

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028664.D
 Acq On : 12 Dec 2018 20:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 13 02:40:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	142728	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	64837	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	4.88	113	47096	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	7.57	98	182915	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	68580	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	51709	47.088	ug/l	100
3) Chloromethane	1.33	50	92122	45.630	ug/l	100
4) Vinyl Chloride	1.40	62	69206	47.500	ug/l	99
5) Bromomethane	1.60	94	28757	48.998	ug/l	98
6) Chloroethane	1.68	64	39393	47.759	ug/l	97
7) Trichlorofluoromethane	1.88	101	73284	47.808	ug/l	99
8) Diethyl Ether	2.10	74	33014	46.033	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43602	47.560	ug/l	100
10) Methyl Iodide	2.41	142	45811	63.684	ug/l	98
11) Tert butyl alcohol	2.83	59	72200	259.194	ug/l	100
12) 1,1-Dichloroethene	2.28	96	42682	46.792	ug/l	99
13) Acrolein	2.19	56	55305	249.052	ug/l	99
14) Allyl chloride	2.59	41	102096	47.313	ug/l	99
15) Acrylonitrile	2.94	53	206255	266.700	ug/l	100
16) Acetone	2.32	43	168797	206.894	ug/l	99
17) Carbon Disulfide	2.48	76	147759	44.965	ug/l	100
18) Methyl Acetate	2.61	43	122054	57.711	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	174260	50.394	ug/l	99
20) Methylene Chloride	2.70	84	57477	47.790	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	48758	47.475	ug/l	98
22) Diisopropyl ether	3.57	45	219429	52.290	ug/l	98
23) Vinyl Acetate	3.52	43	904129	261.206	ug/l	99
24) 1,1-Dichloroethane	3.44	63	108834	49.546	ug/l	98
25) 2-Butanone	4.26	43	283791	254.531	ug/l	98
26) 2,2-Dichloropropane	4.22	77	80592	46.303	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	57619	49.567	ug/l	99
28) Bromochloromethane	4.55	49	55297	55.375	ug/l	96
29) Tetrahydrofuran	4.64	42	194721	271.931	ug/l	98
30) Chloroform	4.67	83	98806	51.609	ug/l	98
31) Cyclohexane	4.99	56	104095	48.526	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	79390	49.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	74575	47.748	ug/l	99
37) Ethyl Acetate	4.38	43	108015	53.499	ug/l	99
38) Carbon Tetrachloride	5.13	117	62810	49.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	88443	46.416	ug/l	98
40) Benzene	5.39	78	230477	50.104	ug/l	100
41) Methacrylonitrile	4.54	41	61913	55.994	ug/l	96
42) 1,2-Dichloroethane	5.40	62	80779	50.168	ug/l	98
43) Isopropyl Acetate	5.55	43	172805	54.112	ug/l	99
44) Trichloroethene	6.18	130	50712	49.581	ug/l	95
45) 1,2-Dichloropropane	6.43	63	68615	53.044	ug/l	99
46) Dibromomethane	6.56	93	38971	50.776	ug/l	98
47) Bromodichloromethane	6.76	83	75278	50.403	ug/l	99
48) Methyl methacrylate	6.62	41	86469	54.447	ug/l	99
49) 1,4-Dioxane	6.61	88	25012	997.450	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	551439	273.781	ug/l	99
52) Toluene	7.64	92	135598	50.088	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	89564	50.352	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	95632	49.555	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	55589	51.946	ug/l	97
56) Ethyl methacrylate	8.02	69	98357	53.672	ug/l	99
57) 1,3-Dichloropropane	8.24	76	102160	51.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	254097	270.708	ug/l	100
59) 2-Hexanone	8.36	43	422938	264.926	ug/l	99
60) Dibromochloromethane	8.48	129	52735	50.333	ug/l	99
61) 1,2-Dibromoethane	8.58	107	57841	51.542	ug/l	97
64) Tetrachloroethene	8.23	164	42120	47.371	ug/l	97
65) Chlorobenzene	9.12	112	140878	49.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48220	53.160	ug/l	99
67) Ethyl Benzene	9.25	91	260122	49.815	ug/l	99
68) m/p-Xylenes	9.37	106	188808	99.369	ug/l	97
69) o-Xylene	9.78	106	94624	51.246	ug/l	99
70) Styrene	9.79	104	155981	51.045	ug/l	99
71) Bromoform	9.96	173	41097	53.260	ug/l #	100
73) Isopropylbenzene	10.16	105	249030	49.849	ug/l	100
74) N-amyl acetate	10.01	43	152156	52.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	103215	53.784	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	123865	74.508	ug/l	82
77) Bromobenzene	10.45	156	58322	49.918	ug/l	98
78) n-propylbenzene	10.58	91	307020	49.459	ug/l	99
79) 2-Chlorotoluene	10.66	91	181050	50.633	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	209898	50.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	123865	181.795	ug/l #	100
82) 4-Chlorotoluene	10.77	91	207457	48.960	ug/l	99
83) tert-Butylbenzene	11.10	119	200348	50.265	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215472	50.560	ug/l	99
85) sec-Butylbenzene	11.32	105	256222	50.039	ug/l	100
86) p-Isopropyltoluene	11.48	119	215353	49.510	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	108224	49.055	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	107353	47.032	ug/l	98
89) n-Butylbenzene	11.89	91	209724	47.642	ug/l	99
90) Hexachloroethane	12.14	117	34837	52.989	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	109206	49.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22798	54.873	ug/l	99

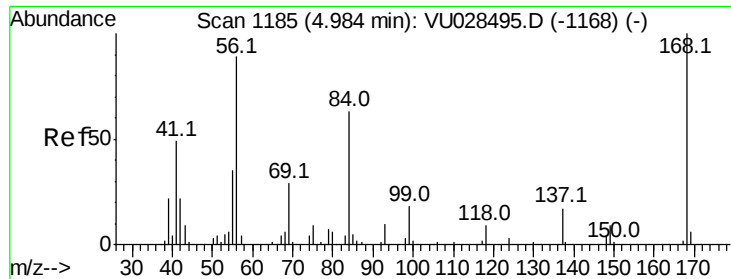
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71000	46.874	ug/l	100
94) Hexachlorobutadiene	13.69	225	33229	45.968	ug/l	97
95) Naphthalene	13.74	128	253757	47.920	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74032	49.056	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

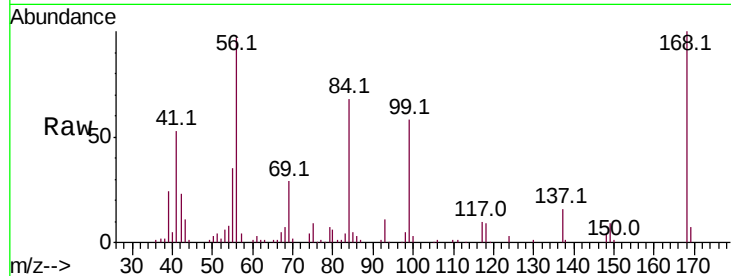
VSTDCCC050EC

Tot Ion:168 Resp: 81928

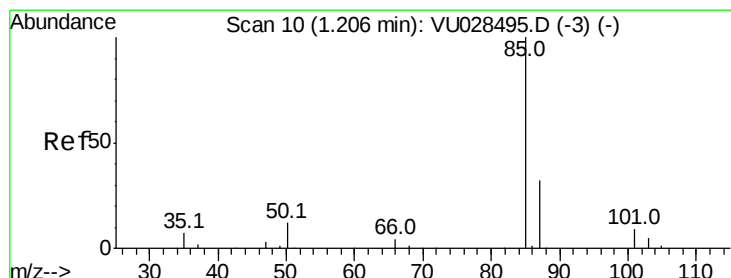
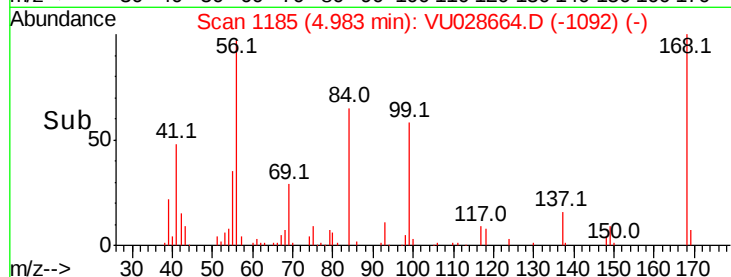
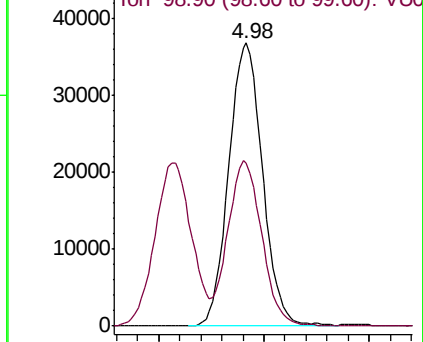
Ion Ratio Lower Upper

168 100

99 57.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 47.088 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028664.D

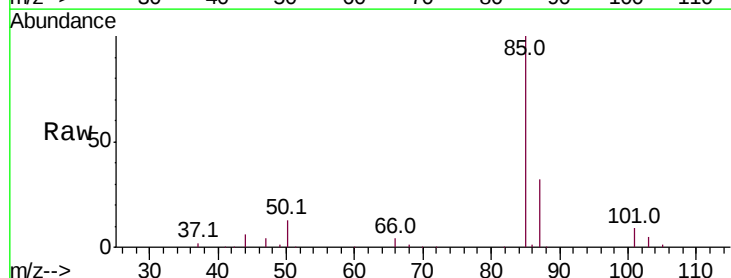
Acq: 12 Dec 2018 20:00

Tgt Ion: 85 Resp: 51709

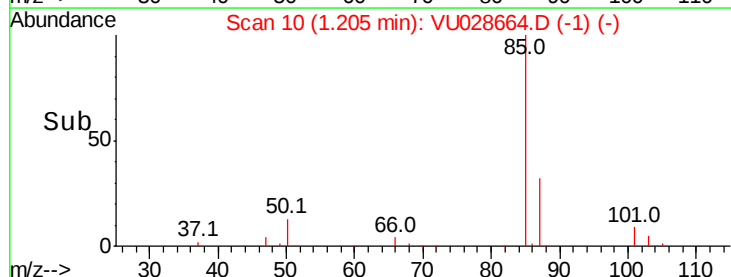
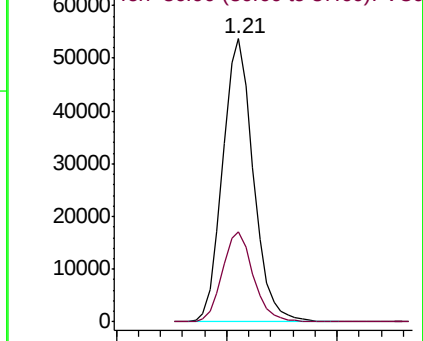
Ion Ratio Lower Upper

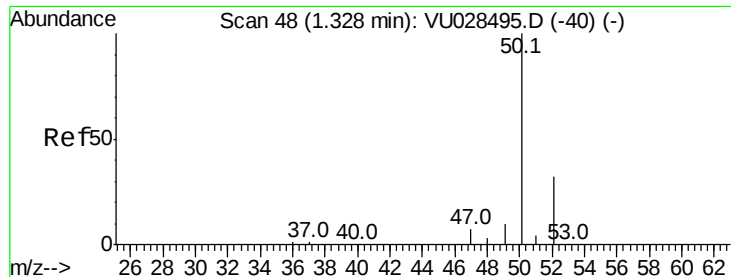
85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 45.630 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

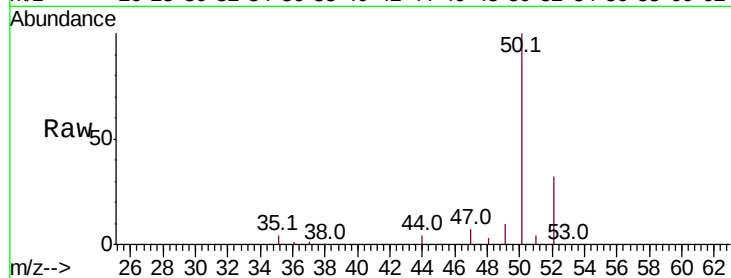
VSTDCCC050EC

Tot Ion: 50 Resp: 92122

Ion Ratio Lower Upper

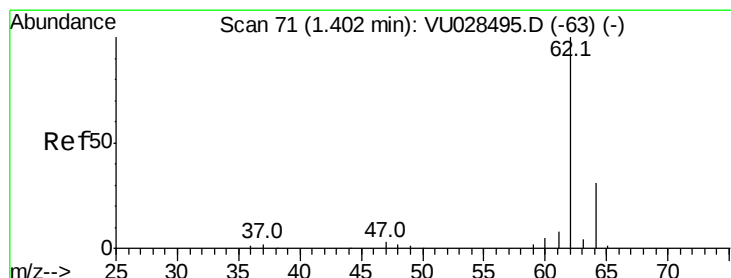
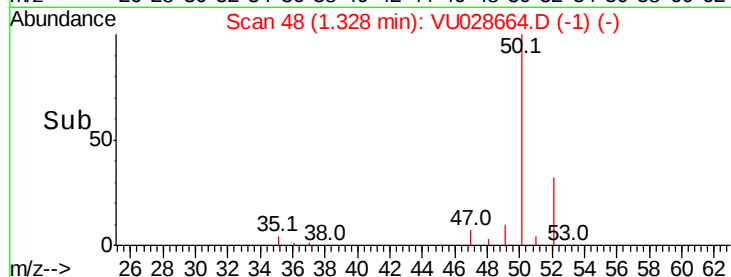
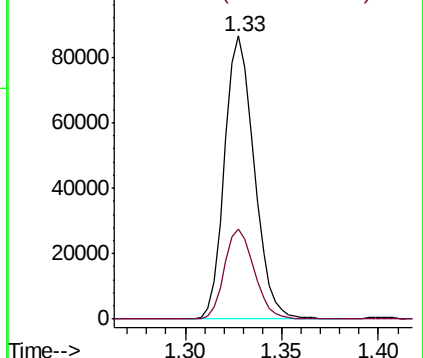
50 100

52 32.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.500 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028664.D

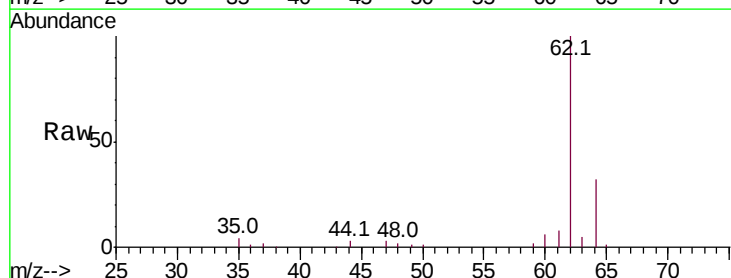
Acq: 12 Dec 2018 20:00

Tgt Ion: 62 Resp: 69206

Ion Ratio Lower Upper

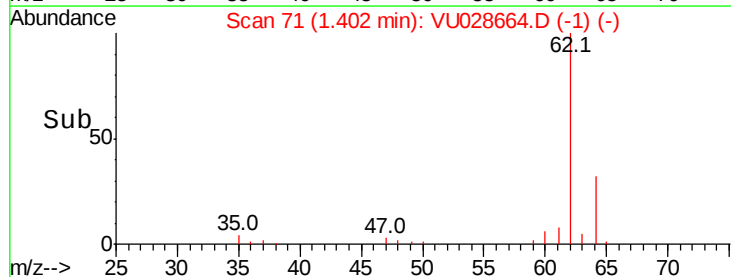
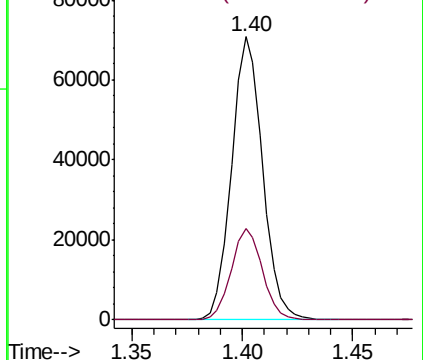
62 100

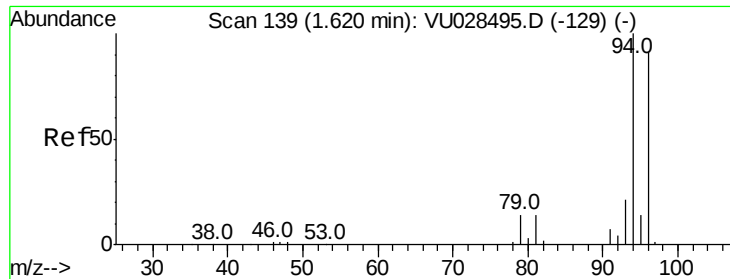
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 48.998 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

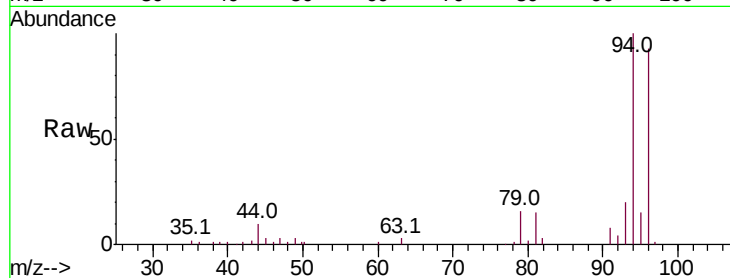
VSTDCCC050EC

Tot Ion: 94 Resp: 28757

Ion Ratio Lower Upper

94 100

96 93.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU028495.D (-129) (-)

Ion 95.90 (95.60 to 96.60): VU028664.D (-46) (-)

1.60

25000

20000

15000

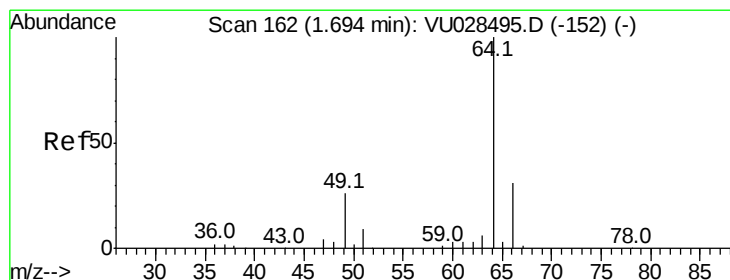
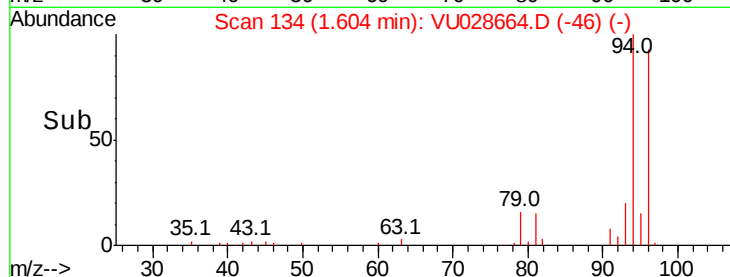
10000

5000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 47.759 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028664.D

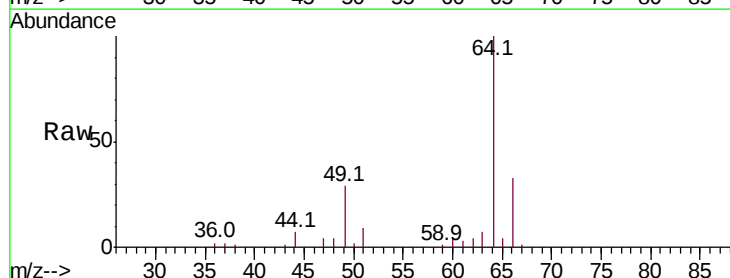
Acq: 12 Dec 2018 20:00

Tgt Ion: 64 Resp: 39393

Ion Ratio Lower Upper

64 100

66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU028664.D (-69) (-)

1.68

30000

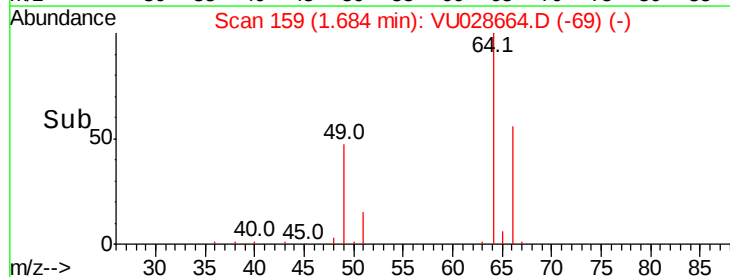
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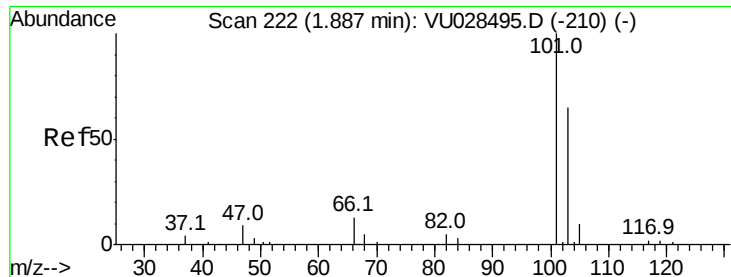
10000

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Time-->

1.65 1.70 1.75



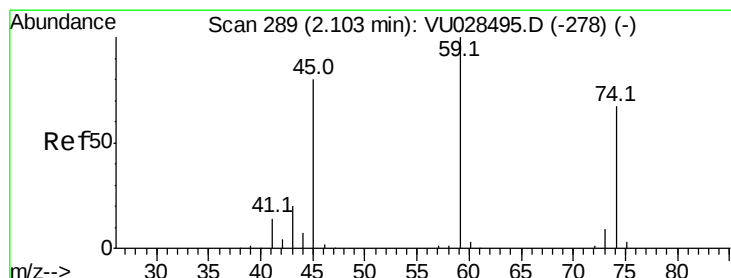
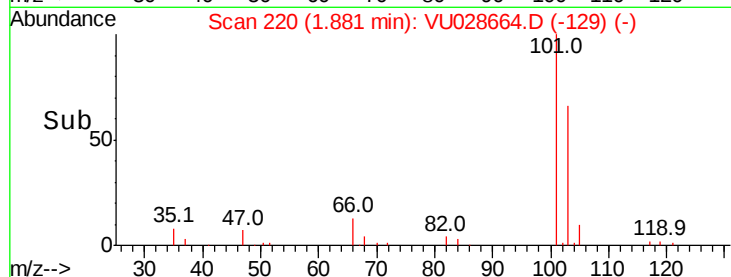
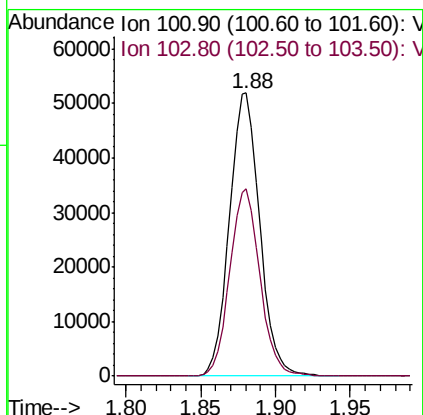
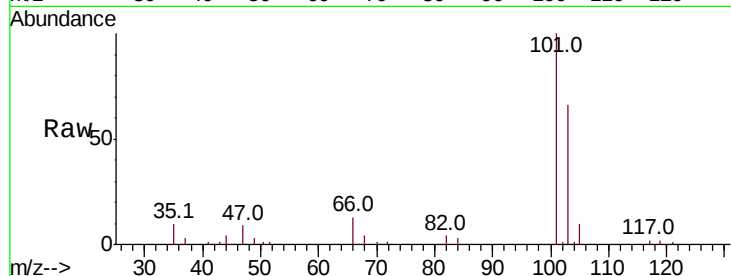


#7

Trichlorofluoromethane
Concen: 47.808 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

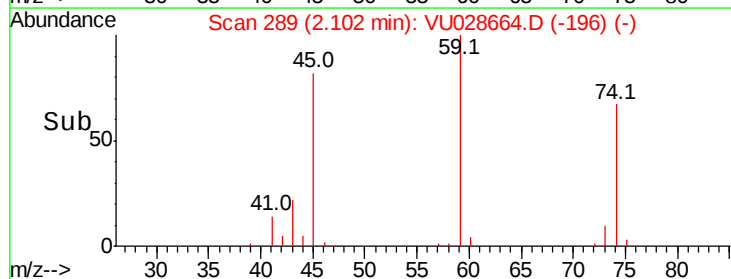
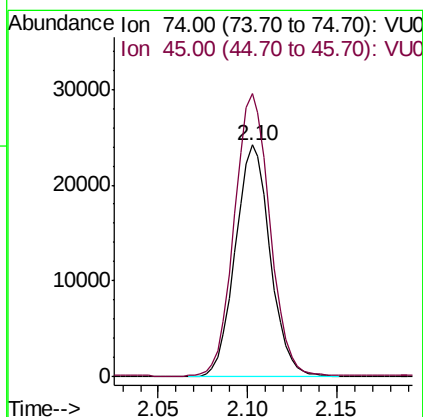
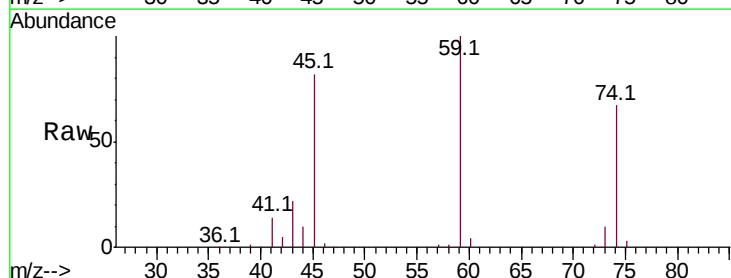
Tot Ion:101 Resp: 73284
Ion Ratio Lower Upper
101 100
103 66.0 52.3 78.5

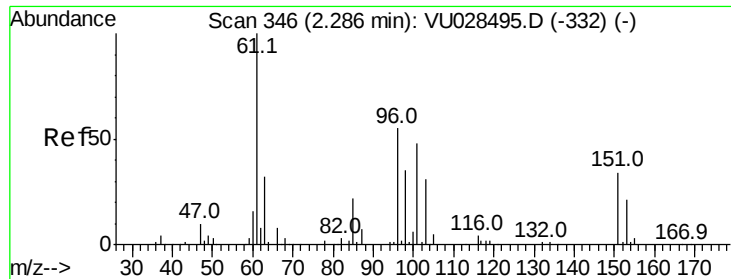


#8

Diethyl Ether
Concen: 46.033 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 74 Resp: 33014
Ion Ratio Lower Upper
74 100
45 125.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.560 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

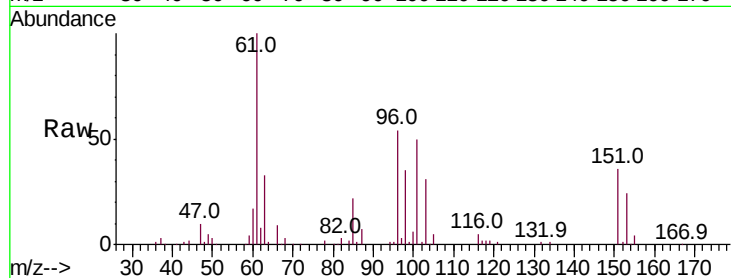
Tot Ion:101 Resp: 43602

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

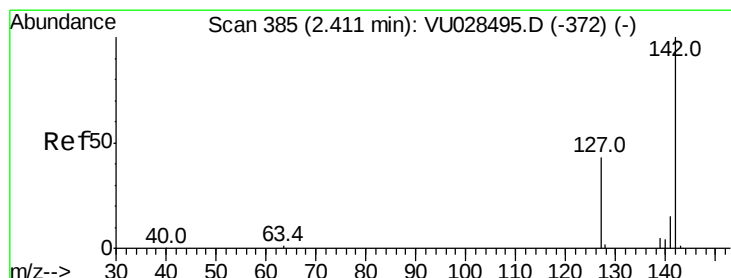
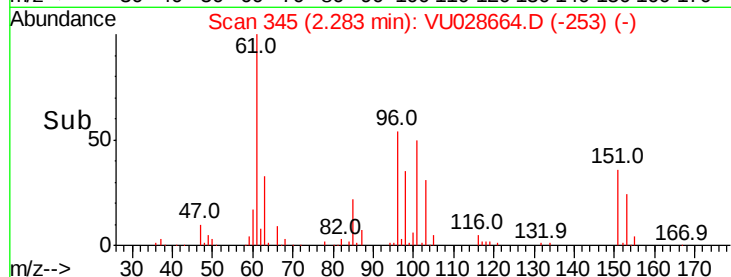
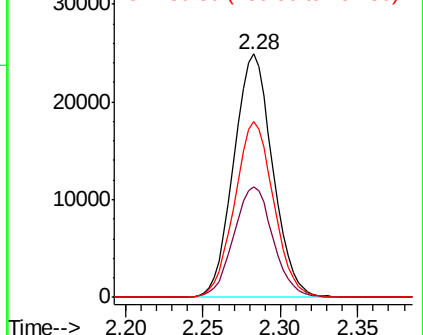
151 72.4 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 63.684 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

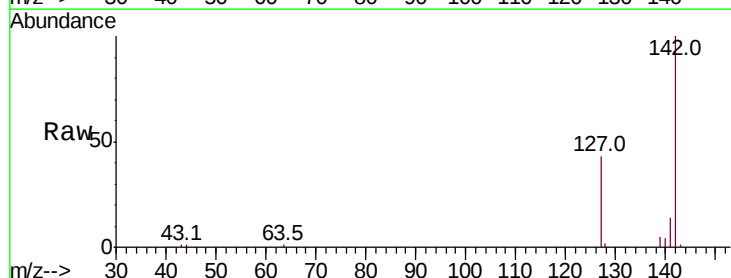
Tgt Ion:142 Resp: 45811

Ion Ratio Lower Upper

142 100

127 43.1 33.5 50.3

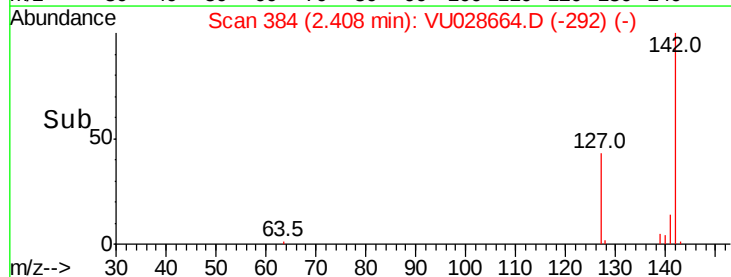
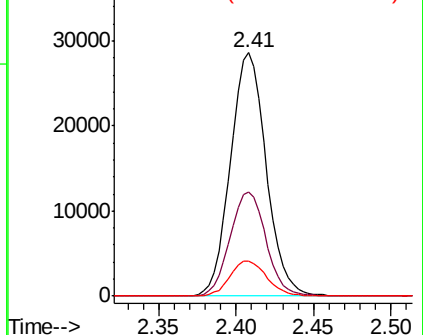
141 14.8 11.2 16.8

