

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071218\
 Data File : VU025357.D
 Acq On : 12 Jul 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 13 01:15:20 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	159914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	121730	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	4.89	113	101011	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	7.57	98	326973	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	10.31	95	138834	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	72065	43.54	ug/l	100
3) Chloromethane	1.33	50	74164	45.03	ug/l	99
4) Vinyl Chloride	1.40	62	81608	44.87	ug/l	97
5) Bromomethane	1.62	94	48134	52.07	ug/l	100
6) Chloroethane	1.69	64	54742	47.35	ug/l	95
7) Trichlorofluoromethane	1.89	101	136289	47.68	ug/l	99
8) Diethyl Ether	2.10	74	53377	49.77	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85518	48.28	ug/l	99
10) Methyl Iodide	2.41	142	99568	50.19	ug/l	99
11) Tert butyl alcohol	2.83	59	147092	271.39	ug/l	100
12) 1,1-Dichloroethene	2.28	96	76806	47.38	ug/l	95
13) Acrolein	2.19	56	43367	120.95	ug/l	96
14) Allyl chloride	2.59	41	134825	45.86	ug/l	99
15) Acrylonitrile	2.94	53	290867	261.03	ug/l	100
16) Acetone	2.32	43	276989	219.10	ug/l	99
17) Carbon Disulfide	2.48	76	182558	38.98	ug/l	99
18) Methyl Acetate	2.62	43	152997	60.15	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	319302	51.79	ug/l	100
20) Methylene Chloride	2.70	84	93382	48.60	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	83924	45.31	ug/l	97
22) Diisopropyl ether	3.57	45	306105	50.99	ug/l	99
23) Vinyl Acetate	3.53	43	1356394	257.55	ug/l	100
24) 1,1-Dichloroethane	3.45	63	172950	51.08	ug/l	99
25) 2-Butanone	4.26	43	431376	250.50	ug/l	99
26) 2,2-Dichloropropane	4.23	77	133329	40.95	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	104357	48.69	ug/l	100
28) Bromochloromethane	4.55	49	83638	51.16	ug/l	100
29) Tetrahydrofuran	4.63	42	269289	260.71	ug/l	99
30) Chloroform	4.68	83	186197	51.93	ug/l	97
31) Cyclohexane	5.00	56	147664	47.10	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	163980	50.46	ug/l	99
36) 1,1-Dichloropropene	5.14	75	126278	46.86	ug/l	98
37) Ethyl Acetate	4.38	43	154676	51.47	ug/l	100
38) Carbon Tetrachloride	5.14	117	144245	49.73	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	148806	44.27	ug/l	96
40) Benzene	5.39	78	370705	47.74	ug/l	99
41) Methacrylonitrile	4.54	41	87127	52.29	ug/l	98
42) 1,2-Dichloroethane	5.41	62	156202	50.60	ug/l	100
43) Isopropyl Acetate	5.55	43	248605	51.66	ug/l	100
44) Trichloroethene	6.19	130	104602	46.91	ug/l	100
45) 1,2-Dichloropropane	6.44	63	101910	50.10	ug/l	99
46) Dibromomethane	6.56	93	72914	49.26	ug/l	97
47) Bromodichloromethane	6.76	83	141086	51.31	ug/l	99
48) Methyl methacrylate	6.62	41	127365	53.09	ug/l	99
49) 1,4-Dioxane	6.62	88	62224	1077.87	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	823221	263.19	ug/l	100
52) Toluene	7.64	92	241687	48.92	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	149864	49.61	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	157572	49.01	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	104632	50.85	ug/l	99
56) Ethyl methacrylate	8.02	69	163927	51.01	ug/l	99
57) 1,3-Dichloropropane	8.25	76	174949	51.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	306516	213.88	ug/l	99
59) 2-Hexanone	8.36	43	654060	257.79	ug/l	99
60) Dibromochloromethane	8.48	129	114489	51.52	ug/l	98
61) 1,2-Dibromoethane	8.59	107	115046	52.25	ug/l	98
64) Tetrachloroethene	8.23	164	95844	45.45	ug/l	99
65) Chlorobenzene	9.12	112	281222	48.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108812	52.64	ug/l	99
67) Ethyl Benzene	9.25	91	480863	48.81	ug/l	100
68) m/p-Xylenes	9.38	106	375830	98.67	ug/l	100
69) o-Xylene	9.78	106	186528	48.91	ug/l	95
70) Styrene	9.80	104	308559	50.94	ug/l	99
71) Bromoform	9.96	173	90032	45.50	ug/l #	97
73) Isopropylbenzene	10.17	105	507496	46.66	ug/l	100
74) N-amyl acetate	10.01	43	226943	50.96	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	178565	50.19	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	205264	69.47	ug/l	86
77) Bromobenzene	10.45	156	132602	47.66	ug/l	98
78) n-propylbenzene	10.59	91	574893	47.64	ug/l	100
79) 2-Chlorotoluene	10.66	91	354073	51.09	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	439293	48.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	205264	181.01	ug/l #	100
82) 4-Chlorotoluene	10.78	91	397371	46.50	ug/l	99
83) tert-Butylbenzene	11.10	119	447738	48.42	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	442925	47.23	ug/l	98
85) sec-Butylbenzene	11.33	105	522919	48.03	ug/l	100
86) p-Isopropyltoluene	11.48	119	463868	48.11	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	238633	46.93	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	241080	48.58	ug/l	98
89) n-Butylbenzene	11.89	91	376279	47.48	ug/l	99
90) Hexachloroethane	12.15	117	77754	47.63	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	251484	48.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45837	53.12	ug/l	100

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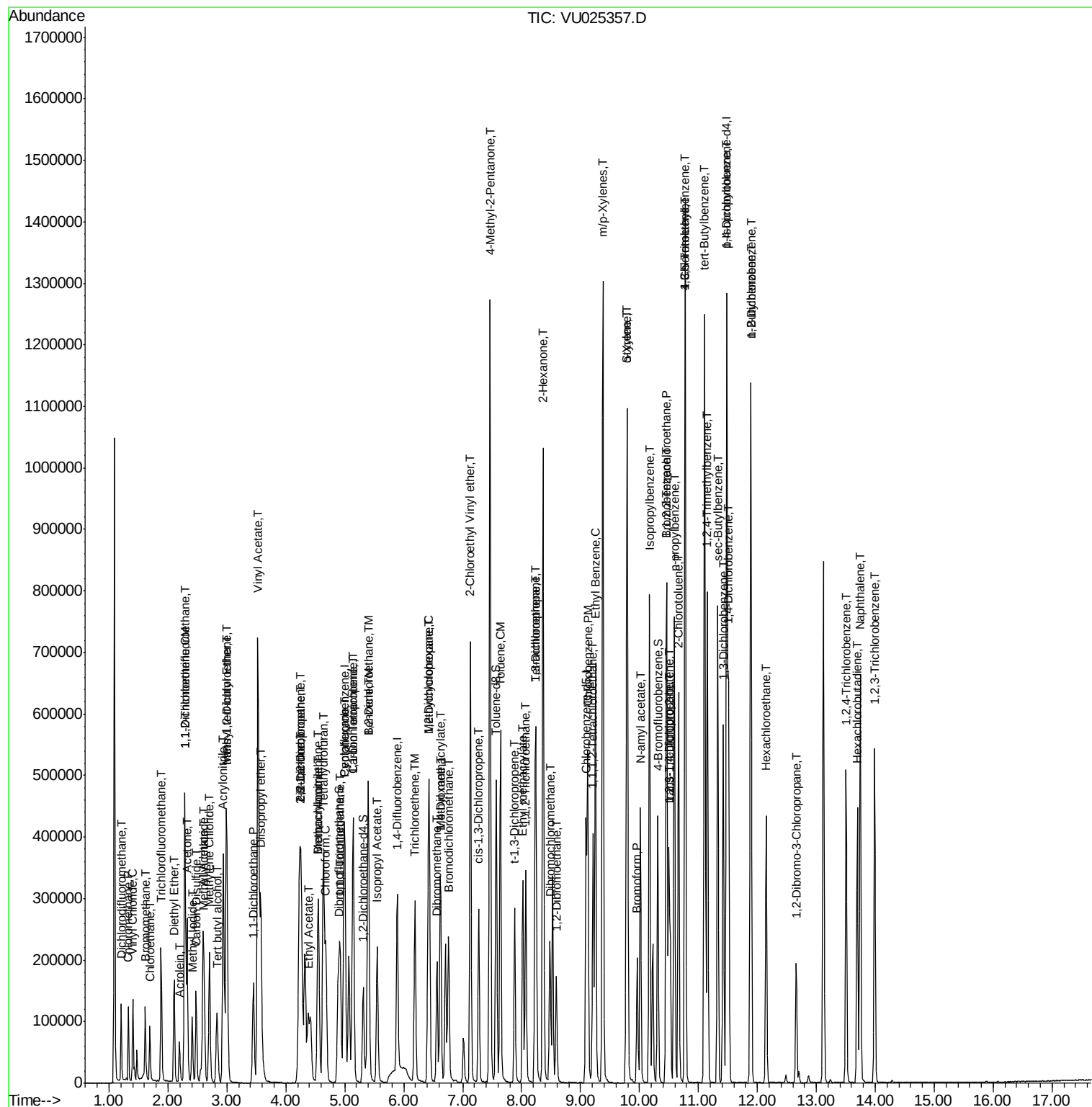
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	156964	45.93	ug/l	99
94) Hexachlorobutadiene	13.70	225	84407	45.96	ug/l	98
95) Naphthalene	13.74	128	520545	49.82	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	166671	47.85	ug/l	100

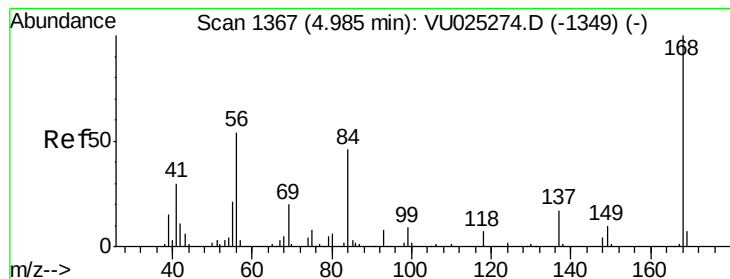
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

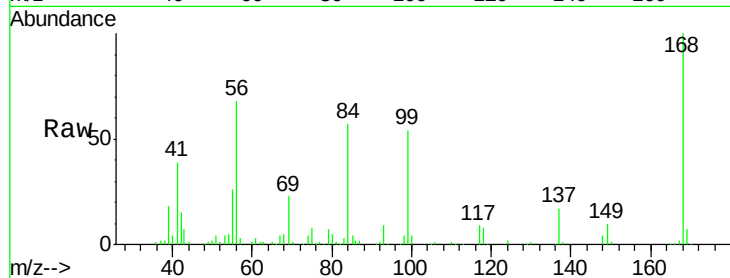
VSTDCCC050EC

Tot Ion:168 Resp: 159914

Ion Ratio Lower Upper

168 100

99 54.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

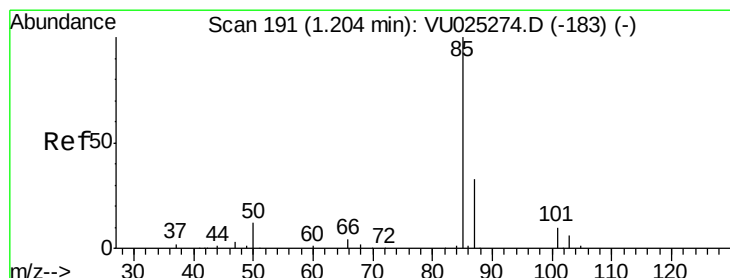
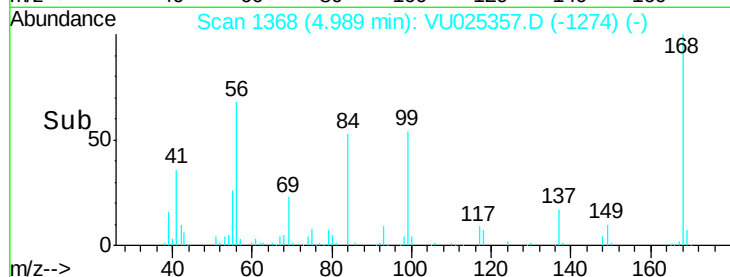
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.54 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025357.D

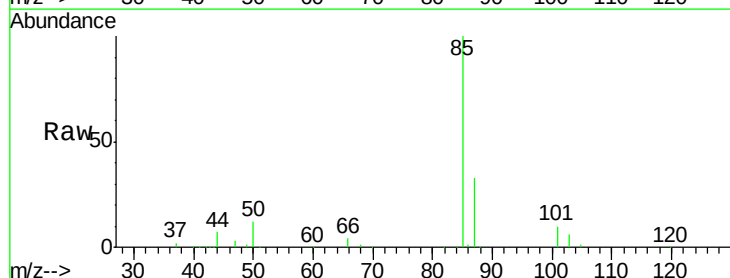
Acq: 12 Jul 2018 22:23

Tgt Ion: 85 Resp: 72065

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

80000

60000

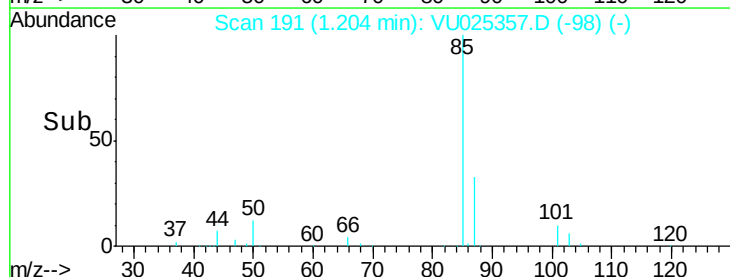
40000

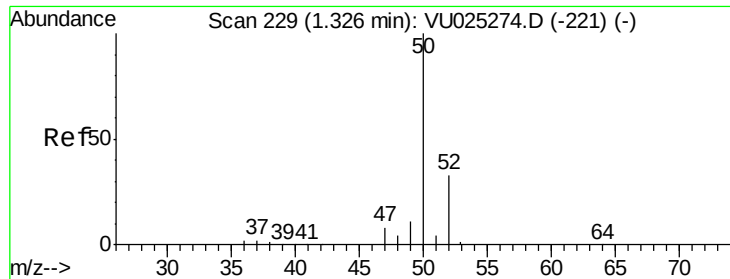
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.03 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

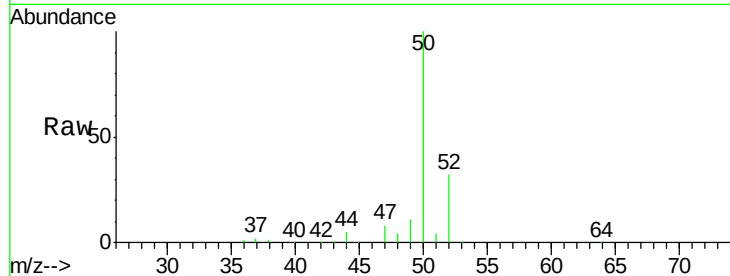
VSTDCCC050EC

Tot Ion: 50 Resp: 74164

Ion Ratio Lower Upper

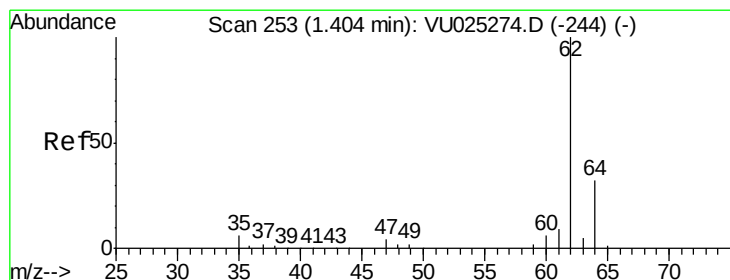
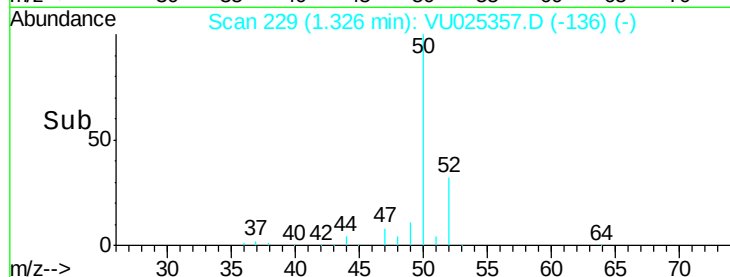
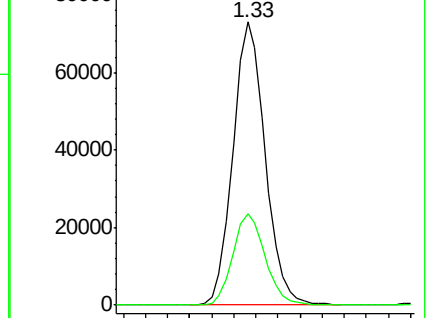
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.87 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025357.D

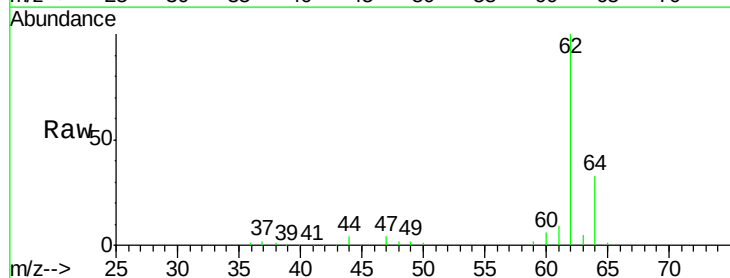
Acq: 12 Jul 2018 22:23

Tgt Ion: 62 Resp: 81608

Ion Ratio Lower Upper

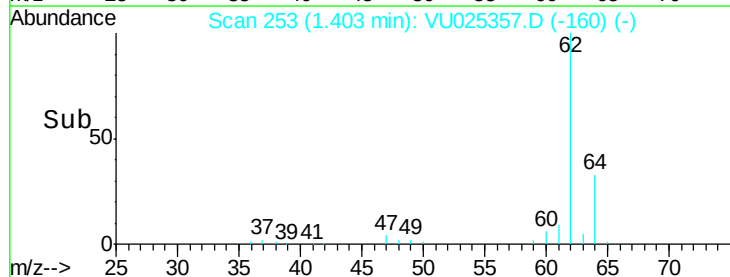
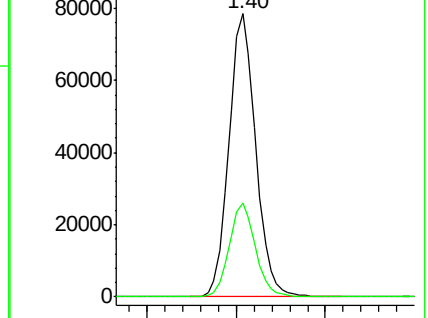
62 100

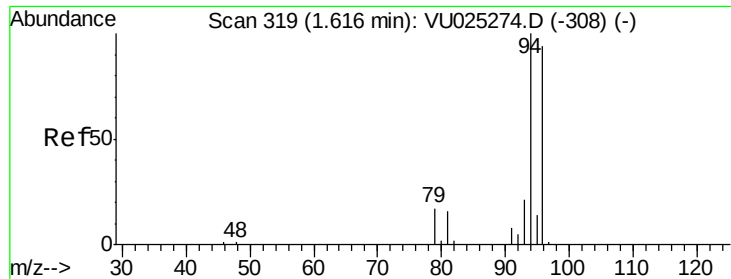
64 33.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.07 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

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ClientSampleId :

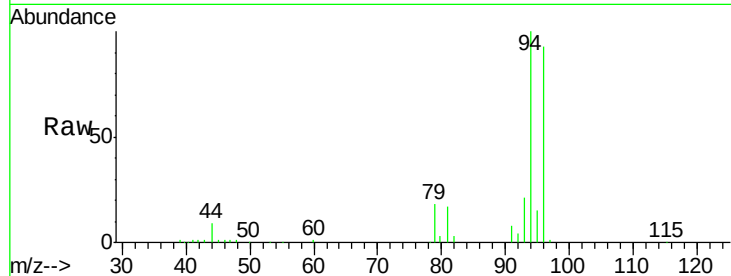
VSTDCCC050EC

Tot Ion: 94 Resp: 48134

Ion Ratio Lower Upper

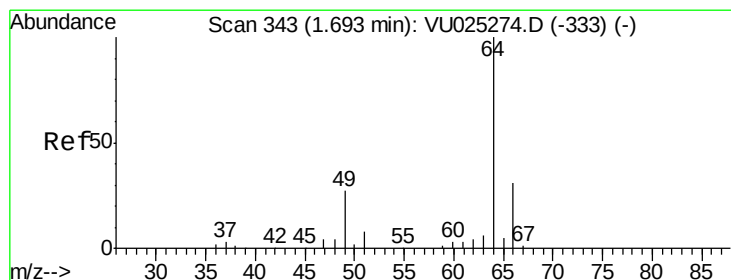
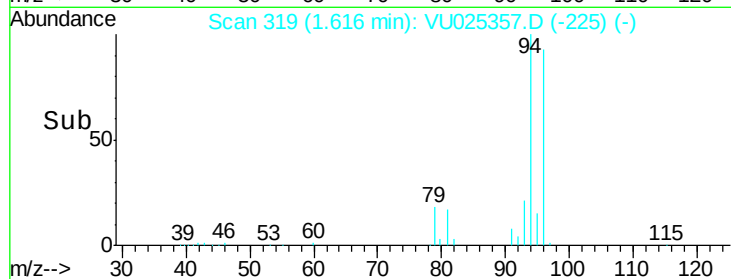
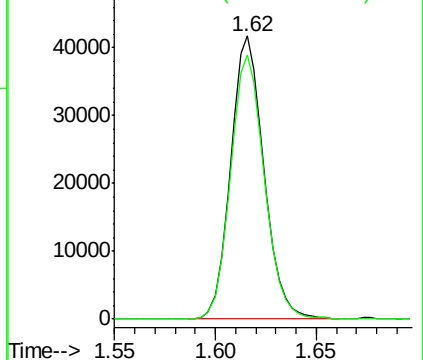
94 100

96 93.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.35 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025357.D

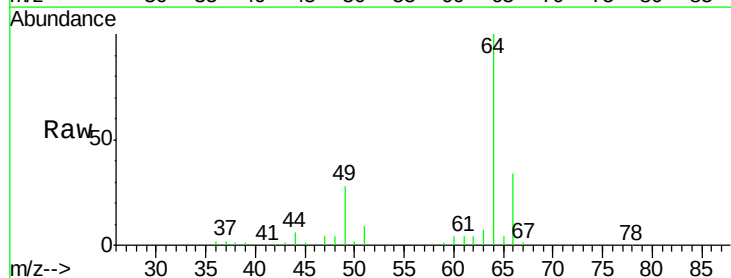
Acq: 12 Jul 2018 22:23

Tgt Ion: 64 Resp: 54742

Ion Ratio Lower Upper

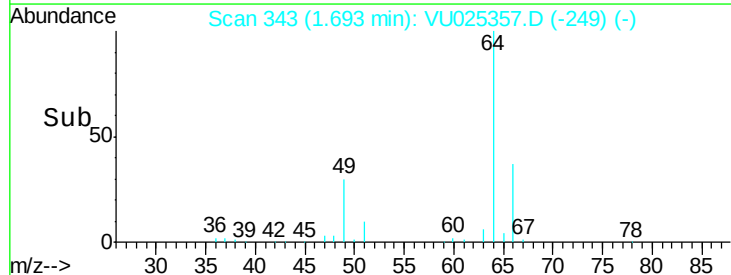
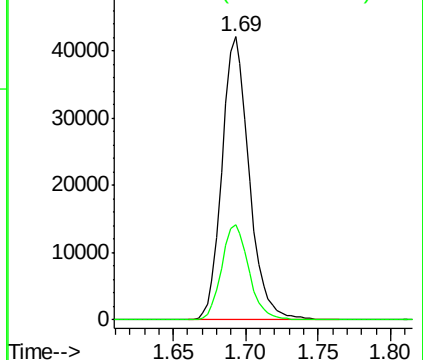
64 100

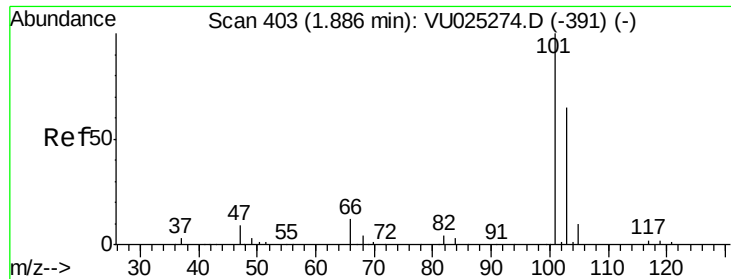
66 33.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 47.68 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

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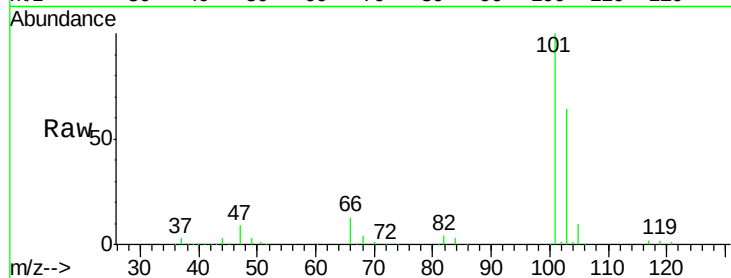
VSTDCCC050EC

Tot Ion:101 Resp: 136289

Ion Ratio Lower Upper

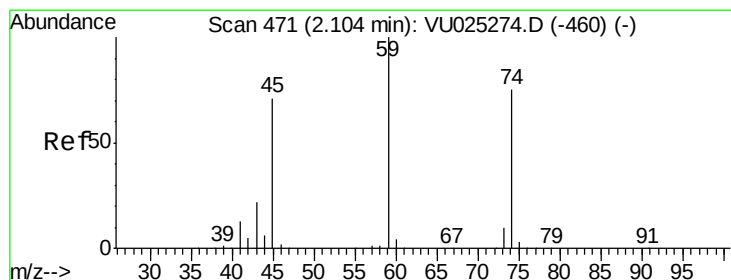
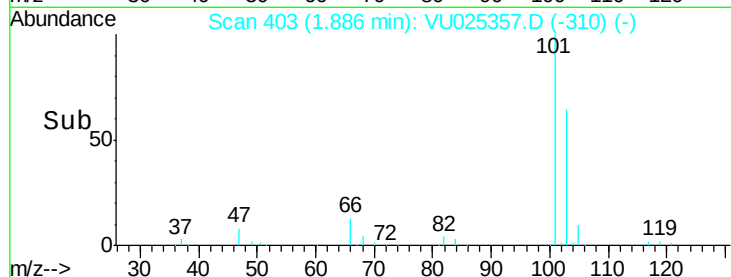
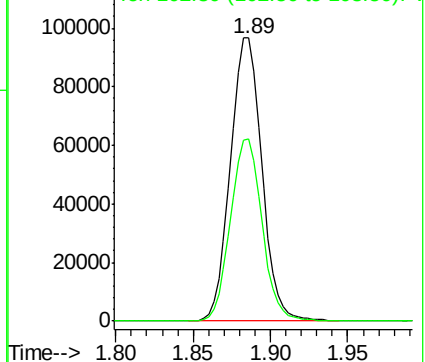
101 100

103 64.5 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.77 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025357.D

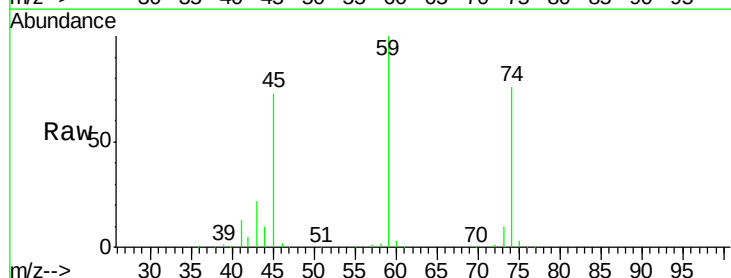
Acq: 12 Jul 2018 22:23

Tgt Ion: 74 Resp: 53377

Ion Ratio Lower Upper

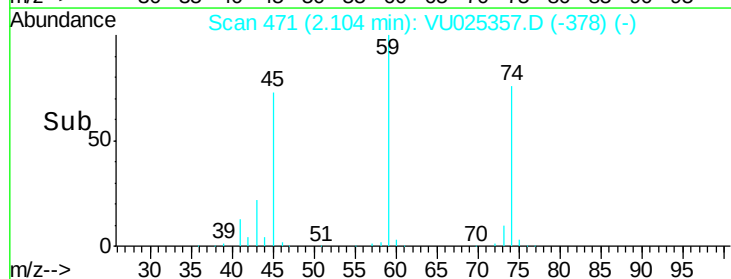
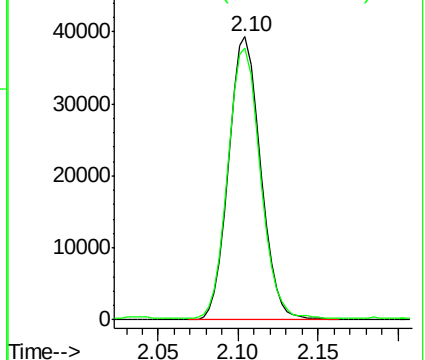
74 100

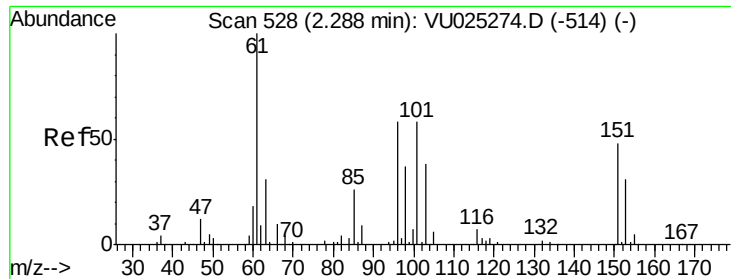
45 97.3 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.28 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

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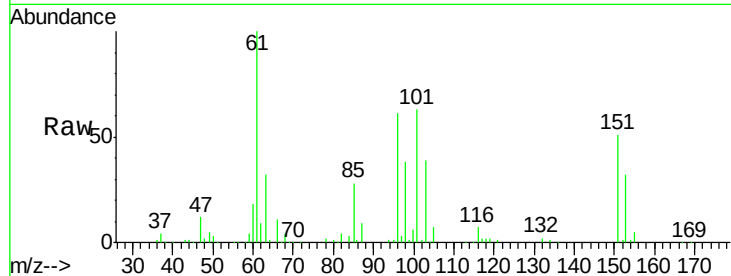
Tot Ion:101 Resp: 85518

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

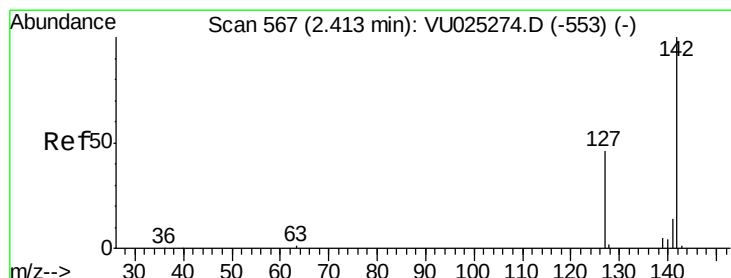
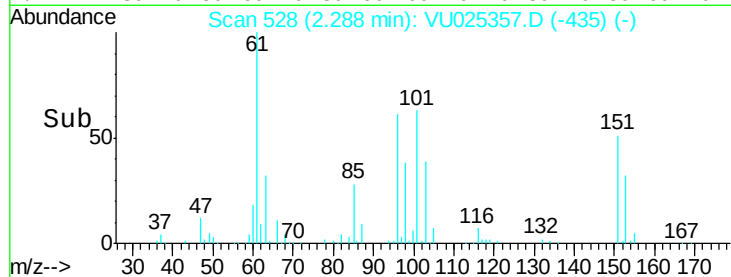
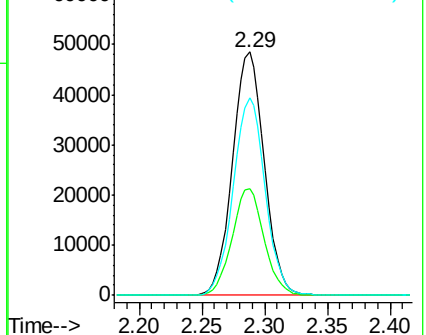
151 81.5 65.6 98.4



