

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028575.D
 Acq On : 11 Dec 2018 01:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 11 03:43:28 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	83499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	147631	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66375	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	4.88	113	47421	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	7.57	98	189651	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	10.30	95	68606	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	55860	49.911	ug/l	99
3) Chloromethane	1.33	50	100058	48.628	ug/l	98
4) Vinyl Chloride	1.40	62	74256	50.007	ug/l	100
5) Bromomethane	1.61	94	30774	51.448	ug/l	99
6) Chloroethane	1.68	64	42457	50.505	ug/l	98
7) Trichlorofluoromethane	1.88	101	79346	50.789	ug/l	99
8) Diethyl Ether	2.10	74	34948	47.813	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46884	50.178	ug/l	97
10) Methyl Iodide	2.41	142	42479	57.941	ug/l	100
11) Tert butyl alcohol	2.83	59	86613	305.085	ug/l	100
12) 1,1-Dichloroethene	2.28	96	46806	50.347	ug/l	98
13) Acrolein	2.19	56	56153	248.113	ug/l	100
14) Allyl chloride	2.59	41	107980	49.098	ug/l	99
15) Acrylonitrile	2.94	53	221308	280.780	ug/l	100
16) Acetone	2.32	43	182093	218.992	ug/l	97
17) Carbon Disulfide	2.48	76	160790	48.010	ug/l	100
18) Methyl Acetate	2.61	43	124417	57.721	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	182846	51.882	ug/l	100
20) Methylene Chloride	2.70	84	59401	48.460	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	50942	48.668	ug/l	98
22) Diisopropyl ether	3.57	45	230454	53.884	ug/l	98
23) Vinyl Acetate	3.52	43	948568	268.889	ug/l	99
24) 1,1-Dichloroethane	3.44	63	114461	51.127	ug/l	99
25) 2-Butanone	4.26	43	305144	268.533	ug/l	99
26) 2,2-Dichloropropane	4.22	77	77157	43.496	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	58358	49.258	ug/l	98
28) Bromochloromethane	4.55	49	58887	57.861	ug/l	95
29) Tetrahydrofuran	4.64	42	210549	288.503	ug/l	98
30) Chloroform	4.67	83	100051	51.276	ug/l	95
31) Cyclohexane	4.99	56	113266	51.890	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	83712	51.657	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79372	49.131	ug/l	98
37) Ethyl Acetate	4.38	43	113213	54.211	ug/l	100
38) Carbon Tetrachloride	5.13	117	66683	51.212	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94003	47.696	ug/l	97
40) Benzene	5.39	78	241015	50.654	ug/l	99
41) Methacrylonitrile	4.54	41	64606	56.489	ug/l	97
42) 1,2-Dichloroethane	5.40	62	85382	51.266	ug/l	98
43) Isopropyl Acetate	5.55	43	182526	55.258	ug/l	99
44) Trichloroethene	6.19	130	53495	50.565	ug/l	98
45) 1,2-Dichloropropane	6.43	63	71610	53.520	ug/l	100
46) Dibromomethane	6.56	93	40855	51.463	ug/l	98
47) Bromodichloromethane	6.76	83	79915	51.731	ug/l	100
48) Methyl methacrylate	6.62	41	91133	55.478	ug/l	98
49) 1,4-Dioxane	6.61	88	33726	1300.287	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	582382	279.541	ug/l	98
52) Toluene	7.64	92	141521	50.540	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91539	49.753	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	98170	49.180	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	57699	52.127	ug/l	96
56) Ethyl methacrylate	8.02	69	100337	52.934	ug/l	97
57) 1,3-Dichloropropane	8.24	76	104437	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	247475	254.897	ug/l	99
59) 2-Hexanone	8.36	43	450303	272.700	ug/l	99
60) Dibromochloromethane	8.48	129	55646	51.347	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60289	51.939	ug/l	100
64) Tetrachloroethene	8.22	164	47645	51.279	ug/l	97
65) Chlorobenzene	9.12	112	145312	48.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48969	51.663	ug/l	99
67) Ethyl Benzene	9.25	91	267558	49.034	ug/l	100
68) m/p-Xylenes	9.37	106	197728	99.587	ug/l	98
69) o-Xylene	9.78	106	95721	49.609	ug/l	98
70) Styrene	9.79	104	160216	50.175	ug/l	100
71) Bromoform	9.95	173	42228	52.371	ug/l #	98
73) Isopropylbenzene	10.16	105	255527	49.108	ug/l	100
74) N-amyl acetate	10.01	43	158323	52.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	106157	53.109	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	126007	72.770	ug/l	83
77) Bromobenzene	10.45	156	60167	49.441	ug/l	98
78) n-propylbenzene	10.58	91	317589	49.119	ug/l	99
79) 2-Chlorotoluene	10.66	91	187894	50.450	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217944	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	126007	177.568	ug/l #	100
82) 4-Chlorotoluene	10.77	91	214588	48.621	ug/l	99
83) tert-Butylbenzene	11.10	119	205672	49.541	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	224171	50.501	ug/l	100
85) sec-Butylbenzene	11.32	105	262722	49.260	ug/l	99
86) p-Isopropyltoluene	11.48	119	220880	48.754	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	110275	47.990	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	112620	47.370	ug/l	100
89) n-Butylbenzene	11.89	91	216018	47.113	ug/l	100
90) Hexachloroethane	12.14	117	32664	47.700	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	111572	48.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24042	55.557	ug/l	98

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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

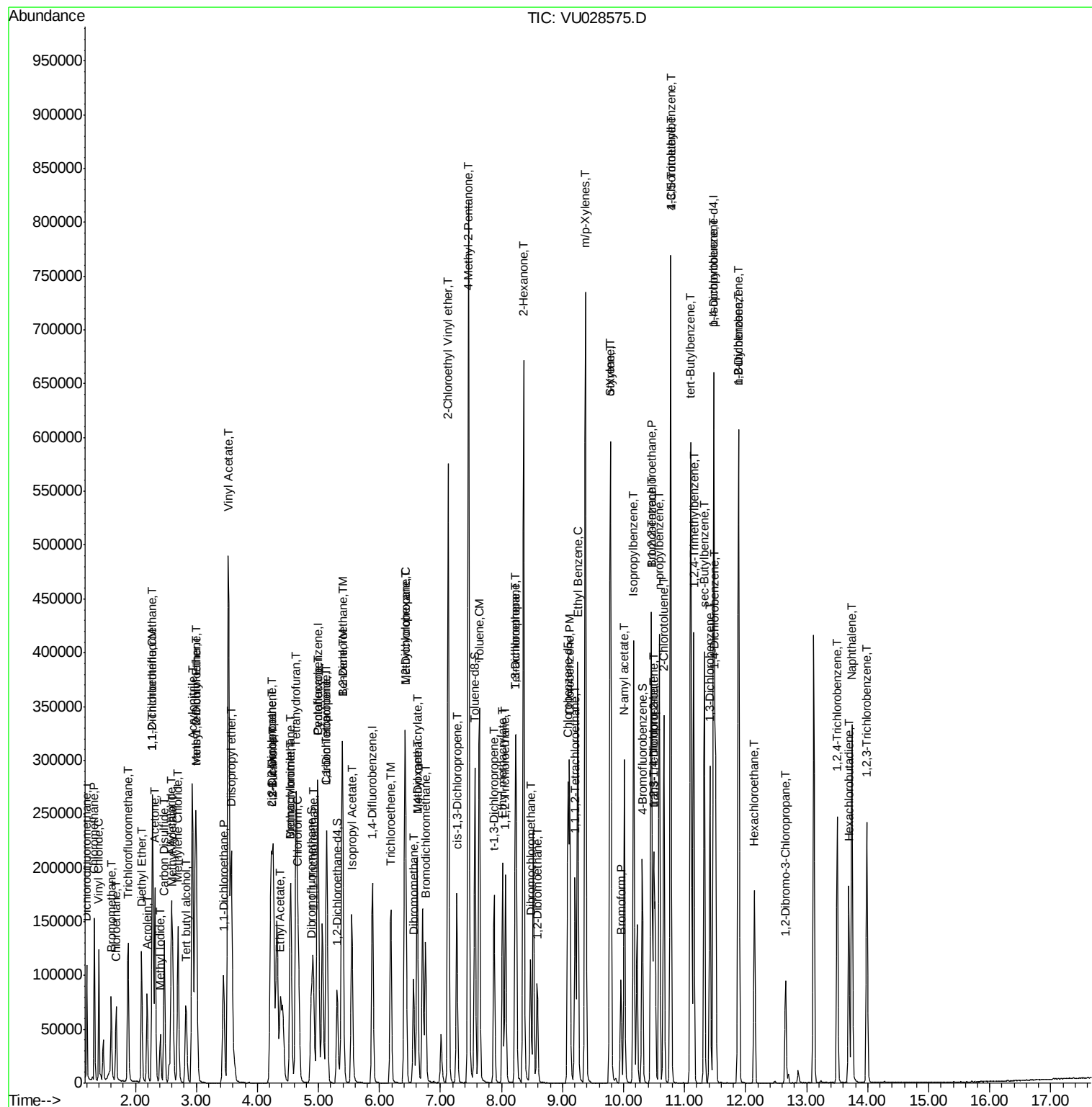
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71777	45.521	ug/l	99
94) Hexachlorobutadiene	13.69	225	33081	43.937	ug/l	96
95) Naphthalene	13.74	128	252827	45.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	73585	46.820	ug/l	98

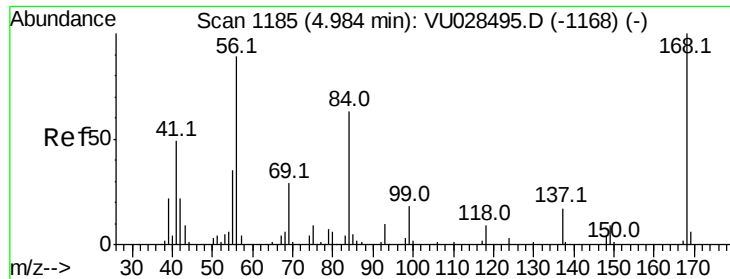
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

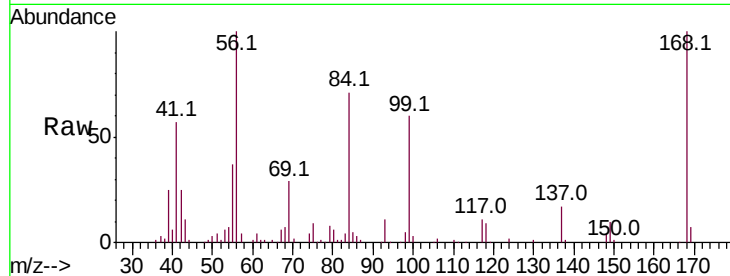
VSTDCCC050

Tot Ion:168 Resp: 83499

Ion Ratio Lower Upper

168 100

99 60.2 46.6 69.8



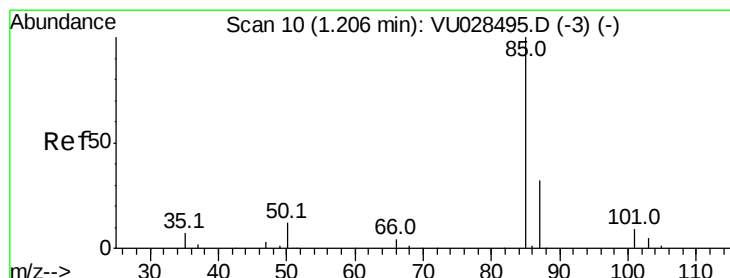
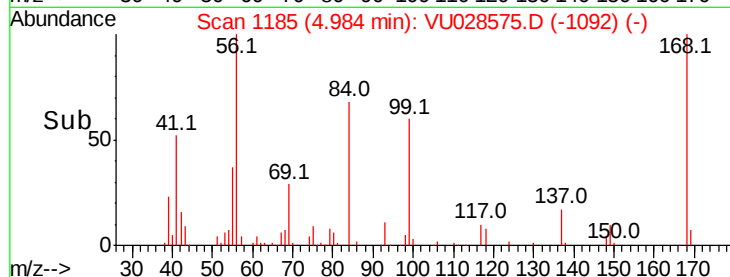
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.911 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028575.D

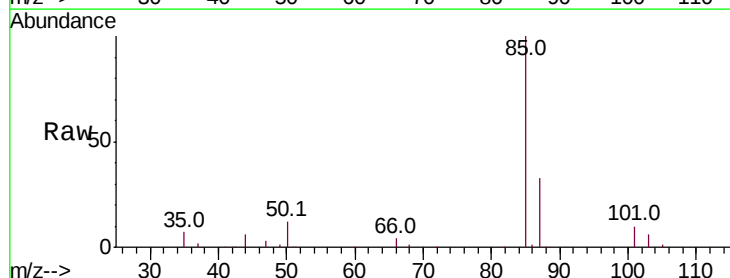
Acq: 11 Dec 2018 01:14

Tgt Ion: 85 Resp: 55860

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



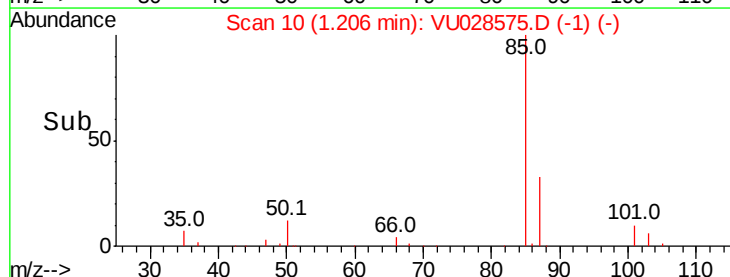
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

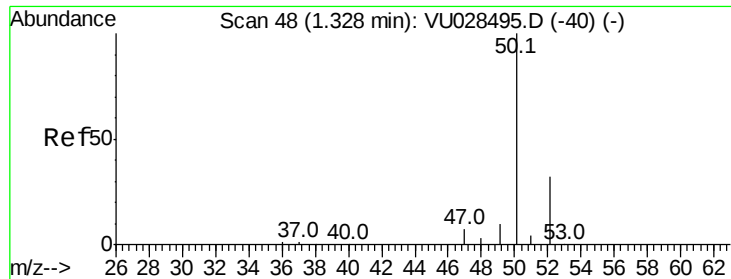
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.628 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

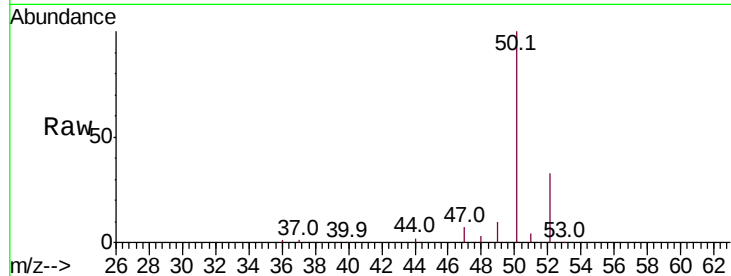
VSTDCCC050

Tot Ion: 50 Resp: 100058

Ion Ratio Lower Upper

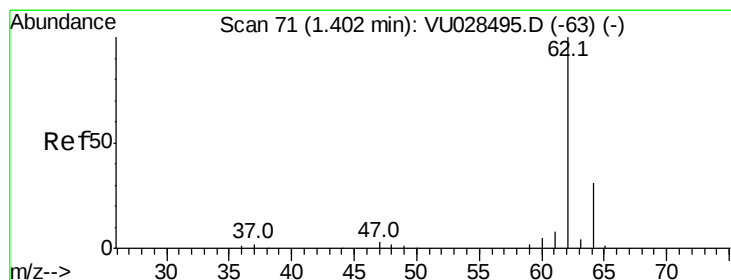
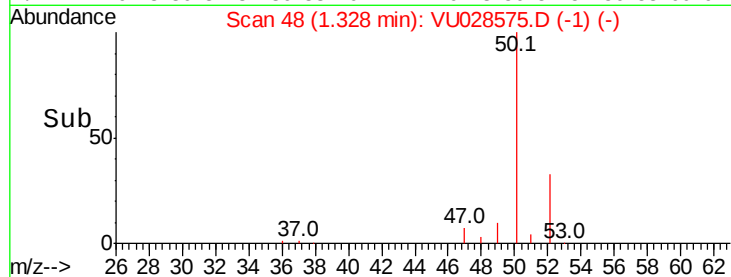
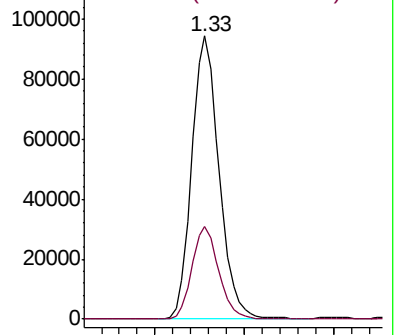
50 100

52 32.8 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: 50.007 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028575.D

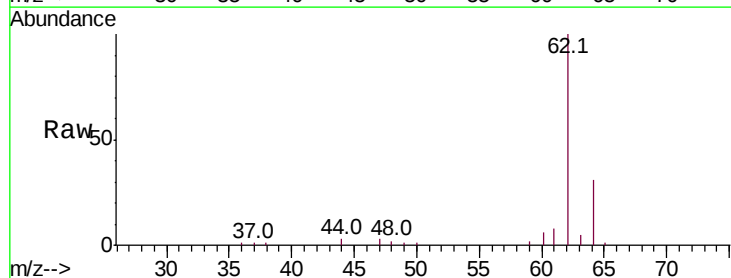
Acq: 11 Dec 2018 01:14

Tgt Ion: 62 Resp: 74256

Ion Ratio Lower Upper

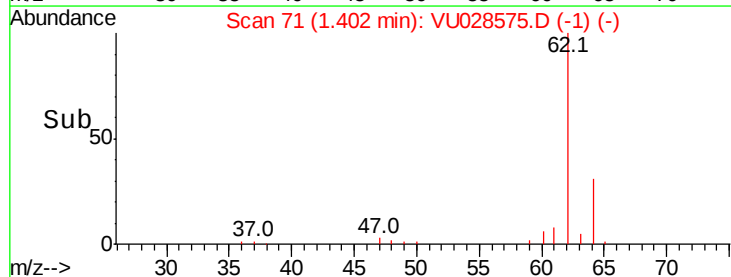
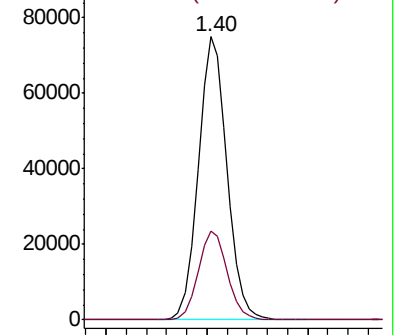
62 100

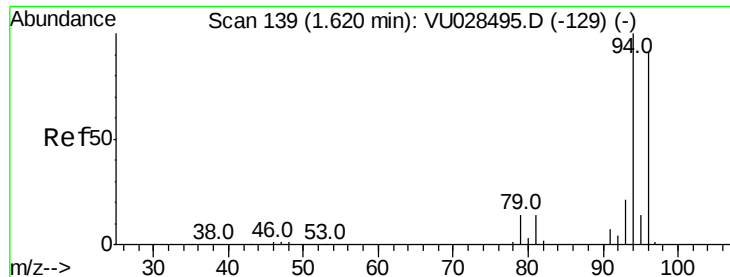
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.448 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

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ClientSampleId :

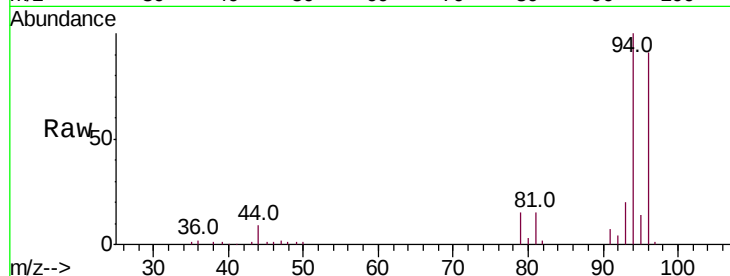
VSTDCCC050

Tot Ion: 94 Resp: 30774

Ion Ratio Lower Upper

94 100

96 90.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

25000

20000

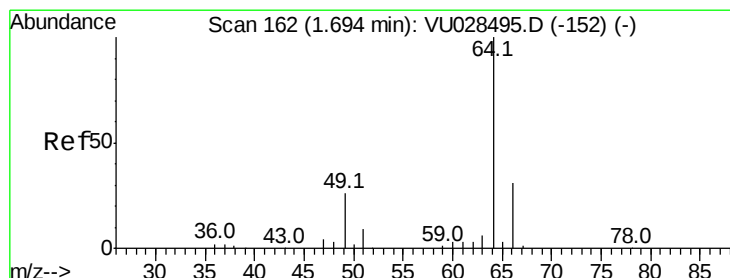
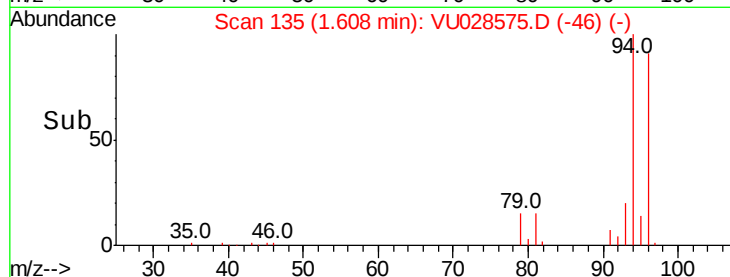
15000

10000

5000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 50.505 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028575.D

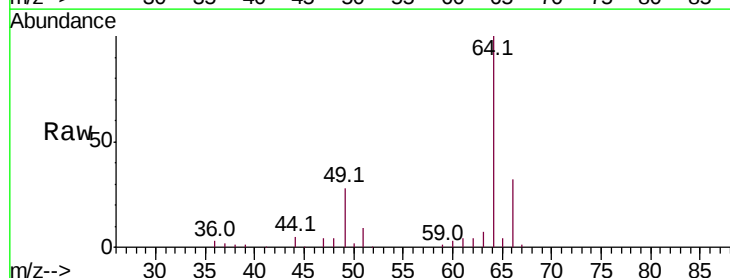
Acq: 11 Dec 2018 01:14

Tgt Ion: 64 Resp: 42457

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

40000

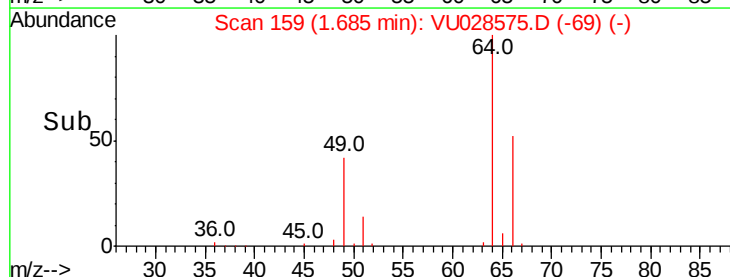
30000

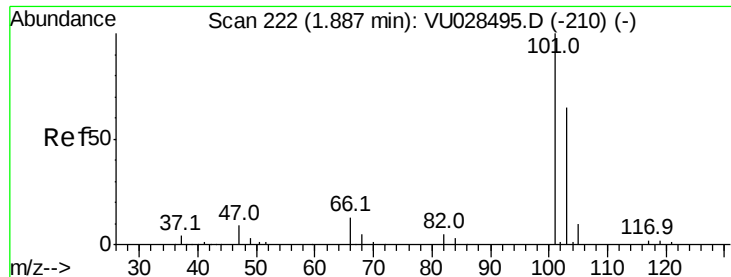
20000

10000

0

Time--> 1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 50.789 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

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ClientSampleId :

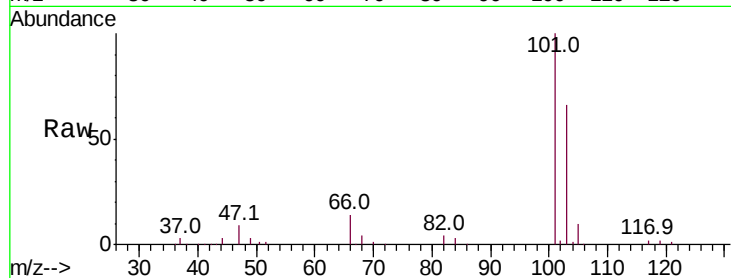
VSTDCCC050

Tot Ion:101 Resp: 79346

Ion Ratio Lower Upper

101 100

103 66.3 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.88

60000

50000

40000

30000

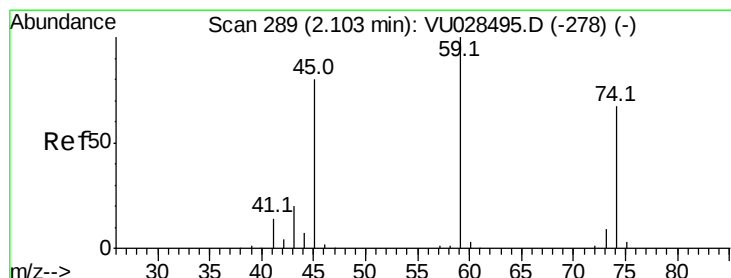
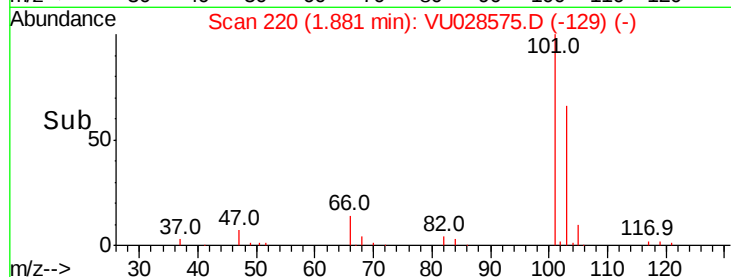
20000

10000

0

Time-->

1.80 1.85 1.90 1.95



#8

Diethyl Ether

Concen: 47.813 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028575.D

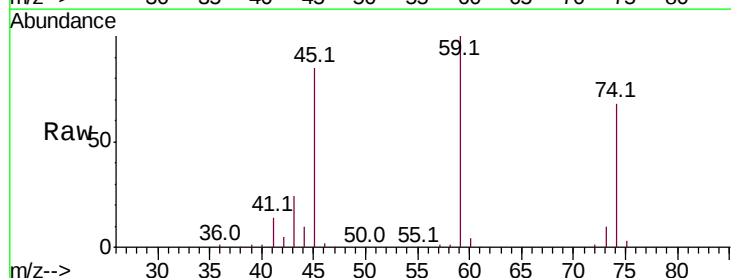
Acq: 11 Dec 2018 01:14

Tgt Ion: 74 Resp: 34948

Ion Ratio Lower Upper

74 100

45 125.2 59.7 179.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

30000

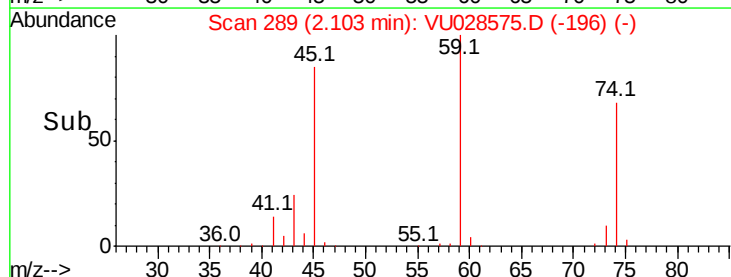
20000

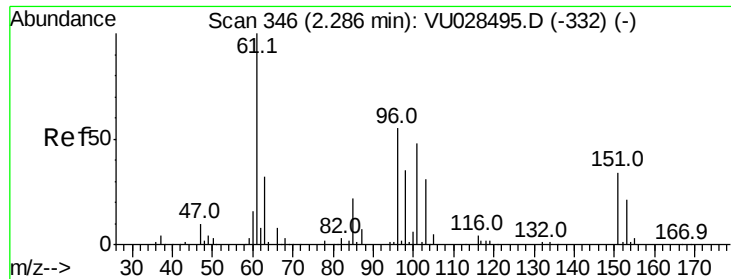
10000

0

Time-->

2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.178 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

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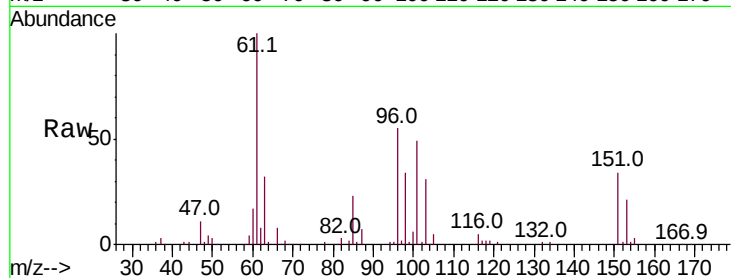
Tot Ion:101 Resp: 46884

Ion Ratio Lower Upper

101 100

85 46.9 36.4 54.6

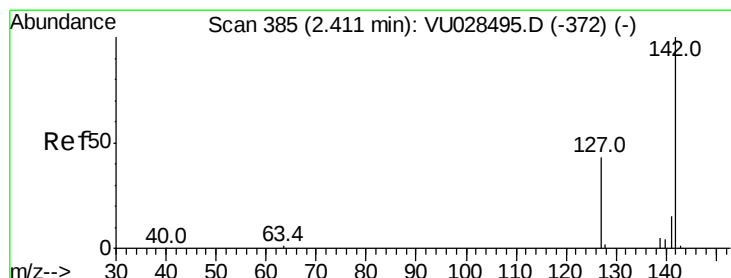
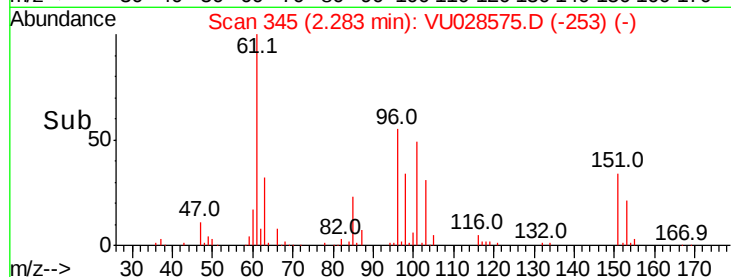
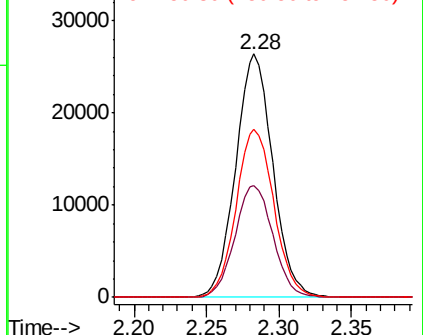
151 70.3 58.2 87.2



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: 57.941 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

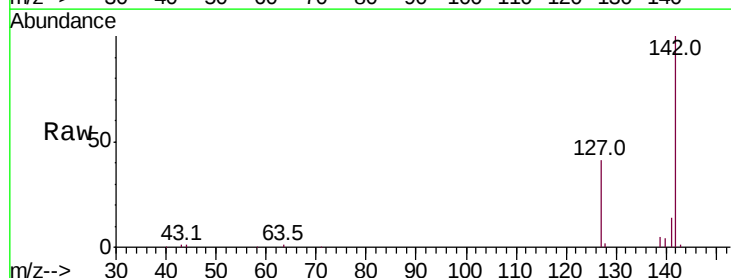
Tgt Ion:142 Resp: 42479

Ion Ratio Lower Upper

142 100

127 42.0 33.5 50.3

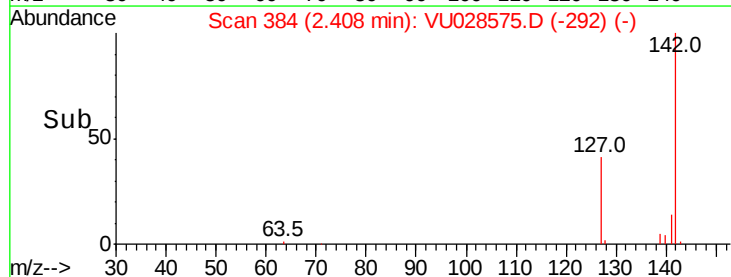
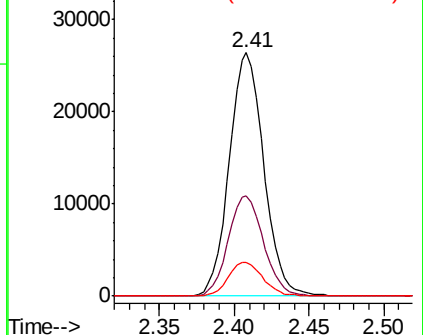
141 13.8 11.2 16.8

