

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028033.D
 Acq On : 09 Nov 2018 10:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 12 06:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	192054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336805	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	156645	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	154212	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	4.88	113	115294	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	7.57	98	456563	55.66	ug/l	0.00
Spiked Amount			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	10.31	95	169434	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	98625	40.414	ug/l	99
3) Chloromethane	1.33	50	145174	49.188	ug/l	98
4) Vinyl Chloride	1.40	62	143205	48.887	ug/l	100
5) Bromomethane	1.62	94	66562	54.259	ug/l	98
6) Chloroethane	1.69	64	86752	51.390	ug/l	100
7) Trichlorofluoromethane	1.89	101	168395	49.748	ug/l	98
8) Diethyl Ether	2.11	74	75509	52.097	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101797	50.624	ug/l	100
10) Methyl Iodide	2.41	142	99068	53.078	ug/l	99
11) Tert butyl alcohol	2.82	59	175639	232.354	ug/l	100
12) 1,1-Dichloroethene	2.29	96	96569	47.977	ug/l	97
13) Acrolein	2.20	56	54014	192.699	ug/l	99
14) Allyl chloride	2.59	41	239205	48.624	ug/l	97
15) Acrylonitrile	2.94	53	469204	252.691	ug/l	100
16) Acetone	2.32	43	454139	256.348	ug/l	100
17) Carbon Disulfide	2.48	76	325210	49.431	ug/l	99
18) Methyl Acetate	2.61	43	236244	48.477	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	411326	50.674	ug/l	98
20) Methylene Chloride	2.70	84	126883	49.054	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	111753	48.109	ug/l	97
22) Diisopropyl ether	3.57	45	505980	49.819	ug/l	99
23) Vinyl Acetate	3.52	43	2219721	254.303	ug/l	99
24) 1,1-Dichloroethane	3.45	63	253060	50.023	ug/l	99
25) 2-Butanone	4.26	43	712588	252.833	ug/l	99
26) 2,2-Dichloropropane	4.23	77	201668	53.120	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	135717	52.101	ug/l	99
28) Bromochloromethane	4.55	49	127537	53.776	ug/l	99
29) Tetrahydrofuran	4.64	42	442857	235.316	ug/l	98
30) Chloroform	4.67	83	230621	49.719	ug/l	100
31) Cyclohexane	5.00	56	246949	49.735	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	189286	51.264	ug/l	100
36) 1,1-Dichloropropene	5.14	75	179040	50.756	ug/l	99
37) Ethyl Acetate	4.38	43	248884	48.154	ug/l	99
38) Carbon Tetrachloride	5.14	117	154282	49.353	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	222611	52.323	ug/l	98
40) Benzene	5.39	78	539035	49.981	ug/l	99
41) Methacrylonitrile	4.54	41	139638	50.625	ug/l	98
42) 1,2-Dichloroethane	5.40	62	189030	49.310	ug/l	99
43) Isopropyl Acetate	5.55	43	401335	49.562	ug/l	99
44) Trichloroethene	6.19	130	118364	51.058	ug/l	100
45) 1,2-Dichloropropane	6.43	63	156546	50.332	ug/l	96
46) Dibromomethane	6.56	93	90045	50.366	ug/l	98
47) Bromodichloromethane	6.76	83	179367	52.061	ug/l	100
48) Methyl methacrylate	6.62	41	202118	50.935	ug/l	99
49) 1,4-Dioxane	6.61	88	67025	1035.286	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1314436	243.062	ug/l	99
52) Toluene	7.64	92	318192	50.185	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	216516	50.661	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	231999	54.623	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	133062	51.584	ug/l	98
56) Ethyl methacrylate	8.02	69	239029	52.546	ug/l	98
57) 1,3-Dichloropropane	8.24	76	237693	50.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	644562	264.563	ug/l	99
59) 2-Hexanone	8.36	43	1045342	249.928	ug/l	99
60) Dibromochloromethane	8.48	129	130784	53.579	ug/l	100
61) 1,2-Dibromoethane	8.59	107	142361	51.939	ug/l	99
64) Tetrachloroethene	8.23	164	103150	51.153	ug/l	99
65) Chlorobenzene	9.12	112	335850	51.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116382	51.859	ug/l	99
67) Ethyl Benzene	9.25	91	630234	52.112	ug/l	99
68) m/p-Xylenes	9.38	106	467787	106.603	ug/l	99
69) o-Xylene	9.78	106	224053	50.564	ug/l	98
70) Styrene	9.79	104	374471	52.891	ug/l	99
71) Bromoform	9.96	173	102471	54.483	ug/l #	99
73) Isopropylbenzene	10.17	105	613996	50.597	ug/l	100
74) N-amyl acetate	10.01	43	370333	50.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	235663	48.144	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	290215	67.733	ug/l	81
77) Bromobenzene	10.45	156	141995	51.030	ug/l	99
78) n-propylbenzene	10.59	91	761868	52.450	ug/l	99
79) 2-Chlorotoluene	10.66	91	431229	49.528	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	517216	51.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	290215	168.488	ug/l #	100
82) 4-Chlorotoluene	10.77	91	507030	51.295	ug/l	98
83) tert-Butylbenzene	11.10	119	496692	49.424	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	529479	52.307	ug/l	99
85) sec-Butylbenzene	11.32	105	641047	52.450	ug/l	100
86) p-Isopropyltoluene	11.48	119	540904	52.940	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	266353	51.817	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	265878	50.465	ug/l	99
89) n-Butylbenzene	11.89	91	542567	55.875	ug/l	100
90) Hexachloroethane	12.15	117	95533	52.518	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	262774	50.834	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53476	51.846	ug/l	99

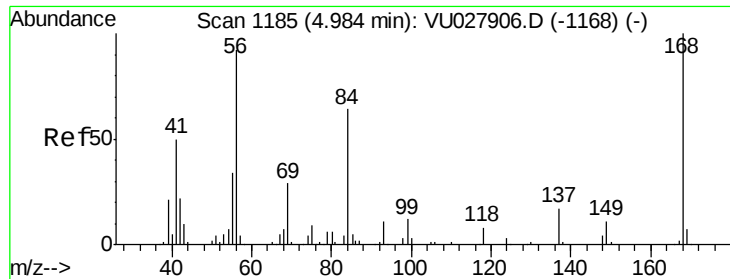
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	186341	51.382	ug/l	98
94) Hexachlorobutadiene	13.69	225	89375	54.401	ug/l	98
95) Naphthalene	13.74	128	647467	50.391	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	185476	53.472	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

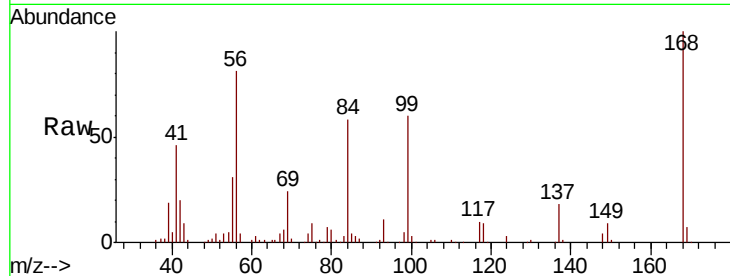
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 192054

Ion Ratio Lower Upper

168 100

99 59.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028033.D (-1092) (-)

4.98

80000

60000

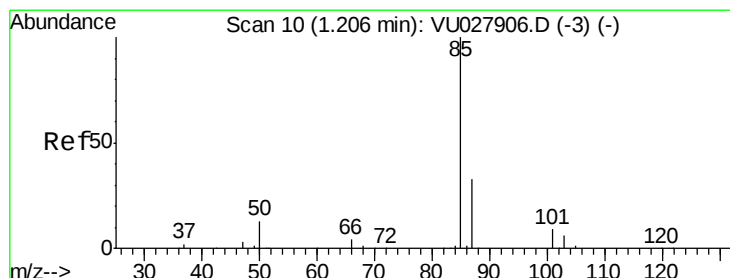
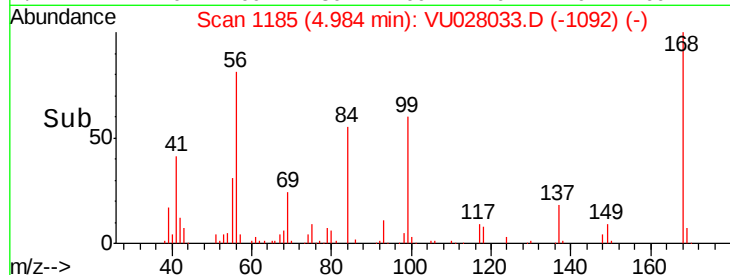
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.414 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028033.D

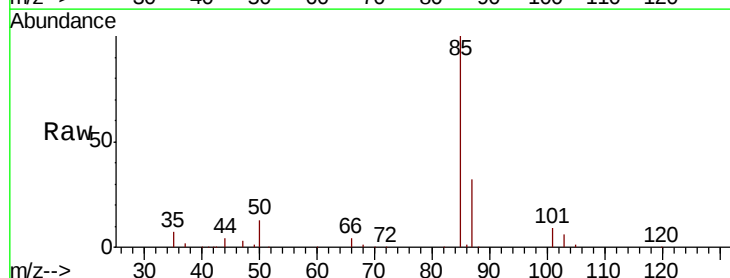
Acq: 09 Nov 2018 10:36

Tgt Ion: 85 Resp: 98625

Ion Ratio Lower Upper

85 100

87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028033.D (-1) (-)

1.21

100000

80000

60000

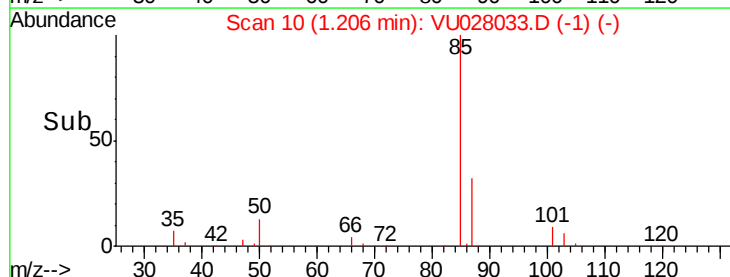
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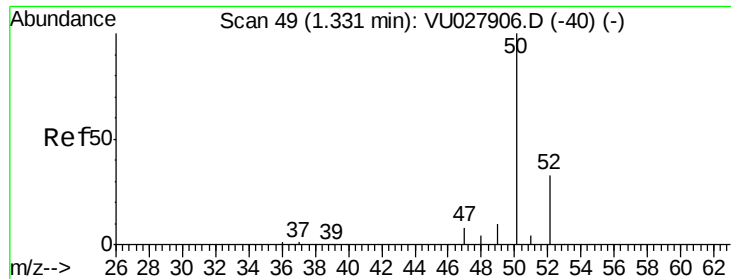
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0

1.15 1.20 1.25 1.30

Time-->

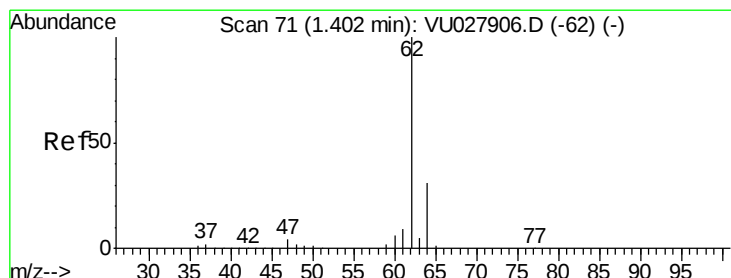
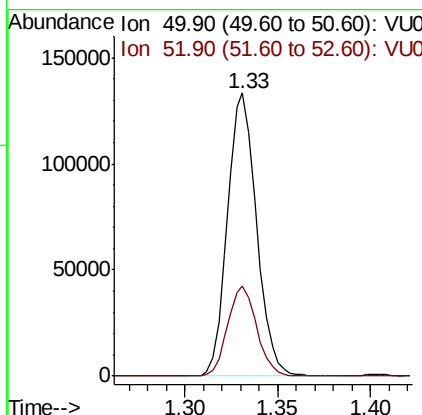
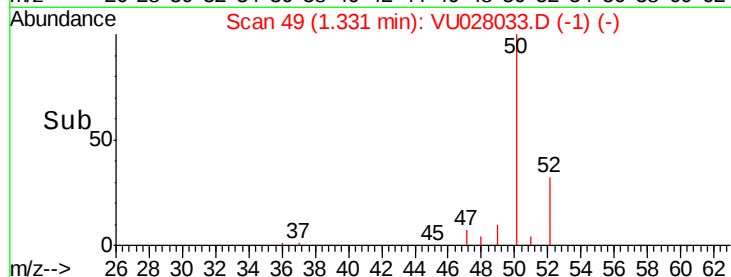
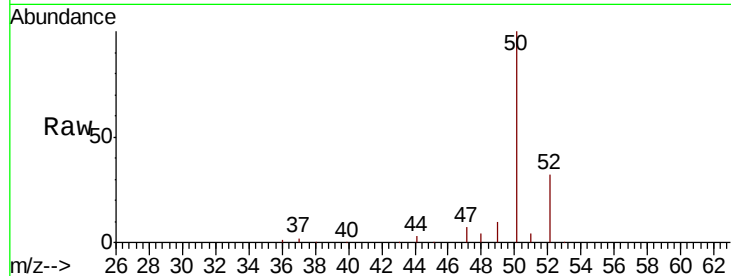




#3
 Chloromethane
 Concen: 49.188 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

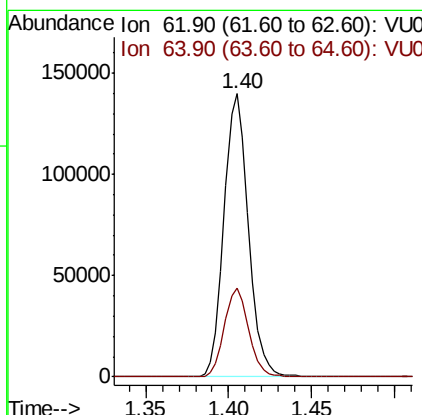
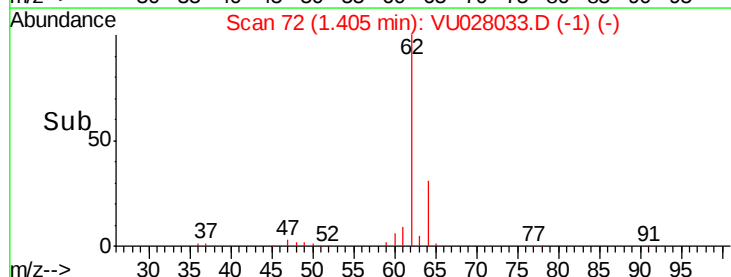
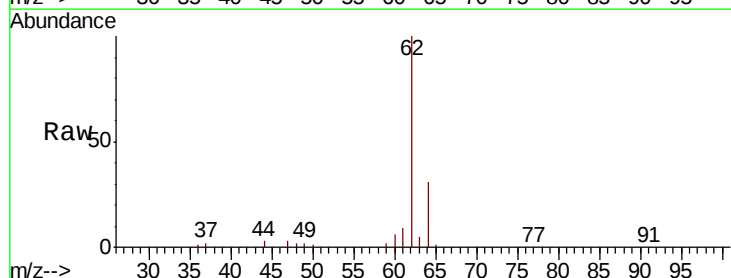
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

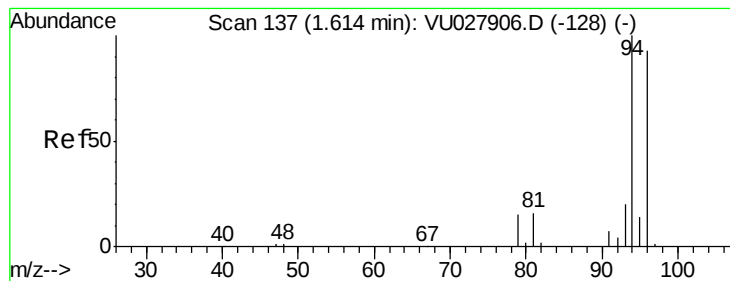
Tot Ion: 50 Resp: 145174
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.2 39.4



#4
 Vinyl Chloride
 Concen: 48.887 ug/l
 RT: 1.40 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 62 Resp: 143205
 Ion Ratio Lower Upper
 62 100
 64 31.5 25.2 37.8





#5

Bromomethane

Concen: 54.259 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

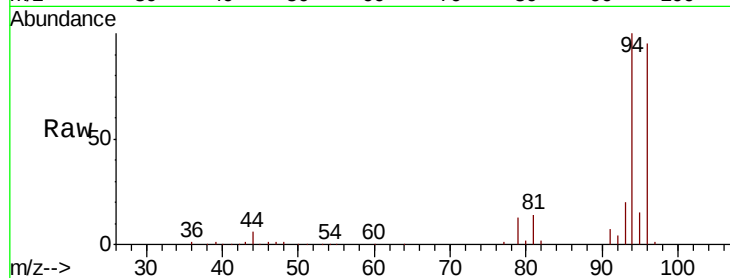
VSTDCCC050

Tot Ion: 94 Resp: 66562

Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028033.D (-44) (-)

1.62

60000

50000

40000

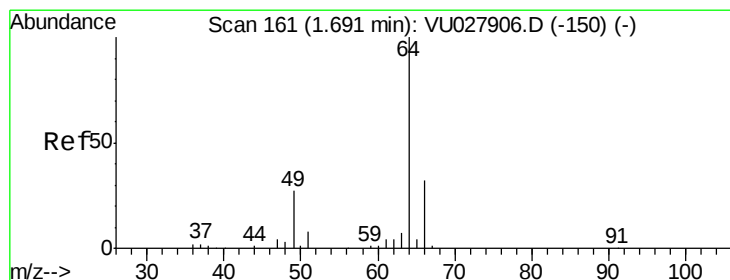
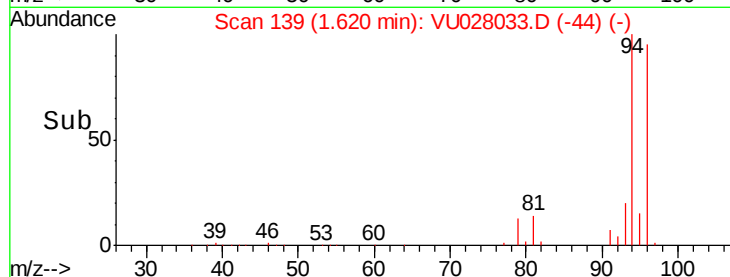
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 51.390 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU028033.D

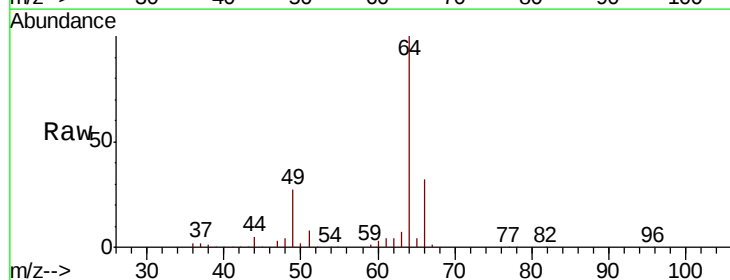
Acq: 09 Nov 2018 10:36

Tgt Ion: 64 Resp: 86752

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028033.D (-68) (-)

1.69

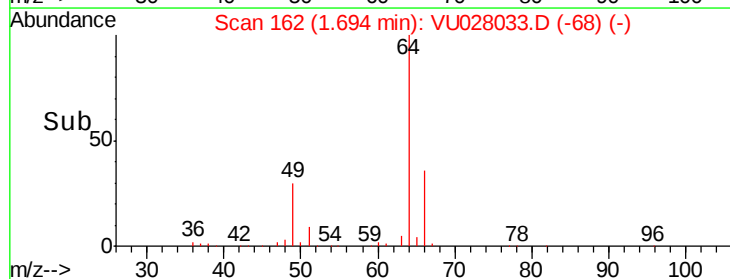
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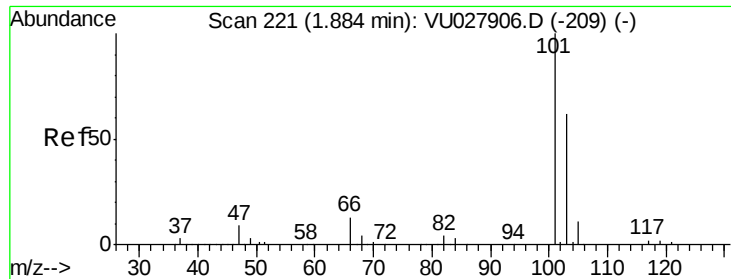
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20000

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Time-->



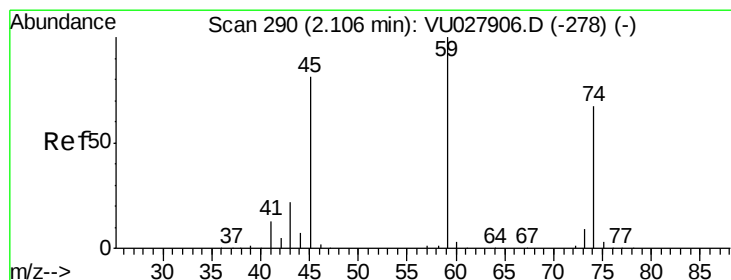
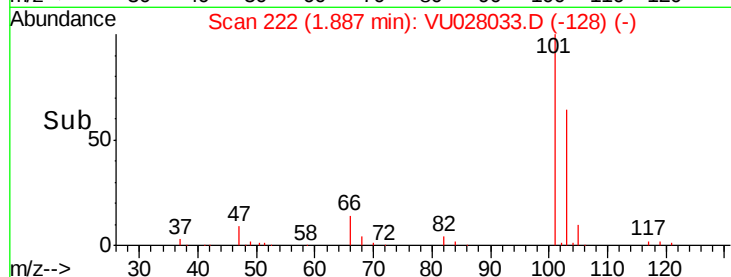
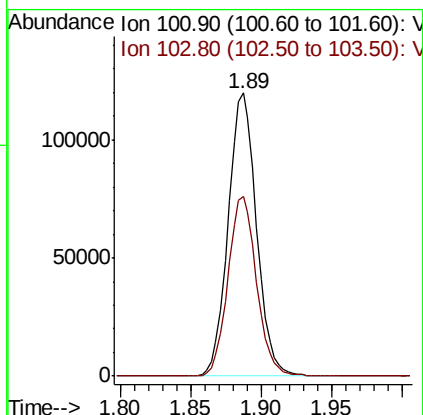
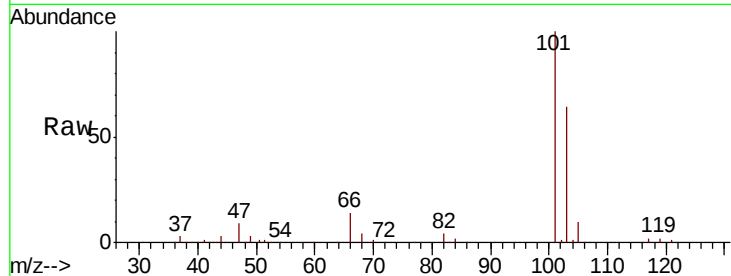


#7

Trichlorofluoromethane
Concen: 49.748 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

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MSVOA_U
ClientSampleId :
VSTDCCC050

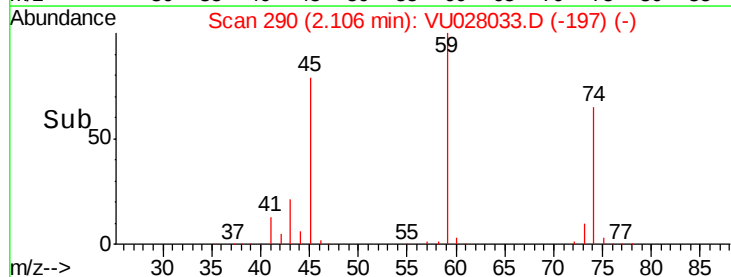
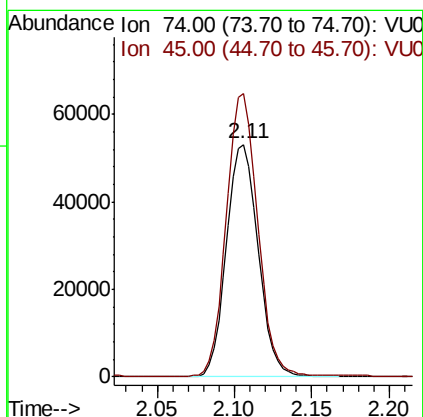
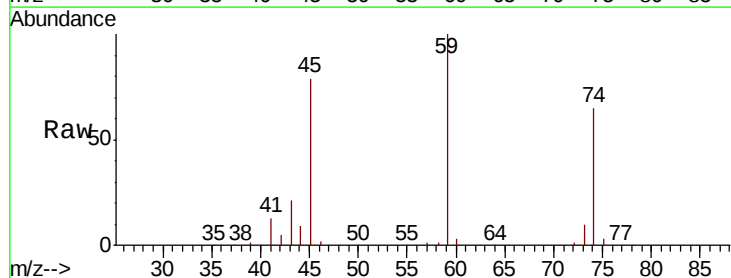
Tot Ion:101 Resp: 168395
Ion Ratio Lower Upper
101 100
103 63.7 49.4 74.2

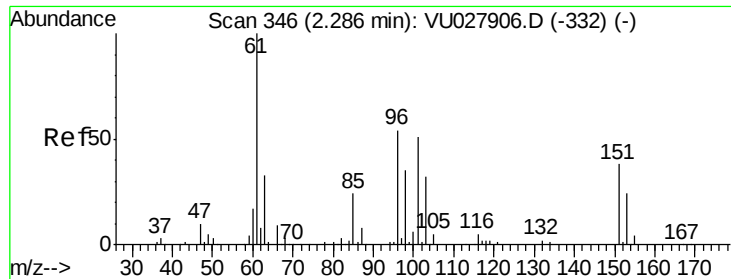


#8

Diethyl Ether
Concen: 52.097 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 74 Resp: 75509
Ion Ratio Lower Upper
74 100
45 120.4 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.624 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

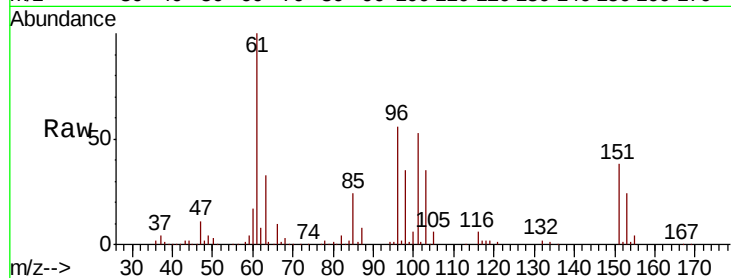
Tot Ion:101 Resp: 101797

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

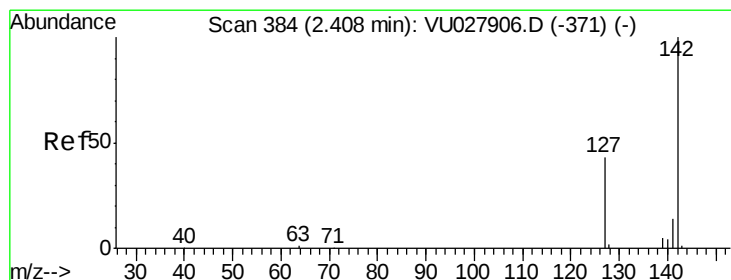
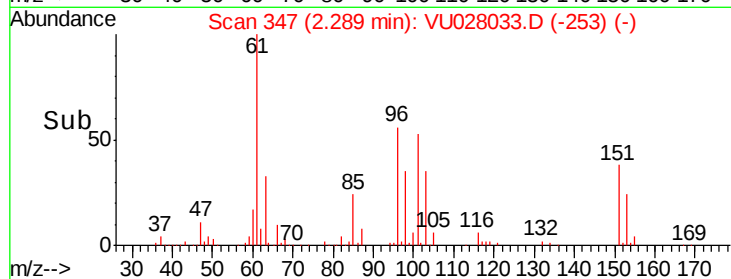
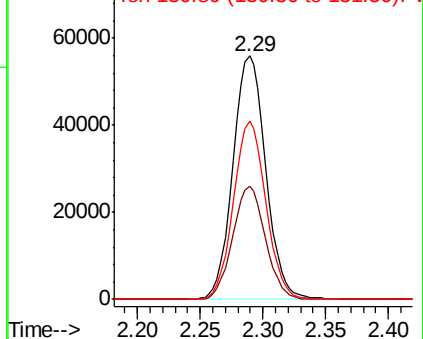
151 72.2 58.0 87.0



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: 53.078 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

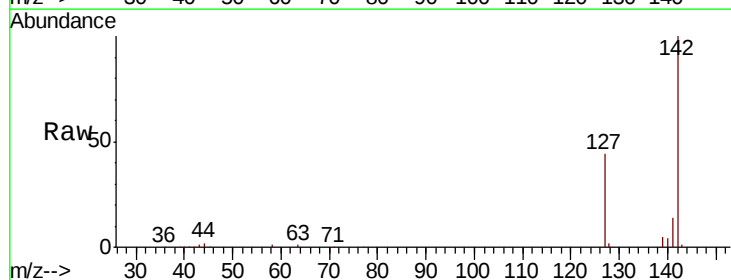
Tgt Ion:142 Resp: 99068

Ion Ratio Lower Upper

142 100

127 43.2 35.2 52.8

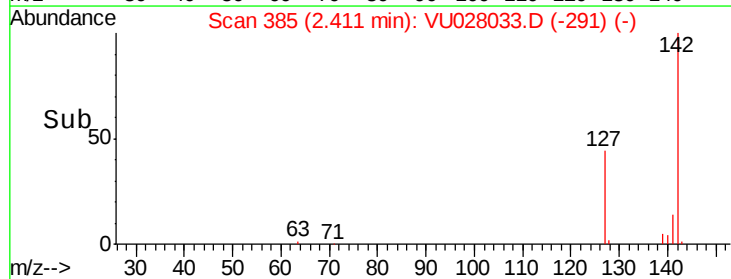
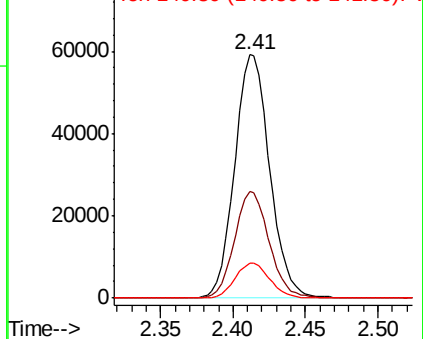
141 14.2 11.8 17.8