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: 50.19 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

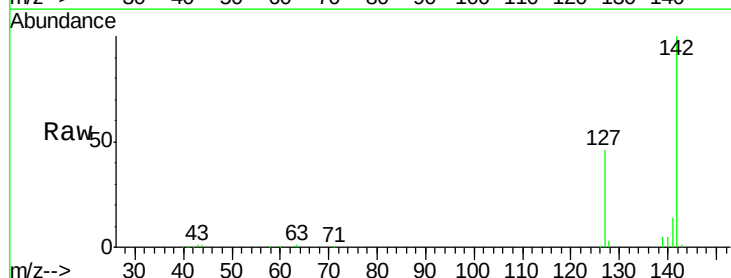
Tgt Ion:142 Resp: 99568

Ion Ratio Lower Upper

142 100

127 46.3 36.5 54.7

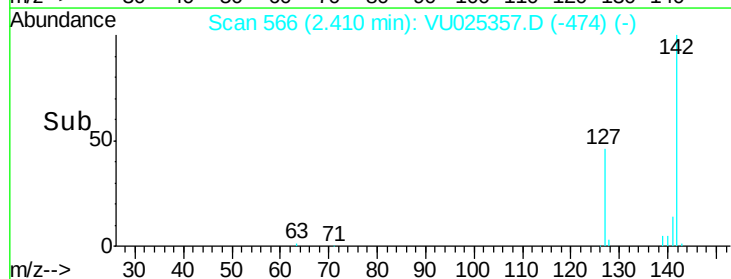
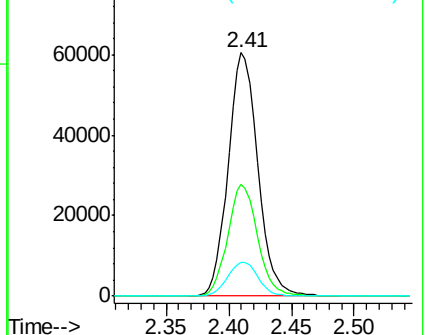
141 14.4 11.4 17.2

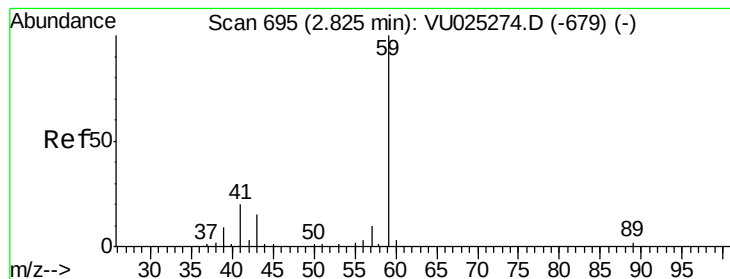


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



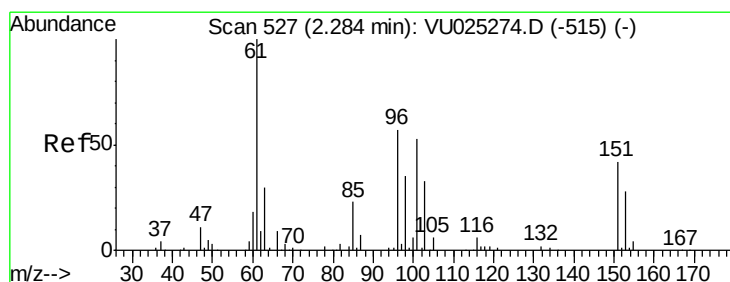
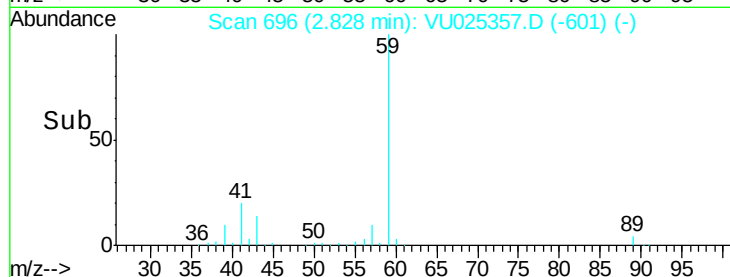
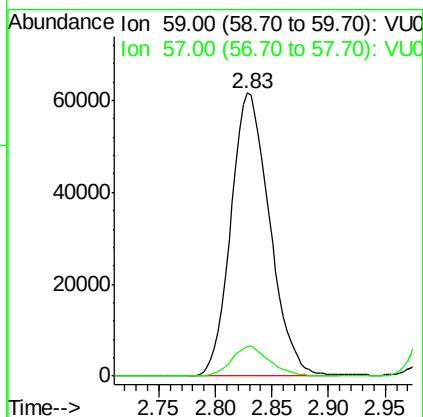
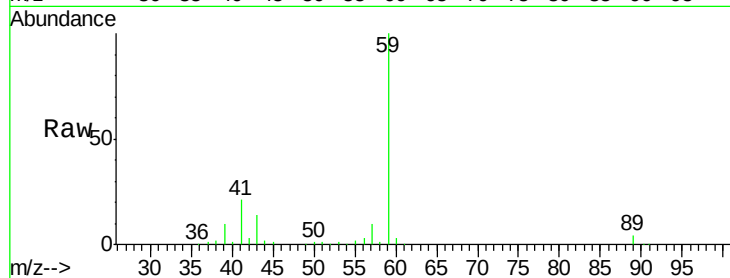


#11

Tert butyl alcohol
 Concen: 271.39 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

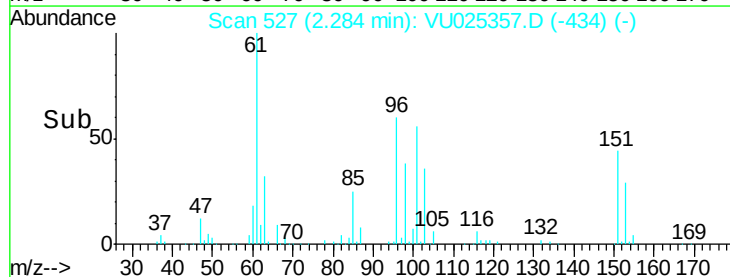
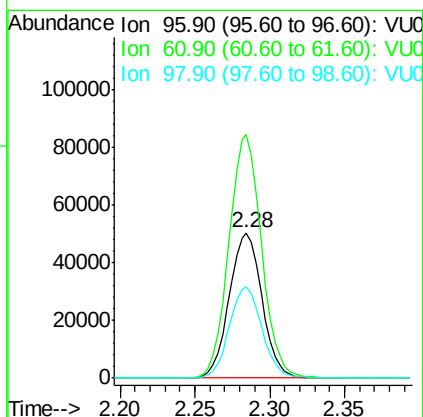
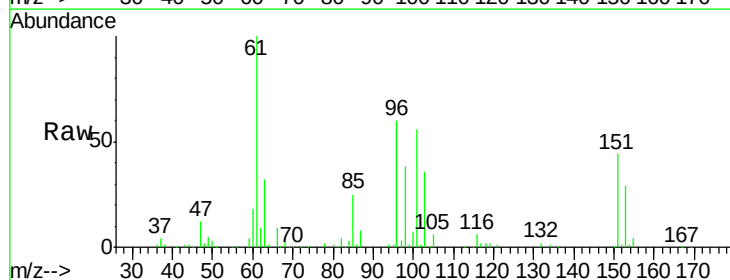
Tot Ion: 59 Resp: 147092
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

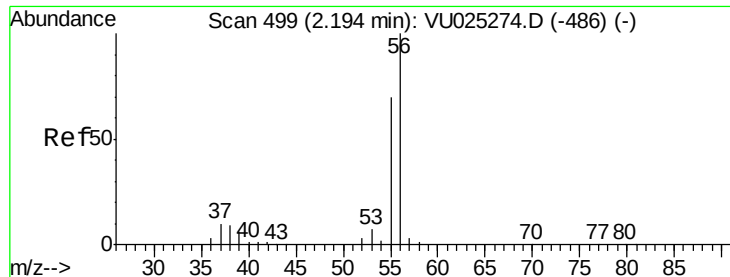


#12

1,1-Dichloroethene
 Concen: 47.38 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 96 Resp: 76806
 Ion Ratio Lower Upper
 96 100
 61 167.7 140.2 210.4
 98 63.2 49.3 73.9

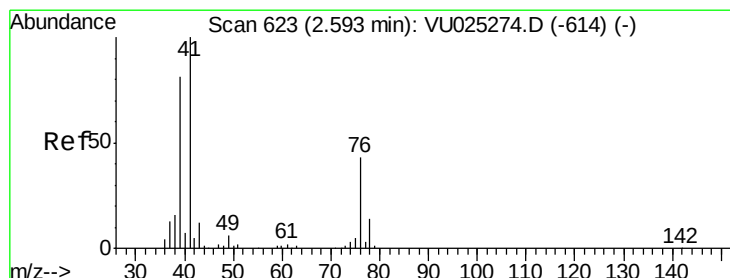
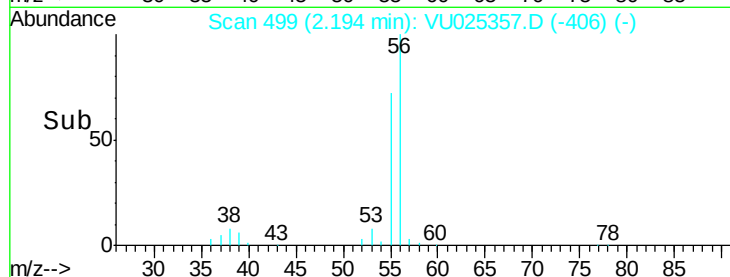
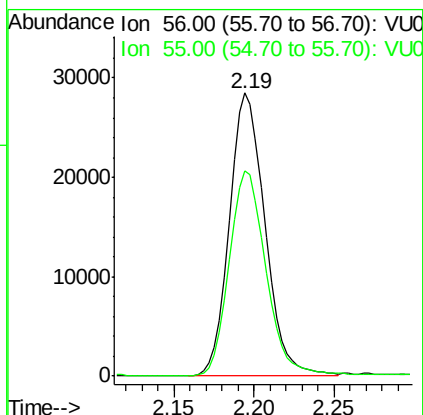
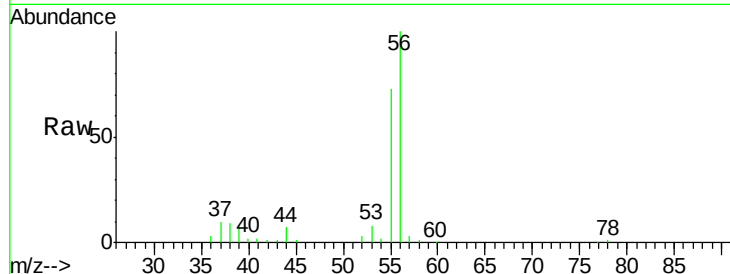




#13
Acrolein
Concen: 120.95 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

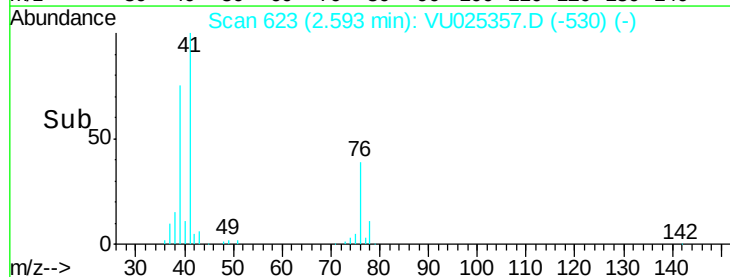
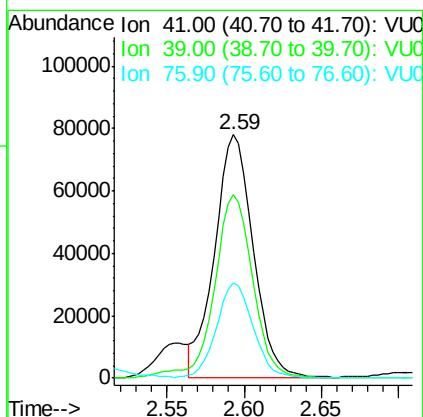
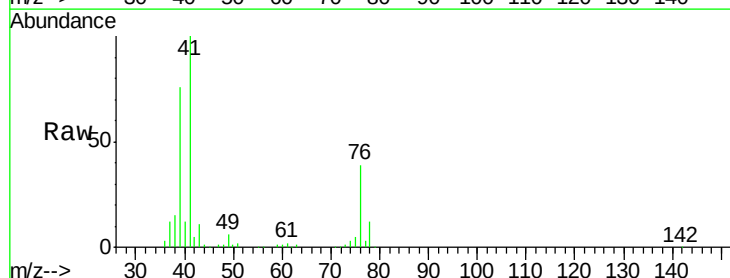
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

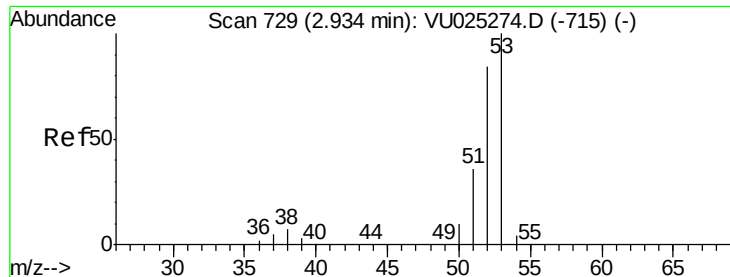
Tot Ion: 56 Resp: 43367
Ion Ratio Lower Upper
56 100
55 75.0 57.2 85.8



#14
Allyl chloride
Concen: 45.86 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 41 Resp: 134825
Ion Ratio Lower Upper
41 100
39 75.4 60.6 91.0
76 37.0 30.5 45.7

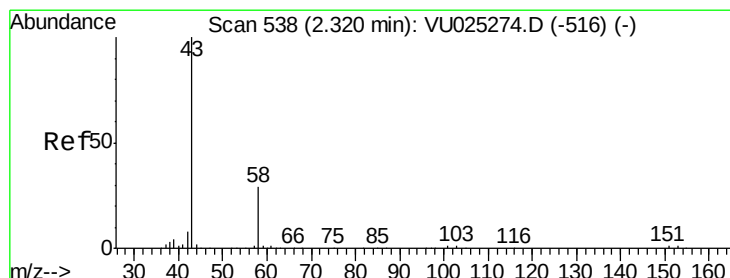
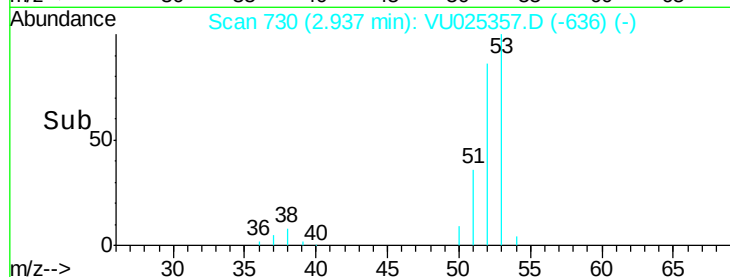
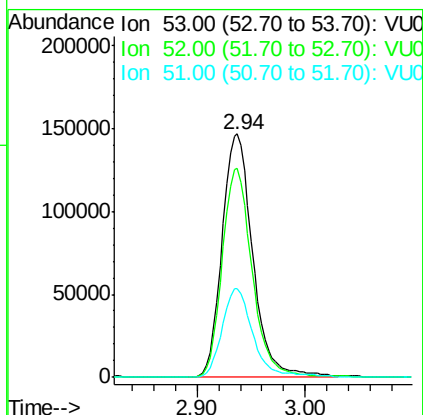
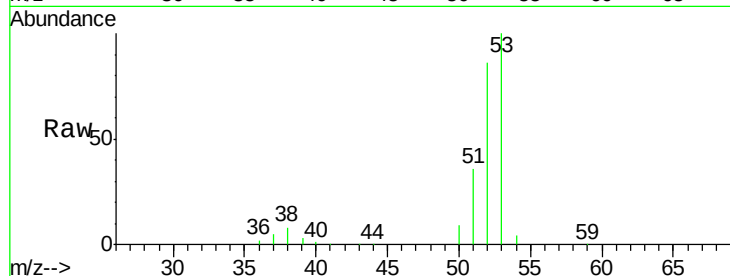




#15
 Acrylonitrile
 Concen: 261.03 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

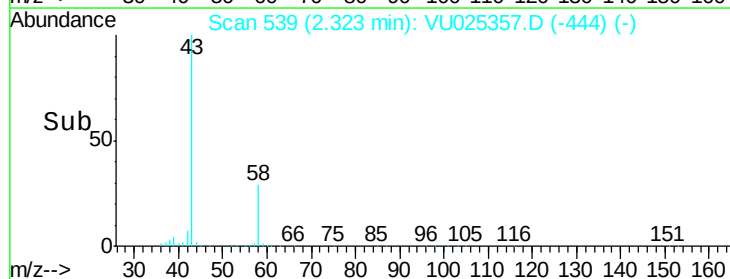
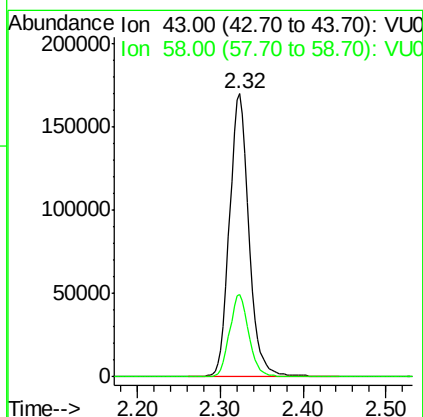
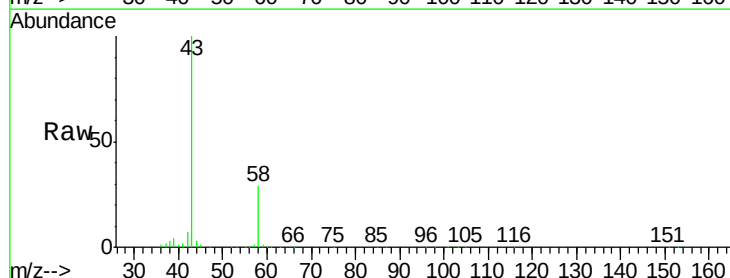
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

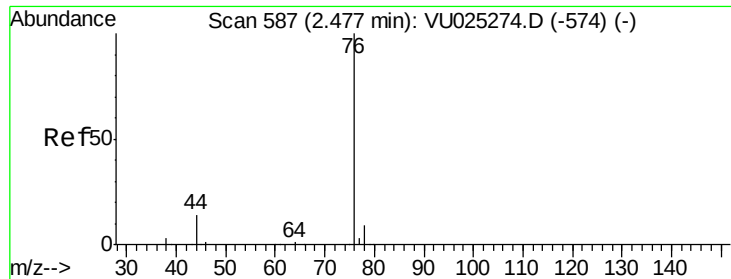
Tot Ion: 53 Resp: 290867
 Ion Ratio Lower Upper
 53 100
 52 83.5 66.6 99.8
 51 37.1 29.4 44.2



#16
 Acetone
 Concen: 219.10 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 43 Resp: 276989
 Ion Ratio Lower Upper
 43 100
 58 29.2 23.1 34.7





#17

Carbon Disulfide

Concen: 38.98 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

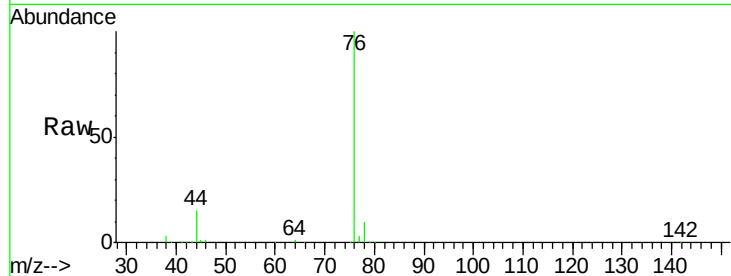
VSTDCCC050EC

Tot Ion: 76 Resp: 182558

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025274.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU025357.D (-494) (-)

2.48

120000

100000

80000

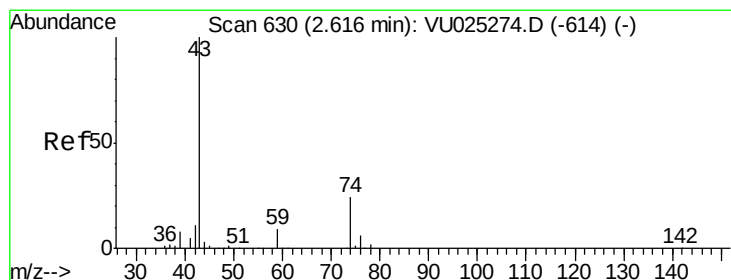
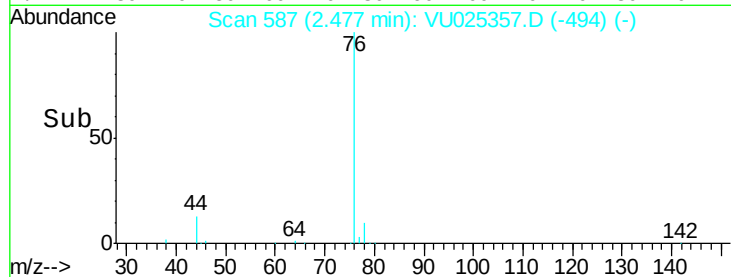
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 60.15 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025357.D

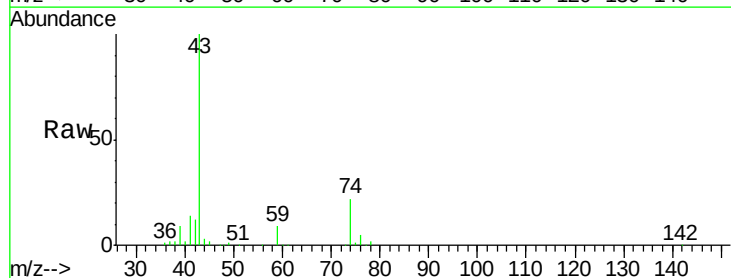
Acq: 12 Jul 2018 22:23

Tgt Ion: 43 Resp: 152997

Ion Ratio Lower Upper

43 100

74 22.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-614) (-)

Ion 74.00 (73.70 to 74.70): VU025357.D (-537) (-)

2.62

100000

80000

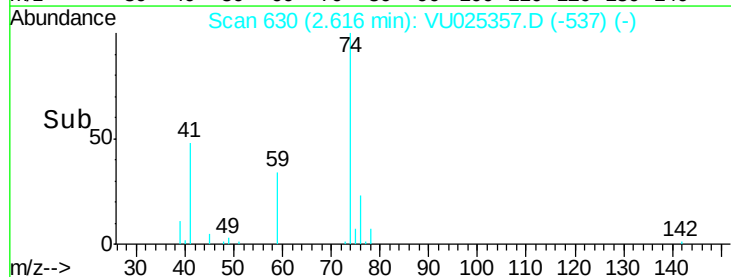
60000

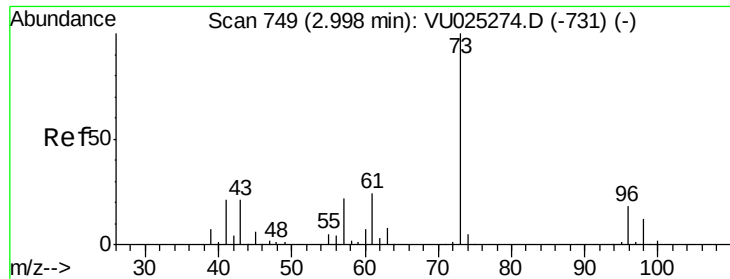
40000

20000

0

Time-->

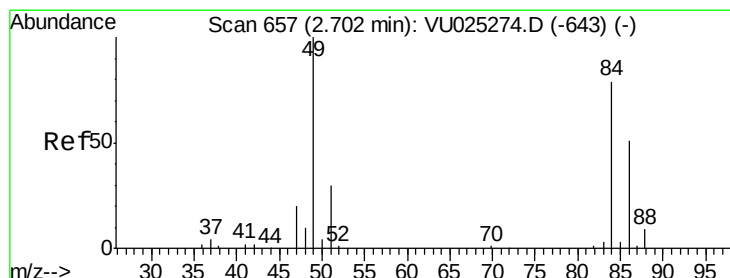
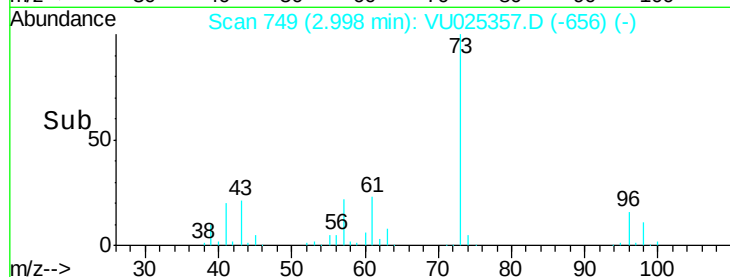
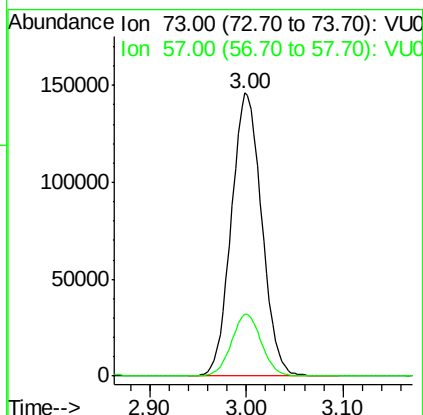
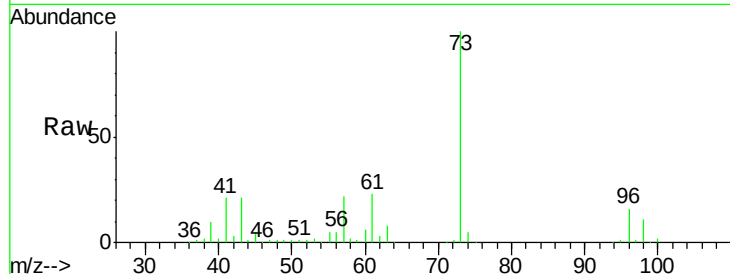




#19
Methyl tert-butyl Ether
Concen: 51.79 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

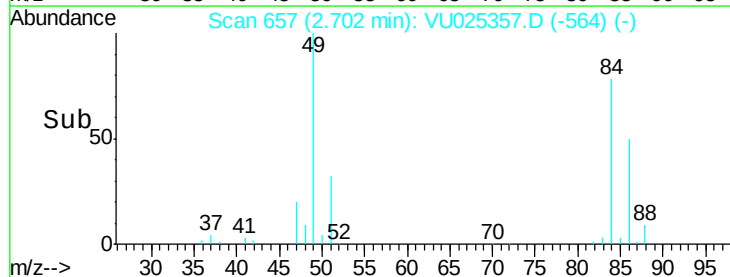
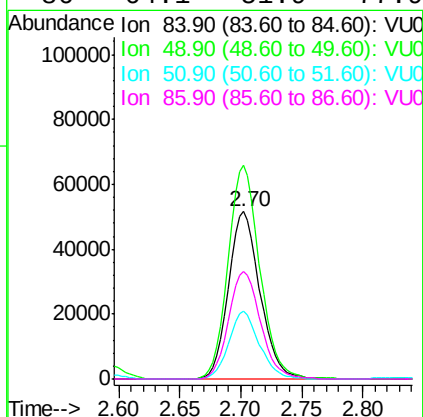
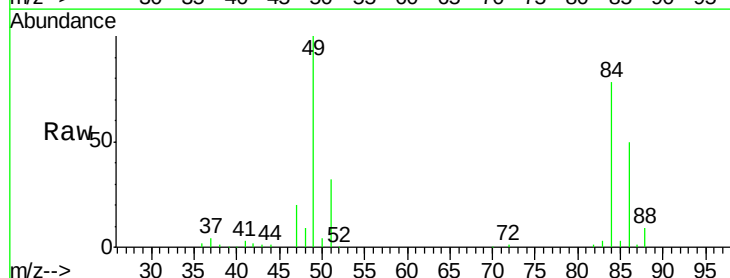
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

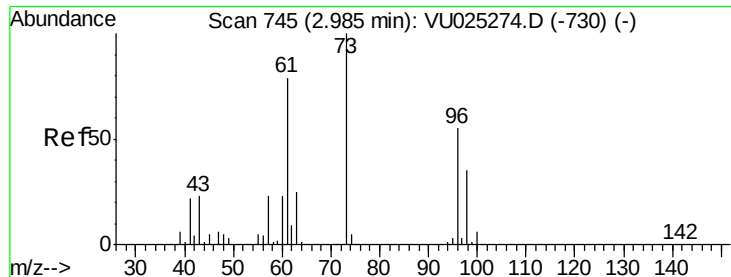
Tot Ion: 73 Resp: 319302
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2



#20
Methylene Chloride
Concen: 48.60 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 84 Resp: 93382
Ion Ratio Lower Upper
84 100
49 127.6 101.8 152.6
51 40.2 30.8 46.2
86 64.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.31 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

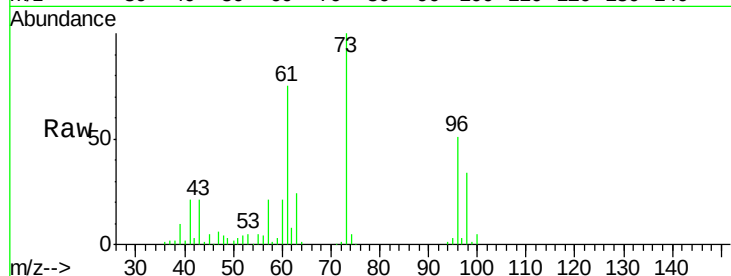
Tot Ion: 96 Resp: 83924

Ion Ratio Lower Upper

96 100

61 146.2 114.5 171.7

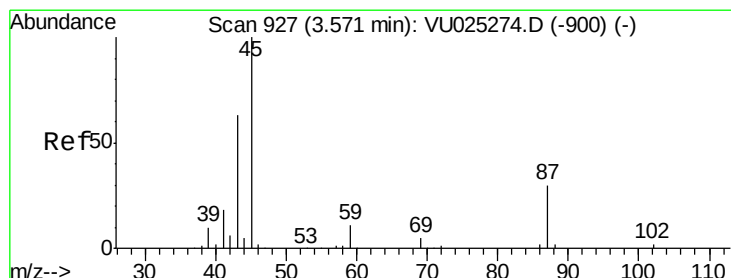
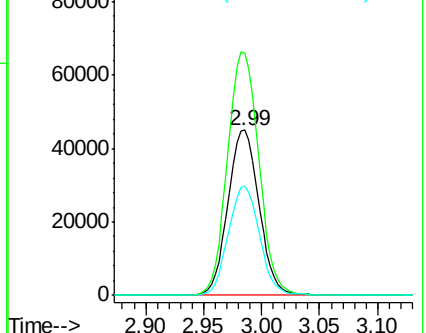
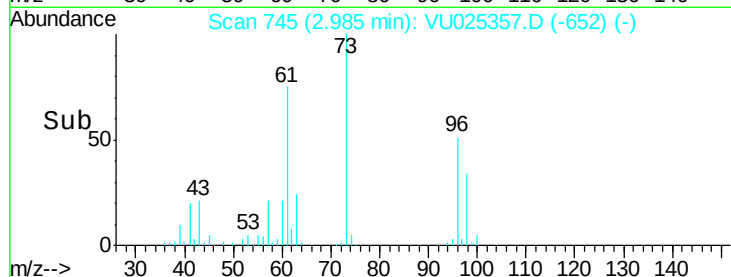
98 65.8 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-730) (-)

Ion 60.90 (60.60 to 61.60): VU025274.D (-730) (-)

Ion 97.90 (97.60 to 98.60): VU025274.D (-730) (-)



#22

Diisopropyl ether

Concen: 50.99 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion: 45 Resp: 306105