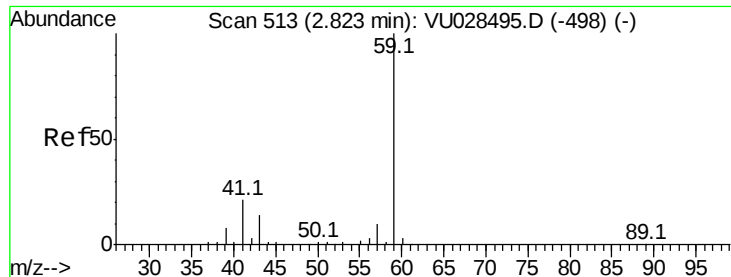


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

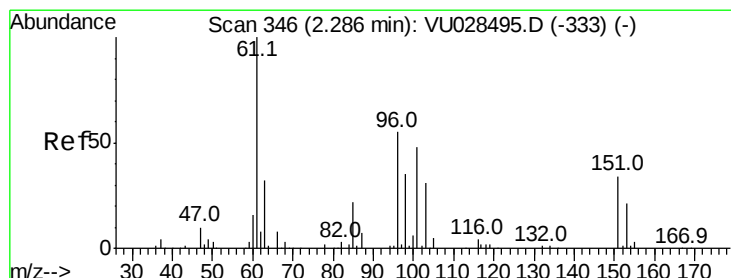
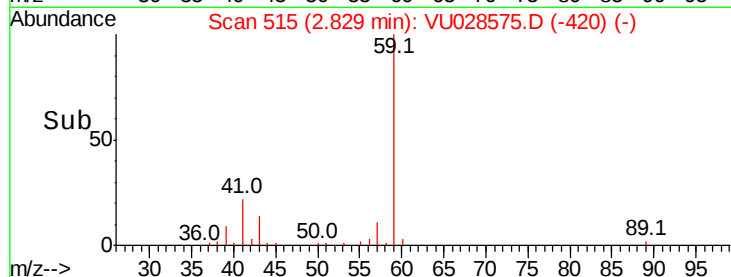
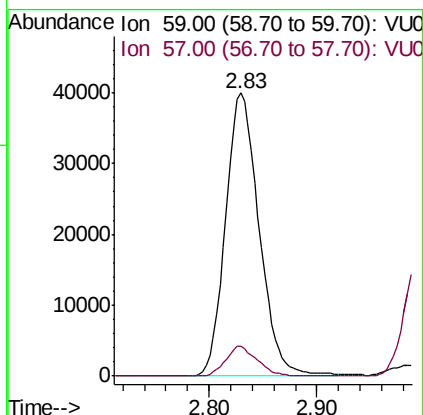
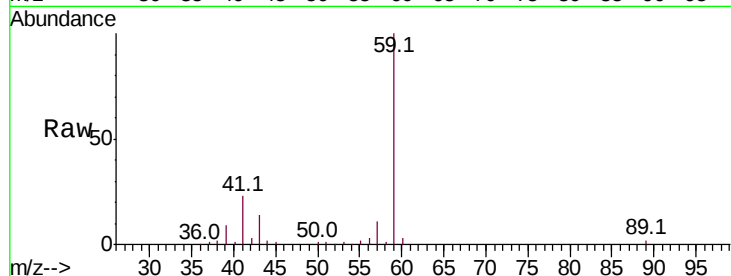




#11
Tert butyl alcohol
Concen: 305.085 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

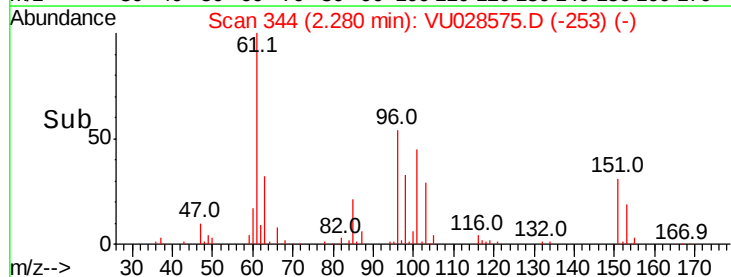
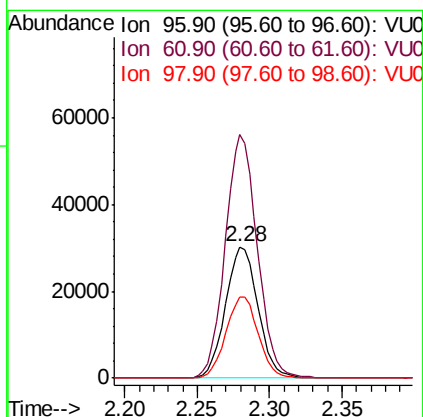
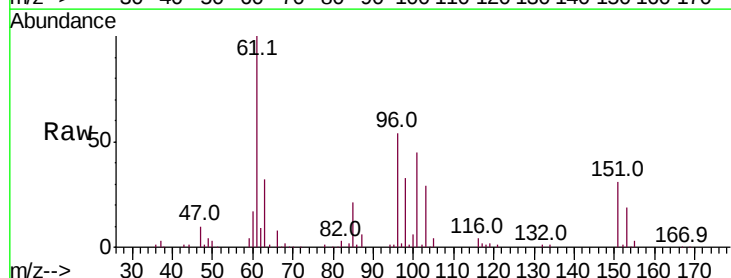
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

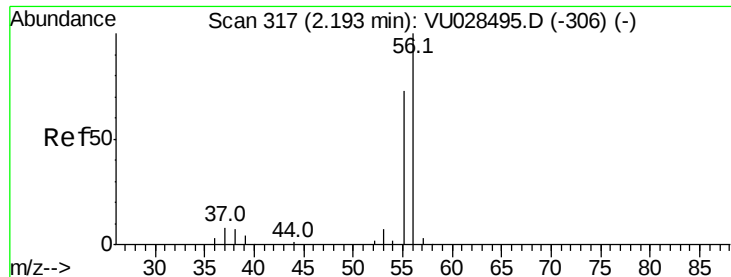
Tot Ion: 59 Resp: 86613
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0



#12
1,1-Dichloroethene
Concen: 50.347 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 96 Resp: 46806
Ion Ratio Lower Upper
96 100
61 185.5 146.4 219.6
98 61.5 51.8 77.8

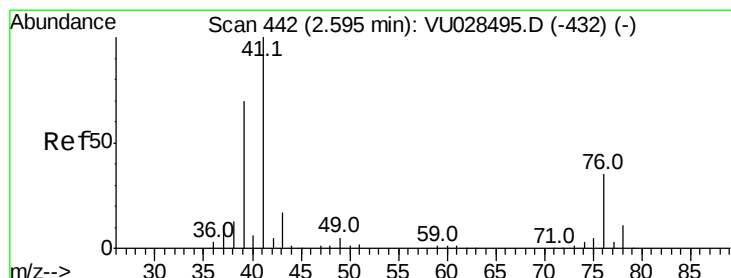
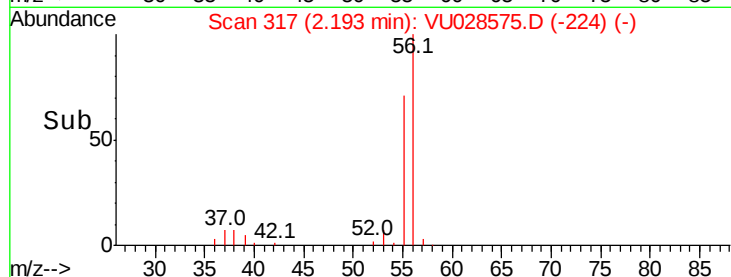
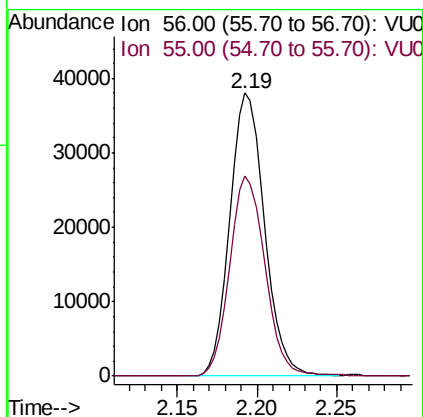
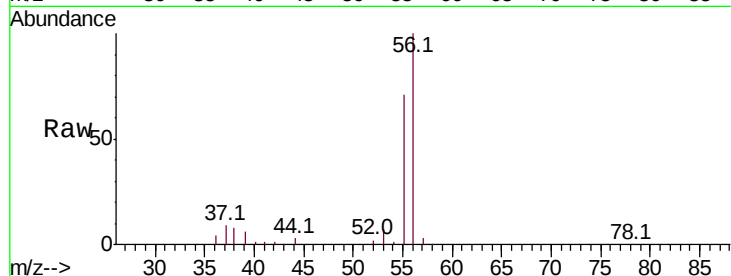




#13
Acrolein
Concen: 248.113 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

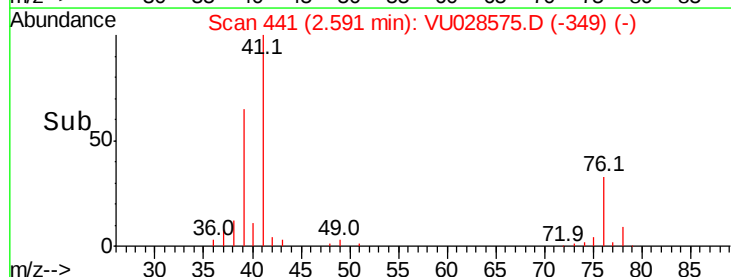
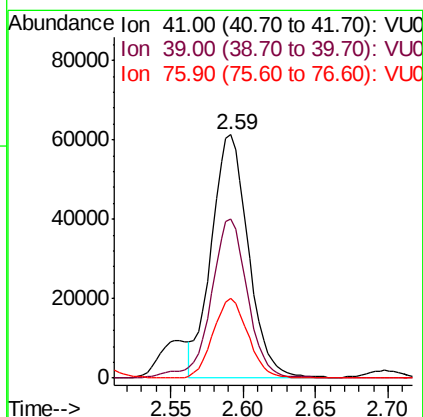
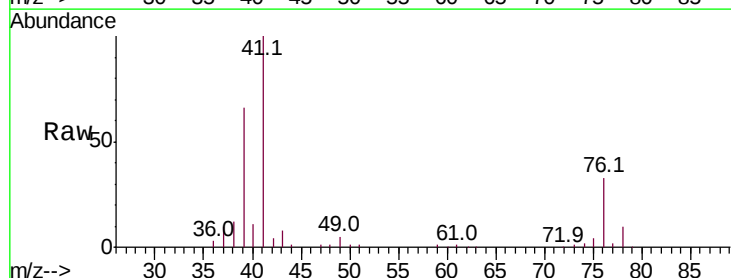
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

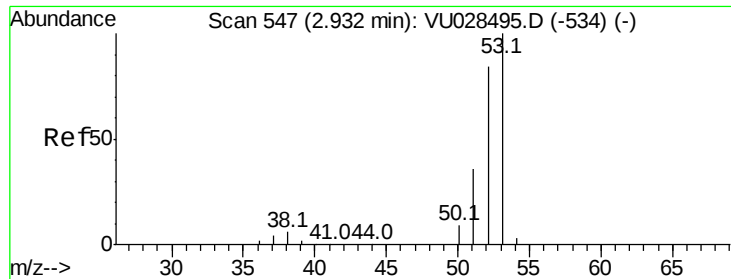
Tot Ion: 56 Resp: 56153
Ion Ratio Lower Upper
56 100
55 72.1 57.5 86.3



#14
Allyl chloride
Concen: 49.098 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 41 Resp: 107980
Ion Ratio Lower Upper
41 100
39 65.0 50.8 76.2
76 31.1 24.8 37.2





#15

Acrylonitrile

Concen: 280.780 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

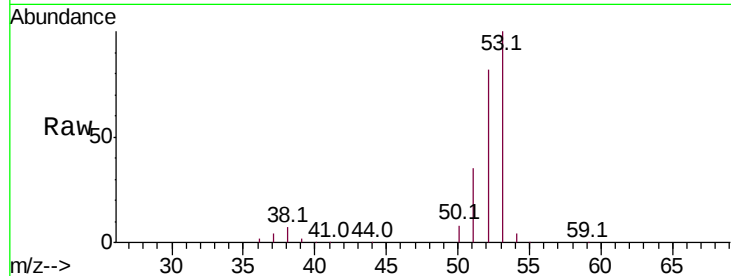
Tot Ion: 53 Resp: 221308

Ion Ratio Lower Upper

53 100

52 82.3 66.1 99.1

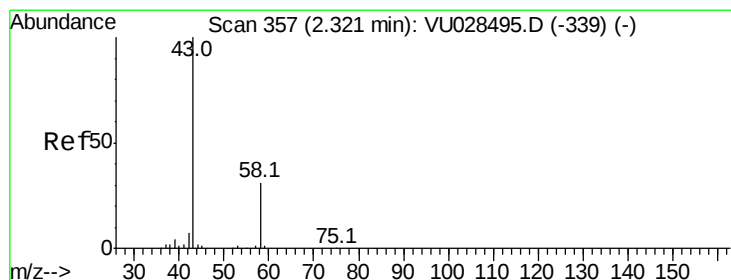
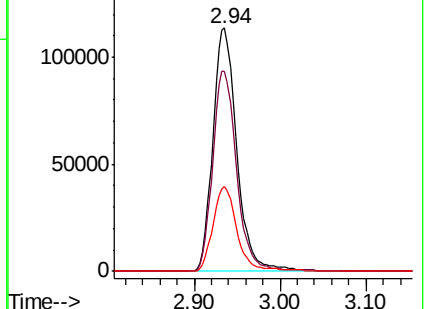
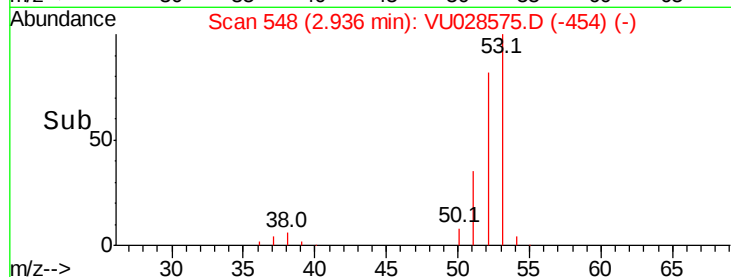
51 34.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 218.992 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028575.D

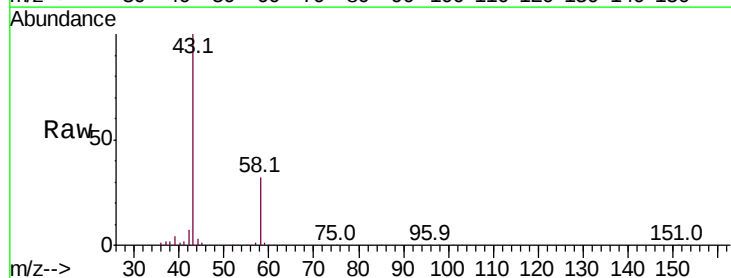
Acq: 11 Dec 2018 01:14

Tgt Ion: 43 Resp: 182093

Ion Ratio Lower Upper

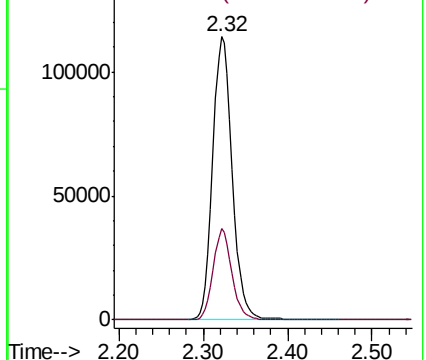
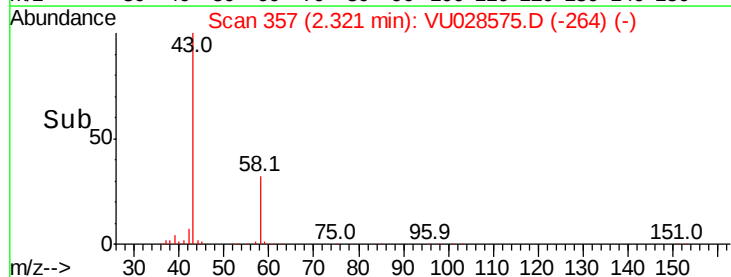
43 100

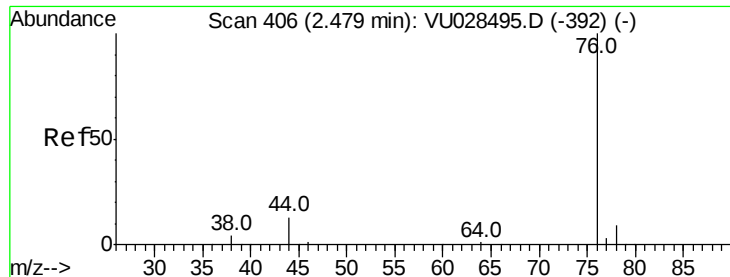
58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 48.010 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

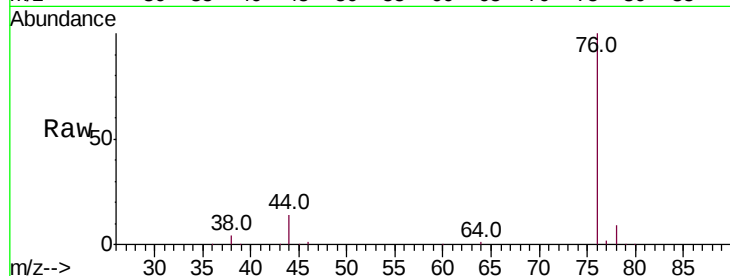
VSTDCCC050

Tot Ion: 76 Resp: 160790

Ion Ratio Lower Upper

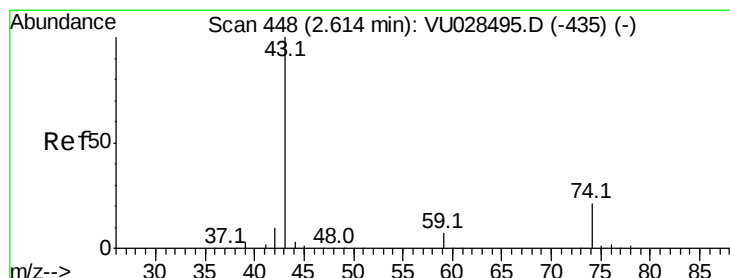
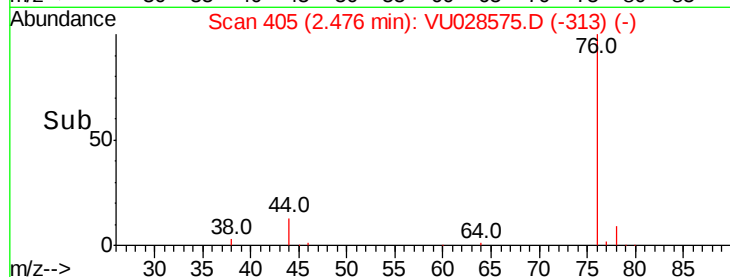
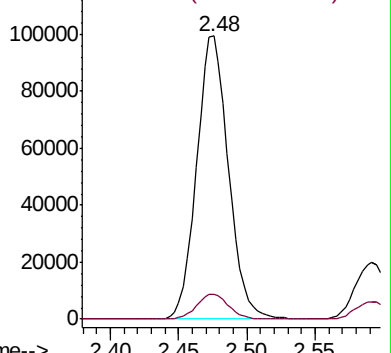
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 57.721 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028575.D

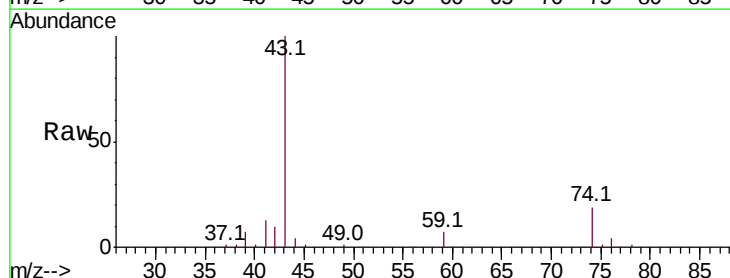
Acq: 11 Dec 2018 01:14

Tgt Ion: 43 Resp: 124417

Ion Ratio Lower Upper

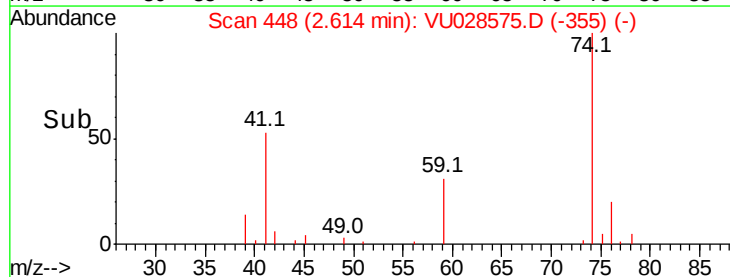
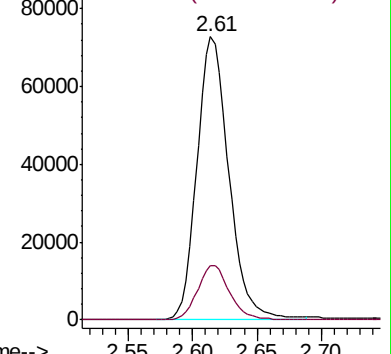
43 100

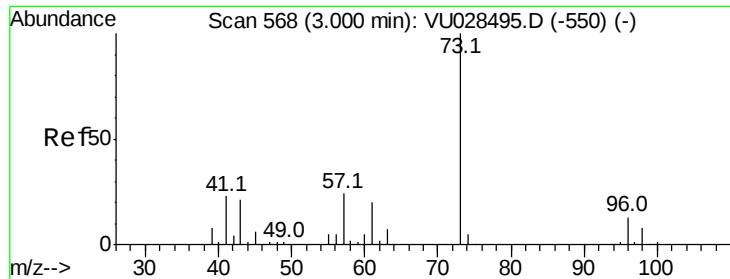
74 19.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

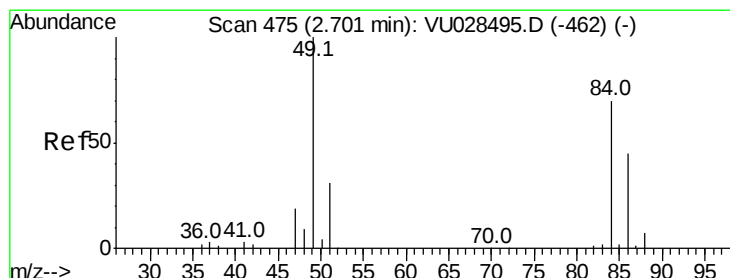
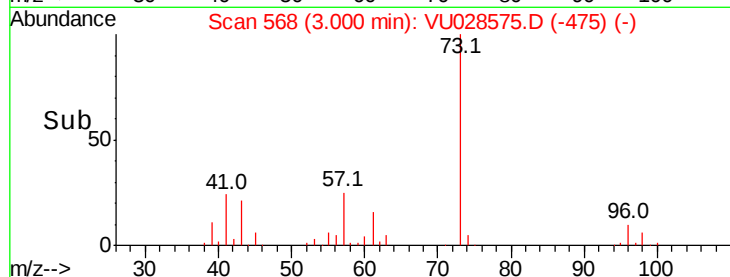
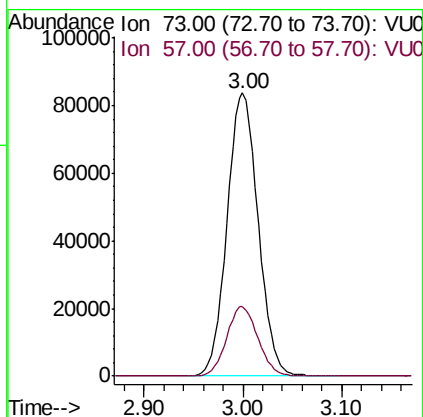
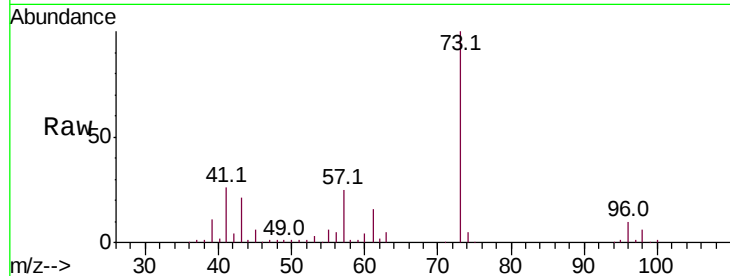




#19
Methyl tert-butyl Ether
Concen: 51.882 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

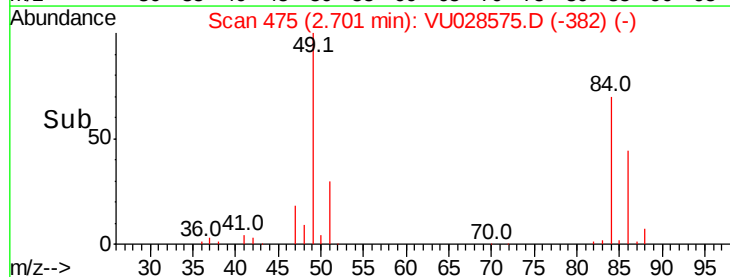
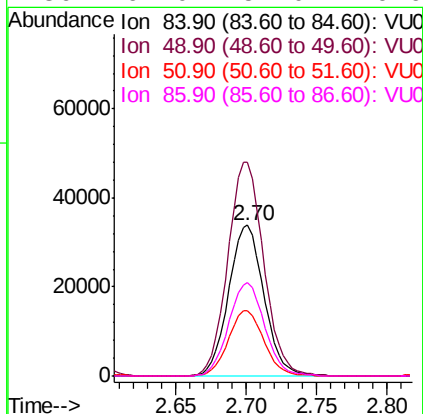
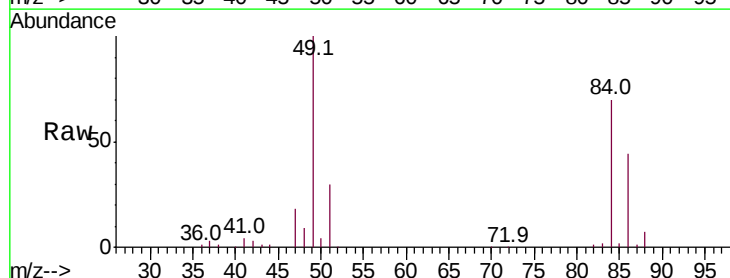
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

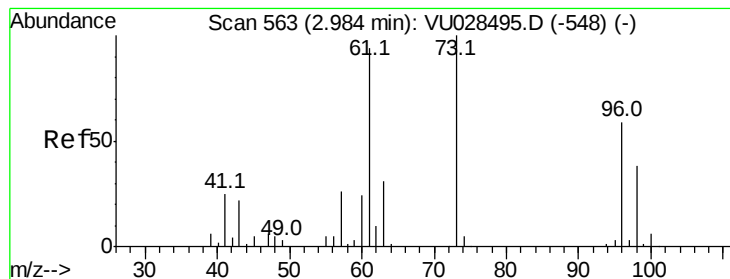
Tot Ion: 73 Resp: 182846
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 48.460 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 84 Resp: 59401
Ion Ratio Lower Upper
84 100
49 141.9 114.0 171.0
51 43.0 35.1 52.7
86 62.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.668 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

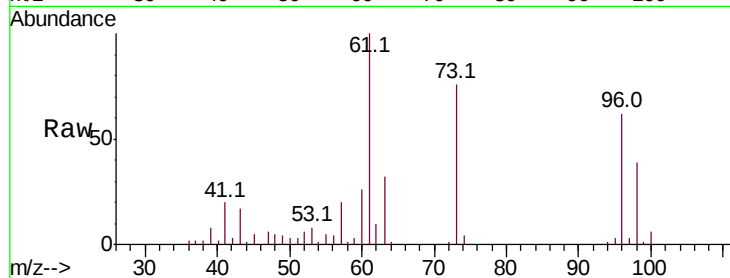
Tot Ion: 96 Resp: 50942

Ion Ratio Lower Upper

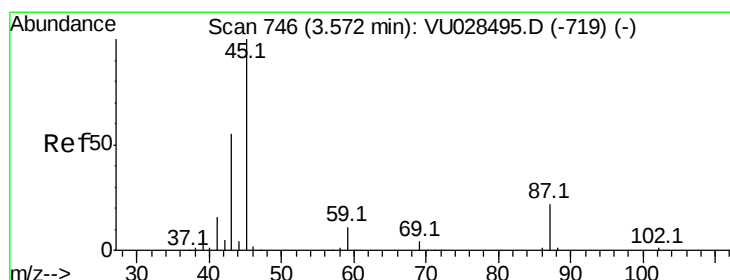
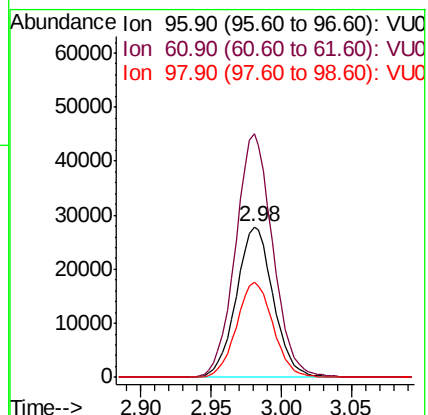
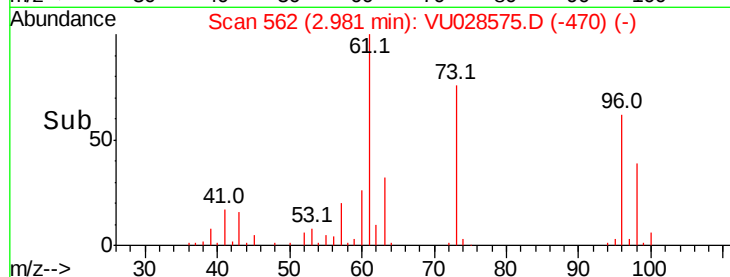
96 100

61 161.5 127.0 190.4

98 62.8 51.9 77.9



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



#22

Diisopropyl ether

Concen: 53.884 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion: 45 Resp: 230454

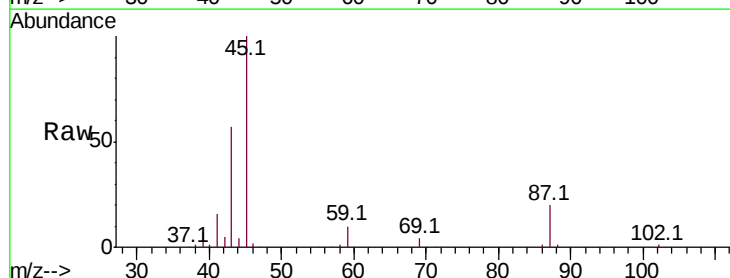
Ion Ratio Lower Upper

45 100

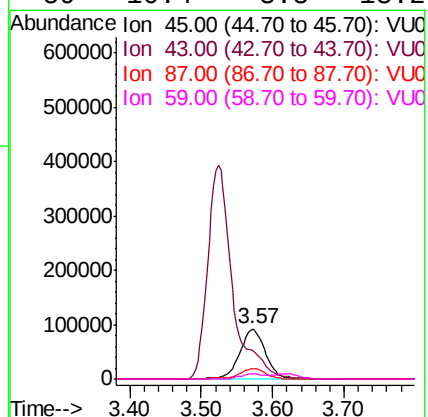
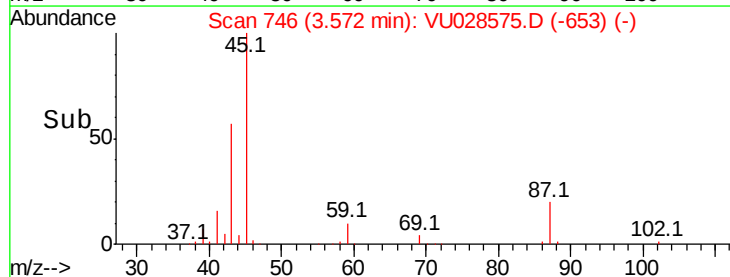
43 56.0 45.3 67.9