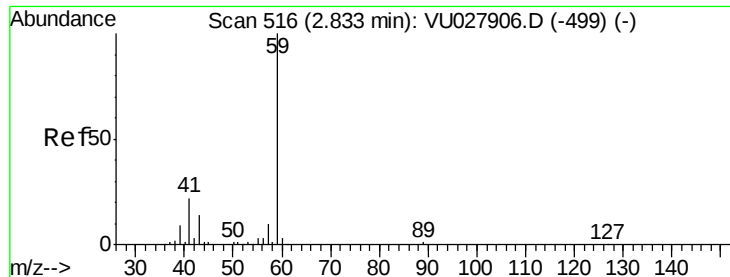


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



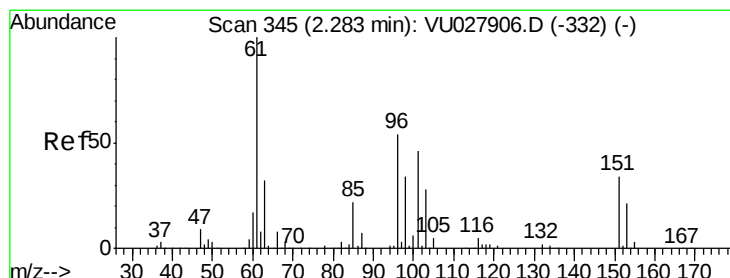
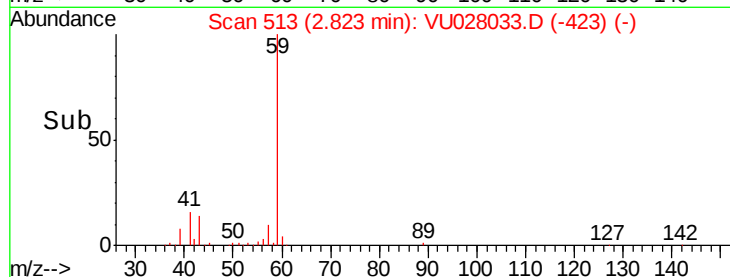
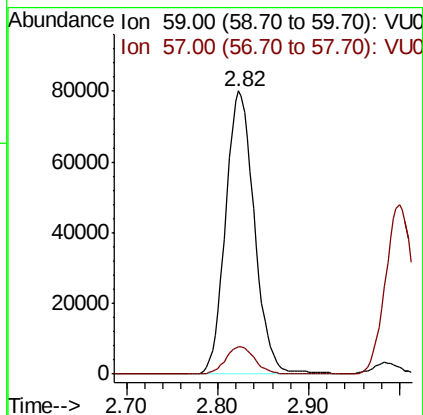
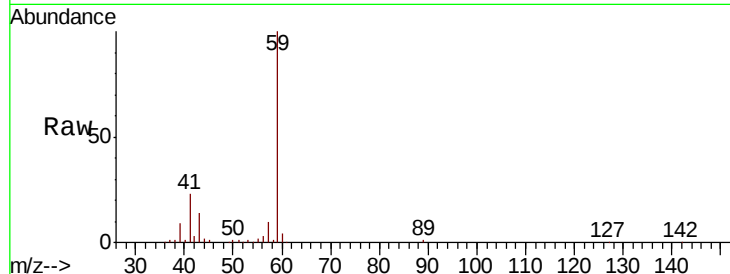


#11

Tert butyl alcohol
 Concen: 232.354 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

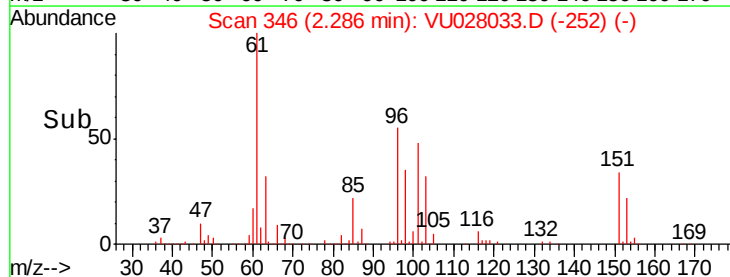
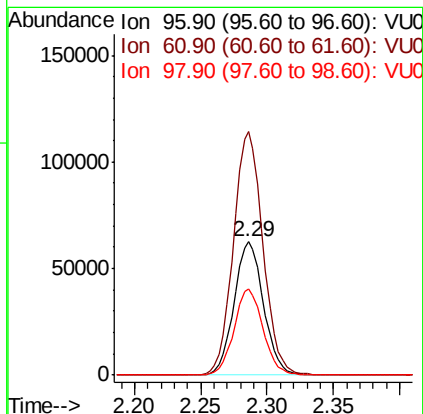
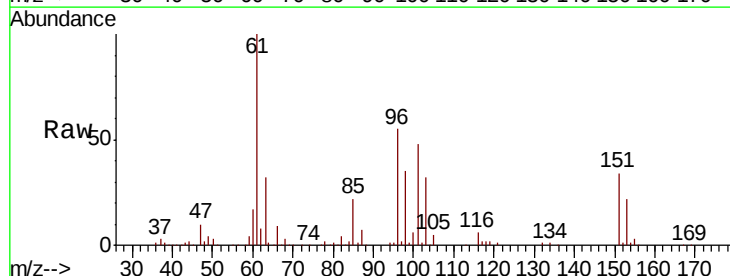
Tot Ion: 59 Resp: 175639
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.8



#12

1,1-Dichloroethene
 Concen: 47.977 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 96 Resp: 96569
 Ion Ratio Lower Upper
 96 100
 61 182.5 149.3 223.9
 98 64.8 50.6 75.8





#13

Acrolein

Concen: 192.699 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

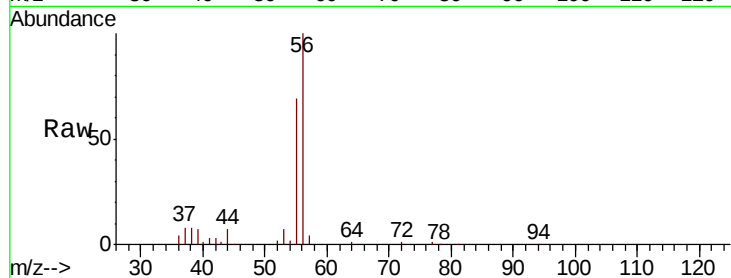
VSTDCCC050

Tot Ion: 56 Resp: 54014

Ion Ratio Lower Upper

56 100

55 71.4 56.2 84.4

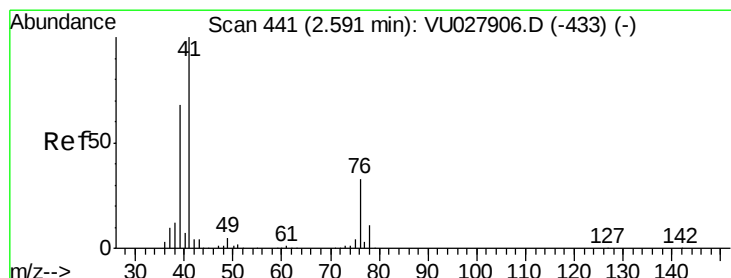
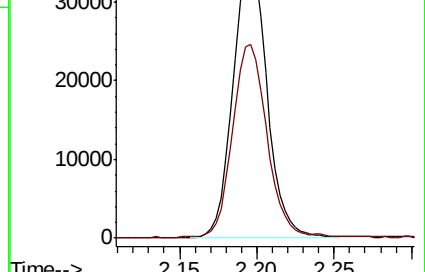
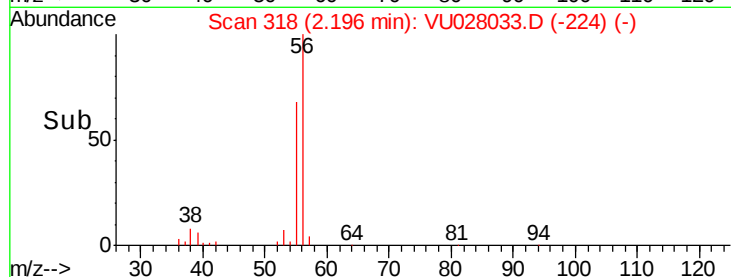


Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

Time-->



#14

Allyl chloride

Concen: 48.624 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

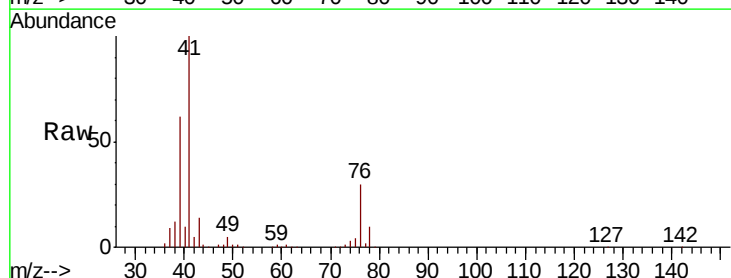
Tgt Ion: 41 Resp: 239205

Ion Ratio Lower Upper

41 100

39 61.7 51.9 77.9

76 30.5 23.8 35.6



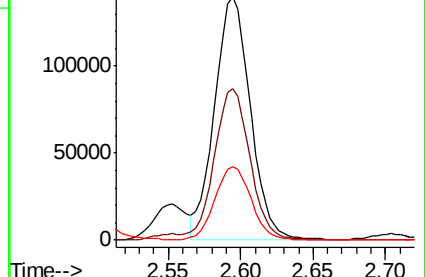
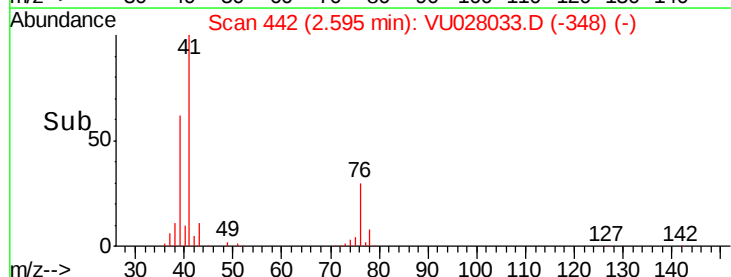
Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

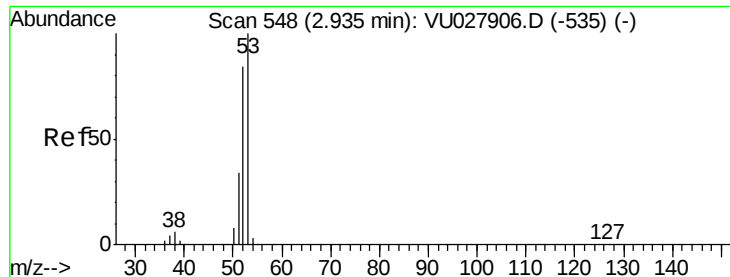
Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 252.691 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

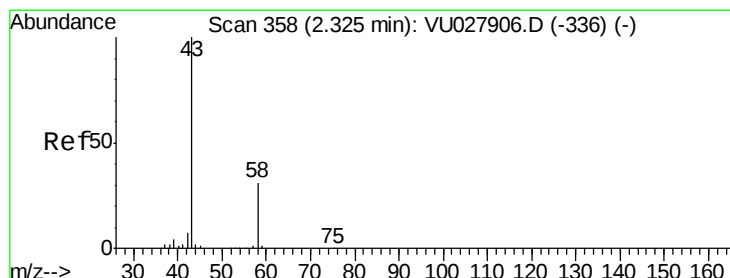
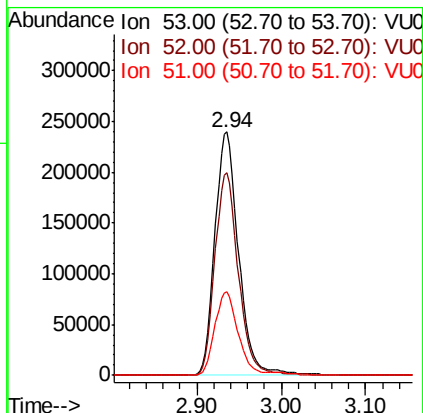
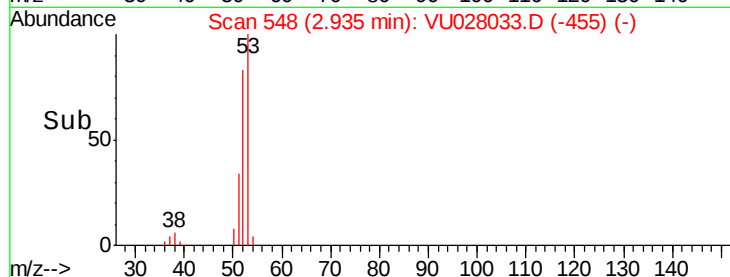
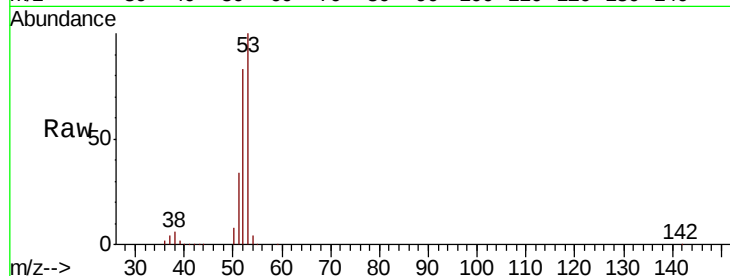
Tot Ion: 53 Resp: 469204

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

51 33.7 27.0 40.4



#16

Acetone

Concen: 256.348 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028033.D

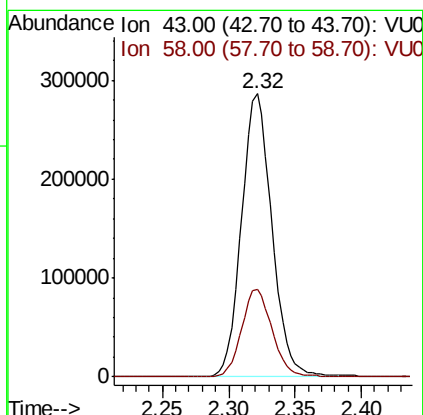
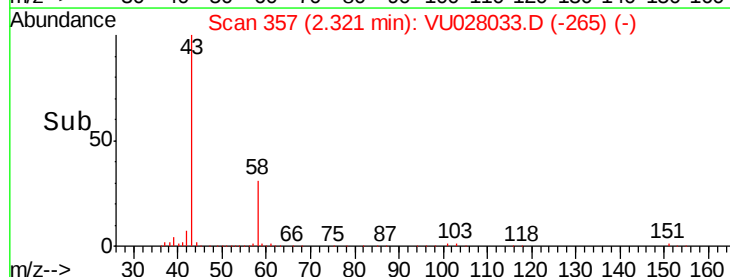
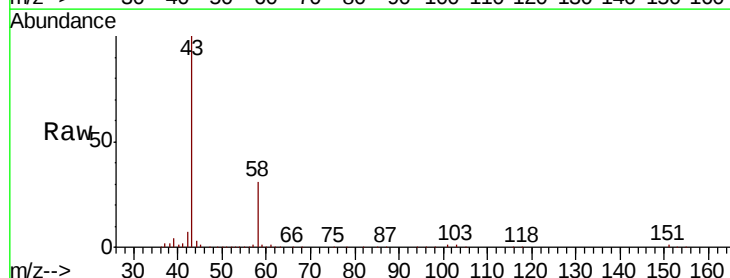
Acq: 09 Nov 2018 10:36

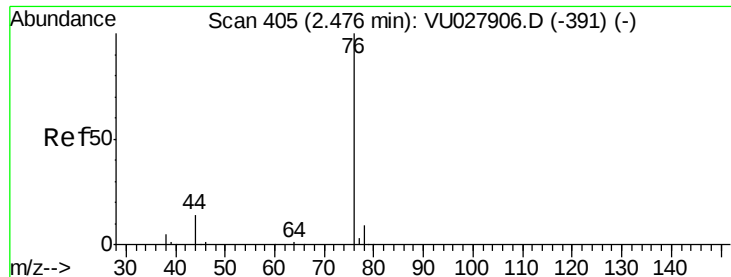
Tgt Ion: 43 Resp: 454139

Ion Ratio Lower Upper

43 100

58 31.1 24.6 37.0

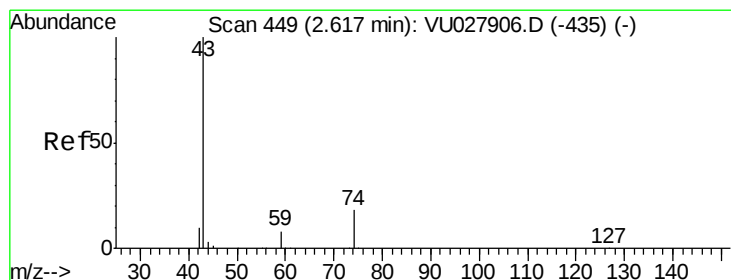
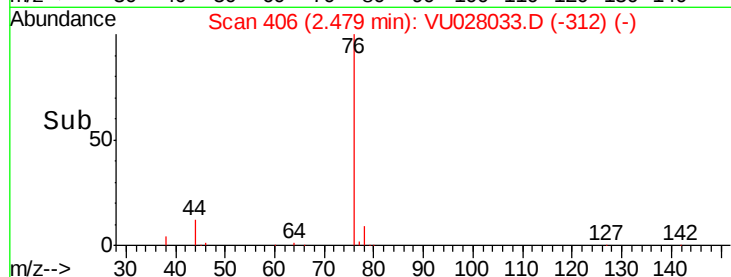
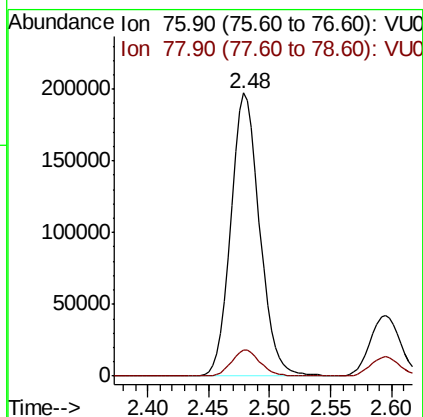
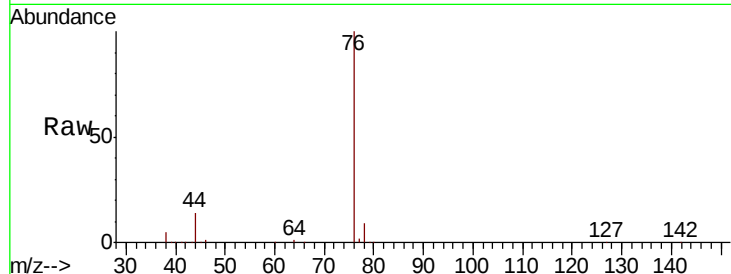




#17
Carbon Disulfide
Concen: 49.431 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

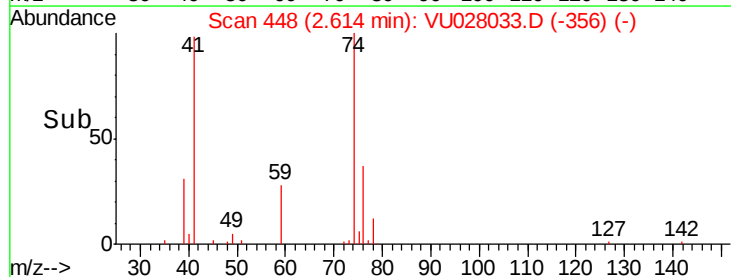
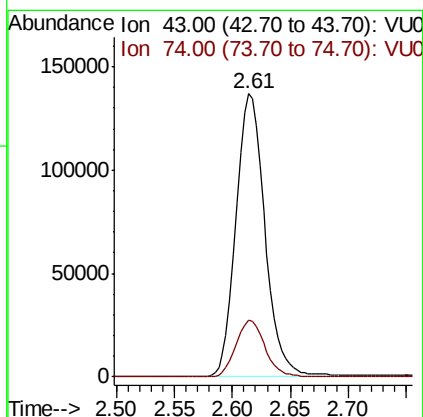
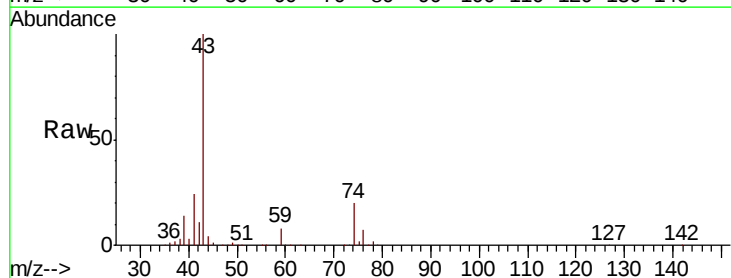
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 325210
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 48.477 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 43 Resp: 236244
Ion Ratio Lower Upper
43 100
74 20.2 14.9 22.3



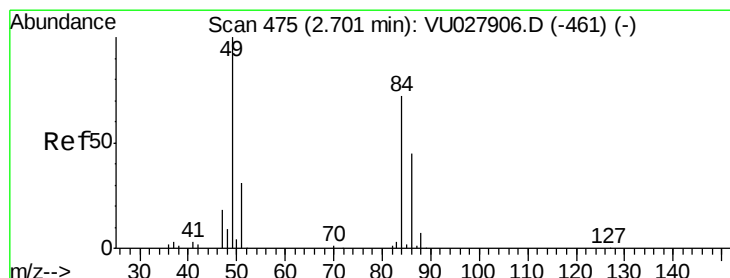
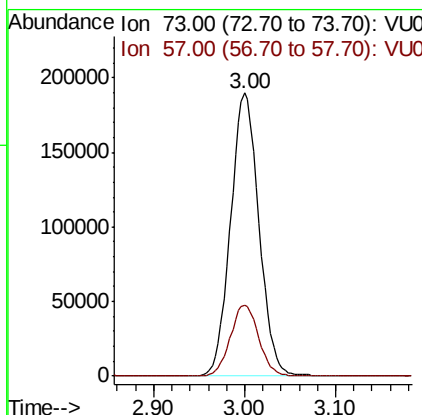
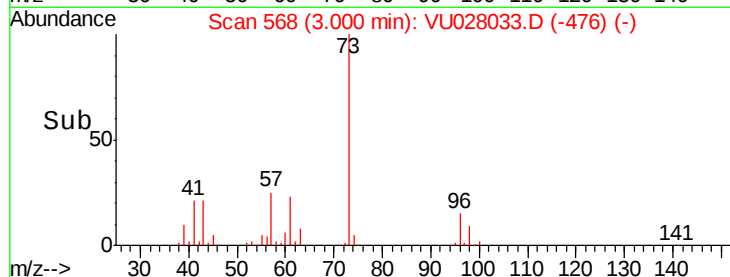
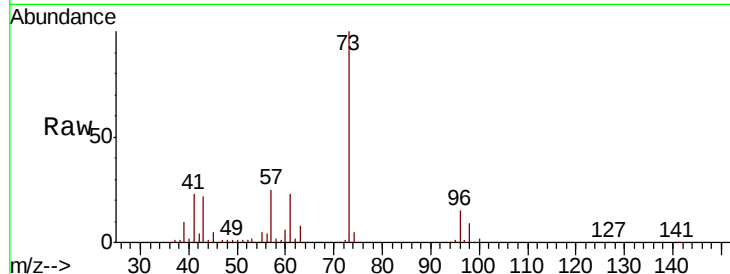


#19

Methyl tert-butyl Ether
 Concen: 50.674 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

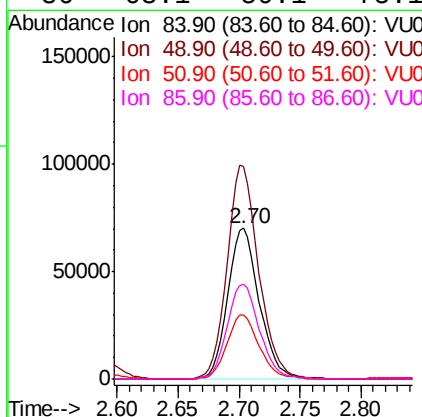
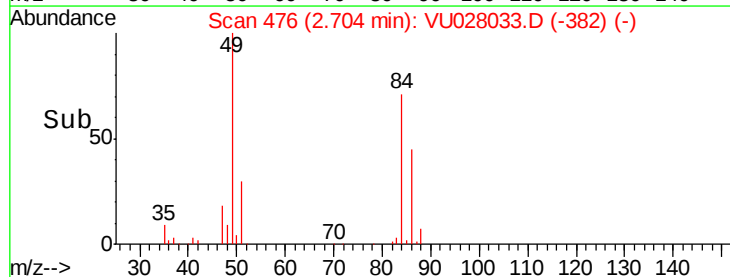
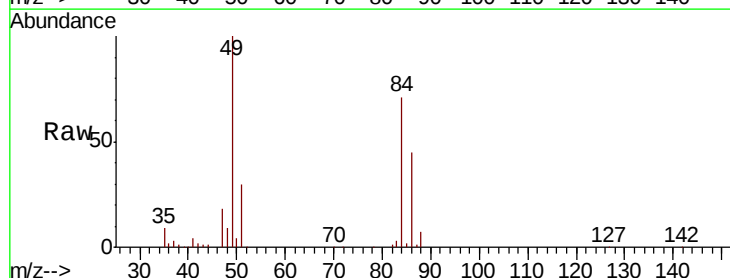
Tot Ion: 73 Resp: 411326
 Ion Ratio Lower Upper
 73 100
 57 25.2 19.3 28.9

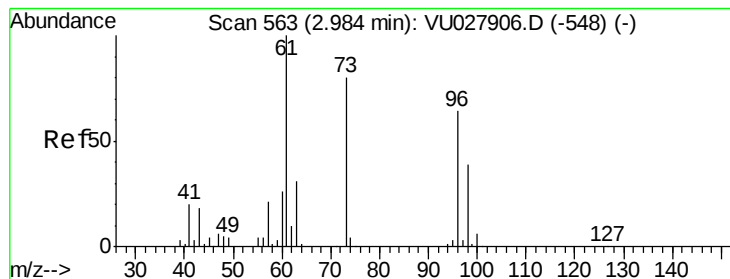


#20

Methylene Chloride
 Concen: 49.054 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 84 Resp: 126883
 Ion Ratio Lower Upper
 84 100
 49 140.4 111.6 167.4
 51 42.3 34.8 52.2
 86 63.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.109 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

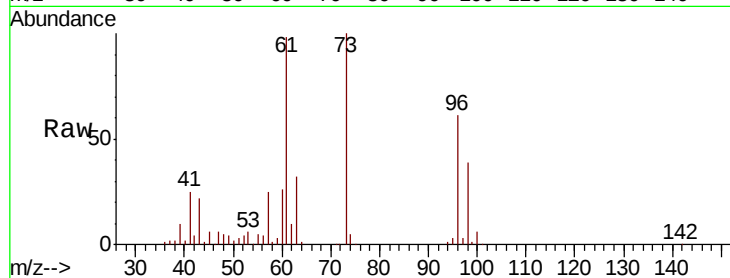
Tot Ion: 96 Resp: 111753

Ion Ratio Lower Upper

96 100

61 159.7 125.0 187.6

98 64.2 48.2 72.4

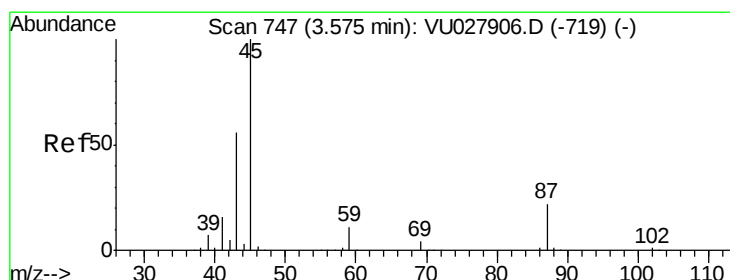
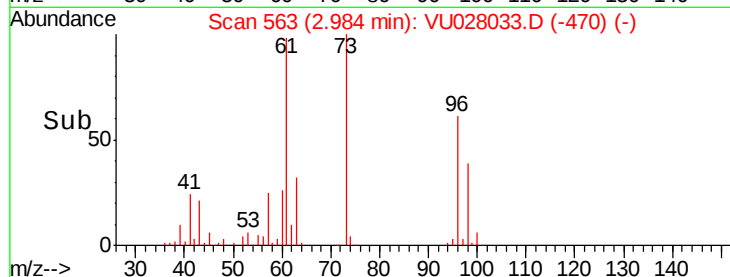
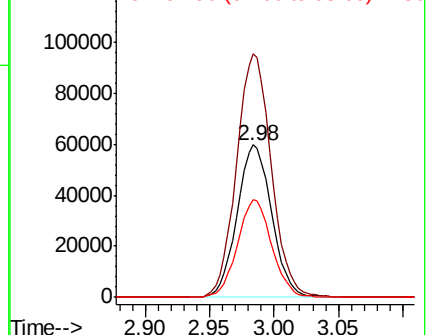


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 49.819 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion: 45 Resp: 505980

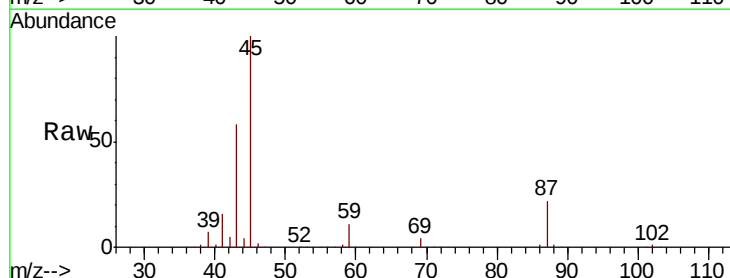
Ion Ratio Lower Upper

45 100

43 56.7 45.0 67.6

87 21.8 17.9 26.9

59 10.6 8.6 12.8



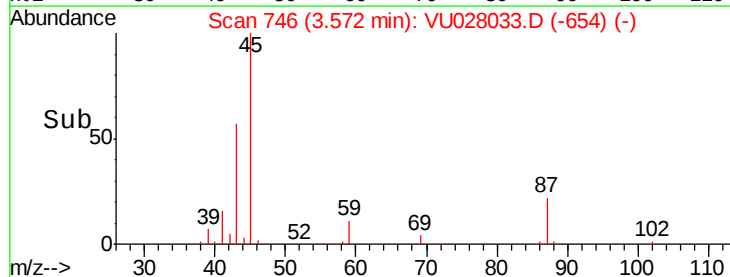
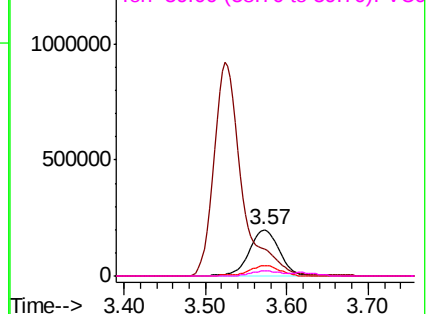
Abundance

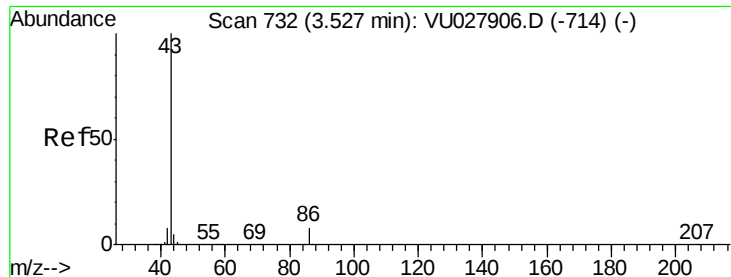
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.303 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

