

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122218\
 Data File : VU028909.D
 Acq On : 22 Dec 2018 10:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 24 04:44:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	176188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	72239	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
35) Dibromofluoromethane	4.88	113	60483	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	7.56	98	232172	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	84655	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69019	47.334	ug/l	99
3) Chloromethane	1.33	50	100520	37.497	ug/l	98
4) Vinyl Chloride	1.40	62	89162	46.088	ug/l	99
5) Bromomethane	1.60	94	51207	65.709	ug/l	97
6) Chloroethane	1.68	64	52946	48.343	ug/l	99
7) Trichlorofluoromethane	1.88	101	96926	47.620	ug/l	100
8) Diethyl Ether	2.10	74	46146	48.458	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64937	53.344	ug/l	96
10) Methyl Iodide	2.40	142	58594	61.344	ug/l	94
11) Tert butyl alcohol	2.83	59	83563	225.923	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62807	51.855	ug/l	87
13) Acrolein	2.19	56	58702	199.084	ug/l	99
14) Allyl chloride	2.59	41	122905	42.894	ug/l	92
15) Acrylonitrile	2.93	53	233082	226.979	ug/l	97
16) Acetone	2.32	43	251104	231.791	ug/l	91
17) Carbon Disulfide	2.47	76	204323	46.827	ug/l	100
18) Methyl Acetate	2.61	43	122116	43.485	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	215159	46.860	ug/l	99
20) Methylene Chloride	2.70	84	75872	47.510	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	67377	49.407	ug/l	93
22) Diisopropyl ether	3.57	45	236584	42.459	ug/l #	97
23) Vinyl Acetate	3.52	43	942908	205.155	ug/l #	95
24) 1,1-Dichloroethane	3.44	63	133434	45.748	ug/l	99
25) 2-Butanone	4.26	43	325323	219.744	ug/l	93
26) 2,2-Dichloropropane	4.22	77	107628	46.570	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	78252	50.697	ug/l	90
28) Bromochloromethane	4.55	49	57365	43.263	ug/l #	83
29) Tetrahydrofuran	4.63	42	196060	206.202	ug/l	90
30) Chloroform	4.67	83	124679	49.045	ug/l	96
31) Cyclohexane	4.99	56	127371	44.621	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	100448	47.576	ug/l	97
36) 1,1-Dichloropropene	5.13	75	97122	50.374	ug/l	96
37) Ethyl Acetate	4.38	43	109790	44.051	ug/l	95
38) Carbon Tetrachloride	5.13	117	80638	51.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120501	51.231	ug/l	94
40) Benzene	5.39	78	305551	53.809	ug/l	98
41) Methacrylonitrile	4.54	41	60616	44.410	ug/l	93
42) 1,2-Dichloroethane	5.40	62	93664	47.123	ug/l	97
43) Isopropyl Acetate	5.55	43	172606	43.785	ug/l #	94
44) Trichloroethene	6.18	130	72311	57.272	ug/l	93
45) 1,2-Dichloropropane	6.43	63	82974	51.962	ug/l	97
46) Dibromomethane	6.56	93	50335	53.128	ug/l	93
47) Bromodichloromethane	6.75	83	95336	51.710	ug/l	100
48) Methyl methacrylate	6.62	41	86665	44.207	ug/l	89
49) 1,4-Dioxane	6.61	88	38866	1255.583	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	549603	221.049	ug/l	94
52) Toluene	7.64	92	182930	54.739	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112526	51.247	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	122615	51.470	ug/l #	90
55) 1,1,2-Trichloroethane	8.06	97	74678	56.531	ug/l	98
56) Ethyl methacrylate	8.02	69	115087	50.875	ug/l	88
57) 1,3-Dichloropropane	8.24	76	127184	51.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	270953	233.845	ug/l	94
59) 2-Hexanone	8.36	43	446309	226.473	ug/l	91
60) Dibromochloromethane	8.48	129	71033	54.922	ug/l	100
61) 1,2-Dibromoethane	8.58	107	77213	55.738	ug/l	97
64) Tetrachloroethene	8.22	164	63465	57.458	ug/l	97
65) Chlorobenzene	9.12	112	195942	55.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65392	58.033	ug/l	100
67) Ethyl Benzene	9.25	91	340265	52.455	ug/l	98
68) m/p-Xylenes	9.37	106	266049	112.715	ug/l	95
69) o-Xylene	9.78	106	126312	55.067	ug/l	96
70) Styrene	9.79	104	213866	56.339	ug/l	96
71) Bromoform	9.96	173	56419	58.858	ug/l #	100
73) Isopropylbenzene	10.17	105	335710	51.231	ug/l	99
74) N-amyl acetate	10.01	43	152474	40.339	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	131628	52.291	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	151393	69.426	ug/l	83
77) Bromobenzene	10.45	156	84374	55.055	ug/l	90
78) n-propylbenzene	10.59	91	408982	50.228	ug/l	99
79) 2-Chlorotoluene	10.66	91	239696	51.105	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	282343	52.052	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	151393	169.432	ug/l #	100
82) 4-Chlorotoluene	10.77	91	272992	49.117	ug/l	95
83) tert-Butylbenzene	11.10	119	272306	52.084	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	290483	51.964	ug/l	97
85) sec-Butylbenzene	11.32	105	343805	51.188	ug/l	98
86) p-Isopropyltoluene	11.48	119	296365	51.944	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	155575	53.761	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	155669	51.994	ug/l	98
89) n-Butylbenzene	11.89	91	280527	48.583	ug/l	98
90) Hexachloroethane	12.14	117	45515	52.779	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	156170	53.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25554	46.890	ug/l	83

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
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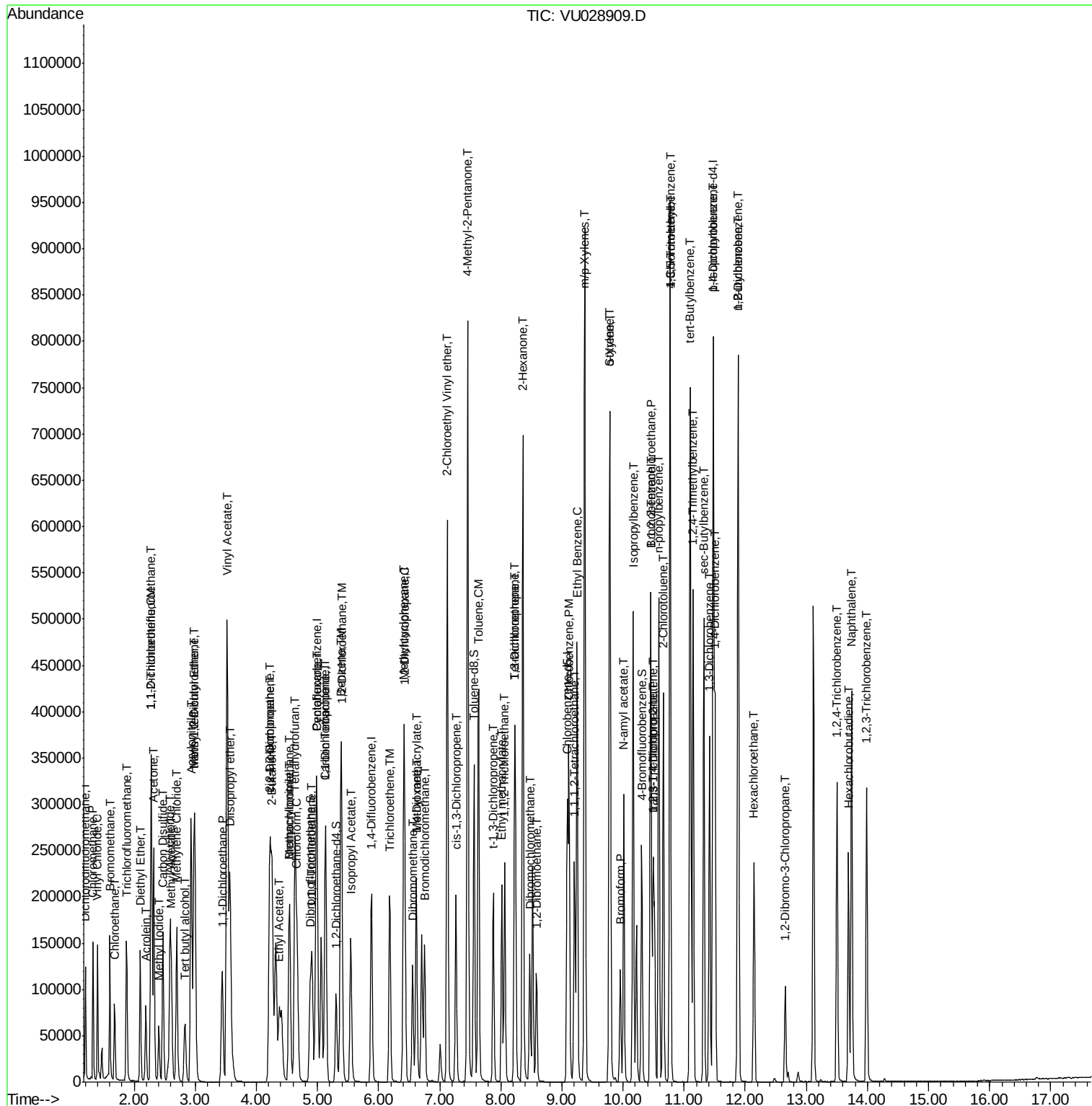
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103644	52.071	ug/l	98
94) Hexachlorobutadiene	13.69	225	47755	50.364	ug/l	98
95) Naphthalene	13.74	128	339084	48.817	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104740	52.900	ug/l	99

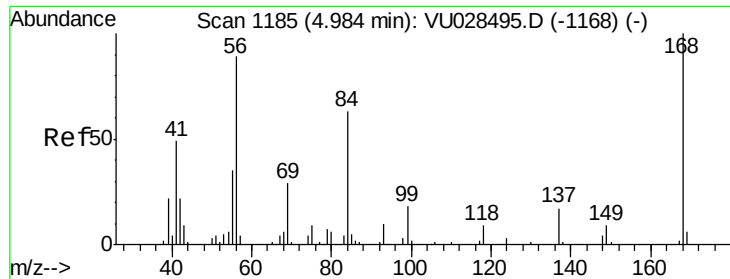
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

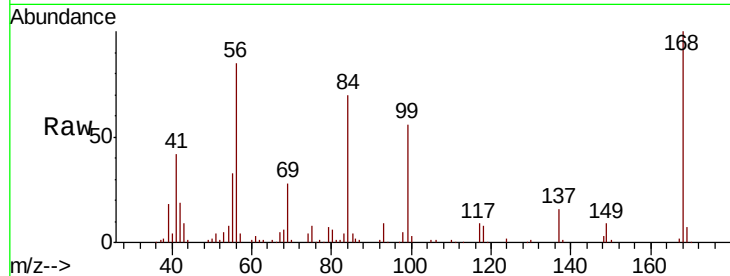
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 108786

Ion Ratio Lower Upper

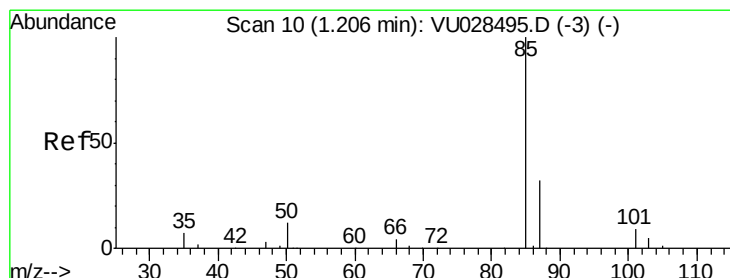
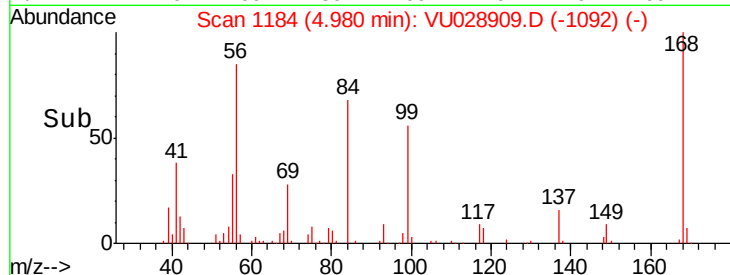
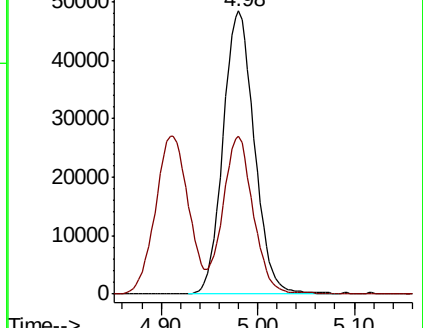
168 100

99 55.8 46.6 69.8



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

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



#2

Dichlorodifluoromethane

Concen: 47.334 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028909.D

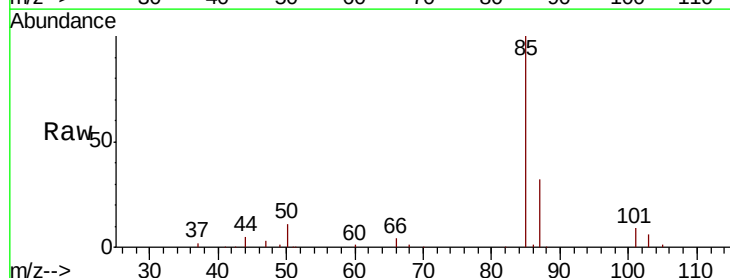
Acq: 22 Dec 2018 10:28

Tgt Ion: 85 Resp: 69019

Ion Ratio Lower Upper

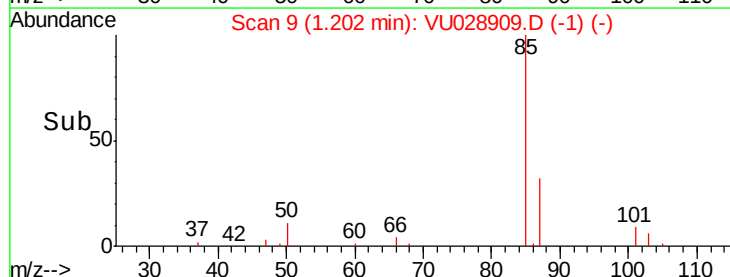
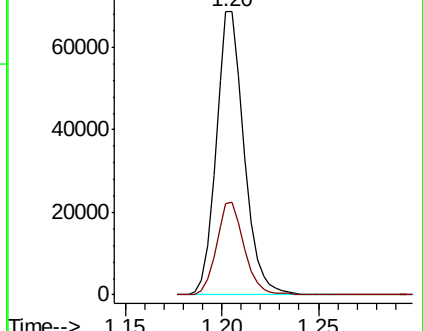
85 100

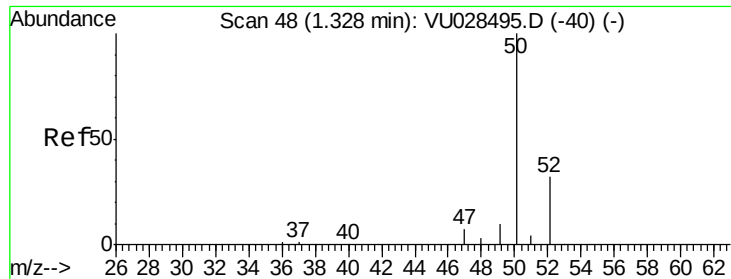
87 32.1 15.9 47.6



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

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





#3

Chloromethane

Concen: 37.497 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

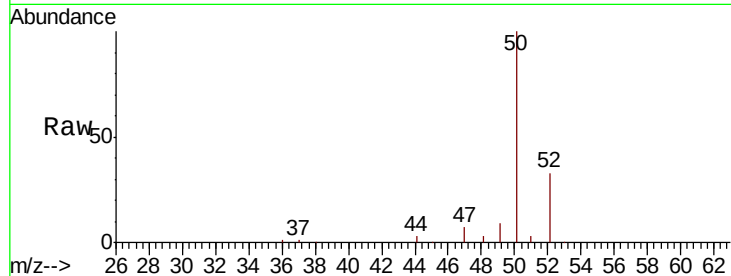
VSTDCCC050

Tgt Ion: 50 Resp: 100520

Ion Ratio Lower Upper

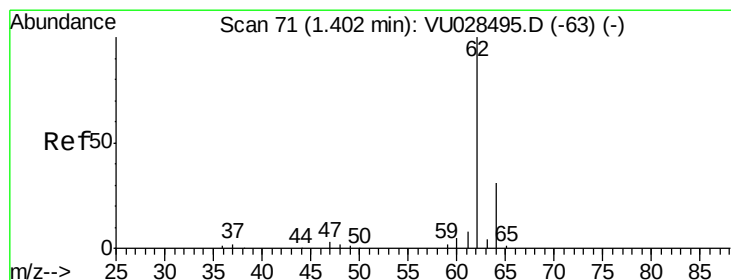
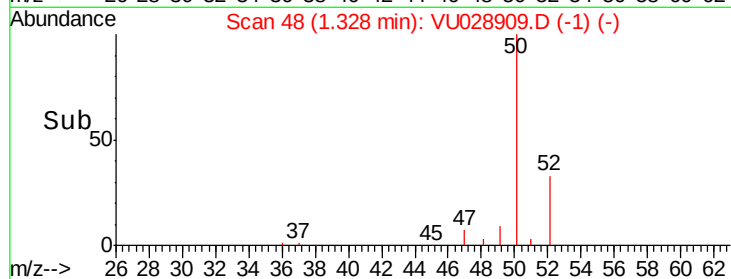
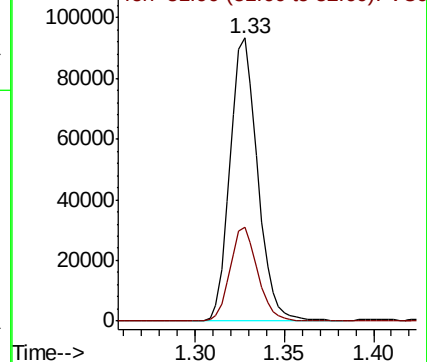
50 100

52 33.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.088 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028909.D

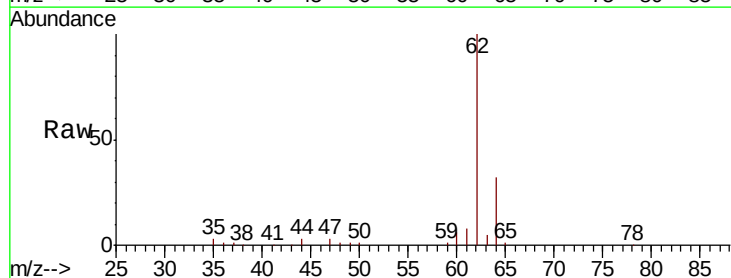
Acq: 22 Dec 2018 10:28

Tgt Ion: 62 Resp: 89162

Ion Ratio Lower Upper

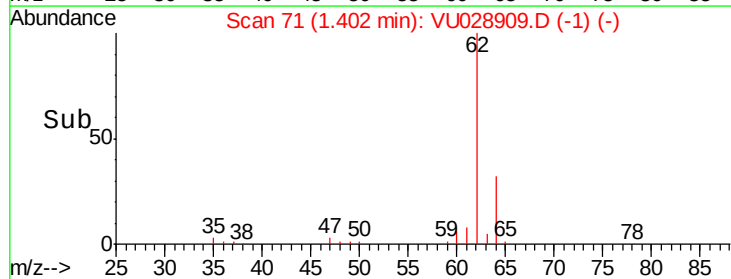
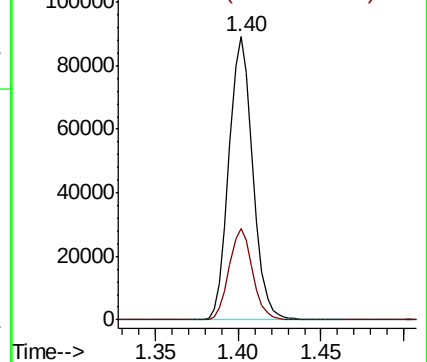
62 100

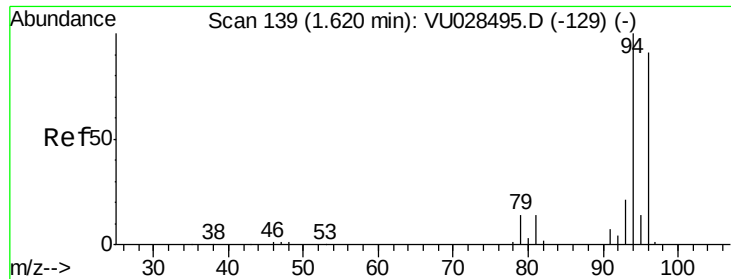
64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

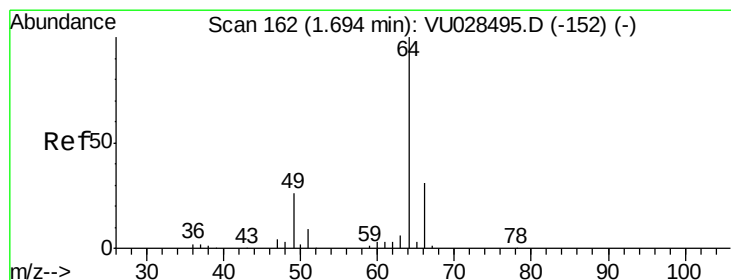
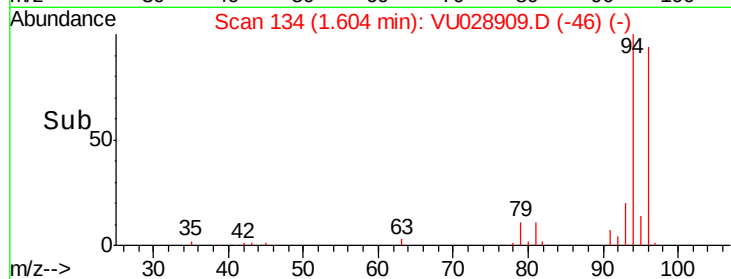
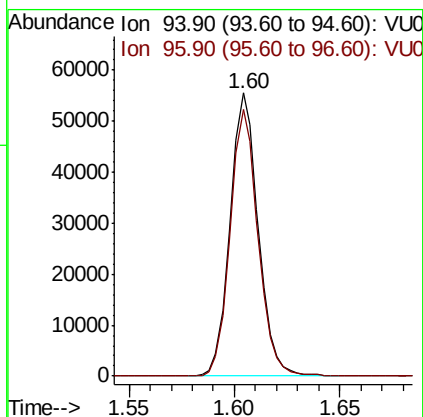
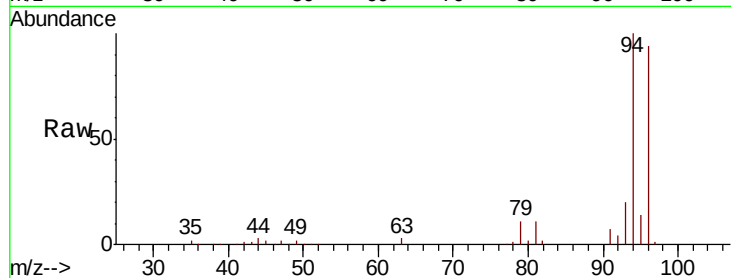




#5
Bromomethane
Concen: 65.709 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

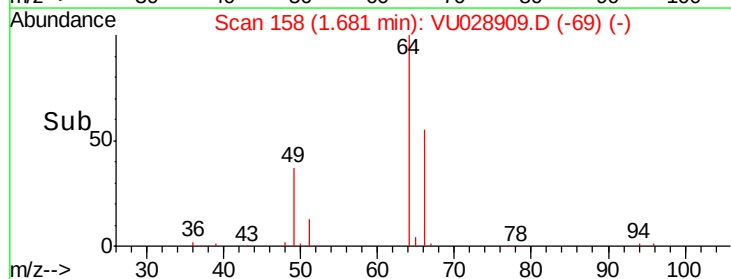
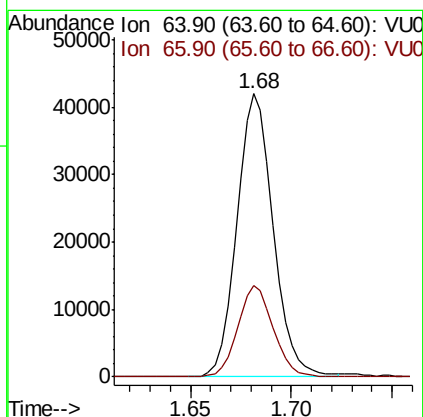
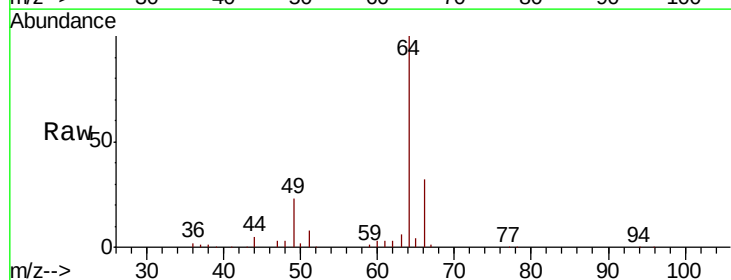
Instrument :
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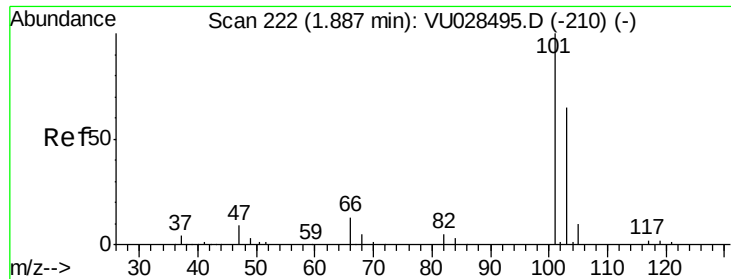
Tgt Ion: 94 Resp: 51207
Ion Ratio Lower Upper
94 100
96 94.2 73.2 109.8



#6
Chloroethane
Concen: 48.343 ug/l
RT: 1.68 min Scan# 158
Delta R.T. -0.01 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 64 Resp: 52946
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.6



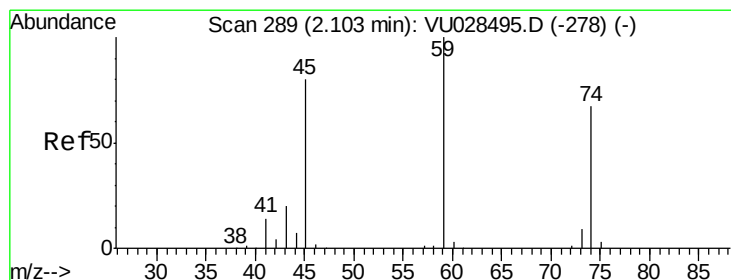
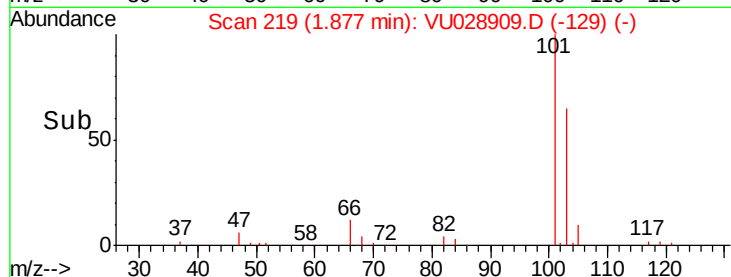
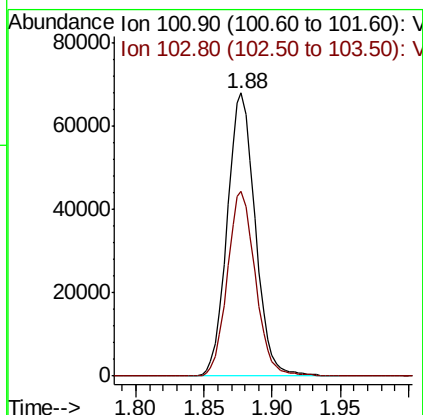
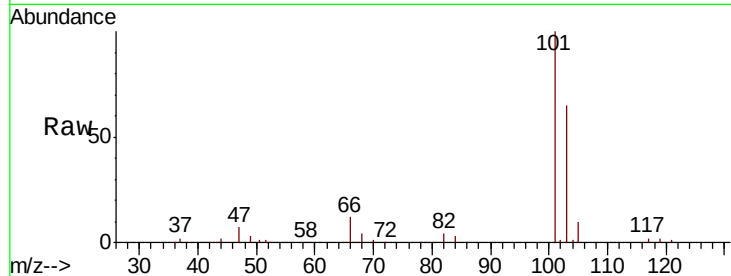


#7

Trichlorofluoromethane
 Concen: 47.620 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
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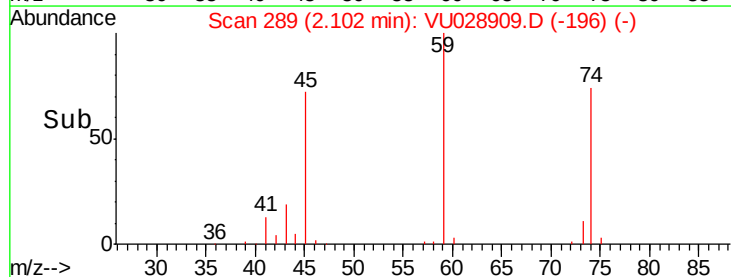
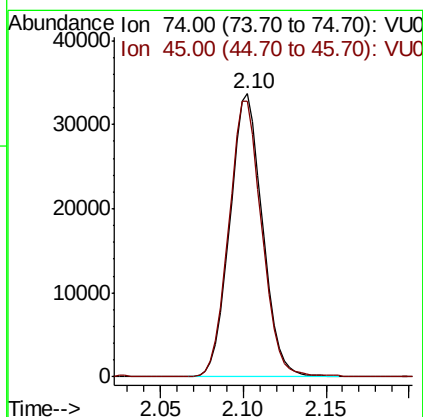
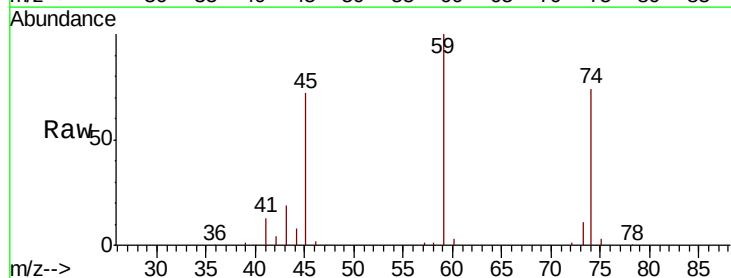
Tgt Ion:101 Resp: 96926
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5

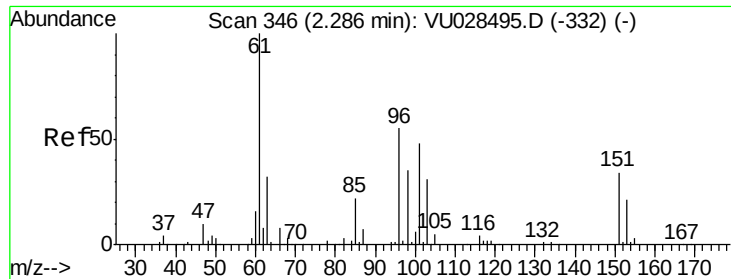


#8

Diethyl Ether
 Concen: 48.458 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 74 Resp: 46146
 Ion Ratio Lower Upper
 74 100
 45 99.0 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.344 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