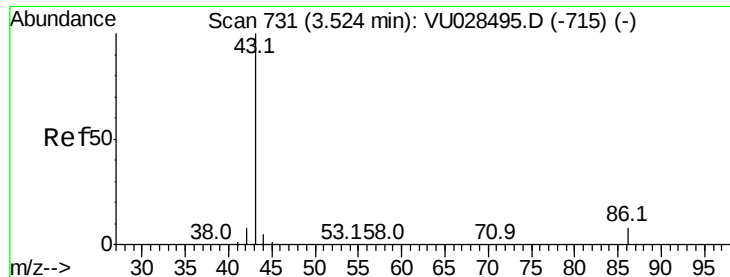
87 20.3 17.6 26.4

59 10.4 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0

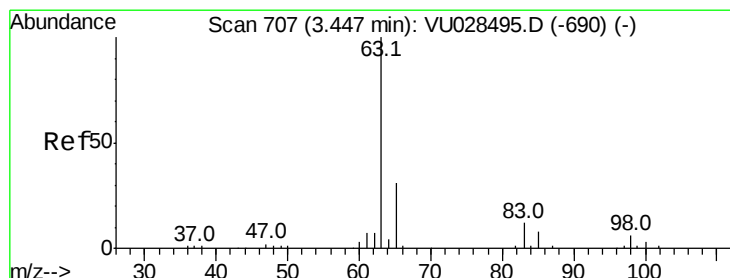
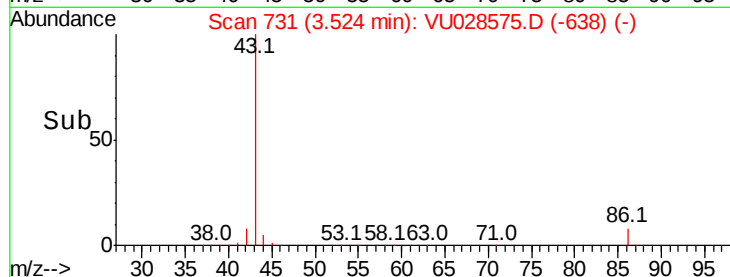
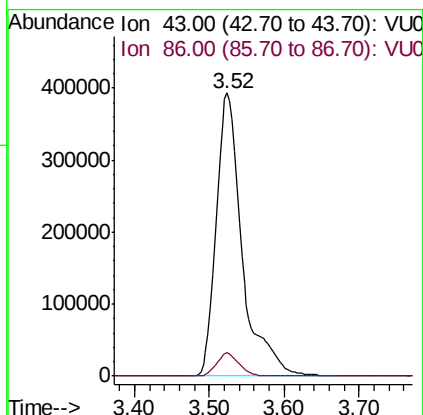
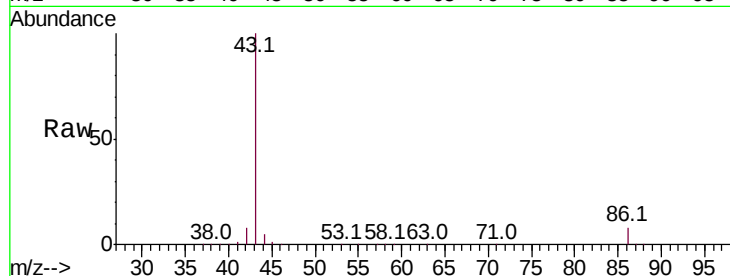




#23
 Vinyl Acetate
 Concen: 268.889 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

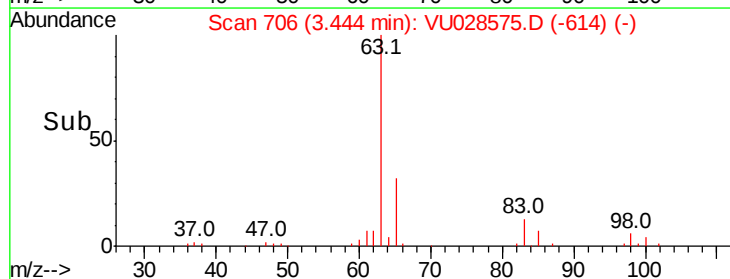
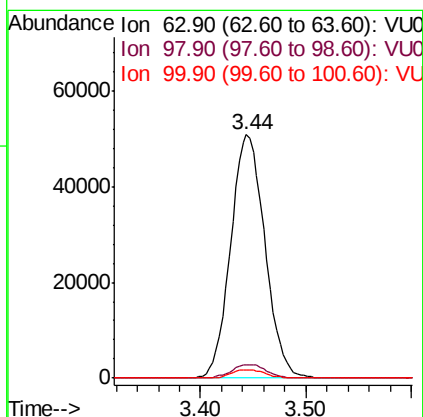
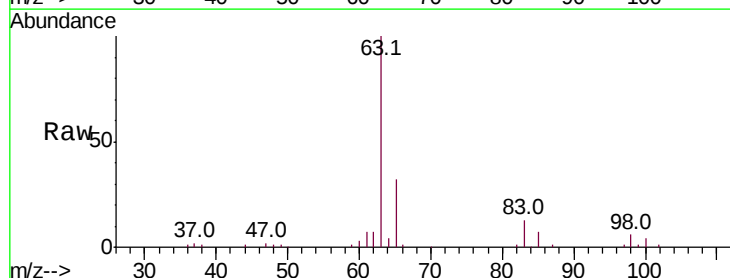
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

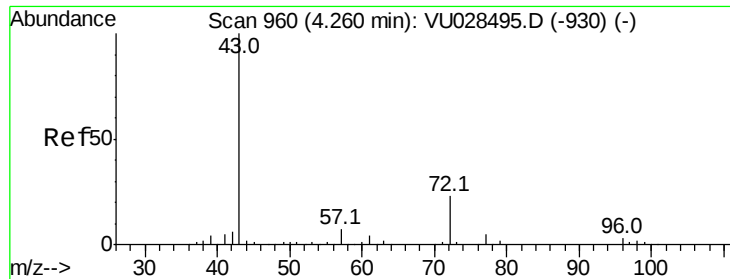
Tot Ion: 43 Resp: 948568
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 51.127 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 63 Resp: 114461
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.2
 100 3.6 1.7 5.1





#25

2-Butanone

Concen: 268.533 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

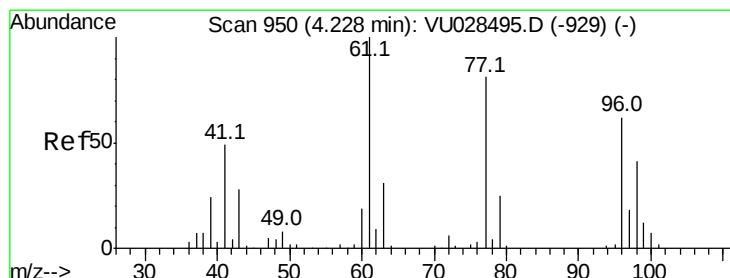
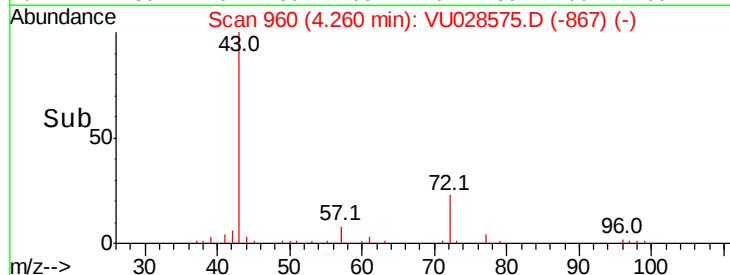
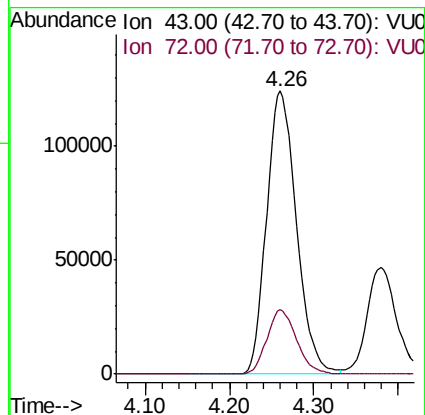
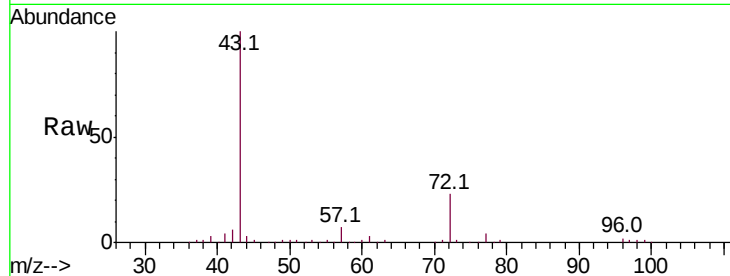
VSTDCCC050

Tot Ion: 43 Resp: 305144

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0



#26

2,2-Dichloropropane

Concen: 43.496 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028575.D

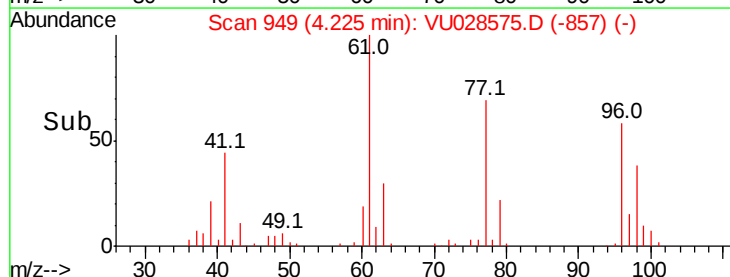
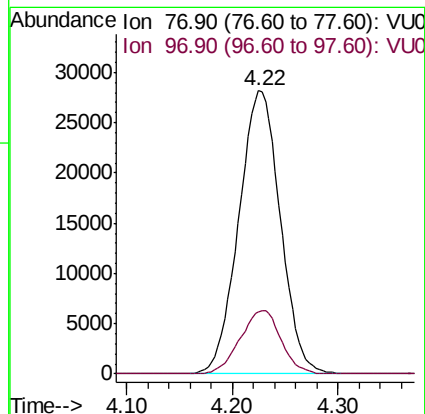
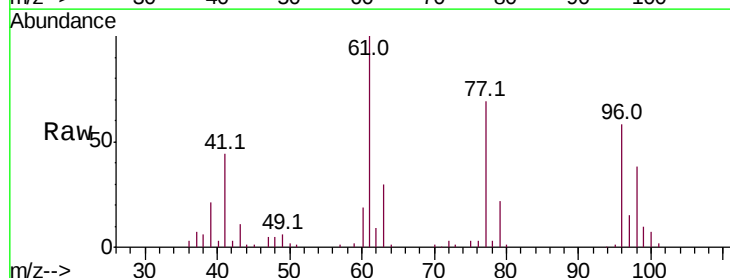
Acq: 11 Dec 2018 01:14

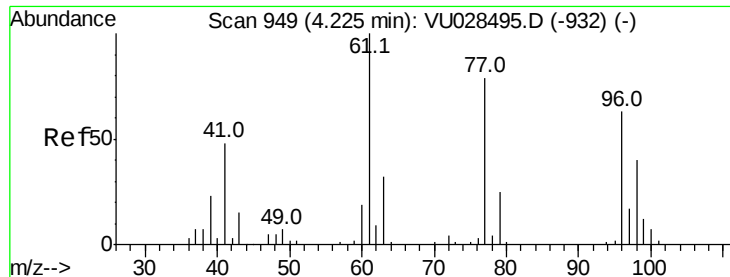
Tgt Ion: 77 Resp: 77157

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



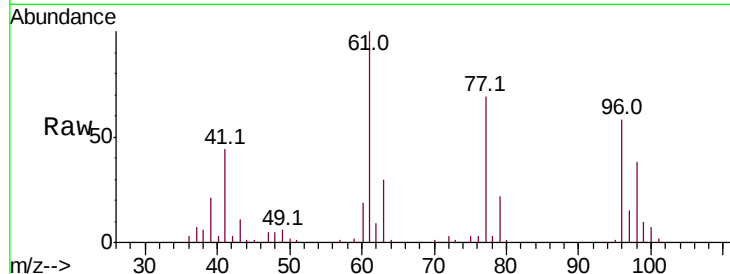


#27

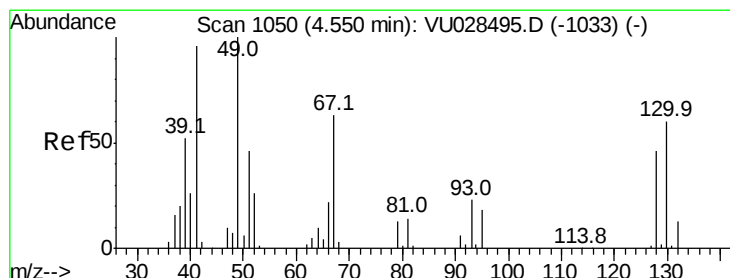
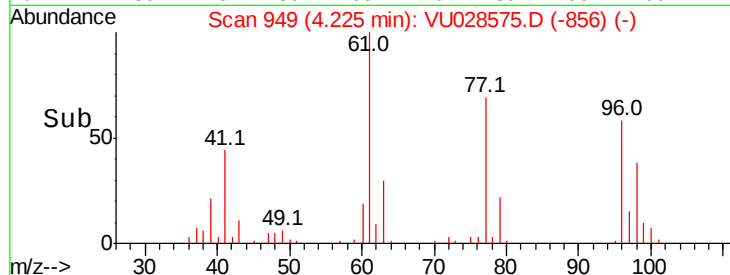
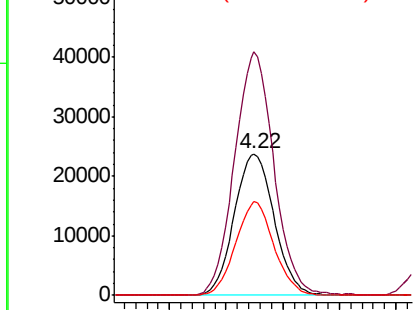
cis-1,2-Dichloroethene
 Concen: 49.258 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.4	0.0	332.4
98	63.4	0.0	129.0



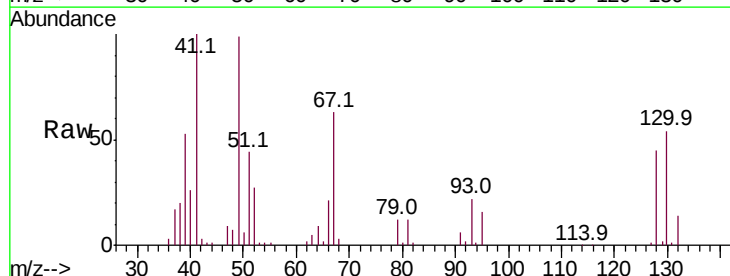
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



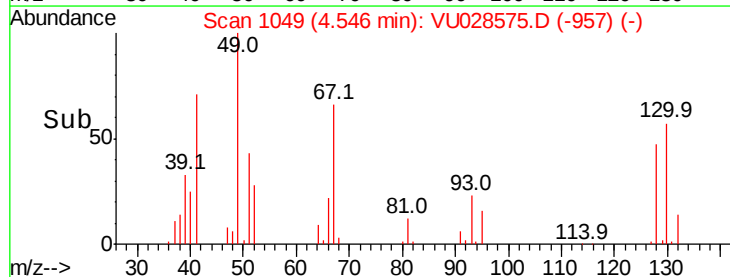
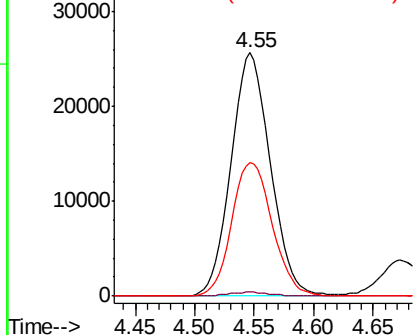
#28

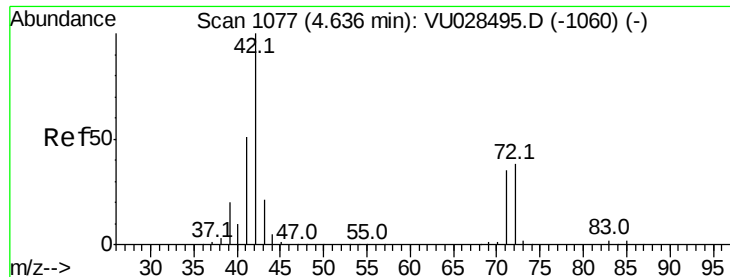
Bromochloromethane
 Concen: 57.861 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	56.3	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: 288.503 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

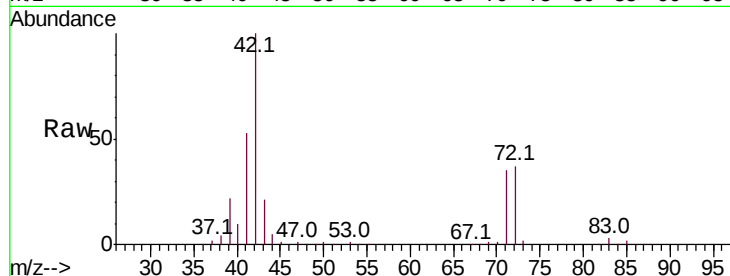
Tot Ion: 42 Resp: 210549

Ion Ratio Lower Upper

42 100

72 37.3 31.4 47.0

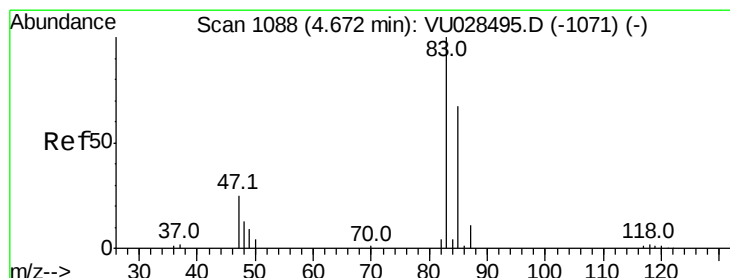
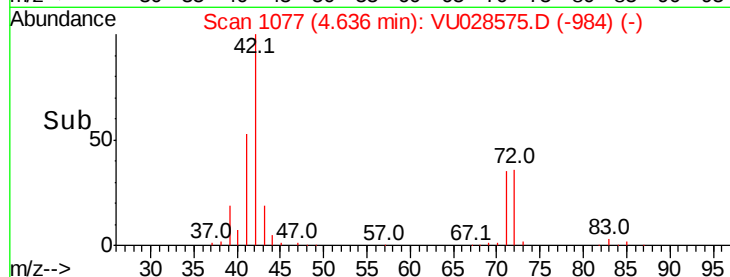
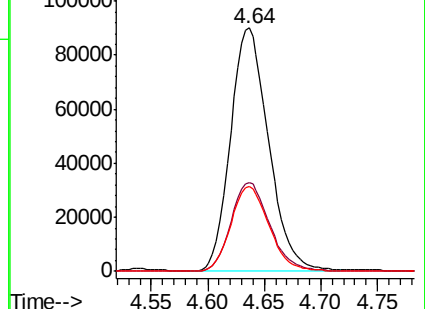
71 35.3 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.276 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028575.D

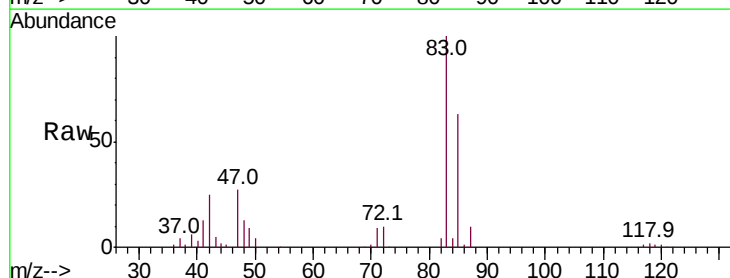
Acq: 11 Dec 2018 01:14

Tgt Ion: 83 Resp: 100051

Ion Ratio Lower Upper

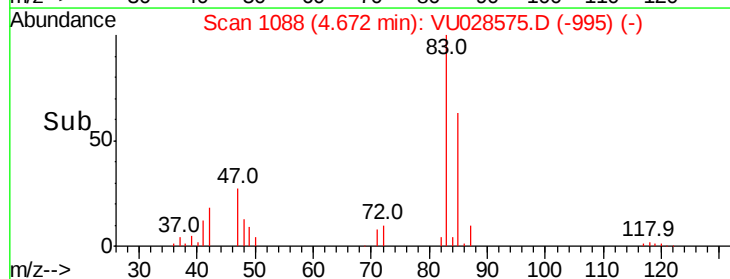
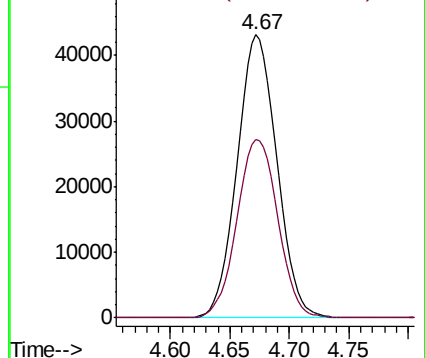
83 100

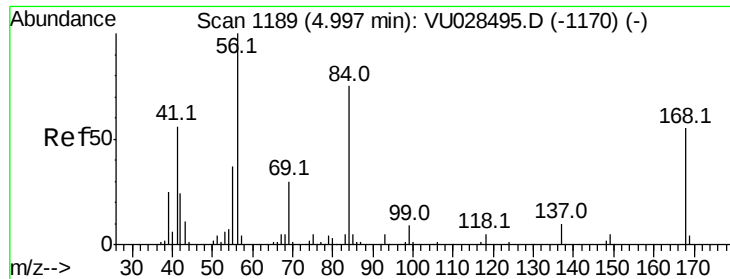
85 62.8 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

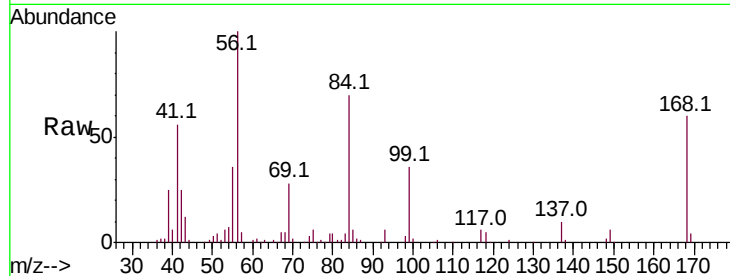




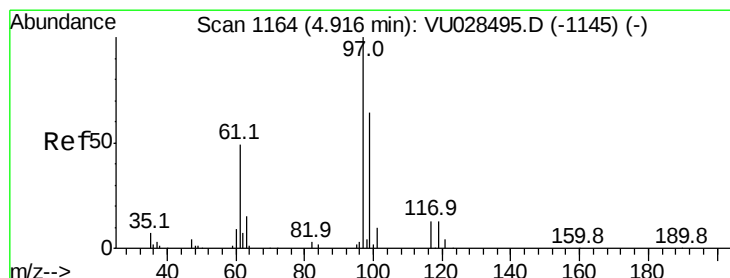
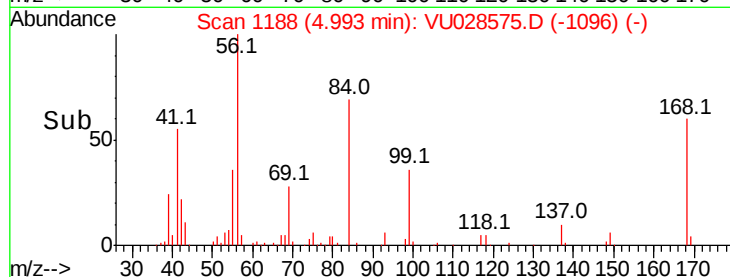
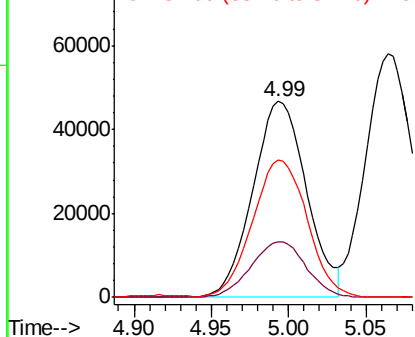
#31
Cyclohexane
Concen: 51.890 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 113266
Ion Ratio Lower Upper
56 100
69 28.5 24.0 36.0
84 69.2 59.7 89.5

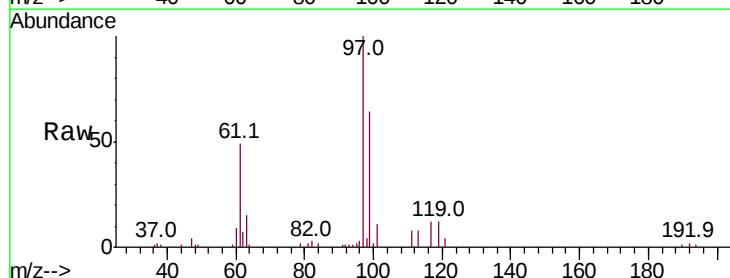


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

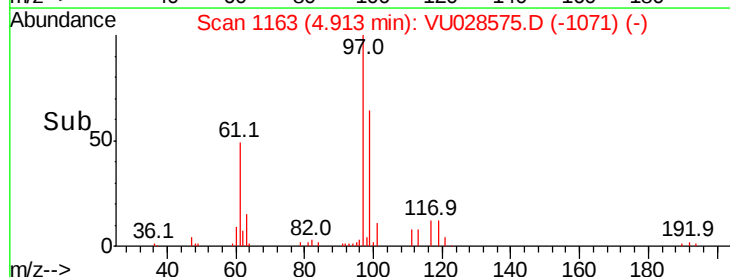
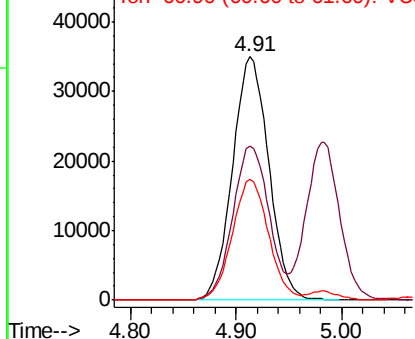


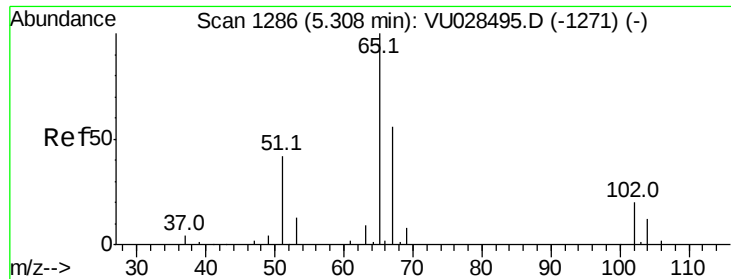
#32
1,1,1-Trichloroethane
Concen: 51.657 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 97 Resp: 83712
Ion Ratio Lower Upper
97 100
99 63.3 52.3 78.5
61 49.4 39.0 58.6



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

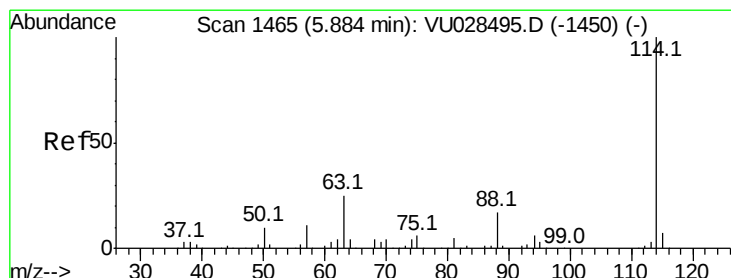
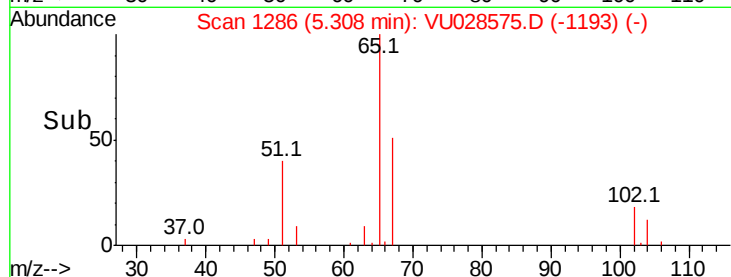
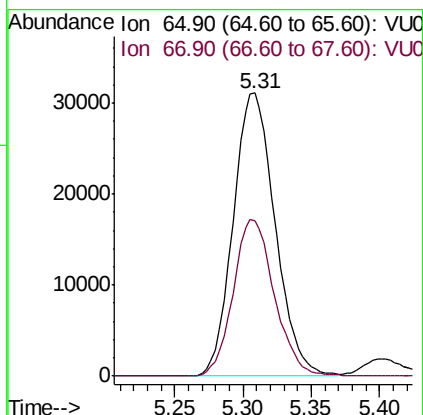
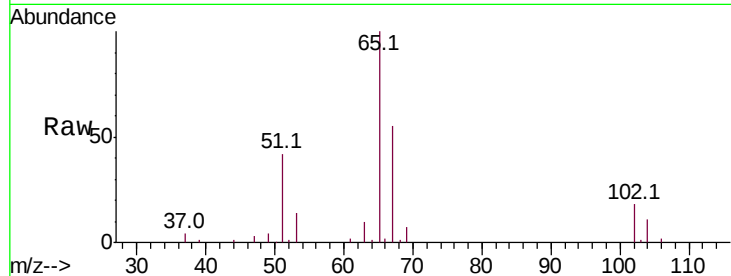




#33
 1,2-Dichloroethane-d4
 Concen: 52.090 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

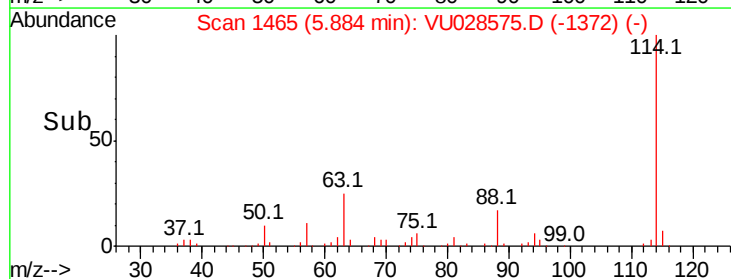
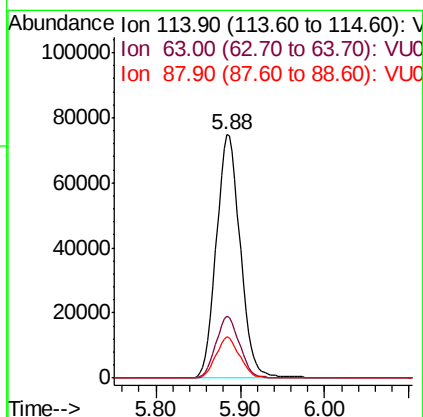
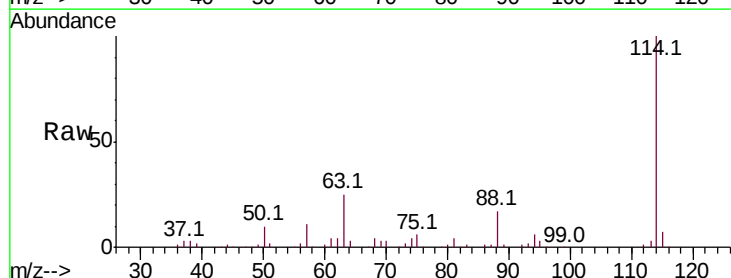
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