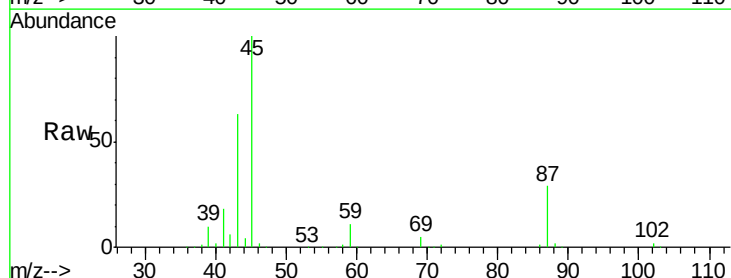
Ion Ratio Lower Upper

45 100

43 63.0 50.9 76.3

87 28.9 23.8 35.8

59 11.3 9.0 13.4

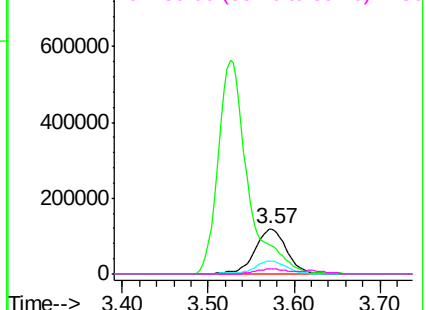
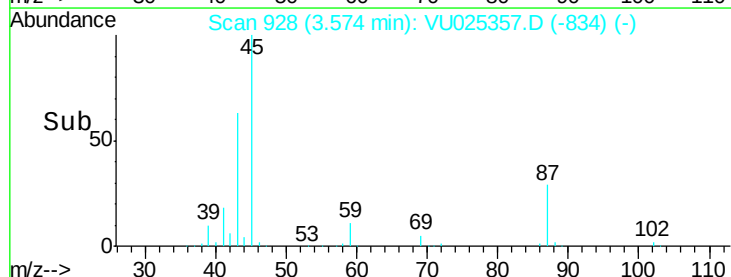


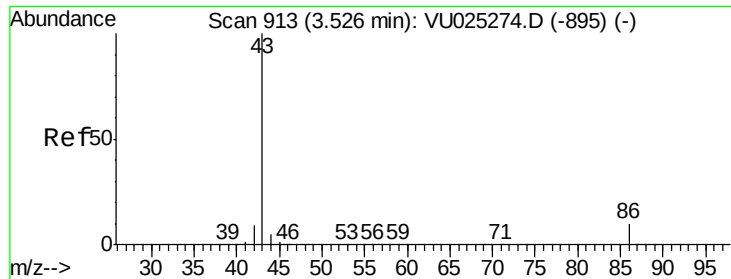
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025274.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025274.D (-900) (-)





#23

Vinyl Acetate

Concen: 257.55 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

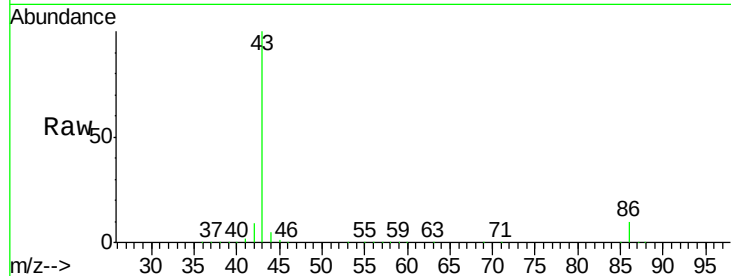
VSTDCCC050EC

Tot Ion: 43 Resp: 1356394

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

600000

500000

400000

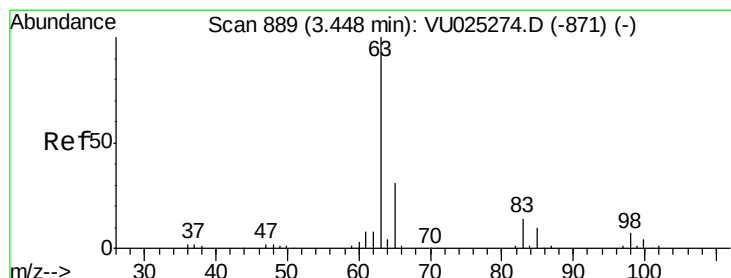
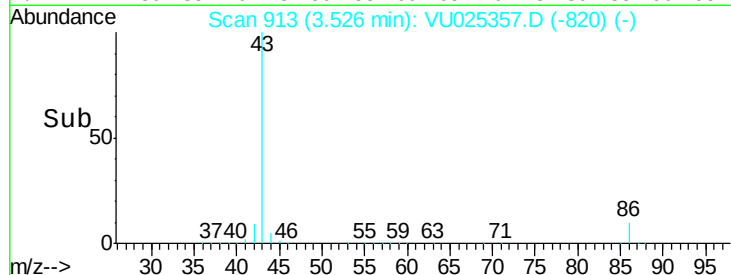
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.08 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

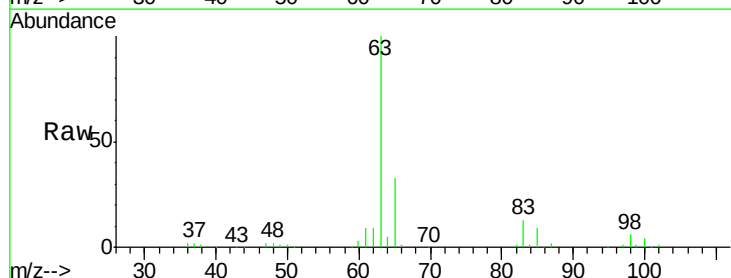
Tgt Ion: 63 Resp: 172950

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

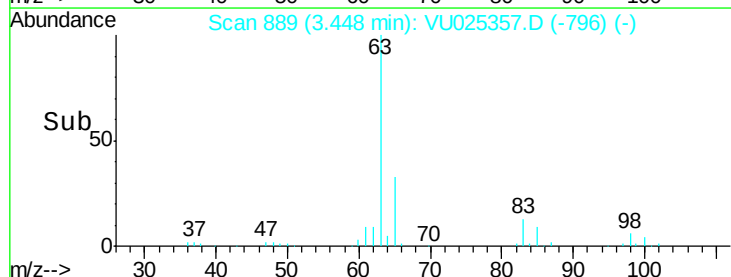
60000

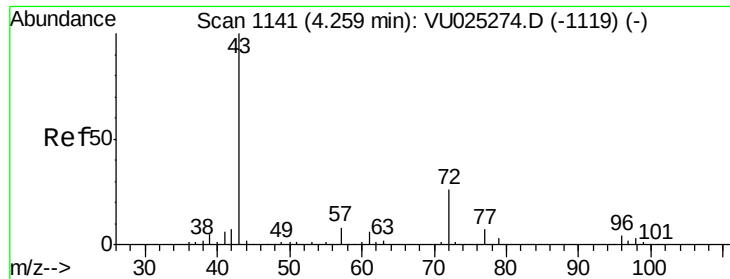
40000

20000

0

Time-->





#25

2-Butanone

Concen: 250.50 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

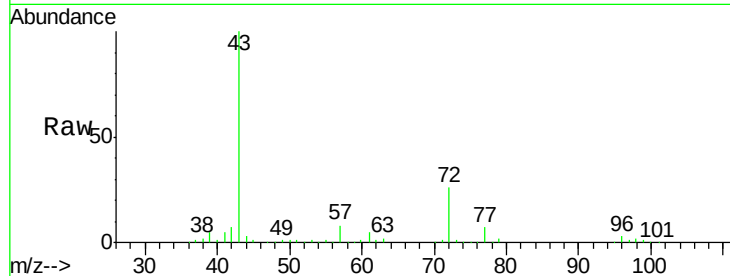
VSTDCCC050EC

Tot Ion: 43 Resp: 431376

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

200000

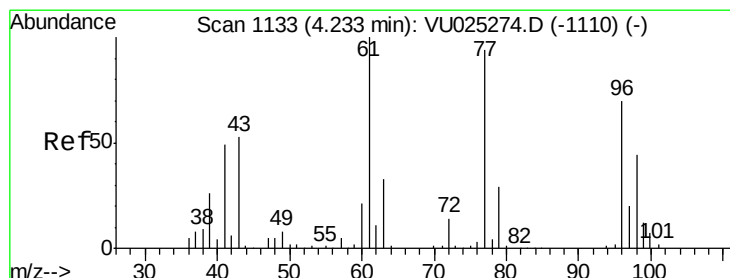
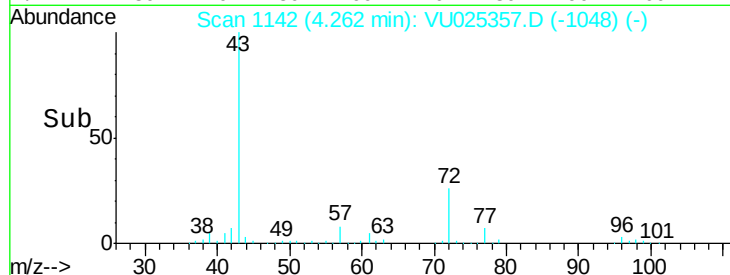
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 40.95 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025357.D

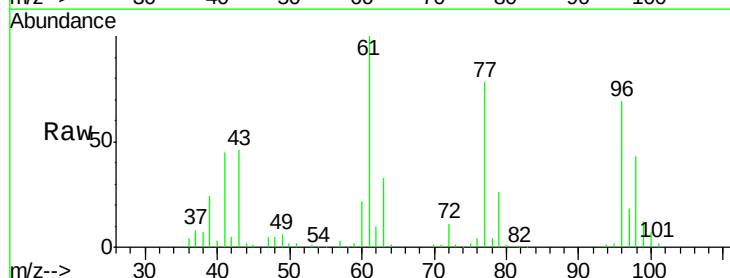
Acq: 12 Jul 2018 22:23

Tgt Ion: 77 Resp: 133329

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

50000

40000

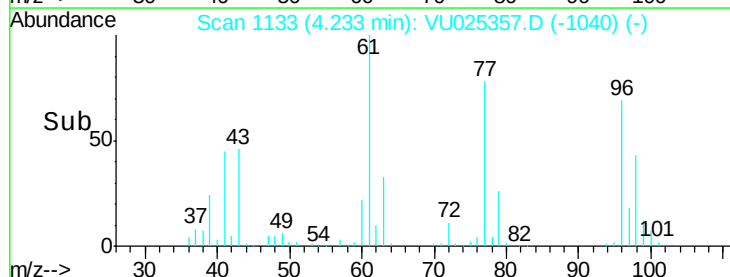
30000

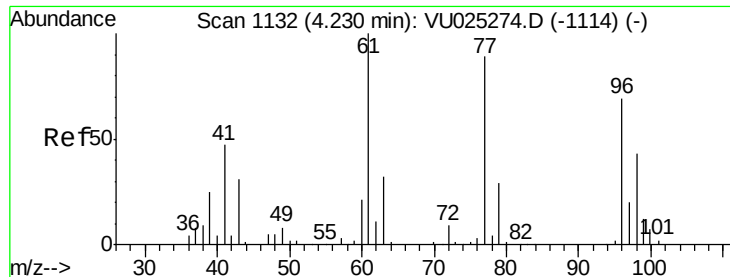
20000

10000

0

Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 48.69 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

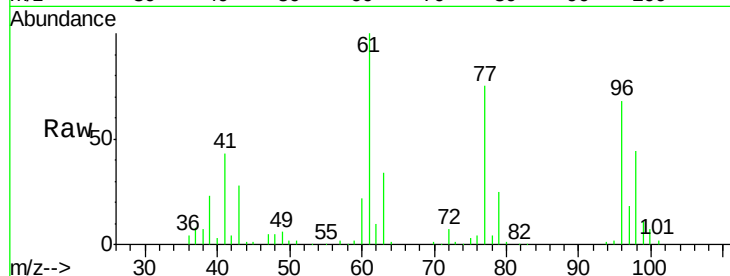
Tot Ion: 96 Resp: 104357

Ion Ratio Lower Upper

96 100

61 149.3 0.0 299.8

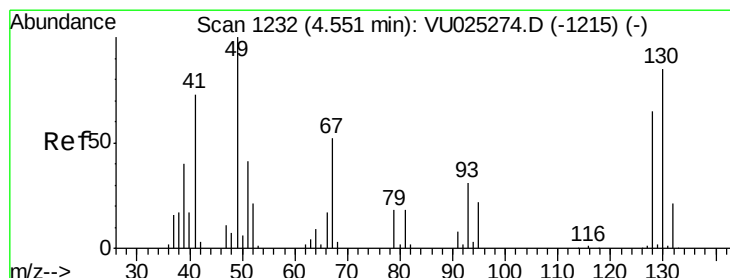
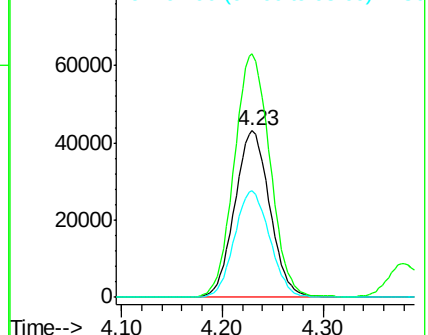
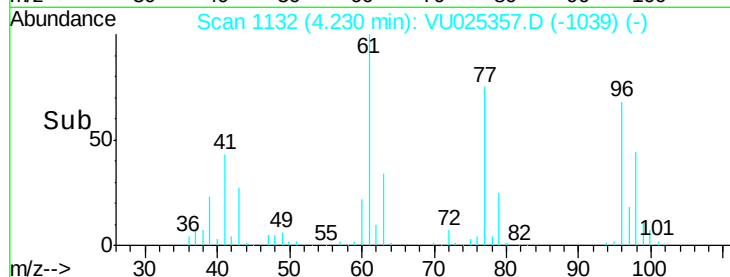
98 64.3 0.0 128.6



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: 51.16 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

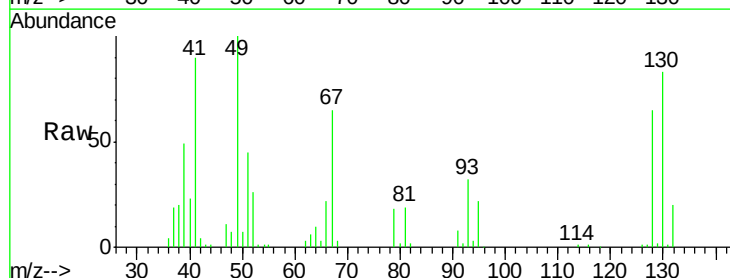
Tgt Ion: 49 Resp: 83638

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

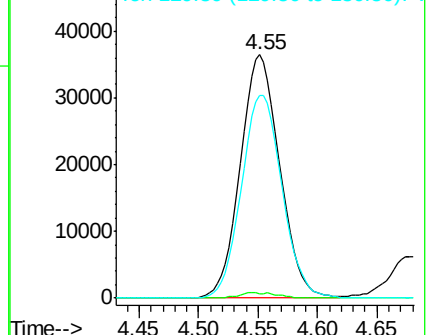
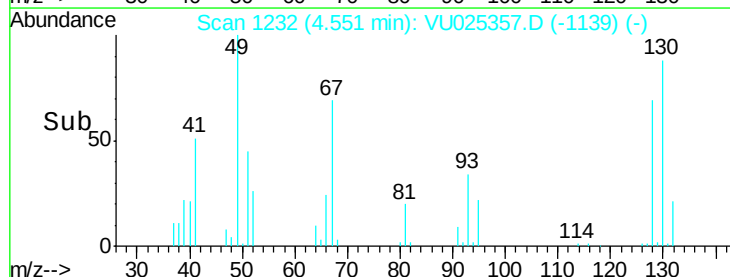
130 86.0 68.6 102.8

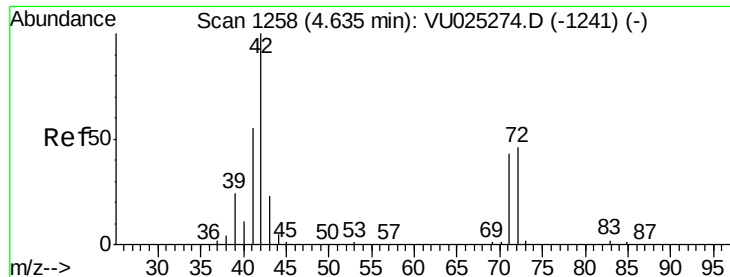


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.71 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

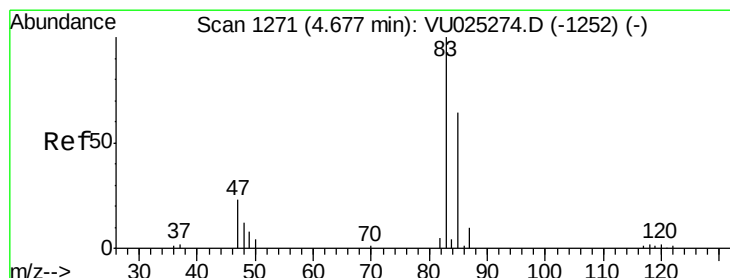
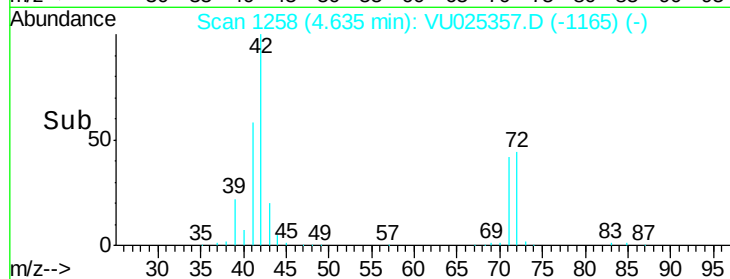
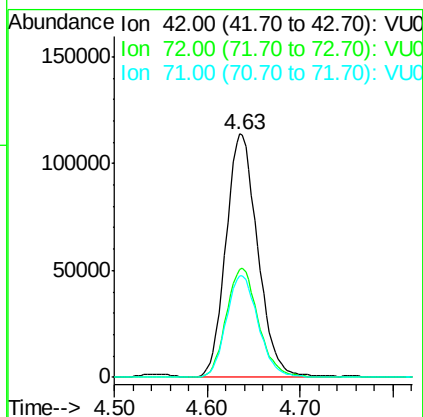
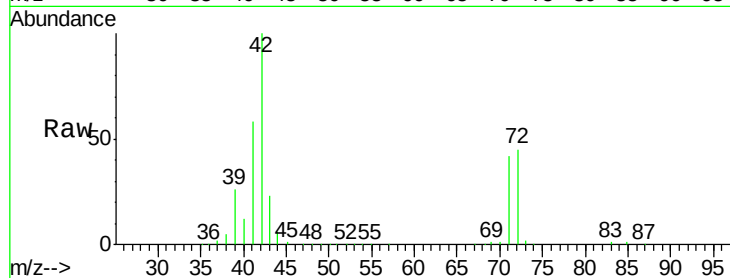
Tot Ion: 42 Resp: 269289

Ion Ratio Lower Upper

42 100

72 45.4 36.7 55.1

71 42.2 33.9 50.9



#30

Chloroform

Concen: 51.93 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025357.D

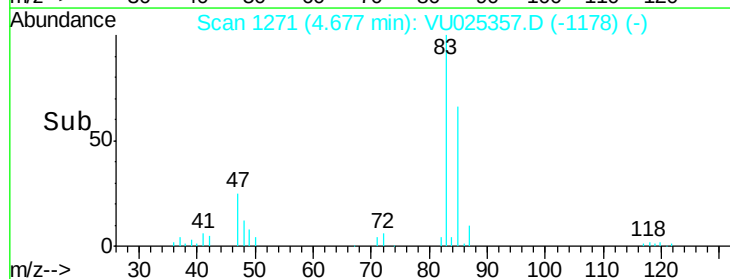
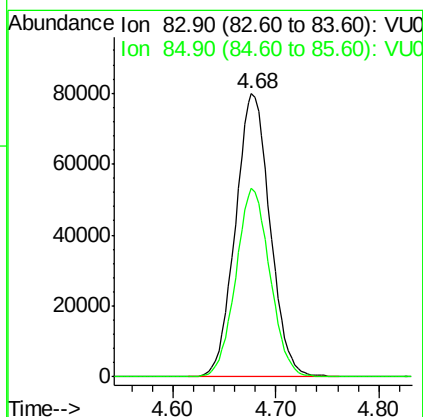
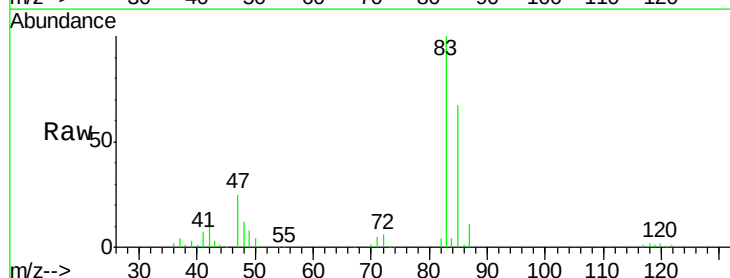
Acq: 12 Jul 2018 22:23

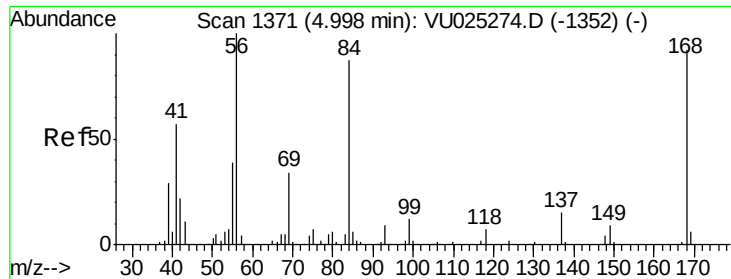
Tgt Ion: 83 Resp: 186197

Ion Ratio Lower Upper

83 100

85 66.5 51.5 77.3

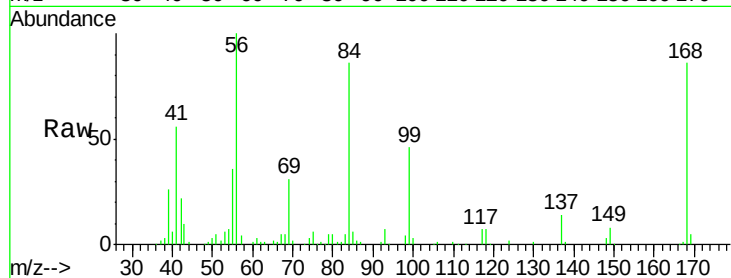




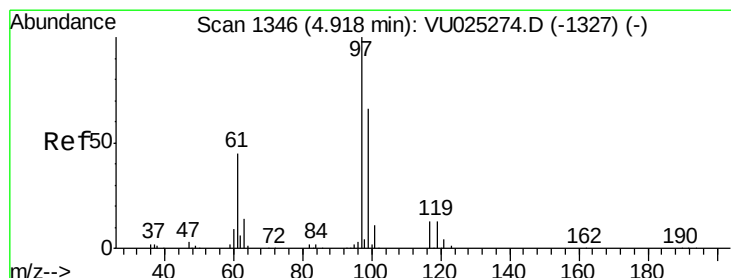
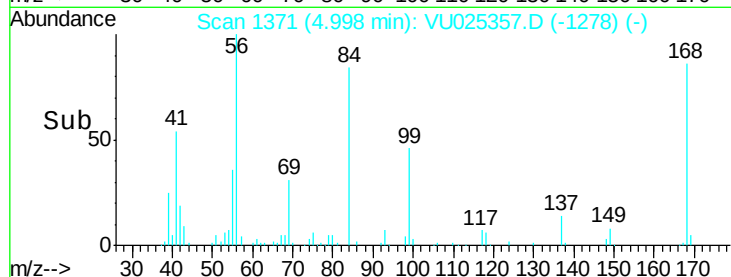
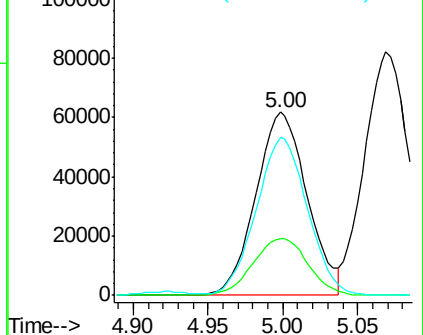
#31
Cyclohexane
Concen: 47.10 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 147664
Ion Ratio Lower Upper
56 100
69 31.2 26.8 40.2
84 84.6 69.7 104.5

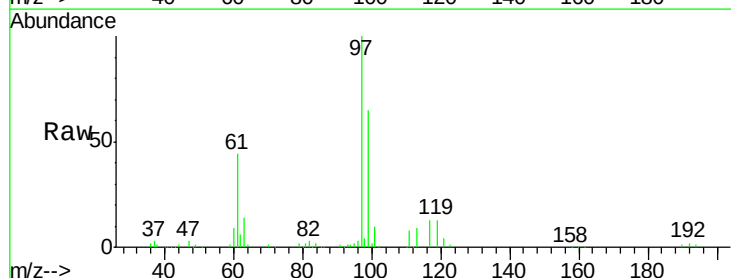


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

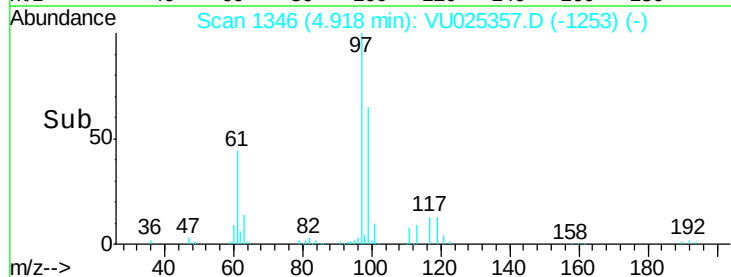
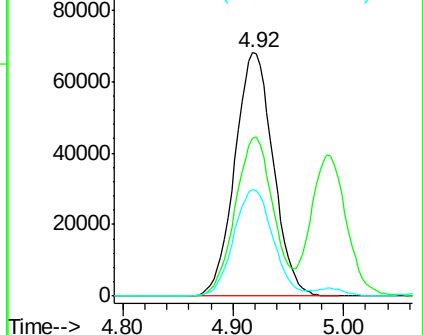


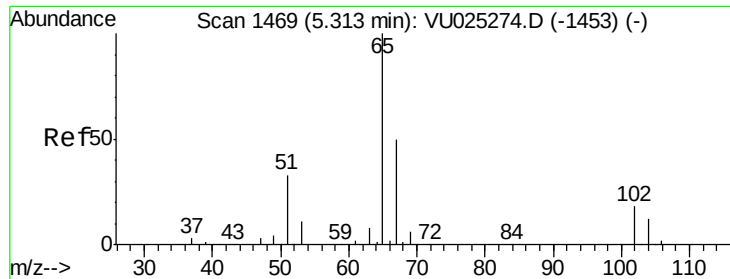
#32
1,1,1-Trichloroethane
Concen: 50.46 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 97 Resp: 163980
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 44.9 35.2 52.8



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

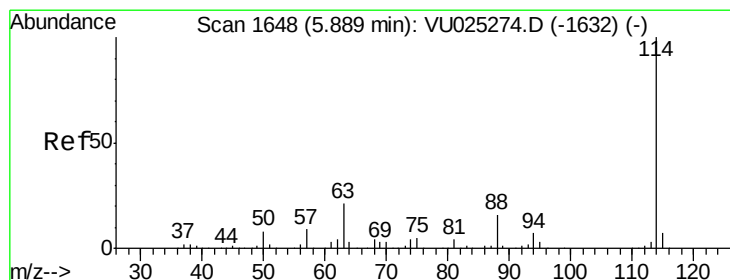
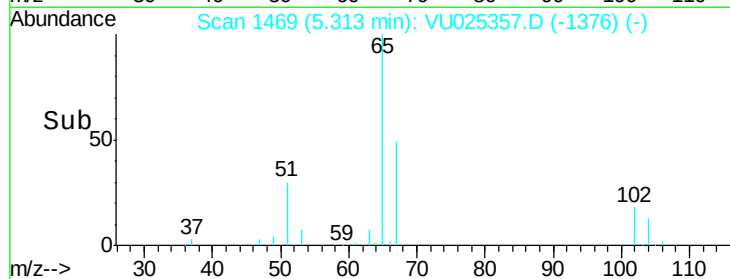
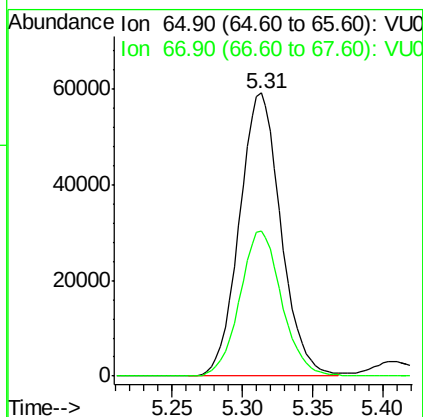
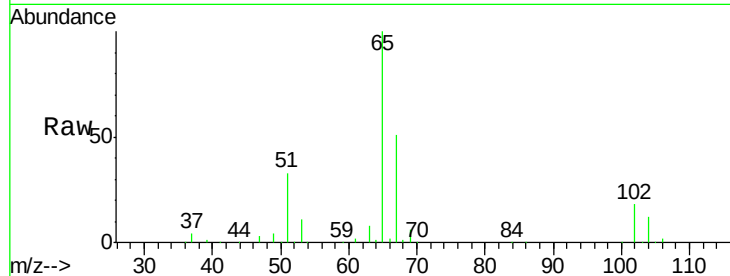




#33
 1,2-Dichloroethane-d4
 Concen: 49.00 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

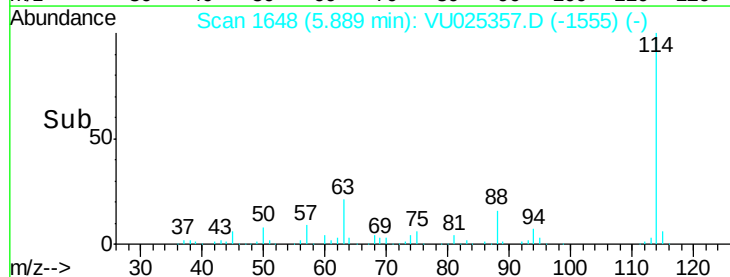
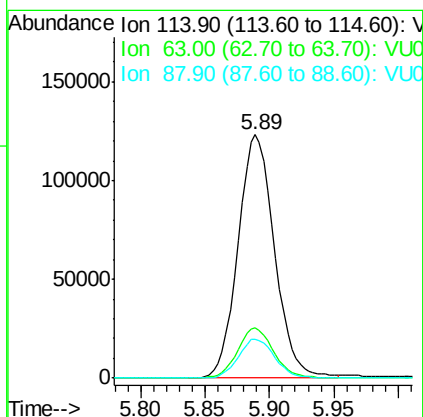
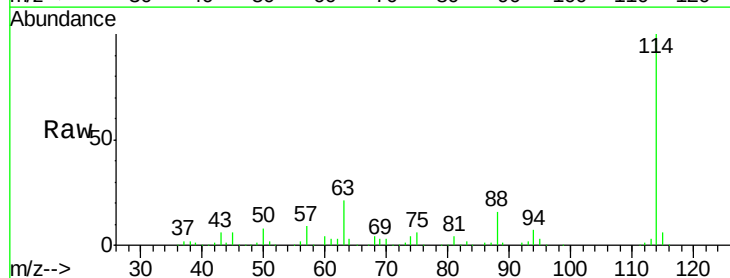
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

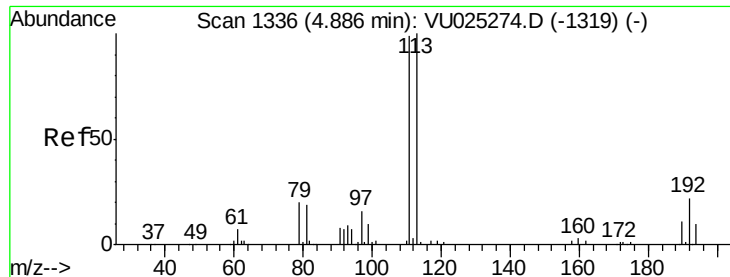
Tot Ion: 65 Resp: 121730
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 114 Resp: 242385
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.6
 88 16.2 0.0 32.4