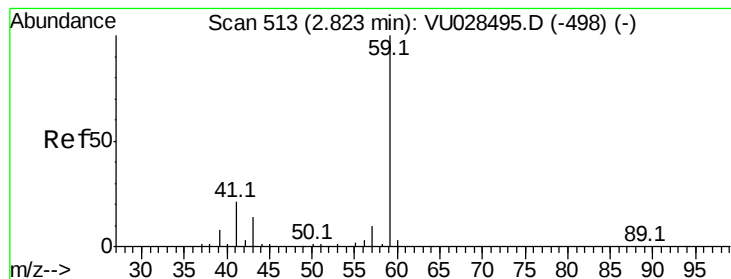


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



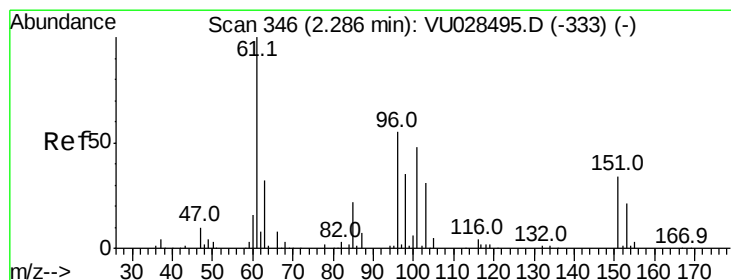
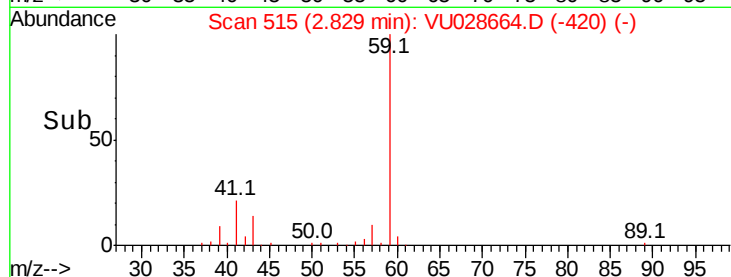
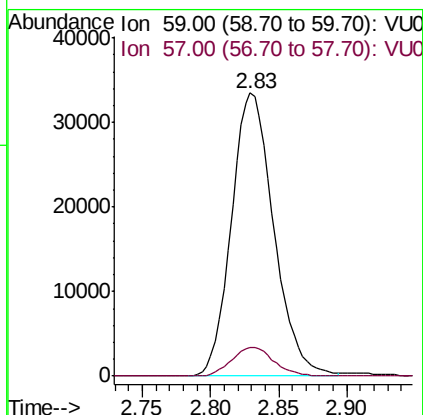
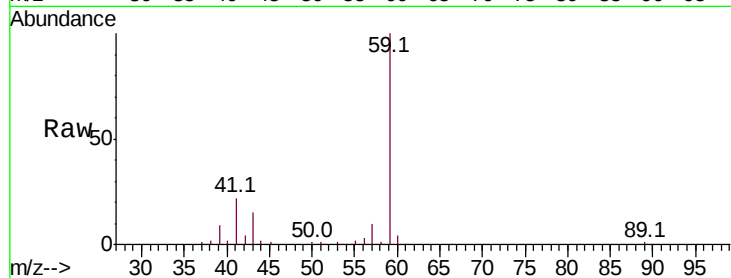


#11

Tert butyl alcohol
Concen: 259.194 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

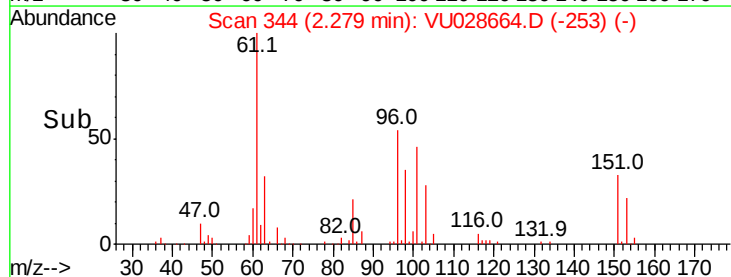
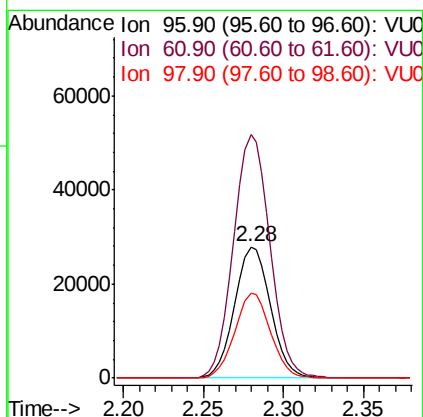
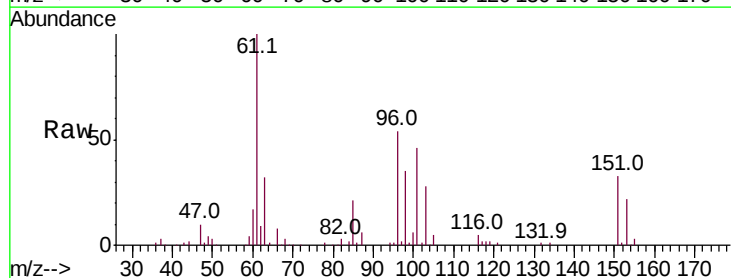
Tot Ion: 59 Resp: 72200
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0

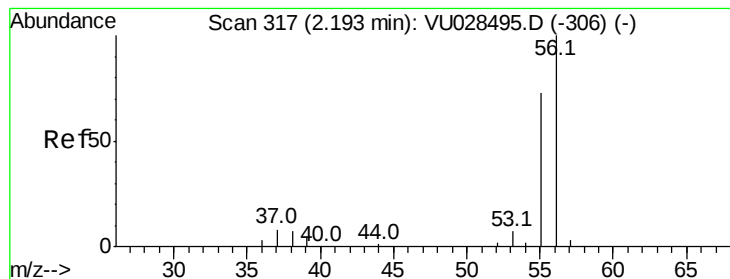


#12

1,1-Dichloroethene
Concen: 46.792 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 96 Resp: 42682
Ion Ratio Lower Upper
96 100
61 185.5 146.4 219.6
98 64.9 51.8 77.8





#13

Acrolein

Concen: 249.052 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

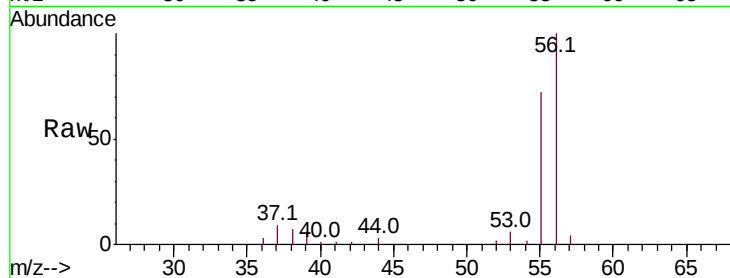
VSTDCCC050EC

Tot Ion: 56 Resp: 55305

Ion Ratio Lower Upper

56 100

55 72.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)

2.19

40000

30000

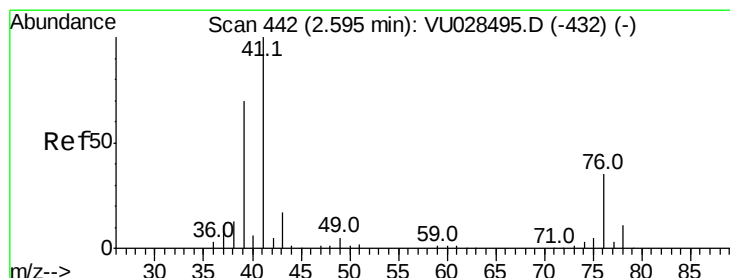
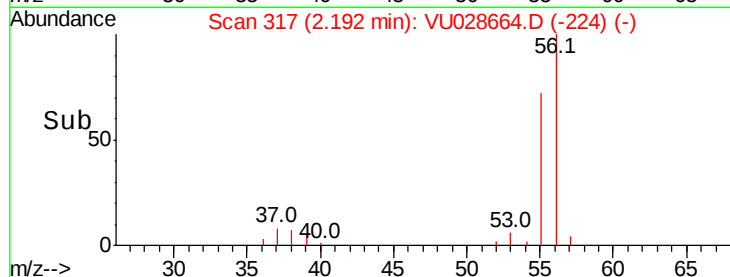
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 47.313 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

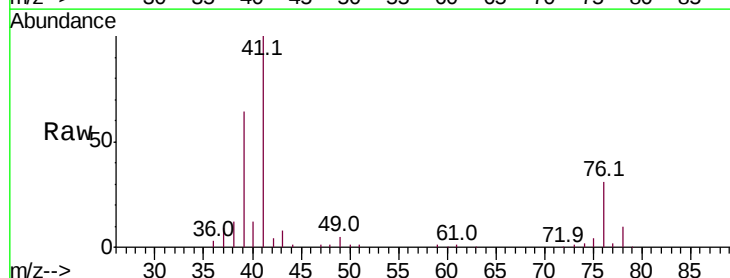
Tgt Ion: 41 Resp: 102096

Ion Ratio Lower Upper

41 100

39 64.7 50.8 76.2

76 30.7 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU028495.D (-432) (-)

2.59

80000

60000

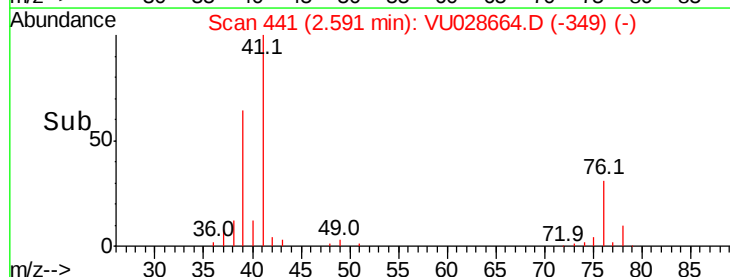
40000

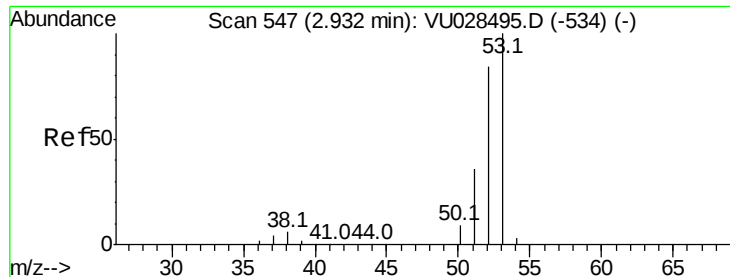
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 266.700 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

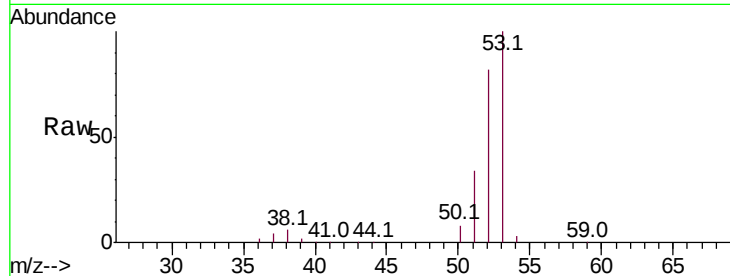
Tot Ion: 53 Resp: 206255

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

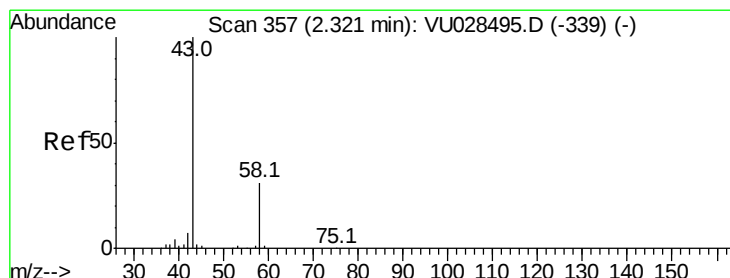
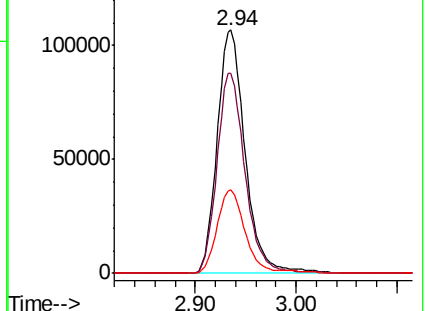
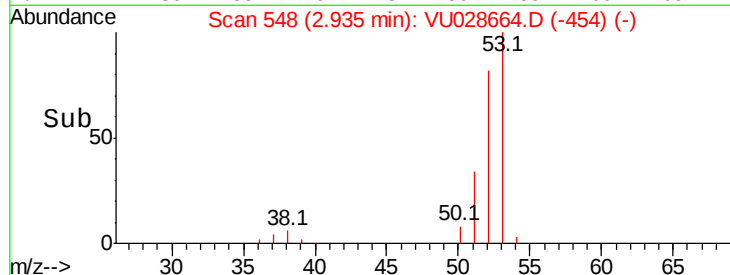
51 35.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 206.894 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028664.D

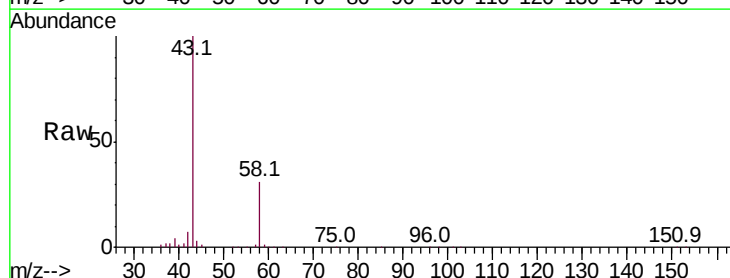
Acq: 12 Dec 2018 20:00

Tgt Ion: 43 Resp: 168797

Ion Ratio Lower Upper

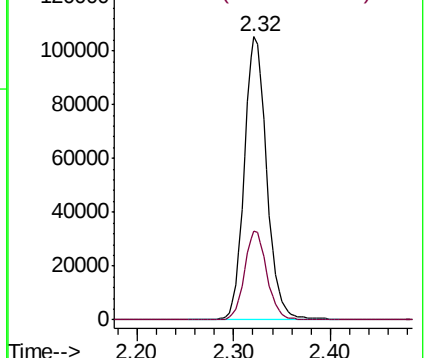
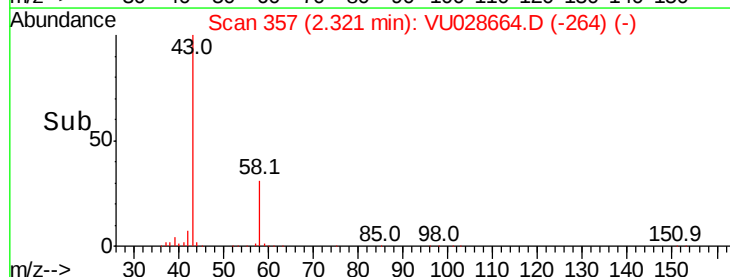
43 100

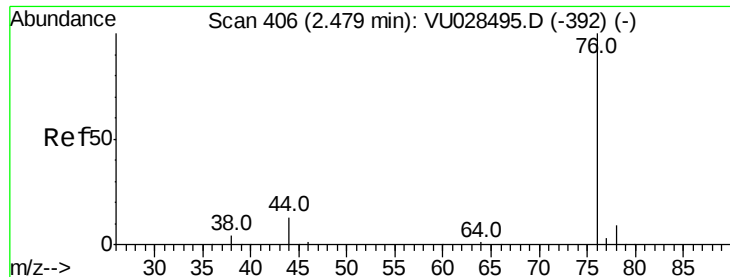
58 31.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 44.965 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

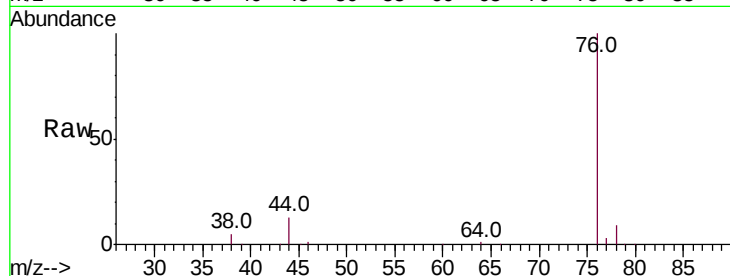
VSTDCCC050EC

Tot Ion: 76 Resp: 147759

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028664.D (-313) (-)

2.48

100000

80000

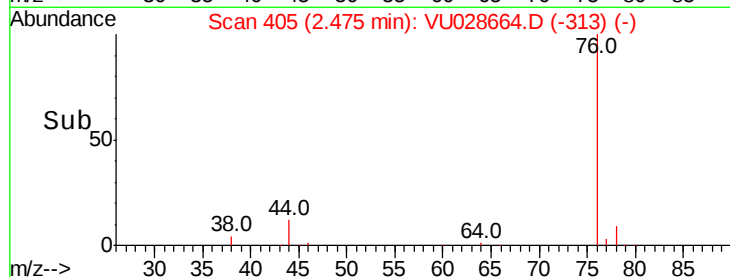
60000

40000

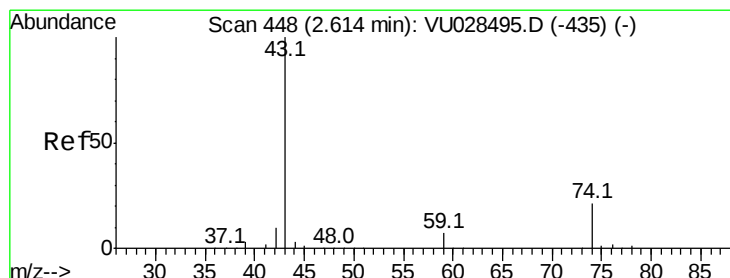
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 57.711 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028664.D

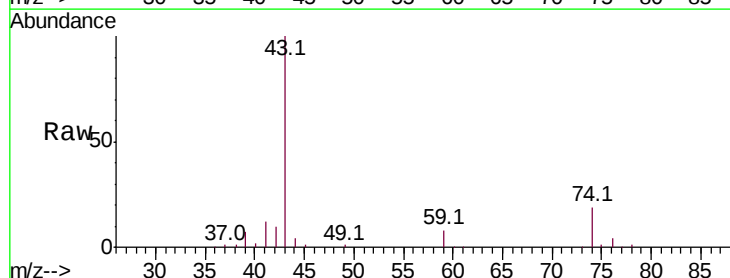
Acq: 12 Dec 2018 20:00

Tgt Ion: 43 Resp: 122054

Ion Ratio Lower Upper

43 100

74 19.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028664.D (-355) (-)

2.61

80000

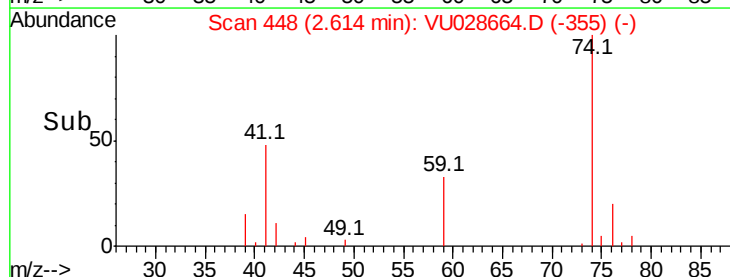
60000

40000

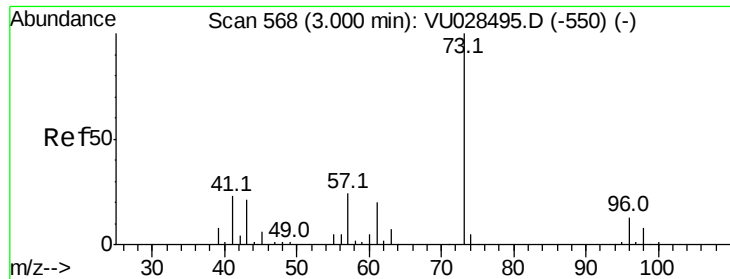
20000

0

Time-->



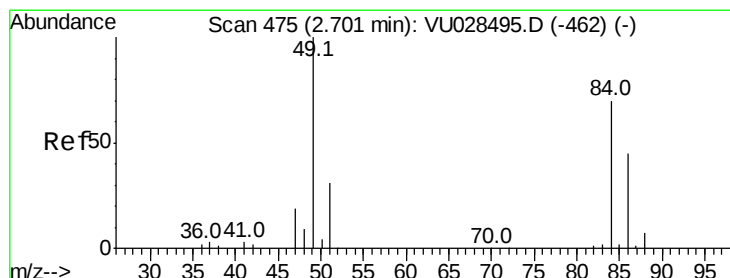
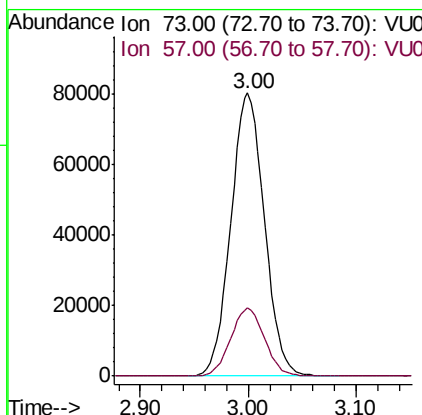
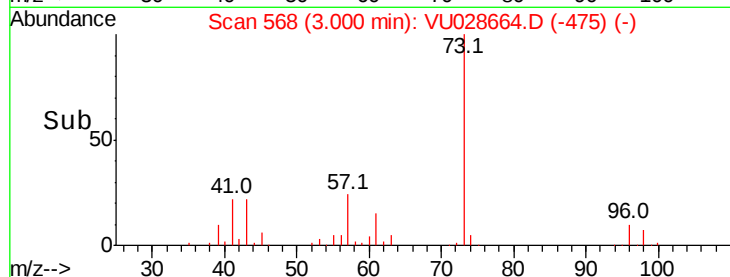
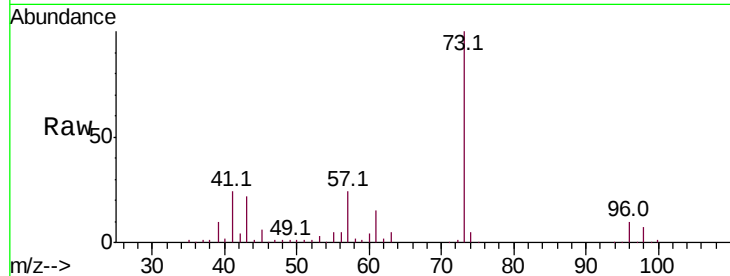
Time-->



#19
Methyl tert-butyl Ether
Concen: 50.394 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

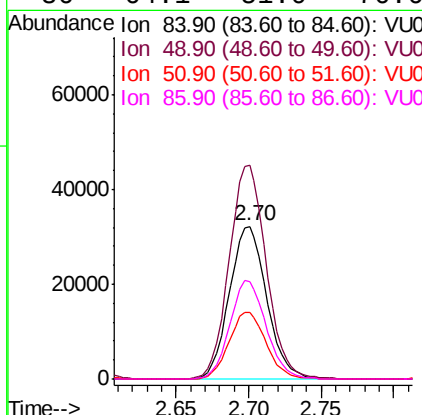
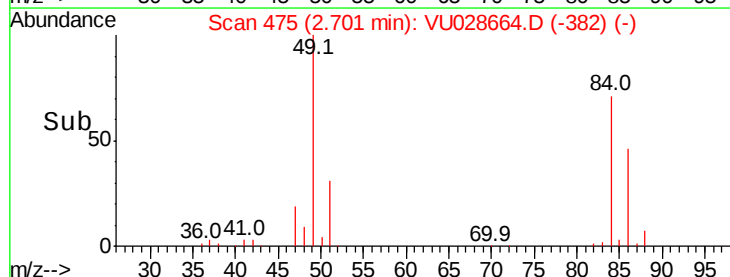
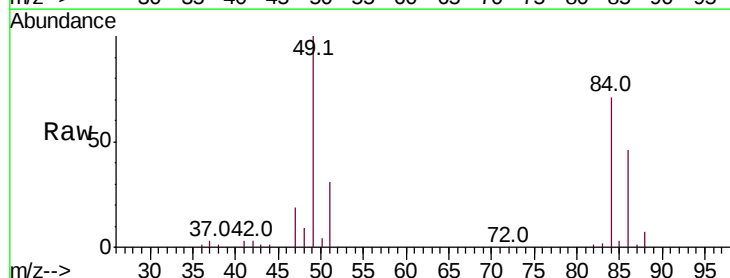
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

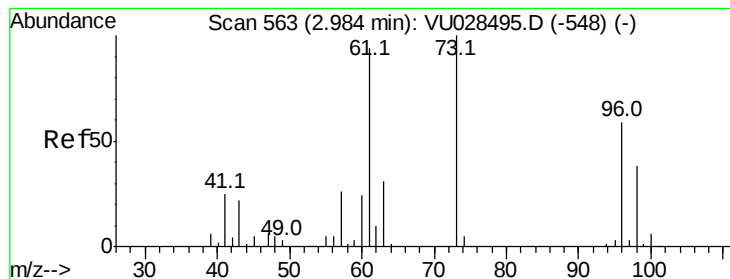
Tot Ion: 73 Resp: 174260
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.2



#20
Methylene Chloride
Concen: 47.790 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 84 Resp: 57477
Ion Ratio Lower Upper
84 100
49 139.9 114.0 171.0
51 43.4 35.1 52.7
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.475 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

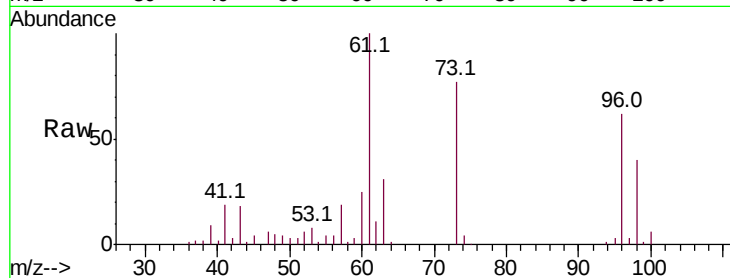
Tot Ion: 96 Resp: 48758

Ion Ratio Lower Upper

96 100

61 161.2 127.0 190.4

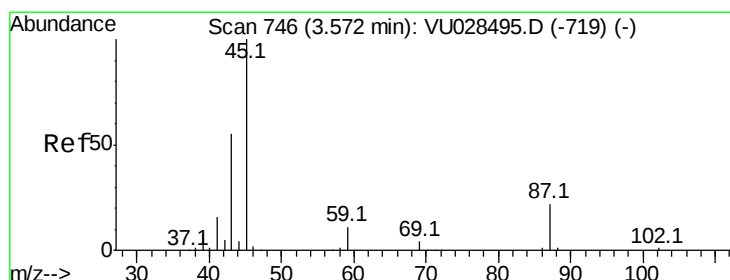
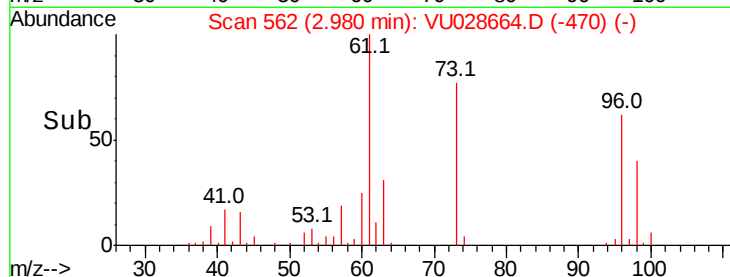
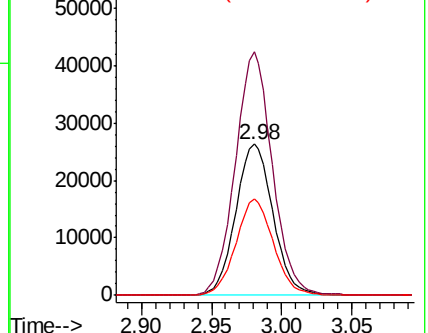
98 63.9 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 52.290 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion: 45 Resp: 219429

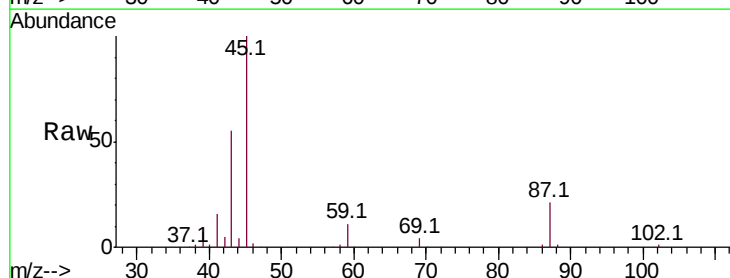
Ion Ratio Lower Upper

45 100

43 54.2 45.3 67.9

87 21.3 17.6 26.4

59 11.0 8.8 13.2

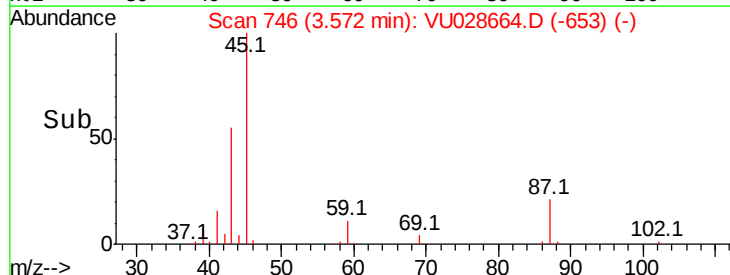
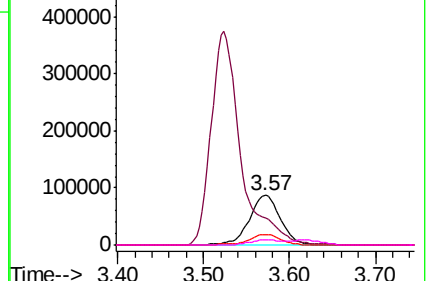


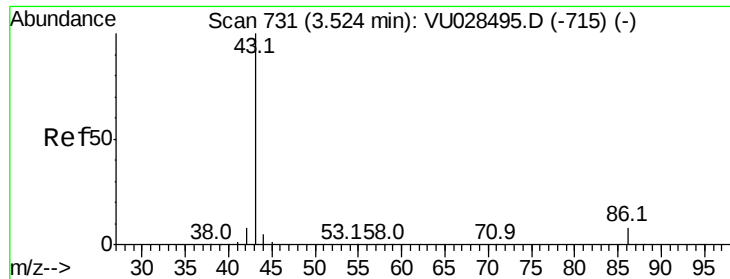
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 261.206 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