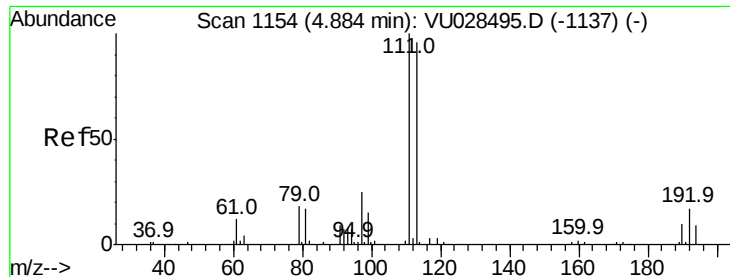
Tot Ion: 65 Resp: 66375
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 114 Resp: 147631
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.042 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

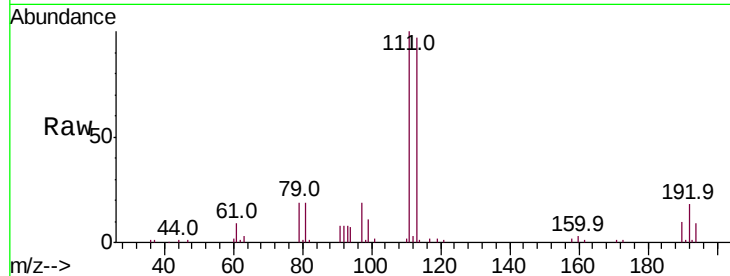
Tot Ion:113 Resp: 47421

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.0

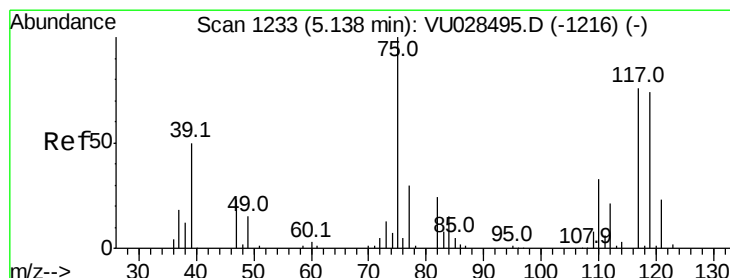
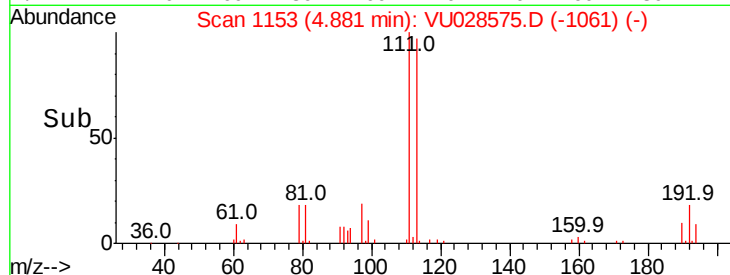
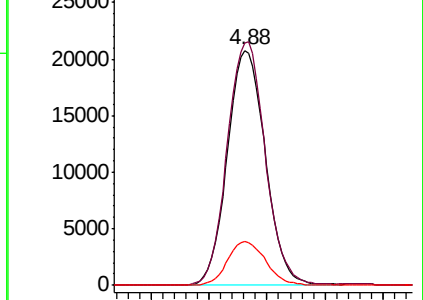
192 18.5 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.131 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

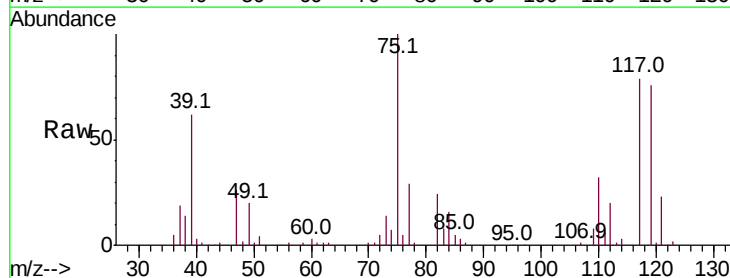
Tgt Ion: 75 Resp: 79372

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.2

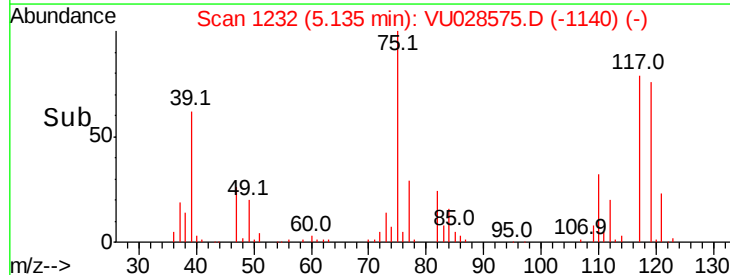
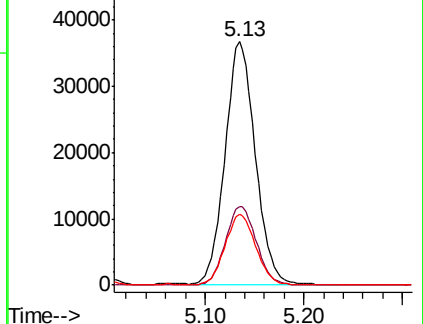
77 29.4 24.5 36.7

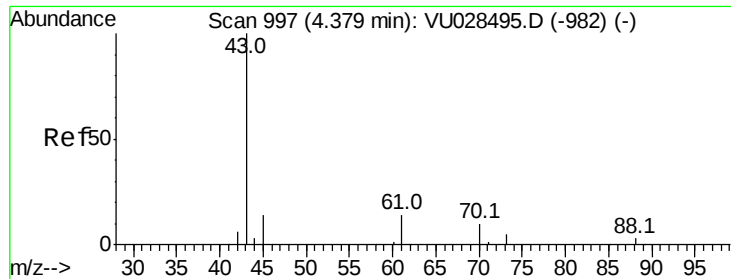


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 54.211 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

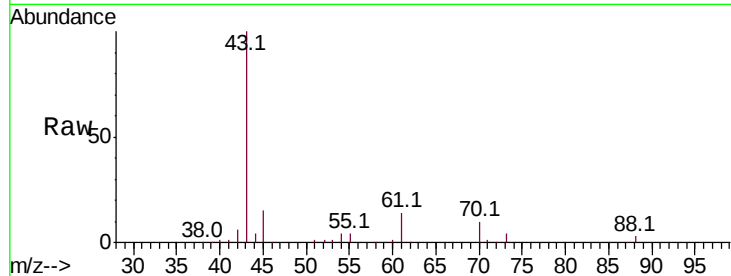
Tot Ion: 43 Resp: 113213

Ion Ratio Lower Upper

43 100

61 13.6 11.0 16.4

70 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

150000

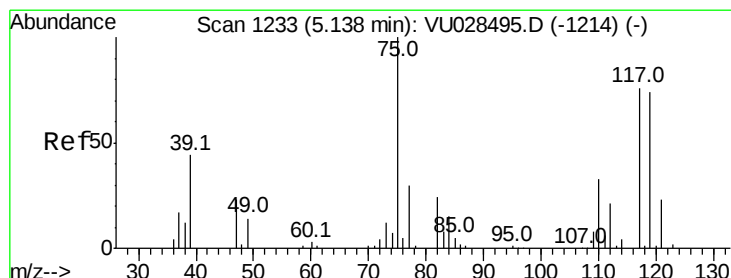
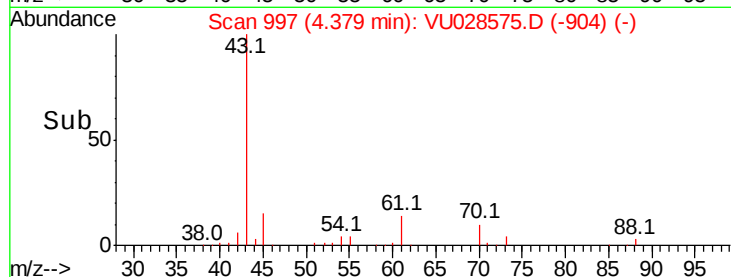
100000

50000

0

4.30 4.35 4.40 4.45 4.50

Time-->



#38

Carbon Tetrachloride

Concen: 51.212 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

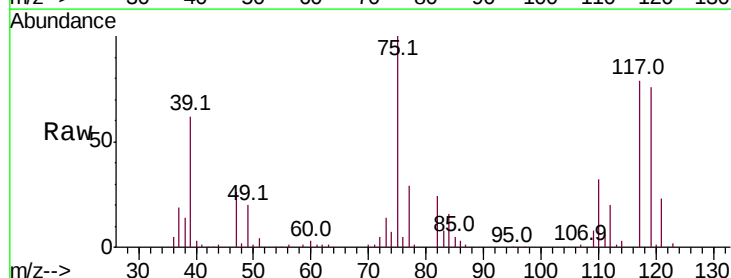
Tgt Ion: 117 Resp: 66683

Ion Ratio Lower Upper

117 100

119 95.5 77.6 116.4

121 29.1 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

40000

30000

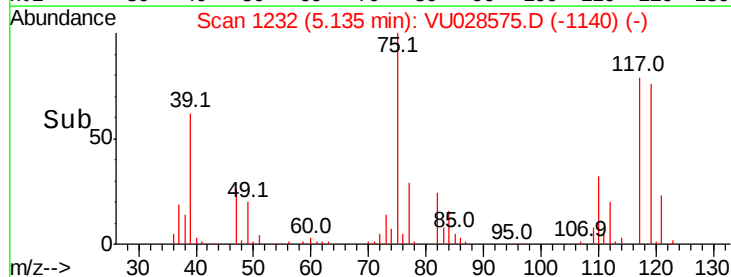
20000

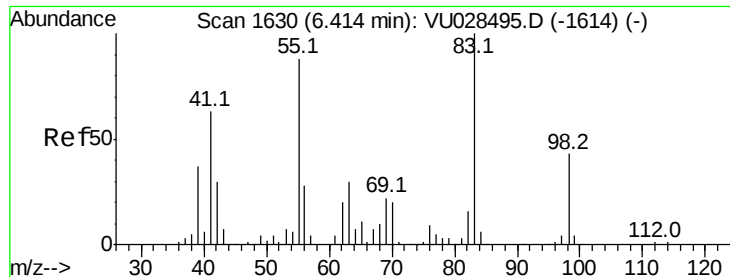
10000

0

5.05 5.10 5.15 5.20

Time-->

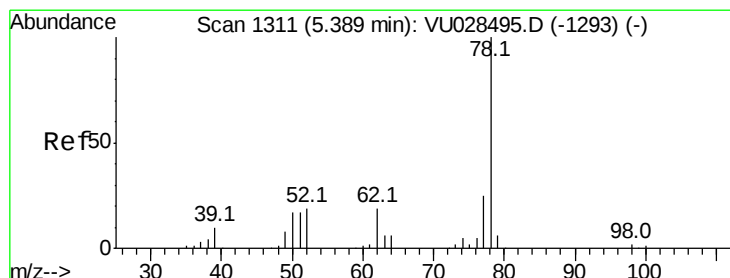
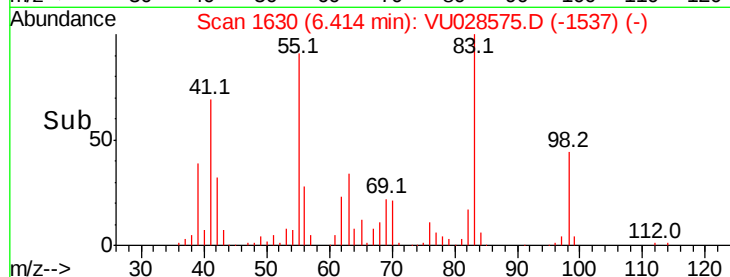
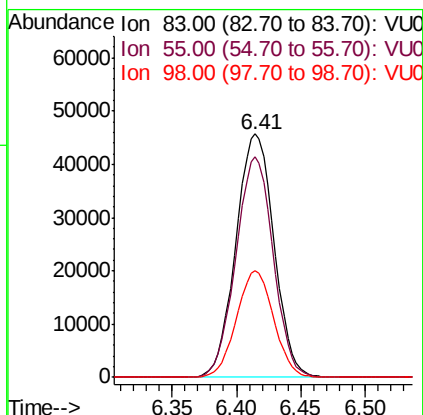
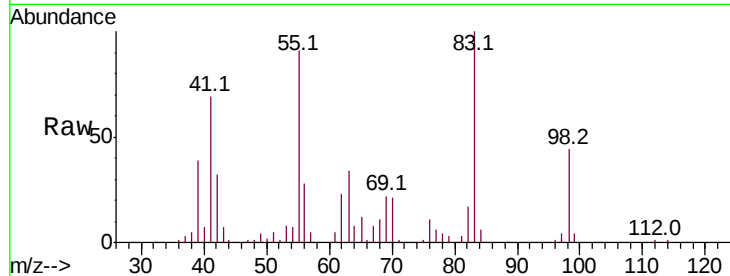




#39
Methvlcvclohexane
Concen: 47.696 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

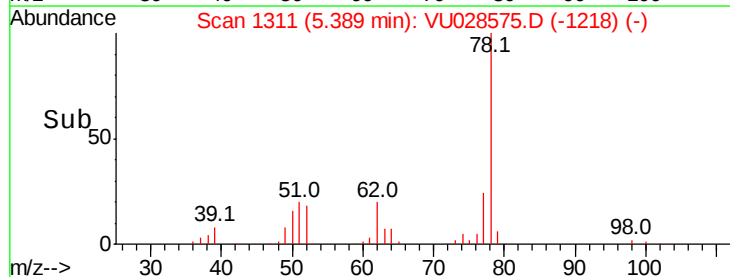
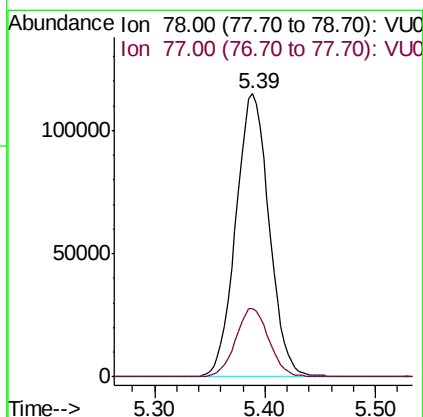
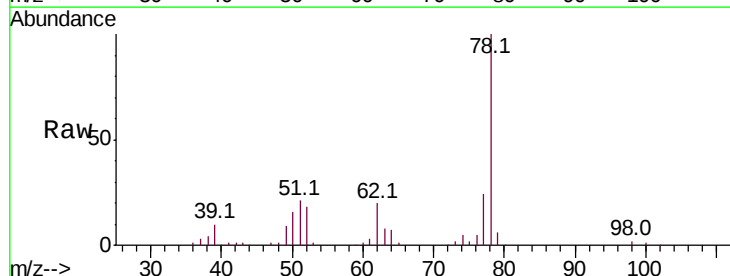
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

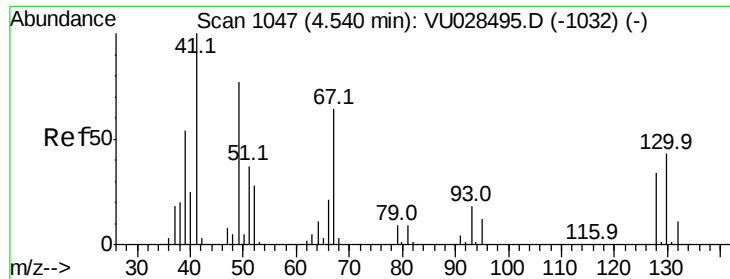
Tot Ion: 83 Resp: 94003
Ion Ratio Lower Upper
83 100
55 90.7 70.2 105.2
98 43.9 34.2 51.4



#40
Benzene
Concen: 50.654 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 78 Resp: 241015
Ion Ratio Lower Upper
78 100
77 24.3 19.9 29.9

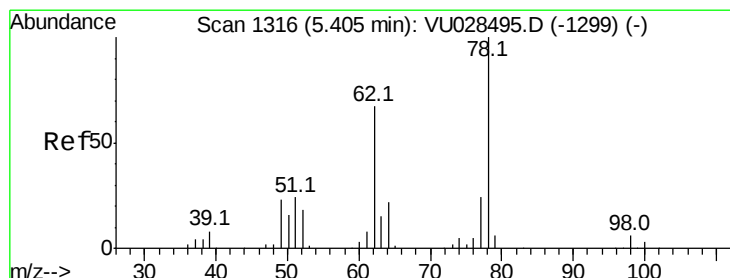
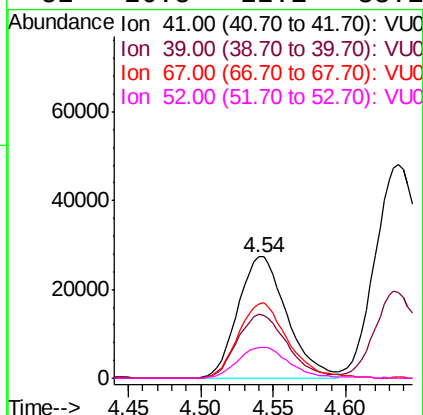
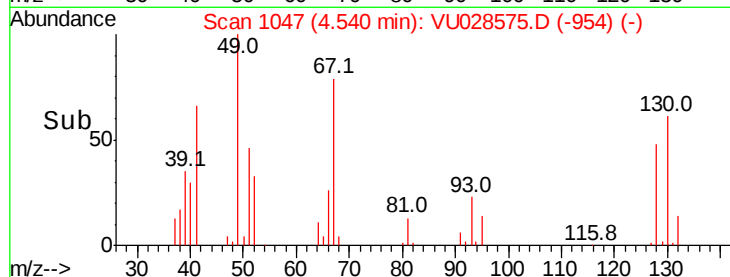
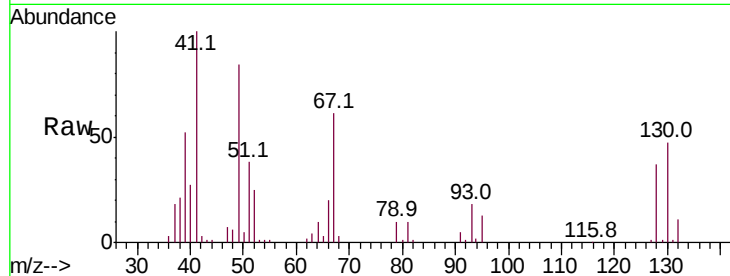




#41
Methacrylonitrile
Concen: 56.489 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

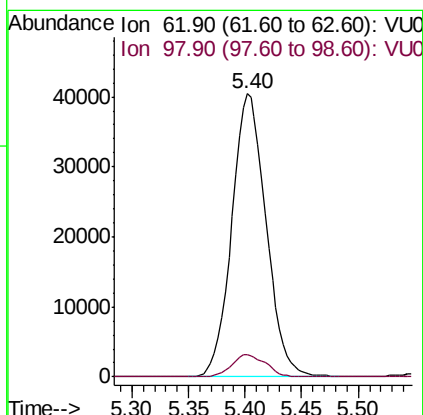
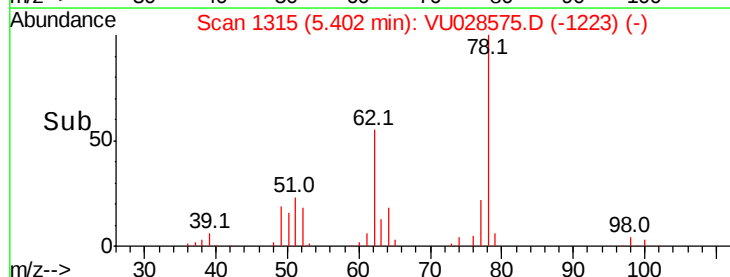
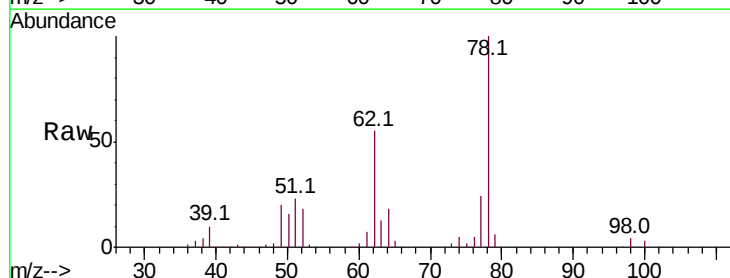
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

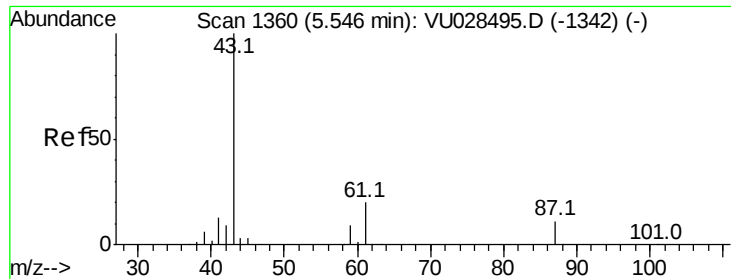
Tot Ion: 41 Resp: 64606
Ion Ratio Lower Upper
41 100
39 53.8 43.3 64.9
67 62.7 53.6 80.4
52 26.8 22.1 33.1



#42
1,2-Dichloroethane
Concen: 51.266 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 62 Resp: 85382
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.2





#43

Isopropyl Acetate

Concen: 55.258 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

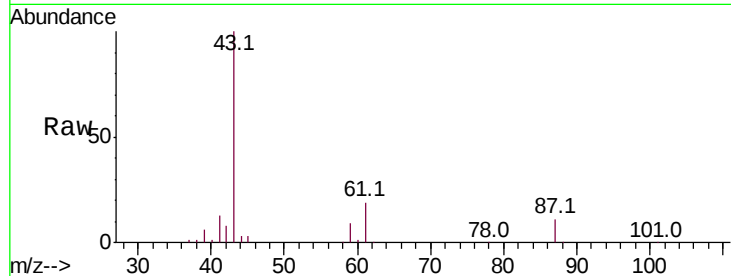
Tot Ion: 43 Resp: 182526

Ion Ratio Lower Upper

43 100

61 19.0 15.5 23.3

87 10.5 8.7 13.1



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

120000

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

100000

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

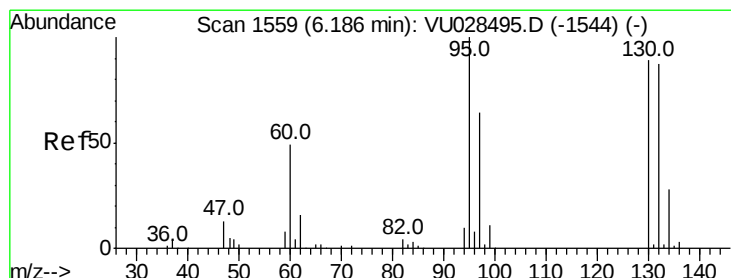
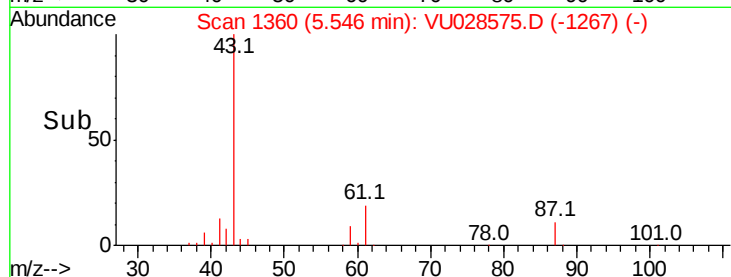
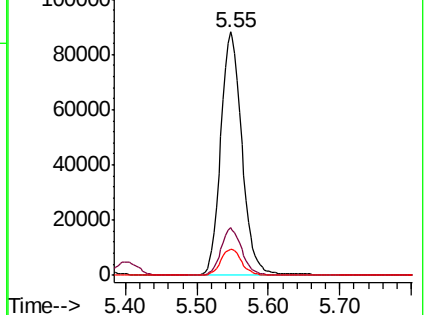
80000

60000

40000

20000

0



#44

Trichloroethene

Concen: 50.565 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028575.D

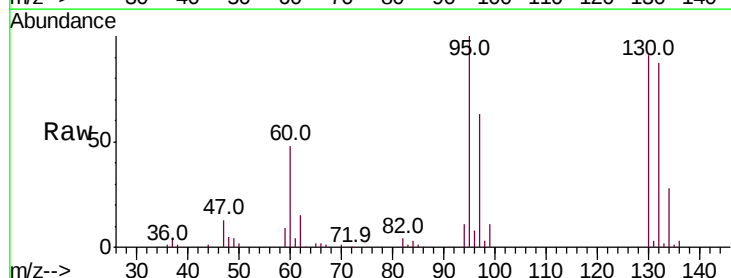
Acq: 11 Dec 2018 01:14

Tgt Ion:130 Resp: 53495

Ion Ratio Lower Upper

130 100

95 110.1 0.0 224.0



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

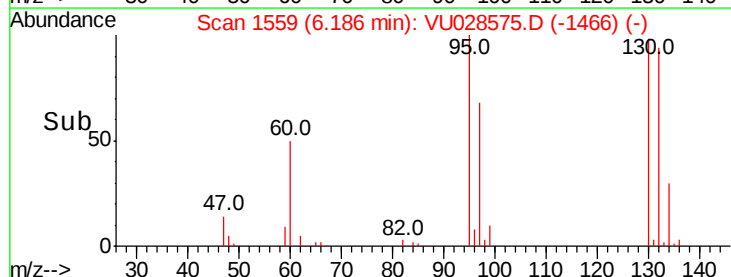
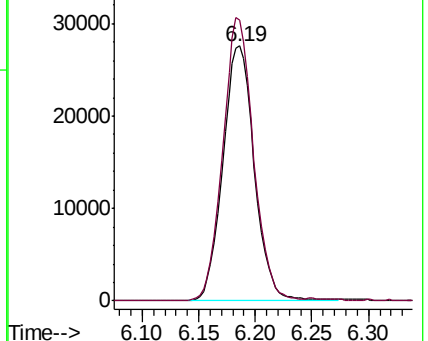
30000

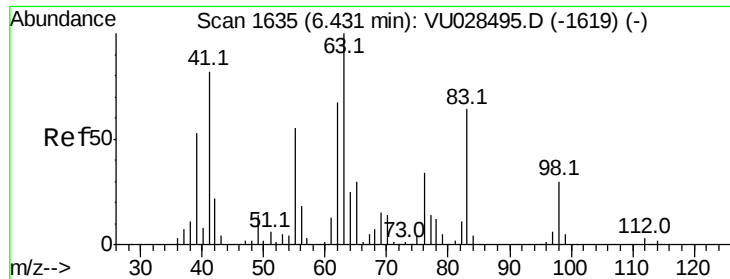
Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

20000

10000

0





#45

1,2-Dichloropropane

Concen: 53.520 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

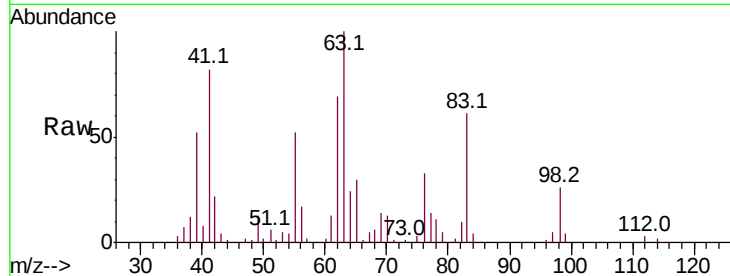
VSTDCCC050

Tot Ion: 63 Resp: 71610

Ion Ratio Lower Upper

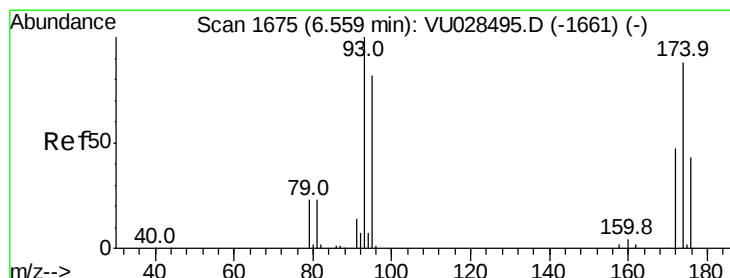
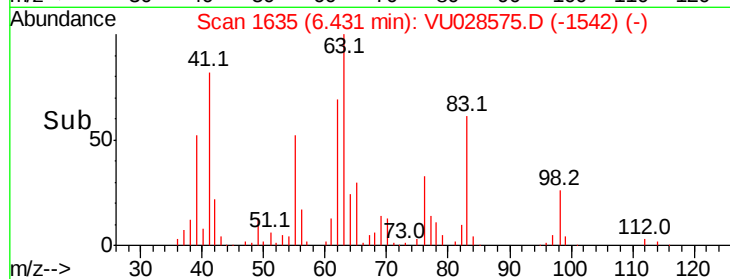
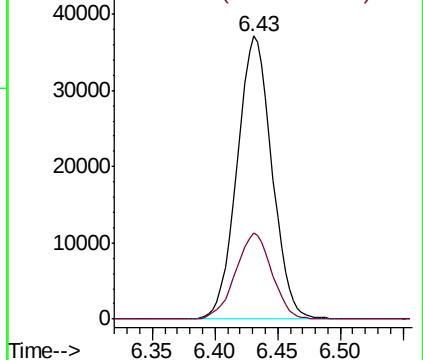
63 100

65 30.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 51.463 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

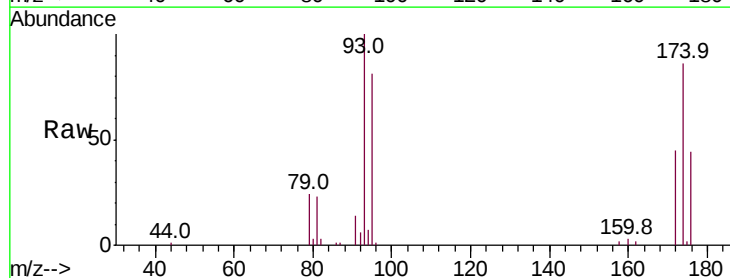
Tgt Ion: 93 Resp: 40855

Ion Ratio Lower Upper

93 100

95 82.4 65.4 98.2

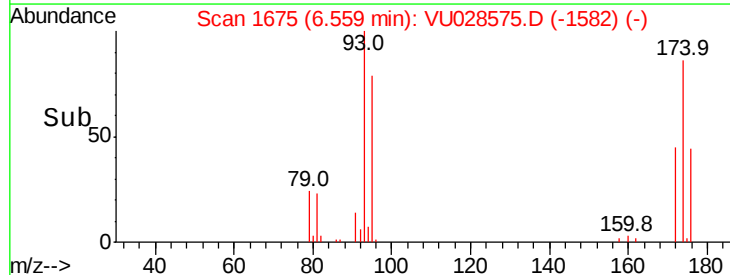
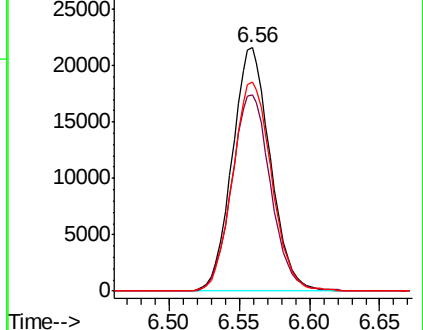
174 87.8 72.2 108.4

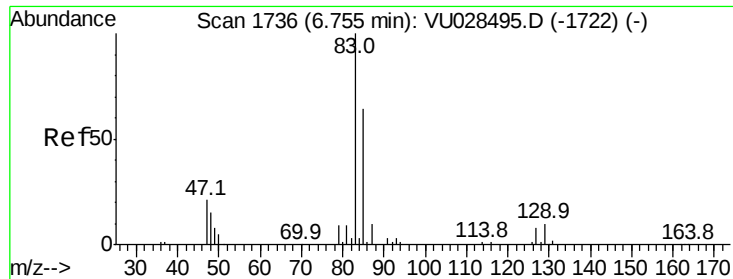


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.731 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