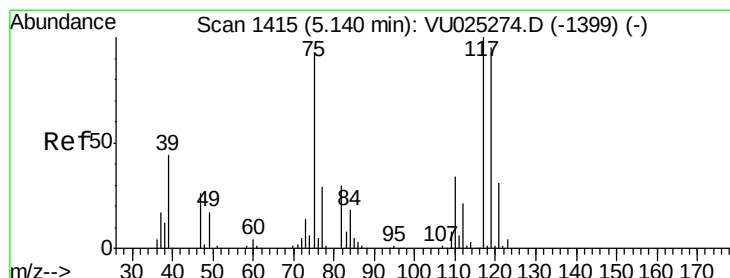
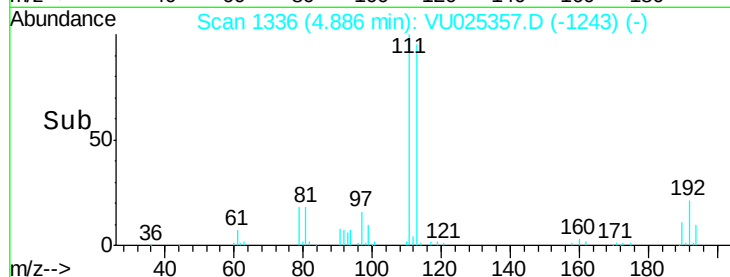
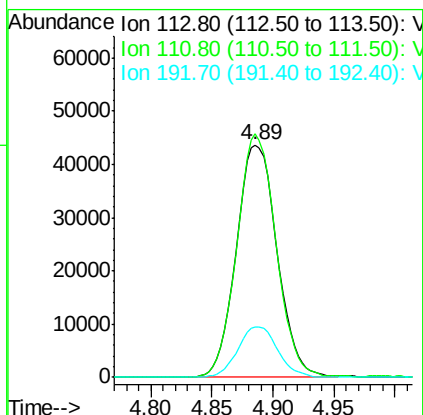
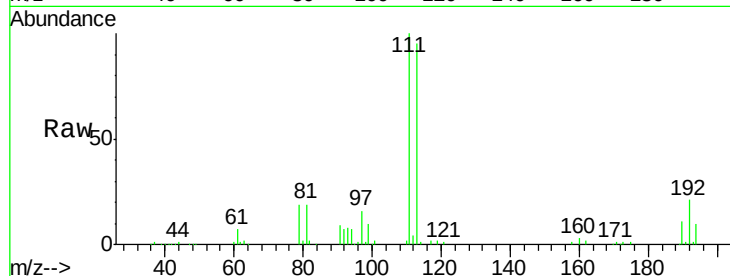




#35
 Dibromofluoromethane
 Concen: 49.40 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

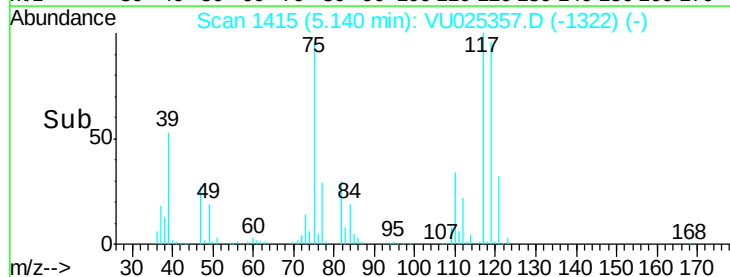
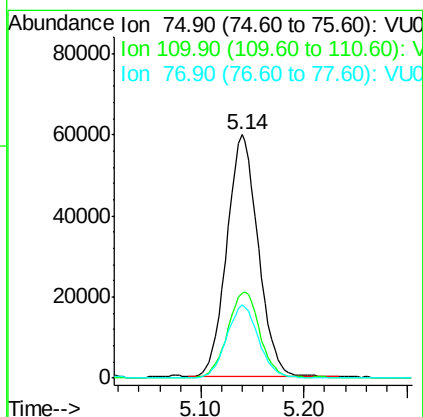
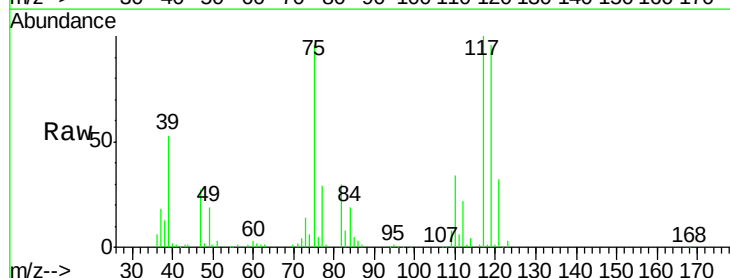
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

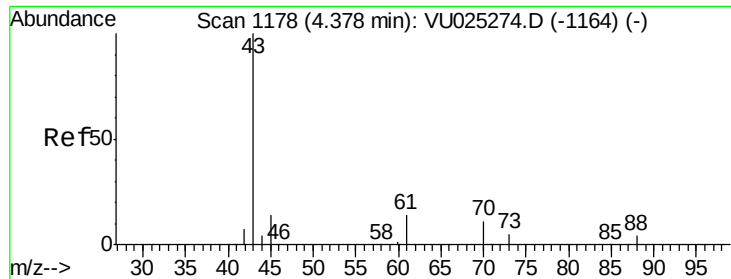
Tot Ion:113 Resp: 101011
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 46.86 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 75 Resp: 126278
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.6 52.9
 77 31.0 24.4 36.6

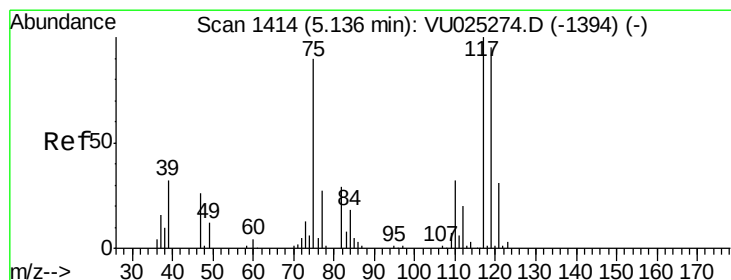
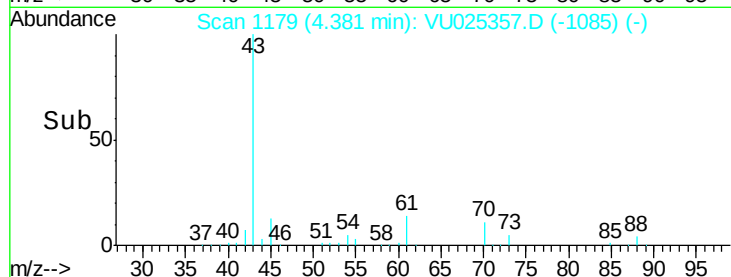
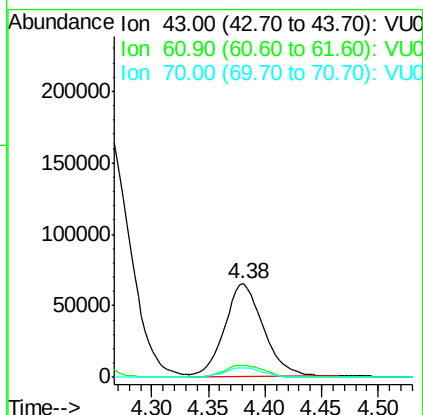
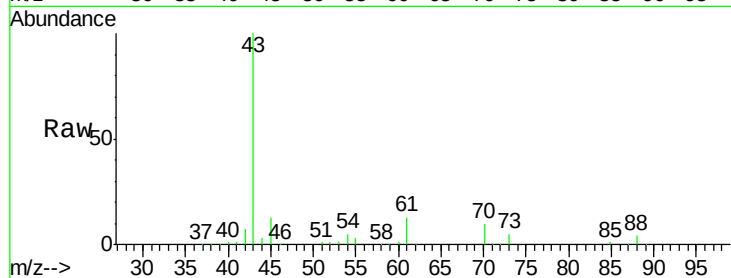




#37
Ethyl Acetate
Concen: 51.47 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

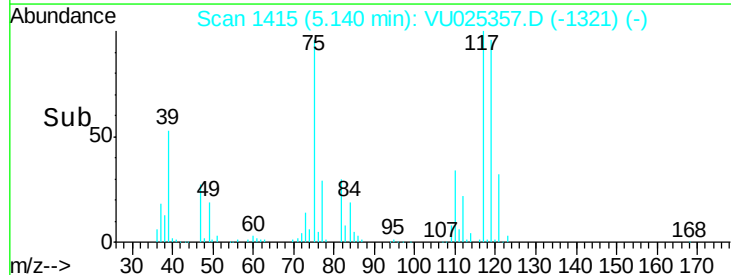
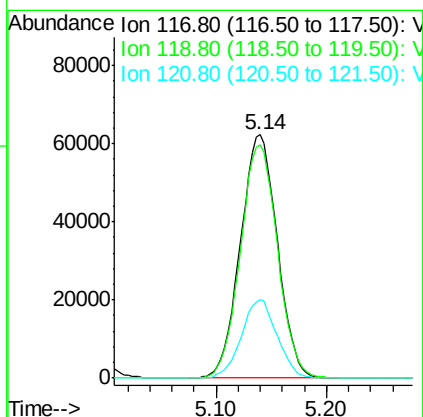
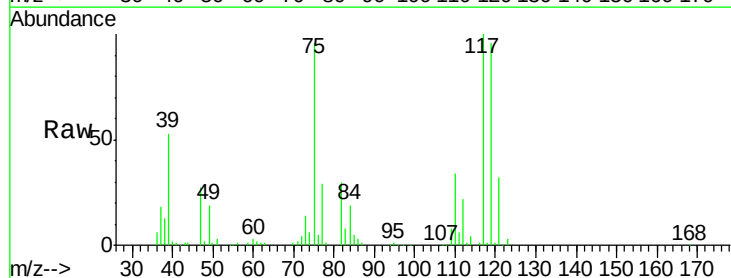
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

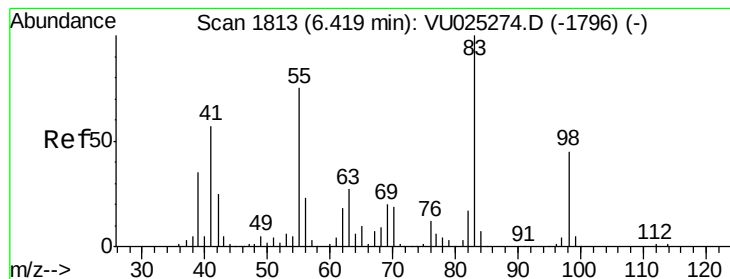
Tot Ion: 43 Resp: 154676
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.73 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 117 Resp: 144245
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5
121 32.3 24.6 36.8





#39

Methylvlcyclohexane

Concen: 44.27 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

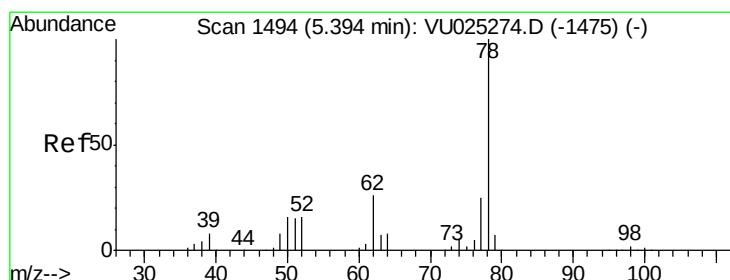
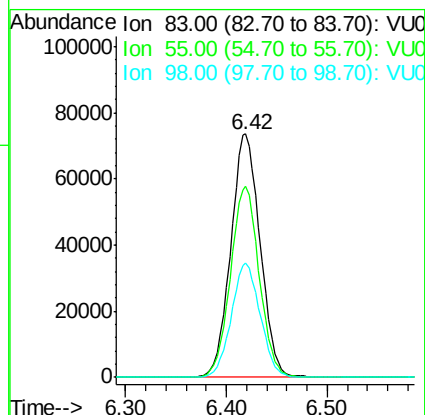
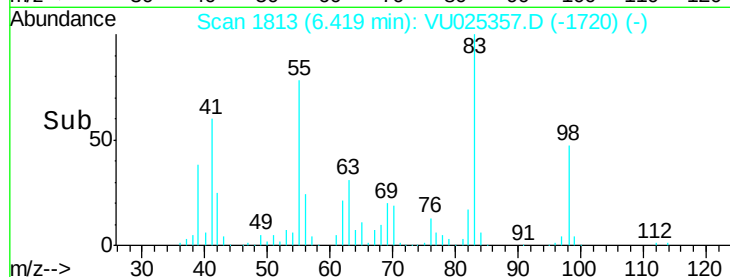
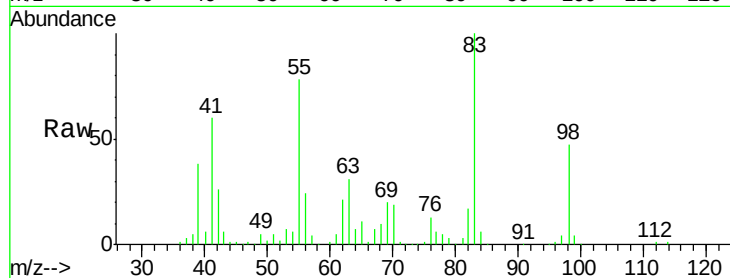
Tot Ion: 83 Resp: 148806

Ion Ratio Lower Upper

83 100

55 78.3 60.0 90.0

98 47.1 36.1 54.1



#40

Benzene

Concen: 47.74 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025357.D

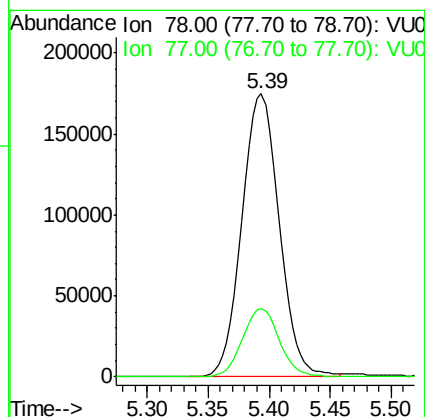
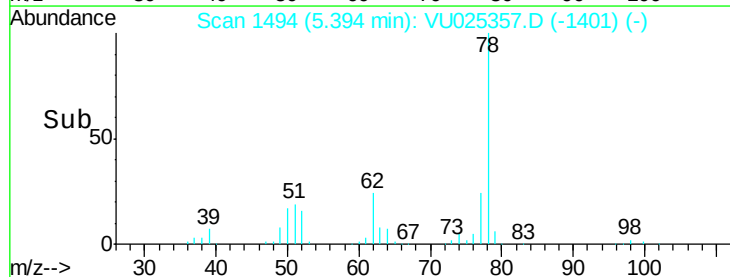
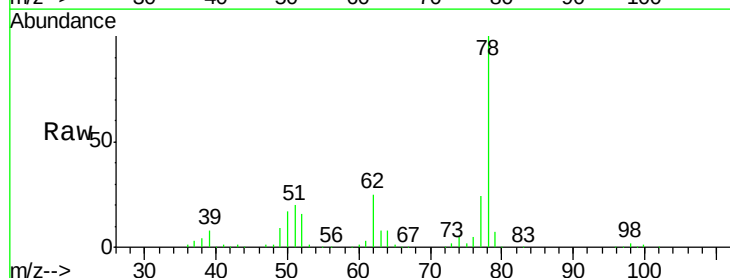
Acq: 12 Jul 2018 22:23

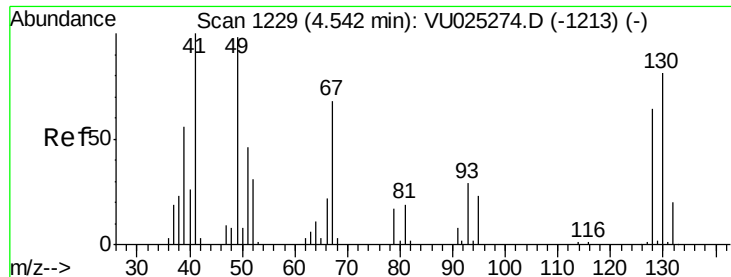
Tgt Ion: 78 Resp: 370705

Ion Ratio Lower Upper

78 100

77 24.1 19.8 29.6





#41

Methacrylonitrile

Concen: 52.29 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 87127

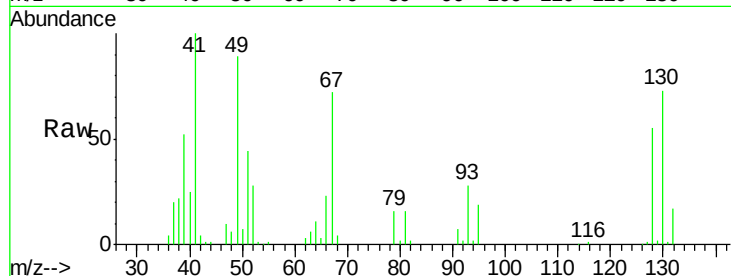
Ion Ratio Lower Upper

41 100

39 55.0 44.4 66.6

67 72.1 56.0 84.0

52 29.7 24.6 36.8

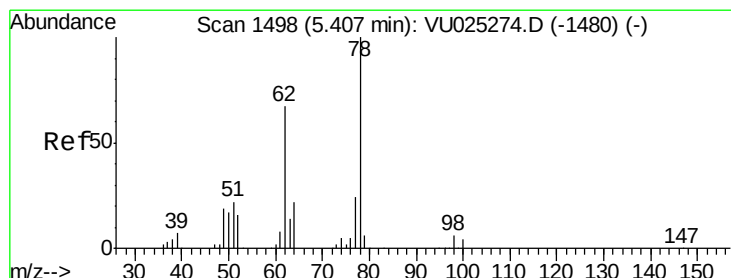
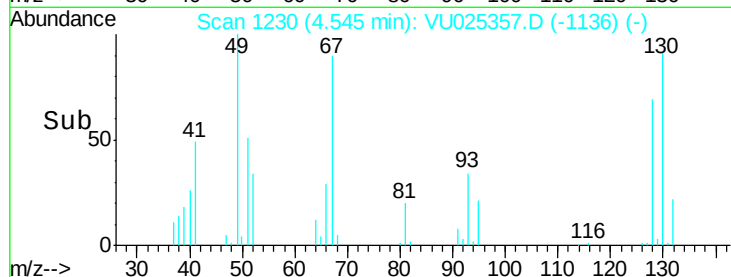
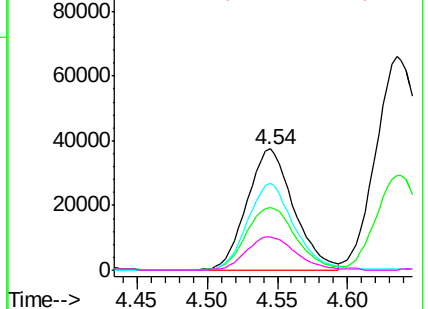


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 50.60 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025357.D

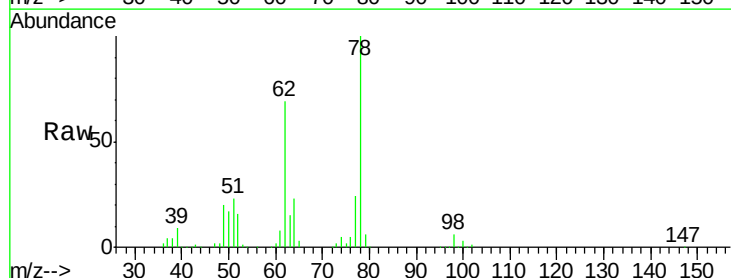
Acq: 12 Jul 2018 22:23

Tgt Ion: 62 Resp: 156202

Ion Ratio Lower Upper

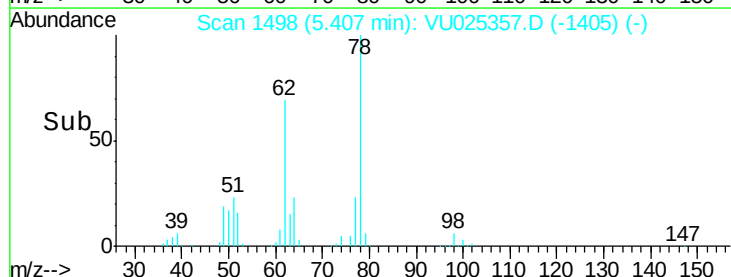
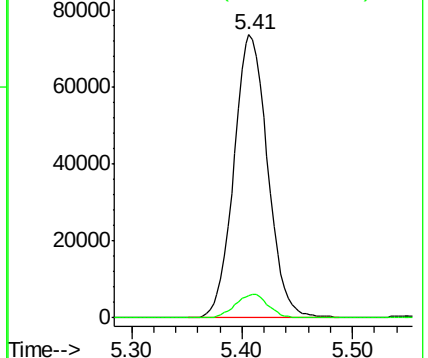
62 100

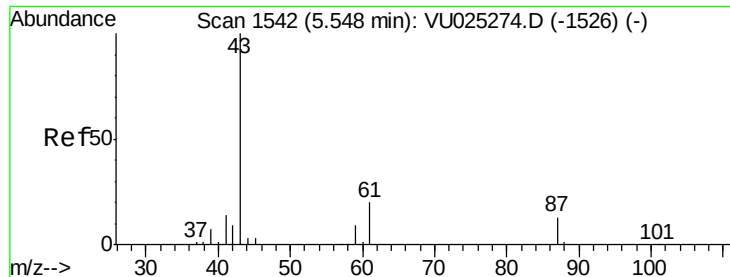
98 8.2 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.66 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

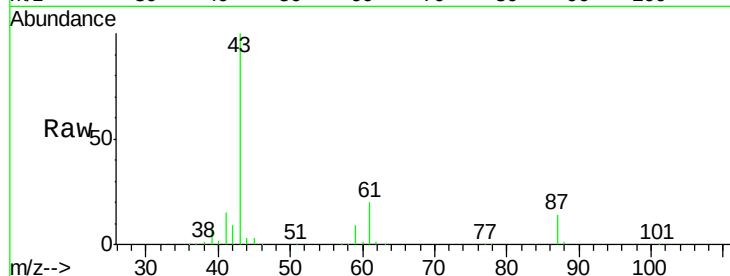
Tot Ion: 43 Resp: 248605

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

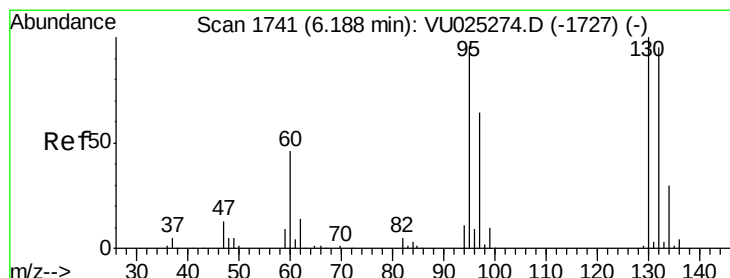
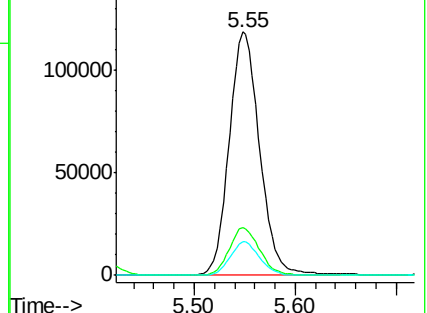
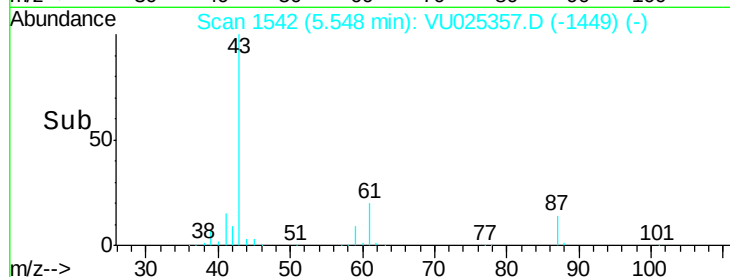
87 13.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 46.91 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025357.D

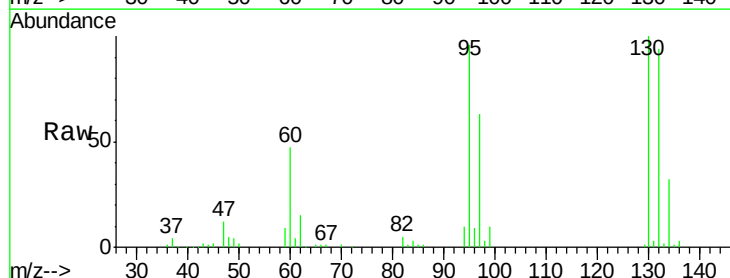
Acq: 12 Jul 2018 22:23

Tgt Ion: 130 Resp: 104602

Ion Ratio Lower Upper

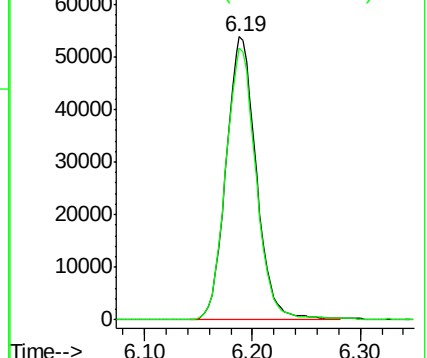
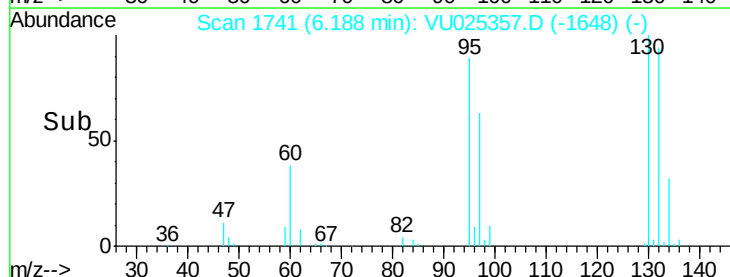
130 100

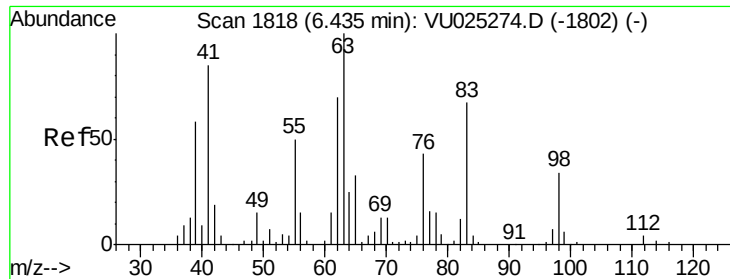
95 95.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

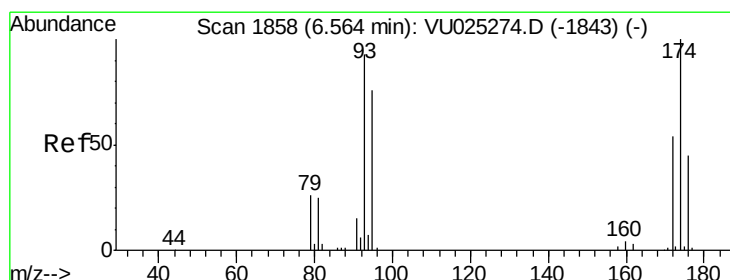
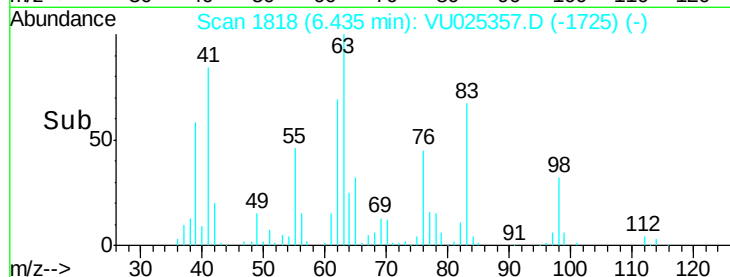
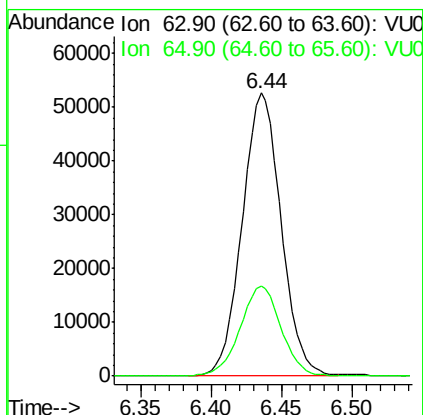
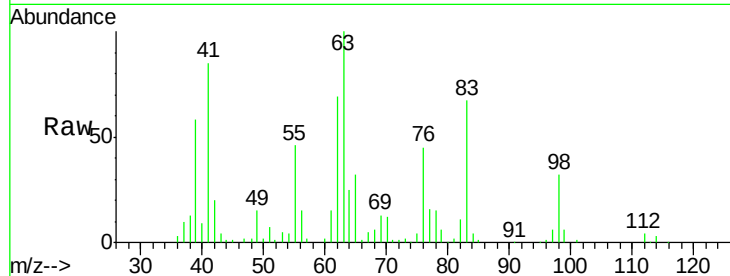




#45
 1,2-Dichloropropane
 Concen: 50.10 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

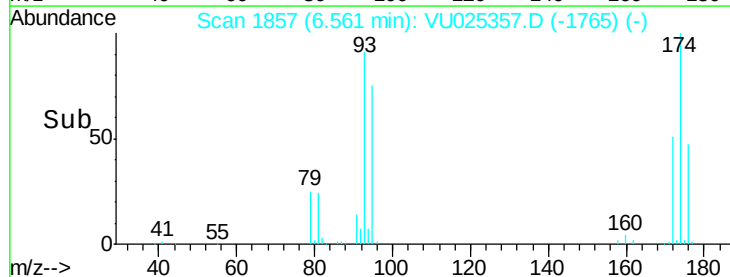
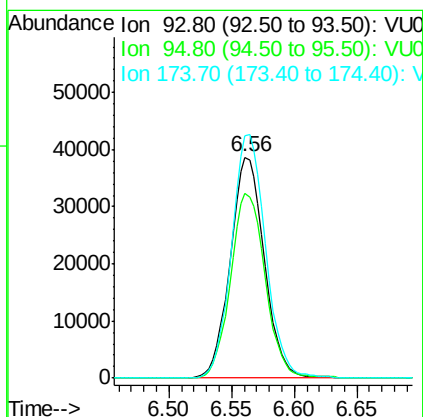
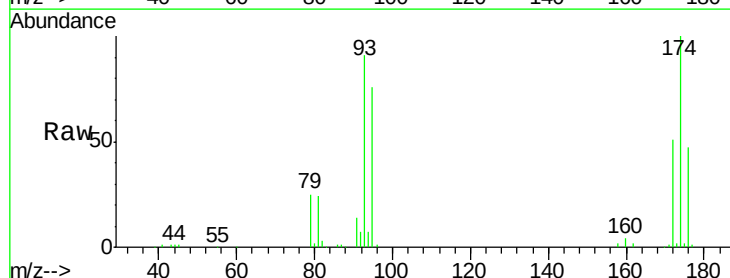
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

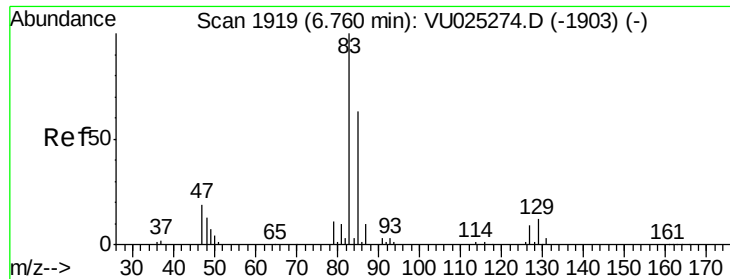
Tot Ion: 63 Resp: 101910
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.1 39.1



#46
 Dibromomethane
 Concen: 49.26 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 93 Resp: 72914
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.6 100.0
 174 110.1 85.8 128.8





