

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122218\
 Data File : VU028930.D
 Acq On : 22 Dec 2018 21:27
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 24 04:49:33 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	173216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	283692	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	130270	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	103521	39.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.32%	
35) Dibromofluoromethane	4.88	113	90673	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	7.56	98	350591	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.30	95	131592	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	91950	39.604	ug/l	98
3) Chloromethane	1.33	50	128572	30.121	ug/l	98
4) Vinyl Chloride	1.40	62	127056	41.247	ug/l	99
5) Bromomethane	1.60	94	65559	52.834	ug/l	98
6) Chloroethane	1.68	64	73596	42.202	ug/l	99
7) Trichlorofluoromethane	1.88	101	142185	43.872	ug/l	99
8) Diethyl Ether	2.10	74	69666	45.945	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	2.28	101	89627	46.240	ug/l	93
10) Methyl Iodide	2.40	142	100309	65.955	ug/l	94
11) Tert butyl alcohol	2.83	59	125971	213.896	ug/l	99
12) 1,1-Dichloroethene	2.28	96	91916	47.661	ug/l	83
13) Acrolein	2.19	56	93368	198.869	ug/l	98
14) Allyl chloride	2.59	41	157998	34.631	ug/l	91
15) Acrylonitrile	2.93	53	316464	193.547	ug/l	98
16) Acetone	2.32	43	229841	133.246	ug/l	91
17) Carbon Disulfide	2.47	76	278265	40.052	ug/l	100
18) Methyl Acetate	2.61	43	161389	36.093	ug/l #	87
19) Methyl tert-butyl Ether	3.00	73	319810	43.744	ug/l	95
20) Methylene Chloride	2.70	84	108949	42.846	ug/l #	80
21) trans-1,2-Dichloroethene	2.98	96	98064	45.162	ug/l	87
22) Diisopropyl ether	3.57	45	307592	34.669	ug/l #	92
23) Vinyl Acetate	3.52	43	1233362	168.534	ug/l #	92
24) 1,1-Dichloroethane	3.44	63	183642	39.542	ug/l	97
25) 2-Butanone	4.26	43	381580	161.872	ug/l #	88
26) 2,2-Dichloropropane	4.22	77	136532	37.102	ug/l	94
27) cis-1,2-Dichloroethene	4.22	96	113899	46.344	ug/l	86
28) Bromochloromethane	4.55	49	71781	33.999	ug/l #	66
29) Tetrahydrofuran	4.64	42	256351	169.326	ug/l #	80
30) Chloroform	4.67	83	177754	43.914	ug/l	98
31) Cyclohexane	4.99	56	171273	37.492	ug/l	89
32) 1,1,1-Trichloroethane	4.91	97	146405	43.550	ug/l	94
36) 1,1-Dichloropropene	5.13	75	137329	44.237	ug/l	95
37) Ethyl Acetate	4.38	43	147390	36.727	ug/l #	92
38) Carbon Tetrachloride	5.13	117	117071	46.788	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	169480	44.749	ug/l	88
40) Benzene	5.39	78	432526	47.306	ug/l	98
41) Methacrylonitrile	4.54	41	80927	36.823	ug/l #	88
42) 1,2-Dichloroethane	5.40	62	133432	41.692	ug/l	96
43) Isopropyl Acetate	5.55	43	237390	37.399	ug/l #	91
44) Trichloroethene	6.18	130	108994	53.613	ug/l	90
45) 1,2-Dichloropropane	6.43	63	113605	44.185	ug/l	96
46) Dibromomethane	6.56	93	73513	48.189	ug/l	91
47) Bromodichloromethane	6.76	83	133875	45.097	ug/l	99
48) Methyl methacrylate	6.62	41	117607	37.257	ug/l #	83
49) 1,4-Dioxane	6.61	88	56483	1133.242	ug/l #	87
51) 4-Methyl-2-Pentanone	7.46	43	743182	185.637	ug/l	89
52) Toluene	7.64	92	272801	50.698	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	159570	45.133	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	174122	45.394	ug/l #	88
55) 1,1,2-Trichloroethane	8.06	97	107218	50.407	ug/l	98
56) Ethyl methacrylate	8.02	69	172679	47.407	ug/l #	83
57) 1,3-Dichloropropane	8.24	76	182007	46.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	369980	198.309	ug/l #	90
59) 2-Hexanone	8.36	43	574177	180.949	ug/l	86
60) Dibromochloromethane	8.48	129	101317	48.652	ug/l	100
61) 1,2-Dibromoethane	8.58	107	116404	52.186	ug/l	99
64) Tetrachloroethene	8.22	164	96941	55.878	ug/l	98
65) Chlorobenzene	9.12	112	291820	52.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	95460	53.938	ug/l	100
67) Ethyl Benzene	9.25	91	512534	50.306	ug/l	98
68) m/p-Xylenes	9.37	106	396010	106.819	ug/l	95
69) o-Xylene	9.78	106	192882	53.537	ug/l	93
70) Styrene	9.79	104	317400	53.235	ug/l	96
71) Bromoform	9.96	173	80877	53.719	ug/l #	98
73) Isopropylbenzene	10.16	105	502280	50.248	ug/l	99
74) N-amyl acetate	10.01	43	211803	36.733	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.46	83	183360	47.751	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	212694	63.940	ug/l	82
77) Bromobenzene	10.45	156	129571	55.424	ug/l	86
78) n-propylbenzene	10.58	91	592676	47.715	ug/l	97
79) 2-Chlorotoluene	10.66	91	349421	48.837	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	424471	51.299	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	212694	156.084	ug/l #	100
82) 4-Chlorotoluene	10.77	91	397403	46.871	ug/l	95
83) tert-Butylbenzene	11.10	119	408105	51.170	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	445091	52.195	ug/l	96
85) sec-Butylbenzene	11.32	105	498764	48.680	ug/l	97
86) p-Isopropyltoluene	11.48	119	431486	49.576	ug/l	96
87) 1,3-Dichlorobenzene	11.41	146	232165	52.592	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	230151	50.392	ug/l	97
89) n-Butylbenzene	11.89	91	387355	43.976	ug/l	97
90) Hexachloroethane	12.14	117	60521	46.006	ug/l	89
91) 1,2-Dichlorobenzene	11.88	146	232773	52.715	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	37936	45.633	ug/l	80

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Quant Title : SW846 8260
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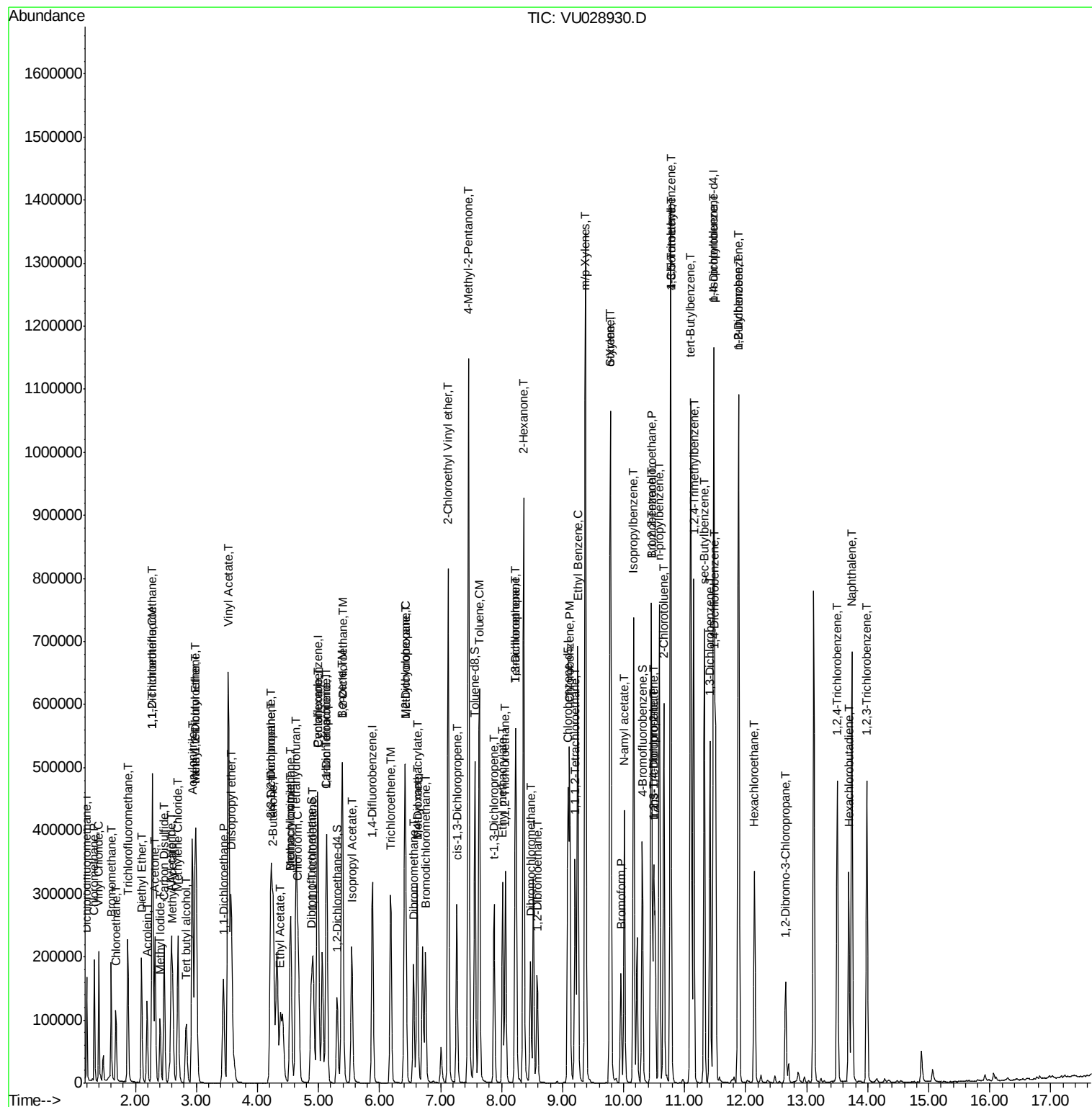
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	155568	51.249	ug/l	99
94) Hexachlorobutadiene	13.69	225	66015	45.640	ug/l	96
95) Naphthalene	13.74	128	560802	52.926	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	158317	52.418	ug/l	100

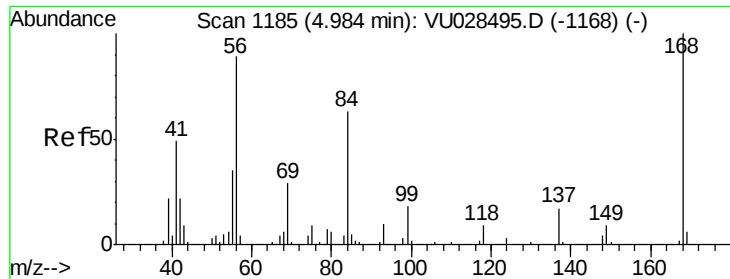
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

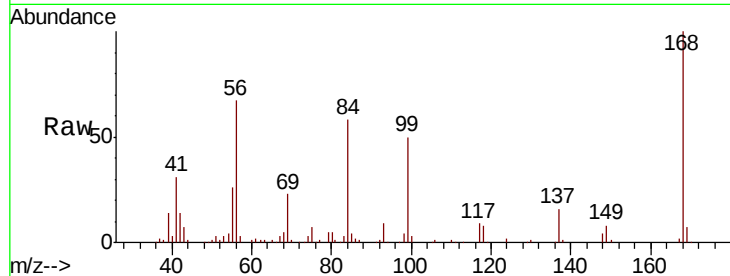
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 173216

Ion Ratio Lower Upper

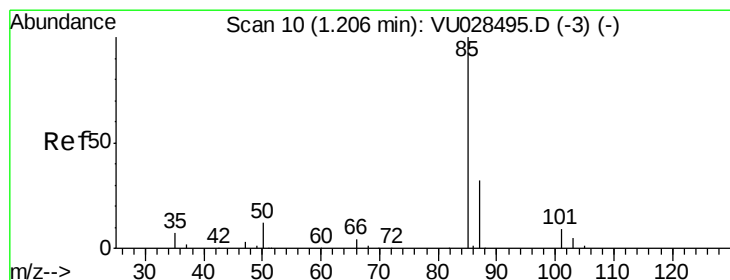
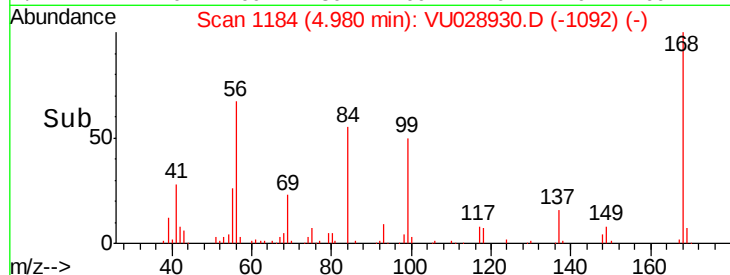
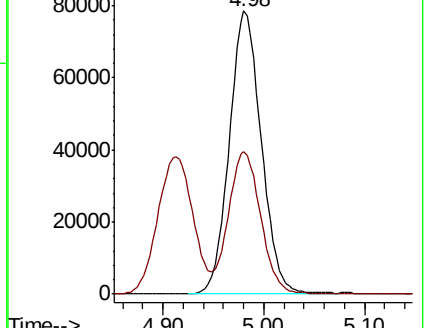
168 100

99 50.2 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 39.604 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028930.D

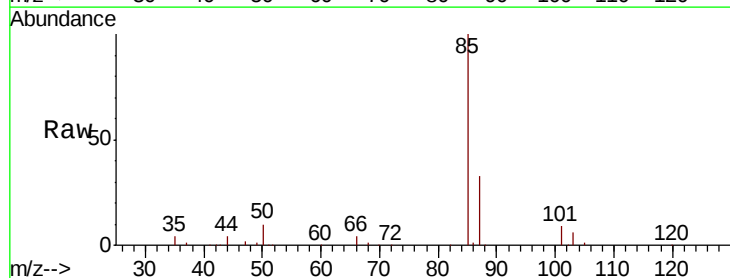
Acq: 22 Dec 2018 21:27

Tgt Ion: 85 Resp: 91950

Ion Ratio Lower Upper

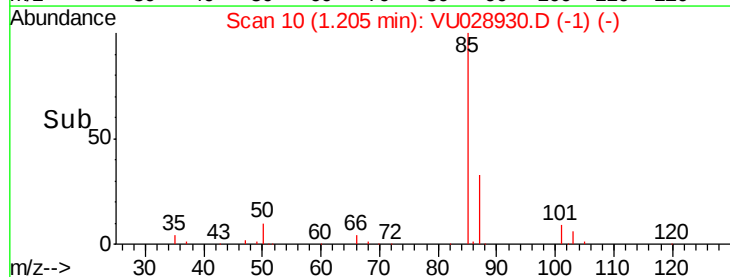
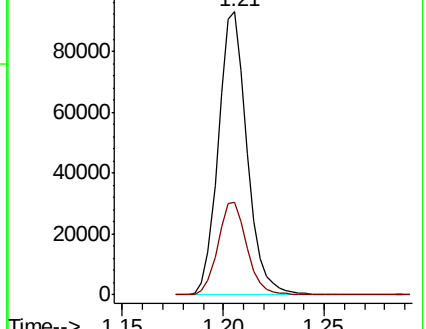
85 100

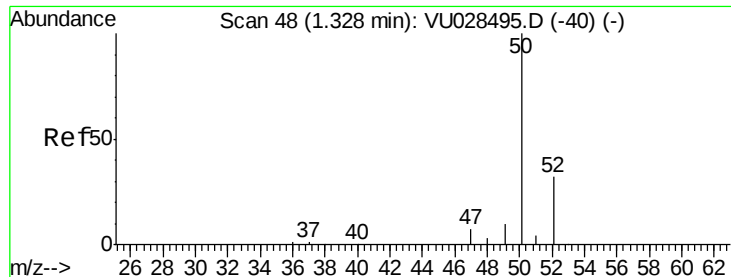
87 32.8 15.9 47.6



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

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 30.121 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

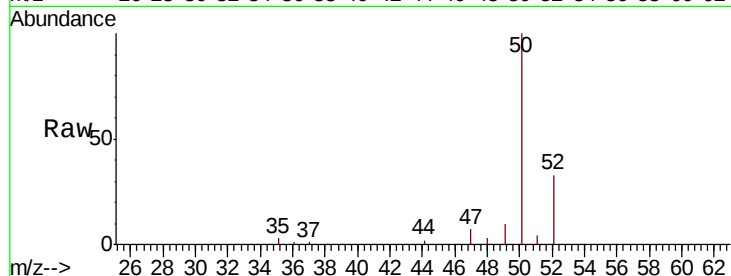
VSTDCCC050EC

Tgt Ion: 50 Resp: 128572

Ion Ratio Lower Upper

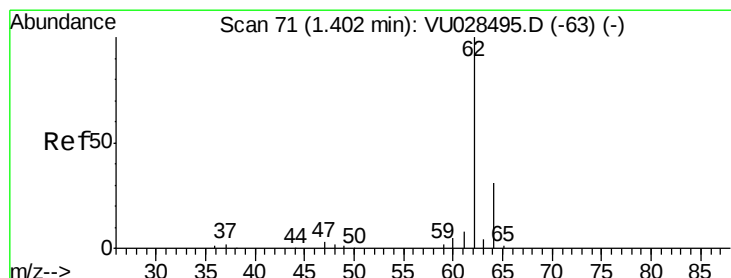
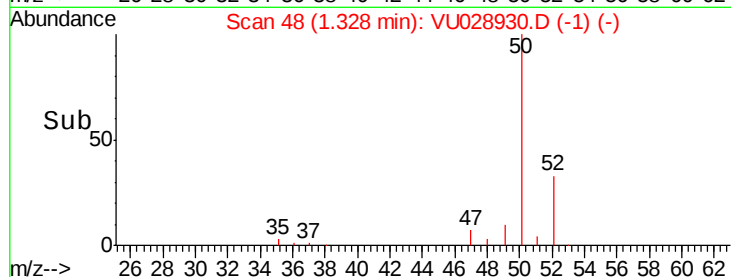
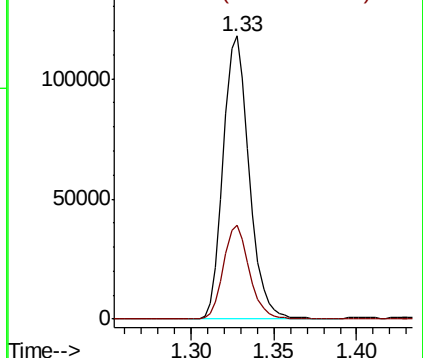
50 100

52 33.0 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: 41.247 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028930.D

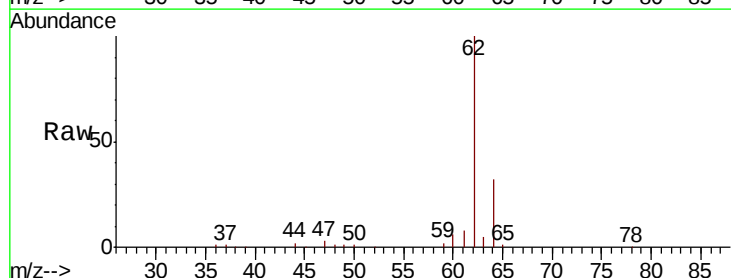
Acq: 22 Dec 2018 21:27

Tgt Ion: 62 Resp: 127056

Ion Ratio Lower Upper

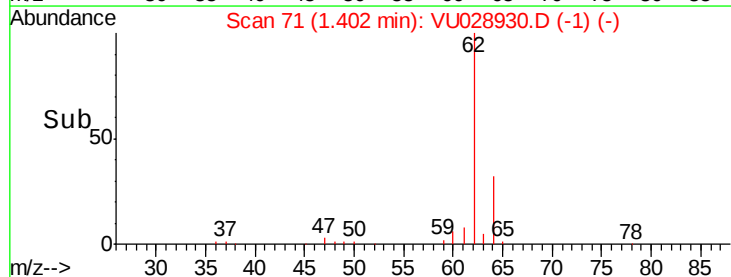
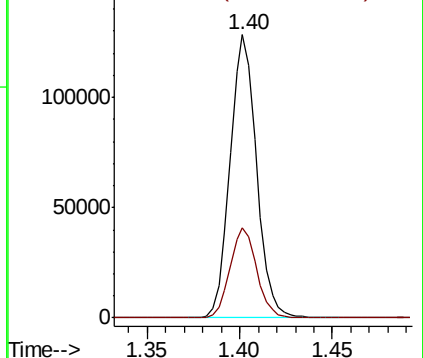
62 100

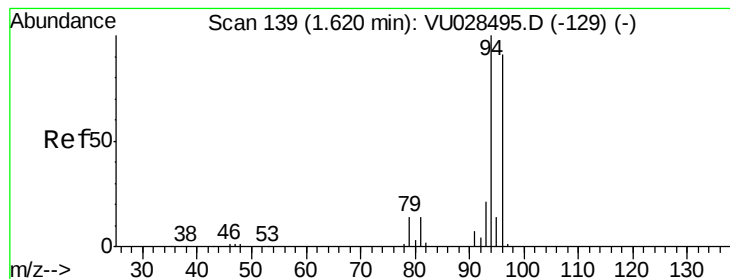
64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.834 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

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ClientSampleId :

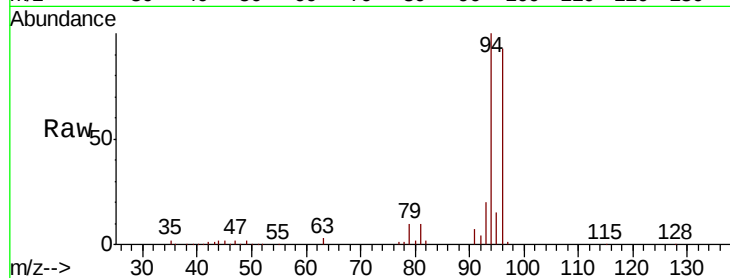
VSTDCCC050EC

Tgt Ion: 94 Resp: 65559

Ion Ratio Lower Upper

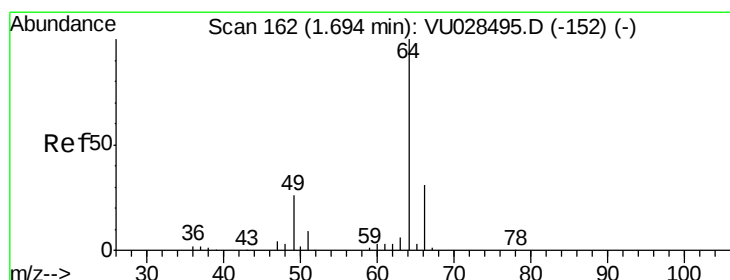
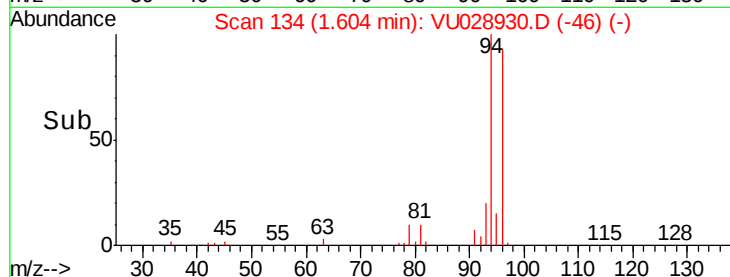
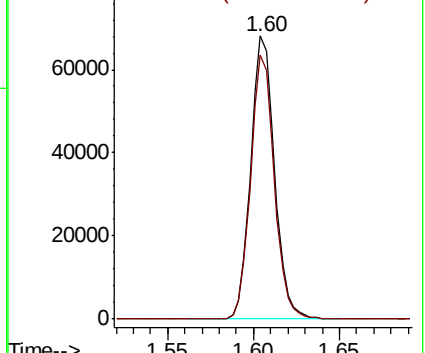
94 100

96 93.3 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 42.202 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028930.D

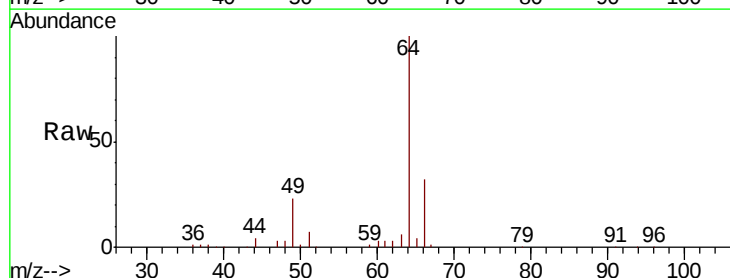
Acq: 22 Dec 2018 21:27

Tgt Ion: 64 Resp: 73596

Ion Ratio Lower Upper

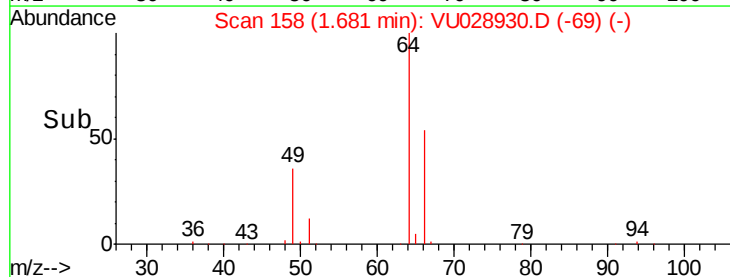
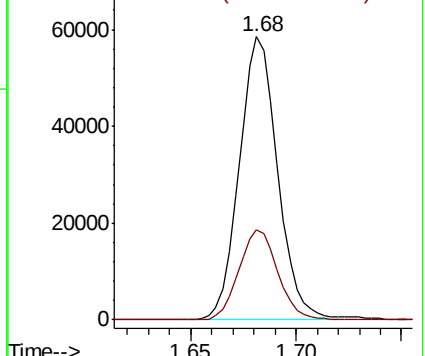
64 100

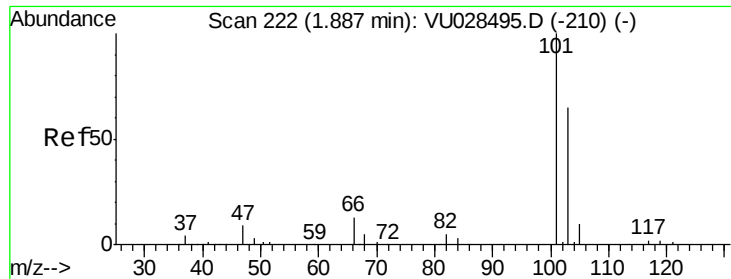
66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



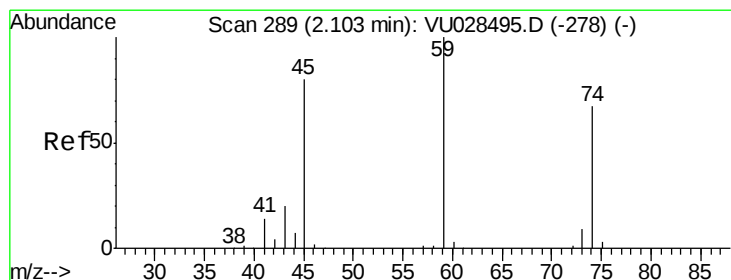
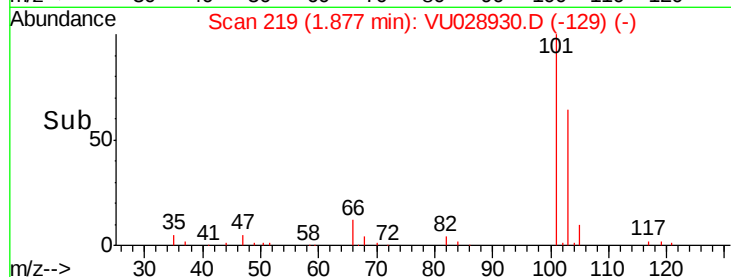
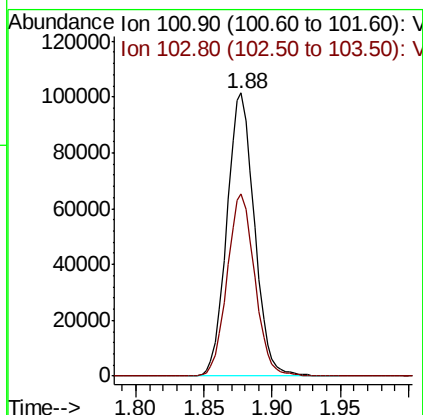
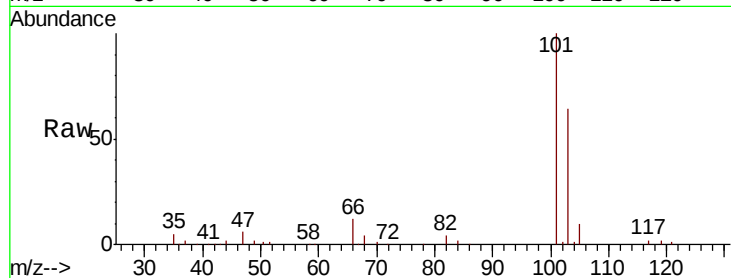


#7

Trichlorofluoromethane
 Concen: 43.872 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028930.D
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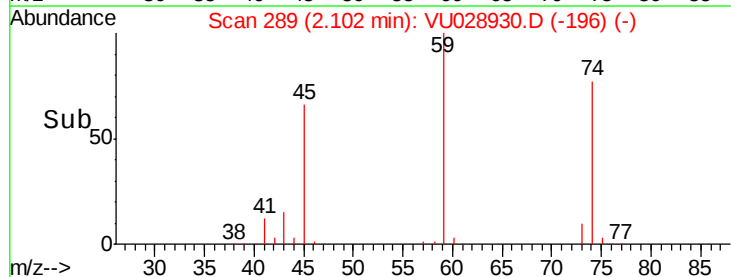
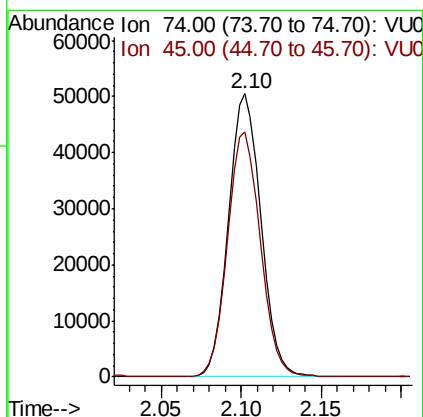
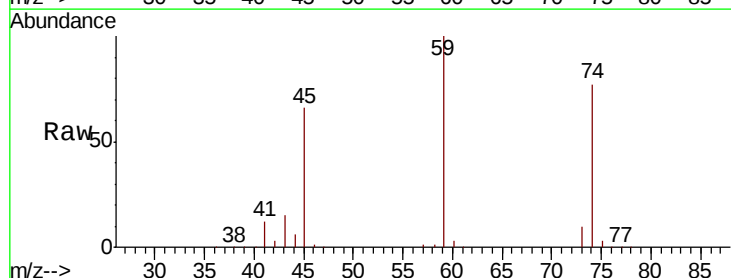
Tgt Ion: 101 Resp: 142185
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

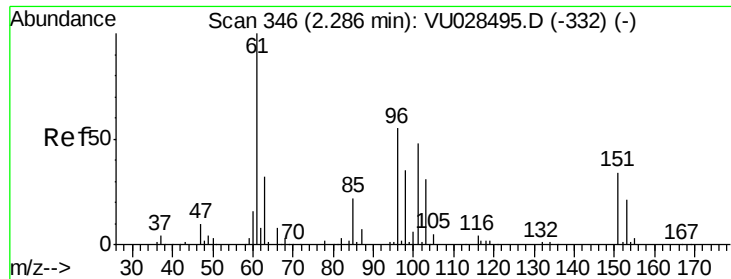


#8

Diethyl Ether
 Concen: 45.945 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 74 Resp: 69666
 Ion Ratio Lower Upper
 74 100
 45 87.9 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.240 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