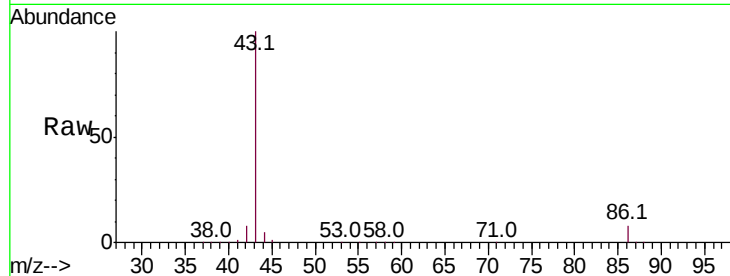
VSTDCCC050EC

Tot Ion: 43 Resp: 904129

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

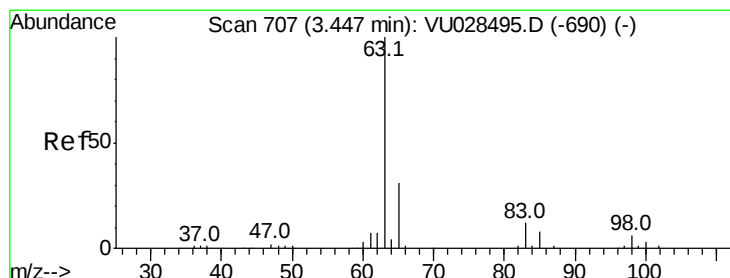
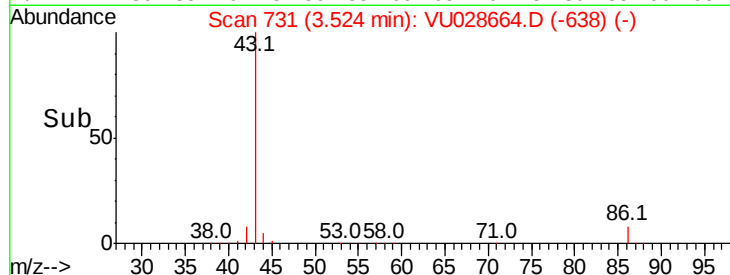
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.546 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

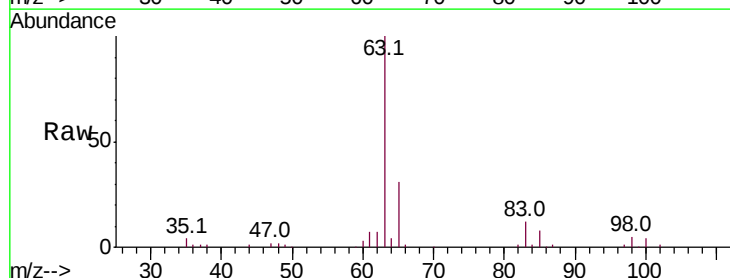
Tgt Ion: 63 Resp: 108834

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

60000

50000

40000

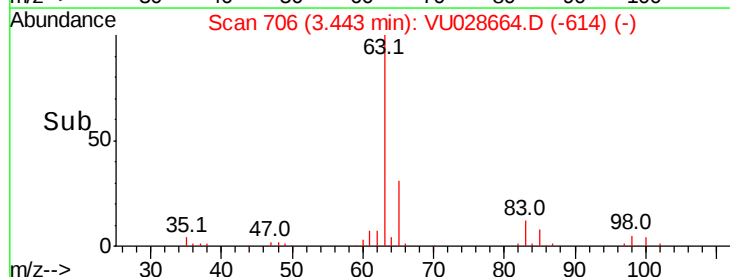
30000

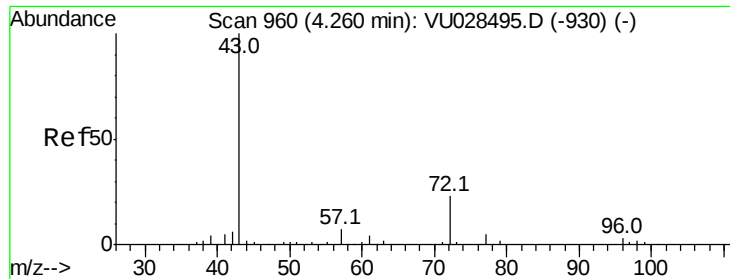
20000

10000

0

Time-->





#25

2-Butanone

Concen: 254.531 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

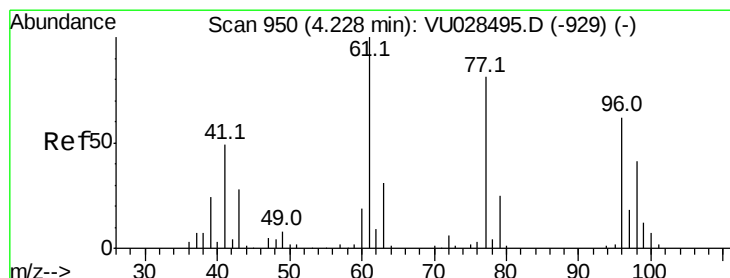
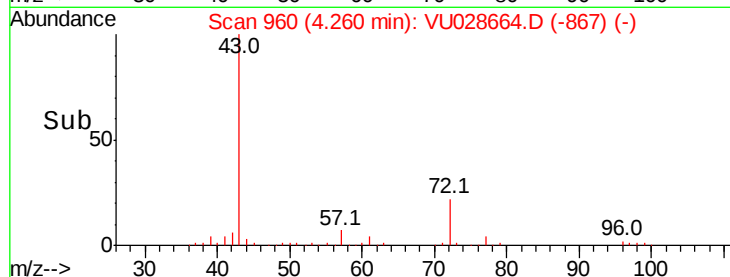
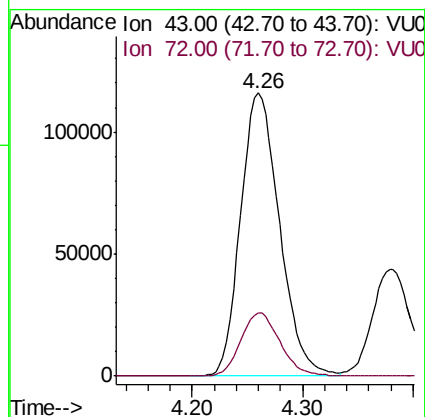
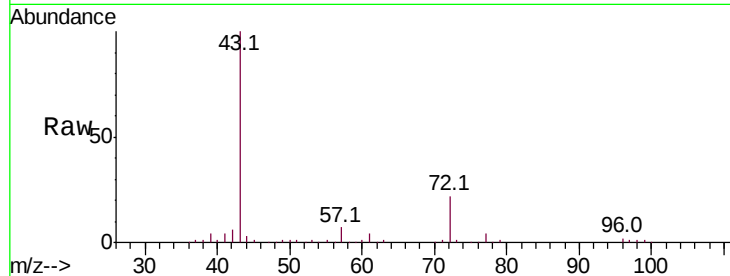
VSTDCCC050EC

Tot Ion: 43 Resp: 283791

Ion Ratio Lower Upper

43 100

72 22.4 18.6 28.0



#26

2,2-Dichloropropane

Concen: 46.303 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028664.D

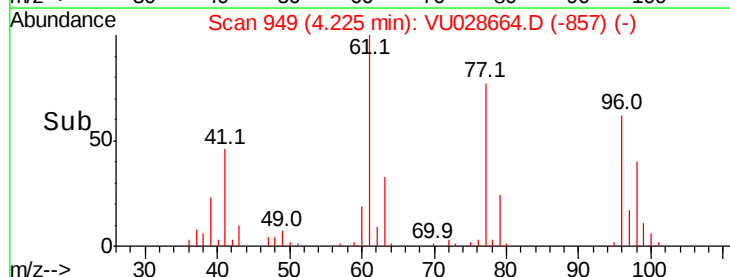
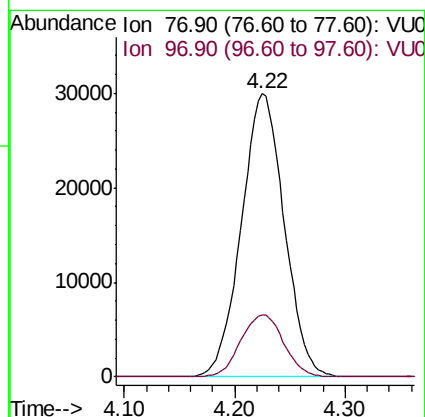
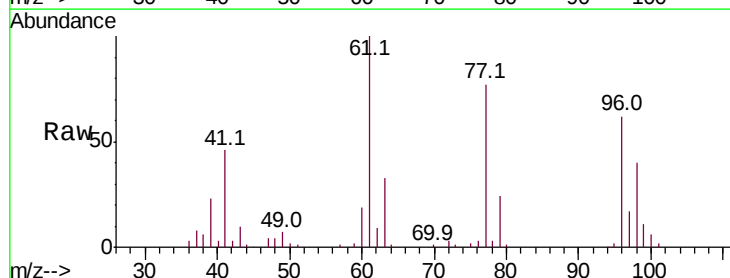
Acq: 12 Dec 2018 20:00

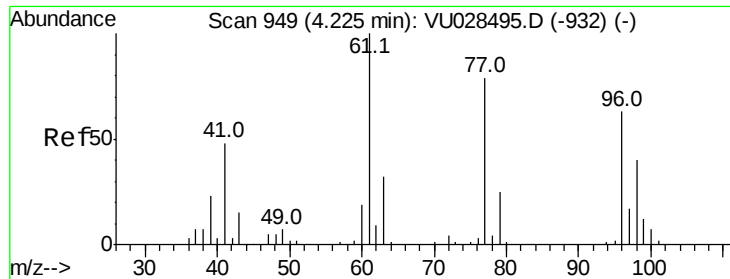
Tgt Ion: 77 Resp: 80592

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0

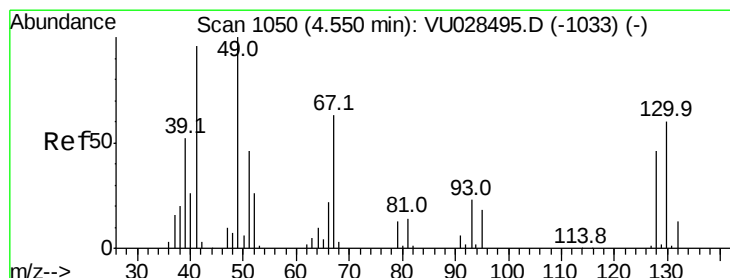
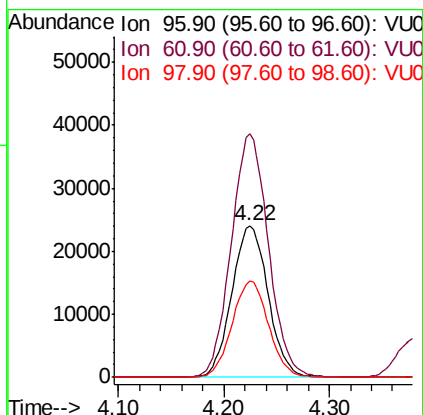
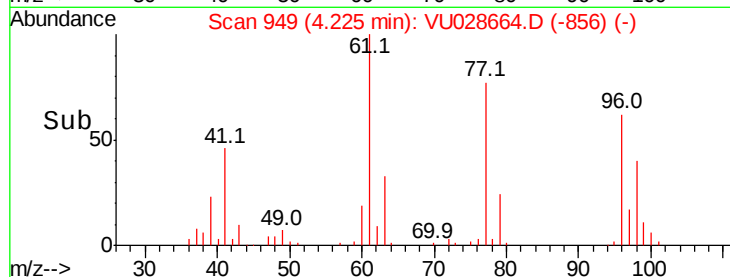
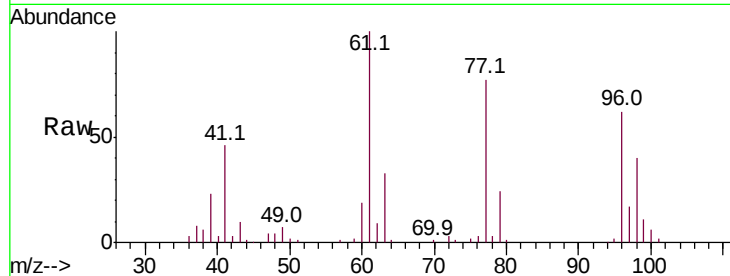




#27
 cis-1,2-Dichloroethene
 Concen: 49.567 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

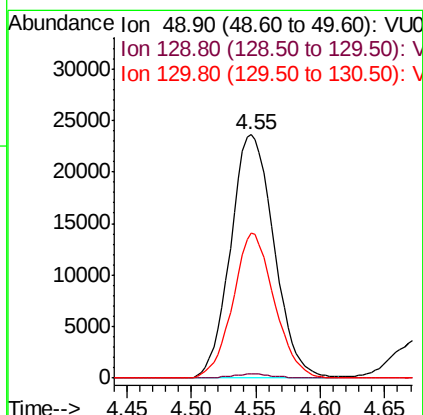
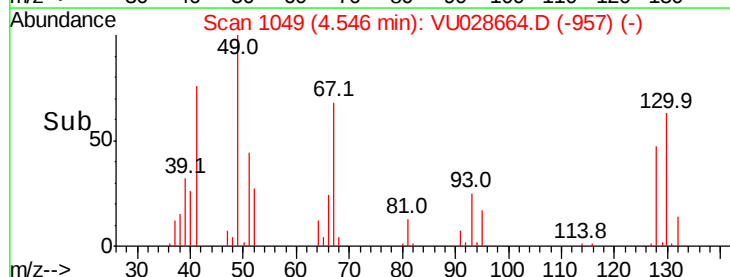
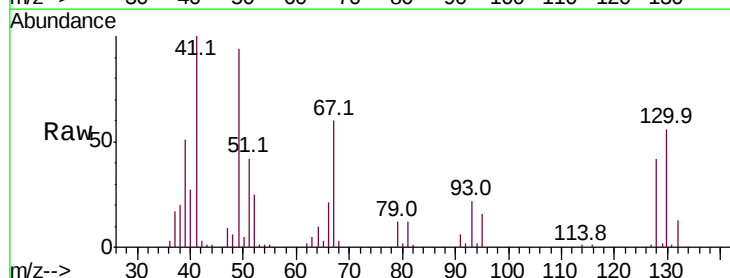
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

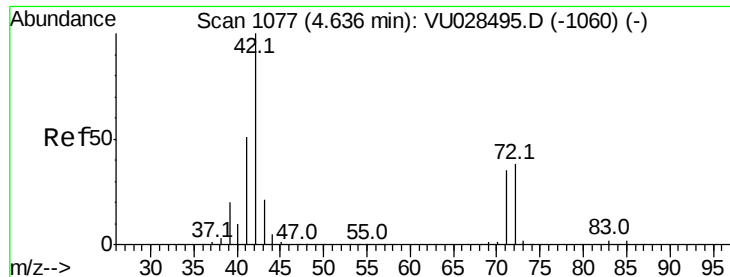
Tot Ion: 96 Resp: 57619
 Ion Ratio Lower Upper
 96 100
 61 164.0 0.0 332.4
 98 63.6 0.0 129.0



#28
 Bromochloromethane
 Concen: 55.375 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 49 Resp: 55297
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.0
 130 56.7 47.8 71.8





#29

Tetrahydrofuran

Concen: 271.931 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

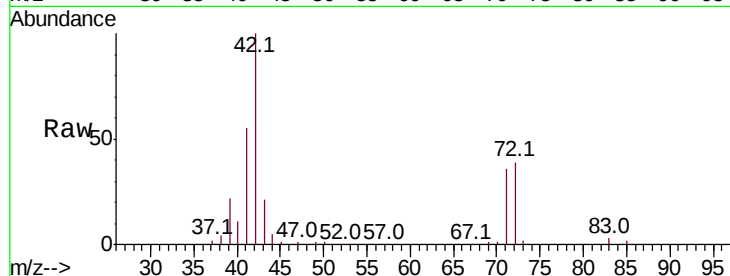
Tot Ion: 42 Resp: 194721

Ion Ratio Lower Upper

42 100

72 37.3 31.4 47.0

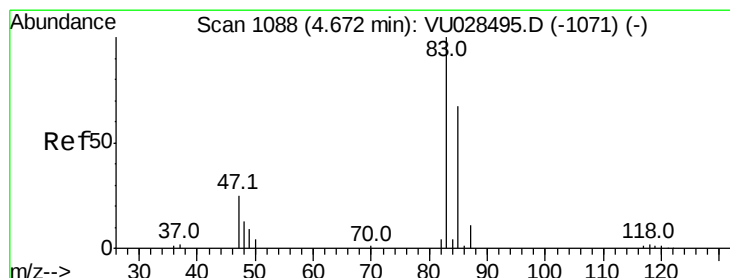
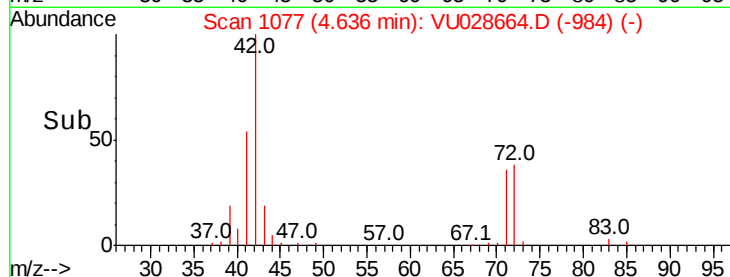
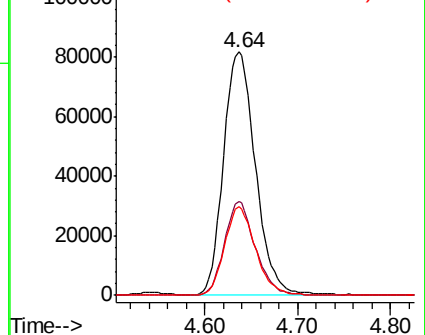
71 35.3 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.609 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028664.D

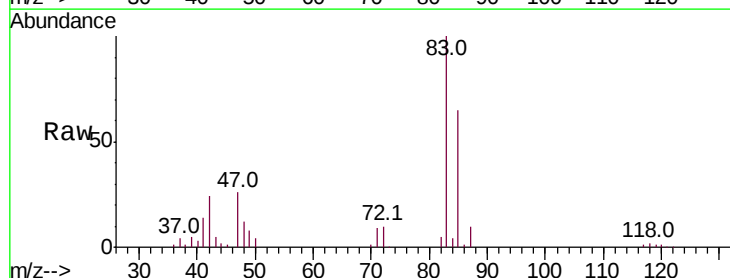
Acq: 12 Dec 2018 20:00

Tgt Ion: 83 Resp: 98806

Ion Ratio Lower Upper

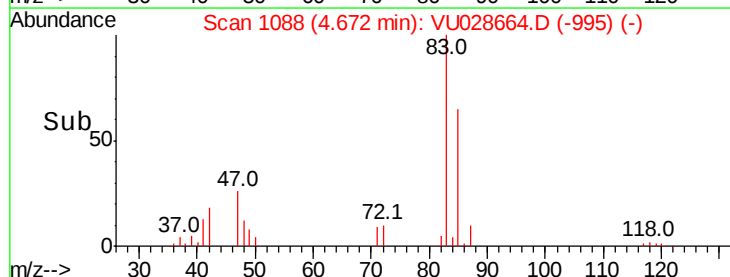
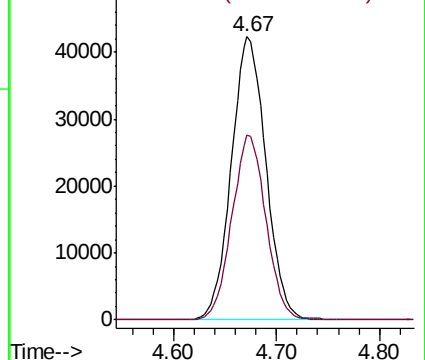
83 100

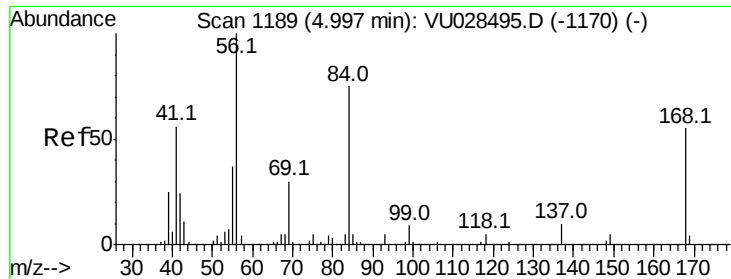
85 65.2 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

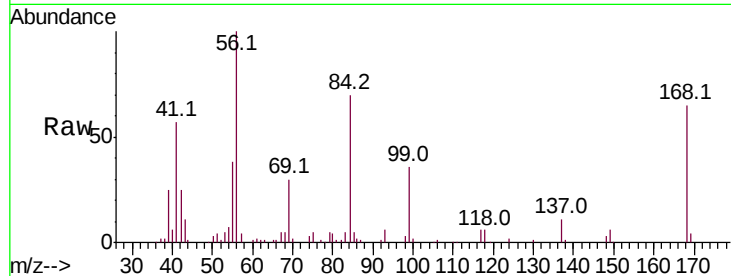




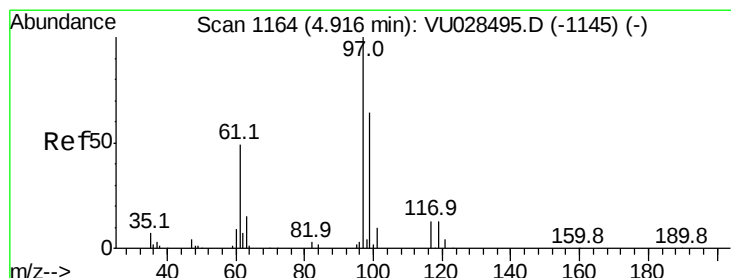
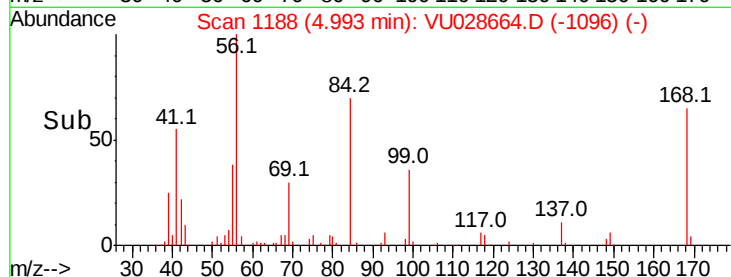
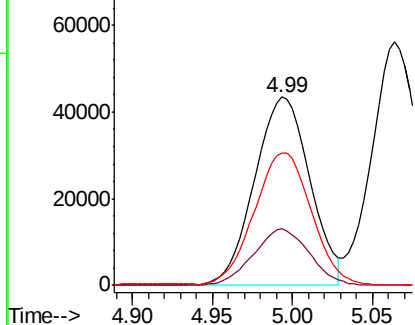
#31
Cyclohexane
Concen: 48.526 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 104095
Ion Ratio Lower Upper
56 100
69 30.3 24.0 36.0
84 69.8 59.7 89.5

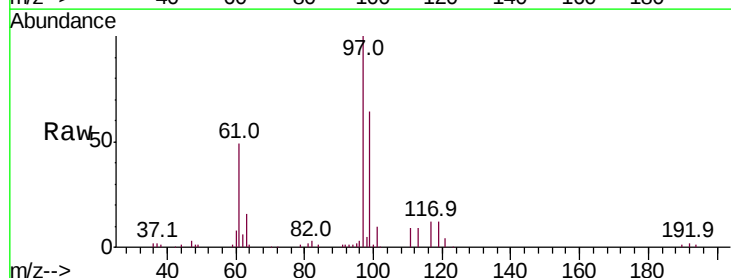


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

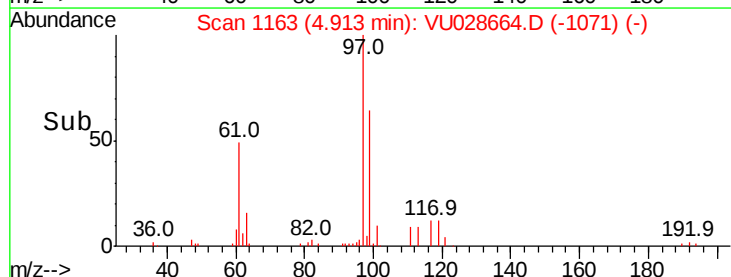
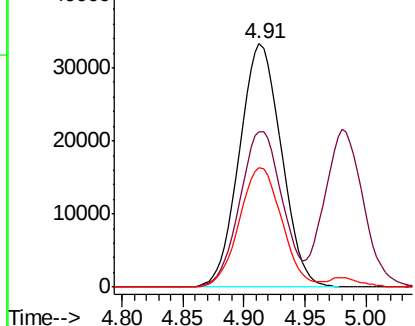


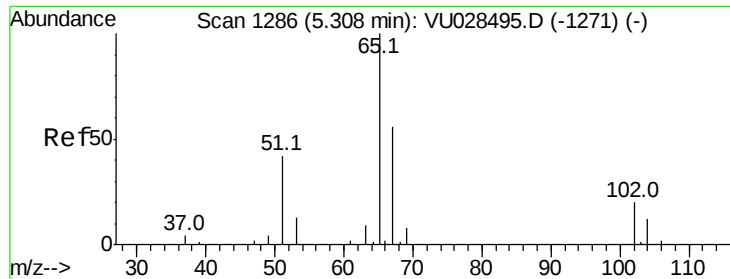
#32
1,1,1-Trichloroethane
Concen: 49.929 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 97 Resp: 79390
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 49.8 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

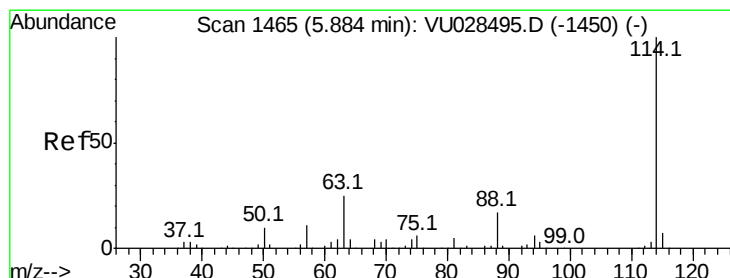
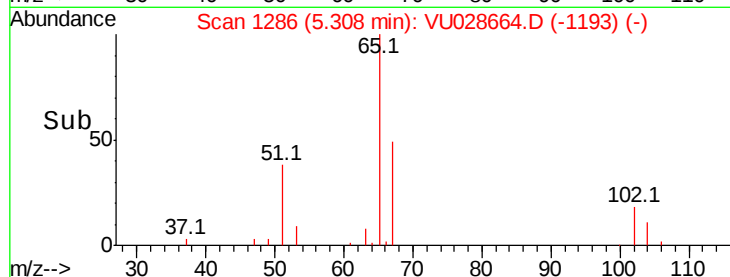
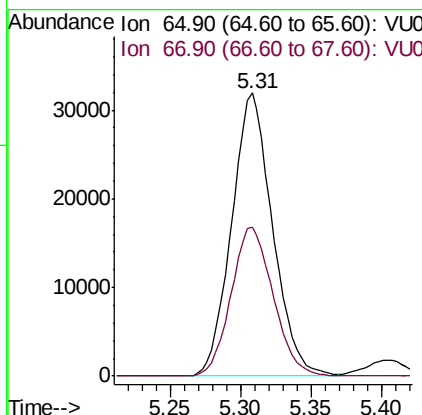
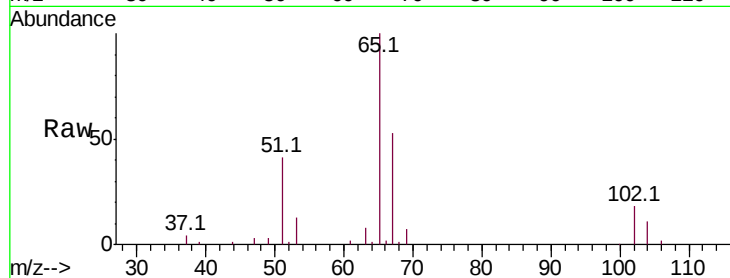




#33
 1,2-Dichloroethane-d4
 Concen: 51.858 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

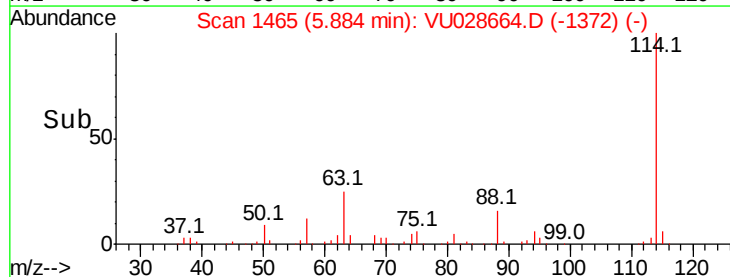
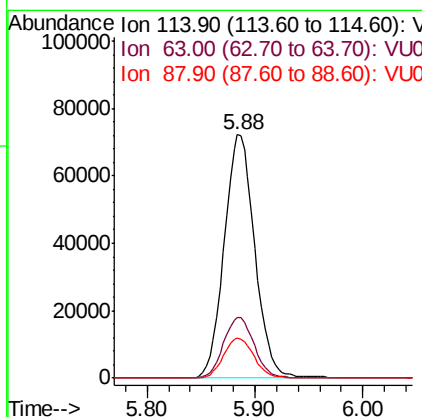
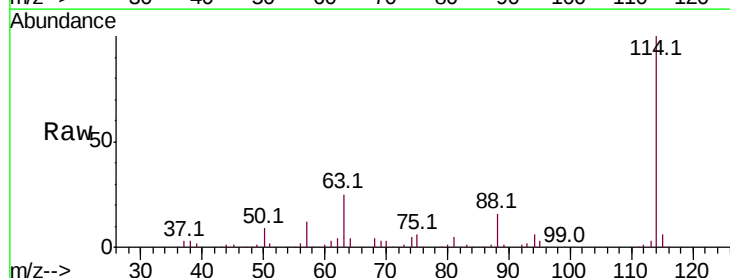
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

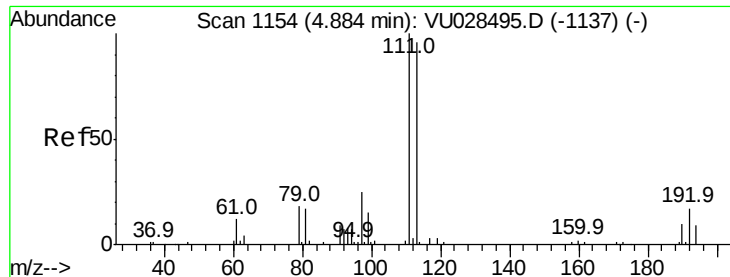
Tot Ion: 65 Resp: 64837
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 114 Resp: 142728
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.434 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