#47

Bromodichloromethane

Concen: 51.31 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

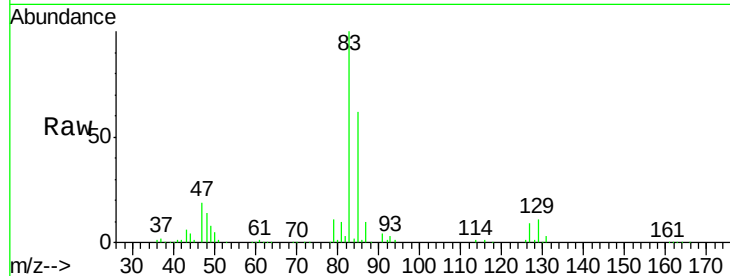
Tot Ion: 83 Resp: 141086

Ion Ratio Lower Upper

83 100

85 62.4 50.2 75.4

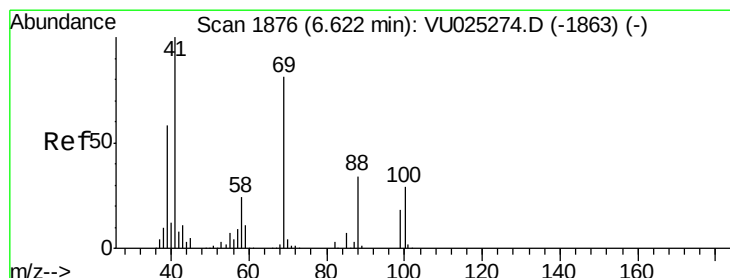
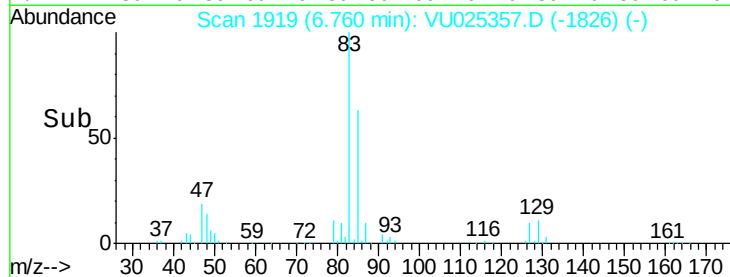
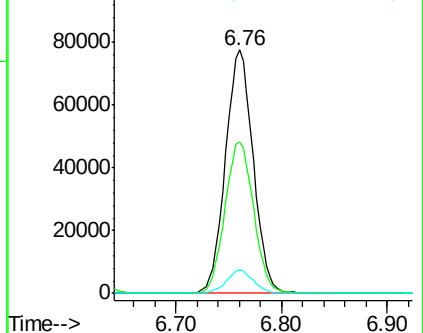
127 9.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.09 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

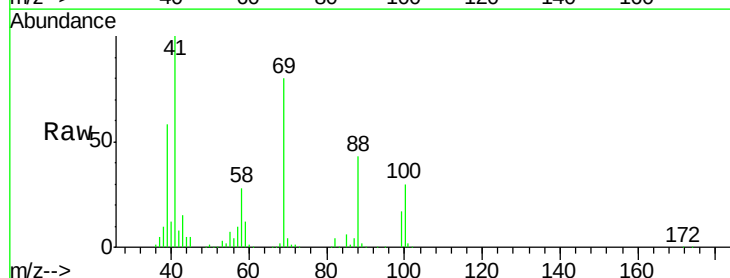
Tgt Ion: 41 Resp: 127365

Ion Ratio Lower Upper

41 100

69 81.7 65.0 97.4

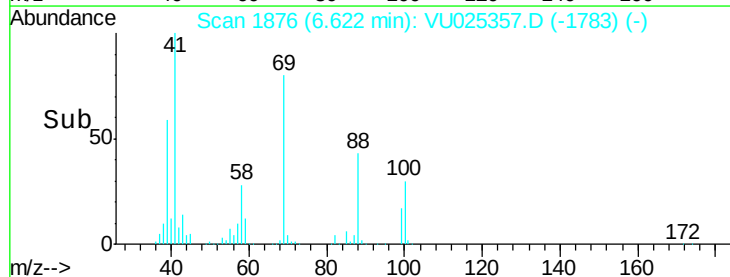
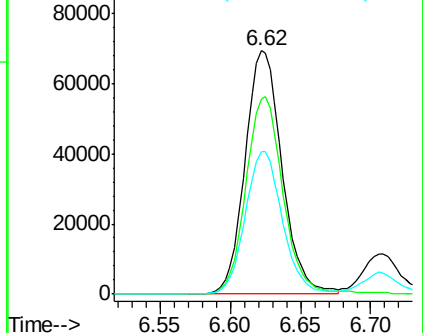
39 59.0 46.4 69.6

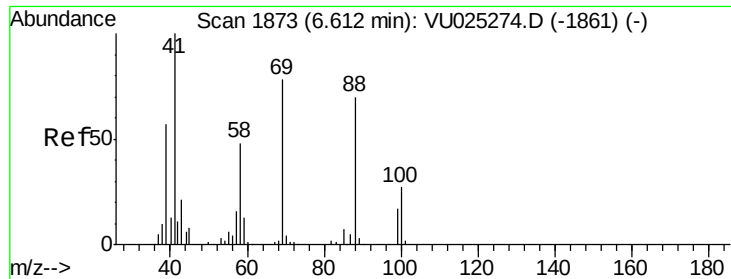


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 1077.87 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

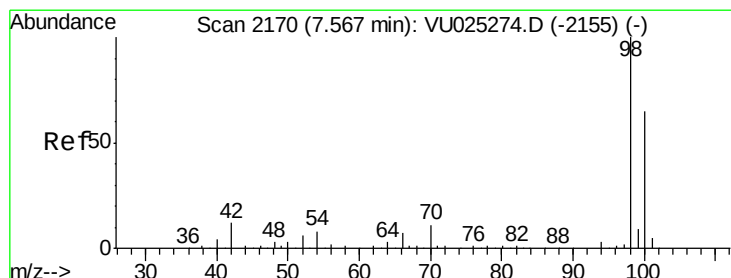
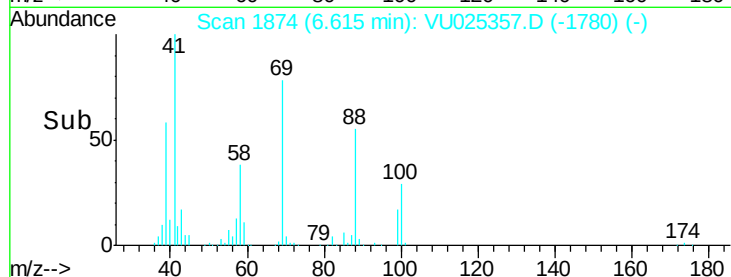
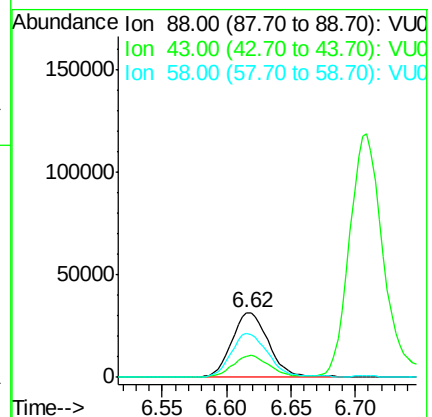
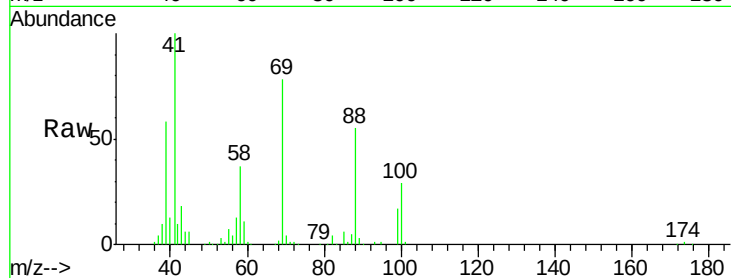
Tot Ion: 88 Resp: 62224

Ion Ratio Lower Upper

88 100

43 32.0 27.3 40.9

58 68.8 57.6 86.4



#50

Toluene-d8

Concen: 46.70 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025357.D

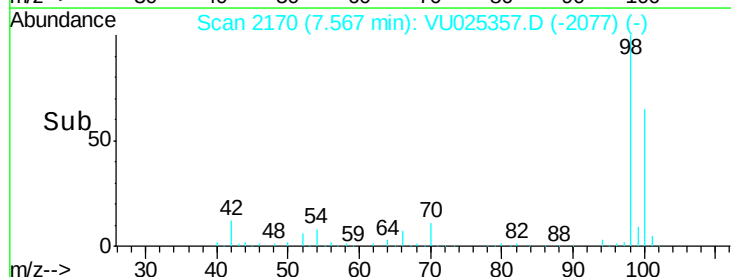
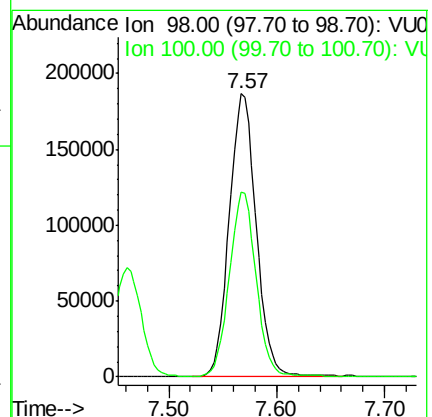
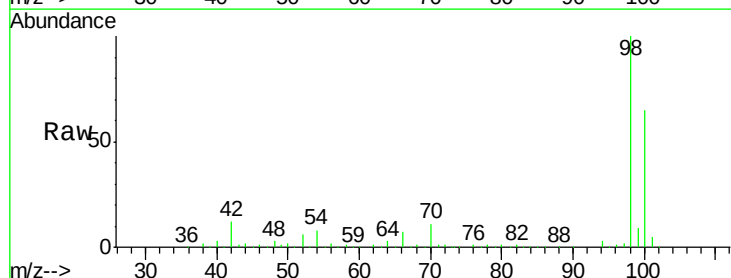
Acq: 12 Jul 2018 22:23

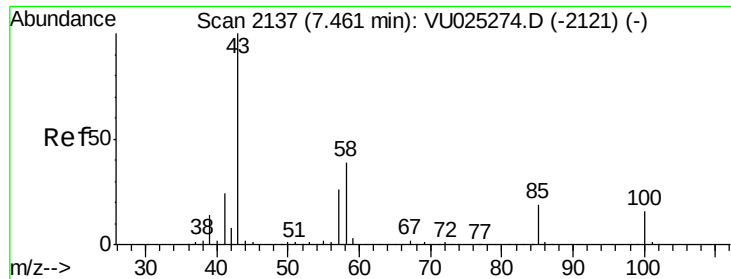
Tgt Ion: 98 Resp: 326973

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 263.19 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

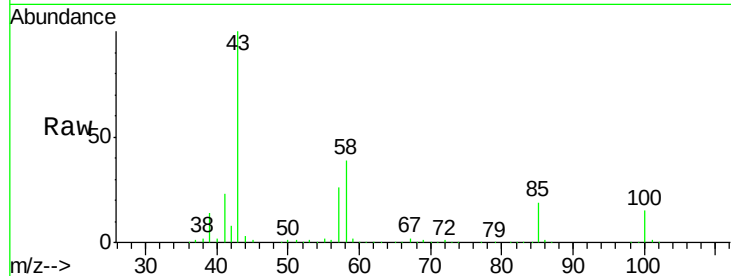
VSTDCCC050EC

Tot Ion: 43 Resp: 823221

Ion Ratio Lower Upper

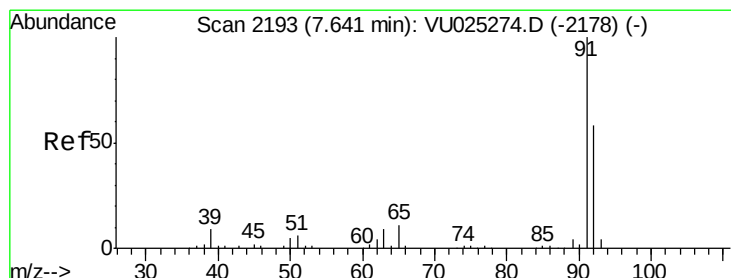
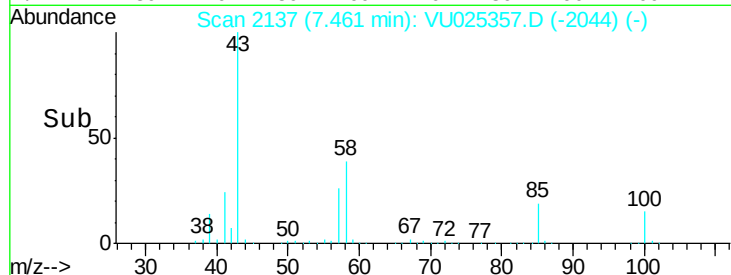
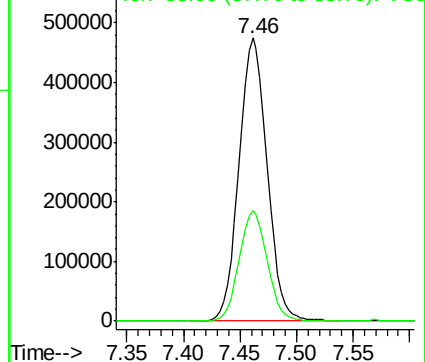
43 100

58 38.9 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.92 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025357.D

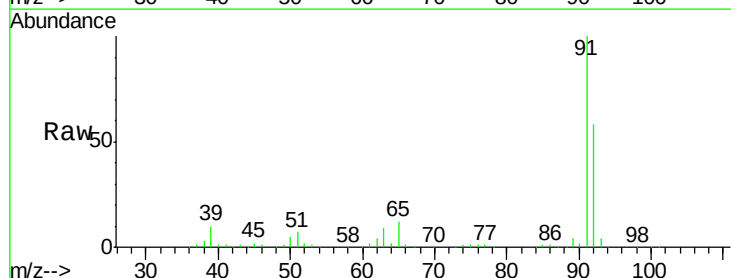
Acq: 12 Jul 2018 22:23

Tgt Ion: 92 Resp: 241687

Ion Ratio Lower Upper

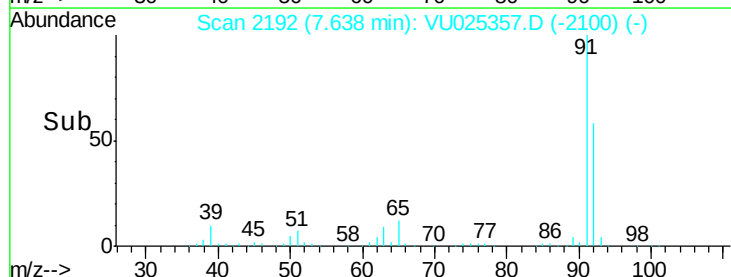
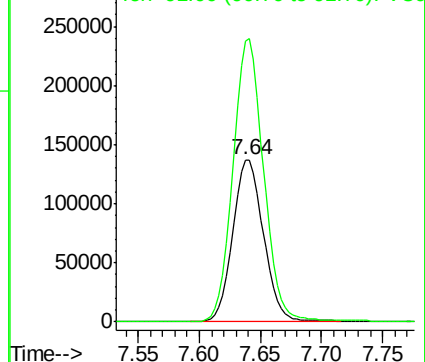
92 100

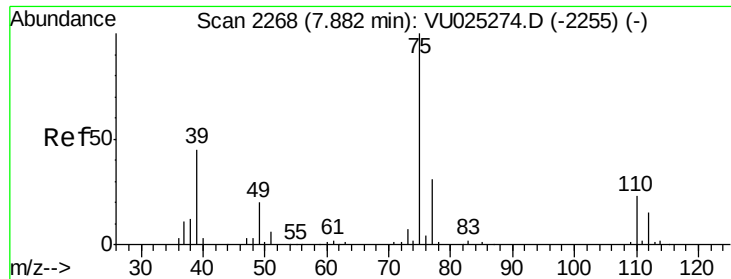
91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

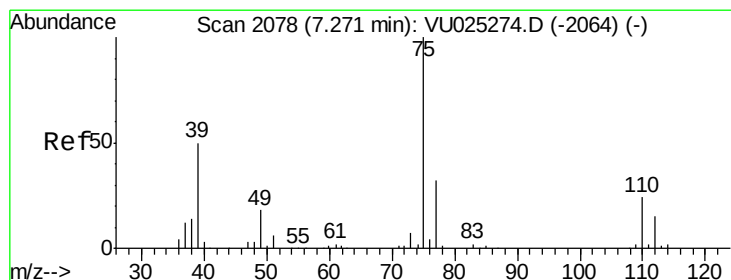
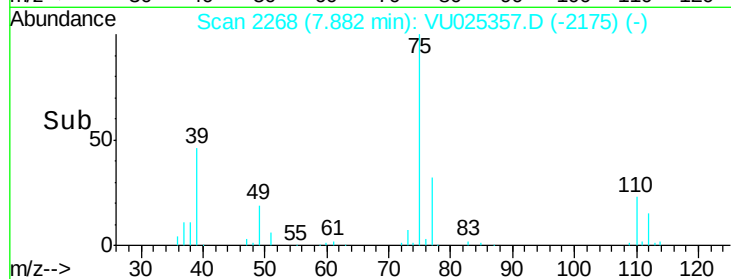
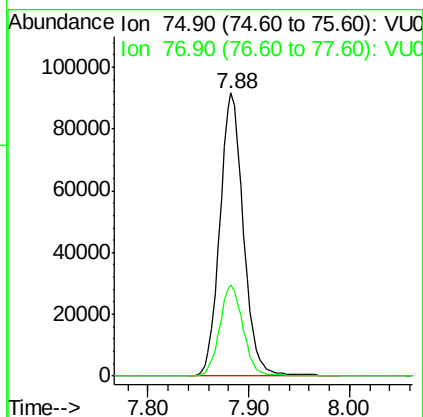
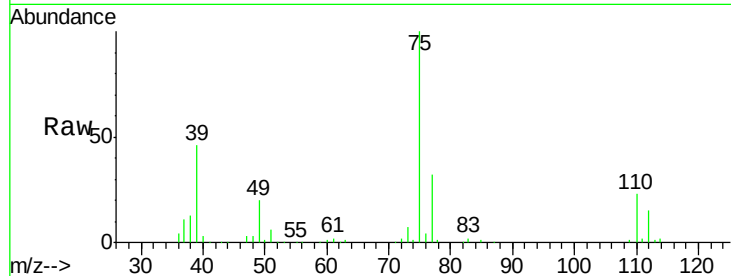




#53
t-1,3-Dichloropropene
Concen: 49.61 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

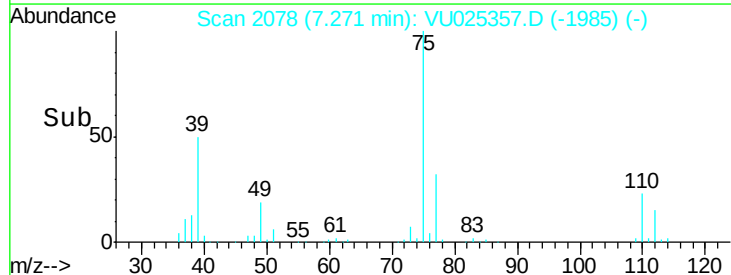
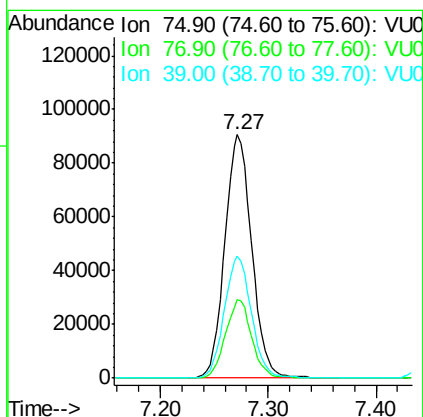
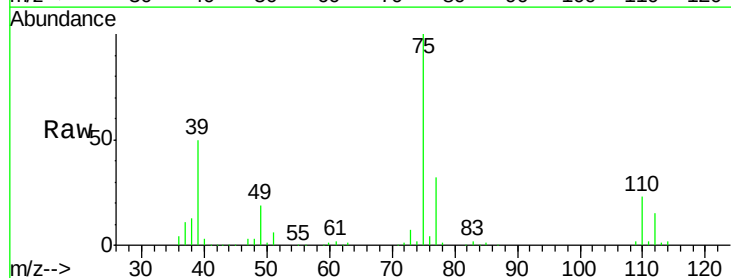
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

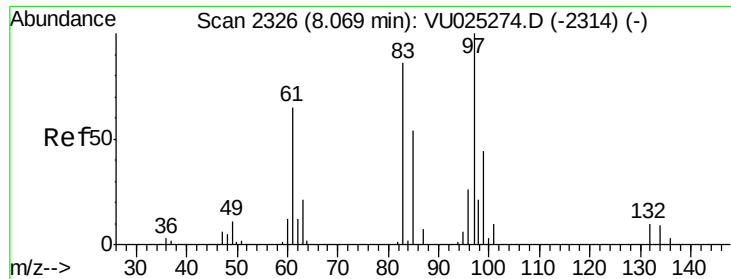
Tot Ion: 75 Resp: 149864
Ion Ratio Lower Upper
75 100
77 32.1 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 49.01 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 75 Resp: 157572
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 49.9 40.0 60.0

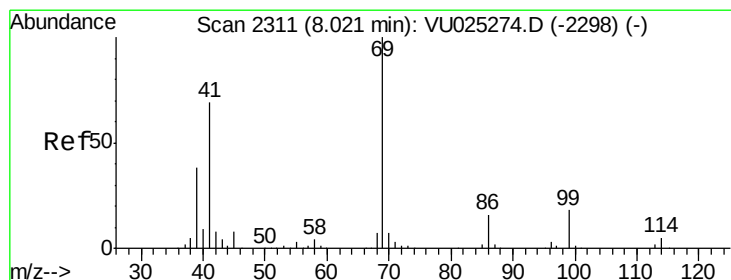
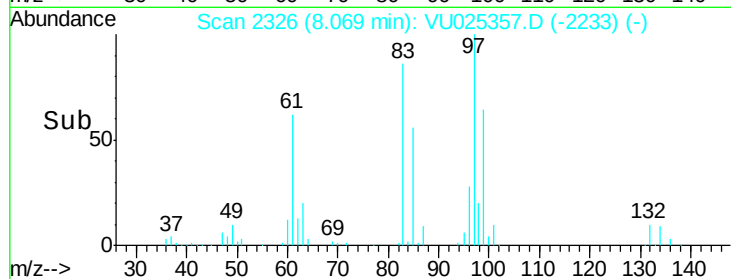
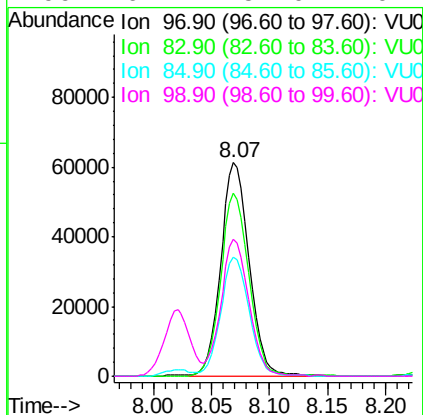
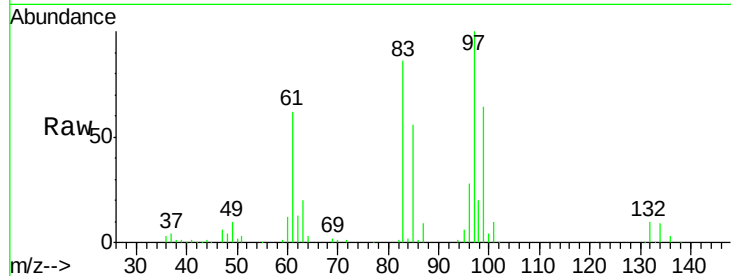




#55
 1,1,2-Trichloroethane
 Concen: 50.85 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

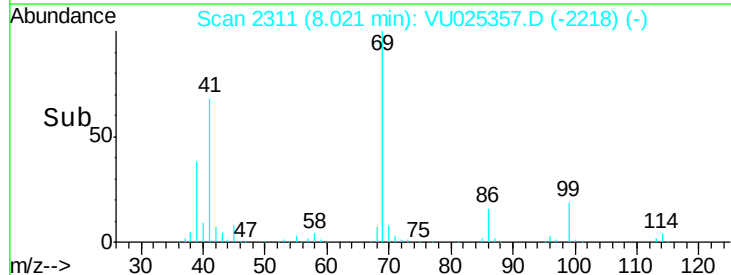
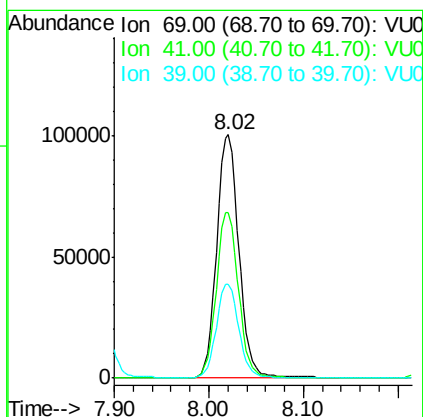
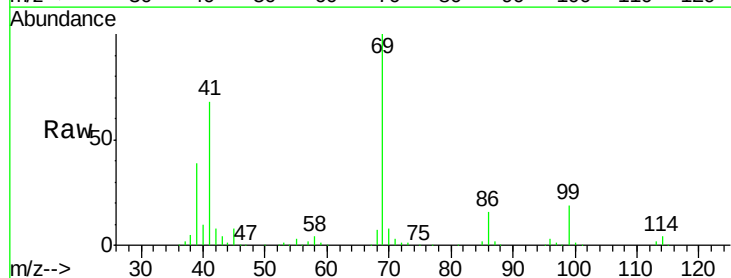
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

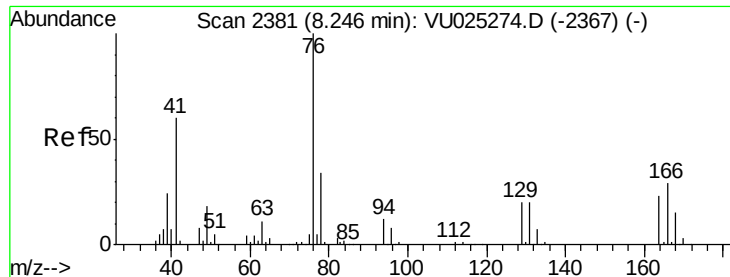
Tot Ion:	97	Resp:	104632
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.9	103.3
85	55.7	44.4	66.6
99	64.2	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 51.01 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion:	69	Resp:	163927
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.8	82.2
39	38.3	31.1	46.7

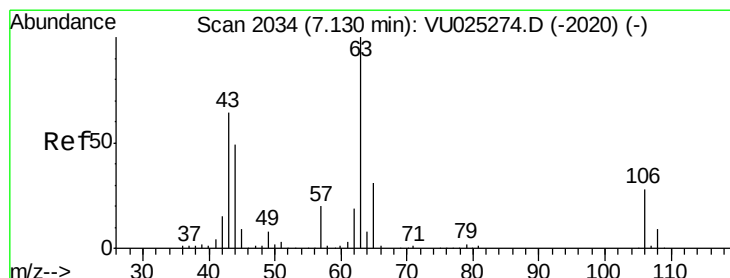
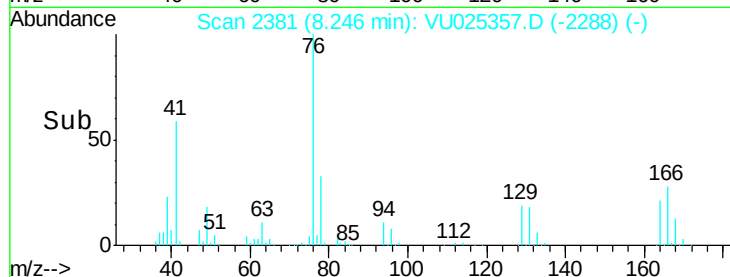
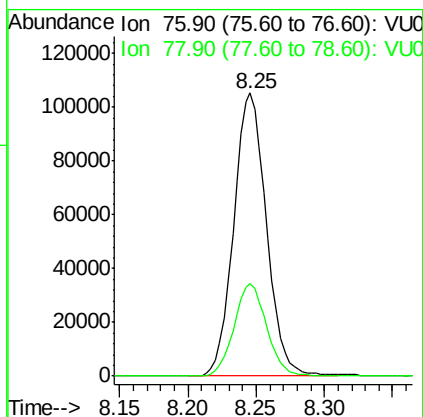
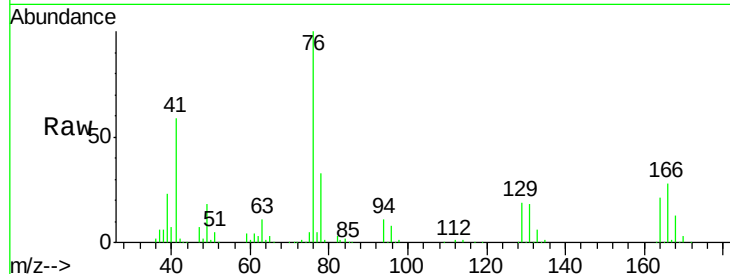




#57
 1,3-Dichloropropane
 Concen: 51.22 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

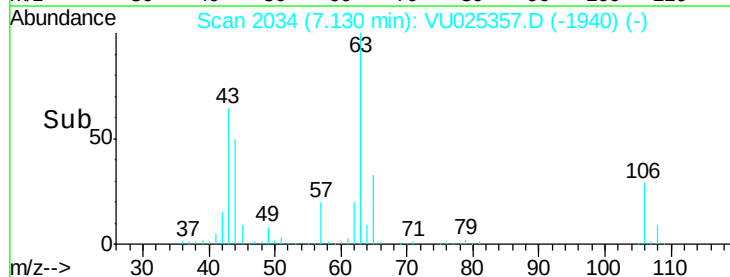
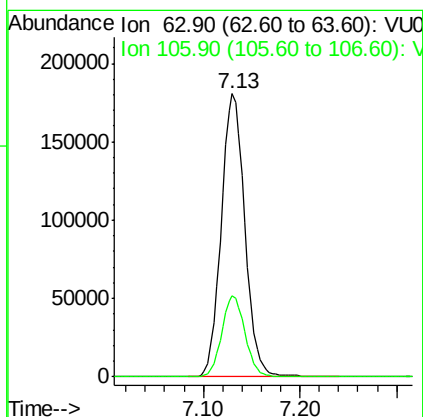
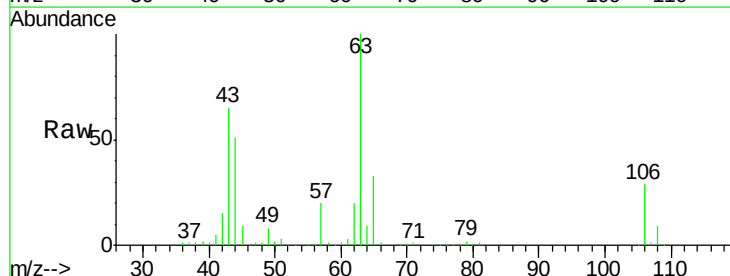
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

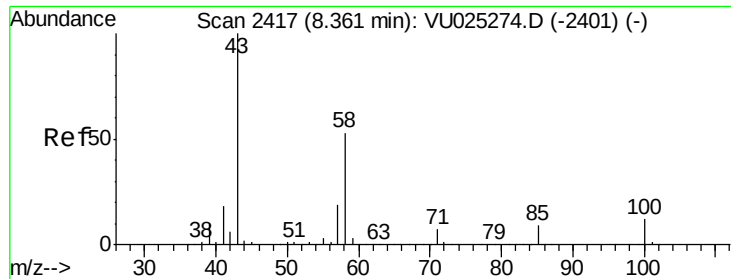
Tot Ion: 76 Resp: 174949
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.88 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 63 Resp: 306516
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5