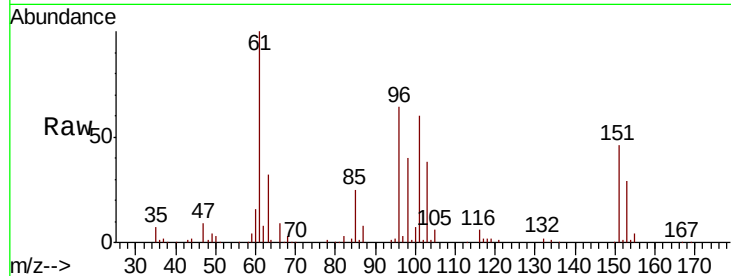
Tgt Ion:101 Resp: 64937

Ion Ratio Lower Upper

101 100

85 43.3 36.4 54.6

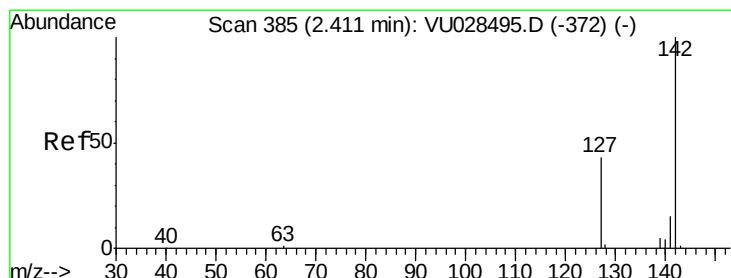
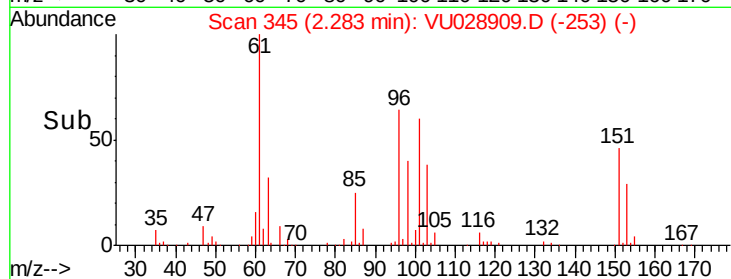
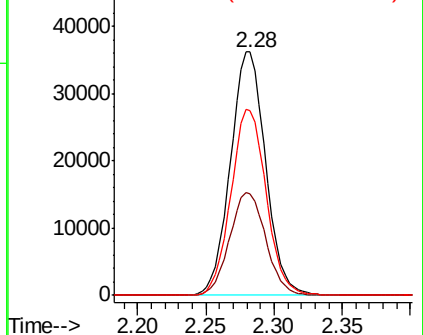
151 76.5 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.344 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

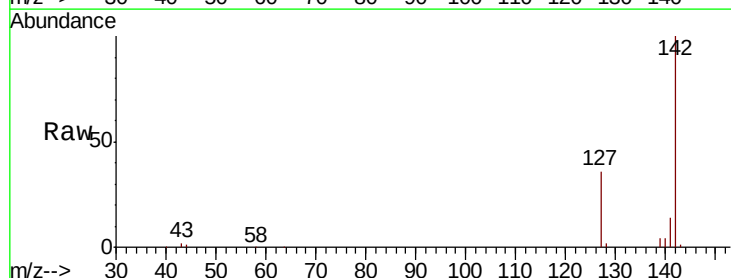
Tgt Ion:142 Resp: 58594

Ion Ratio Lower Upper

142 100

127 36.9 33.5 50.3

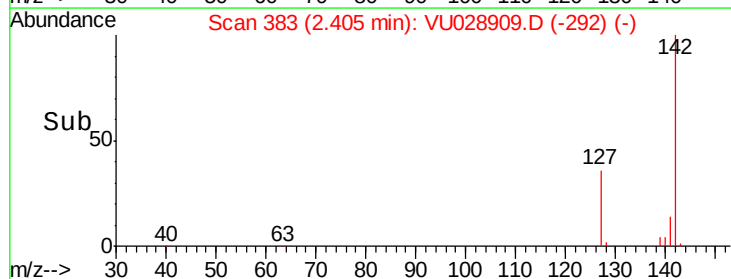
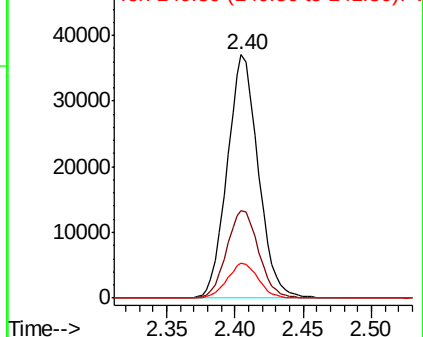
141 14.1 11.2 16.8

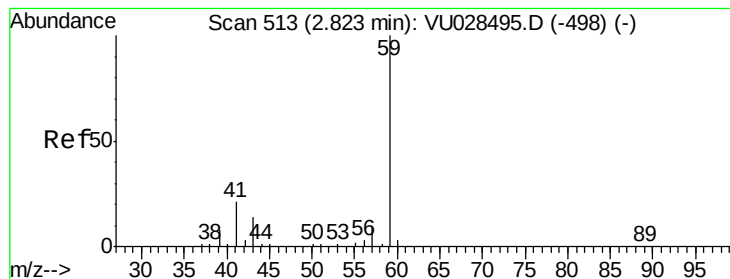


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



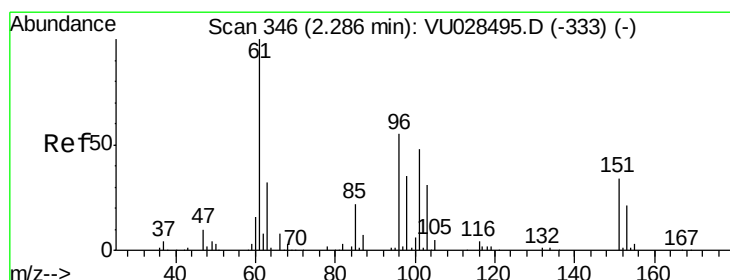
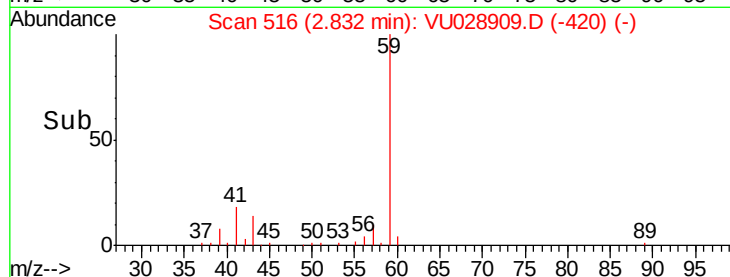
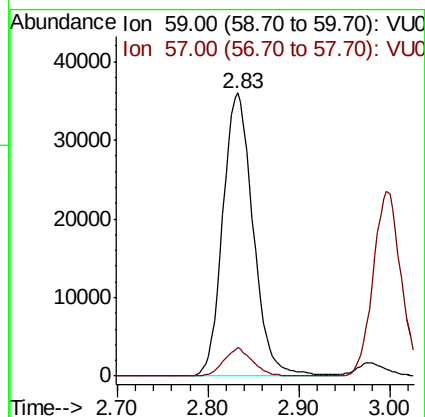
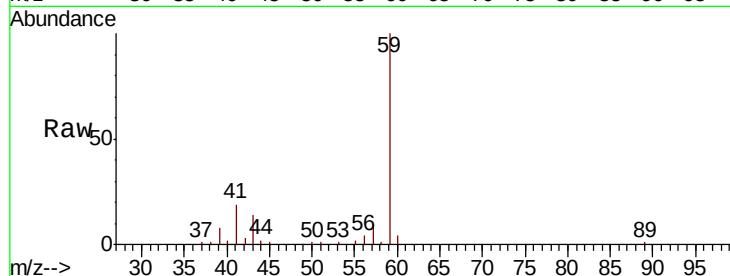


#11

Tert butyl alcohol
 Concen: 225.923 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

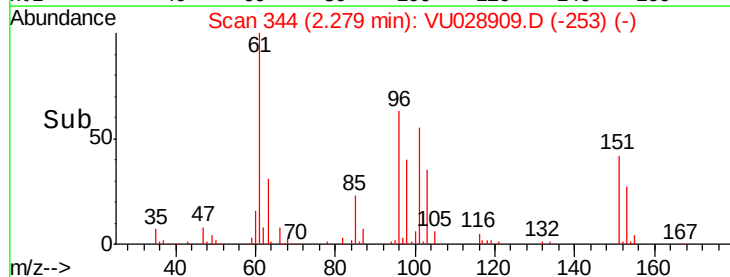
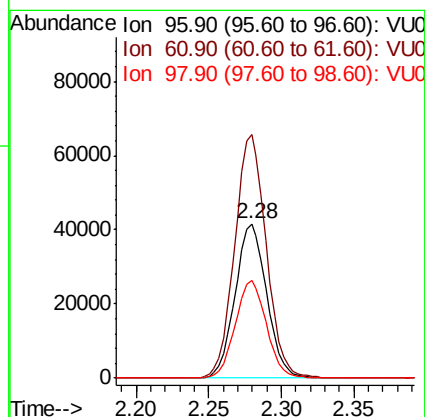
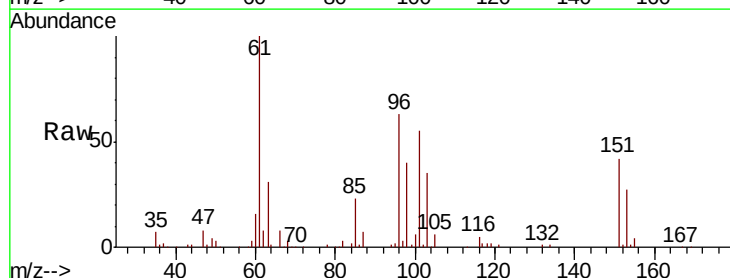
Tgt Ion: 59 Resp: 83563
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.0 12.0

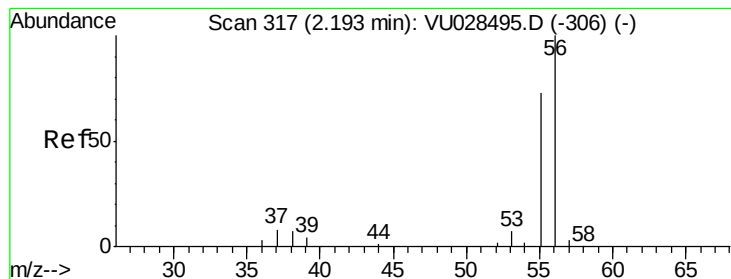


#12

1,1-Dichloroethene
 Concen: 51.855 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 96 Resp: 62807
 Ion Ratio Lower Upper
 96 100
 61 157.9 146.4 219.6
 98 63.1 51.8 77.8





#13

Acrolein

Concen: 199.084 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

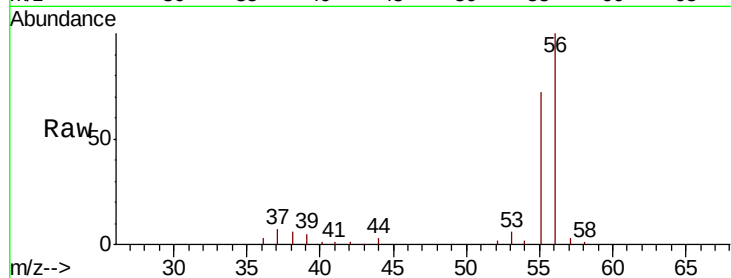
VSTDCCC050

Tgt Ion: 56 Resp: 58702

Ion Ratio Lower Upper

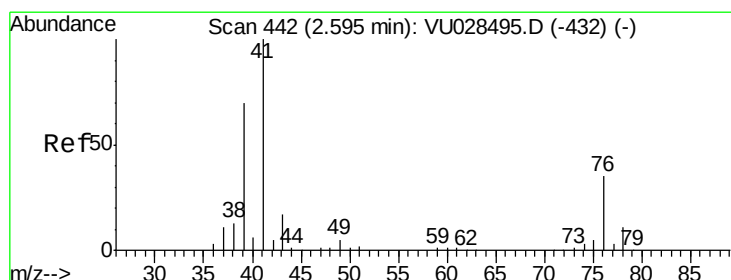
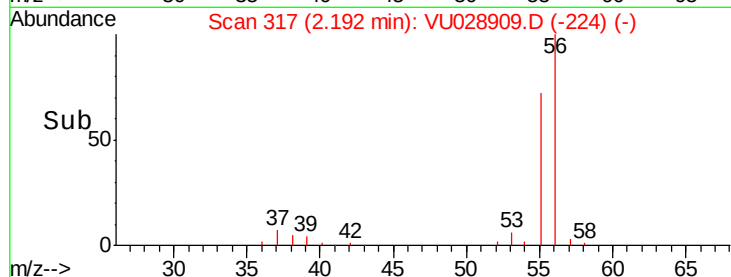
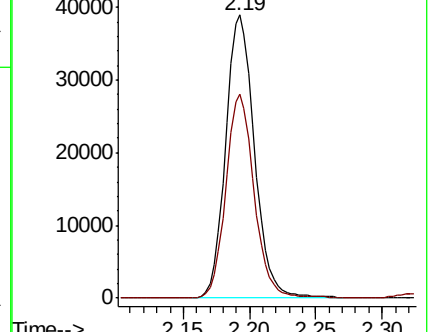
56 100

55 71.0 57.5 86.3



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

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



#14

Allyl chloride

Concen: 42.894 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

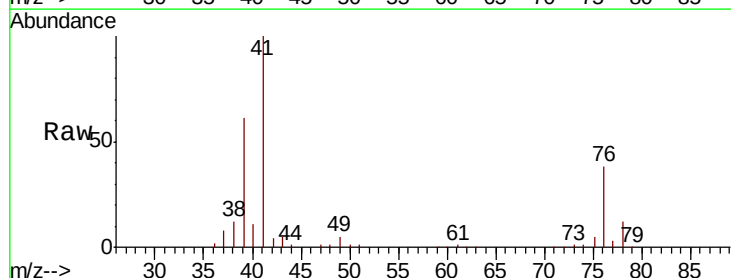
Tgt Ion: 41 Resp: 122905

Ion Ratio Lower Upper

41 100

39 55.6 50.8 76.2

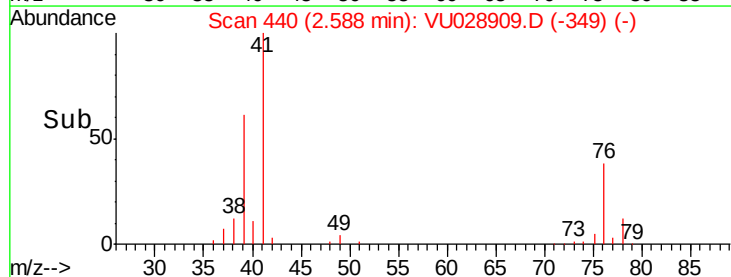
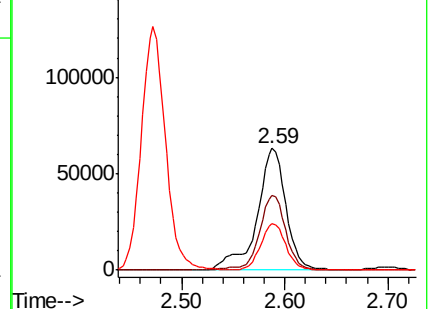
76 33.0 24.8 37.2

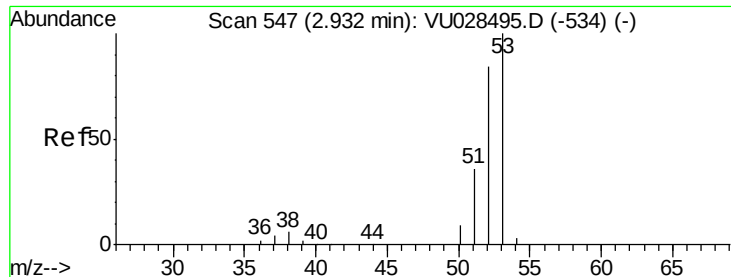


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

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

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





#15

Acrylonitrile

Concen: 226.979 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

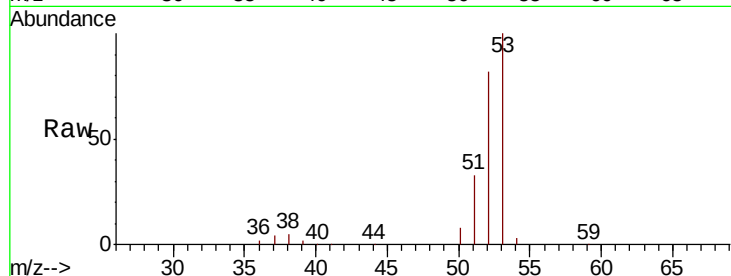
Tgt Ion: 53 Resp: 233082

Ion Ratio Lower Upper

53 100

52 80.3 66.1 99.1

51 32.3 28.1 42.1

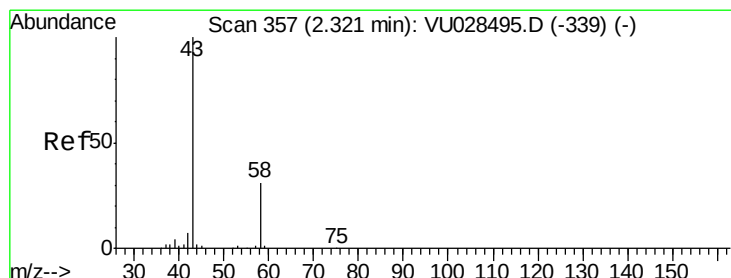
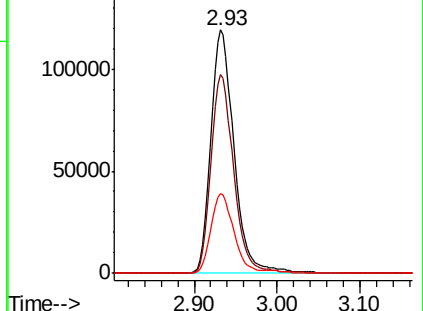
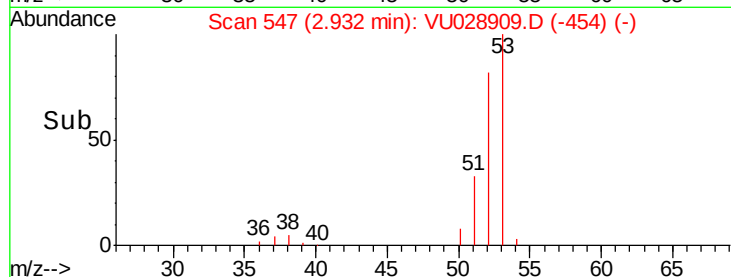


Abundance Ion 53.00 (52.70 to 53.70): VU028495.D (-534) (-)

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

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

2.93



#16

Acetone

Concen: 231.791 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028909.D

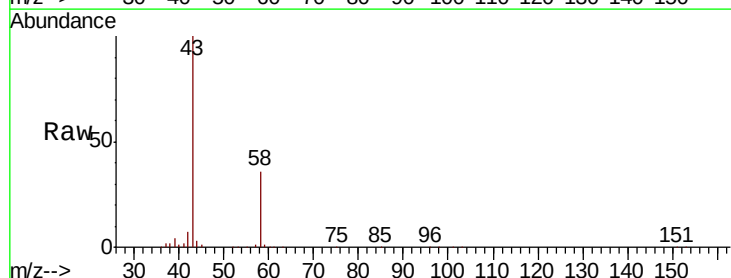
Acq: 22 Dec 2018 10:28

Tgt Ion: 43 Resp: 251104

Ion Ratio Lower Upper

43 100

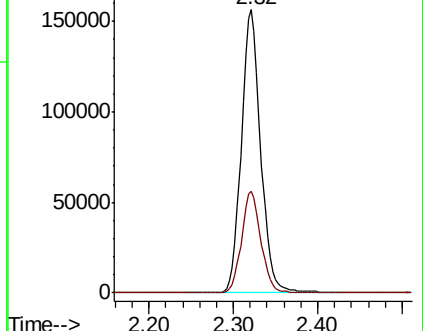
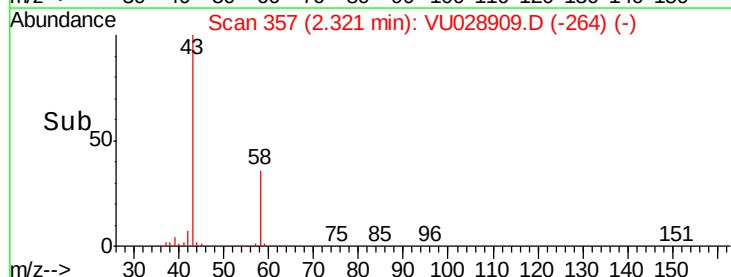
58 35.8 24.6 37.0

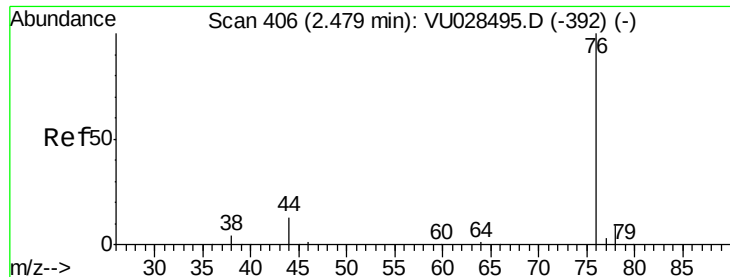


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

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

2.32





#17

Carbon Disulfide

Concen: 46.827 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

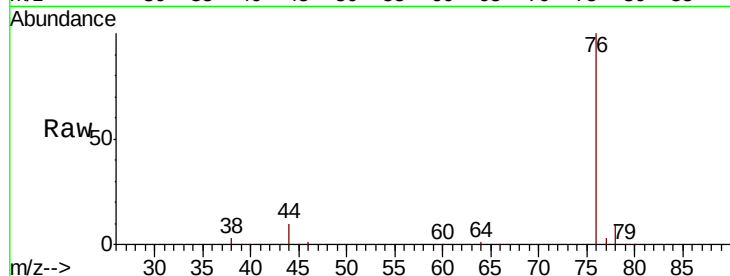
VSTDCCC050

Tgt Ion: 76 Resp: 204323

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



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

Ion 77.90 (77.60 to 78.60): VU028909.D (-313) (-)

2.47

150000

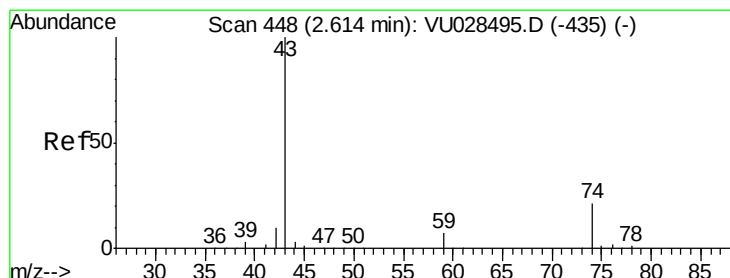
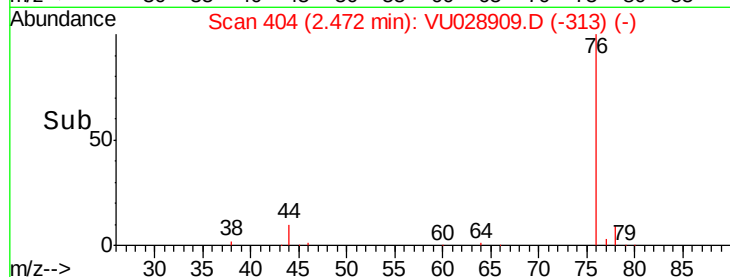
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 43.485 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028909.D

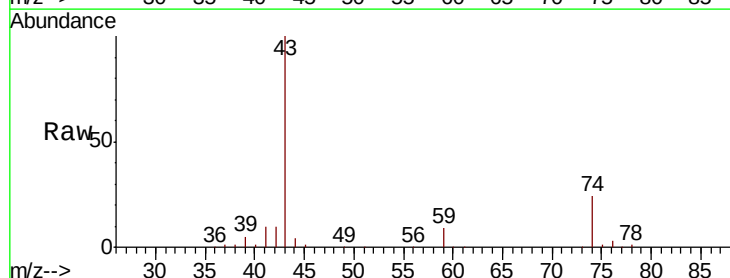
Acq: 22 Dec 2018 10:28

Tgt Ion: 43 Resp: 122116

Ion Ratio Lower Upper

43 100

74 23.7 16.4 24.6



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

Ion 74.00 (73.70 to 74.70): VU028909.D (-355) (-)

2.61

80000

60000

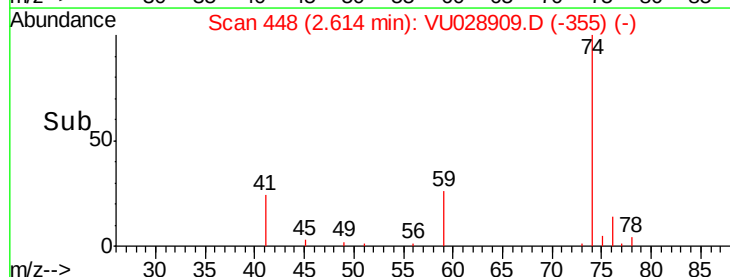
40000

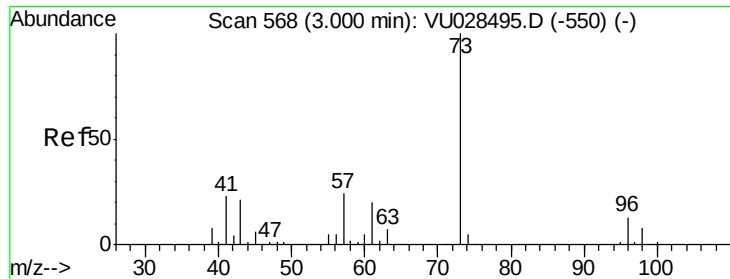
20000

0

2.55 2.60 2.65 2.70

Time-->

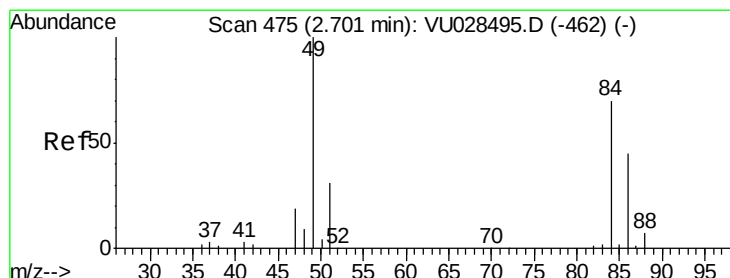
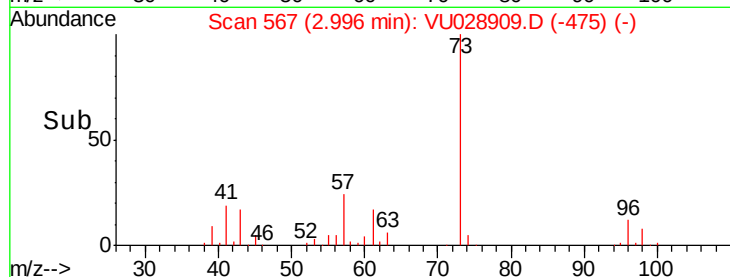
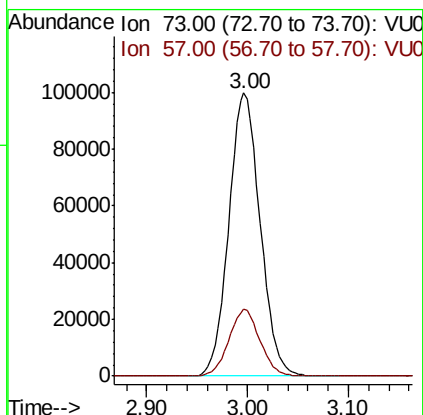
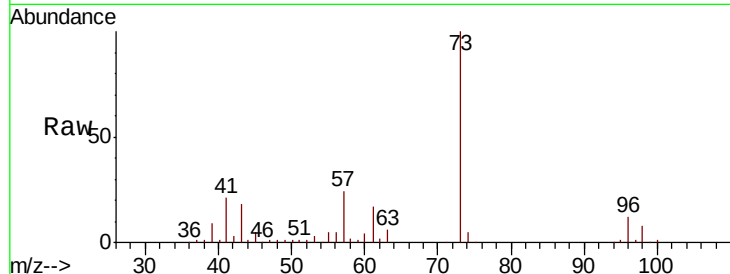




#19
Methyl tert-butyl Ether
Concen: 46.860 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

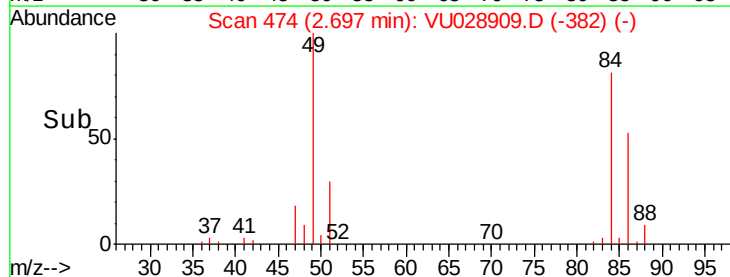
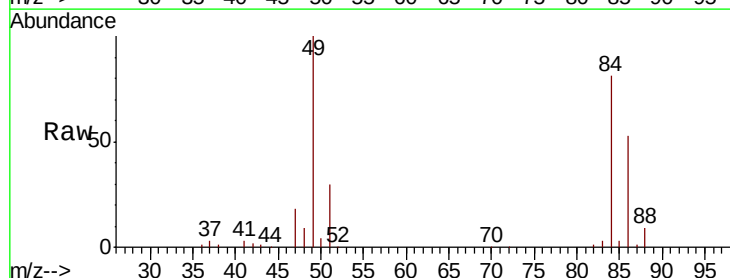
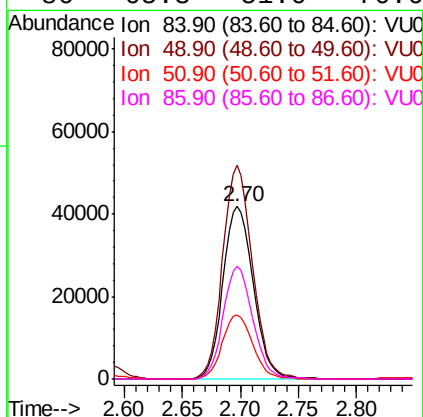
Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

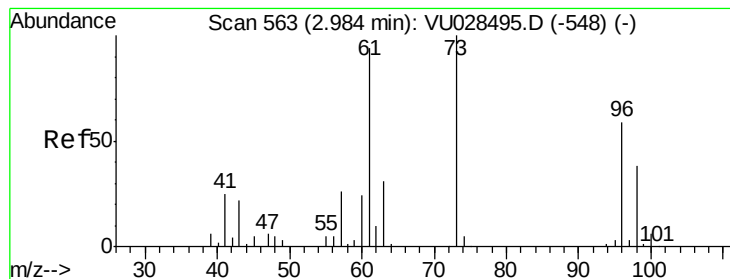
Tgt Ion: 73 Resp: 215159
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.2



#20
Methylene Chloride
Concen: 47.510 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 84 Resp: 75872
Ion Ratio Lower Upper
84 100
49 123.9 114.0 171.0
51 37.5 35.1 52.7
86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.407 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

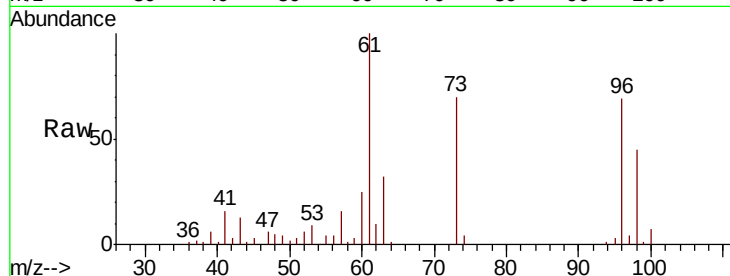
Tgt Ion: 96 Resp: 67377

Ion Ratio Lower Upper

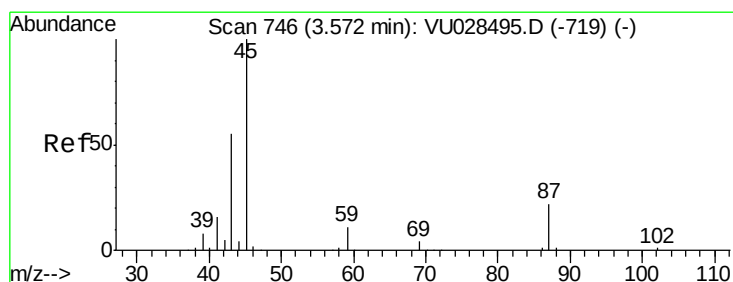
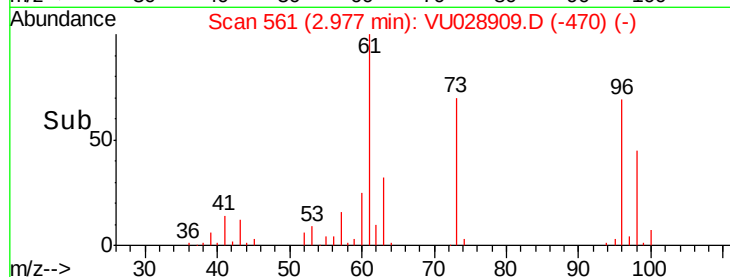
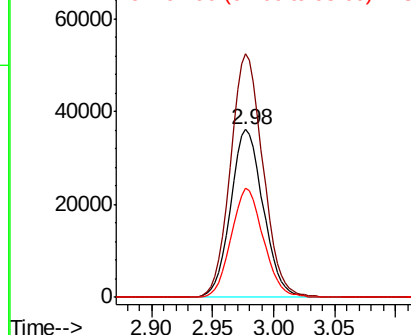
96 100