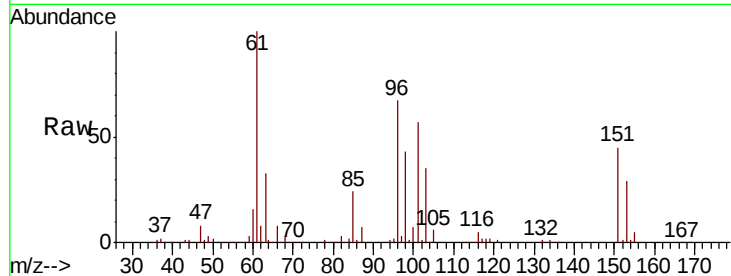
Tgt Ion:101 Resp: 89627

Ion Ratio Lower Upper

101 100

85 42.4 36.4 54.6

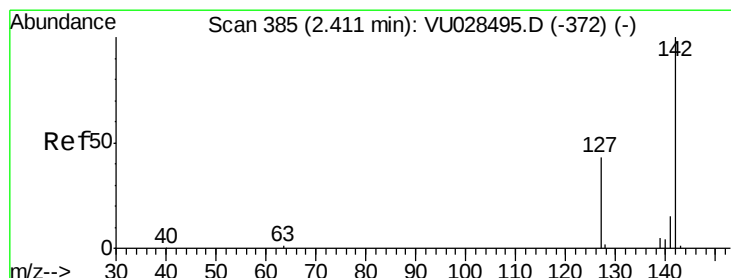
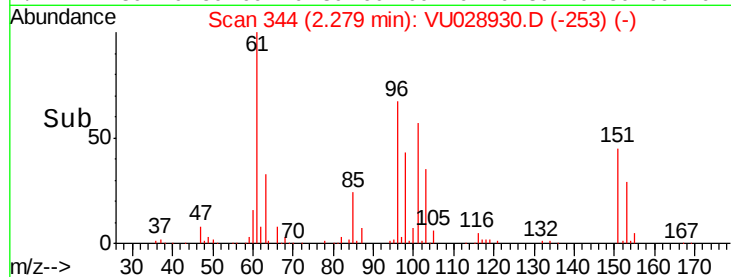
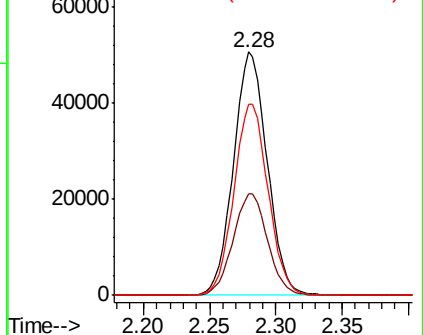
151 79.5 58.2 87.2



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: 65.955 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

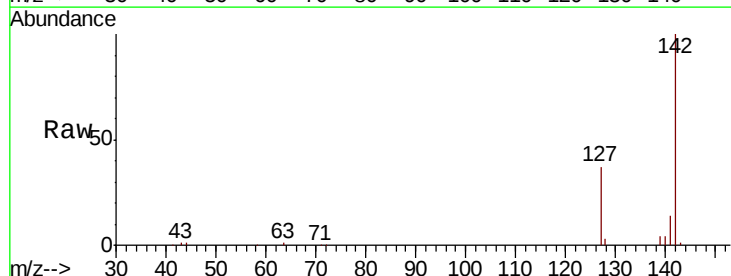
Tgt Ion:142 Resp: 100309

Ion Ratio Lower Upper

142 100

127 36.7 33.5 50.3

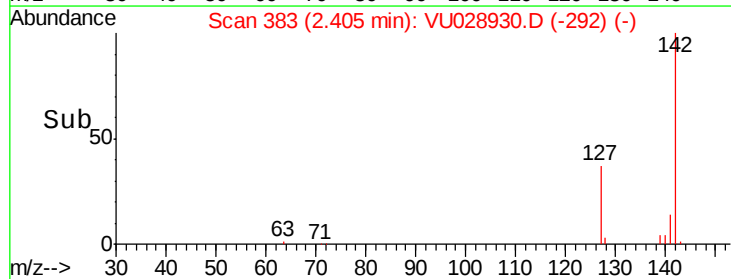
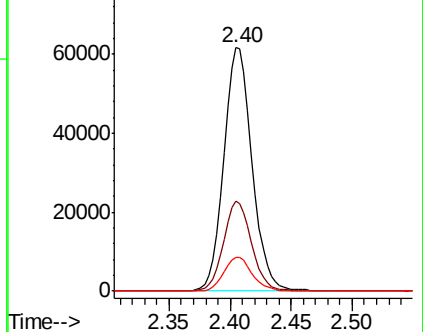
141 13.9 11.2 16.8

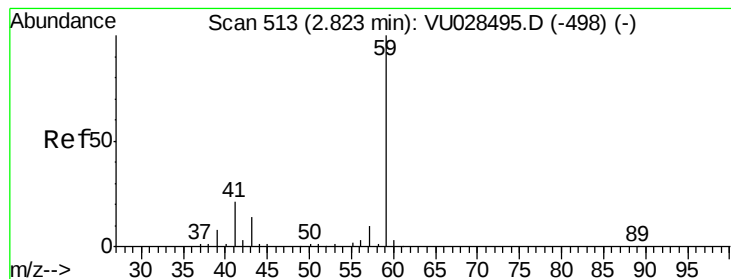


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



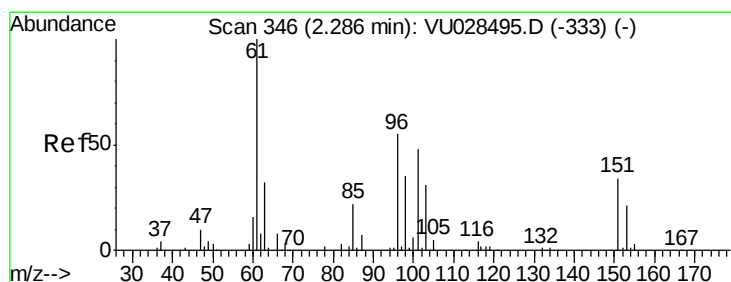
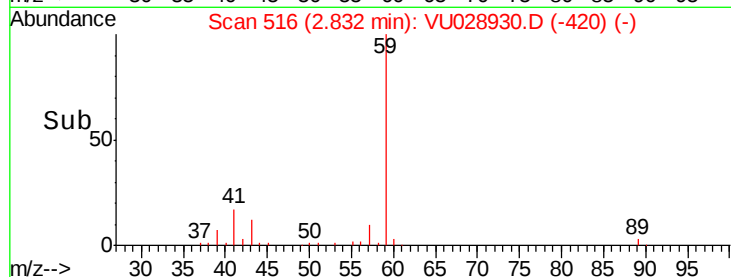
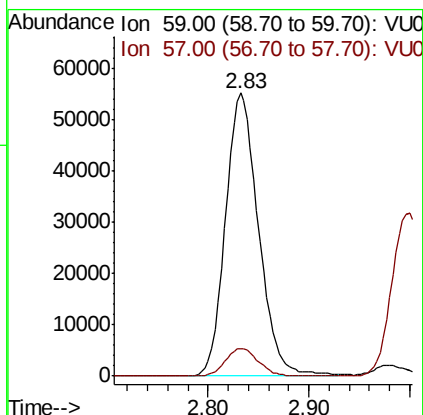
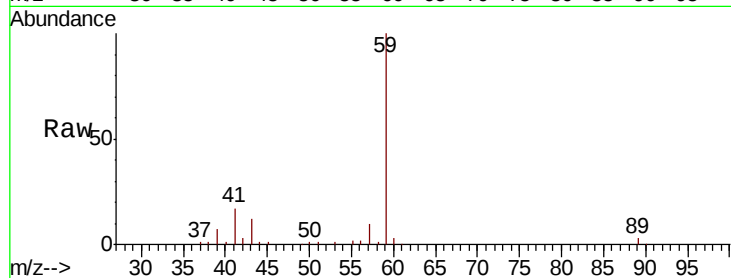


#11

Tert butyl alcohol
 Concen: 213.896 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

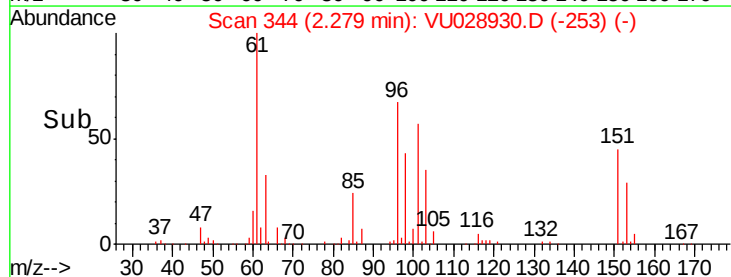
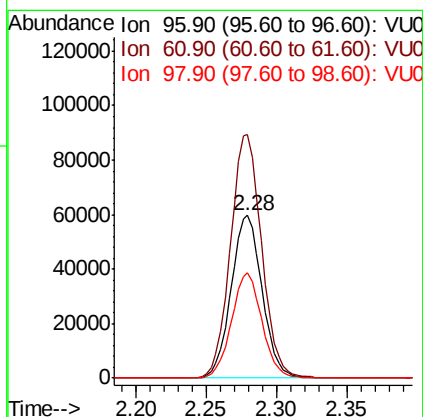
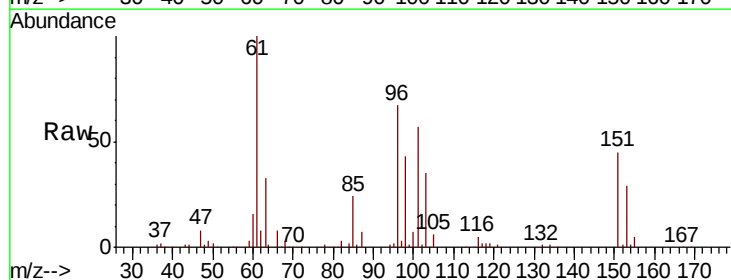
Tgt Ion: 59 Resp: 125971
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

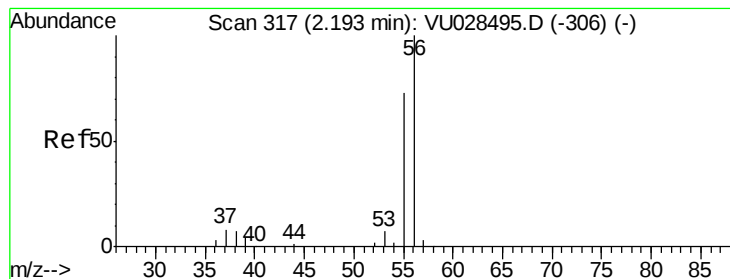


#12

1,1-Dichloroethene
 Concen: 47.661 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 96 Resp: 91916
 Ion Ratio Lower Upper
 96 100
 61 150.0 146.4 219.6
 98 64.6 51.8 77.8





#13

Acrolein

Concen: 198.869 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

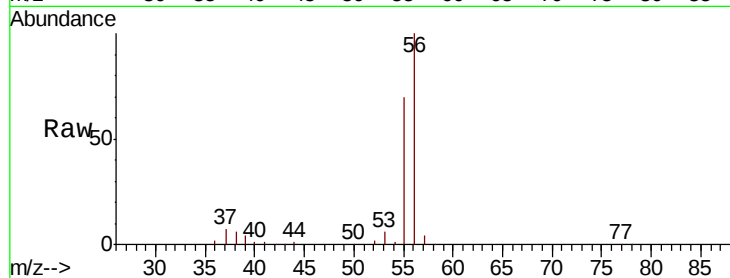
VSTDCCC050EC

Tgt Ion: 56 Resp: 93368

Ion Ratio Lower Upper

56 100

55 70.0 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

60000

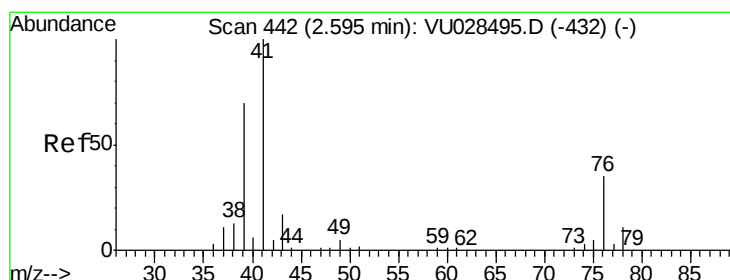
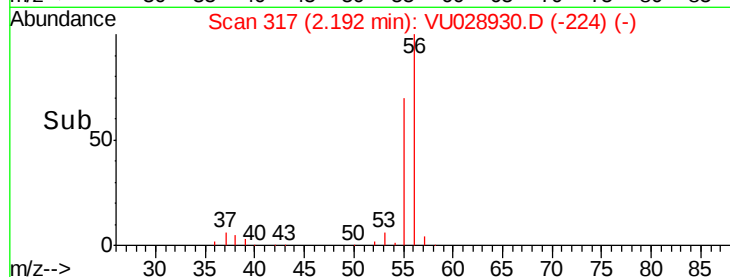
40000

20000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 34.631 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

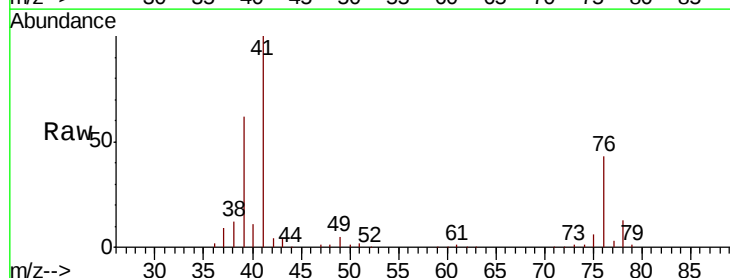
Tgt Ion: 41 Resp: 157998

Ion Ratio Lower Upper

41 100

39 57.0 50.8 76.2

76 37.2 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) (-)

200000

150000

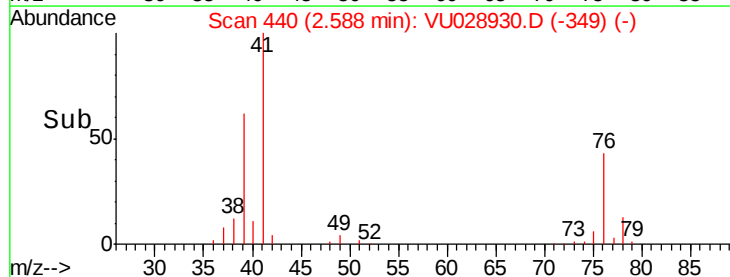
100000

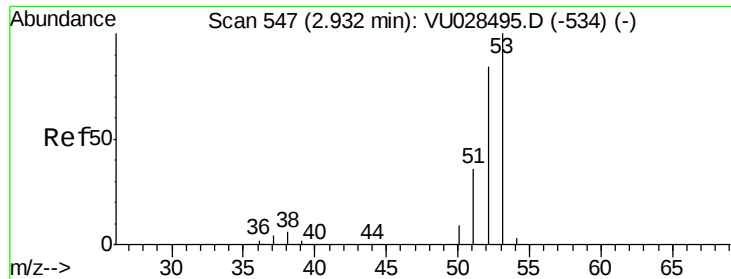
50000

0

Time-->

2.50 2.55 2.60 2.70





#15

Acrylonitrile

Concen: 193.547 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

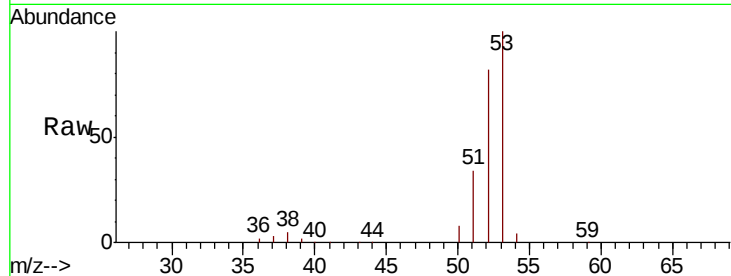
Tgt Ion: 53 Resp: 316464

Ion Ratio Lower Upper

53 100

52 81.0 66.1 99.1

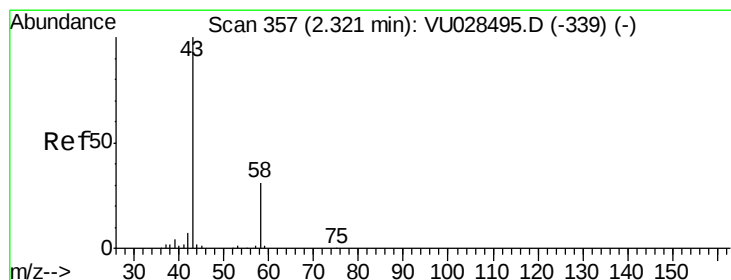
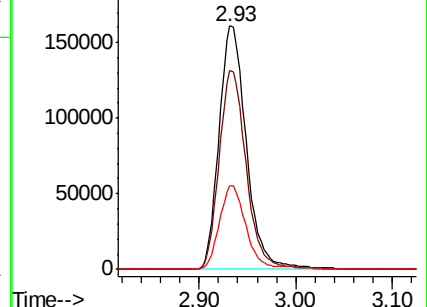
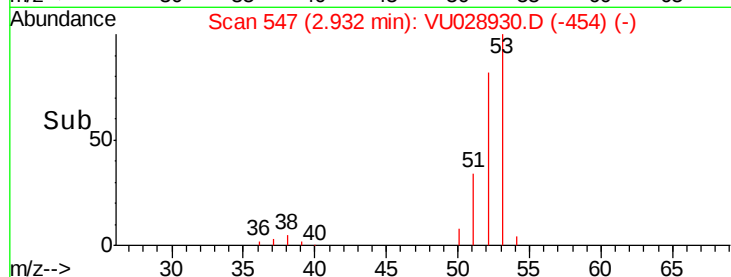
51 34.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU028495.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU028495.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU028495.D (-534) (-)



#16

Acetone

Concen: 133.246 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028930.D

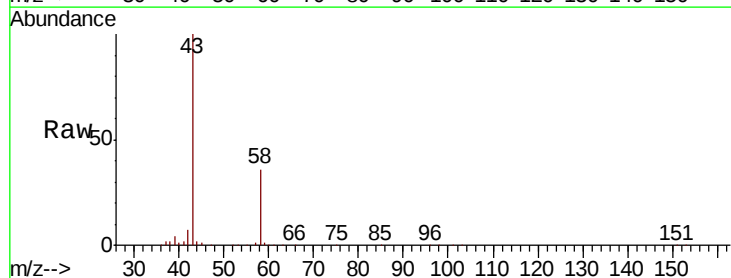
Acq: 22 Dec 2018 21:27

Tgt Ion: 43 Resp: 229841

Ion Ratio Lower Upper

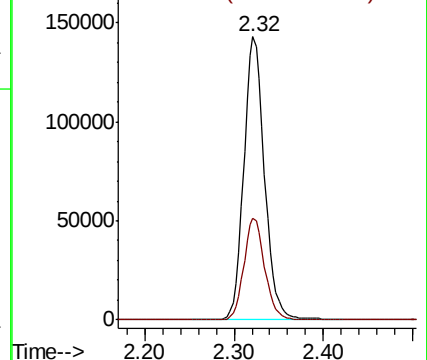
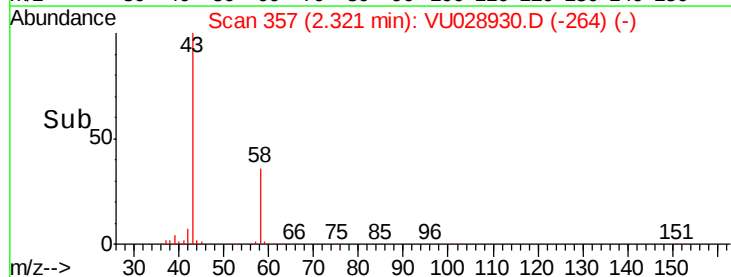
43 100

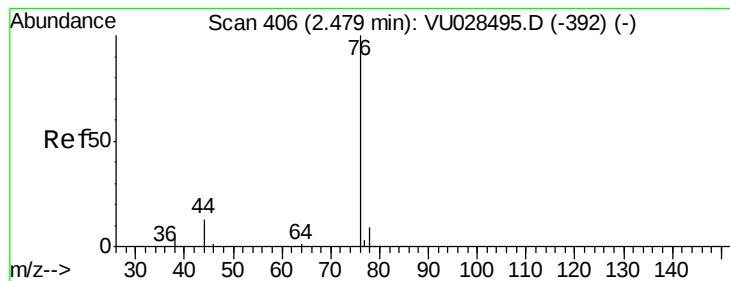
58 35.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)





#17

Carbon Disulfide

Concen: 40.052 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

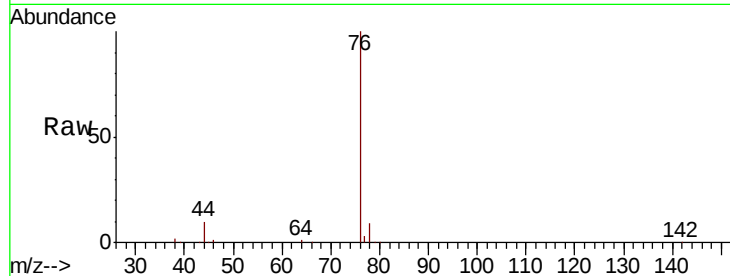
VSTDCCC050EC

Tgt Ion: 76 Resp: 278265

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



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

Ion 77.90 (77.60 to 78.60): VU028930.D (-313) (-)

2.47

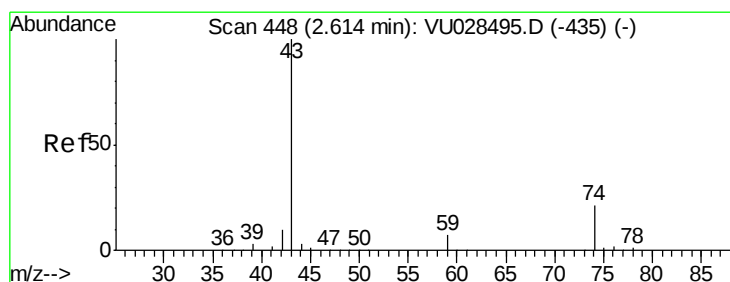
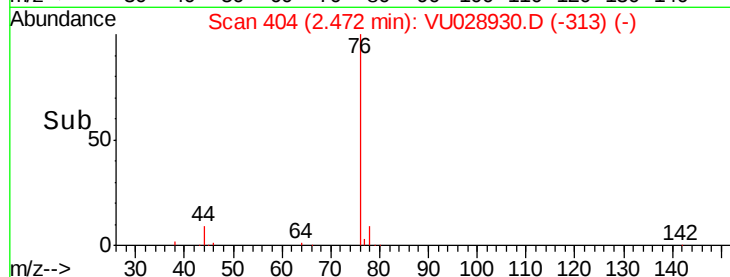
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 36.093 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028930.D

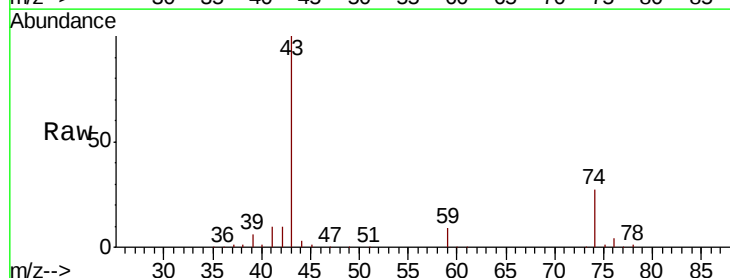
Acq: 22 Dec 2018 21:27

Tgt Ion: 43 Resp: 161389

Ion Ratio Lower Upper

43 100

74 26.5 16.4 24.6#



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

Ion 74.00 (73.70 to 74.70): VU028930.D (-355) (-)

2.61

100000

80000

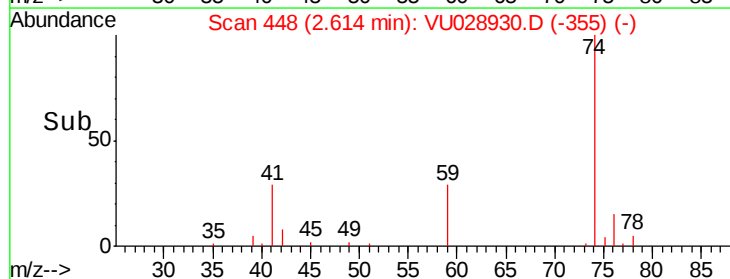
60000

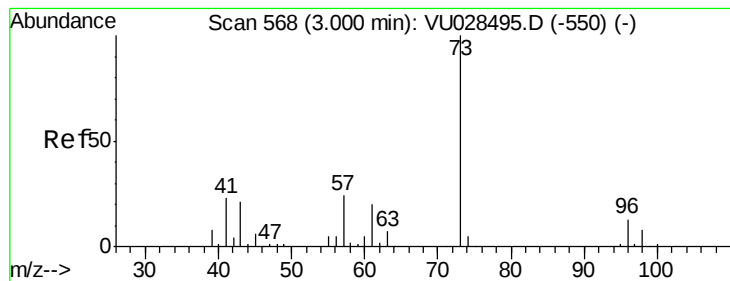
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 43.744 ug/l

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

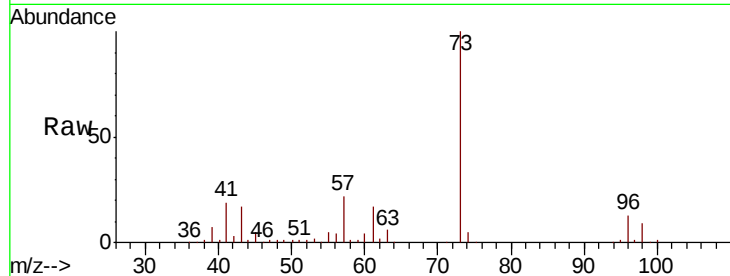
VSTDCCC050EC

Tgt Ion: 73 Resp: 319810

Ion Ratio Lower Upper

73 100

57 21.7 19.4 29.2



Abundance Ion 73.00 (72.70 to 73.70): VU028495.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-550) (-)

3.00

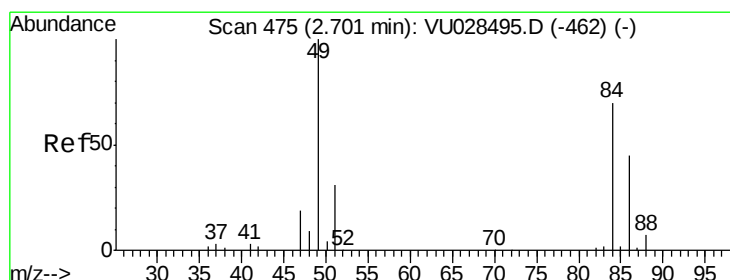
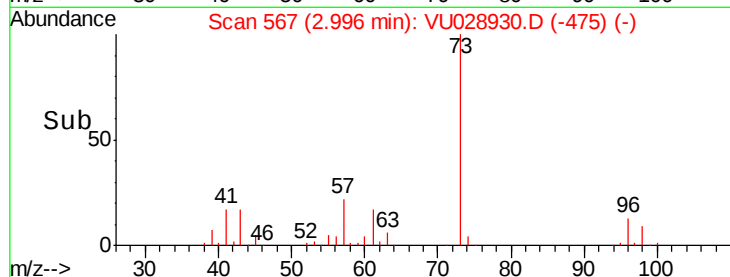
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 42.846 ug/l

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Tgt Ion: 84 Resp: 108949

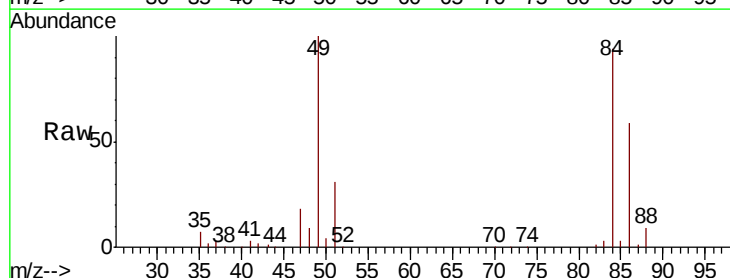
Ion Ratio Lower Upper

84 100

49 105.8 114.0 171.0#

51 33.3 35.1 52.7#

86 62.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VU028495.D (-462) (-)

Ion 48.90 (48.60 to 49.60): VU028495.D (-462) (-)

Ion 50.90 (50.60 to 51.60): VU028495.D (-462) (-)

Ion 85.90 (85.60 to 86.60): VU028495.D (-462) (-)

2.70

100000

80000

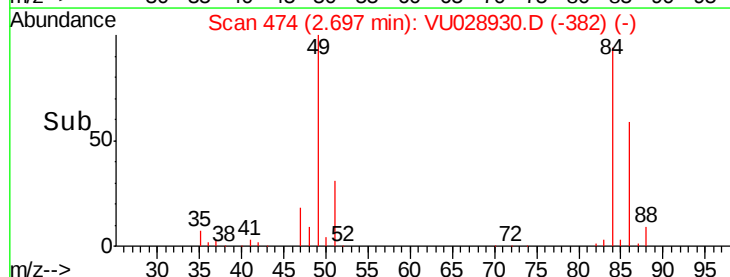
60000

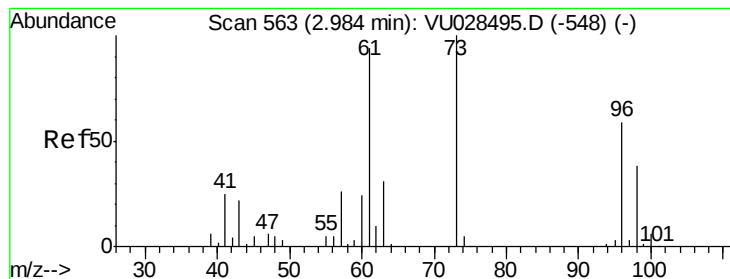
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.162 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

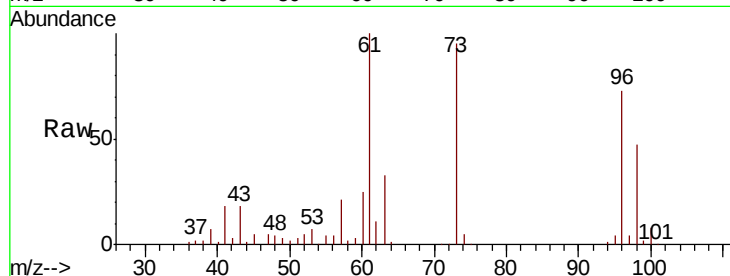
Tgt Ion: 96 Resp: 98064

Ion Ratio Lower Upper

96 100

61 136.1 127.0 190.4

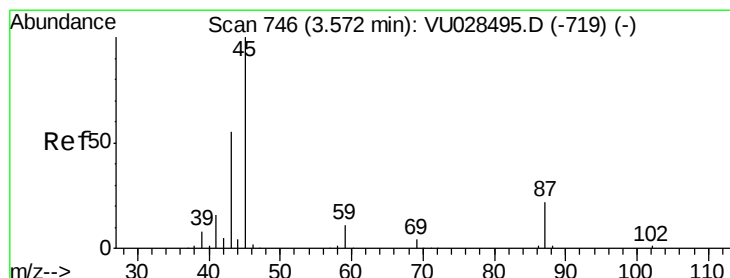
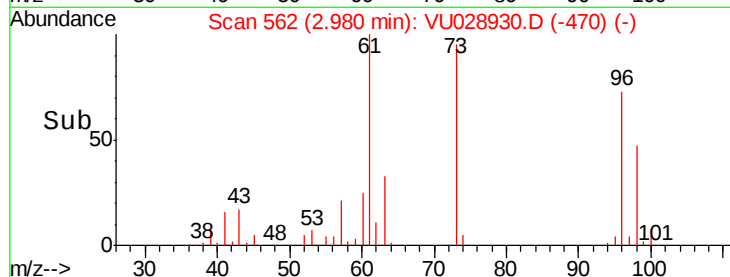
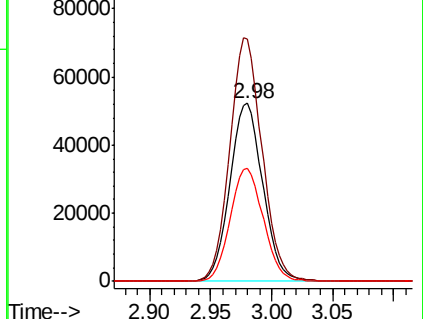
98 63.7 51.9 77.9



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: 34.669 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Tgt Ion: 45 Resp: 307592