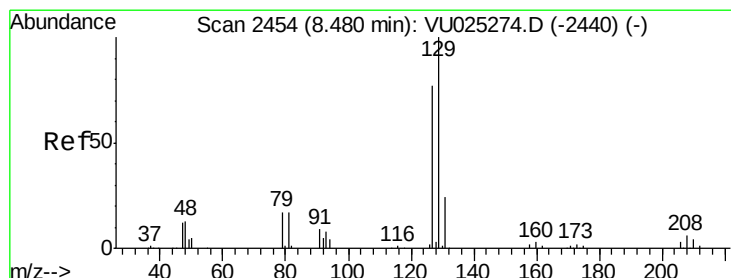
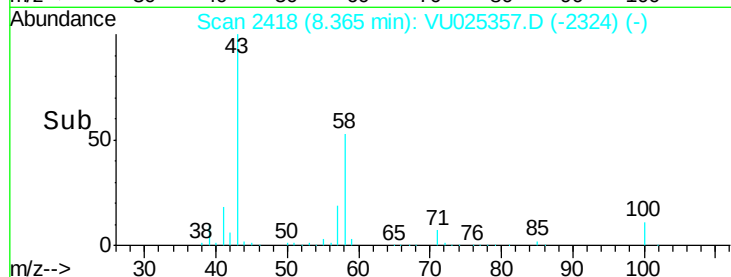
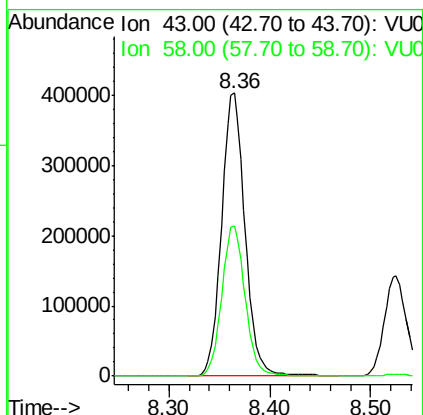
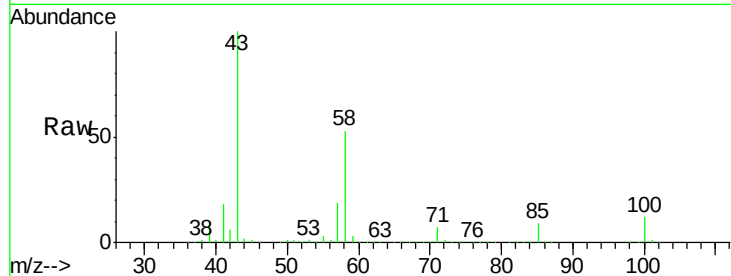




#59
2-Hexanone
Concen: 257.79 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

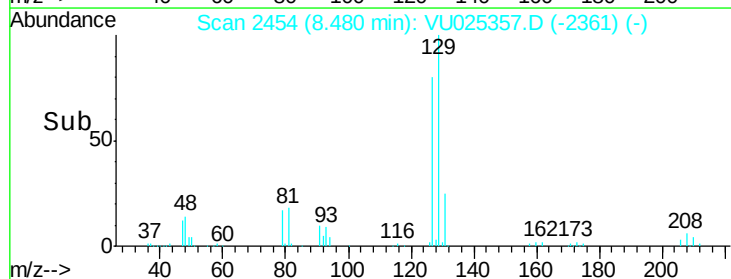
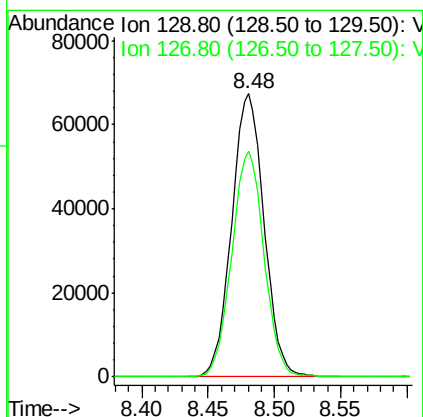
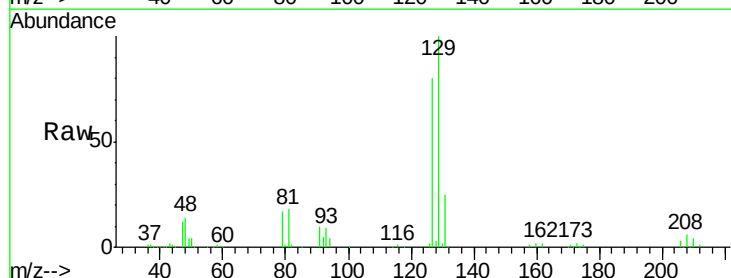
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

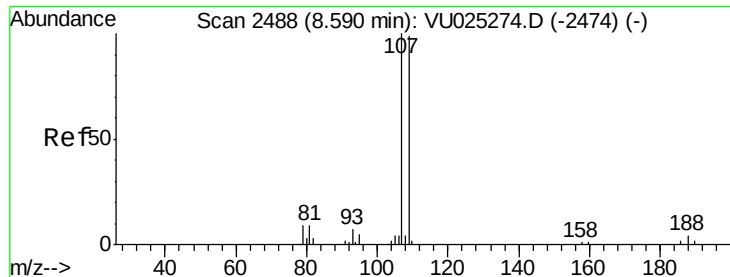
Tot Ion: 43 Resp: 654060
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5



#60
Dibromochloromethane
Concen: 51.52 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 129 Resp: 114489
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.25 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

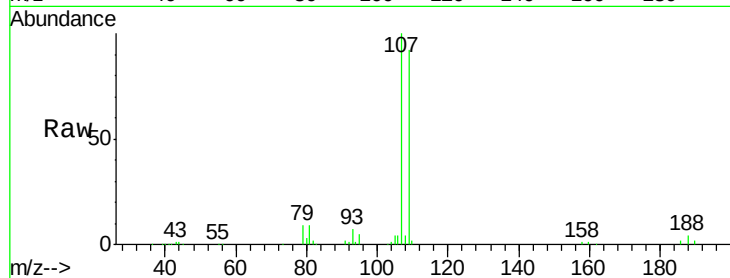
VSTDCCC050EC

Tot Ion:107 Resp: 115046

Ion Ratio Lower Upper

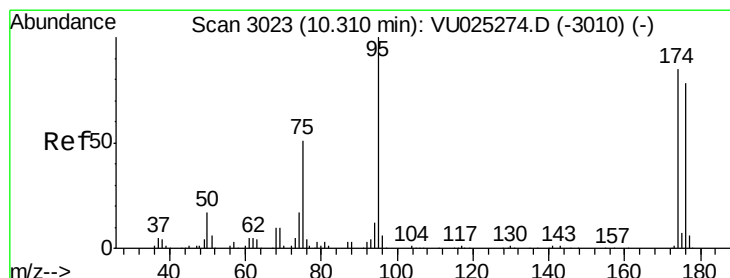
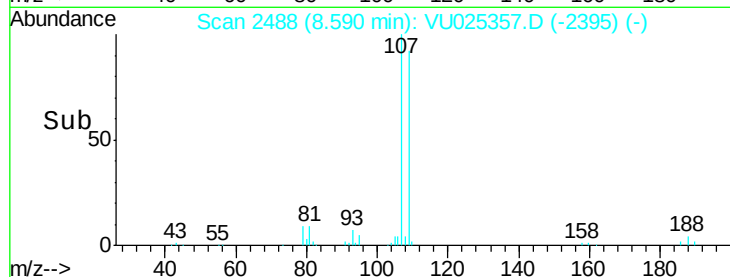
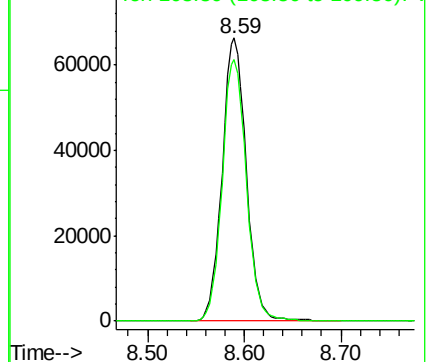
107 100

109 92.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.25 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

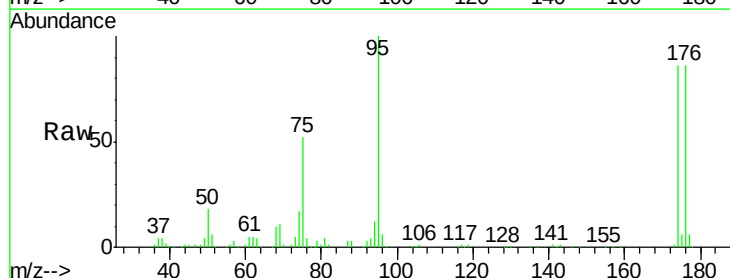
Tgt Ion: 95 Resp: 138834

Ion Ratio Lower Upper

95 100

174 85.8 0.0 172.2

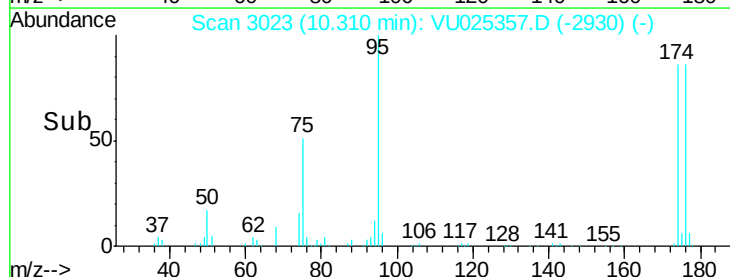
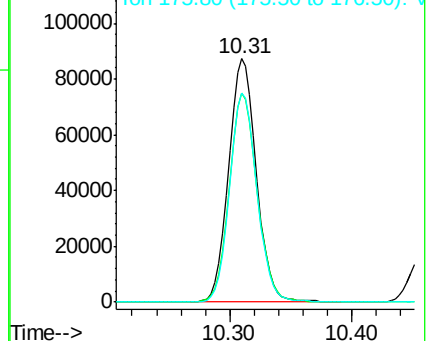
176 84.8 0.0 162.6

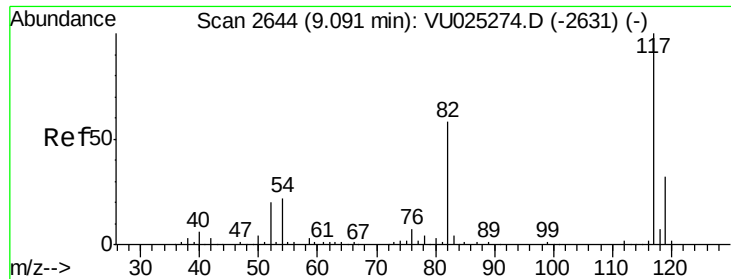


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

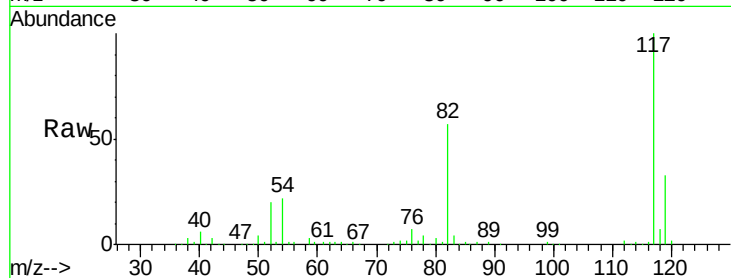




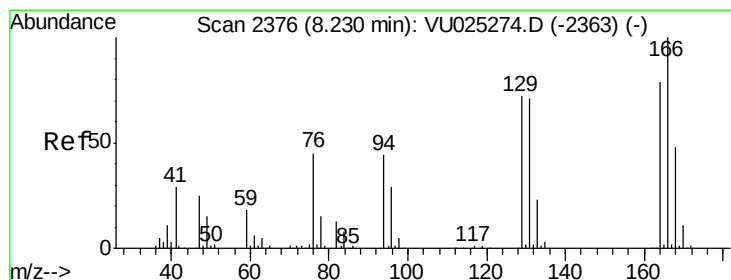
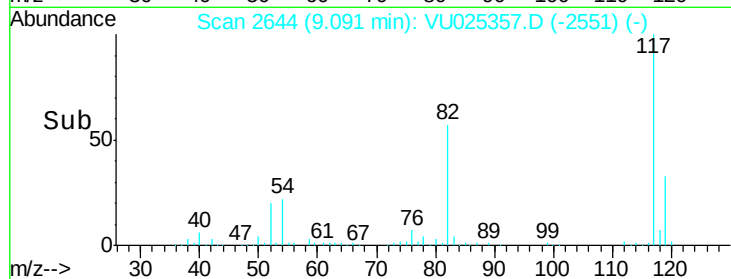
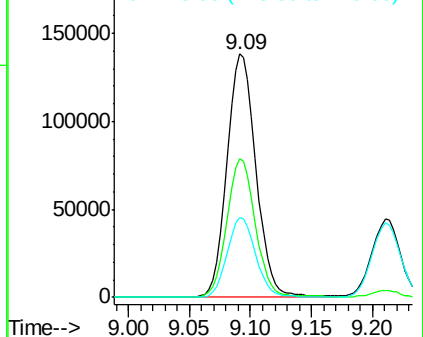
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 231341
Ion Ratio Lower Upper
117 100
82 56.9 46.0 69.0
119 32.8 26.0 39.0



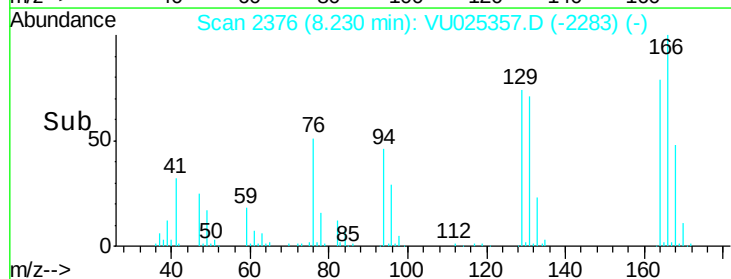
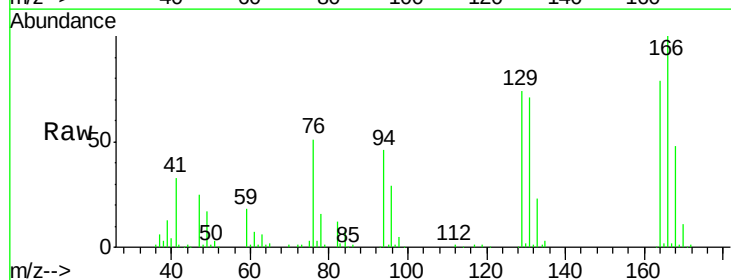
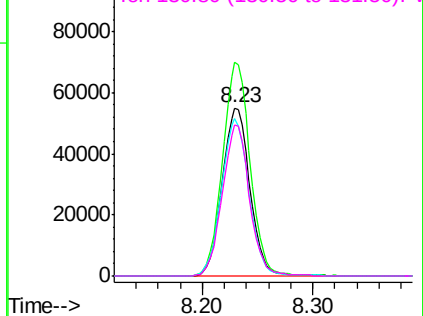
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)
Ion 118.90 (118.60 to 119.60): V

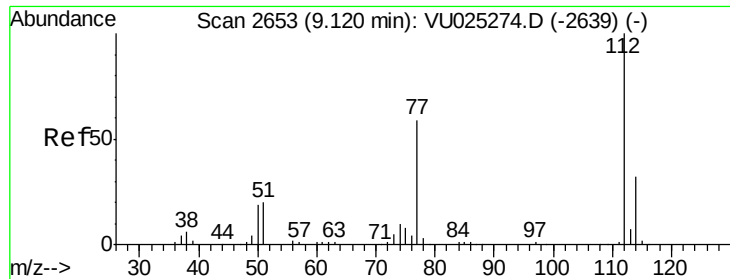


#64
Tetrachloroethene
Concen: 45.45 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion:164 Resp: 95844
Ion Ratio Lower Upper
164 100
166 127.1 101.1 151.7
129 93.5 73.0 109.6
131 90.0 72.1 108.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU025274.D (-2363) (-)
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

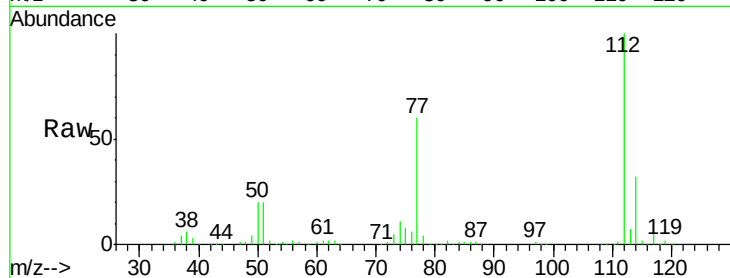




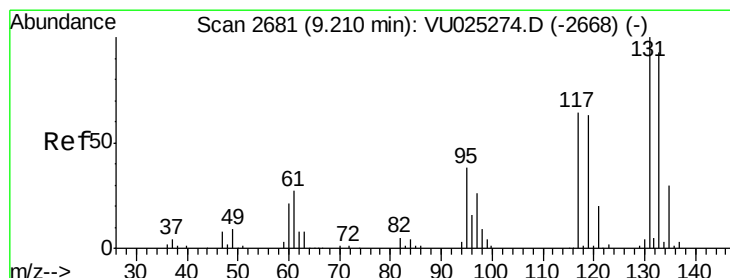
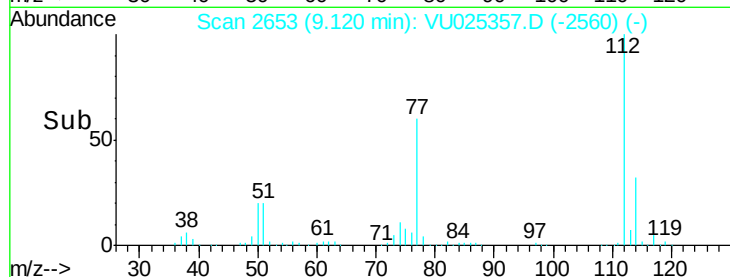
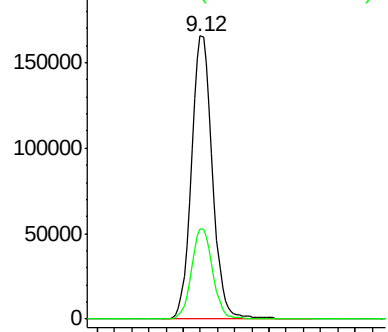
#65
Chlorobenzene
Concen: 48.66 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 281222
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

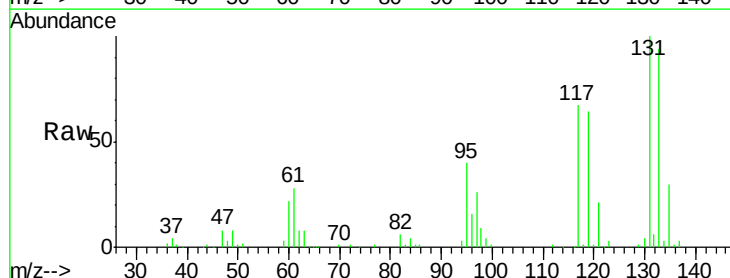


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

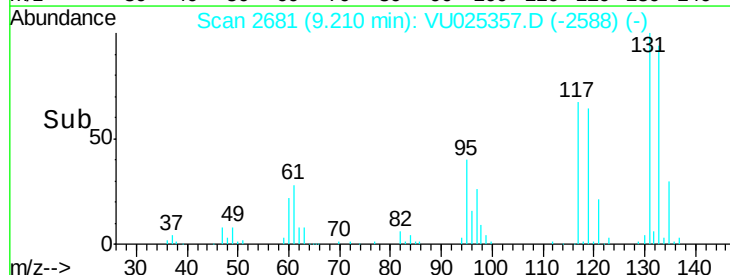
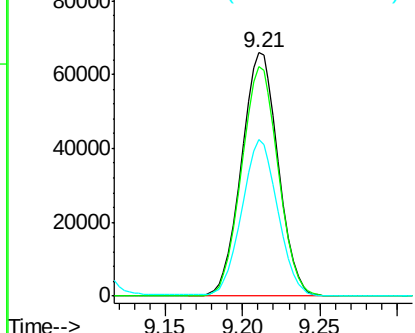


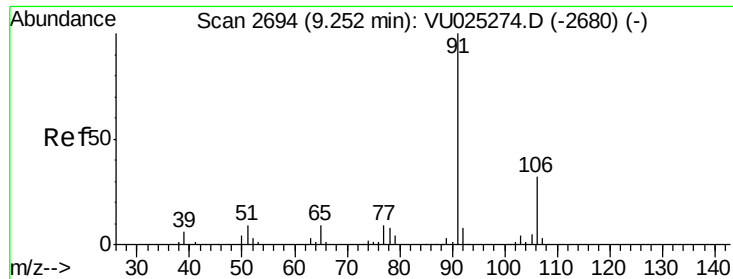
#66
1,1,1,2-Tetrachloroethane
Concen: 52.64 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion:131 Resp: 108812
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 63.2 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

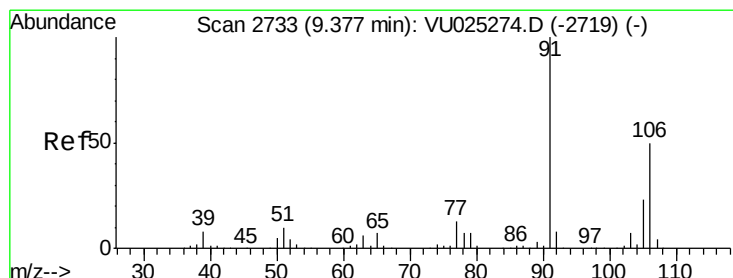
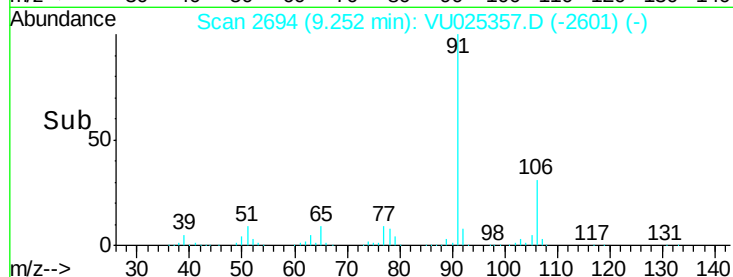
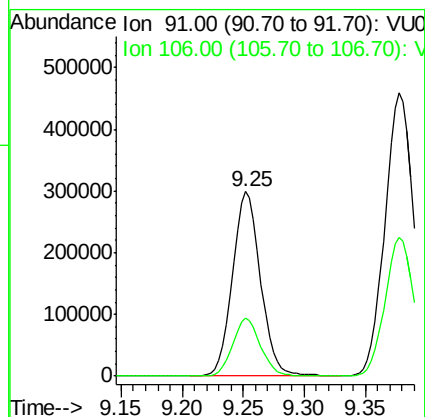
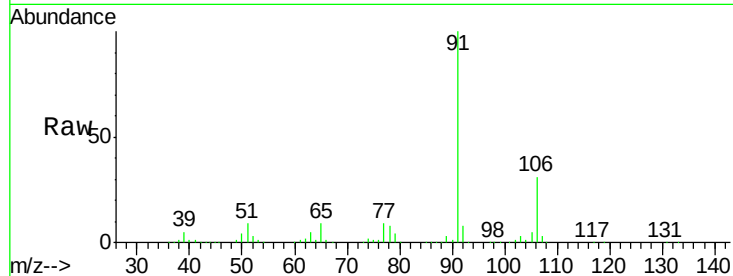




#67
Ethyl Benzene
Concen: 48.81 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

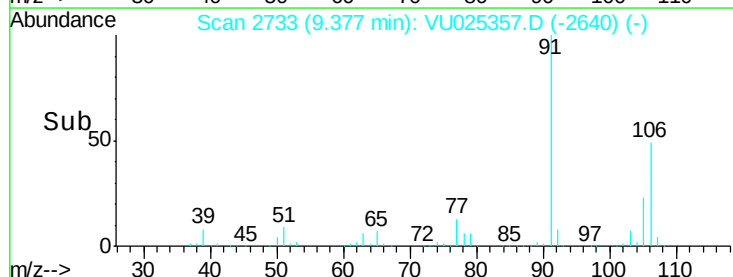
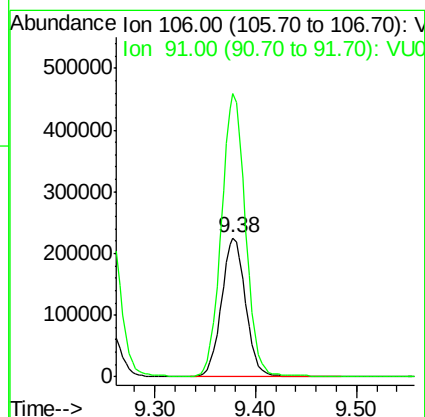
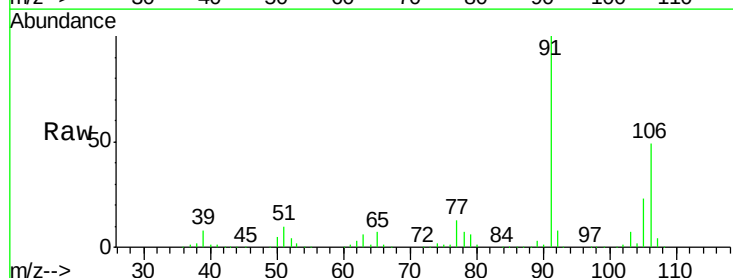
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

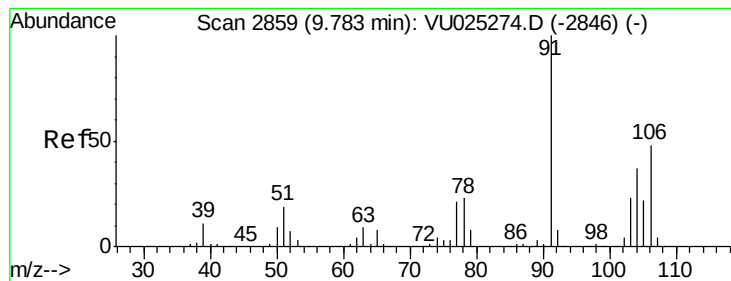
Tot Ion: 91 Resp: 480863
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9



#68
m/p-Xylenes
Concen: 98.67 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 106 Resp: 375830
Ion Ratio Lower Upper
106 100
91 203.6 162.3 243.5





#69

o-Xylene

Concen: 48.91 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

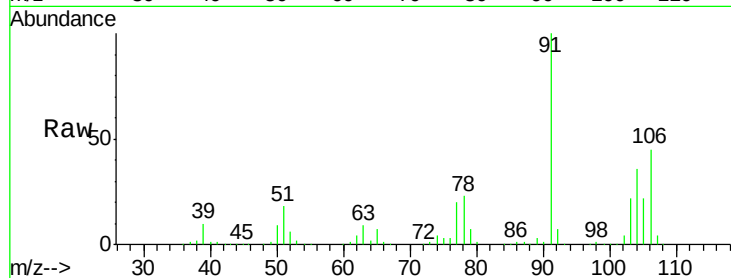
VSTDCCC050EC

Tot Ion:106 Resp: 186528

Ion Ratio Lower Upper

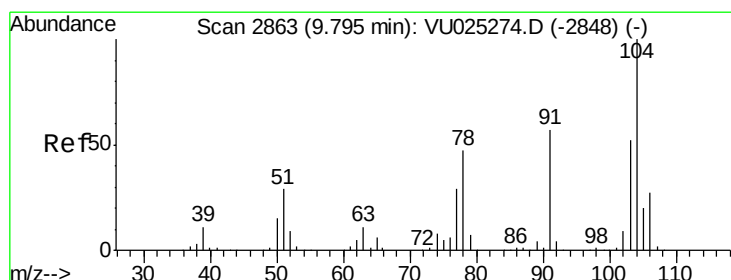
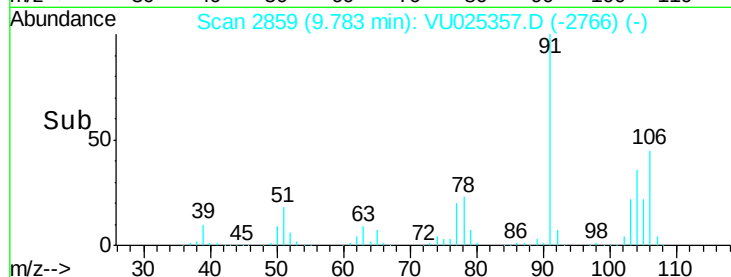
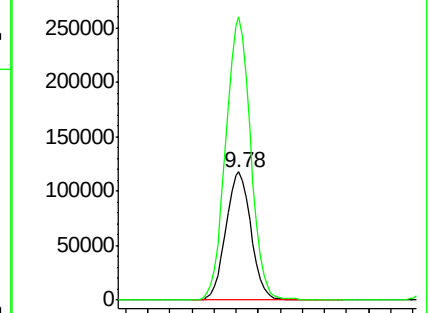
106 100

91 219.0 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#70

Styrene

Concen: 50.94 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

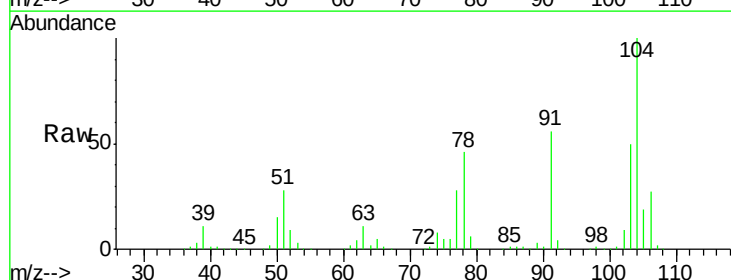
Tgt Ion:104 Resp: 308559

Ion Ratio Lower Upper

104 100

78 51.6 41.6 62.4

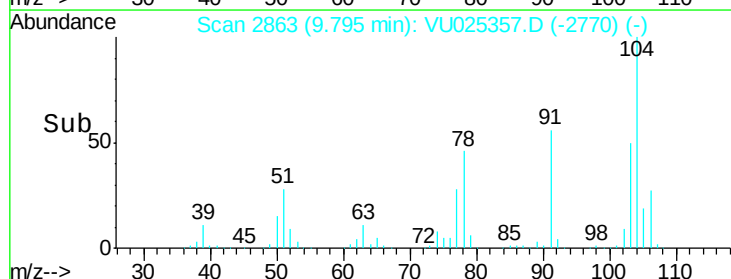
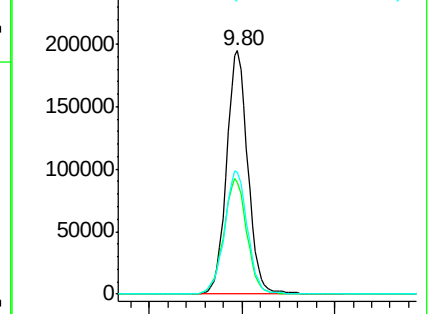
103 54.7 44.6 66.8

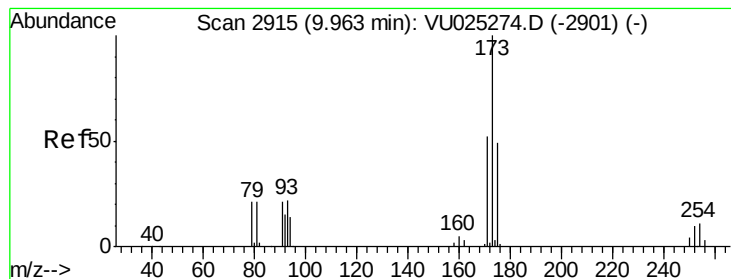


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.50 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

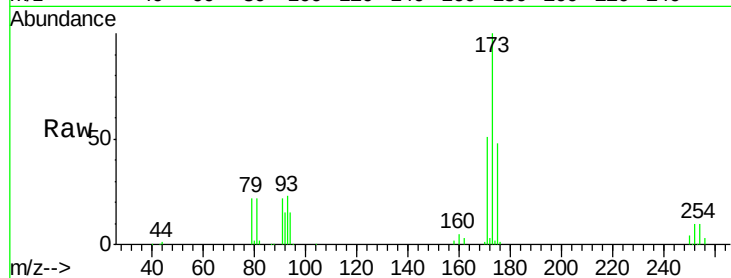
Tot Ion:173 Resp: 90032

Ion Ratio Lower Upper

173 100

175 49.9 24.0 72.0

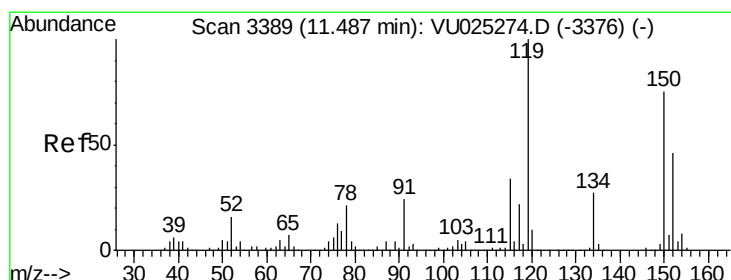
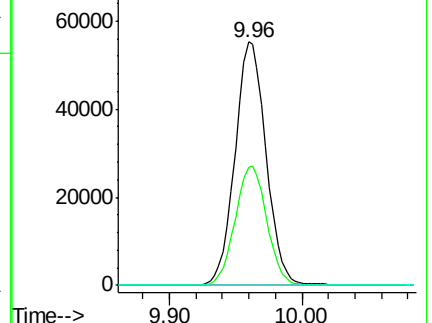
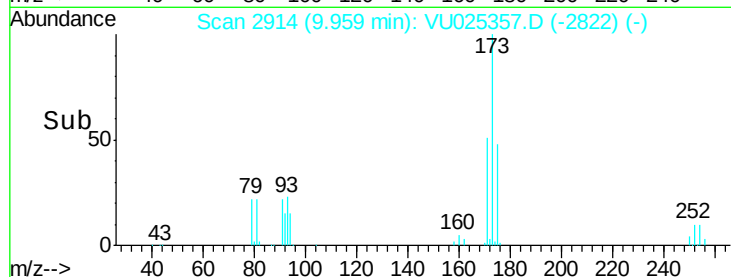
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