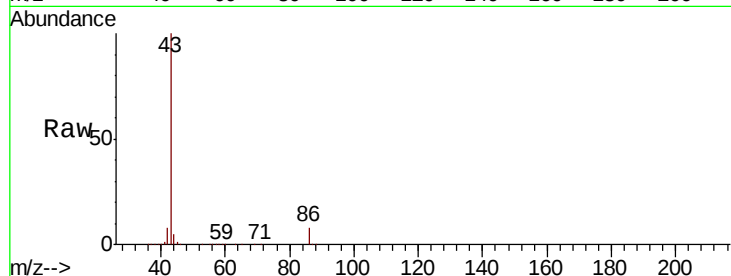
VSTDCCC050

Tot Ion: 43 Resp: 2219721

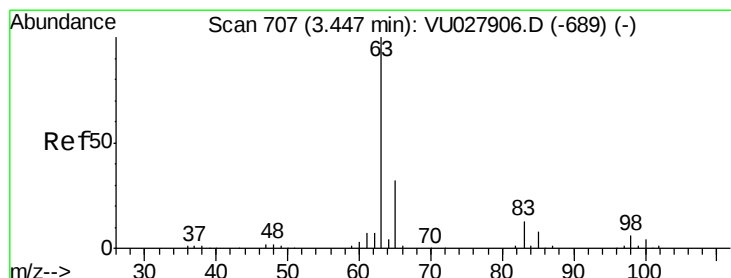
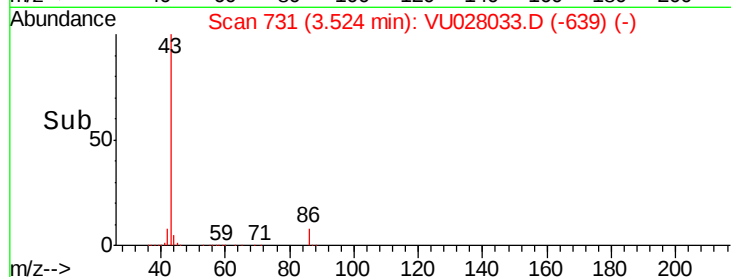
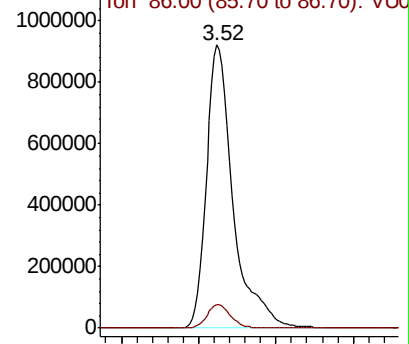
Ion Ratio Lower Upper

43 100

86 8.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028033.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 50.023 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

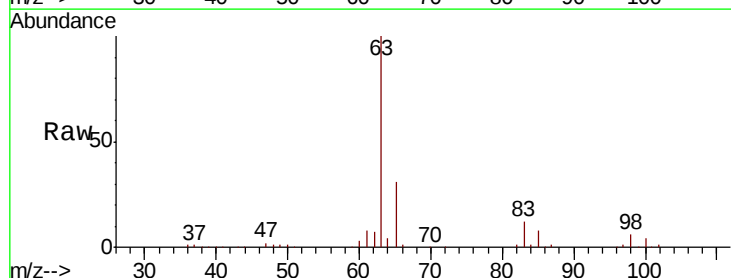
Tgt Ion: 63 Resp: 253060

Ion Ratio Lower Upper

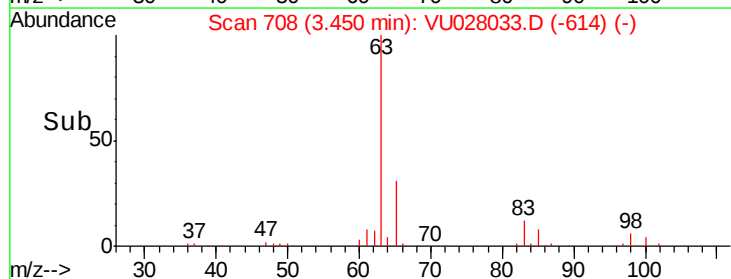
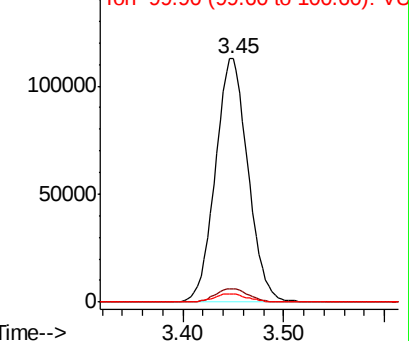
63 100

98 5.5 2.9 8.6

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028033.D (-614) (-)





#25

2-Butanone

Concen: 252.833 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

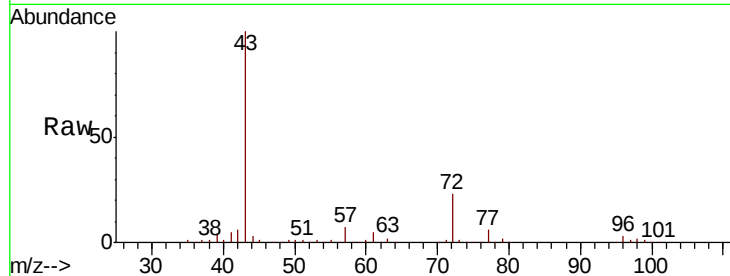
VSTDCCC050

Tot Ion: 43 Resp: 712588

Ion Ratio Lower Upper

43 100

72 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)

4.26

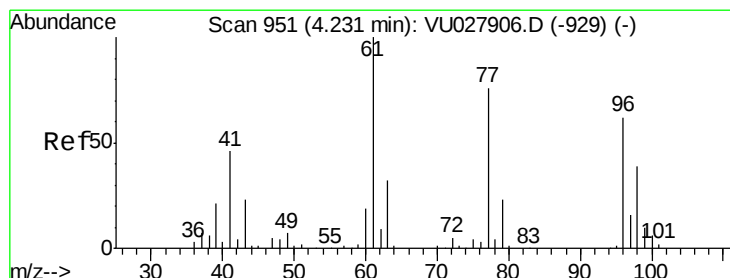
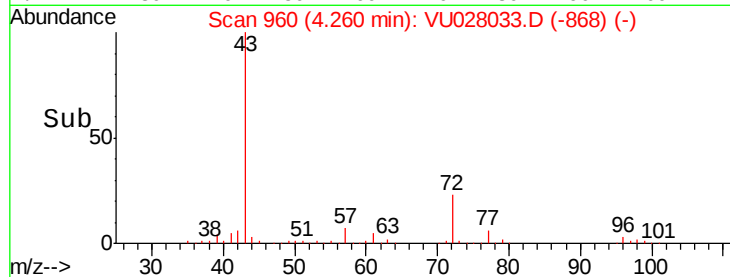
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.120 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028033.D

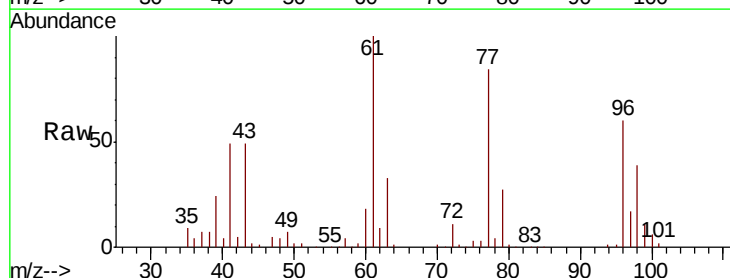
Acq: 09 Nov 2018 10:36

Tgt Ion: 77 Resp: 201668

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU027906.D (-929) (-)

4.23

80000

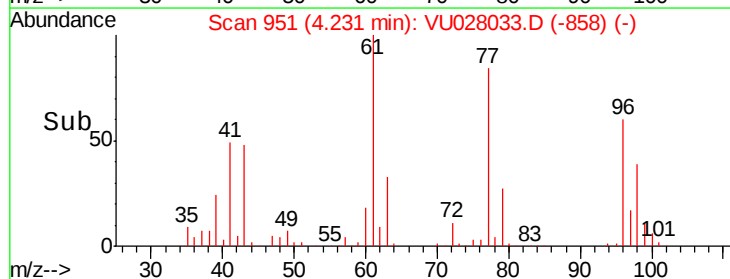
60000

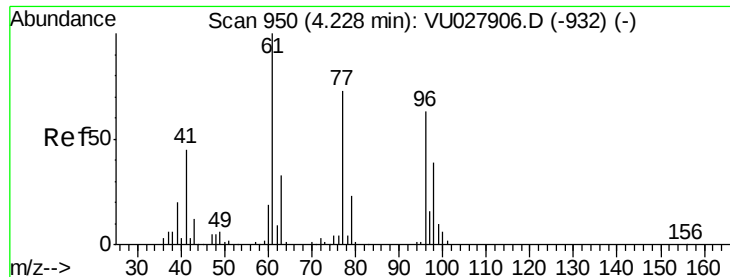
40000

20000

0

Time-->



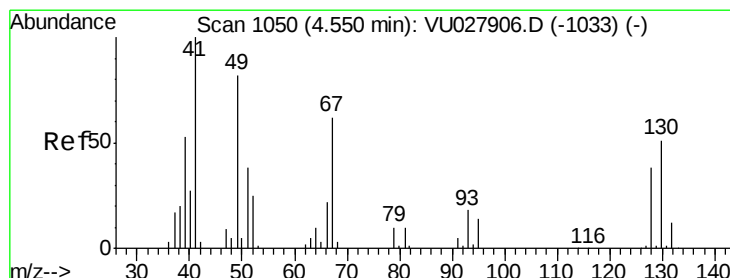
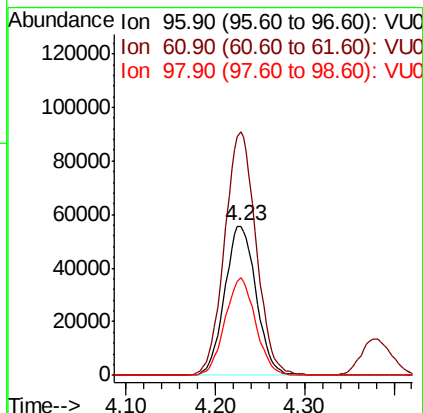
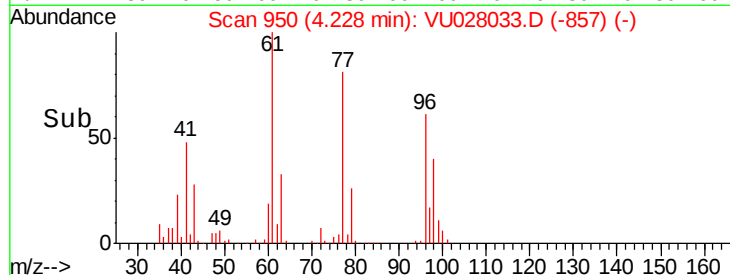
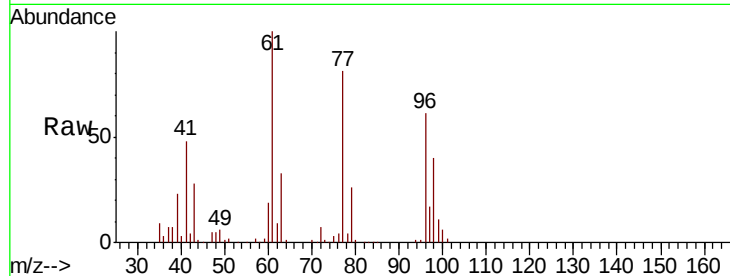


#27

cis-1,2-Dichloroethene
 Concen: 52.101 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

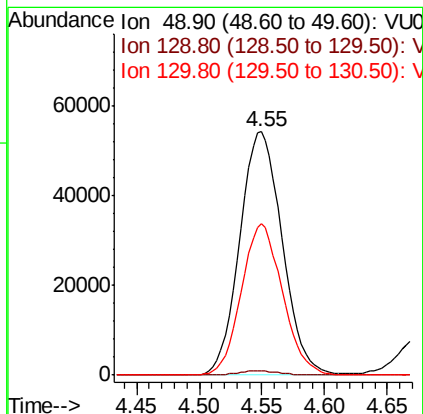
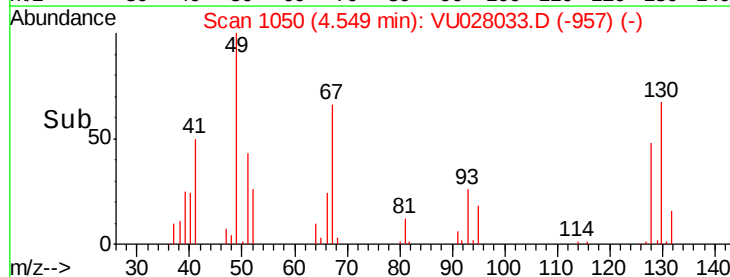
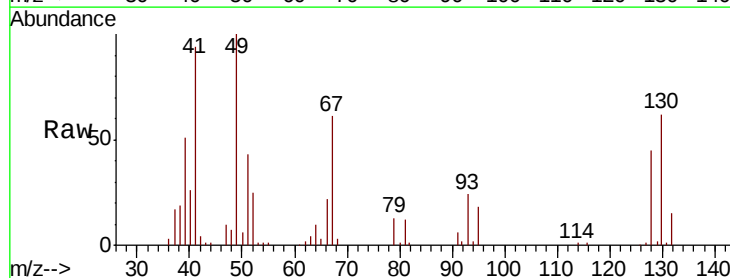
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	329.6
98	63.3	0.0	127.2

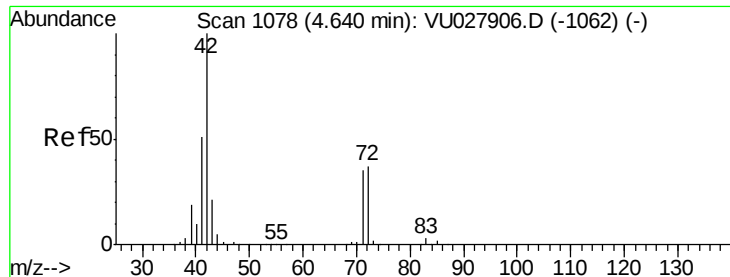


#28

Bromochloromethane
 Concen: 53.776 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	60.4	47.8	71.6

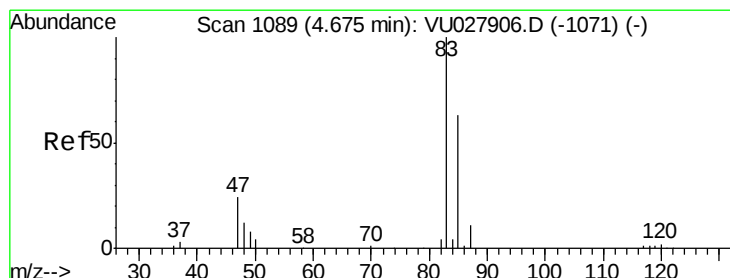
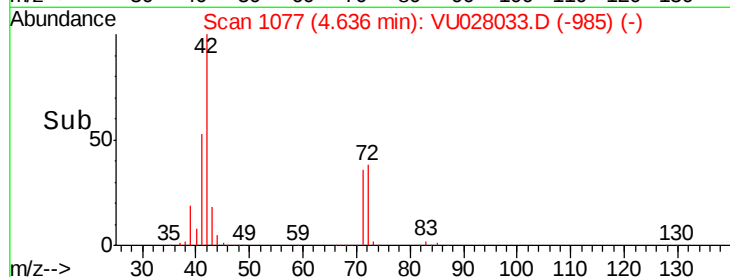
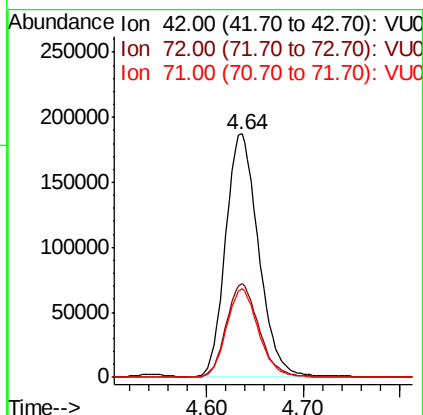
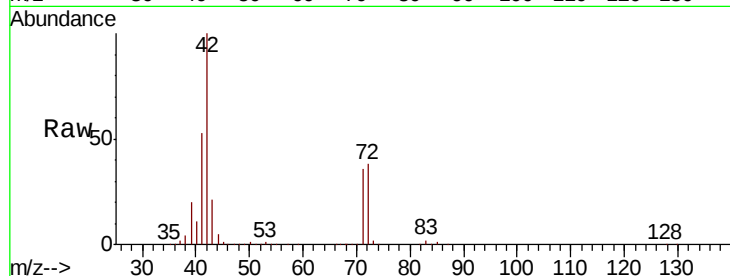




#29
Tetrahydrofuran
Concen: 235.316 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

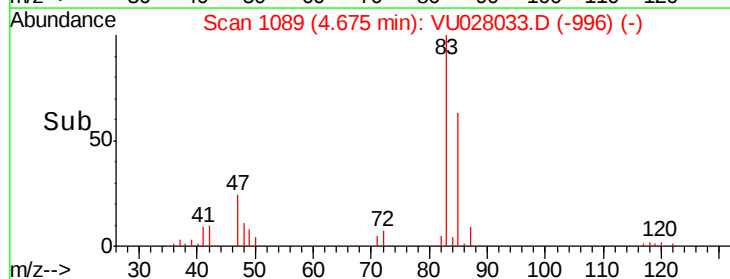
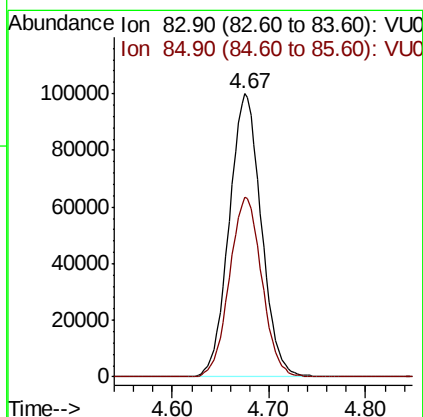
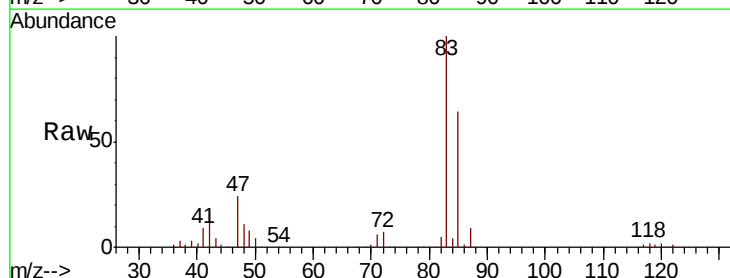
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

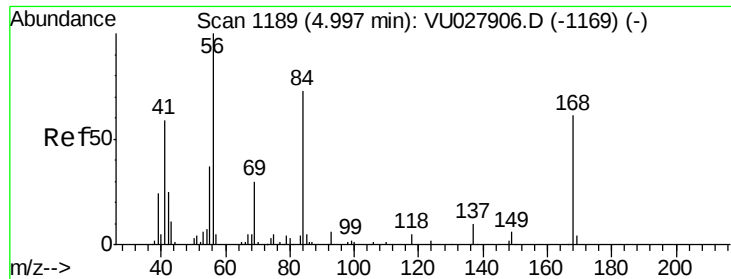
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	29.4	44.0
71	35.5	27.9	41.9



#30
Chloroform
Concen: 49.719 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0

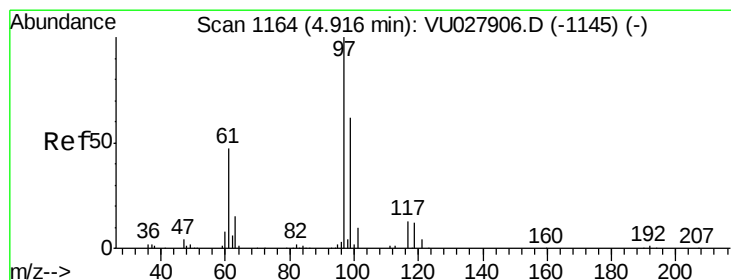
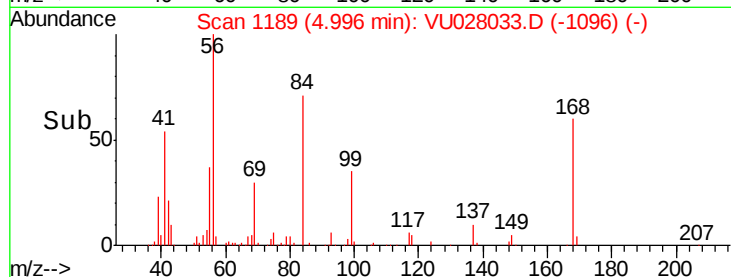
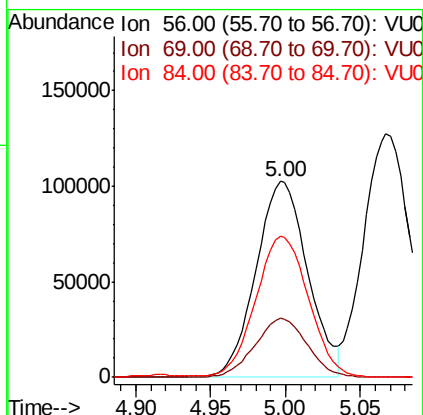
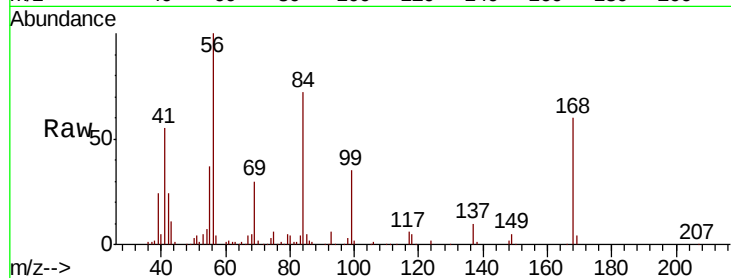




#31
Cyclohexane
Concen: 49.735 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

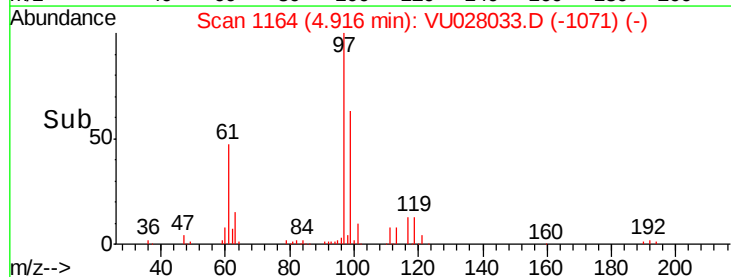
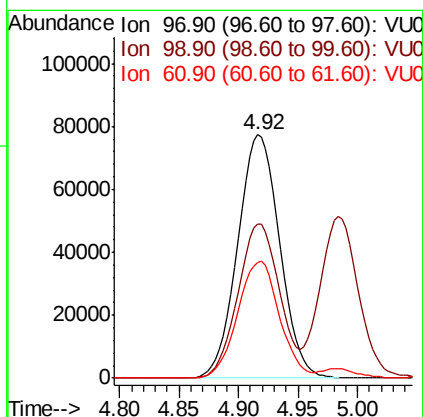
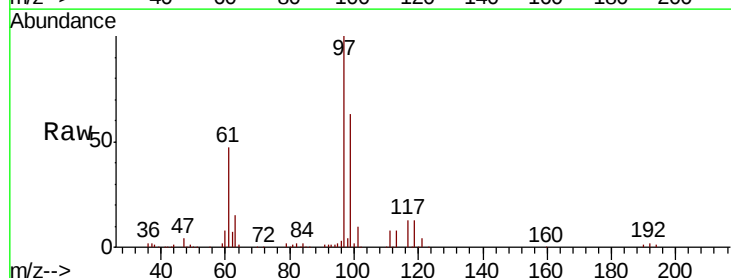
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

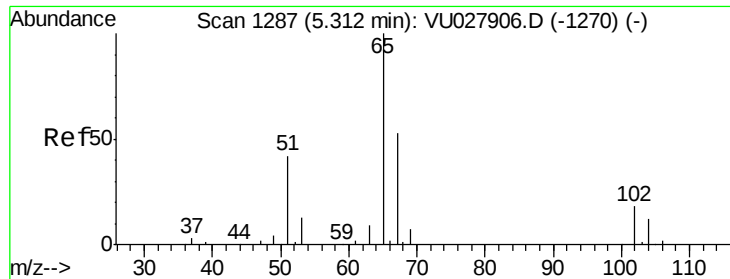
Tot Ion: 56 Resp: 246949
Ion Ratio Lower Upper
56 100
69 30.1 23.7 35.5
84 71.4 58.2 87.4



#32
1,1,1-Trichloroethane
Concen: 51.264 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 97 Resp: 189286
Ion Ratio Lower Upper
97 100
99 63.0 50.5 75.7
61 47.8 38.3 57.5

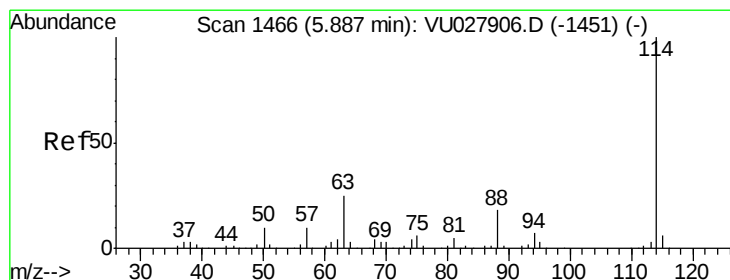
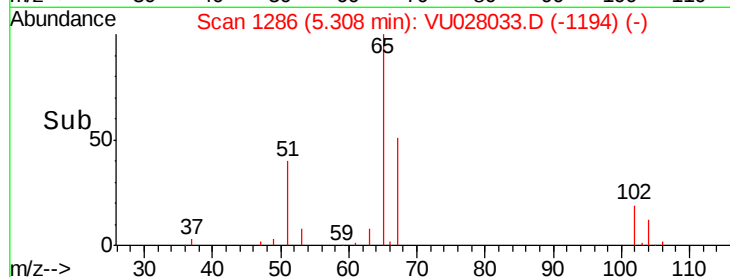
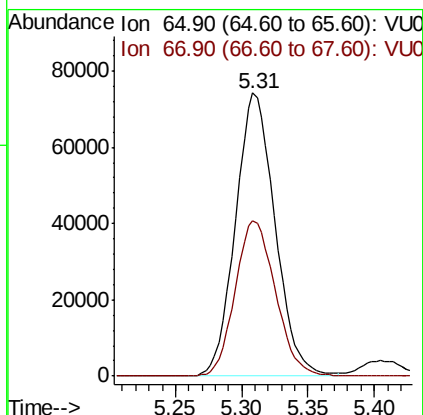
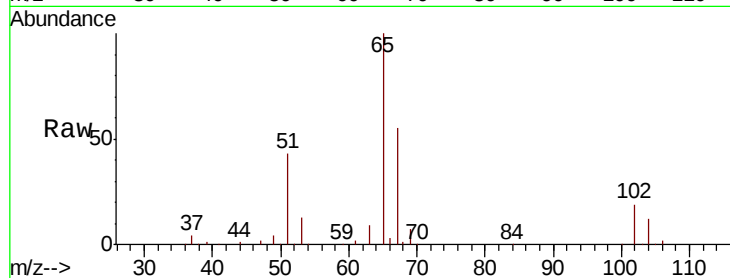




#33
 1,2-Dichloroethane-d4
 Concen: 54.008 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

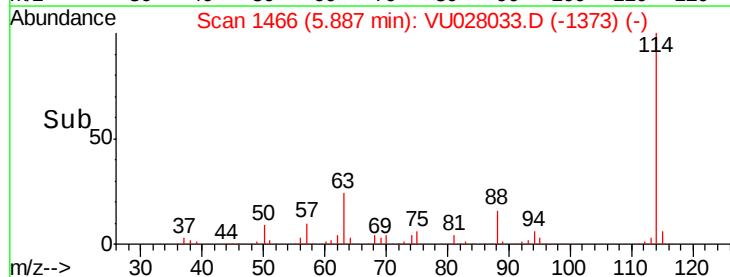
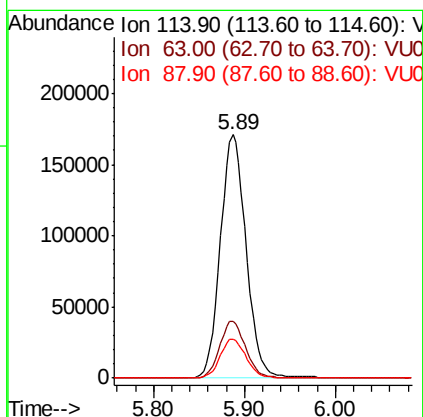
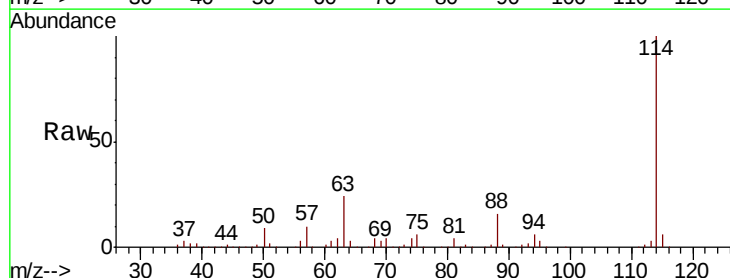
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

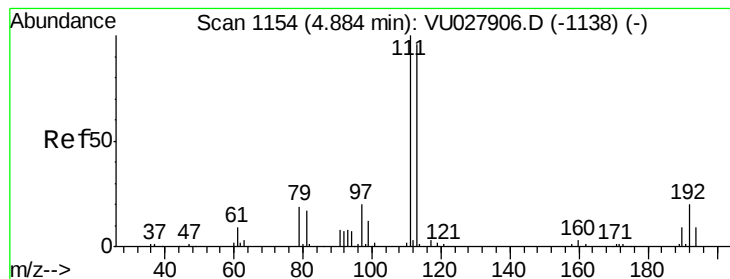
Tot Ion: 65 Resp: 154212
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 114 Resp: 336805
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 50.8
 88 16.2 0.0 35.8