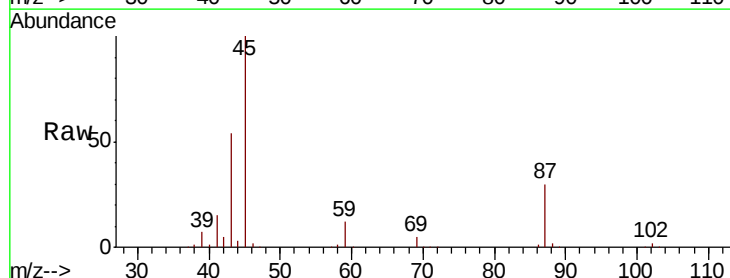
Ion Ratio Lower Upper

45 100

43 52.9 45.3 67.9

87 30.1 17.6 26.4

59 12.3 8.8 13.2

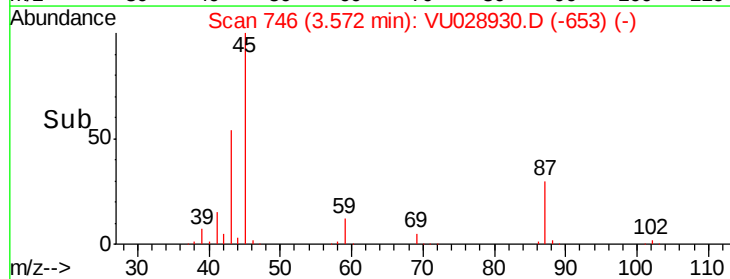
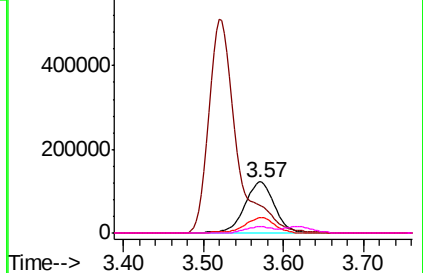


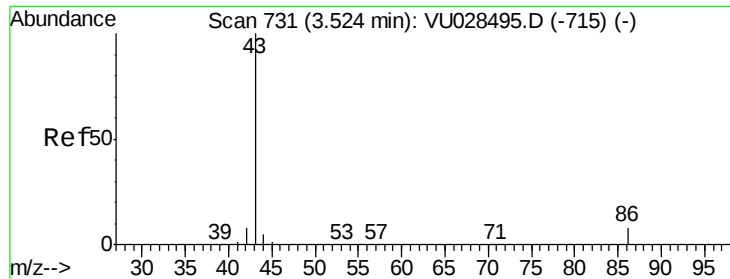
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

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: 168.534 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

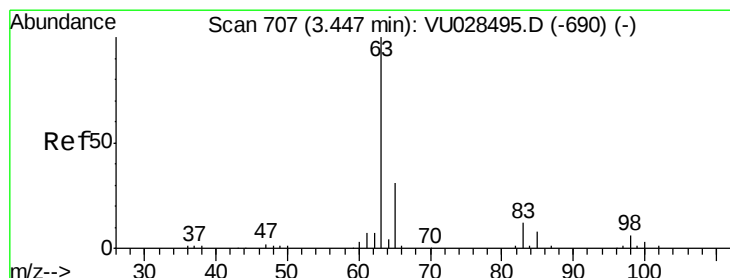
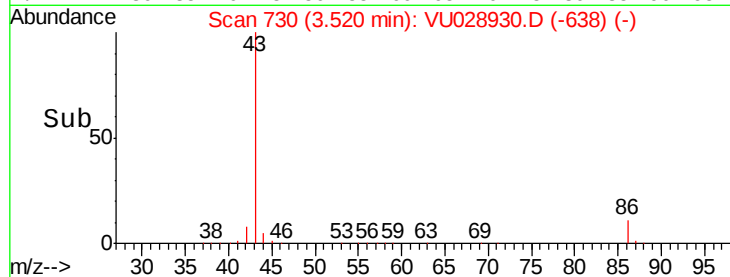
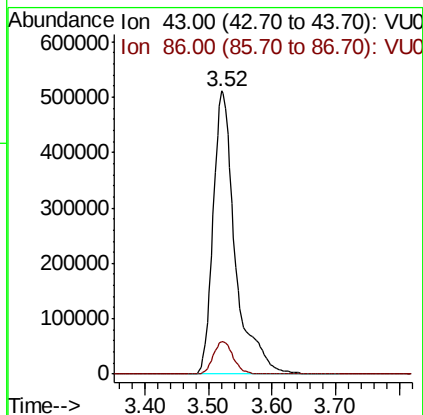
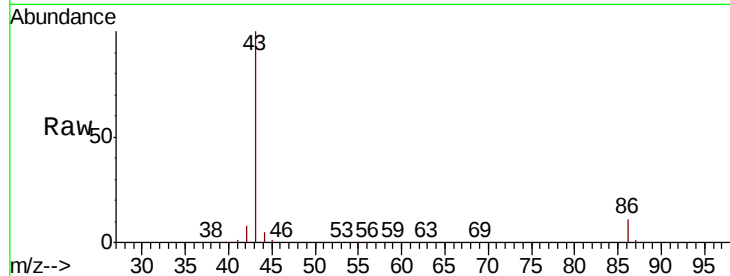
VSTDCCC050EC

Tgt Ion: 43 Resp: 1233362

Ion Ratio Lower Upper

43 100

86 11.5 6.8 10.2#



#24

1,1-Dichloroethane

Concen: 39.542 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

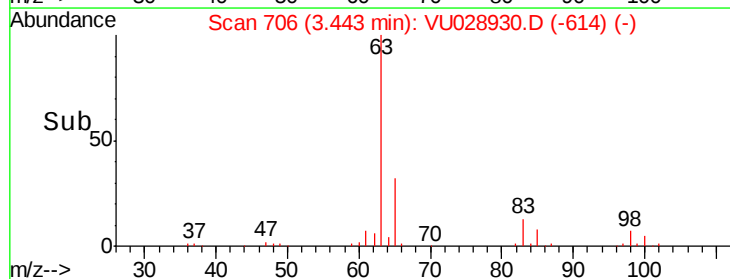
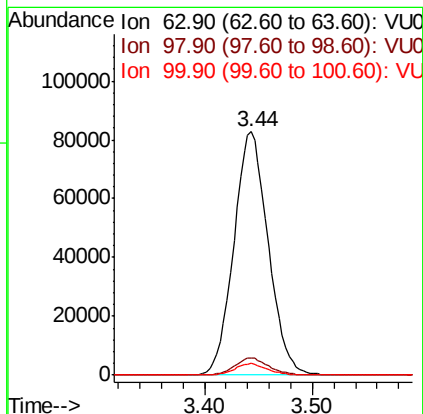
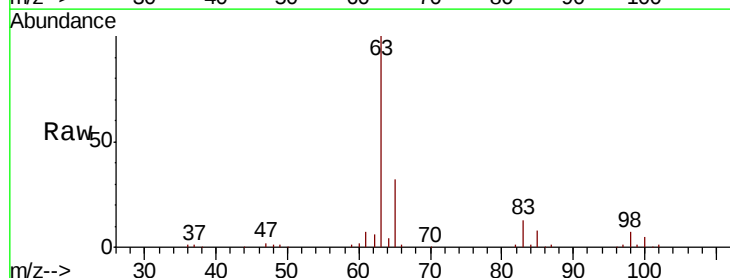
Tgt Ion: 63 Resp: 183642

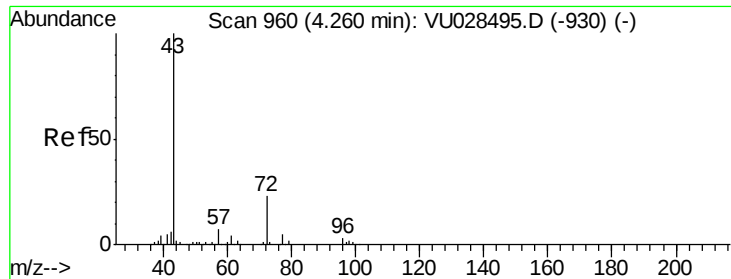
Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 4.6 1.7 5.1





#25

2-Butanone

Concen: 161.872 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

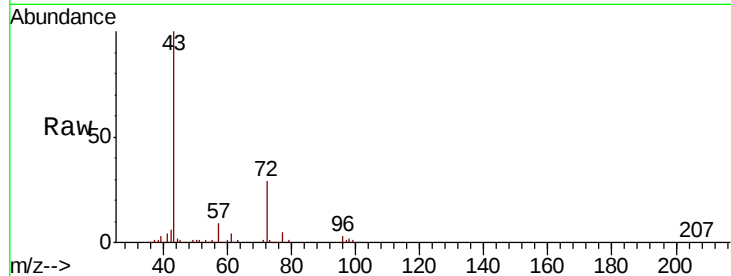
VSTDCCC050EC

Tgt Ion: 43 Resp: 381580

Ion Ratio Lower Upper

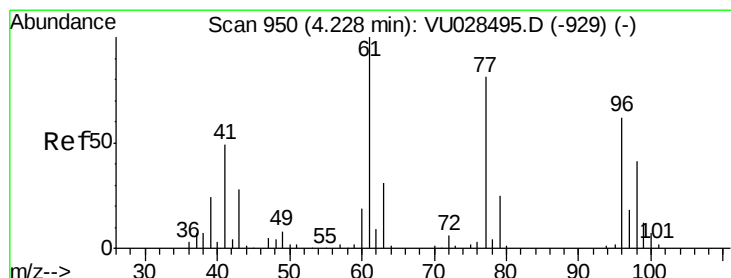
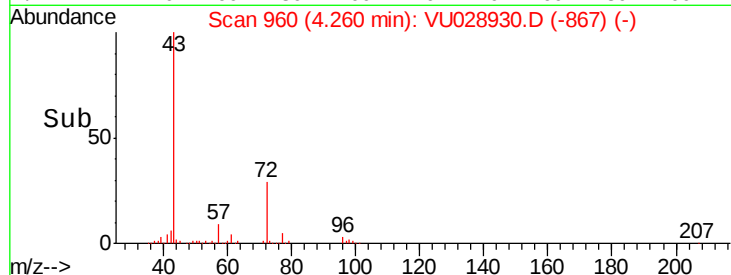
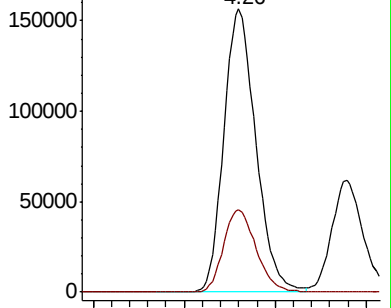
43 100

72 29.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 37.102 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028930.D

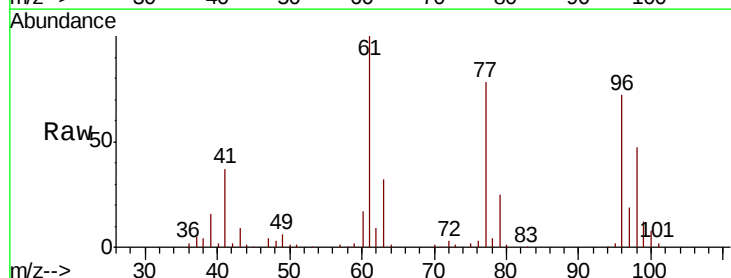
Acq: 22 Dec 2018 21:27

Tgt Ion: 77 Resp: 136532

Ion Ratio Lower Upper

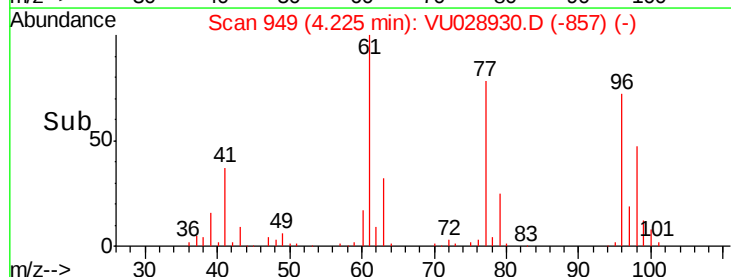
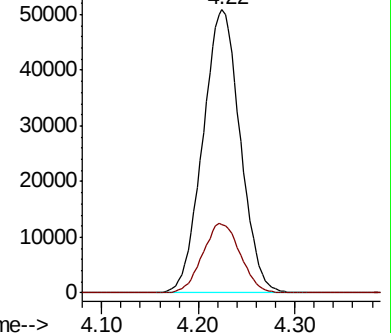
77 100

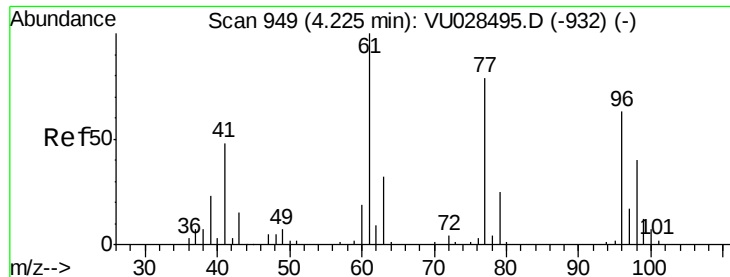
97 24.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



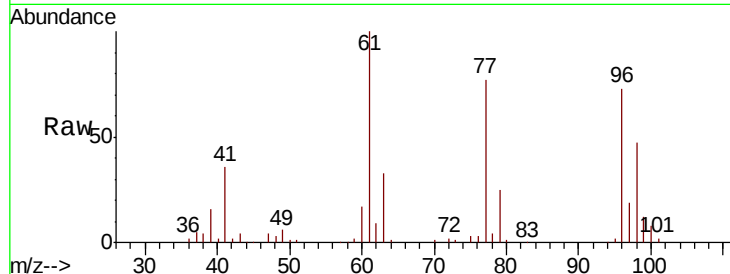


#27

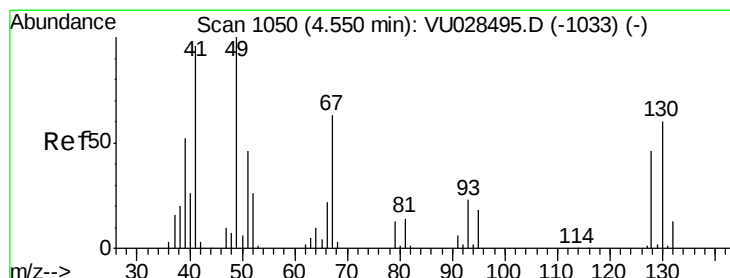
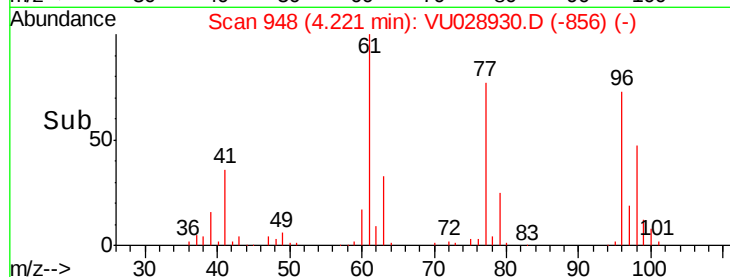
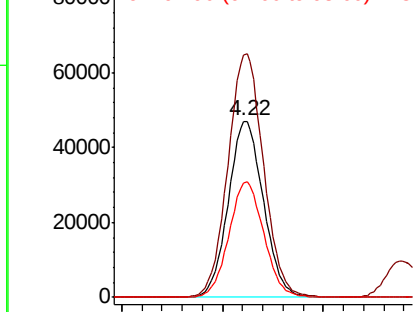
cis-1,2-Dichloroethene
Concen: 46.344 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113899
Ion Ratio Lower Upper
96 100
61 140.0 0.0 332.4
98 65.1 0.0 129.0



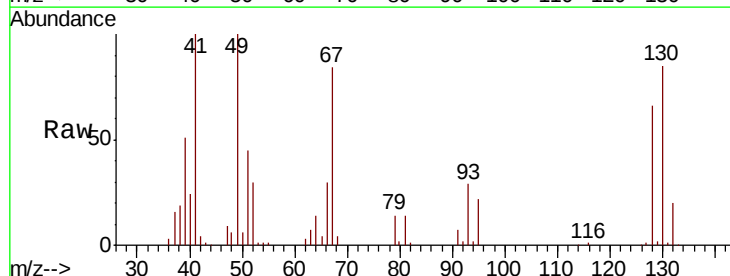
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



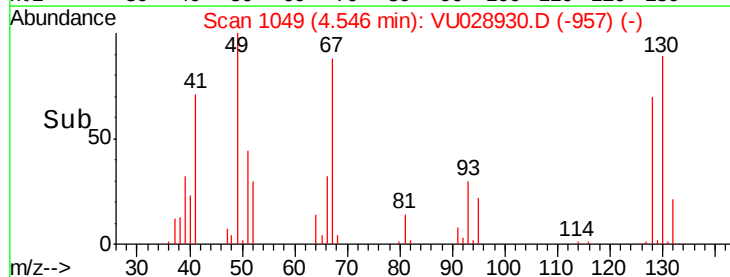
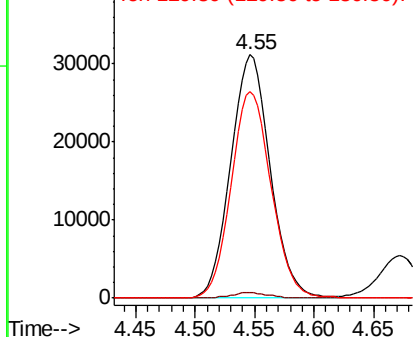
#28

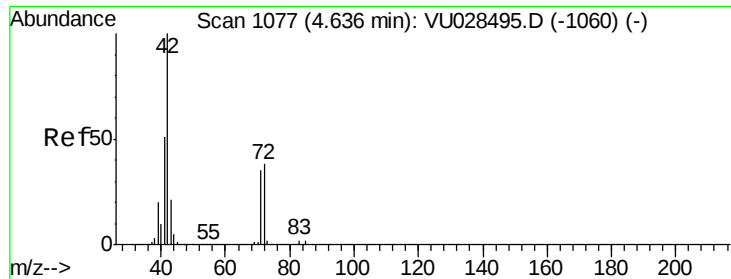
Bromochloromethane
Concen: 33.999 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 49 Resp: 71781
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.0
130 85.9 47.8 71.8#



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 169.326 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

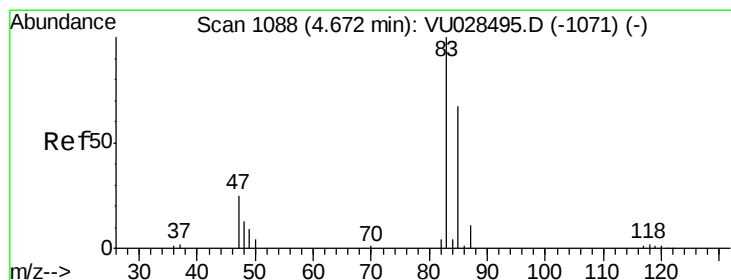
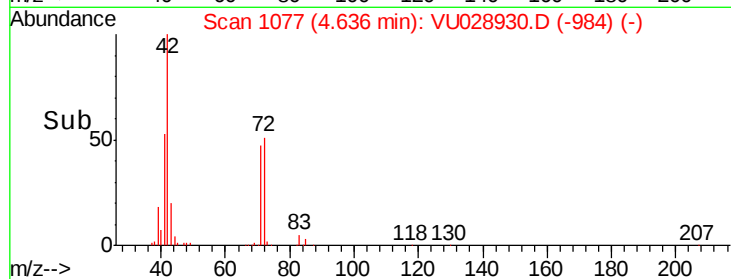
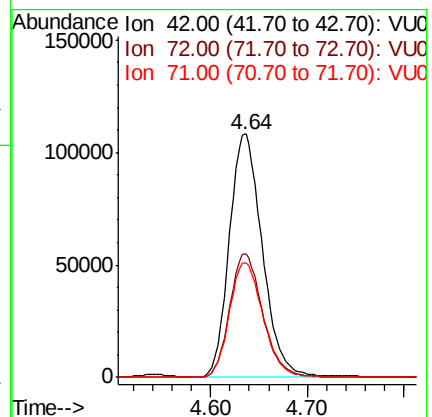
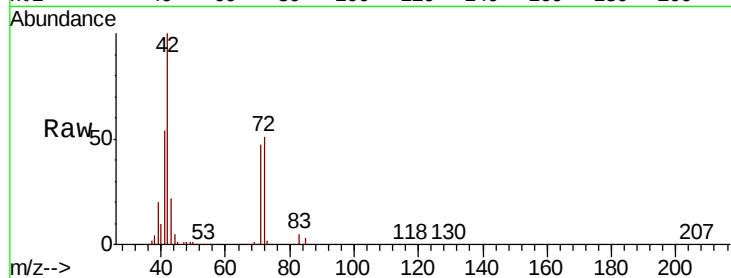
Tgt Ion: 42 Resp: 256351

Ion Ratio Lower Upper

42 100

72 51.0 31.4 47.0#

71 47.9 28.6 43.0#



#30

Chloroform

Concen: 43.914 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028930.D

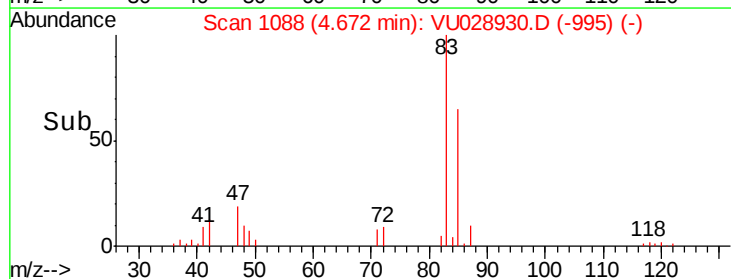
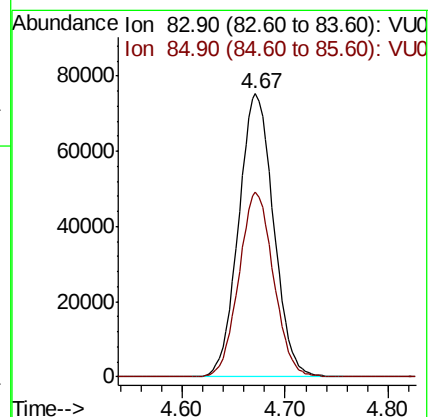
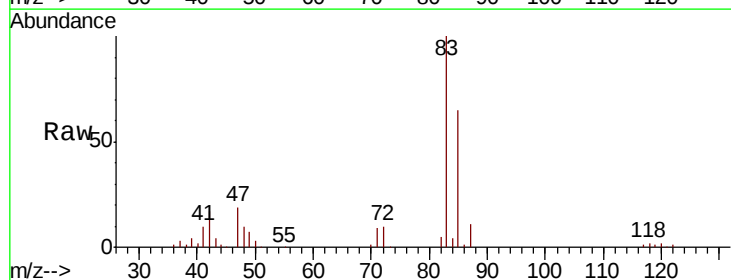
Acq: 22 Dec 2018 21:27

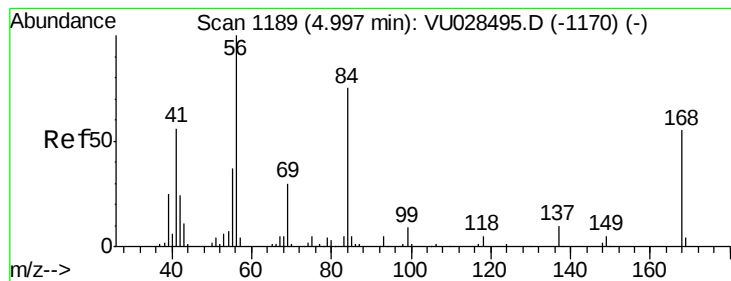
Tgt Ion: 83 Resp: 177754

Ion Ratio Lower Upper

83 100

85 65.4 53.6 80.4





#31

Cyclohexane

Concen: 37.492 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

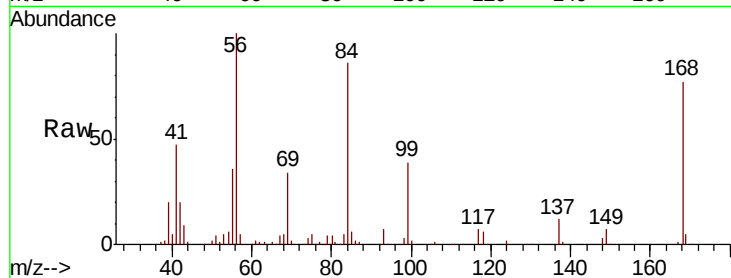
Tgt Ion: 56 Resp: 171273

Ion Ratio Lower Upper

56 100

69 33.5 24.0 36.0

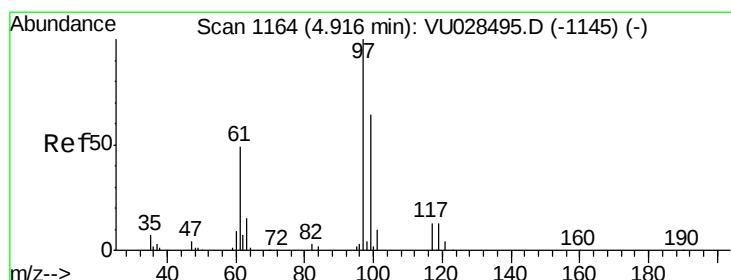
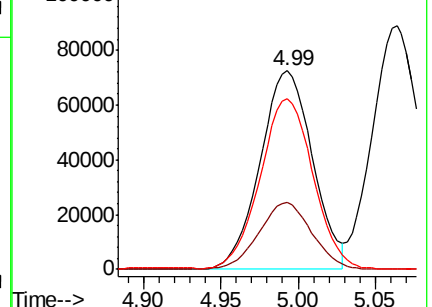
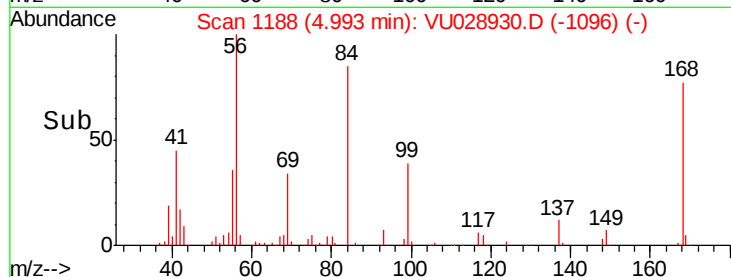
84 85.3 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VU028930.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU028930.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028930.D (-1096) (-)



#32

1,1,1-Trichloroethane

Concen: 43.550 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

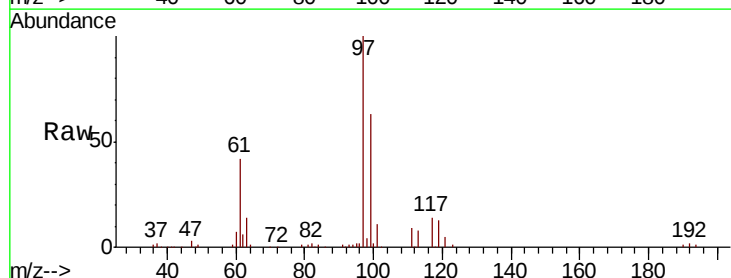
Tgt Ion: 97 Resp: 146405

Ion Ratio Lower Upper

97 100

99 63.8 52.3 78.5

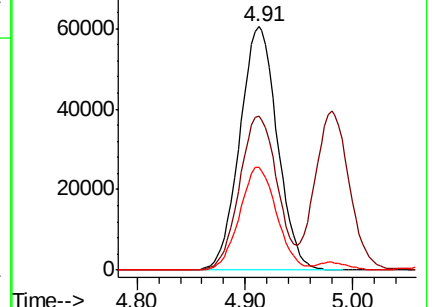
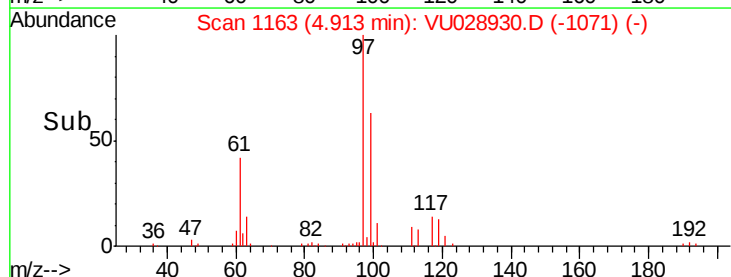
61 41.8 39.0 58.6

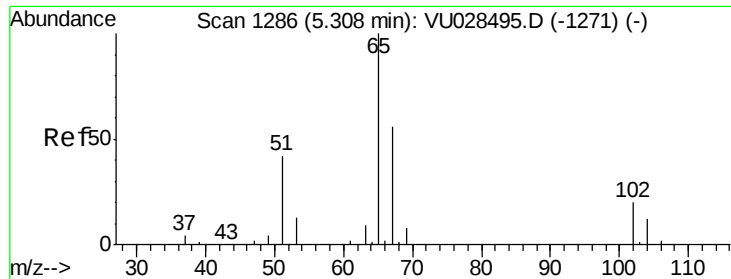


Abundance Ion 96.90 (96.60 to 97.60): VU028930.D (-1071) (-)

Ion 98.90 (98.60 to 99.60): VU028930.D (-1071) (-)

Ion 60.90 (60.60 to 61.60): VU028930.D (-1071) (-)

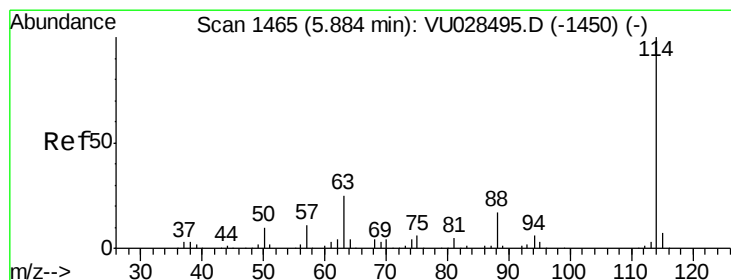
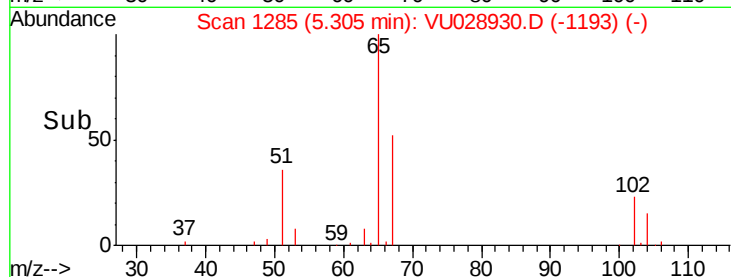
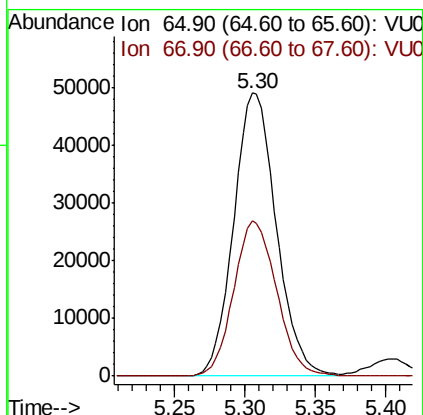
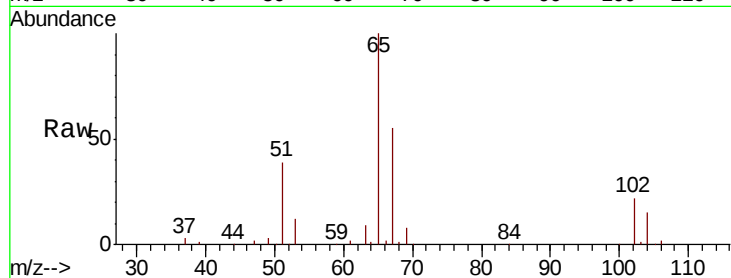




#33
 1,2-Dichloroethane-d4
 Concen: 39.162 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