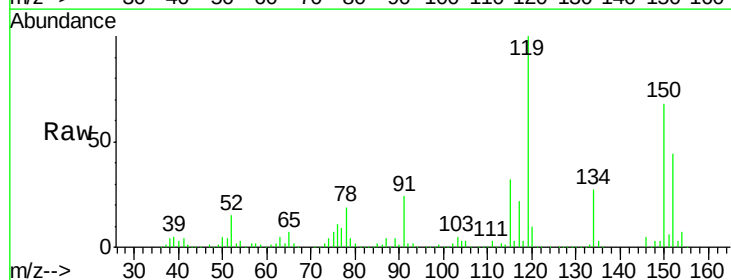
Tgt Ion:152 Resp: 142340

Ion Ratio Lower Upper

152 100

115 81.9 40.1 120.3

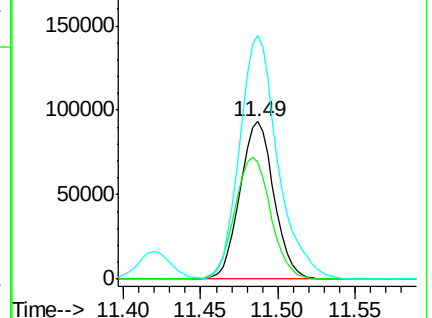
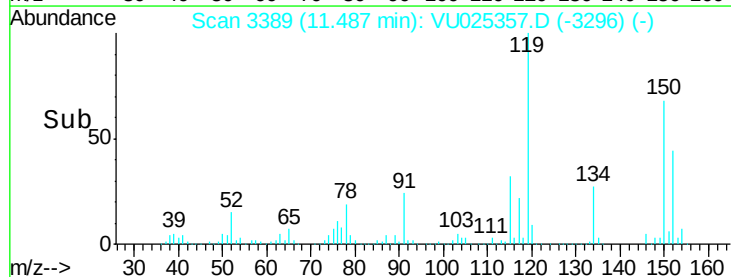
150 173.5 0.0 351.4

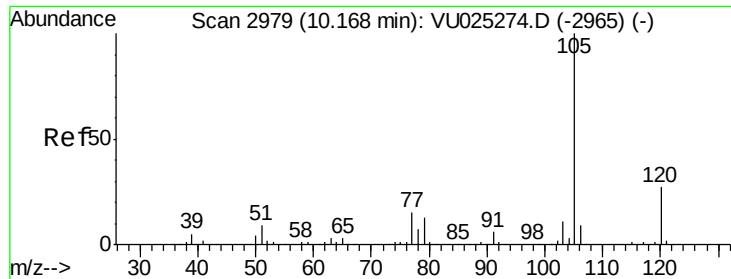


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.66 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

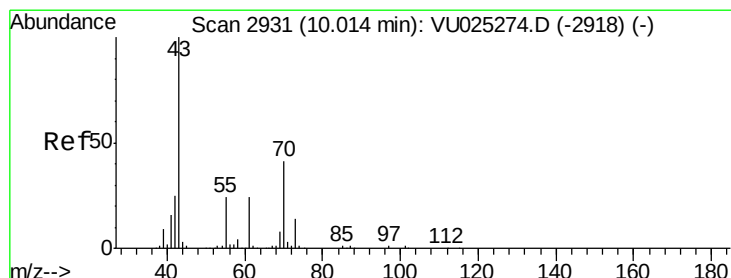
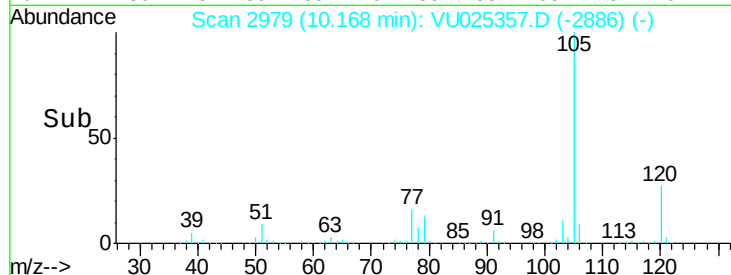
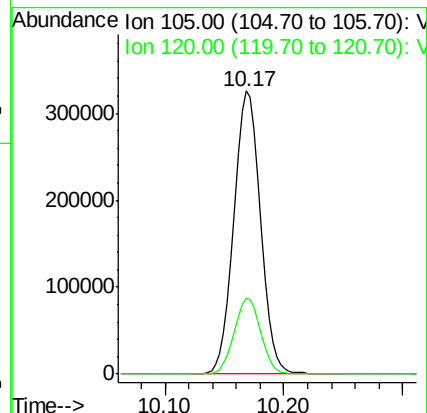
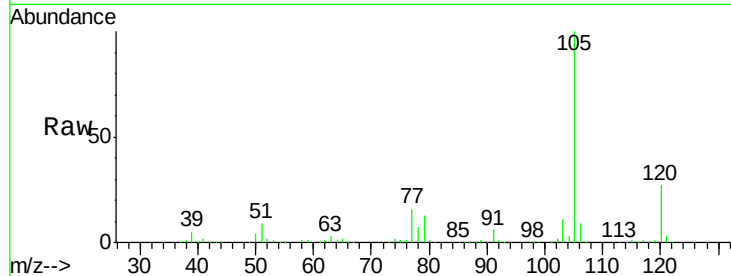
VSTDCCC050EC

Tot Ion:105 Resp: 507496

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



#74

N-ethyl acetate

Concen: 50.96 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion: 43 Resp: 226943

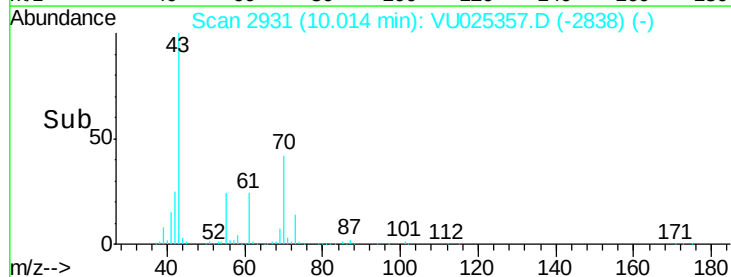
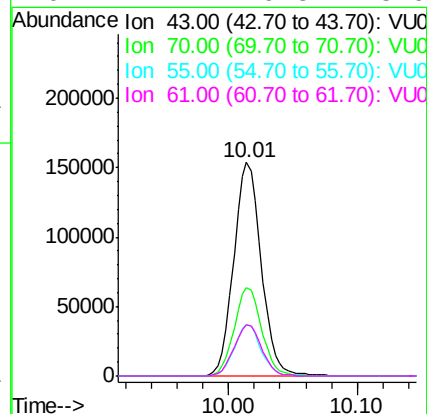
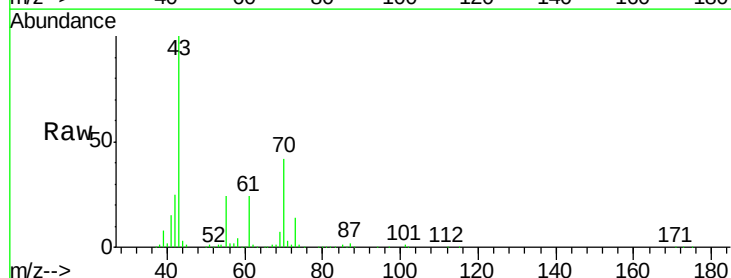
Ion Ratio Lower Upper

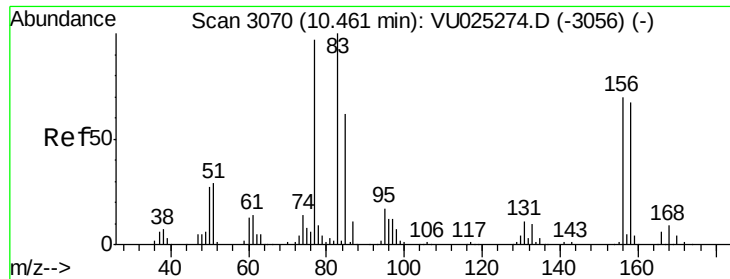
43 100

70 41.7 33.4 50.2

55 23.7 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.19 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

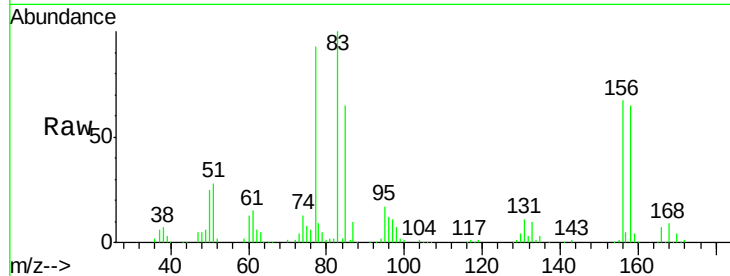
Tot Ion: 83 Resp: 178565

Ion Ratio Lower Upper

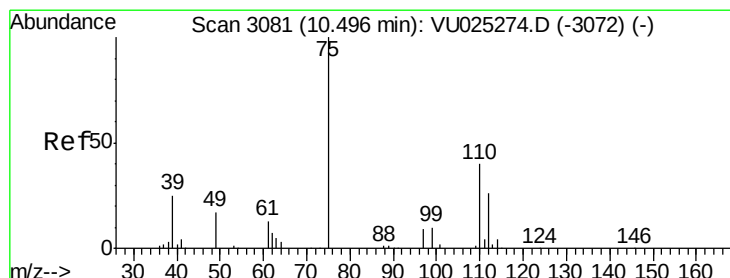
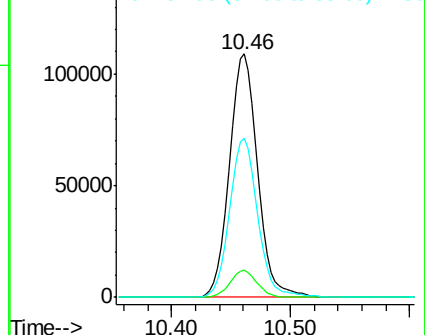
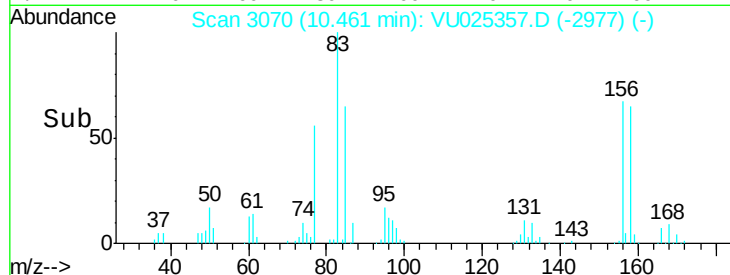
83 100

131 10.6 5.5 16.4

85 65.4 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025357.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 69.47 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025357.D

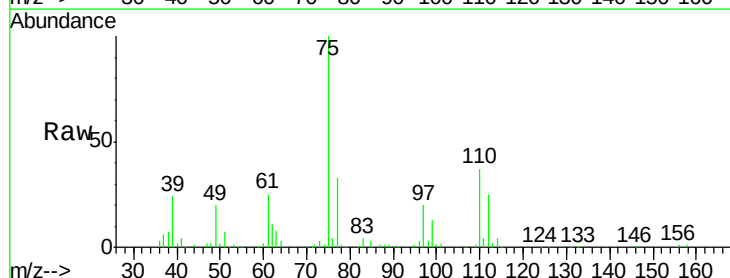
Acq: 12 Jul 2018 22:23

Tgt Ion: 75 Resp: 205264

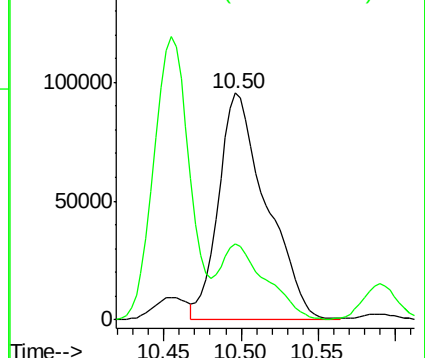
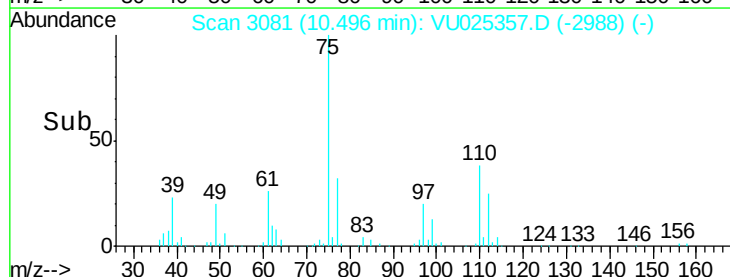
Ion Ratio Lower Upper

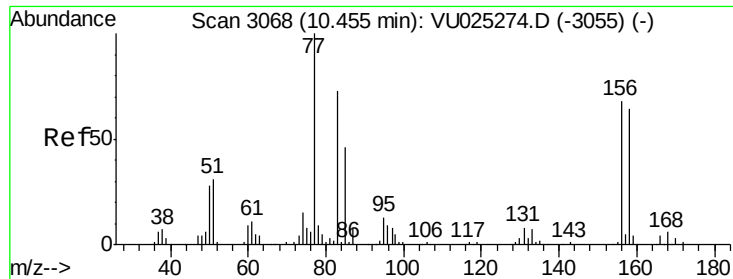
75 100

77 32.3 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025357.D (-2988) (-)





#77

Bromobenzene

Concen: 47.66 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

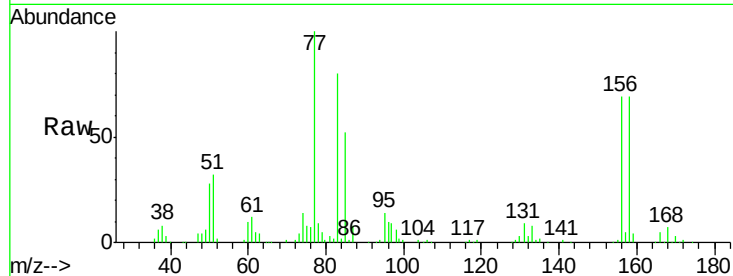
Tot Ion:156 Resp: 132602

Ion Ratio Lower Upper

156 100

77 144.7 73.8 221.4

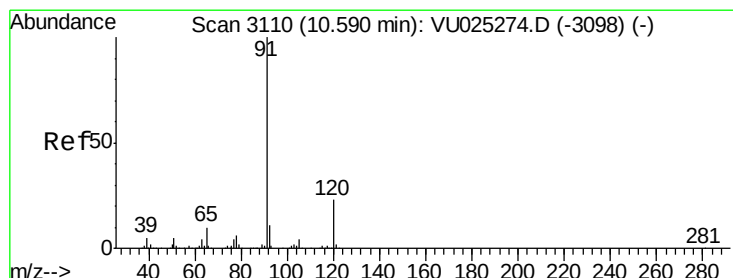
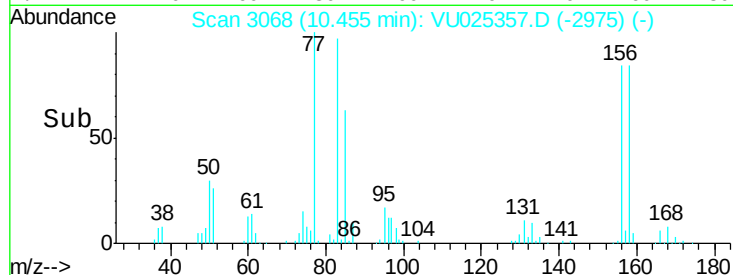
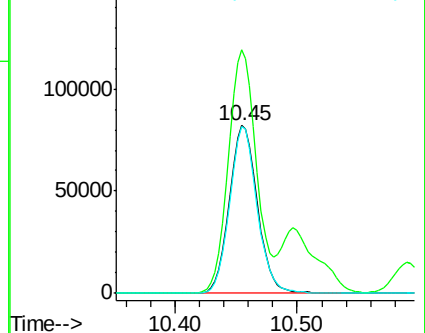
158 97.1 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.64 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025357.D

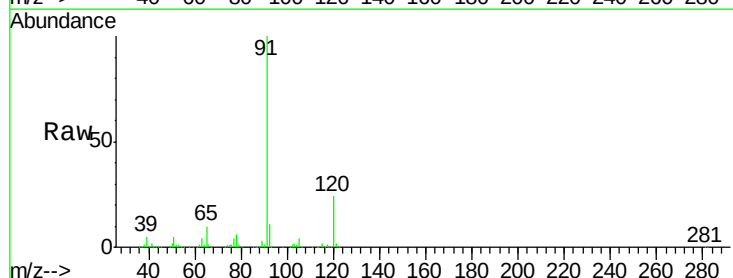
Acq: 12 Jul 2018 22:23

Tgt Ion: 91 Resp: 574893

Ion Ratio Lower Upper

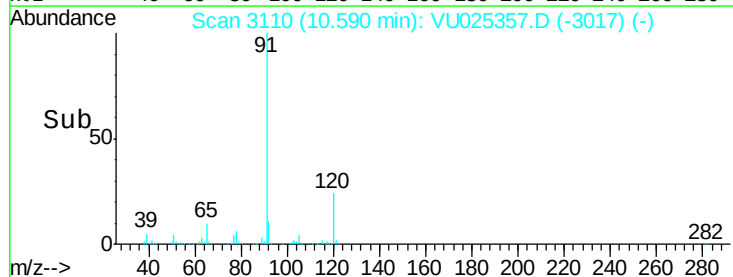
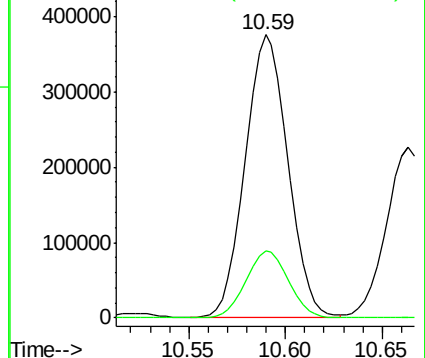
91 100

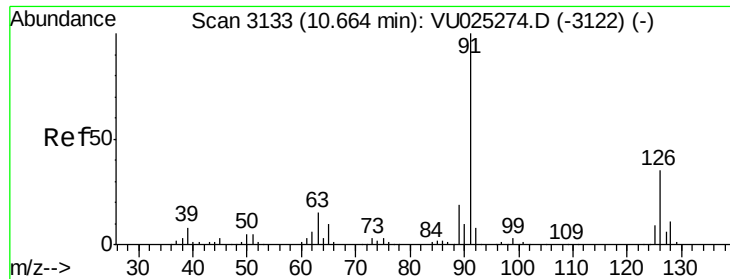
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

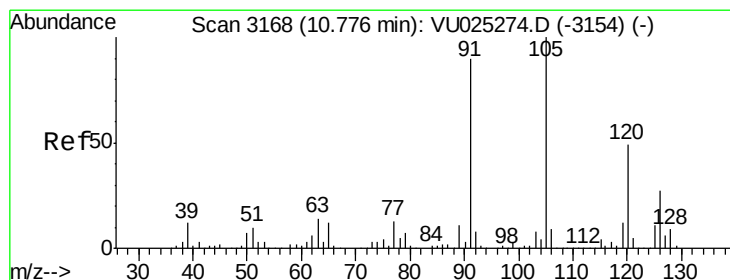
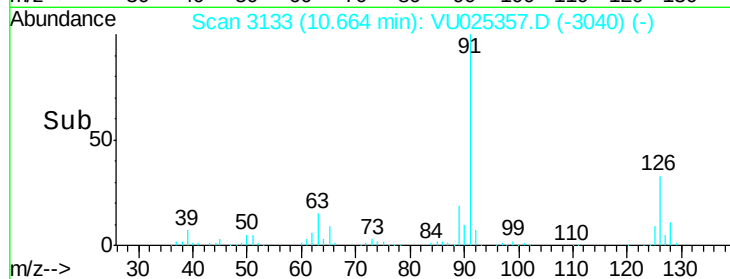
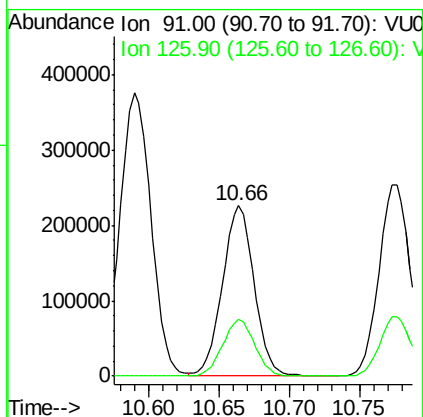
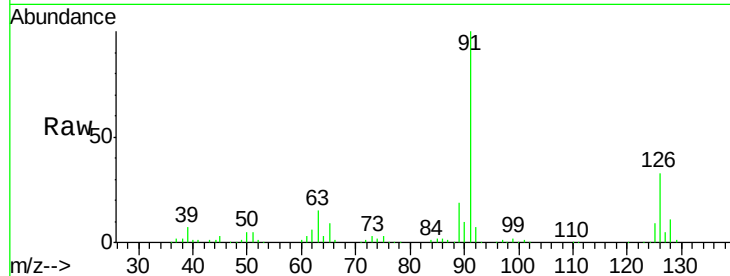




#79
 2-Chlorotoluene
 Concen: 51.09 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

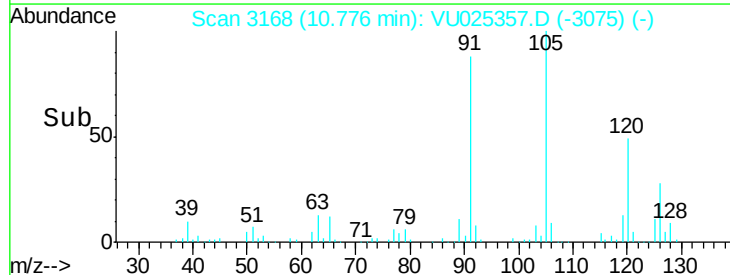
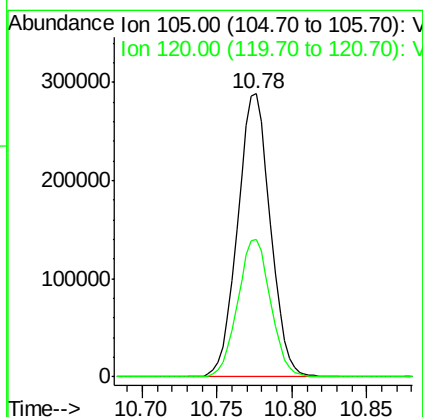
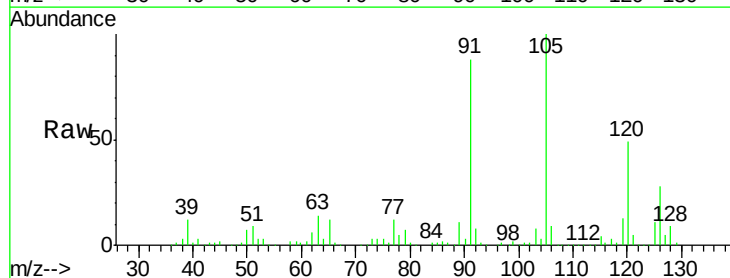
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

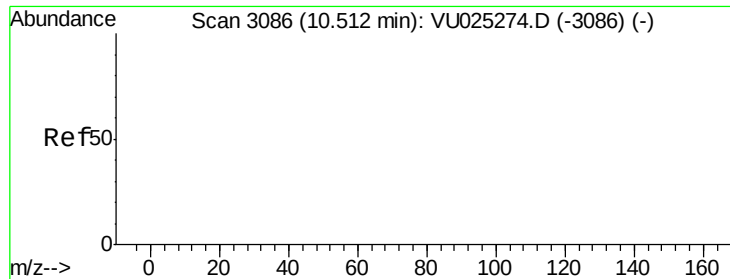
Tot Ion: 91 Resp: 354073
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.00 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 105 Resp: 439293
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2

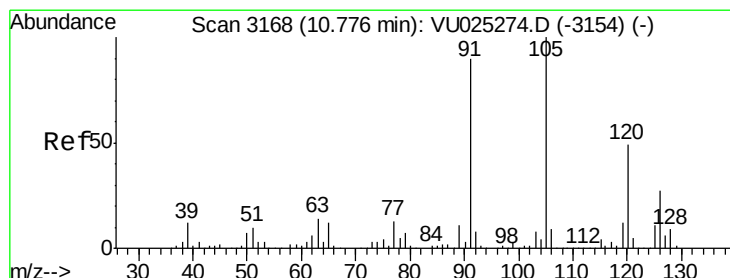
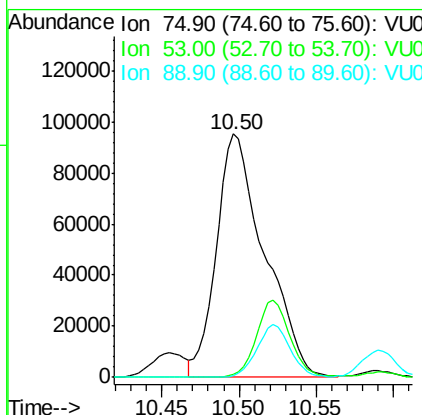
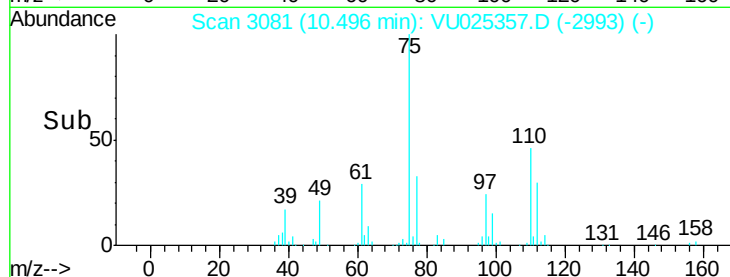
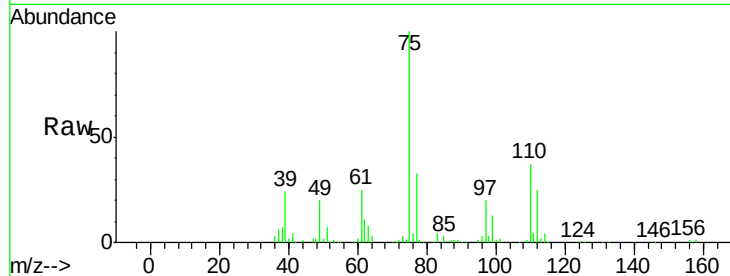




#81
trans-1,4-Dichloro-2-butene
Concen: 181.01 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

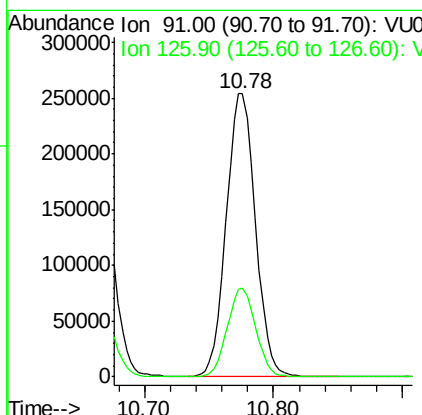
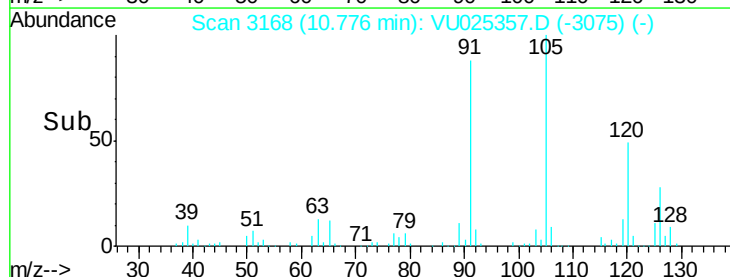
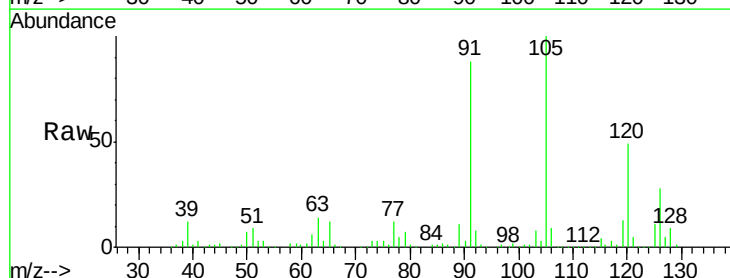
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

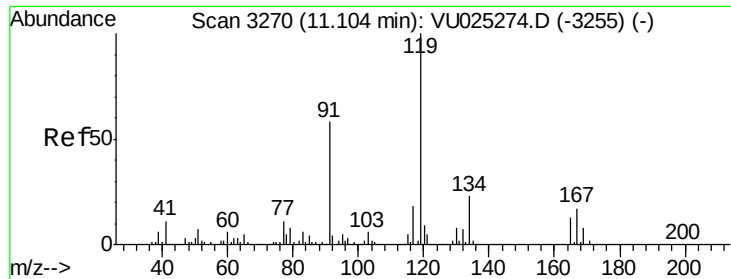
Tot Ion: 75 Resp: 205264
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 46.50 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 91 Resp: 397371
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.9

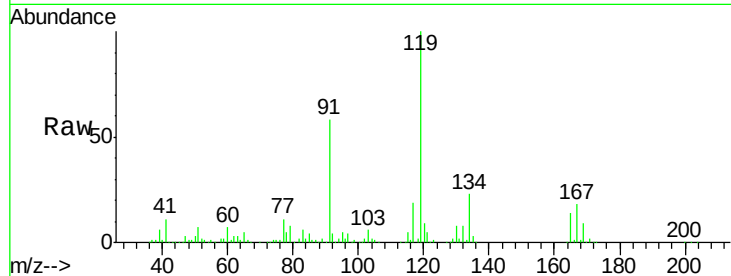




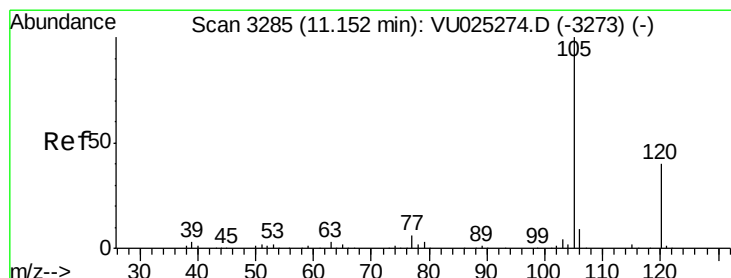
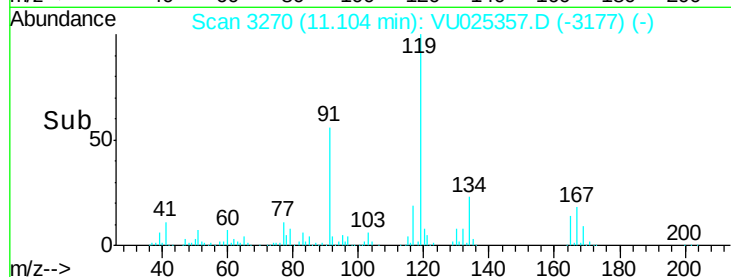
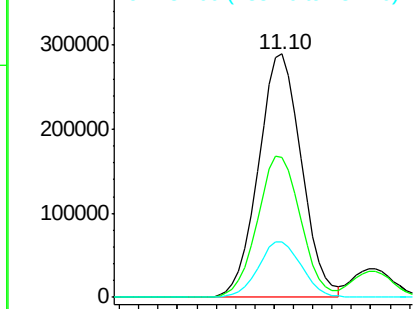
#83
 tert-Butylbenzene
 Concen: 48.42 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 447738
 Ion Ratio Lower Upper
 119 100
 91 58.2 29.7 89.1
 134 23.0 11.5 34.5

