

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028666.D
 Acq On : 13 Dec 2018 09:08
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Quant Time: Dec 14 05:31:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	15928	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	6356	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5938	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	60447	10.550	ug/l	99
3) Chloromethane	1.33	50	92815	9.517	ug/l	98
4) Vinyl Chloride	1.40	62	72266	10.827	ug/l	100
5) Bromomethane	1.61	94	27673	10.524	ug/l	99
6) Chloroethane	1.69	64	40987	10.519	ug/l	97
7) Trichlorofluoromethane	1.88	101	78737	10.802	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	46359	11.057	ug/l	99
9) 1,1-Dichloroethene	2.28	96	41119	10.603	ug/l	97
10) Iodomethane	2.41	142	45834	17.476	ug/l	99
11) Allyl Chloride	2.59	41	104183	10.642	ug/l	99
12) Acrylonitrile	2.94	53	26240	21.243	ug/l	97
13) Acetone	2.32	43	58289	50.920	ug/l	97
14) Carbon Disulfide	2.48	76	154369	10.480	ug/l	99
15) Methylene Chloride	2.70	84	51276	10.843	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	46712	10.763	ug/l	98
17) 1,1-Dichloroethane	3.44	63	103942	10.743	ug/l	98
18) 2-Butanone	4.28	43	95657	55.923	ug/l	99
19) Cyclohexane	4.98	56	88211	10.502	ug/l	97
20) Methylcyclohexane	6.40	83	81306	9.889	ug/l	98
21) 2,2-Dichloropropane	4.22	77	84561	10.890	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	53183	10.471	ug/l	98
23) Diethyl Ether	2.10	59	41045	10.558	ug/l	98
24) tert-Butyl Alcohol	2.84	59	41482	106.309	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	123923	10.758	ug/l	99
26) Bromochloromethane	4.54	128	19892	10.275	ug/l	95
27) Chloroform	4.67	83	91432	9.799	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	75569	10.371	ug/l	99
29) 1,1-Dichloropropene	5.13	75	71557	10.237	ug/l	99
30) Carbon Tetrachloride	5.13	117	60807	10.334	ug/l	97
31) Isopropyl Ether	3.58	45	187589	10.827	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	153080	10.727	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	120608	10.189	ug/l	99
34) Propionitrile	4.33	54	24830	57.784	ug/l #	97
35) Benzene	5.38	78	201479	9.791	ug/l	99
36) 1,2-Dichloroethane	5.40	62	63312	10.287	ug/l	100
37) Trichloroethene	6.18	130	45052	10.052	ug/l	94
38) 1,2-Dichloropropane	6.43	63	59621	10.160	ug/l	93
39) Methacrylonitrile	4.55	41	25031	10.875	ug/l	98
40) Methyl acrylate	4.42	55	33141	10.466	ug/l #	97
41) Tetrahydrofuran	4.66	42	25261	21.834	ug/l	97
42) 1-Chlorobutane	5.06	56	111006	9.990	ug/l	98

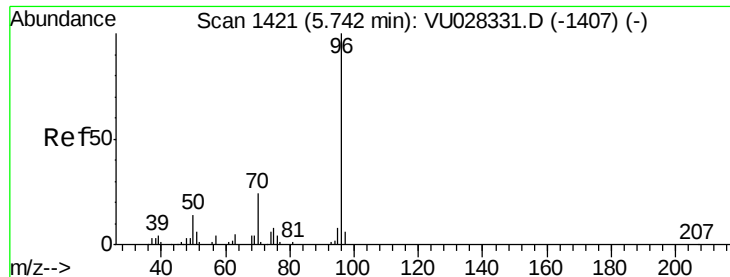
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	25383	10.161	ug/l	100
44) Bromodichloromethane	6.75	83	65546	9.937	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	214289	53.405	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	32819	22.362	ug/l	98
47) Methyl methacrylate	6.63	69	54029	21.189	ug/l	99
48) Ethyl methacrylate	8.03	69	56342	11.046	ug/l	98
49) Toluene	7.63	92	120187	10.517	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	67001	10.575	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	82053	10.488	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	36752	10.479	ug/l	97
53) 1,3-Dichloropropane	8.24	76	68371	10.436	ug/l	100
54) 2-Hexanone	8.37	43	154731	53.605	ug/l	99
55) Dibromochloromethane	8.48	129	40457	10.845	ug/l	99
56) 1,2-Dibromoethane	8.58	107	34494	10.797	ug/l	97
58) Tetrachloroethene	8.22	164	41944	10.221	ug/l	96
59) Chlorobenzene	9.12	112	124005	10.428	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	44032	10.926	ug/l	97
61) Pentachloroethane	11.10	117	35646	11.367	ug/l	99
62) Hexachloroethane	12.14	117	35335	12.024	ug/l	96
63) Ethyl Benzene	9.25	91	237141	10.807	ug/l	99
64) m/p-Xylenes	9.37	106	176533	22.231	ug/l	98
65) o-Xylene	9.78	106	85865	11.206	ug/l	99
66) Styrene	9.79	104	151018	11.490	ug/l	97
67) Bromoform	9.96	173	23521	11.250	ug/l	100
69) Isopropylbenzene	10.16	105	226935	11.060	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	51996	11.052	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	32819	10.007	ug/l #	94
72) Bromobenzene	10.45	156	51232	11.249	ug/l	98
73) n-propylbenzene	10.59	120	61906	11.633	ug/l	99
74) 2-Chlorotoluene	10.66	126	53860	11.550	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	198904	11.518	ug/l	97
76) 4-Chlorotoluene	10.77	126	55362	11.710	ug/l	100
77) tert-Butylbenzene	11.10	119	188138	11.572	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	205995	11.640	ug/l	99
79) sec-Butylbenzene	11.32	105	261398	11.533	ug/l	100
80) Nitrobenzene	12.86	77	12605	59.474	ug/l	98
81) p-Isopropyltoluene	11.48	119	208191	11.559	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	105878	11.606	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	105822	11.655	ug/l	99
84) n-Butylbenzene	11.89	91	222163	11.749	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	100105	11.529	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	8068	10.661	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	69042	11.311	ug/l	99
88) Hexachlorobutadiene	13.69	225	38188	11.563	ug/l	99
89) Naphthalene	13.74	128	131728	10.919	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	63300	10.998	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 96 Resp: 15928

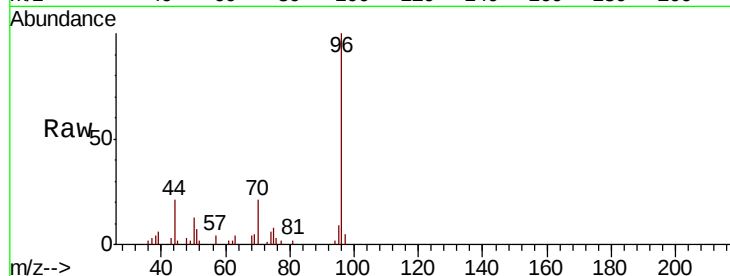
Ion Ratio Lower Upper

96 100

70 22.2 17.8 26.8

95 9.0 7.6 11.4

97 0.0 0.0 0.0

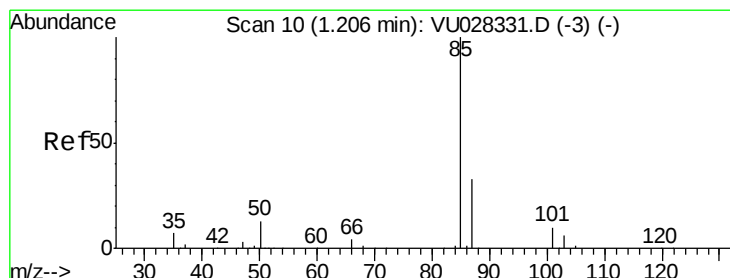
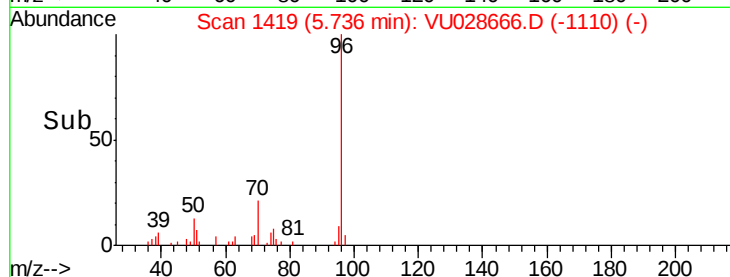
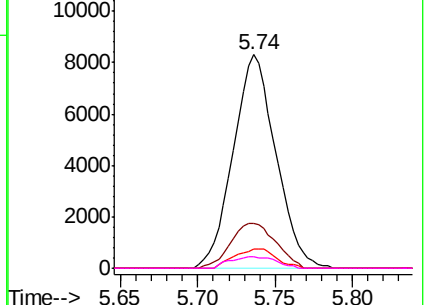


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 10.550 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028666.D

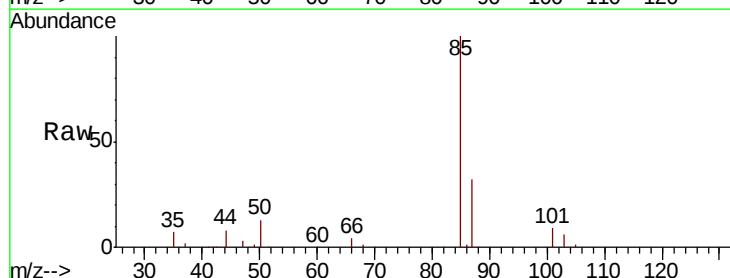
Acq: 13 Dec 2018 09:08

Tgt Ion: 85 Resp: 60447

Ion Ratio Lower Upper

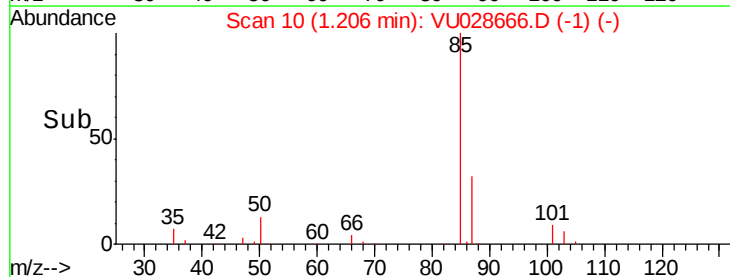
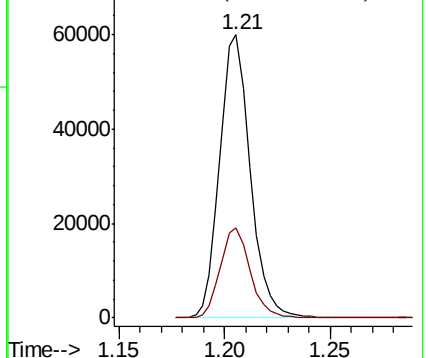
85 100

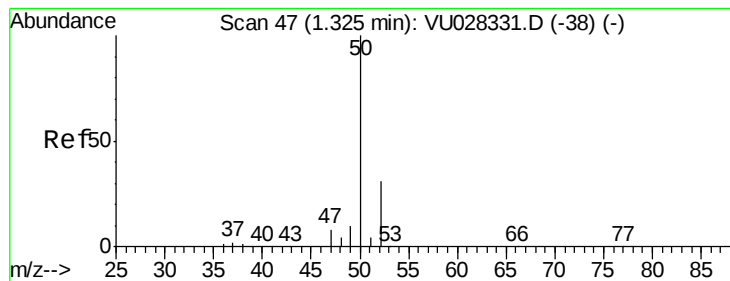
87 32.0 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.517 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

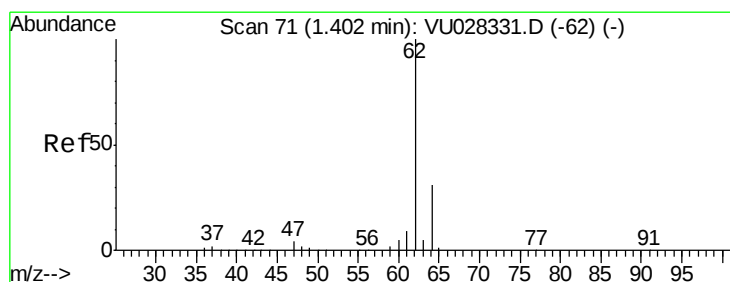
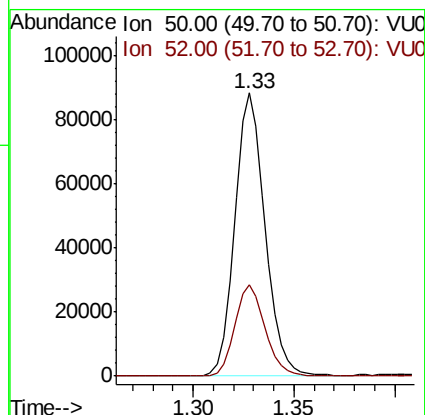
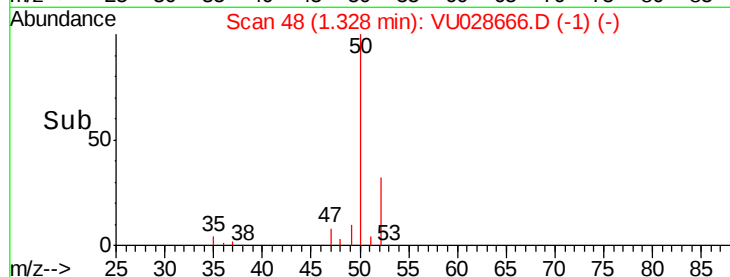
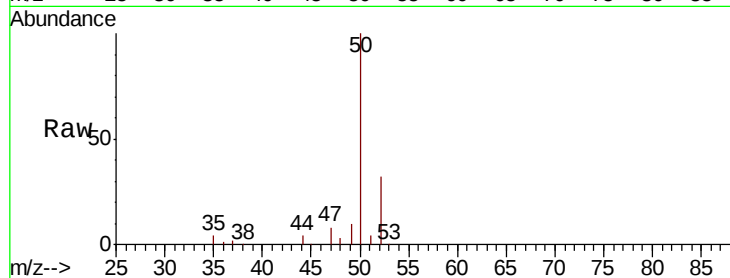
VSTDCCC010

Tot Ion: 50 Resp: 92815

Ion Ratio Lower Upper

50 100

52 32.3 25.1 37.7



#4

Vinyl Chloride

Concen: 10.827 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028666.D

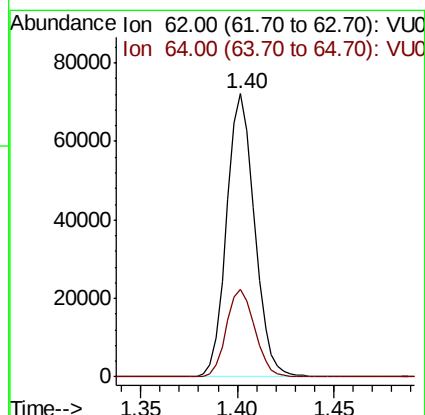
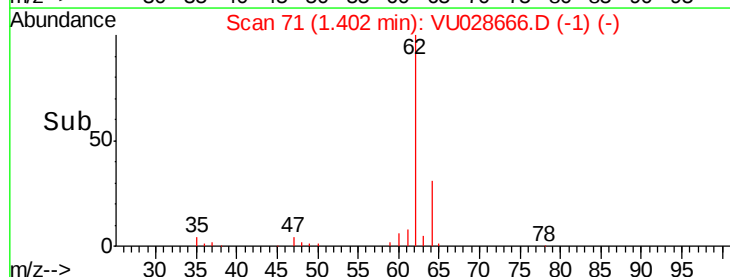
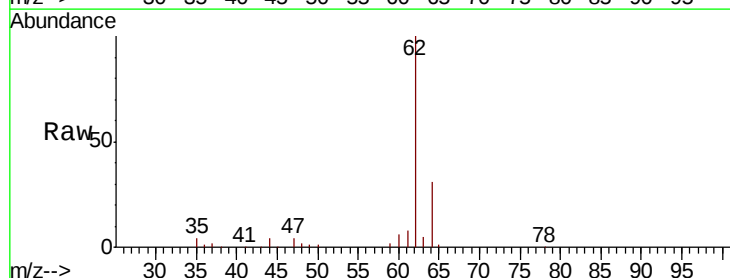
Acq: 13 Dec 2018 09:08

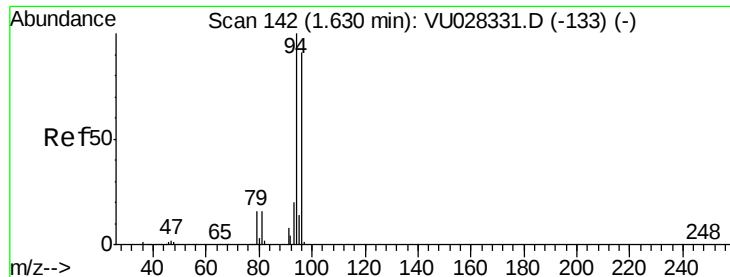
Tgt Ion: 62 Resp: 72266

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 10.524 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.02 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

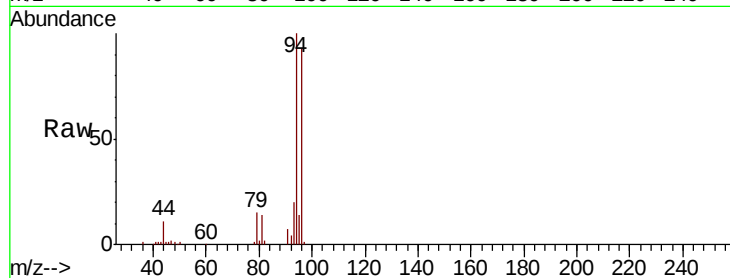
VSTDCCC010

Tot Ion: 94 Resp: 27673

Ion Ratio Lower Upper

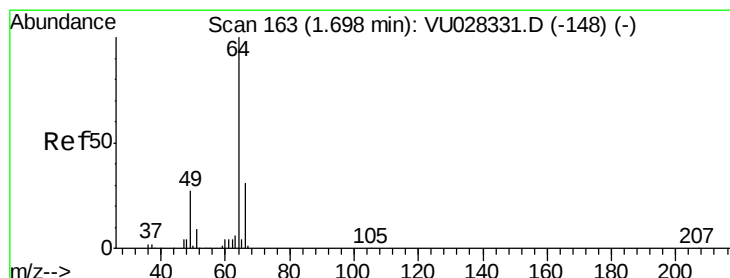
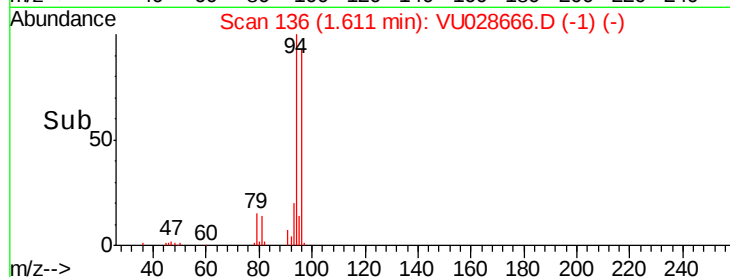
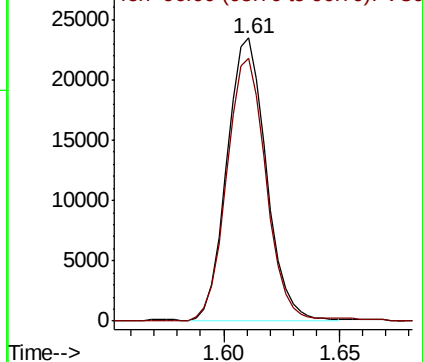
94 100

96 92.8 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 10.519 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028666.D

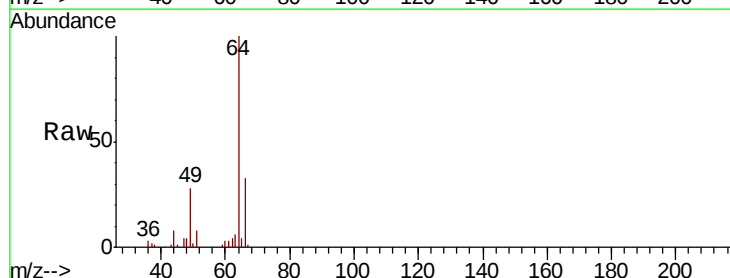
Acq: 13 Dec 2018 09:08

Tgt Ion: 64 Resp: 40987

Ion Ratio Lower Upper

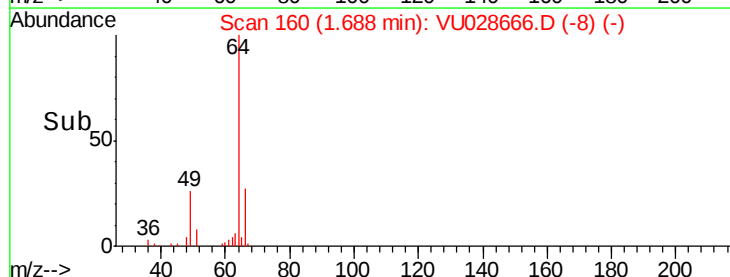
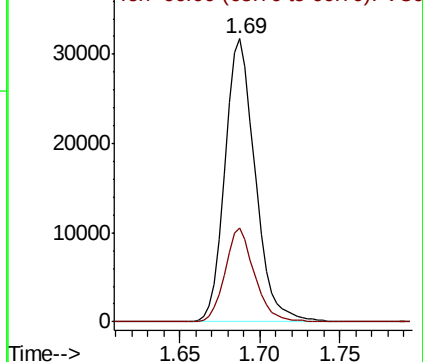
64 100

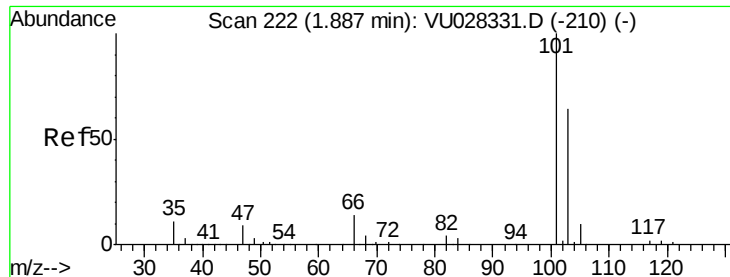
66 33.2 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 10.802 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

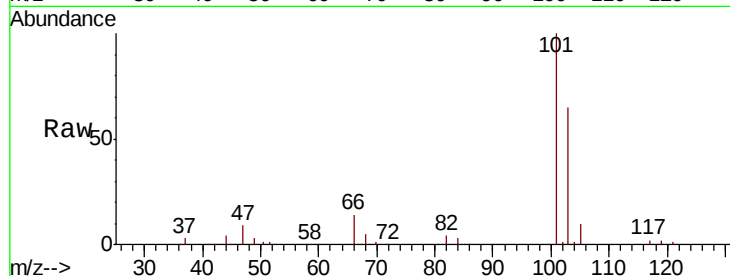
VSTDCCC010

Tot Ion:101 Resp: 78737

Ion Ratio Lower Upper

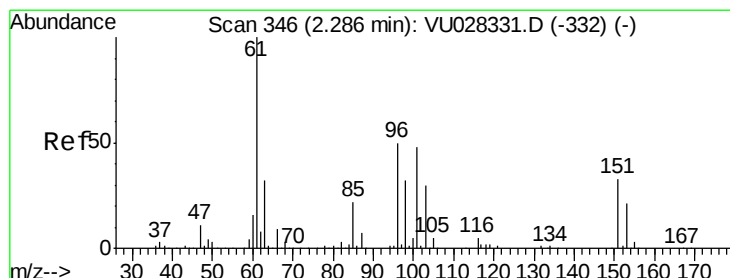
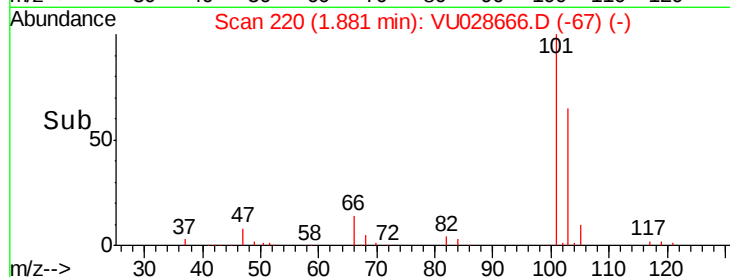
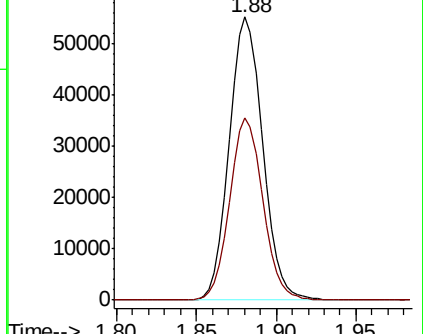
101 100

103 64.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 11.057 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

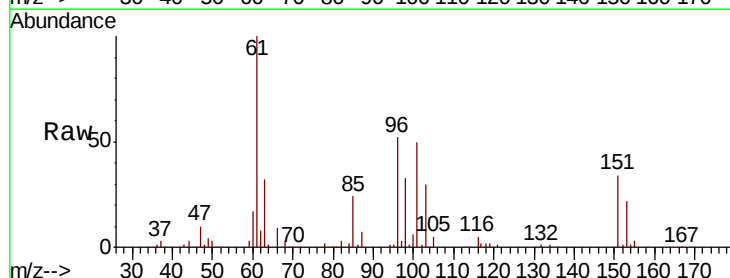
Tgt Ion:101 Resp: 46359

Ion Ratio Lower Upper

101 100

85 46.8 36.7 55.1

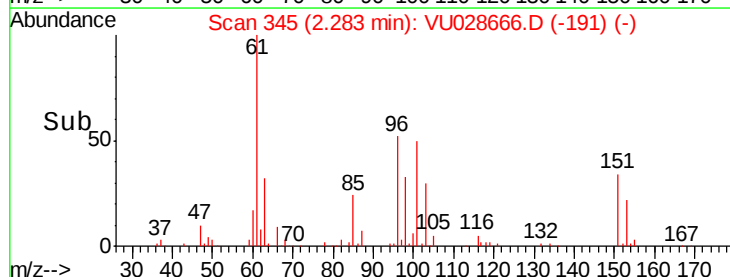
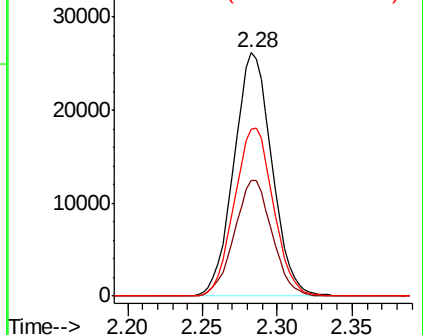
151 70.6 55.8 83.6

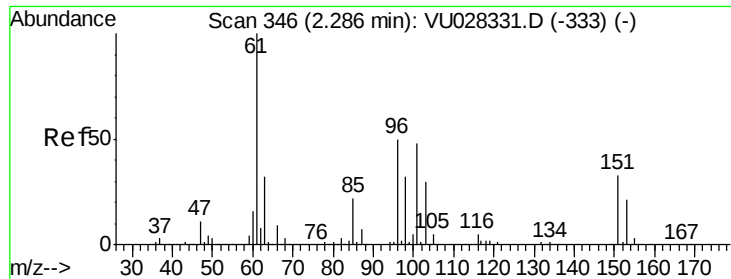


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 10.603 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

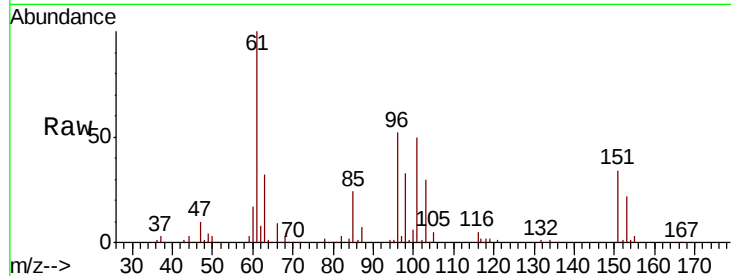
Tot Ion: 96 Resp: 41119

Ion Ratio Lower Upper

96 100

61 193.1 0.0 597.6

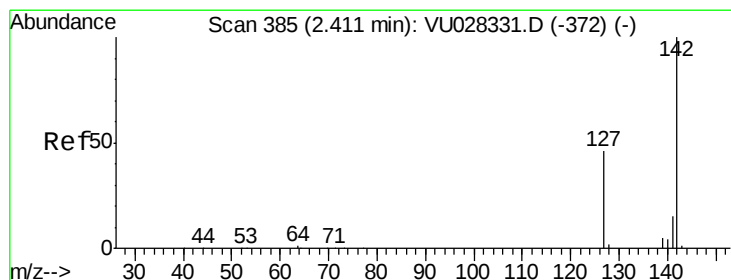
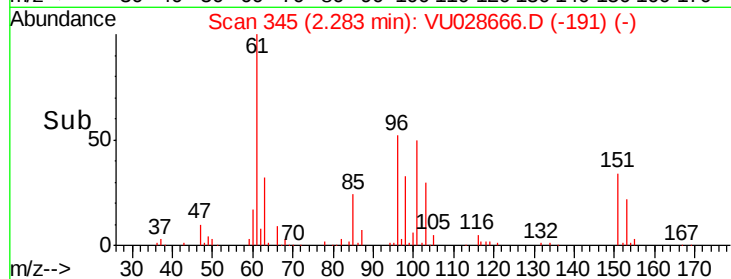
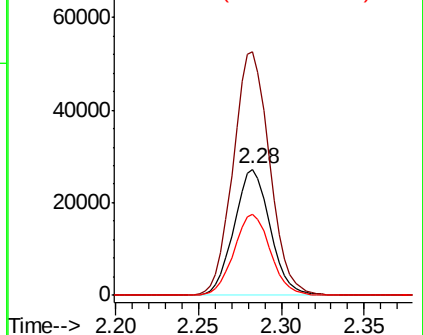
98 64.5 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 17.476 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028666.D