61 145.3 127.0 190.4

98 64.8 51.9 77.9



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



#22

Diisopropyl ether

Concen: 42.459 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion: 45 Resp: 236584

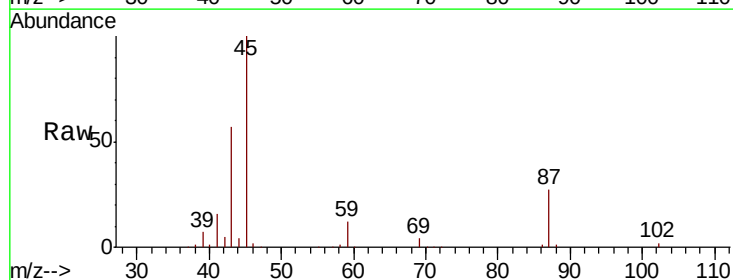
Ion Ratio Lower Upper

45 100

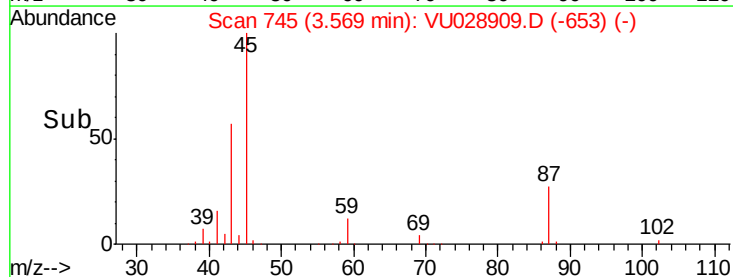
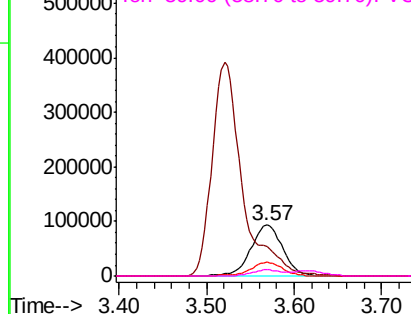
43 56.2 45.3 67.9

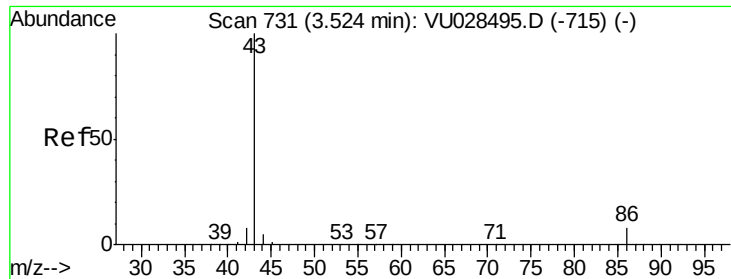
87 26.7 17.6 26.4#

59 11.9 8.8 13.2



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





#23

Vinyl Acetate

Concen: 205.155 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

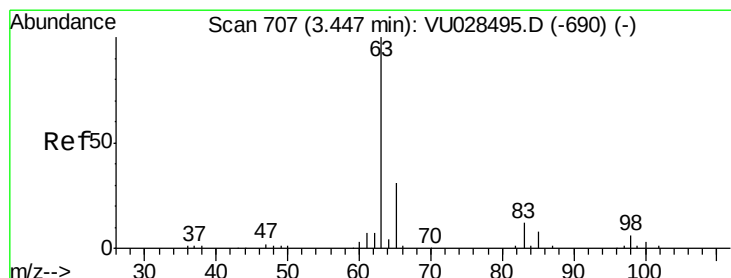
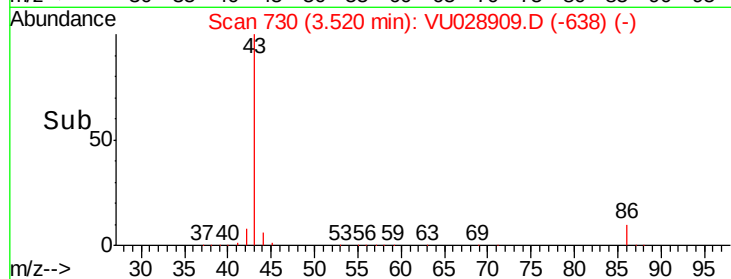
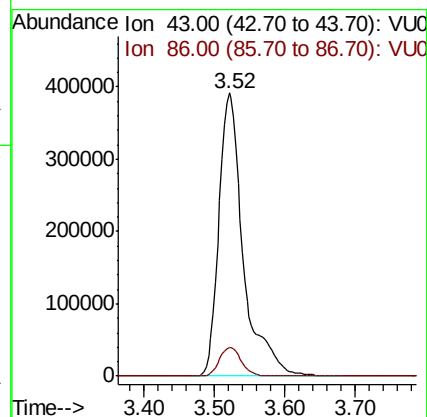
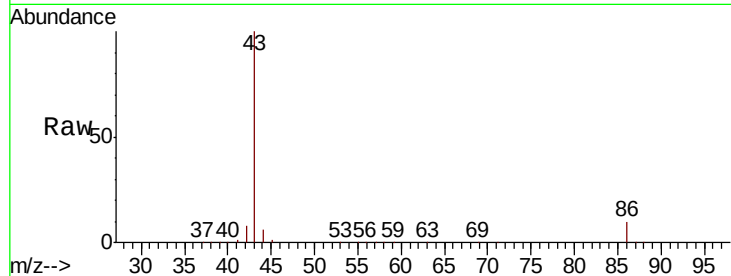
VSTDCCC050

Tgt Ion: 43 Resp: 942908

Ion Ratio Lower Upper

43 100

86 10.3 6.8 10.2#



#24

1,1-Dichloroethane

Concen: 45.748 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

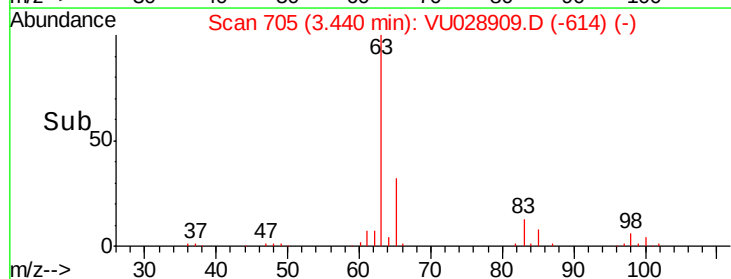
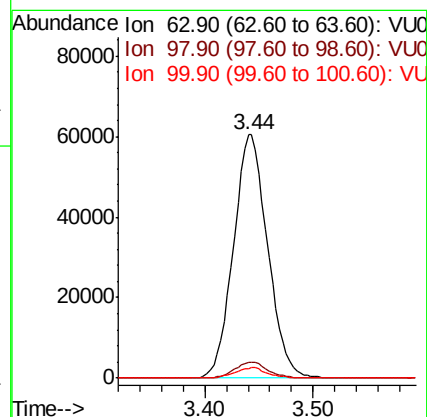
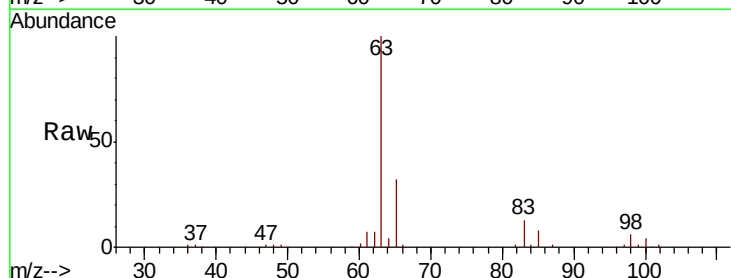
Tgt Ion: 63 Resp: 133434

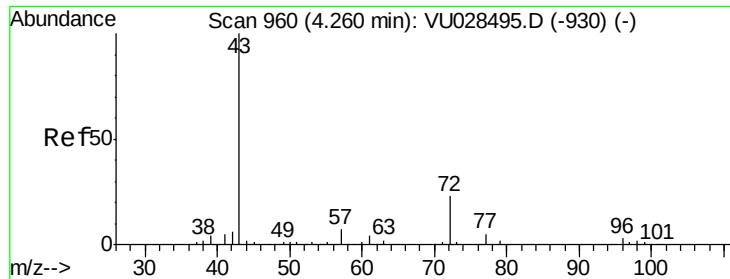
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 1.7 5.1





#25

2-Butanone

Concen: 219.744 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

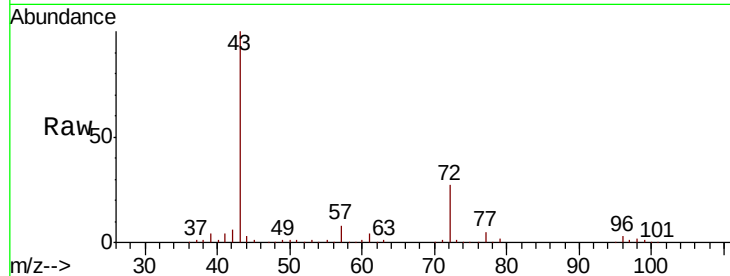
VSTDCCC050

Tgt Ion: 43 Resp: 325323

Ion Ratio Lower Upper

43 100

72 26.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

150000

100000

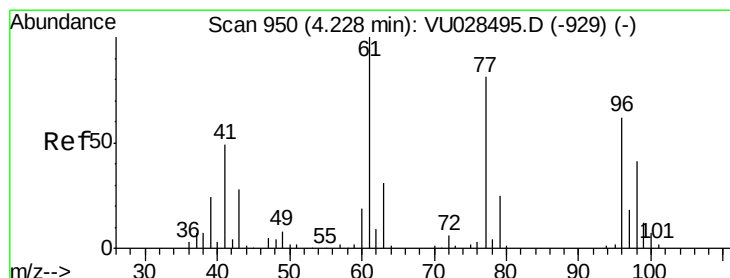
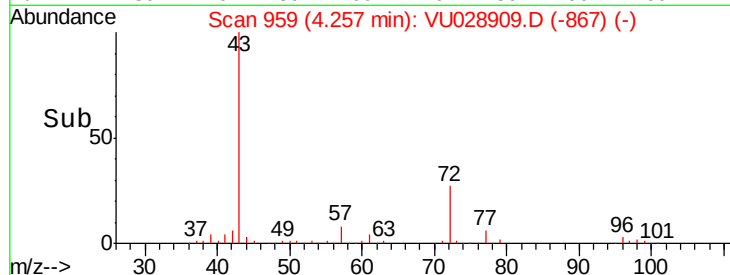
50000

0

4.26

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 46.570 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028909.D

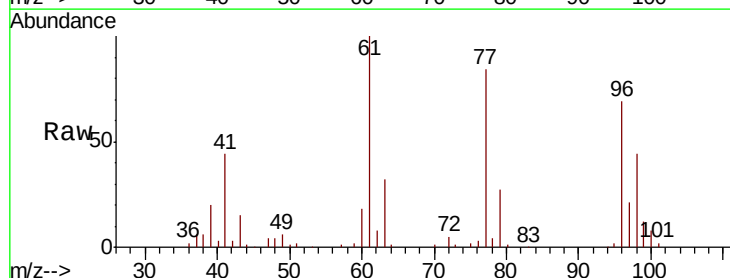
Acq: 22 Dec 2018 10:28

Tgt Ion: 77 Resp: 107628

Ion Ratio Lower Upper

77 100

97 23.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028909.D (-857) (-)

Ion 96.90 (96.60 to 97.60): VU028909.D (-857) (-)

40000

30000

20000

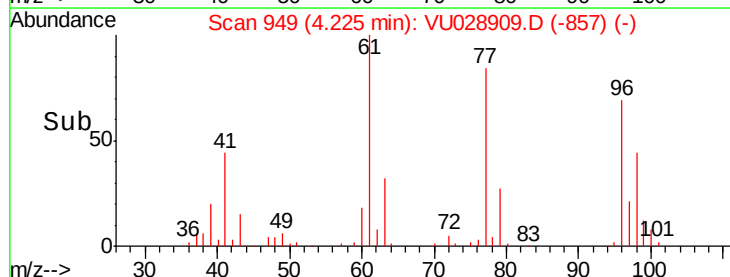
10000

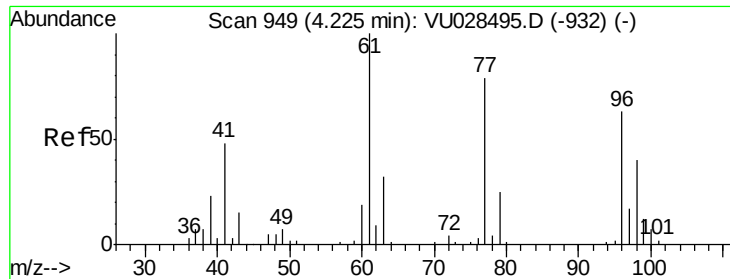
0

4.22

4.10 4.20 4.30

Time-->



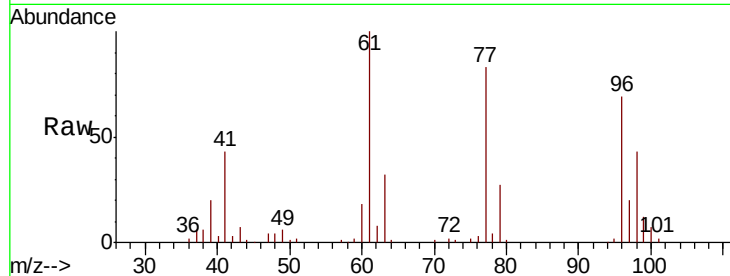


#27

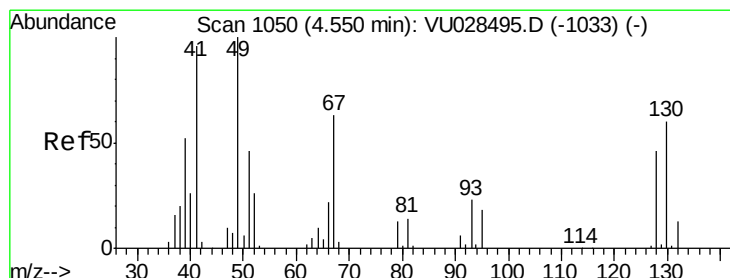
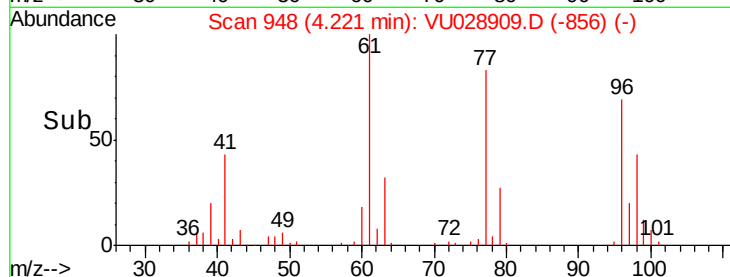
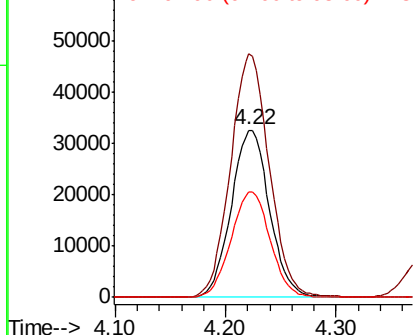
cis-1,2-Dichloroethene
Concen: 50.697 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 78252
Ion Ratio Lower Upper
96 100
61 147.5 0.0 332.4
98 64.4 0.0 129.0



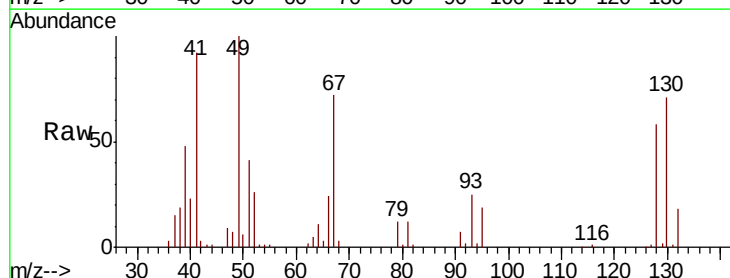
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



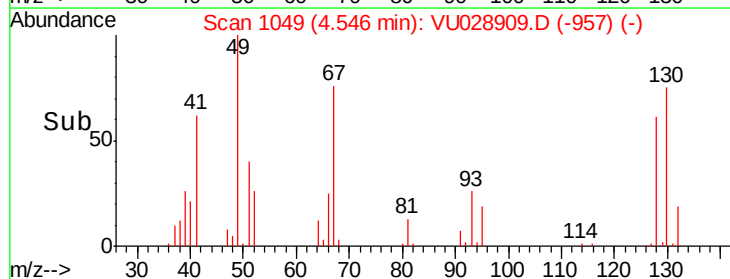
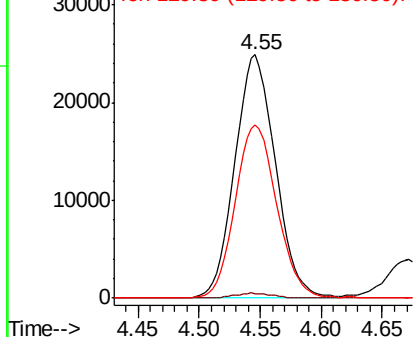
#28

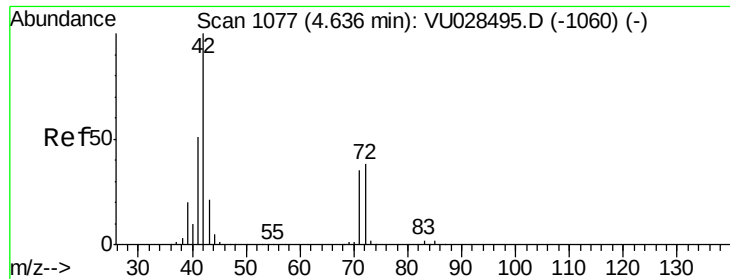
Bromochloromethane
Concen: 43.263 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 49 Resp: 57365
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.0
130 72.8 47.8 71.8#



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

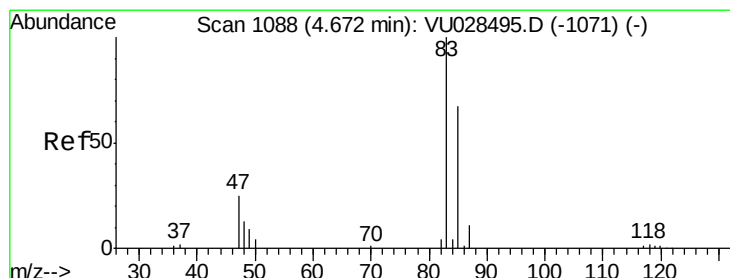
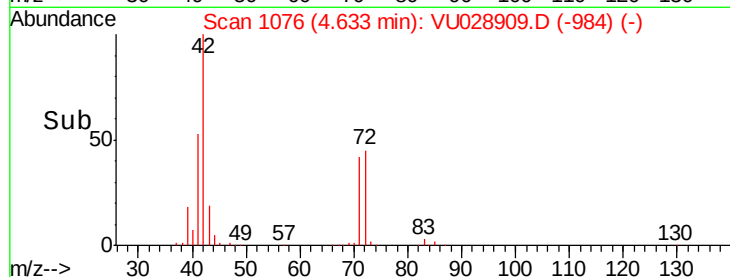
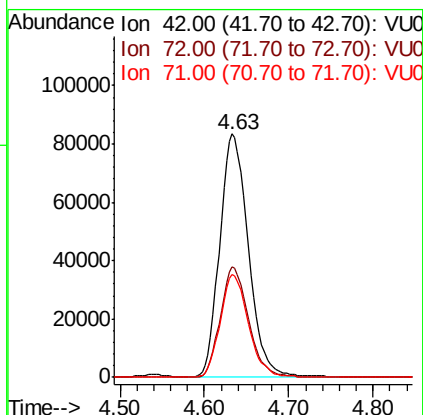
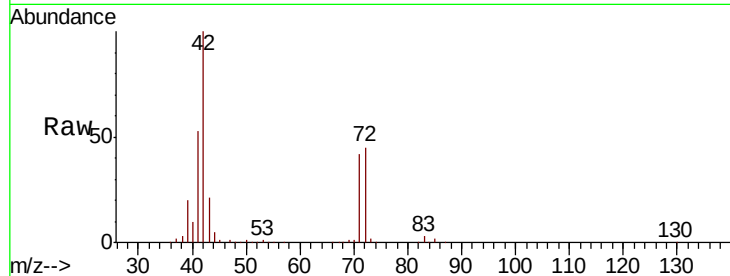




#29
Tetrahydrofuran
Concen: 206.202 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

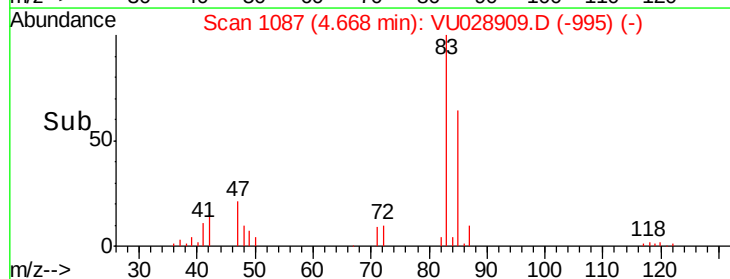
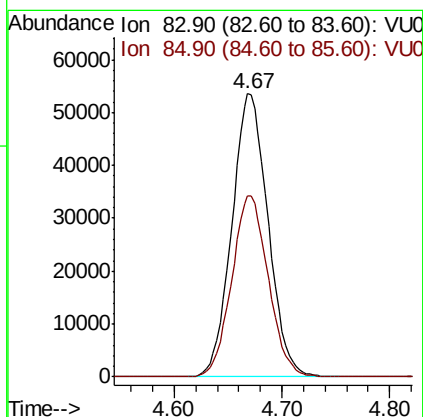
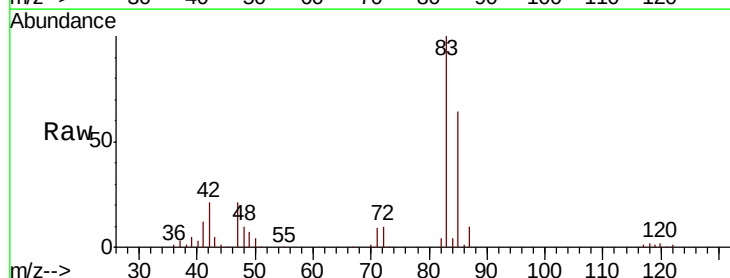
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

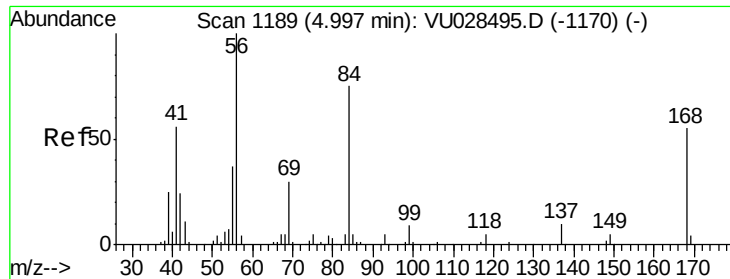
Tgt Ion: 42 Resp: 196060
Ion Ratio Lower Upper
42 100
72 44.9 31.4 47.0
71 41.8 28.6 43.0



#30
Chloroform
Concen: 49.045 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 83 Resp: 124679
Ion Ratio Lower Upper
83 100
85 64.1 53.6 80.4

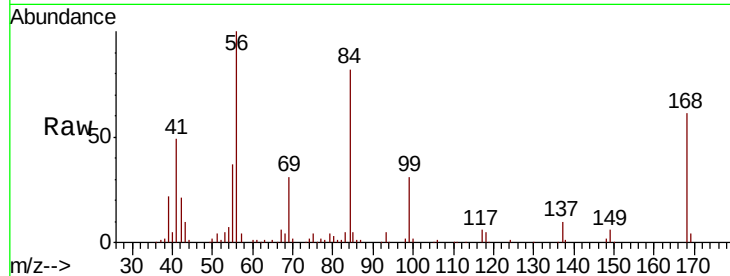




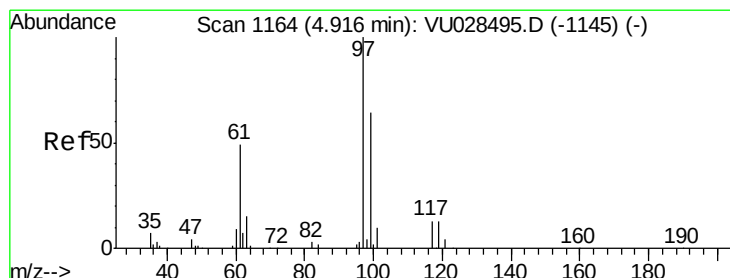
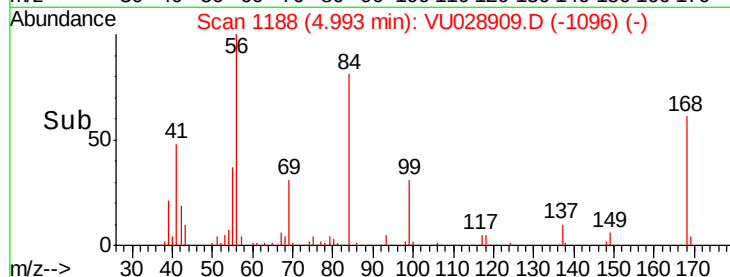
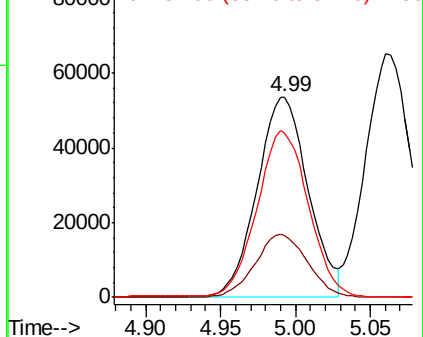
#31
Cyclohexane
Concen: 44.621 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 127371
Ion Ratio Lower Upper
56 100
69 30.7 24.0 36.0
84 81.4 59.7 89.5

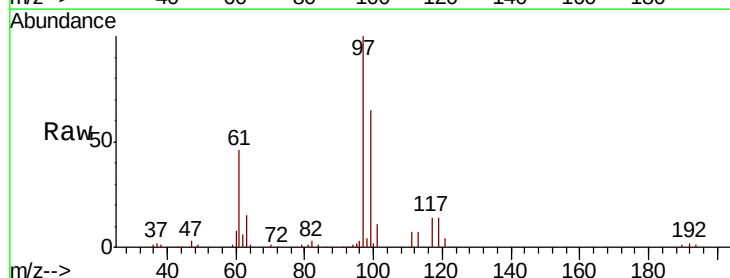


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

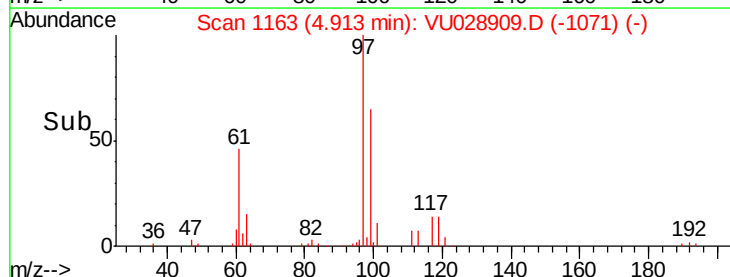
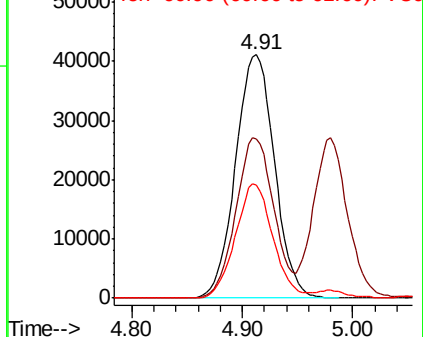


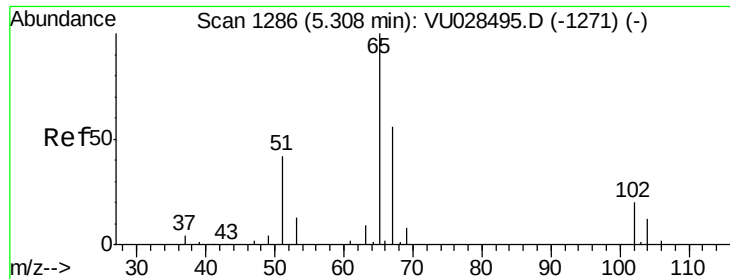
#32
1,1,1-Trichloroethane
Concen: 47.576 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 97 Resp: 100448
Ion Ratio Lower Upper
97 100
99 64.9 52.3 78.5
61 45.0 39.0 58.6



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

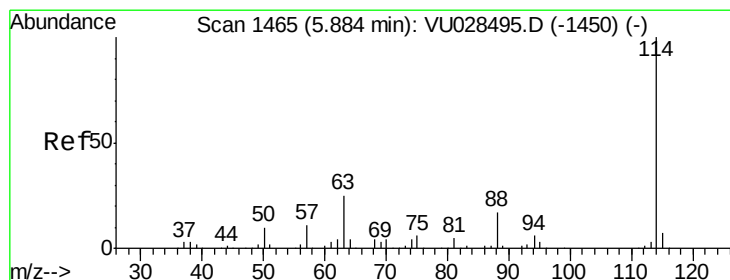
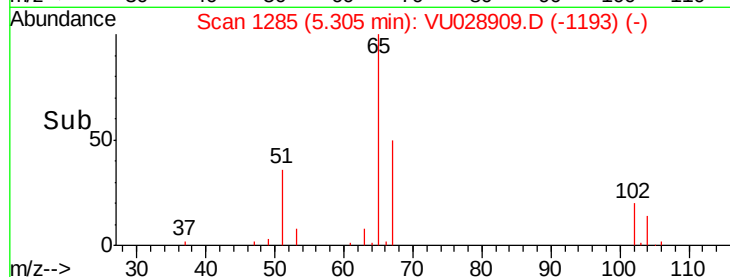
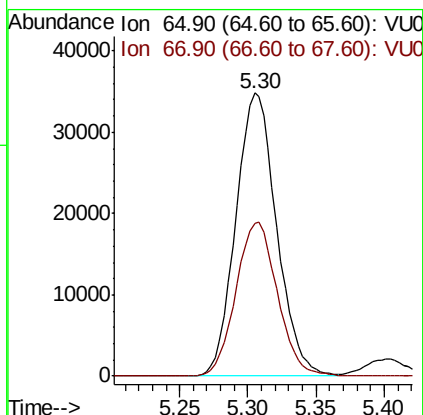
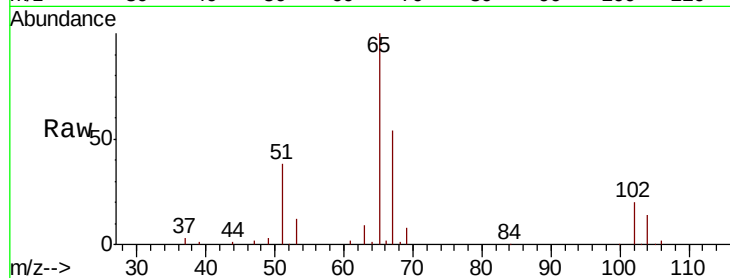




#33
 1,2-Dichloroethane-d4
 Concen: 43.514 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