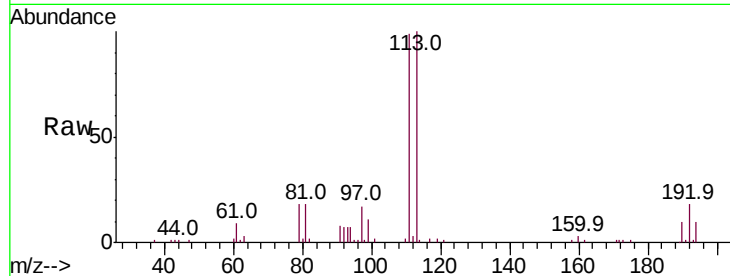
Tot Ion:113 Resp: 47096

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

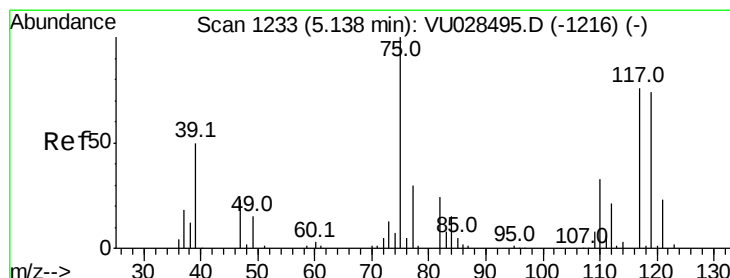
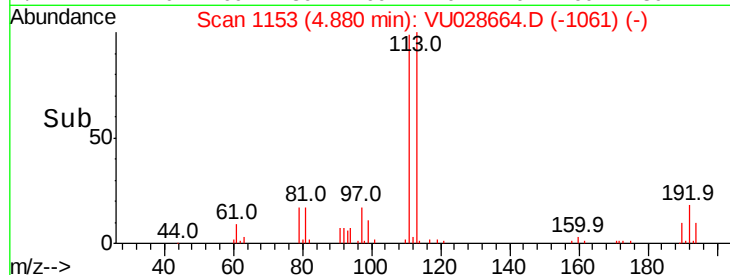
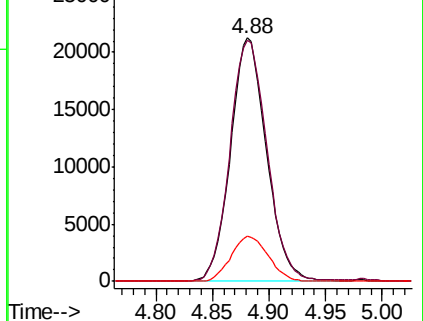
192 19.1 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.748 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

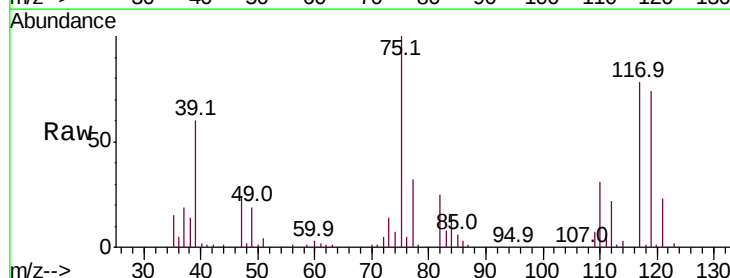
Tgt Ion: 75 Resp: 74575

Ion Ratio Lower Upper

75 100

110 31.9 16.1 48.2

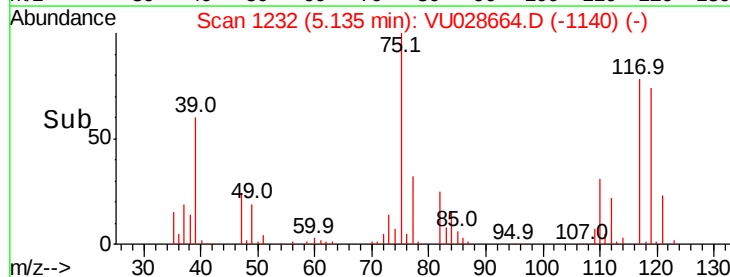
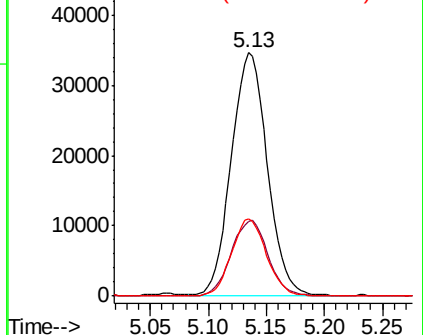
77 31.0 24.5 36.7

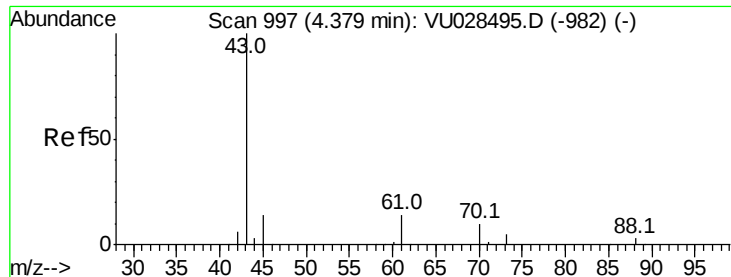


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 53.499 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

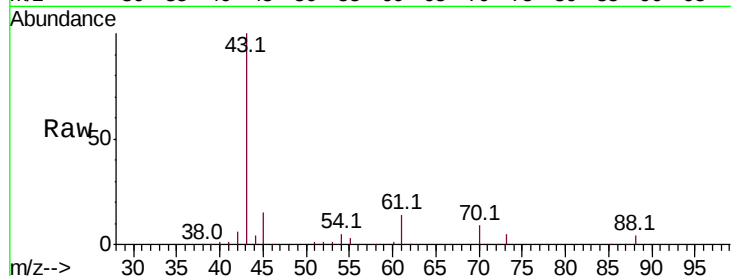
Tot Ion: 43 Resp: 108015

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

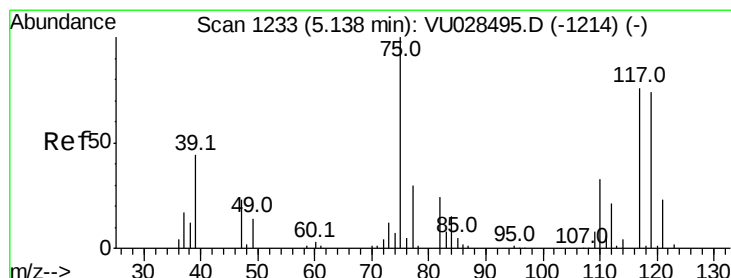
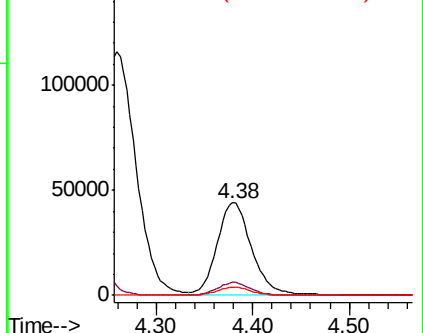
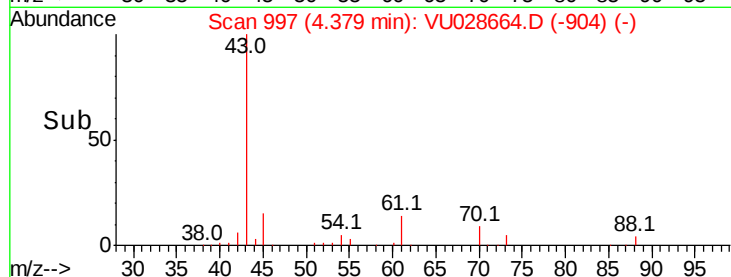
70 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 49.895 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

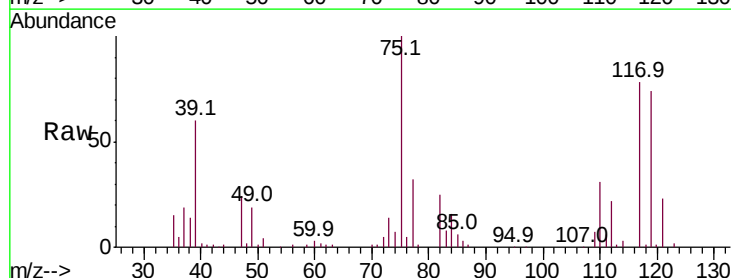
Tgt Ion: 117 Resp: 62810

Ion Ratio Lower Upper

117 100

119 94.9 77.6 116.4

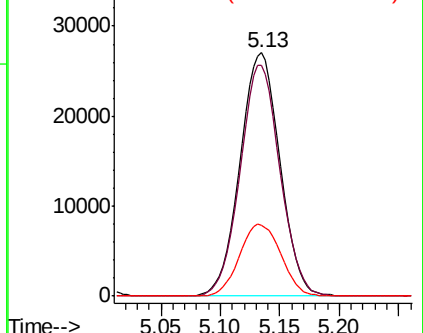
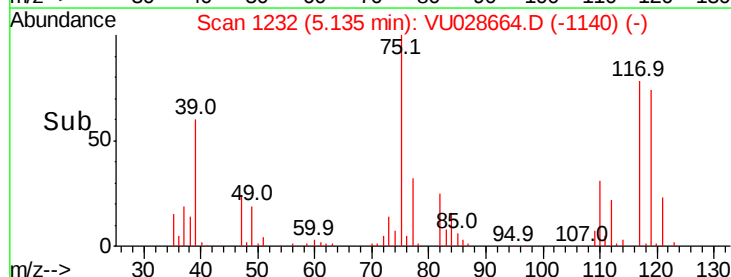
121 29.1 24.6 36.8

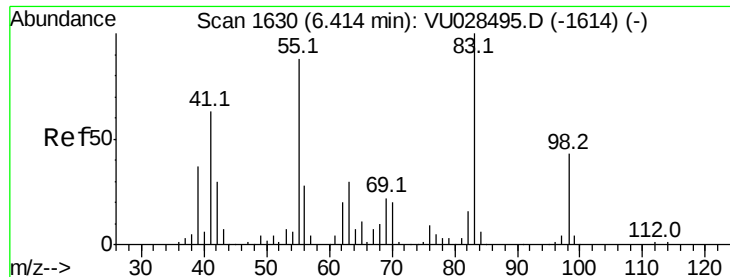


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

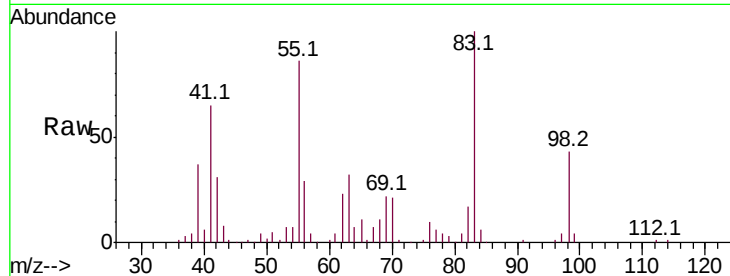




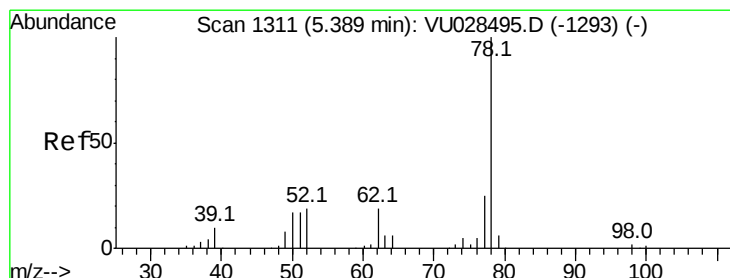
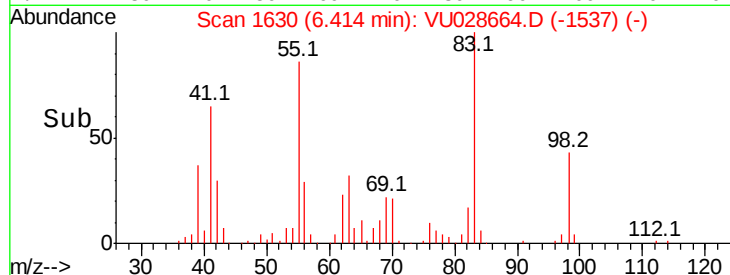
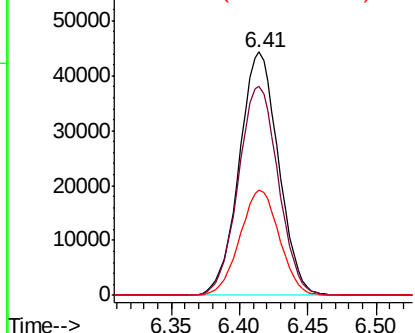
#39
Methvlcvclohexane
Concen: 46.416 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 88443
Ion Ratio Lower Upper
83 100
55 85.9 70.2 105.2
98 43.2 34.2 51.4

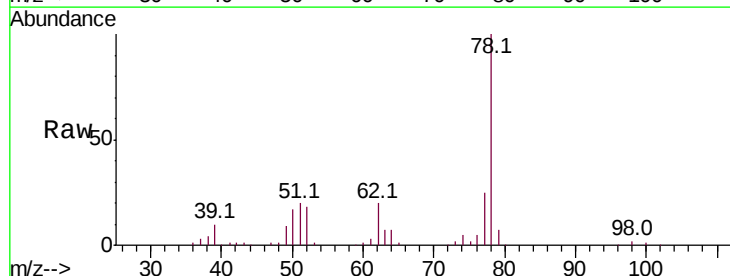


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

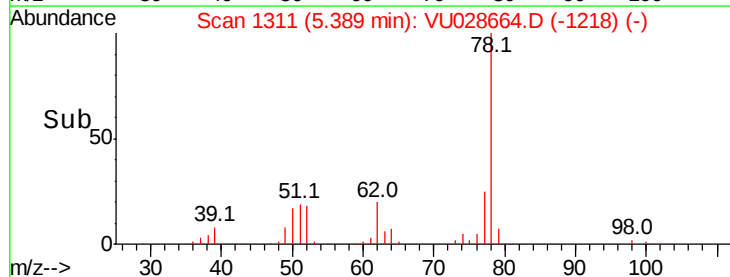
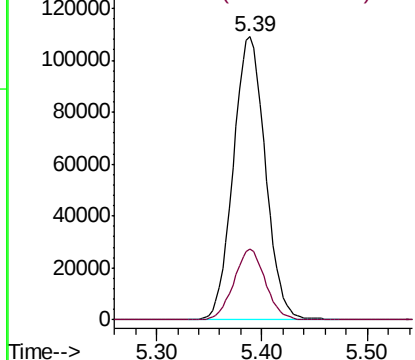


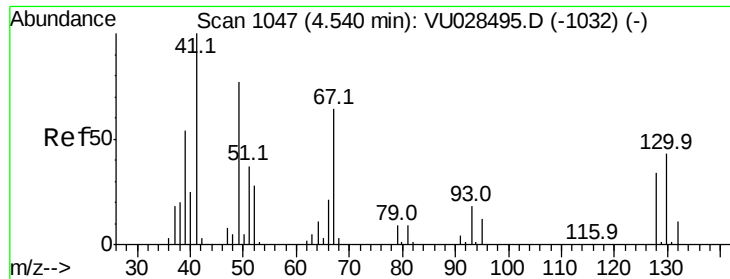
#40
Benzene
Concen: 50.104 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 78 Resp: 230477
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

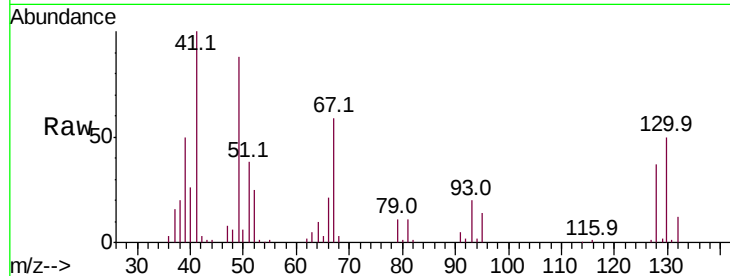




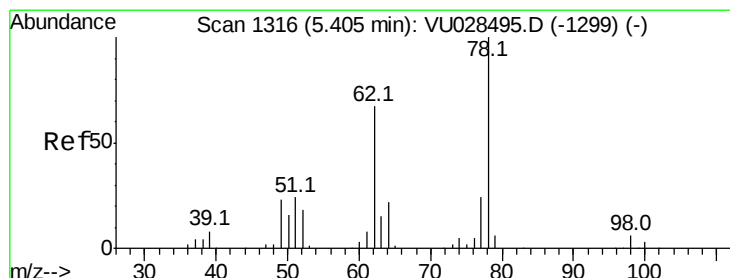
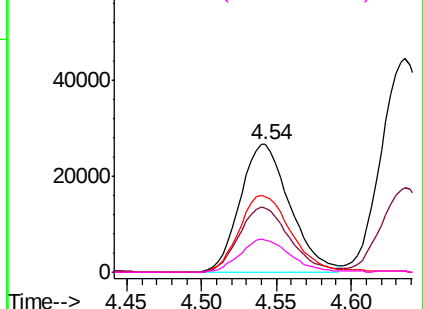
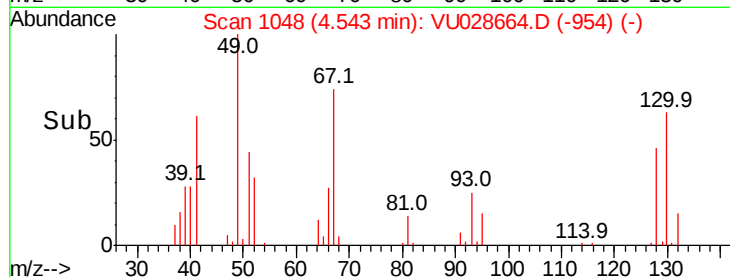
#41
Methacrylonitrile
Concen: 55.994 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 61913
Ion Ratio Lower Upper
41 100
39 51.8 43.3 64.9
67 63.1 53.6 80.4
52 26.2 22.1 33.1

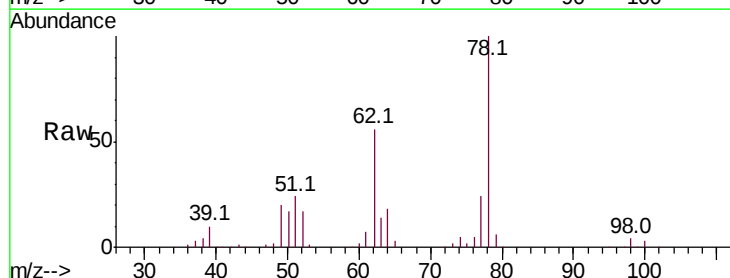


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

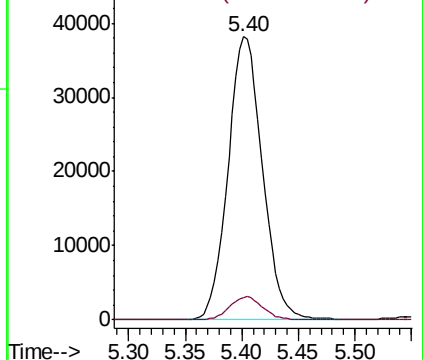
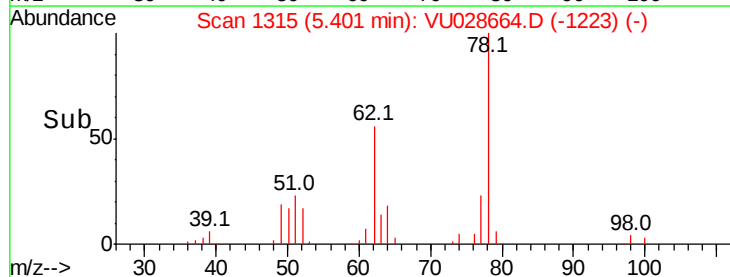


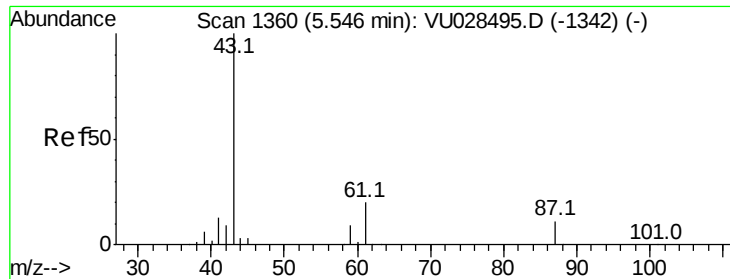
#42
1,2-Dichloroethane
Concen: 50.168 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 62 Resp: 80779
Ion Ratio Lower Upper
62 100
98 7.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.112 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

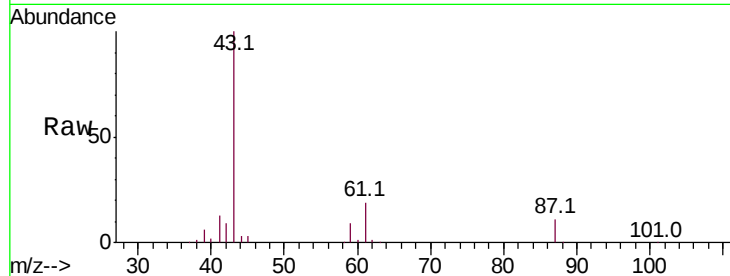
Tot Ion: 43 Resp: 172805

Ion Ratio Lower Upper

43 100

61 18.6 15.5 23.3

87 10.7 8.7 13.1

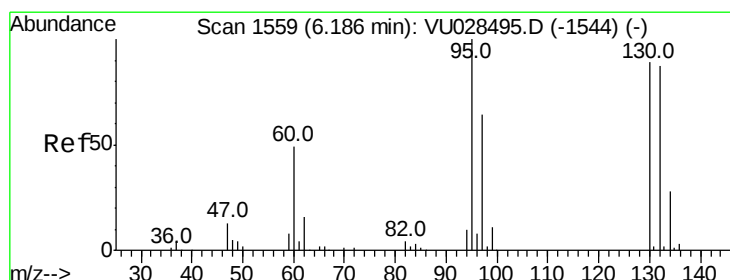
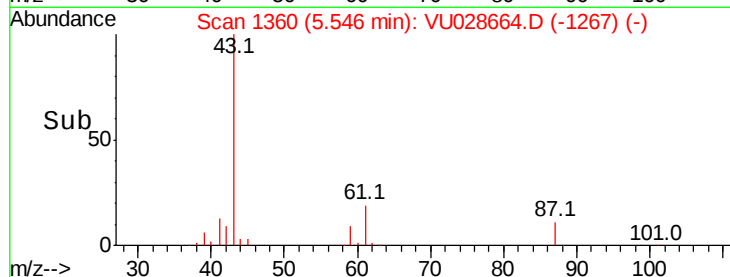
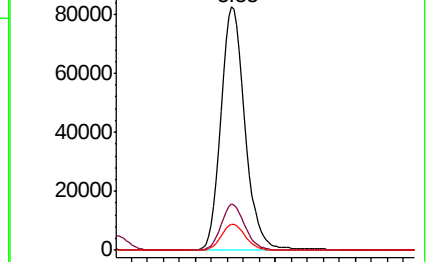


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)

5.55



#44

Trichloroethene

Concen: 49.581 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028664.D

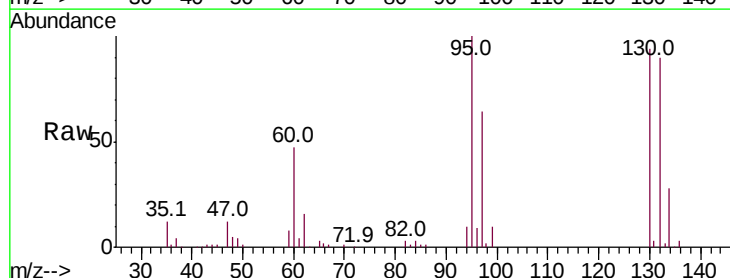
Acq: 12 Dec 2018 20:00

Tgt Ion:130 Resp: 50712

Ion Ratio Lower Upper

130 100

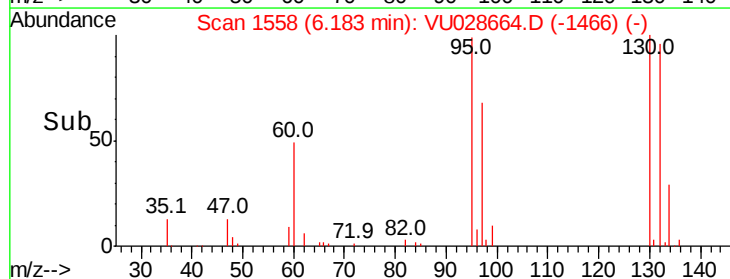
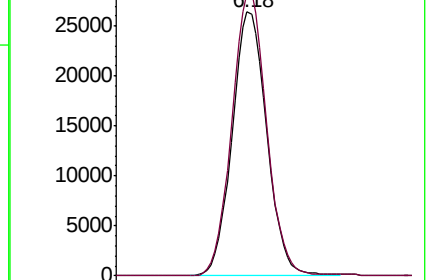
95 106.8 0.0 224.0

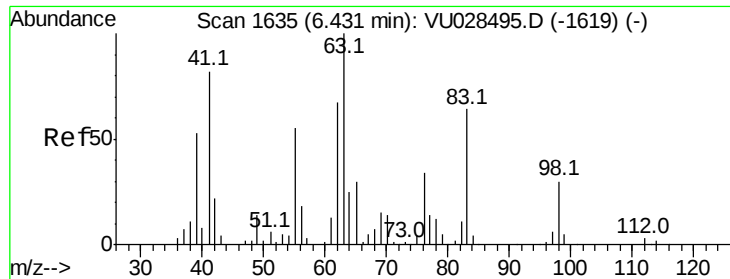


Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.18





#45

1,2-Dichloropropane

Concen: 53.044 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

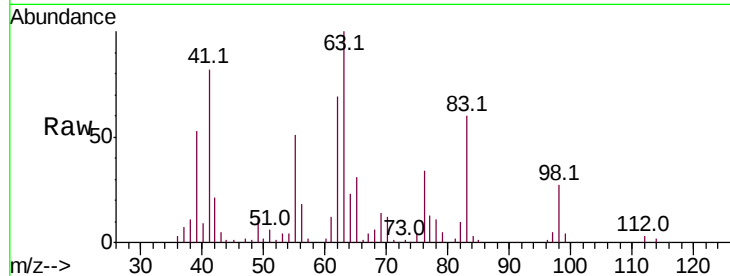
VSTDCCC050EC

Tot Ion: 63 Resp: 68615

Ion Ratio Lower Upper

63 100

65 31.0 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

40000

30000

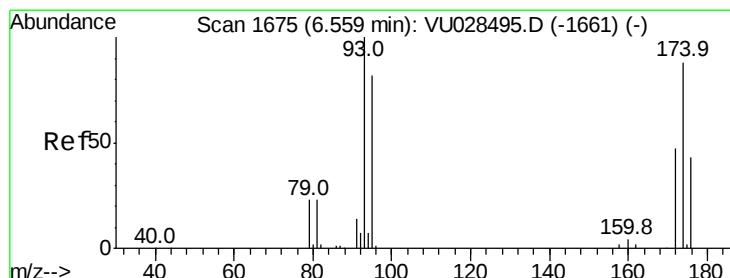
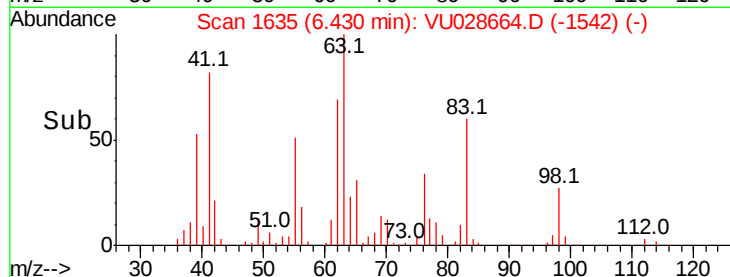
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 50.776 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

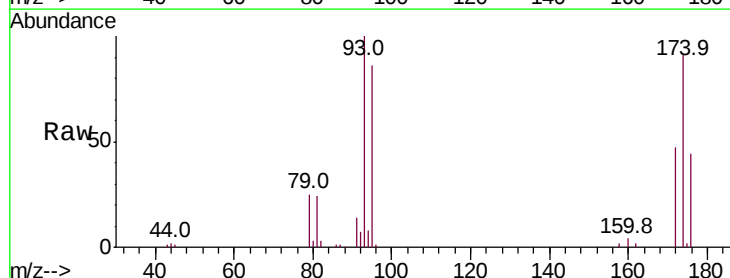
Tgt Ion: 93 Resp: 38971

Ion Ratio Lower Upper

93 100

95 83.9 65.4 98.2

174 89.5 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

25000

20000

15000

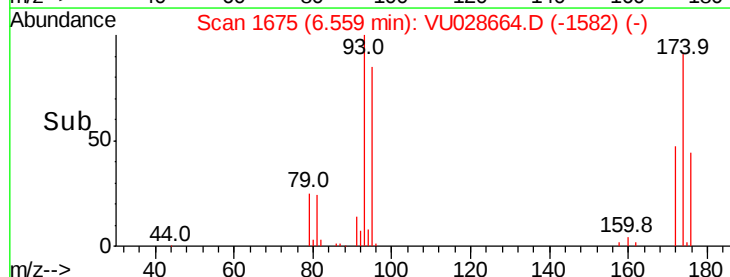
10000

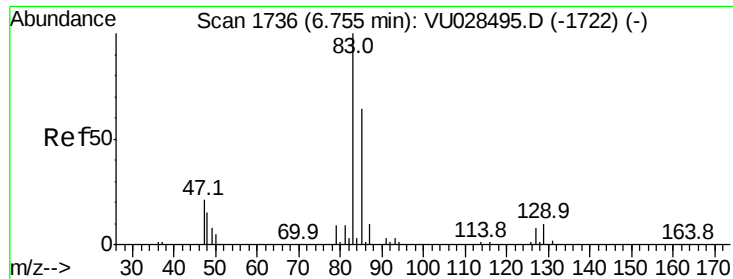
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 50.403 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

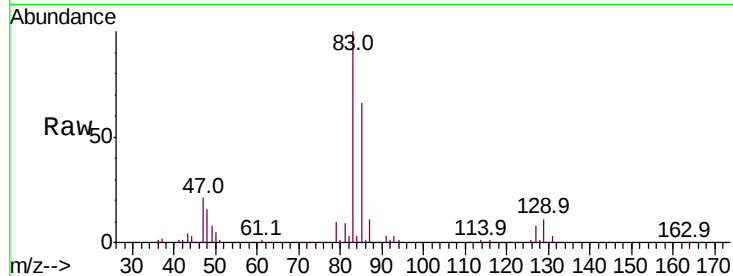
Tot Ion: 83 Resp: 75278

Ion Ratio Lower Upper

83 100

85 65.6 51.5 77.3

127 7.8 6.2 9.4

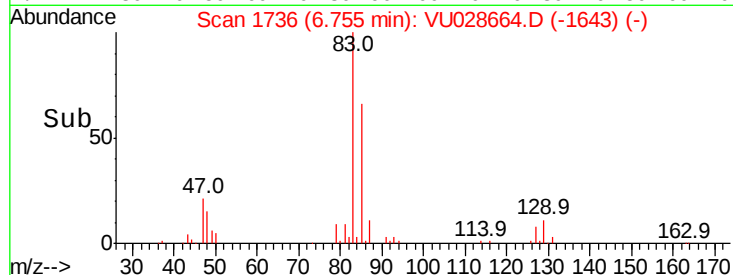


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)

Time-->

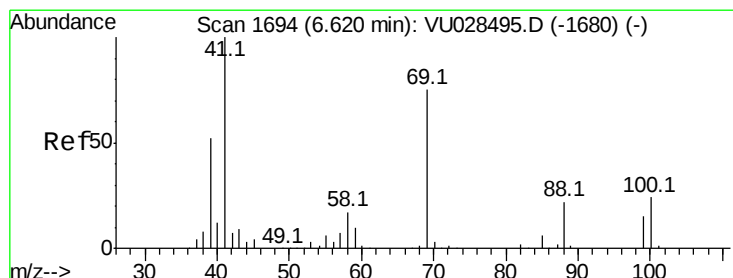


Abundance Ion 82.90 (82.60 to 83.60): VU028664.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028664.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028664.D (-1643) (-)