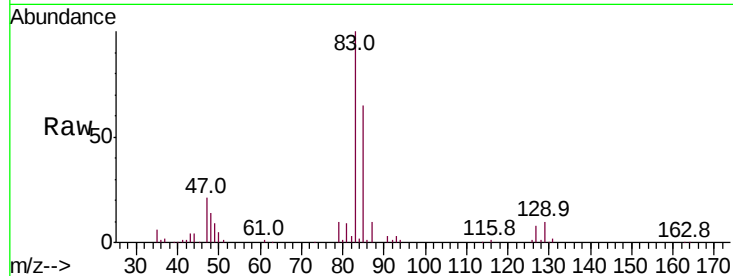
Tot Ion: 83 Resp: 79915

Ion Ratio Lower Upper

83 100

85 64.7 51.5 77.3

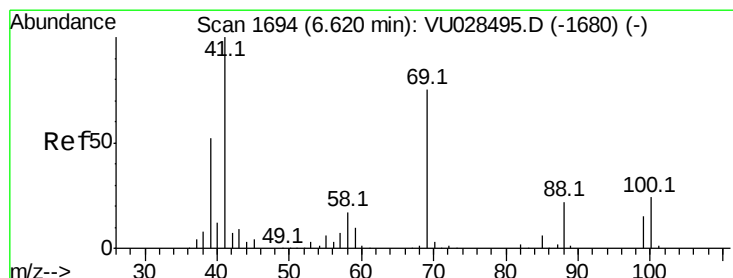
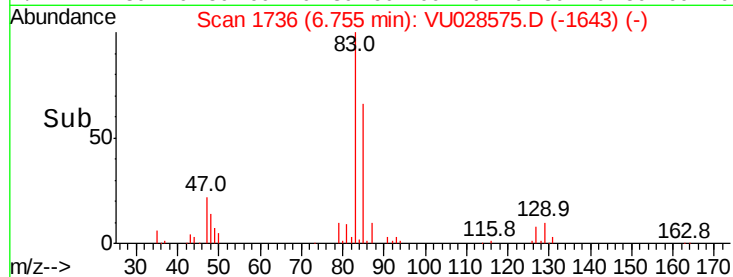
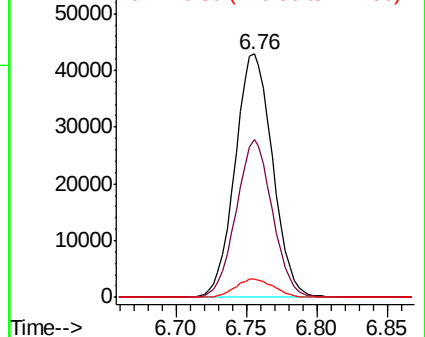
127 7.6 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028575.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028575.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028575.D (-1643) (-)



#48

Methyl methacrylate

Concen: 55.478 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

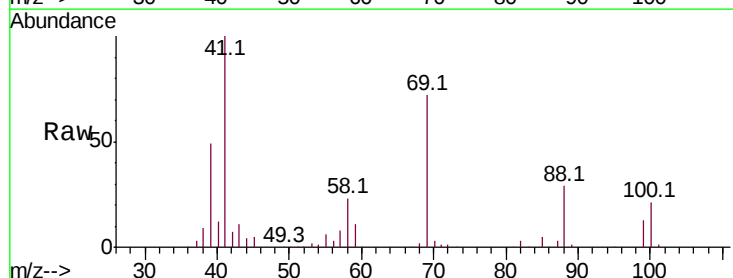
Tgt Ion: 41 Resp: 91133

Ion Ratio Lower Upper

41 100

69 73.7 60.4 90.6

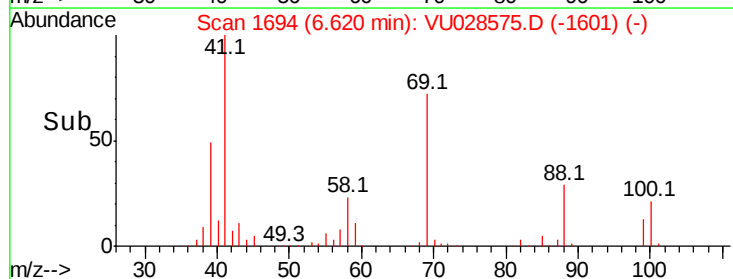
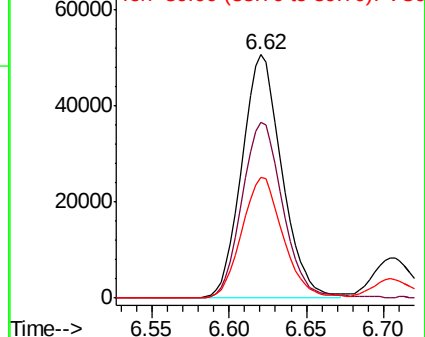
39 50.9 41.1 61.7

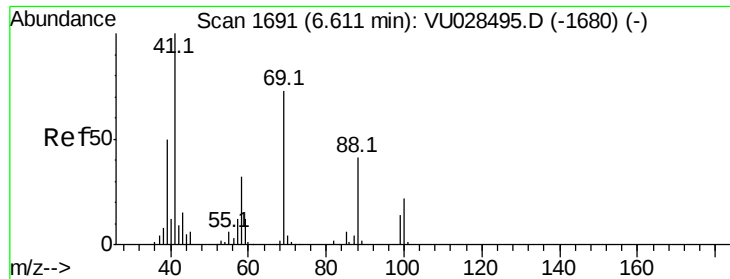


Abundance Ion 41.00 (40.70 to 41.70): VU028575.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028575.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028575.D (-1601) (-)

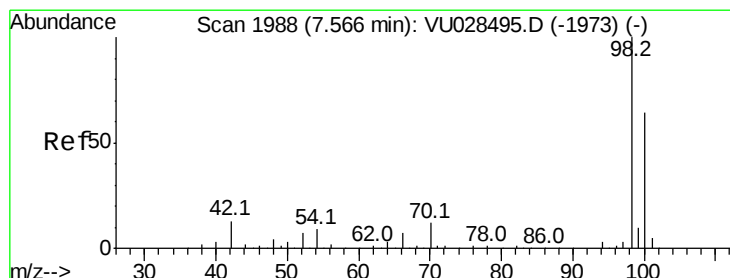
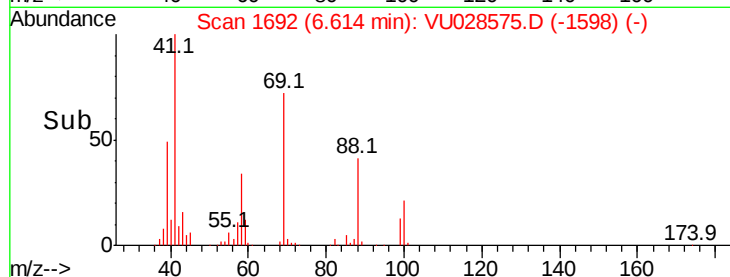
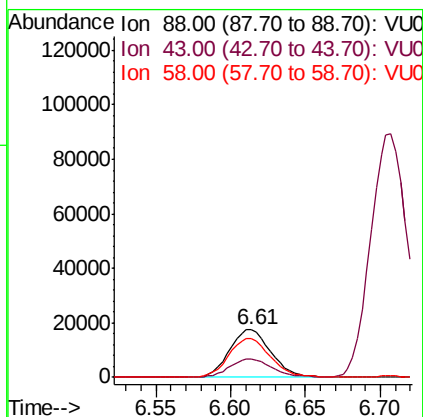
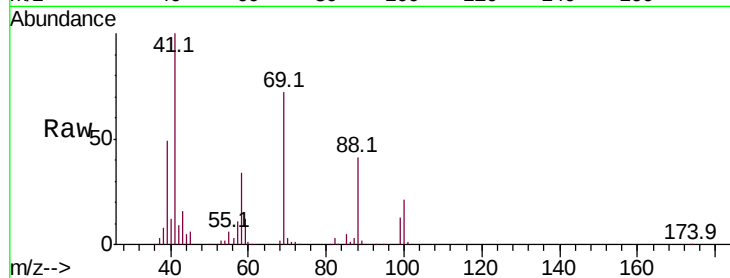




#49
1,4-Dioxane
Concen: 1300.287 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

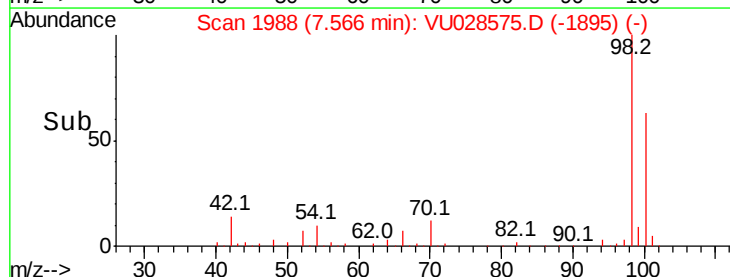
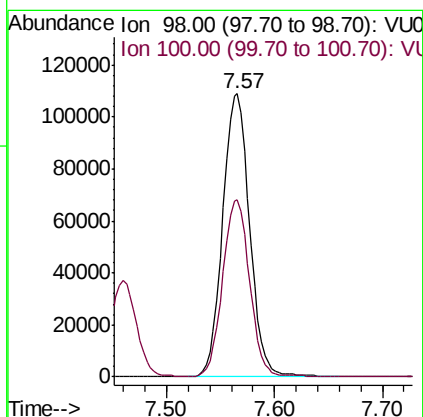
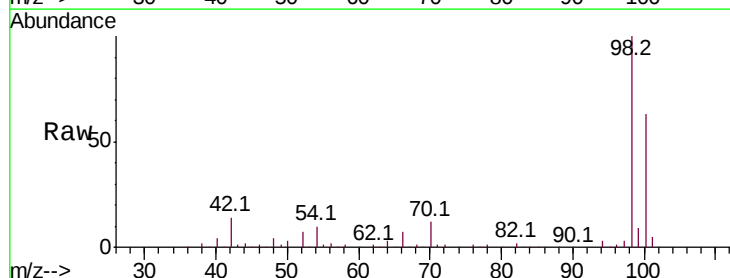
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

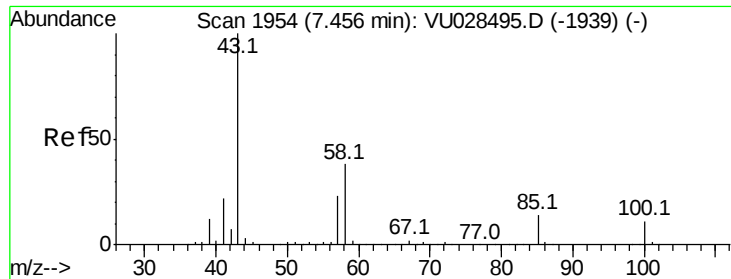
Tot Ion: 88 Resp: 33726
Ion Ratio Lower Upper
88 100
43 39.4 30.9 46.3
58 82.5 62.4 93.6



#50
Toluene-d8
Concen: 51.603 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 98 Resp: 189651
Ion Ratio Lower Upper
98 100
100 62.2 51.0 76.6

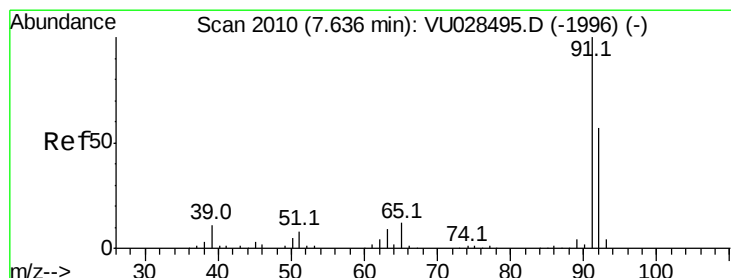
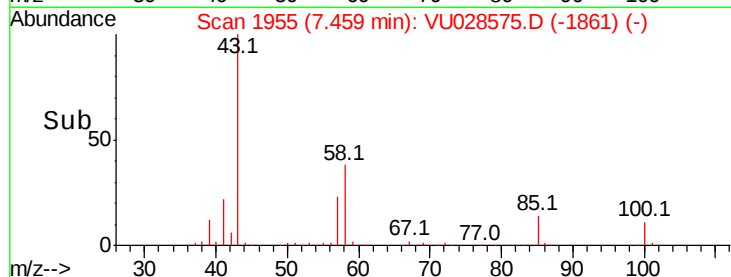
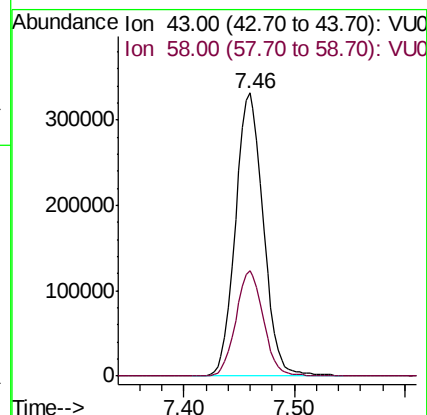
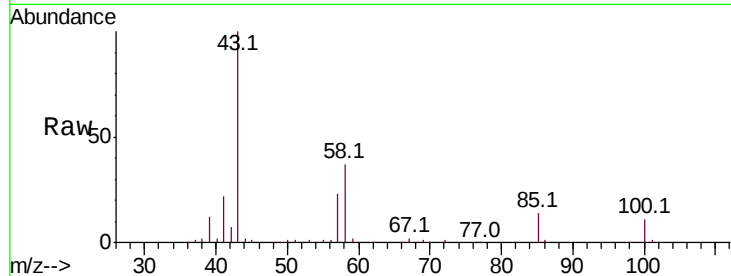




#51
4-Methyl-2-Pentanone
Concen: 279.541 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

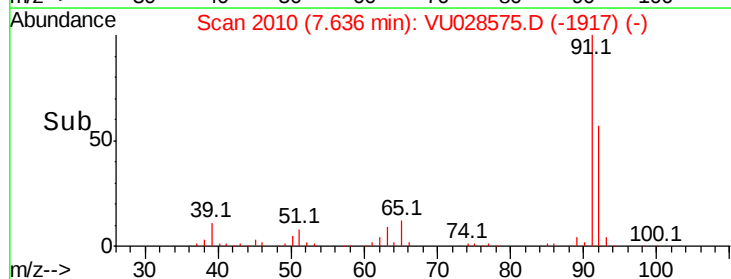
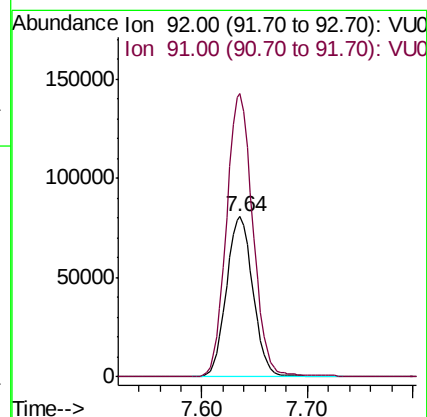
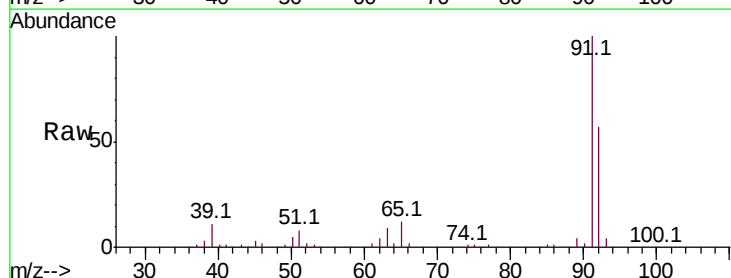
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

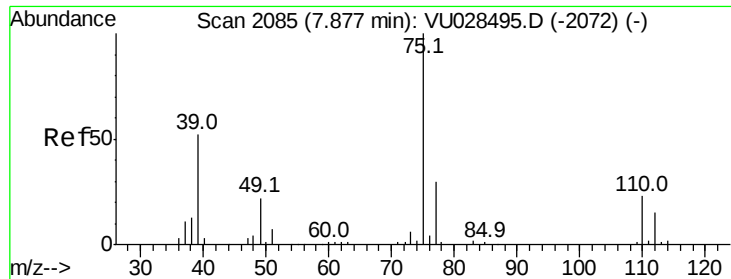
Tot Ion: 43 Resp: 582382
Ion Ratio Lower Upper
43 100
58 36.7 30.2 45.2



#52
Toluene
Concen: 50.540 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 92 Resp: 141521
Ion Ratio Lower Upper
92 100
91 175.5 140.2 210.4

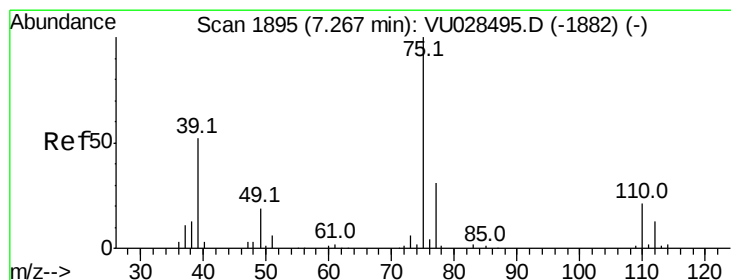
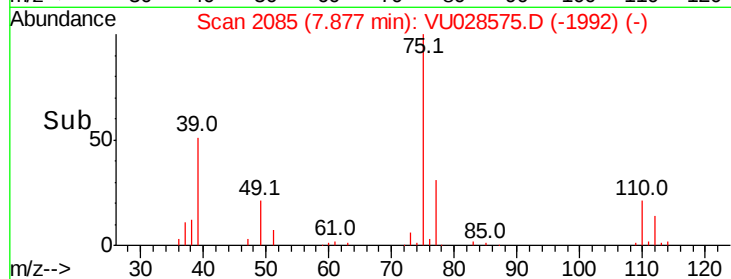
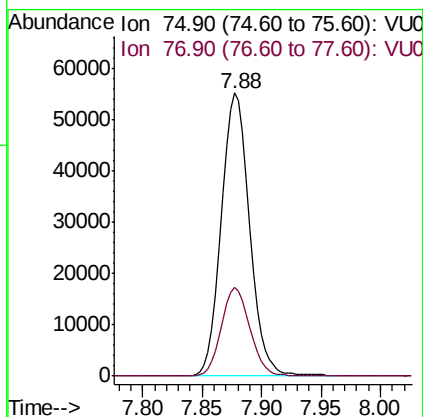
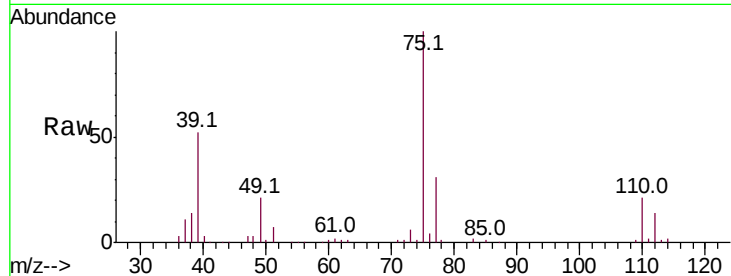




#53
 t-1,3-Dichloropropene
 Concen: 49.753 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

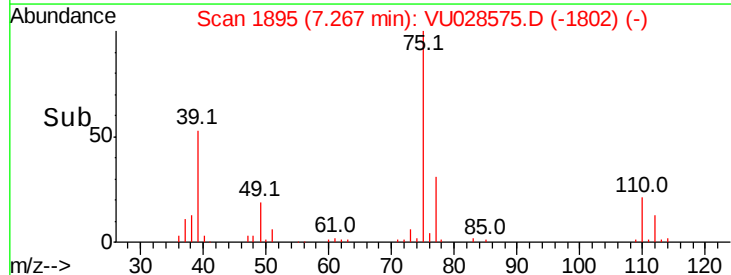
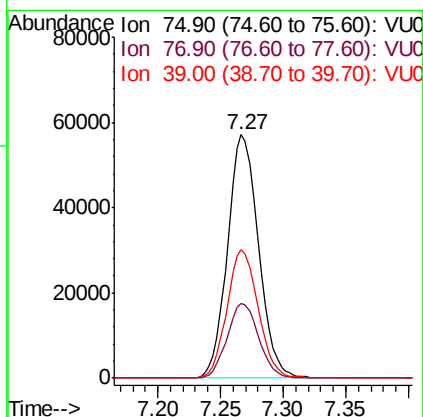
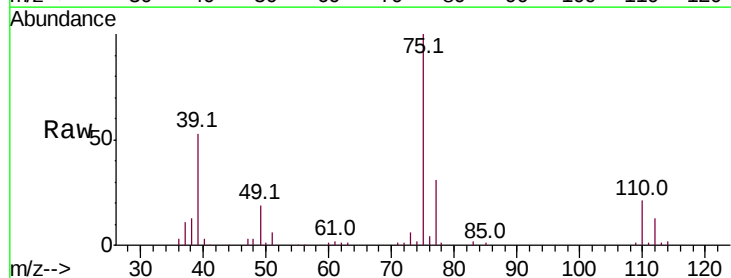
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

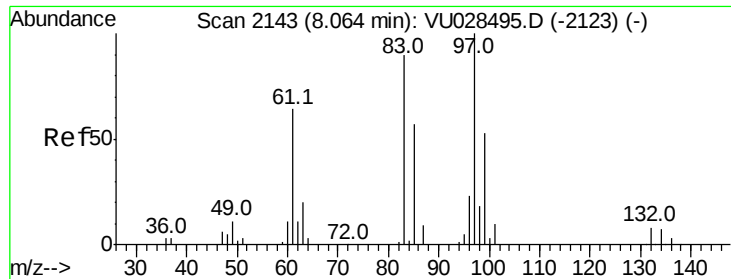
Tot Ion: 75 Resp: 91539
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 49.180 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 75 Resp: 98170
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4
 39 53.0 41.3 61.9



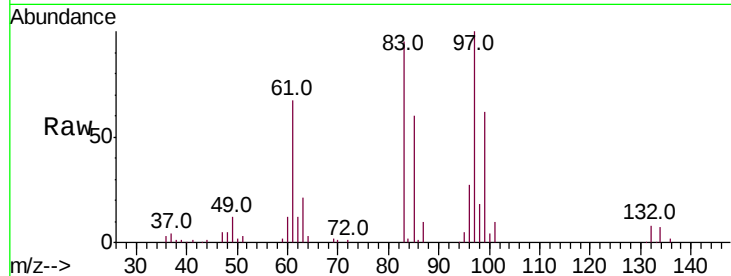


#55
 1,1,2-Trichloroethane
 Concen: 52.127 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 57699

Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.4	108.6
85	60.4	46.0	69.0
99	61.8	47.4	71.2



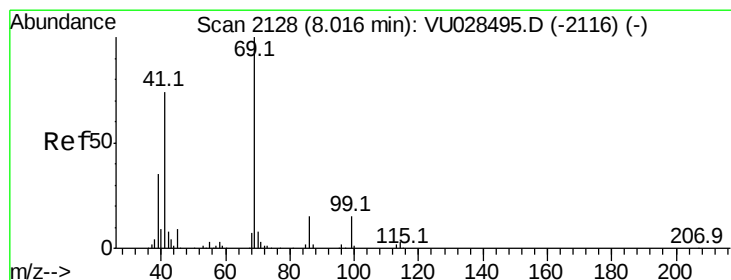
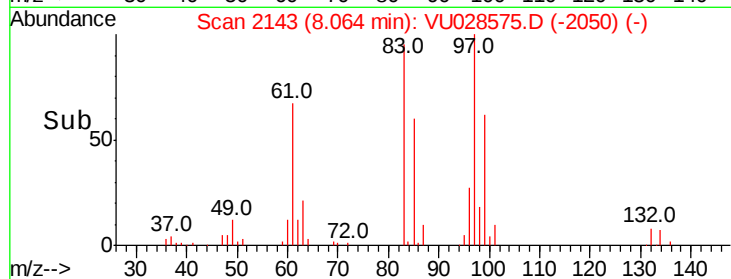
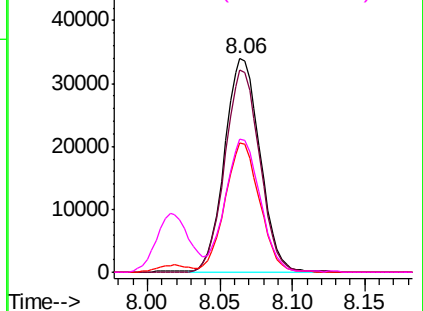
Abundance

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

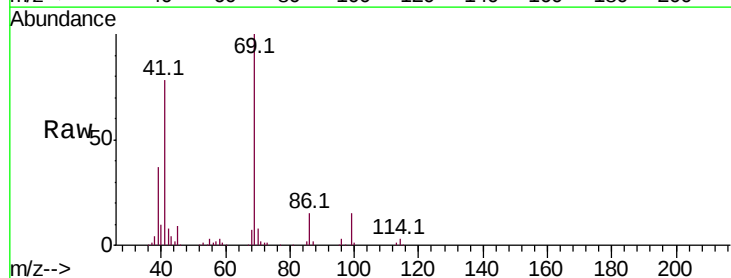
Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 52.934 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 69 Resp: 100337

Ion	Ratio	Lower	Upper
69	100		
41	76.9	59.1	88.7
39	37.1	28.4	42.6

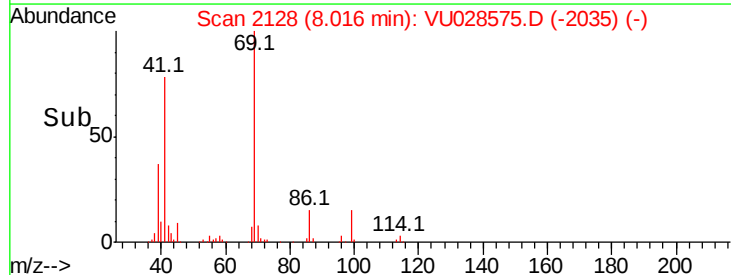
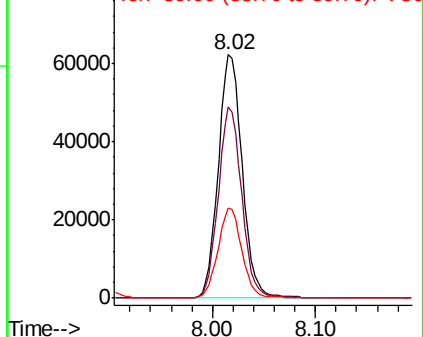


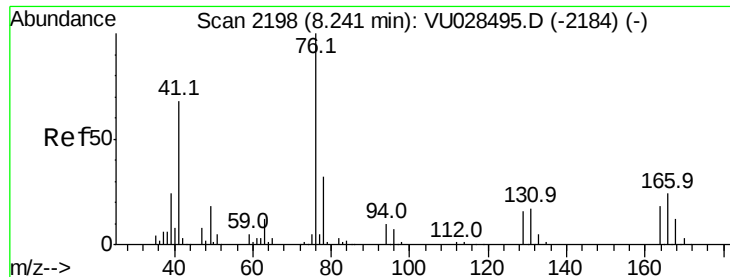
Abundance

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: 50.828 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

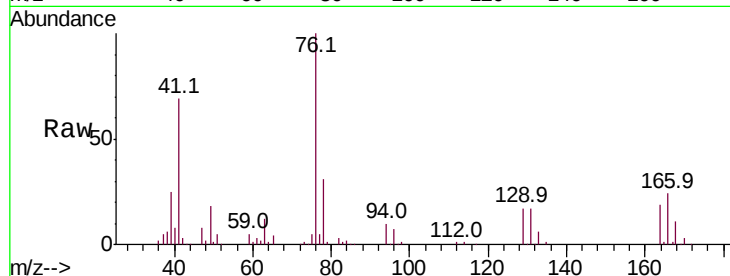
VSTDCCC050

Tot Ion: 76 Resp: 104437

Ion Ratio Lower Upper

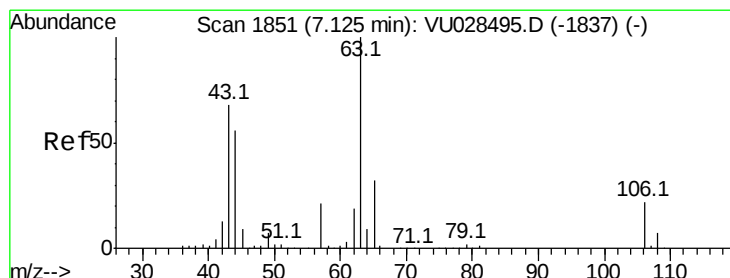
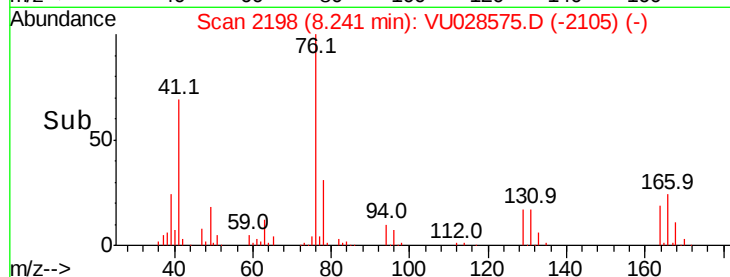
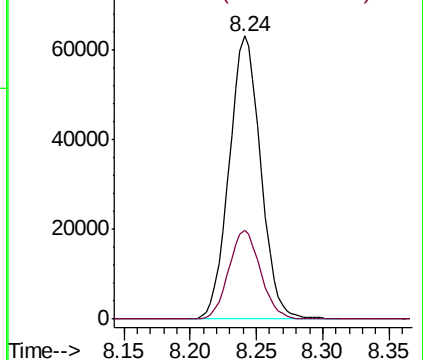
76 100

78 31.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 254.897 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028575.D

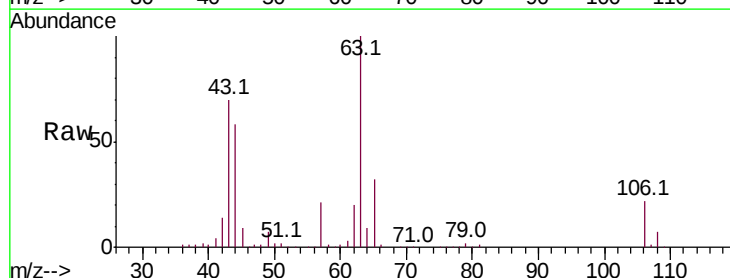
Acq: 11 Dec 2018 01:14

Tgt Ion: 63 Resp: 247475

Ion Ratio Lower Upper

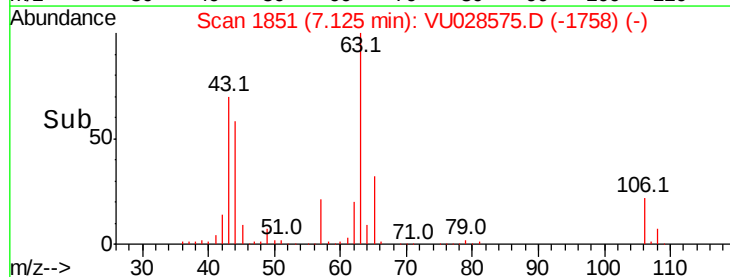
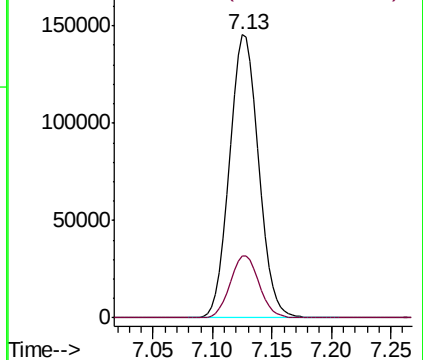
63 100

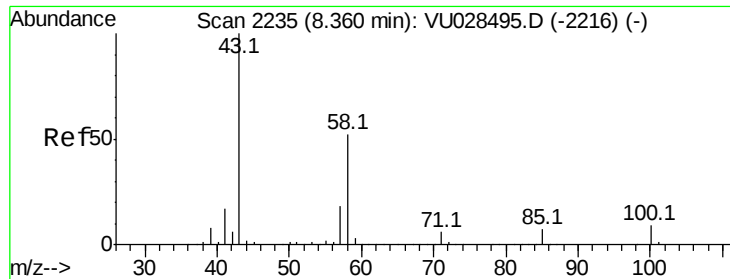
106 21.8 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