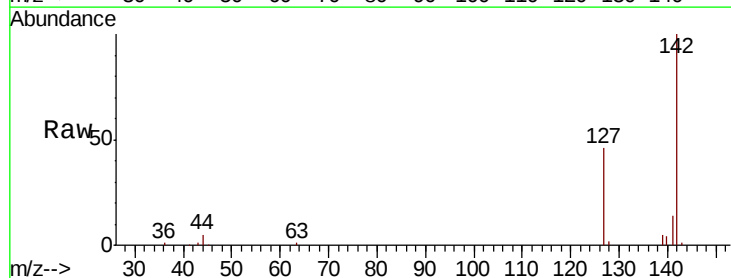
Acq: 13 Dec 2018 09:08

Tgt Ion: 142 Resp: 45834

Ion Ratio Lower Upper

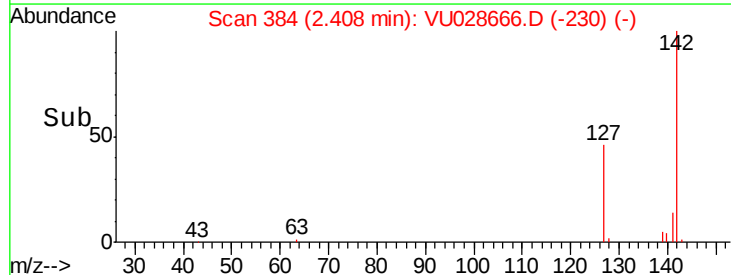
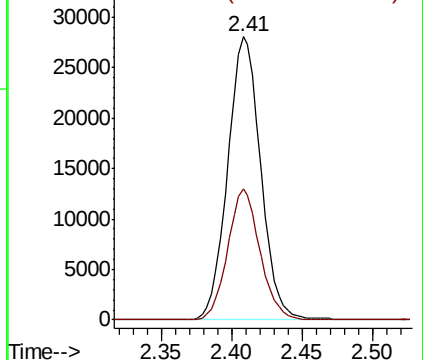
142 100

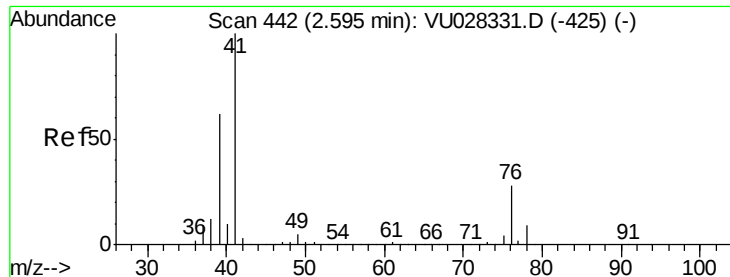
127 45.0 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

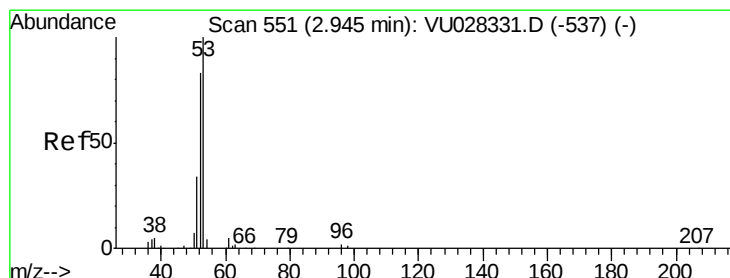
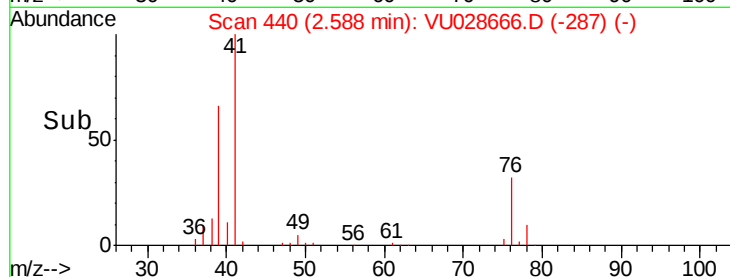
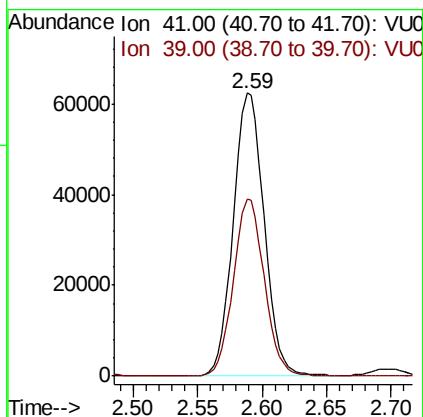
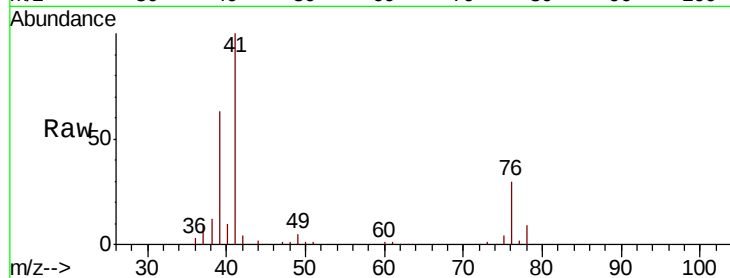




#11
Allvl Chloride
Concen: 10.642 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

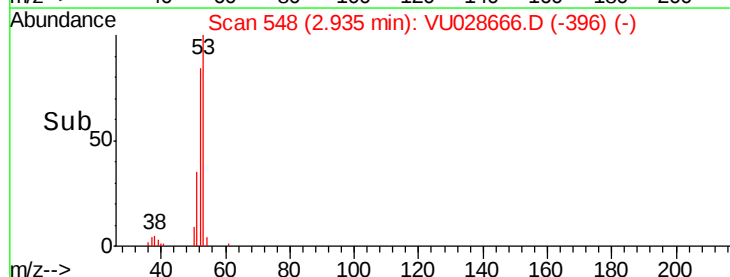
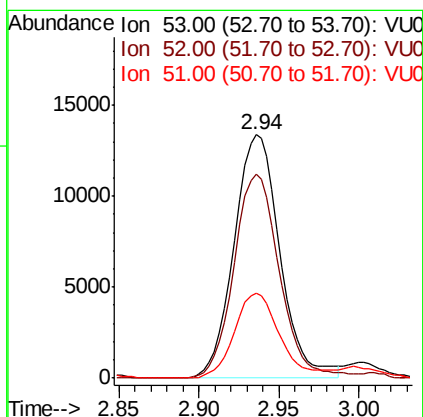
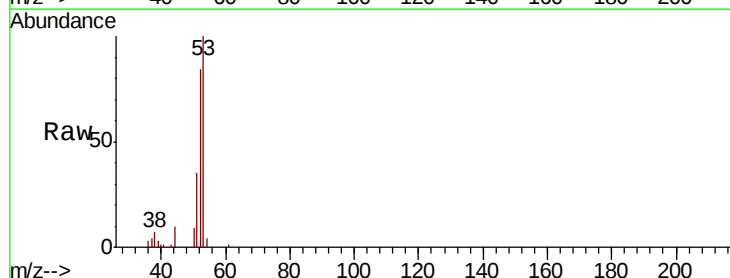
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

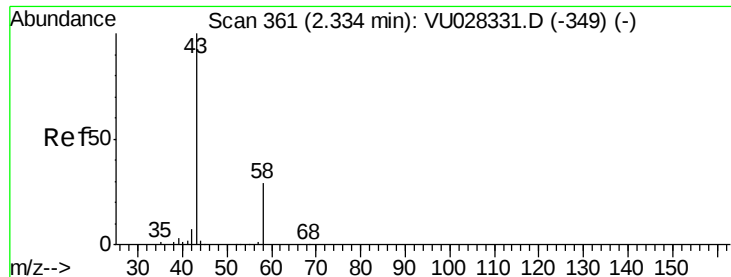
Tot Ion: 41 Resp: 104183
Ion Ratio Lower Upper
41 100
39 62.7 50.8 76.2



#12
Acrylonitrile
Concen: 21.243 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 53 Resp: 26240
Ion Ratio Lower Upper
53 100
52 83.1 69.3 103.9
51 34.7 27.8 41.8





#13

Acetone

Concen: 50.920 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

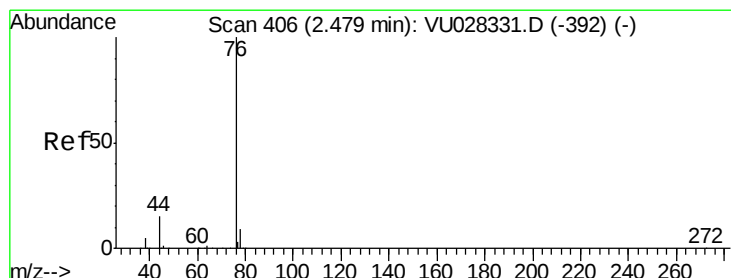
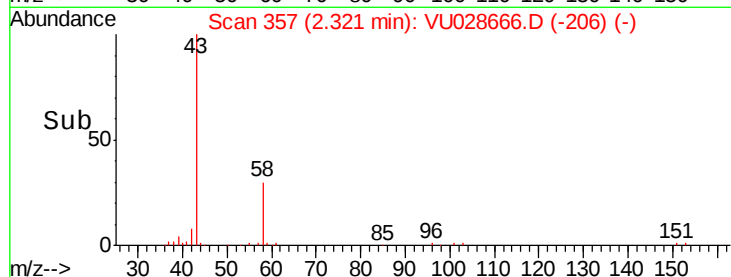
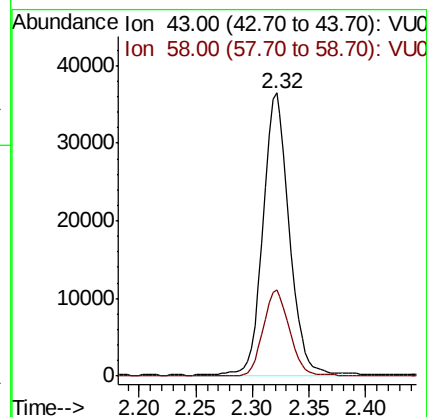
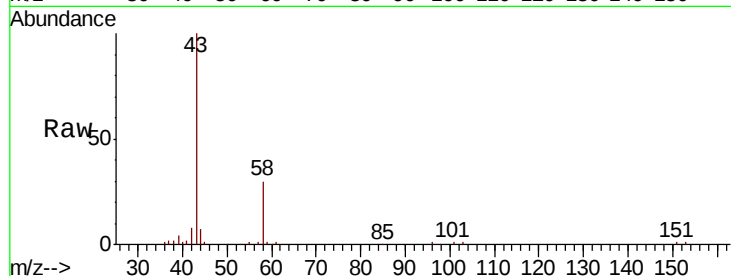
VSTDCCC010

Tot Ion: 43 Resp: 58289

Ion Ratio Lower Upper

43 100

58 30.5 23.1 34.7



#14

Carbon Disulfide

Concen: 10.480 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028666.D

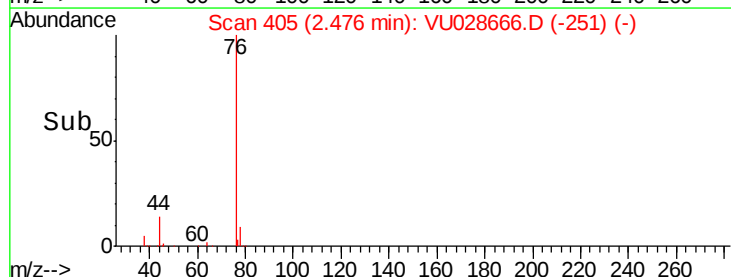
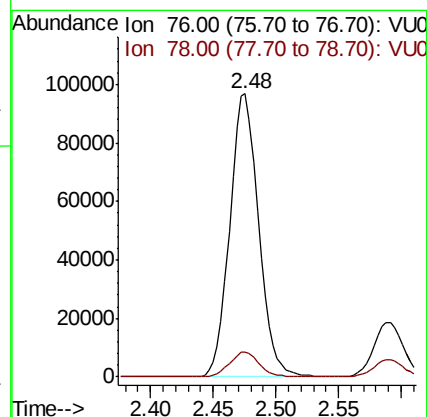
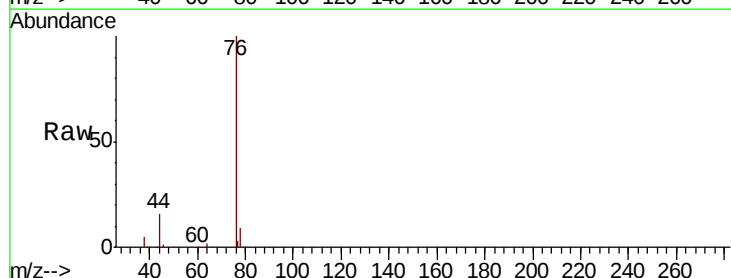
Acq: 13 Dec 2018 09:08

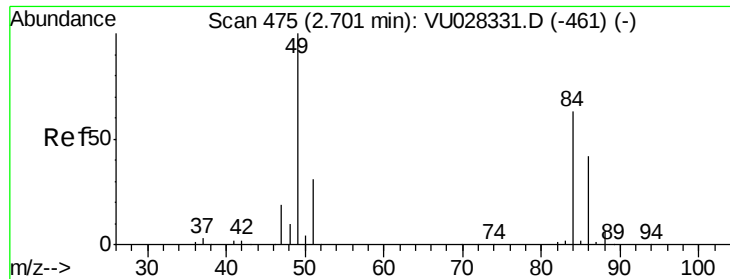
Tgt Ion: 76 Resp: 154369

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

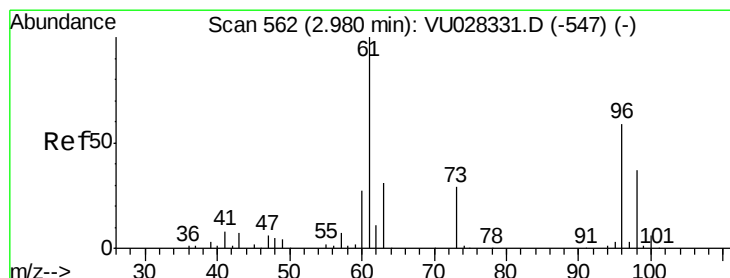
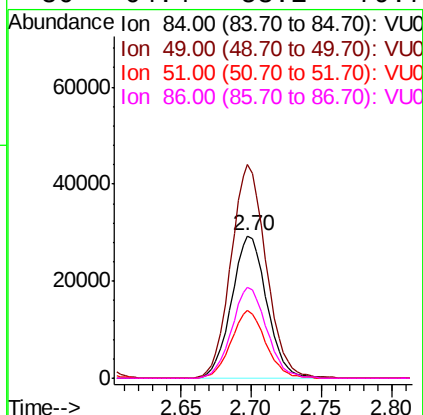
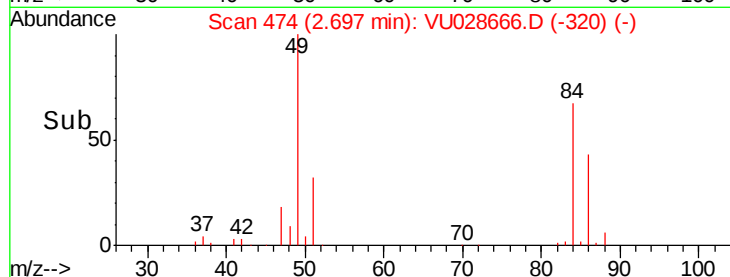
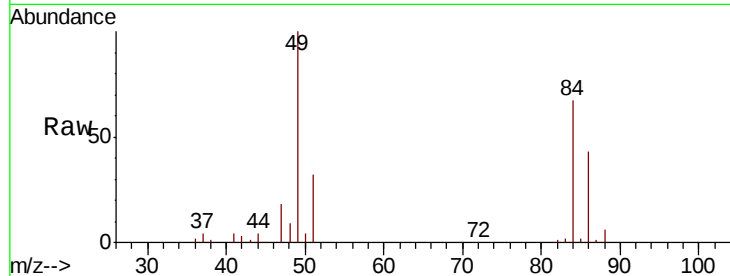




#15
Methvlene Chloride
Concen: 10.843 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

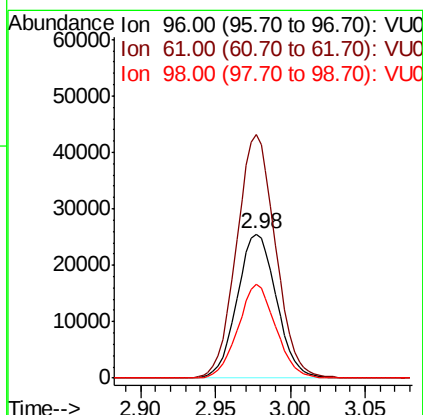
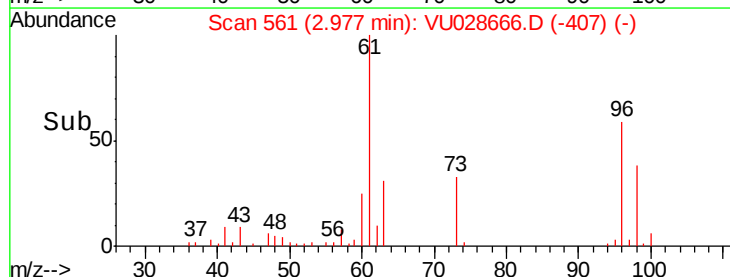
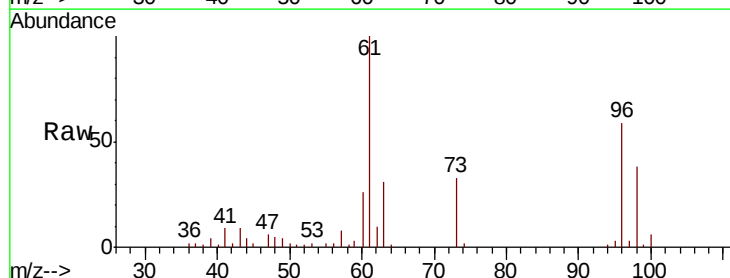
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

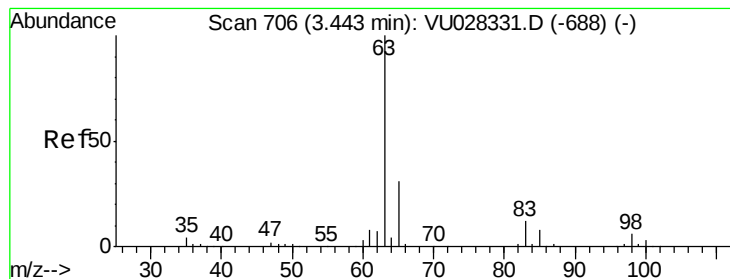
Tot Ion: 84 Resp: 51276
Ion Ratio Lower Upper
84 100
49 150.3 127.7 191.5
51 47.4 0.0 98.2
86 64.4 53.1 79.7



#16
trans-1,2-Dichloroethene
Concen: 10.763 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 96 Resp: 46712
Ion Ratio Lower Upper
96 100
61 169.0 136.4 204.6
98 65.0 49.8 74.8





#17

1,1-Dichloroethane

Concen: 10.743 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

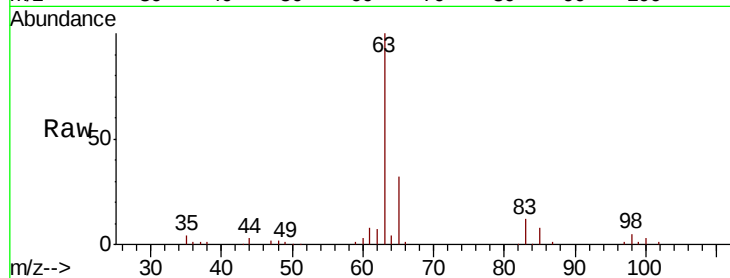
Tot Ion: 63 Resp: 103942

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.0

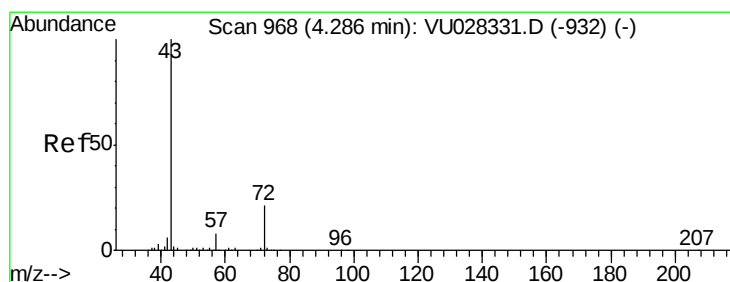
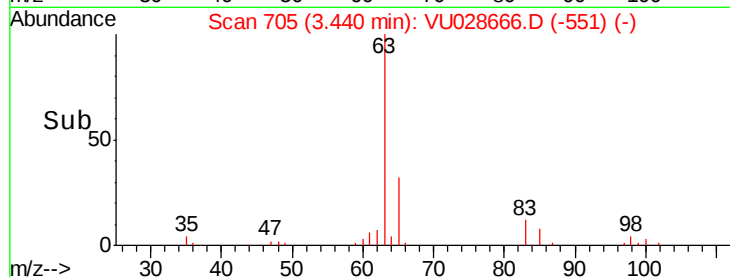
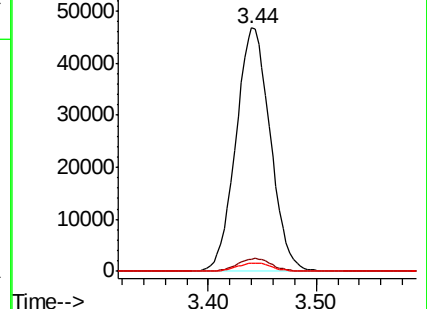
100 3.4 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-688) (-)

Ion 98.00 (97.70 to 98.70): VU028331.D (-688) (-)

Ion 100.00 (99.70 to 100.70): VU028331.D (-688) (-)



#18

2-Butanone

Concen: 55.923 ug/l

RT: 4.28 min Scan# 965

Delta R.T. -0.01 min

Lab File: VU028666.D

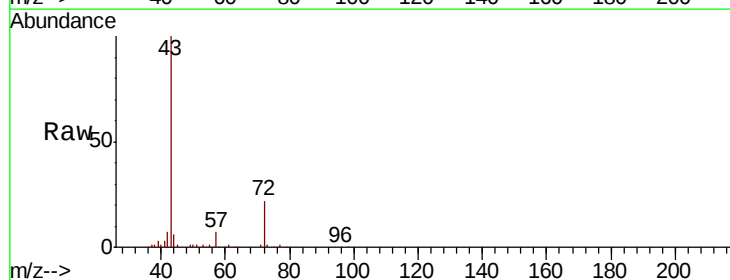
Acq: 13 Dec 2018 09:08

Tgt Ion: 43 Resp: 95657

Ion Ratio Lower Upper

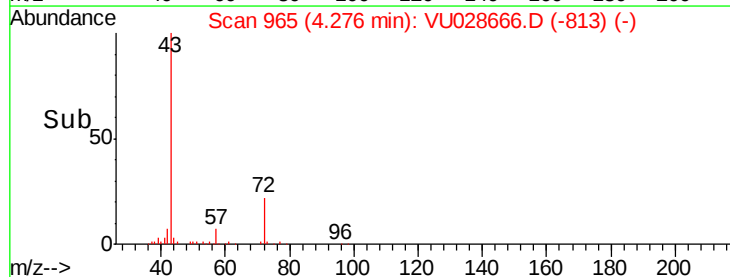
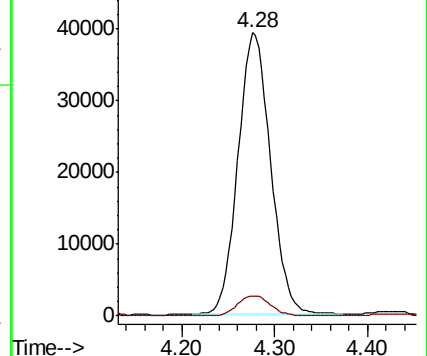
43 100

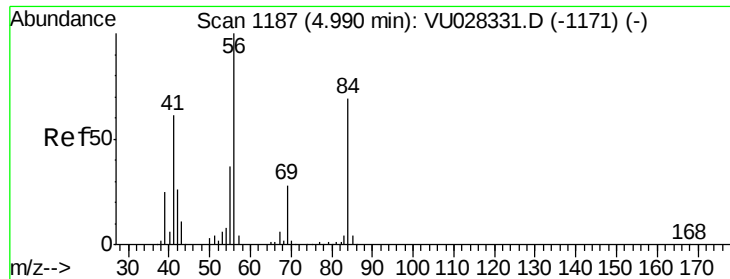
57 7.2 0.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU028331.D (-932) (-)

Ion 57.00 (56.70 to 57.70): VU028331.D (-932) (-)

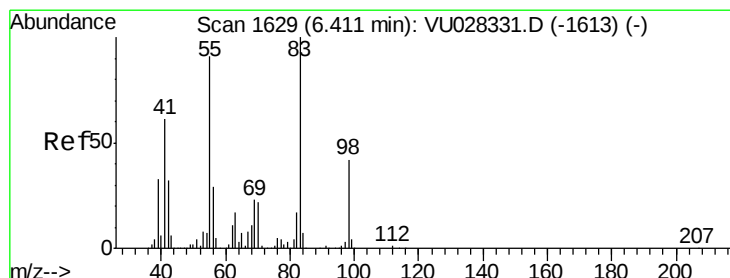
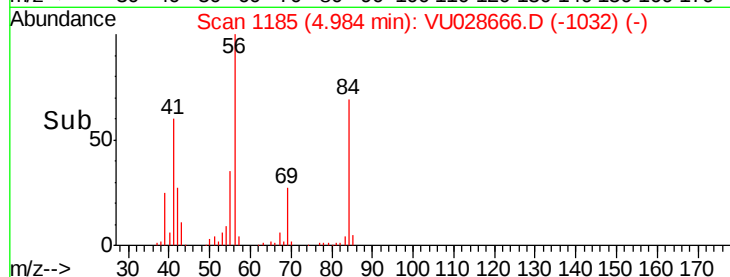
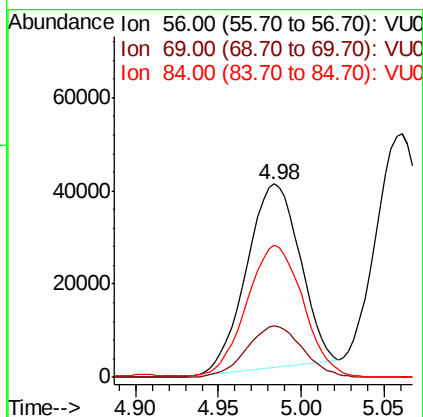
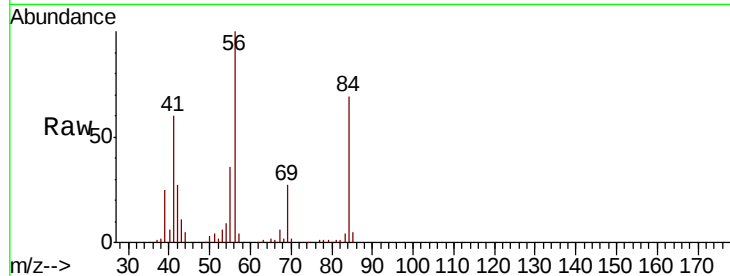




#19
Cyclohexane
Concen: 10.502 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

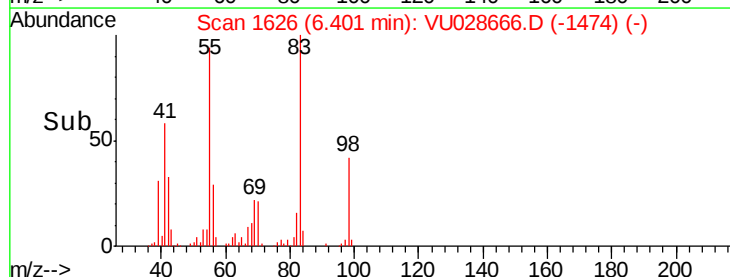
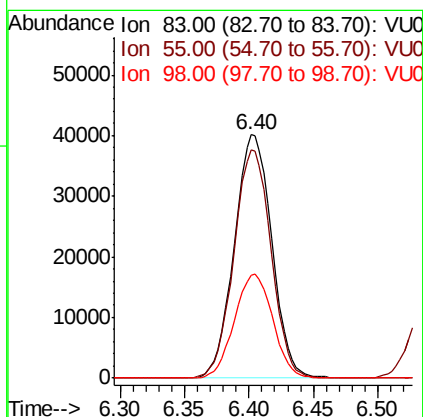
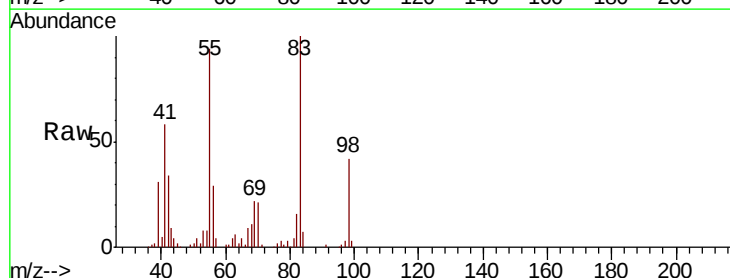
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

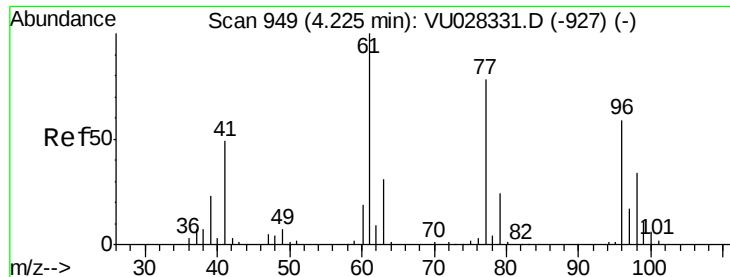
Tot Ion	56	Resp	88211
Ion Ratio	Lower	Upper	
56	100		
69	29.5	25.0	37.6
84	75.9	62.6	94.0



#20
Methylcyclohexane
Concen: 9.889 ug/l
RT: 6.40 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	83	Resp	81306
Ion Ratio	Lower	Upper	
83	100		
55	92.9	72.6	108.8
98	43.6	33.8	50.8





