

Data File : VU033198.D
Acq On : 11 Jul 2019 18:14
Operator : JC/SP
Sample : VSTDIC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Jul 12 04:15:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	33196	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	12705	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13329	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	65392	4.738	ug/l 99
3) Chloromethane	1.32	50	73782	4.692	ug/l 100
4) Vinyl Chloride	1.40	62	78334	4.693	ug/l 100
5) Bromomethane	1.62	94	46787	5.033	ug/l 99
6) Chloroethane	1.69	64	48221	4.603	ug/l 95
7) Trichlorofluoromethane	1.88	101	106696	4.718	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	54095	4.734	ug/l 99
9) 1,1-Dichloroethene	2.27	96	54413	4.697	ug/l 96
10) Iodomethane	2.40	142	62043	4.009	ug/l 99
11) Allyl Chloride	2.58	41	91456	4.582	ug/l 100
12) Acrylonitrile	2.92	53	29162	9.036	ug/l 98
13) Acetone	2.31	43	64637	22.634	ug/l 98
14) Carbon Disulfide	2.46	76	199365	4.650	ug/l 99
15) Methylene Chloride	2.68	84	68282	4.574	ug/l 99
16) trans-1,2-Dichloroethene	2.96	96	62258	4.671	ug/l 99
17) 1,1-Dichloroethane	3.42	63	91300	4.657	ug/l 98
18) 2-Butanone	4.25	43	66805	26.104	ug/l 99
19) Cyclohexane	4.97	56	61929	4.188	ug/l 86
20) Methylcyclohexane	6.39	83	74993	5.112	ug/l 97
21) 2,2-Dichloropropane	4.20	77	75639	4.424	ug/l 99
22) cis-1,2-Dichloroethene	4.20	96	52543	4.834	ug/l 99
23) Diethyl Ether	2.09	59	46729	4.778	ug/l 99
24) tert-Butyl Alcohol	2.82	59	55970	44.949	ug/l 100
25) Methyl tert-Butyl Ether	2.98	73	157271	4.765	ug/l 99
26) Bromochloromethane	4.52	128	22458	4.638	ug/l 97
27) Chloroform	4.65	83	95794	4.378	ug/l 98
28) 1,1,1-Trichloroethane	4.89	97	80160	4.676	ug/l 99
29) 1,1-Dichloropropene	5.11	75	68300	4.815	ug/l 98
30) Carbon Tetrachloride	5.11	117	69868	4.558	ug/l 99