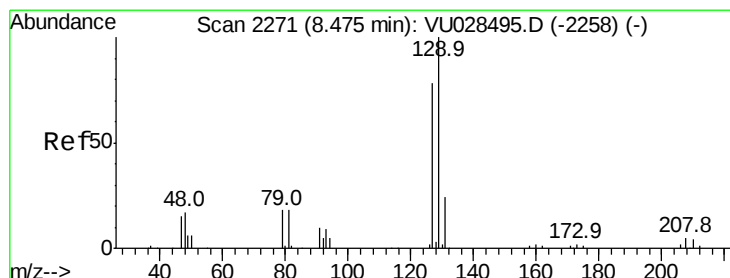
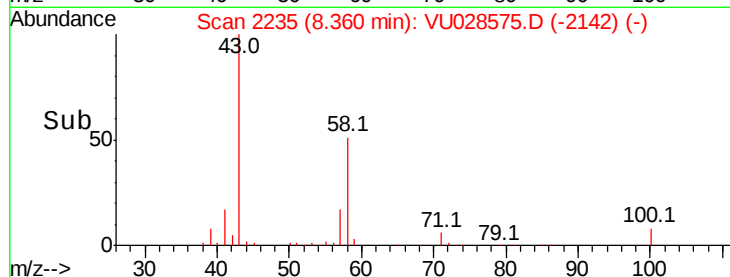
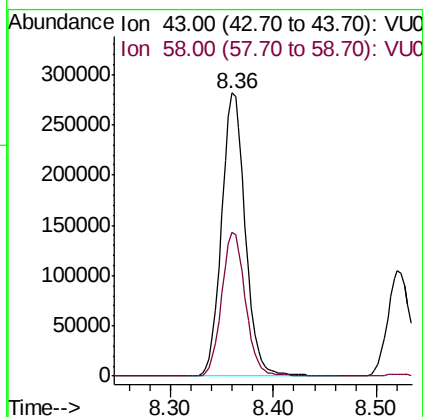
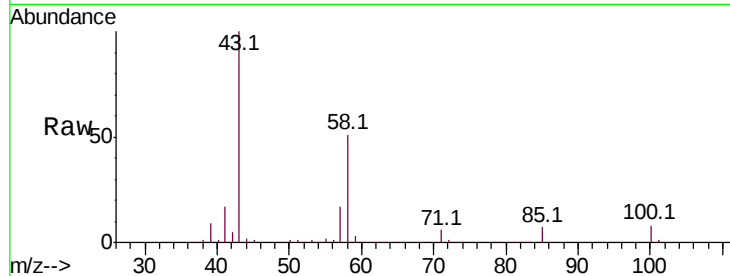




#59
2-Hexanone
Concen: 272.700 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

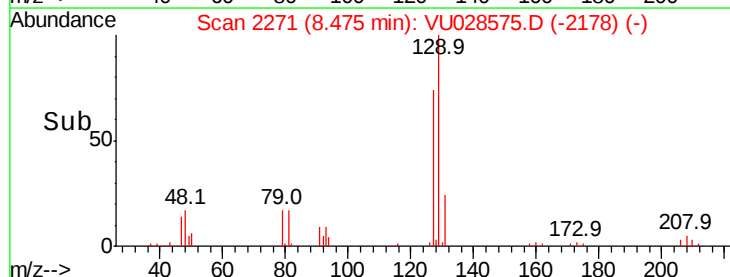
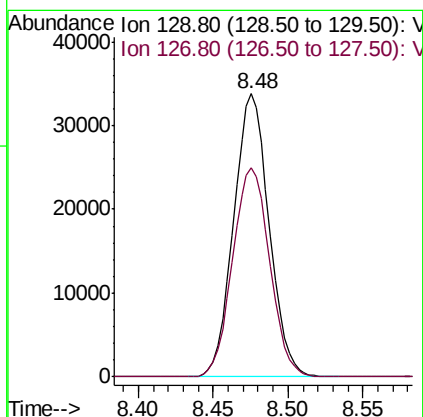
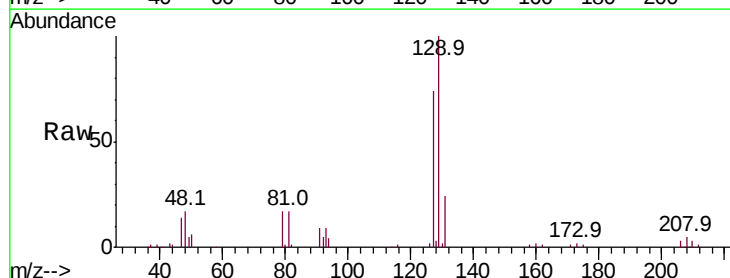
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

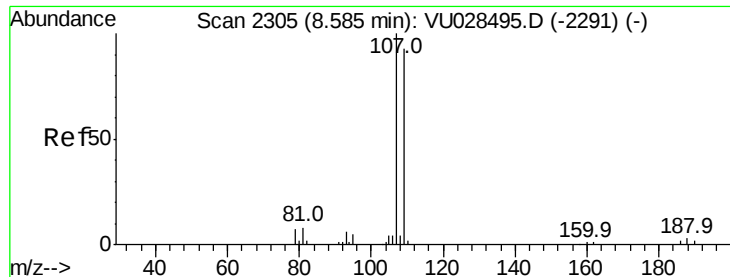
Tot Ion: 43 Resp: 450303
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 51.347 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 129 Resp: 55646
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.939 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

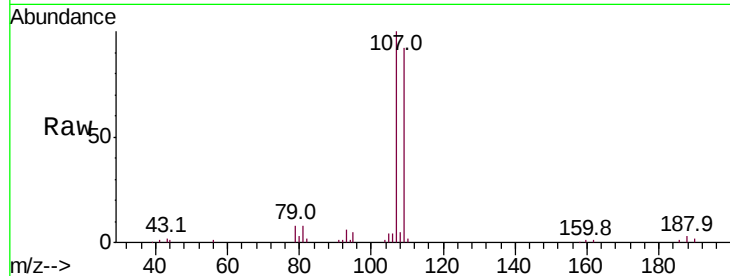
VSTDCCC050

Tot Ion:107 Resp: 60289

Ion Ratio Lower Upper

107 100

109 93.1 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

40000

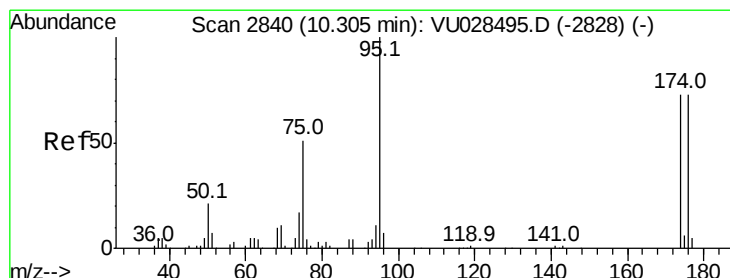
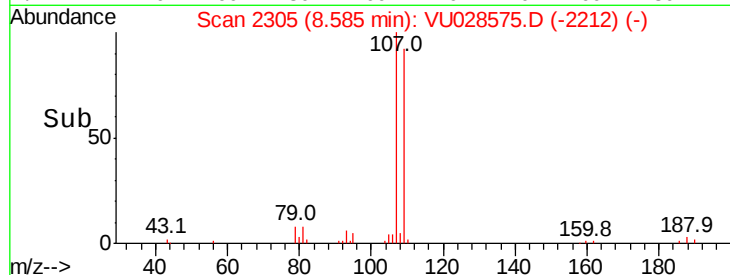
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 49.945 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

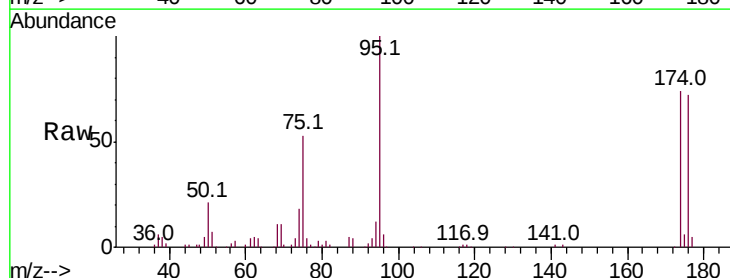
Tgt Ion: 95 Resp: 68606

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 73.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

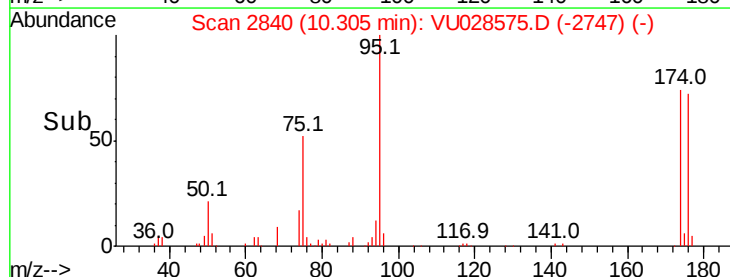
30000

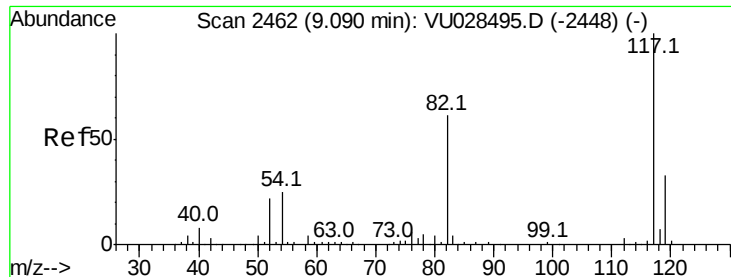
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

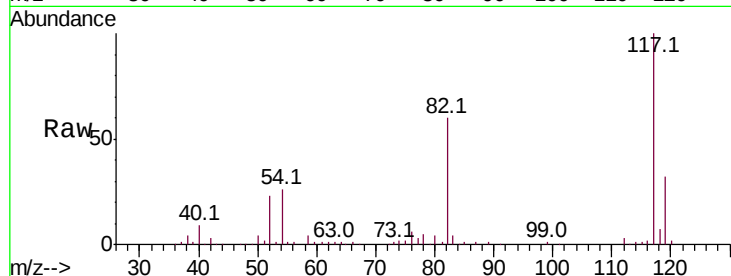




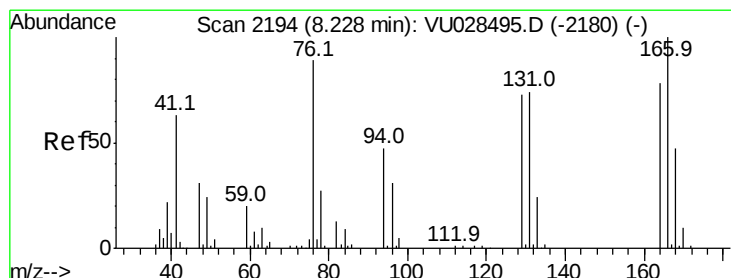
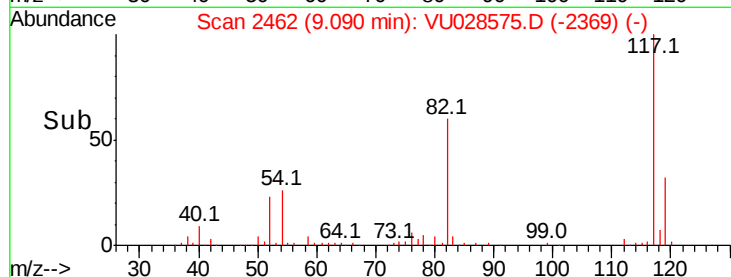
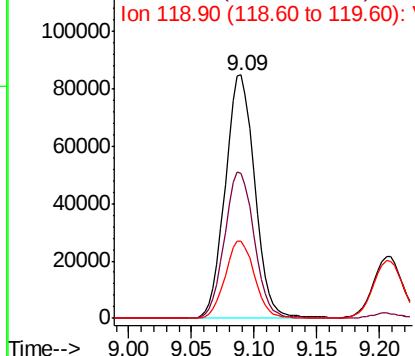
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 139294
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 31.7 26.2 39.4

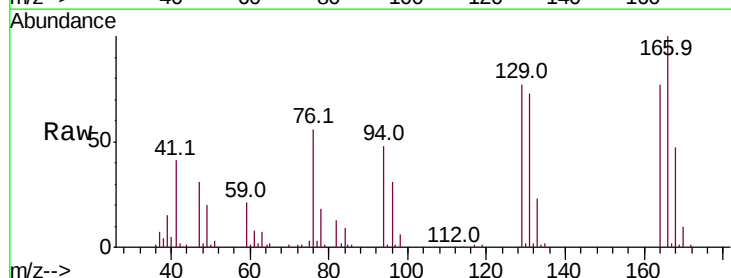


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

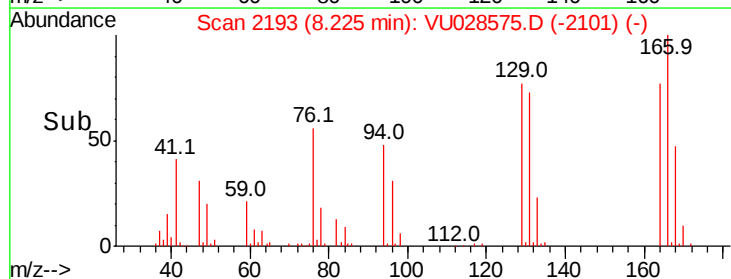
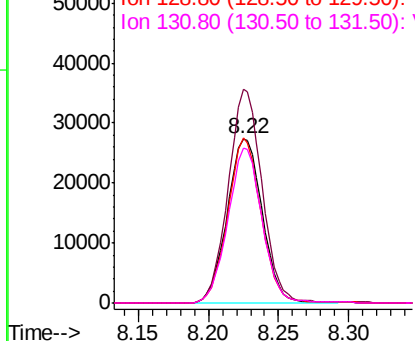


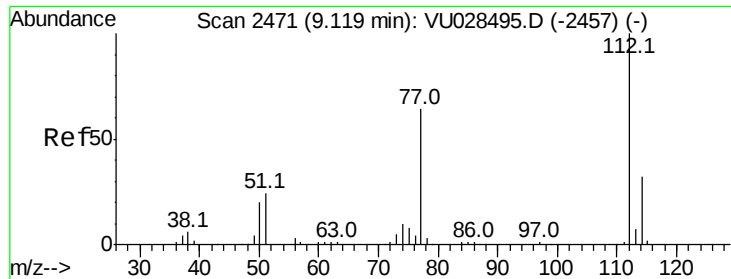
#64
Tetrachloroethene
Concen: 51.279 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:164 Resp: 47645
Ion Ratio Lower Upper
164 100
166 130.2 101.9 152.9
129 100.5 74.9 112.3
131 94.6 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

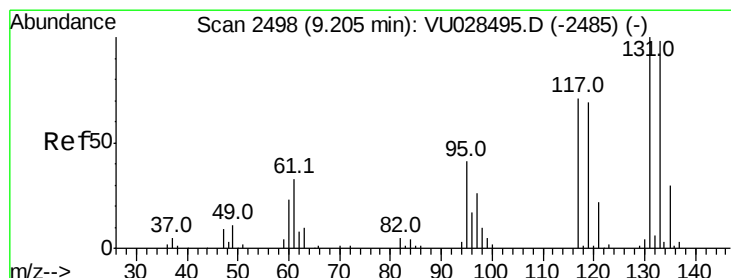
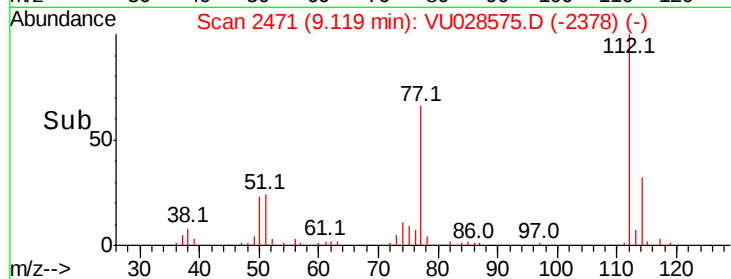
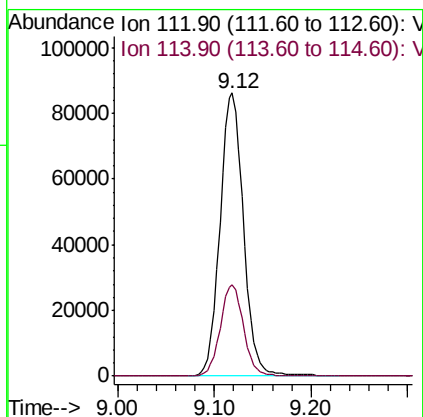
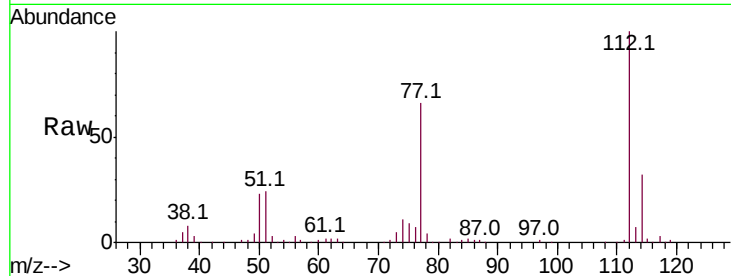




#65
Chlorobenzene
Concen: 48.956 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

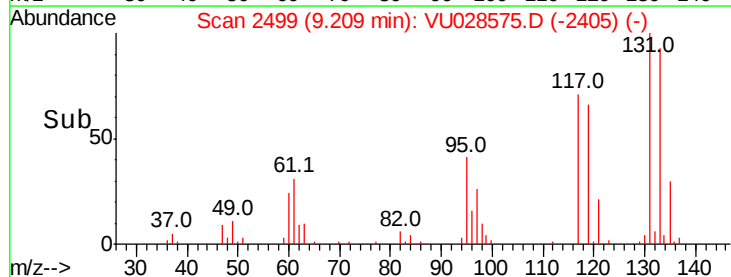
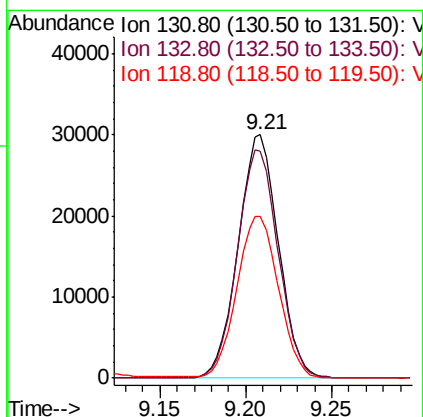
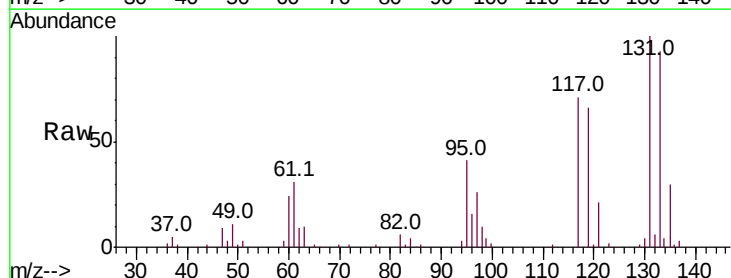
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

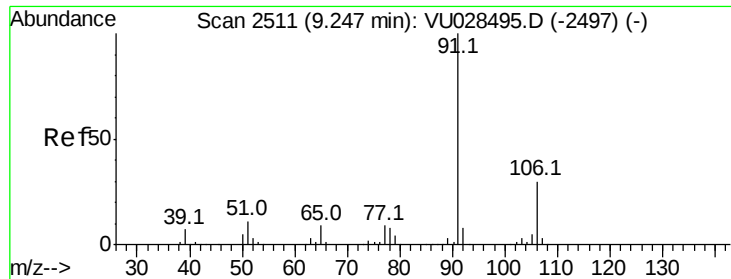
Tot Ion:112 Resp: 145312
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.663 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:131 Resp: 48969
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 68.8 34.6 103.9

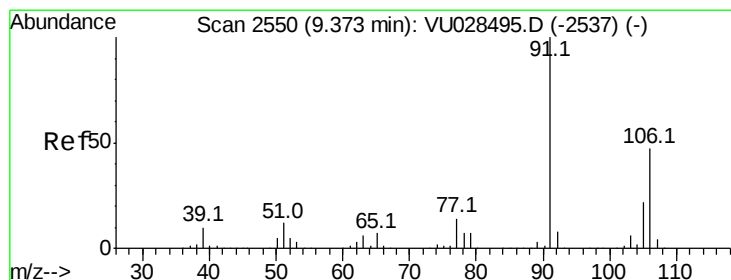
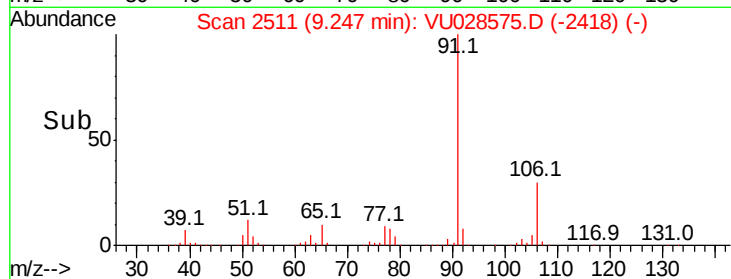
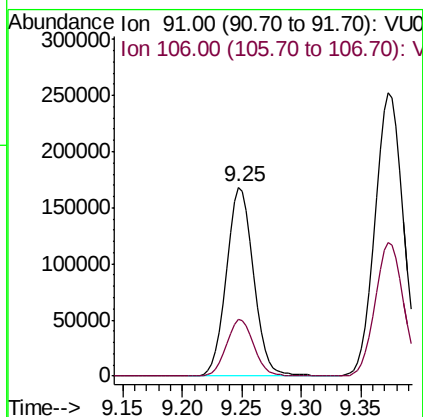
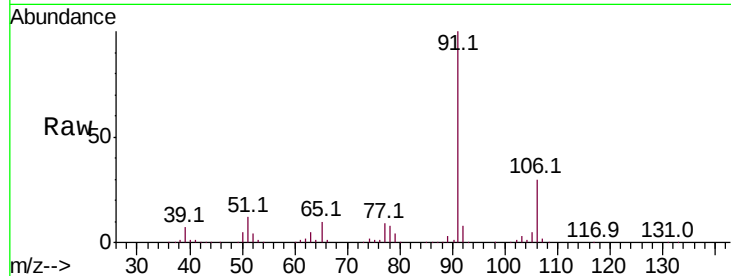




#67
Ethyl Benzene
Concen: 49.034 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

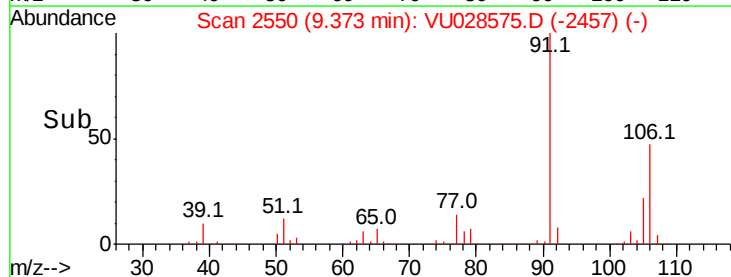
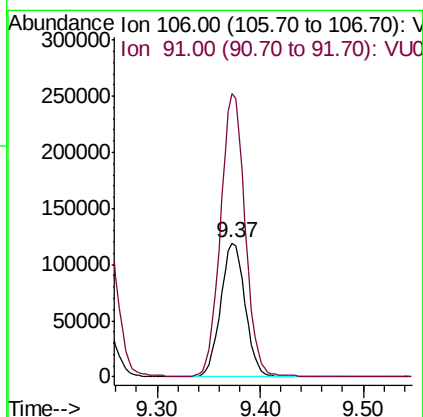
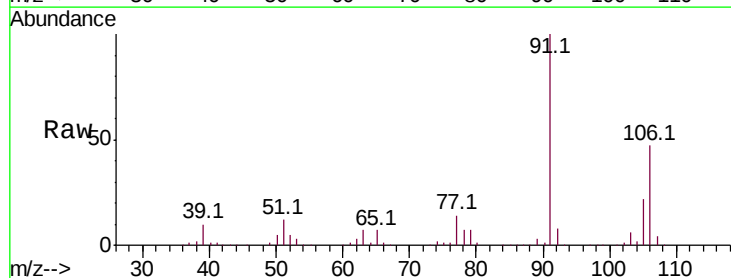
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

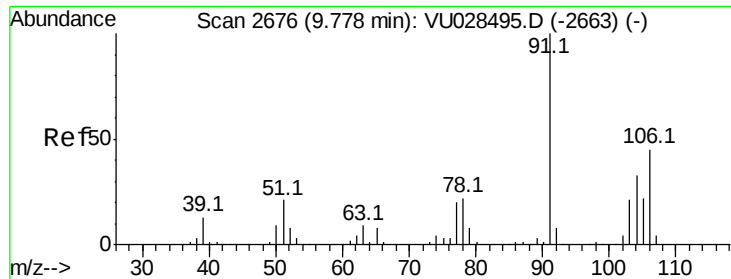
Tot Ion: 91 Resp: 267558
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 99.587 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 106 Resp: 197728
Ion Ratio Lower Upper
106 100
91 211.9 167.4 251.0

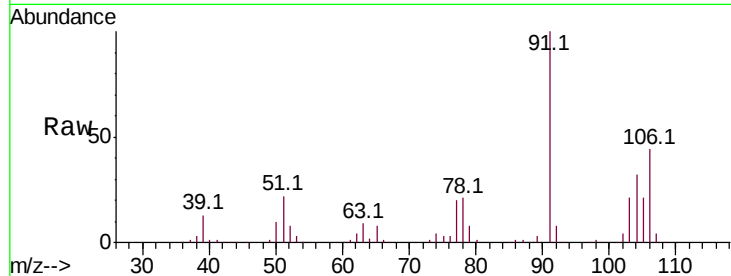




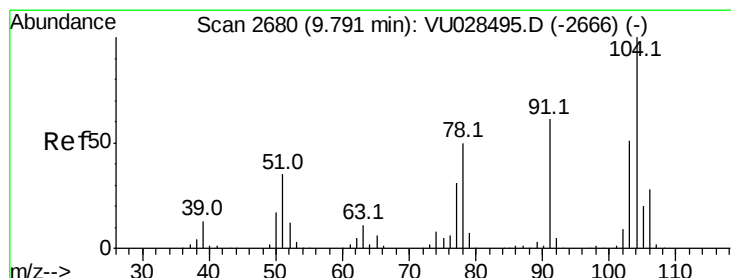
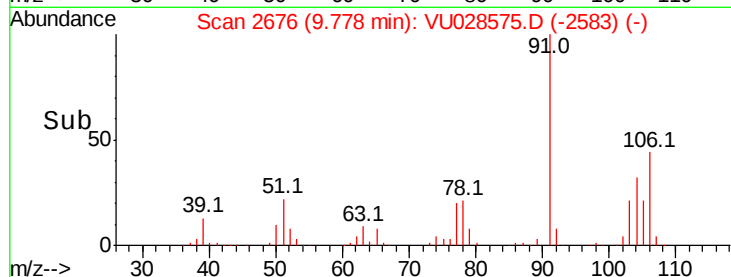
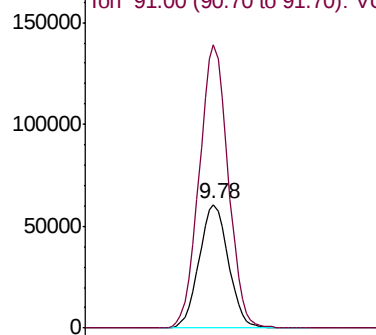
#69
o-Xylene
Concen: 49.609 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 95721
Ion Ratio Lower Upper
106 100
91 226.4 111.3 334.0

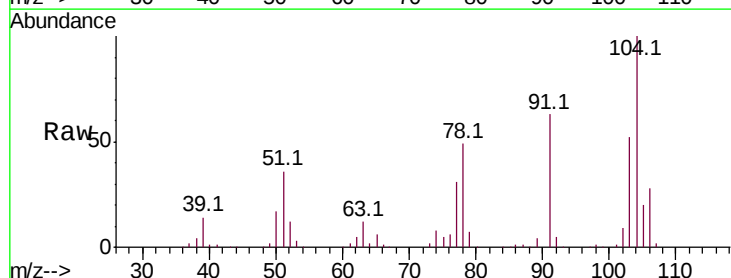


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

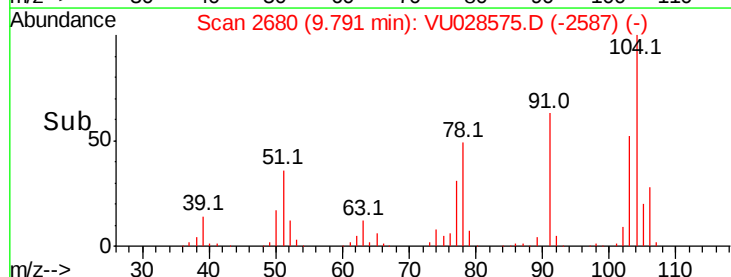
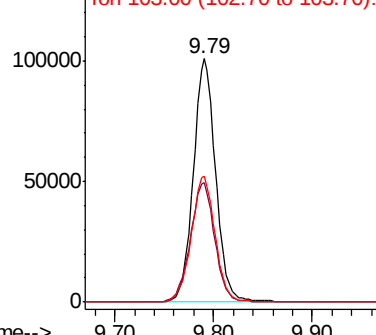


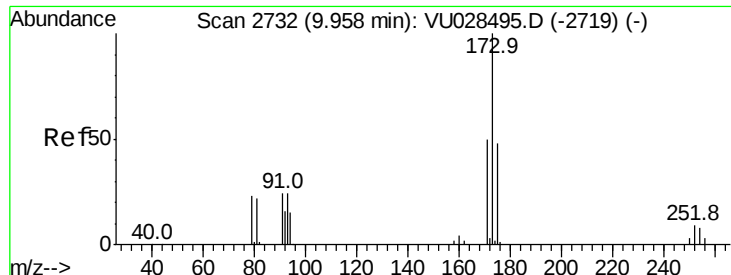
#70
Styrene
Concen: 50.175 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:104 Resp: 160216
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 55.2 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: 52.371 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

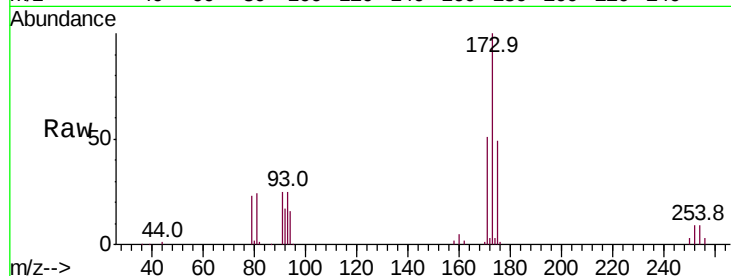
Tot Ion:173 Resp: 42228

Ion Ratio Lower Upper

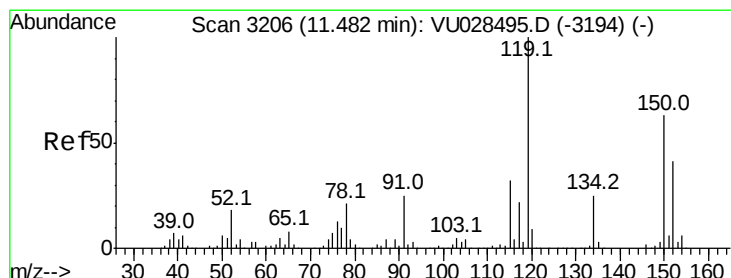
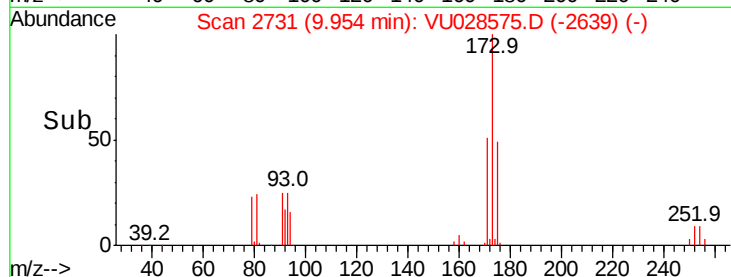
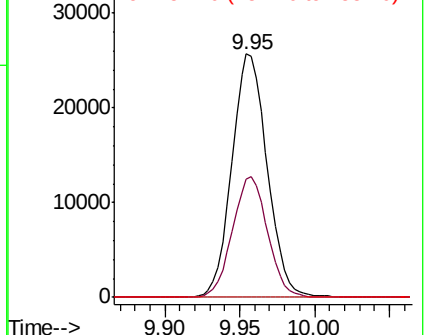
173 100