#21

2,2-Dichloropropane

Concen: 10.890 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

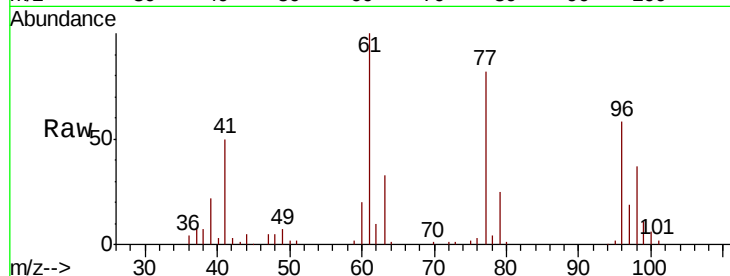
VSTDCCC010

Tot Ion: 77 Resp: 84561

Ion Ratio Lower Upper

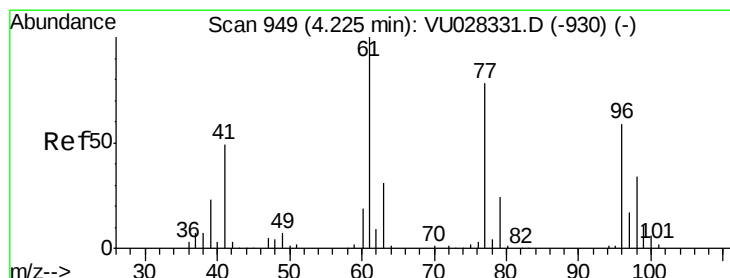
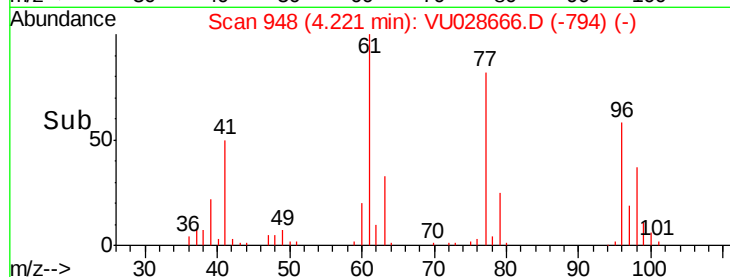
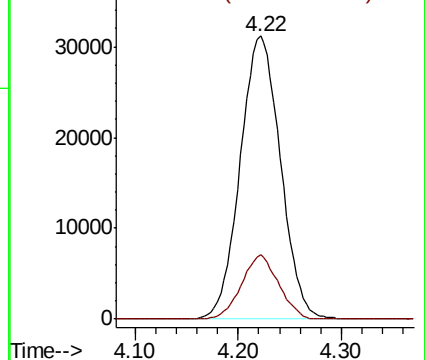
77 100

97 20.9 17.4 26.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 10.471 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

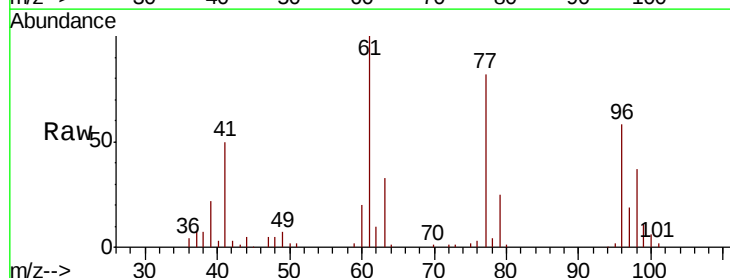
Tgt Ion: 96 Resp: 53183

Ion Ratio Lower Upper

96 100

61 171.8 0.0 423.0

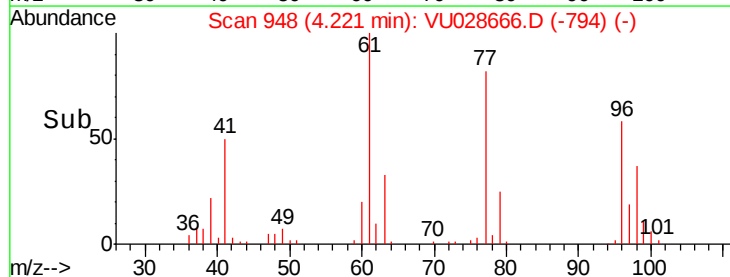
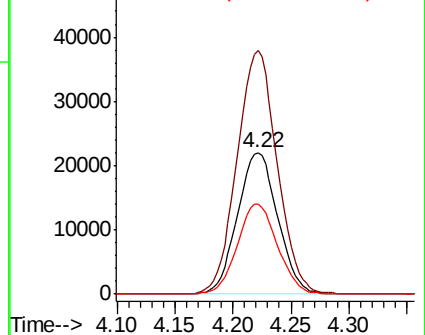
98 63.4 30.3 91.0

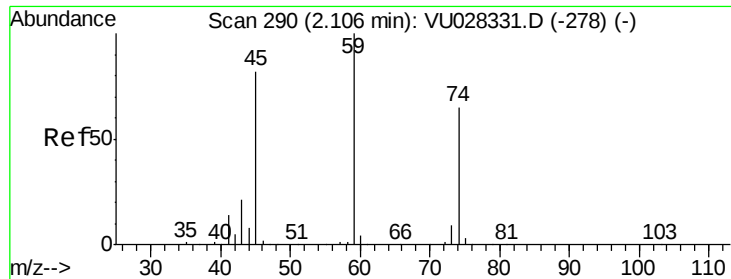


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

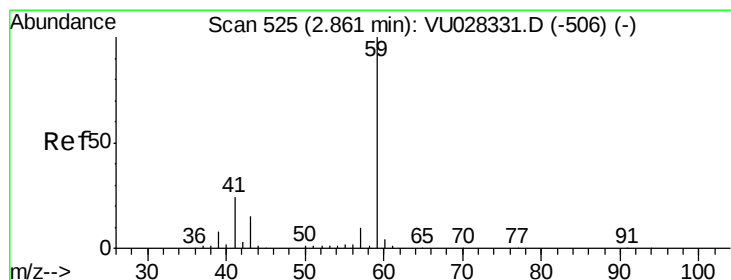
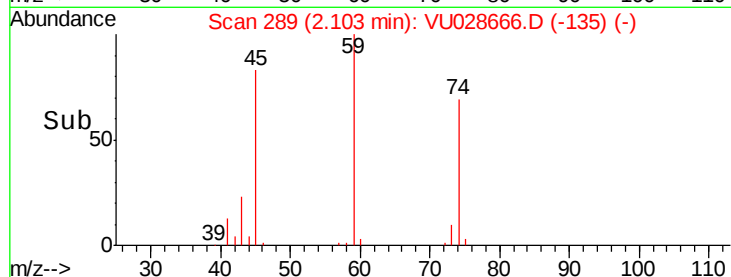
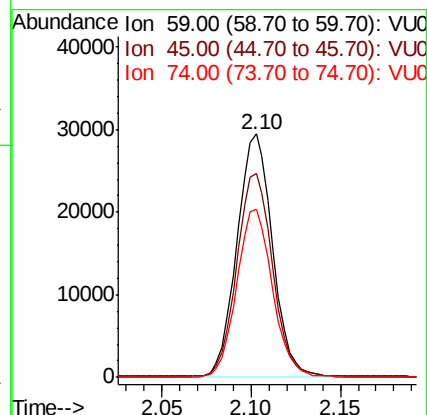
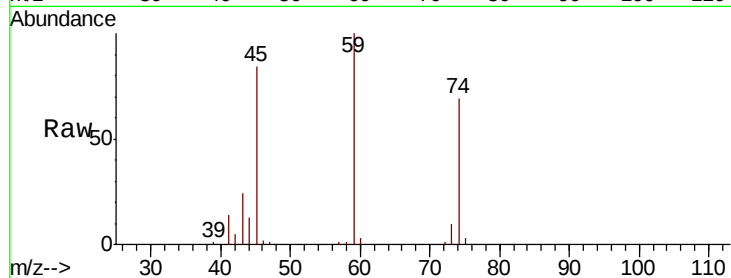




#23
Diethyl Ether
Concen: 10.558 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

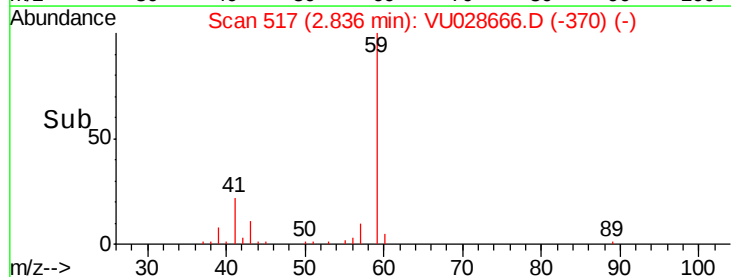
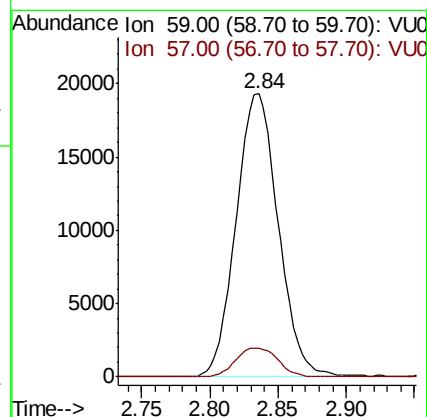
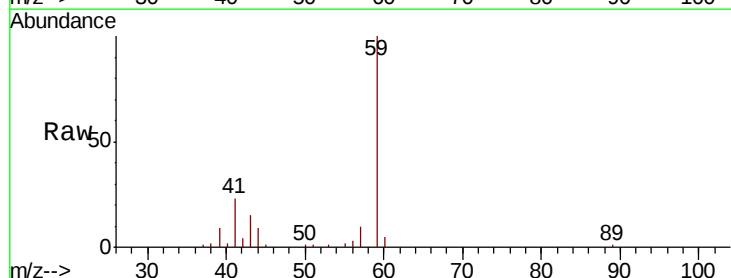
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

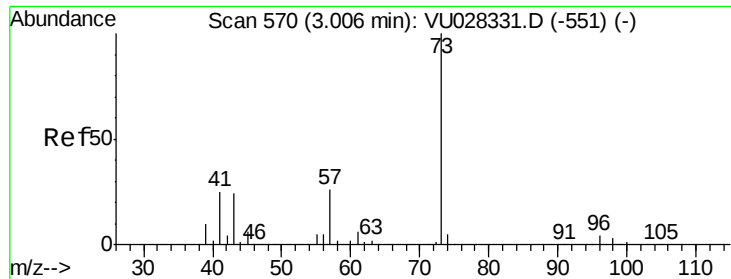
Tot Ion: 59 Resp: 41045
Ion Ratio Lower Upper
59 100
45 83.4 66.4 99.6
74 69.3 52.2 78.4



#24
tert-Butyl Alcohol
Concen: 106.309 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 59 Resp: 41482
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



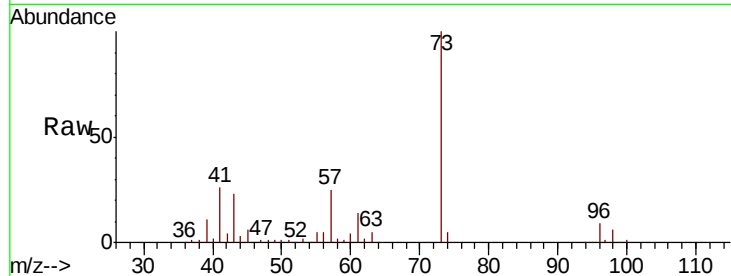


#25

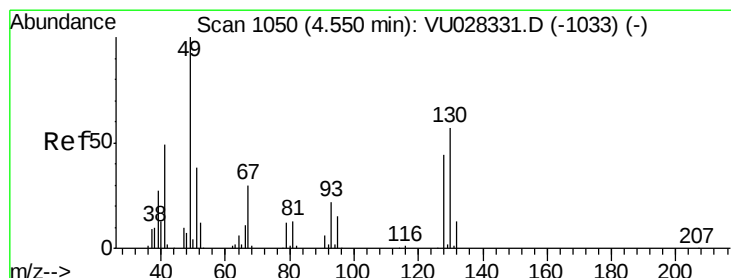
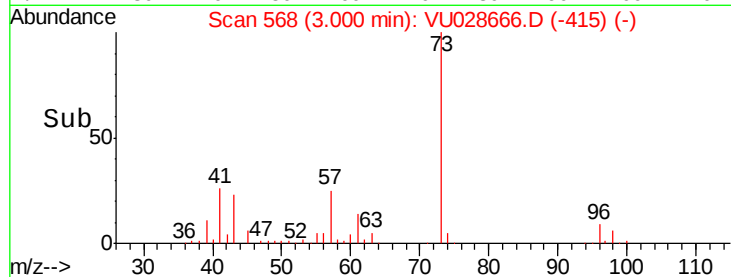
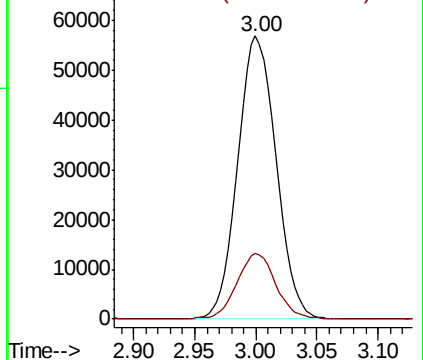
Methyl tert-Butyl Ether
 Concen: 10.758 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 73 Resp: 123923
 Ion Ratio Lower Upper
 73 100
 43 22.9 18.5 27.7



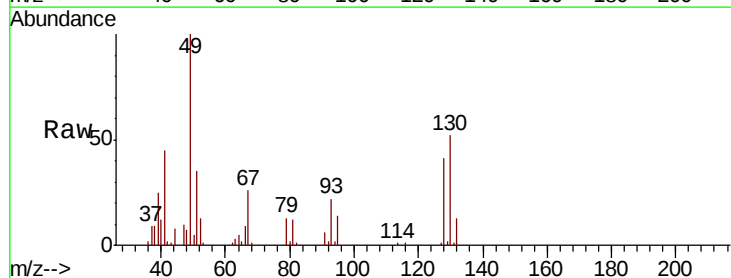
Abundance Ion 73.00 (72.70 to 73.70): VU028331.D (-551) (-)
 Ion 43.00 (42.70 to 43.70): VU028331.D (-551) (-)



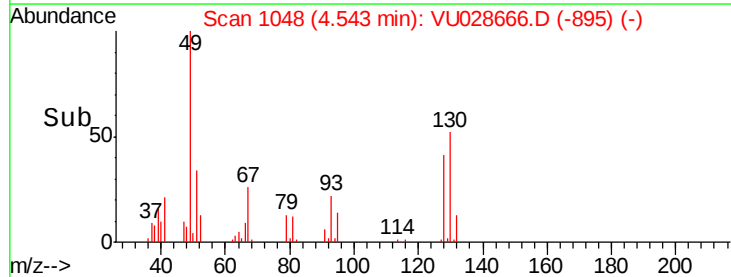
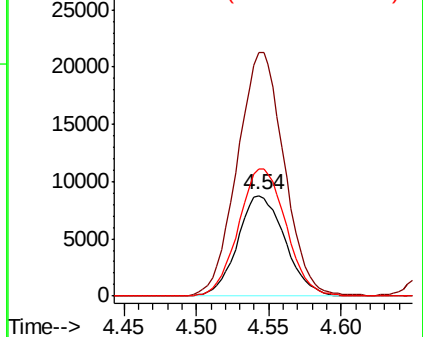
#26

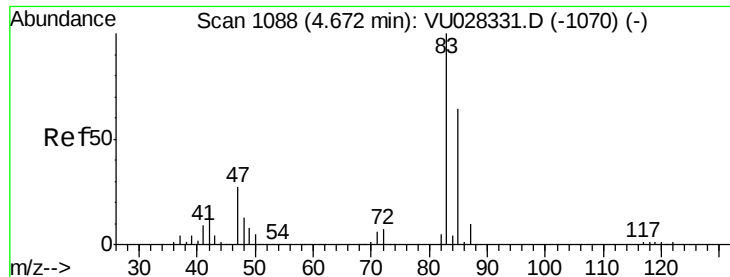
Bromochloromethane
 Concen: 10.275 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion: 128 Resp: 19892
 Ion Ratio Lower Upper
 128 100
 49 240.5 0.0 457.6
 130 127.1 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): VU028331.D (-1033) (-)
 Ion 49.00 (48.70 to 49.70): VU028331.D (-1033) (-)
 Ion 130.00 (129.70 to 130.70): VU028331.D (-1033) (-)

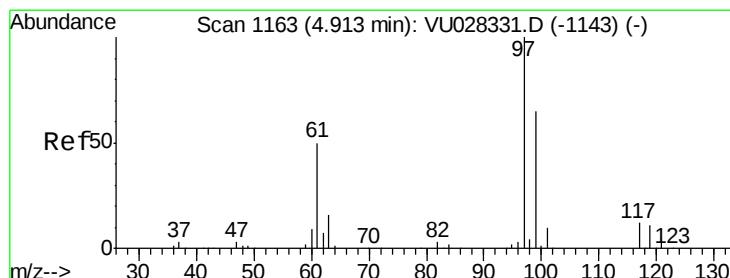
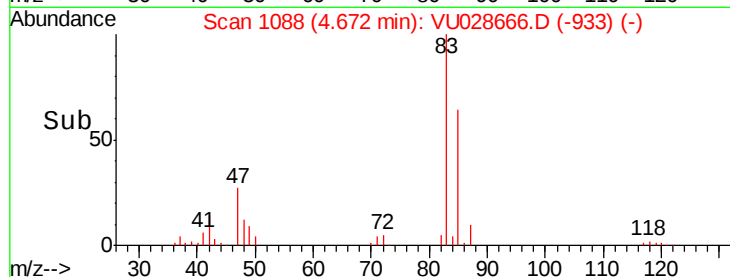
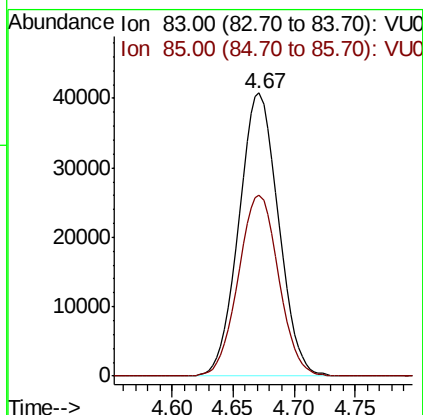
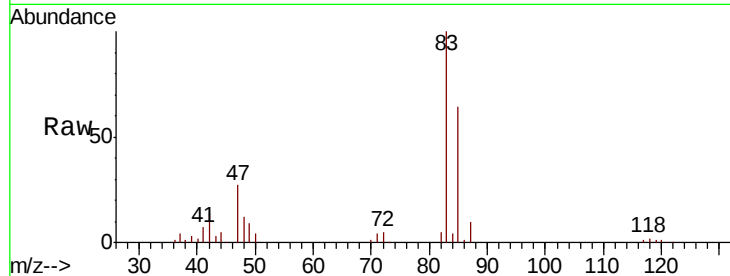




#27
Chloroform
Concen: 9.799 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

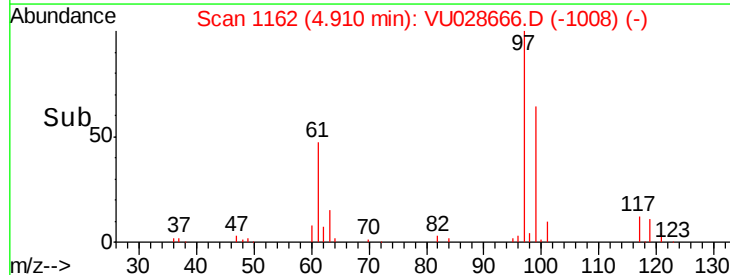
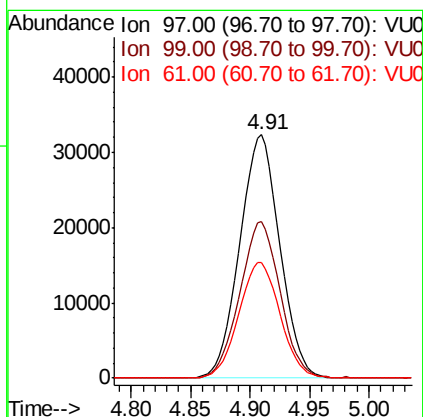
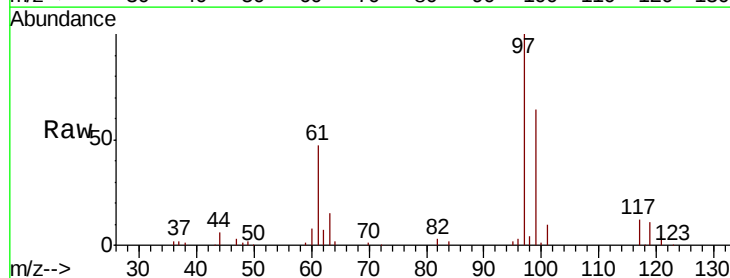
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

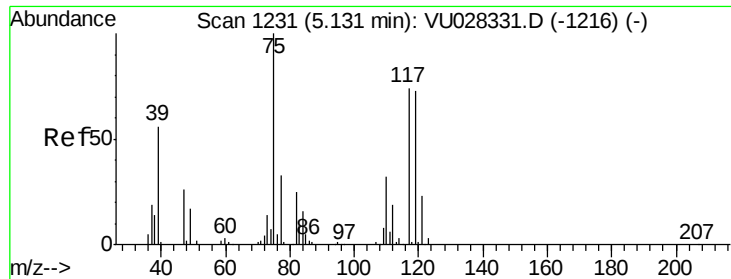
Tot Ion: 83 Resp: 91432
Ion Ratio Lower Upper
83 100
85 63.8 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 10.371 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 97 Resp: 75569
Ion Ratio Lower Upper
97 100
99 64.4 32.2 96.6
61 48.9 24.9 74.7





#29

1,1-Dichloropropene

Concen: 10.237 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

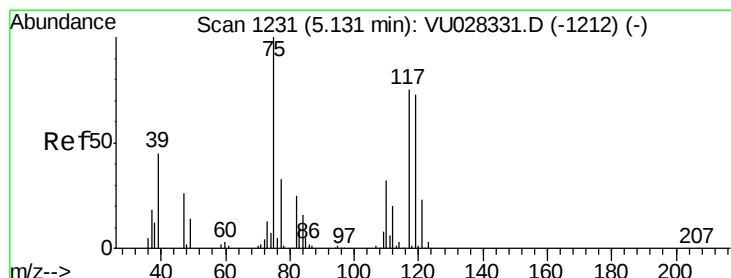
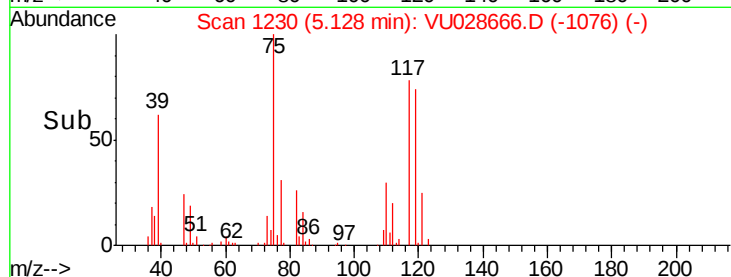
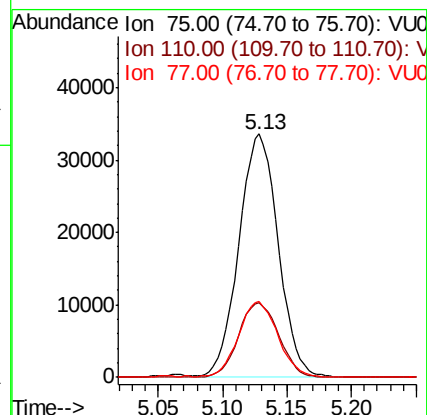
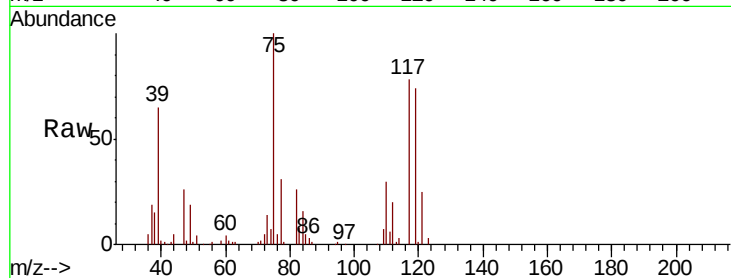
Tot Ion: 75 Resp: 71557

Ion Ratio Lower Upper

75 100

110 31.2 15.8 47.3

77 31.3 25.4 38.0



#30

Carbon Tetrachloride

Concen: 10.334 ug/l

RT: 5.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

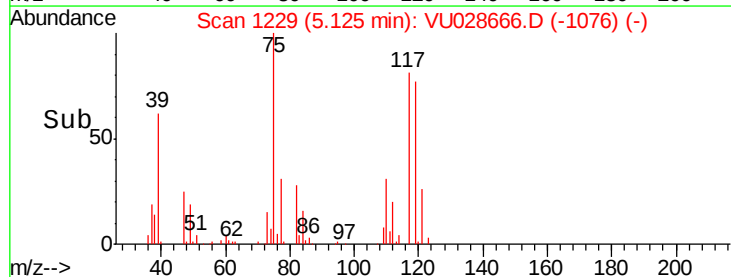
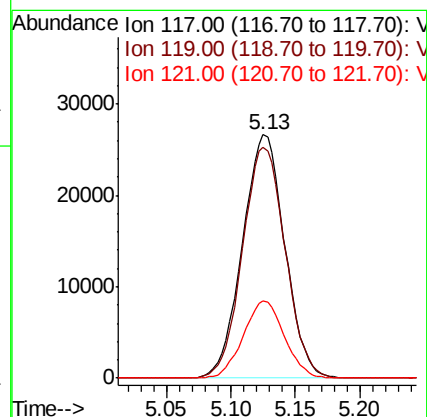
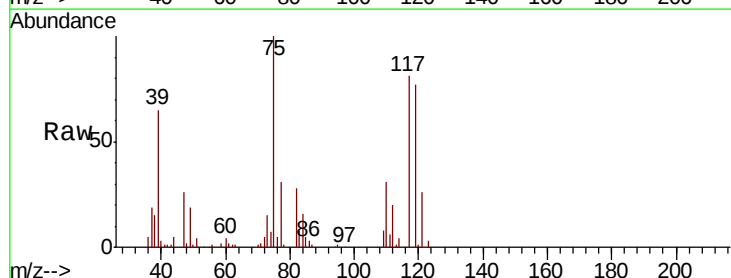
Tgt Ion: 117 Resp: 60807

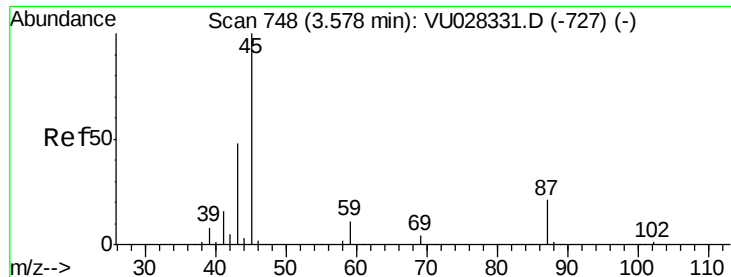
Ion Ratio Lower Upper

117 100

119 94.9 78.2 117.4

121 31.8 24.7 37.1





#31

Isopropyl Ether

Concen: 10.827 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

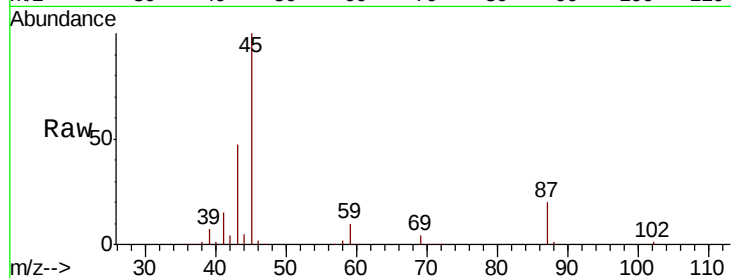
VSTDCCC010

Tot Ion: 45 Resp: 187589

Ion Ratio Lower Upper

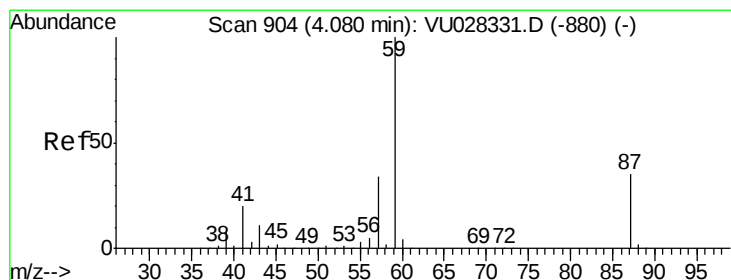
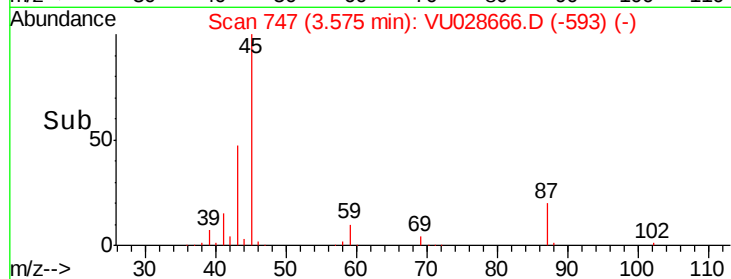
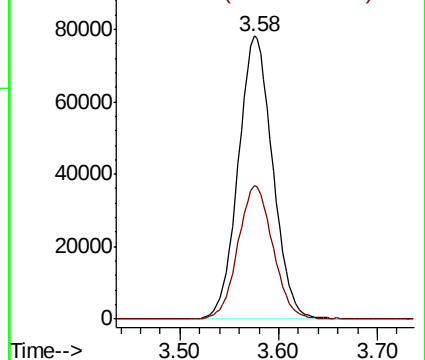
45 100

43 47.7 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 10.727 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028666.D

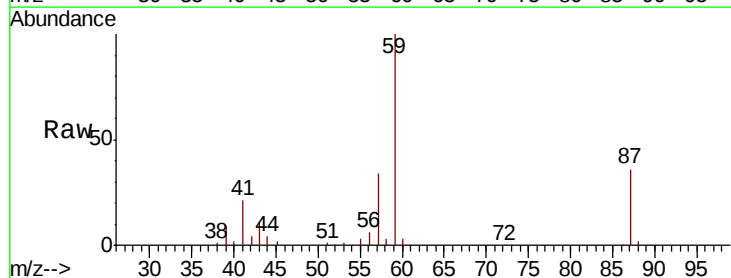
Acq: 13 Dec 2018 09:08

Tgt Ion: 59 Resp: 153080

Ion Ratio Lower Upper

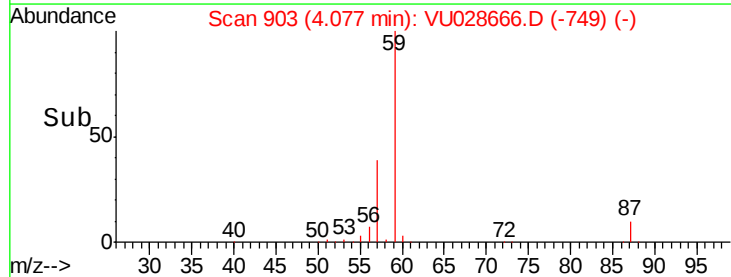
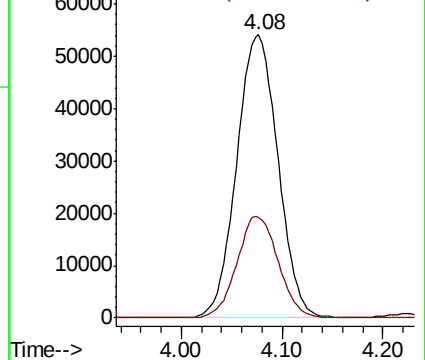
59 100