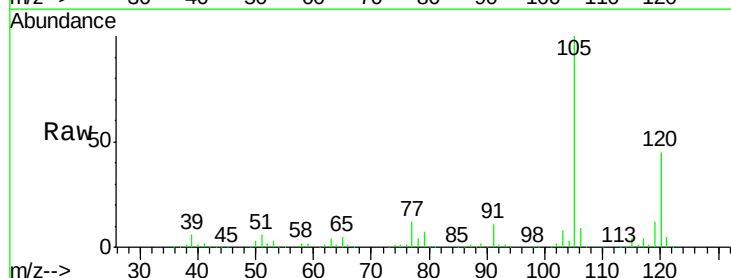


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

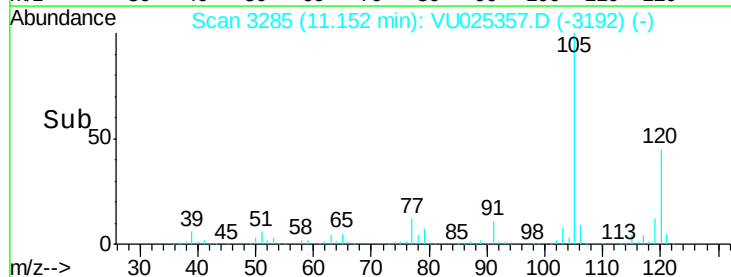
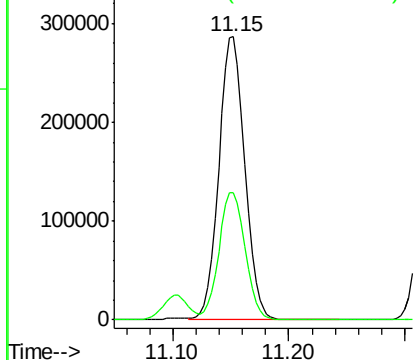


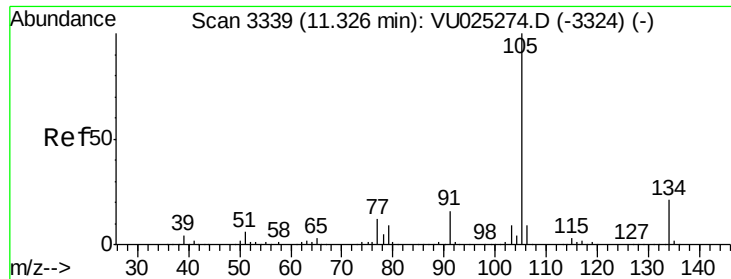
#84
 1,2,4-Trimethylbenzene
 Concen: 47.23 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion:105 Resp: 442925
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

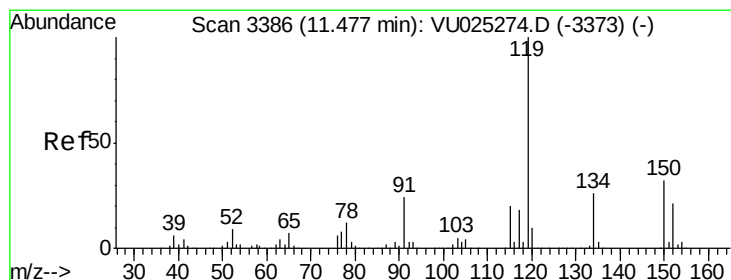
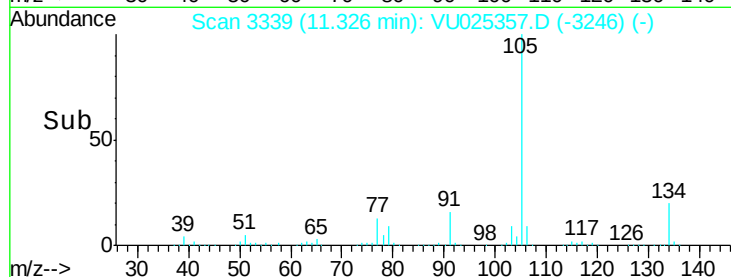
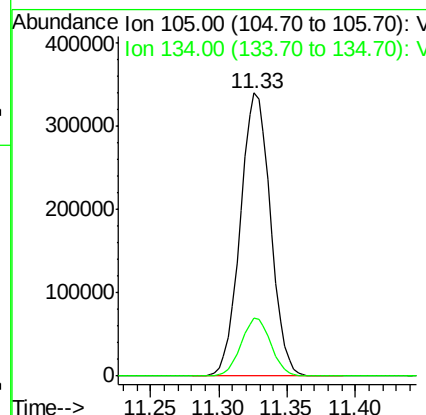
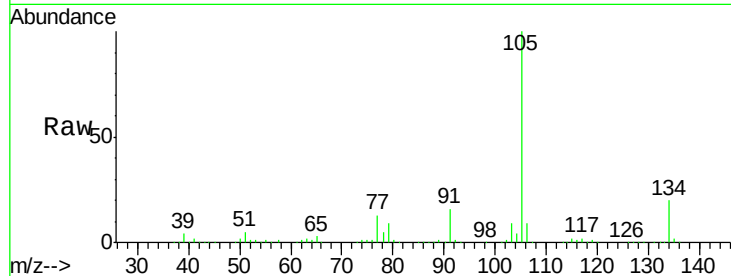




#85
 sec-Butylbenzene
 Concen: 48.03 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

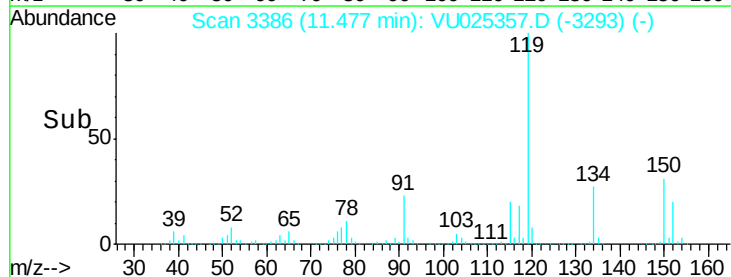
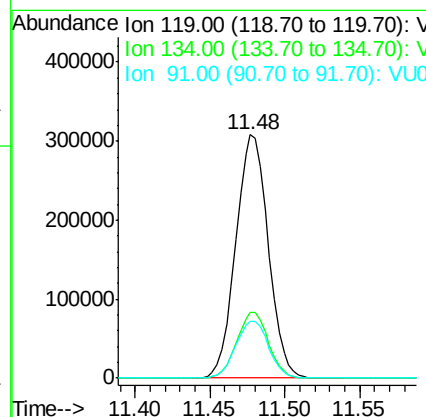
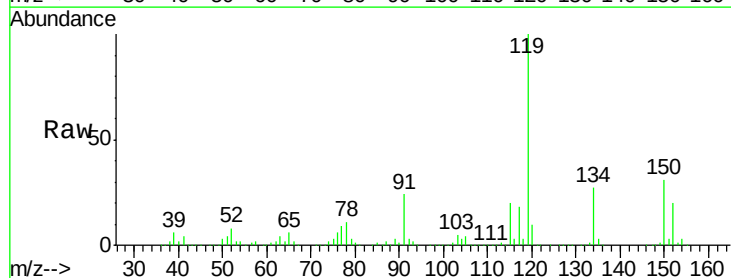
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

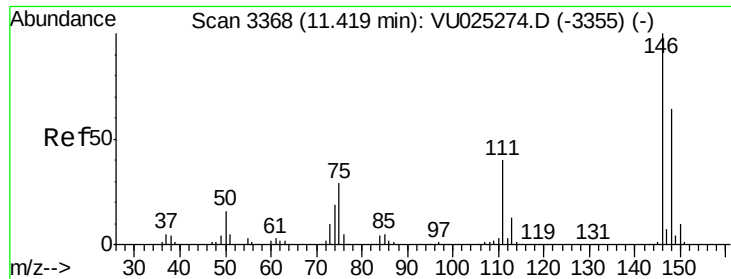
Tot Ion:105 Resp: 522919
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 48.11 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion:119 Resp: 463868
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 23.9 12.0 36.1

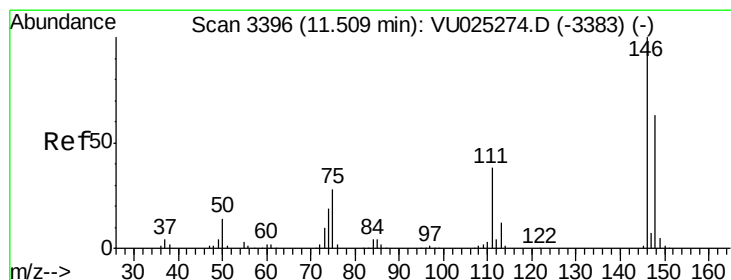
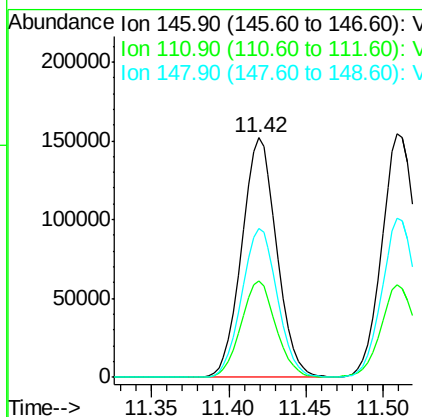
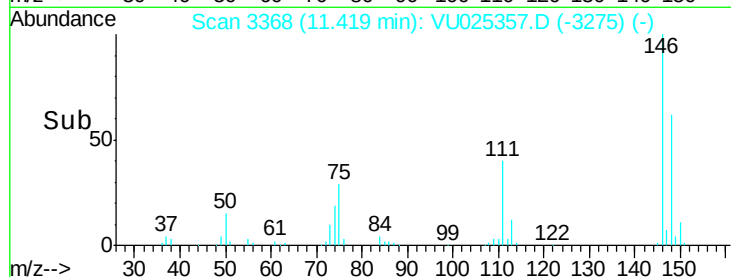
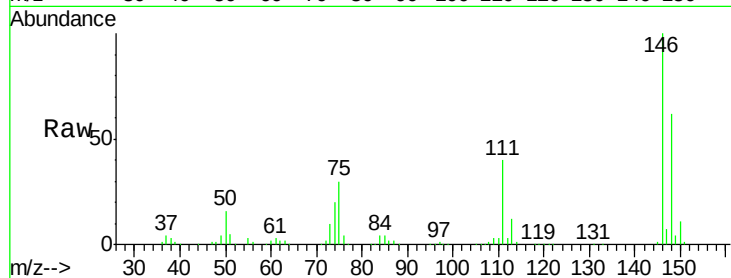




#87
 1,3-Dichlorobenzene
 Concen: 46.93 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

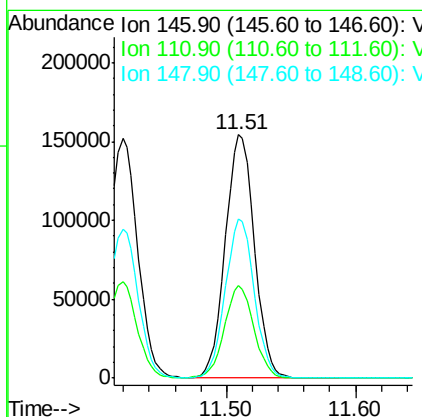
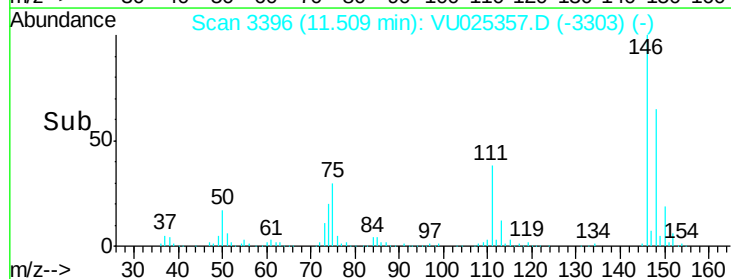
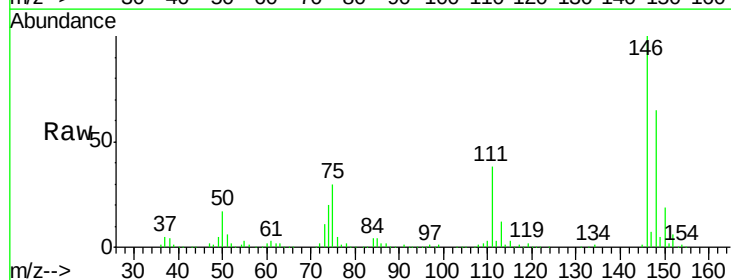
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

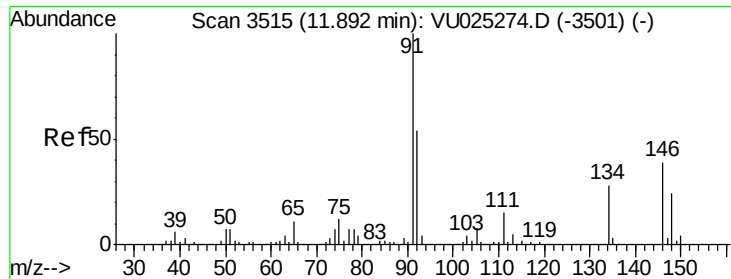
Tot Ion:146 Resp: 238633
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.7 59.1
 148 63.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.58 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion:146 Resp: 241080
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 65.2 31.7 95.1

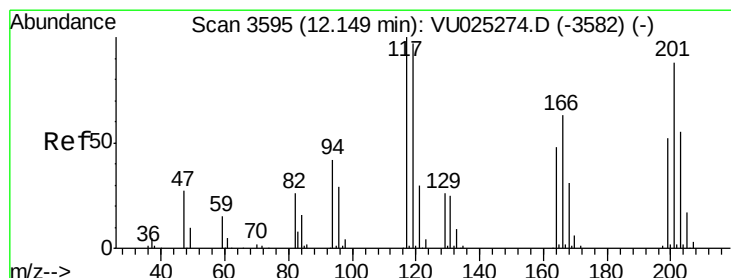
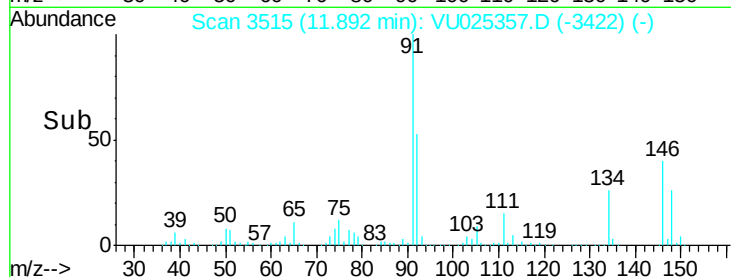
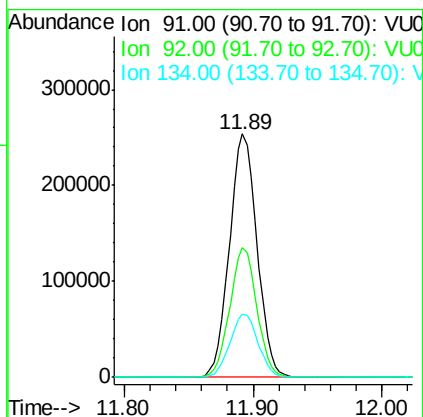
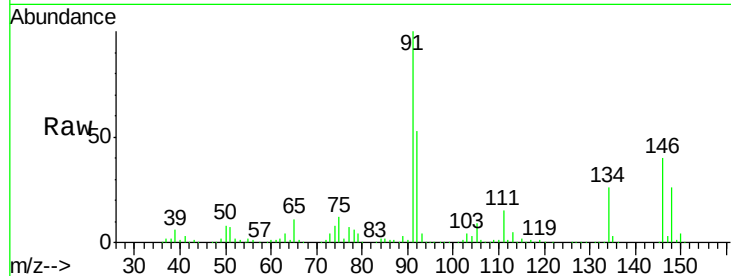




#89
n-Butylbenzene
Concen: 47.48 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

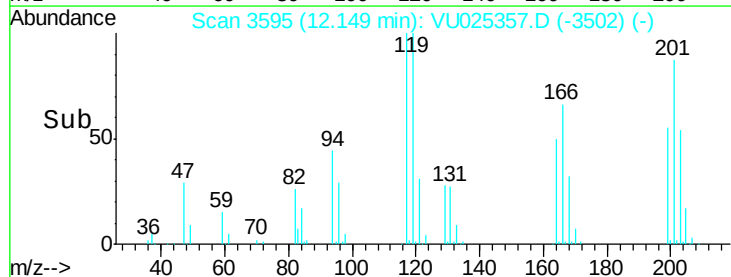
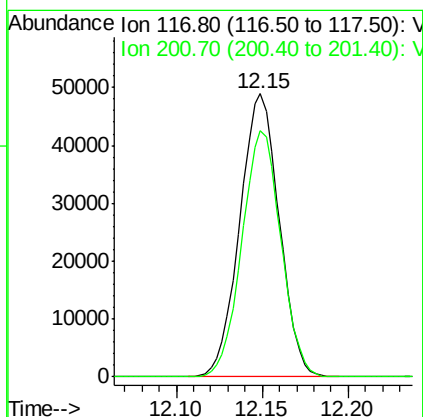
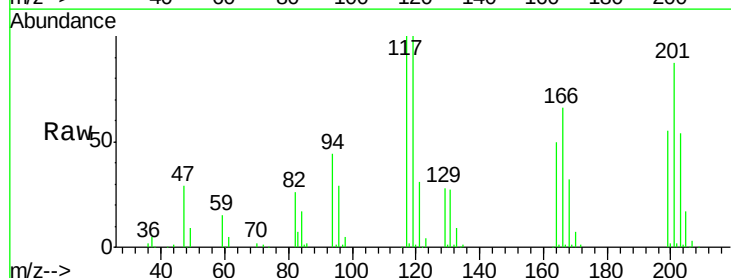
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

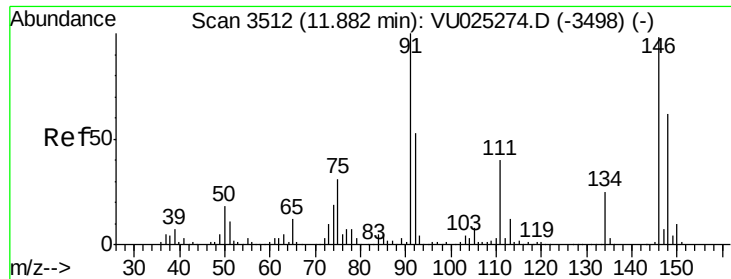
Tot Ion: 91 Resp: 376279
Ion Ratio Lower Upper
91 100
92 52.1 26.5 79.5
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 47.63 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 117 Resp: 77754
Ion Ratio Lower Upper
117 100
201 85.9 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 48.97 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

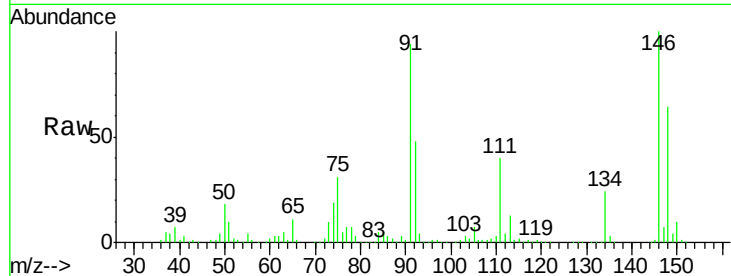
Tot Ion:146 Resp: 251484

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

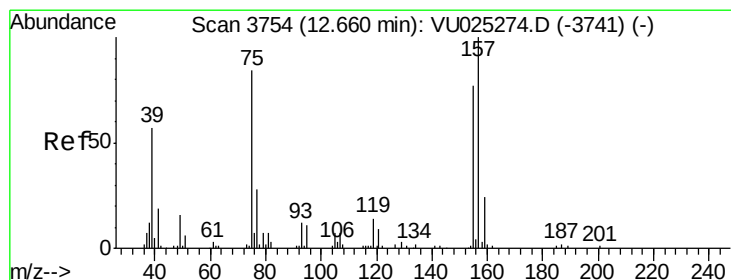
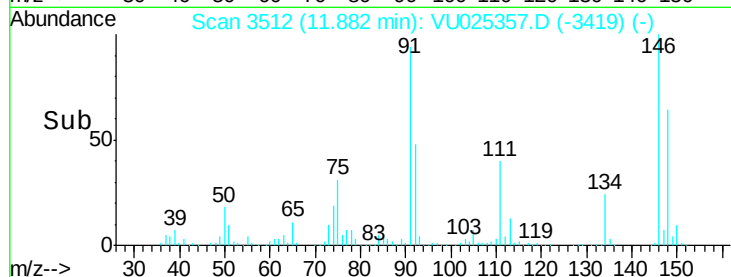
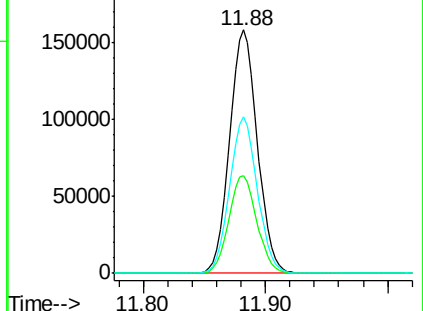
148 64.2 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.12 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

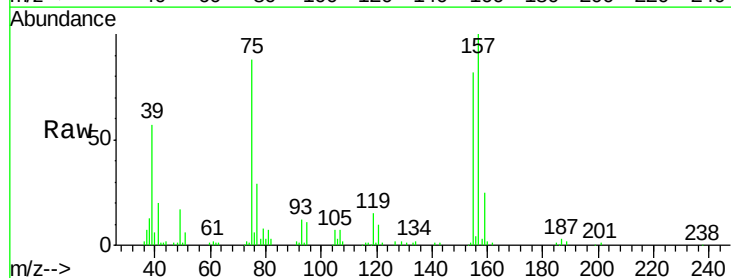
Tgt Ion: 75 Resp: 45837

Ion Ratio Lower Upper

75 100

155 88.6 44.5 133.3

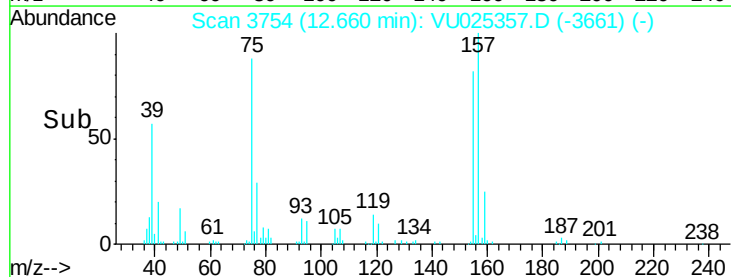
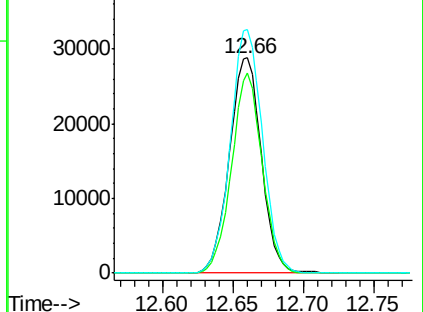
157 113.4 57.0 170.8

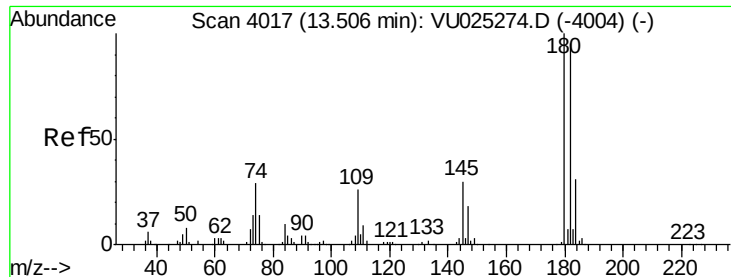


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

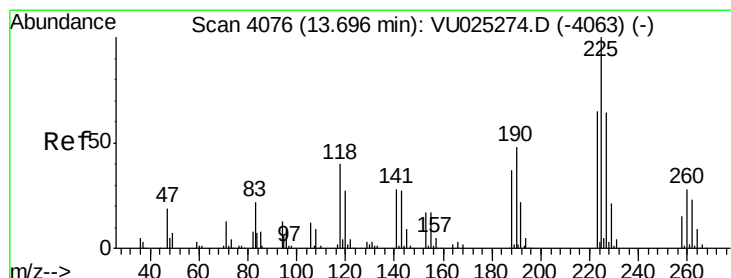
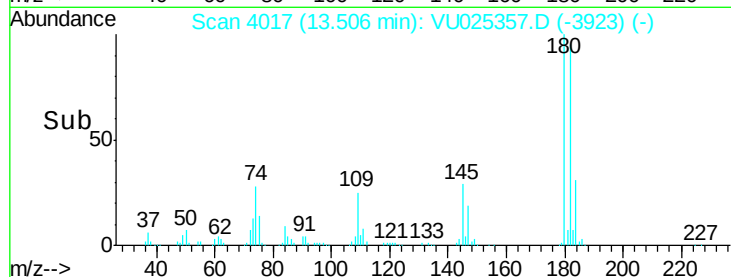
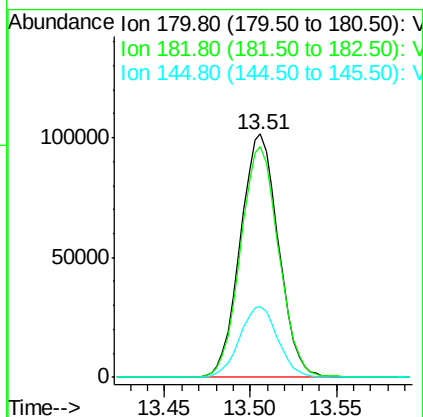
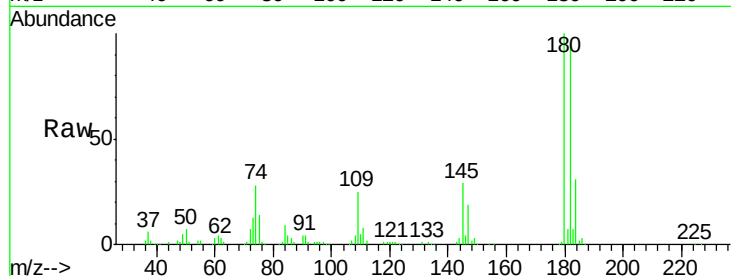




#93
 1,2,4-Trichlorobenzene
 Concen: 45.93 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

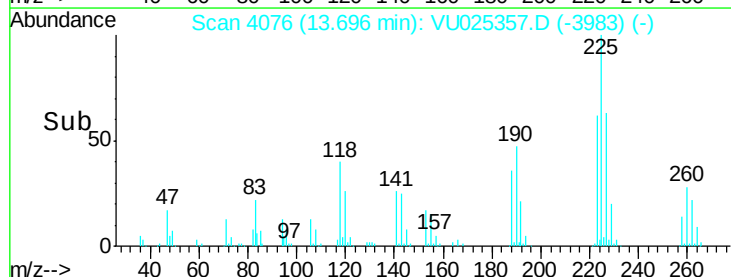
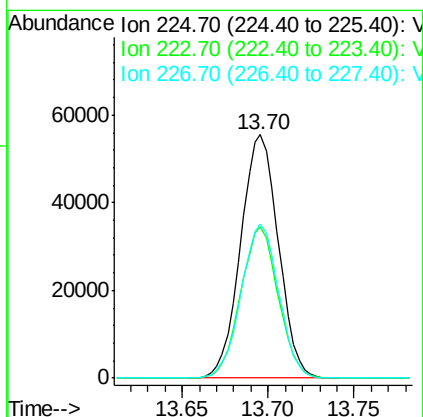
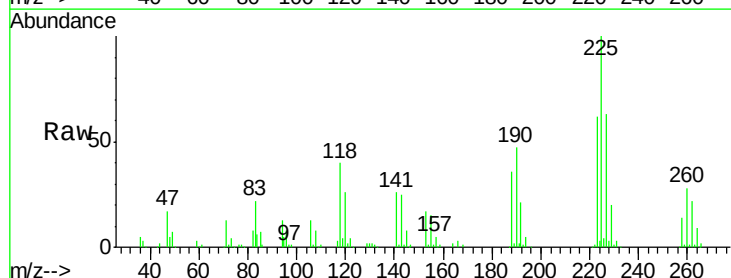
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

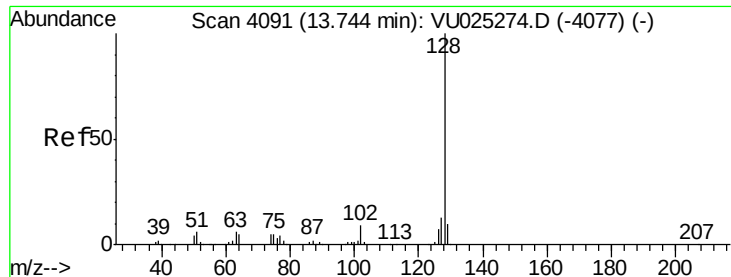
Tot Ion:180 Resp: 156964
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 141.9
 145 29.1 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 45.96 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion:225 Resp: 84407
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.9 95.7
 227 63.0 32.3 96.9





#95

Naphthalene

Concen: 49.82 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

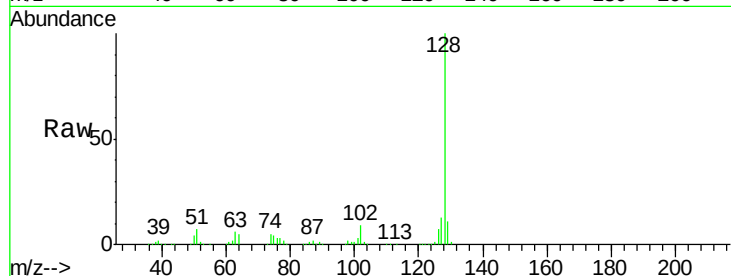
Tot Ion:128 Resp: 520545

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

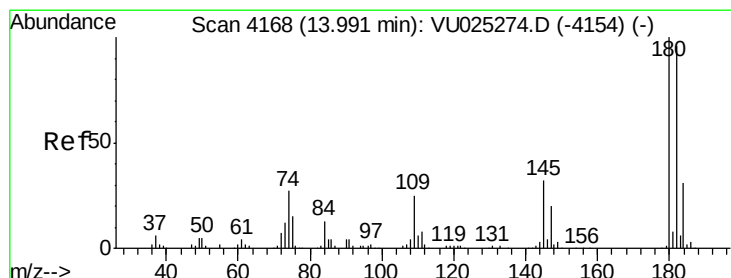
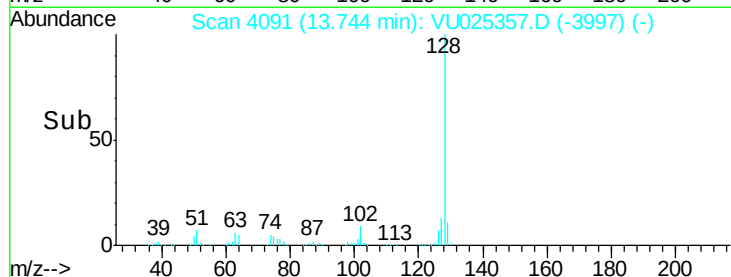
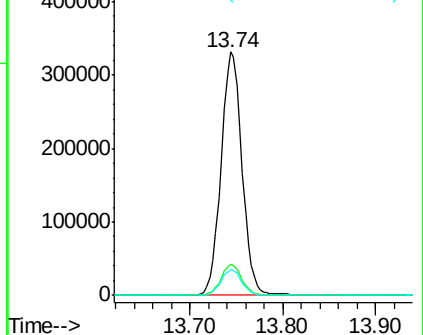
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.85 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

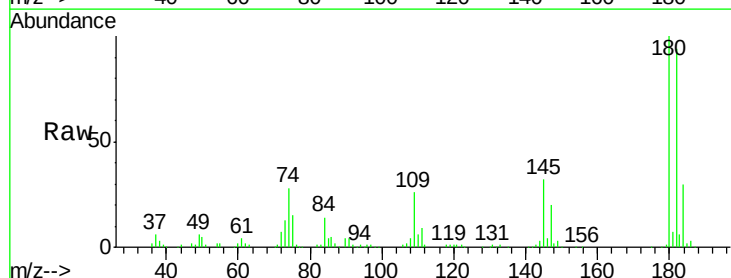
Tgt Ion:180 Resp: 166671

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.3

145 31.5 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