Time-->



#48

Methyl methacrylate

Concen: 54.447 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

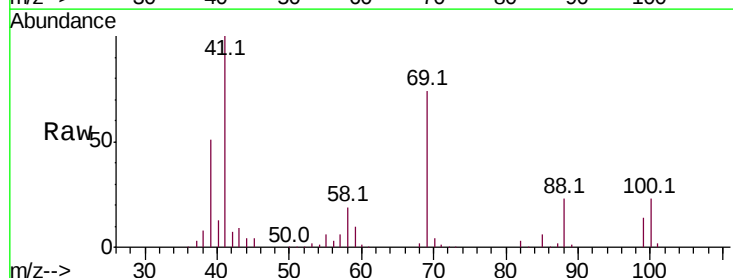
Tgt Ion: 41 Resp: 86469

Ion Ratio Lower Upper

41 100

69 74.8 60.4 90.6

39 51.7 41.1 61.7

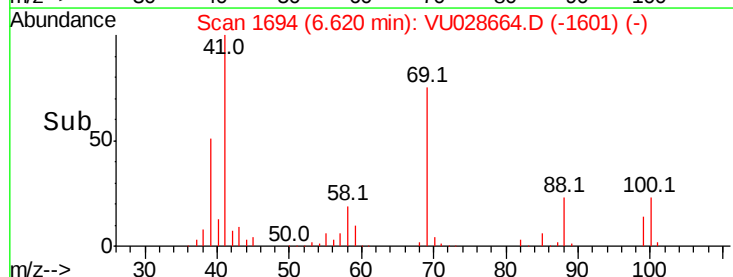


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

Time-->

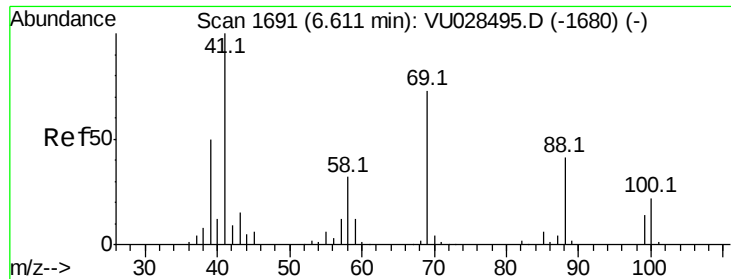


Abundance Ion 41.00 (40.70 to 41.70): VU028664.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028664.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028664.D (-1601) (-)

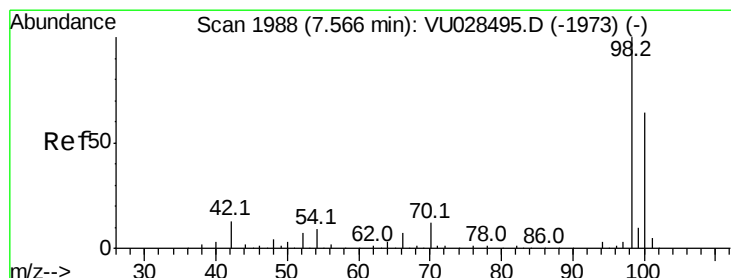
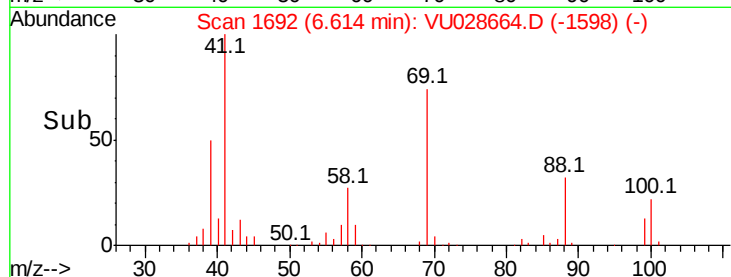
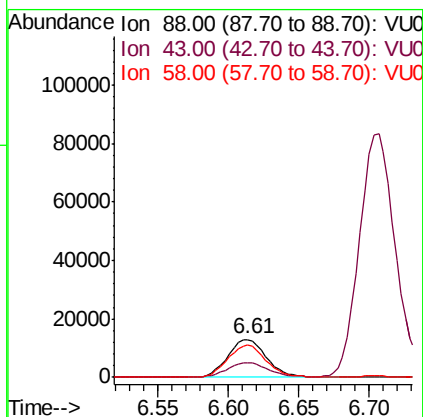
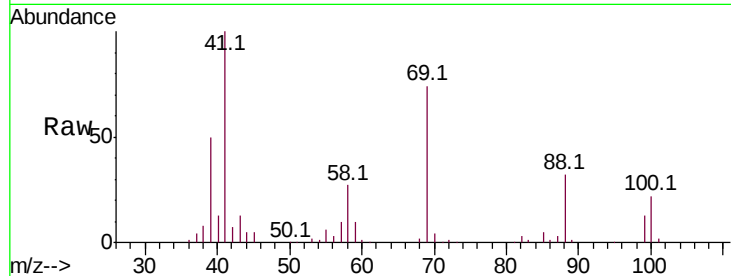
Time-->



#49
1,4-Dioxane
Concen: 997.450 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

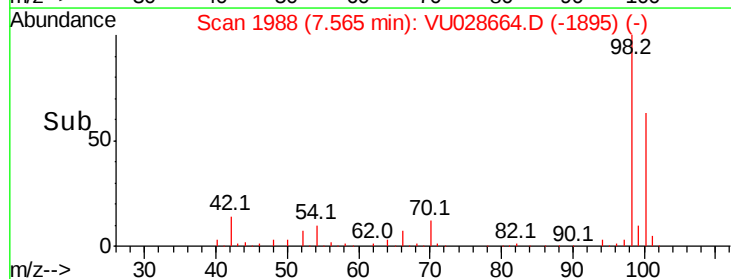
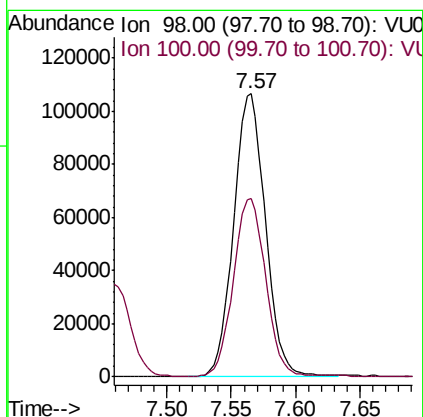
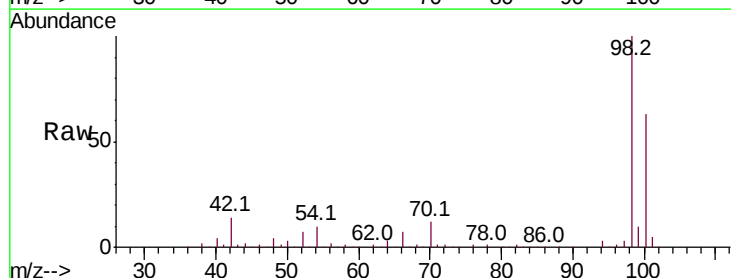
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

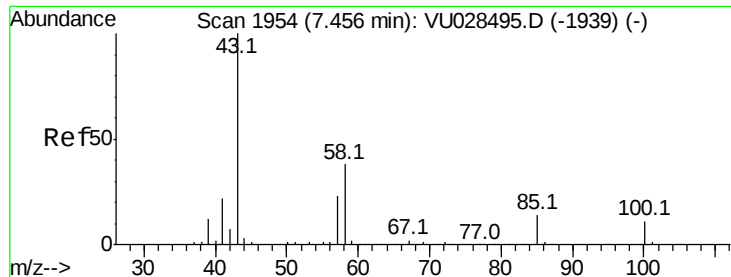
Tot Ion: 88 Resp: 25012
Ion Ratio Lower Upper
88 100
43 39.1 30.9 46.3
58 85.4 62.4 93.6



#50
Toluene-d8
Concen: 51.480 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 98 Resp: 182915
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 273.781 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

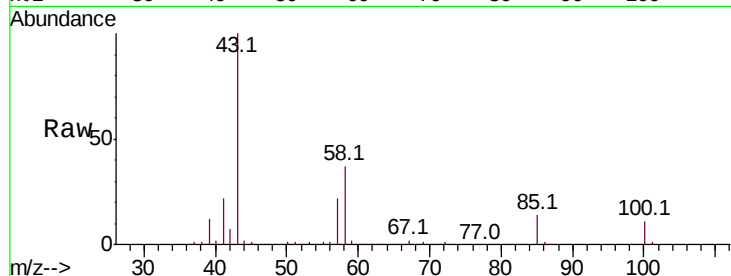
VSTDCCC050EC

Tot Ion: 43 Resp: 551439

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

300000

200000

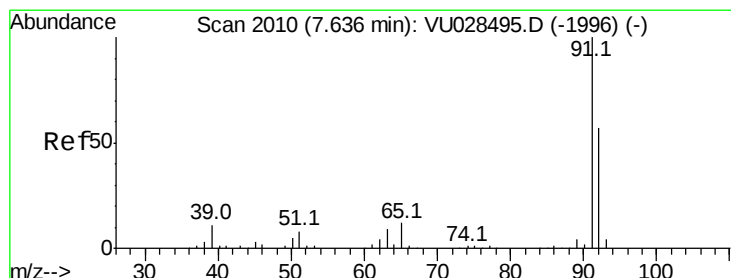
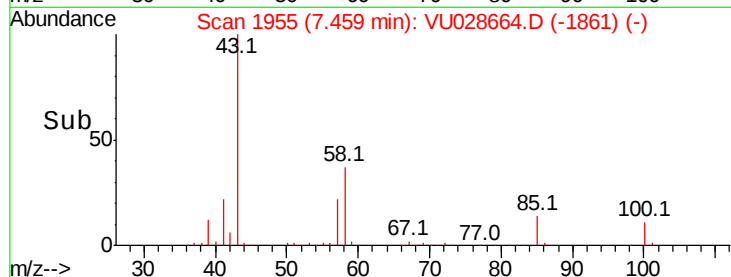
100000

0

Time-->

7.40

7.50



#52

Toluene

Concen: 50.088 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028664.D

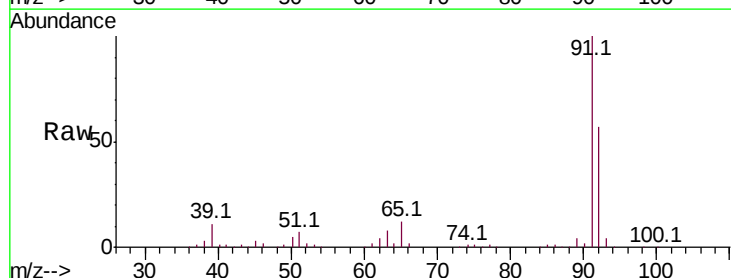
Acq: 12 Dec 2018 20:00

Tgt Ion: 92 Resp: 135598

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

150000

100000

50000

0

Time-->

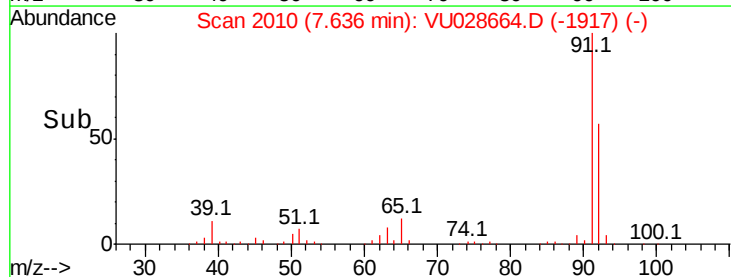
7.55

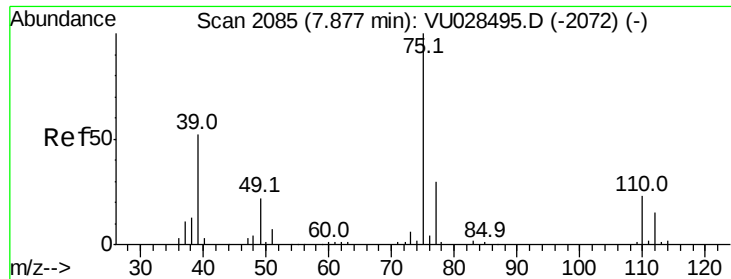
7.60

7.65

7.70

7.75





#53

t-1,3-Dichloropropene

Concen: 50.352 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

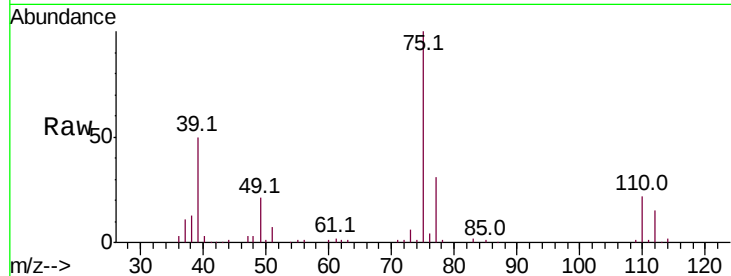
VSTDCCC050EC

Tot Ion: 75 Resp: 89564

Ion Ratio Lower Upper

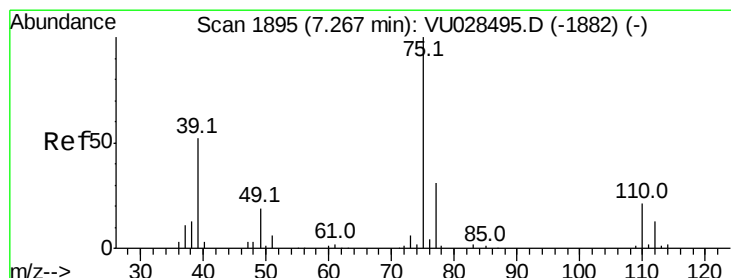
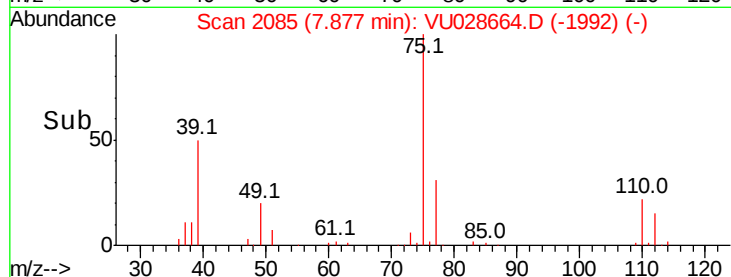
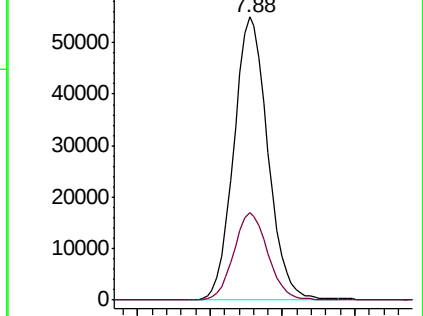
75 100

77 30.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.555 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

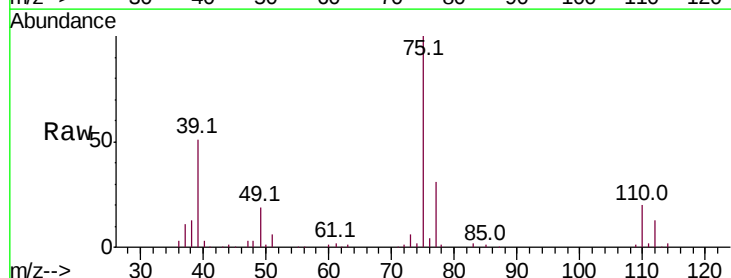
Tgt Ion: 75 Resp: 95632

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

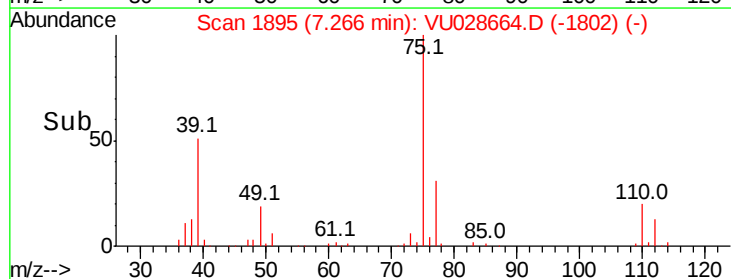
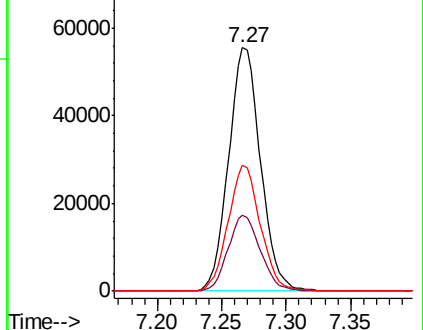
39 51.5 41.3 61.9

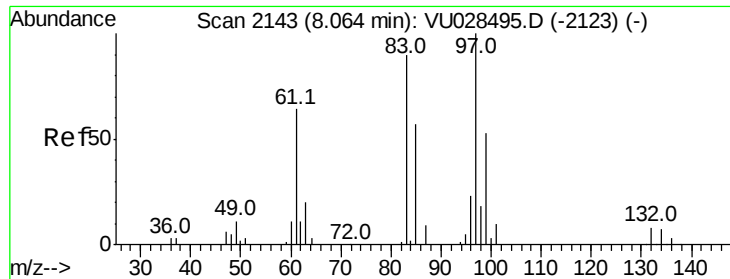


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

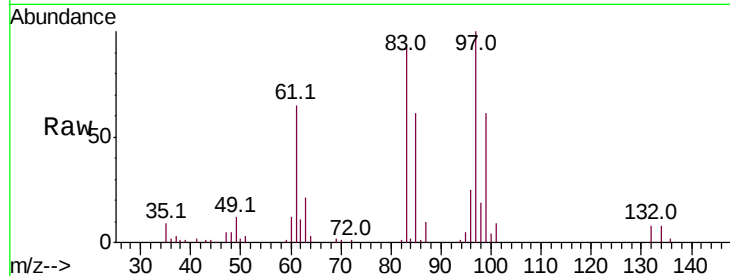




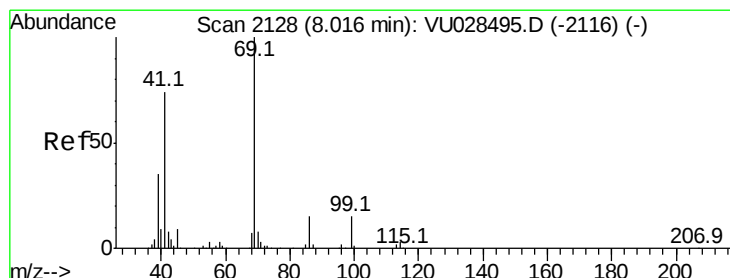
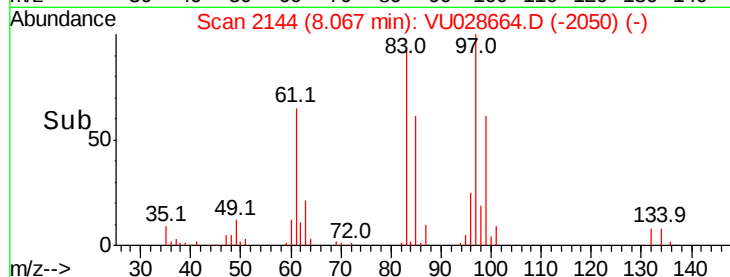
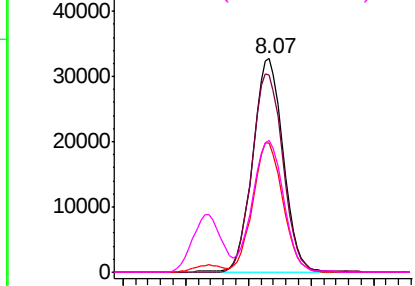
#55
 1,1,2-Trichloroethane
 Concen: 51.946 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 55589
 Ion Ratio Lower Upper
 97 100
 83 92.1 72.4 108.6
 85 60.6 46.0 69.0
 99 61.1 47.4 71.2

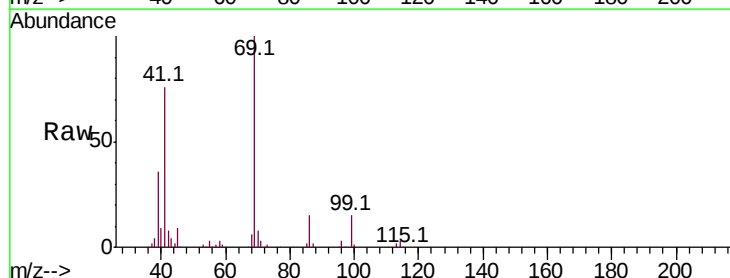


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

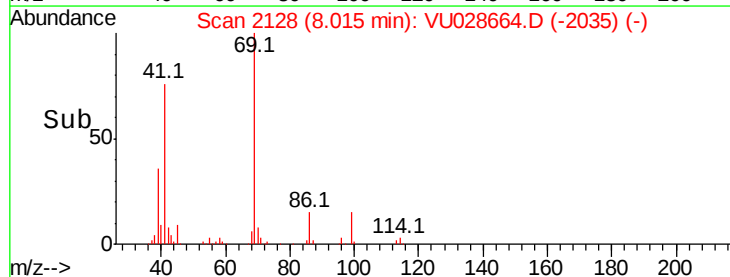
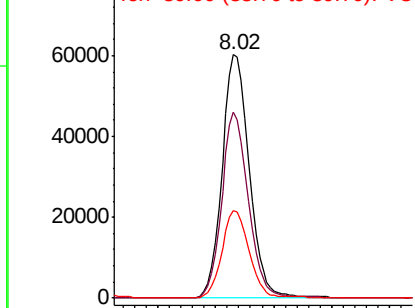


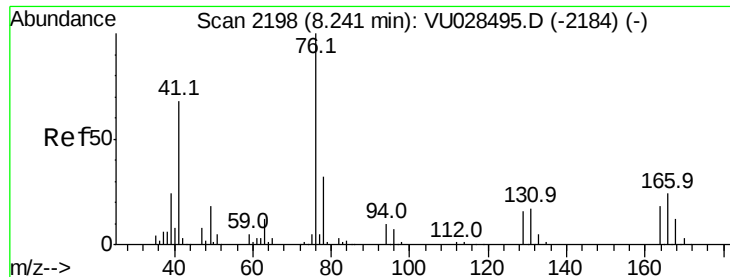
#56
 Ethyl methacrylate
 Concen: 53.672 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 69 Resp: 98357
 Ion Ratio Lower Upper
 69 100
 41 74.6 59.1 88.7
 39 36.4 28.4 42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 51.427 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

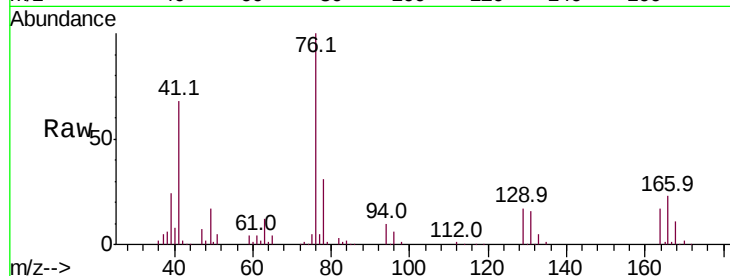
VSTDCCC050EC

Tot Ion: 76 Resp: 102160

Ion Ratio Lower Upper

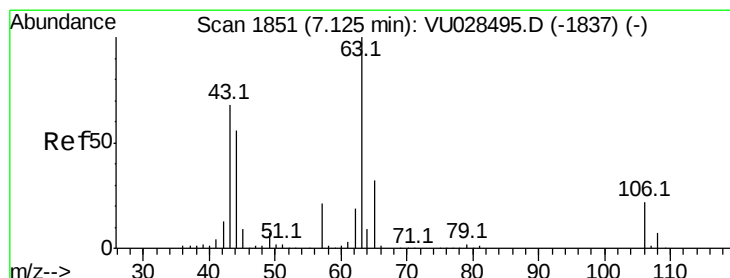
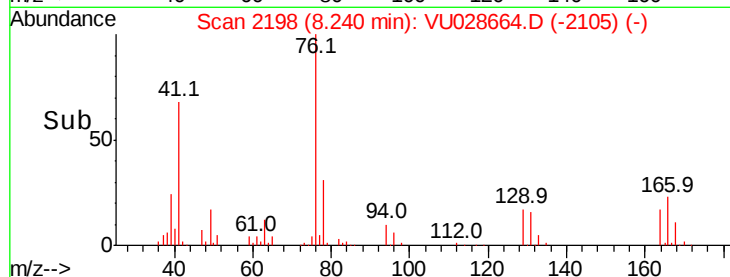
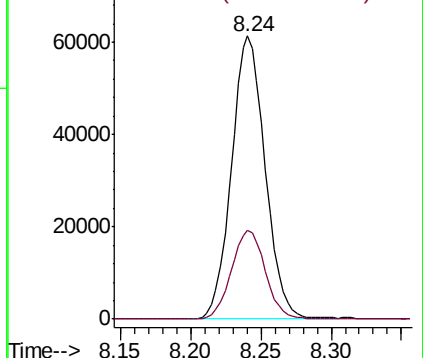
76 100

78 31.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 270.708 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028664.D

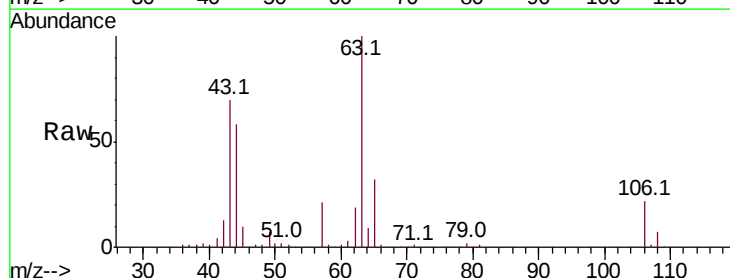
Acq: 12 Dec 2018 20:00

Tgt Ion: 63 Resp: 254097

Ion Ratio Lower Upper

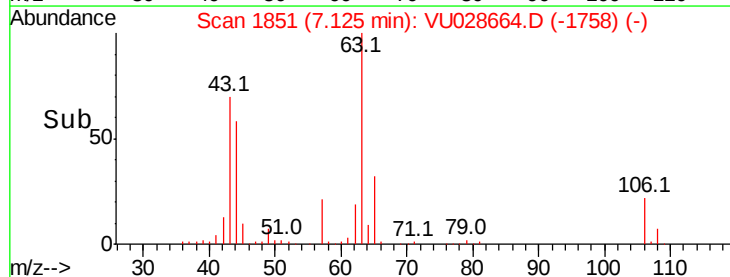
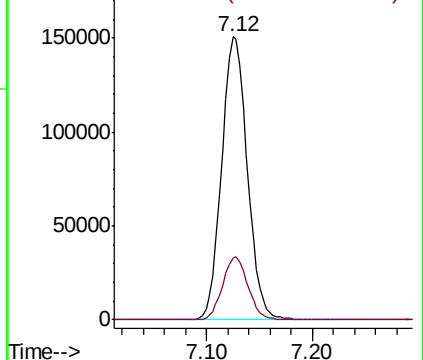
63 100

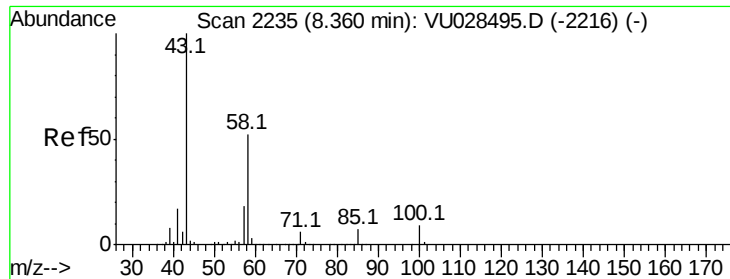
106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

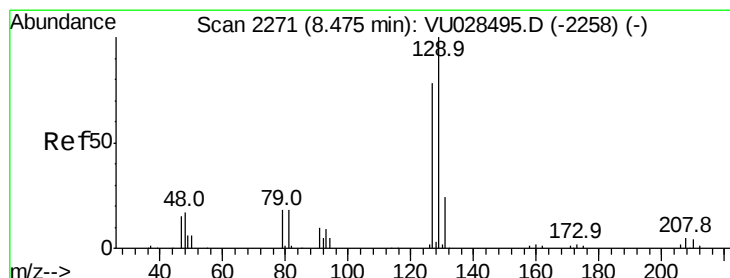
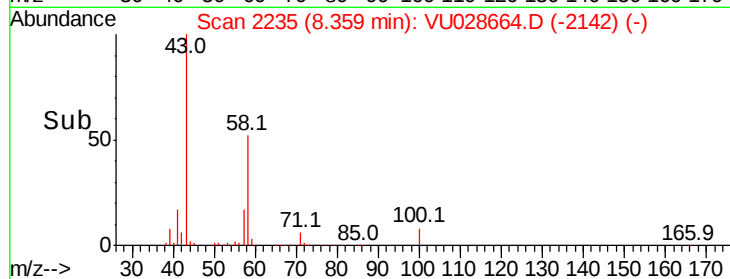
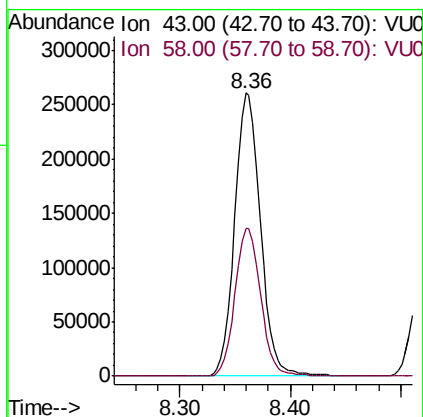
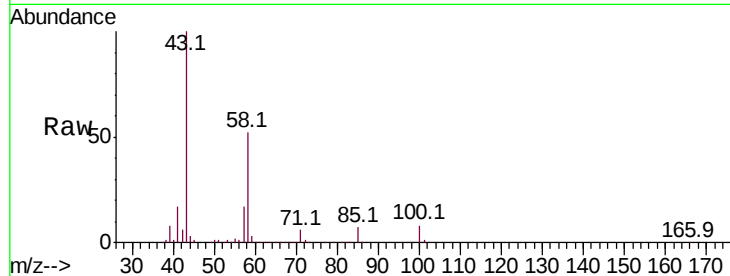




#59
2-Hexanone
Concen: 264.926 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