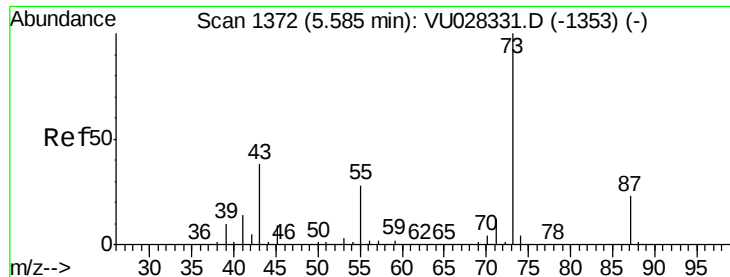
87 35.9 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

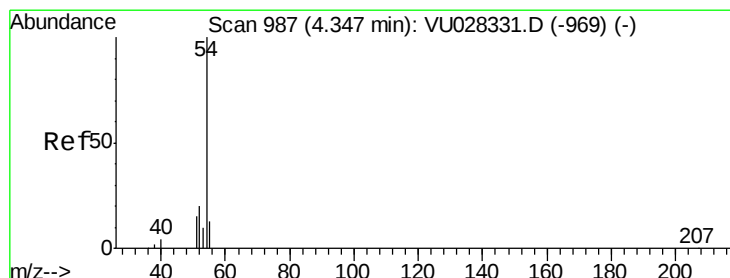
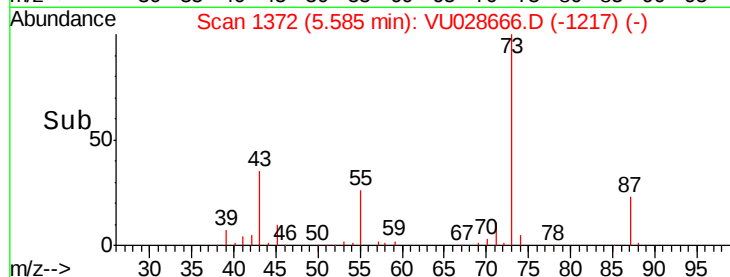
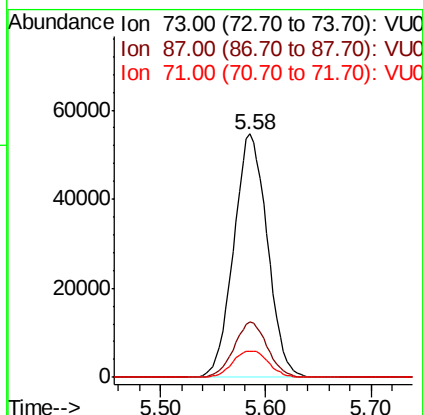
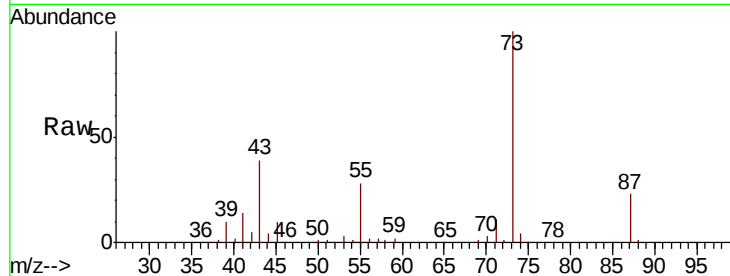




#33
Tert-Butyl methyl ether
Concen: 10.189 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

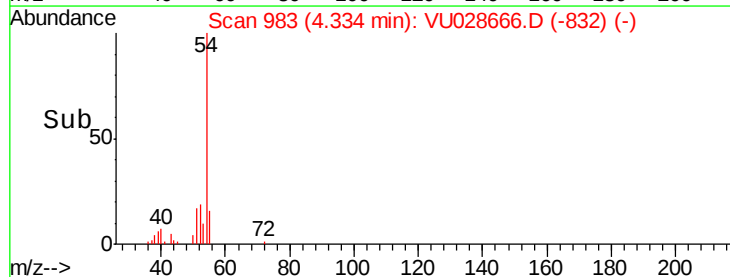
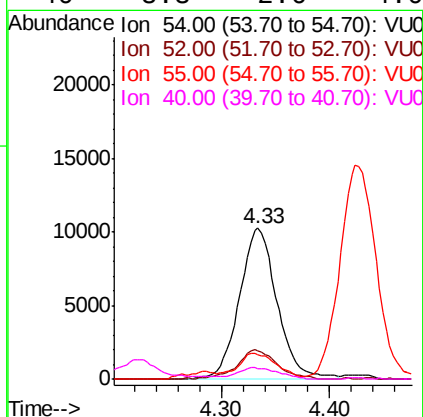
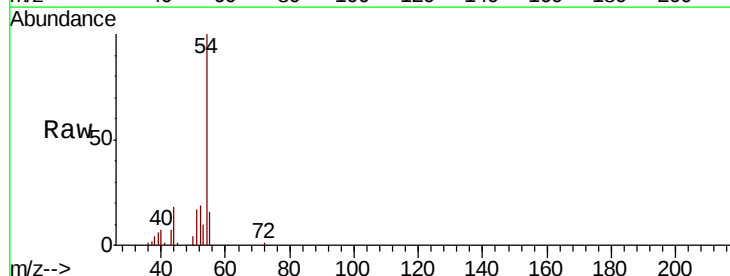
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

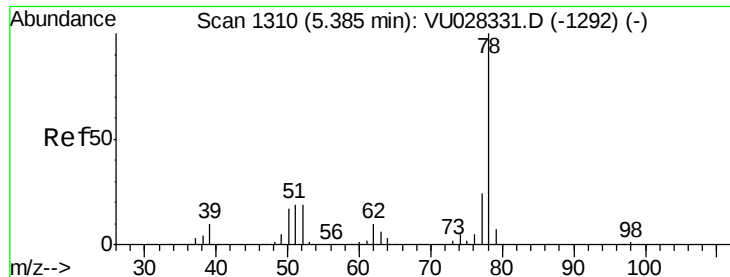
Tot Ion: 73 Resp: 120608
Ion Ratio Lower Upper
73 100
87 22.4 17.6 26.4
71 11.6 9.2 13.8



#34
Propionitrile
Concen: 57.784 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 54 Resp: 24830
Ion Ratio Lower Upper
54 100
52 20.3 16.6 25.0
55 16.9 12.9 19.3
40 8.3 2.6 4.0#





#35

Benzene

Concen: 9.791 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

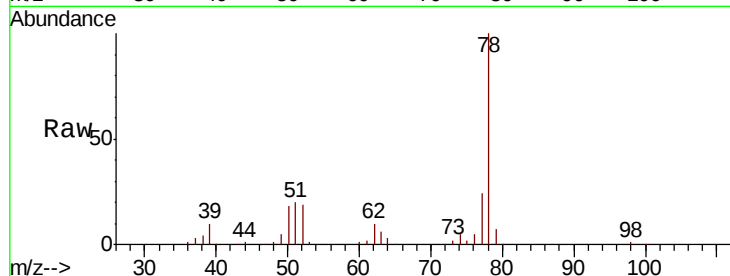
VSTDCCC010

Tot Ion: 78 Resp: 201479

Ion Ratio Lower Upper

78 100

77 23.9 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.38

100000

80000

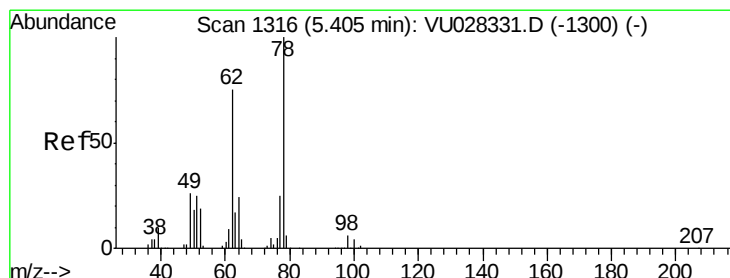
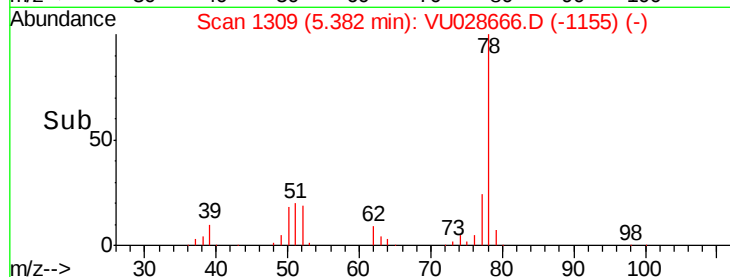
60000

40000

20000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.287 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028666.D

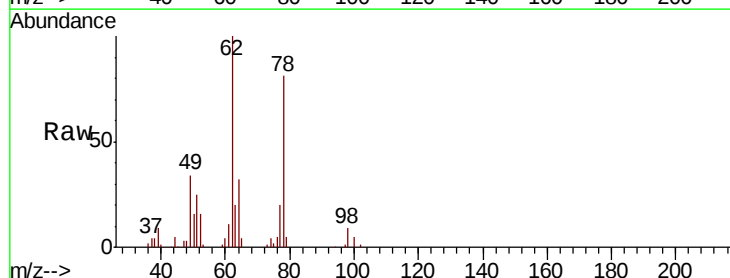
Acq: 13 Dec 2018 09:08

Tgt Ion: 62 Resp: 63312

Ion Ratio Lower Upper

62 100

98 7.6 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

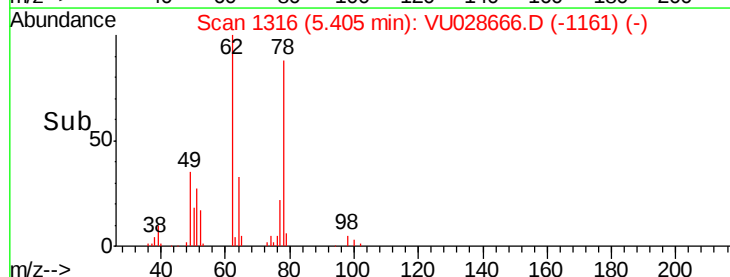
30000

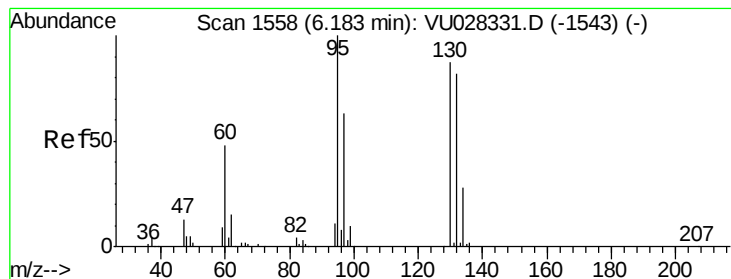
20000

10000

0

Time-->





#37

Trichloroethene

Concen: 10.052 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

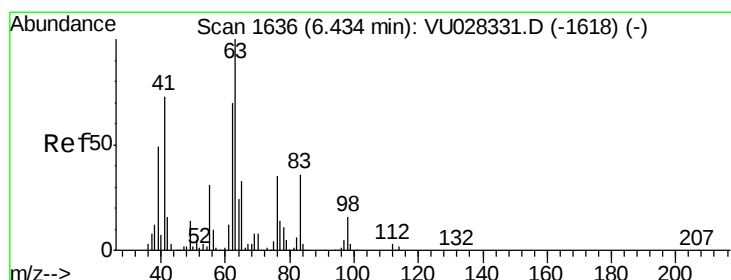
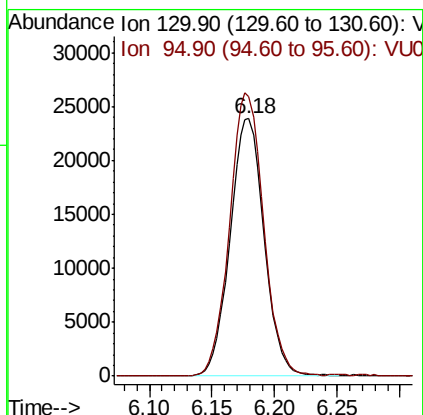
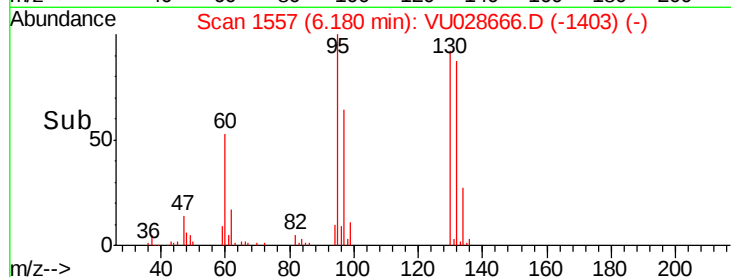
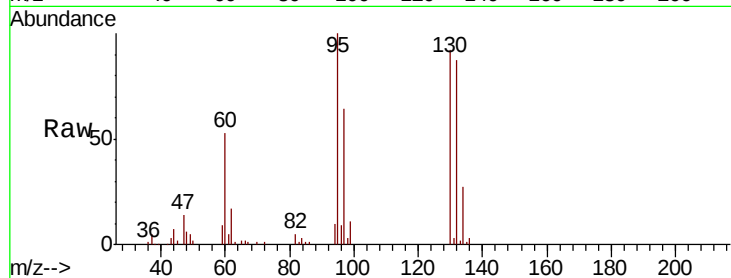
VSTDCCC010

Tot Ion:130 Resp: 45052

Ion Ratio Lower Upper

130 100

95 108.4 91.5 137.3



#38

1,2-Dichloropropane

Concen: 10.160 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028666.D

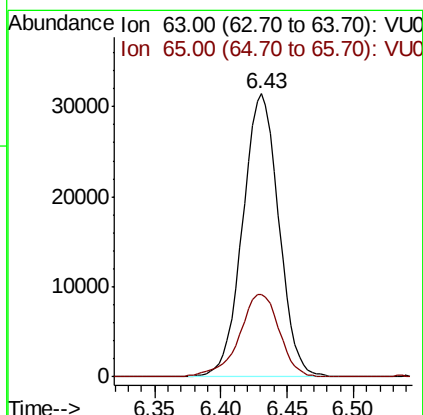
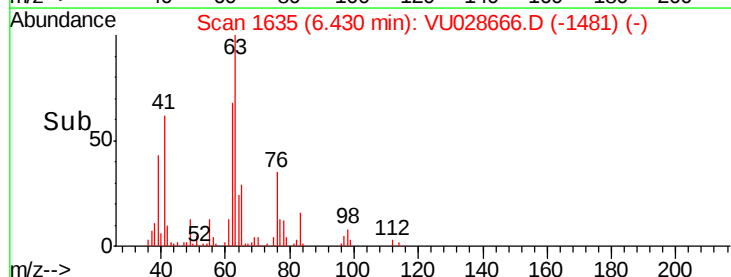
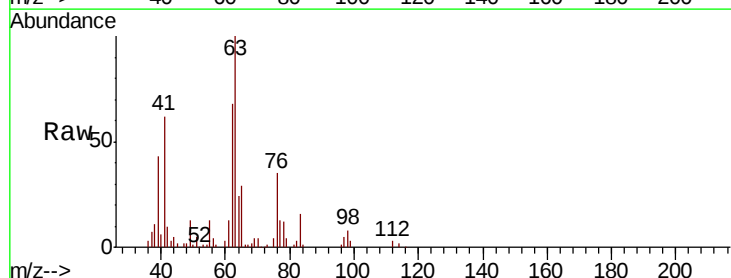
Acq: 13 Dec 2018 09:08

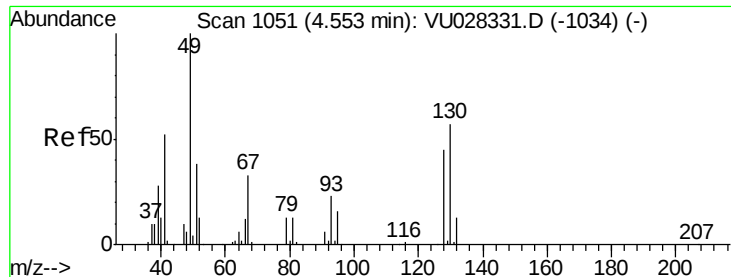
Tgt Ion: 63 Resp: 59621

Ion Ratio Lower Upper

63 100

65 29.1 26.2 39.4

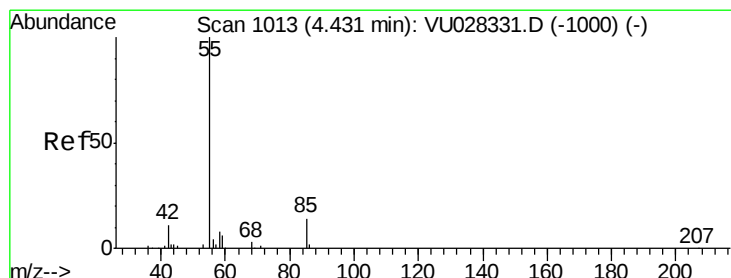
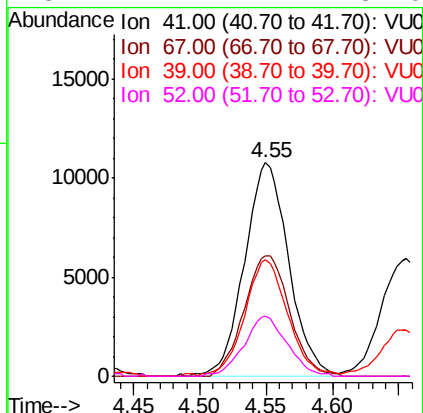
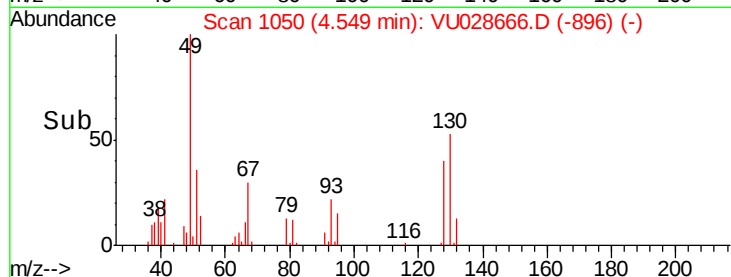
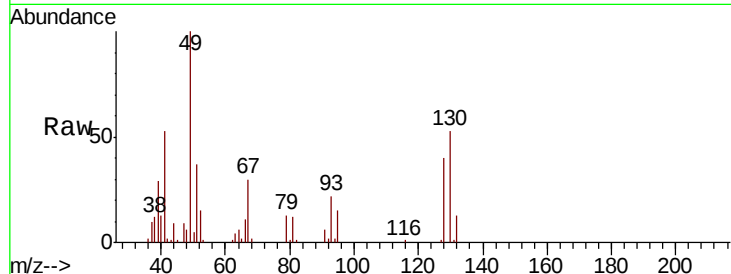




#39
Methacrylonitrile
Concen: 10.875 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

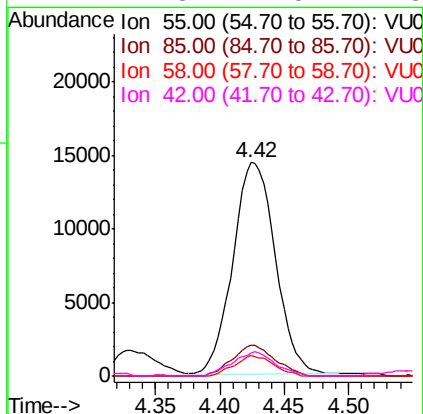
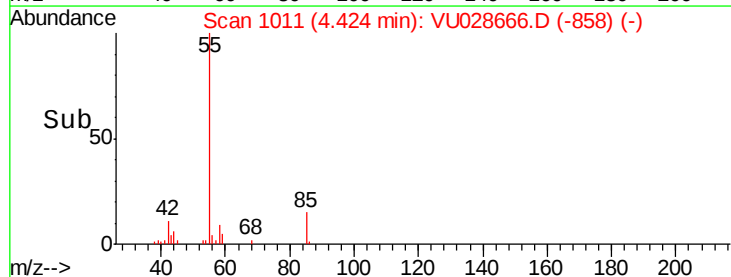
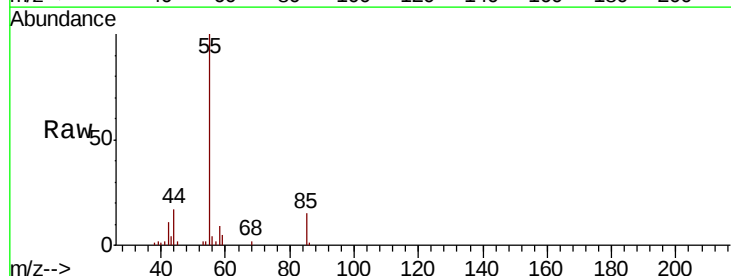
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

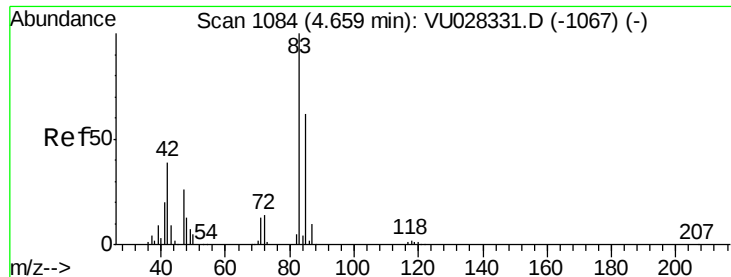
Tot Ion:	41	Resp:	25031
Ion	Ratio	Lower	Upper
41	100		
67	58.2	48.2	72.4
39	53.3	42.9	64.3
52	27.7	21.4	32.0



#40
Methyl acrylate
Concen: 10.466 ug/l
RT: 4.42 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion:	55	Resp:	33141
Ion	Ratio	Lower	Upper
55	100		
85	14.5	10.9	16.3
58	8.8	6.4	9.6
42	11.3	7.5	11.3#





#41

Tetrahydrofuran

Concen: 21.834 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

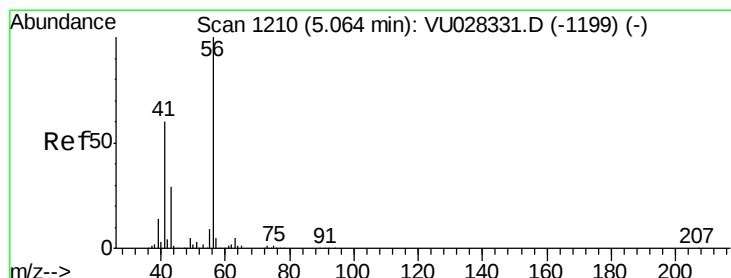
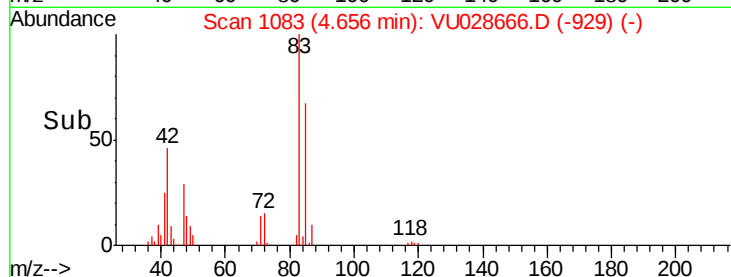
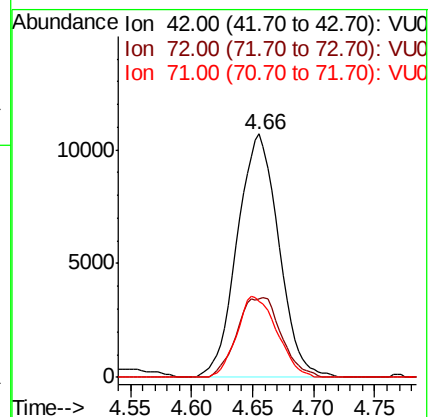
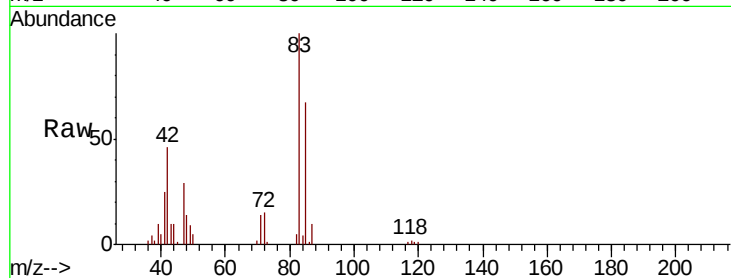
Tot Ion: 42 Resp: 25261

Ion Ratio Lower Upper

42 100

72 34.7 29.8 44.6

71 32.0 25.9 38.9



#42

1-Chlorobutane

Concen: 9.990 ug/l

RT: 5.06 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VU028666.D

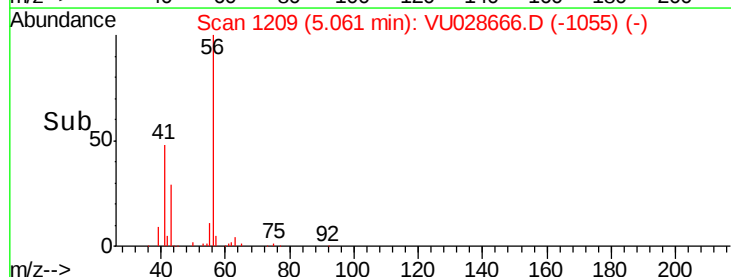
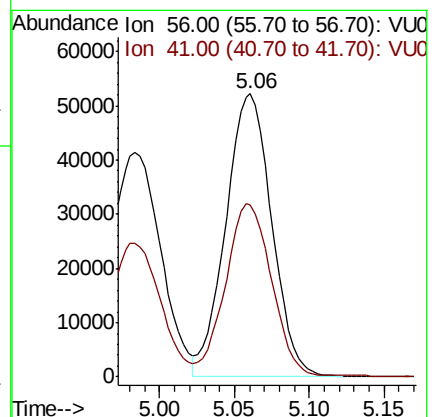
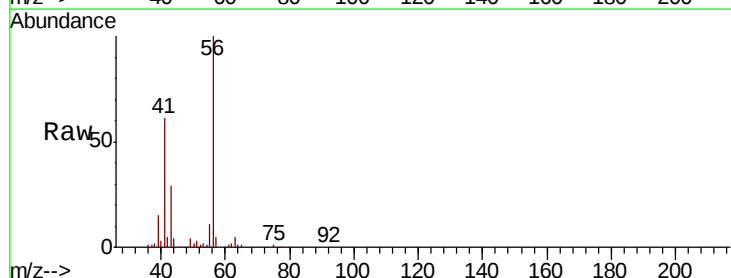
Acq: 13 Dec 2018 09:08

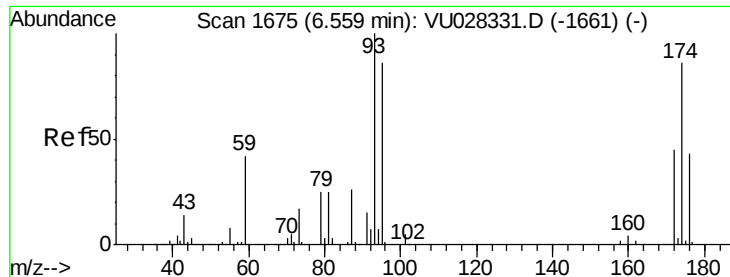
Tgt Ion: 56 Resp: 111006

Ion Ratio Lower Upper

56 100

41 60.9 29.8 89.3





#43

Dibromomethane

Concen: 10.161 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

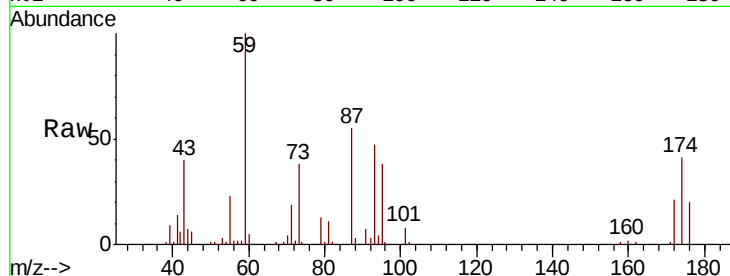
Tot Ion: 93 Resp: 25383

Ion Ratio Lower Upper

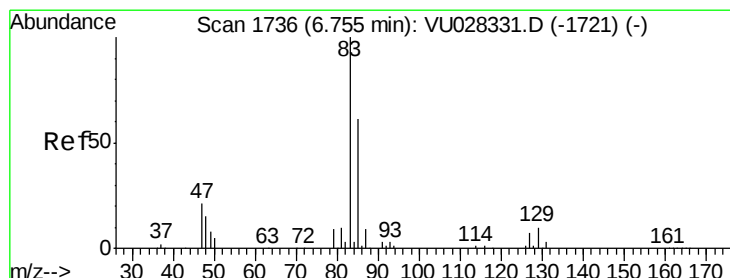
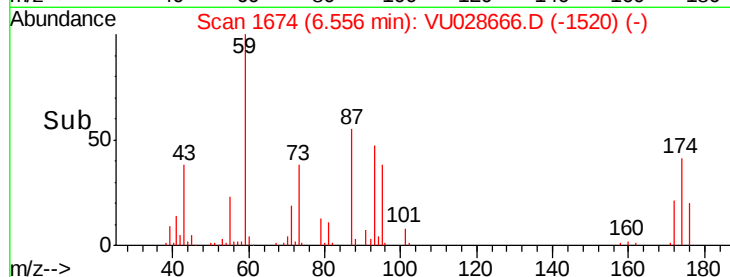
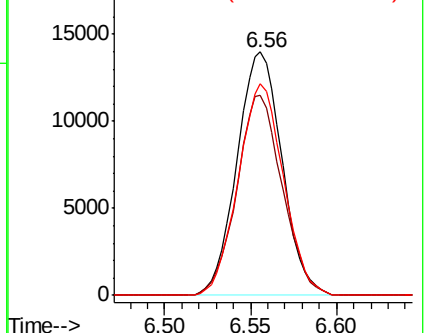
93 100