#35

Dibromofluoromethane

Concen: 54.292 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

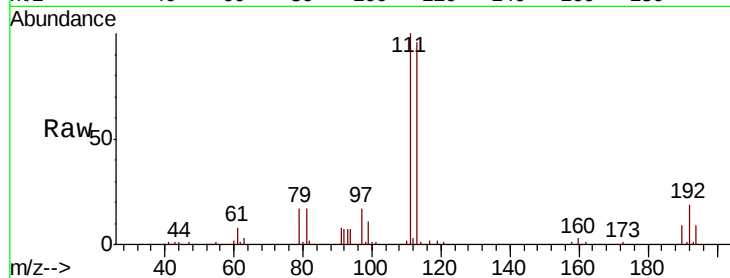
Tot Ion:113 Resp: 115294

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

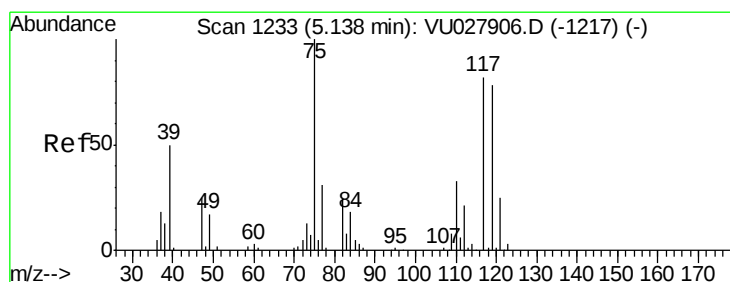
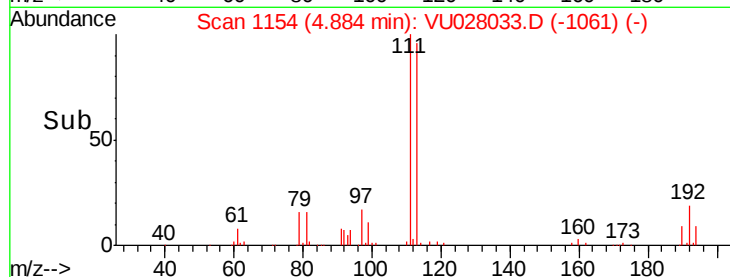
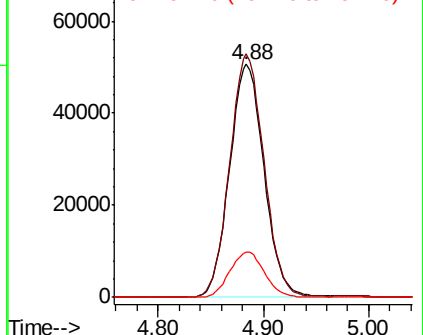
192 19.5 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.756 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

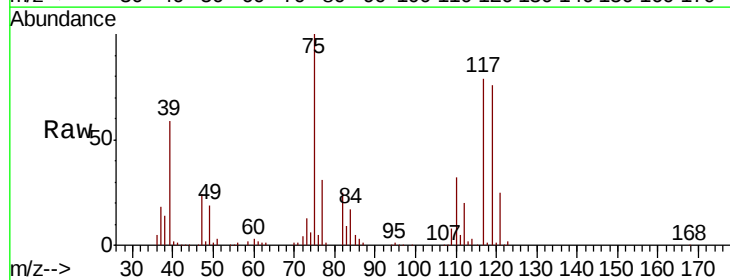
Tgt Ion: 75 Resp: 179040

Ion Ratio Lower Upper

75 100

110 32.3 16.5 49.5

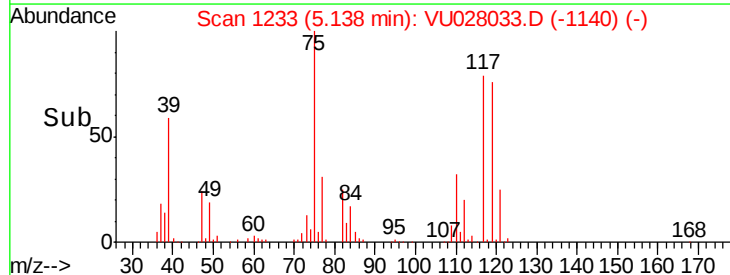
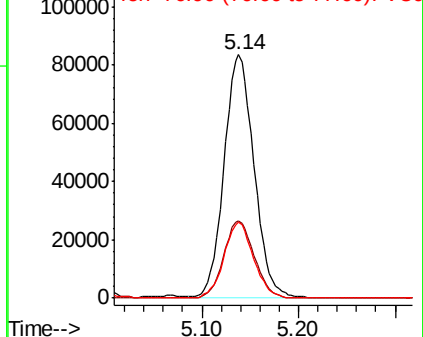
77 30.3 24.9 37.3

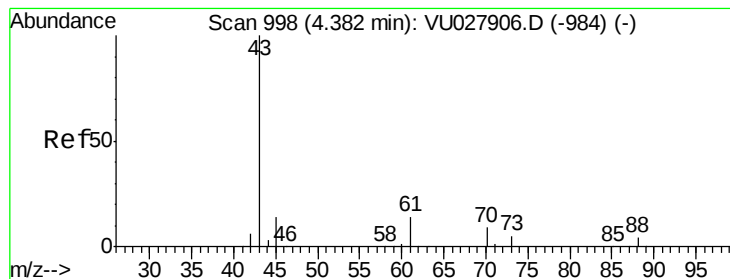


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 48.154 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

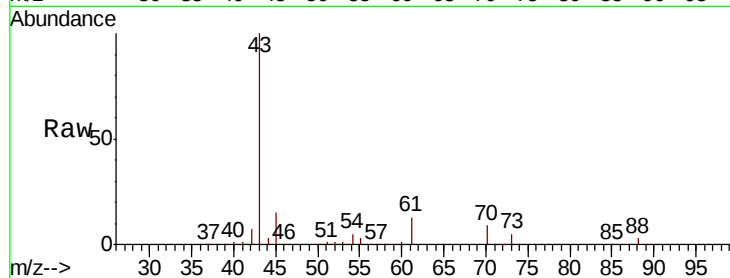
Tot Ion: 43 Resp: 248884

Ion Ratio Lower Upper

43 100

61 13.4 10.3 15.5

70 9.1 7.0 10.6

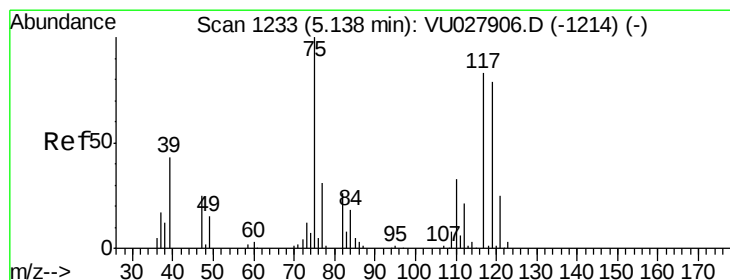
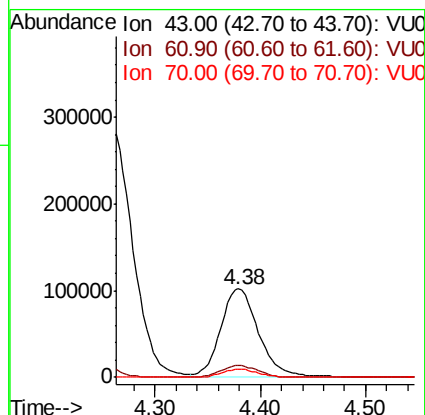
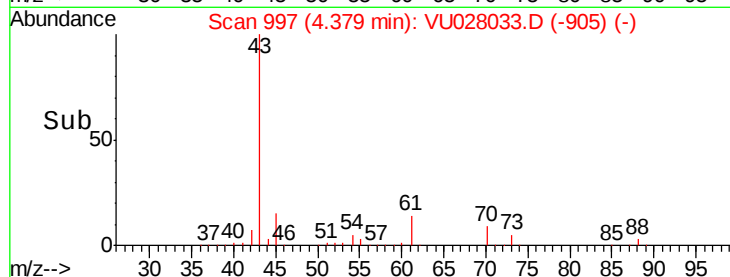


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU027906.D (-984) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 49.353 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

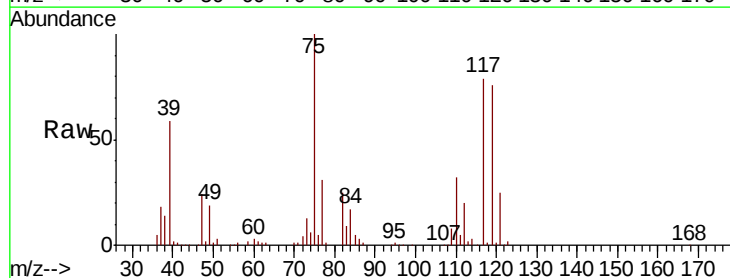
Tgt Ion: 117 Resp: 154282

Ion Ratio Lower Upper

117 100

119 95.6 76.0 114.0

121 31.0 24.5 36.7

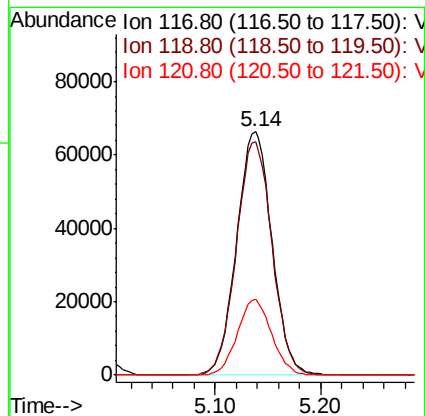
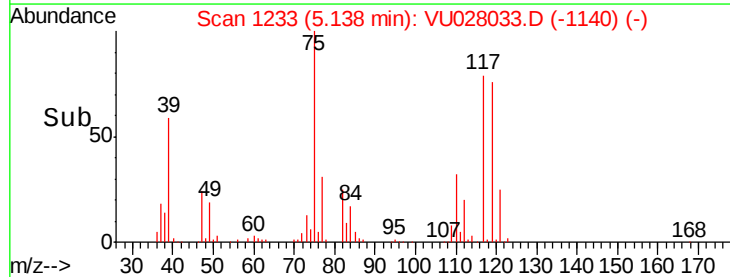


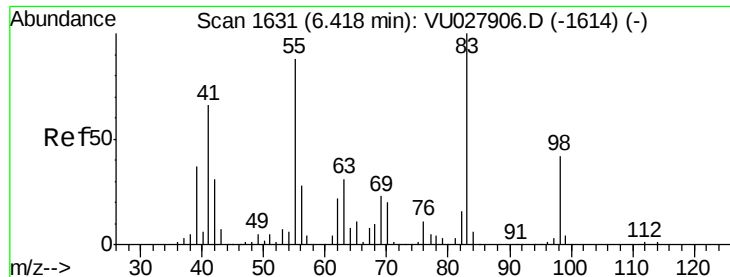
Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

Time-->

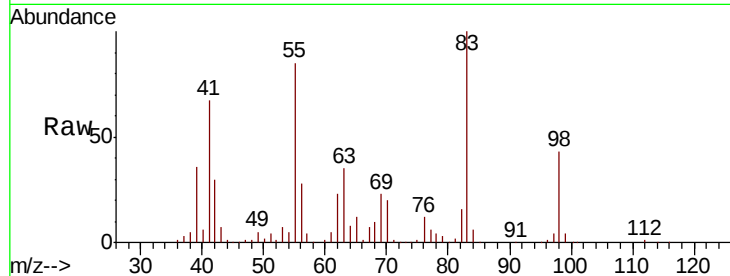




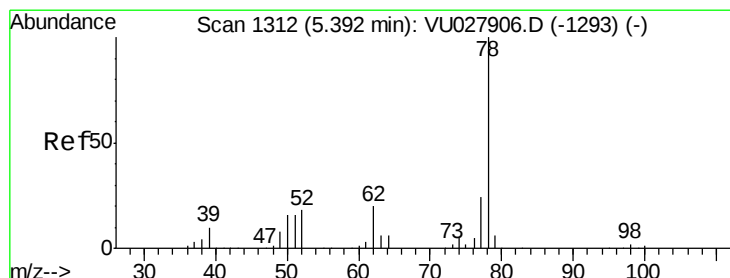
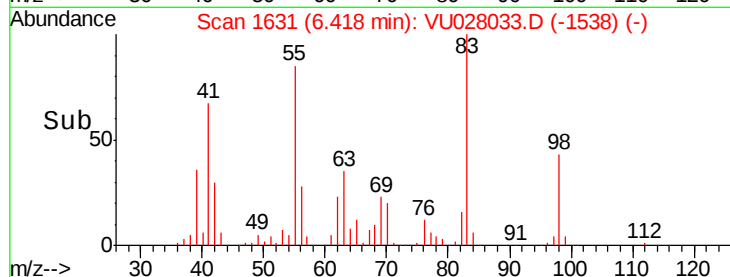
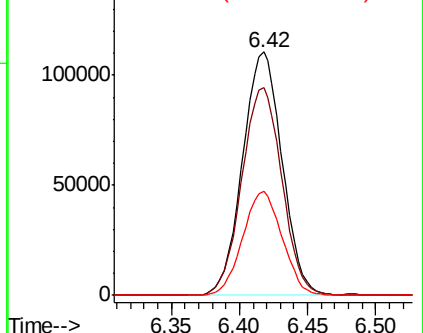
#39
Methvlcvclohexane
Concen: 52.323 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 222611
Ion Ratio Lower Upper
83 100
55 85.1 70.3 105.5
98 42.5 34.0 51.0

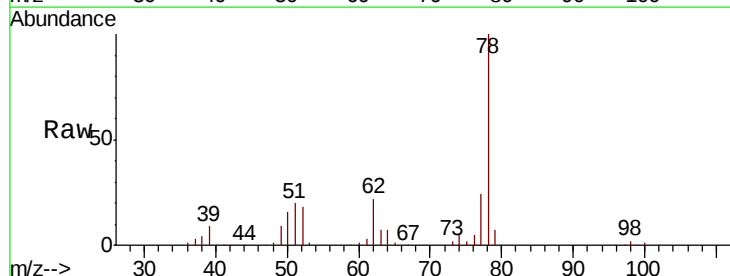


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

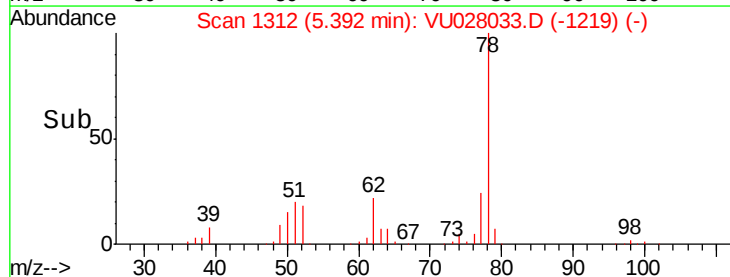
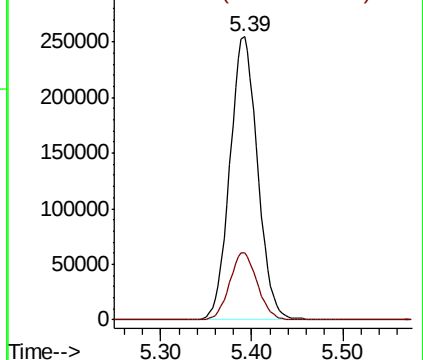


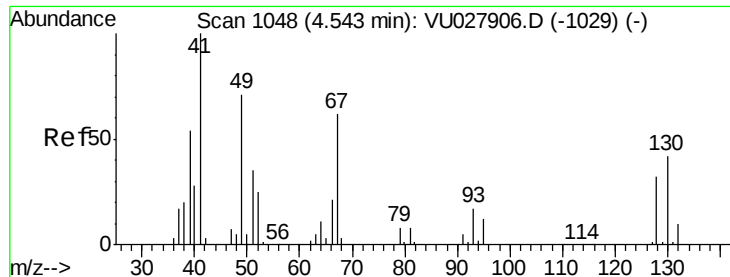
#40
Benzene
Concen: 49.981 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 78 Resp: 539035
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9



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





#41

Methacrylonitrile

Concen: 50.625 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 139638

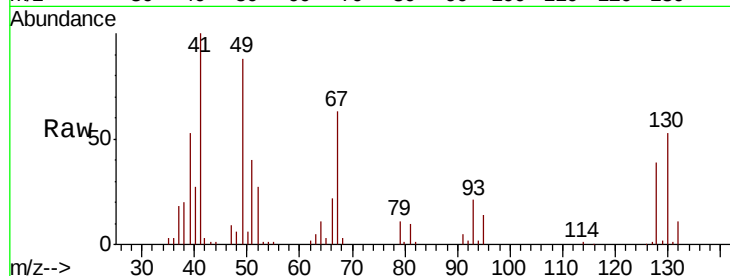
Ion Ratio Lower Upper

41 100

39 52.3 42.2 63.4

67 64.1 49.5 74.3

52 26.9 20.5 30.7

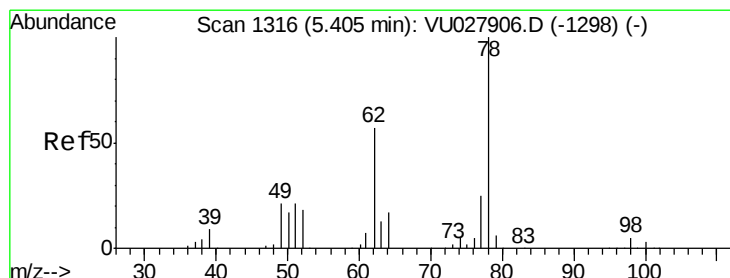
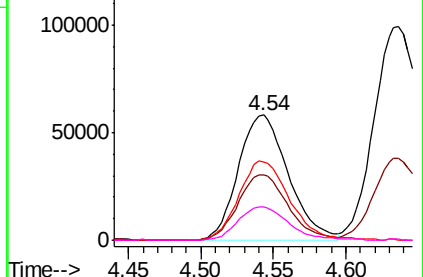
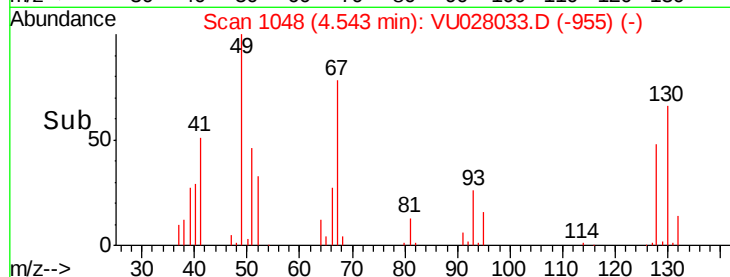


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 49.310 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028033.D

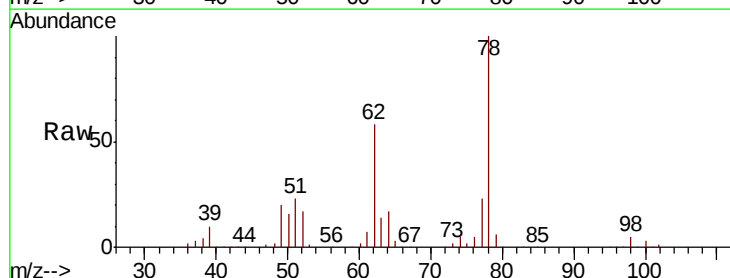
Acq: 09 Nov 2018 10:36

Tgt Ion: 62 Resp: 189030

Ion Ratio Lower Upper

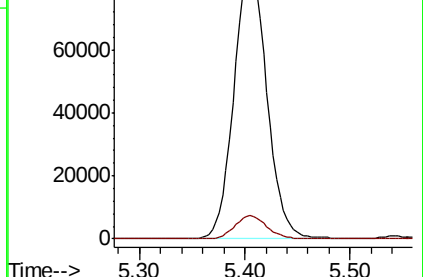
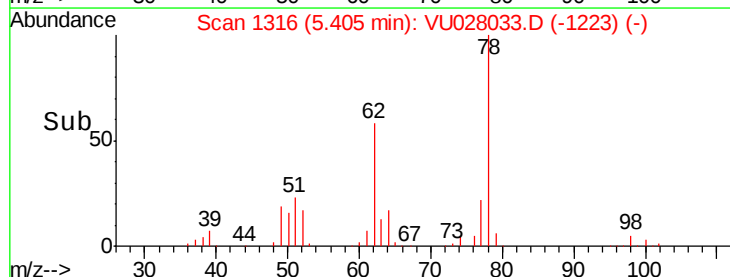
62 100

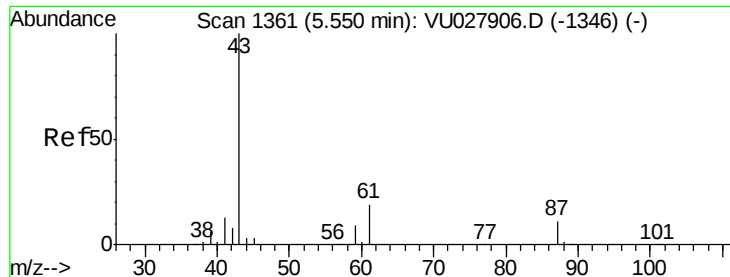
98 8.3 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 49.562 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

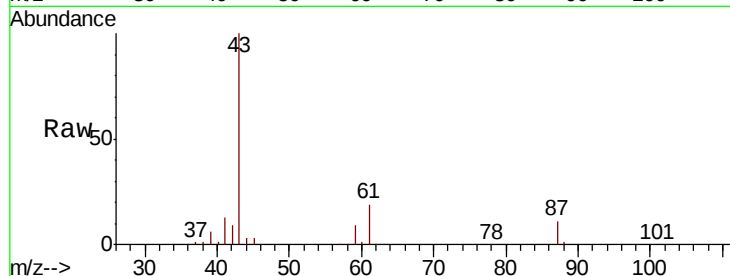
Tot Ion: 43 Resp: 401335

Ion Ratio Lower Upper

43 100

61 18.8 15.0 22.4

87 11.1 8.6 12.8

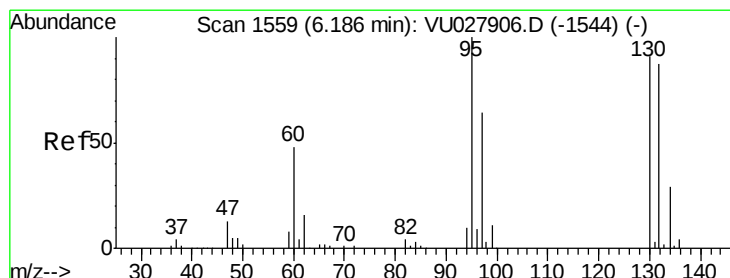
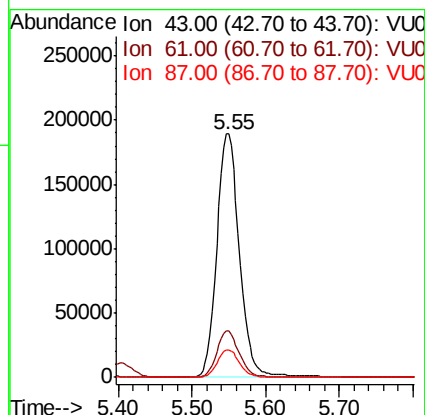
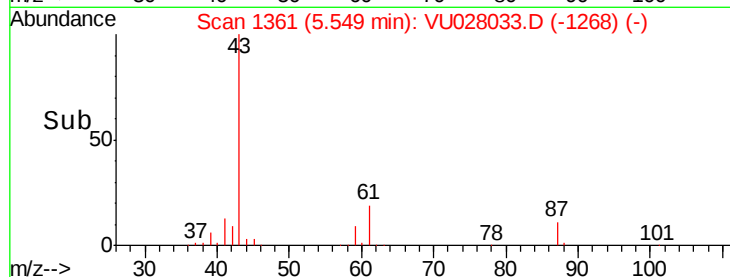


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)

Time-->



#44

Trichloroethene

Concen: 51.058 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028033.D

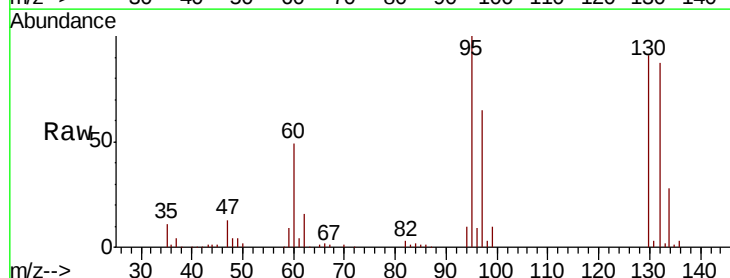
Acq: 09 Nov 2018 10:36

Tgt Ion:130 Resp: 118364

Ion Ratio Lower Upper

130 100

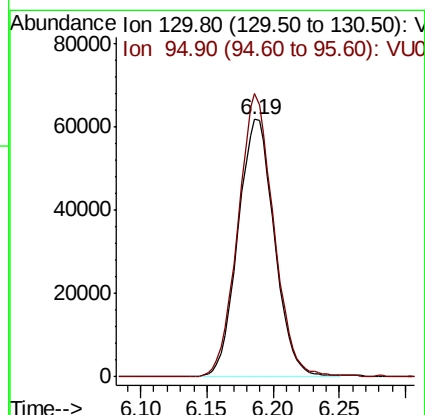
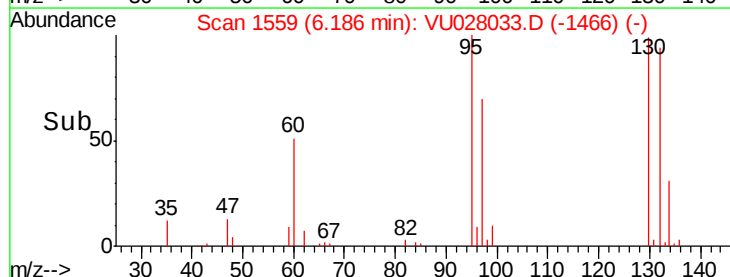
95 110.0 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.332 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

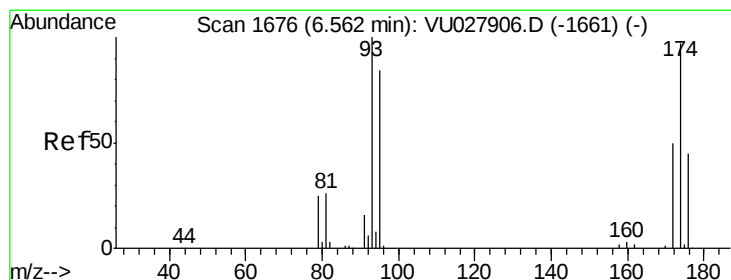
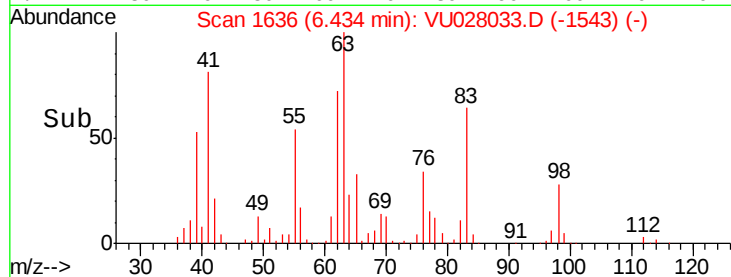
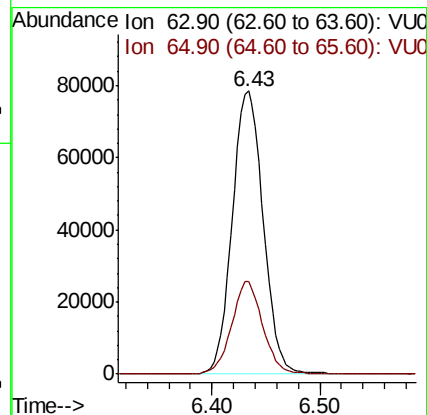
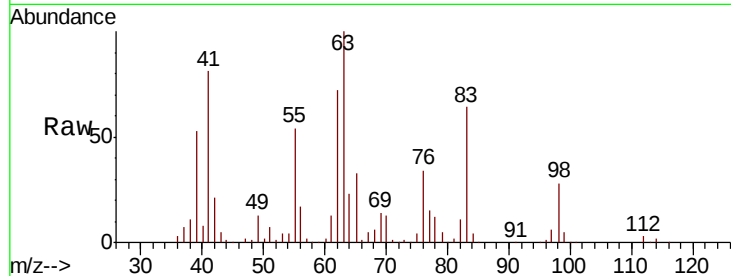
VSTDCCC050

Tot Ion: 63 Resp: 156546

Ion Ratio Lower Upper

63 100

65 32.7 24.4 36.6



#46

Dibromomethane

Concen: 50.366 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

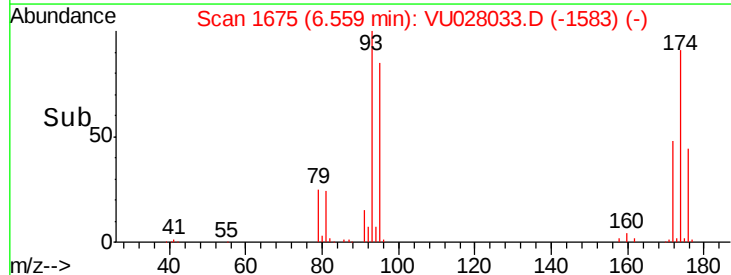
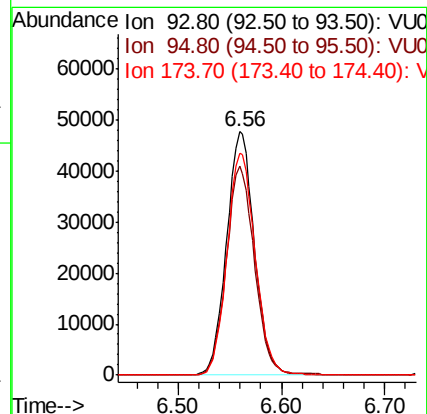
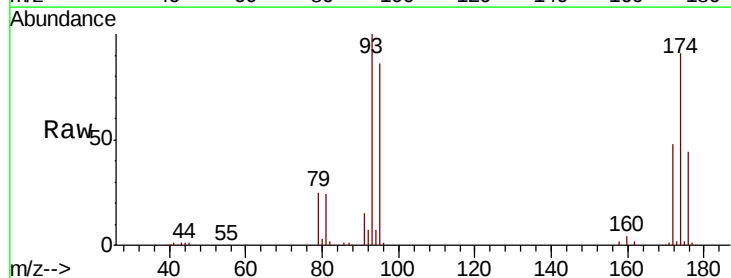
Tgt Ion: 93 Resp: 90045