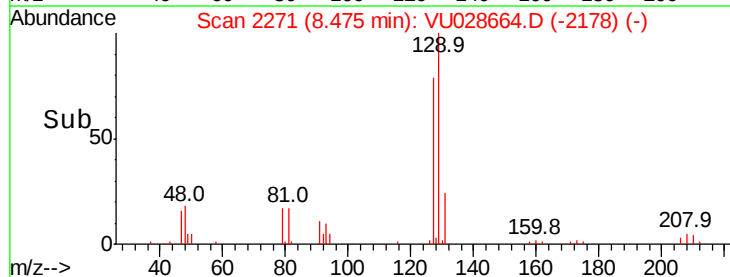
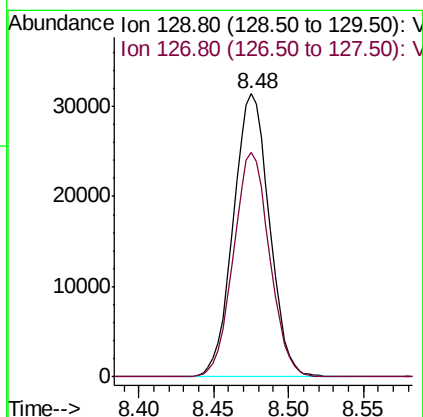
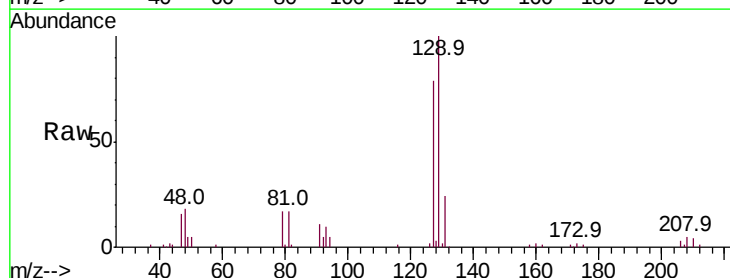
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

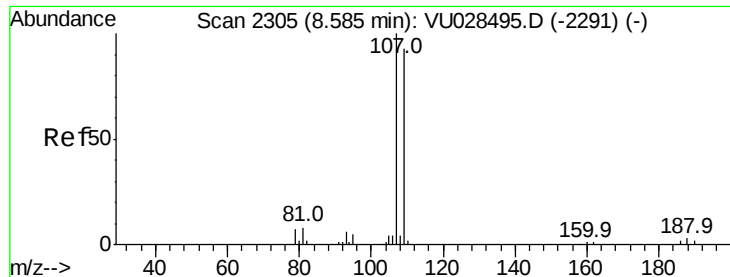
Tot Ion: 43 Resp: 422938
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6



#60
Dibromochloromethane
Concen: 50.333 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 129 Resp: 52735
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.542 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

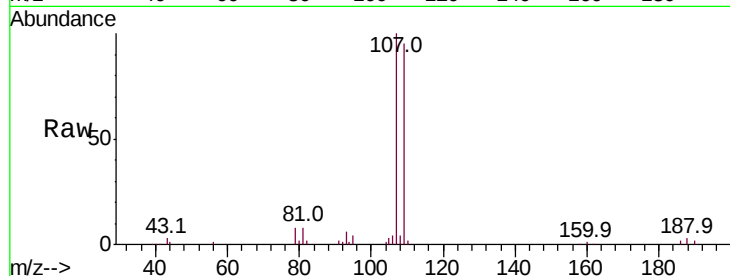
VSTDCCC050EC

Tot Ion:107 Resp: 57841

Ion Ratio Lower Upper

107 100

109 95.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

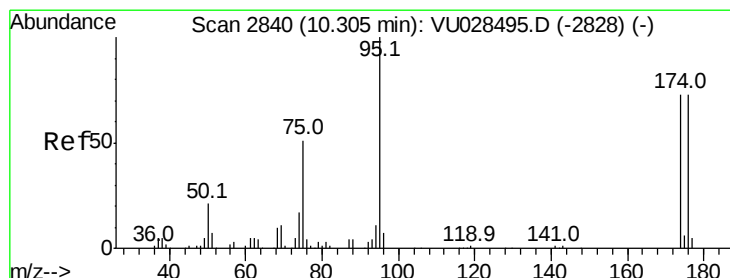
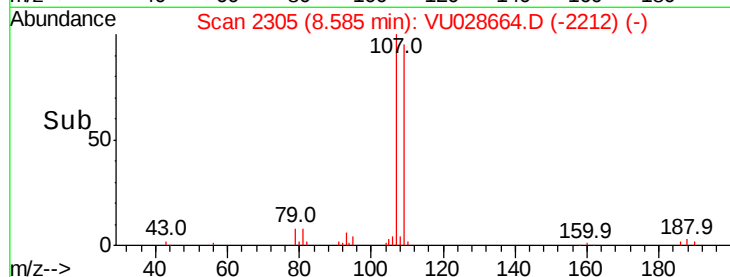
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 51.641 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

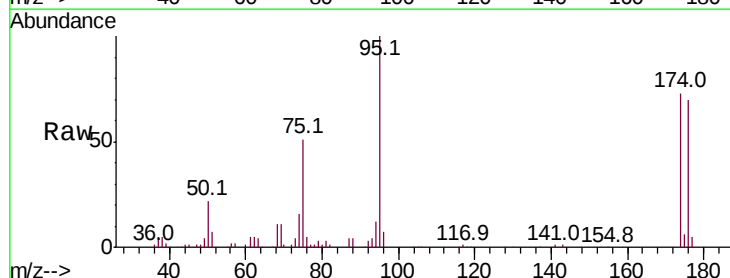
Tgt Ion: 95 Resp: 68580

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 72.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

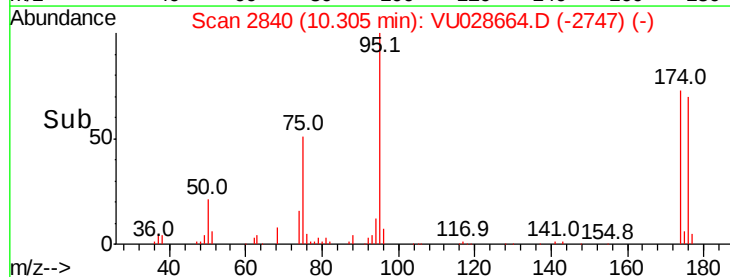
30000

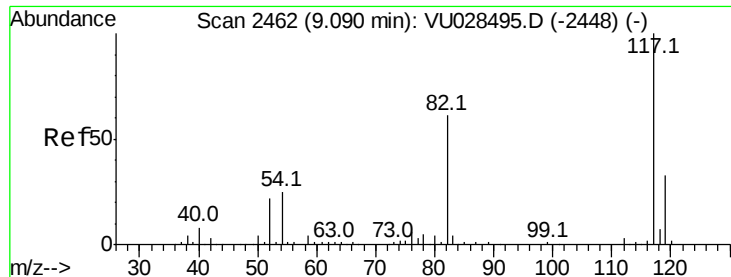
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

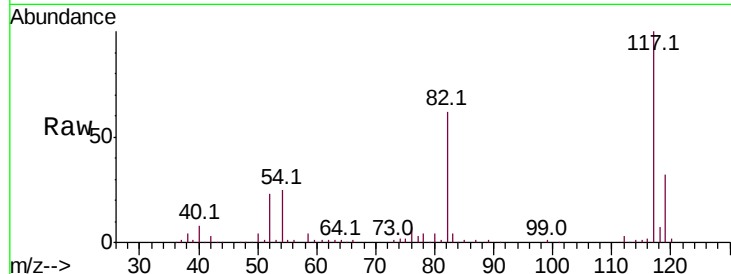




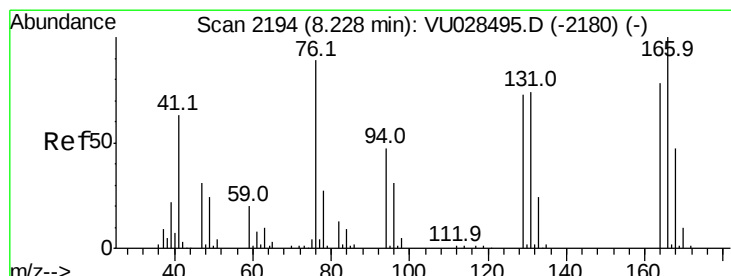
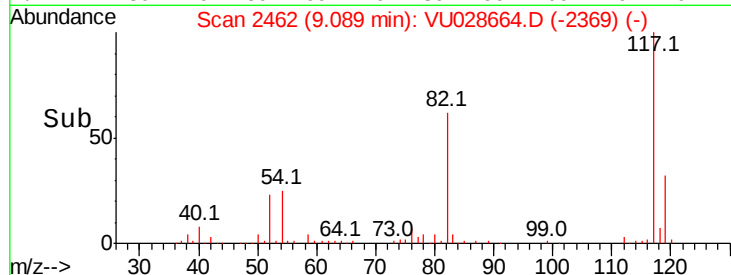
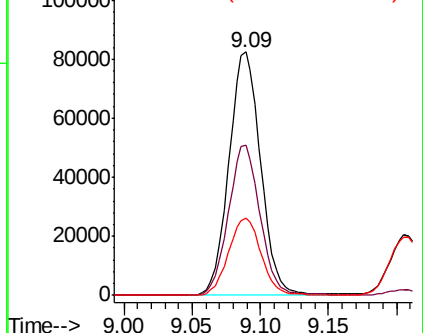
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 133301
Ion Ratio Lower Upper
117 100
82 61.5 48.9 73.3
119 31.7 26.2 39.4

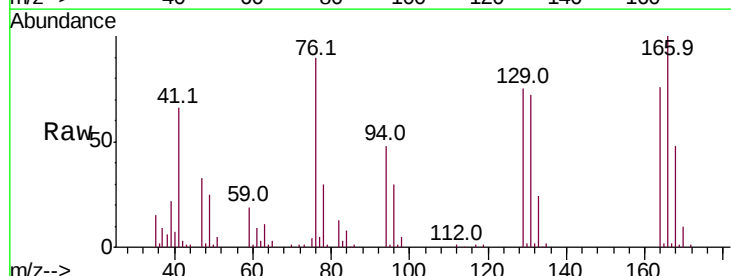


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU
Ion 118.90 (118.60 to 119.60): V

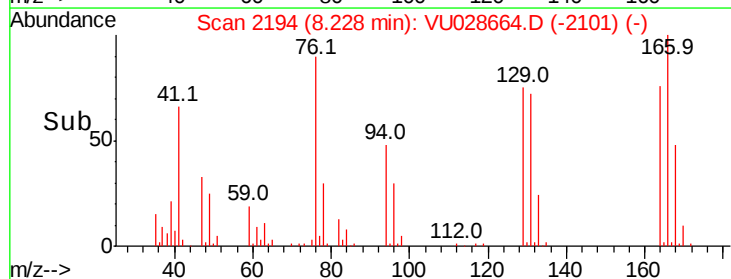
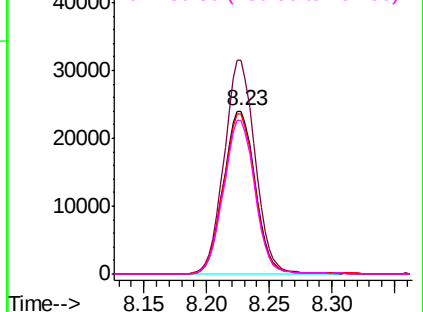


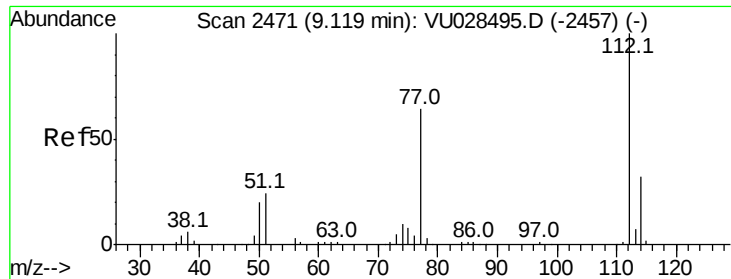
#64
Tetrachloroethene
Concen: 47.371 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:164 Resp: 42120
Ion Ratio Lower Upper
164 100
166 130.9 101.9 152.9
129 98.0 74.9 112.3
131 94.2 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

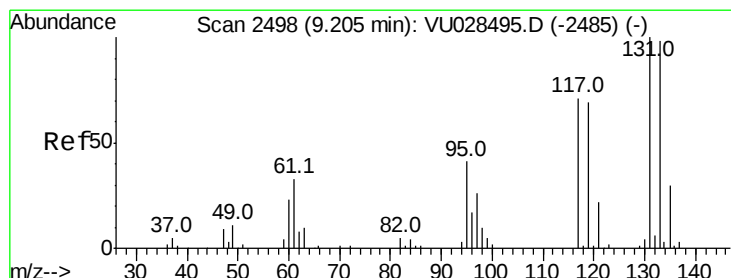
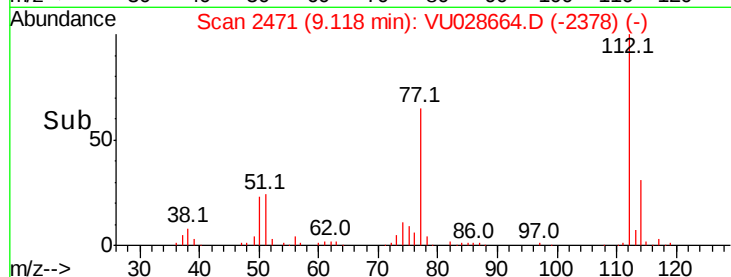
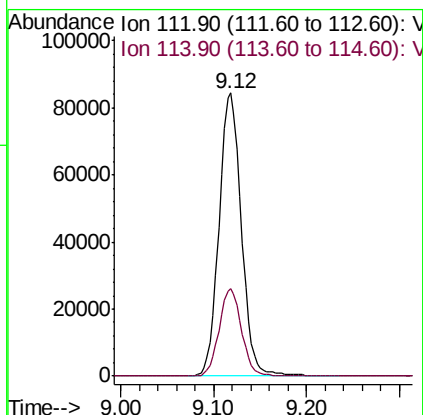
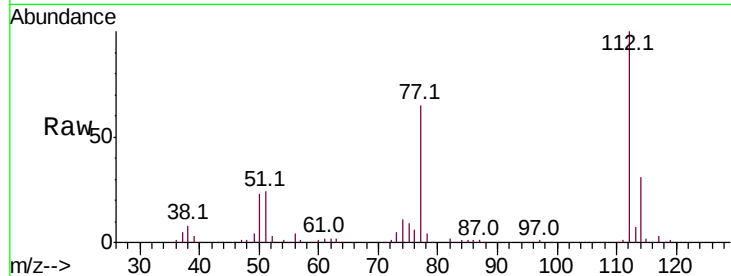




#65
Chlorobenzene
Concen: 49.596 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

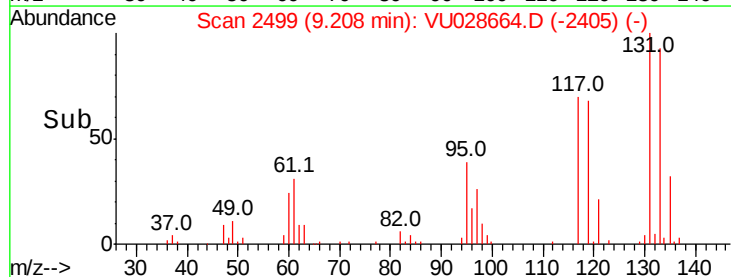
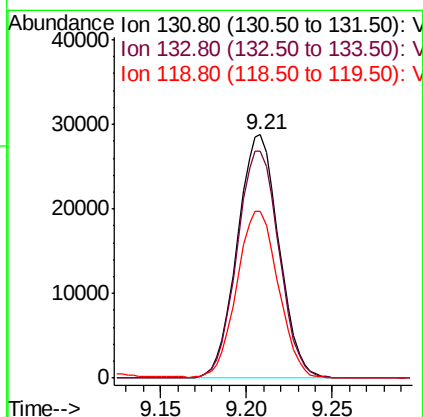
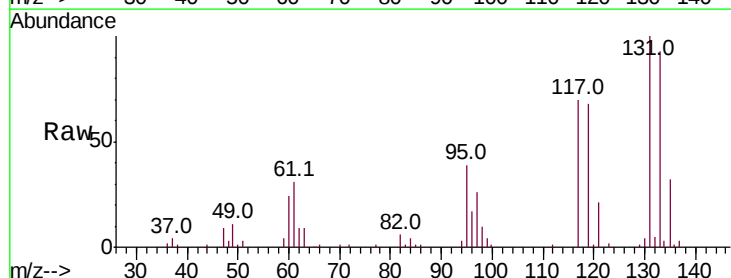
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

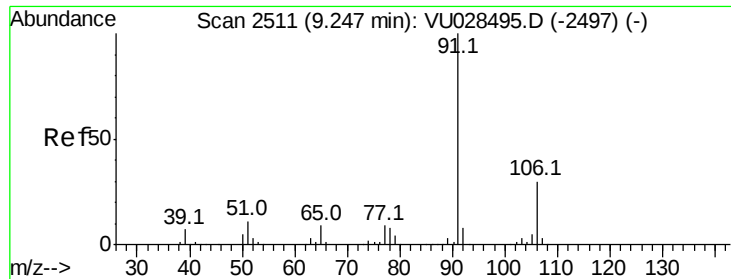
Tot Ion:112 Resp: 140878
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.160 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:131 Resp: 48220
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.0
119 68.7 34.6 103.9

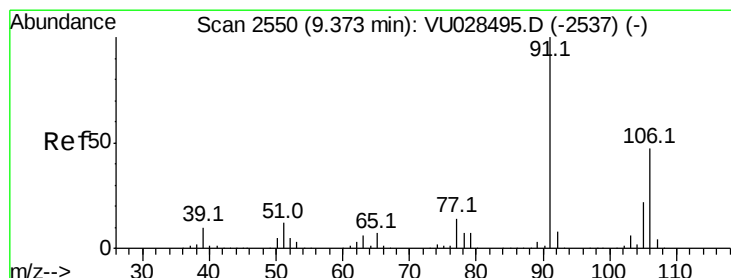
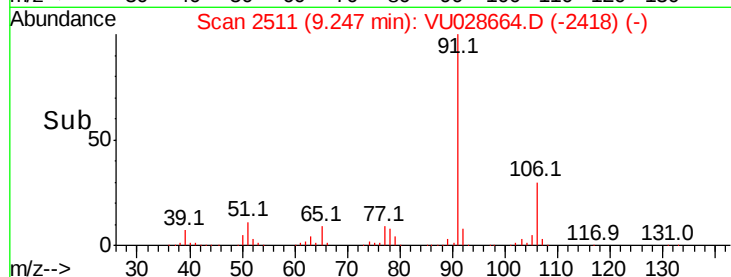
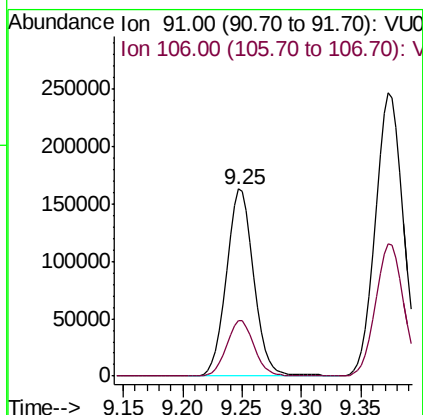
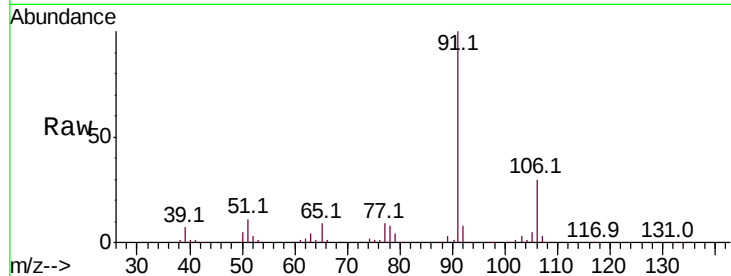




#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

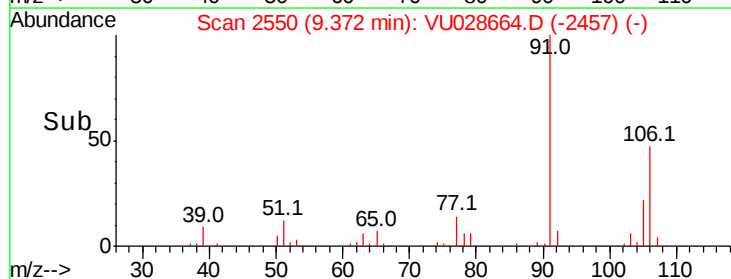
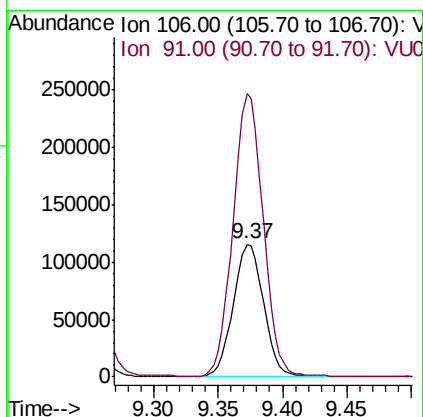
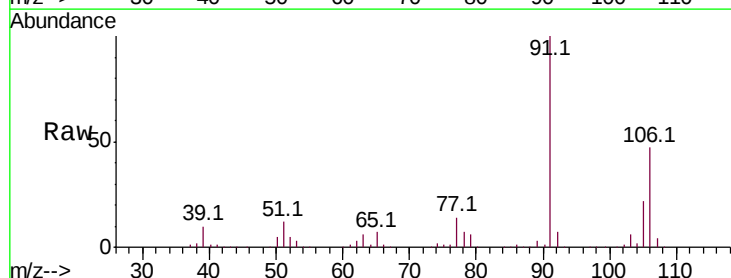
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

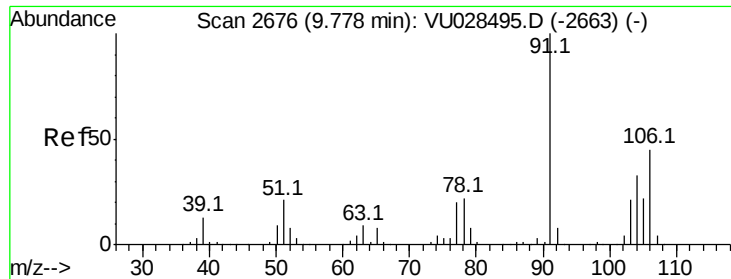
Tot Ion: 91 Resp: 260122
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1



#68
m/p-Xylenes
Concen: 99.369 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 106 Resp: 188808
Ion Ratio Lower Upper
106 100
91 214.0 167.4 251.0

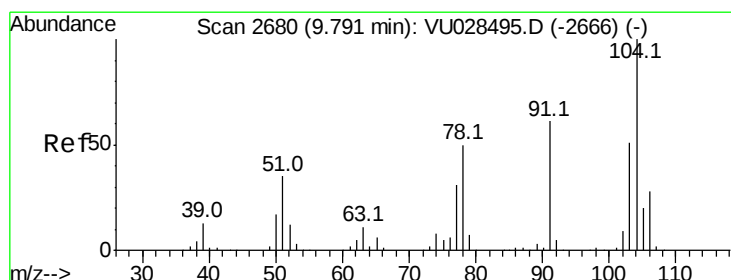
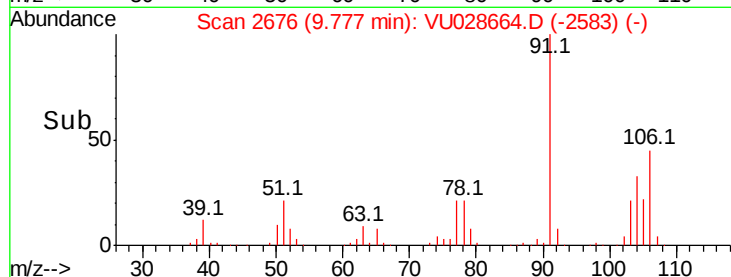
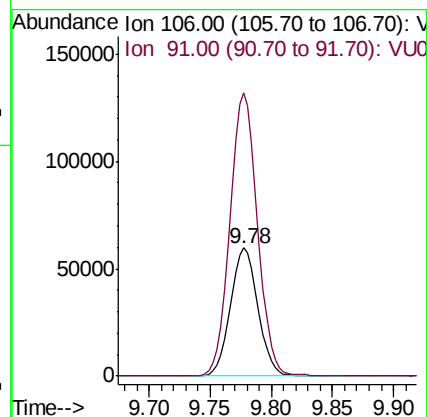
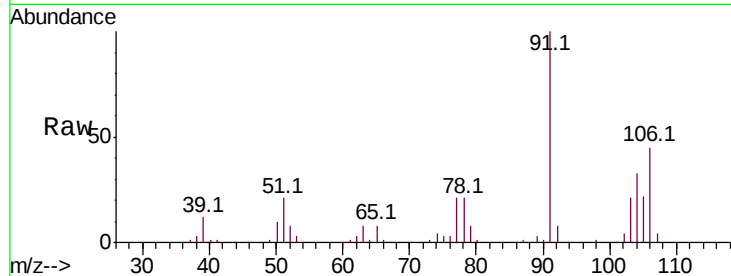




#69
o-Xylene
Concen: 51.246 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

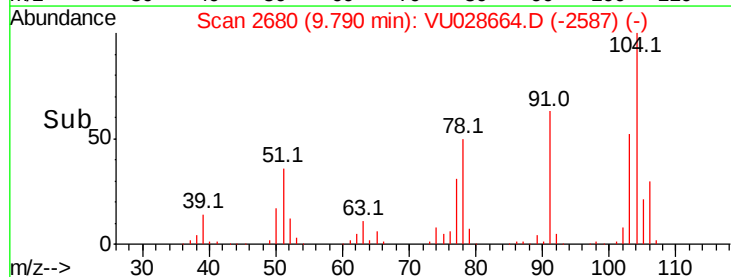
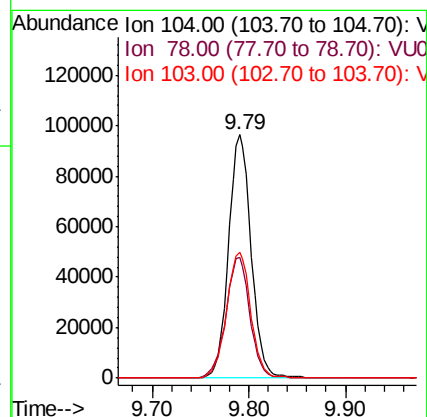
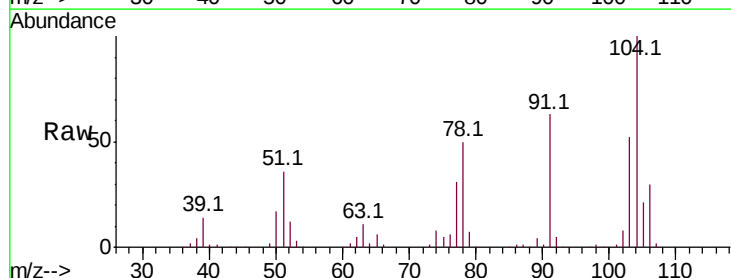
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

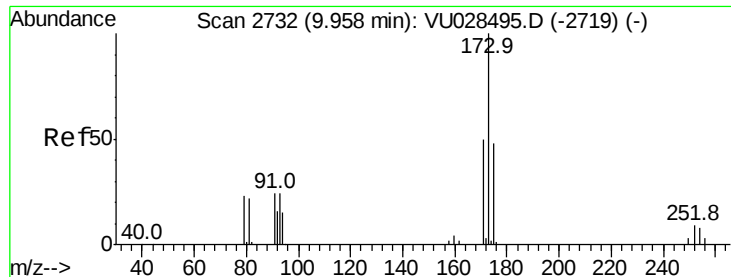
Tot Ion:106 Resp: 94624
Ion Ratio Lower Upper
106 100
91 220.6 111.3 334.0



#70
Styrene
Concen: 51.045 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:104 Resp: 155981
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 53.260 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

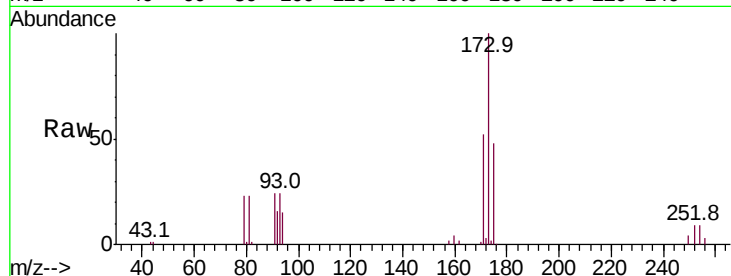
Tot Ion:173 Resp: 41097

Ion Ratio Lower Upper

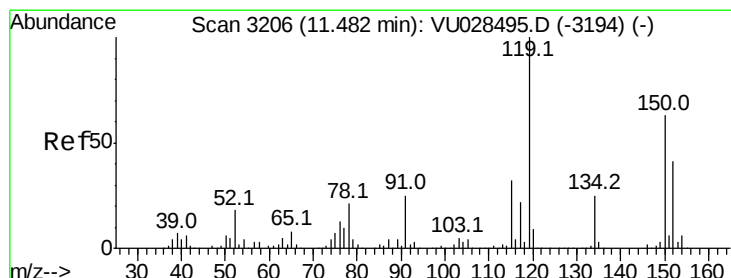
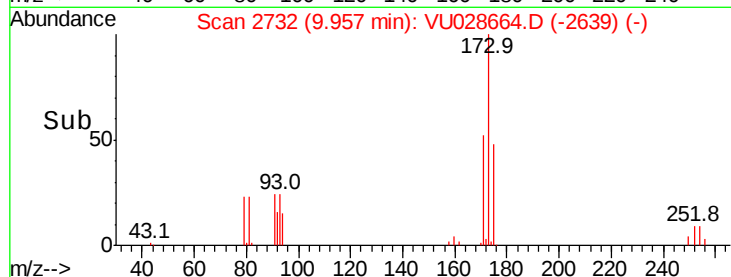
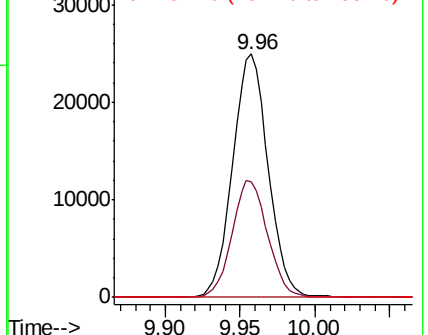
173 100

175 47.8 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

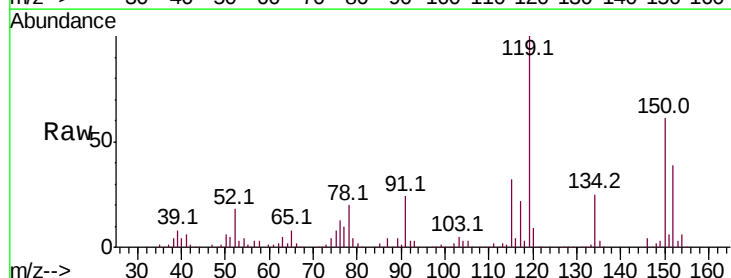
Tgt Ion:152 Resp: 65104

Ion Ratio Lower Upper

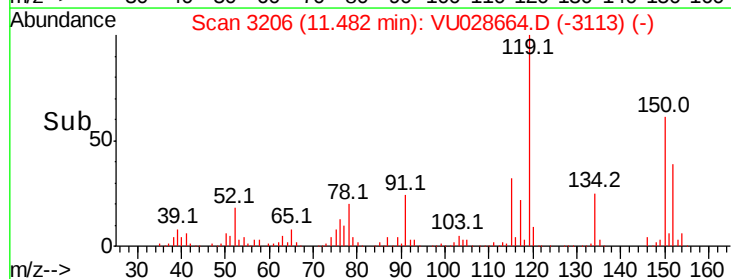
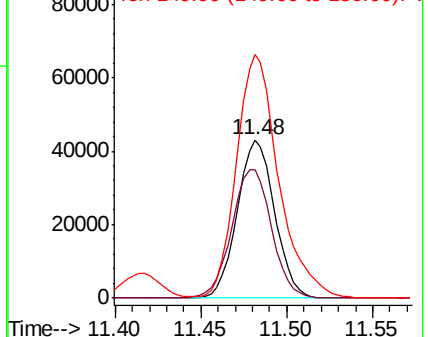
152 100