95 82.8 66.6 99.8

174 87.2 69.4 104.2



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 9.937 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

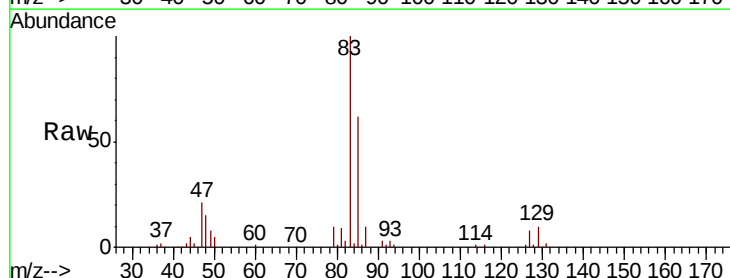
Tgt Ion: 83 Resp: 65546

Ion Ratio Lower Upper

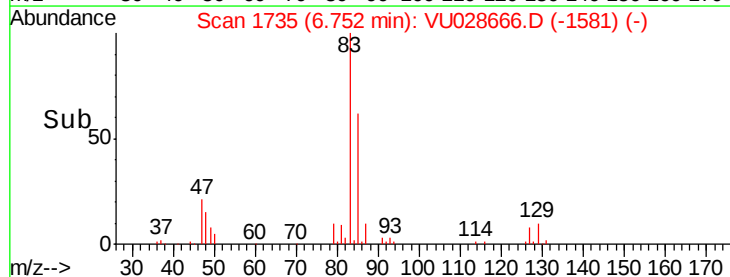
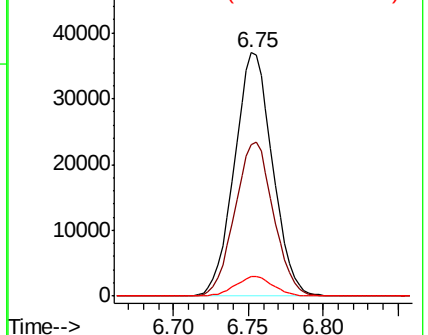
83 100

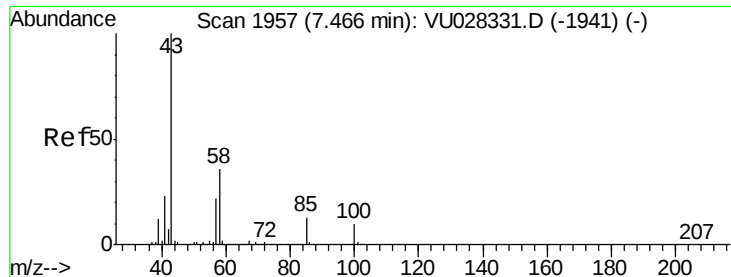
85 62.5 49.0 73.6

127 7.8 5.7 8.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

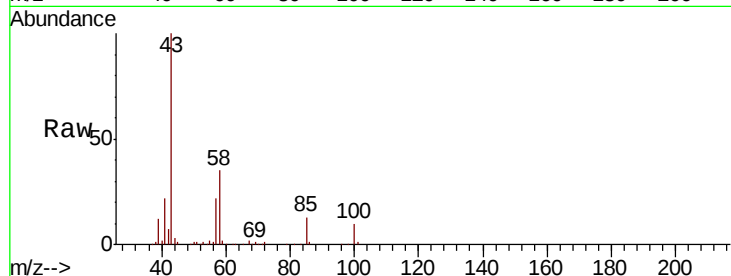




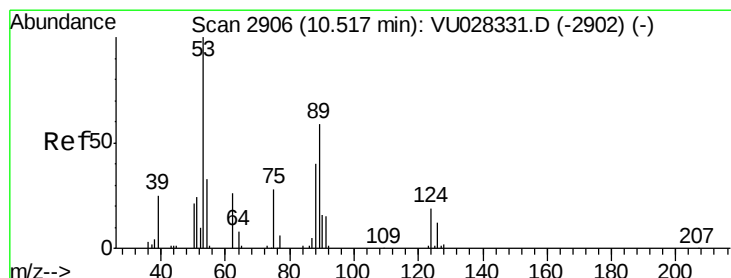
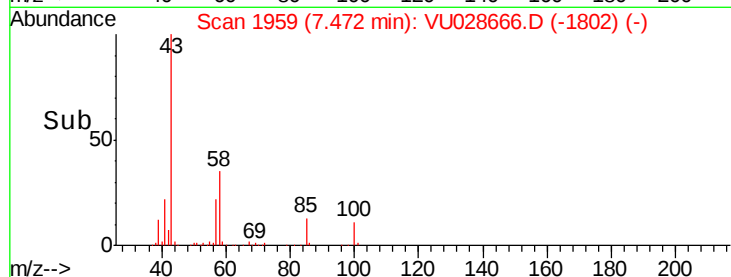
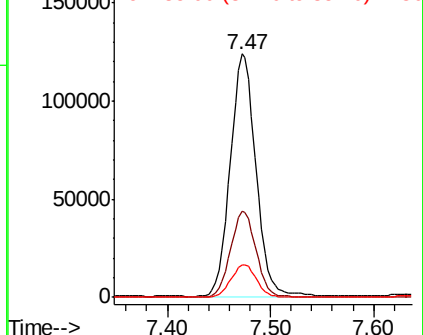
#45
4-Methyl-2-Pentanone
Concen: 53.405 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	17.9	53.7
85	13.5	10.8	16.2

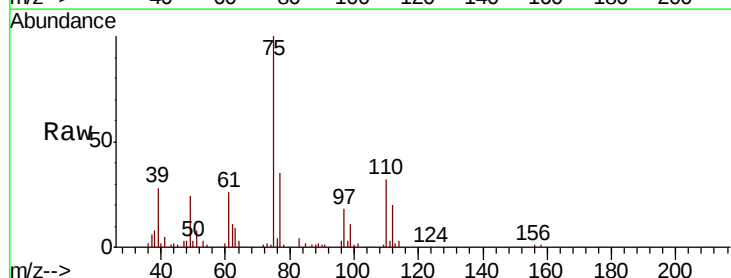


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

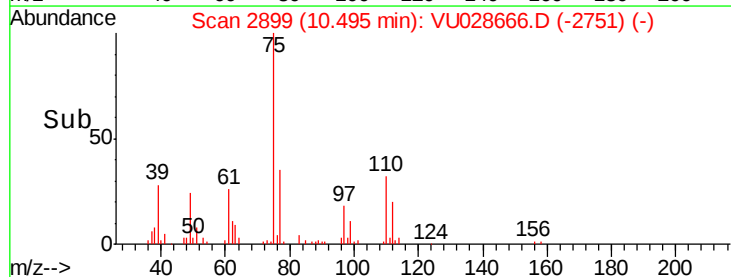
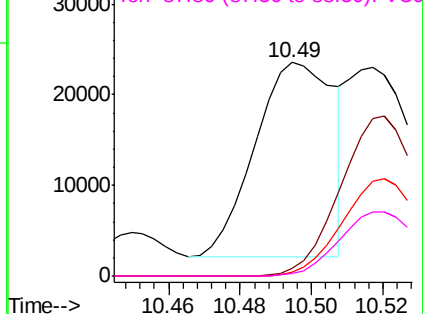


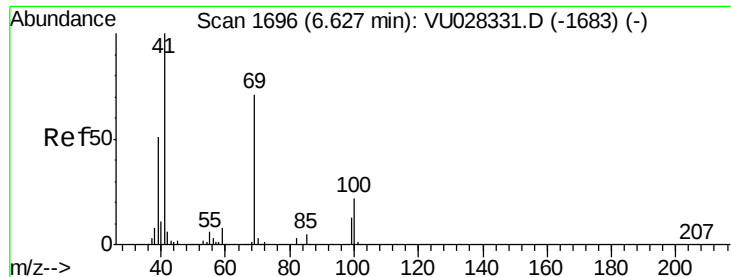
#46
t-1,4-Dichloro-2-butene
Concen: 22.362 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	82.5	65.0	97.6
89	50.3	38.6	58.0
88	34.0	27.3	40.9



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

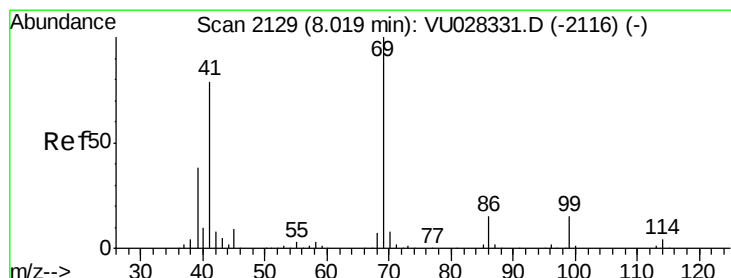
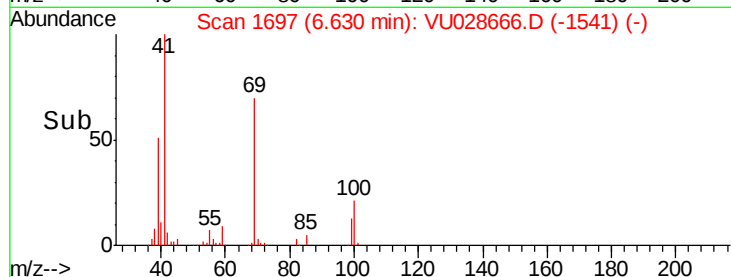
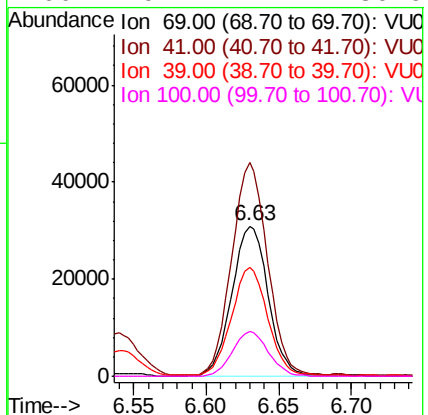
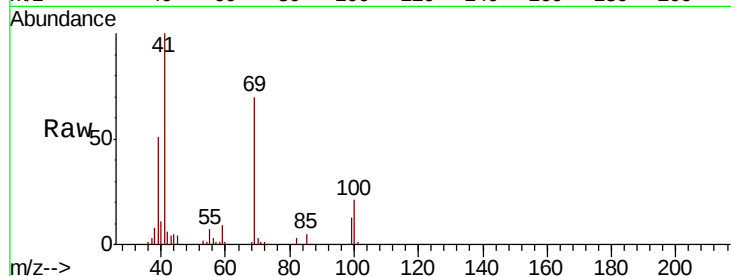




#47
Methyl methacrylate
Concen: 21.189 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

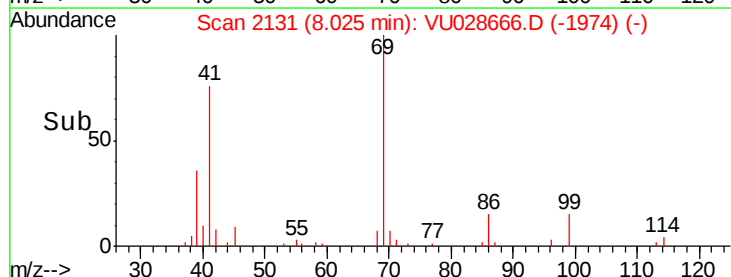
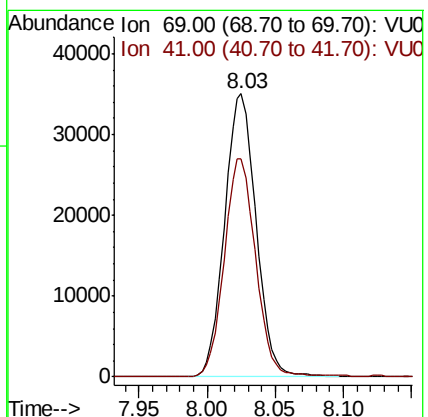
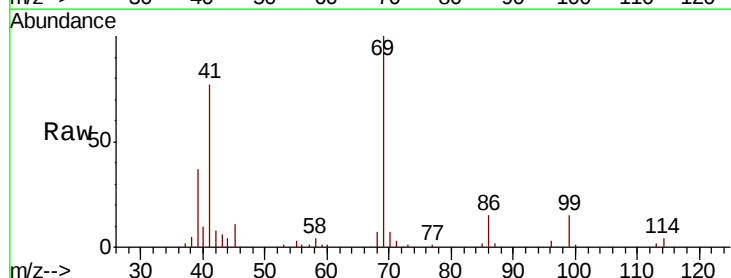
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

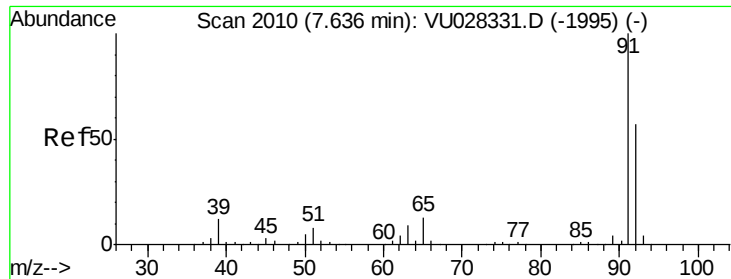
Tot Ion: 69 Resp: 54029
Ion Ratio Lower Upper
69 100
41 139.4 0.0 277.2
39 71.9 57.6 86.4
100 29.4 24.4 36.6



#48
Ethyl methacrylate
Concen: 11.046 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 69 Resp: 56342
Ion Ratio Lower Upper
69 100
41 76.8 39.4 118.2





#49

Toluene

Concen: 10.517 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

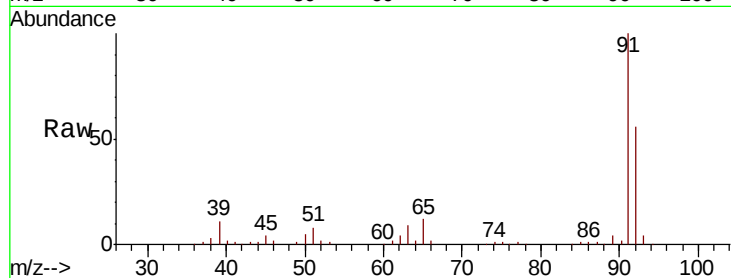
VSTDCCC010

Tot Ion: 92 Resp: 120187

Ion Ratio Lower Upper

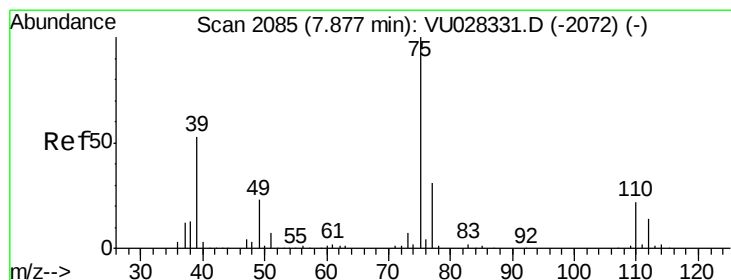
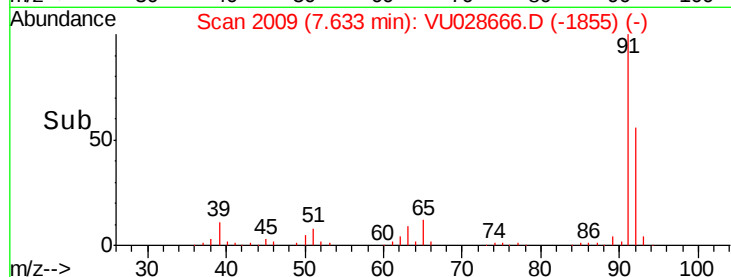
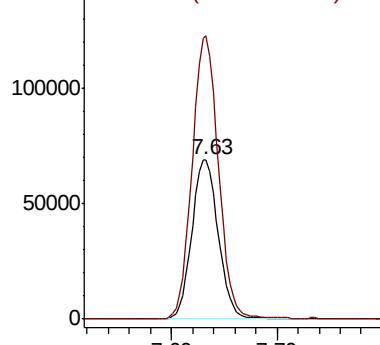
92 100

91 175.6 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 10.575 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028666.D

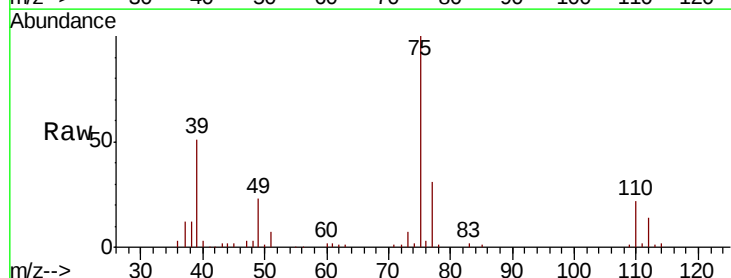
Acq: 13 Dec 2018 09:08

Tgt Ion: 75 Resp: 67001

Ion Ratio Lower Upper

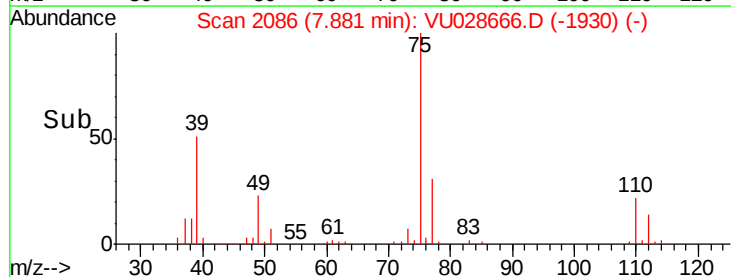
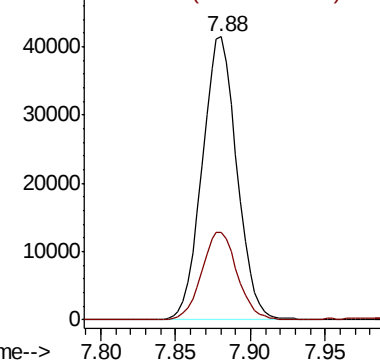
75 100

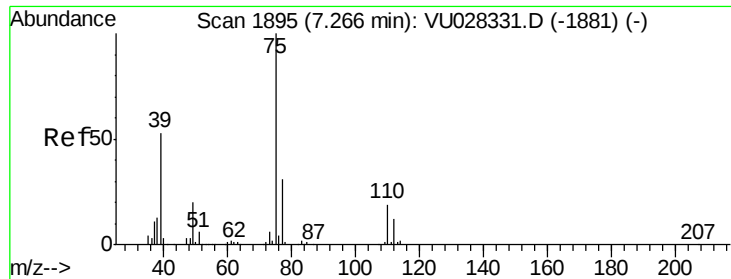
77 31.1 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene

Concen: 10.488 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

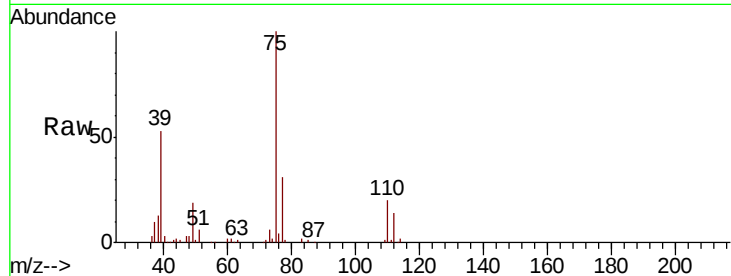
Tot Ion: 75 Resp: 82053

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

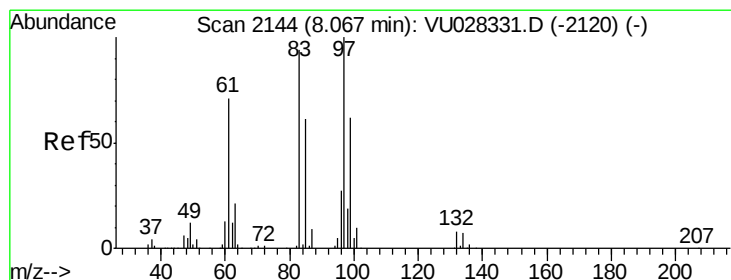
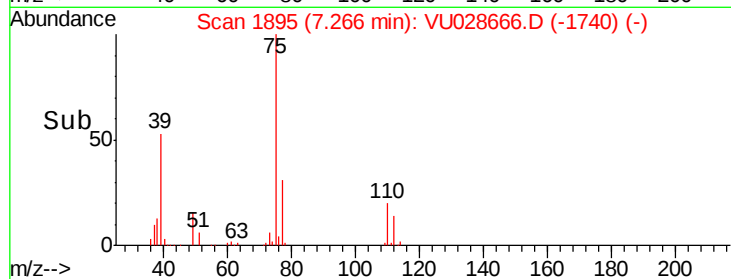
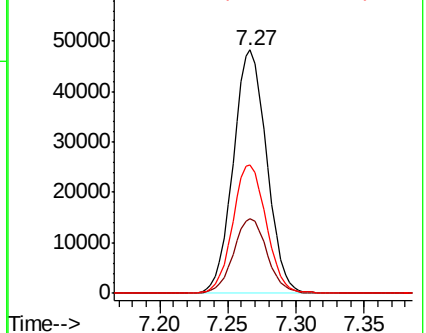
39 52.9 42.8 64.2



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-1881) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-1881) (-)

Ion 39.00 (38.70 to 39.70): VU028331.D (-1881) (-)



#52

1,1,2-Trichloroethane

Concen: 10.479 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion: 97 Resp: 36752

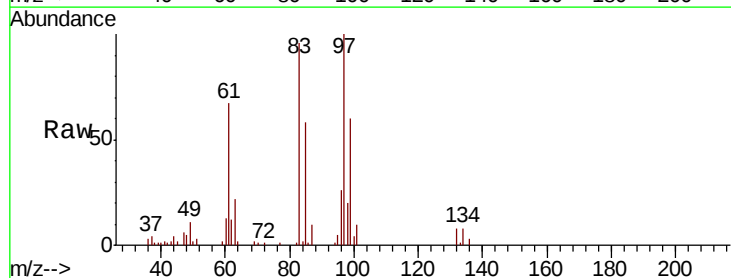
Ion Ratio Lower Upper

97 100

83 95.6 75.1 112.7

85 57.6 48.7 73.1

99 60.0 49.6 74.4

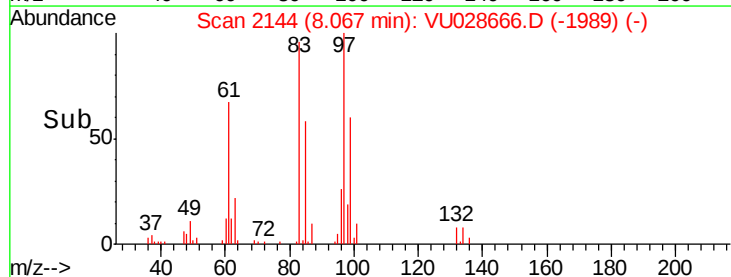
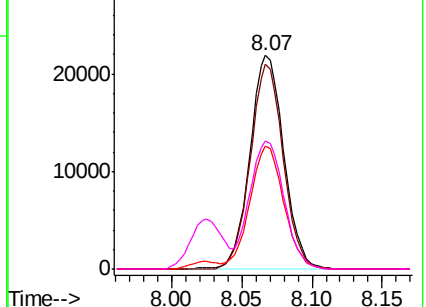


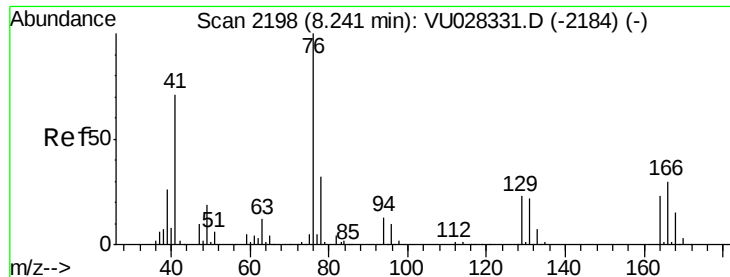
Abundance Ion 97.00 (96.70 to 97.70): VU028331.D (-2120) (-)

Ion 82.95 (82.65 to 83.65): VU028331.D (-2120) (-)

Ion 84.95 (84.65 to 85.65): VU028331.D (-2120) (-)

Ion 98.95 (98.65 to 99.65): VU028331.D (-2120) (-)





#53

1,3-Dichloropropane

Concen: 10.436 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

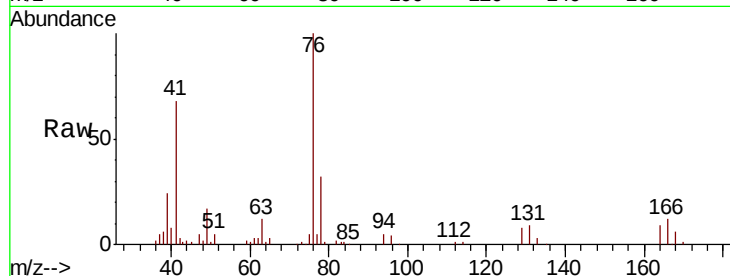
VSTDCCC010

Tot Ion: 76 Resp: 68371

Ion Ratio Lower Upper

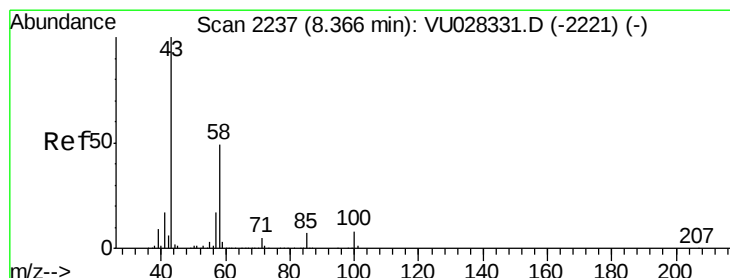
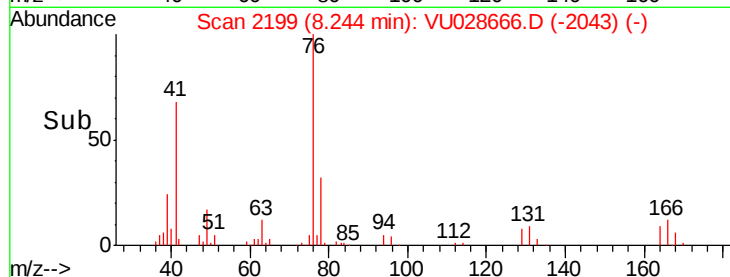
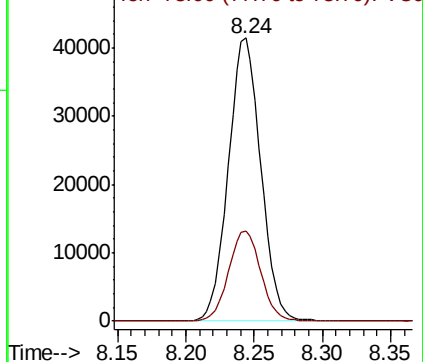
76 100

78 31.6 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 53.605 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

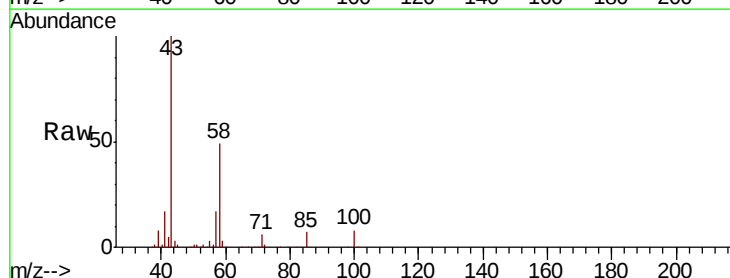
Tgt Ion: 43 Resp: 154731

Ion Ratio Lower Upper

43 100

58 49.8 29.3 69.3

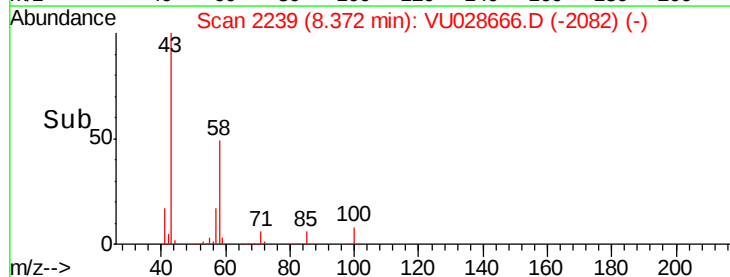
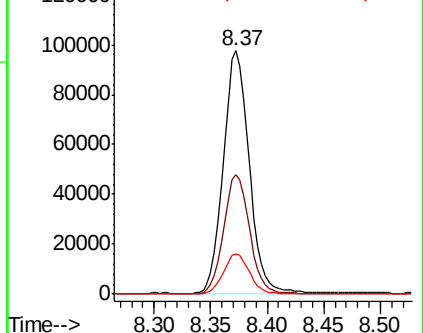
57 16.7 0.0 36.8

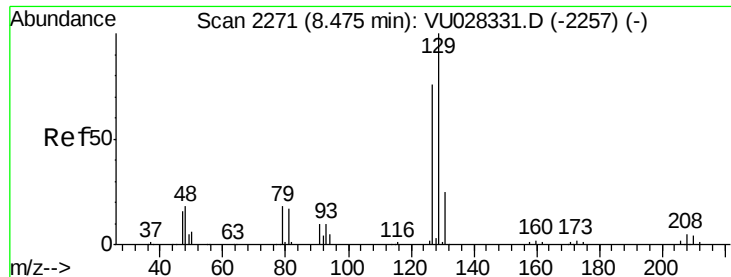


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 10.845 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