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: VU028575.D

Acq: 11 Dec 2018 01:14

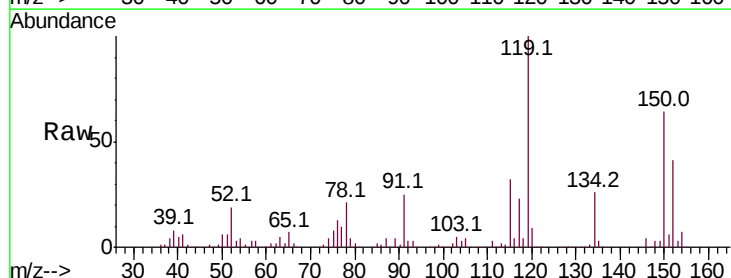
Tgt Ion:152 Resp: 67811

Ion Ratio Lower Upper

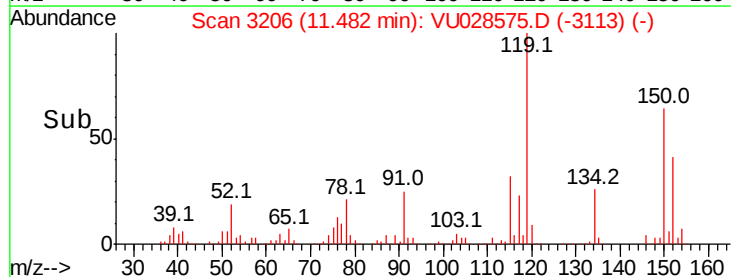
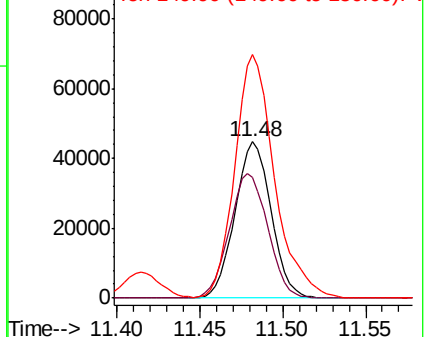
152 100

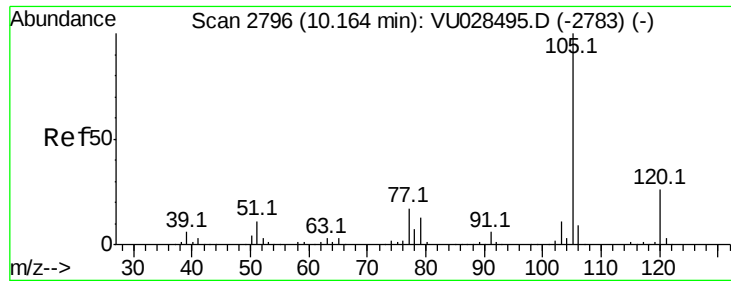
115 84.7 42.7 128.1

150 171.5 0.0 346.0



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





#73

Isopropylbenzene

Concen: 49.108 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

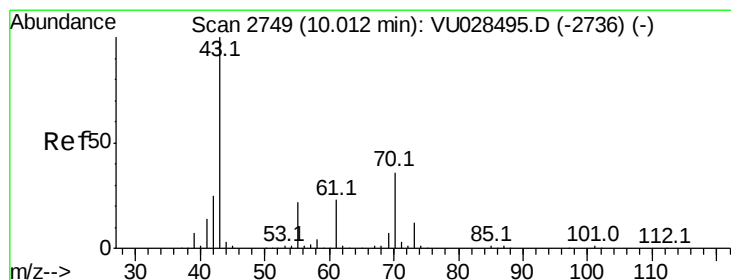
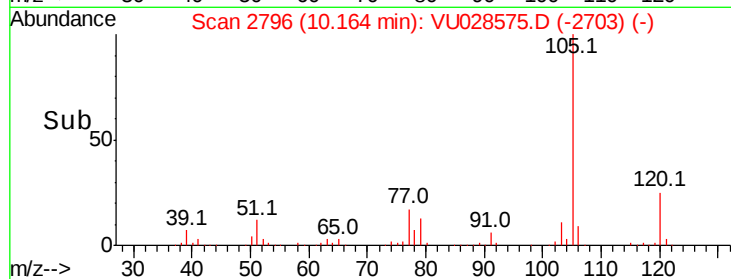
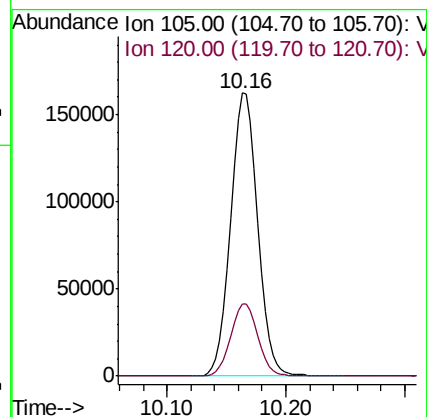
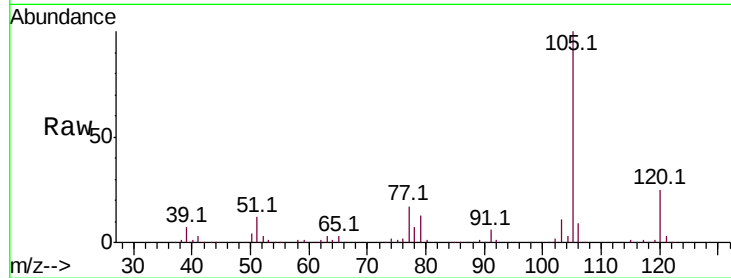
VSTDCCC050

Tot Ion:105 Resp: 255527

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#74

N-ethyl acetate

Concen: 52.749 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion: 43 Resp: 158323

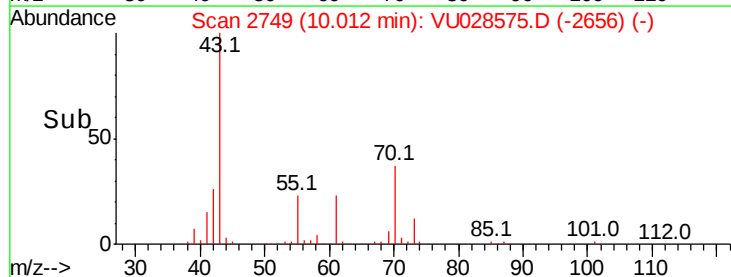
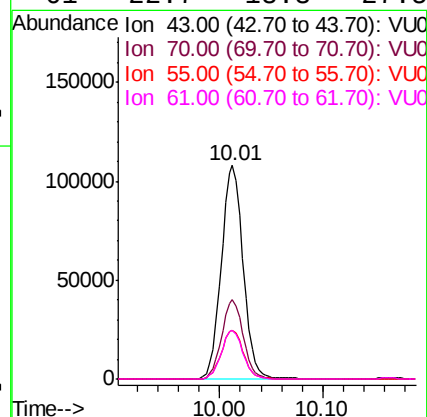
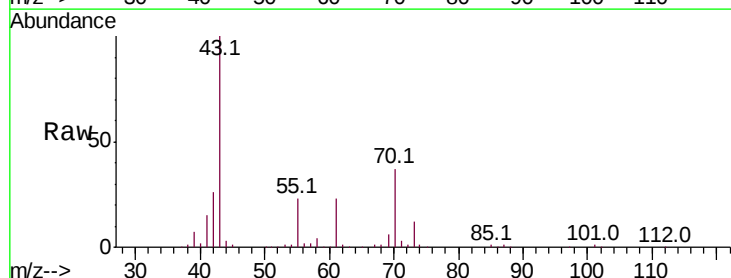
Ion Ratio Lower Upper

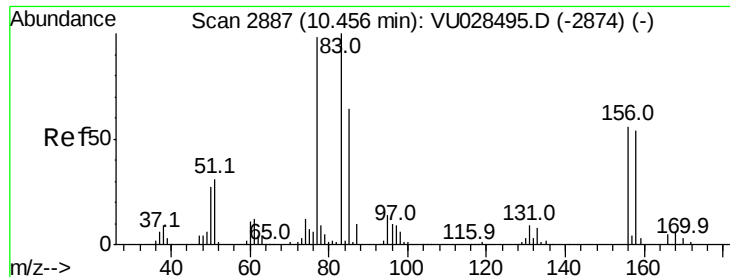
43 100

70 36.7 29.3 43.9

55 23.1 18.0 27.0

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.109 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

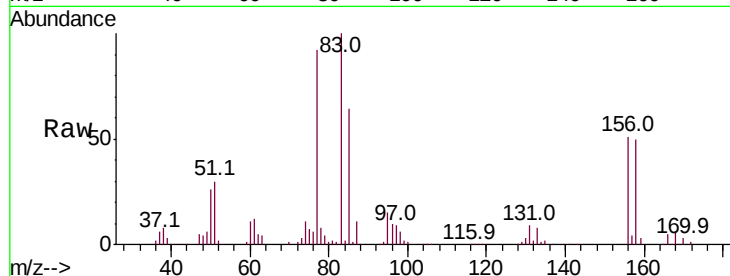
Tot Ion: 83 Resp: 106157

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.2	12.4
85	63.9	31.8	95.4

83 100

131 8.7 4.2 12.4

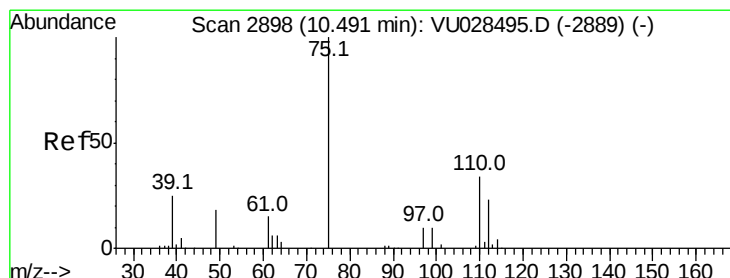
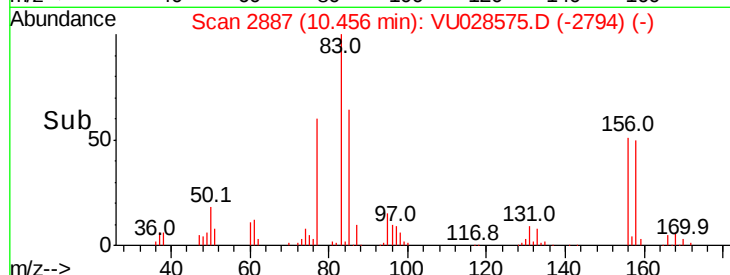
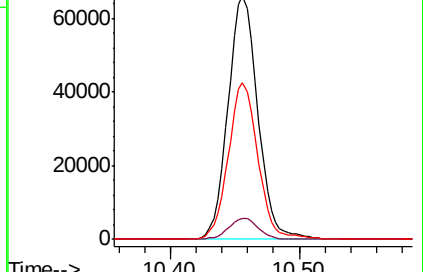
85 63.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 72.770 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028575.D

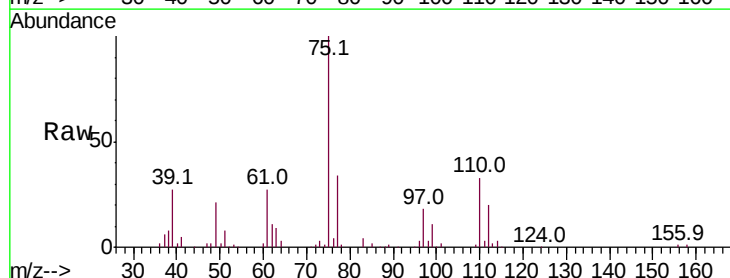
Acq: 11 Dec 2018 01:14

Tgt Ion: 75 Resp: 126007

Ion	Ratio	Lower	Upper
75	100		
77	30.7	20.8	62.4

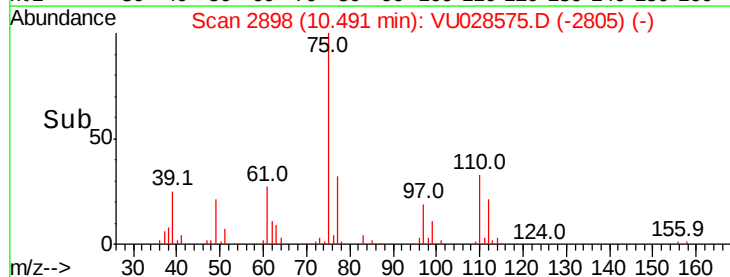
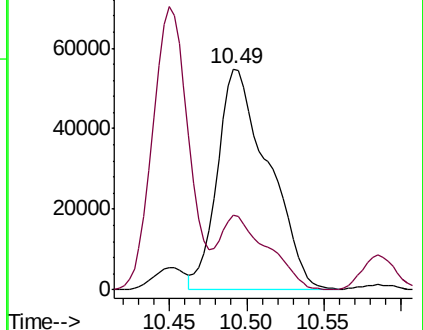
75 100

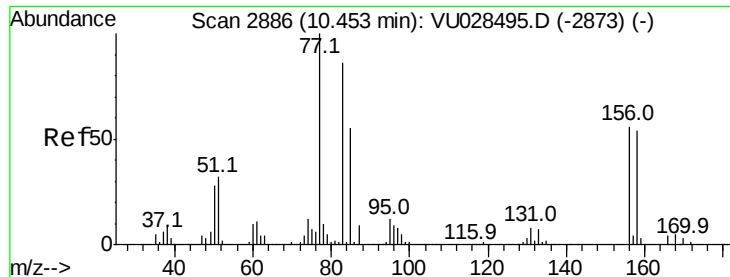
77 30.7 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.441 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

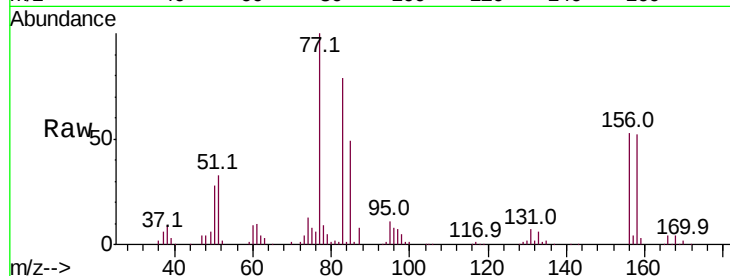
Tot Ion:156 Resp: 60167

Ion Ratio Lower Upper

156 100

77 188.2 92.4 277.2

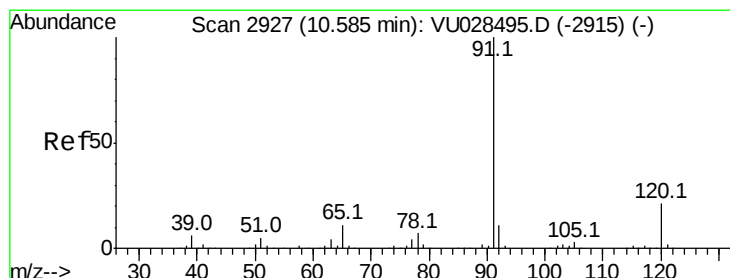
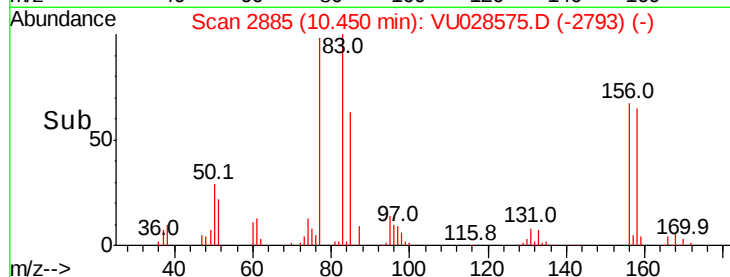
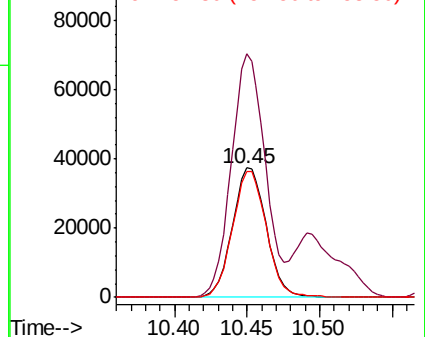
158 97.7 48.4 145.3



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: 49.119 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028575.D

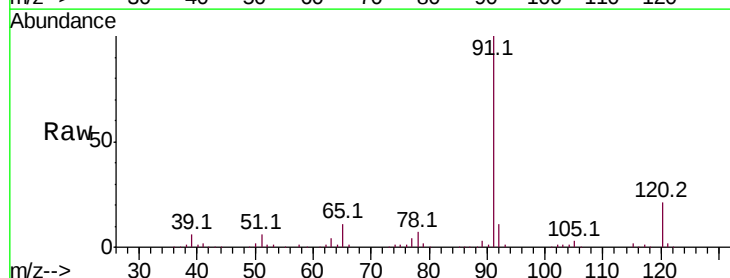
Acq: 11 Dec 2018 01:14

Tgt Ion: 91 Resp: 317589

Ion Ratio Lower Upper

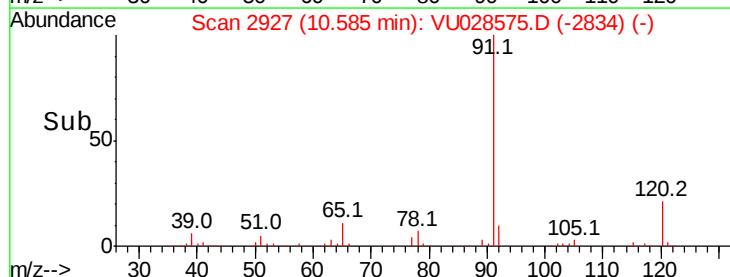
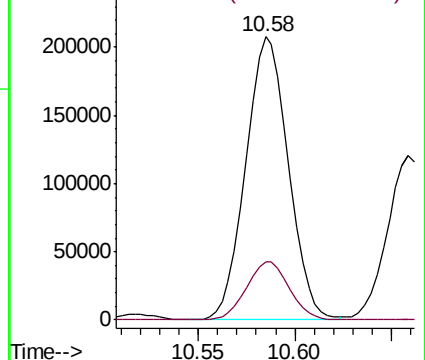
91 100

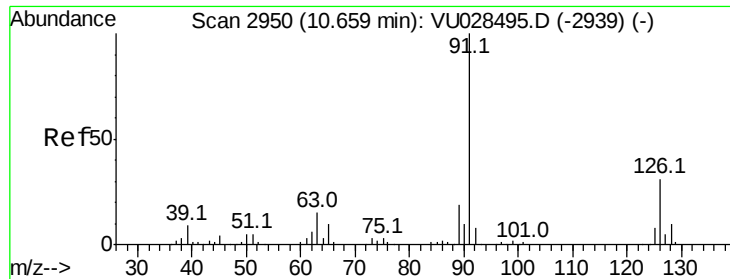
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

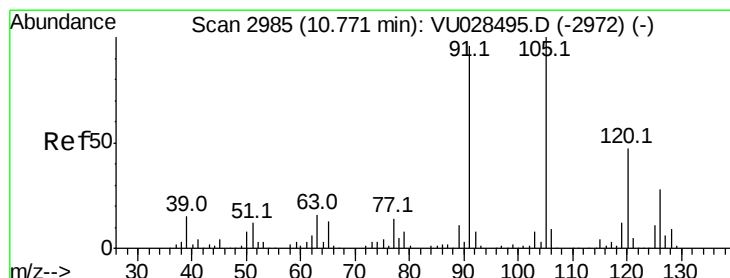
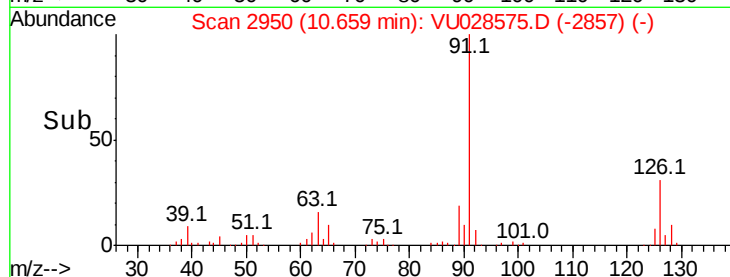
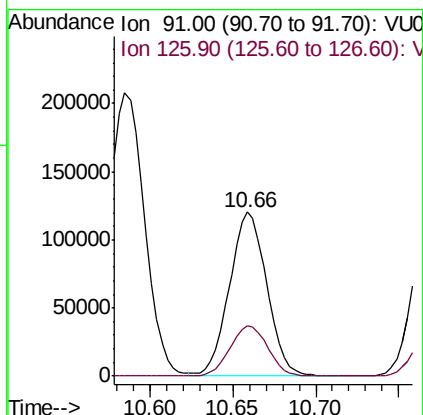
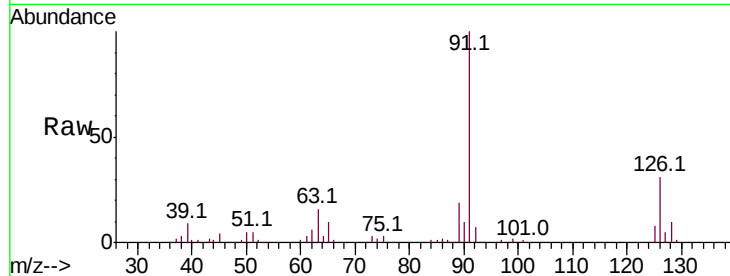




#79
 2-Chlorotoluene
 Concen: 50.450 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

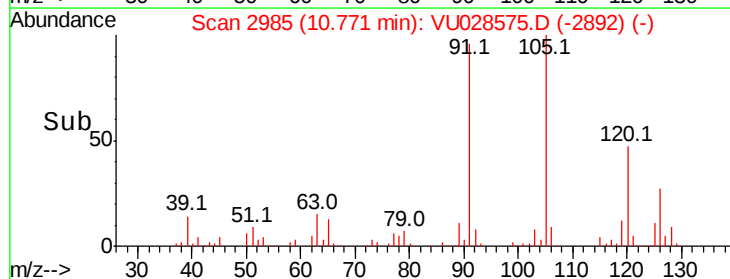
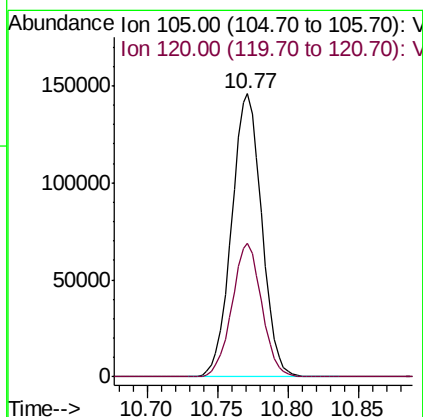
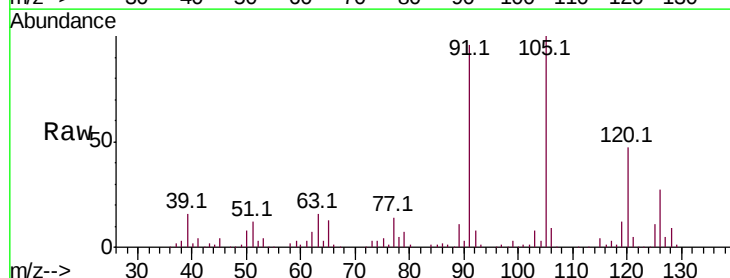
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

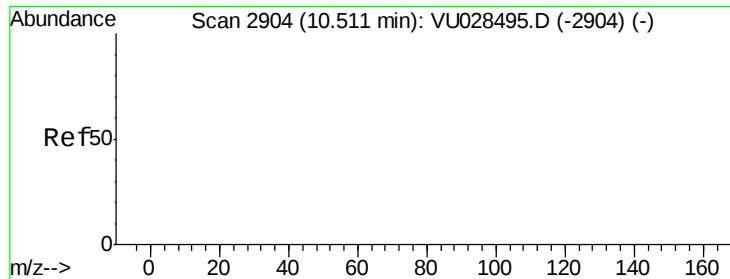
Tot Ion: 91 Resp: 187894
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.600 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion:105 Resp: 217944
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1

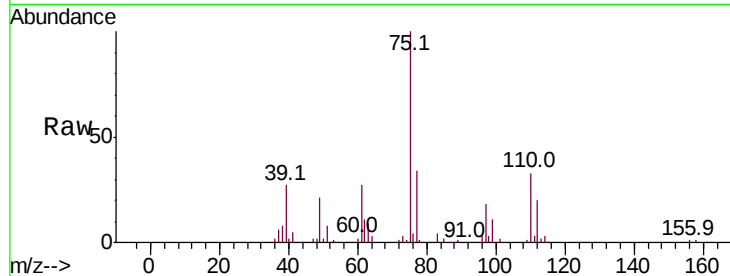




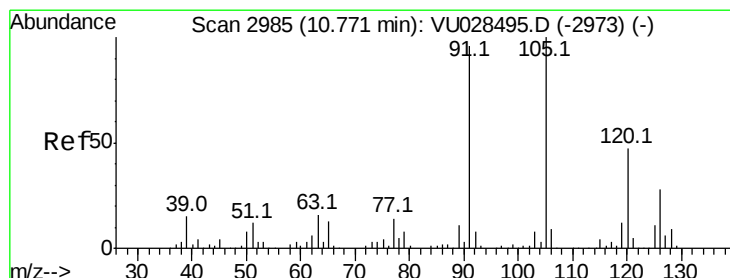
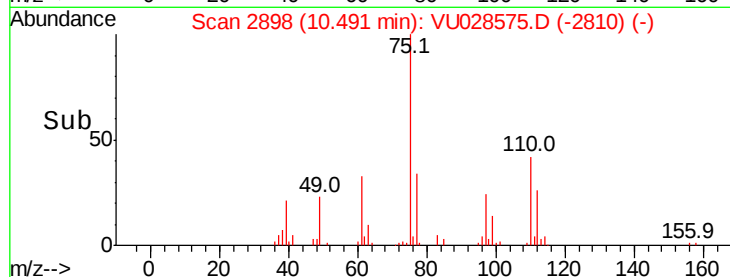
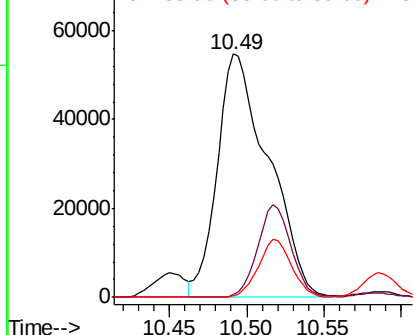
#81
trans-1,4-Dichloro-2-butene
Concen: 177.568 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 126007
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

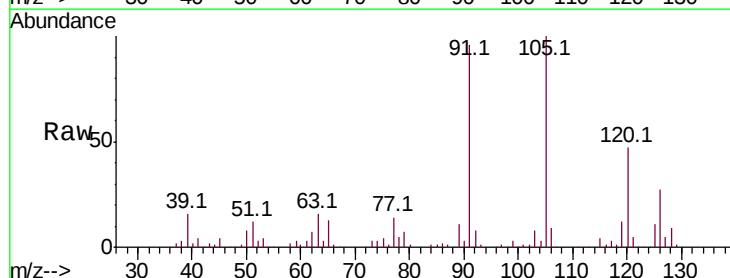


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

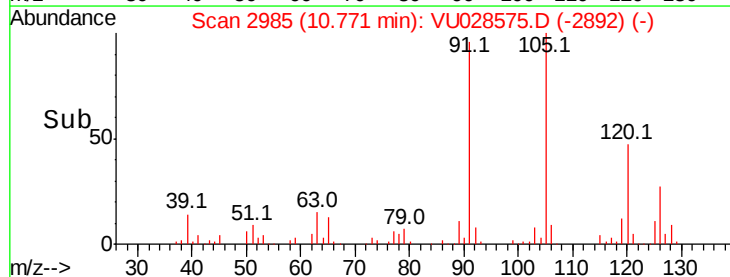
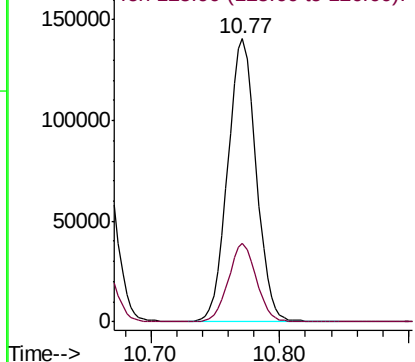


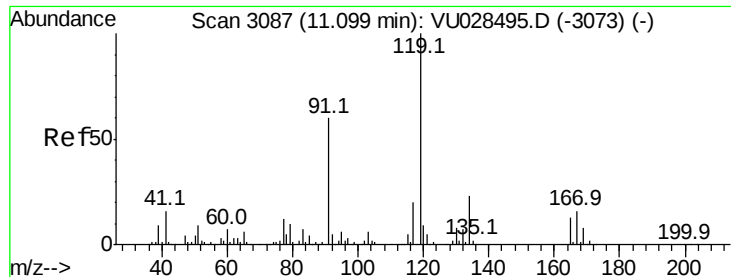
#82
4-Chlorotoluene
Concen: 48.621 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 91 Resp: 214588
Ion Ratio Lower Upper
91 100
126 27.5 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

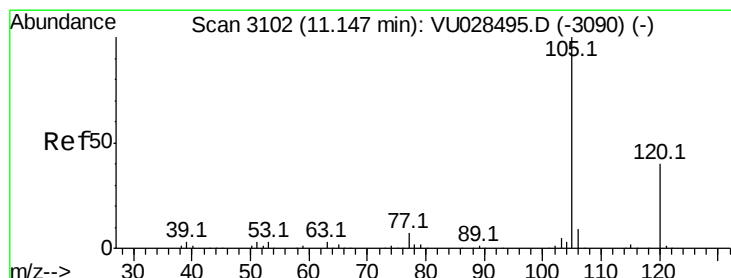
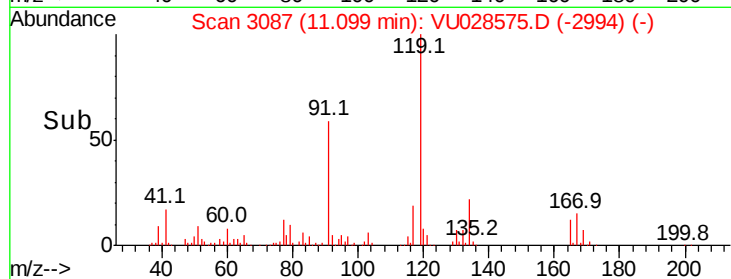
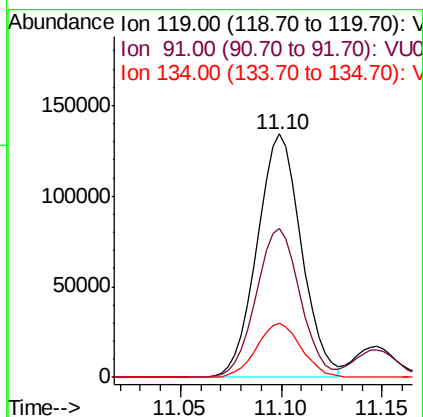
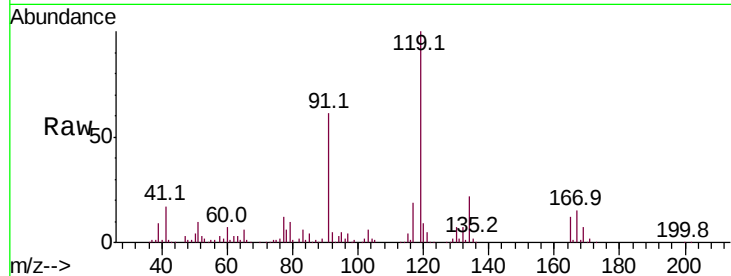




#83
tert-Butylbenzene
Concen: 49.541 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