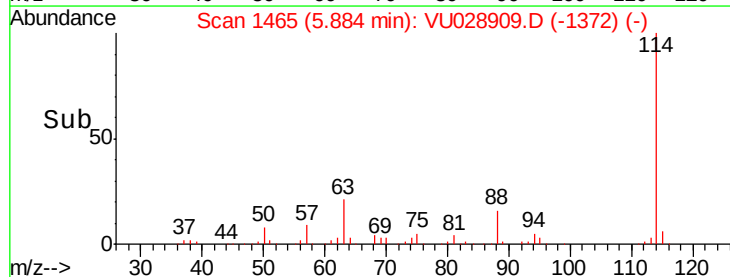
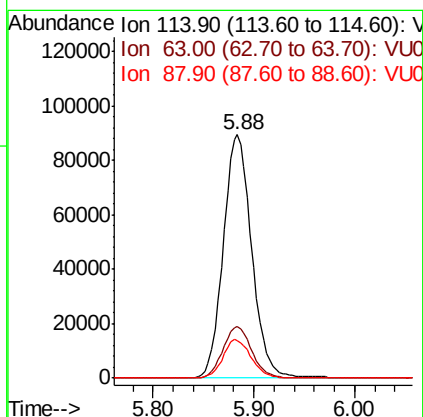
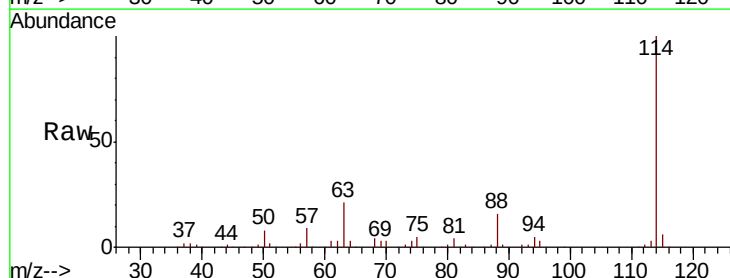
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

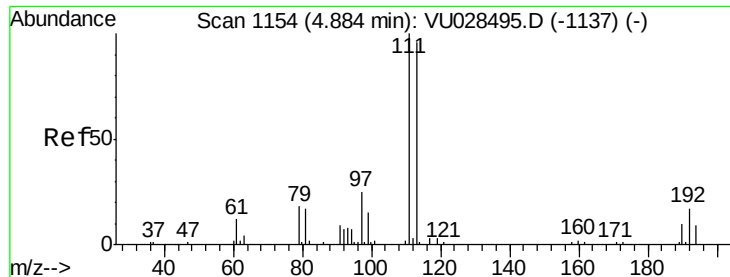
Tgt Ion: 65 Resp: 72239
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 114 Resp: 176188
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 49.2
 88 15.6 0.0 33.4

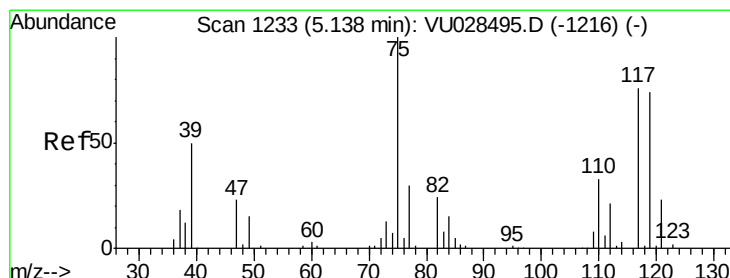
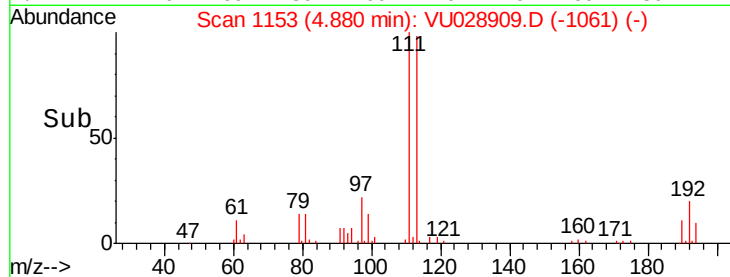
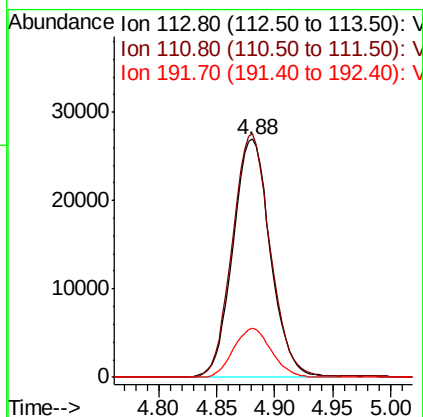
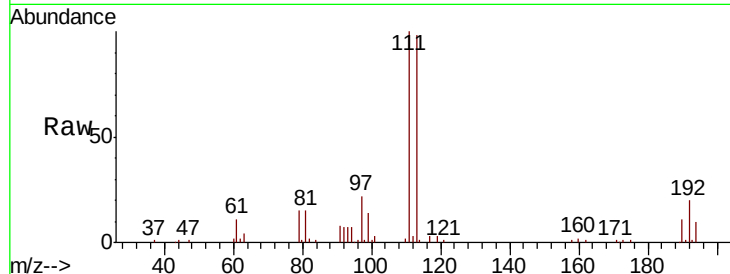




#35
 Dibromofluoromethane
 Concen: 54.550 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

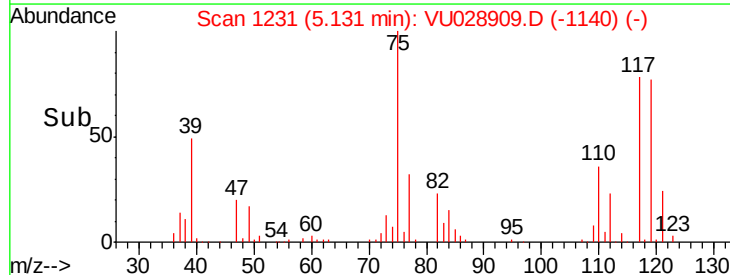
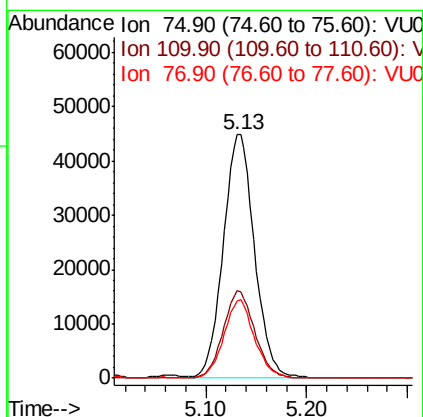
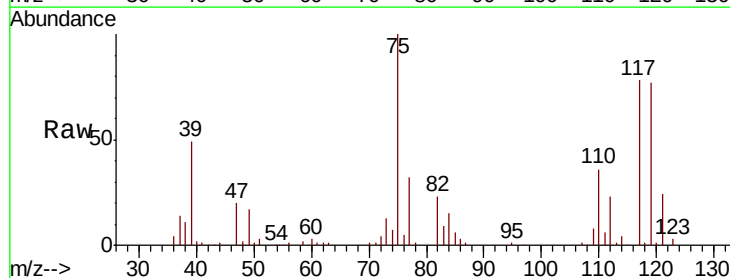
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

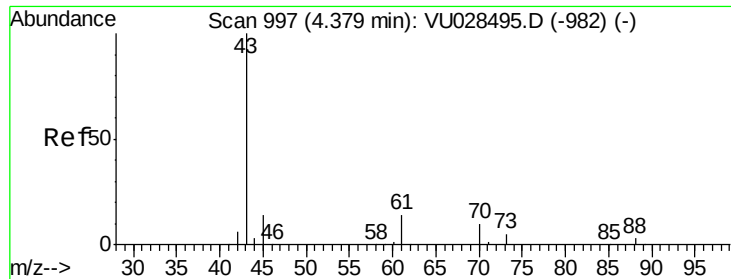
Tgt Ion: 113 Resp: 60483
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 20.5 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 50.374 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 75 Resp: 97122
 Ion Ratio Lower Upper
 75 100
 110 36.0 16.1 48.2
 77 31.4 24.5 36.7

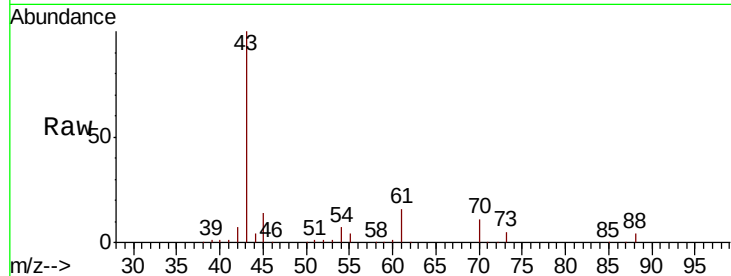




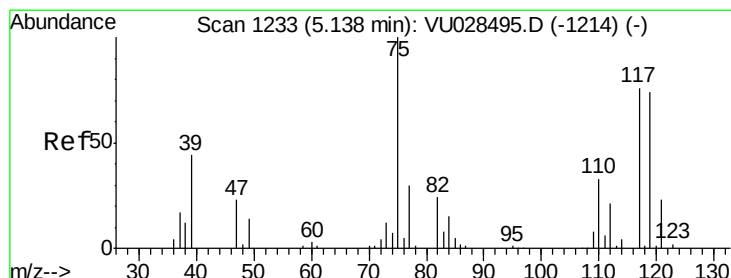
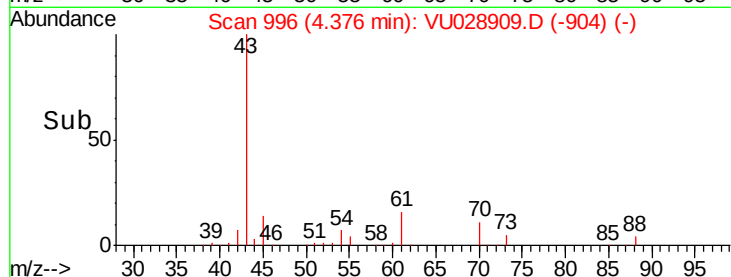
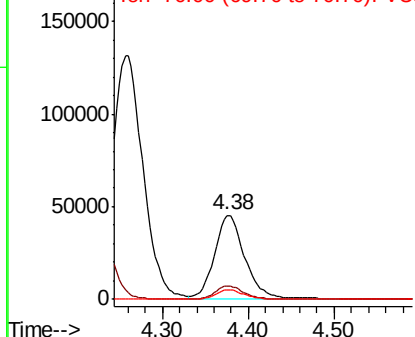
#37
Ethyl Acetate
Concen: 44.051 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 109790
Ion Ratio Lower Upper
43 100
61 15.6 11.0 16.4
70 10.9 7.4 11.0

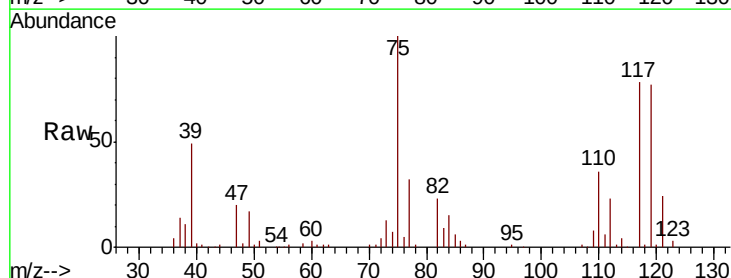


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

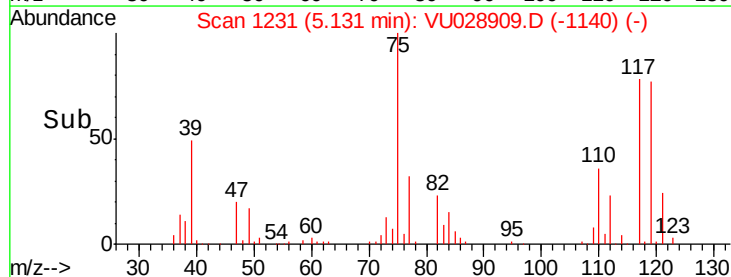
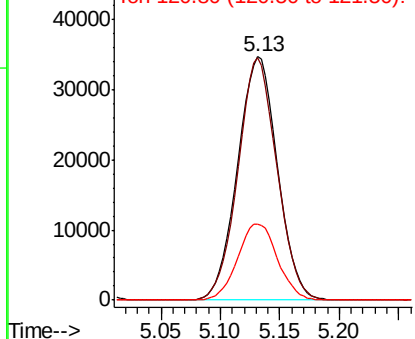


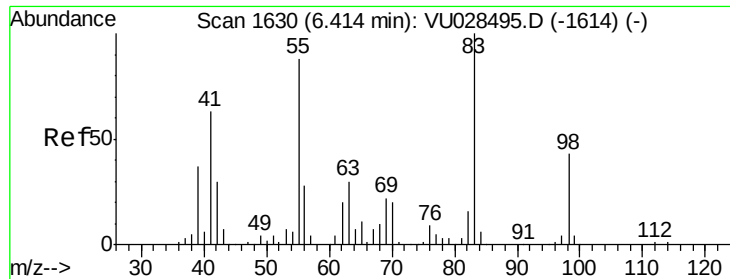
#38
Carbon Tetrachloride
Concen: 51.892 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 117 Resp: 80638
Ion Ratio Lower Upper
117 100
119 99.7 77.6 116.4
121 31.3 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

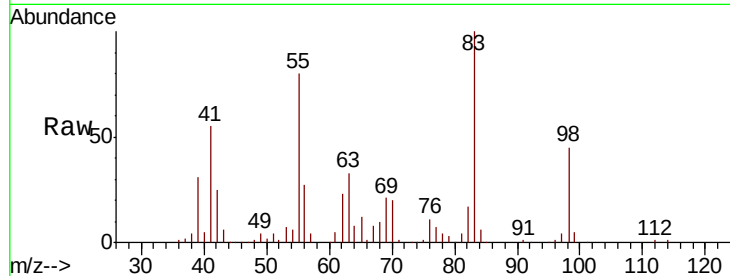




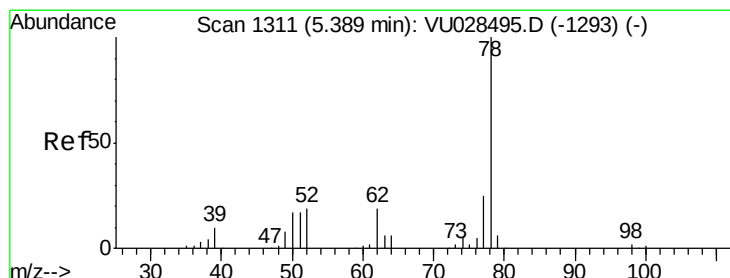
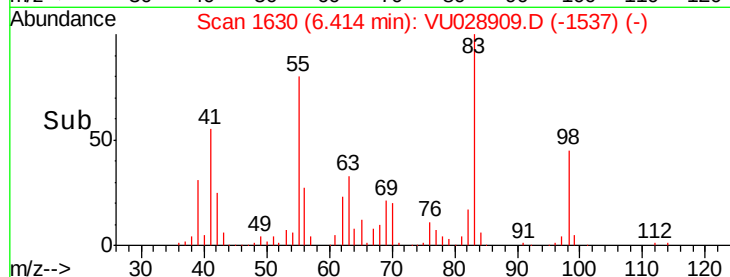
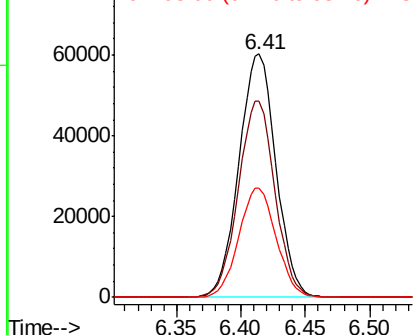
#39
Methylcyclohexane
Concen: 51.231 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 120501
Ion Ratio Lower Upper
83 100
55 80.4 70.2 105.2
98 44.9 34.2 51.4

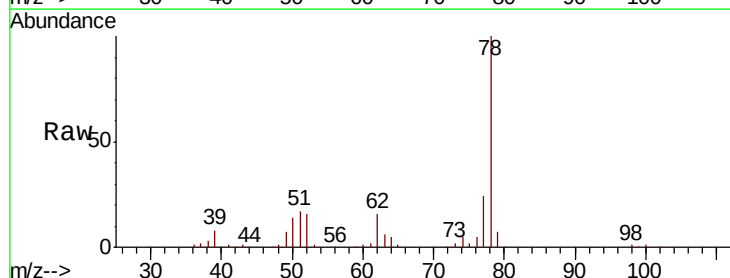


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

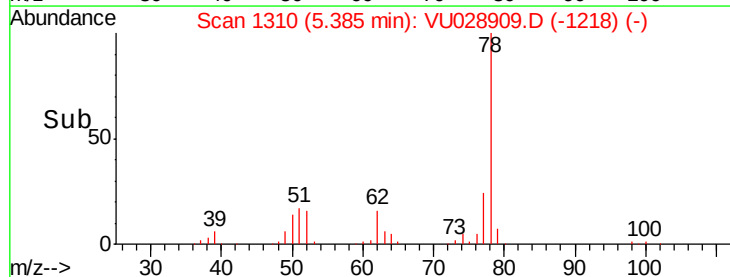
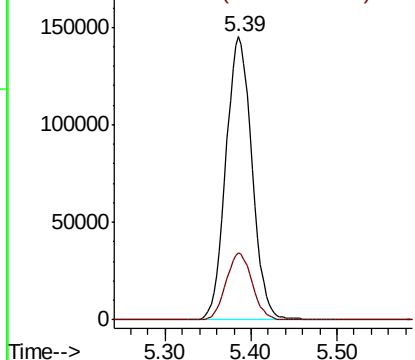


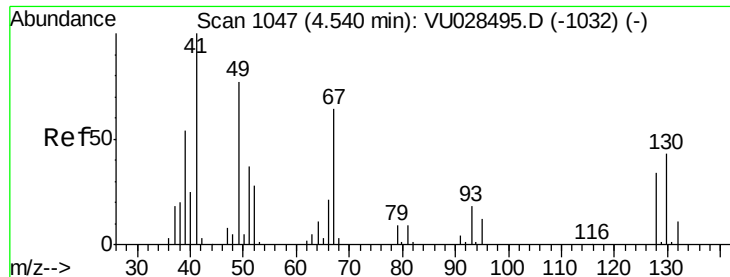
#40
Benzene
Concen: 53.809 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 78 Resp: 305551
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9



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

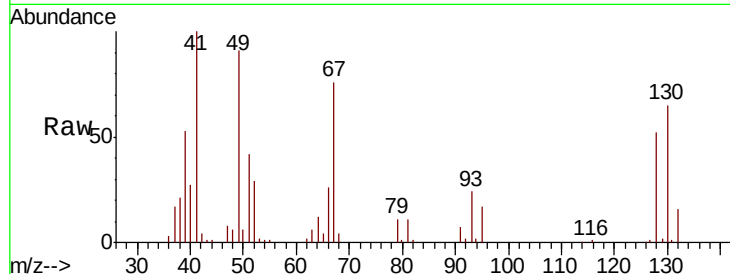




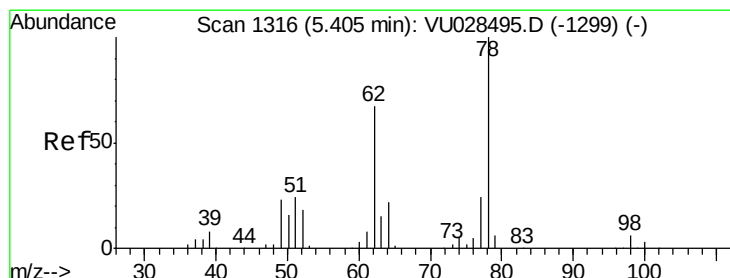
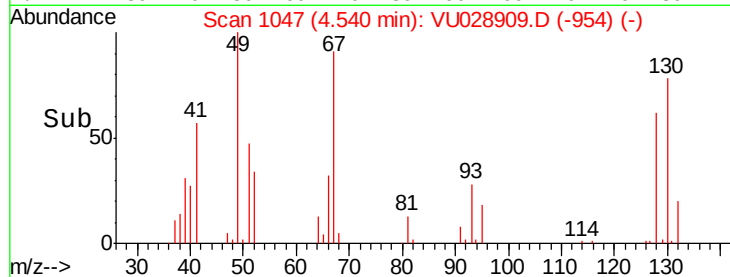
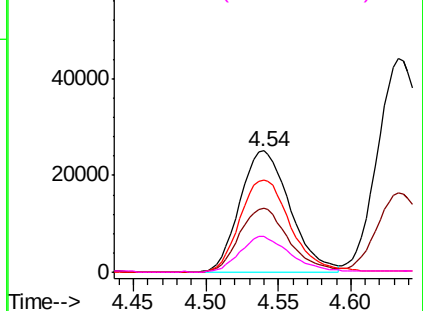
#41
Methacrylonitrile
Concen: 44.410 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	60616
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	76.5	53.6	80.4
52	30.0	22.1	33.1

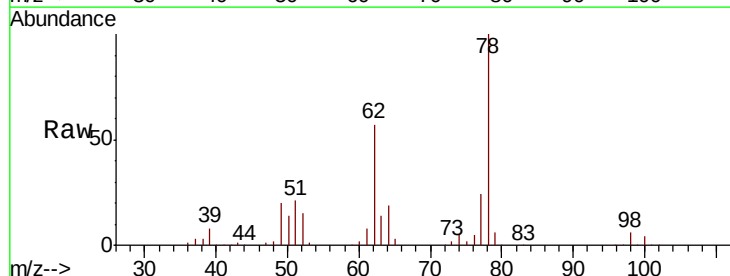


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

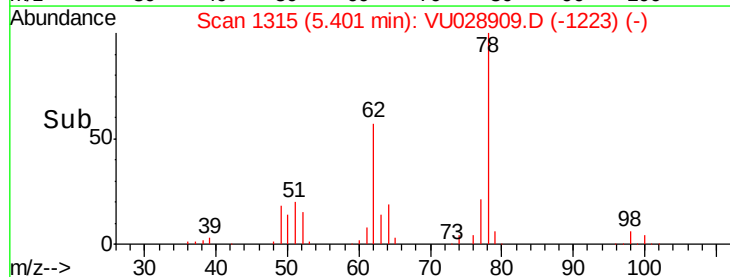
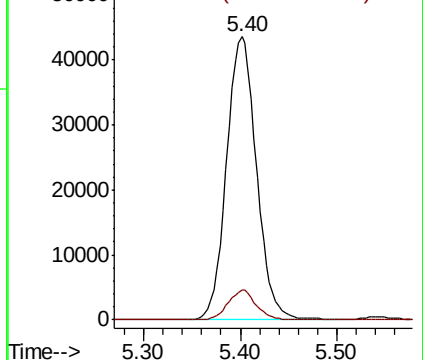


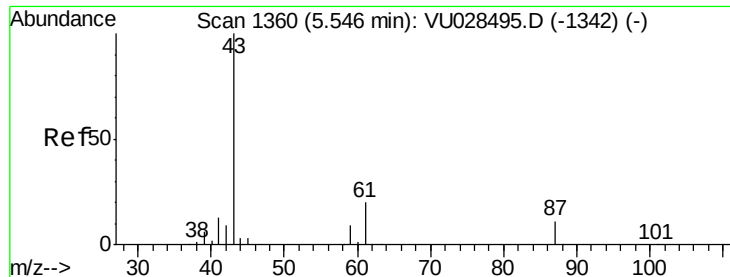
#42
1,2-Dichloroethane
Concen: 47.123 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion:	62	Resp:	93664
Ion	Ratio	Lower	Upper
62	100		
98	9.8	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: 43.785 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

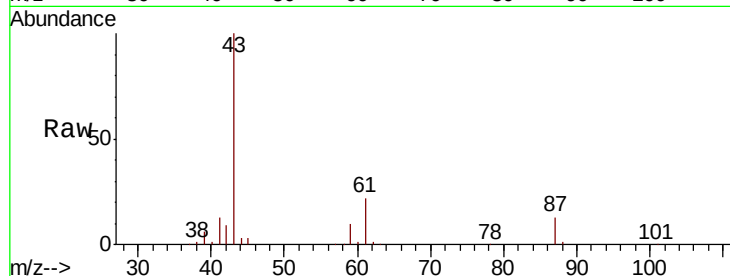
Tgt Ion: 43 Resp: 172606

Ion Ratio Lower Upper

43 100

61 21.8 15.5 23.3

87 13.3 8.7 13.1#

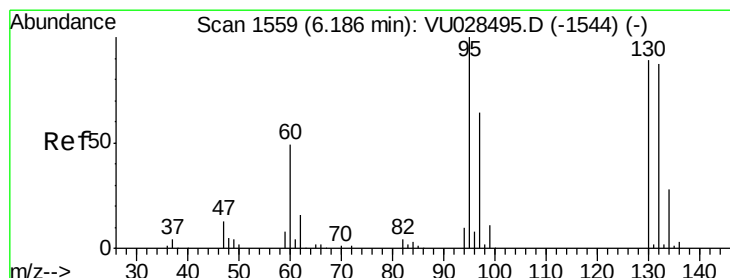
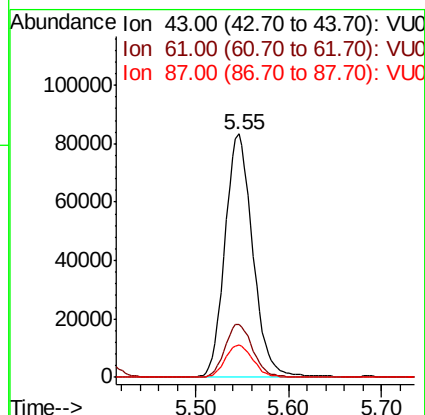
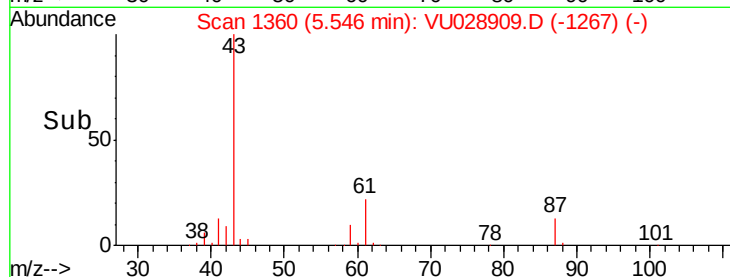


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 57.272 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028909.D

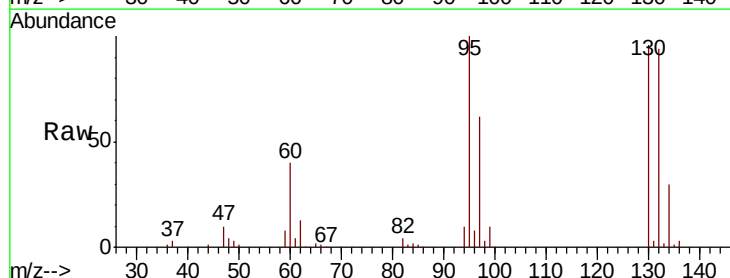
Acq: 22 Dec 2018 10:28

Tgt Ion: 130 Resp: 72311

Ion Ratio Lower Upper

130 100

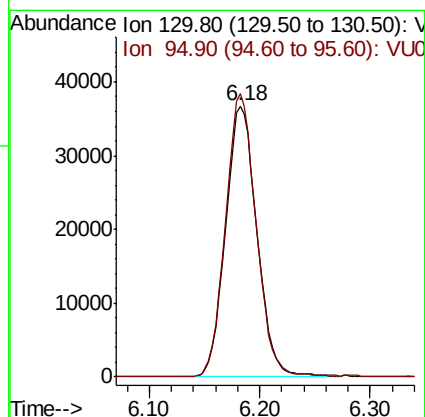
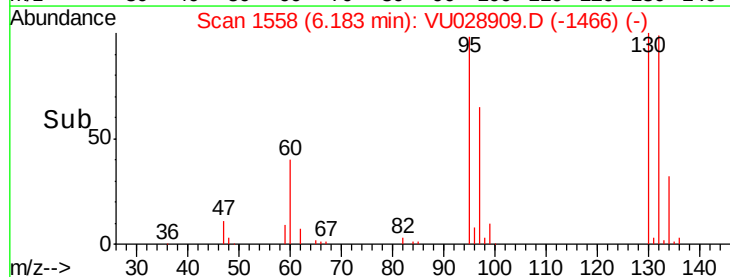
95 104.6 0.0 224.0

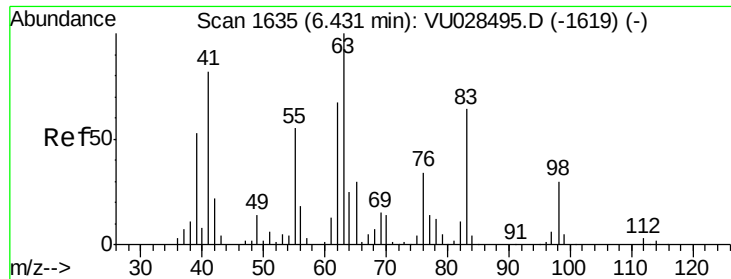


Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

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

Time-->

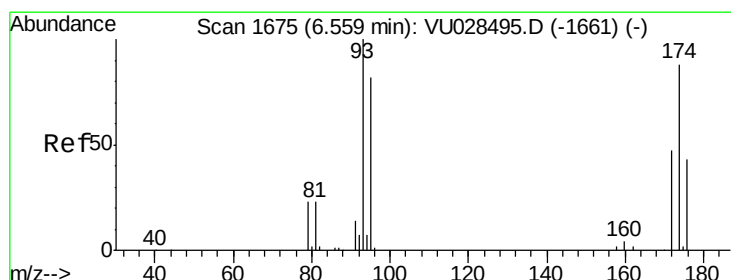
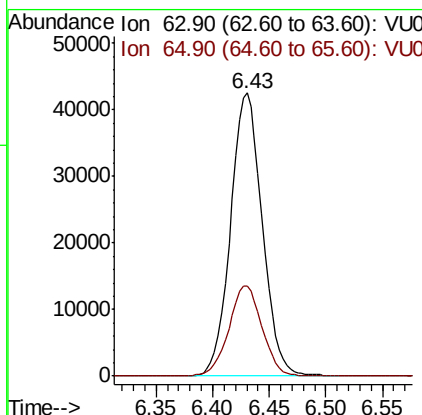
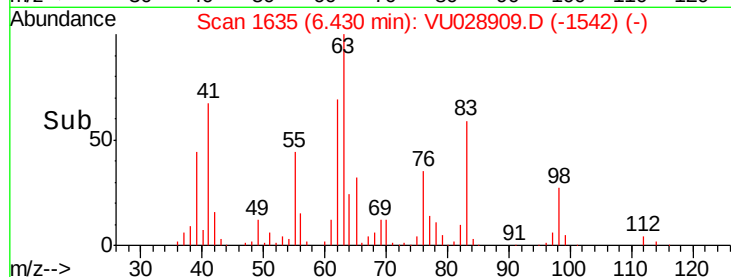
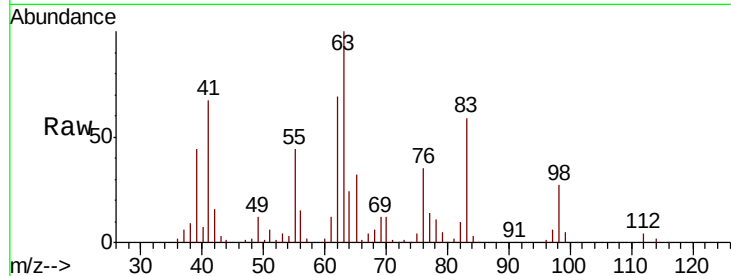




#45
 1,2-Dichloropropane
 Concen: 51.962 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