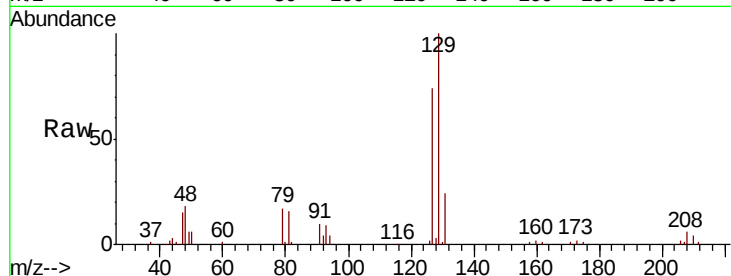
VSTDCCC010

Tot Ion:129 Resp: 40457

Ion Ratio Lower Upper

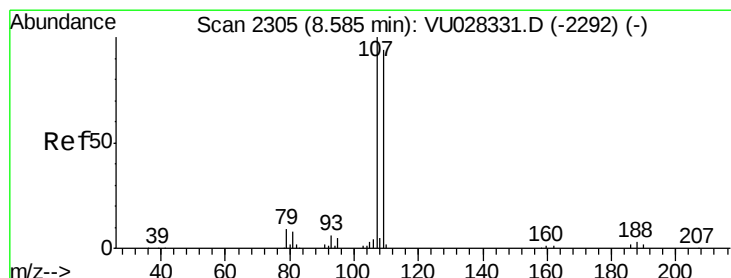
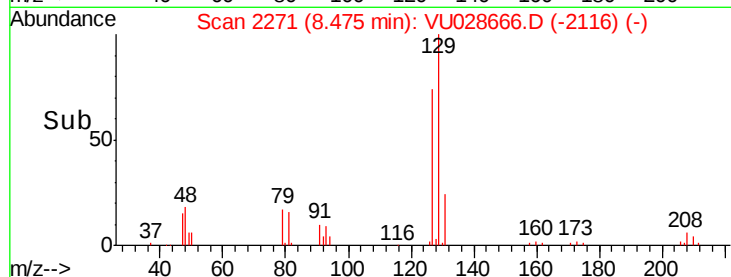
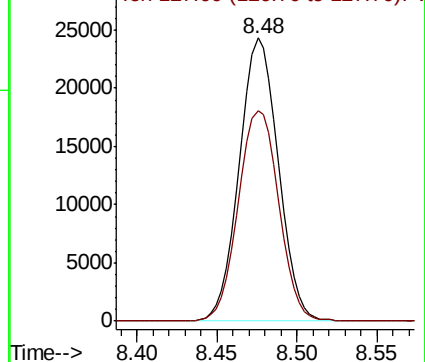
129 100

127 77.3 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.797 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028666.D

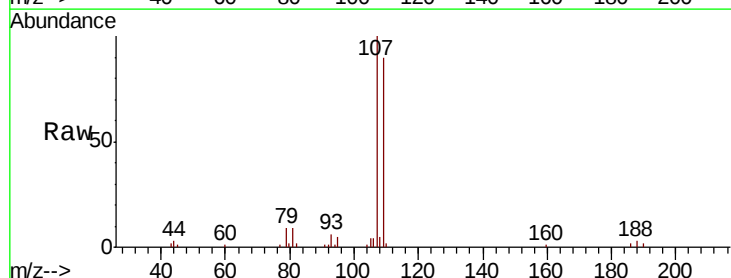
Acq: 13 Dec 2018 09:08

Tgt Ion:107 Resp: 34494

Ion Ratio Lower Upper

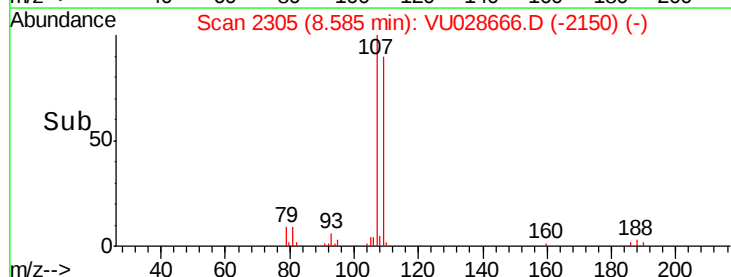
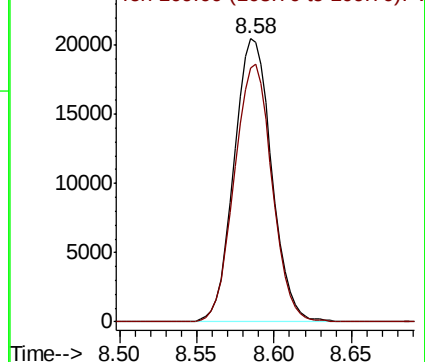
107 100

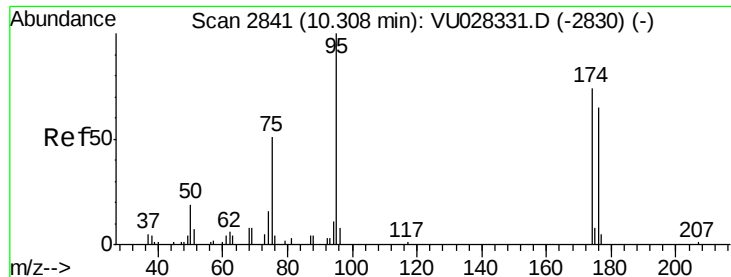
109 91.2 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

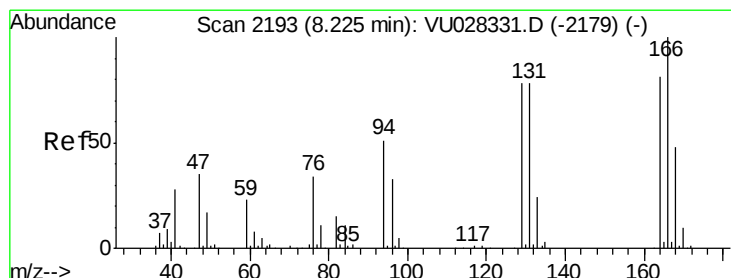
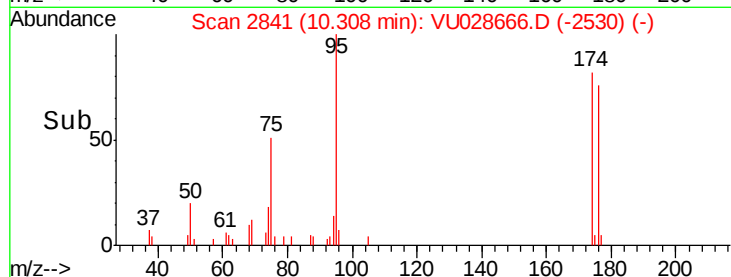
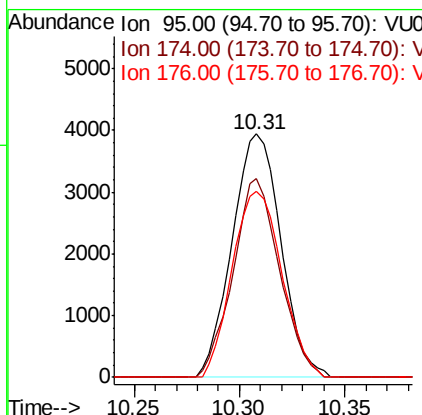
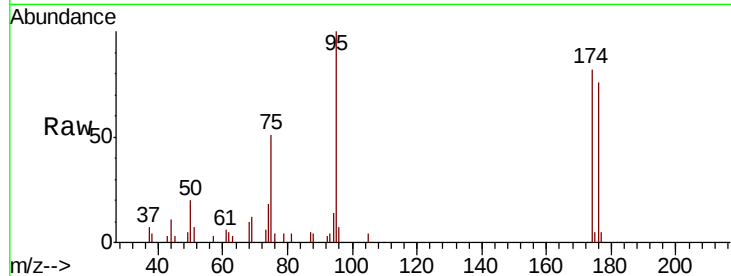




#57
4-Bromofluorobenzene
Concen: 10.797 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

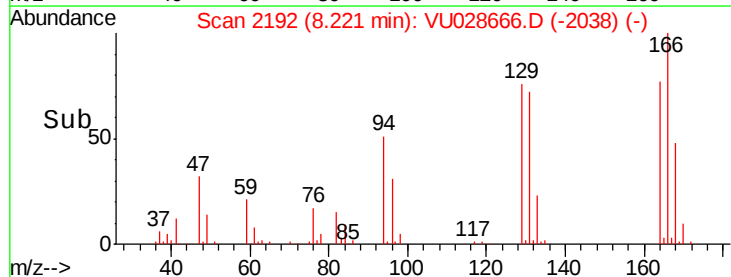
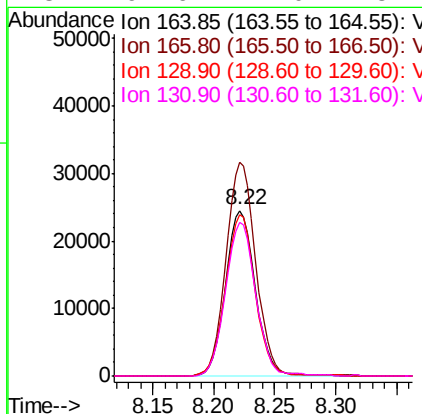
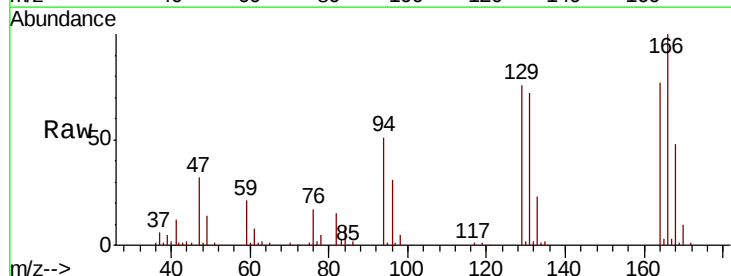
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

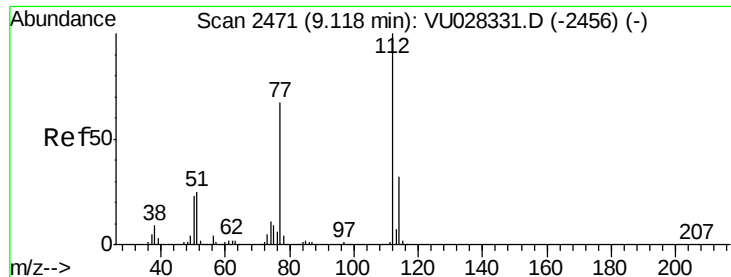
Tot Ion: 95 Resp: 6356
Ion Ratio Lower Upper
95 100
174 77.5 59.3 88.9
176 77.9 54.3 81.5



#58
Tetrachloroethene
Concen: 10.221 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 164 Resp: 41944
Ion Ratio Lower Upper
164 100
166 129.1 98.6 148.0
129 97.6 77.0 115.4
131 92.6 77.0 115.4

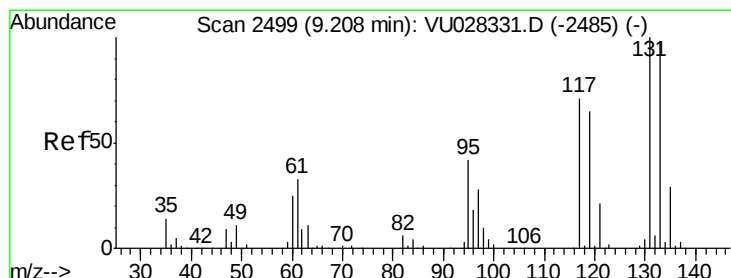
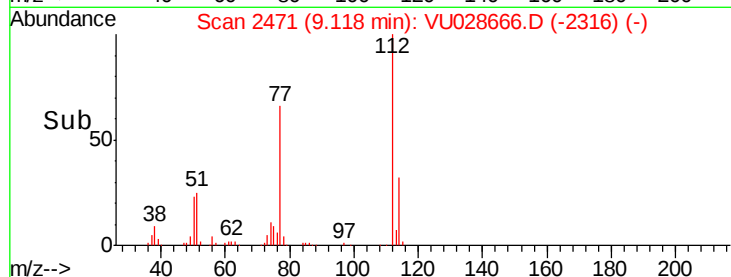
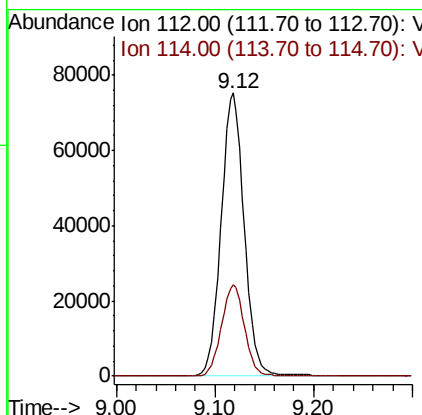
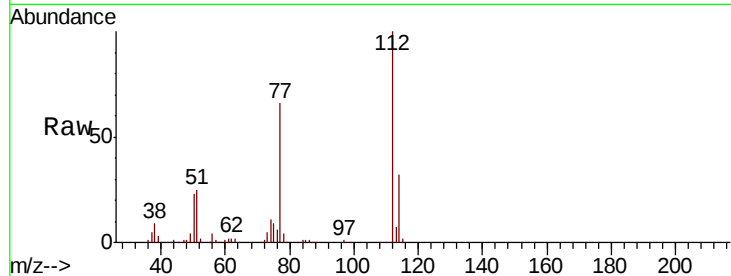




#59
Chlorobenzene
Concen: 10.428 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

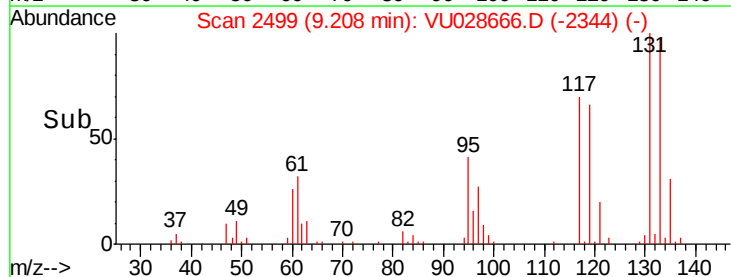
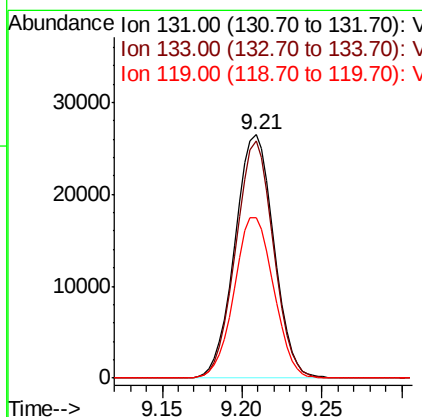
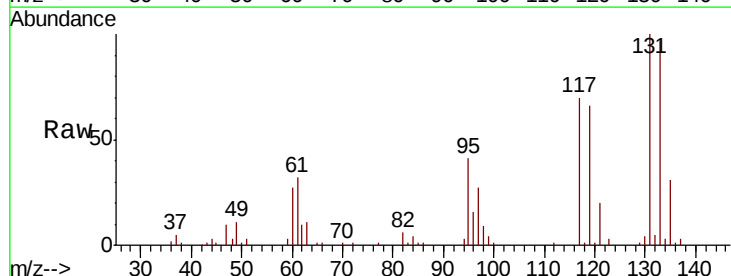
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

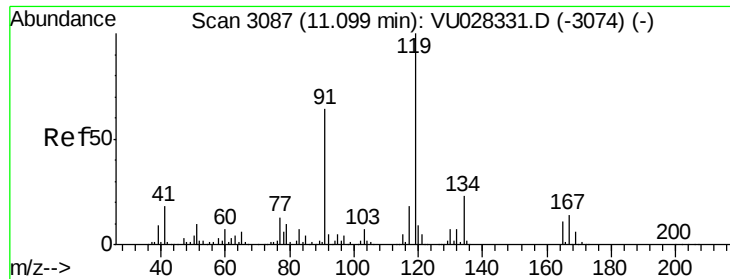
Tot Ion:112 Resp: 124005
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 10.926 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion:131 Resp: 44032
Ion Ratio Lower Upper
131 100
133 94.0 77.7 116.5
119 66.5 54.3 81.5

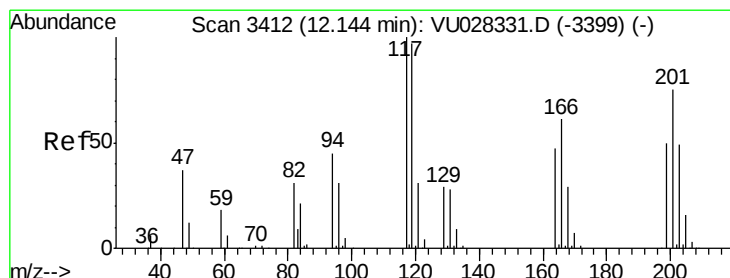
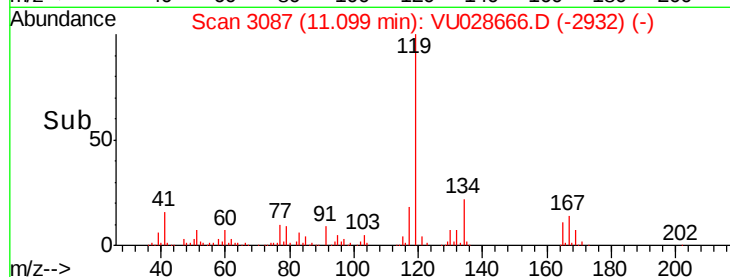
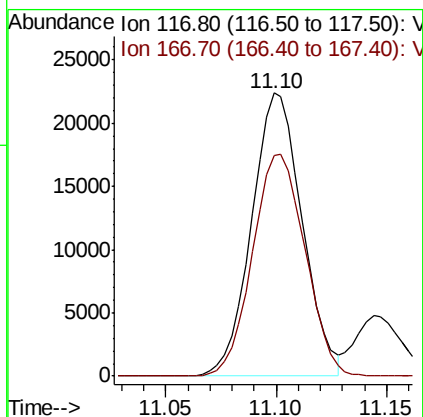
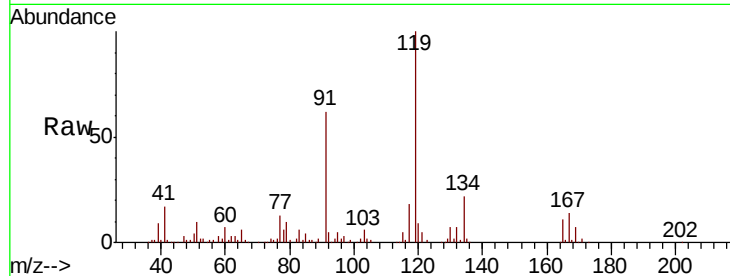




#61
 Pentachloroethane
 Concen: 11.367 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

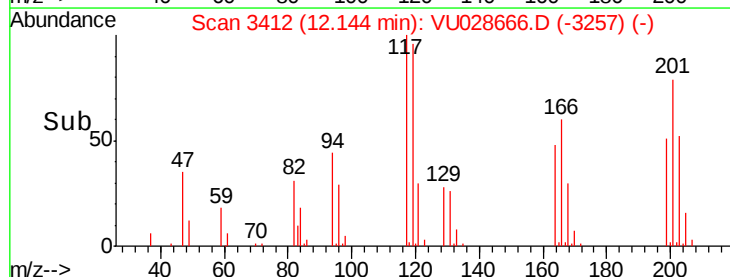
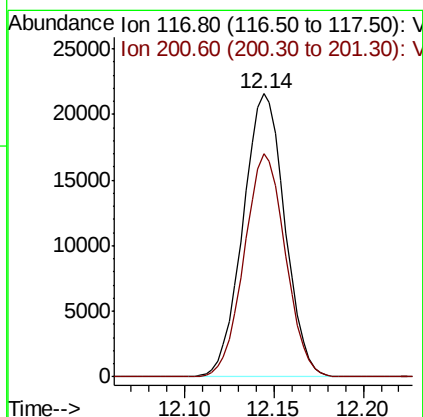
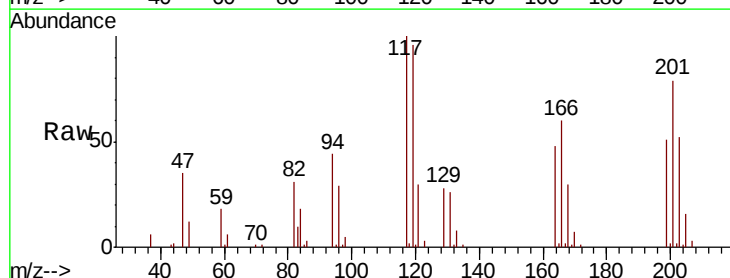
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

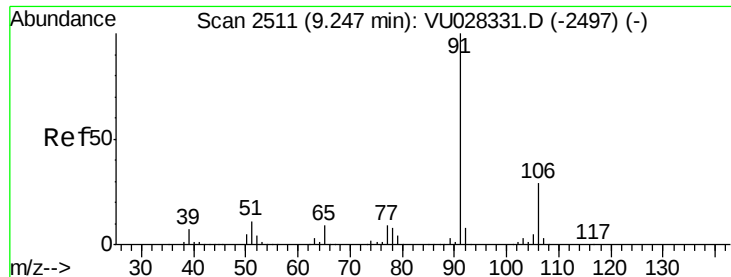
Tot Ion:117 Resp: 35646
 Ion Ratio Lower Upper
 117 100
 167 81.3 64.2 96.2



#62
 Hexachloroethane
 Concen: 12.024 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion:117 Resp: 35335
 Ion Ratio Lower Upper
 117 100
 201 77.7 59.4 89.2





#63

Ethyl Benzene

Concen: 10.807 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

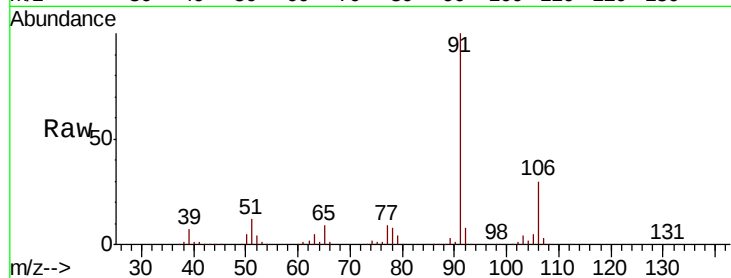
VSTDCCC010

Tot Ion: 91 Resp: 237141

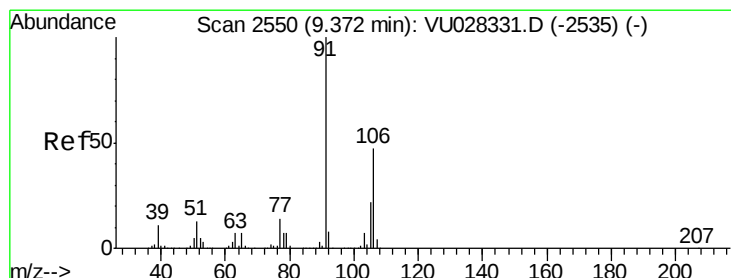
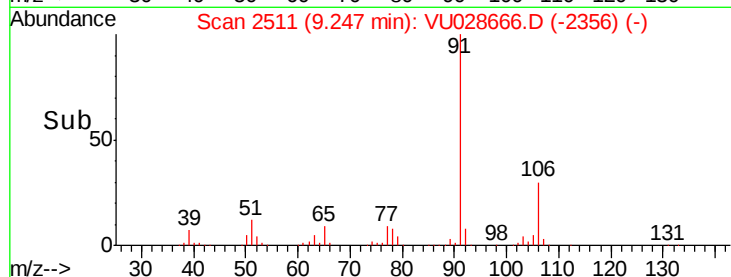
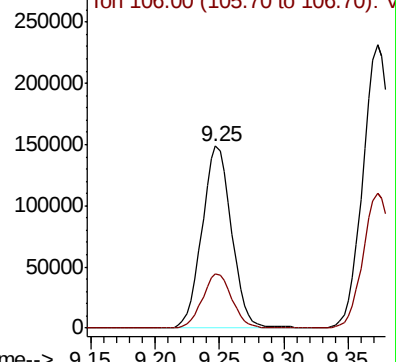
Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VU028331.D (-2497) (-)



#64

m/p-Xylenes

Concen: 22.231 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028666.D

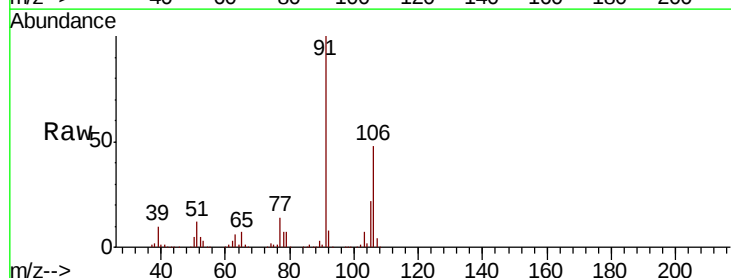
Acq: 13 Dec 2018 09:08

Tgt Ion: 106 Resp: 176533

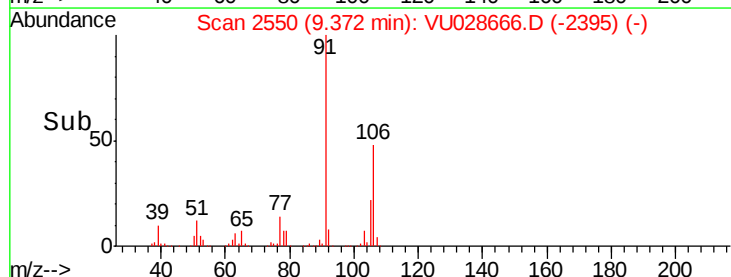
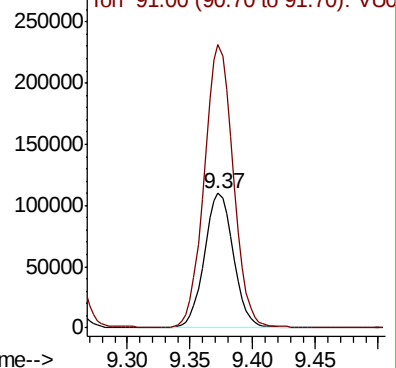
Ion Ratio Lower Upper

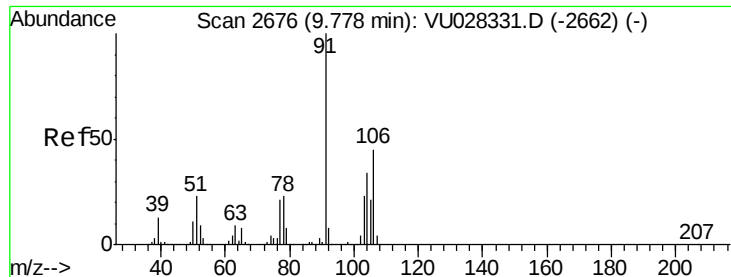
106 100

91 210.9 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): VU028331.D (-2535) (-)





#65

o-Xylene

Concen: 11.206 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

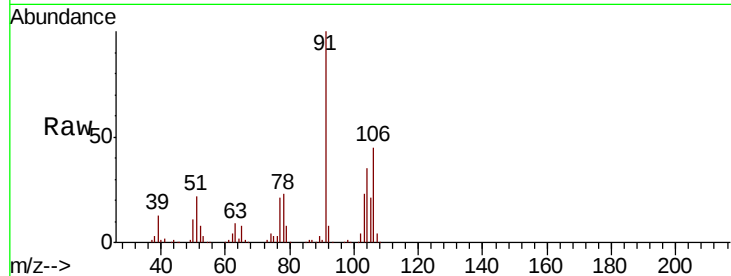
VSTDCCC010

Tot Ion:106 Resp: 85865

Ion Ratio Lower Upper

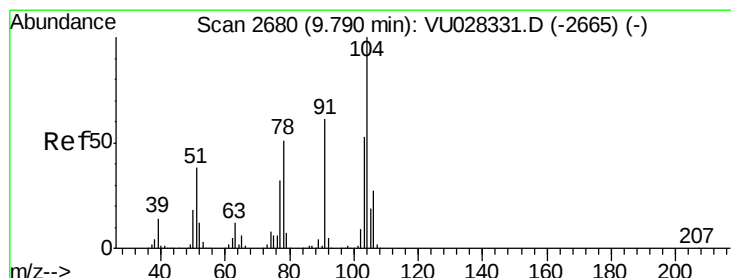
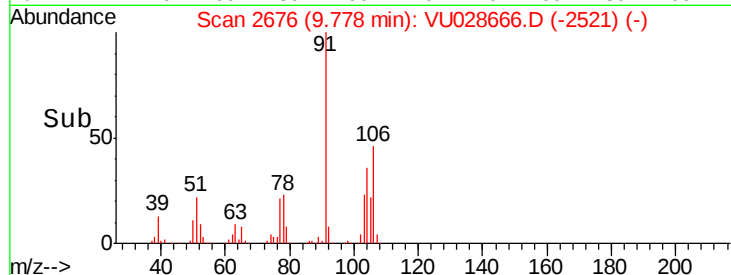
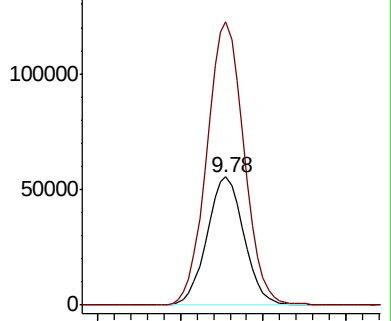
106 100

91 222.6 112.3 337.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.490 ug/l

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

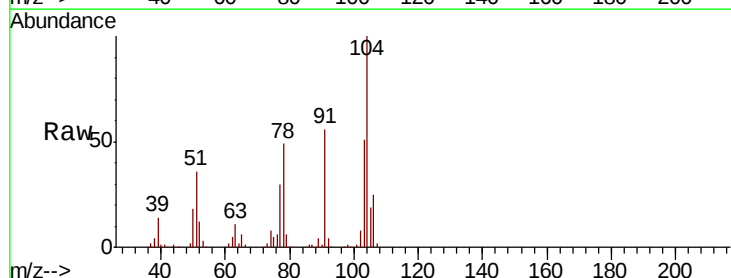
Tgt Ion:104 Resp: 151018

Ion Ratio Lower Upper

104 100

78 52.7 44.0 66.0

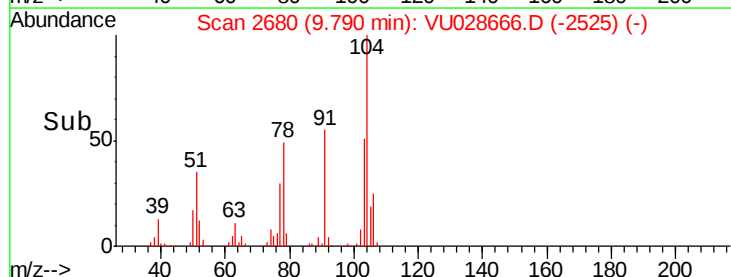
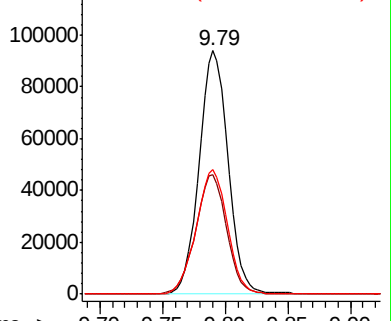
103 55.0 45.2 67.8