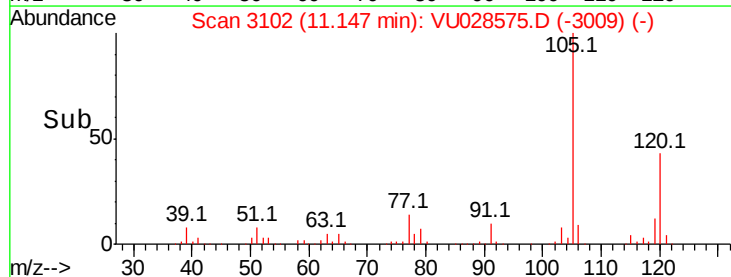
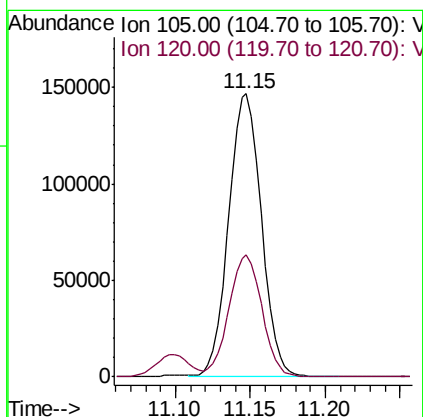
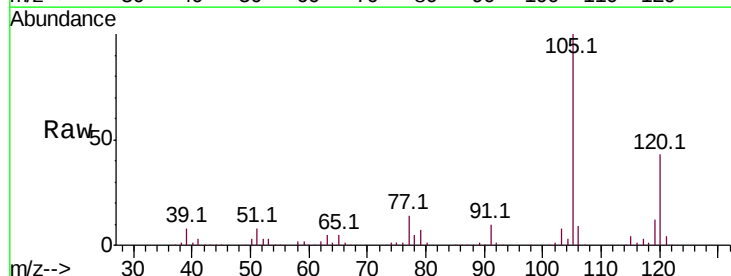
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

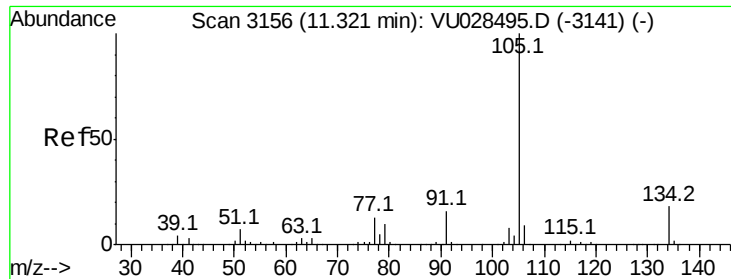
Tot Ion:119 Resp: 205672
Ion Ratio Lower Upper
119 100
91 61.4 30.3 91.0
134 22.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.501 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:105 Resp: 224171
Ion Ratio Lower Upper
105 100
120 43.5 21.8 65.4

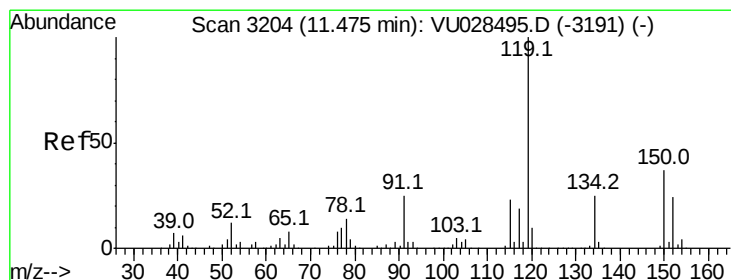
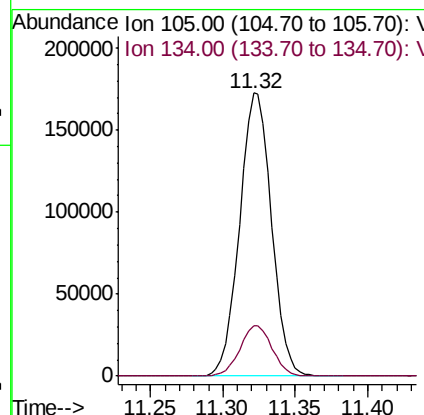
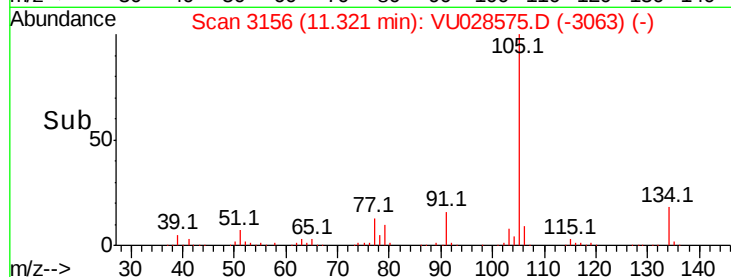
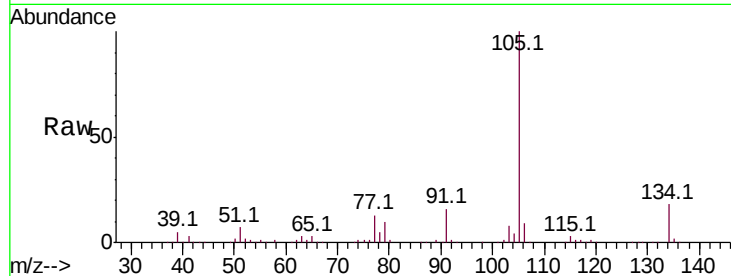




#85
 sec-Butylbenzene
 Concen: 49.260 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

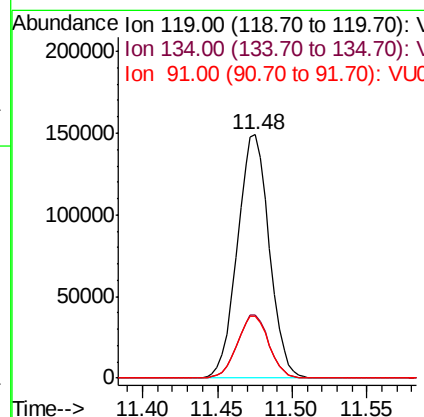
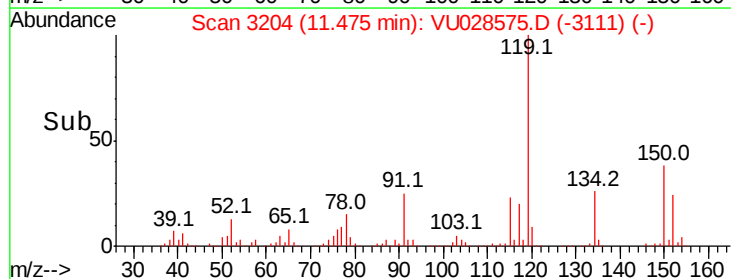
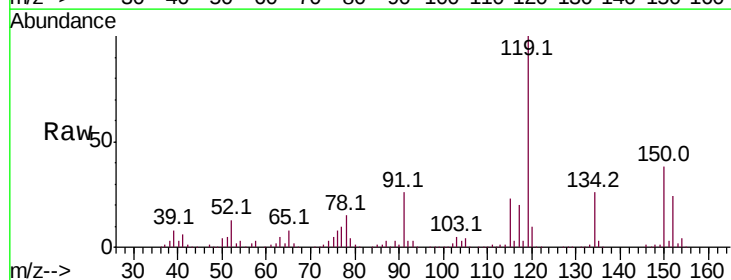
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

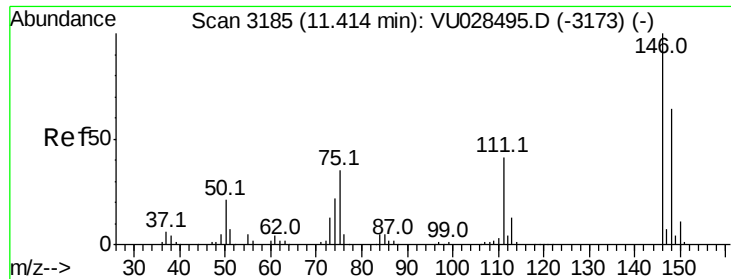
Tot Ion:105 Resp: 262722
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 48.754 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion:119 Resp: 220880
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 25.5 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 47.990 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

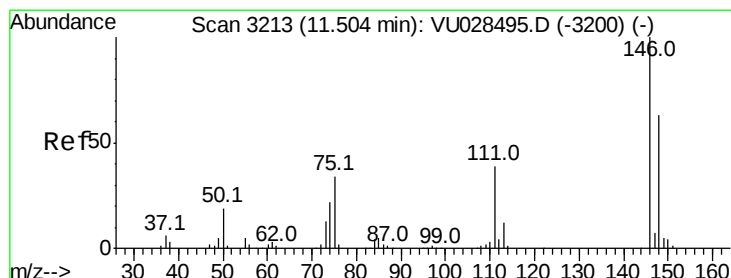
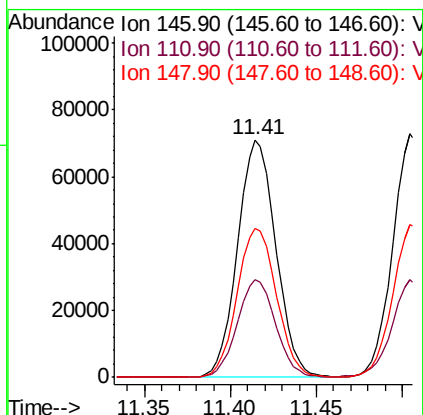
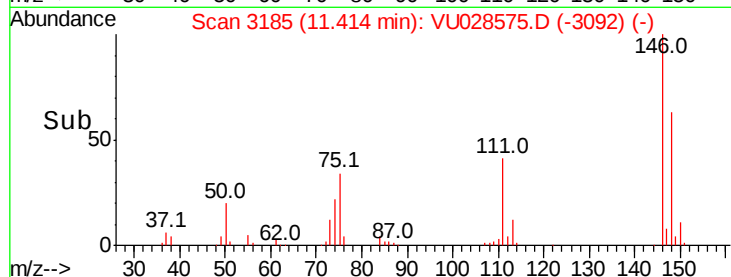
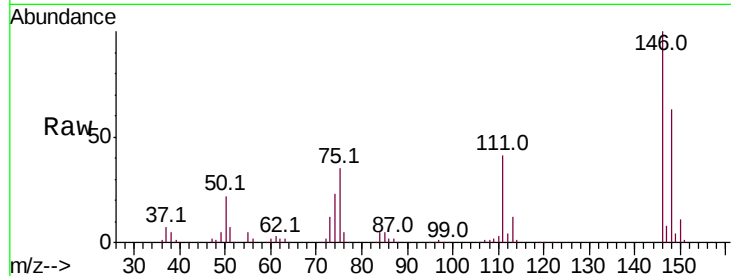
Tot Ion:146 Resp: 110275

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	64.6	31.9	95.7

146 100

111 41.2 20.7 62.1

148 64.6 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 47.370 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

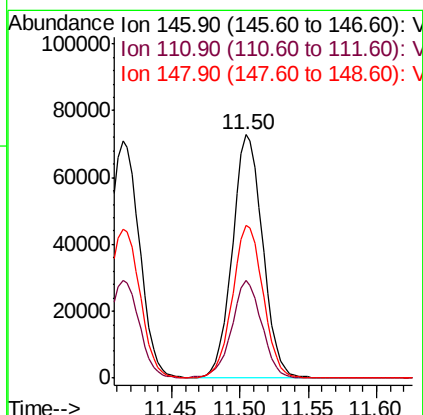
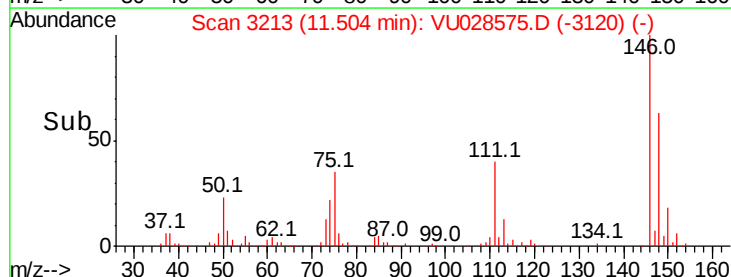
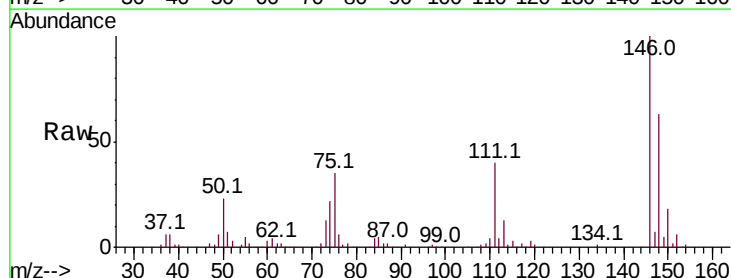
Tgt Ion:146 Resp: 112620

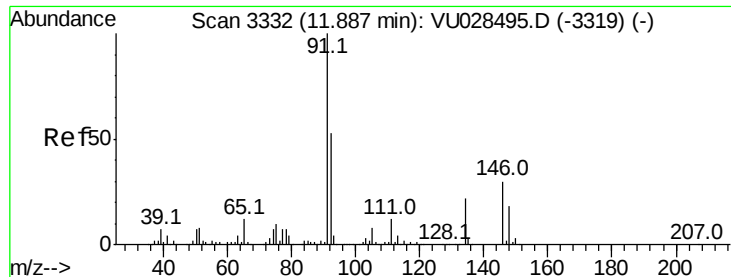
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.4	31.6	95.0

146 100

111 39.9 20.2 60.5

148 63.4 31.6 95.0

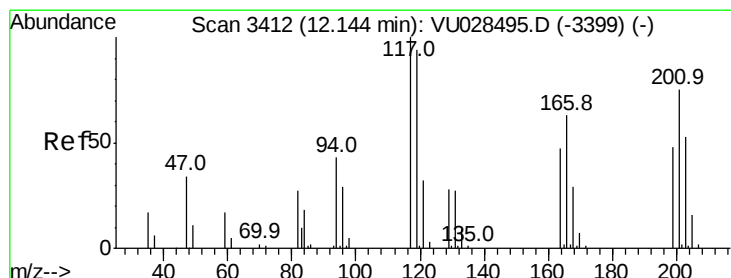
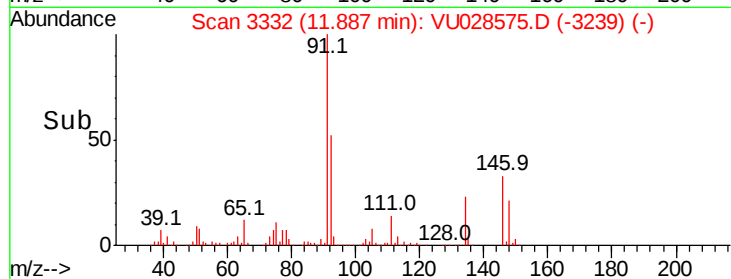
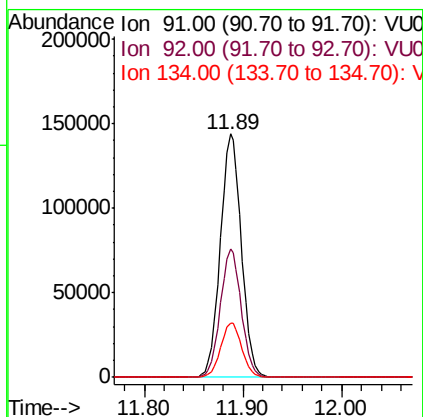
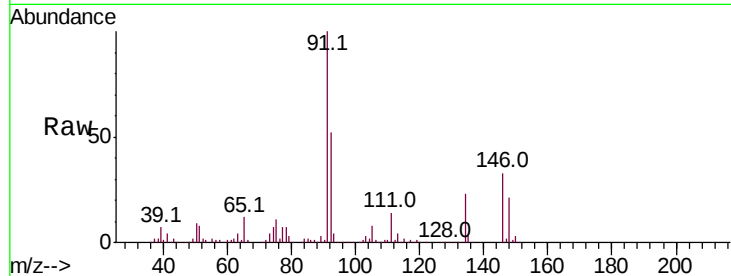




#89
n-Butylbenzene
Concen: 47.113 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

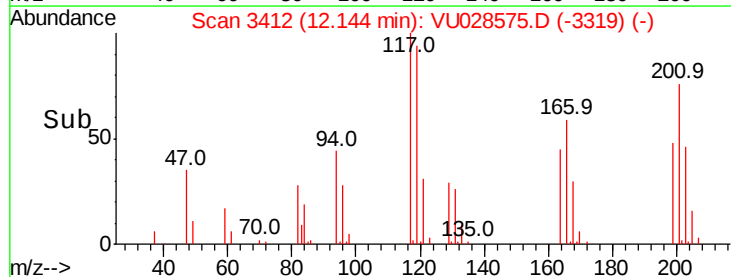
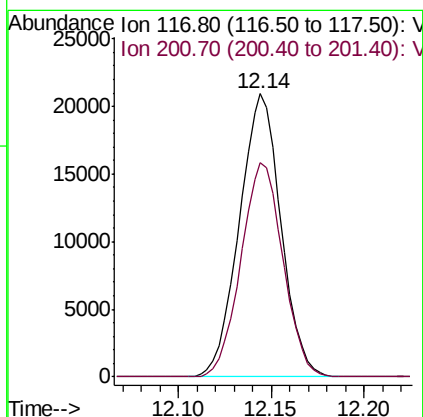
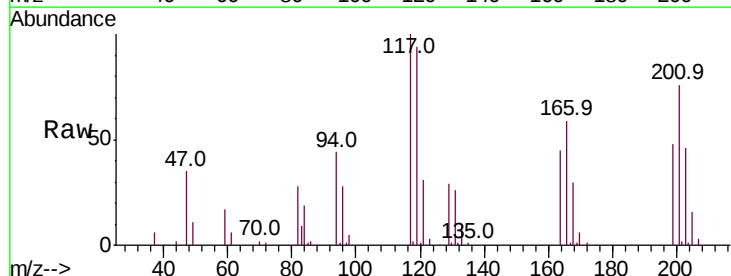
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

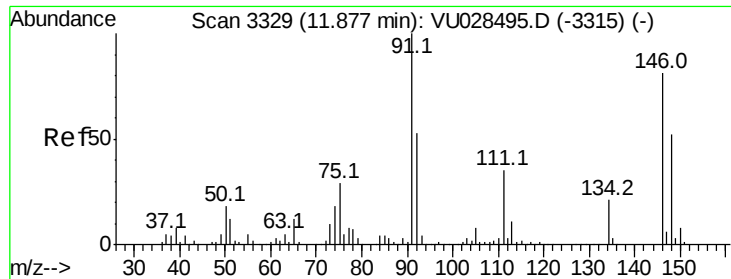
Tot Ion: 91 Resp: 216018
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 22.4 11.3 33.8



#90
Hexachloroethane
Concen: 47.700 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 117 Resp: 32664
Ion Ratio Lower Upper
117 100
201 76.3 38.1 114.5

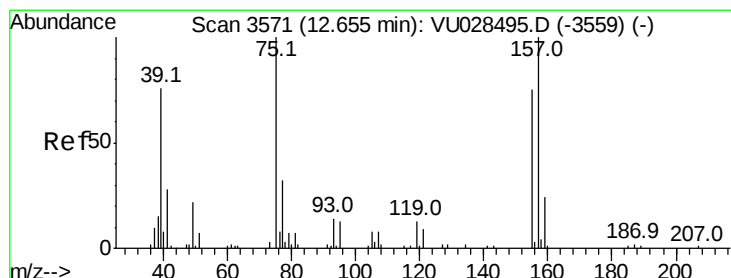
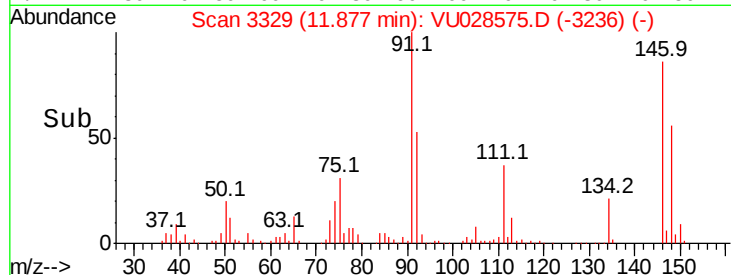
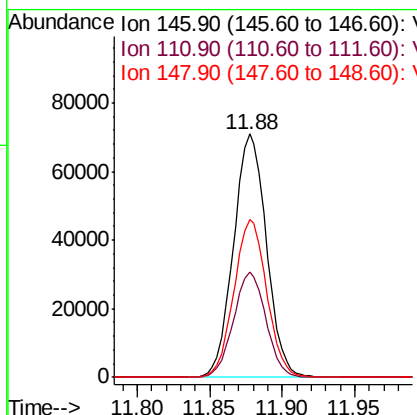
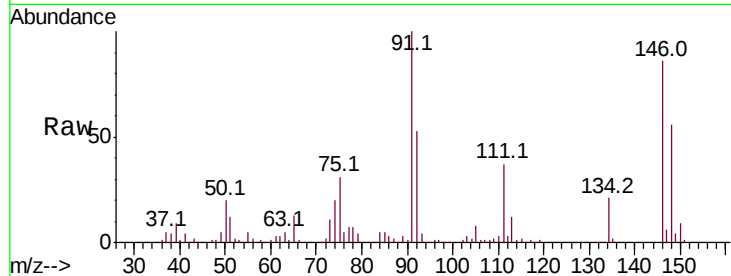




#91
 1,2-Dichlorobenzene
 Concen: 48.540 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

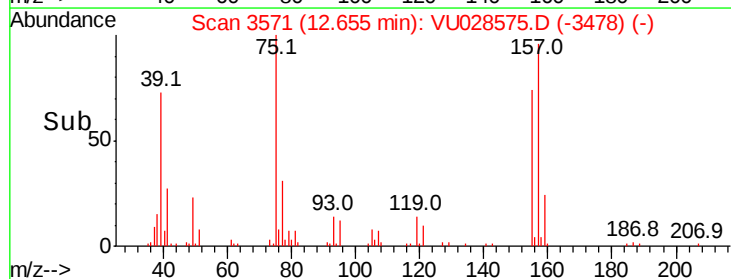
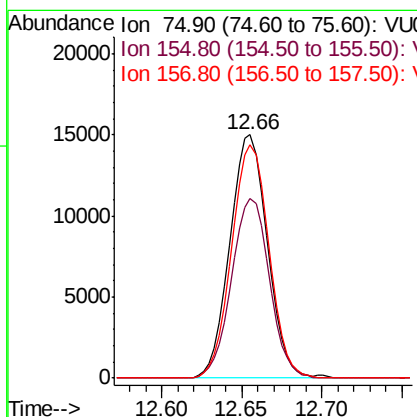
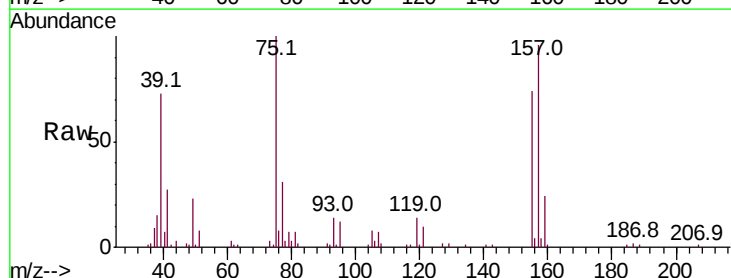
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

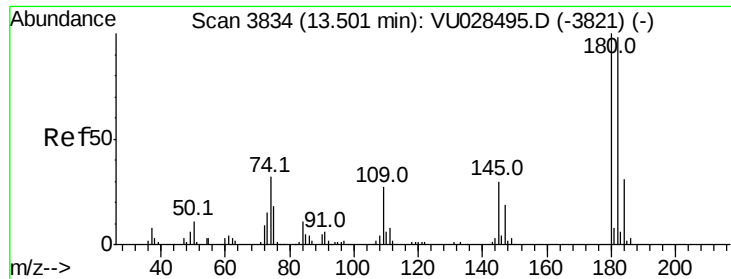
Tot Ion:146 Resp: 111572
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.4
 148 64.8 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.557 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 75 Resp: 24042
 Ion Ratio Lower Upper
 75 100
 155 74.3 38.1 114.5
 157 95.1 48.7 146.1

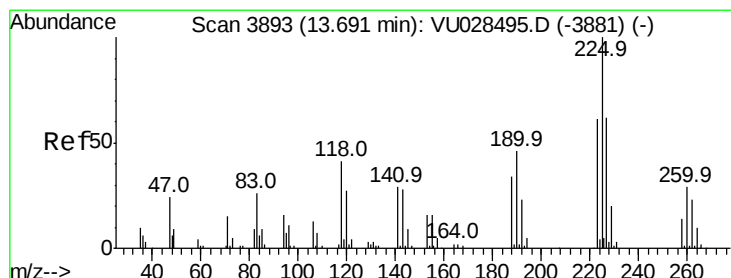
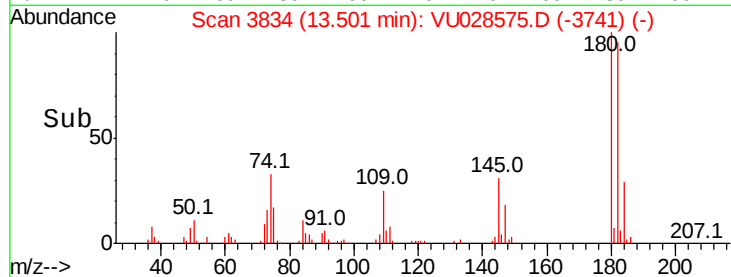
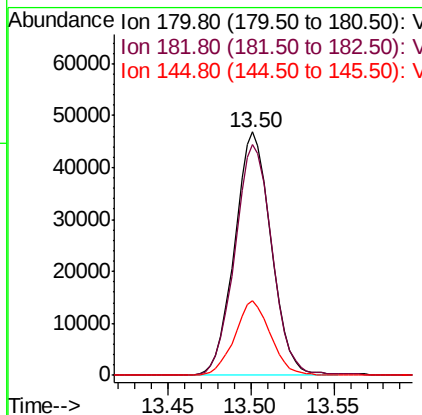
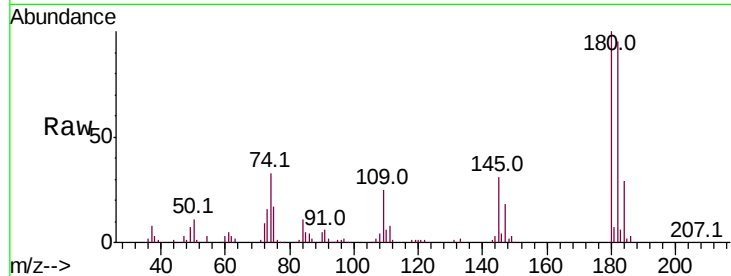




#93
 1,2,4-Trichlorobenzene
 Concen: 45.521 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

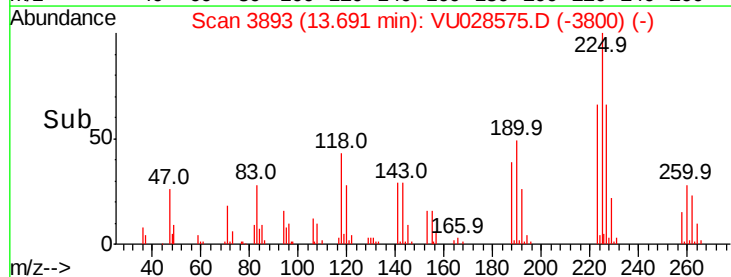
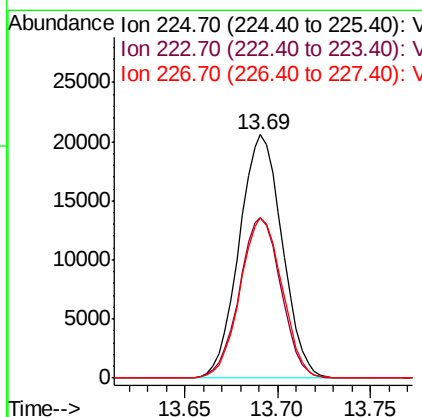
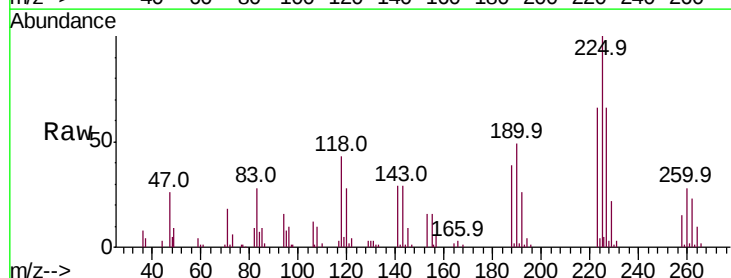
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

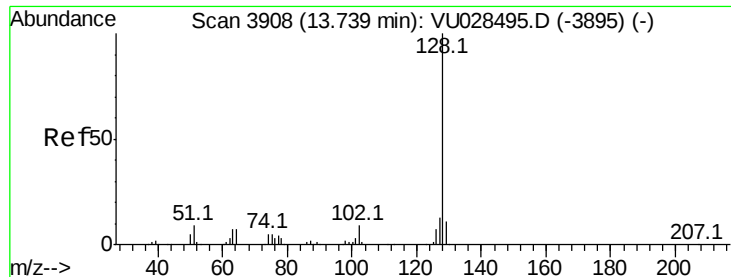
Tot Ion:180 Resp: 71777
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.8
 145 30.0 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 43.937 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion:225 Resp: 33081
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.4 91.2
 227 64.3 30.7 92.1

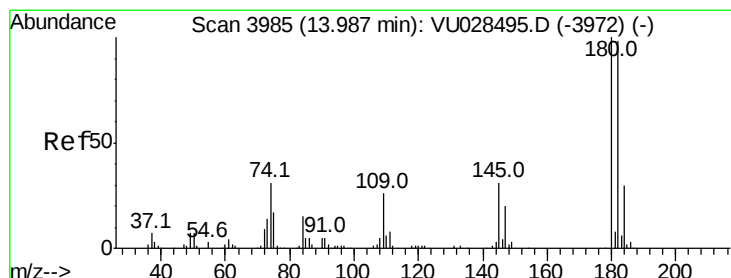
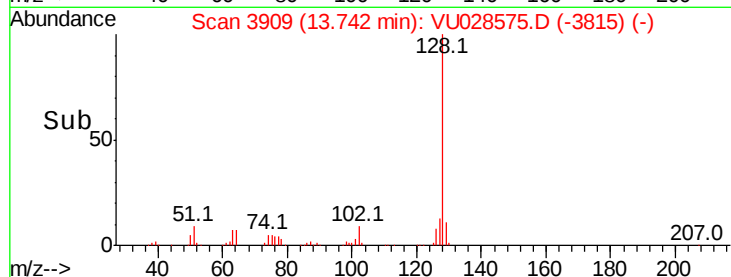
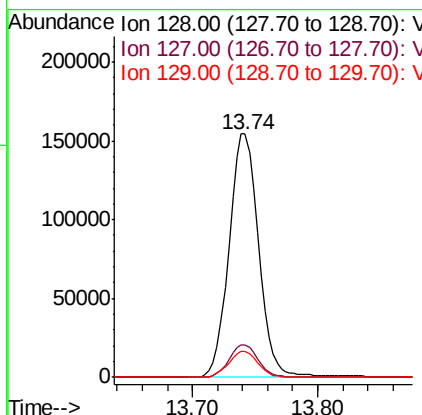
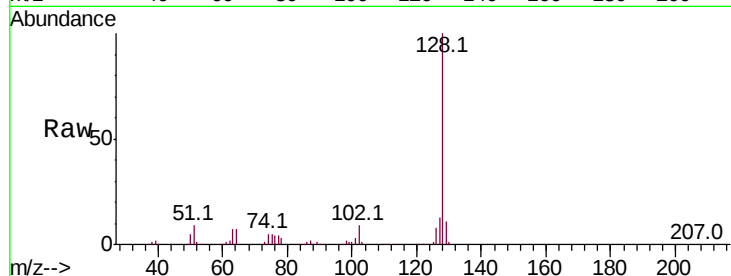




#95
Naphthalene
Concen: 45.838 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 252827
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.820 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:180 Resp: 73585
Ion Ratio Lower Upper
180 100
182 93.3 48.2 144.6
145 31.6 15.8 47.3