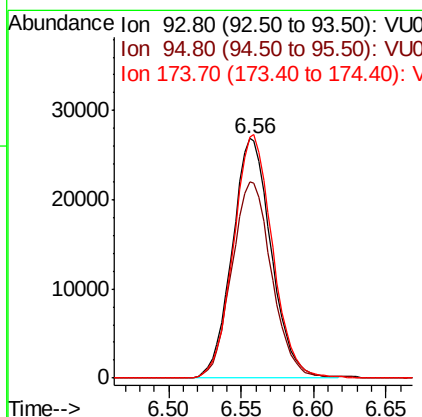
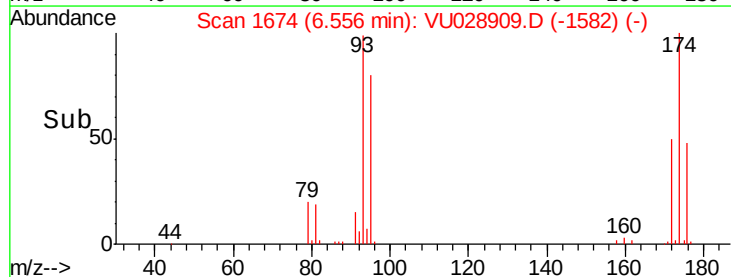
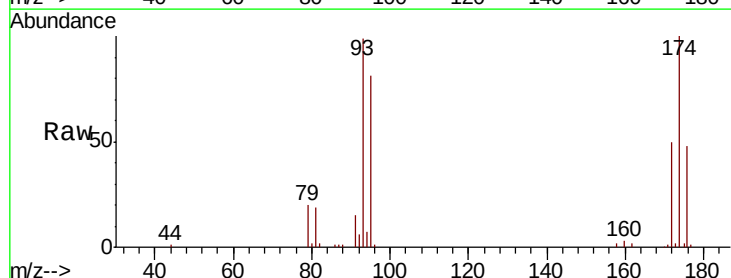
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

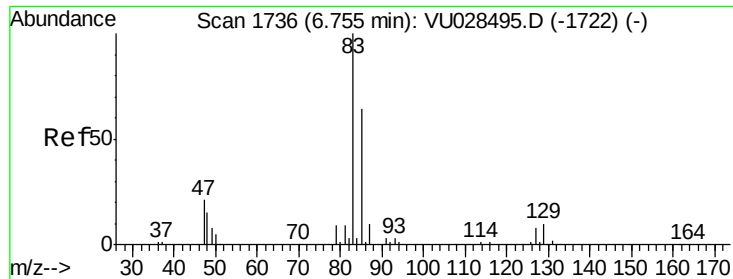
Tgt Ion: 63 Resp: 82974
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4



#46
 Dibromomethane
 Concen: 53.128 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 93 Resp: 50335
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.4 98.2
 174 101.4 72.2 108.4

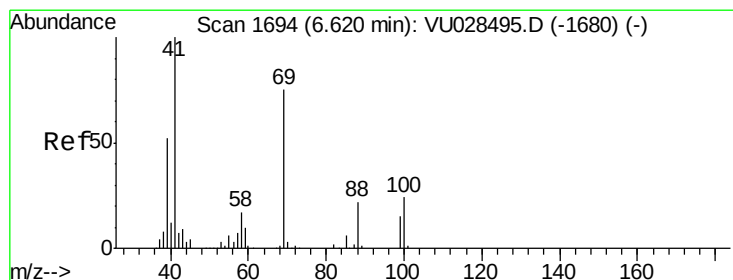
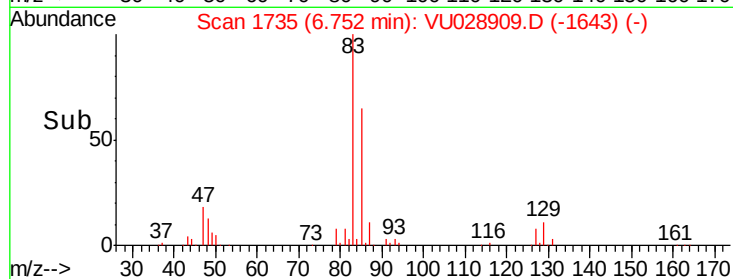
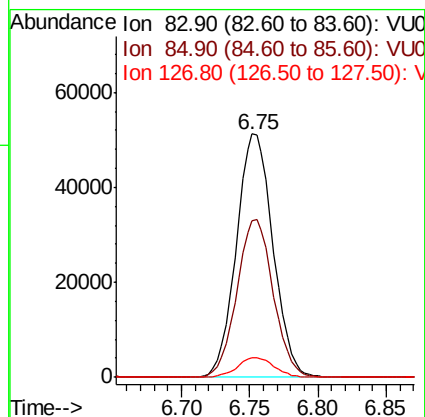
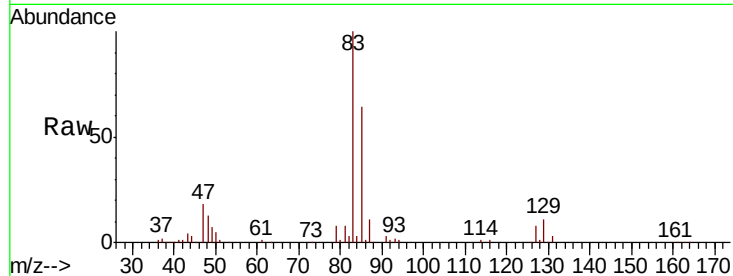




#47
Bromodichloromethane
Concen: 51.710 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

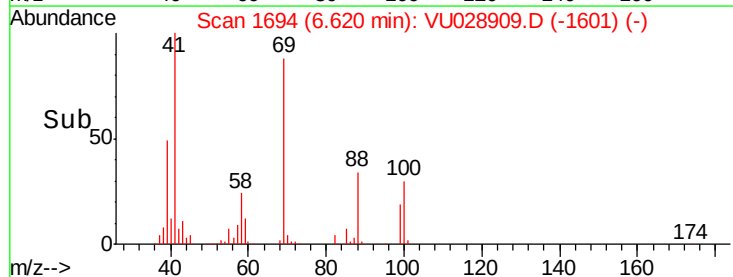
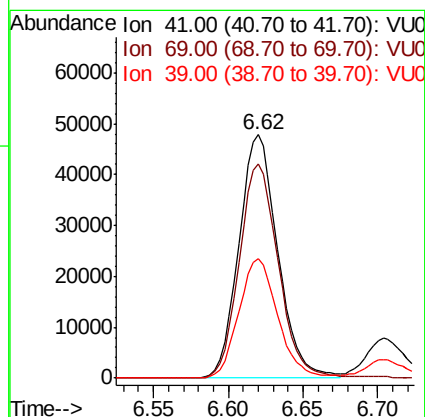
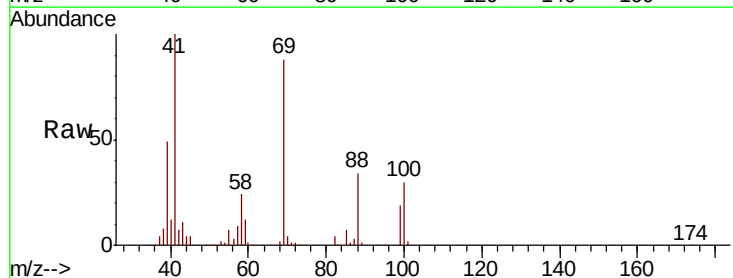
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

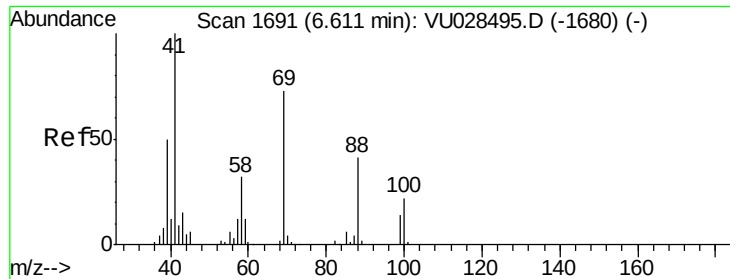
Tgt Ion: 83 Resp: 95336
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3
127 8.2 6.2 9.4



#48
Methyl methacrylate
Concen: 44.207 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 41 Resp: 86665
Ion Ratio Lower Upper
41 100
69 88.9 60.4 90.6
39 49.1 41.1 61.7

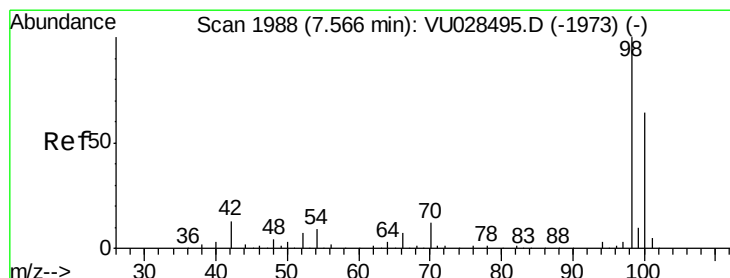
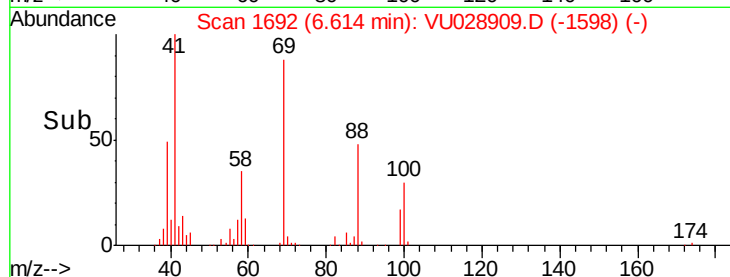
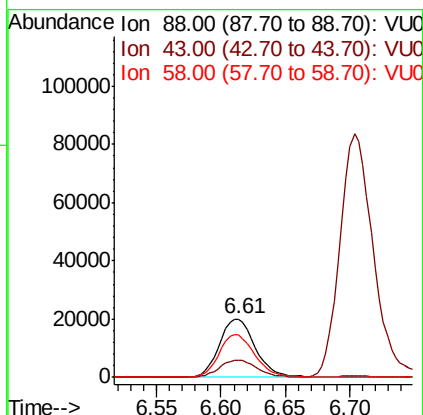
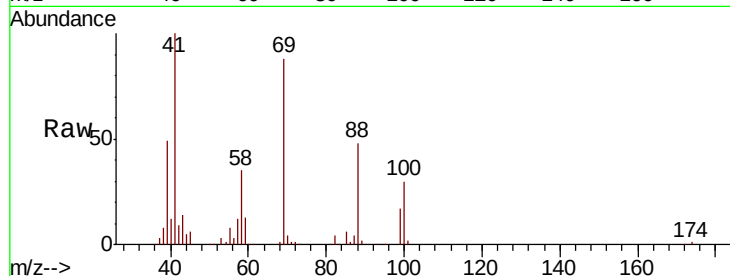




#49
1,4-Dioxane
Concen: 1255.583 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

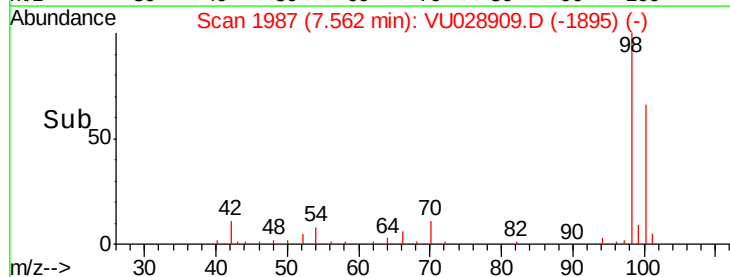
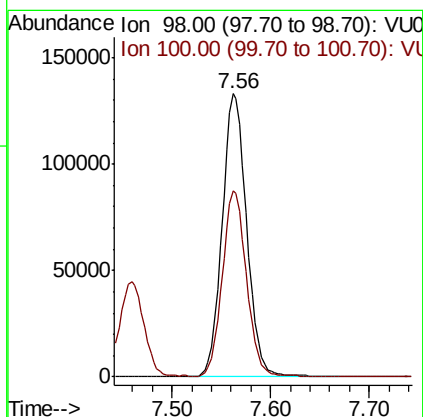
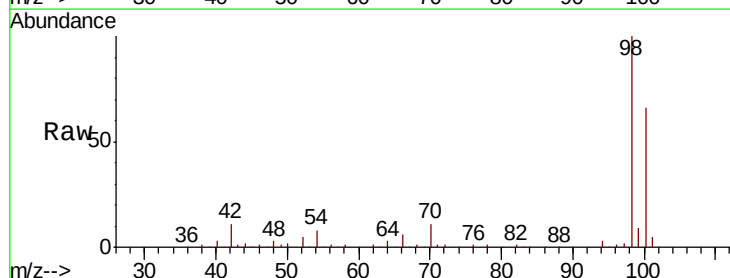
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

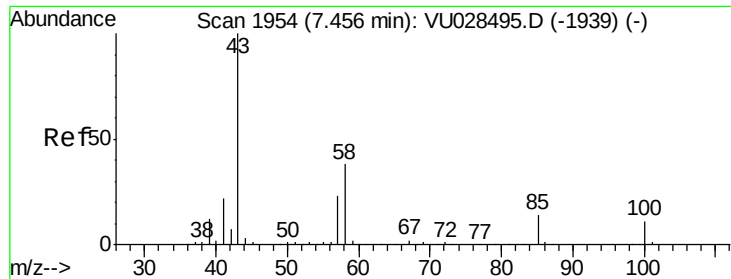
Tgt Ion: 88 Resp: 38866
Ion Ratio Lower Upper
88 100
43 31.1 30.9 46.3
58 73.1 62.4 93.6



#50
Toluene-d8
Concen: 52.934 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 98 Resp: 232172
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 221.049 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

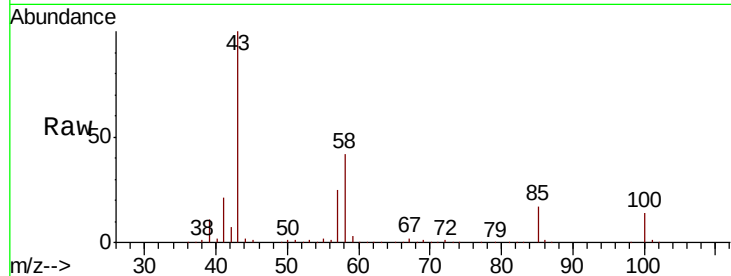
VSTDCCC050

Tgt Ion: 43 Resp: 549603

Ion Ratio Lower Upper

43 100

58 41.6 30.2 45.2



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

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

7.46

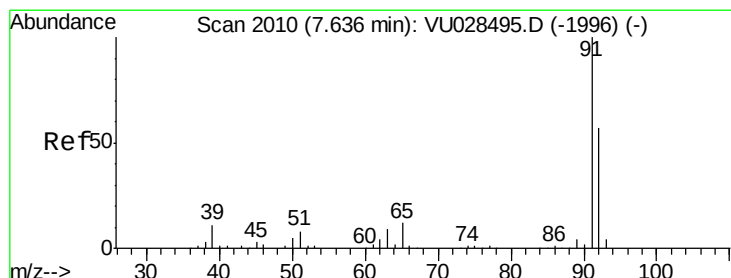
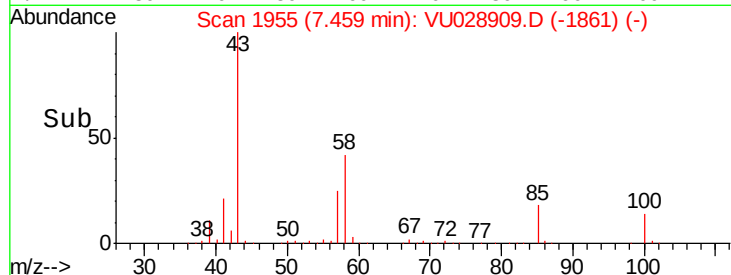
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.739 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028909.D

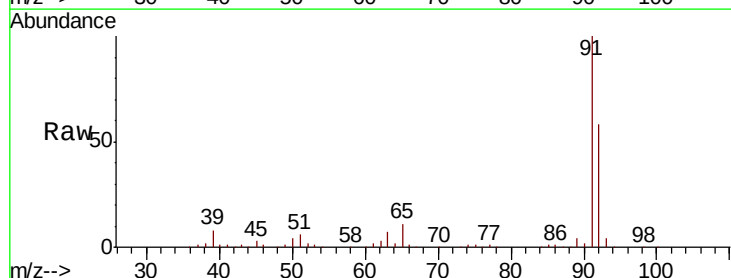
Acq: 22 Dec 2018 10:28

Tgt Ion: 92 Resp: 182930

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4



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

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

7.64

200000

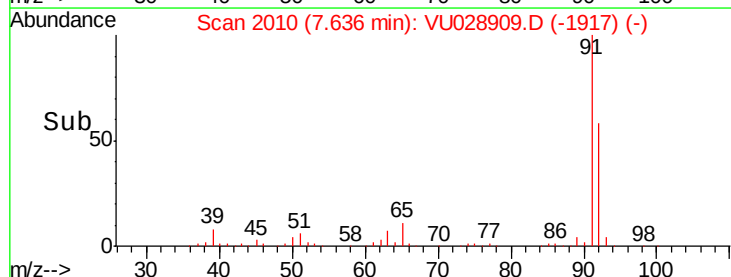
150000

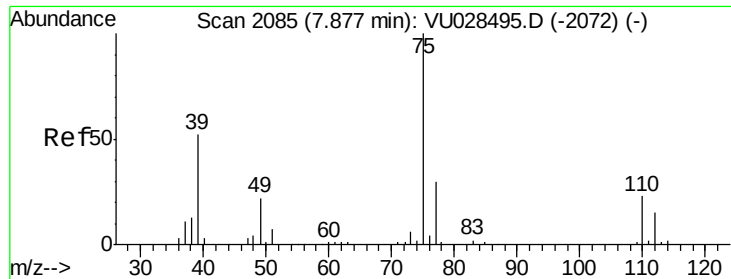
100000

50000

0

Time-->

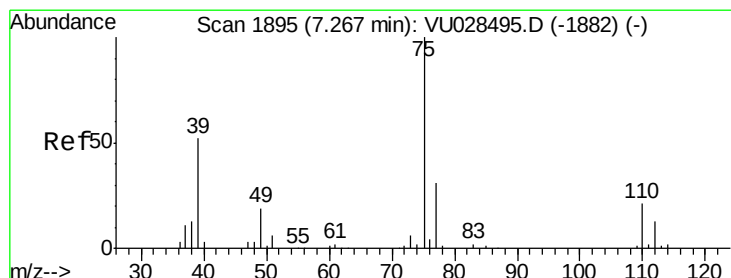
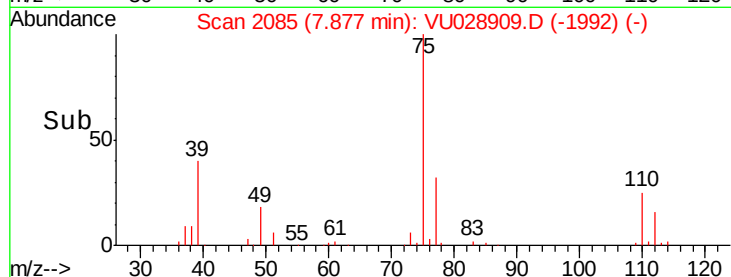
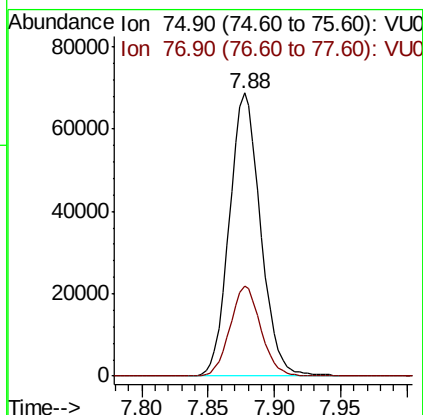
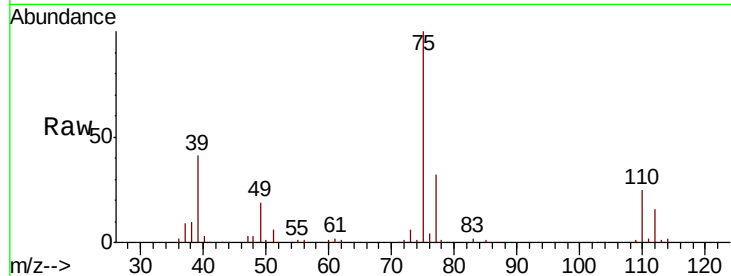




#53
 t-1,3-Dichloropropene
 Concen: 51.247 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

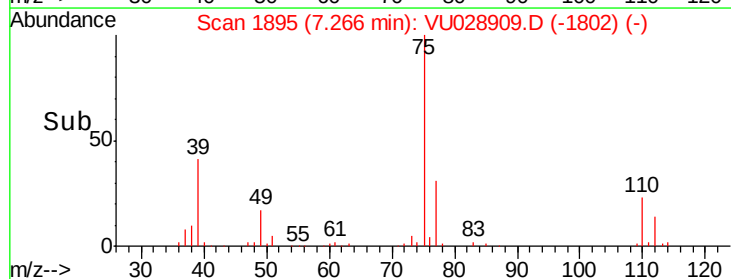
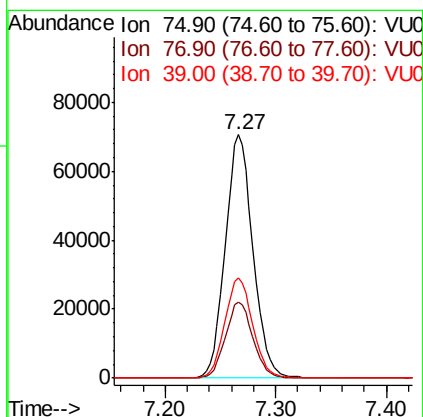
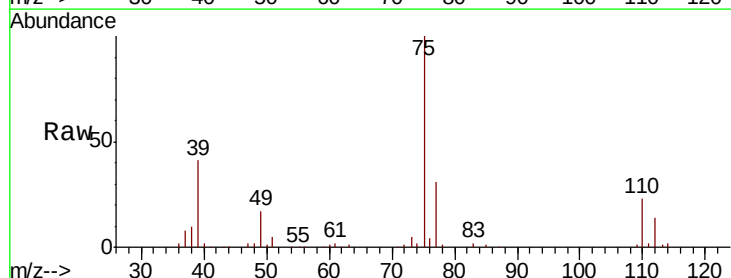
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

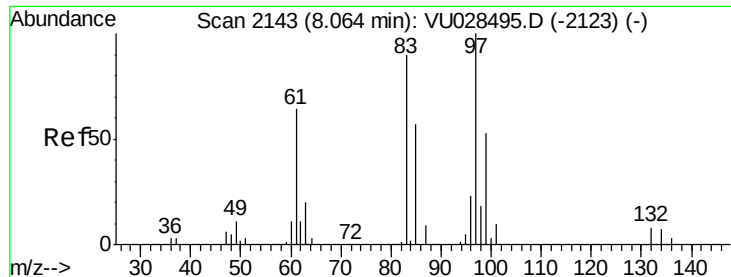
Tgt Ion: 75 Resp: 112526
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.470 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 75 Resp: 122615
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.4
 39 41.0 41.3 61.9#

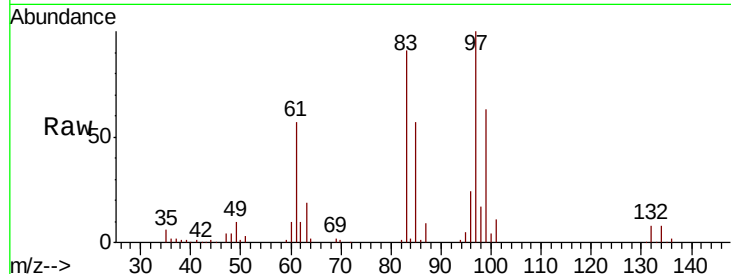




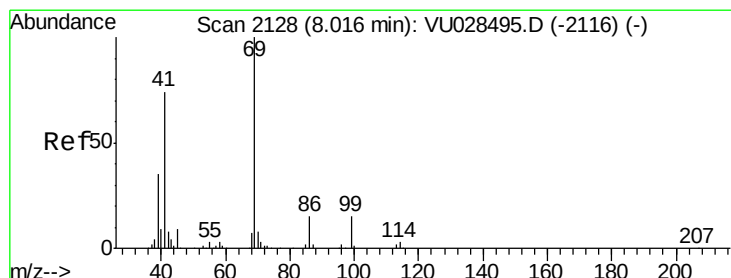
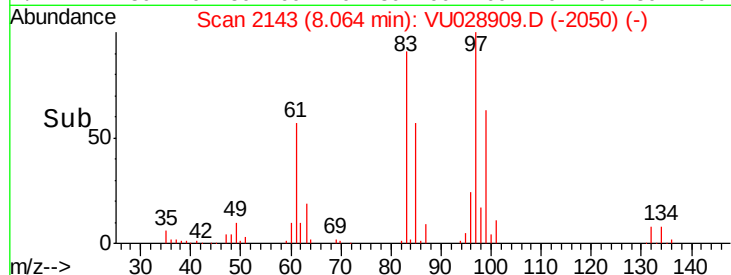
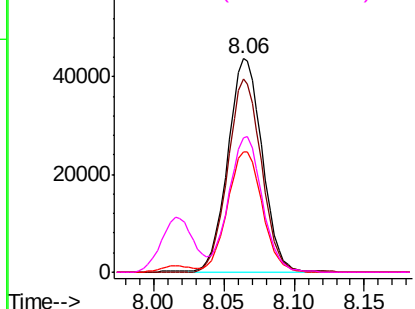
#55
 1,1,2-Trichloroethane
 Concen: 56.531 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 74678
 Ion Ratio Lower Upper
 97 100
 83 90.7 72.4 108.6
 85 56.6 46.0 69.0
 99 62.8 47.4 71.2

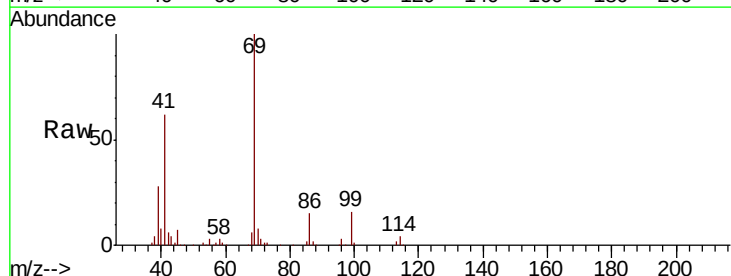


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

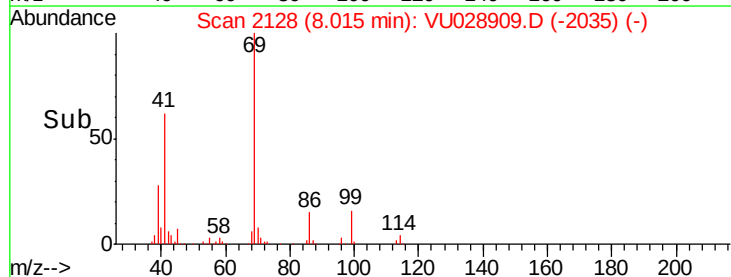
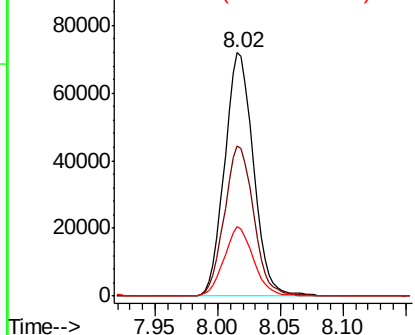


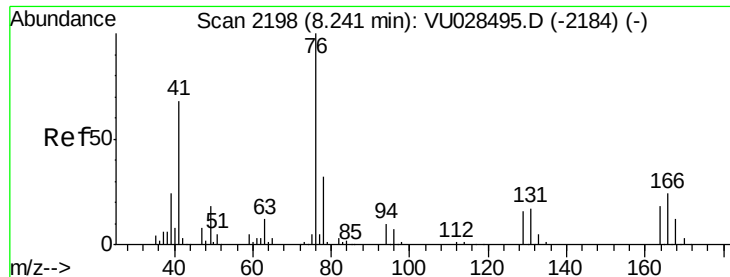
#56
 Ethyl methacrylate
 Concen: 50.875 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 69 Resp: 115087
 Ion Ratio Lower Upper
 69 100
 41 63.0 59.1 88.7
 39 29.1 28.4 42.6



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





#57

1,3-Dichloropropane

Concen: 51.866 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

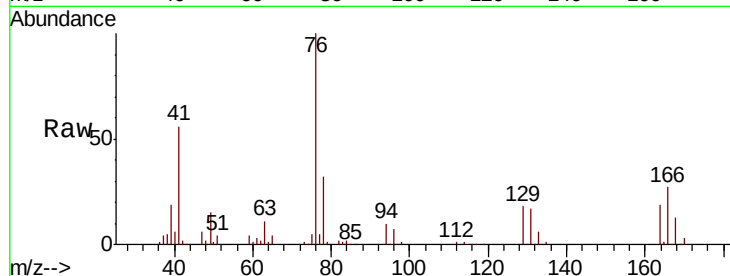
VSTDCCC050

Tgt Ion: 76 Resp: 127184

Ion Ratio Lower Upper

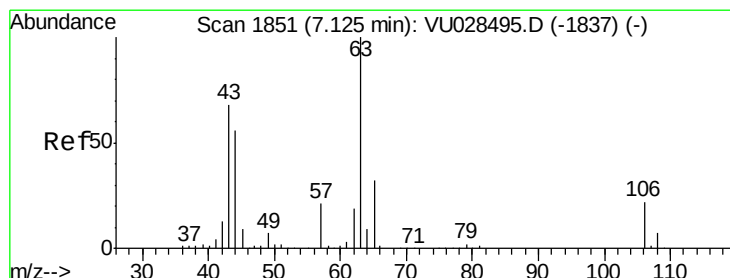
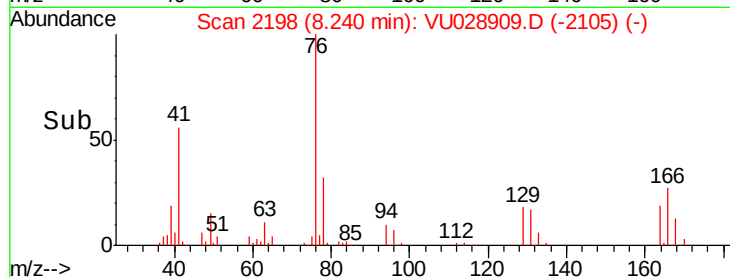
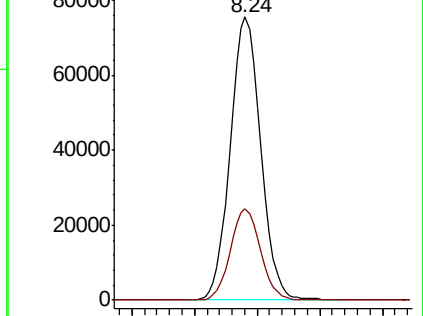
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 233.845 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028909.D

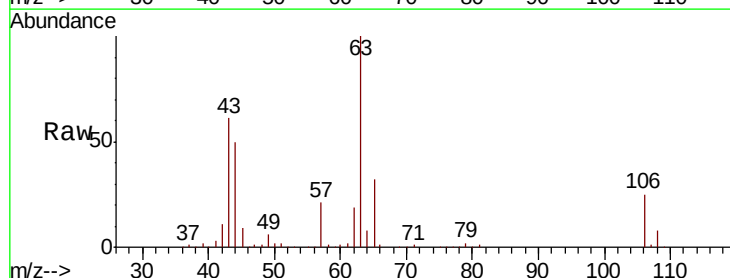
Acq: 22 Dec 2018 10:28

Tgt Ion: 63 Resp: 270953

Ion Ratio Lower Upper

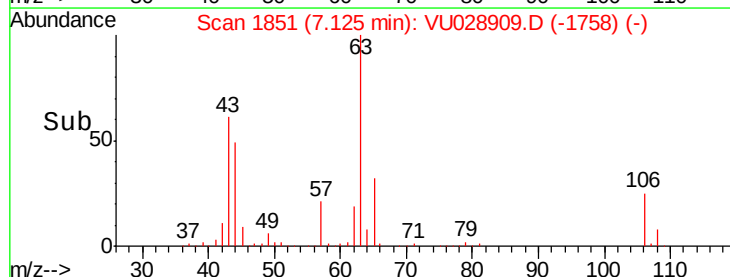
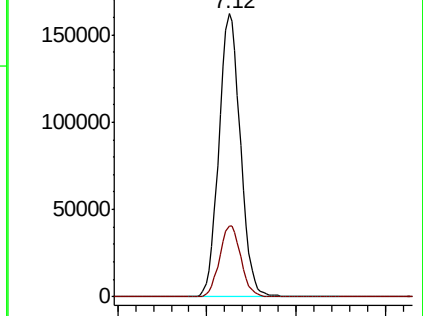
63 100