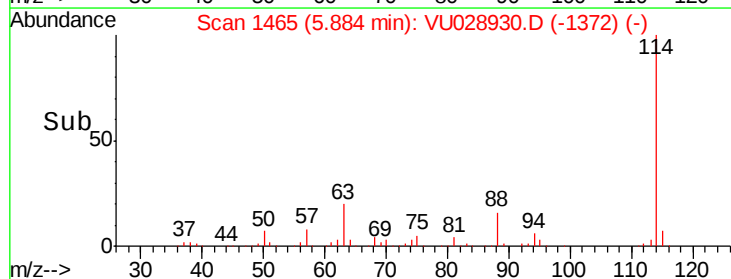
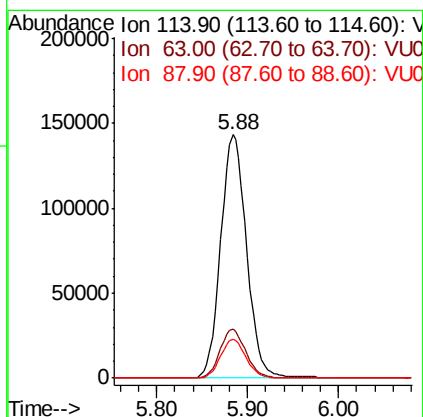
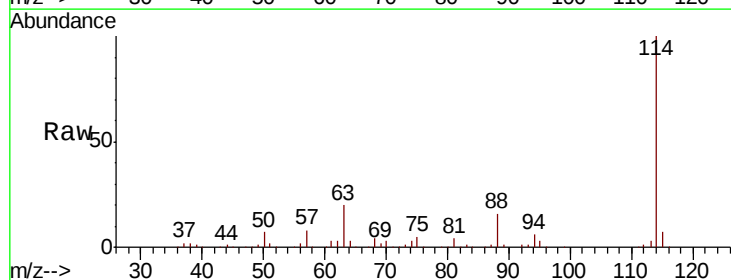
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 103521
 Ion Ratio Lower Upper
 65 100
 67 55.4 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: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 114 Resp: 283692
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 49.2
 88 16.0 0.0 33.4

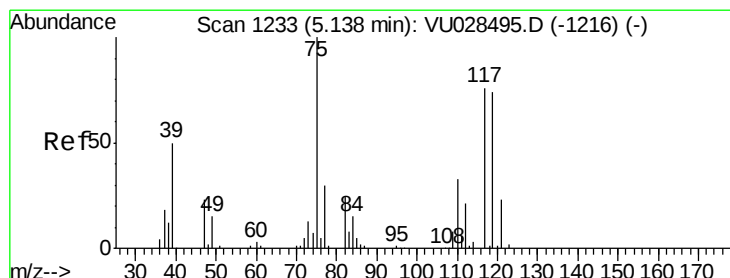
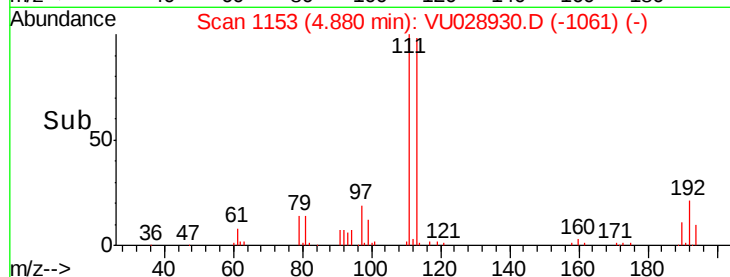
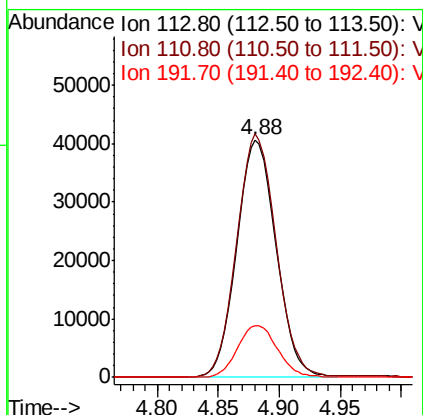
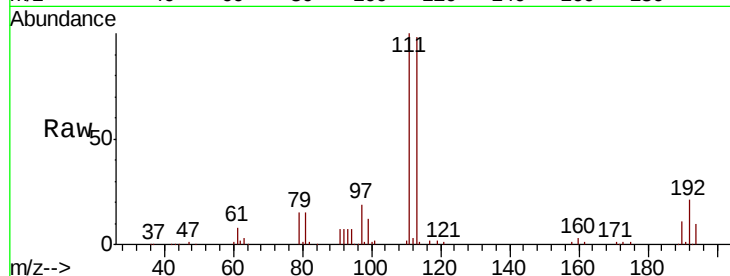




#35
 Dibromofluoromethane
 Concen: 50.789 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

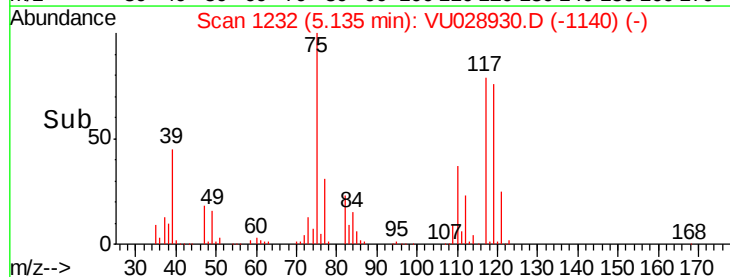
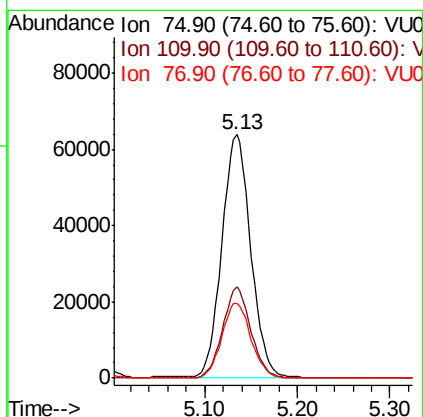
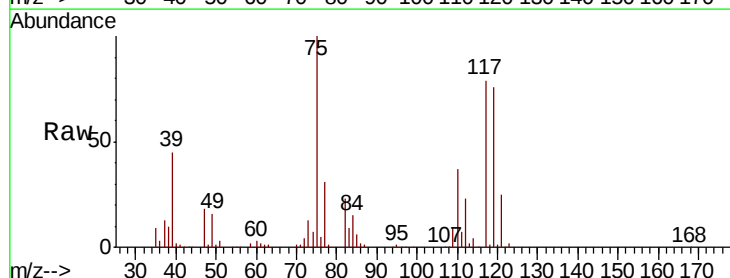
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

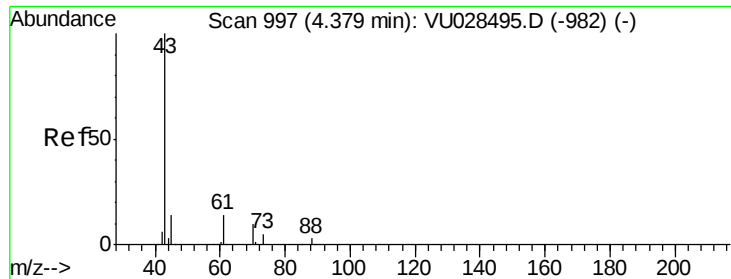
Tgt Ion: 113 Resp: 90673
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.0
 192 22.3 14.8 22.2#



#36
 1,1-Dichloropropene
 Concen: 44.237 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 75 Resp: 137329
 Ion Ratio Lower Upper
 75 100
 110 36.5 16.1 48.2
 77 31.3 24.5 36.7

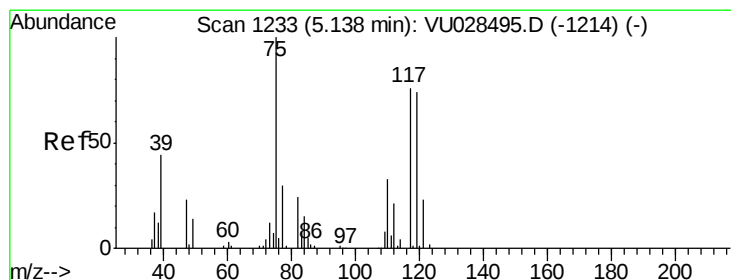
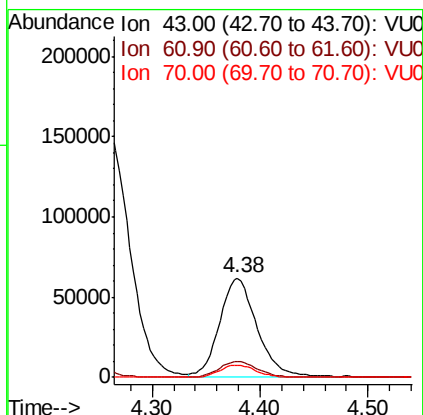
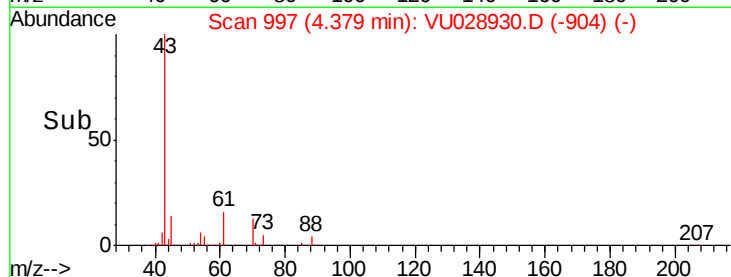
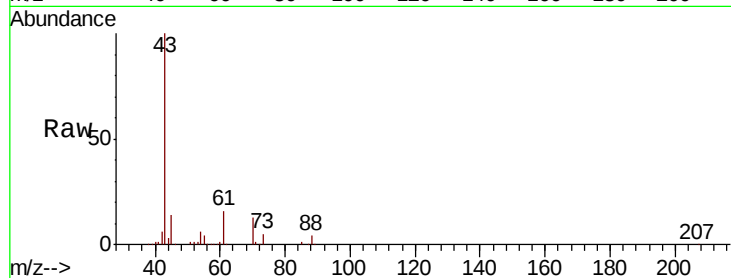




#37
 Ethyl Acetate
 Concen: 36.727 ug/l
 RT: 4.38 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

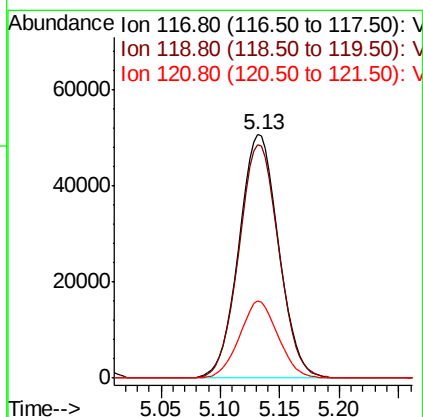
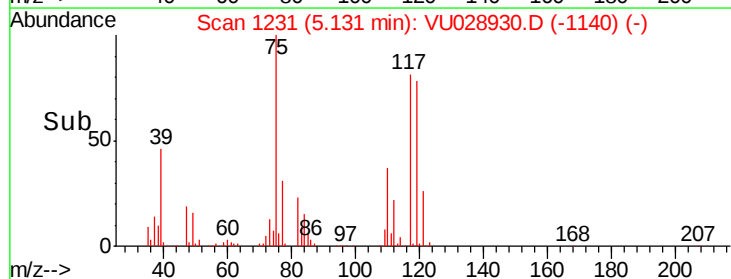
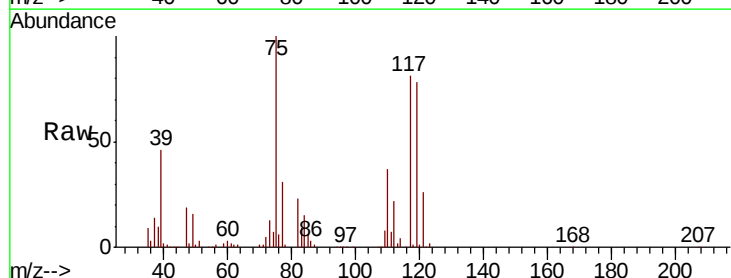
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

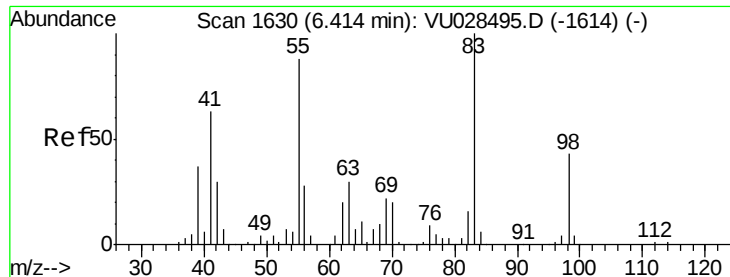
Tgt Ion: 43 Resp: 147390
 Ion Ratio Lower Upper
 43 100
 61 16.5 11.0 16.4#
 70 12.3 7.4 11.0#



#38
 Carbon Tetrachloride
 Concen: 46.788 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 117 Resp: 117071
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.6 116.4
 121 31.7 24.6 36.8





#39

Methylcyclohexane

Concen: 44.749 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

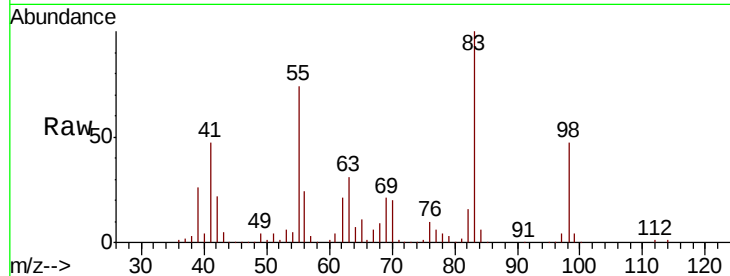
Tgt Ion: 83 Resp: 169480

Ion Ratio Lower Upper

83 100

55 73.6 70.2 105.2

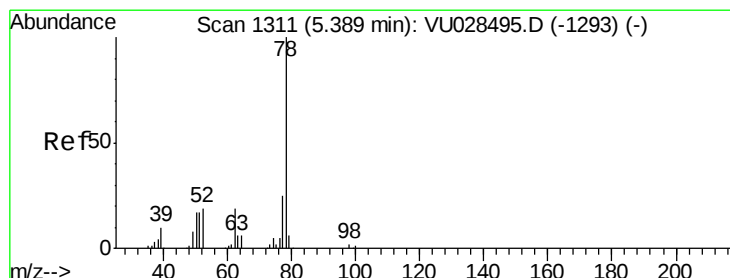
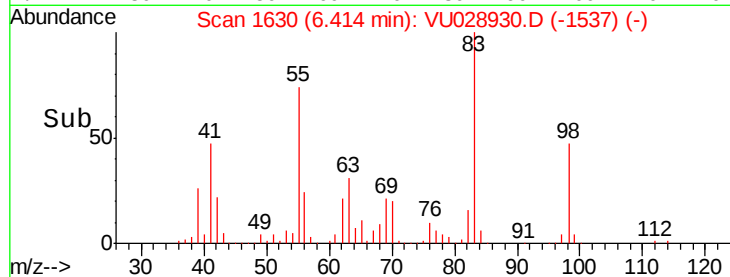
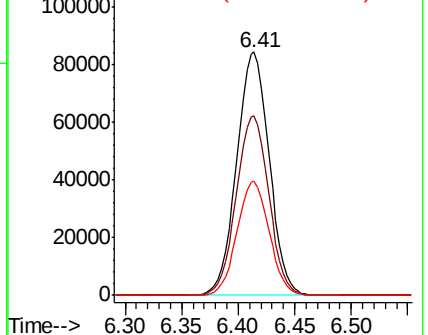
98 47.0 34.2 51.4



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: 47.306 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028930.D

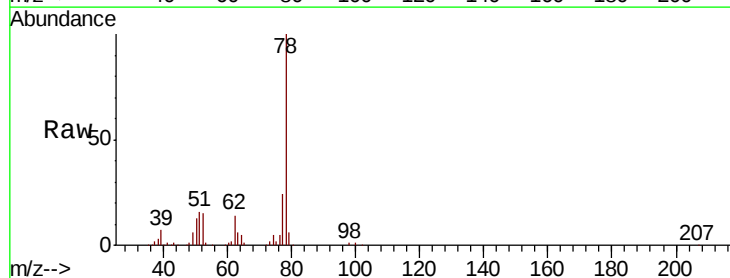
Acq: 22 Dec 2018 21:27

Tgt Ion: 78 Resp: 432526

Ion Ratio Lower Upper

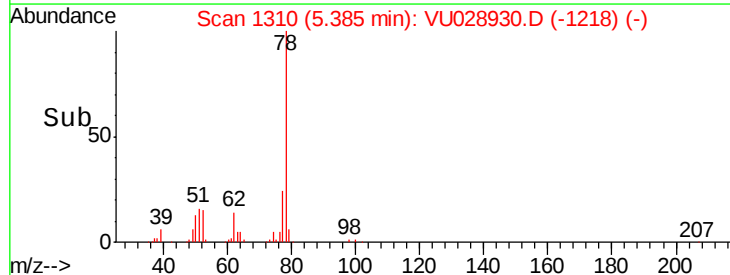
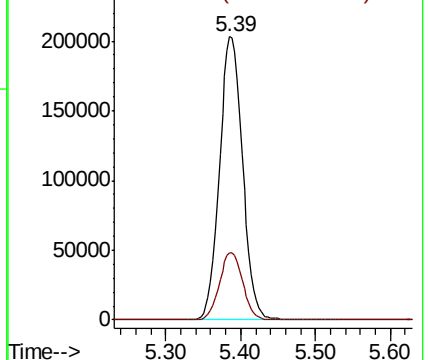
78 100

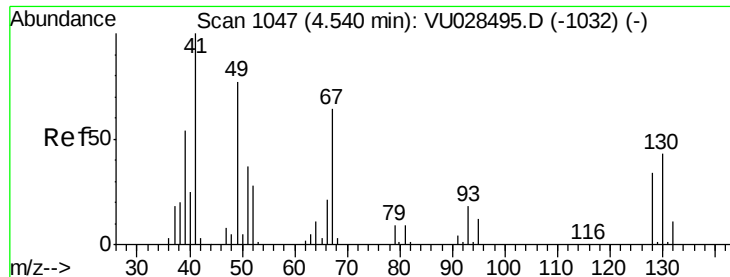
77 23.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

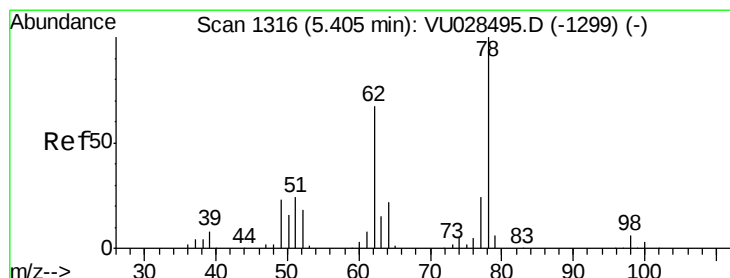
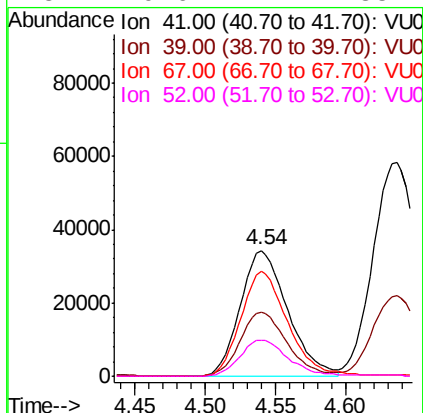
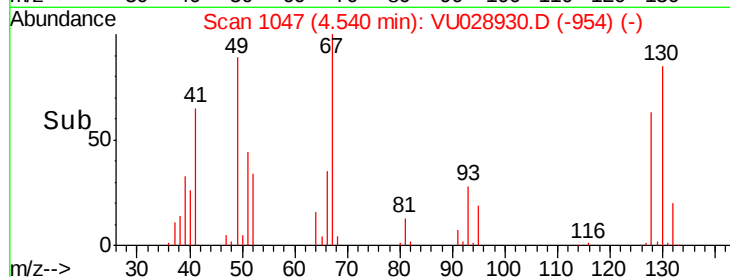
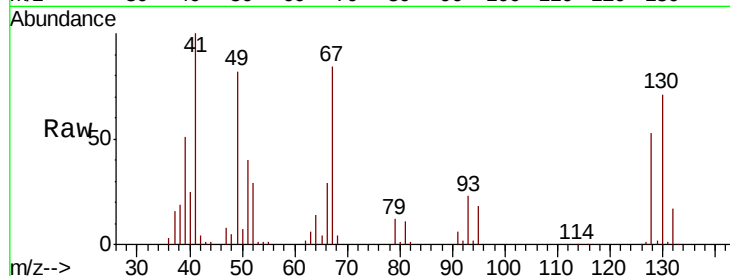




#41
Methacrylonitrile
Concen: 36.823 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

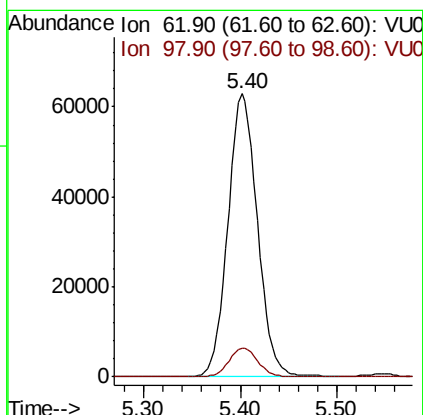
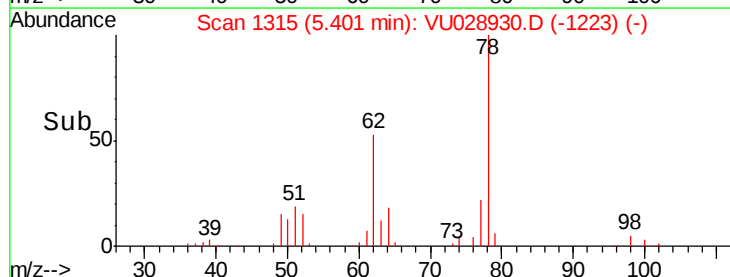
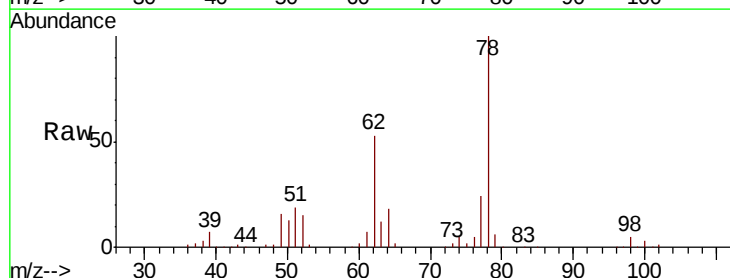
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

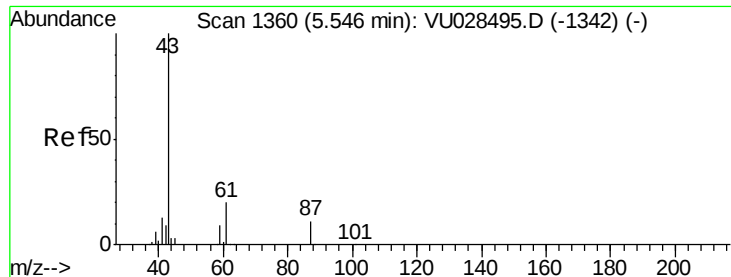
Tgt Ion: 41 Resp: 80927
Ion Ratio Lower Upper
41 100
39 50.1 43.3 64.9
67 83.4 53.6 80.4#
52 29.6 22.1 33.1



#42
1,2-Dichloroethane
Concen: 41.692 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 62 Resp: 133432
Ion Ratio Lower Upper
62 100
98 10.0 0.0 17.2

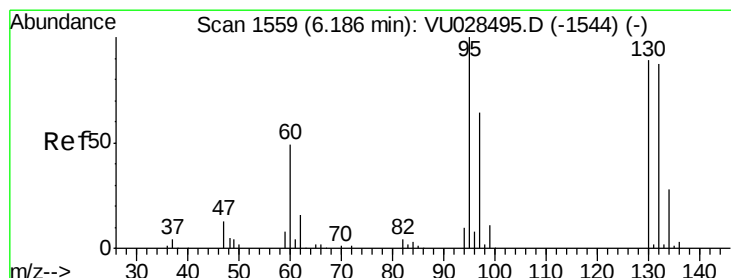
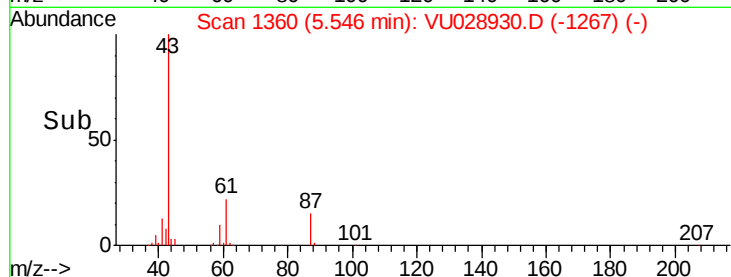
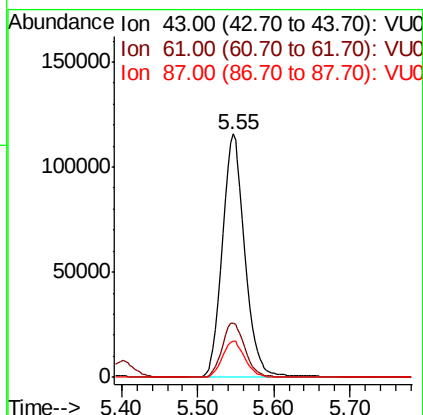
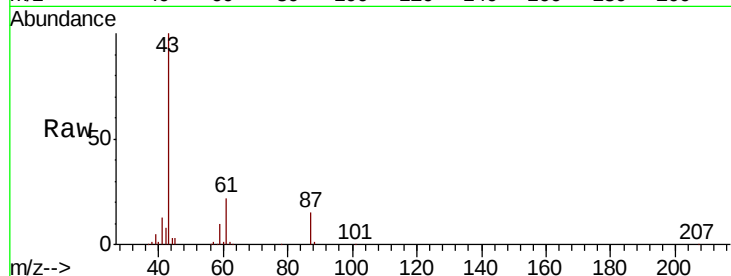




#43
Isopropyl Acetate
Concen: 37.399 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

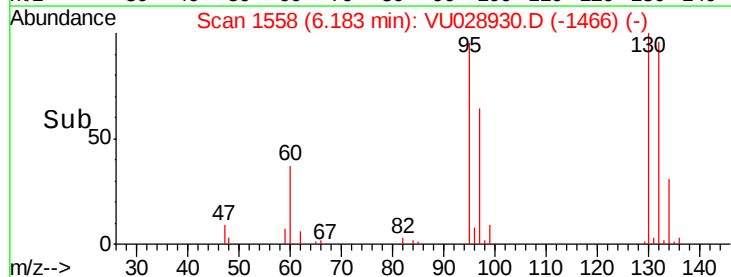
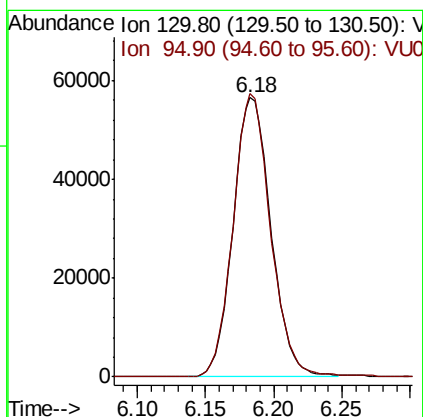
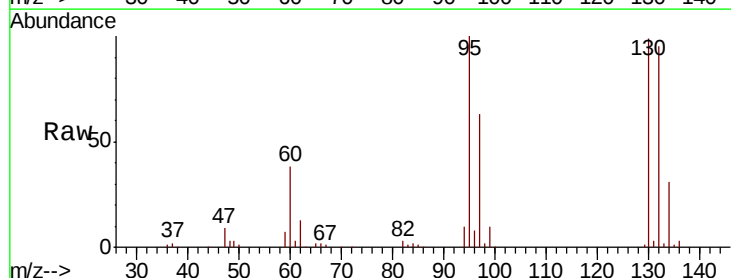
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

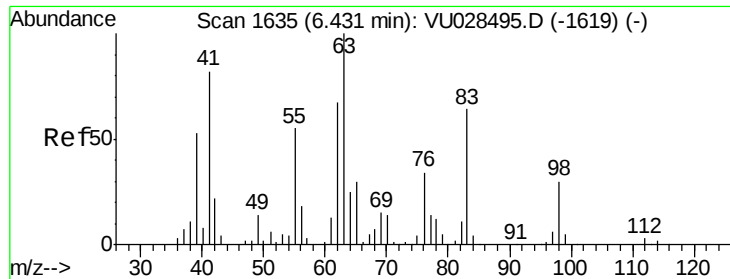
Tgt Ion: 43 Resp: 237390
Ion Ratio Lower Upper
43 100
61 22.8 15.5 23.3
87 15.1 8.7 13.1#



#44
Trichloroethene
Concen: 53.613 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 130 Resp: 108994
Ion Ratio Lower Upper
130 100
95 101.3 0.0 224.0

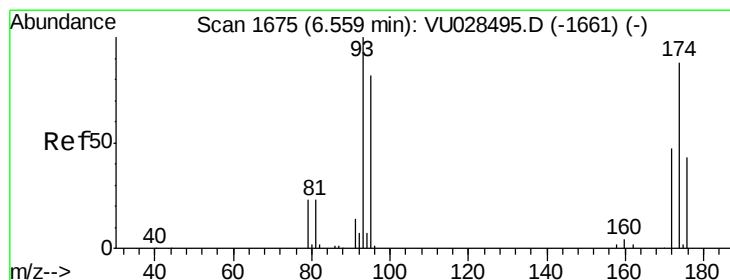
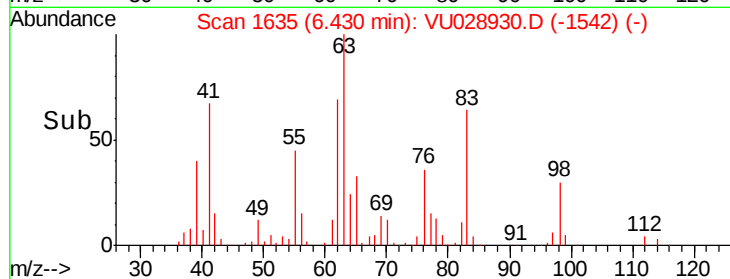
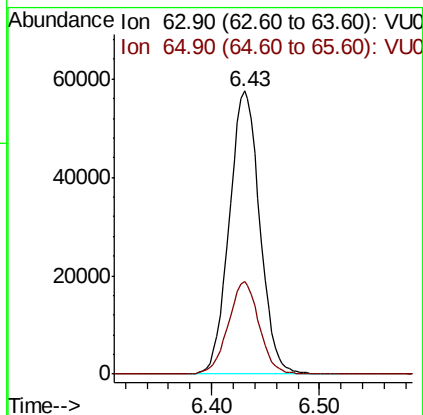
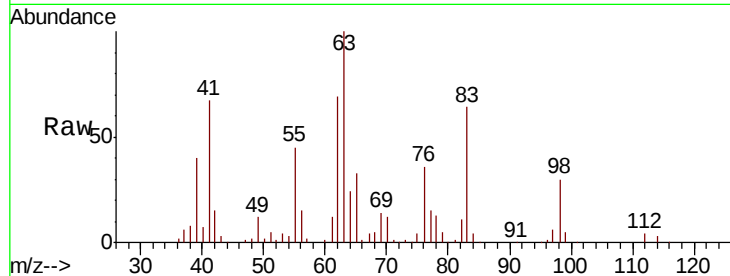




#45
 1,2-Dichloropropane
 Concen: 44.185 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