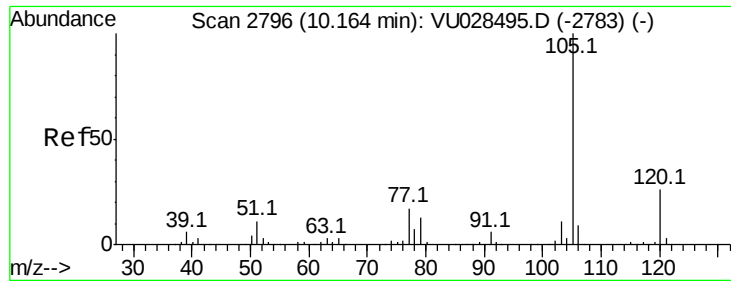
115 86.8 42.7 128.1

150 174.6 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.849 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

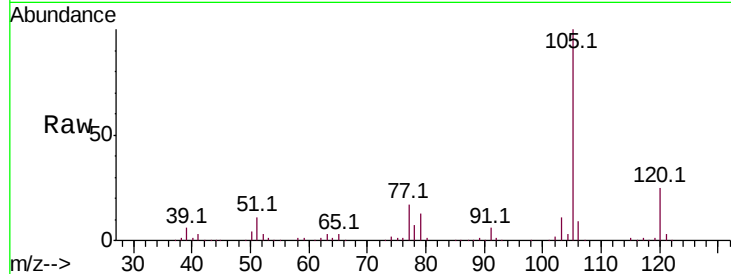
VSTDCCC050EC

Tot Ion:105 Resp: 249030

Ion Ratio Lower Upper

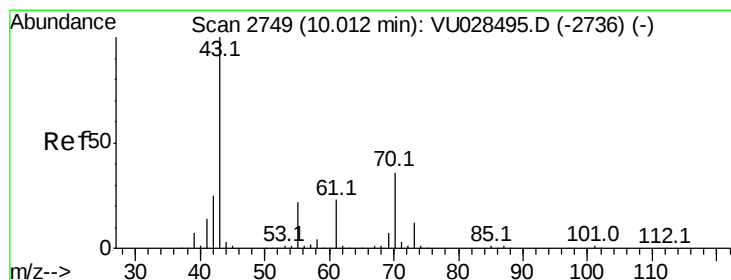
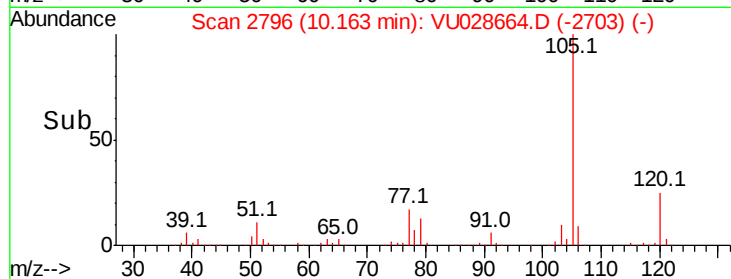
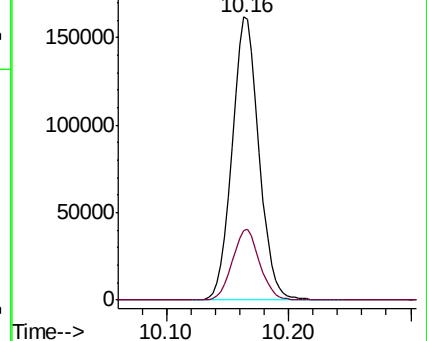
105 100

120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.802 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion: 43 Resp: 152156

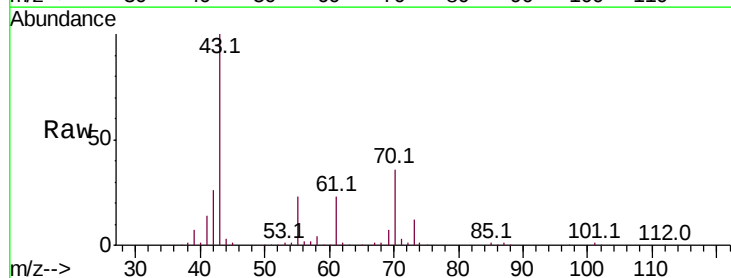
Ion Ratio Lower Upper

43 100

70 36.9 29.3 43.9

55 23.3 18.0 27.0

61 22.5 18.3 27.5

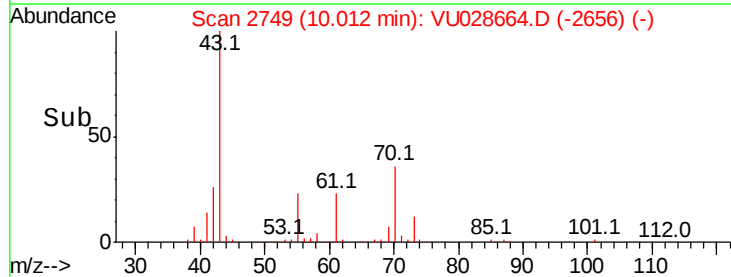
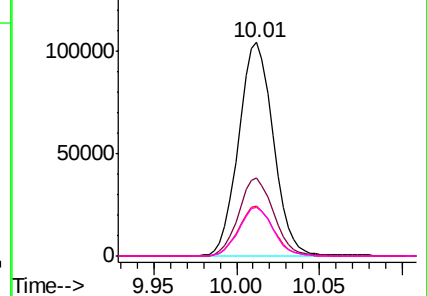


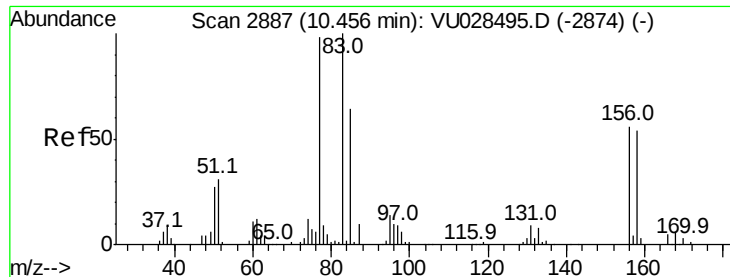
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.784 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

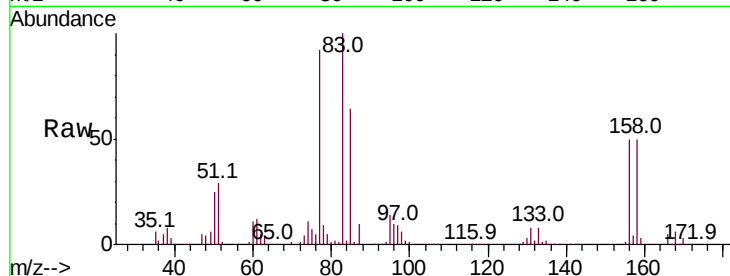
Tot Ion: 83 Resp: 103215

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

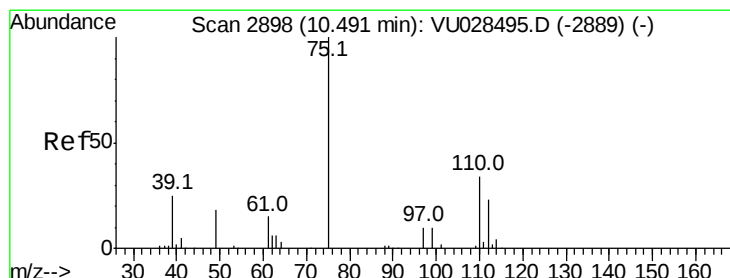
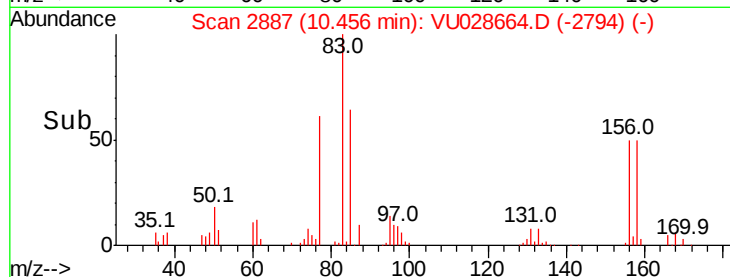
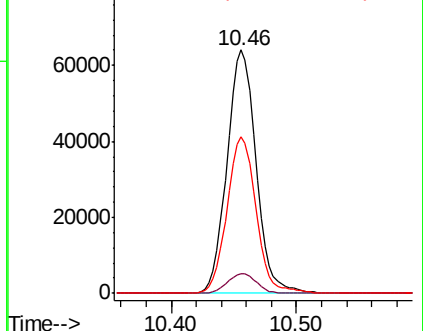
85 64.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 74.508 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028664.D

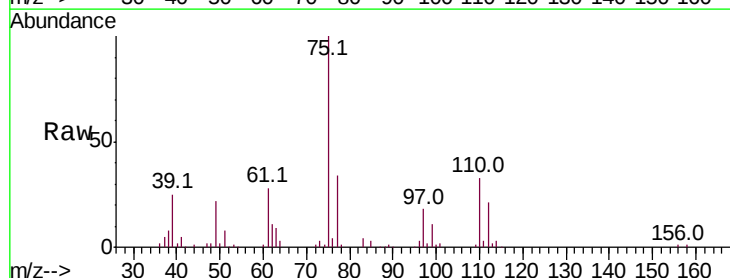
Acq: 12 Dec 2018 20:00

Tgt Ion: 75 Resp: 123865

Ion Ratio Lower Upper

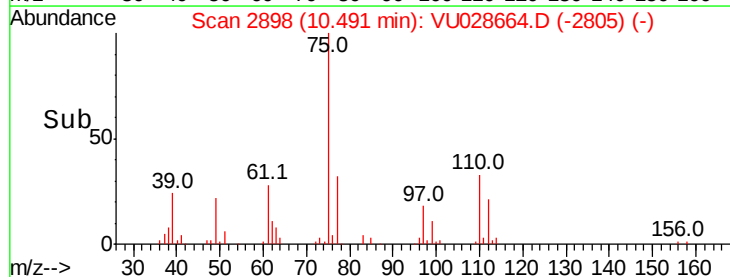
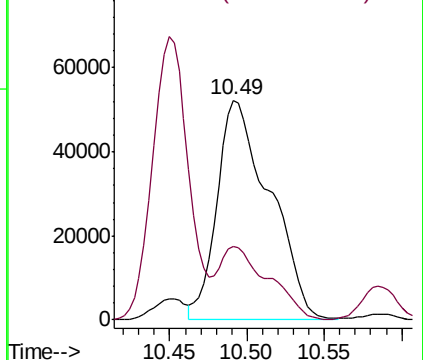
75 100

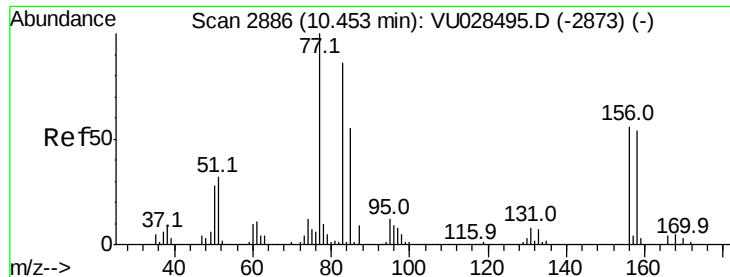
77 30.5 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.918 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

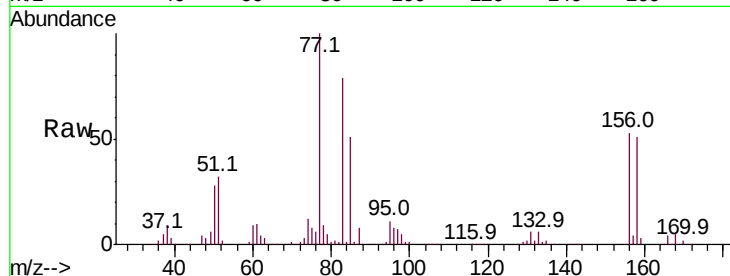
Tot Ion:156 Resp: 58322

Ion Ratio Lower Upper

156 100

77 186.9 92.4 277.2

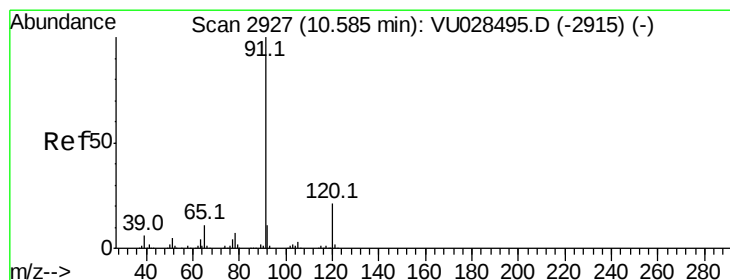
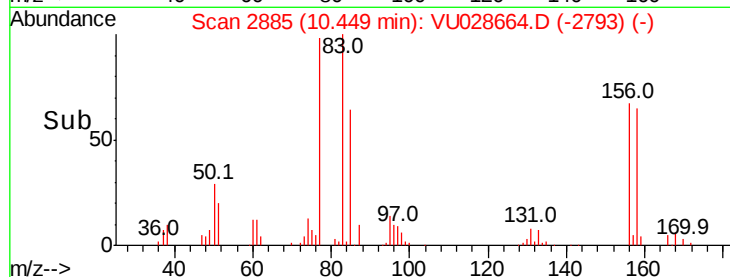
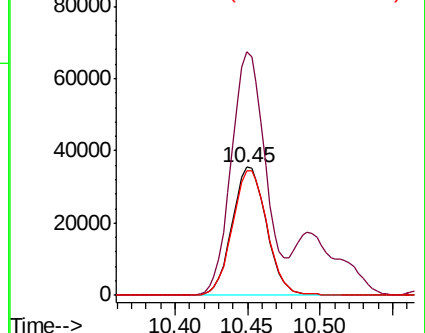
158 98.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.459 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028664.D

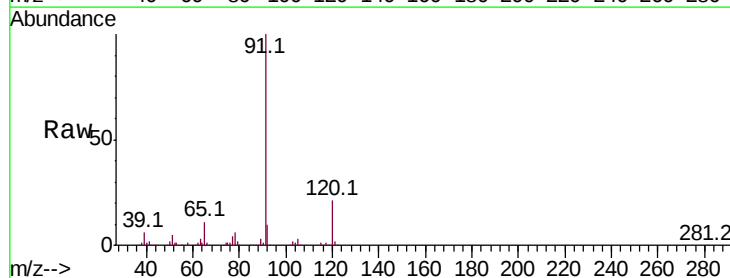
Acq: 12 Dec 2018 20:00

Tgt Ion: 91 Resp: 307020

Ion Ratio Lower Upper

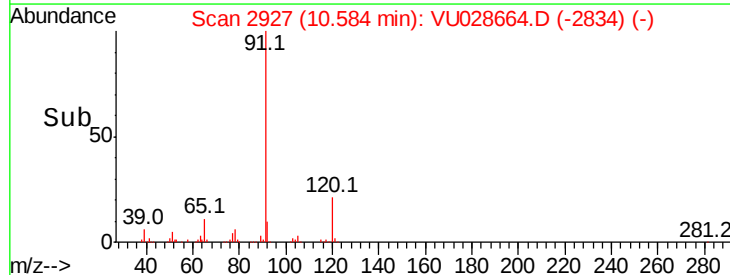
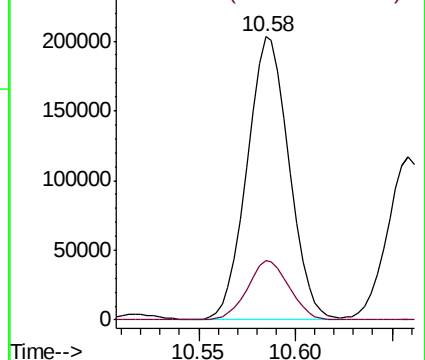
91 100

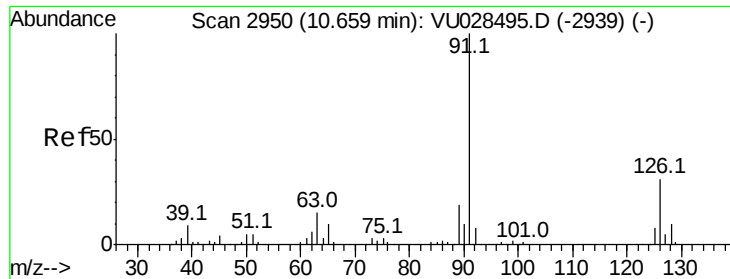
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

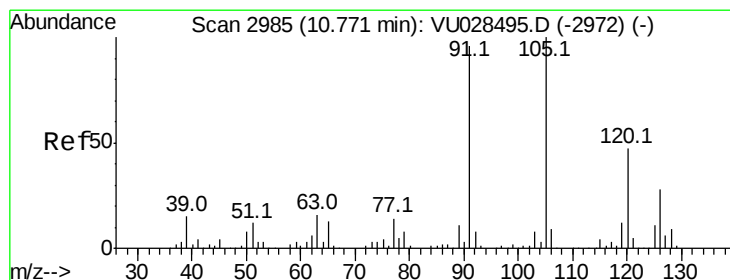
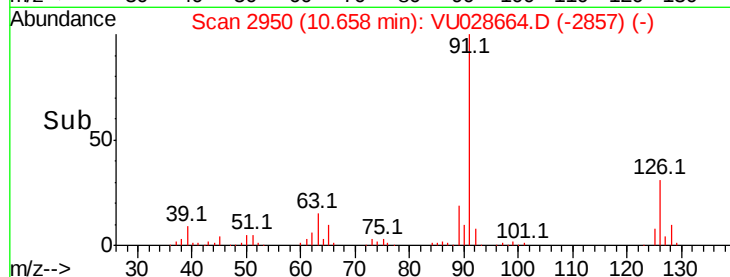
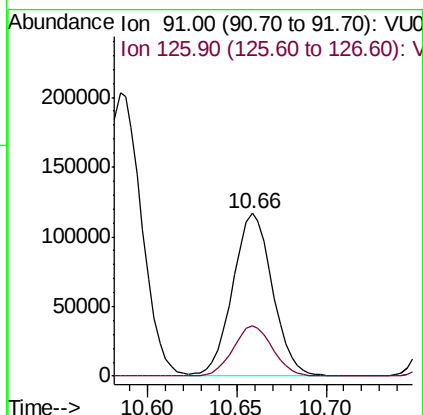
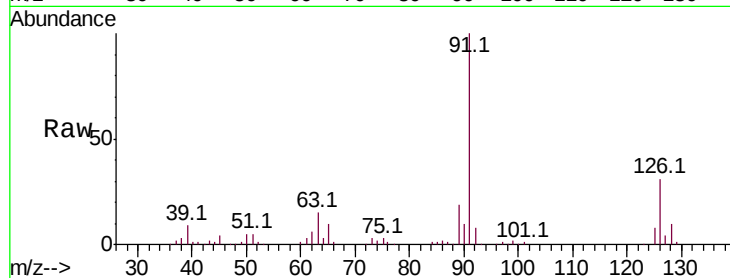




#79
 2-Chlorotoluene
 Concen: 50.633 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

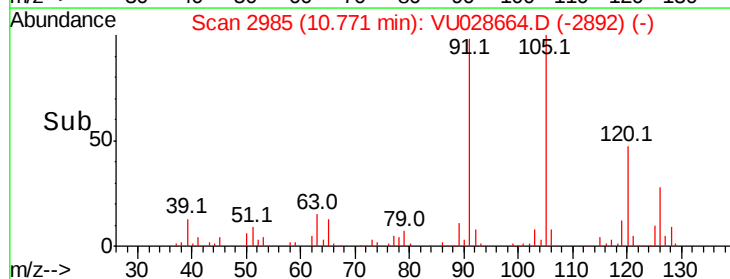
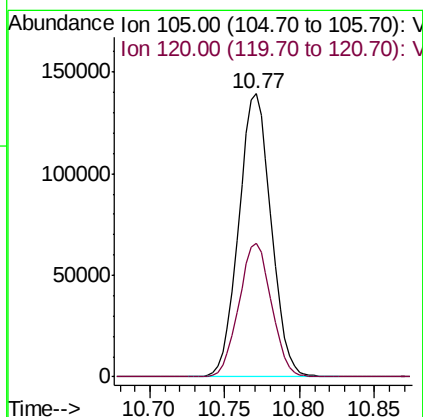
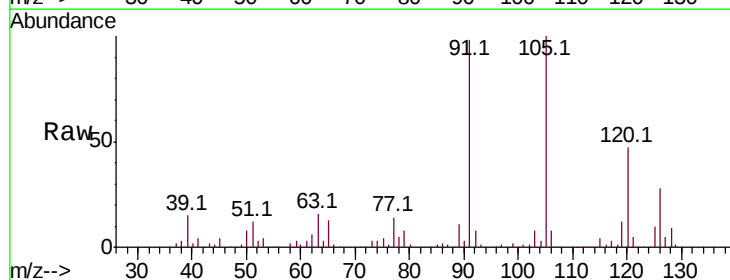
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

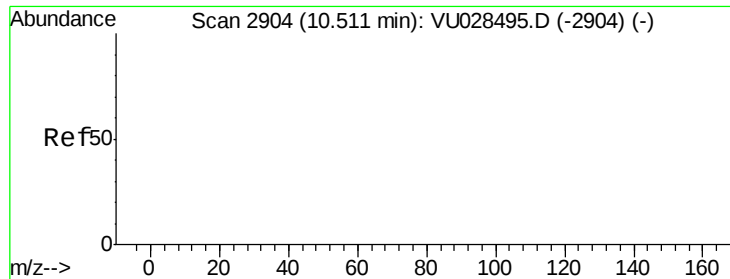
Tot Ion: 91 Resp: 181050
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.758 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion:105 Resp: 209898
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 181.795 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

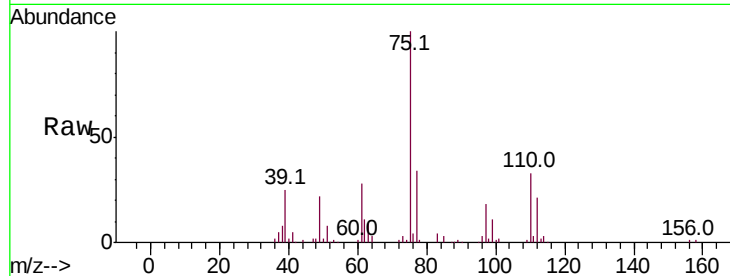
Tot Ion: 75 Resp: 123865

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

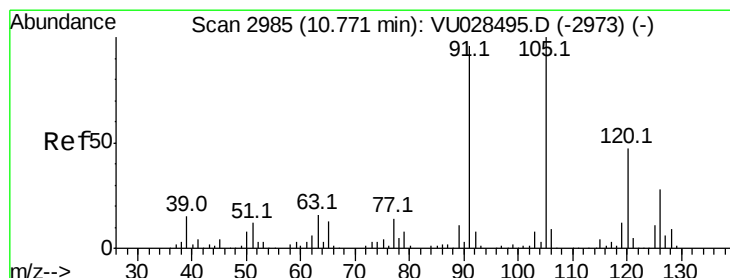
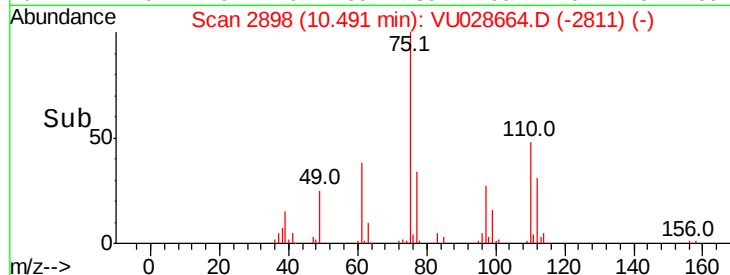
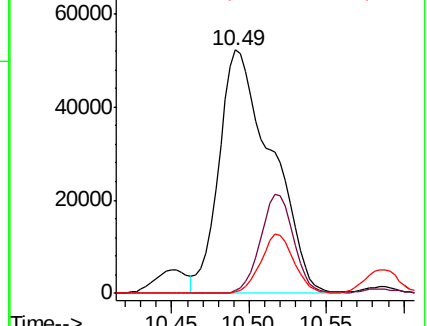
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 48.960 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028664.D

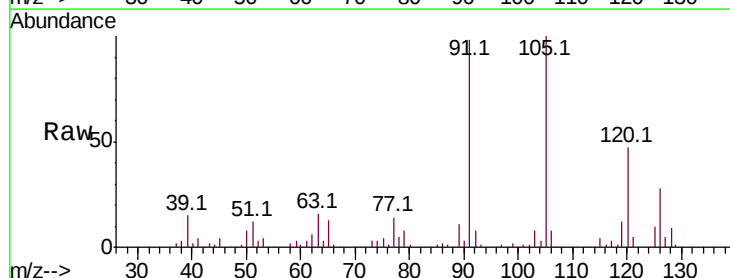
Acq: 12 Dec 2018 20:00

Tgt Ion: 91 Resp: 207457

Ion Ratio Lower Upper

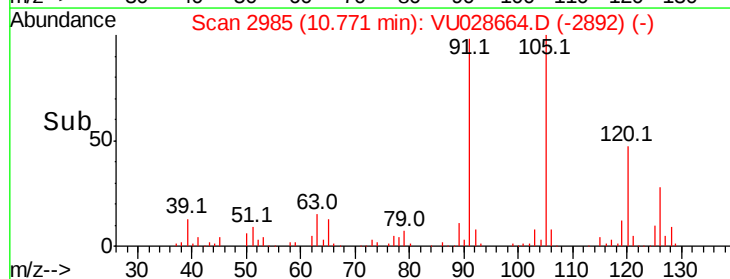
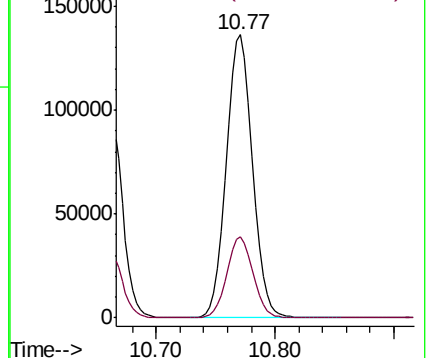
91 100

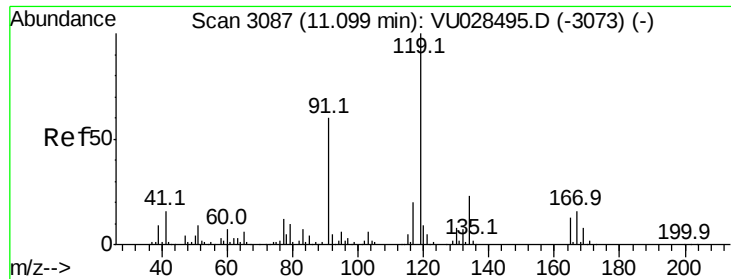
126 28.5 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

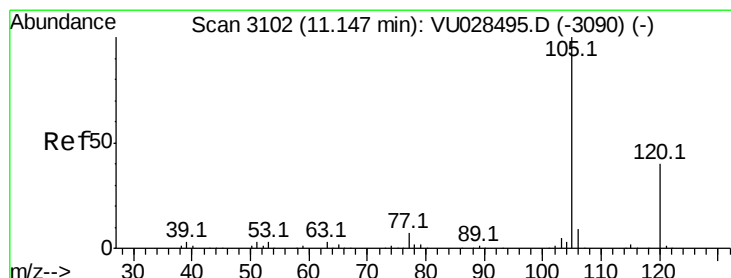
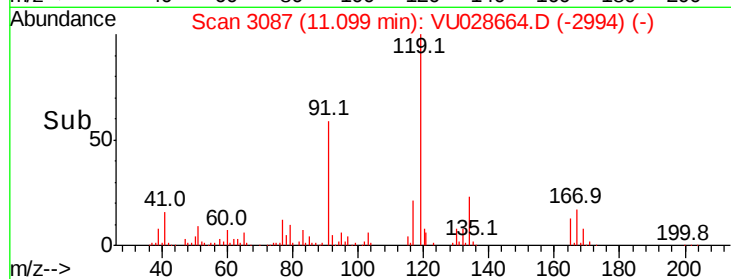
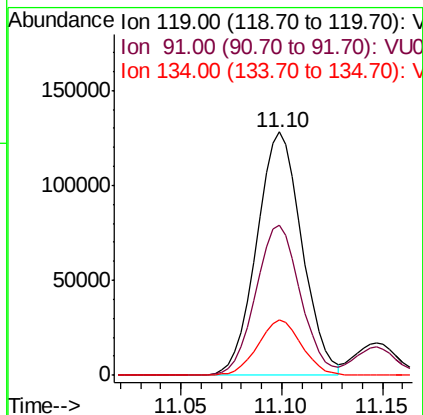
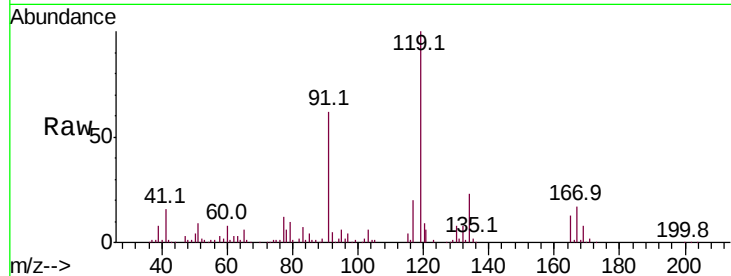




#83
tert-Butylbenzene
Concen: 50.265 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

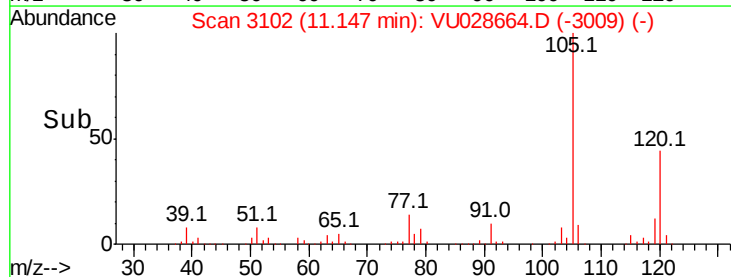
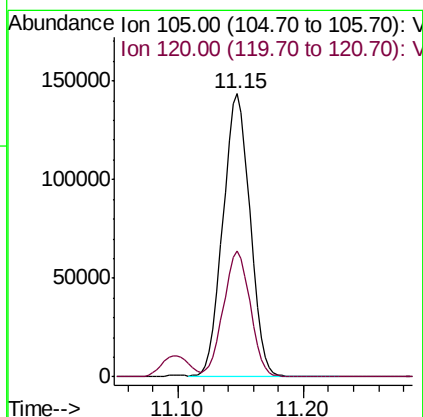
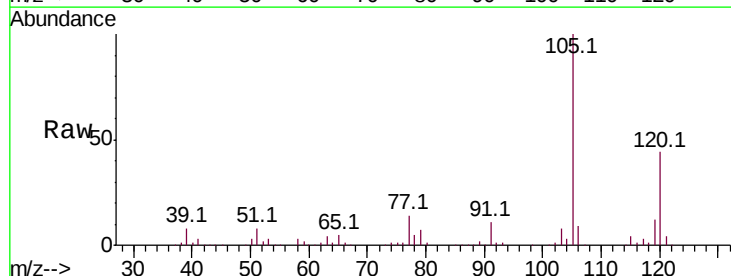
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