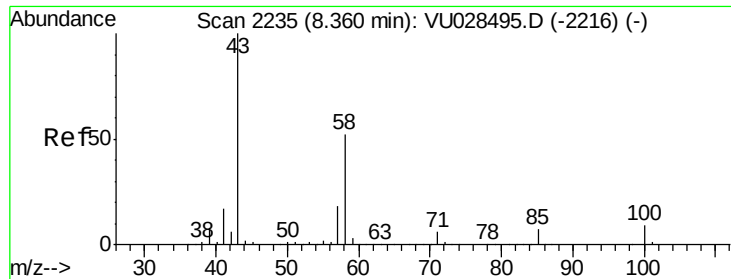
106 24.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

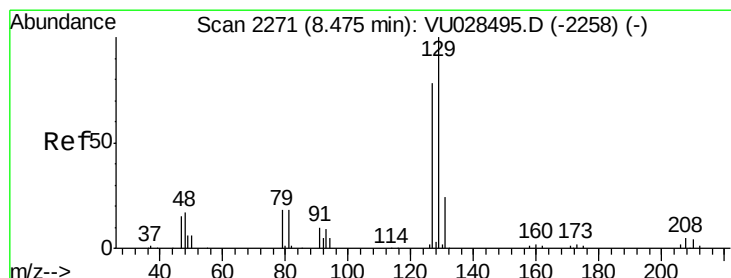
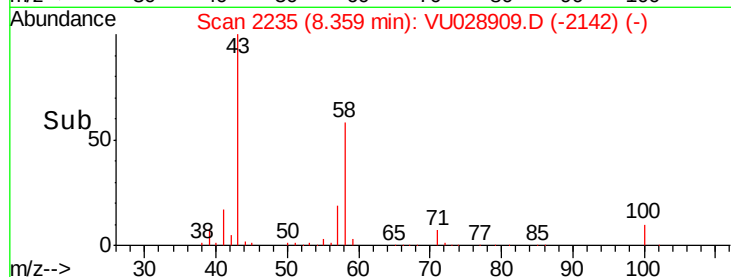
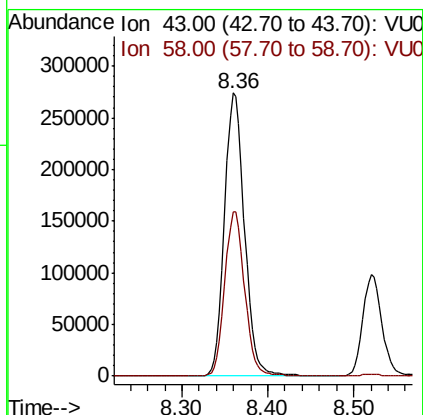
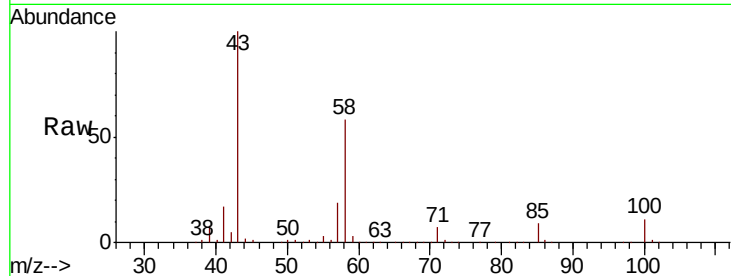




#59
2-Hexanone
Concen: 226.473 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

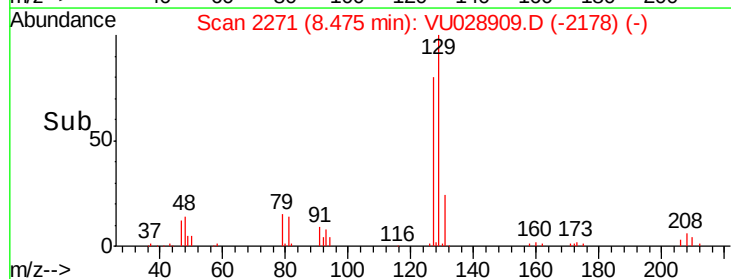
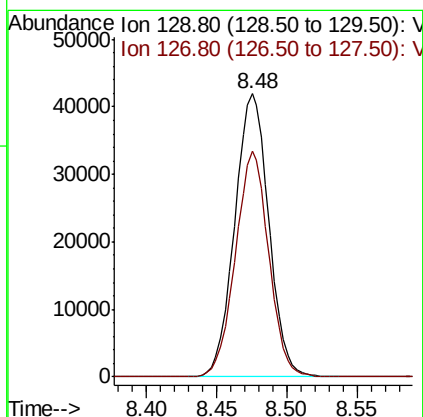
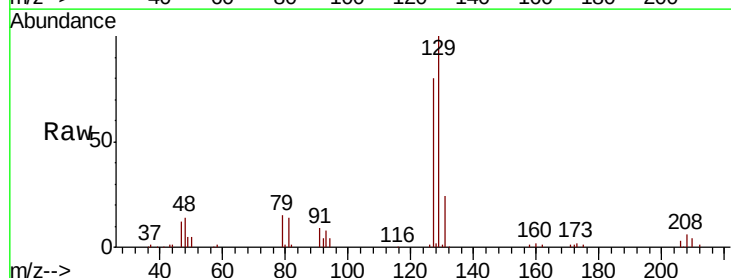
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

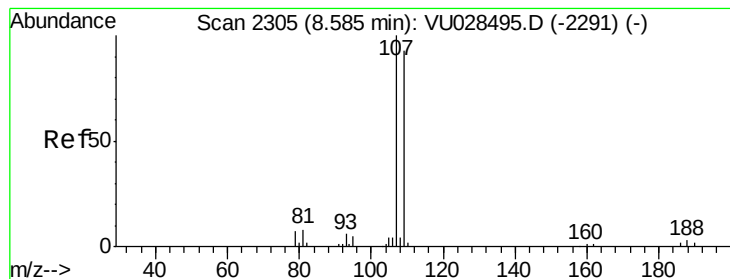
Tgt Ion: 43 Resp: 446309
Ion Ratio Lower Upper
43 100
58 57.9 25.9 77.6



#60
Dibromochloromethane
Concen: 54.922 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 129 Resp: 71033
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 55.738 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

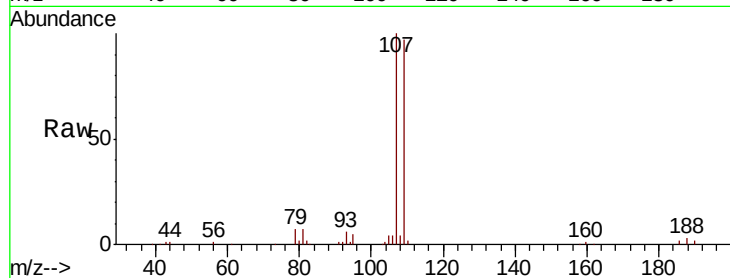
VSTDCCC050

Tgt Ion: 107 Resp: 77213

Ion Ratio Lower Upper

107 100

109 96.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

30000

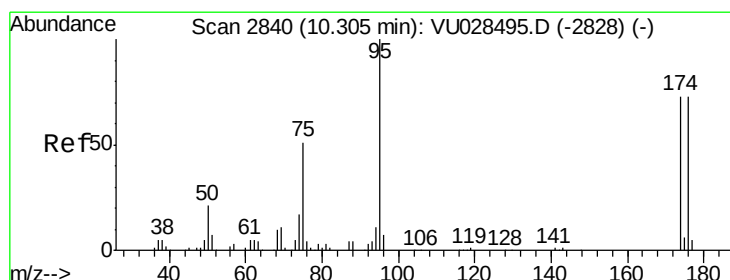
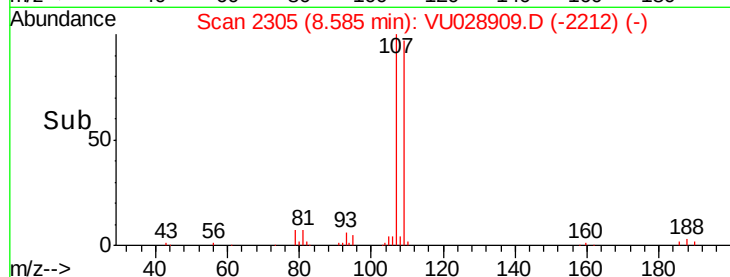
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 51.639 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

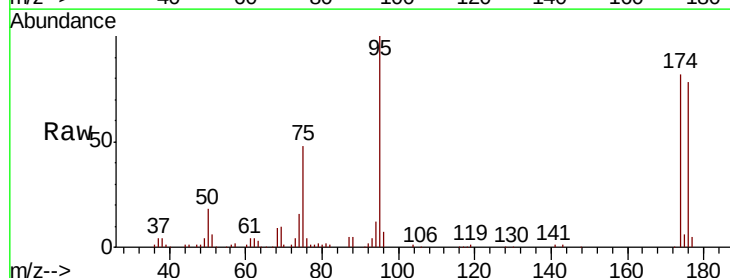
Tgt Ion: 95 Resp: 84655

Ion Ratio Lower Upper

95 100

174 84.1 0.0 150.4

176 81.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

60000

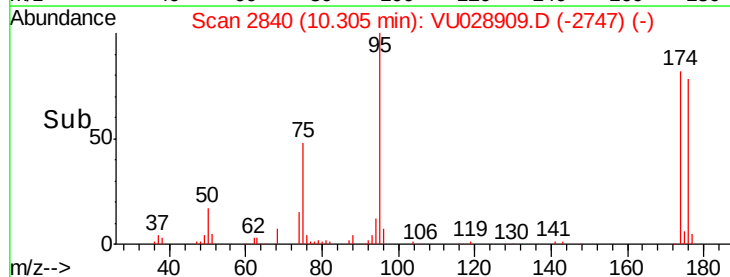
40000

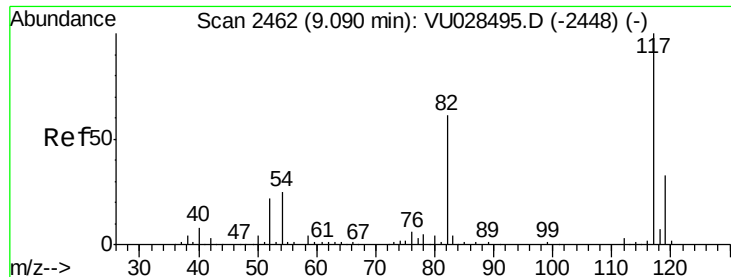
20000

0

Time-->

10.30 10.40

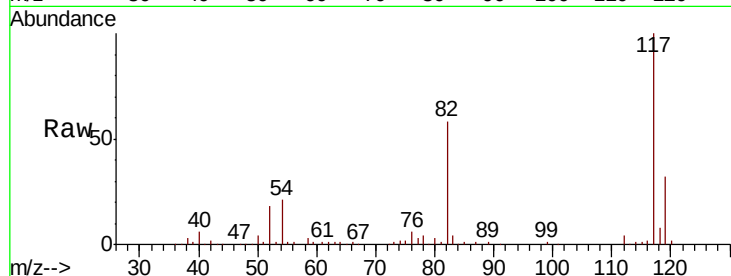




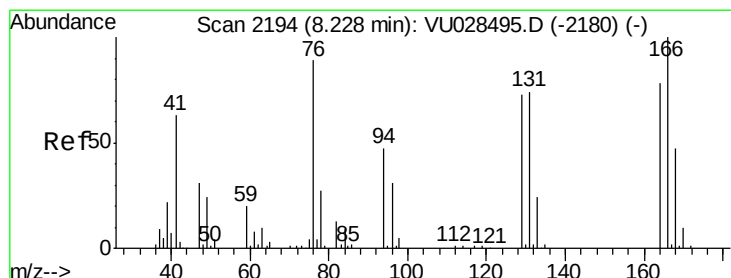
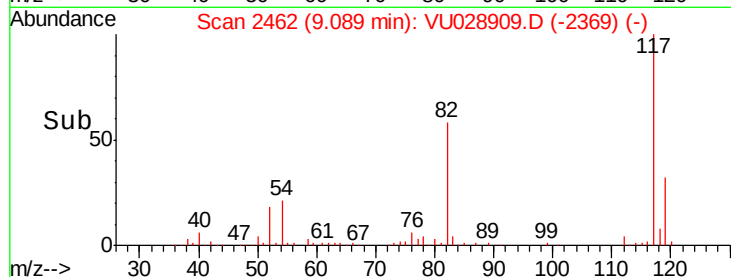
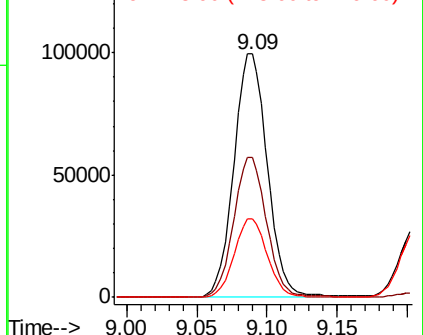
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 165594
Ion Ratio Lower Upper
117 100
82 57.5 48.9 73.3
119 32.4 26.2 39.4

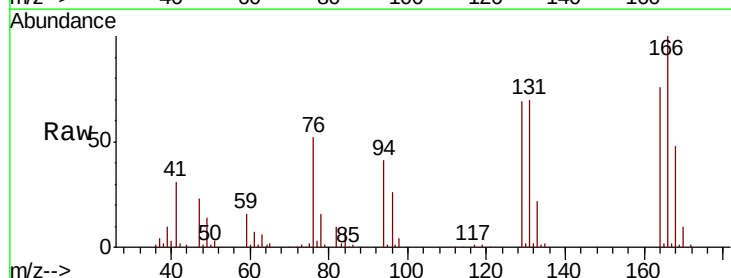


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

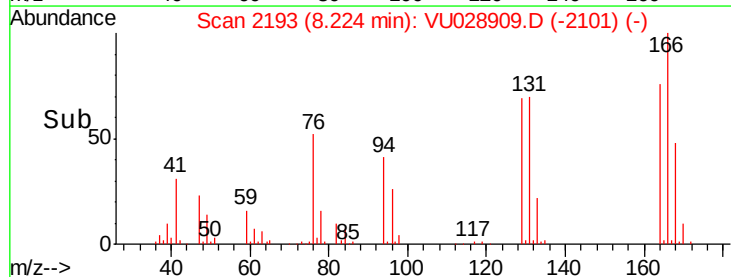
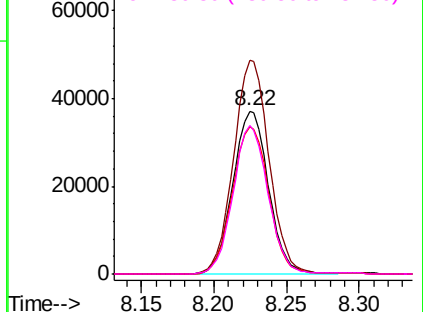


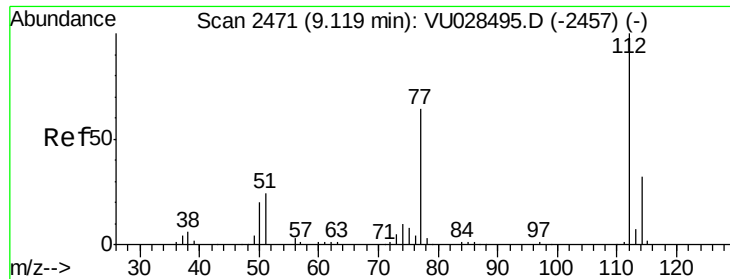
#64
Tetrachloroethene
Concen: 57.458 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion:164 Resp: 63465
Ion Ratio Lower Upper
164 100
166 131.1 101.9 152.9
129 90.6 74.9 112.3
131 91.1 75.4 113.0



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

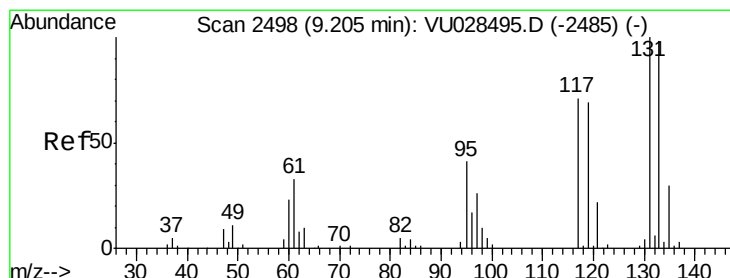
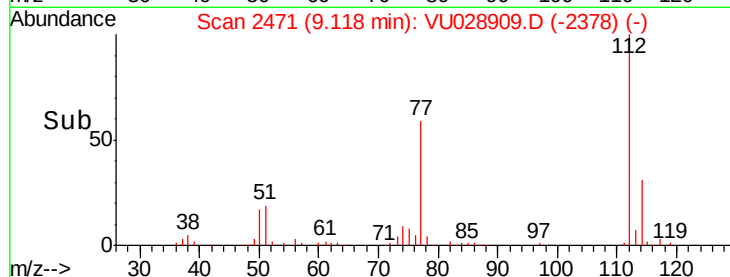
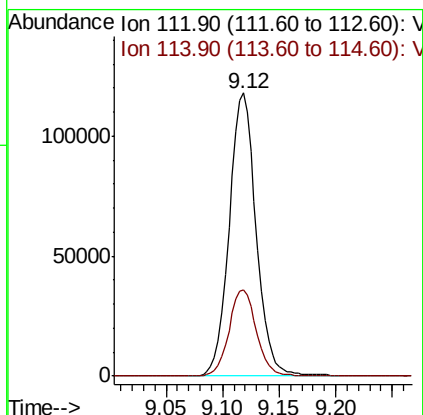
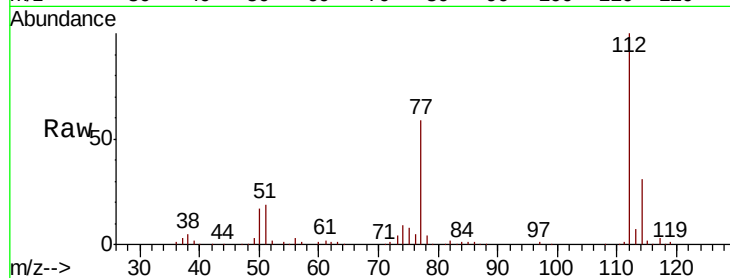




#65
Chlorobenzene
Concen: 55.529 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

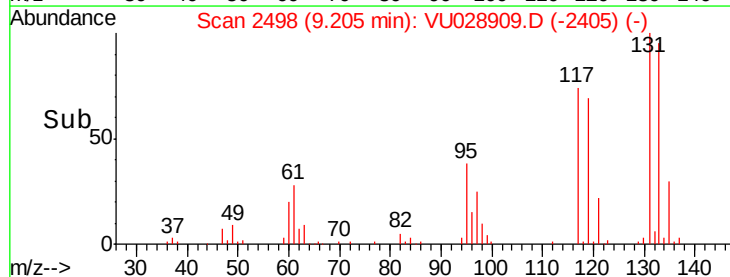
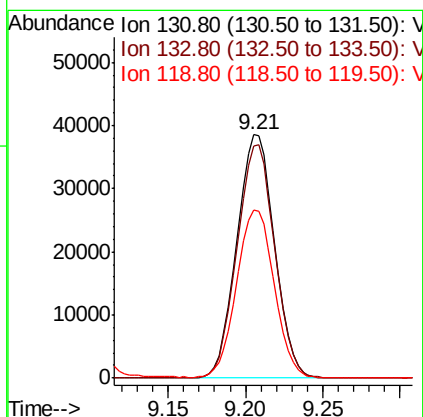
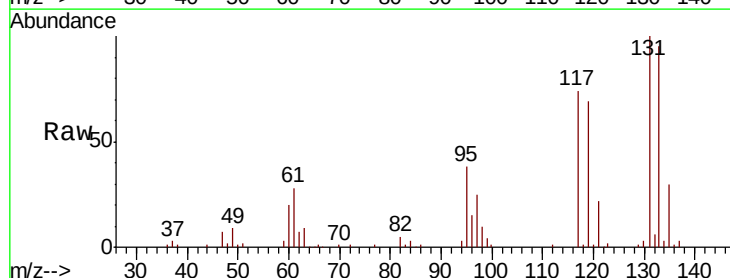
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

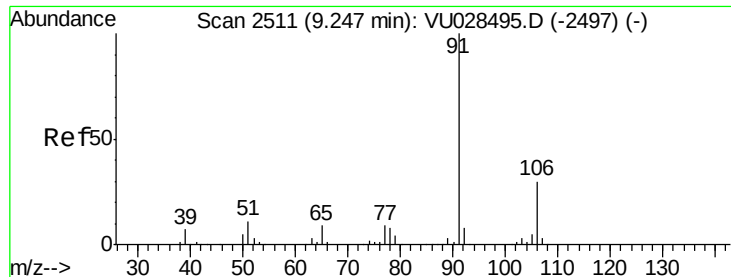
Tgt Ion:112 Resp: 195942
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 58.033 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion:131 Resp: 65392
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 69.1 34.6 103.9





#67

Ethyl Benzene

Concen: 52.455 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

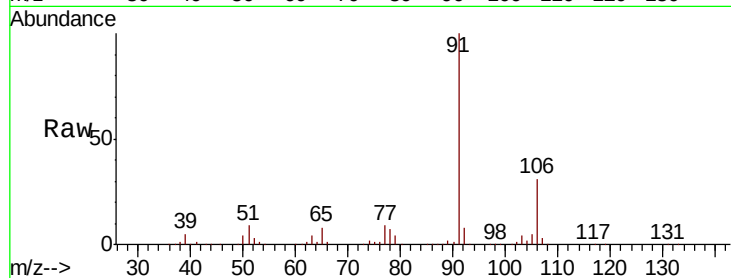
VSTDCCC050

Tgt Ion: 91 Resp: 340265

Ion Ratio Lower Upper

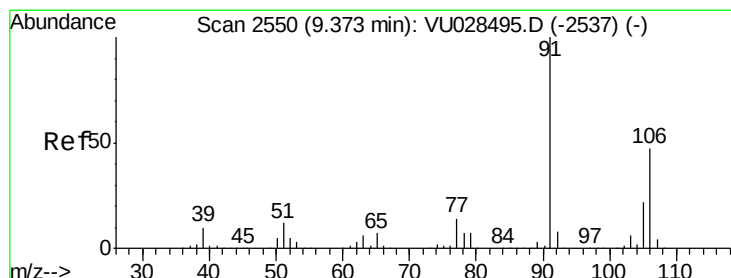
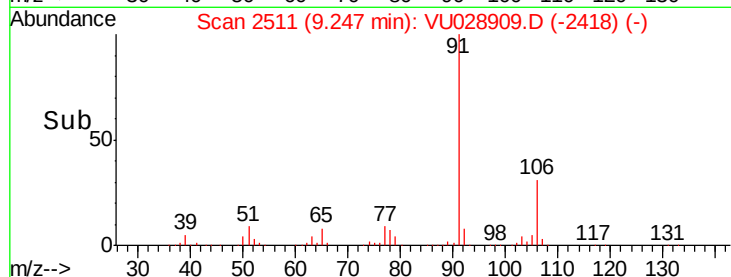
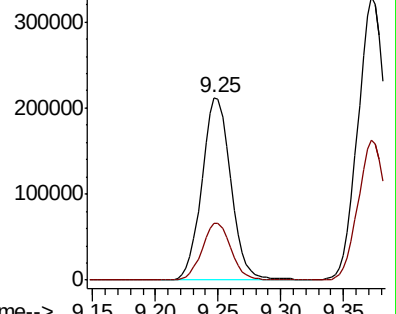
91 100

106 31.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 112.715 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028909.D

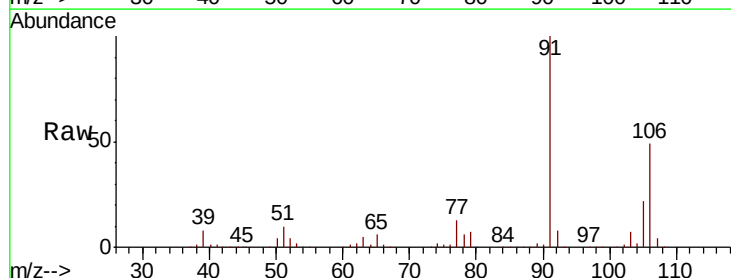
Acq: 22 Dec 2018 10:28

Tgt Ion: 106 Resp: 266049

Ion Ratio Lower Upper

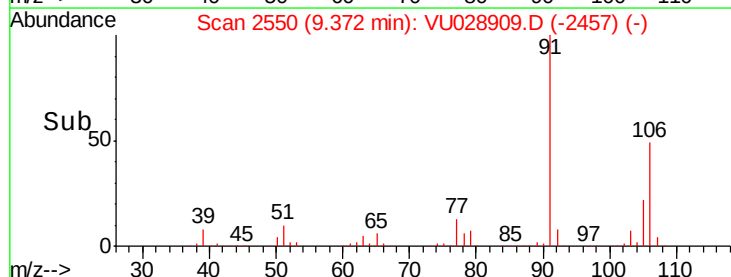
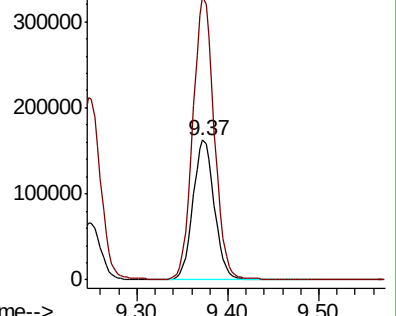
106 100

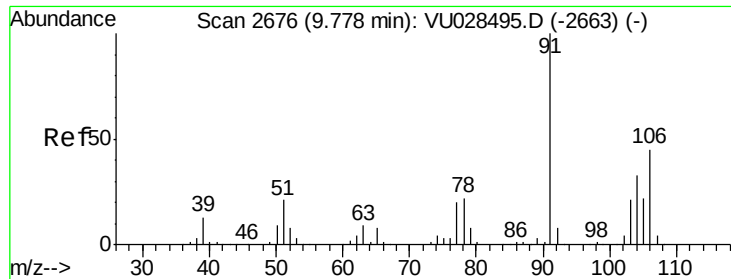
91 202.1 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

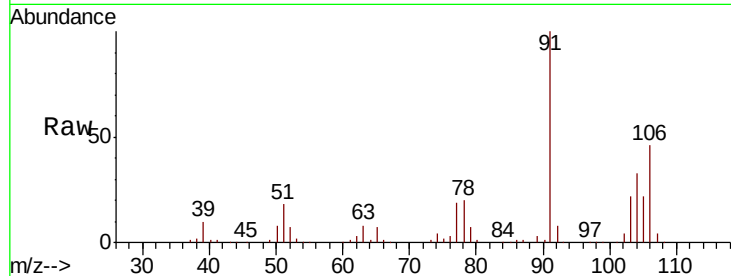




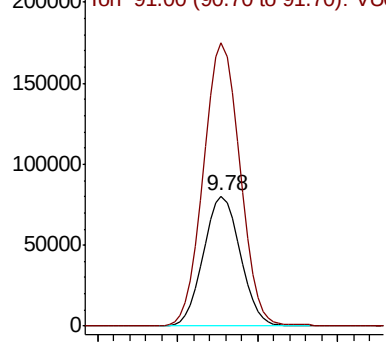
#69
o-Xylene
Concen: 55.067 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

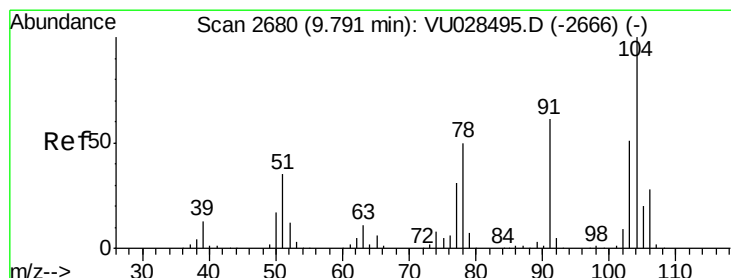
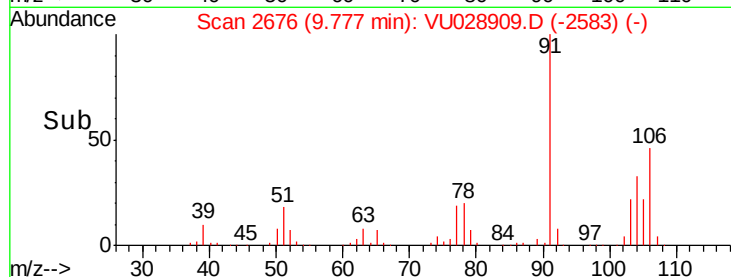
Tgt Ion:106 Resp: 126312
Ion Ratio Lower Upper
106 100
91 216.1 111.3 334.0



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

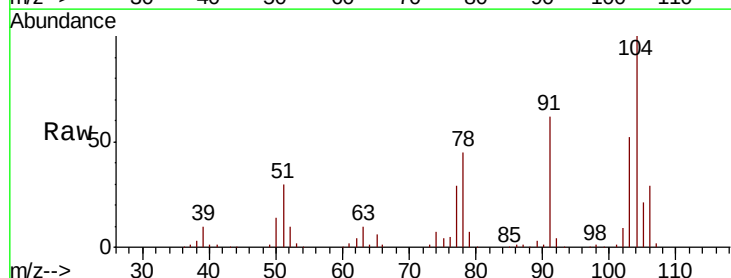


Time--> 9.70 9.75 9.80 9.85

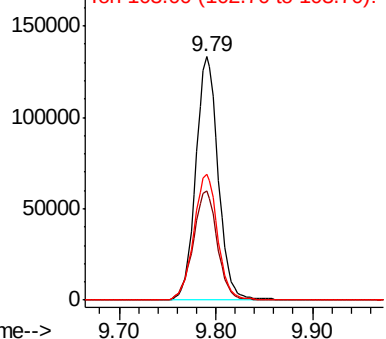


#70
Styrene
Concen: 56.339 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

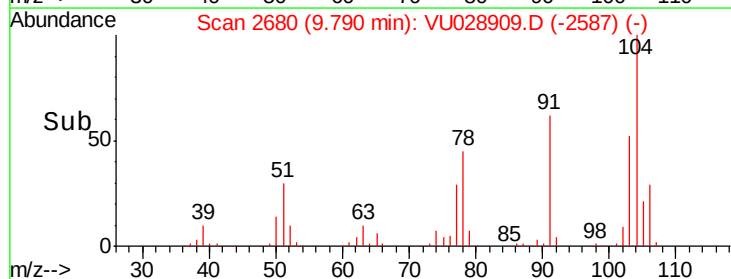
Tgt Ion:104 Resp: 213866
Ion Ratio Lower Upper
104 100
78 48.4 43.0 64.6
103 55.1 44.2 66.4