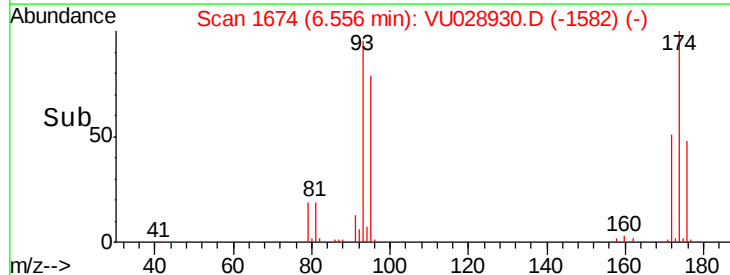
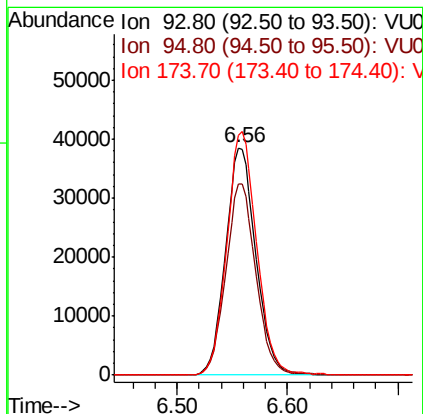
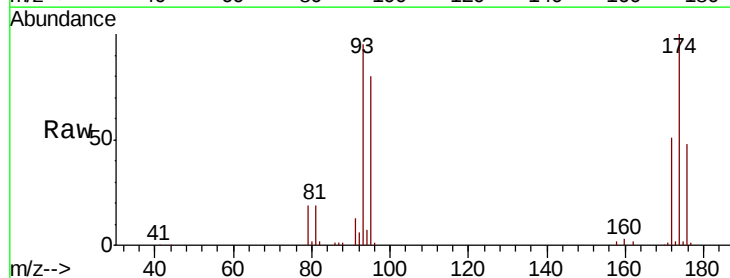
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

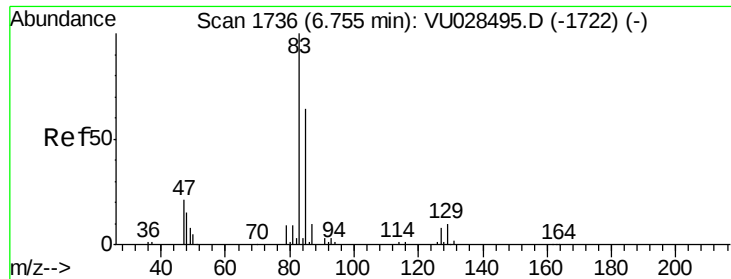
Tgt Ion: 63 Resp: 113605
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.2 36.4



#46
 Dibromomethane
 Concen: 48.189 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 93 Resp: 73513
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.4 98.2
 174 105.3 72.2 108.4

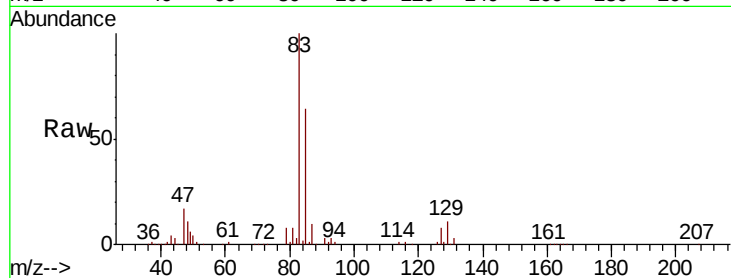




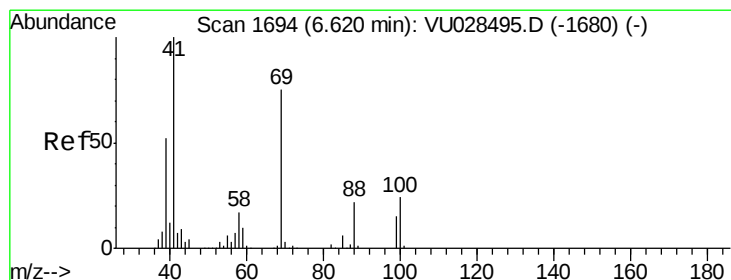
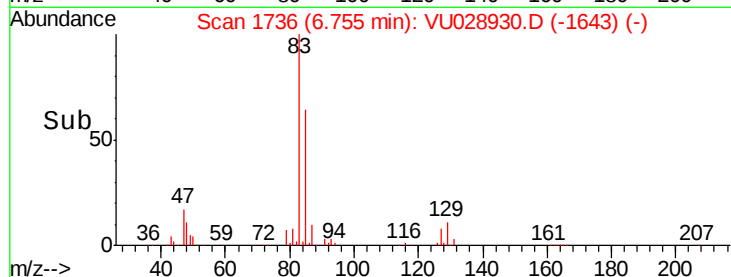
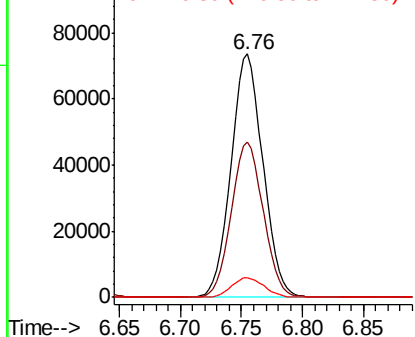
#47
Bromodichloromethane
Concen: 45.097 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 133875
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3
127 8.2 6.2 9.4

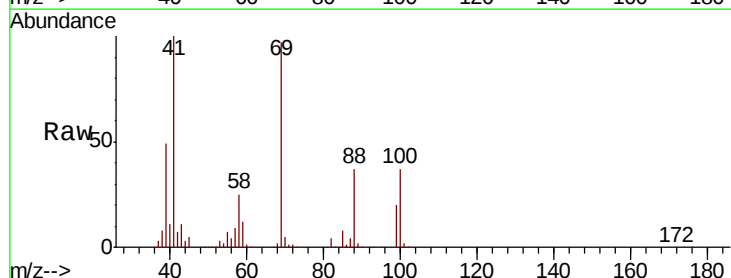


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

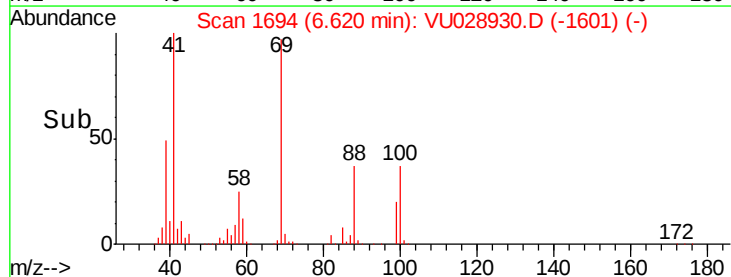
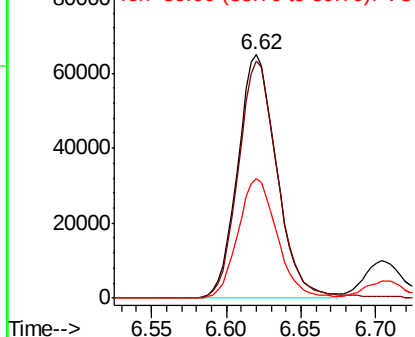


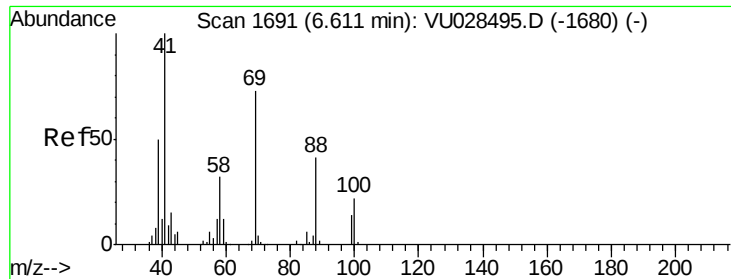
#48
Methyl methacrylate
Concen: 37.257 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 41 Resp: 117607
Ion Ratio Lower Upper
41 100
69 98.4 60.4 90.6#
39 49.3 41.1 61.7



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





#49

1,4-Dioxane

Concen: 1133.242 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

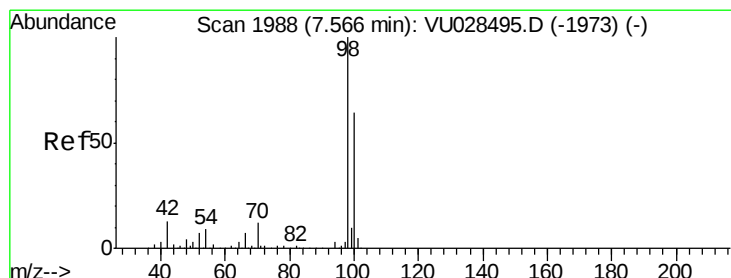
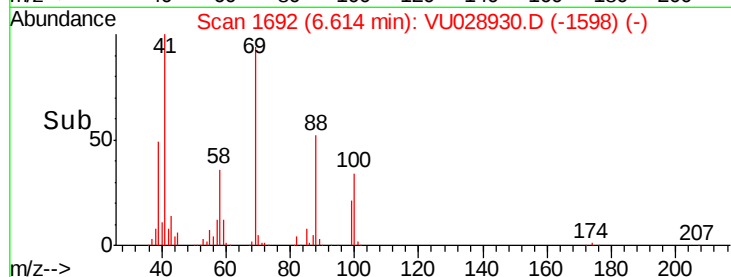
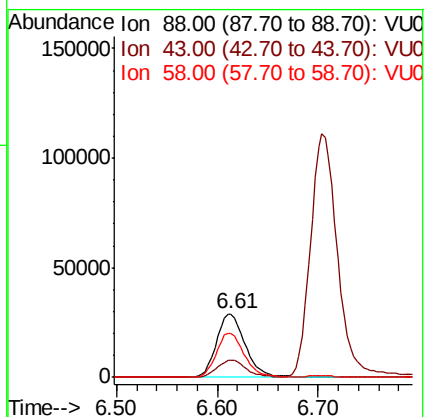
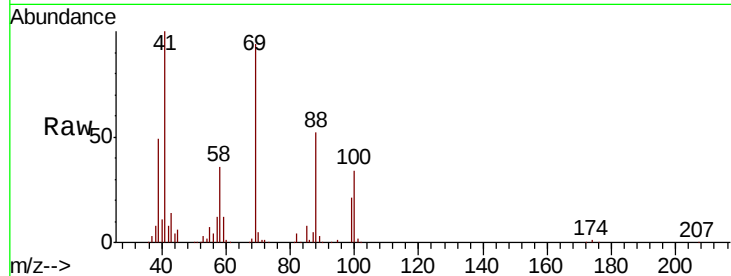
Tgt Ion: 88 Resp: 56483

Ion Ratio Lower Upper

88 100

43 28.1 30.9 46.3#

58 69.0 62.4 93.6



#50

Toluene-d8

Concen: 49.643 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028930.D

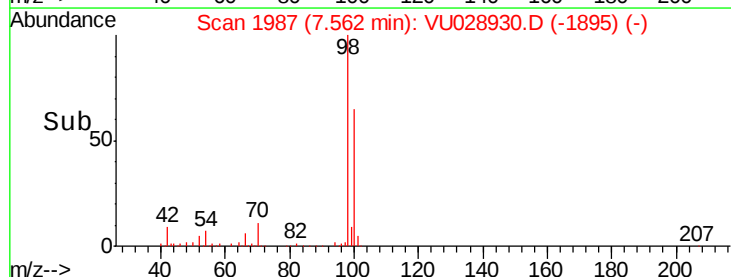
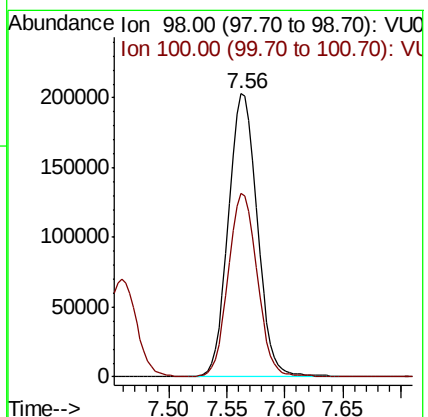
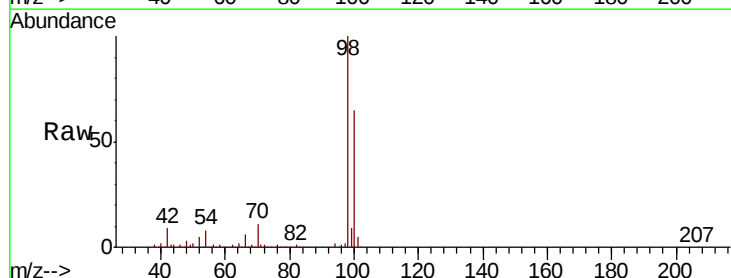
Acq: 22 Dec 2018 21:27

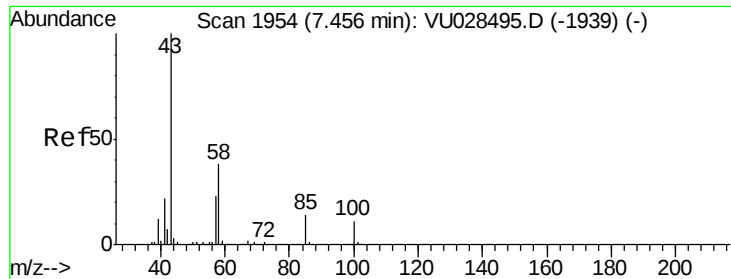
Tgt Ion: 98 Resp: 350591

Ion Ratio Lower Upper

98 100

100 64.6 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 185.637 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

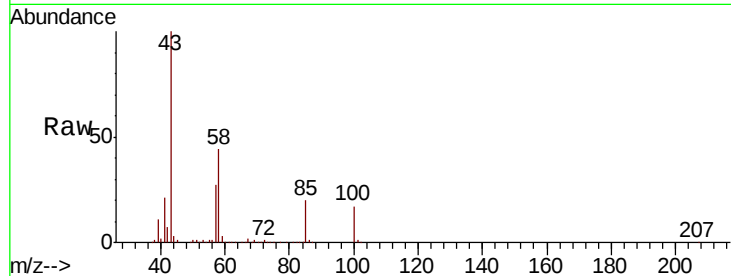
VSTDCCC050EC

Tgt Ion: 43 Resp: 743182

Ion Ratio Lower Upper

43 100

58 44.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

300000

200000

100000

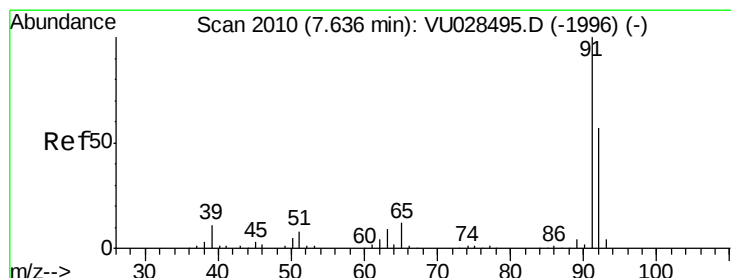
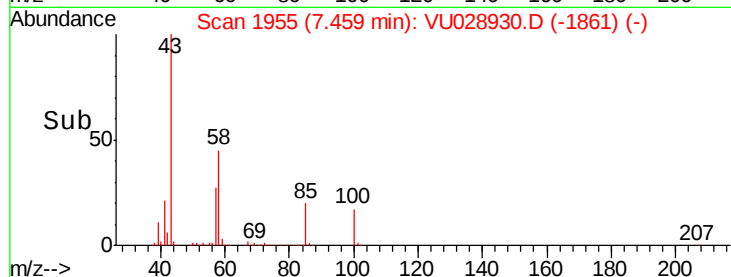
0

Time-->

7.40

7.50

7.60



#52

Toluene

Concen: 50.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028930.D

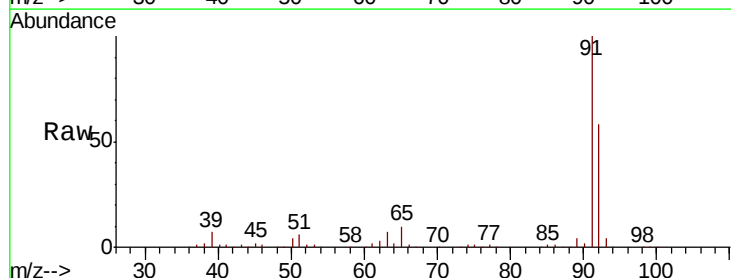
Acq: 22 Dec 2018 21:27

Tgt Ion: 92 Resp: 272801

Ion Ratio Lower Upper

92 100

91 173.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

150000

100000

50000

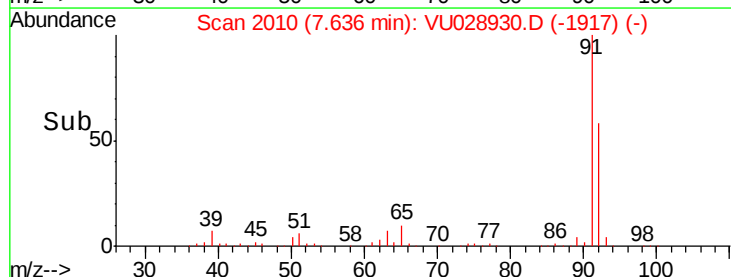
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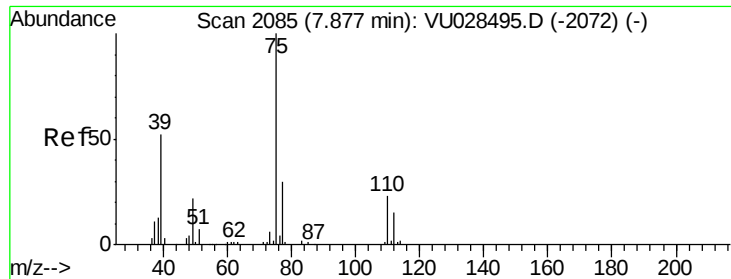
Time-->

7.60

7.70

7.80

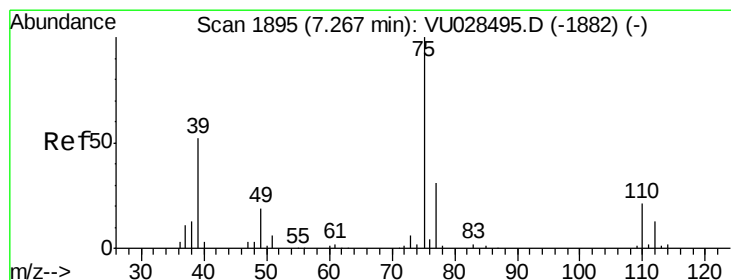
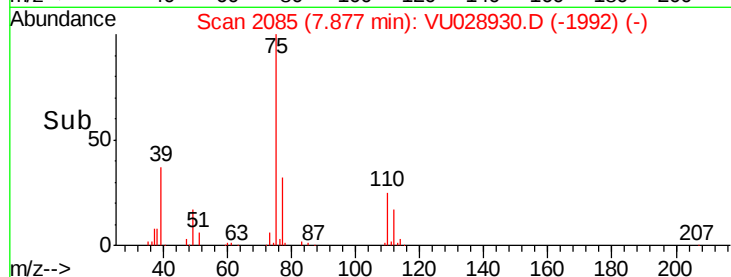
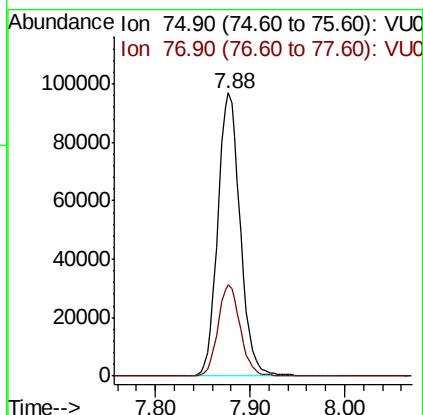
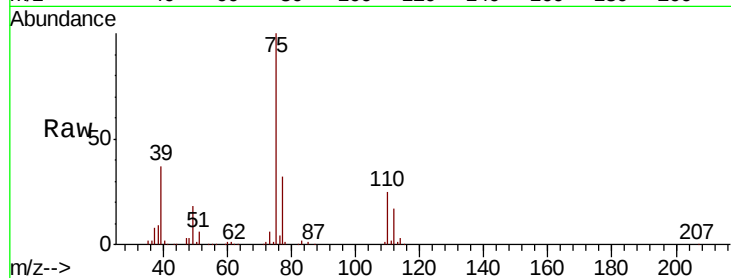




#53
t-1,3-Dichloropropene
Concen: 45.133 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

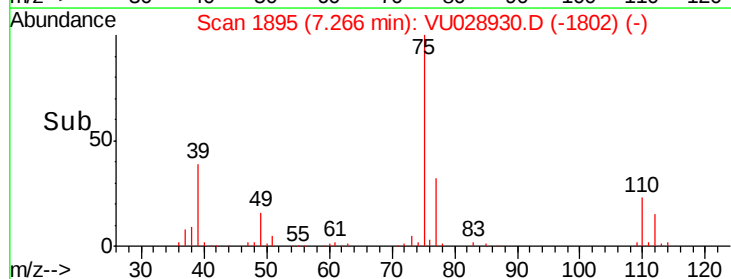
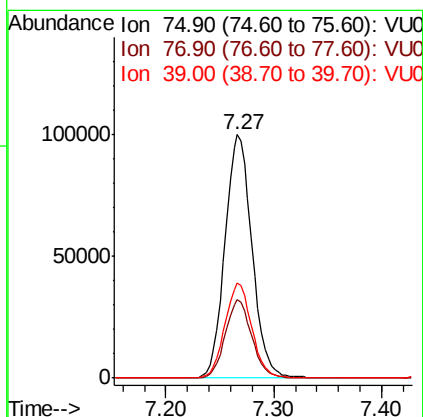
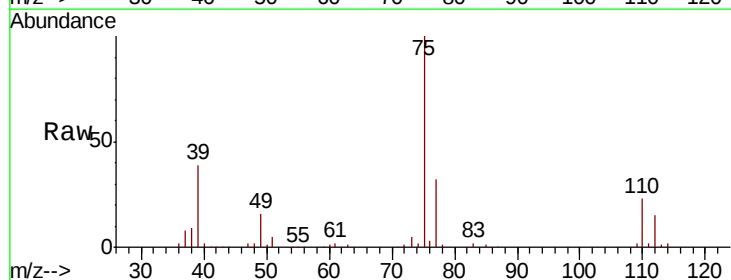
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

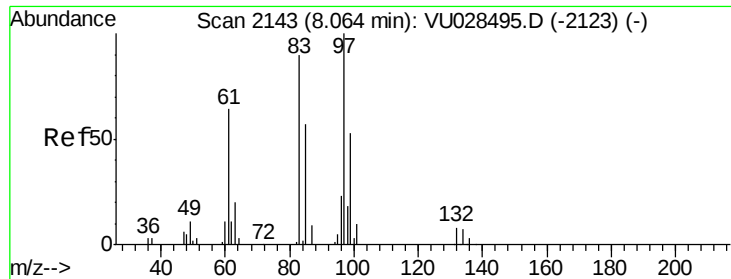
Tgt Ion: 75 Resp: 159570
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 45.394 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 75 Resp: 174122
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 39.1 41.3 61.9#

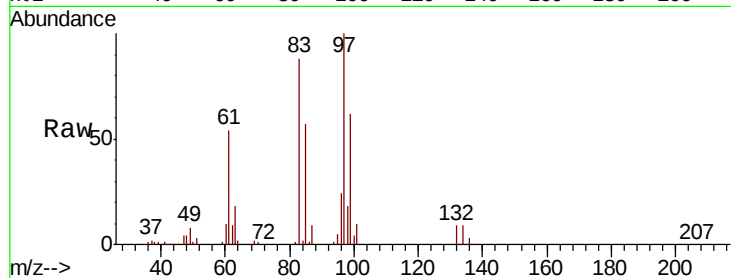




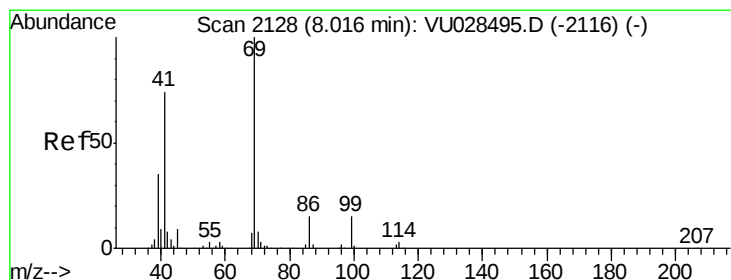
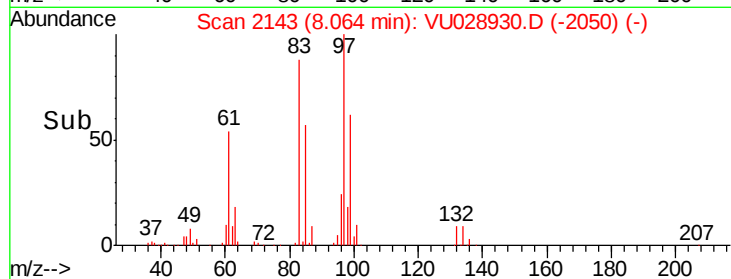
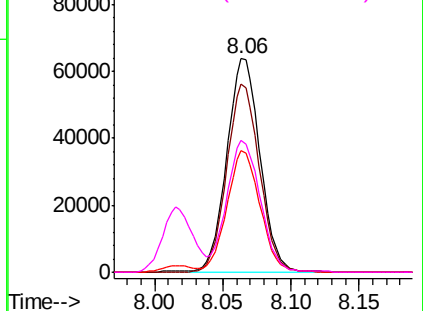
#55
 1,1,2-Trichloroethane
 Concen: 50.407 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 107218
 Ion Ratio Lower Upper
 97 100
 83 87.9 72.4 108.6
 85 57.0 46.0 69.0
 99 61.6 47.4 71.2

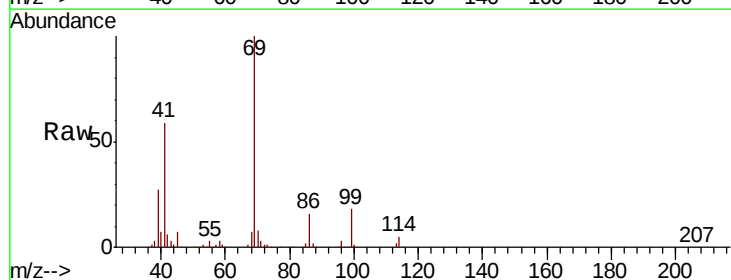


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

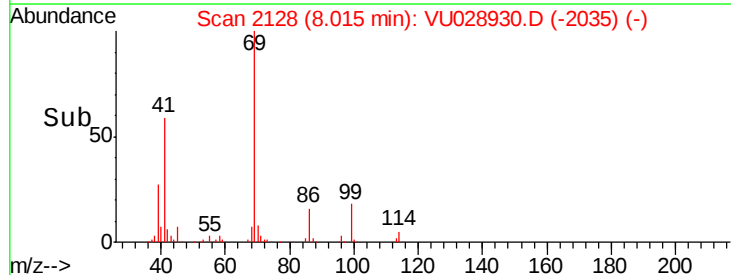
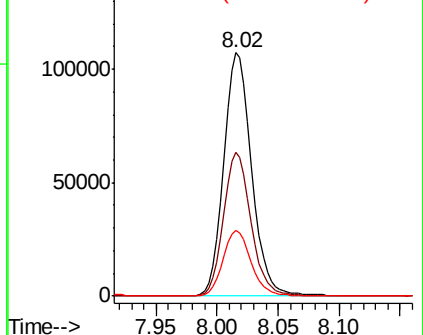


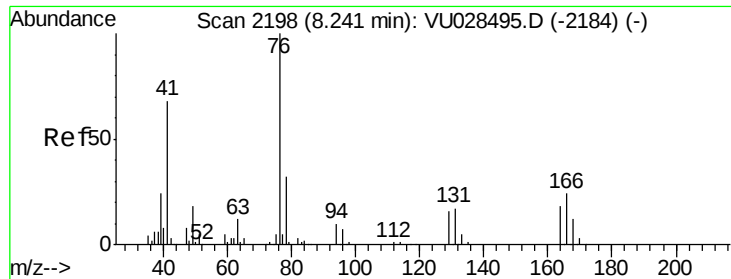
#56
 Ethyl methacrylate
 Concen: 47.407 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 69 Resp: 172679
 Ion Ratio Lower Upper
 69 100
 41 58.4 59.1 88.7#
 39 26.8 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

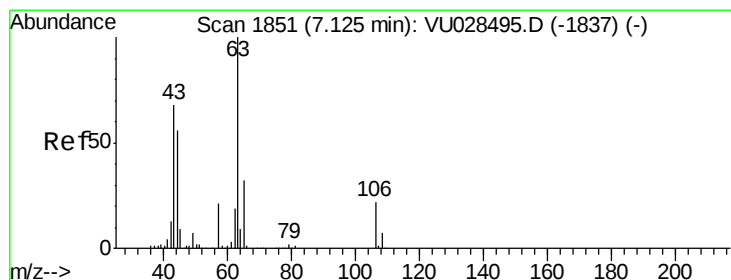
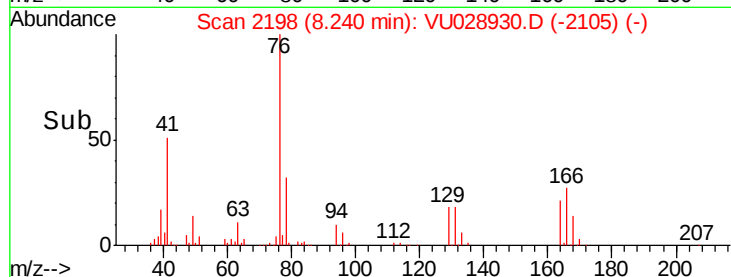
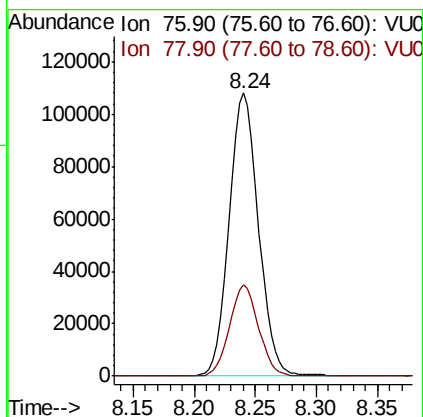
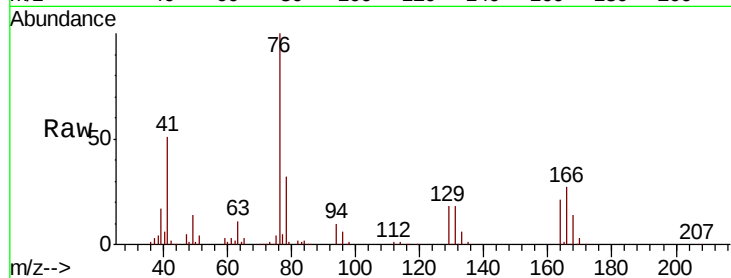




#57
 1,3-Dichloropropane
 Concen: 46.096 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

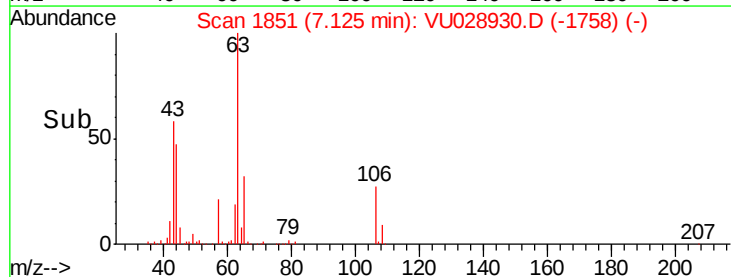
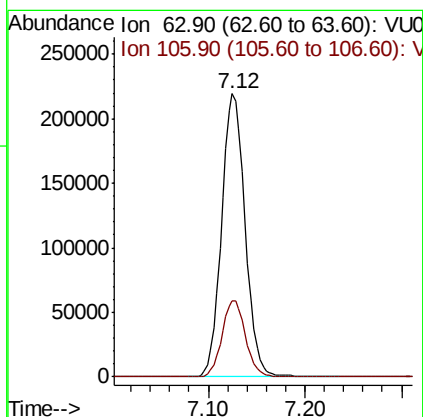
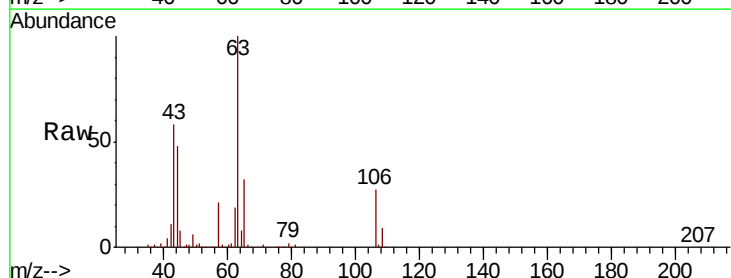
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