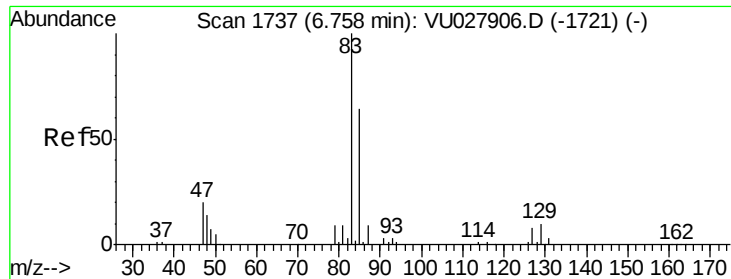
Ion Ratio Lower Upper

93 100

95 86.0 68.5 102.7

174 92.2 76.1 114.1





#47

Bromodichloromethane

Concen: 52.061 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

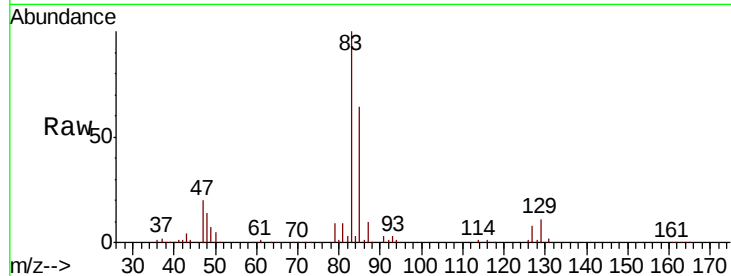
Tot Ion: 83 Resp: 179367

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

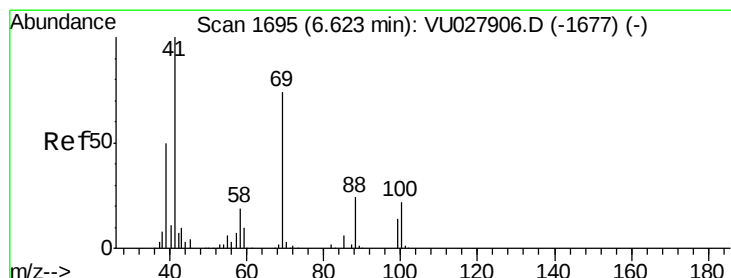
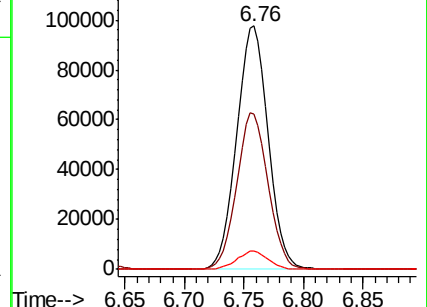
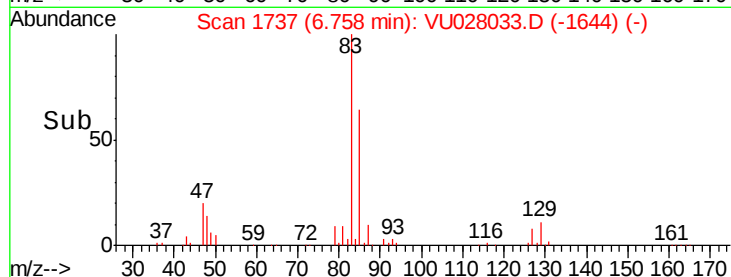
127 7.7 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028033.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU028033.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU028033.D (-1644) (-)



#48

Methyl methacrylate

Concen: 50.935 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

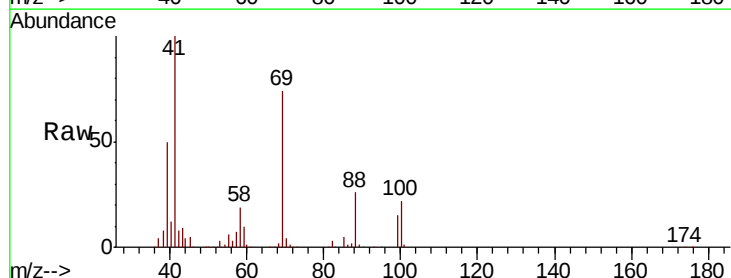
Tgt Ion: 41 Resp: 202118

Ion Ratio Lower Upper

41 100

69 75.7 59.8 89.8

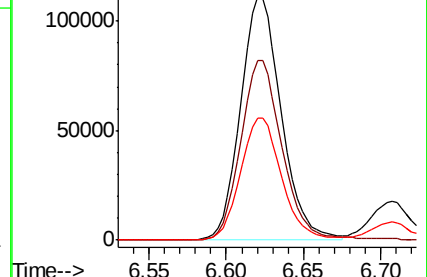
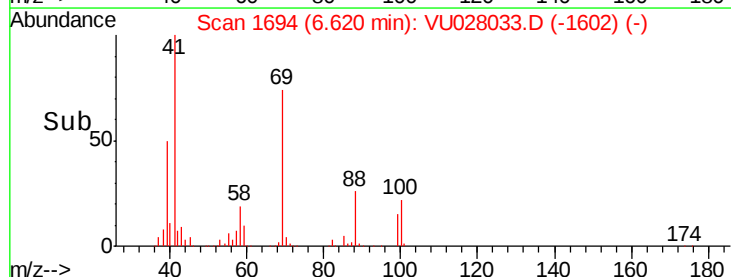
39 51.3 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VU028033.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU028033.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU028033.D (-1602) (-)

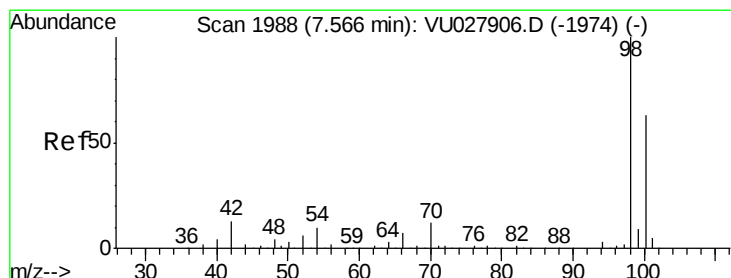
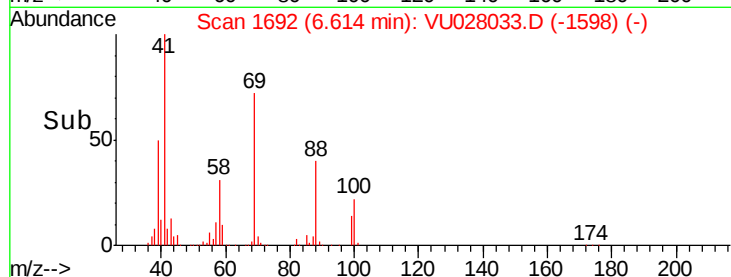
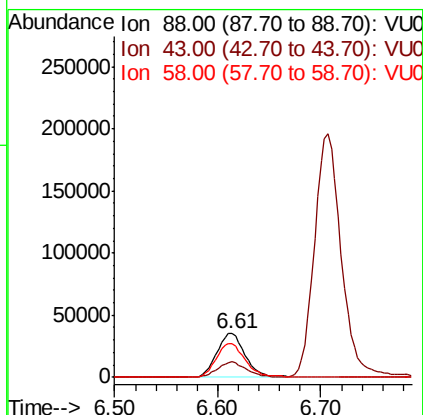
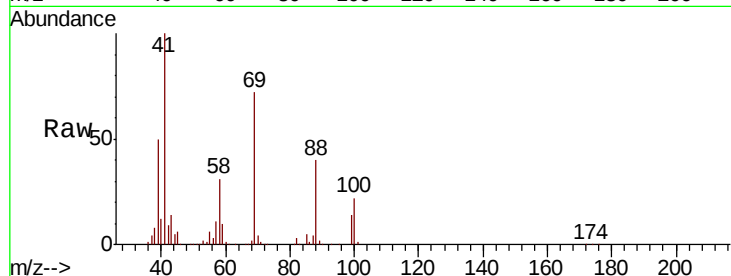




#49
1,4-Dioxane
Concen: 1035.286 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

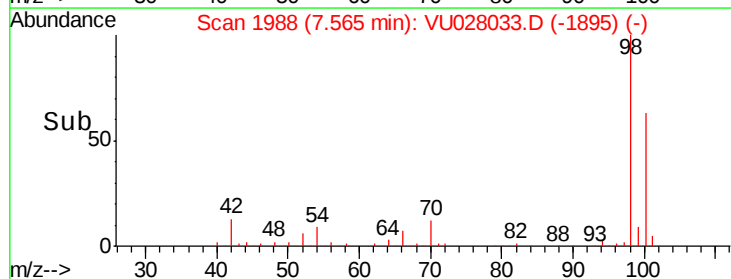
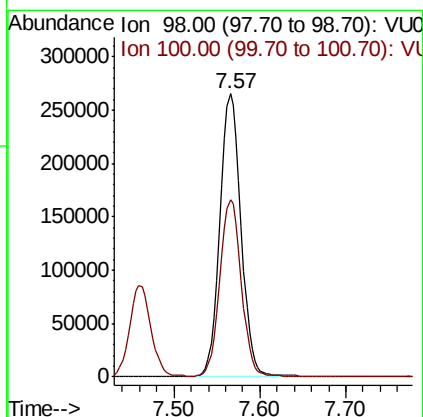
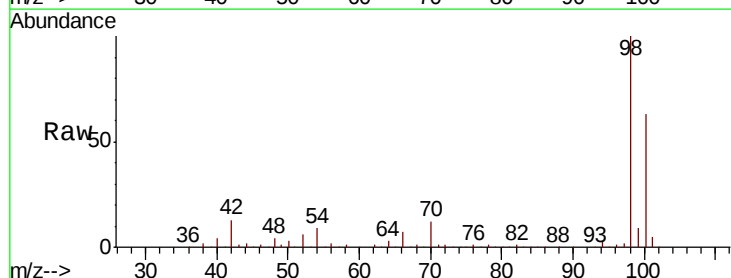
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

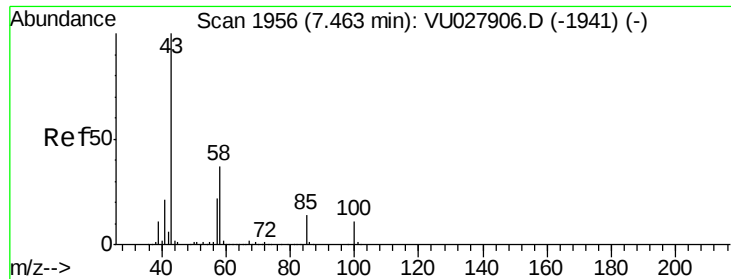
Tot Ion: 88 Resp: 67025
Ion Ratio Lower Upper
88 100
43 35.0 30.5 45.7
58 79.4 67.1 100.7



#50
Toluene-d8
Concen: 55.656 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 98 Resp: 456563
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 243.062 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

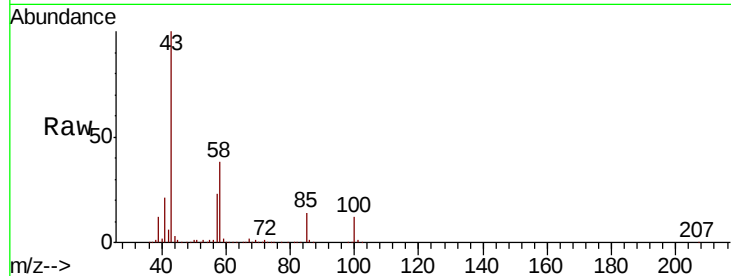
VSTDCCC050

Tot Ion: 43 Resp: 1314436

Ion Ratio Lower Upper

43 100

58 37.5 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

600000

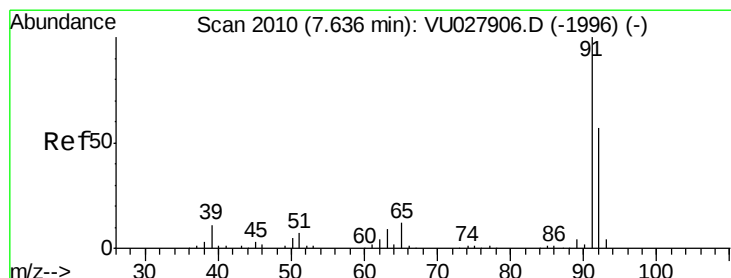
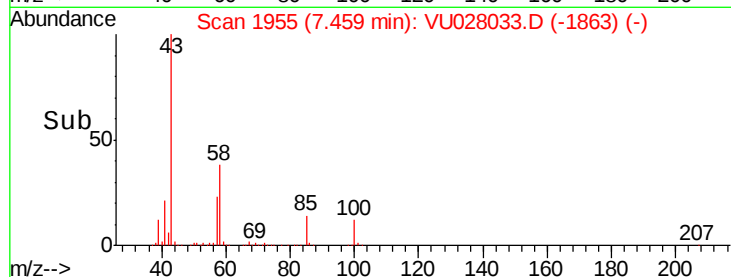
400000

200000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 50.185 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028033.D

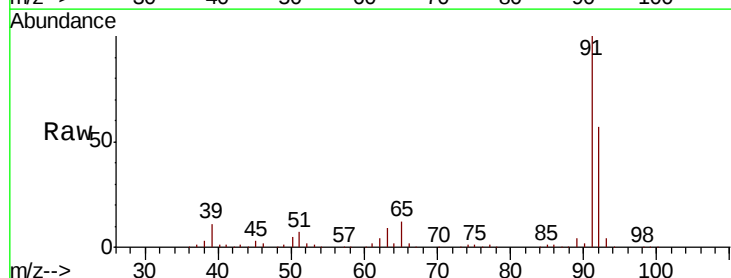
Acq: 09 Nov 2018 10:36

Tgt Ion: 92 Resp: 318192

Ion Ratio Lower Upper

92 100

91 177.8 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

300000

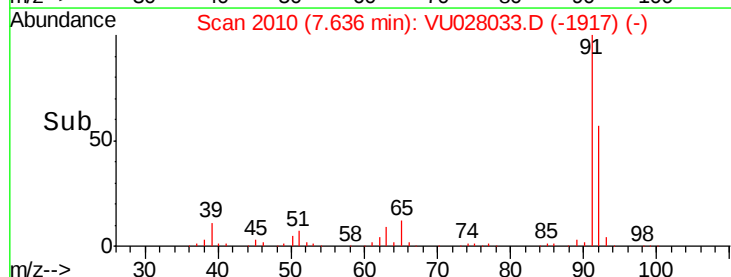
200000

100000

0

7.55 7.60 7.65 7.70

Time-->

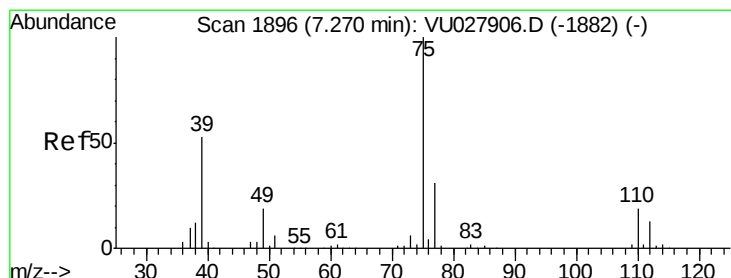
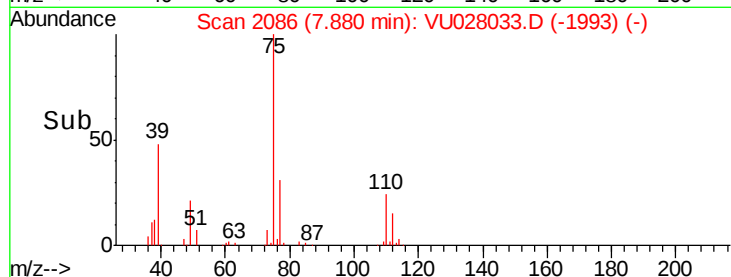
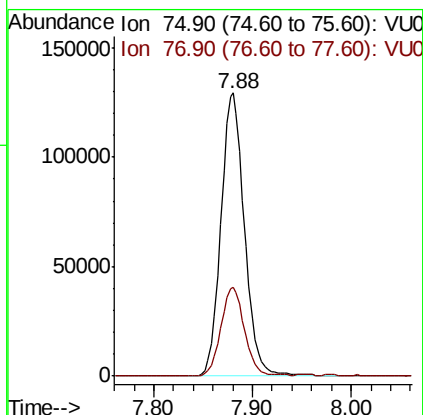
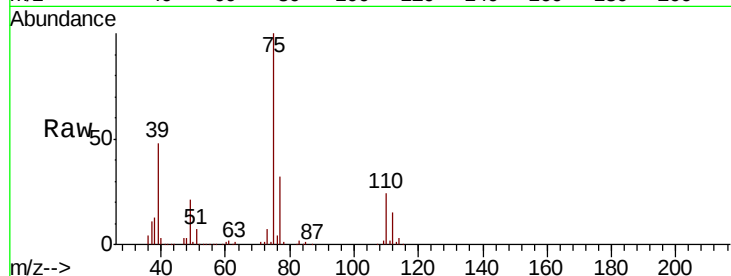




#53
t-1,3-Dichloropropene
Concen: 50.661 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

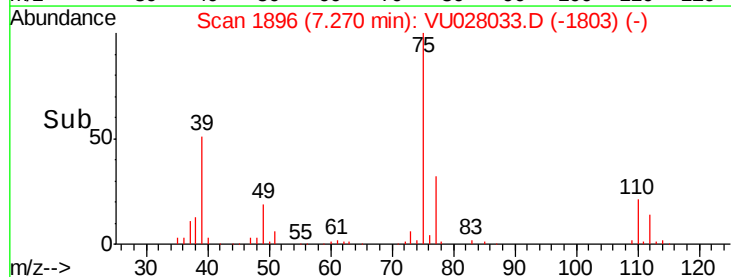
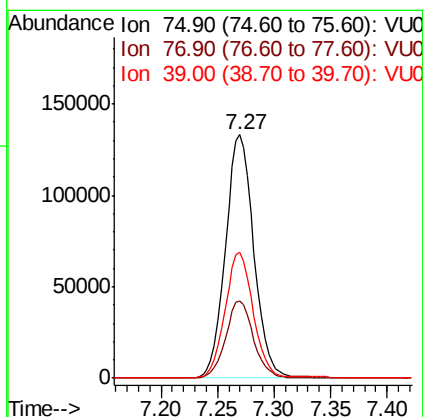
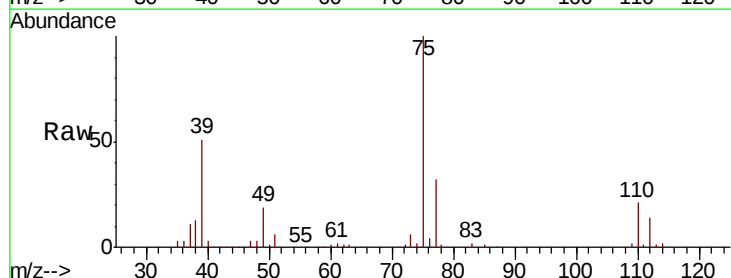
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

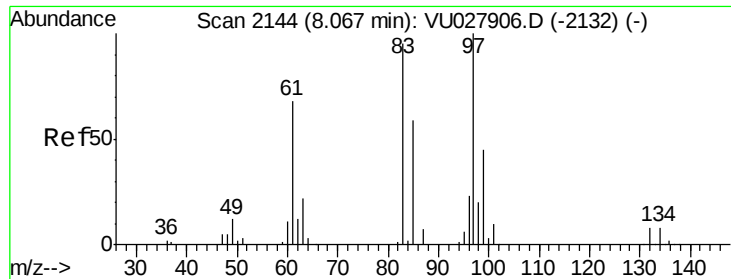
Tot Ion: 75 Resp: 216516
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 54.623 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 75 Resp: 231999
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0
39 51.5 42.6 64.0

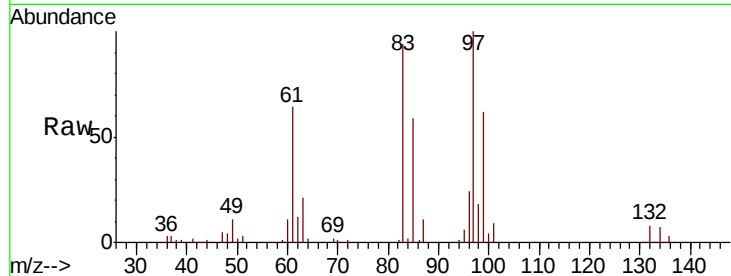




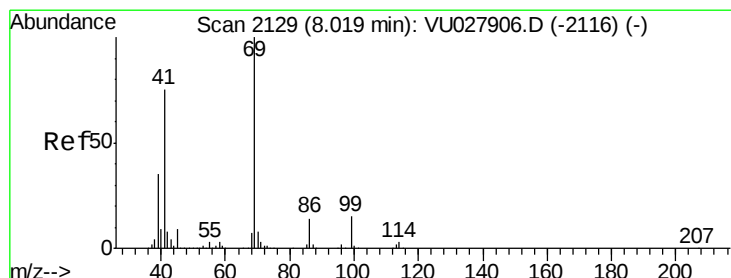
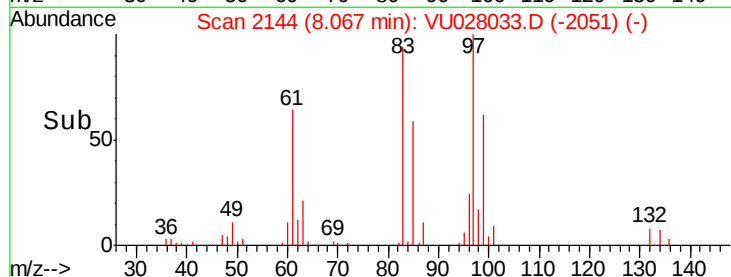
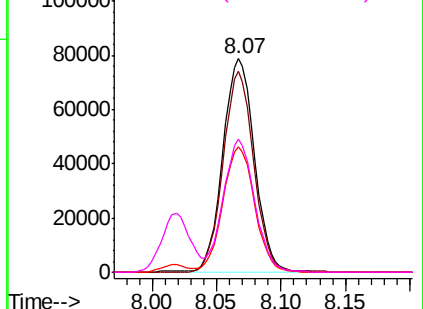
#55
 1,1,2-Trichloroethane
 Concen: 51.584 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	133062
Ion	Ratio	Lower	Upper
97	100		
83	94.2	76.1	114.1
85	58.4	48.9	73.3
99	62.2	52.0	78.0

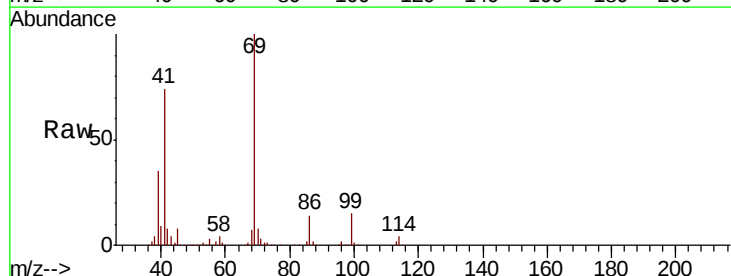


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

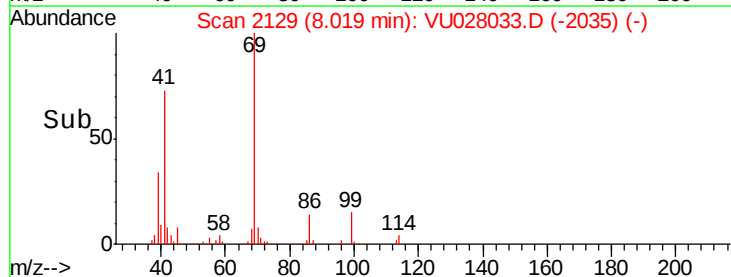
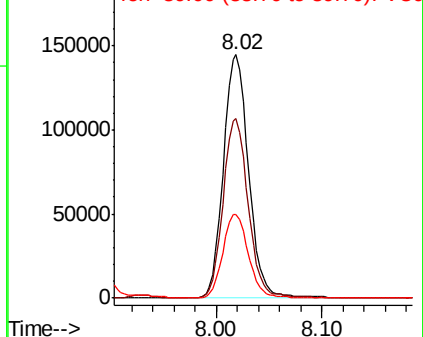


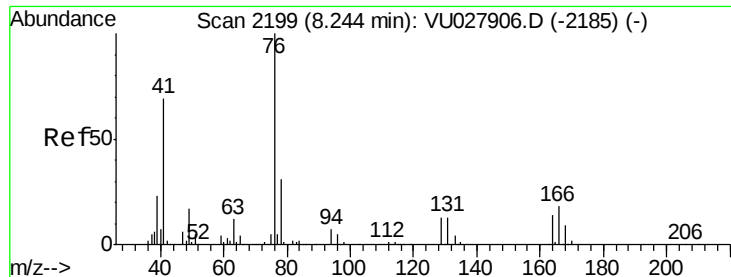
#56
 Ethyl methacrylate
 Concen: 52.546 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion:	69	Resp:	239029
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.8	89.6
39	34.5	28.6	42.8



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





#57

1,3-Dichloropropane

Concen: 50.585 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

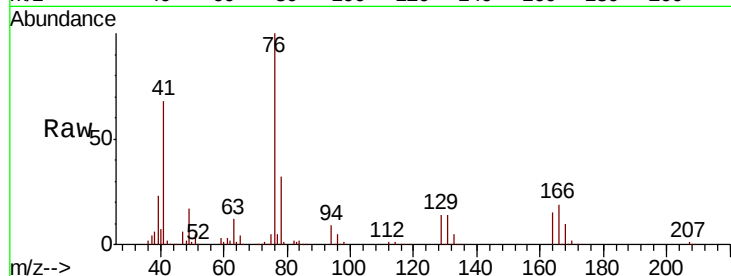
VSTDCCC050

Tot Ion: 76 Resp: 237693

Ion Ratio Lower Upper

76 100

78 32.4 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

150000

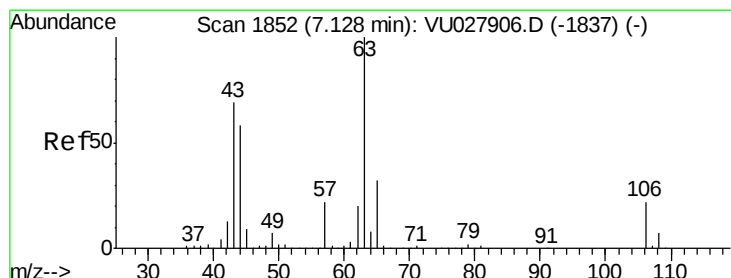
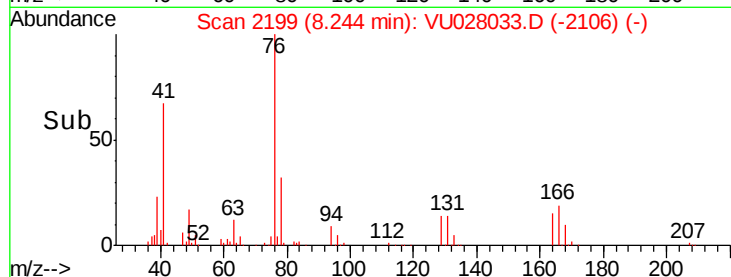
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.563 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028033.D

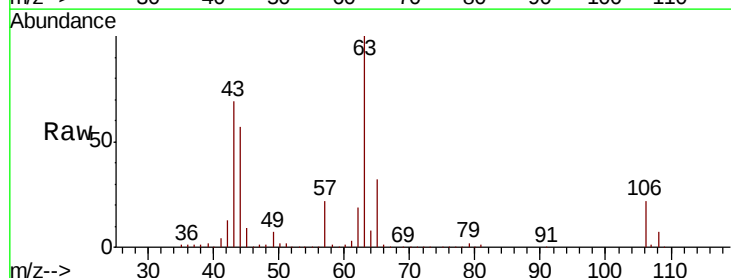
Acq: 09 Nov 2018 10:36

Tgt Ion: 63 Resp: 644562

Ion Ratio Lower Upper

63 100

106 21.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

400000

300000

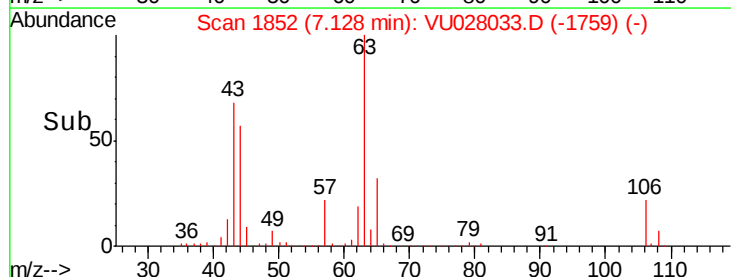
200000

100000

0

7.10 7.20

Time-->

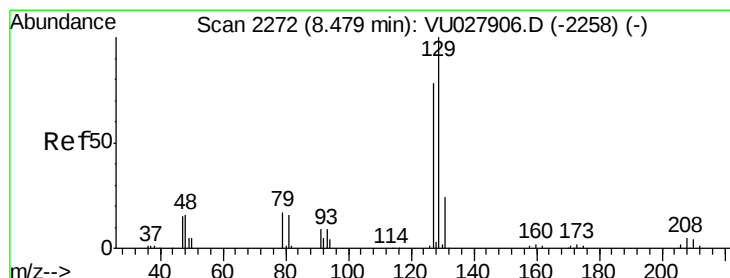
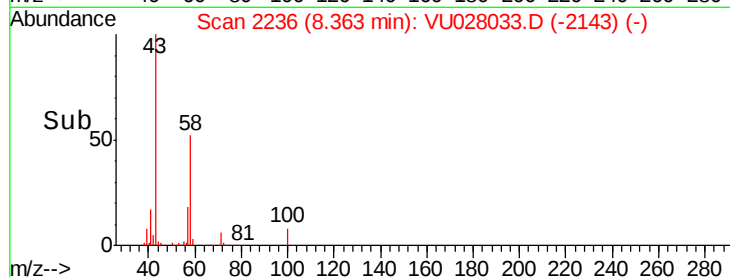
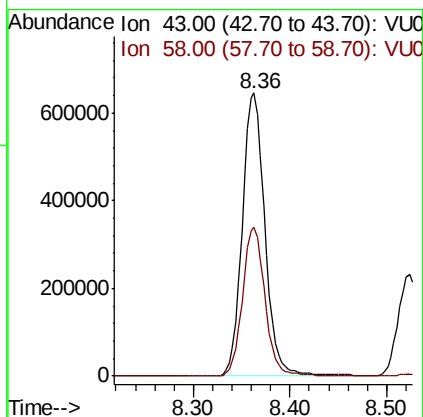
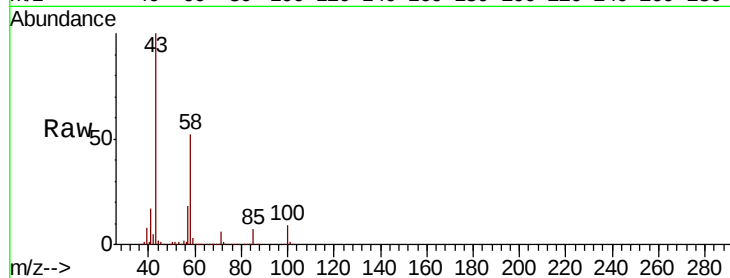




#59
2-Hexanone
Concen: 249.928 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