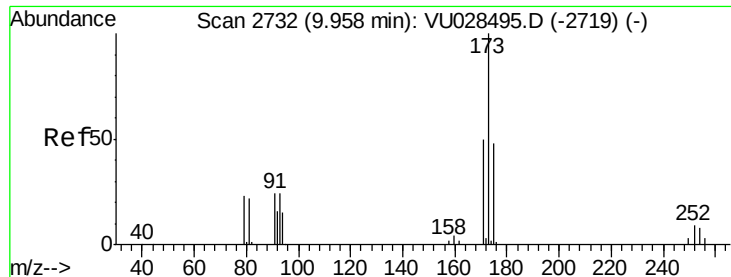


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time--> 9.70 9.80 9.90





#71

Bromoform

Concen: 58.858 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

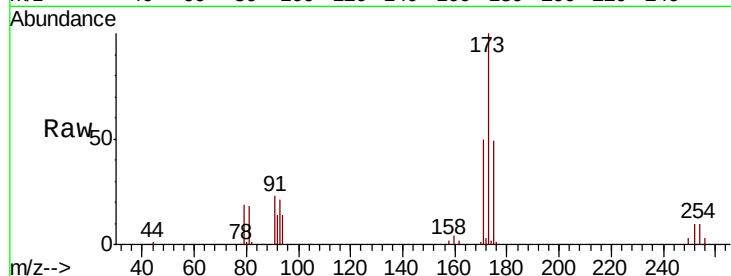
Tgt Ion:173 Resp: 56419

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

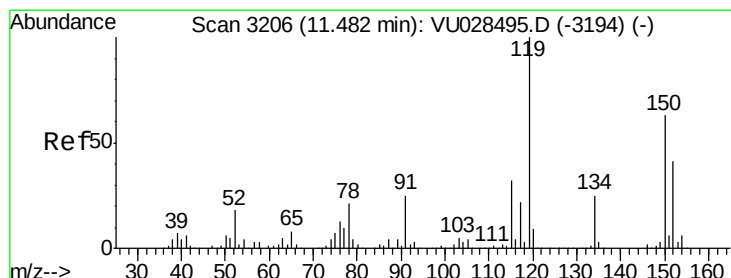
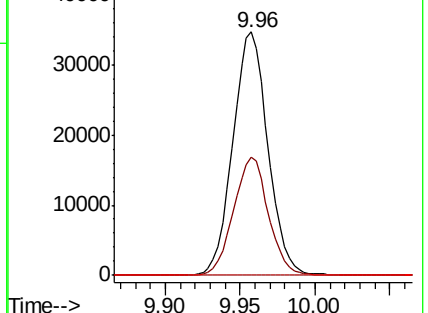
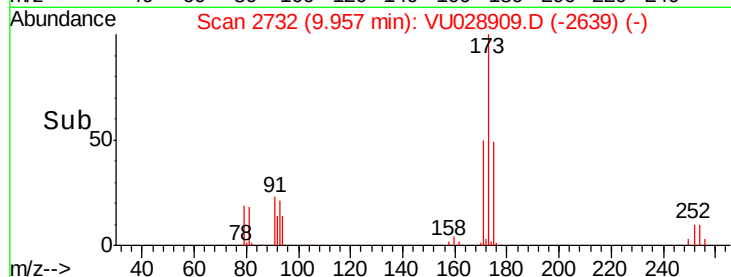
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

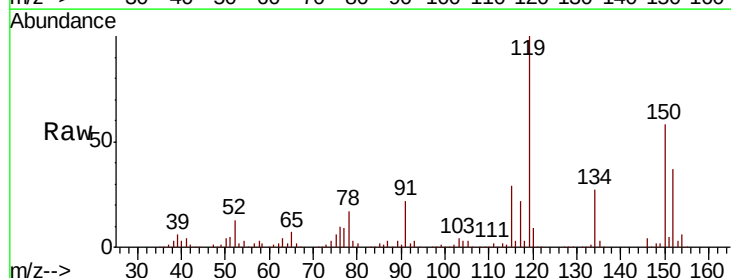
Tgt Ion:152 Resp: 85397

Ion Ratio Lower Upper

152 100

115 82.9 42.7 128.1

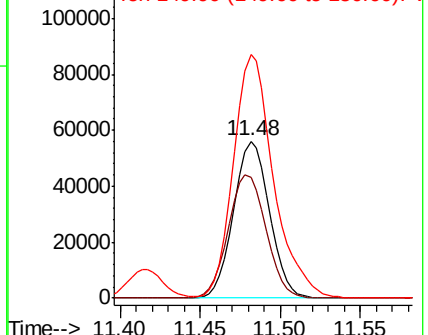
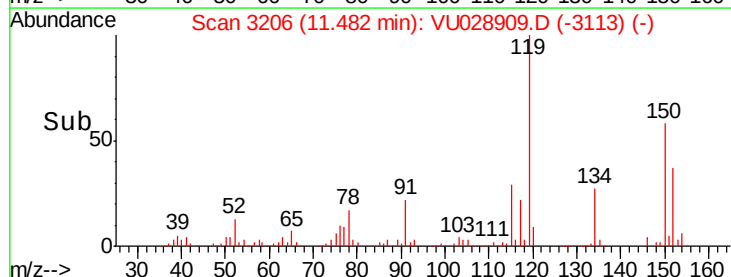
150 174.6 0.0 346.0

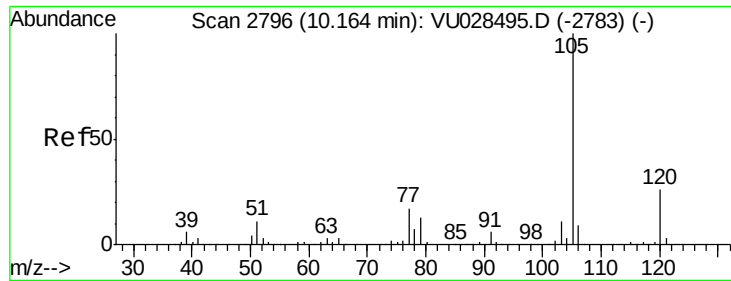


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.231 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

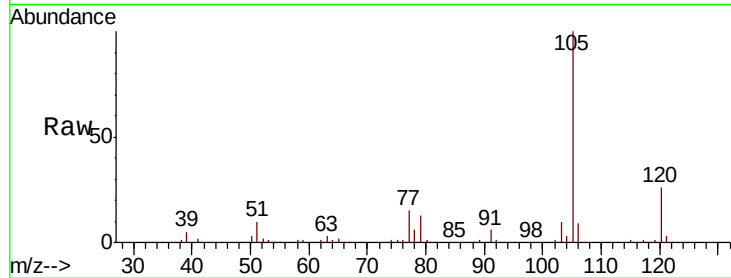
VSTDCCC050

Tgt Ion: 105 Resp: 335710

Ion Ratio Lower Upper

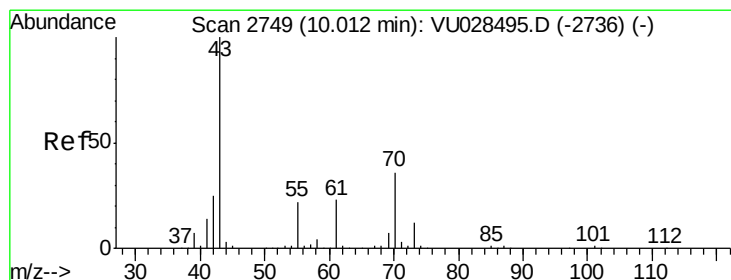
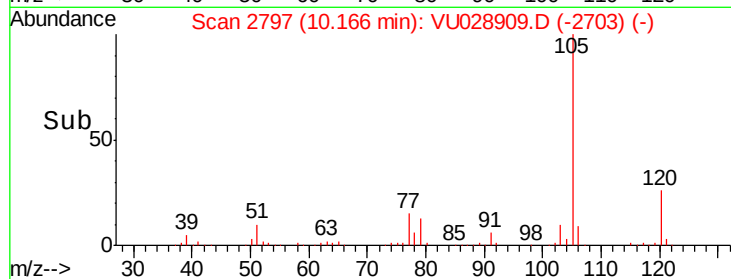
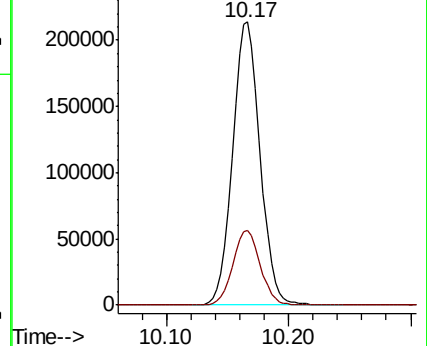
105 100

120 26.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.339 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion: 43 Resp: 152474

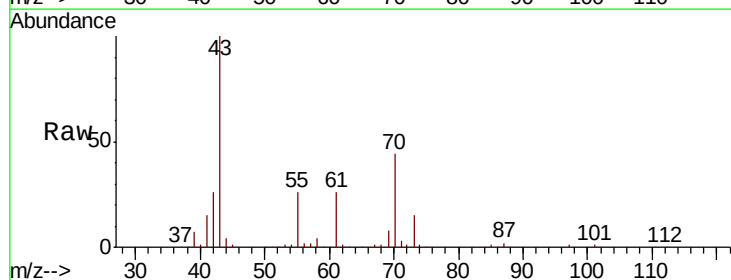
Ion Ratio Lower Upper

43 100

70 43.3 29.3 43.9

55 25.6 18.0 27.0

61 25.9 18.3 27.5

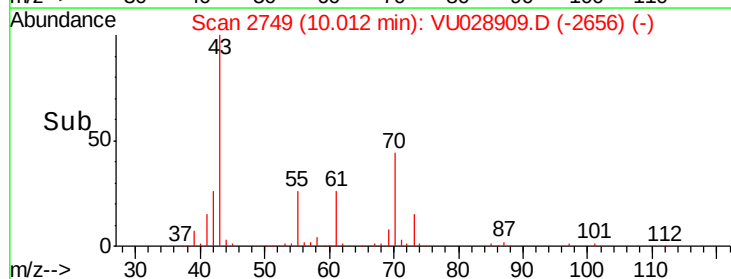
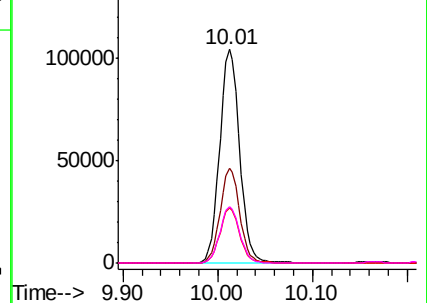


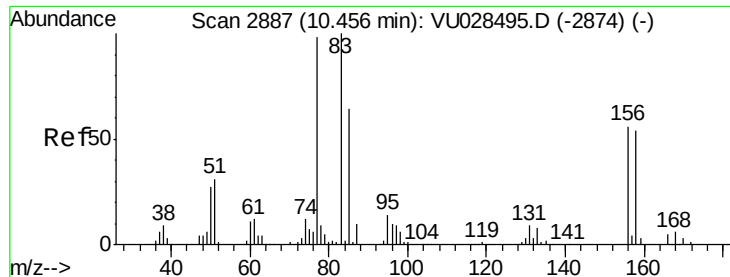
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.291 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

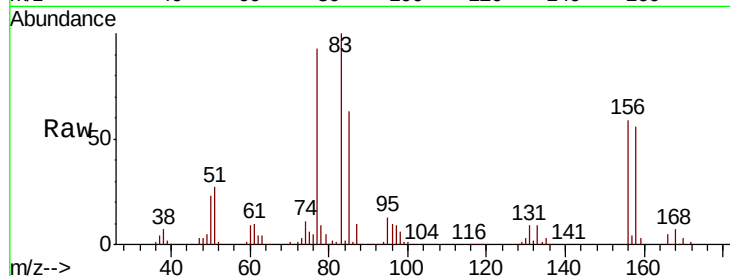
Tgt Ion: 83 Resp: 131628

Ion Ratio Lower Upper

83 100

131 8.7 4.2 12.4

85 63.3 31.8 95.4

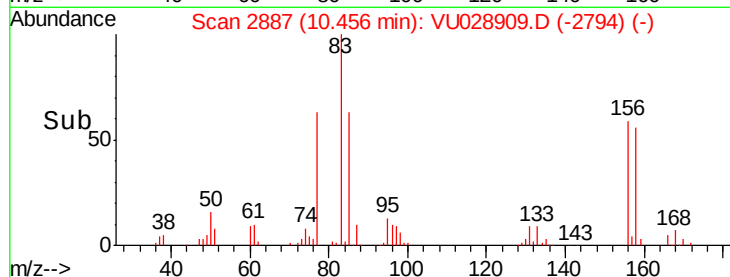


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->

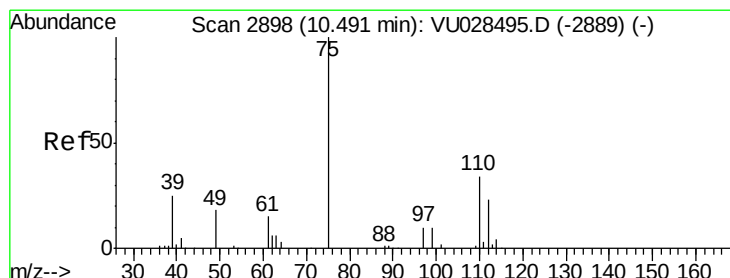


Abundance Ion 82.90 (82.60 to 83.60): VU028909.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028909.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028909.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.426 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028909.D

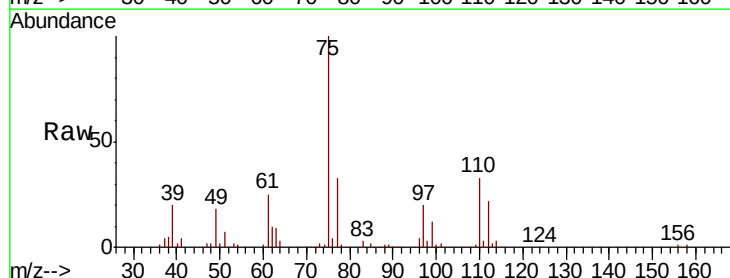
Acq: 22 Dec 2018 10:28

Tgt Ion: 75 Resp: 151393

Ion Ratio Lower Upper

75 100

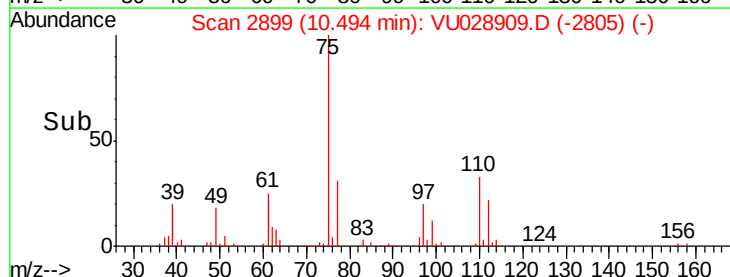
77 30.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

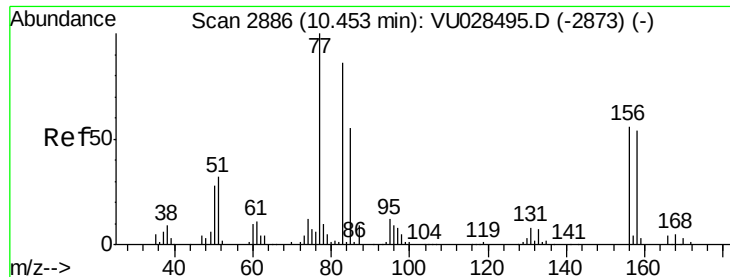
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028909.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028909.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 55.055 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

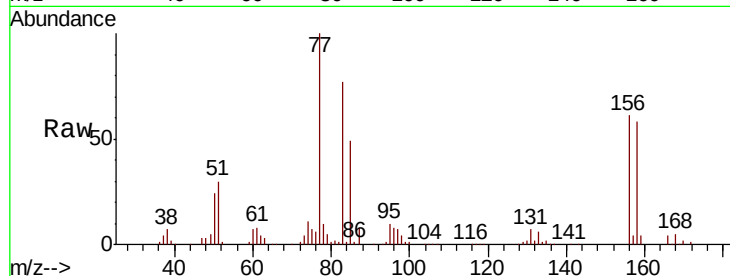
Tgt Ion:156 Resp: 84374

Ion Ratio Lower Upper

156 100

77 165.4 92.4 277.2

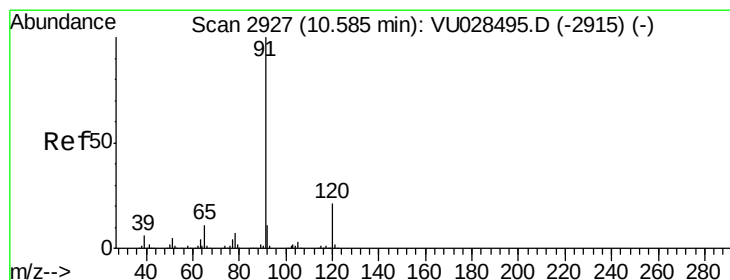
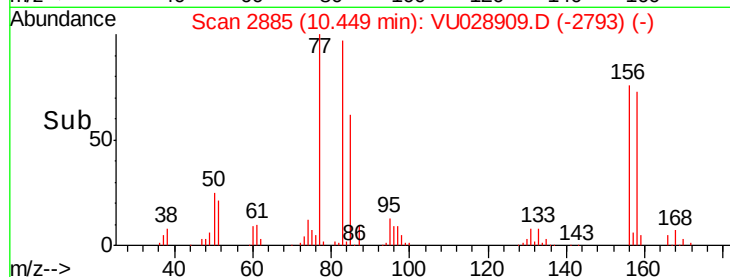
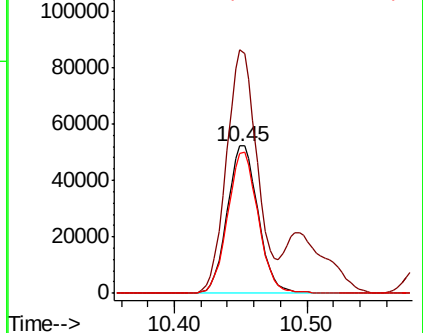
158 94.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.228 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028909.D

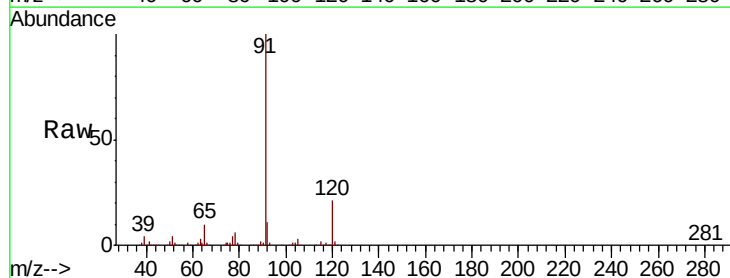
Acq: 22 Dec 2018 10:28

Tgt Ion: 91 Resp: 408982

Ion Ratio Lower Upper

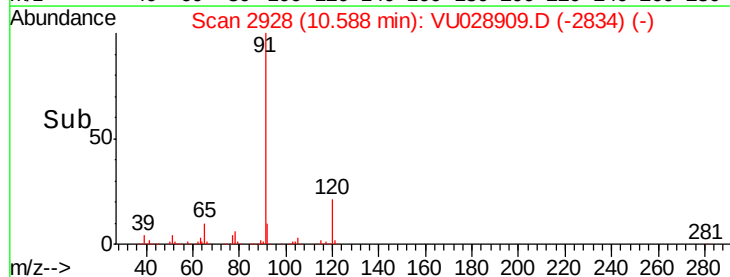
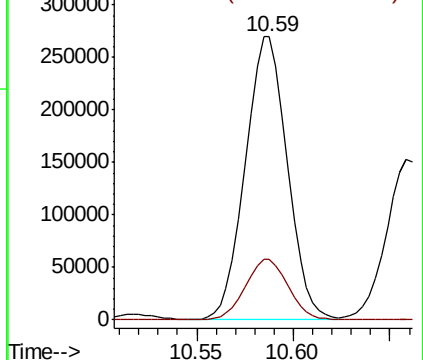
91 100

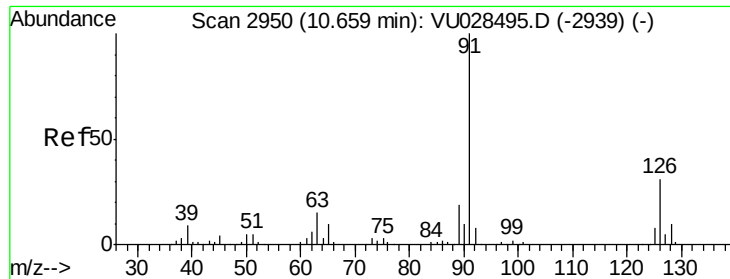
120 21.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.105 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

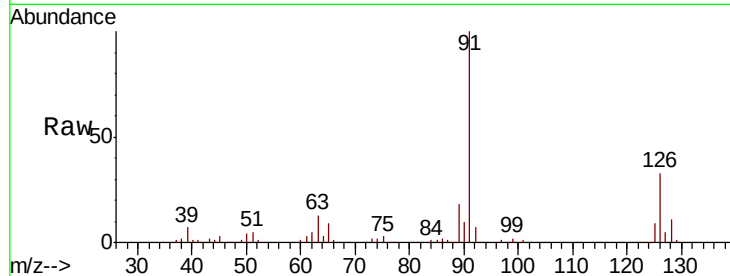
VSTDCCC050

Tgt Ion: 91 Resp: 239696

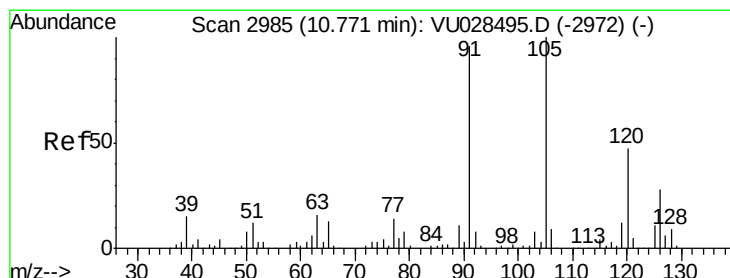
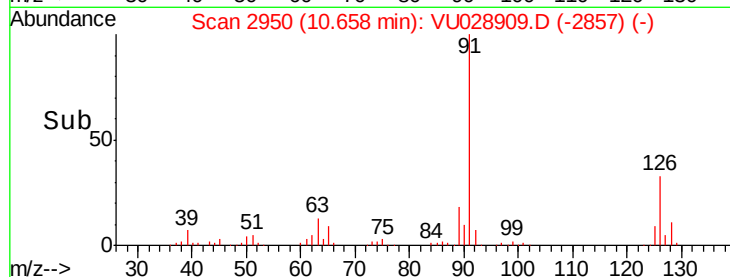
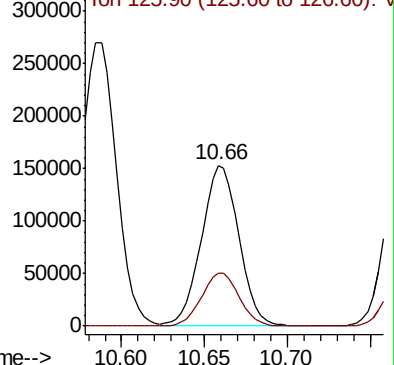
Ion Ratio Lower Upper

91 100

126 33.4 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028909.D (-2857) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.052 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028909.D

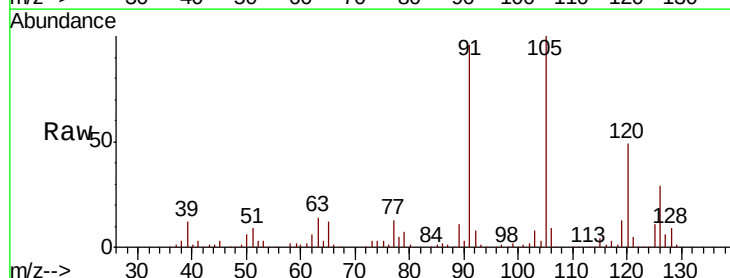
Acq: 22 Dec 2018 10:28

Tgt Ion: 105 Resp: 282343

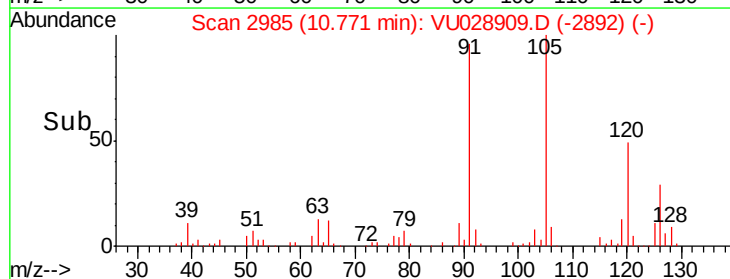
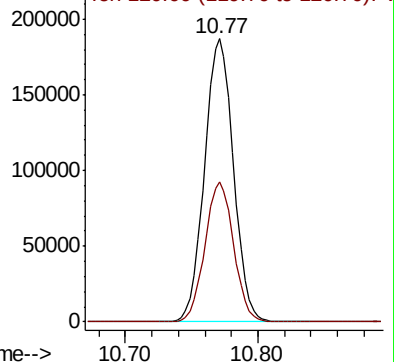
Ion Ratio Lower Upper

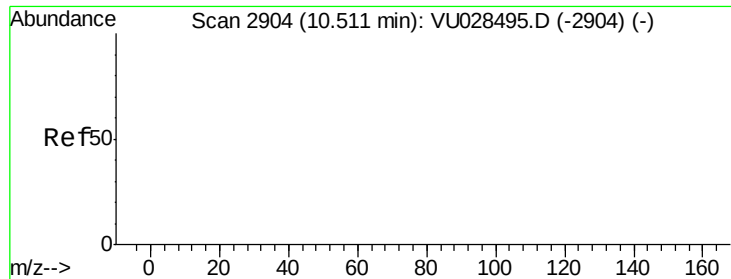
105 100

120 49.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028909.D (-2892) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 169.432 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

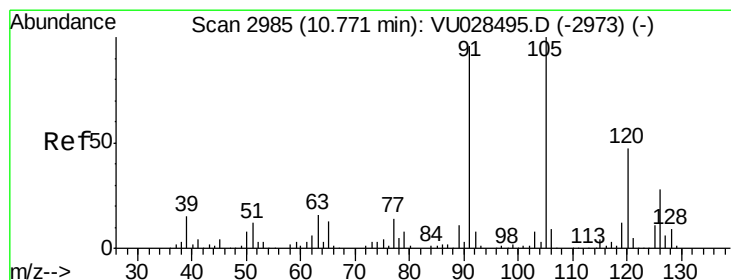
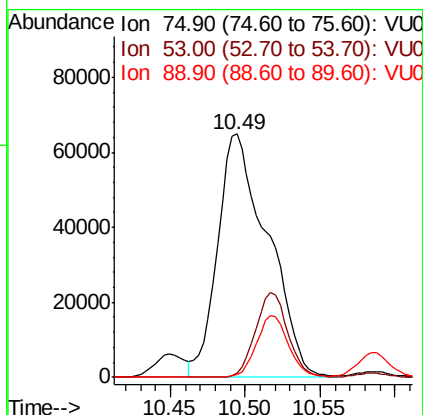
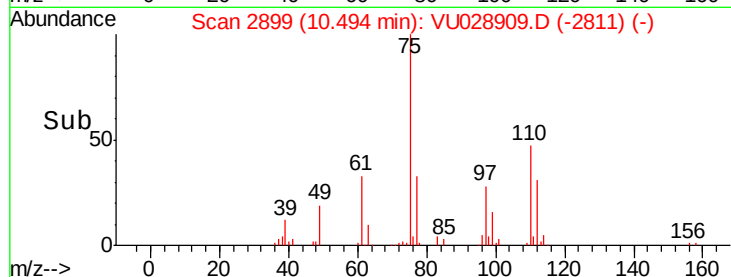
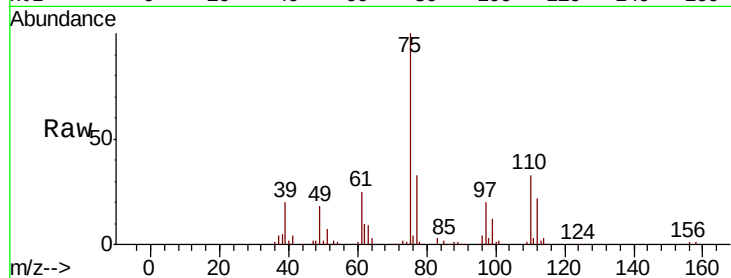
Tgt Ion: 75 Resp: 151393

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 49.117 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028909.D

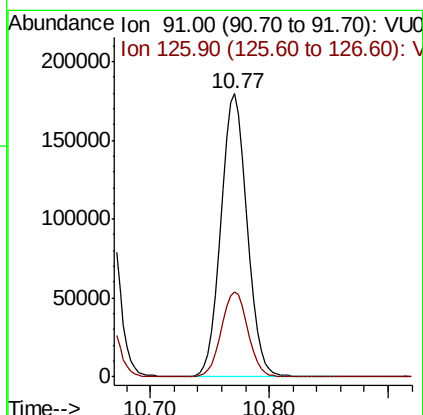
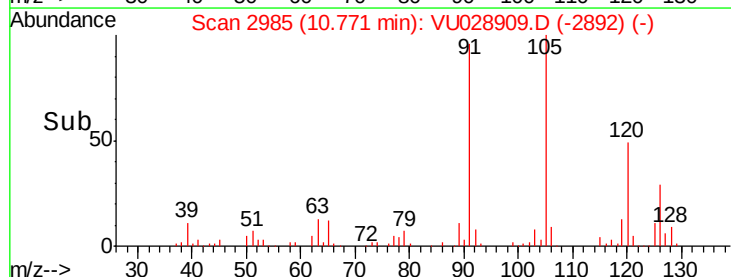
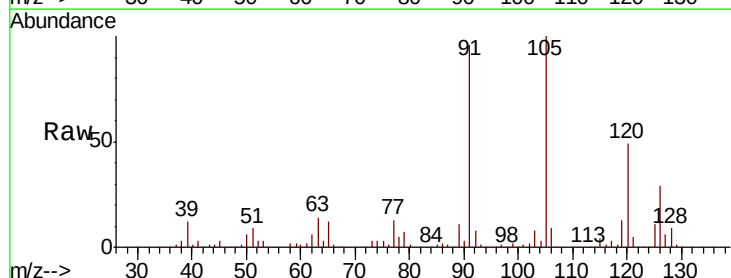
Acq: 22 Dec 2018 10:28

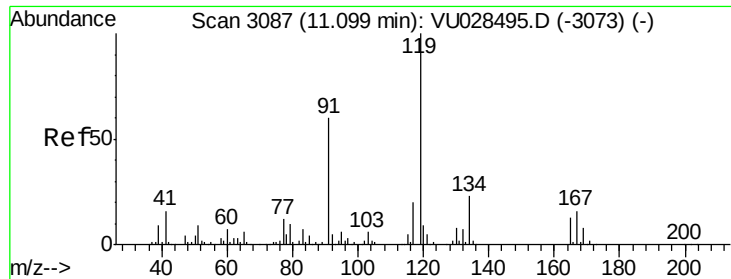
Tgt Ion: 91 Resp: 272992

Ion Ratio Lower Upper

91 100

126 30.6 14.1 42.3

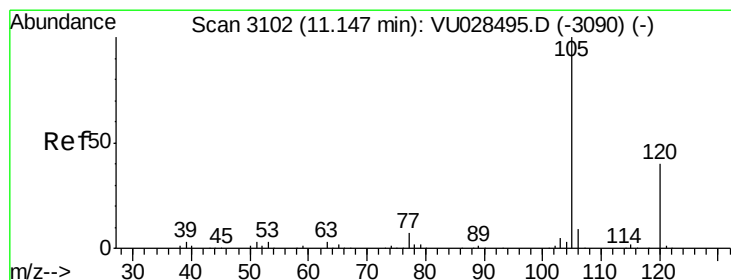
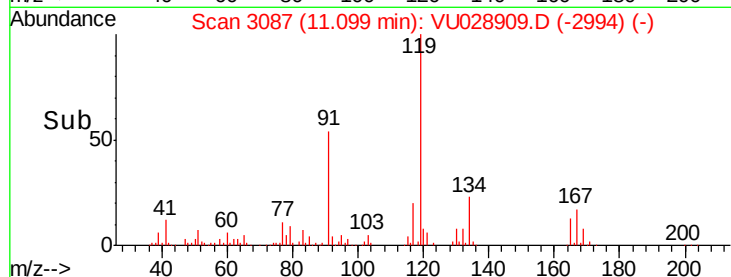
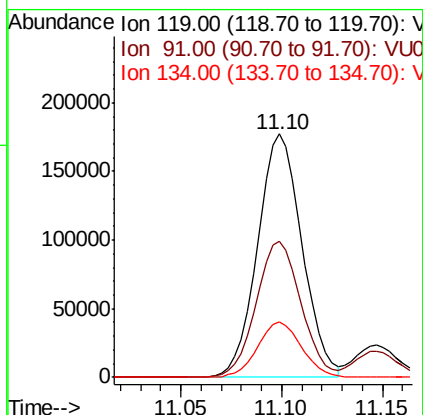
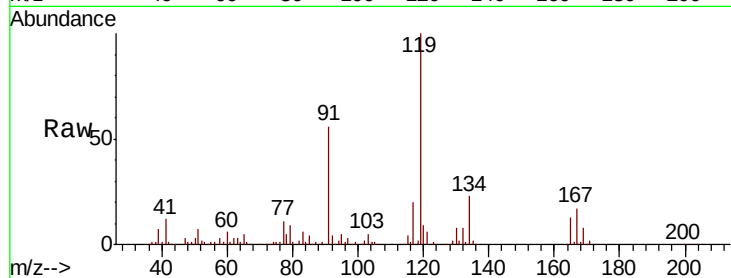