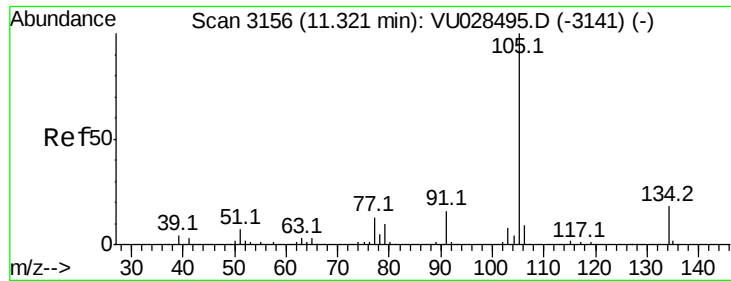
Tot Ion:119 Resp: 200348
Ion Ratio Lower Upper
119 100
91 61.3 30.3 91.0
134 22.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:105 Resp: 215472
Ion Ratio Lower Upper
105 100
120 44.0 21.8 65.4

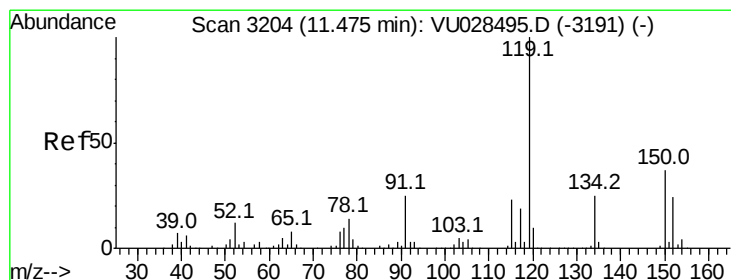
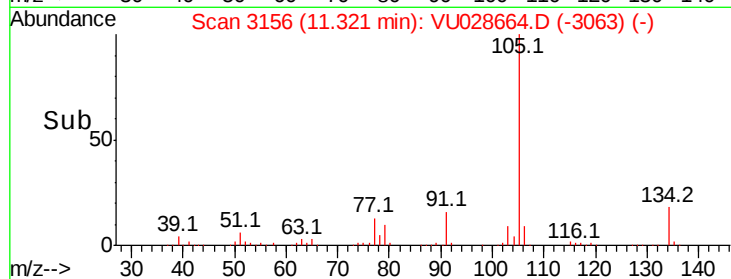
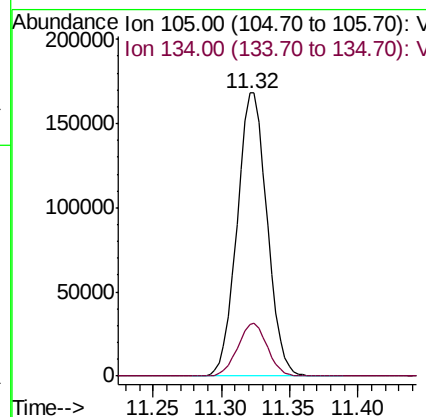
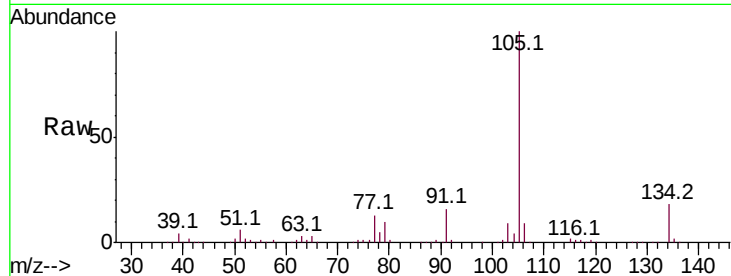




#85
 sec-Butylbenzene
 Concen: 50.039 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

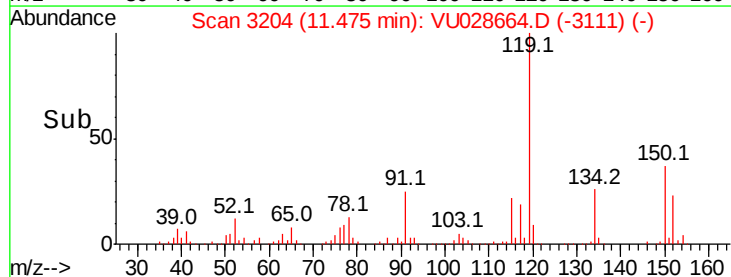
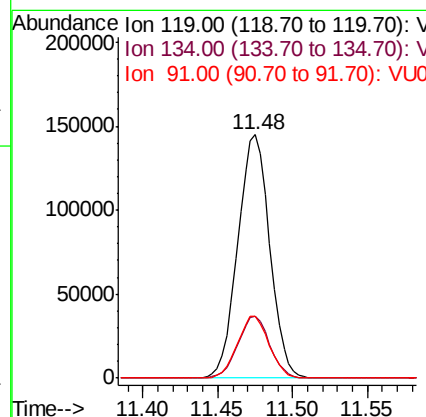
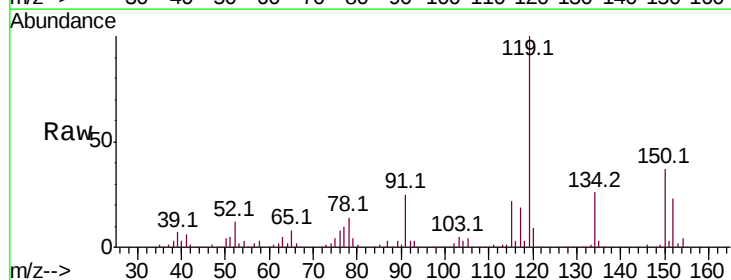
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

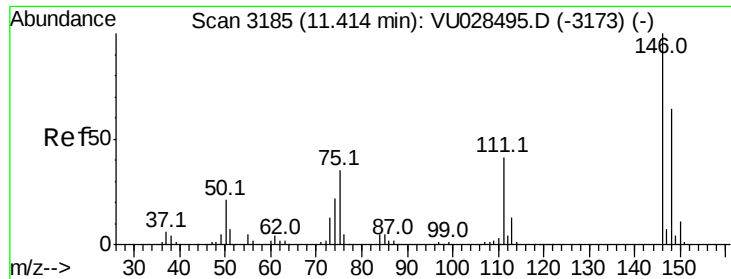
Tot Ion:105 Resp: 256222
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 49.510 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion:119 Resp: 215353
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 49.055 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

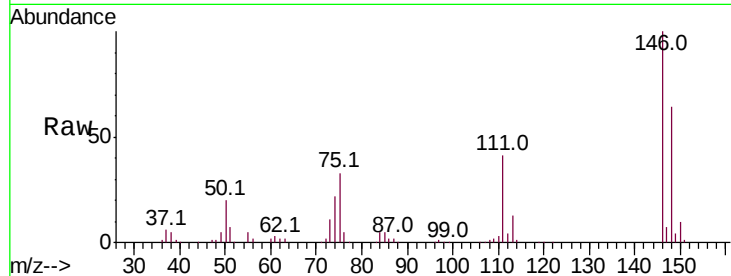
Tot Ion:146 Resp: 108224

Ion Ratio Lower Upper

146 100

111 40.9 20.7 62.1

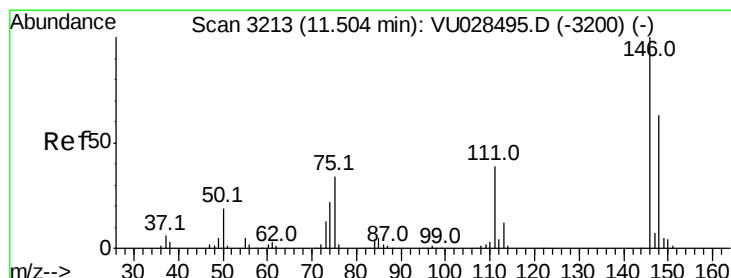
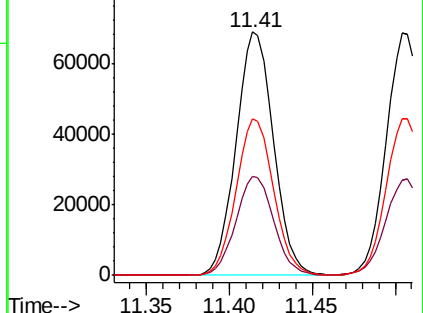
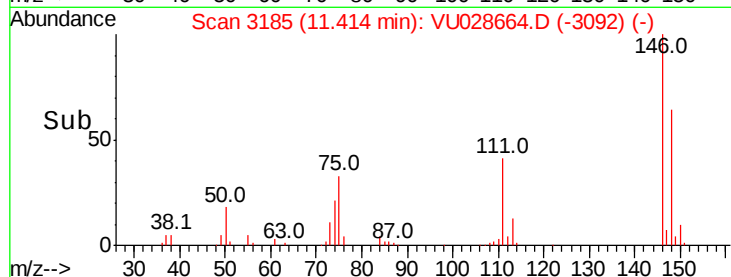
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.032 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

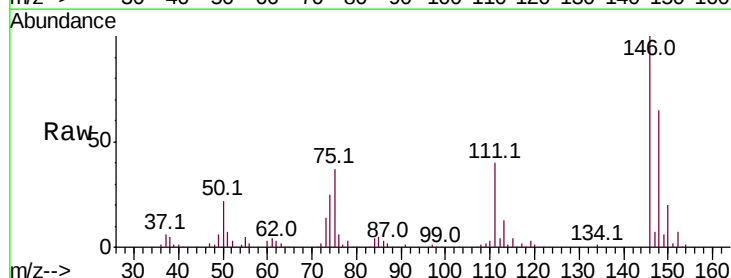
Tgt Ion:146 Resp: 107353

Ion Ratio Lower Upper

146 100

111 40.4 20.2 60.5

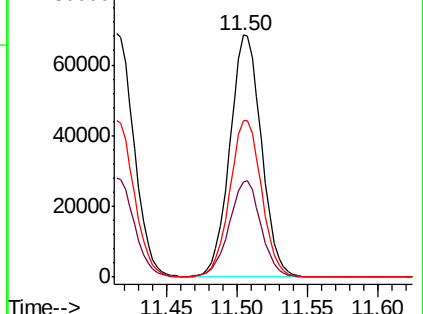
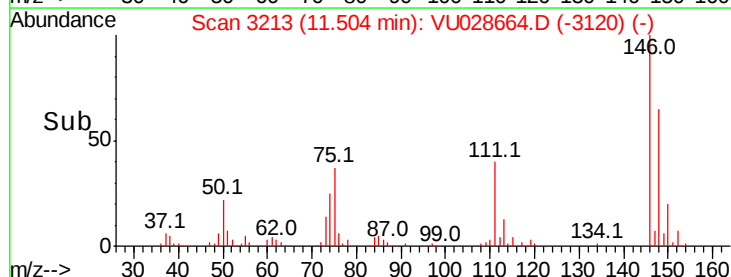
148 65.3 31.6 95.0

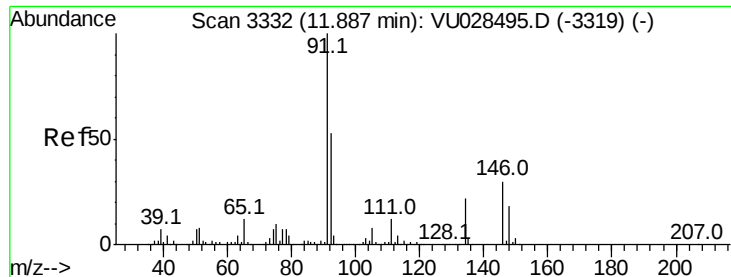


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

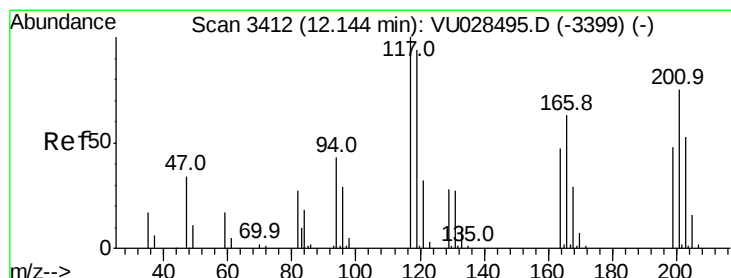
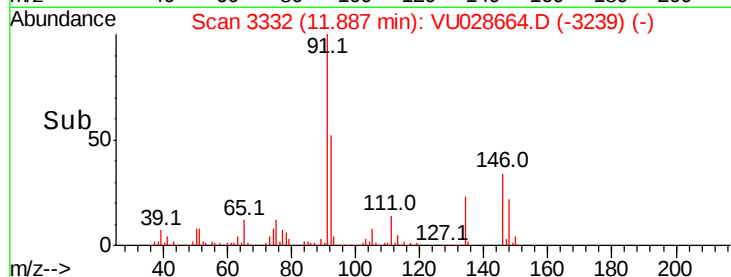
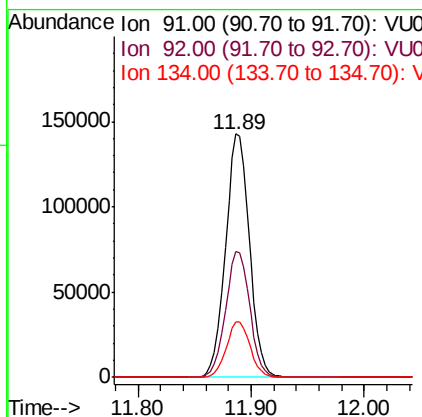
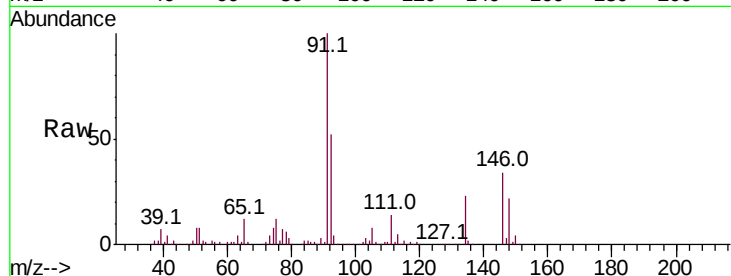




#89
n-Butylbenzene
Concen: 47.642 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

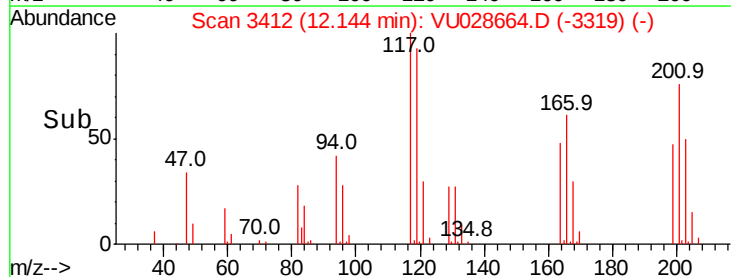
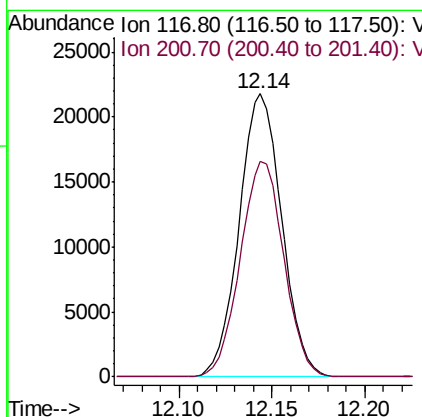
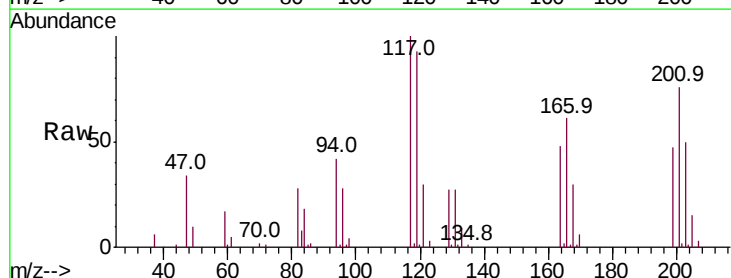
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

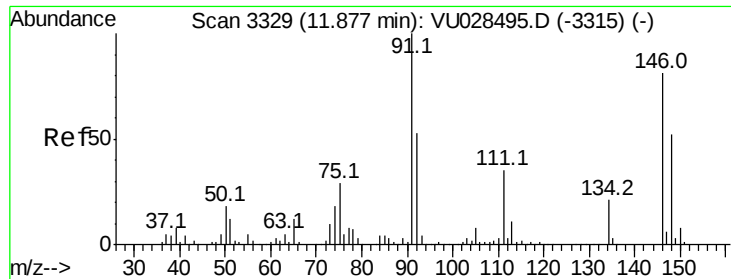
Tot Ion: 91 Resp: 209724
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 22.7 11.3 33.8



#90
Hexachloroethane
Concen: 52.989 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 117 Resp: 34837
Ion Ratio Lower Upper
117 100
201 77.8 38.1 114.5

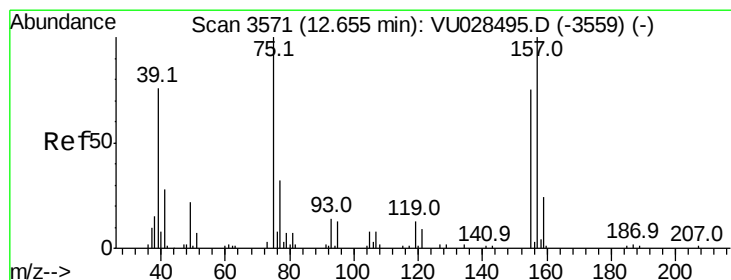
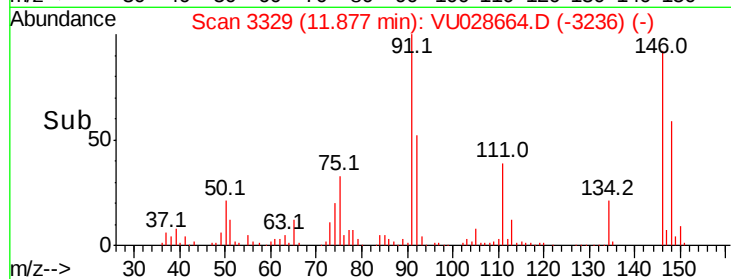
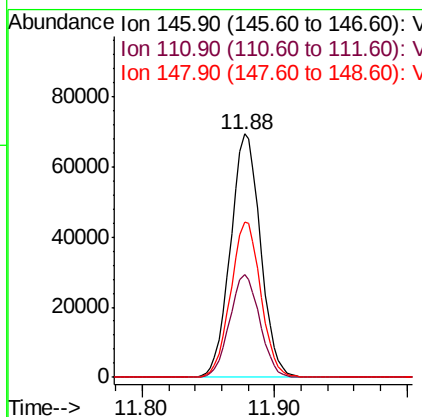
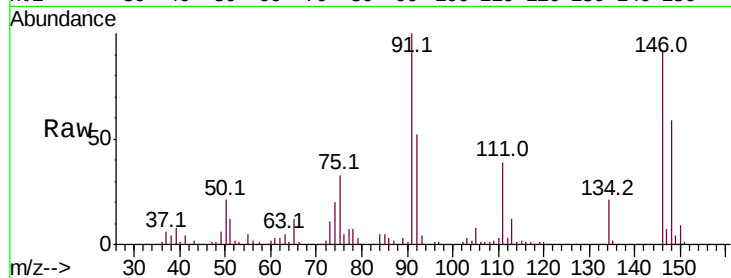




#91
 1,2-Dichlorobenzene
 Concen: 49.487 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

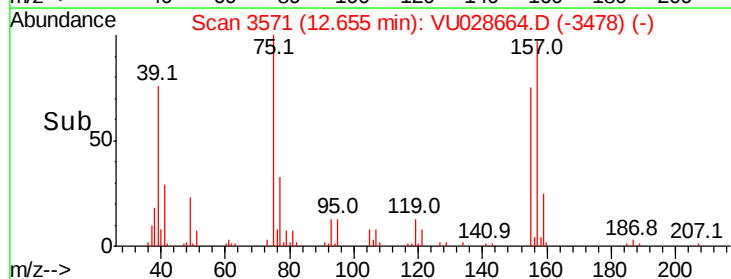
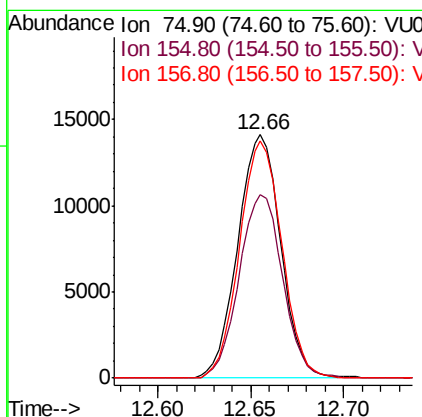
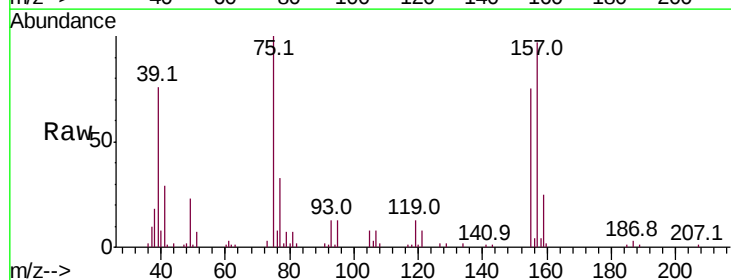
Instrument :
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 ClientSampleId :
 VSTDCCC050EC

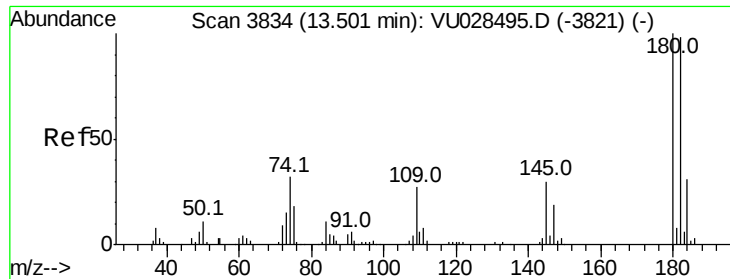
Tot Ion:146 Resp: 109206
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 64.0 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.873 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 75 Resp: 22798
 Ion Ratio Lower Upper
 75 100
 155 76.5 38.1 114.5
 157 96.1 48.7 146.1

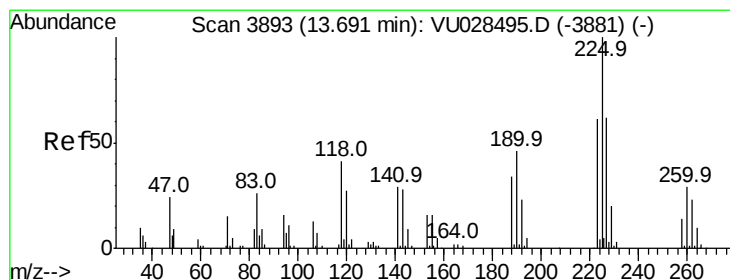
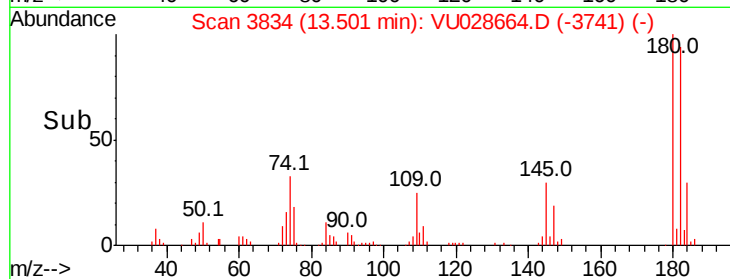
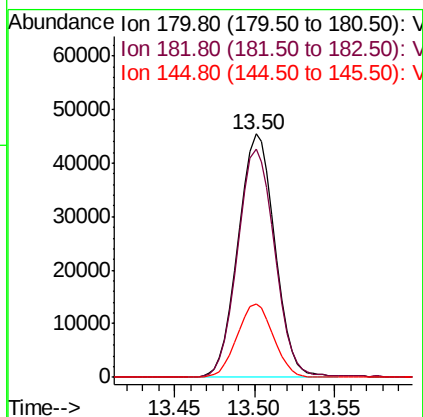
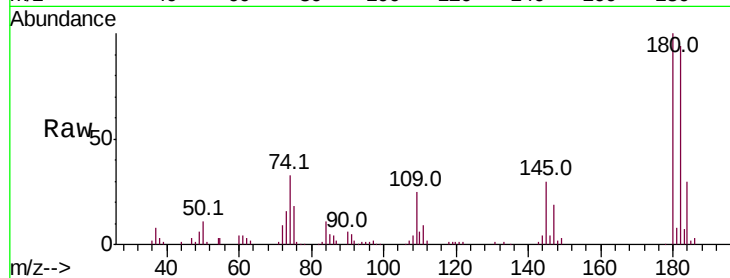




#93
 1,2,4-Trichlorobenzene
 Concen: 46.874 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

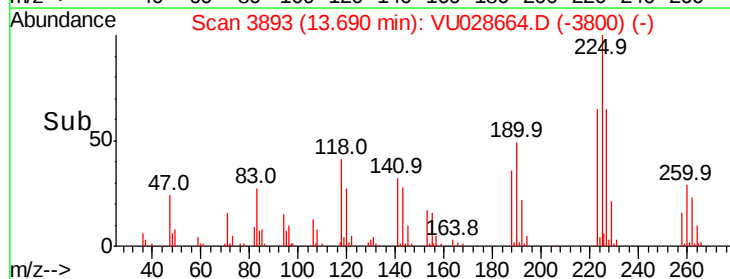
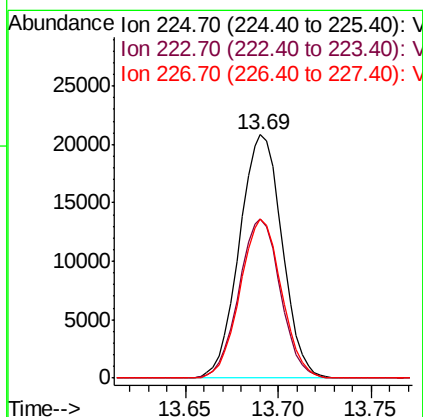
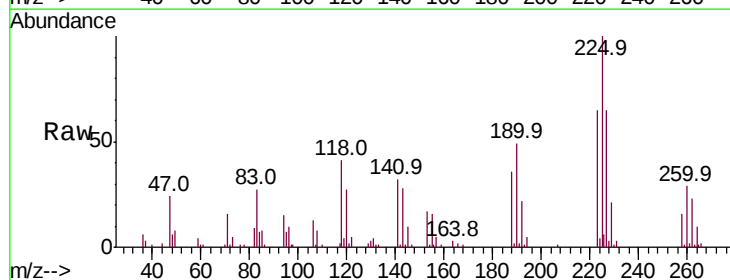
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

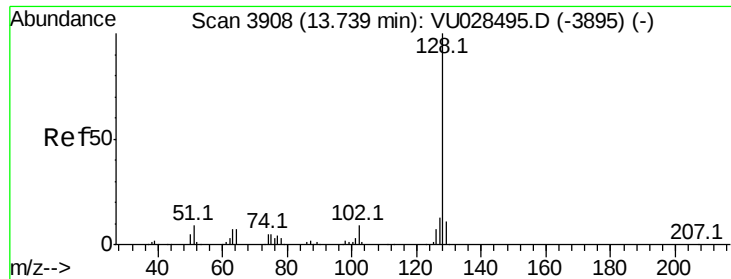
Tot Ion:180 Resp: 71000
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.8
 145 29.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 45.968 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion:225 Resp: 33229
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.4 91.2
 227 63.2 30.7 92.1

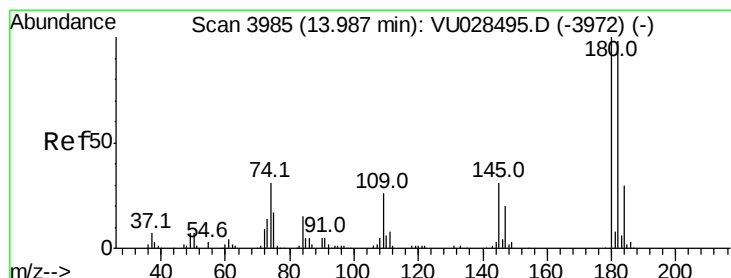
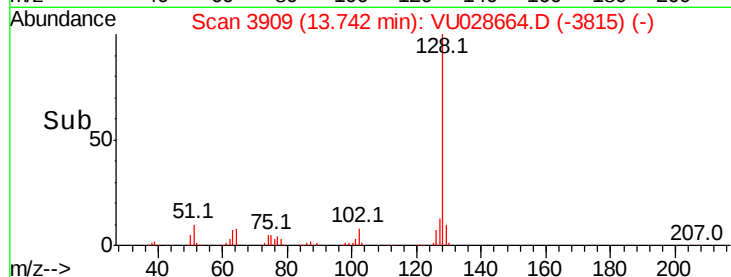
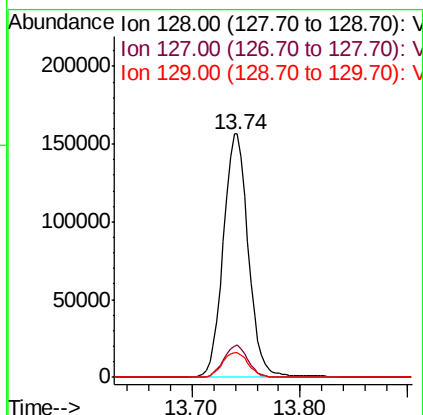
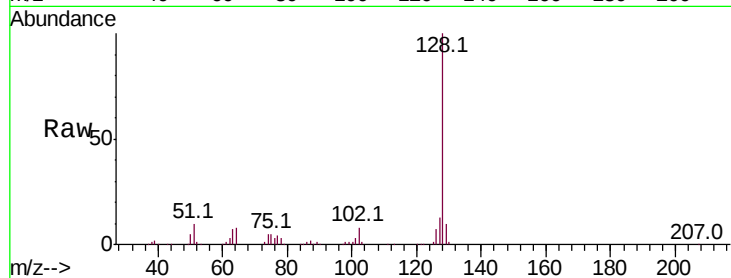




#95
Naphthalene
Concen: 47.920 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 253757
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.056 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:180 Resp: 74032
Ion Ratio Lower Upper
180 100
182 95.5 48.2 144.6
145 31.2 15.8 47.3