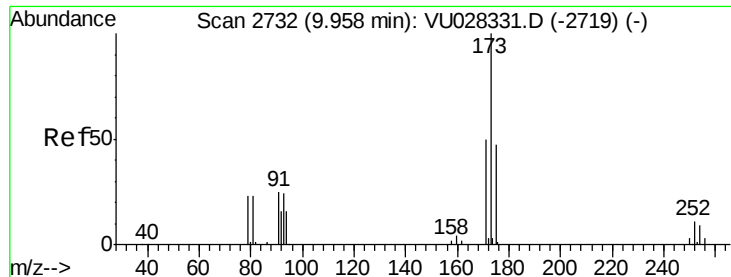


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 11.250 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

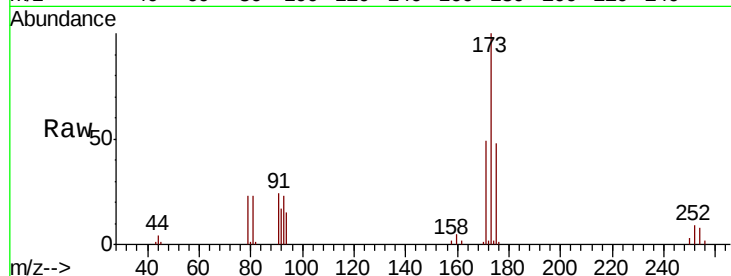
Tot Ion:173 Resp: 23521

Ion Ratio Lower Upper

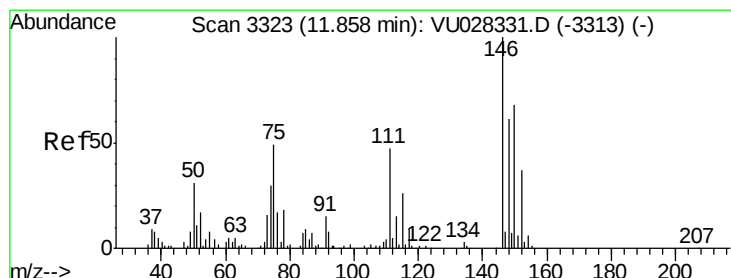
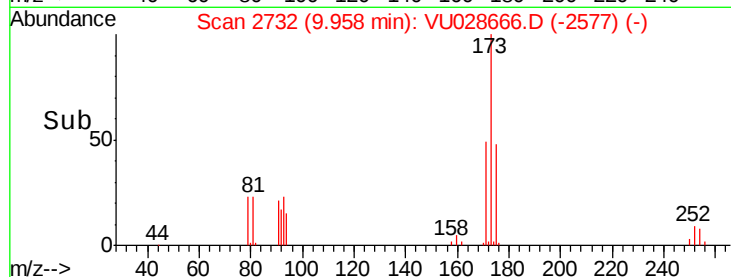
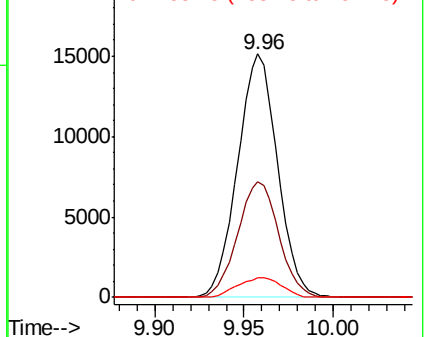
173 100

175 49.0 39.0 58.6

254 9.0 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 11.250 ug/l

RT: 11.86 min Scan# 3323

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

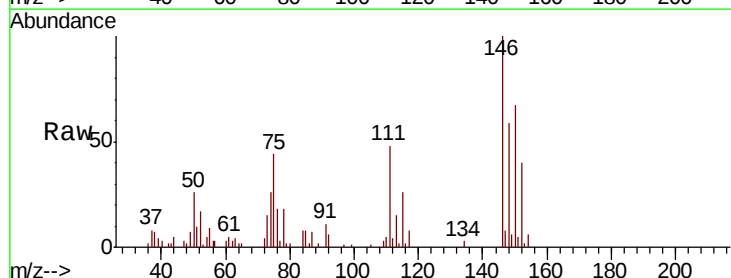
Tgt Ion:152 Resp: 5938

Ion Ratio Lower Upper

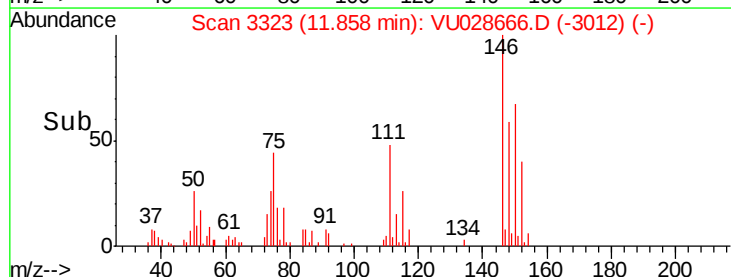
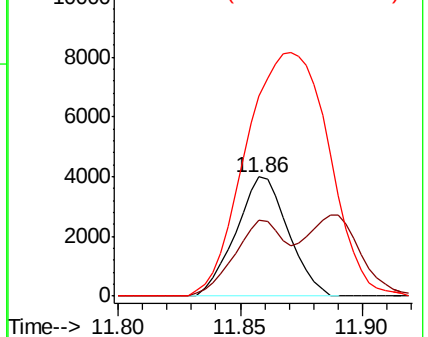
152 100

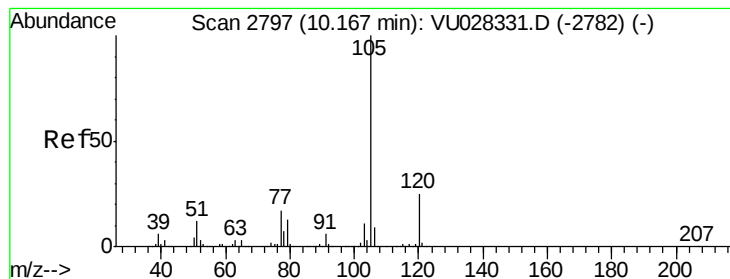
115 61.5 0.0 146.8

150 324.5 0.0 653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.060 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

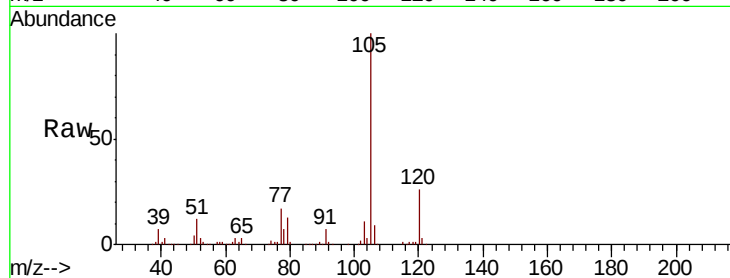
VSTDCCC010

Tot Ion:105 Resp: 226935

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

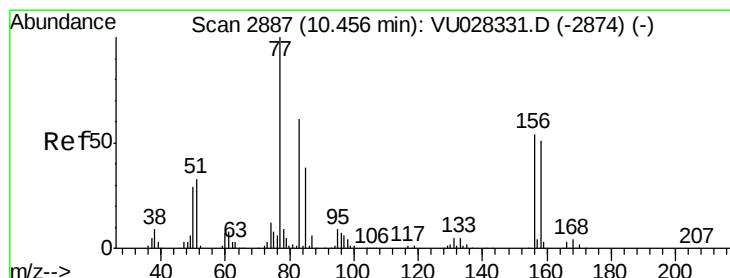
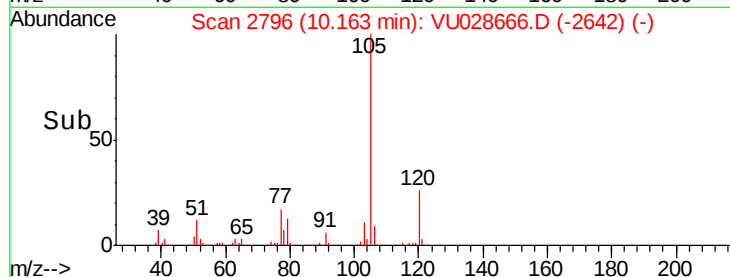
150000

100000

50000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 11.052 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

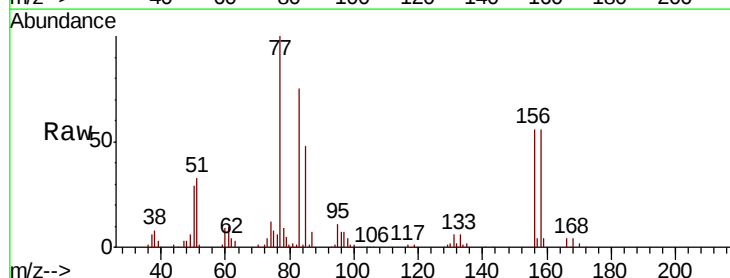
Tgt Ion: 83 Resp: 51996

Ion Ratio Lower Upper

83 100

131 8.5 6.6 9.8

85 63.3 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.46

40000

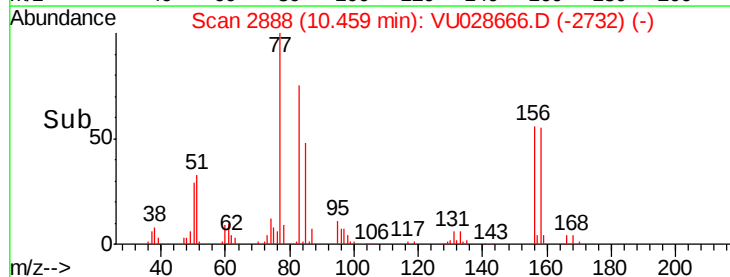
30000

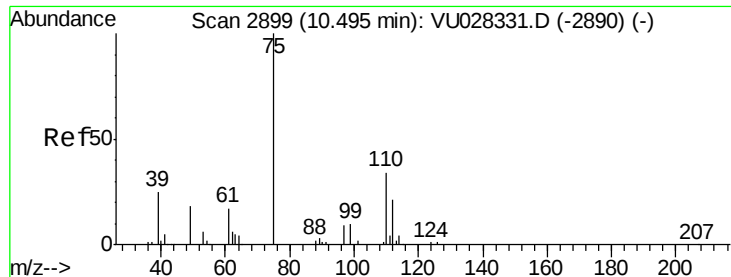
20000

10000

0

Time-->

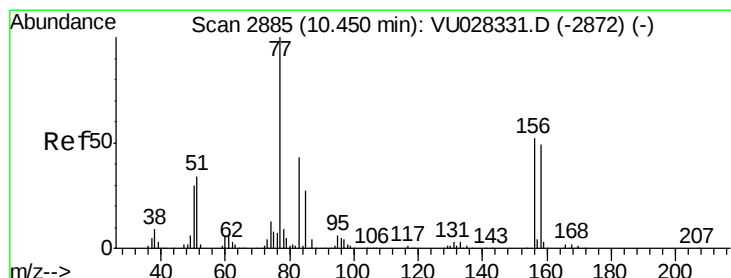
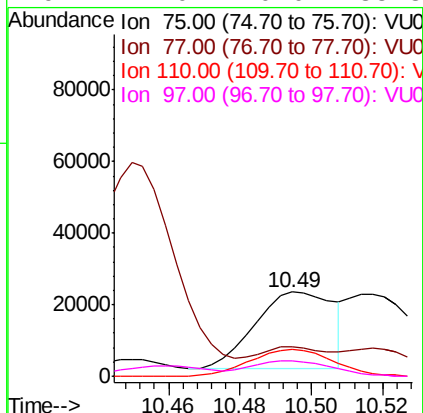
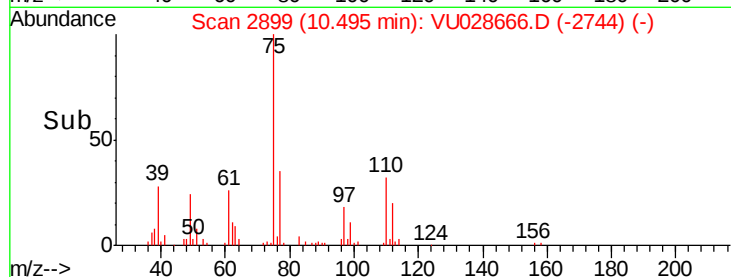
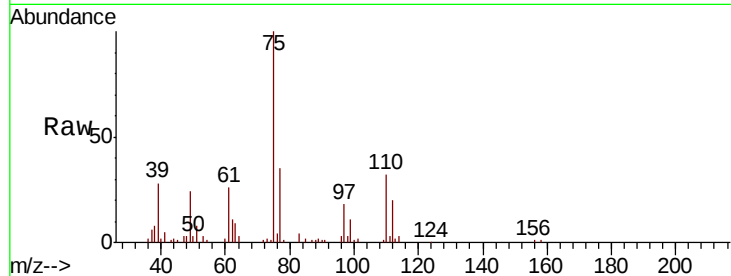




#71
1,2,3-Trichloropropane
Concen: 10.007 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

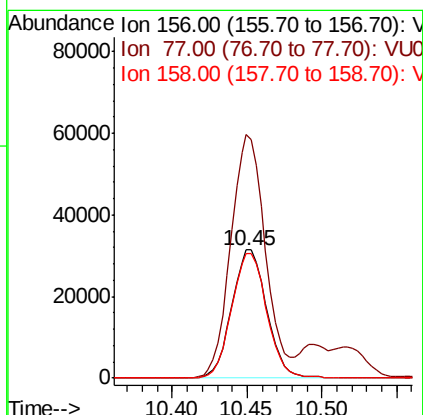
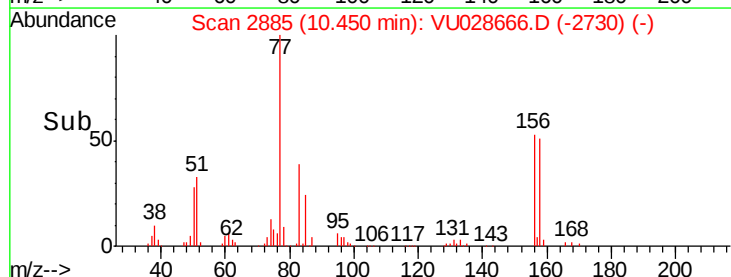
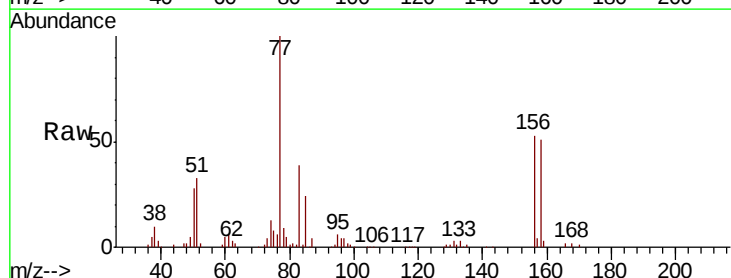
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

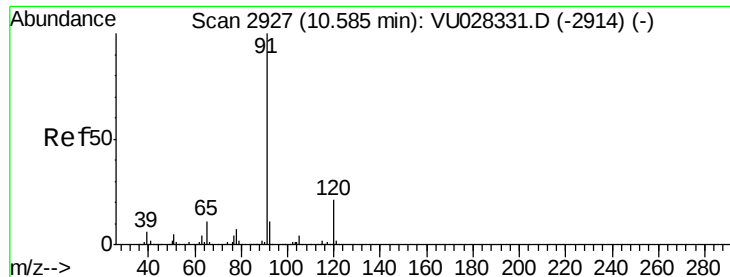
Tot Ion: 75 Resp: 32819
Ion Ratio Lower Upper
75 100
77 9.2 0.0 0.0#
110 37.2 0.0 67.6
97 21.0 0.0 35.8



#72
Bromobenzene
Concen: 11.249 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 156 Resp: 51232
Ion Ratio Lower Upper
156 100
77 186.4 0.0 380.4
158 97.8 0.0 191.2





#73

n-propylbenzene

Concen: 11.633 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

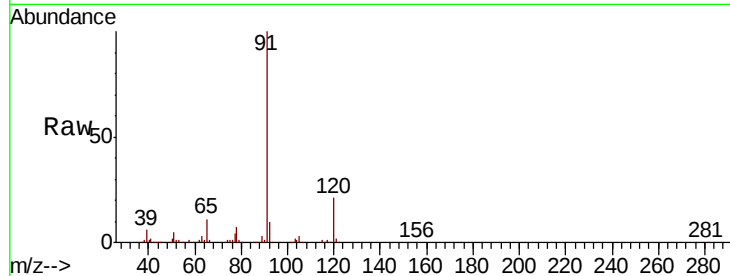
VSTDCCC010

Tot Ion:120 Resp: 61906

Ion Ratio Lower Upper

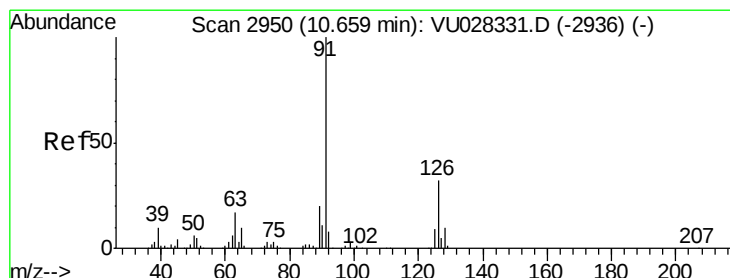
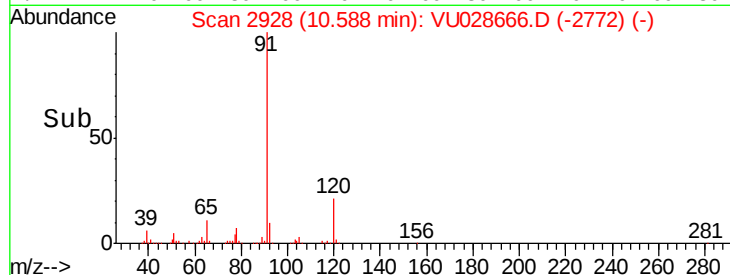
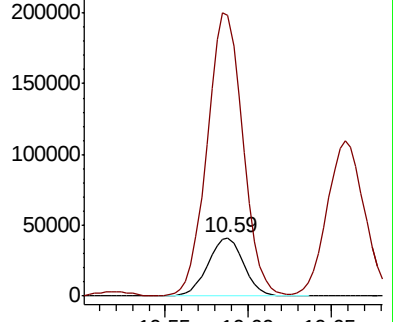
120 100

91 482.3 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.550 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028666.D

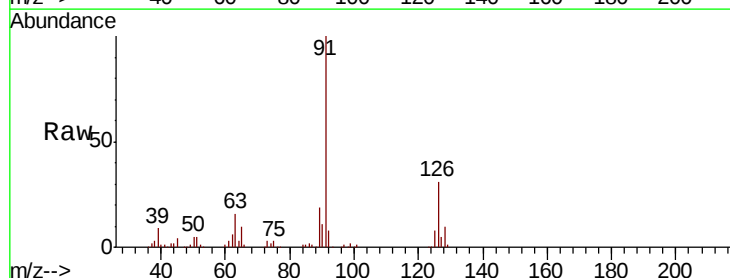
Acq: 13 Dec 2018 09:08

Tgt Ion:126 Resp: 53860

Ion Ratio Lower Upper

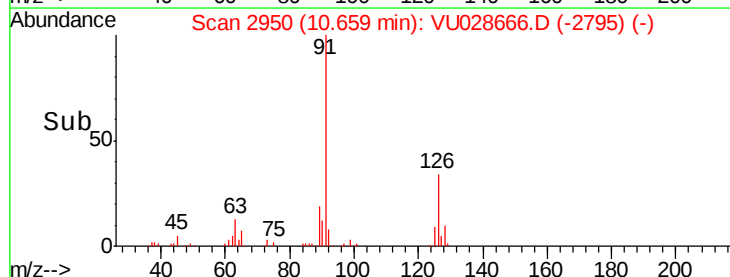
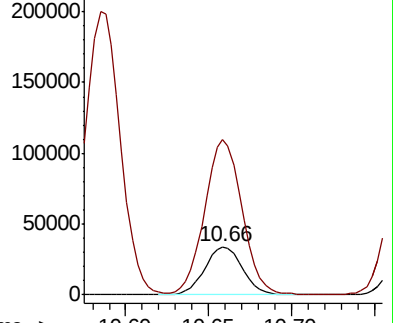
126 100

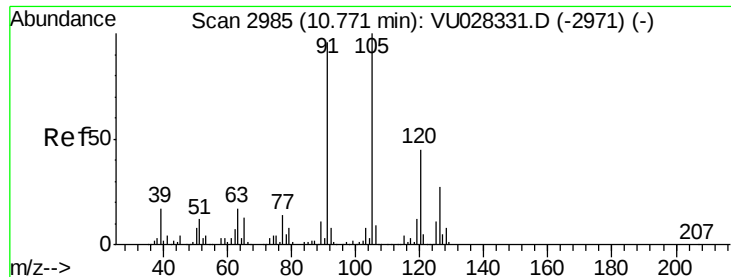
91 315.1 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.518 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

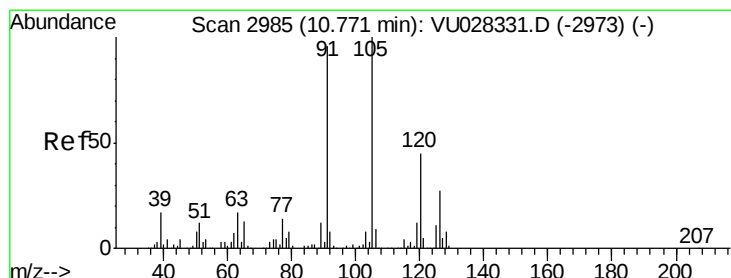
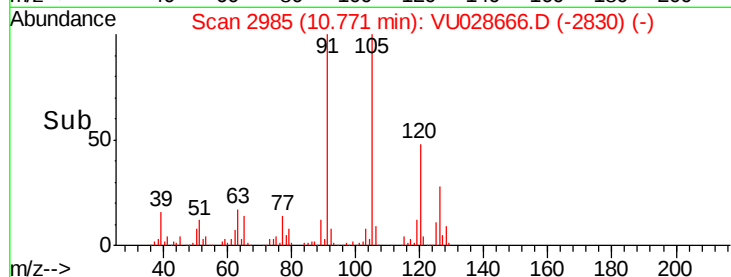
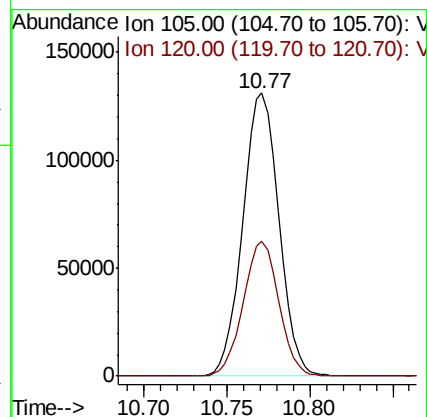
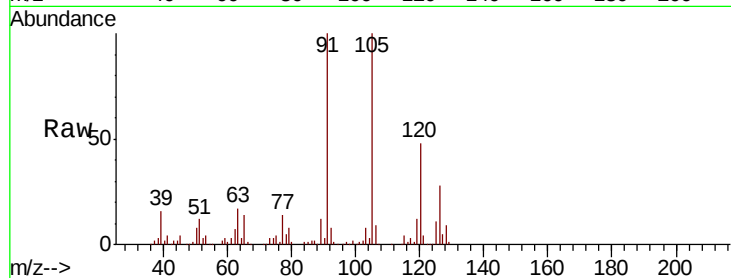
VSTDCCC010

Tot Ion:105 Resp: 198904

Ion Ratio Lower Upper

105 100

120 47.1 36.3 54.5



#76

4-Chlorotoluene

Concen: 11.710 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028666.D

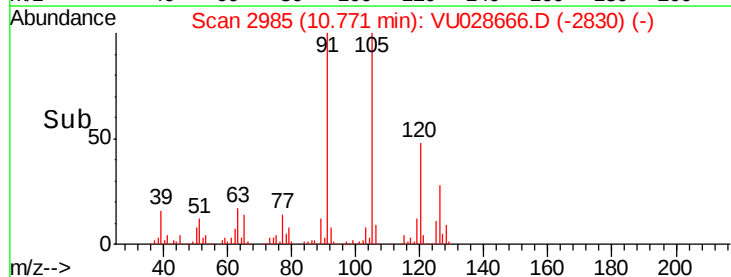
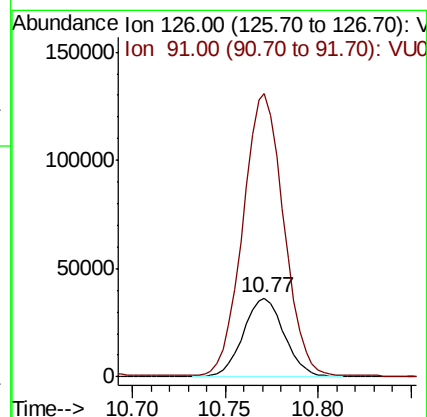
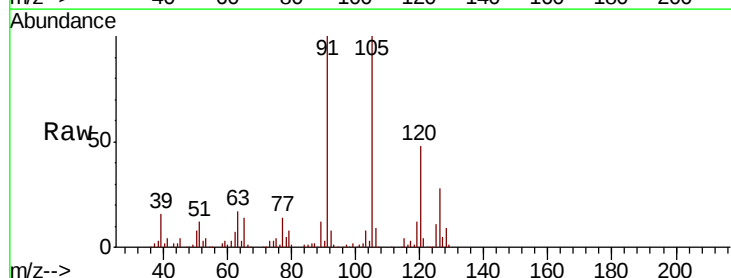
Acq: 13 Dec 2018 09:08

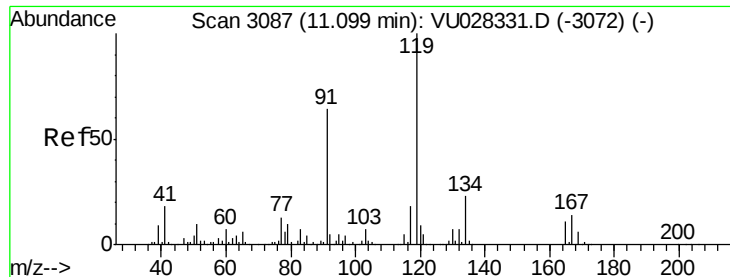
Tgt Ion:126 Resp: 55362

Ion Ratio Lower Upper

126 100

91 364.8 0.0 731.2





#77

tert-Butylbenzene

Concen: 11.572 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

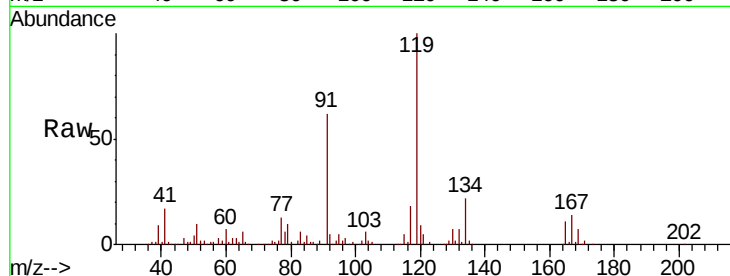
Tot Ion:119 Resp: 188138

Ion Ratio Lower Upper

119 100

91 62.1 32.0 96.0

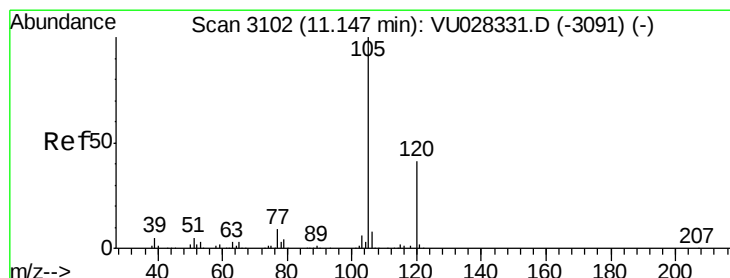
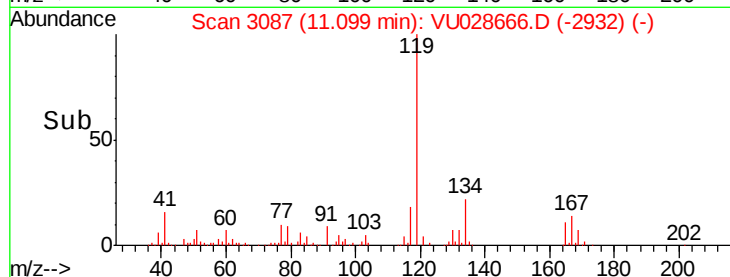
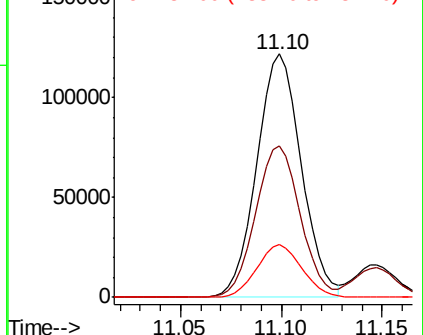
134 21.9 17.9 26.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 11.640 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028666.D

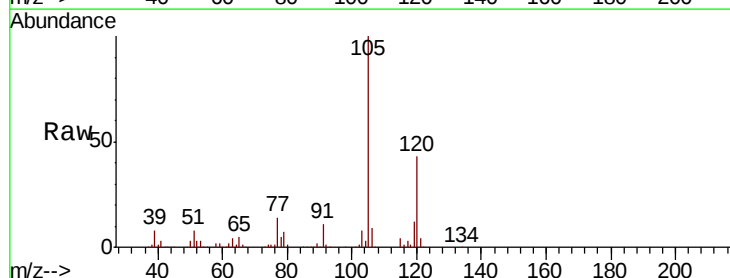
Acq: 13 Dec 2018 09:08

Tgt Ion:105 Resp: 205995

Ion Ratio Lower Upper

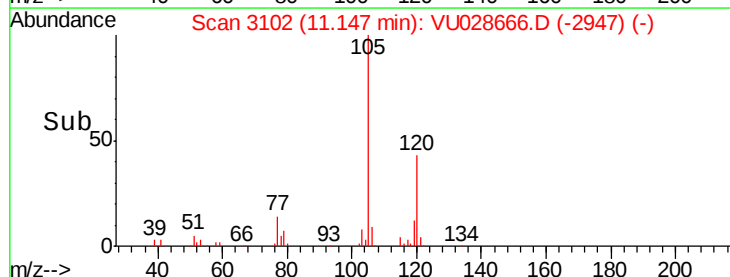
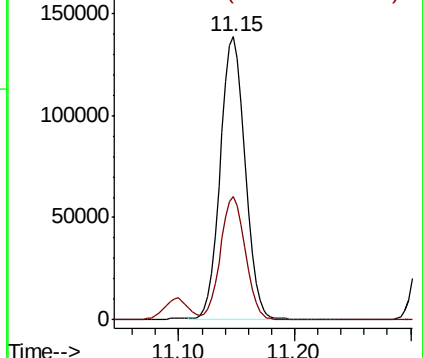
105 100