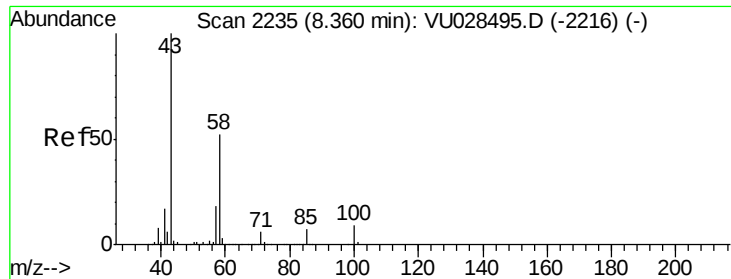
Tgt Ion: 76 Resp: 182007
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 198.309 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 63 Resp: 369980
 Ion Ratio Lower Upper
 63 100
 106 27.0 17.8 26.6#

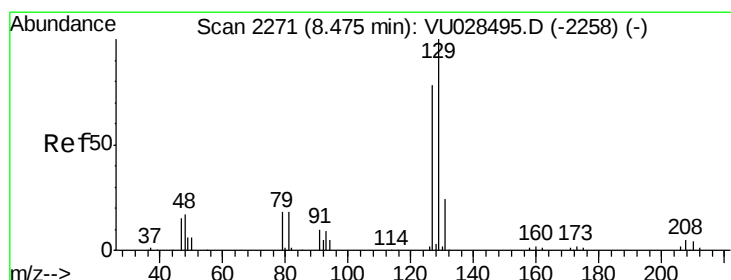
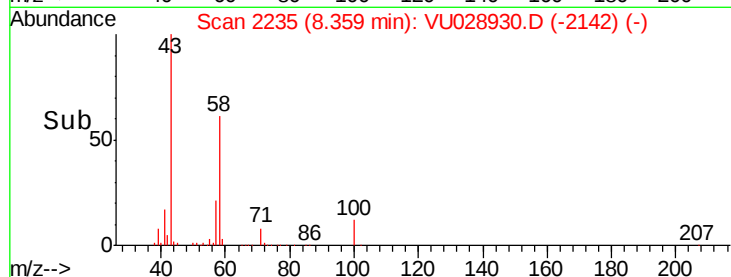
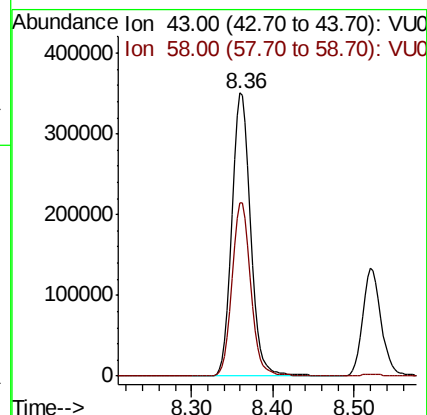
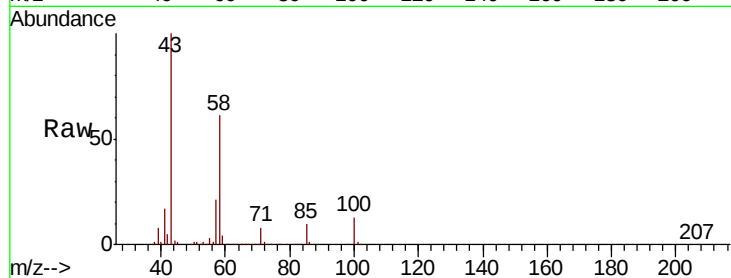




#59
2-Hexanone
Concen: 180.949 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

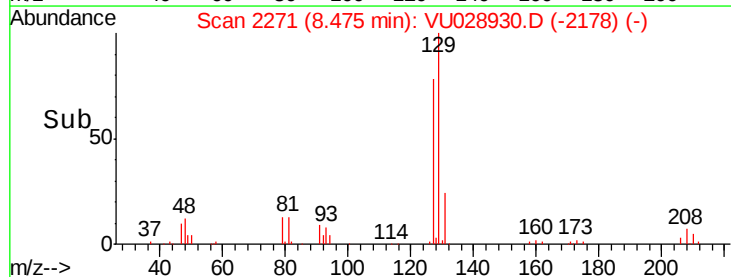
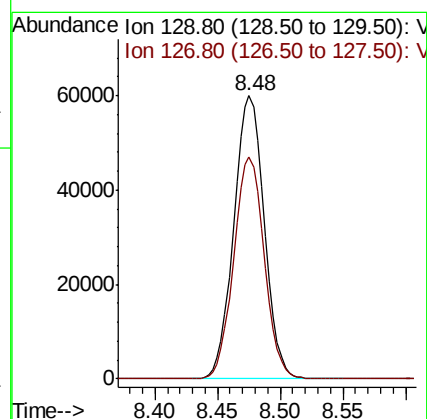
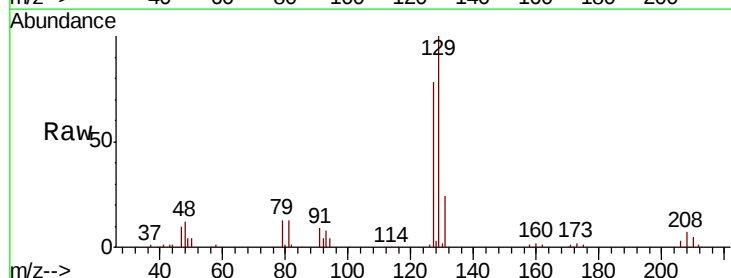
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

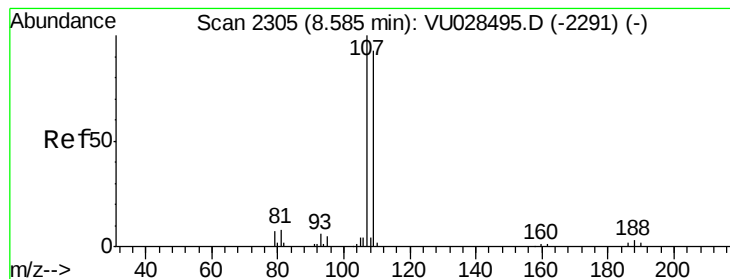
Tgt Ion: 43 Resp: 574177
Ion Ratio Lower Upper
43 100
58 61.3 25.9 77.6



#60
Dibromochloromethane
Concen: 48.652 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion: 129 Resp: 101317
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.186 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

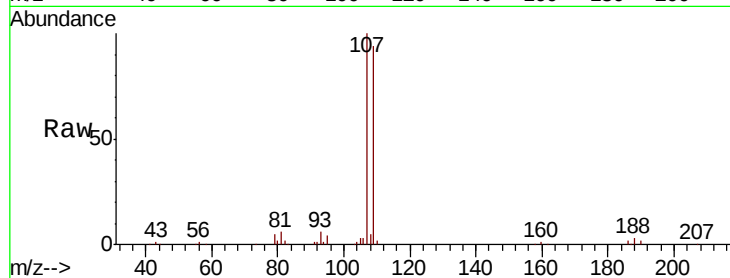
VSTDCCC050EC

Tgt Ion: 107 Resp: 116404

Ion Ratio Lower Upper

107 100

109 94.1 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

60000

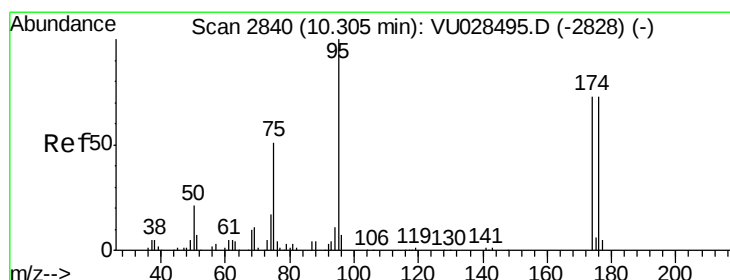
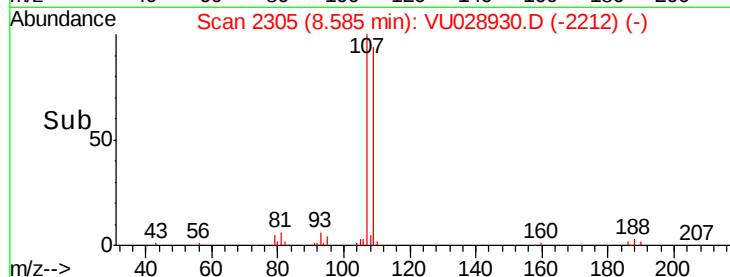
40000

20000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 49.852 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

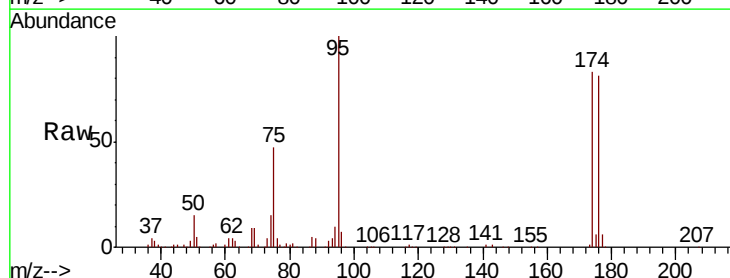
Tgt Ion: 95 Resp: 131592

Ion Ratio Lower Upper

95 100

174 84.3 0.0 150.4

176 82.6 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

10.30

100000

80000

60000

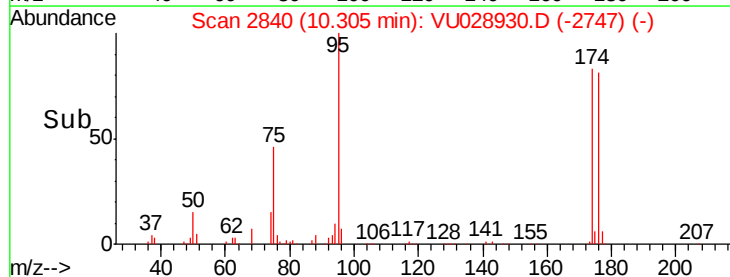
40000

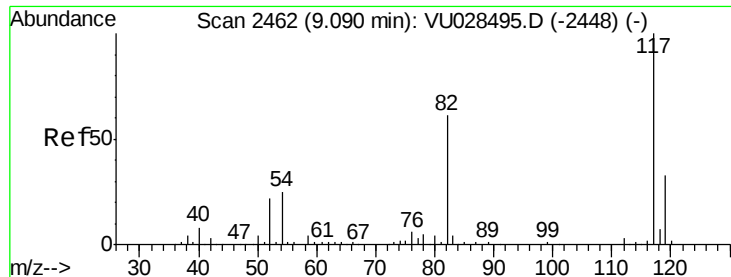
20000

0

10.30 10.40

Time-->

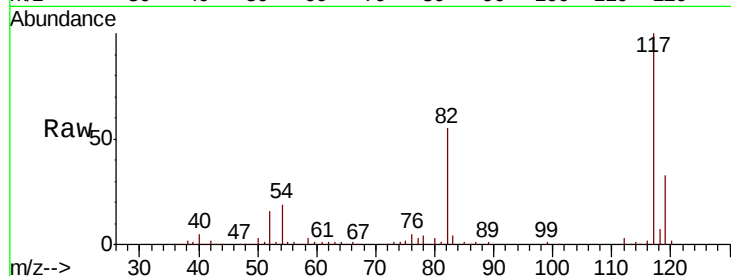




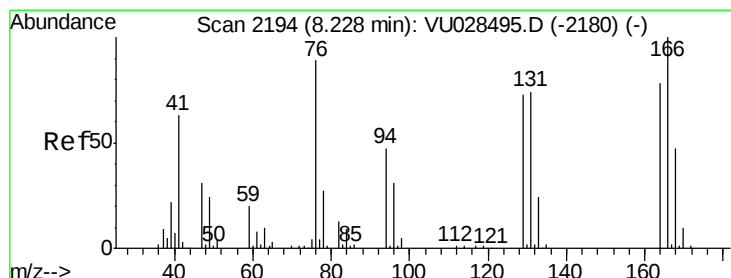
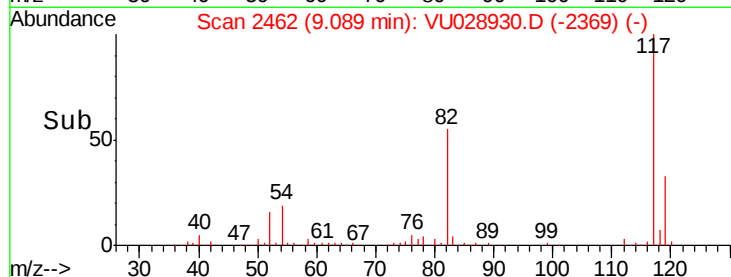
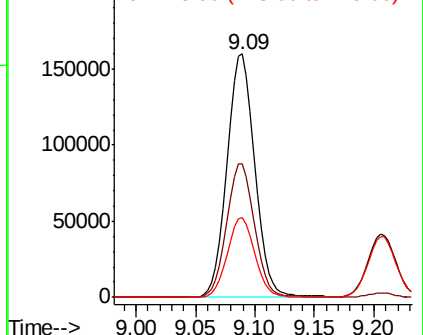
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 260089
Ion Ratio Lower Upper
117 100
82 54.9 48.9 73.3
119 32.7 26.2 39.4

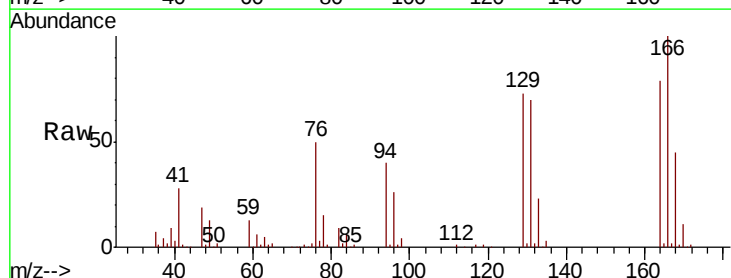


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

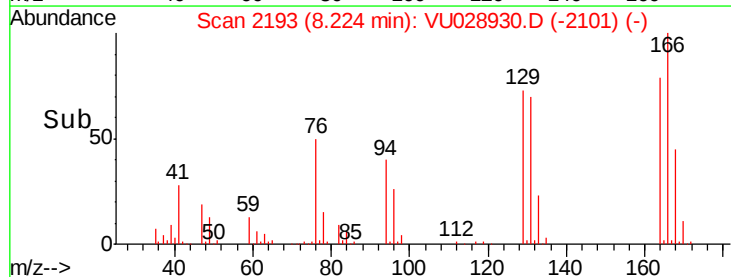
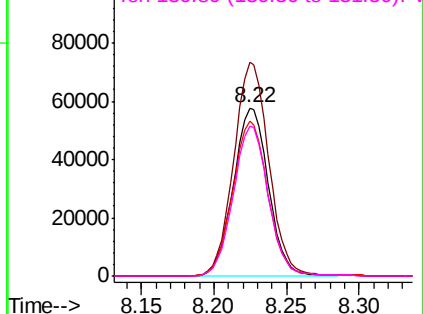


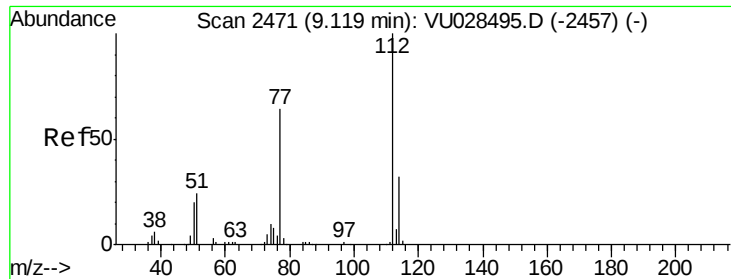
#64
Tetrachloroethene
Concen: 55.878 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion:164 Resp: 96941
Ion Ratio Lower Upper
164 100
166 127.0 101.9 152.9
129 92.1 74.9 112.3
131 89.3 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: 52.654 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

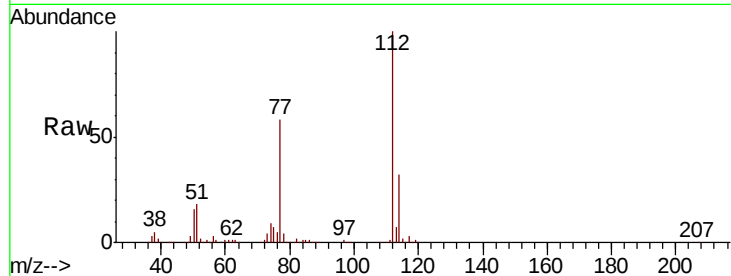
VSTDCCC050EC

Tgt Ion:112 Resp: 291820

Ion Ratio Lower Upper

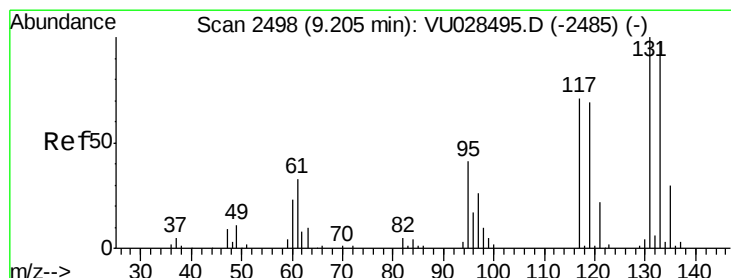
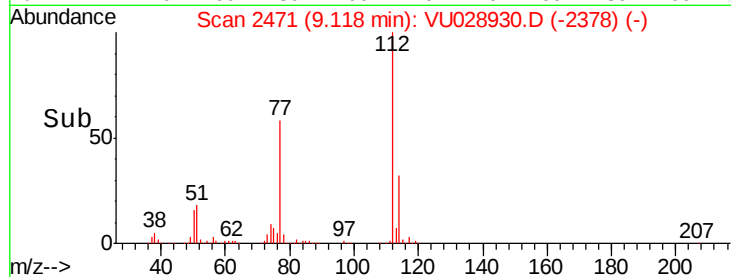
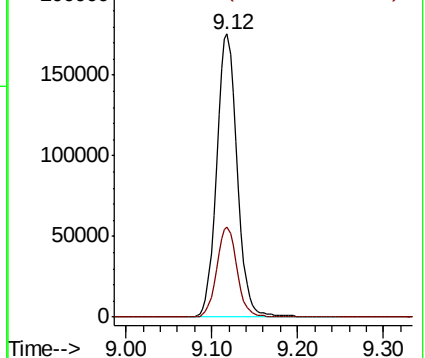
112 100

114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.938 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

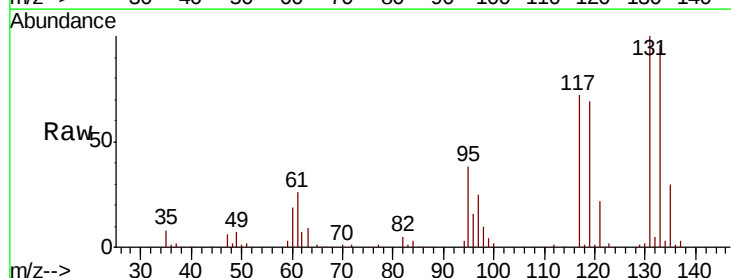
Tgt Ion:131 Resp: 95460

Ion Ratio Lower Upper

131 100

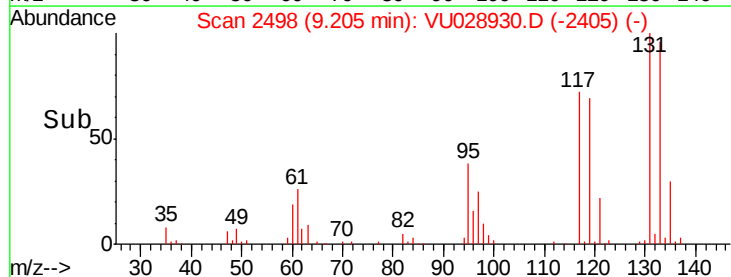
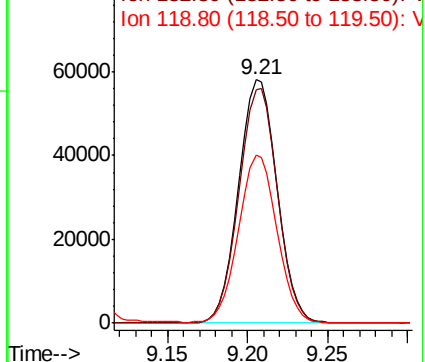
133 96.4 48.0 144.0

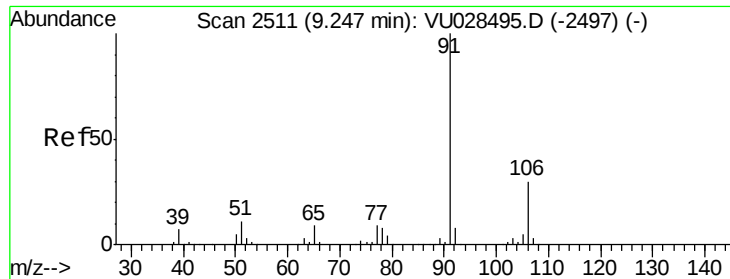
119 69.1 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

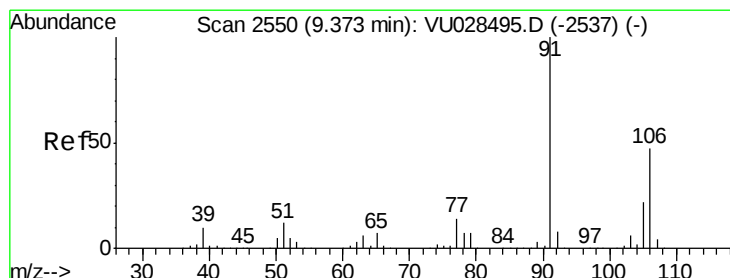
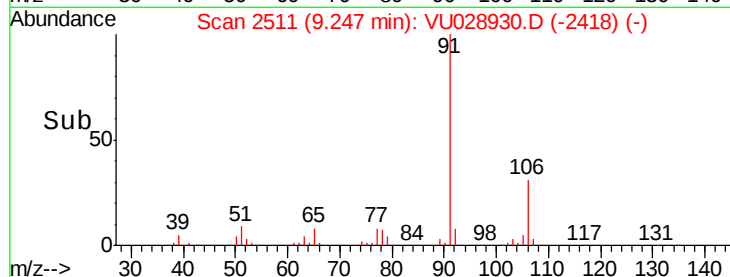
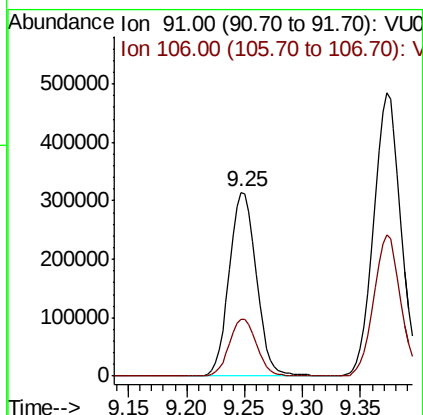
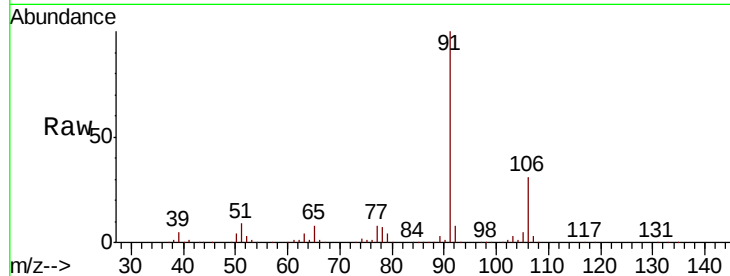




#67
 Ethyl Benzene
 Concen: 50.306 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

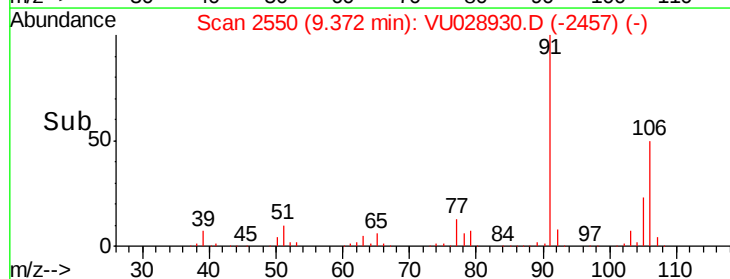
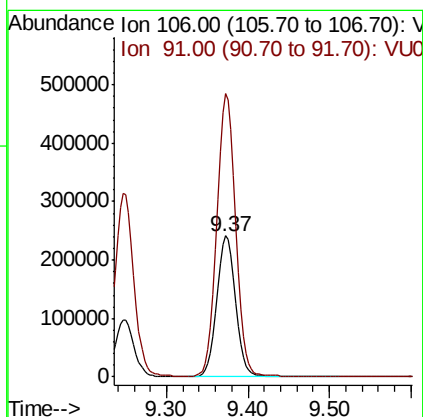
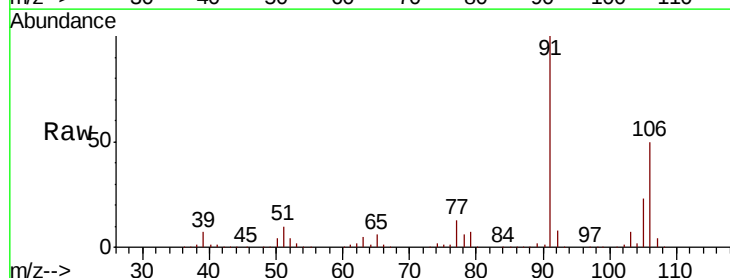
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

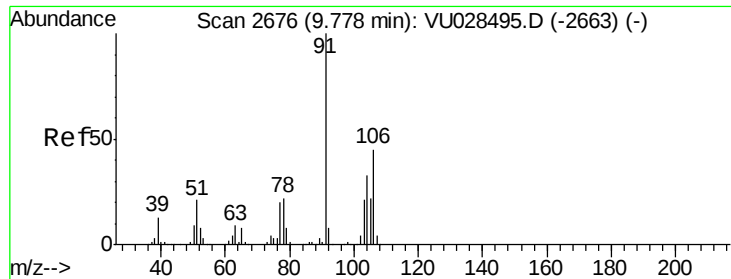
Tgt Ion: 91 Resp: 512534
 Ion Ratio Lower Upper
 91 100
 106 31.1 24.1 36.1



#68
 m/p-Xylenes
 Concen: 106.819 ug/l
 RT: 9.37 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 106 Resp: 396010
 Ion Ratio Lower Upper
 106 100
 91 201.5 167.4 251.0

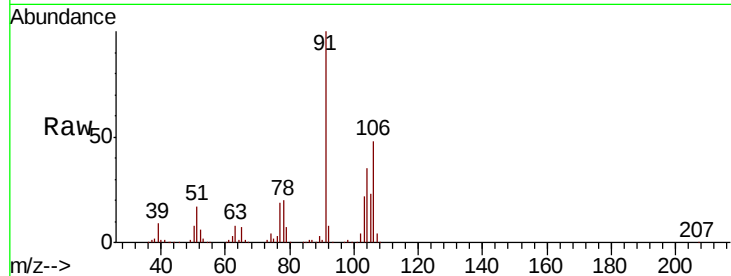




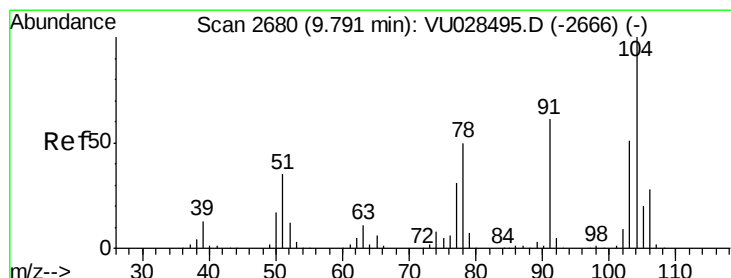
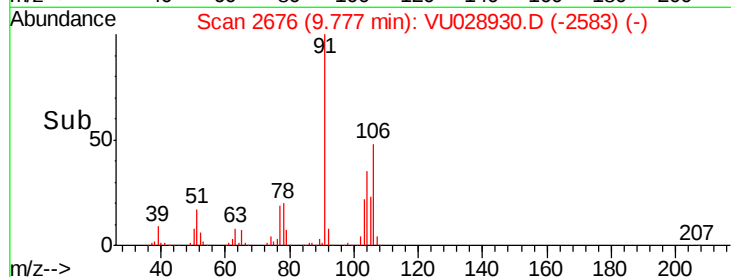
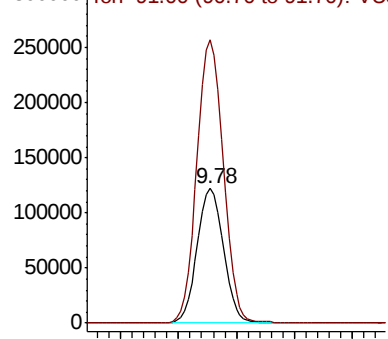
#69
o-Xylene
Concen: 53.537 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 192882
Ion Ratio Lower Upper
106 100
91 211.2 111.3 334.0

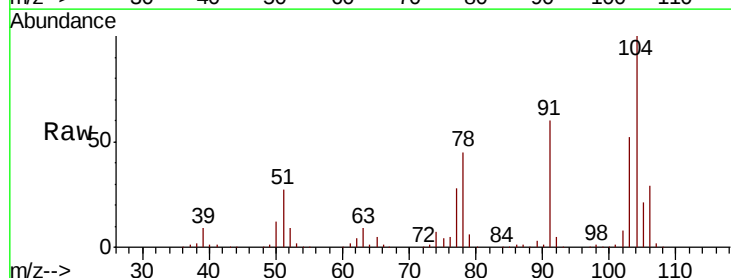


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

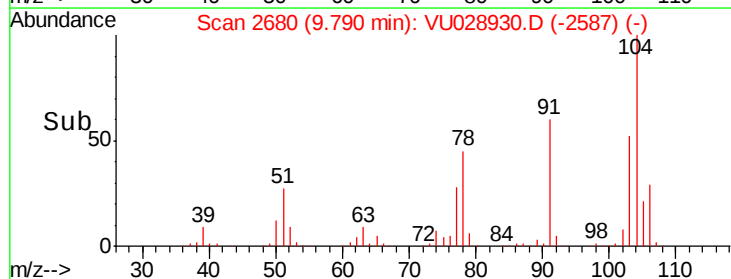
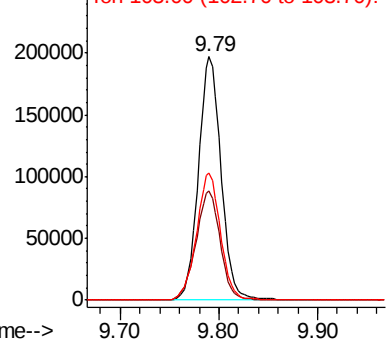


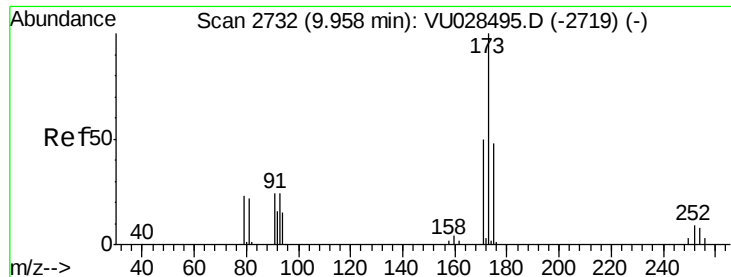
#70
Styrene
Concen: 53.235 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion:104 Resp: 317400
Ion Ratio Lower Upper
104 100
78 48.3 43.0 64.6
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