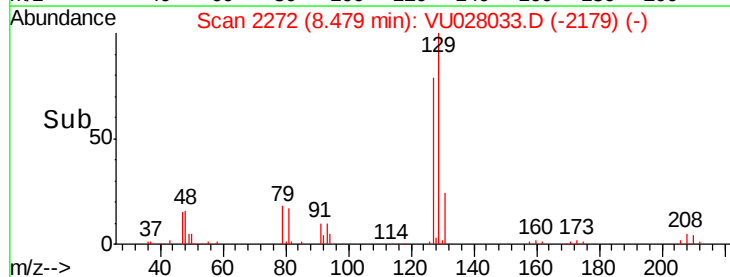
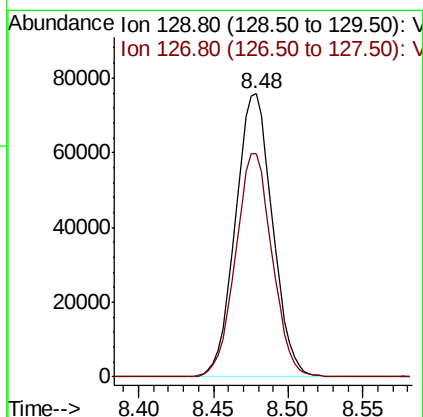
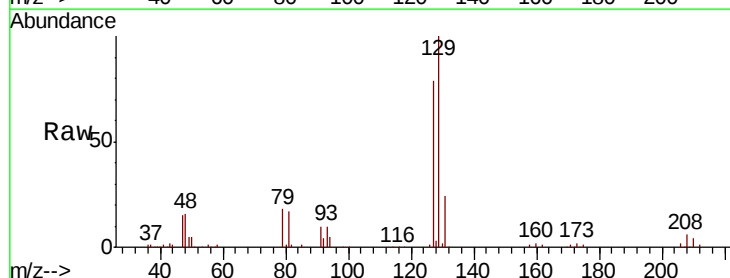
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

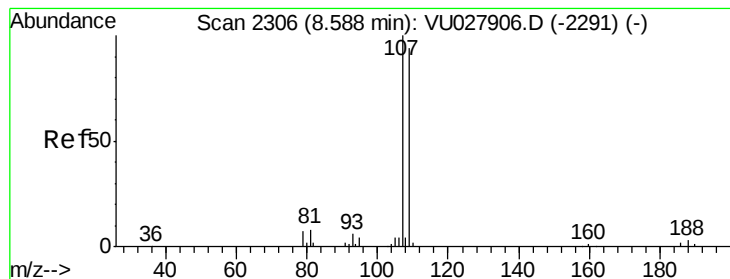
Tot Ion: 43 Resp: 1045342
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3



#60
Dibromochloromethane
Concen: 53.579 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 129 Resp: 130784
Ion Ratio Lower Upper
129 100
127 78.2 39.2 117.6





#61

1,2-Dibromoethane

Concen: 51.939 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

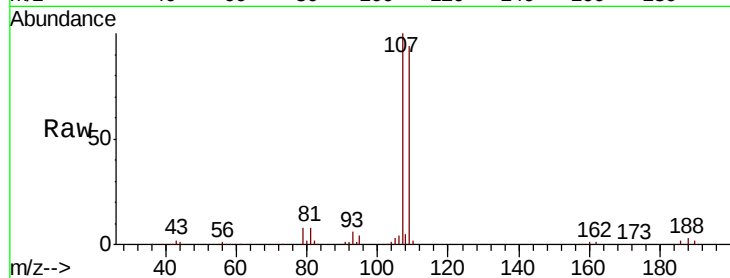
VSTDCCC050

Tot Ion:107 Resp: 142361

Ion Ratio Lower Upper

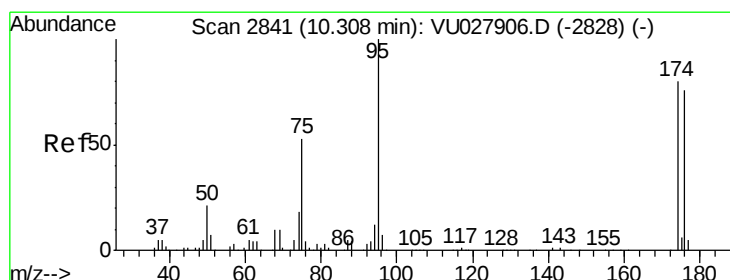
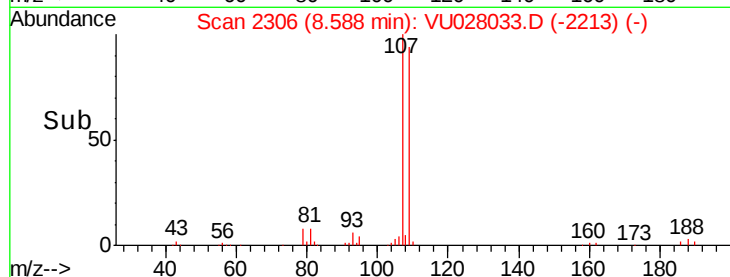
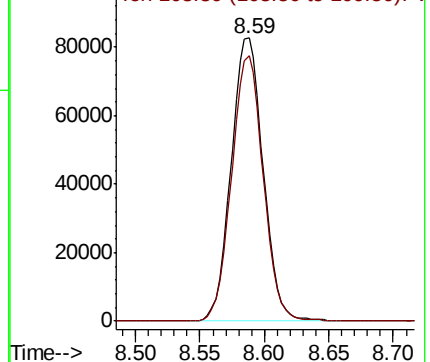
107 100

109 92.8 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.997 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

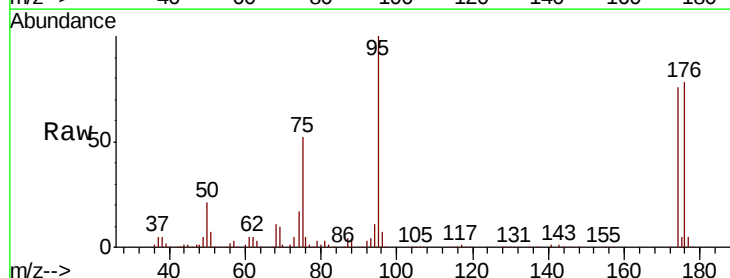
Tgt Ion: 95 Resp: 169434

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.4

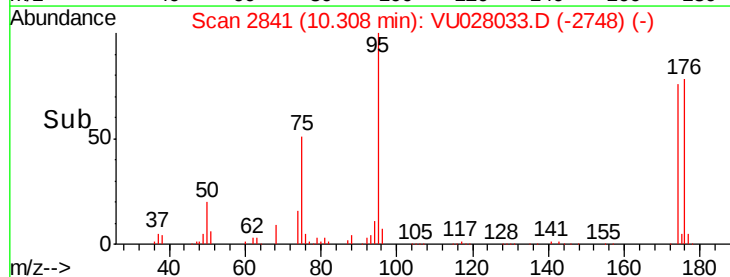
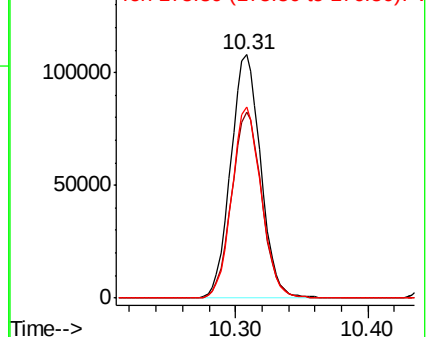
176 76.8 0.0 150.8

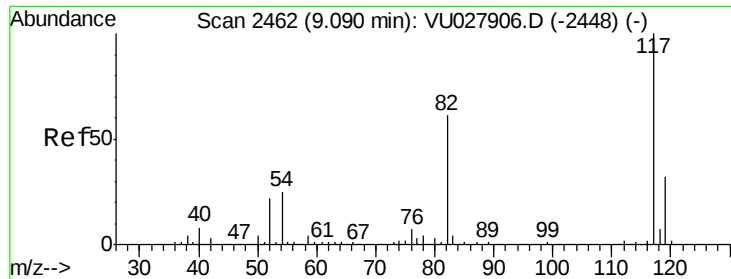


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

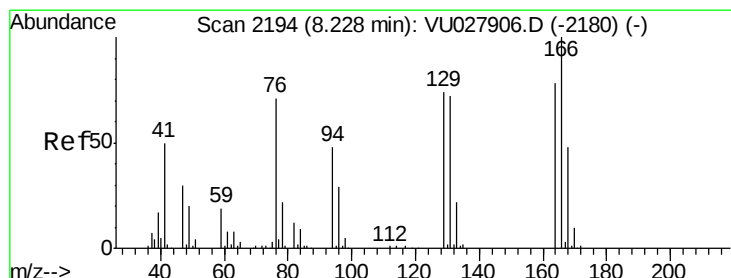
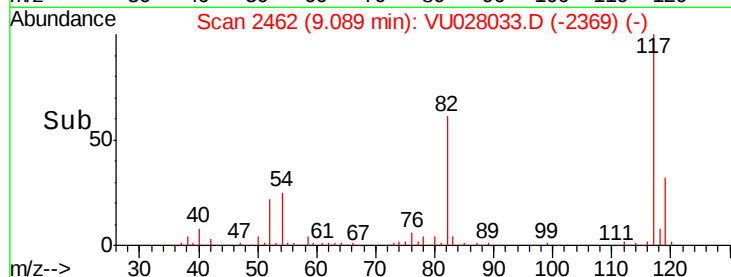
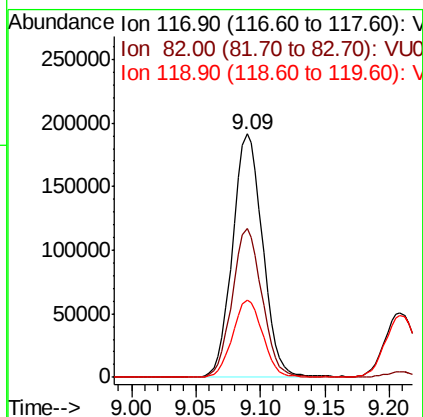
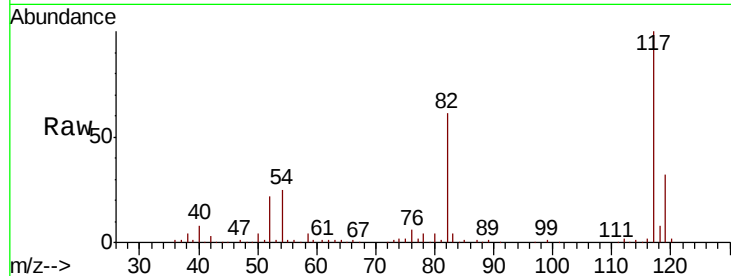




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

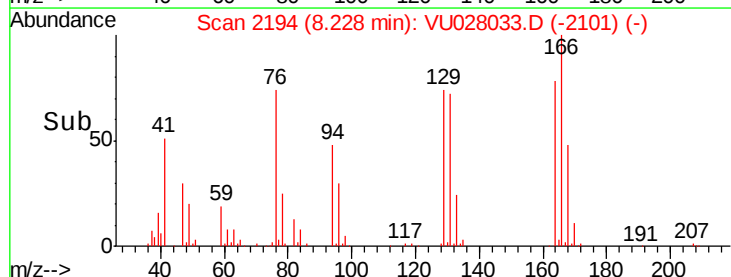
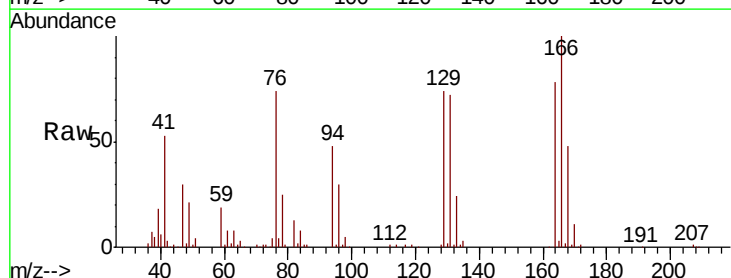
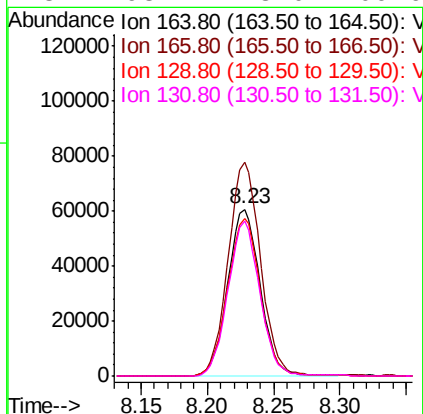
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

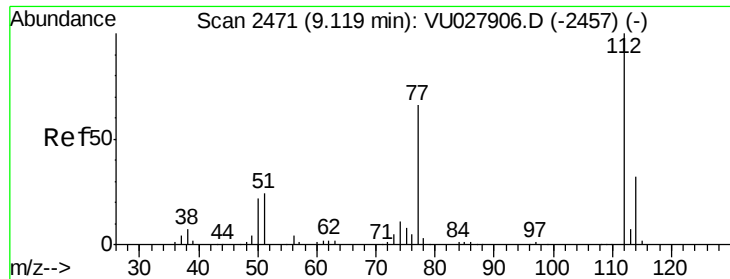
Tot Ion:117 Resp: 310986
Ion Ratio Lower Upper
117 100
82 61.1 48.6 73.0
119 31.6 25.8 38.8



#64
Tetrachloroethene
Concen: 51.153 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:164 Resp: 103150
Ion Ratio Lower Upper
164 100
166 128.4 102.1 153.1
129 94.9 75.9 113.9
131 93.1 73.0 109.6

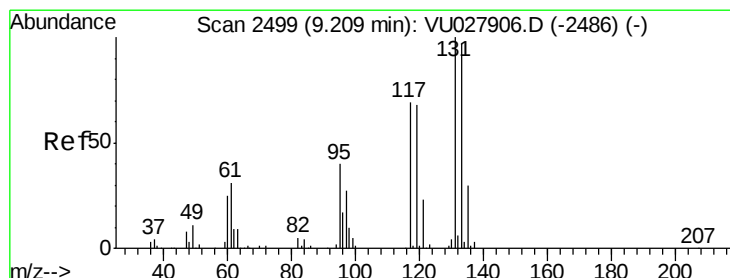
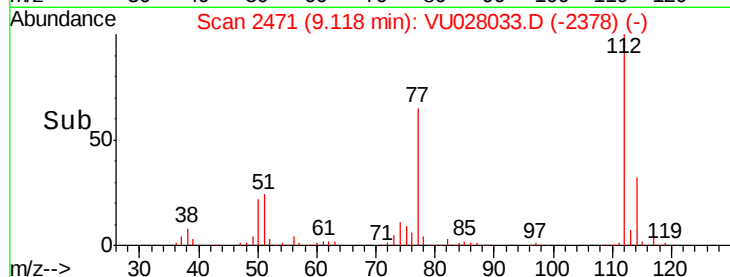
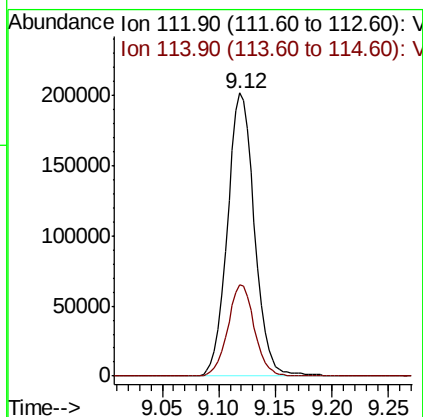
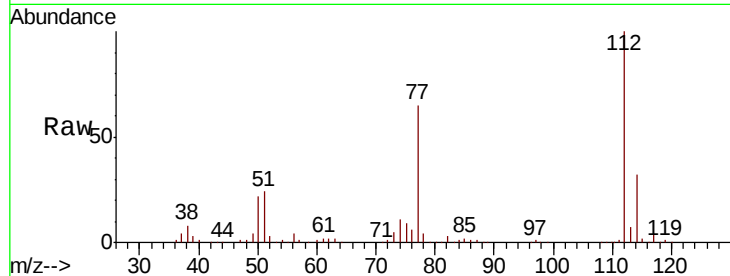




#65
Chlorobenzene
Concen: 51.116 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

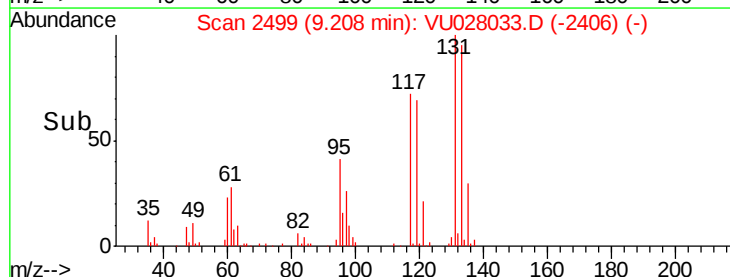
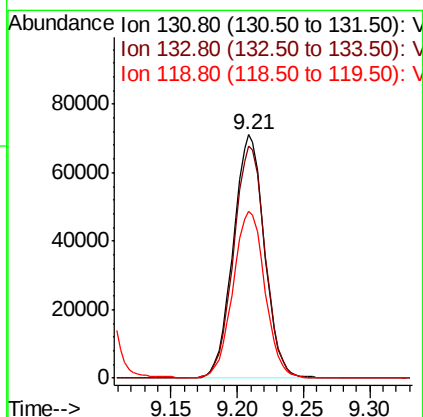
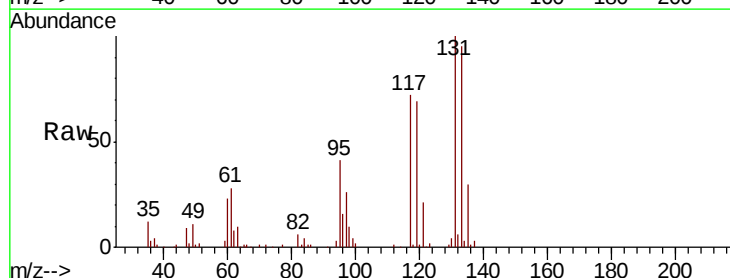
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

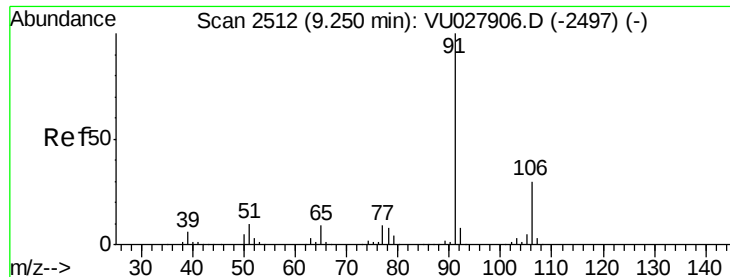
Tot Ion:112 Resp: 335850
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.859 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:131 Resp: 116382
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 69.7 34.0 101.8





#67

Ethyl Benzene

Concen: 52.112 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

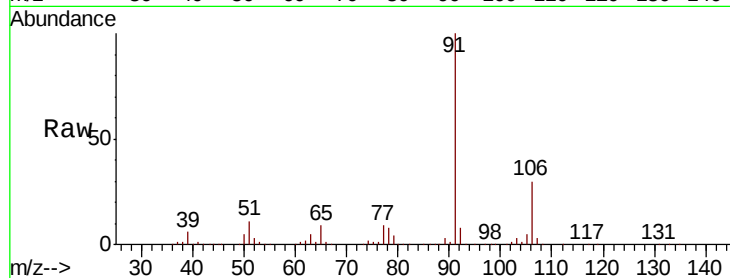
VSTDCCC050

Tot Ion: 91 Resp: 630234

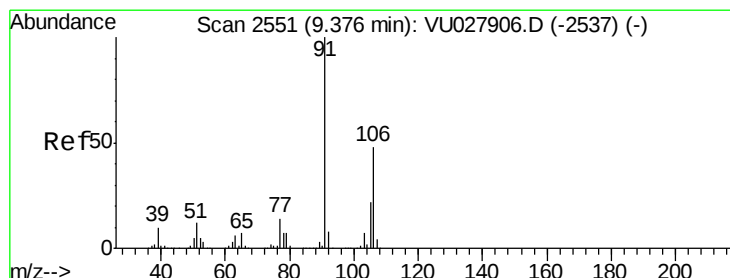
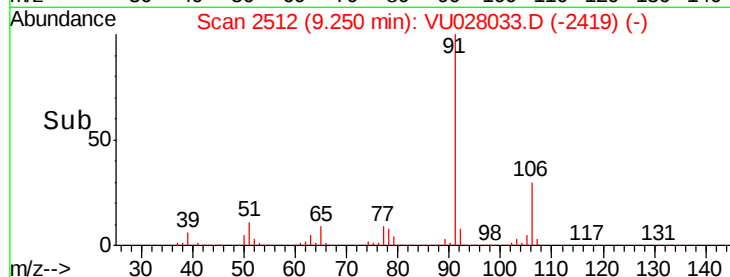
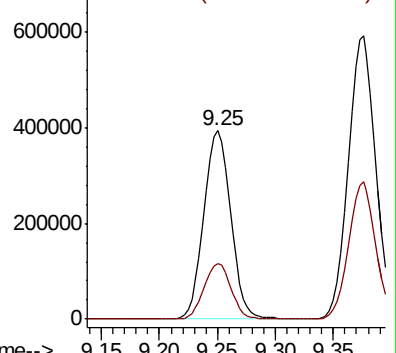
Ion Ratio Lower Upper

91 100

106 29.8 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2497) (-)



#68

m/p-Xylenes

Concen: 106.603 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028033.D

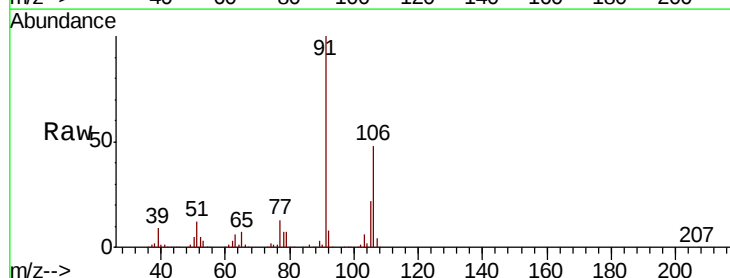
Acq: 09 Nov 2018 10:36

Tgt Ion: 106 Resp: 467787

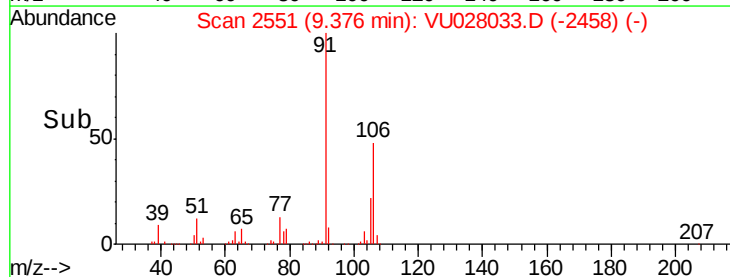
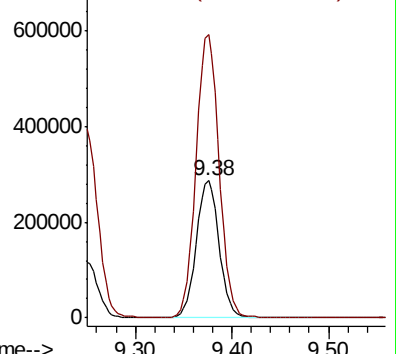
Ion Ratio Lower Upper

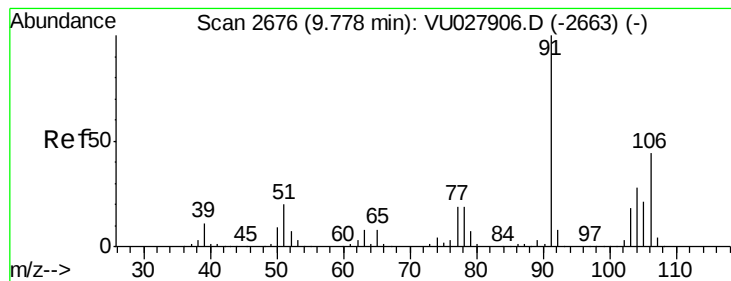
106 100

91 208.0 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): VU027906.D (-2537) (-)





#69

o-Xylene

Concen: 50.564 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

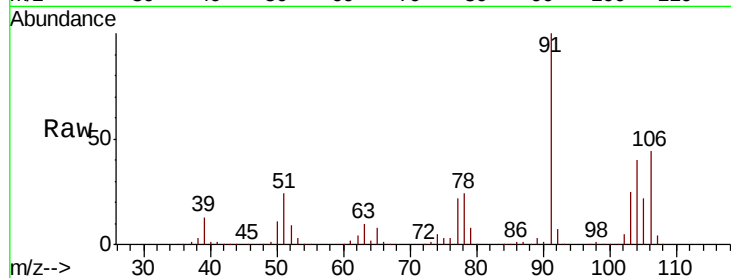
VSTDCCC050

Tot Ion:106 Resp: 224053

Ion Ratio Lower Upper

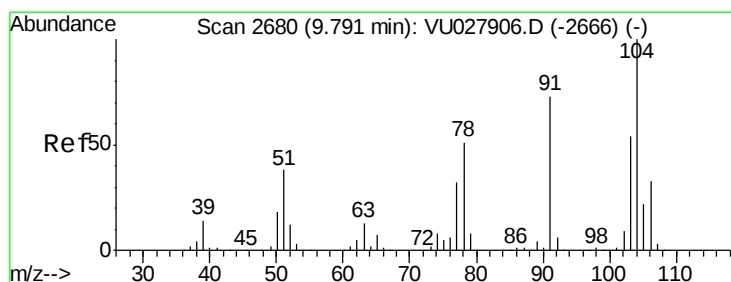
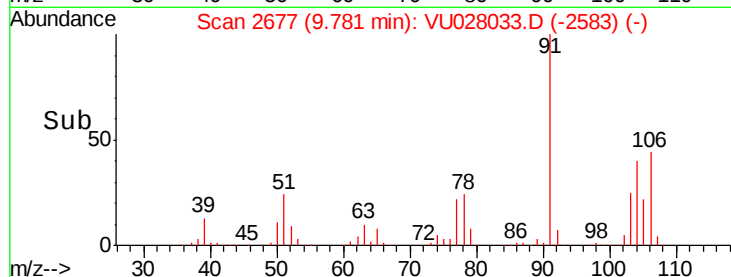
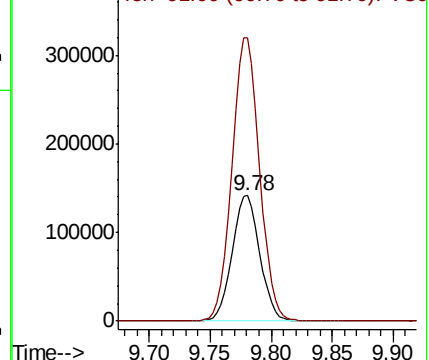
106 100

91 225.9 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#70

Styrene

Concen: 52.891 ug/l

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

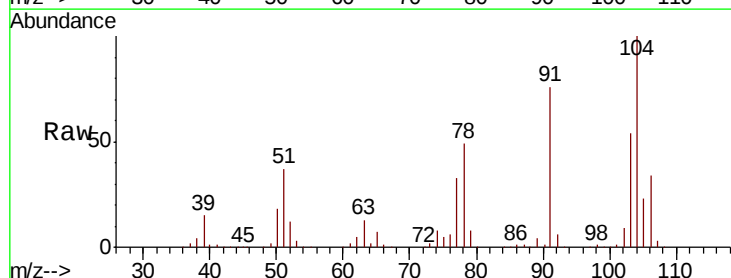
Tgt Ion:104 Resp: 374471

Ion Ratio Lower Upper

104 100

78 52.8 43.0 64.4

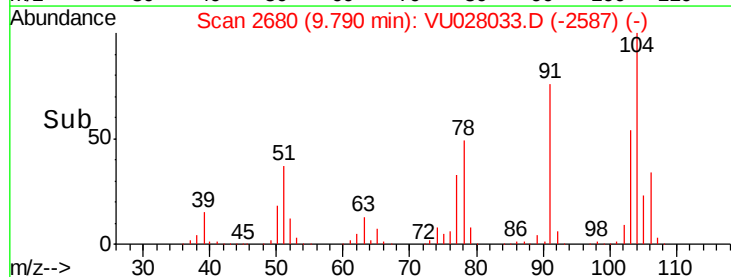
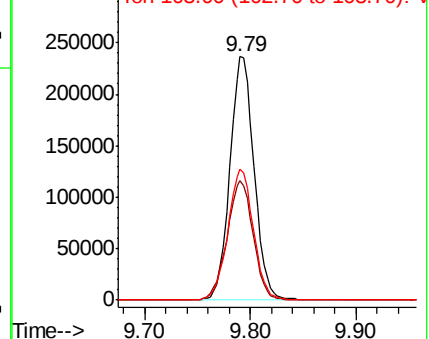
103 56.8 45.1 67.7



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: 54.483 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

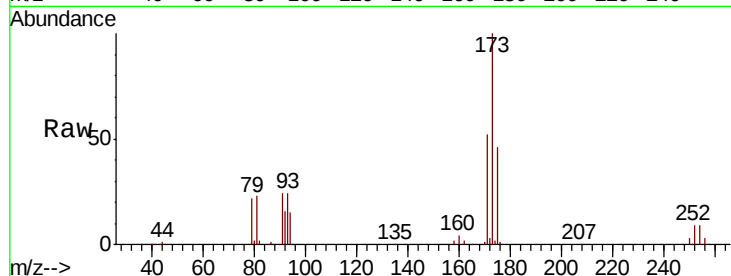
Tot Ion:173 Resp: 102471

Ion Ratio Lower Upper

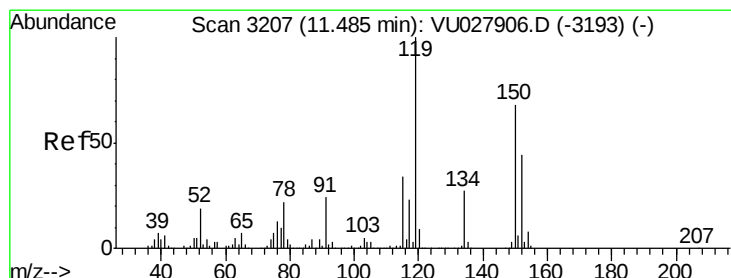
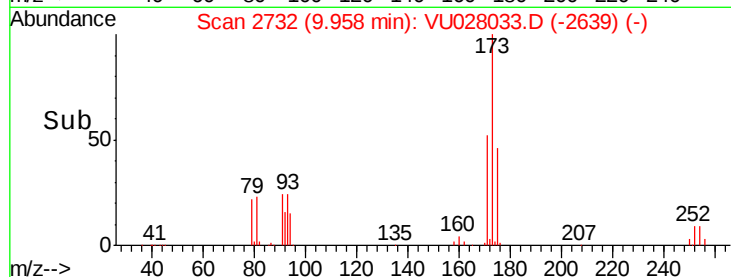
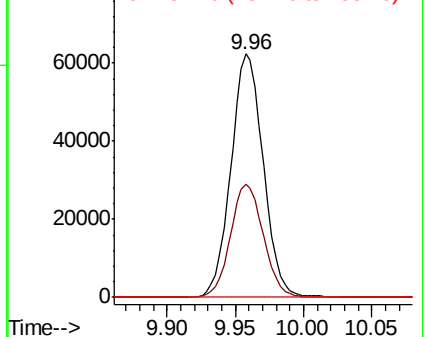
173 100