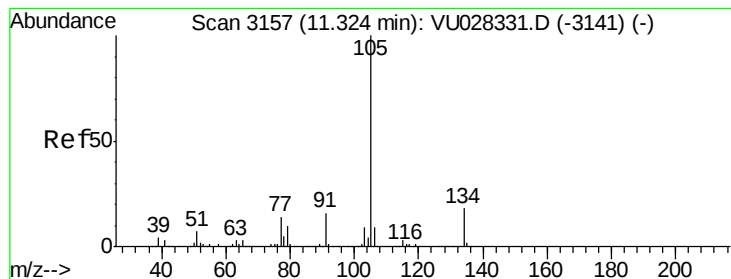
120 43.3 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.533 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

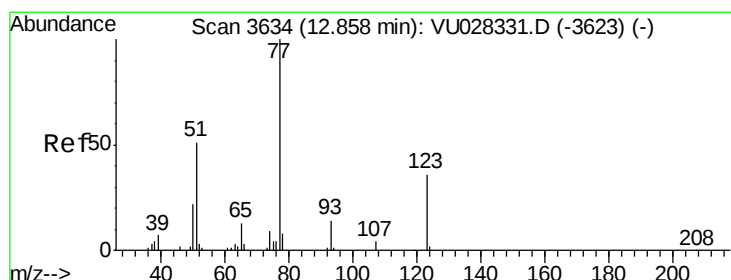
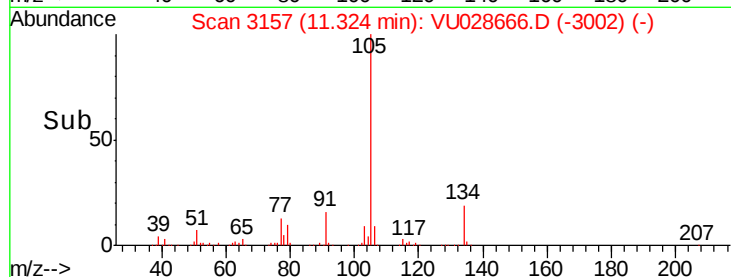
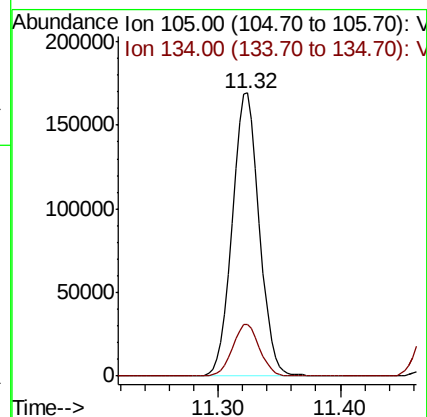
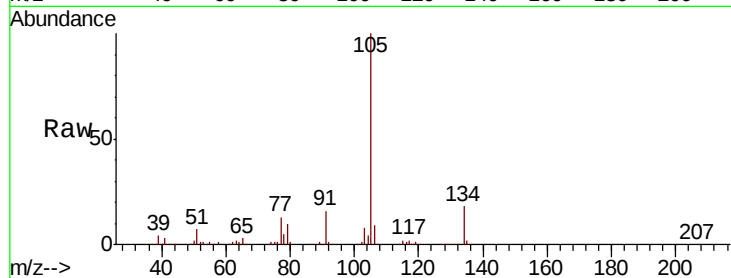
VSTDCCC010

Tot Ion:105 Resp: 261398

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#80

Nitrobenzene

Concen: 59.474 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

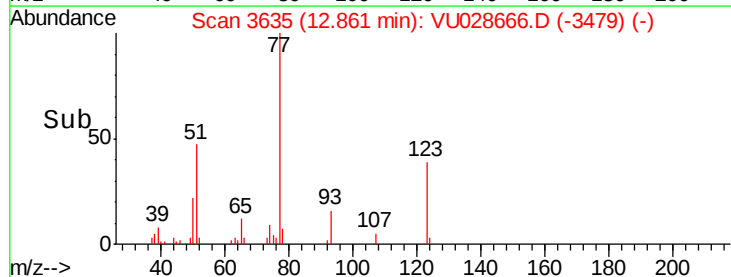
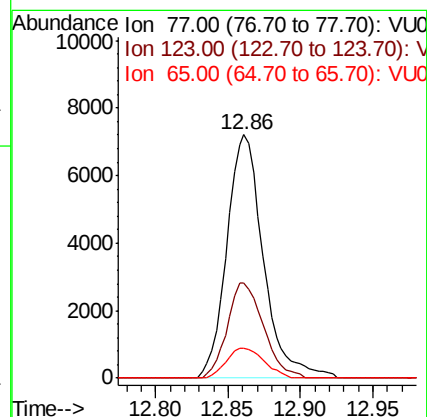
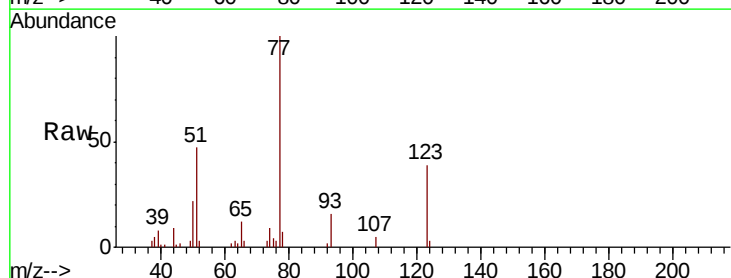
Tgt Ion: 77 Resp: 12605

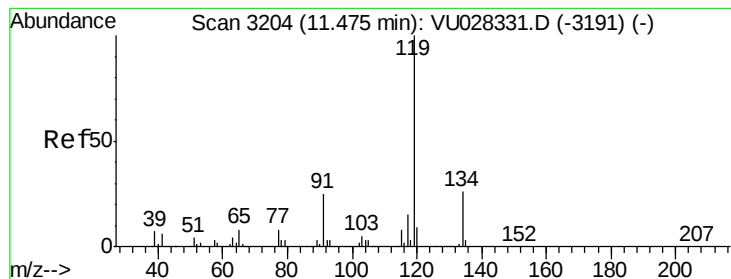
Ion Ratio Lower Upper

77 100

123 38.7 16.5 58.3

65 12.7 12.1 15.3





#81

p-Isopropyltoluene

Concen: 11.559 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

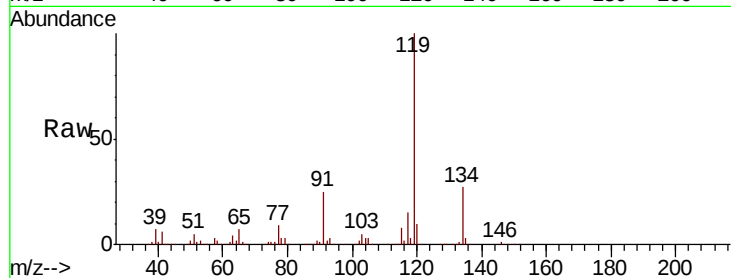
Tot Ion:119 Resp: 208191

Ion Ratio Lower Upper

119 100

134 26.7 20.3 30.5

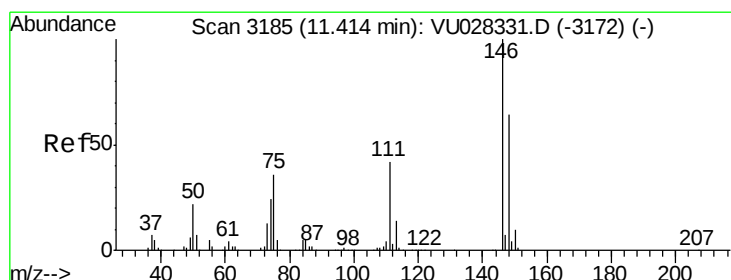
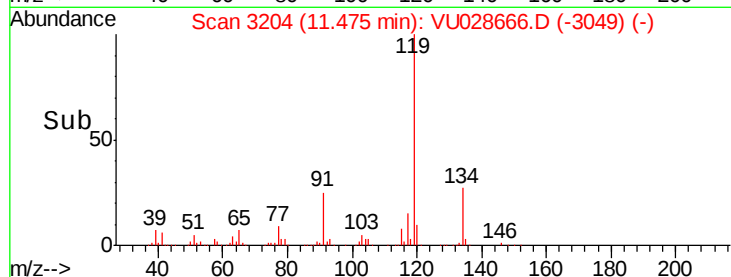
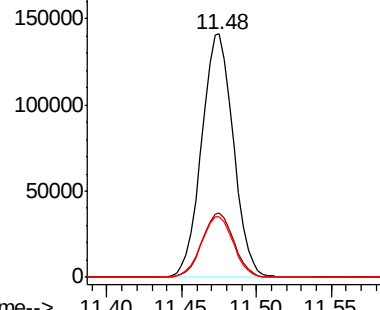
91 25.6 20.0 30.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 11.606 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

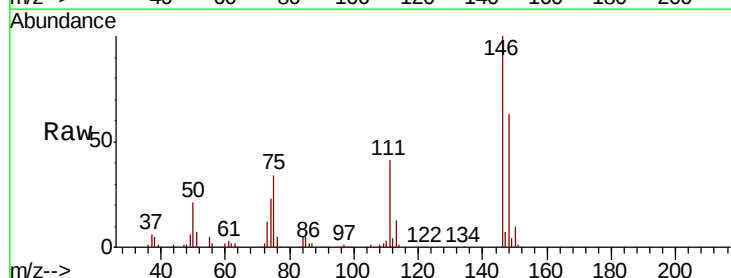
Tgt Ion:146 Resp: 105878

Ion Ratio Lower Upper

146 100

111 41.1 33.4 50.2

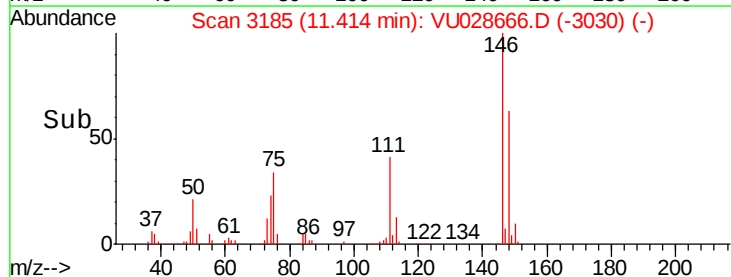
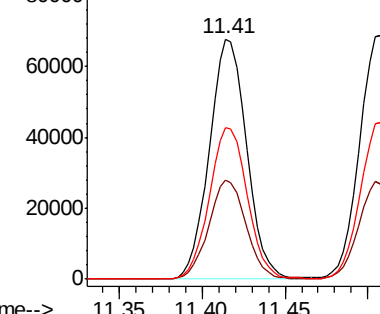
148 64.3 51.2 76.8

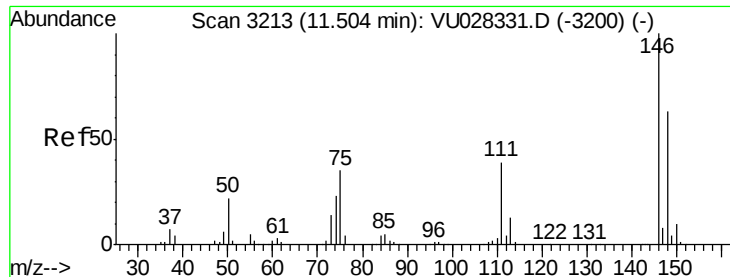


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 11.655 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

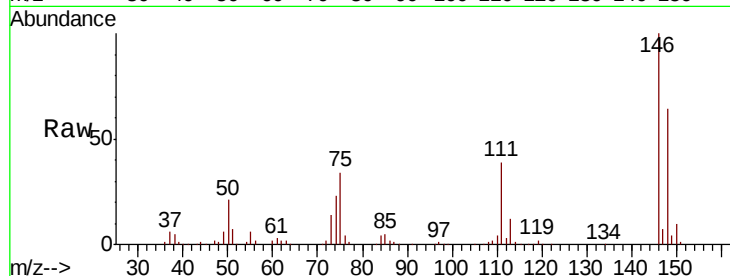
Tot Ion:146 Resp: 105822

Ion Ratio Lower Upper

146 100

111 40.2 31.4 47.2

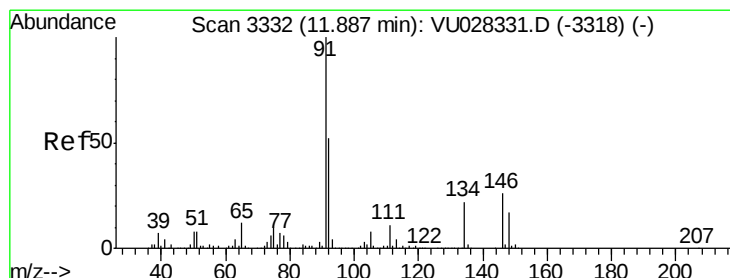
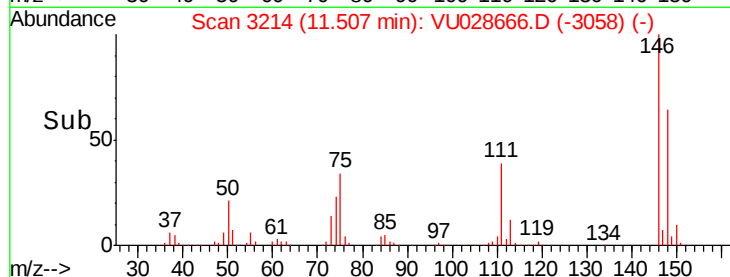
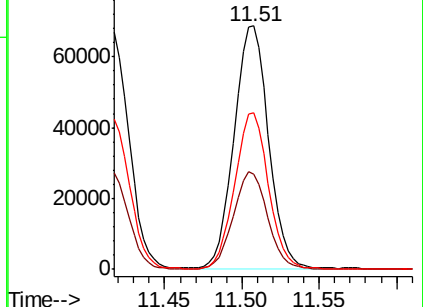
148 63.3 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 11.749 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

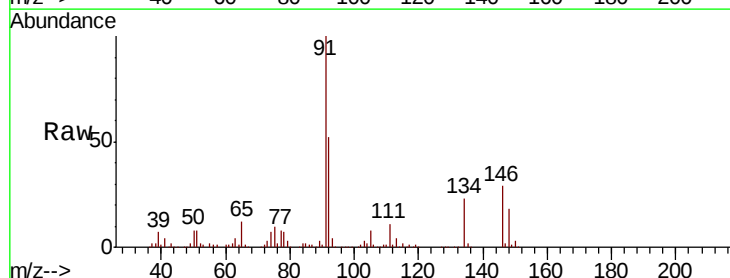
Tgt Ion: 91 Resp: 222163

Ion Ratio Lower Upper

91 100

92 51.9 41.6 62.4

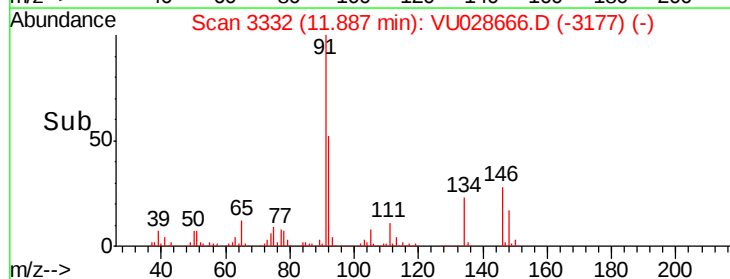
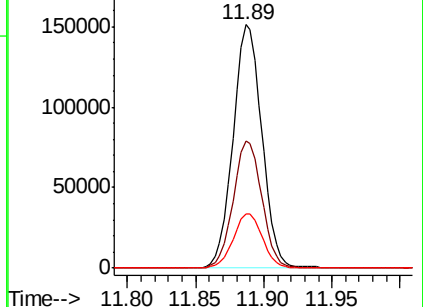
134 22.6 17.8 26.6

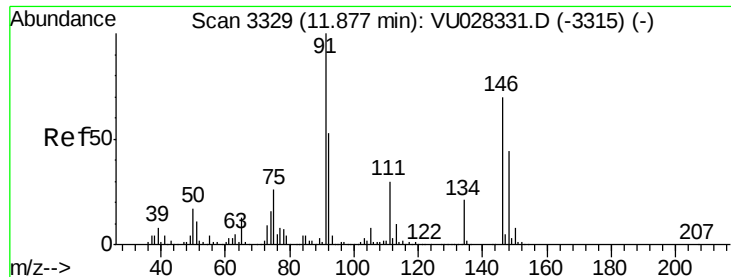


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.529 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

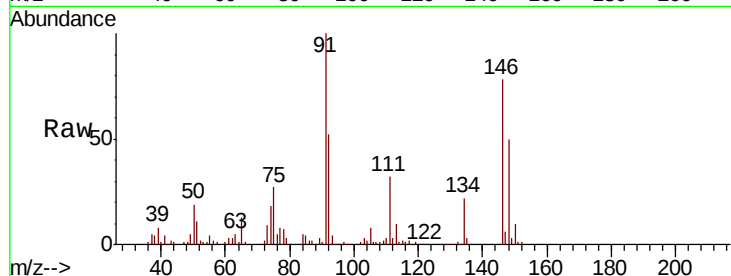
Tot Ion:146 Resp: 100105

Ion Ratio Lower Upper

146 100

111 41.6 21.4 64.3

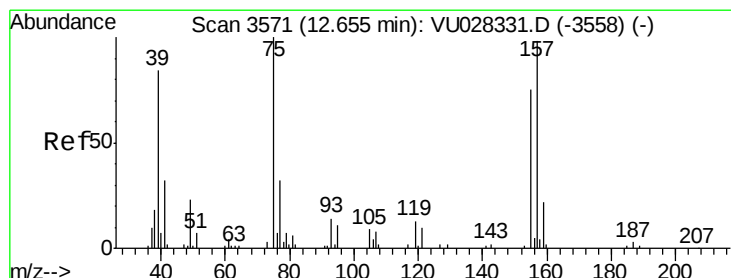
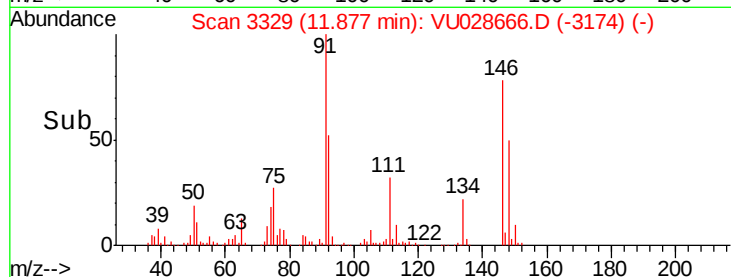
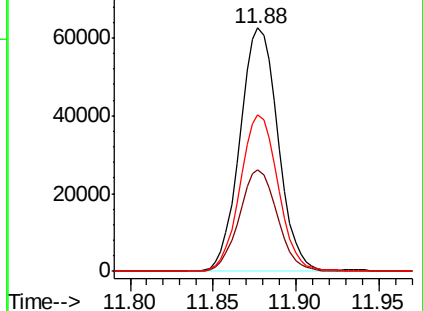
148 63.9 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.661 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

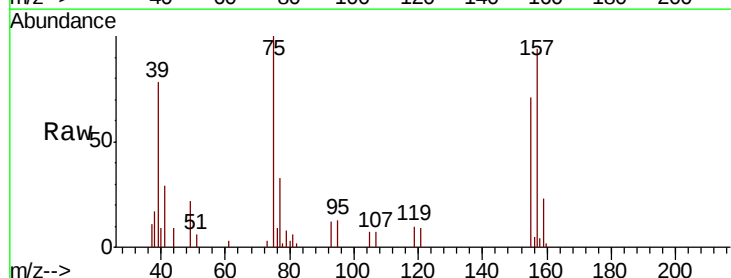
Tgt Ion: 75 Resp: 8068

Ion Ratio Lower Upper

75 100

155 75.0 57.0 85.4

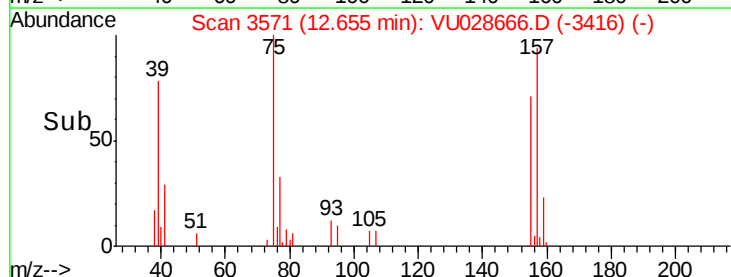
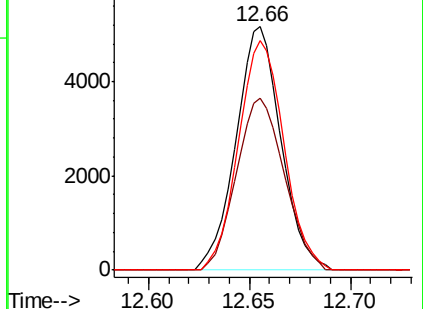
157 95.2 75.4 113.2

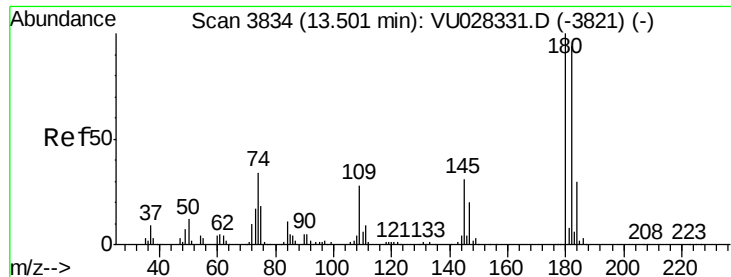


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

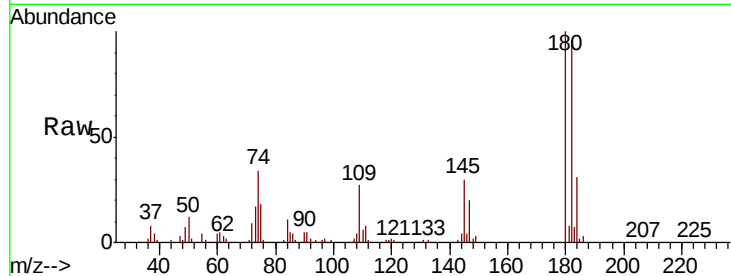




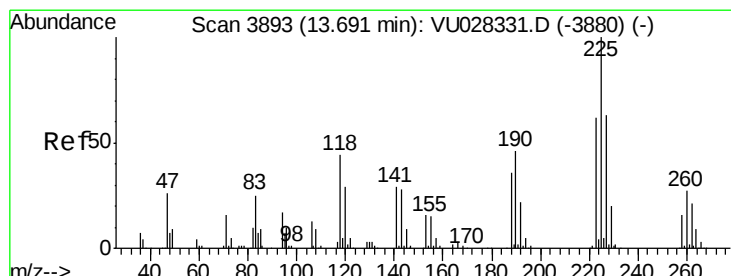
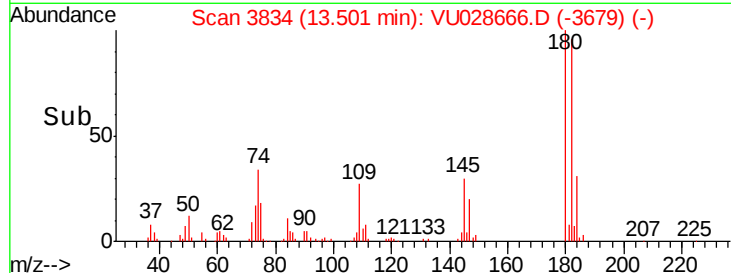
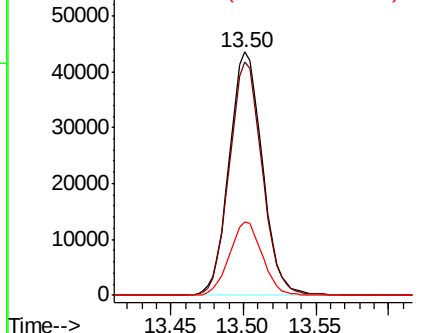
#87
 1,2,4-Trichlorobenzene
 Concen: 11.311 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 69042
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.6 113.4
 145 29.8 24.4 36.6

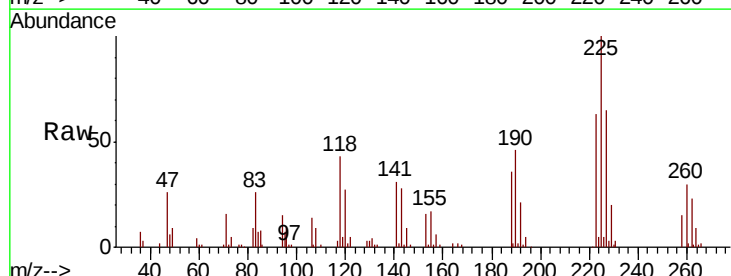


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

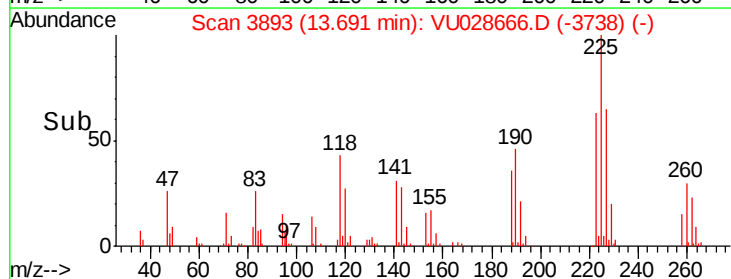
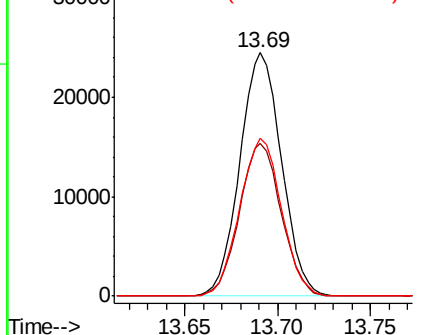


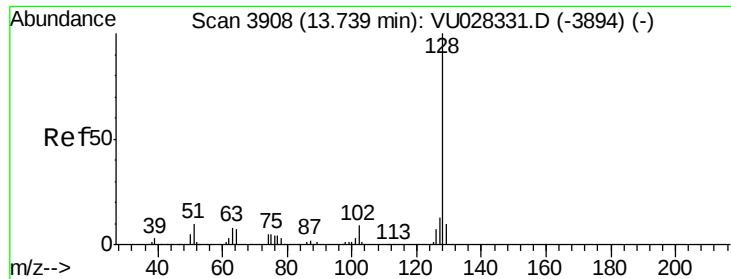
#88
 Hexachlorobutadiene
 Concen: 11.563 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion:225 Resp: 38188
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.6 76.0
 227 64.8 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 10.919 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

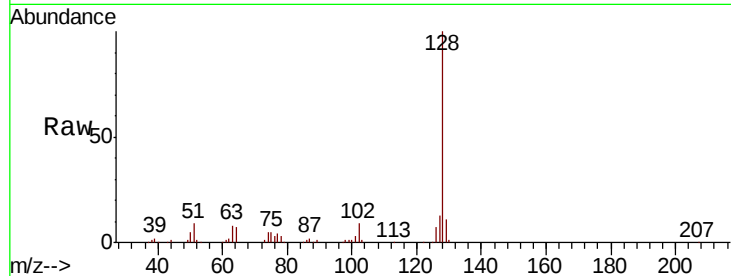
Tot Ion:128 Resp: 131728

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

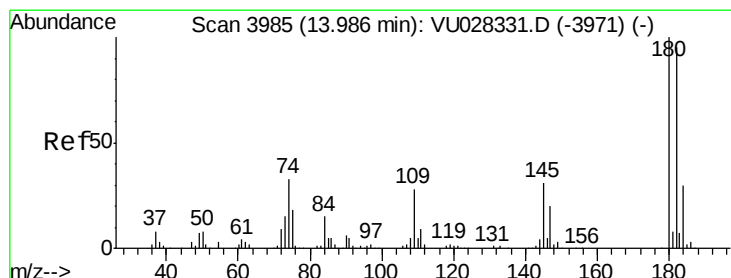
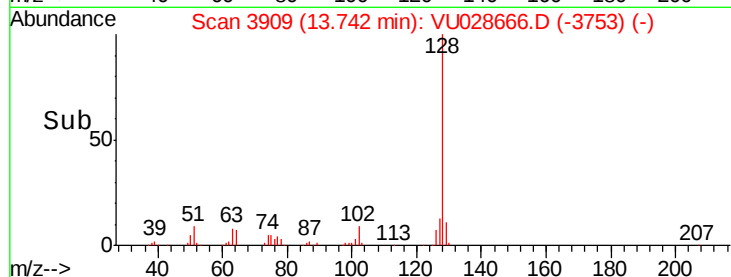
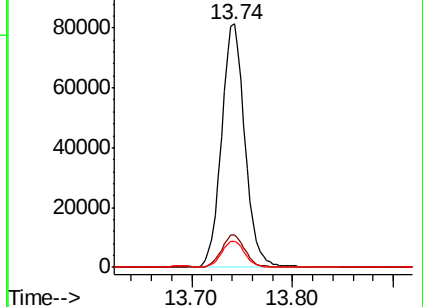
129 10.8 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 10.998 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

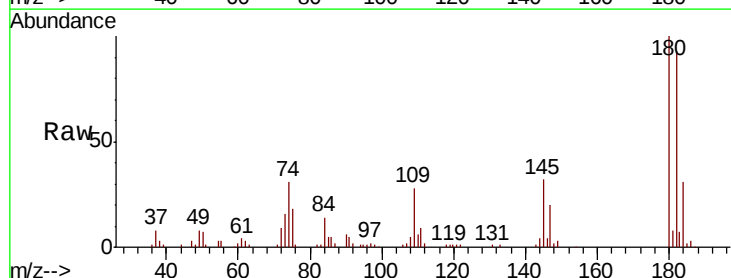
Tgt Ion:180 Resp: 63300

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 31.9 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