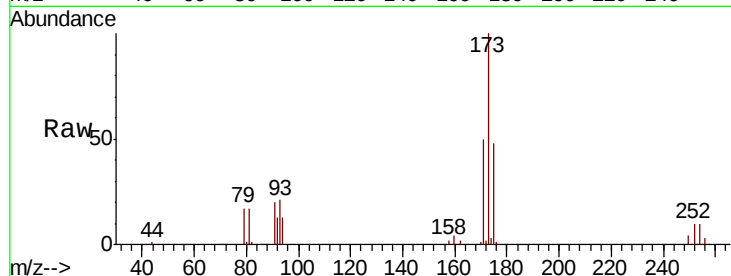




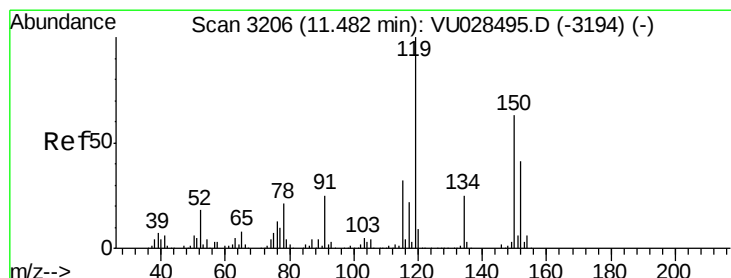
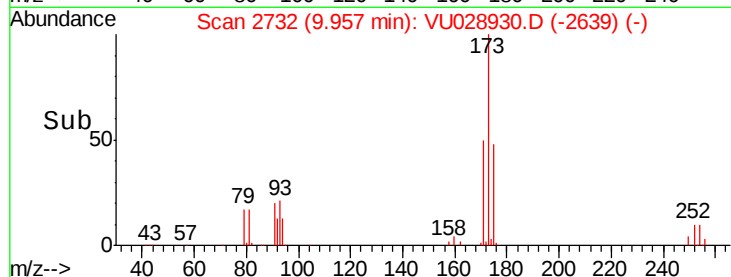
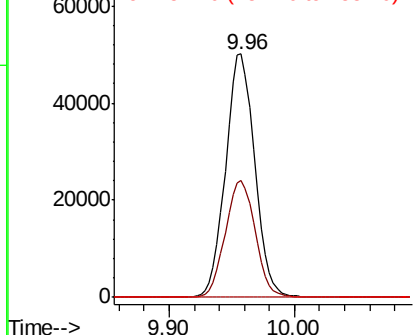
#71
Bromoform
Concen: 53.719 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 80877
Ion Ratio Lower Upper
173 100
175 49.1 23.9 71.8
254 0.0 0.0 0.0#

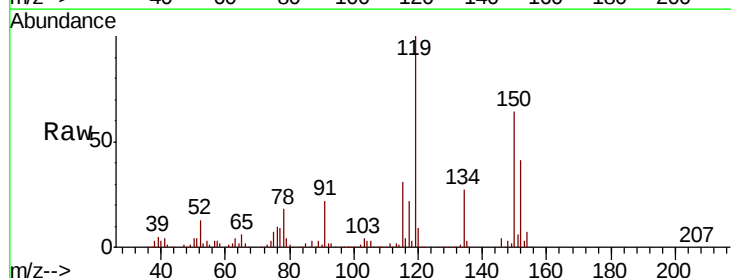


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

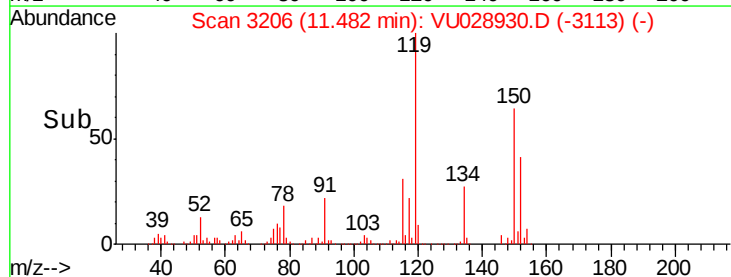
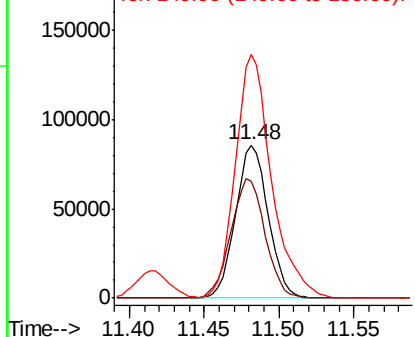


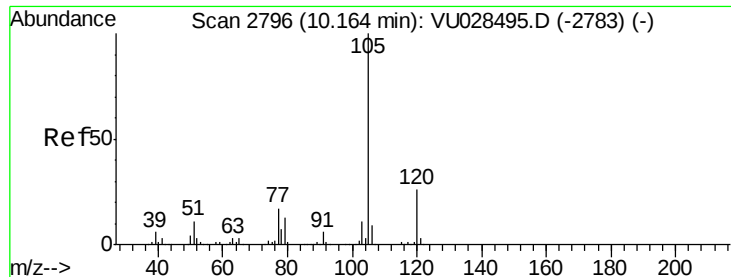
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion:152 Resp: 130270
Ion Ratio Lower Upper
152 100
115 81.8 42.7 128.1
150 177.0 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: 50.248 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

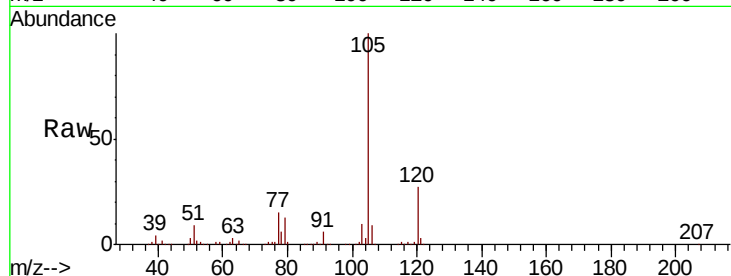
VSTDCCC050EC

Tgt Ion:105 Resp: 502280

Ion Ratio Lower Upper

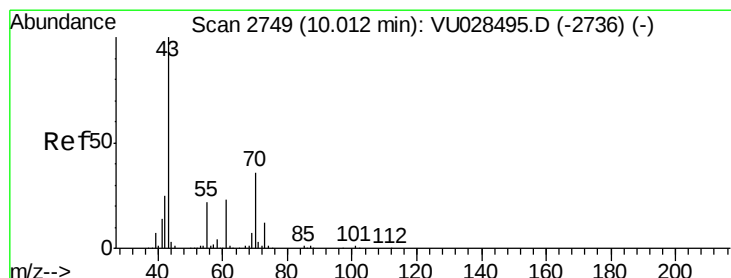
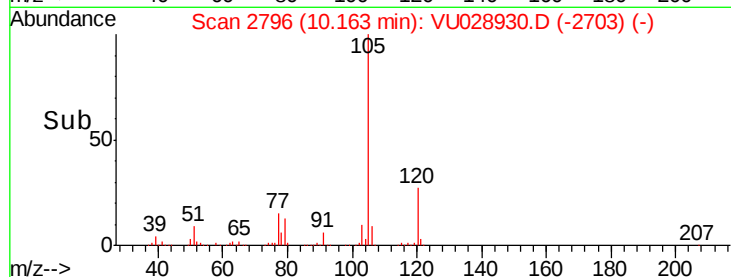
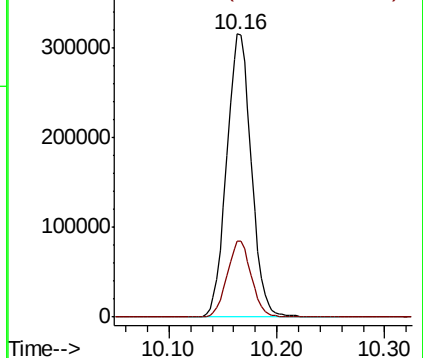
105 100

120 26.5 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: 36.733 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Tgt Ion: 43 Resp: 211803

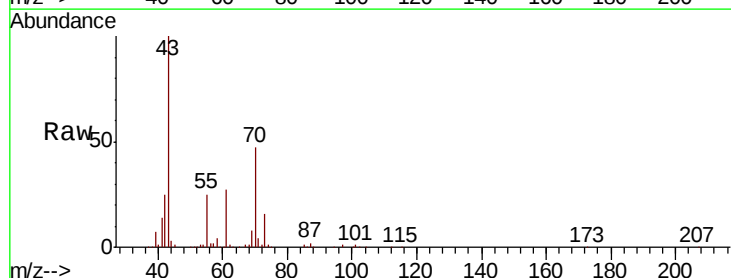
Ion Ratio Lower Upper

43 100

70 46.6 29.3 43.9#

55 25.5 18.0 27.0

61 27.3 18.3 27.5

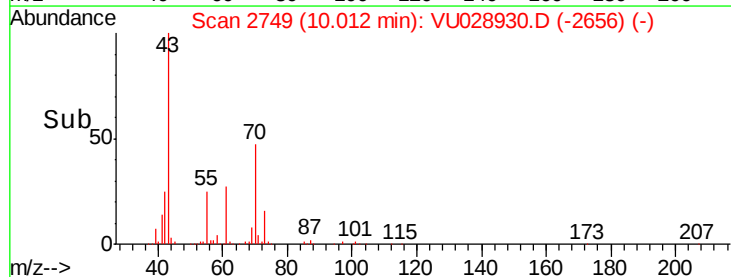
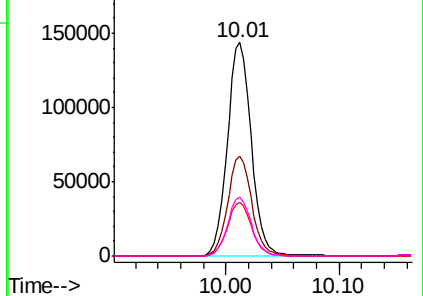


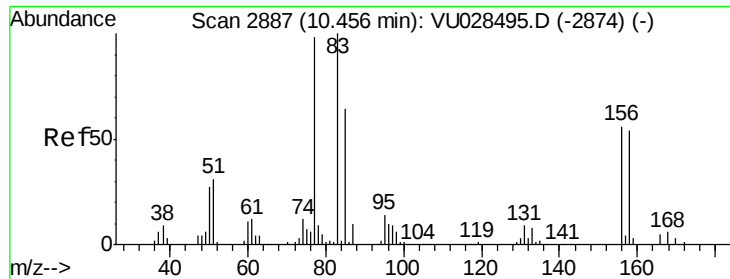
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 47.751 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

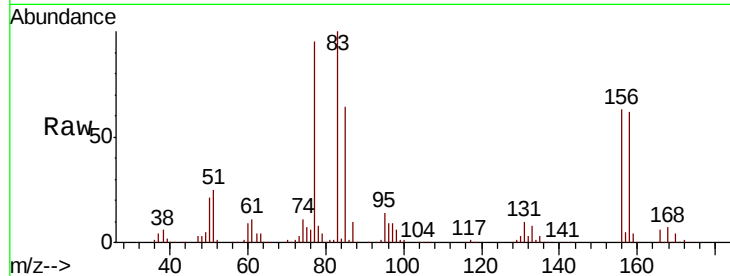
Tgt Ion: 83 Resp: 183360

Ion Ratio Lower Upper

83 100

131 10.0 4.2 12.4

85 65.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028930.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028930.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028930.D (-2874) (-)

10.46

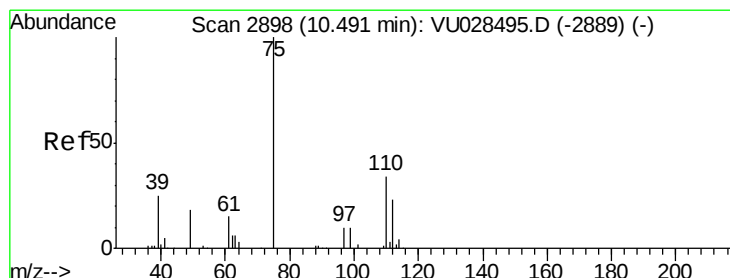
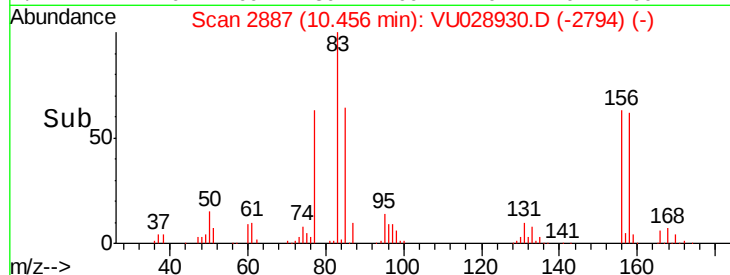
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 63.940 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028930.D

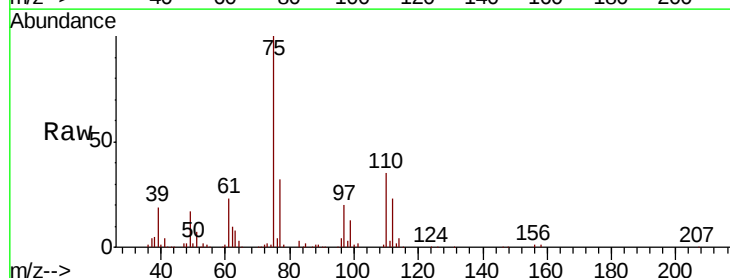
Acq: 22 Dec 2018 21:27

Tgt Ion: 75 Resp: 212694

Ion Ratio Lower Upper

75 100

77 30.5 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028930.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028930.D (-2805) (-)

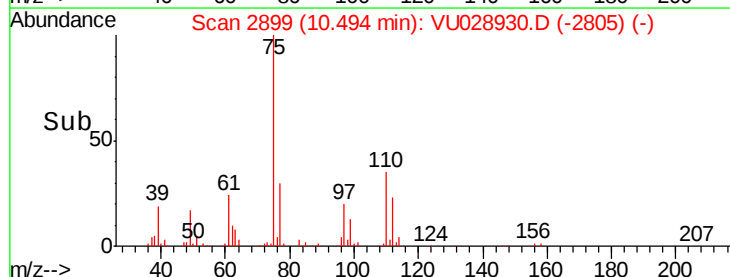
150000

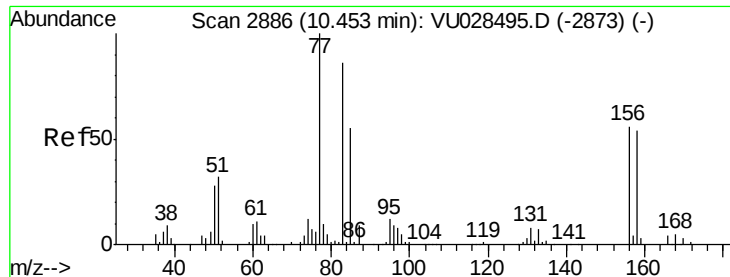
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 55.424 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

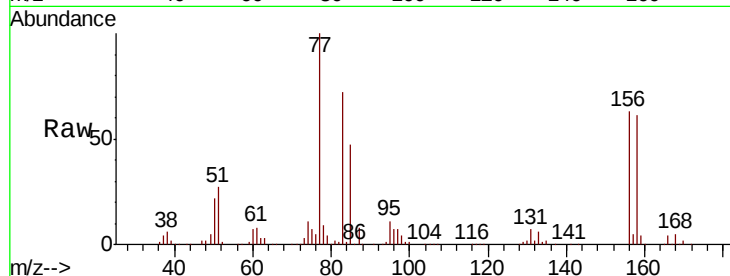
Tgt Ion:156 Resp: 129571

Ion Ratio Lower Upper

156 100

77 154.8 92.4 277.2

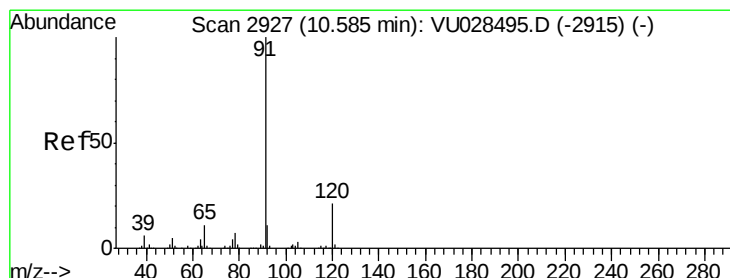
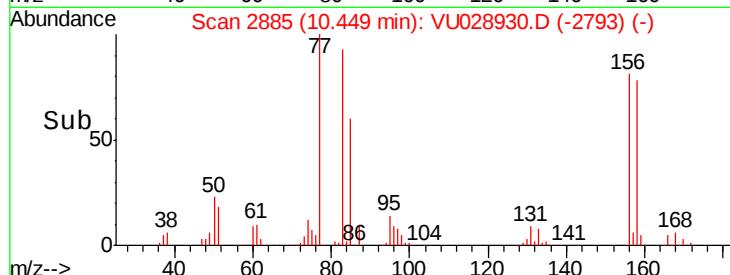
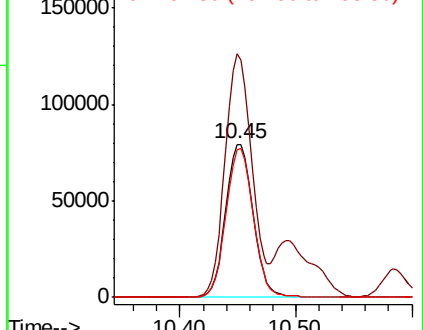
158 96.7 48.4 145.3



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: 47.715 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028930.D

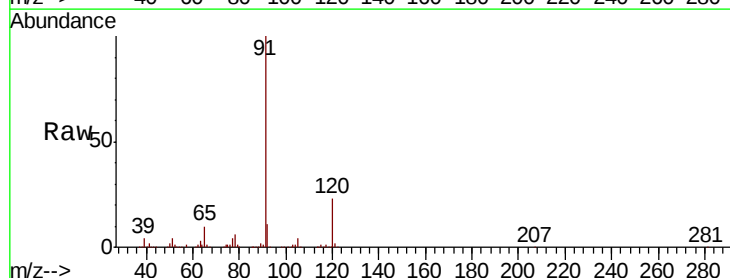
Acq: 22 Dec 2018 21:27

Tgt Ion: 91 Resp: 592676

Ion Ratio Lower Upper

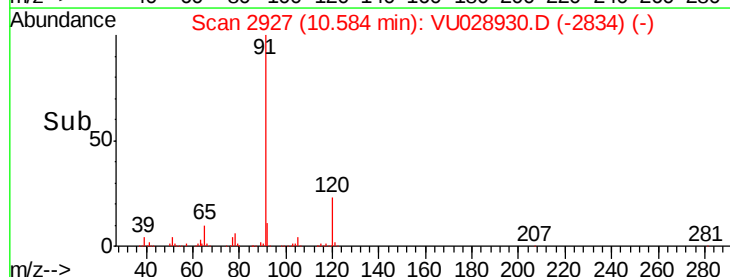
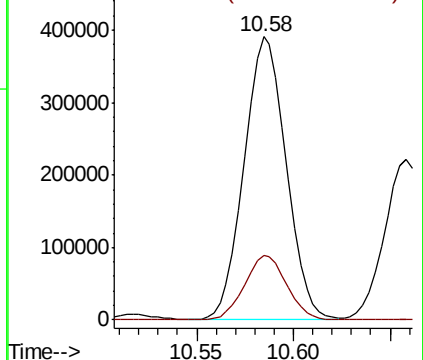
91 100

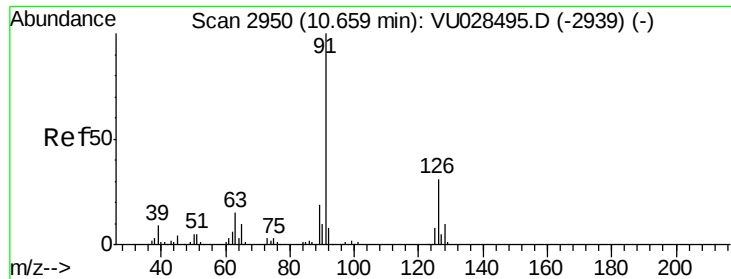
120 22.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

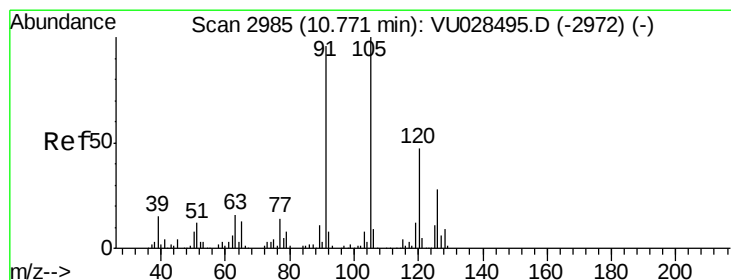
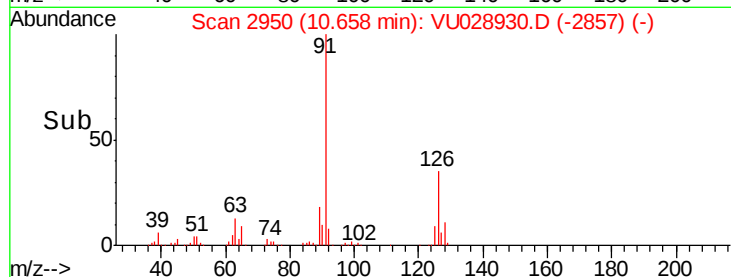
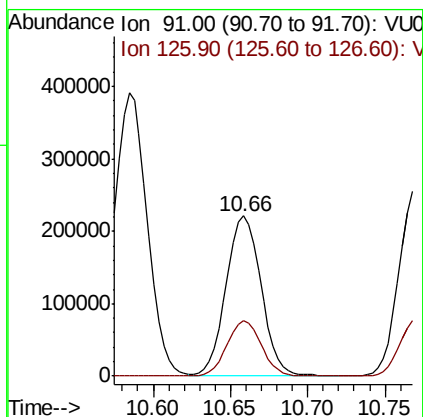
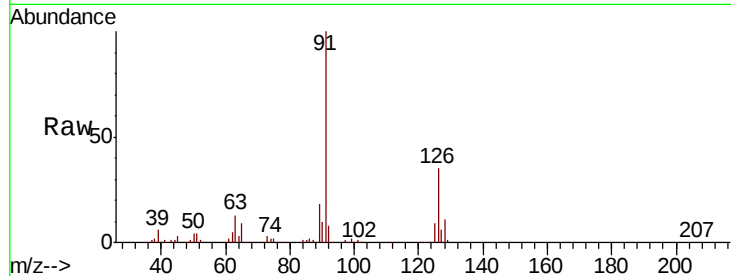




#79
 2-Chlorotoluene
 Concen: 48.837 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

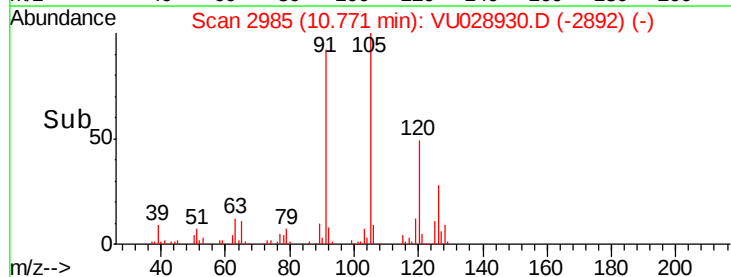
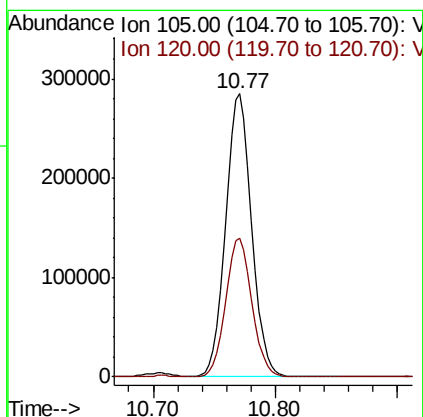
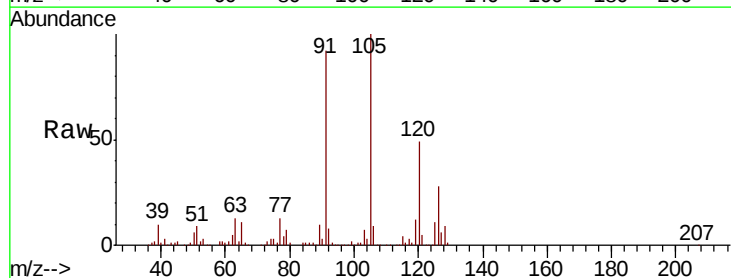
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

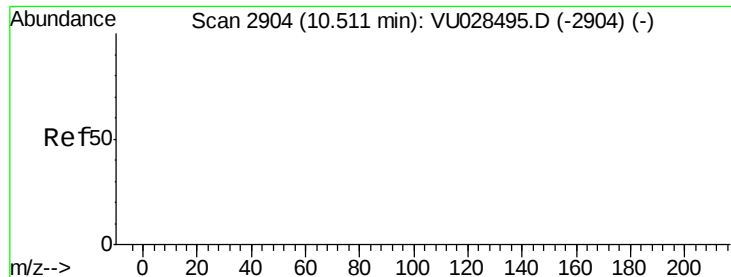
Tgt Ion: 91 Resp: 349421
 Ion Ratio Lower Upper
 91 100
 126 34.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.299 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 105 Resp: 424471
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 156.084 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

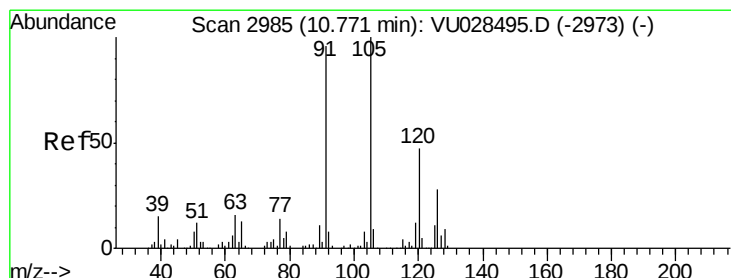
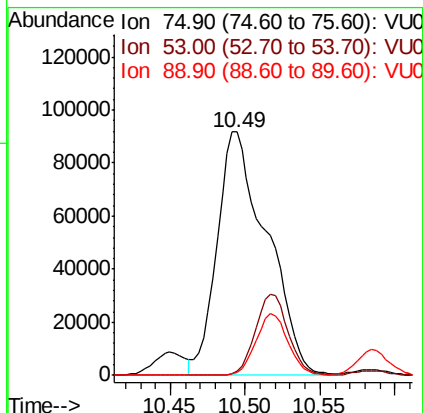
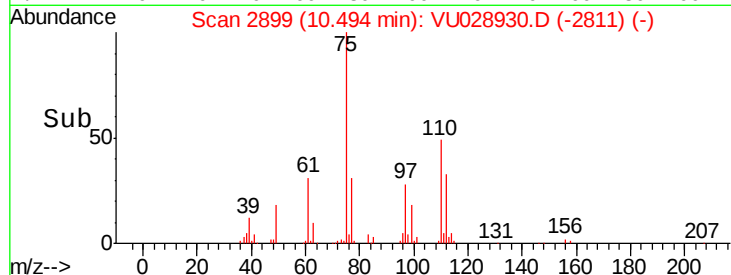
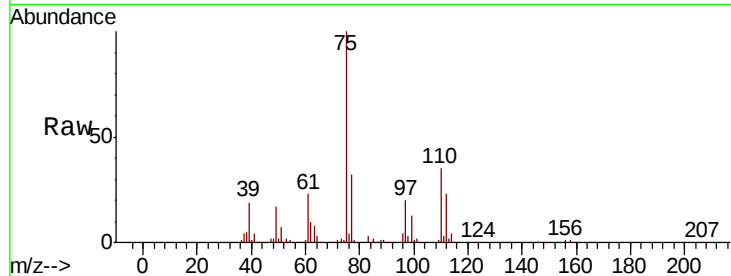
Tgt Ion: 75 Resp: 212694

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 46.871 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028930.D

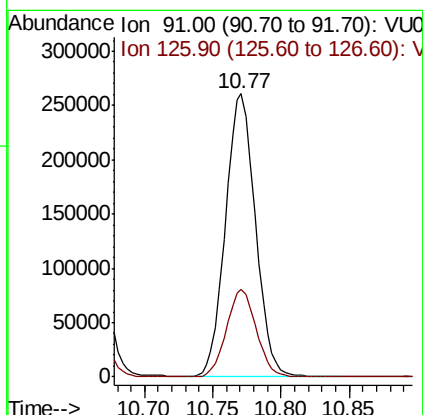
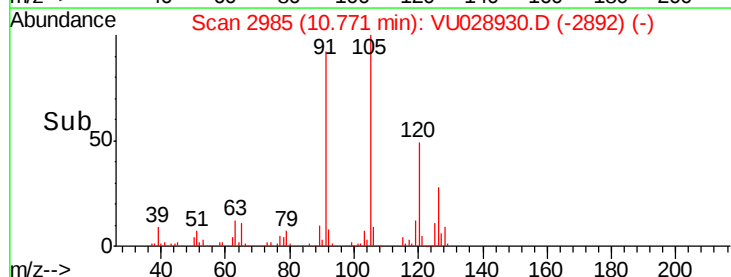
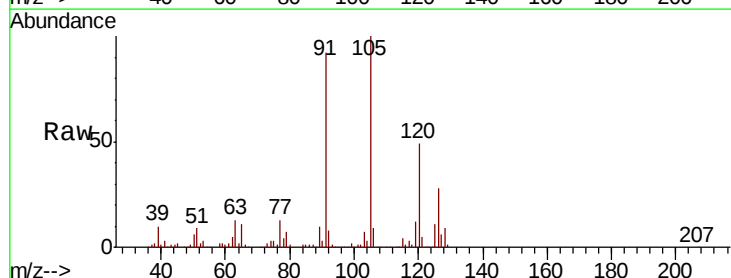
Acq: 22 Dec 2018 21:27

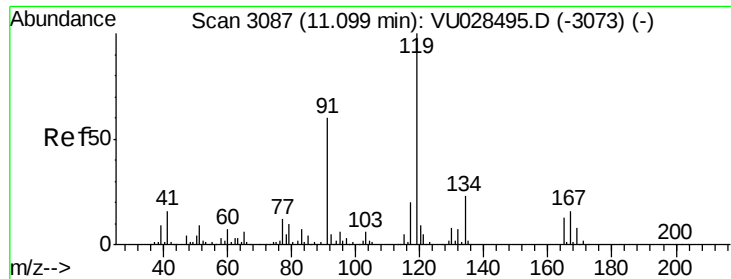
Tgt Ion: 91 Resp: 397403

Ion Ratio Lower Upper

91 100

126 30.8 14.1 42.3

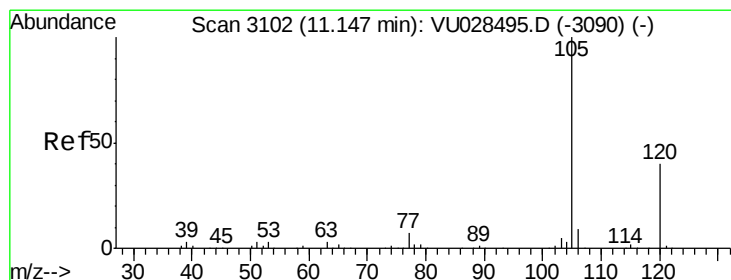
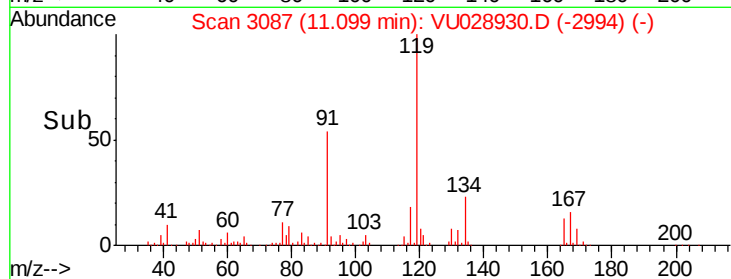
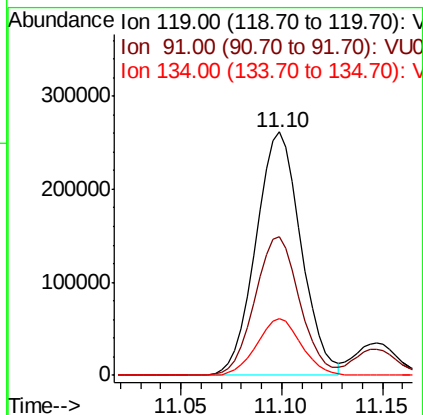
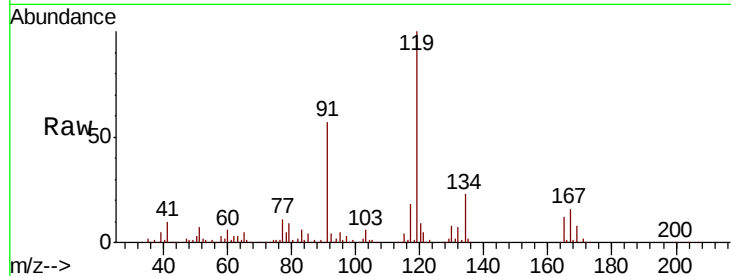