175 47.5 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

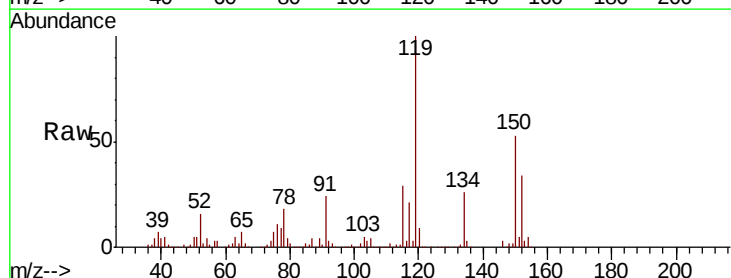
Tgt Ion:152 Resp: 156645

Ion Ratio Lower Upper

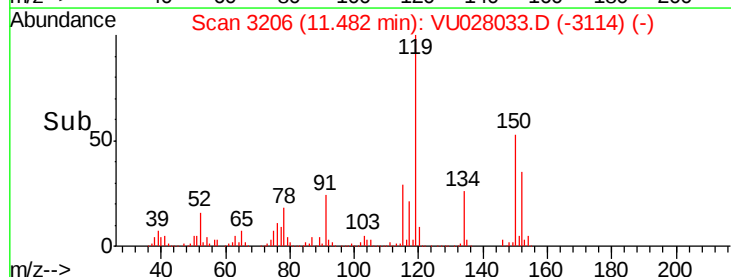
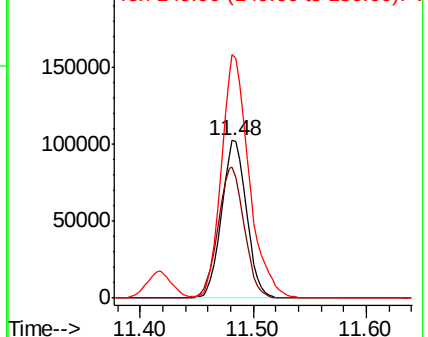
152 100

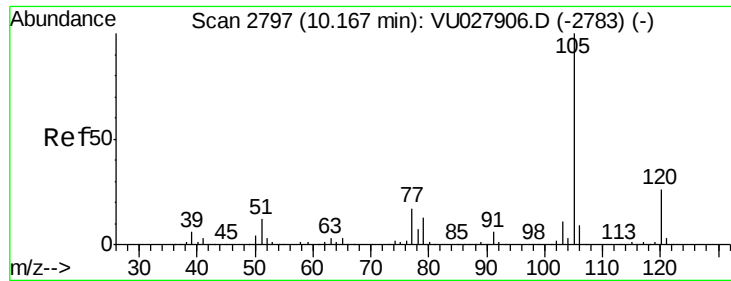
115 87.3 43.0 129.0

150 170.9 0.0 349.4



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: 50.597 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

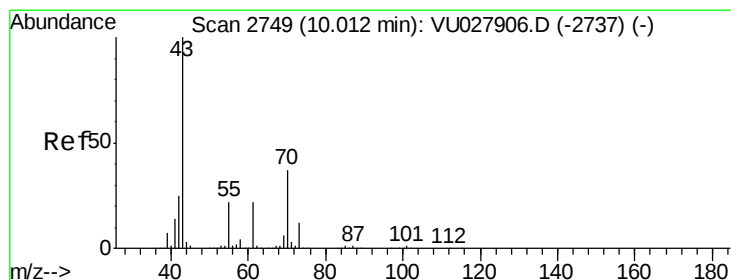
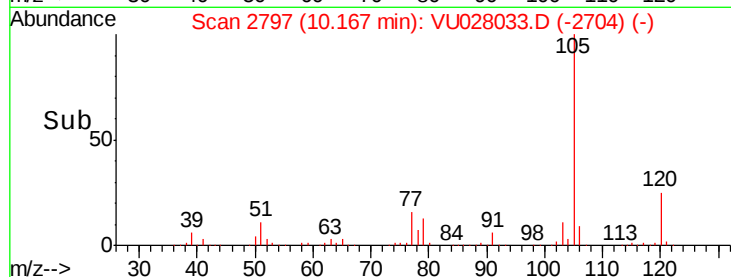
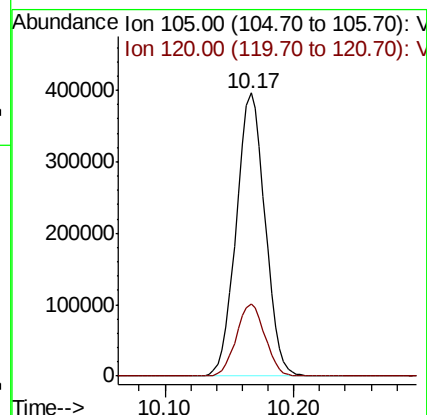
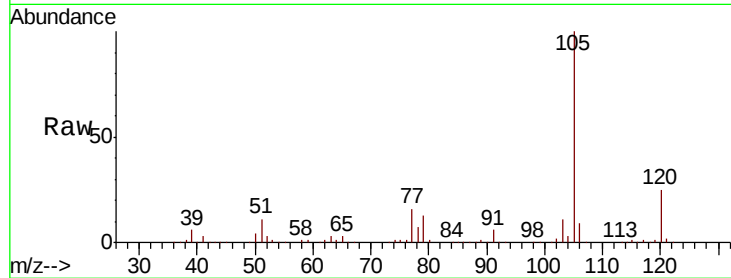
VSTDCCC050

Tot Ion:105 Resp: 613996

Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0



#74

N-ethyl acetate

Concen: 50.468 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion: 43 Resp: 370333

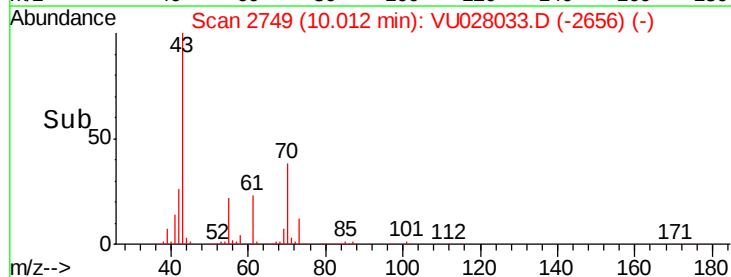
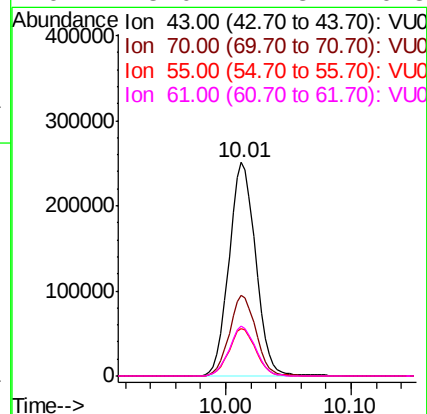
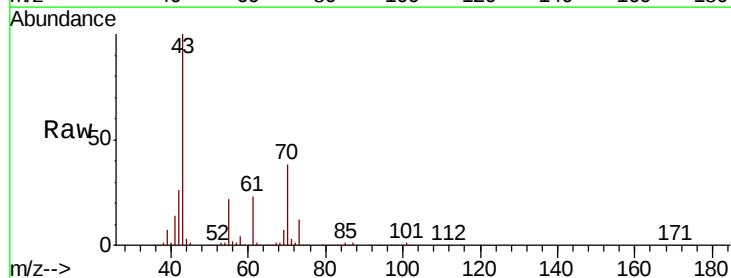
Ion Ratio Lower Upper

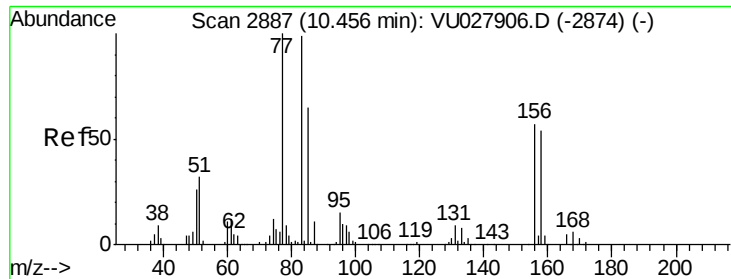
43 100

70 37.5 29.2 43.8

55 22.4 17.8 26.6

61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.144 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

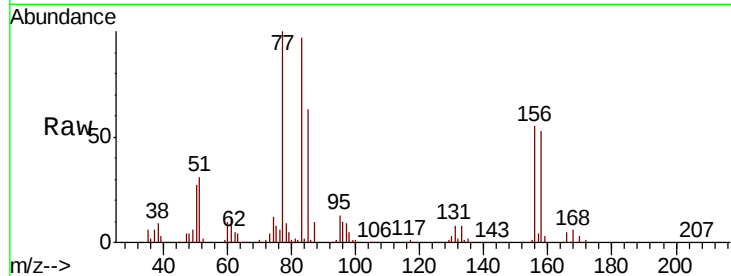
Tot Ion: 83 Resp: 235663

Ion Ratio Lower Upper

83 100

131 8.4 4.3 13.1

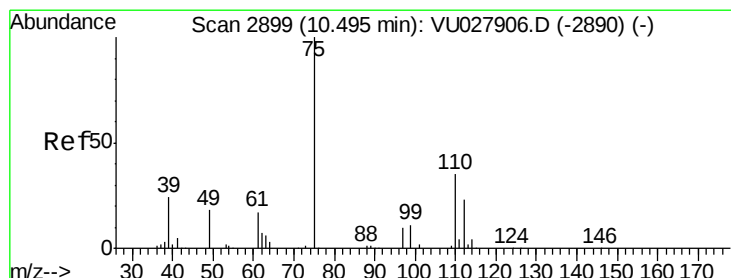
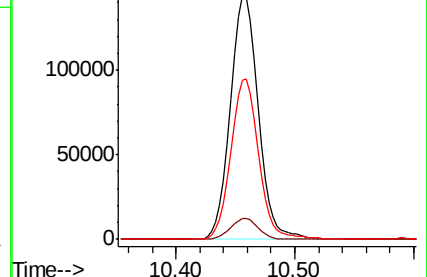
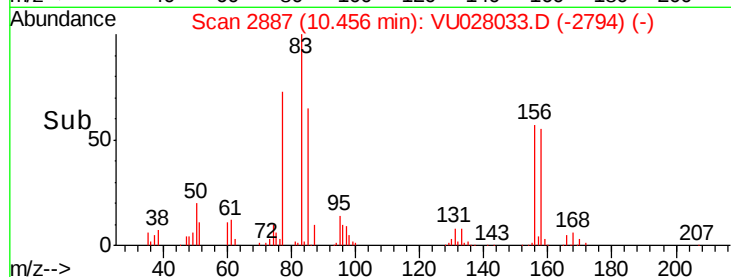
85 65.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU028033.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028033.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028033.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 67.733 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028033.D

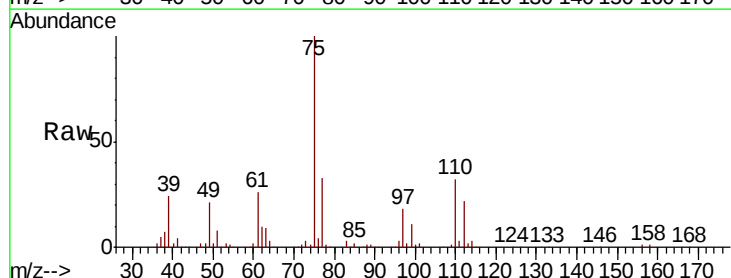
Acq: 09 Nov 2018 10:36

Tgt Ion: 75 Resp: 290215

Ion Ratio Lower Upper

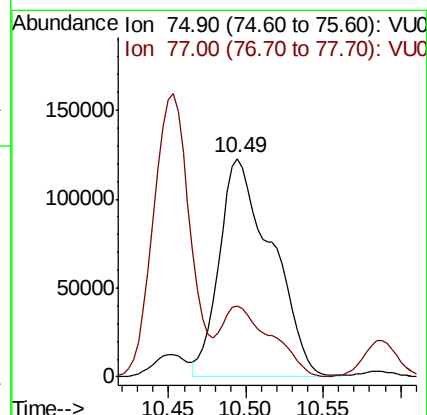
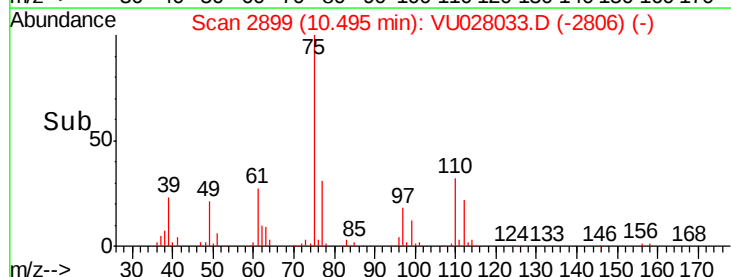
75 100

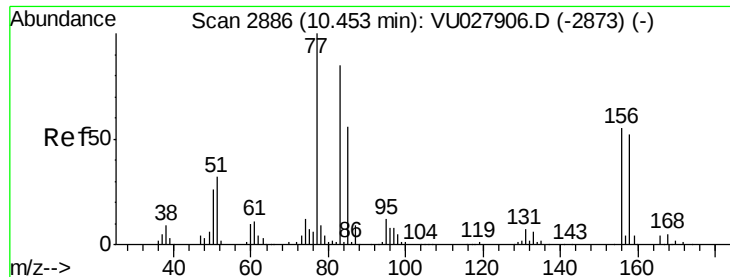
77 30.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU028033.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028033.D (-2806) (-)





#77

Bromobenzene

Concen: 51.030 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

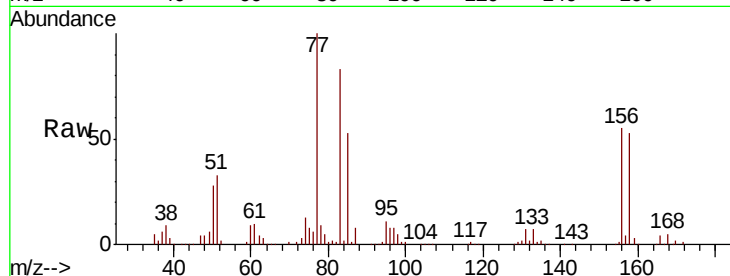
Tot Ion:156 Resp: 141995

Ion Ratio Lower Upper

156 100

77 185.0 91.8 275.6

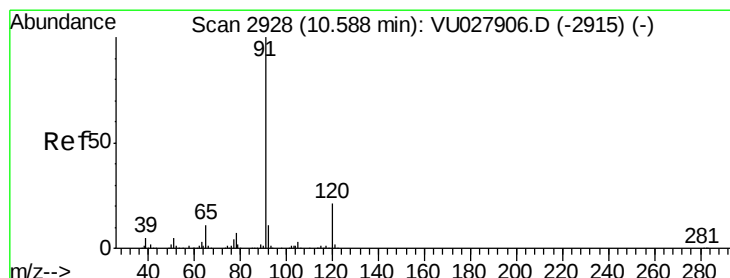
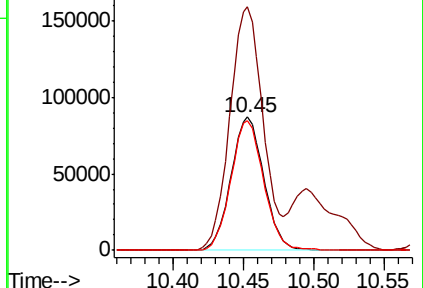
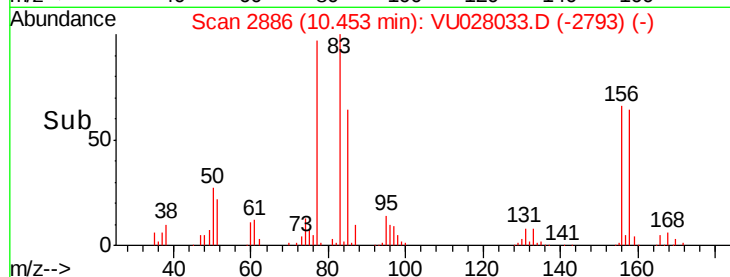
158 97.3 48.4 145.2



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: 52.450 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028033.D

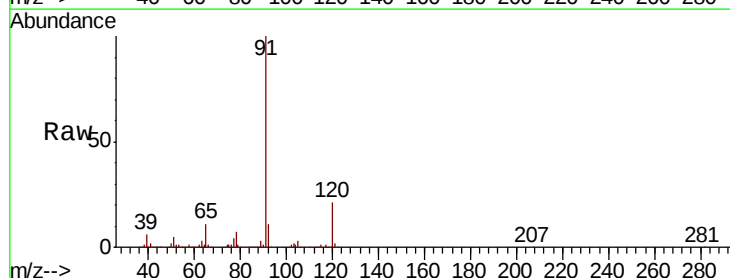
Acq: 09 Nov 2018 10:36

Tgt Ion: 91 Resp: 761868

Ion Ratio Lower Upper

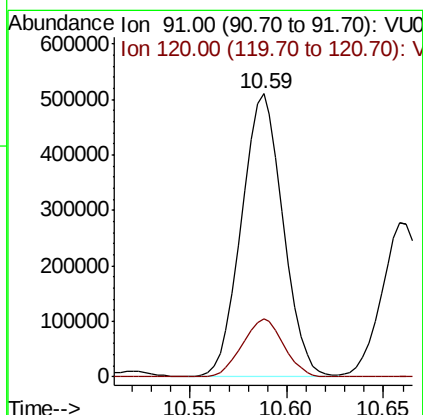
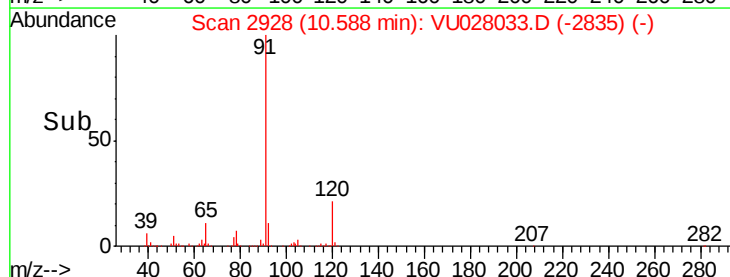
91 100

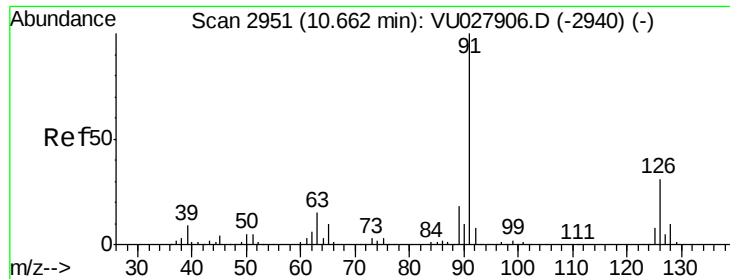
120 20.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

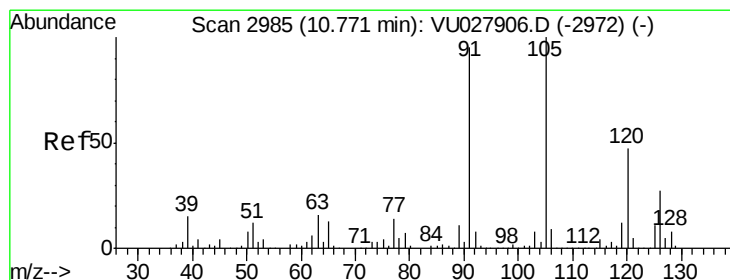
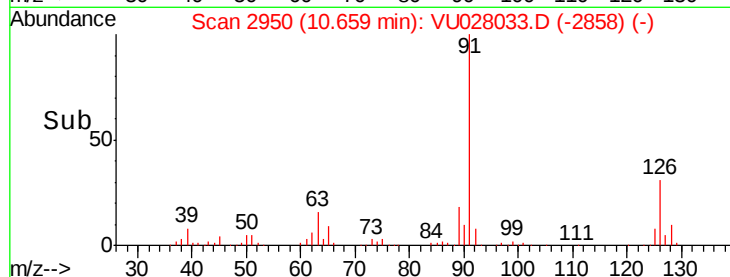
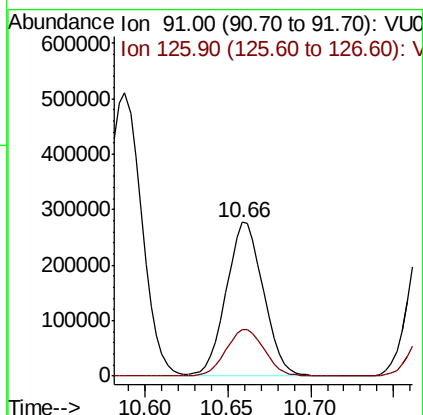
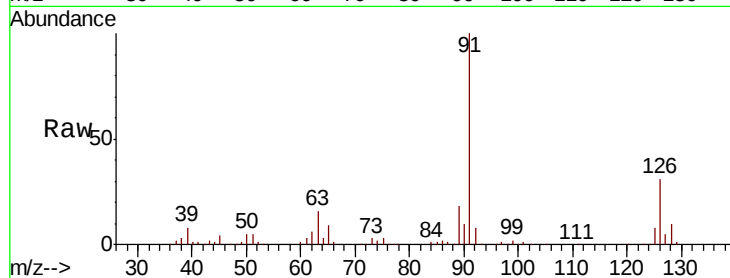




#79
 2-Chlorotoluene
 Concen: 49.528 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

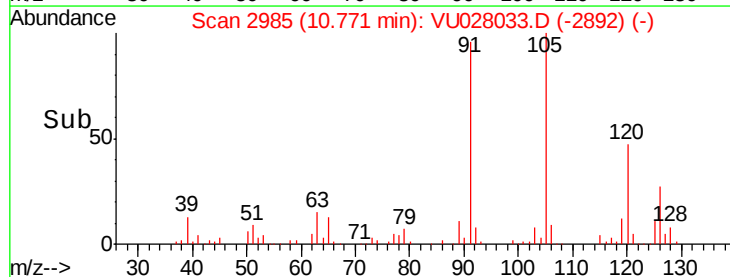
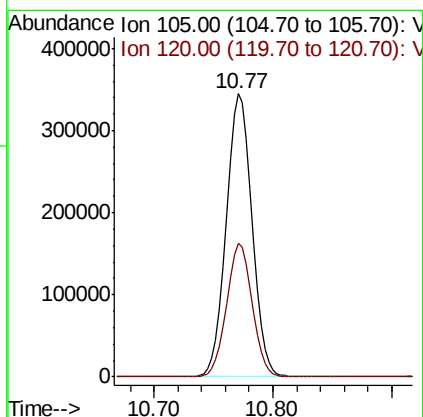
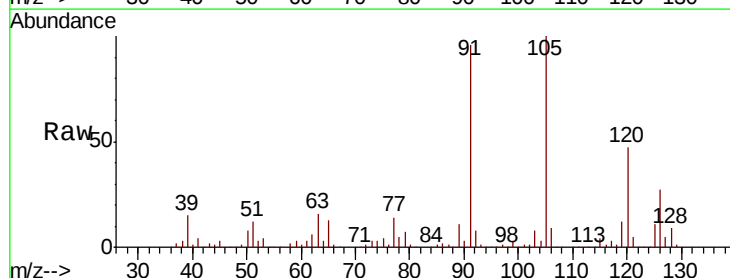
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

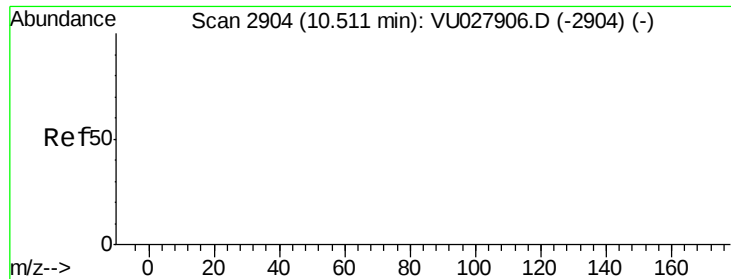
Tot Ion: 91 Resp: 431229
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 51.451 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 105 Resp: 517216
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 168.488 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

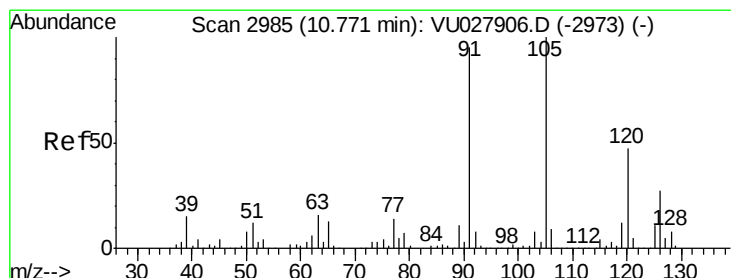
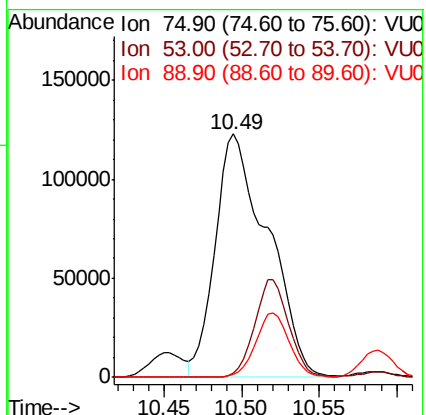
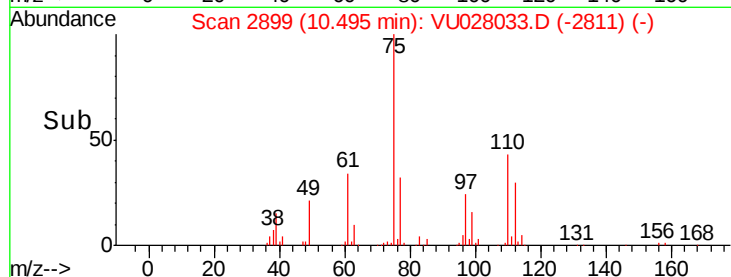
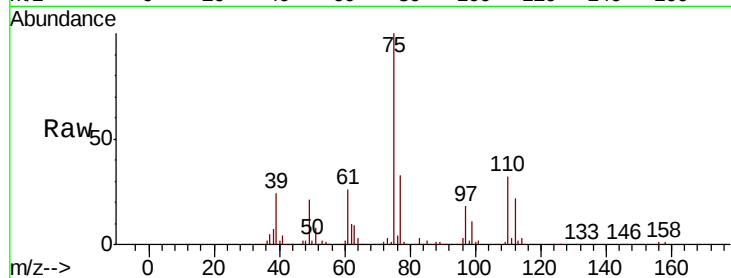
Tot Ion: 75 Resp: 290215

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 51.295 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028033.D

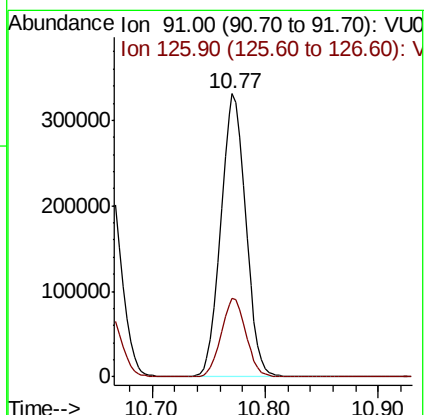
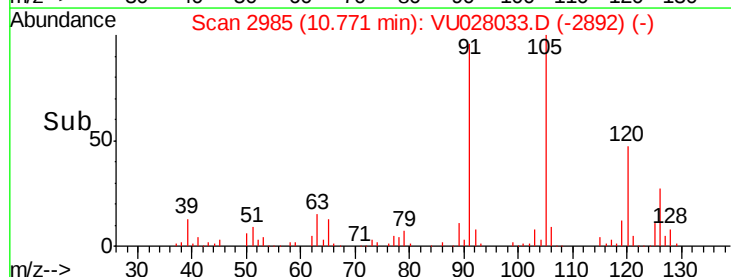
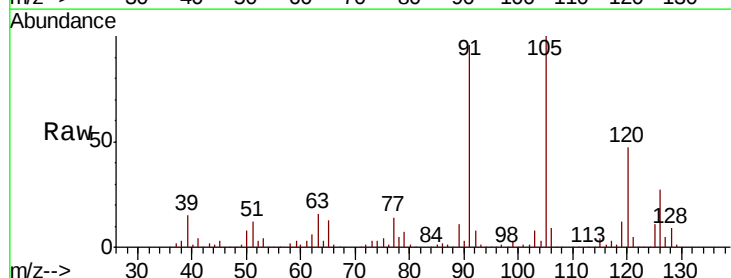
Acq: 09 Nov 2018 10:36

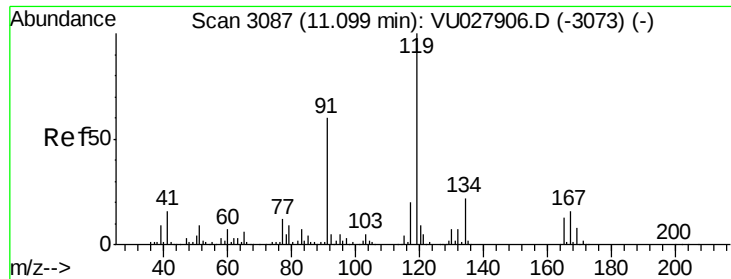
Tgt Ion: 91 Resp: 507030

Ion Ratio Lower Upper

91 100

126 27.6 14.2 42.6

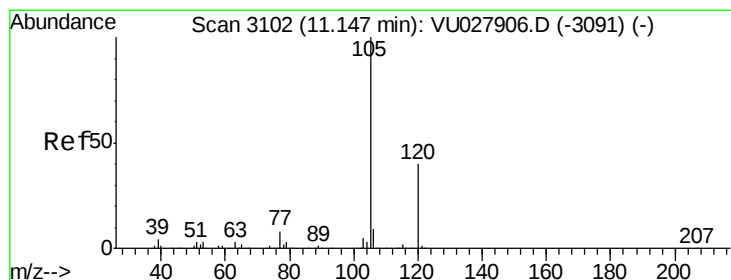
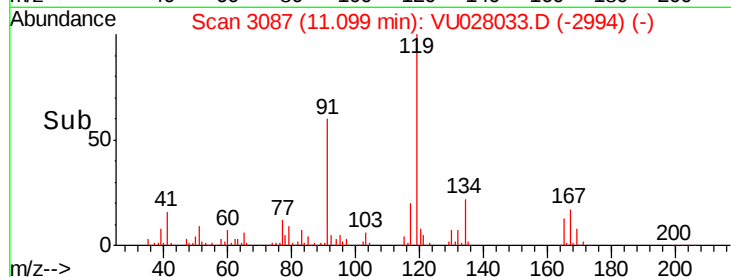
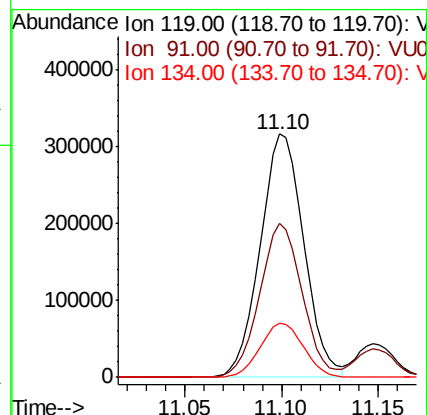
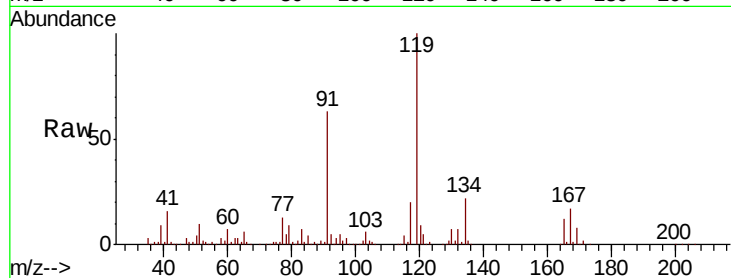