#83
 tert-Butylbenzene
 Concen: 52.084 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

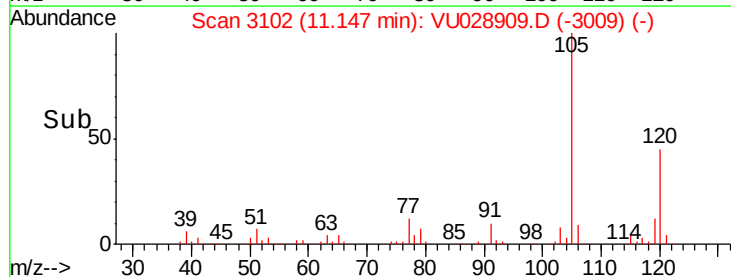
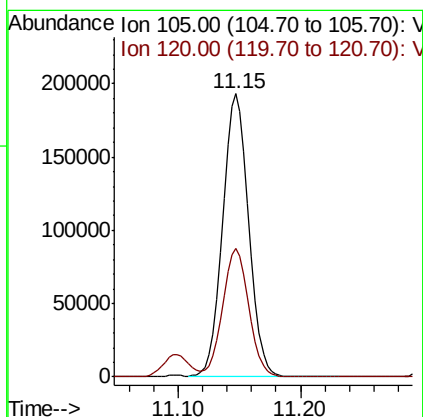
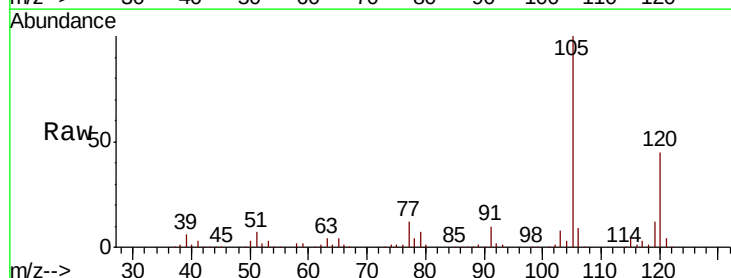
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

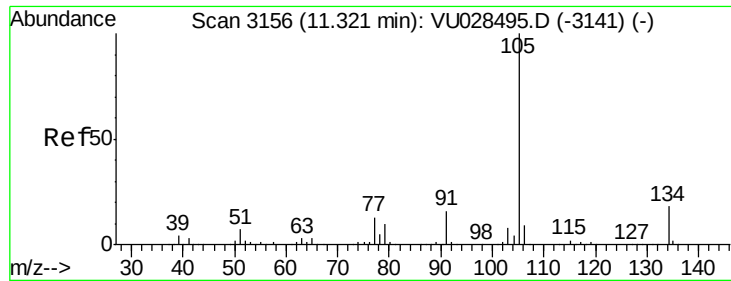
Tgt Ion:119 Resp: 272306
 Ion Ratio Lower Upper
 119 100
 91 56.5 30.3 91.0
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.964 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion:105 Resp: 290483
 Ion Ratio Lower Upper
 105 100
 120 45.6 21.8 65.4

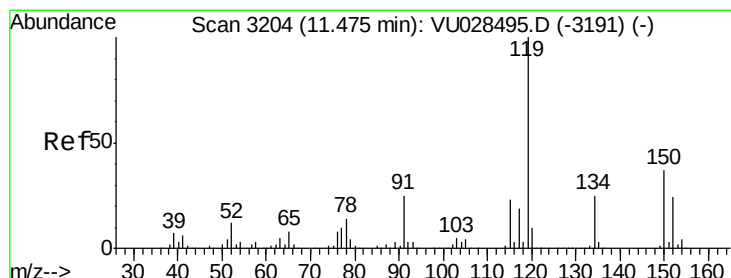
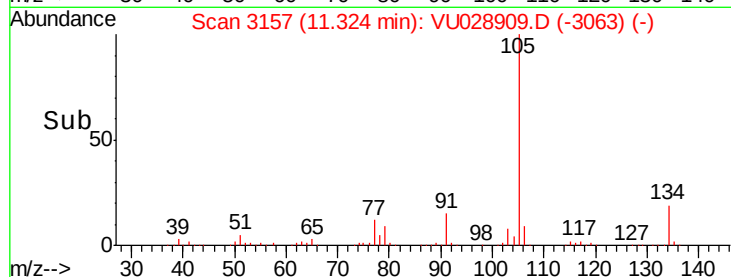
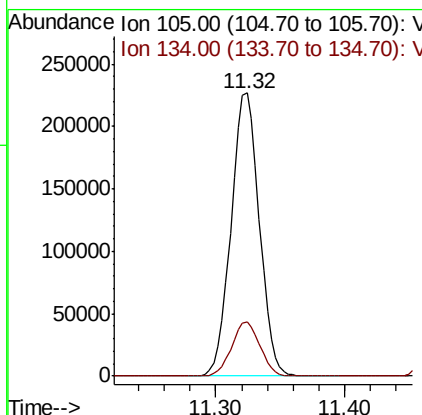
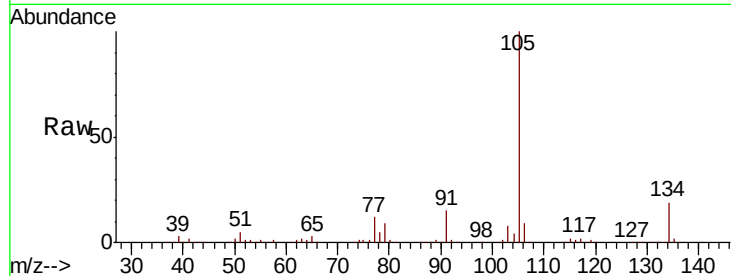




#85
 sec-Butylbenzene
 Concen: 51.188 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

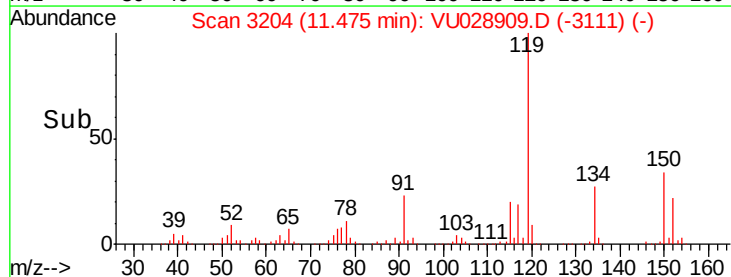
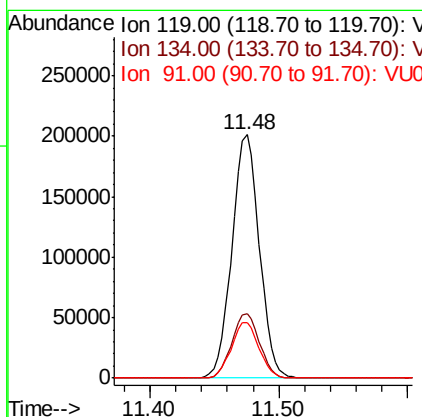
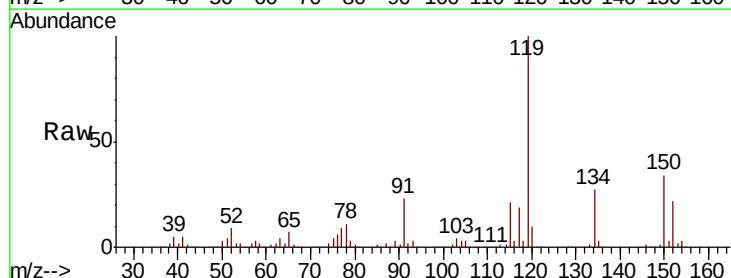
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

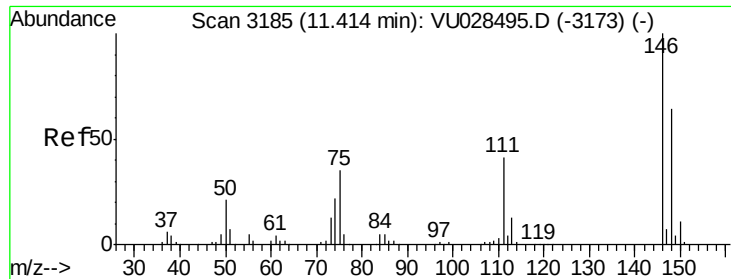
Tgt Ion:105 Resp: 343805
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 51.944 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion:119 Resp: 296365
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.7 38.1
 91 23.1 12.6 37.6

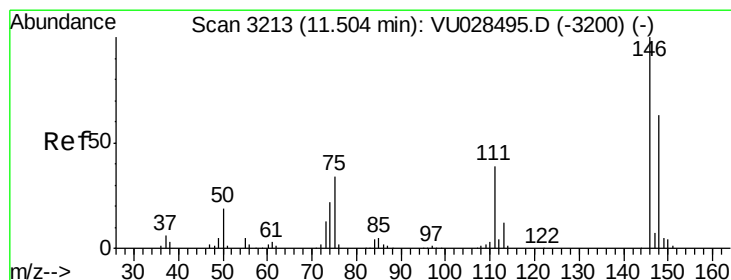
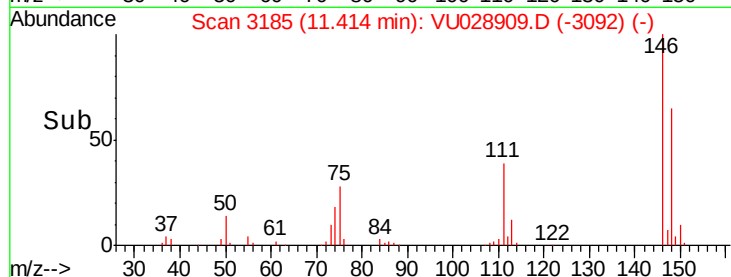
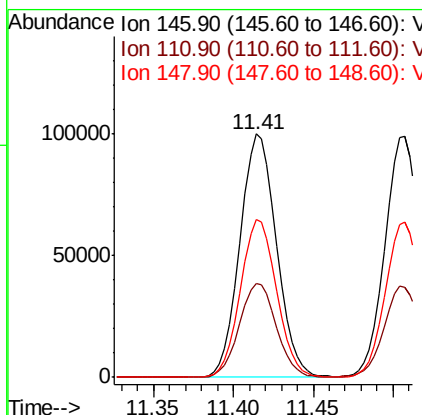
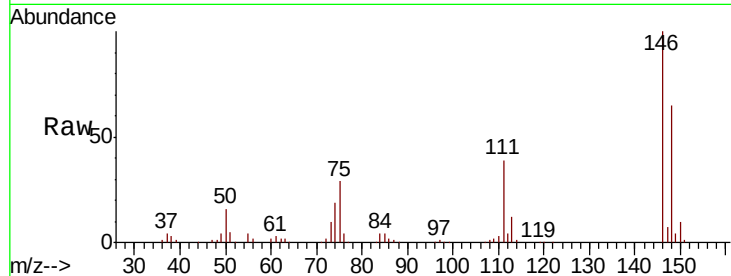




#87
 1,3-Dichlorobenzene
 Concen: 53.761 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

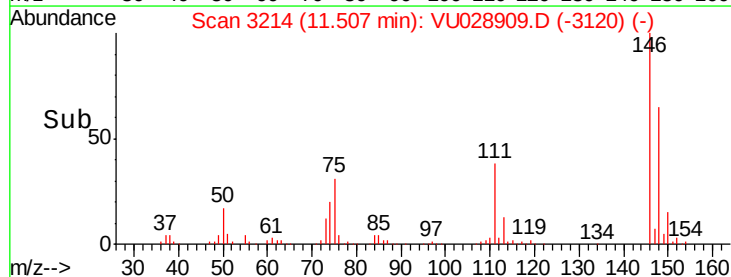
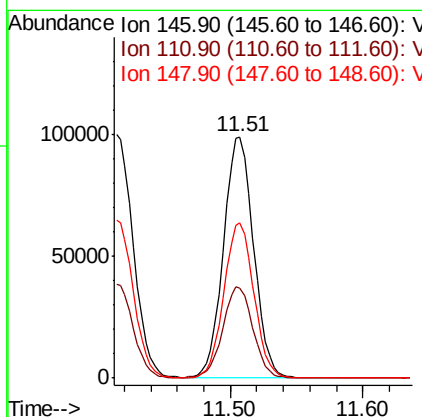
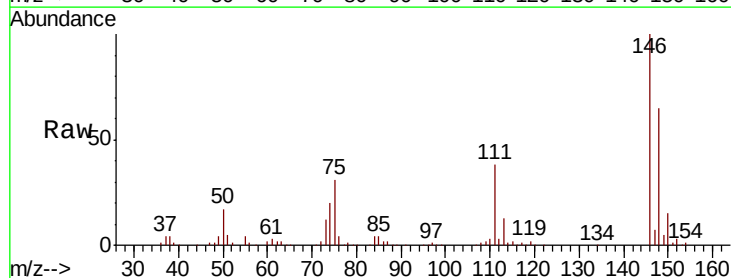
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

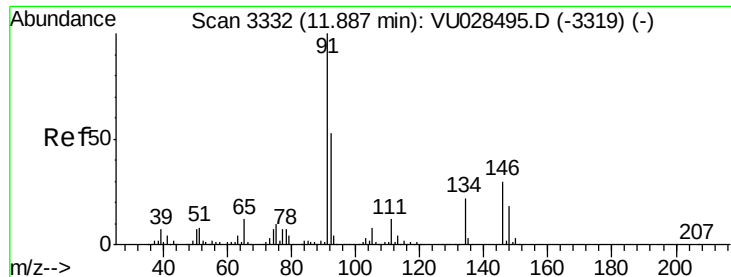
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.7	62.1
148	64.3	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.994 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.2	60.5
148	64.2	31.6	95.0

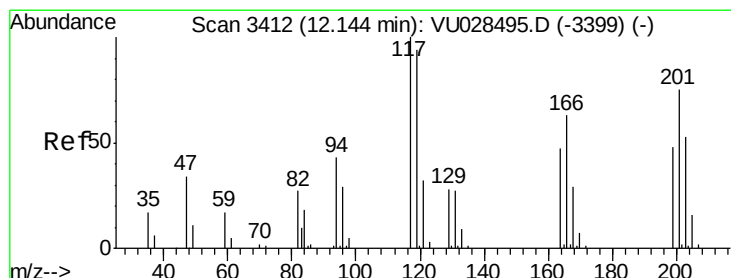
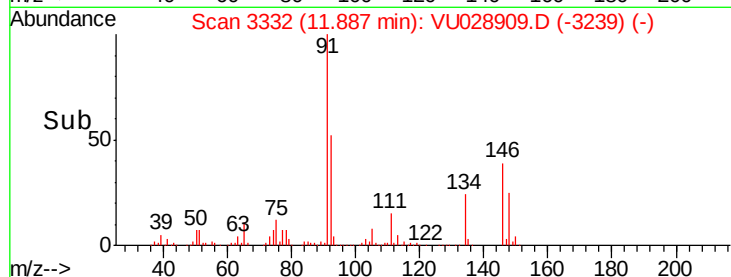
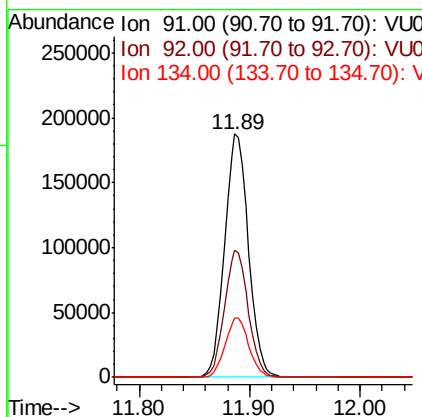
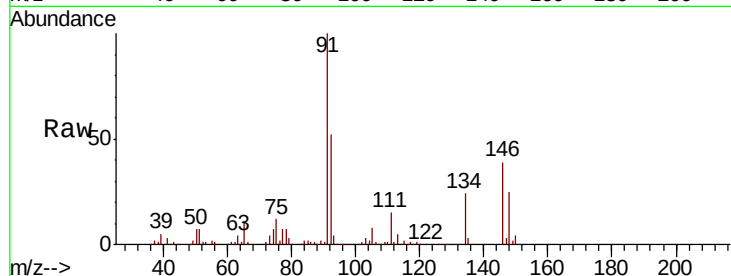




#89
n-Butylbenzene
Concen: 48.583 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

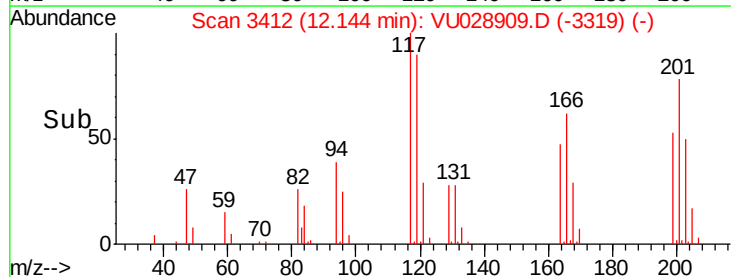
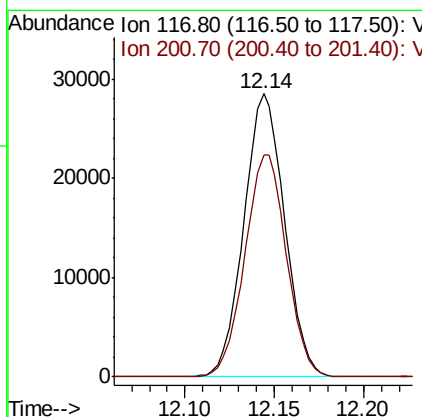
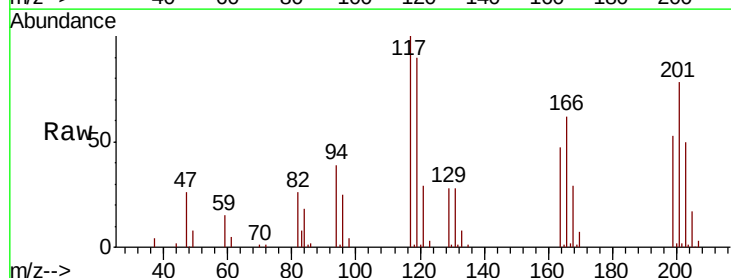
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

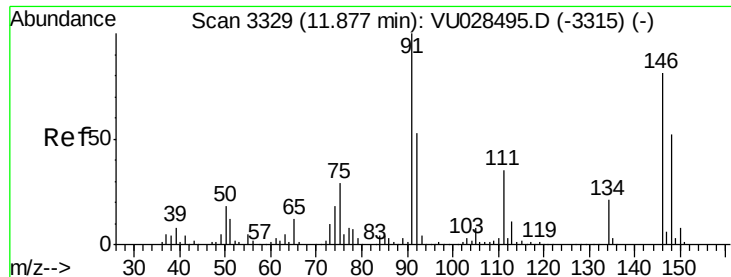
Tgt Ion: 91 Resp: 280527
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.9
134 24.3 11.3 33.8



#90
Hexachloroethane
Concen: 52.779 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 117 Resp: 45515
Ion Ratio Lower Upper
117 100
201 80.1 38.1 114.5

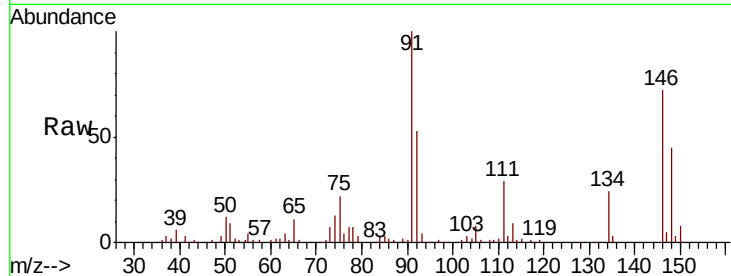




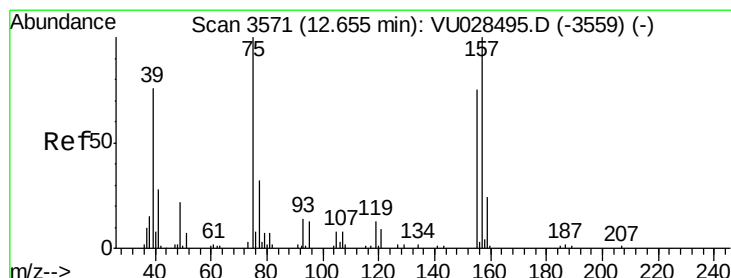
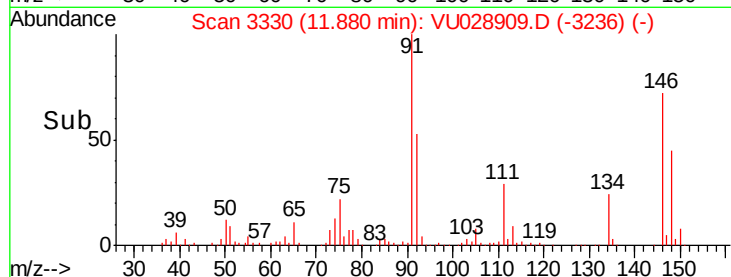
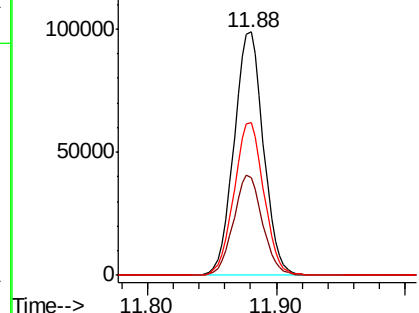
#91
 1,2-Dichlorobenzene
 Concen: 53.951 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 156170
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.4
 148 63.7 31.4 94.2

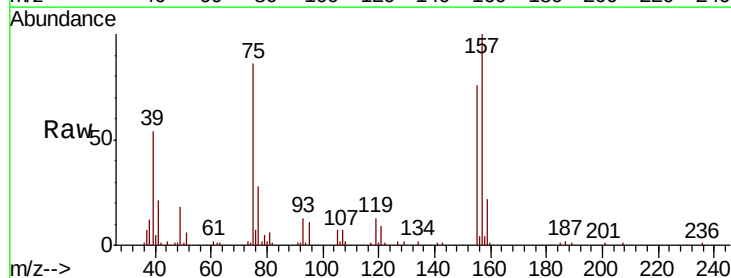


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

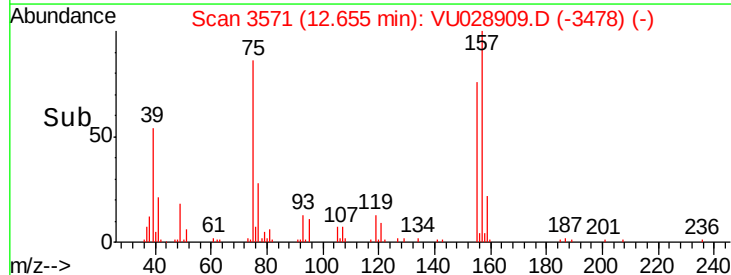
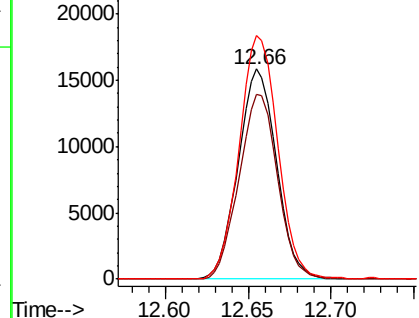


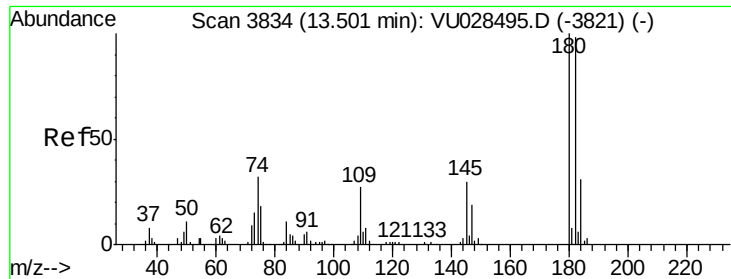
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.890 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 75 Resp: 25554
 Ion Ratio Lower Upper
 75 100
 155 88.0 38.1 114.5
 157 116.6 48.7 146.1



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

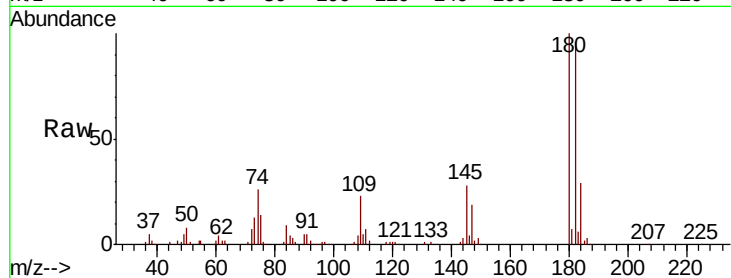




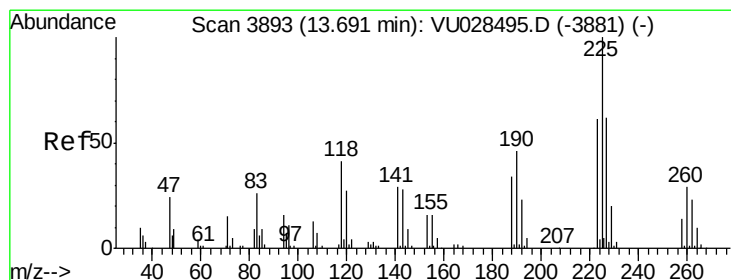
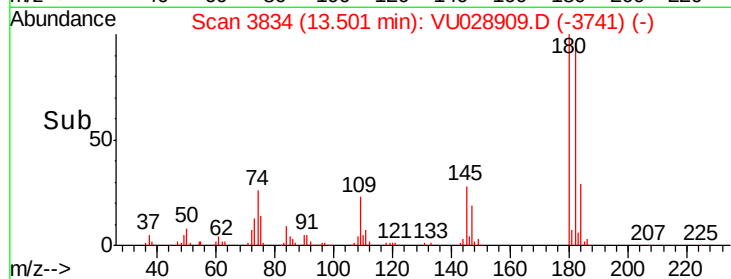
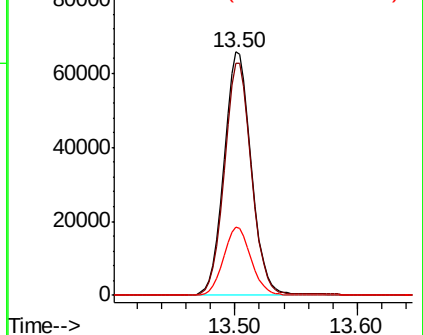
#93
 1,2,4-Trichlorobenzene
 Concen: 52.071 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 103644
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.8
 145 28.3 15.0 45.1

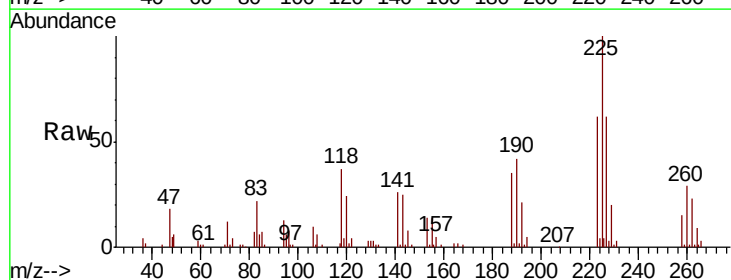


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

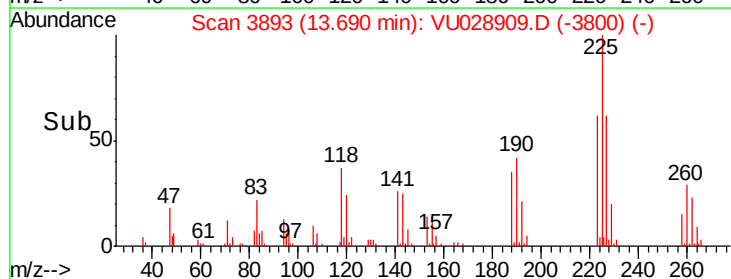
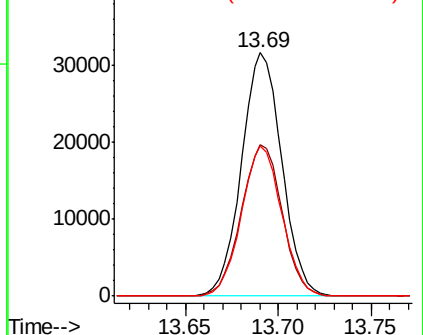


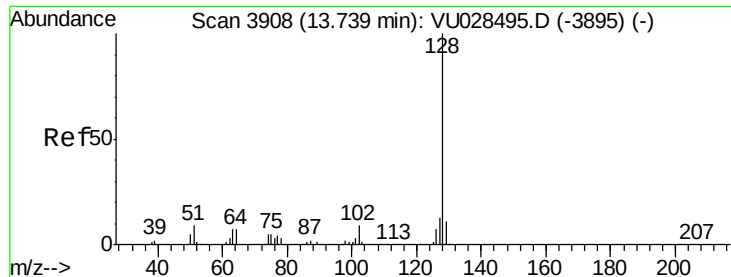
#94
 Hexachlorobutadiene
 Concen: 50.364 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion:225 Resp: 47755
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.4 91.2
 227 61.7 30.7 92.1



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

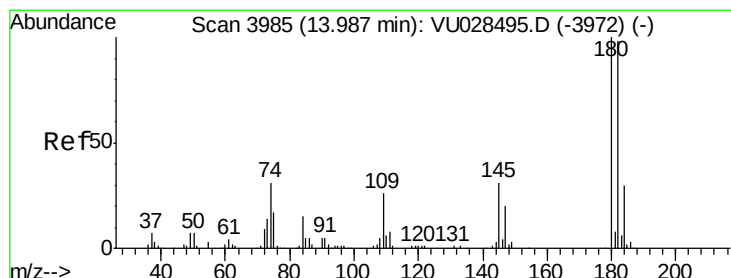
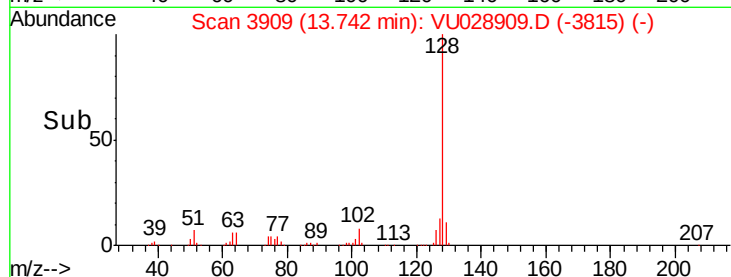
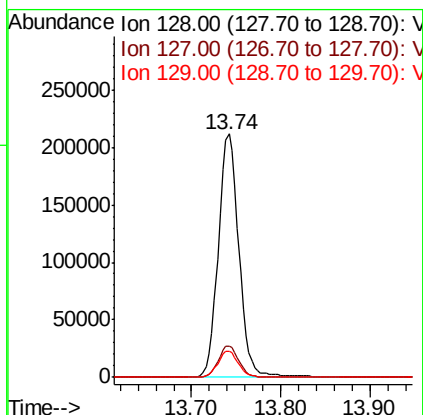
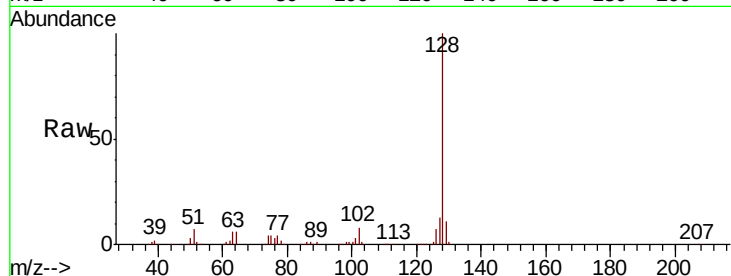




#95
Naphthalene
Concen: 48.817 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 339084
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.900 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion:180 Resp: 104740
Ion Ratio Lower Upper
180 100
182 96.7 48.2 144.6
145 30.0 15.8 47.3