#83
 tert-Butylbenzene
 Concen: 51.170 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

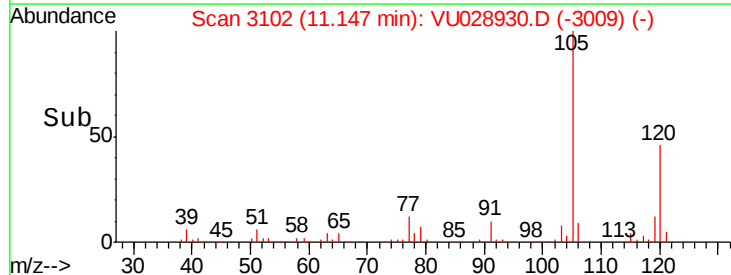
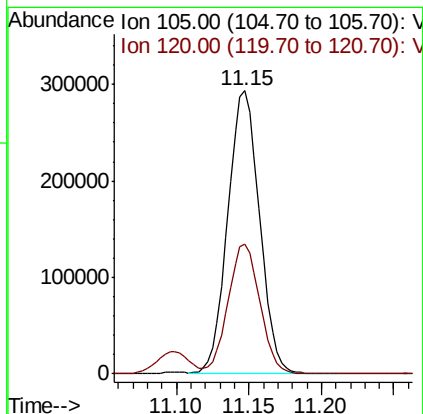
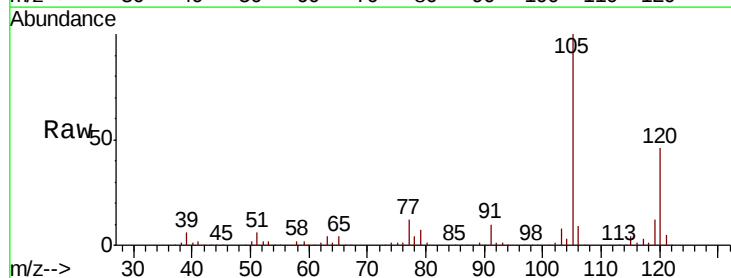
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

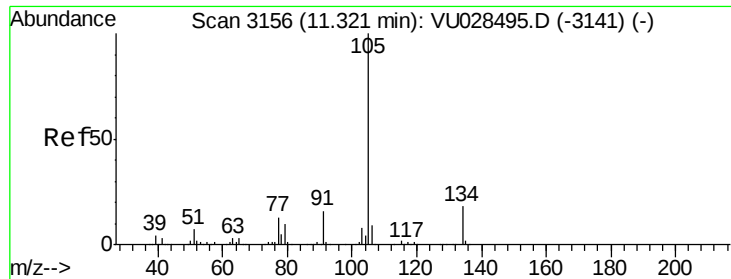
Tgt Ion:119 Resp: 408105
 Ion Ratio Lower Upper
 119 100
 91 56.8 30.3 91.0
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 52.195 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion:105 Resp: 445091
 Ion Ratio Lower Upper
 105 100
 120 46.0 21.8 65.4

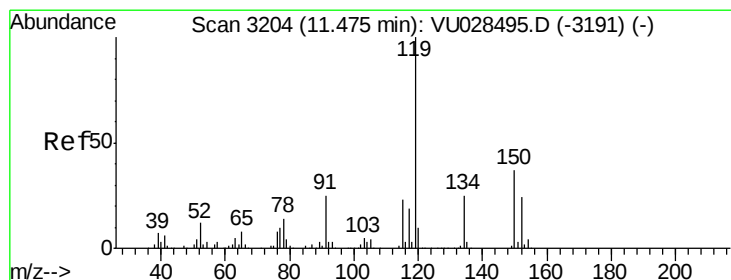
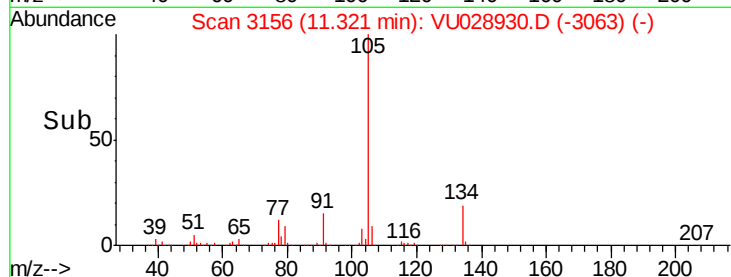
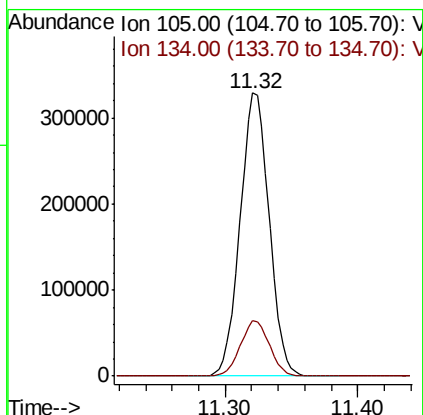
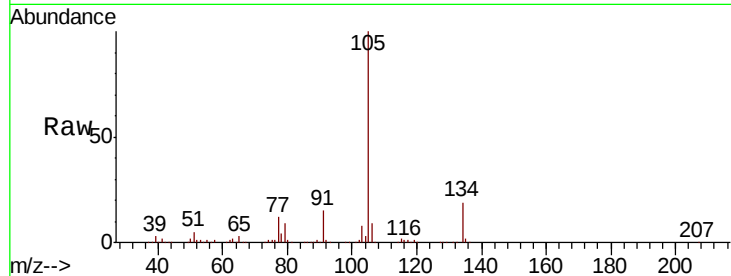




#85
 sec-Butylbenzene
 Concen: 48.680 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

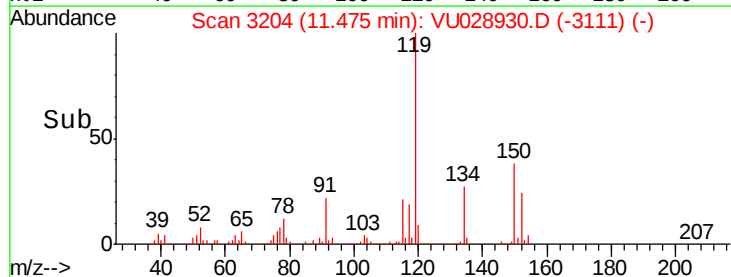
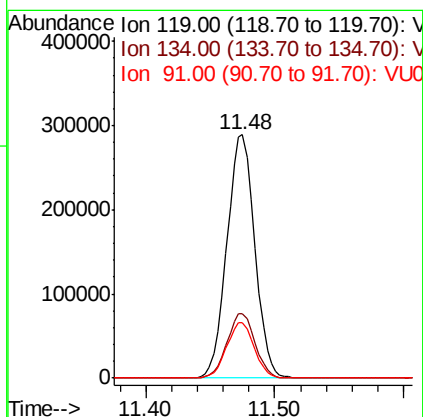
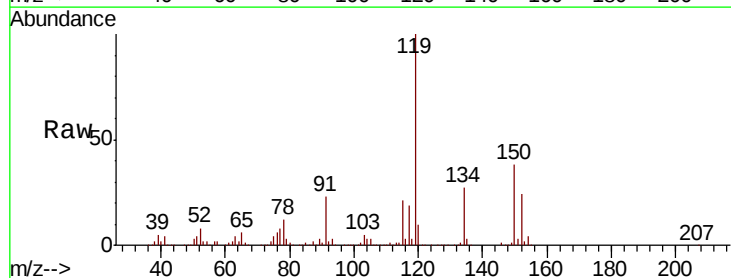
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

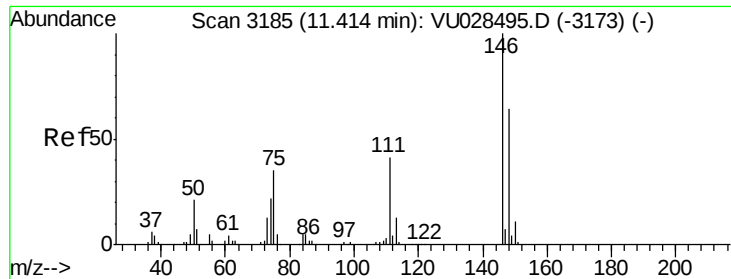
Tgt Ion:105 Resp: 498764
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 49.576 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion:119 Resp: 431486
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.7 38.1
 91 22.7 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 52.592 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

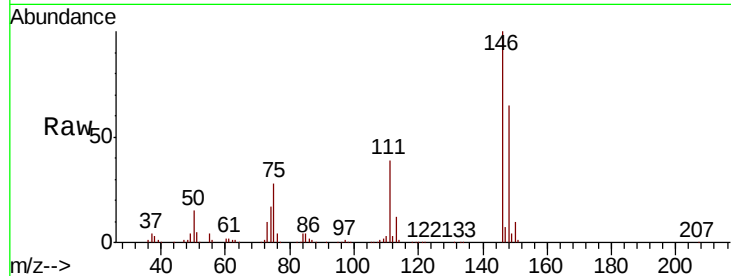
Instrument :

MSVOA_U

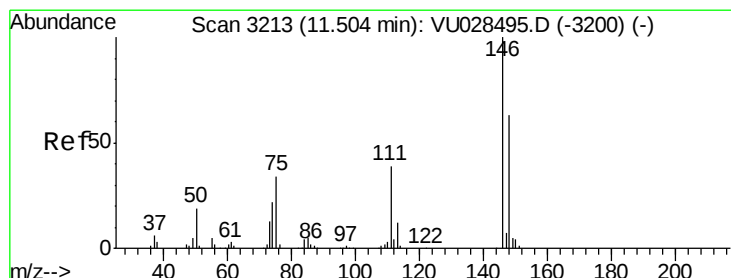
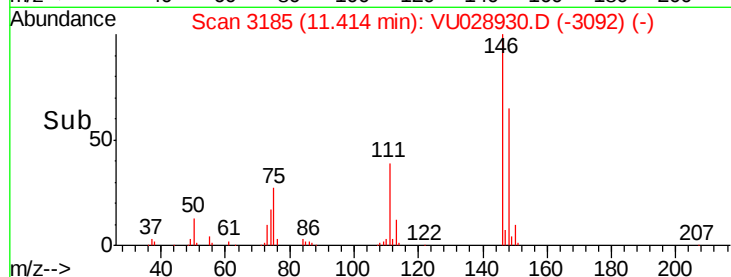
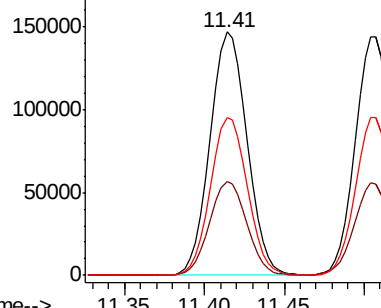
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	232165
Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.7	62.1
148	64.5	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: 50.392 ug/l

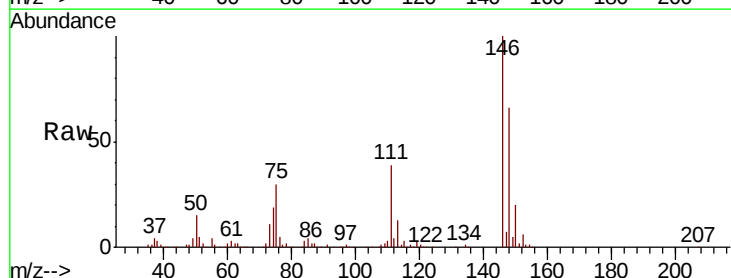
RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

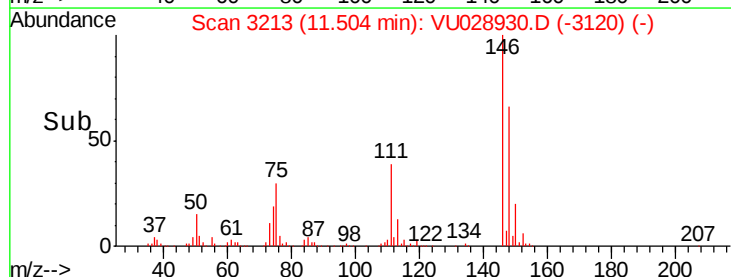
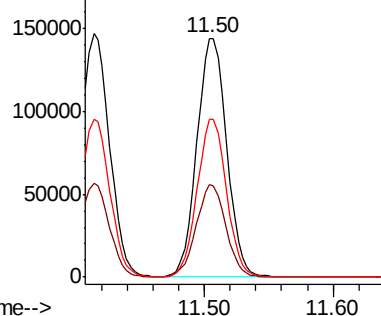
Lab File: VU028930.D

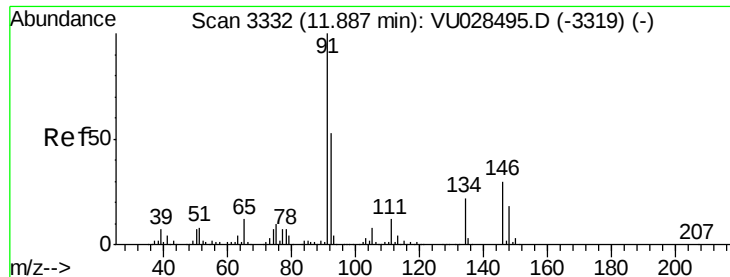
Acq: 22 Dec 2018 21:27

Tgt Ion:	146	Resp:	230151
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.2	60.5
148	65.2	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: 43.976 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028930.D

Acq: 22 Dec 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

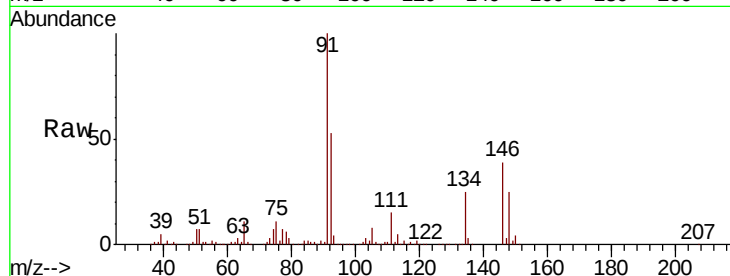
Tgt Ion: 91 Resp: 387355

Ion Ratio Lower Upper

91 100

92 53.4 26.3 78.9

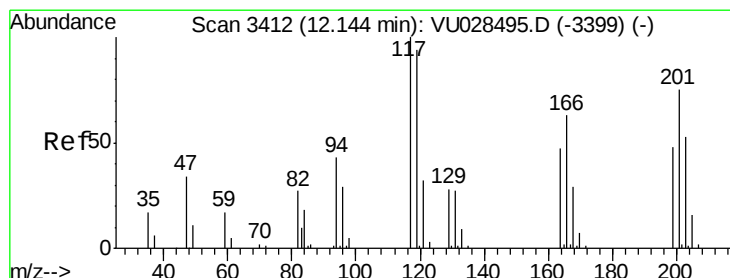
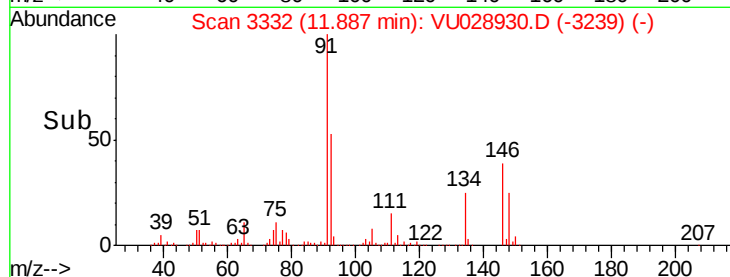
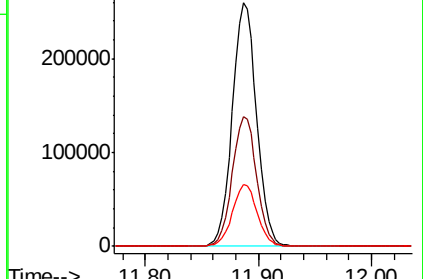
134 26.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)



#90

Hexachloroethane

Concen: 46.006 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028930.D

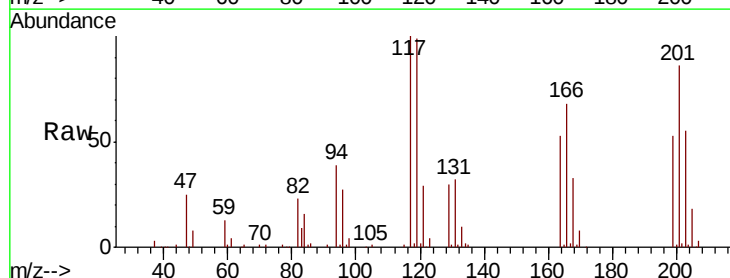
Acq: 22 Dec 2018 21:27

Tgt Ion: 117 Resp: 60521

Ion Ratio Lower Upper

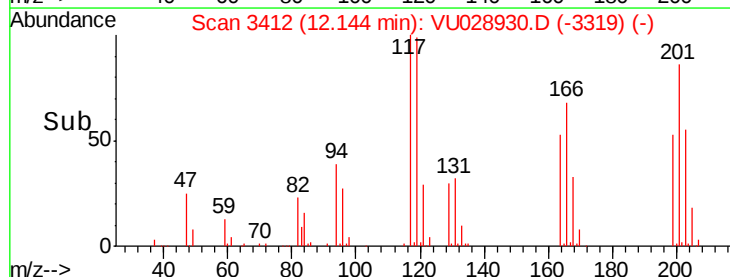
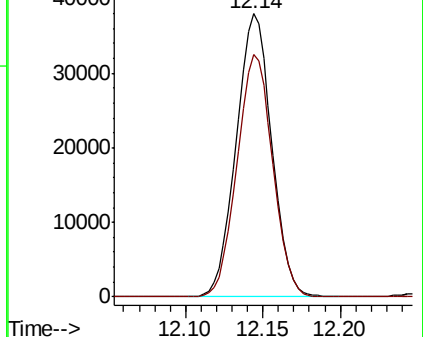
117 100

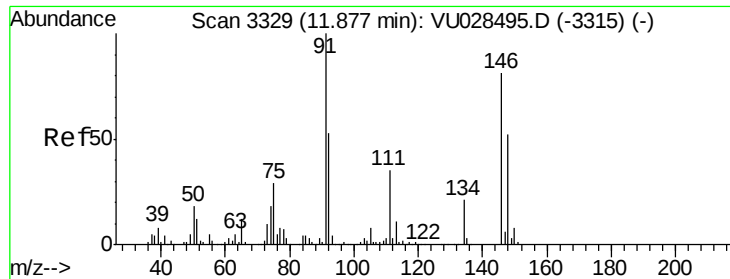
201 85.9 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

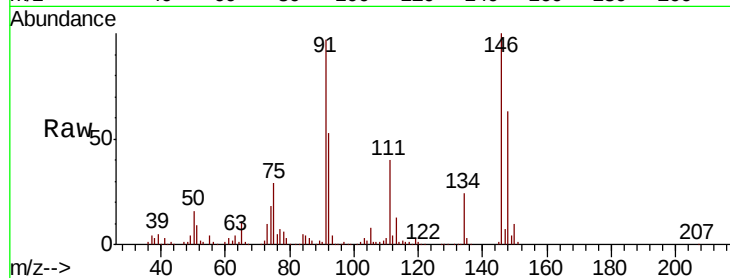




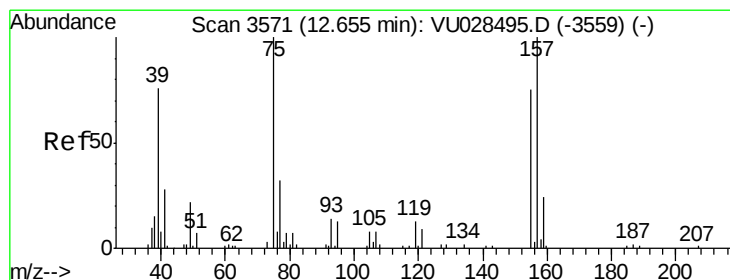
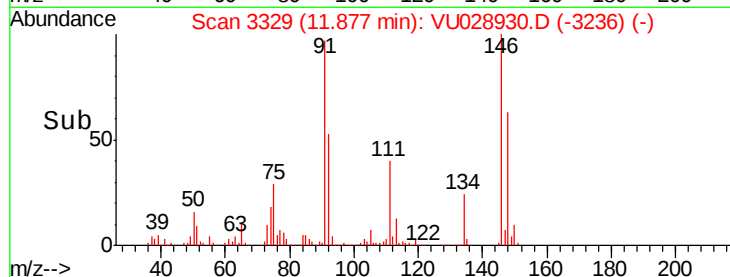
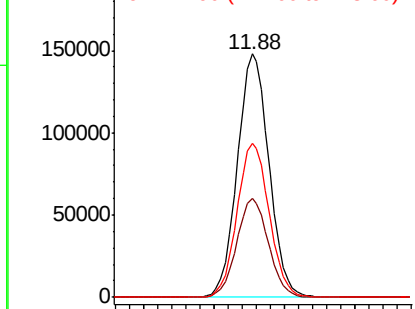
#91
 1,2-Dichlorobenzene
 Concen: 52.715 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 232773
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.4
 148 64.3 31.4 94.2

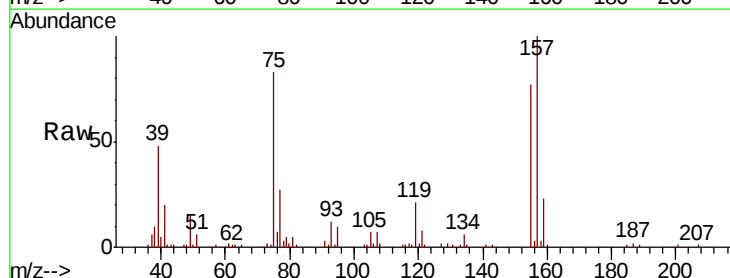


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

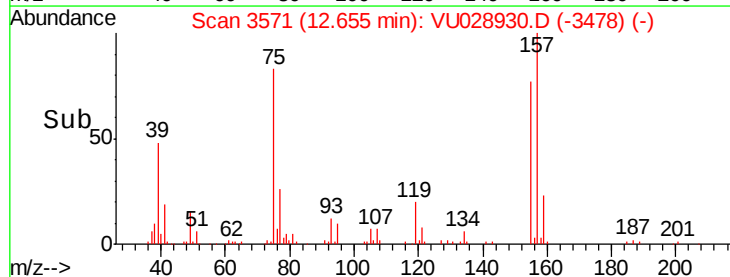
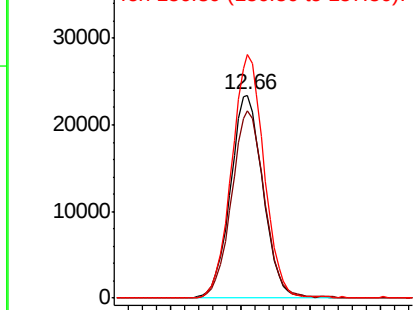


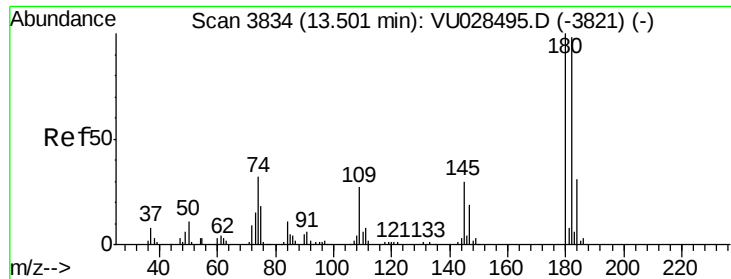
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.633 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion: 75 Resp: 37936
 Ion Ratio Lower Upper
 75 100
 155 92.5 38.1 114.5
 157 118.6 48.7 146.1



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

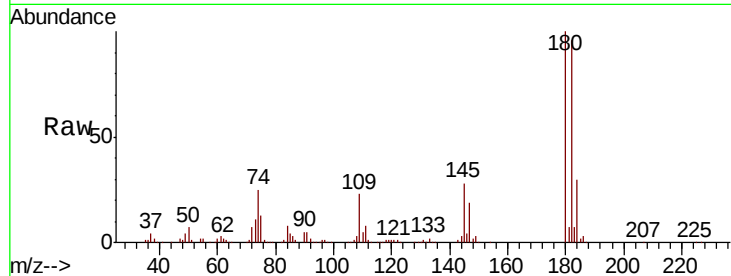




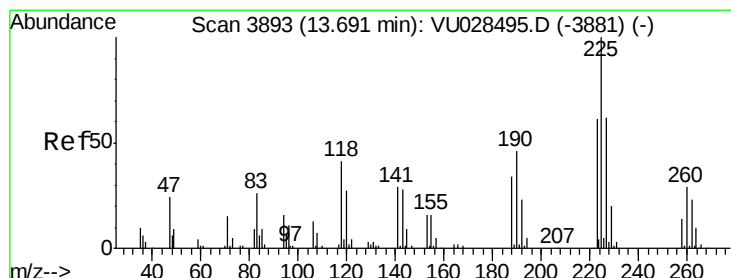
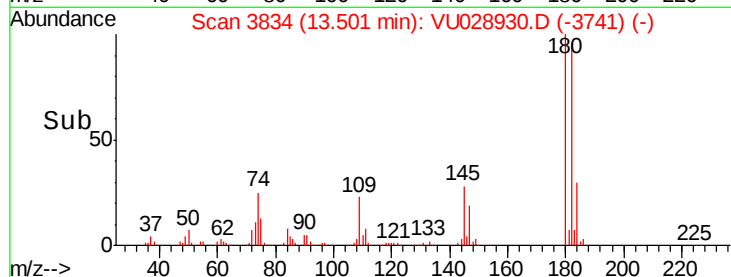
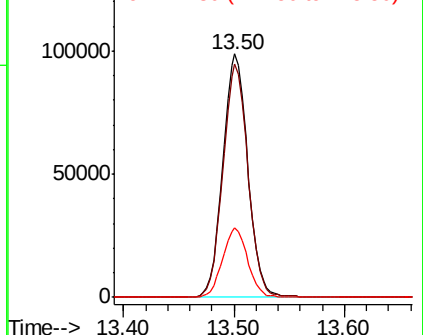
#93
 1,2,4-Trichlorobenzene
 Concen: 51.249 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 155568
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.9 143.8
 145 28.8 15.0 45.1

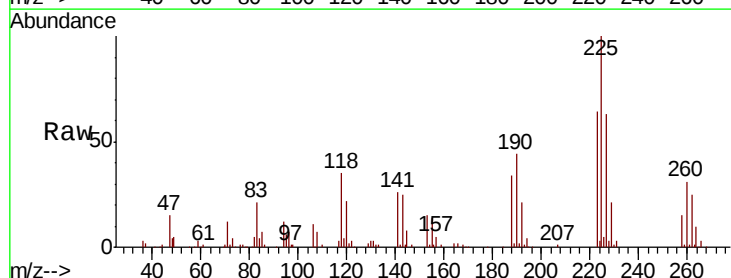


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

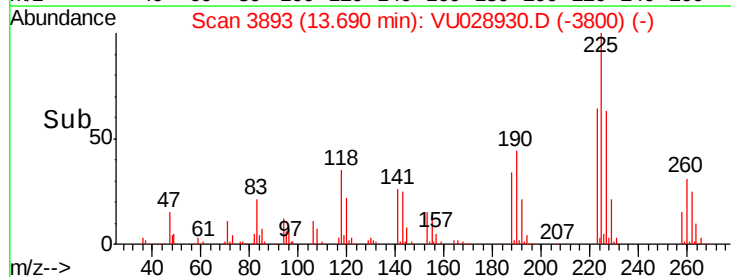
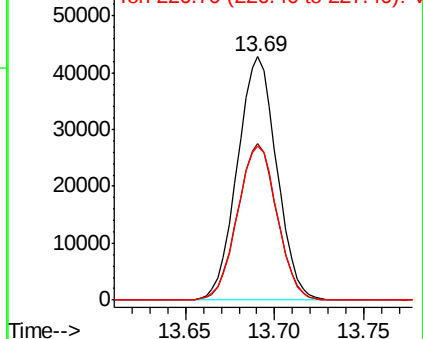


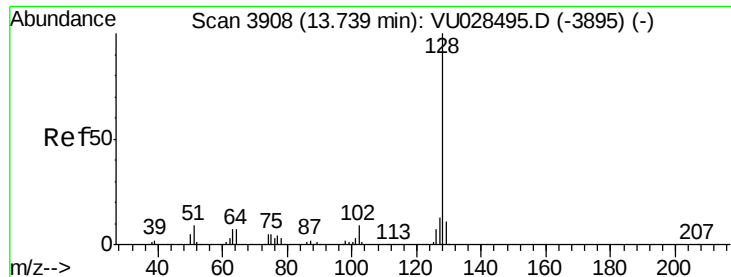
#94
 Hexachlorobutadiene
 Concen: 45.640 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028930.D
 Acq: 22 Dec 2018 21:27

Tgt Ion:225 Resp: 66015
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.4 91.2
 227 64.1 30.7 92.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

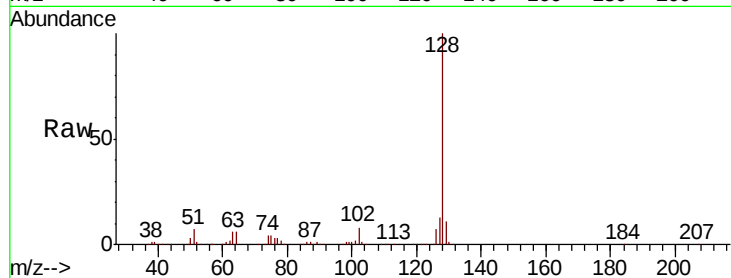




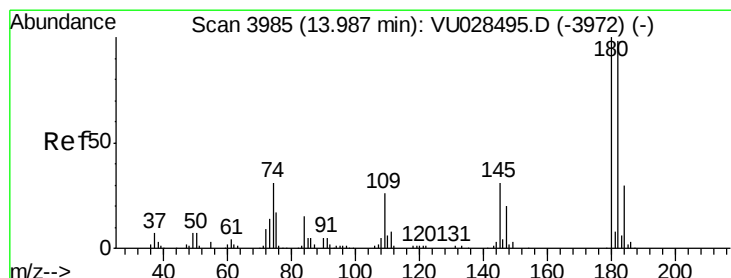
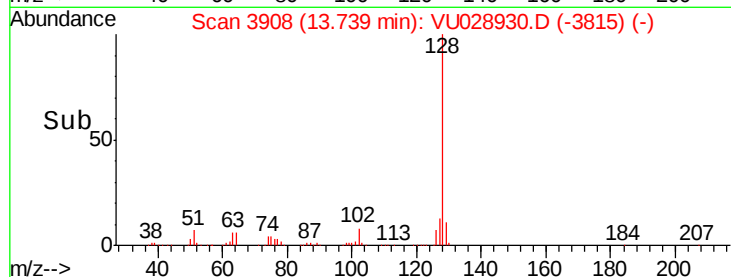
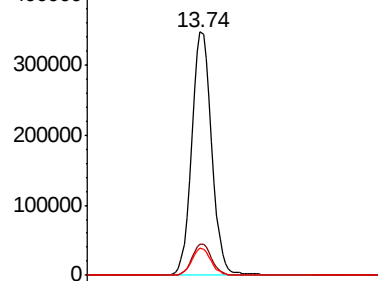
#95
Naphthalene
Concen: 52.926 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 560802
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.6 13.0

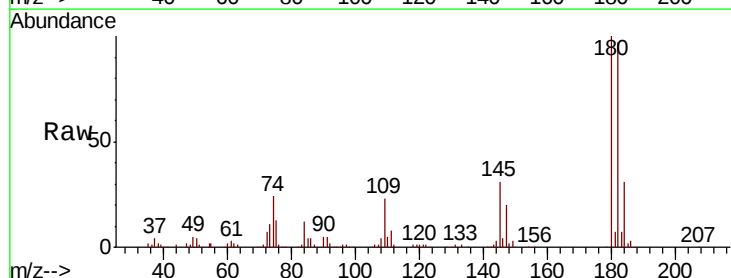


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.418 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028930.D
Acq: 22 Dec 2018 21:27

Tgt Ion:180 Resp: 158317
Ion Ratio Lower Upper
180 100
182 96.6 48.2 144.6
145 30.8 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