#83
tert-Butylbenzene
Concen: 49.424 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

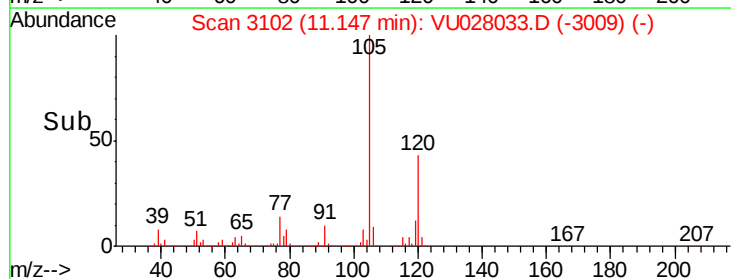
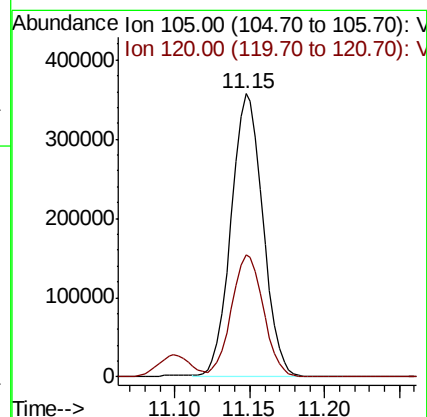
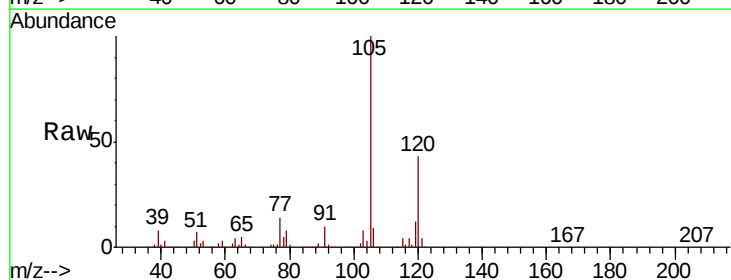
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

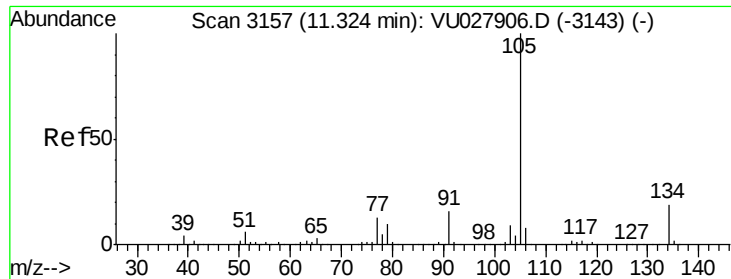
Tot Ion:119 Resp: 496692
Ion Ratio Lower Upper
119 100
91 61.4 29.8 89.3
134 22.1 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 52.307 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:105 Resp: 529479
Ion Ratio Lower Upper
105 100
120 43.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 52.450 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

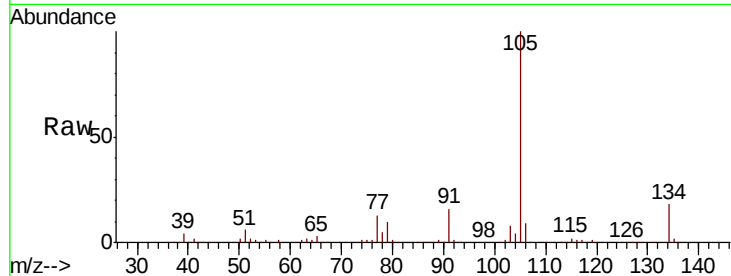
VSTDCCC050

Tot Ion:105 Resp: 641047

Ion Ratio Lower Upper

105 100

134 18.5 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

400000

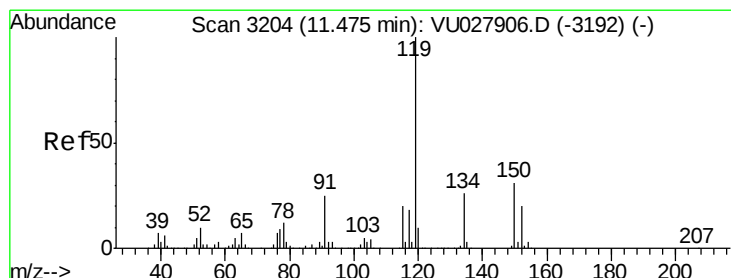
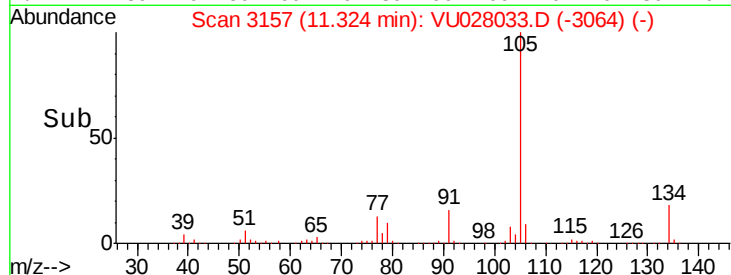
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.940 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

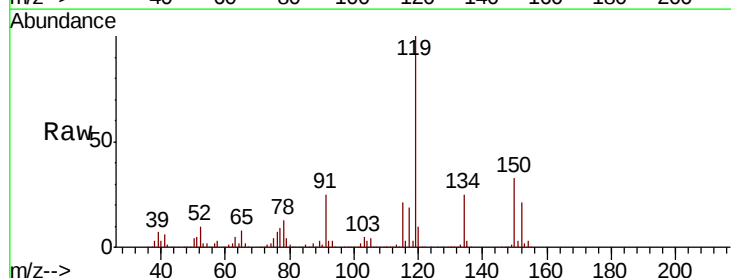
Tgt Ion:119 Resp: 540904

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.6 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

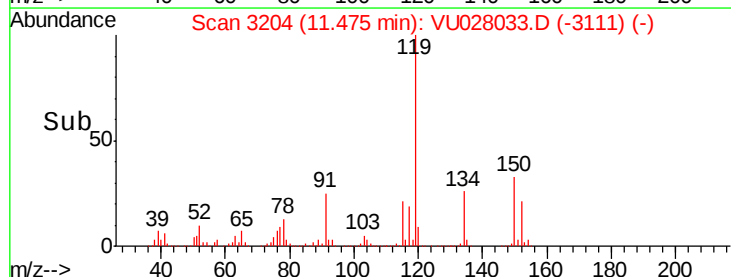
300000

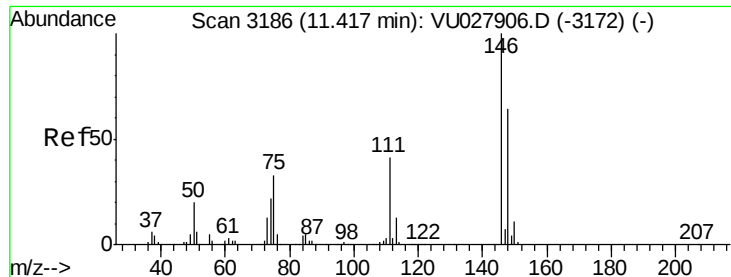
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.817 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

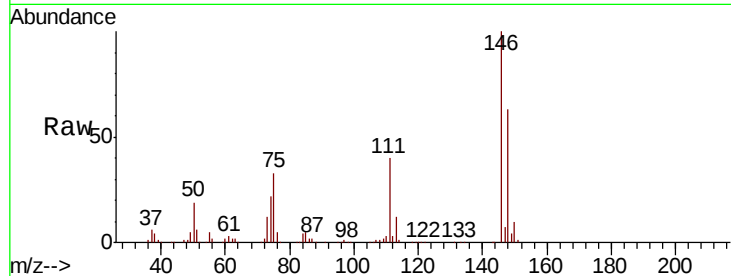
Tot Ion:146 Resp: 266353

Ion Ratio Lower Upper

146 100

111 40.0 20.3 61.0

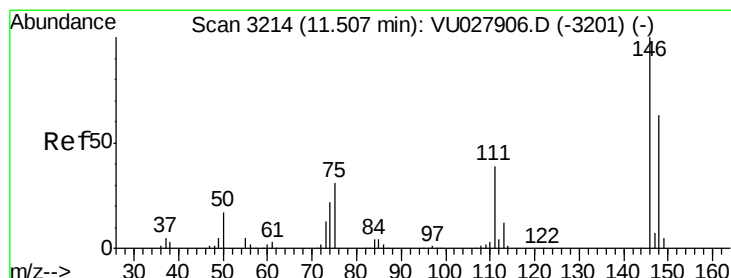
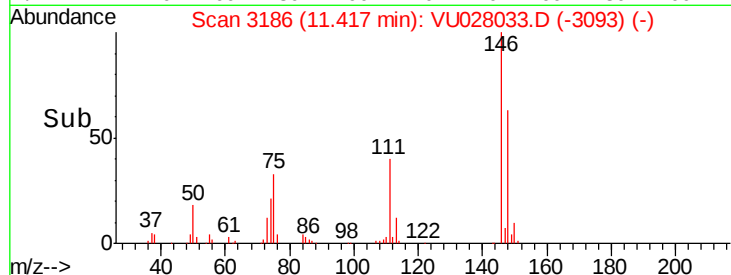
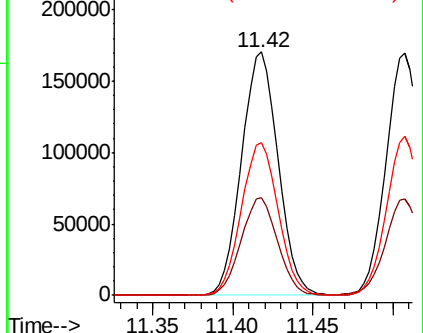
148 63.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.465 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

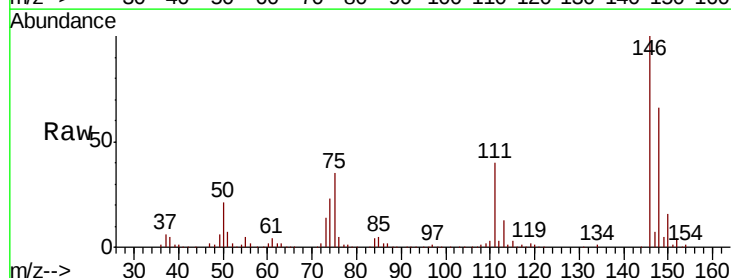
Tgt Ion:146 Resp: 265878

Ion Ratio Lower Upper

146 100

111 40.3 20.3 60.9

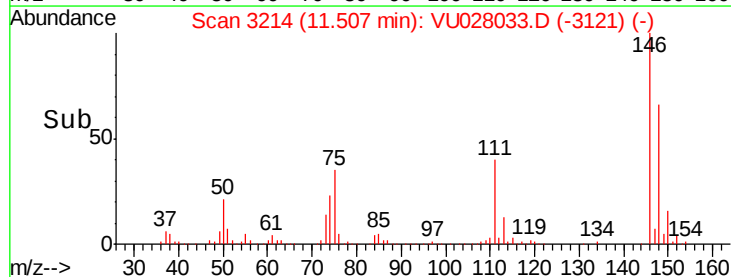
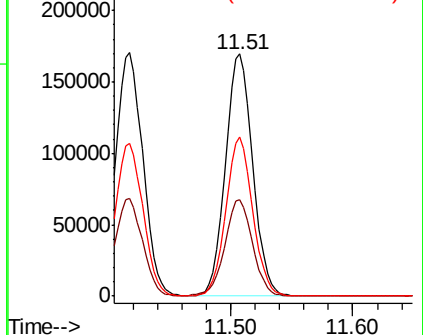
148 64.7 32.0 96.2

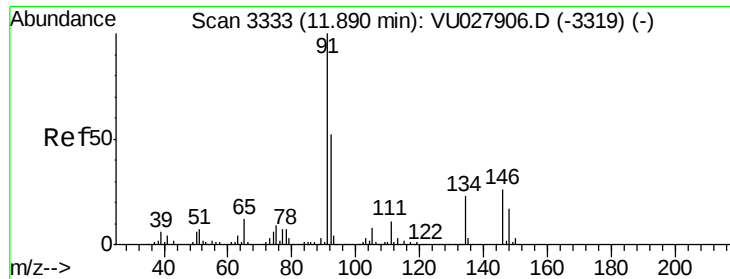


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

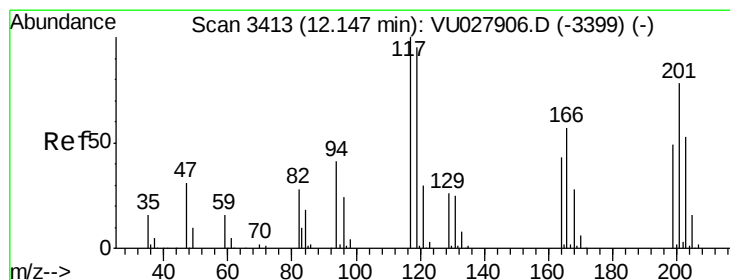
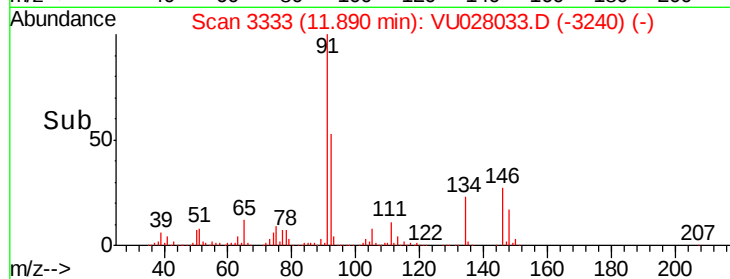
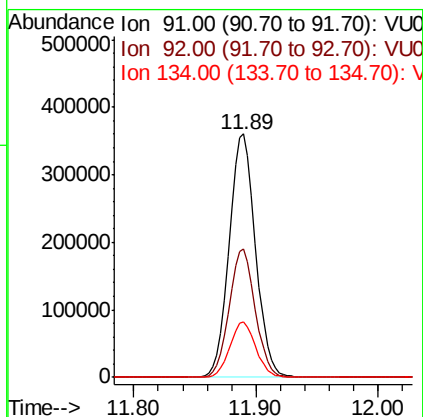
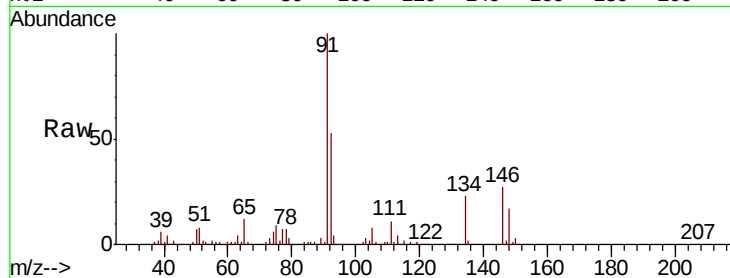




#89
n-Butylbenzene
Concen: 55.875 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

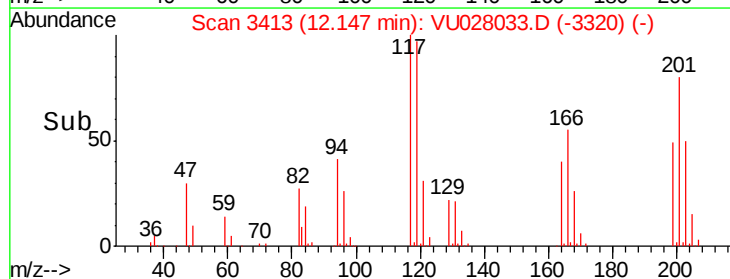
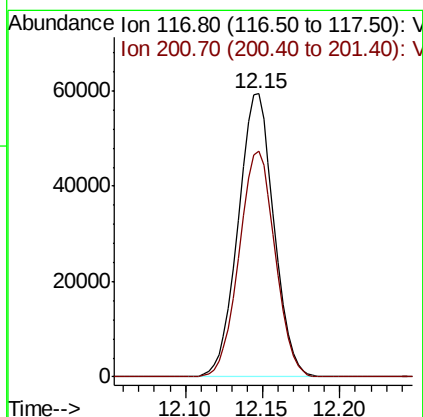
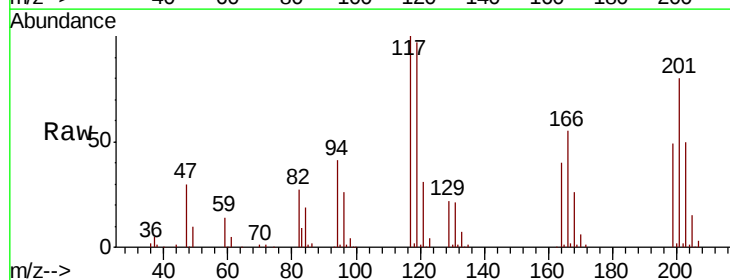
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

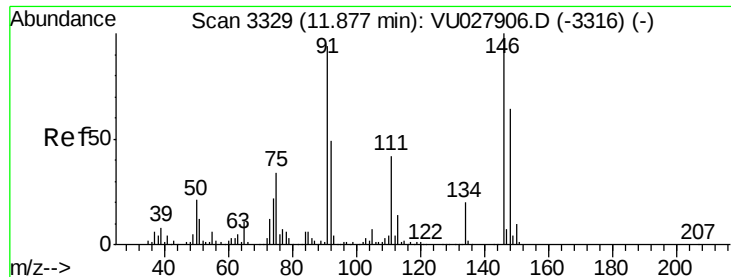
Tot Ion: 91 Resp: 542567
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.5
134 22.5 11.5 34.5



#90
Hexachloroethane
Concen: 52.518 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 117 Resp: 95533
Ion Ratio Lower Upper
117 100
201 80.2 38.5 115.5

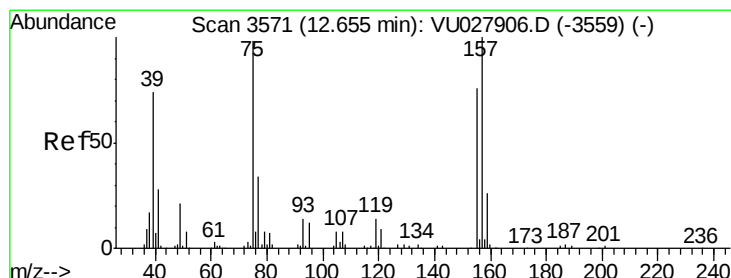
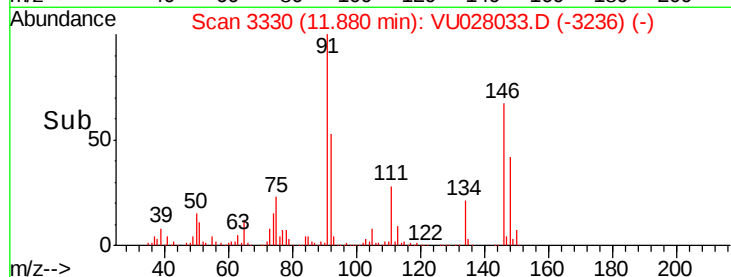
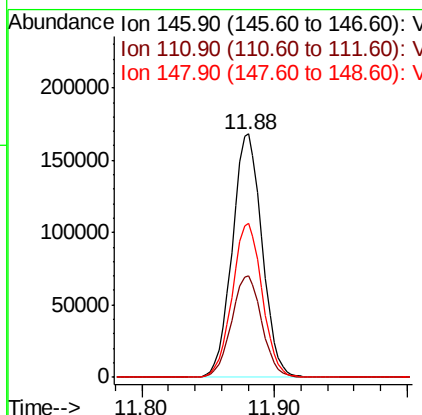
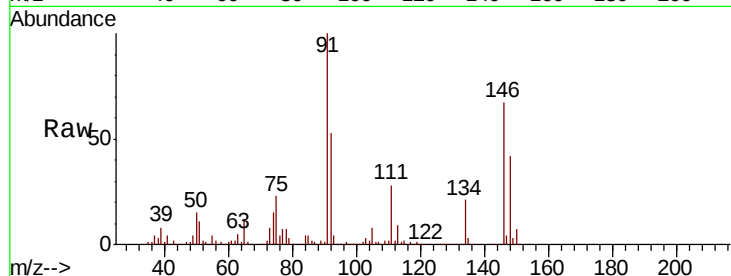




#91
 1,2-Dichlorobenzene
 Concen: 50.834 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

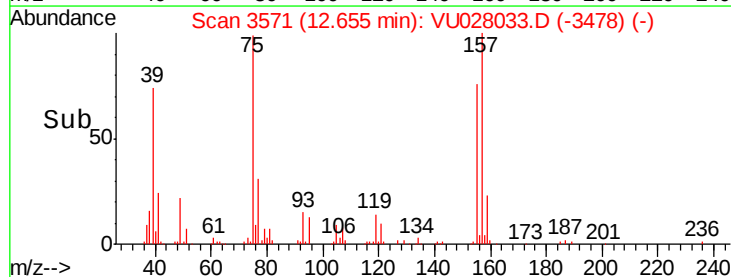
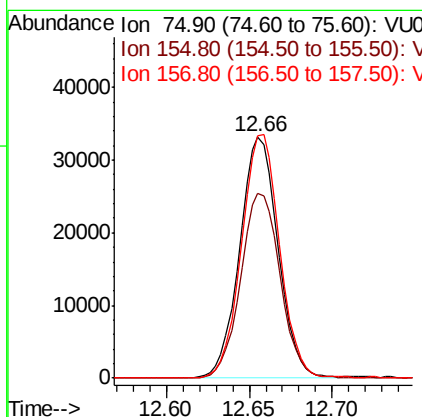
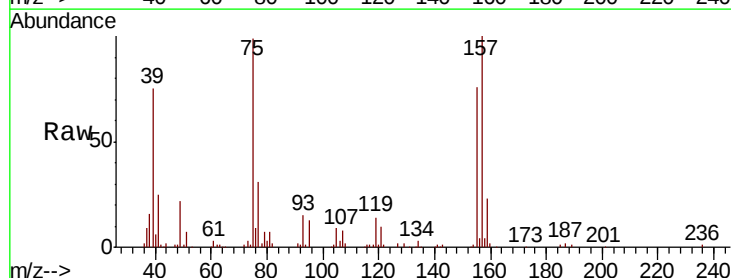
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 262774
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.3 64.0
 148 63.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.846 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion: 75 Resp: 53476
 Ion Ratio Lower Upper
 75 100
 155 78.7 39.8 119.3
 157 100.1 50.6 151.9

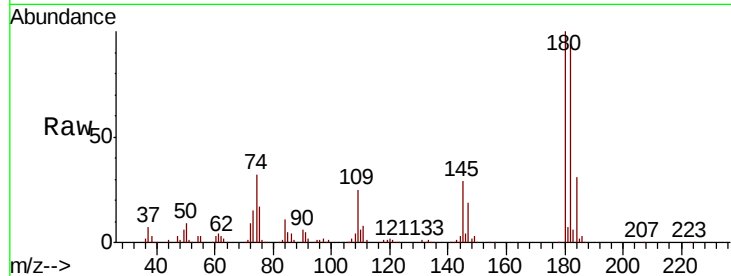




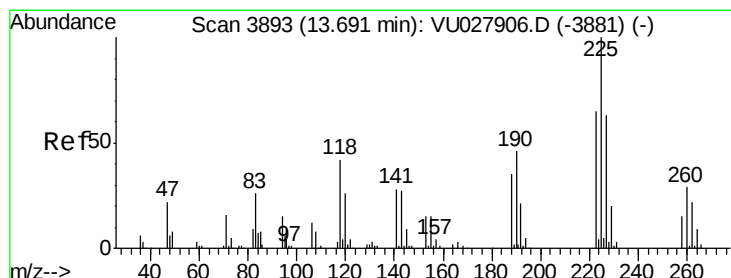
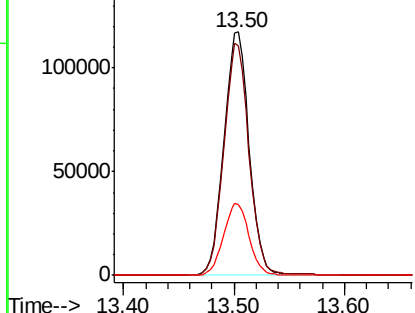
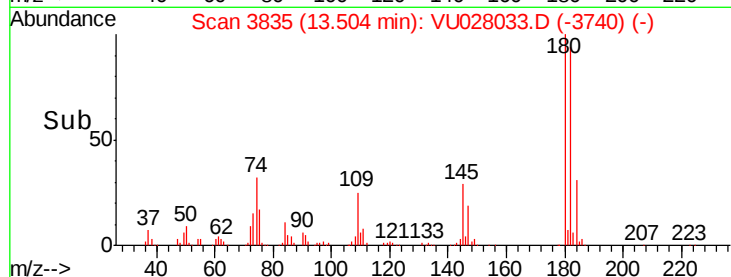
#93
 1,2,4-Trichlorobenzene
 Concen: 51.382 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 186341
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.4 145.2
 145 30.0 14.9 44.5

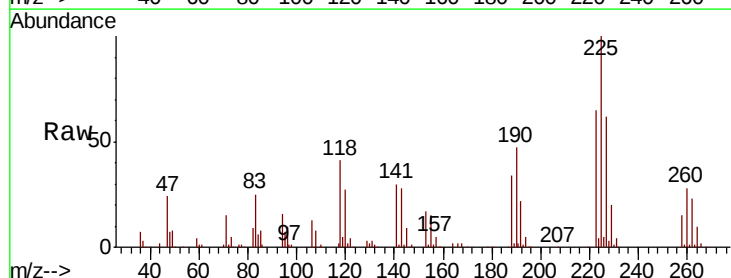


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

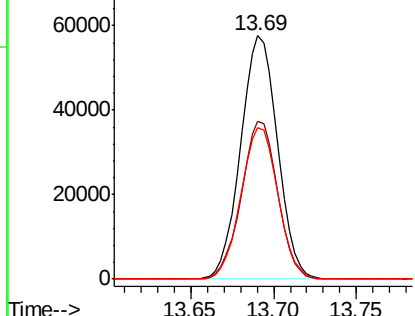
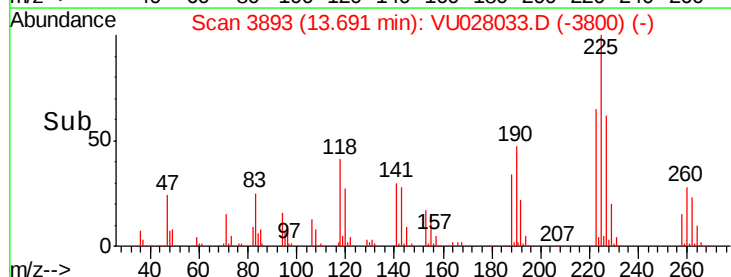


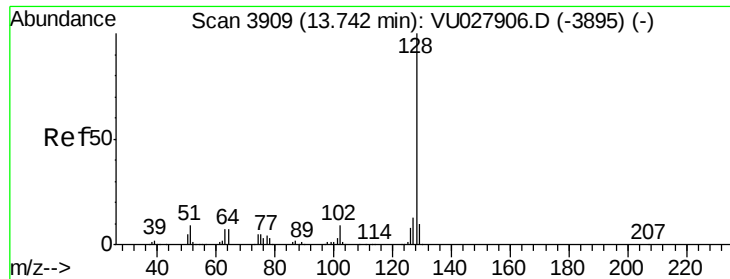
#94
 Hexachlorobutadiene
 Concen: 54.401 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion:225 Resp: 89375
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.2 96.6
 227 62.4 32.5 97.4



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

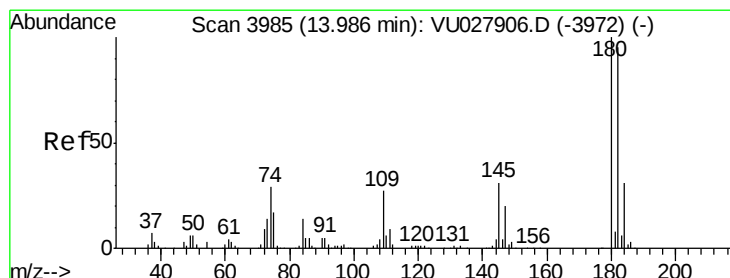
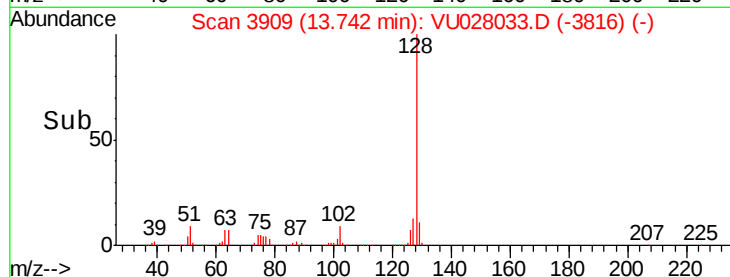
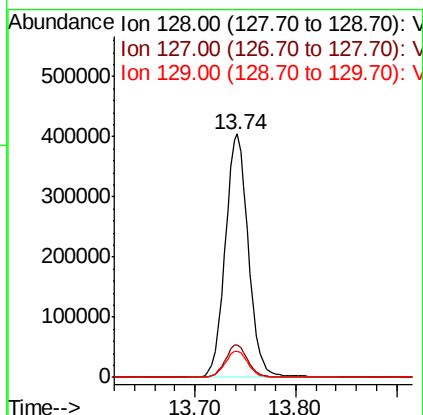
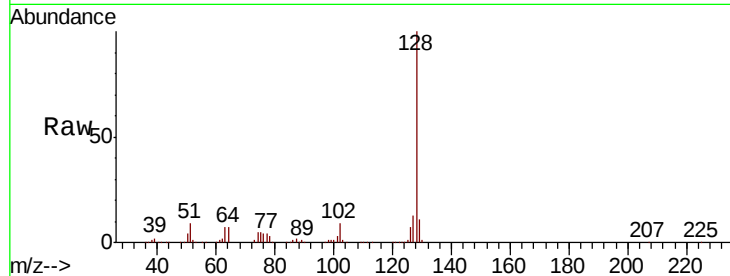




#95
Naphthalene
Concen: 50.391 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 647467
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.472 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:180 Resp: 185476
Ion Ratio Lower Upper
180 100
182 97.3 47.4 142.3
145 32.2 16.0 47.9