31) Isopropyl Ether	3.55	45	122655	4.736	ug/l 97
32) Ethyl-t-butyl ether	4.05	59	116990	4.738	ug/l 97
33) Tert-Amyl methyl ether	5.56	73	111999	5.031	ug/l 99
34) Propionitrile	4.31	54	19413	26.203	ug/l 98
35) Benzene	5.36	78	199218	4.828	ug/l 99
36) 1,2-Dichloroethane	5.38	62	62983	4.727	ug/l 99
37) Trichloroethene	6.16	130	51416	4.829	ug/l 98
38) 1,2-Dichloropropane	6.41	63	53667	4.723	ug/l 95
39) Methacrylonitrile	4.53	41	15933	5.184	ug/l 98
40) Methyl acrylate	4.41	55	23197	5.003	ug/l # 96
41) Tetrahydrofuran	4.63	42	16643	10.616	ug/l 96
42) 1-Chlorobutane	5.04	56	92877	4.817	ug/l 99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

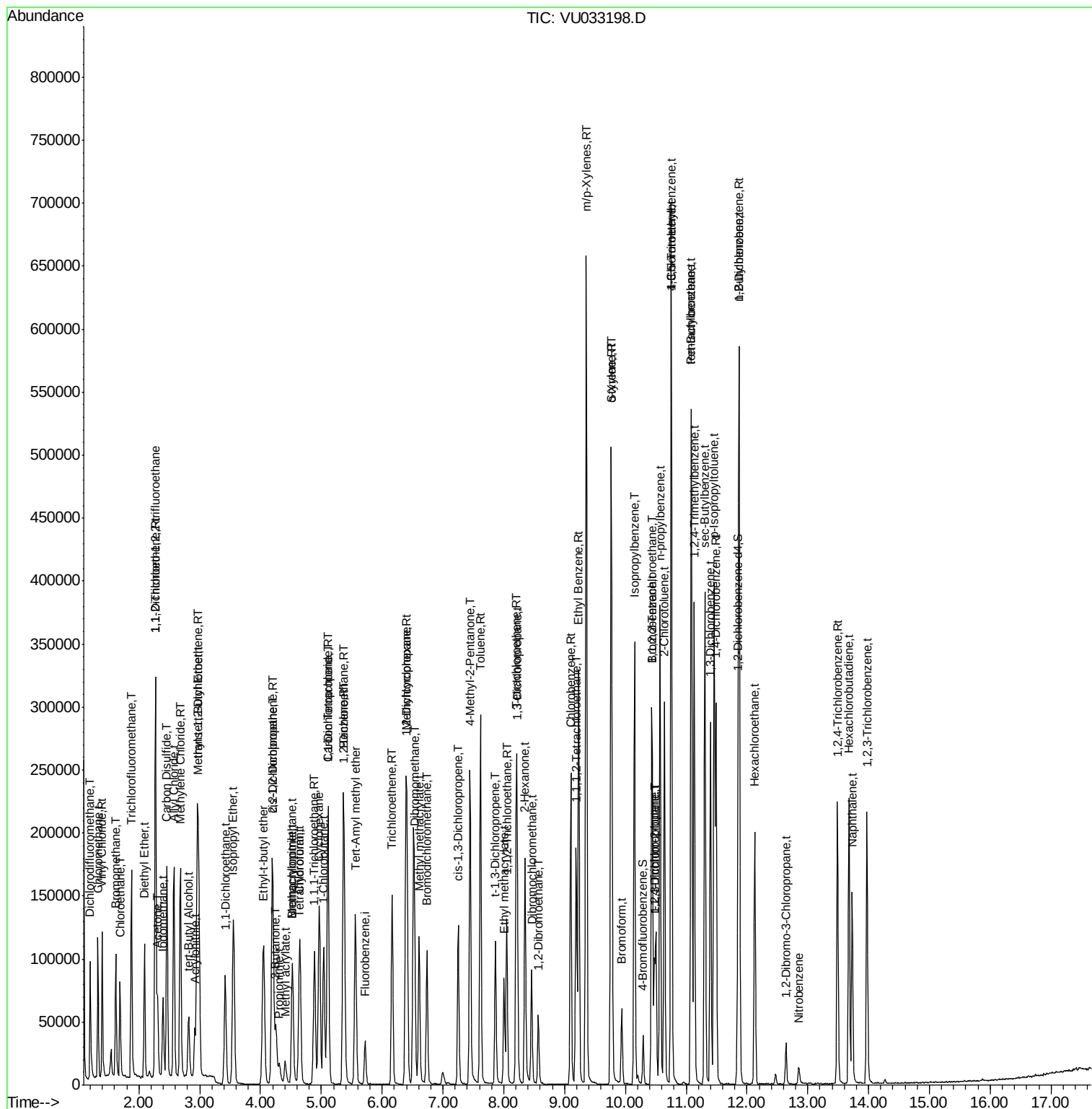
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	28952	4.857	ug/l	96
44) Bromodichloromethane	6.74	83	68871	4.641	ug/l	98
45) 4-Methyl-2-Pentanone	7.45	43	162928	25.764	ug/l	99
46) t-1,4-Dichloro-2-butene	10.48	75	32788	11.484	ug/l	91
47) Methyl methacrylate	6.61	69	49654	10.734	ug/l	99
48) Ethyl methacrylate	8.00	69	43901	5.126	ug/l	99
49) Toluene	7.62	92	119830	4.930	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	63567	4.965	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	73515	4.884	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	39473	4.803	ug/l	98
53) 1,3-Dichloropropane	8.22	76	67179	4.866	ug/l	100
54) 2-Hexanone	8.35	43	114092	26.491	ug/l	99
55) Dibromochloromethane	8.46	129	46855	4.881	ug/l	96
56) 1,2-Dibromoethane	8.57	107	36482	4.855	ug/l	98
58) Tetrachloroethene	8.21	164	47246	4.843	ug/l	98
59) Chlorobenzene	9.10	112	131266	4.851	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	48410	4.673	ug/l	99
61) Pentachloroethane	11.09	117	38374	4.560	ug/l	98
62) Hexachloroethane	12.13	117	36819	4.556	ug/l	98
63) Ethyl Benzene	9.23	91	222998	5.003	ug/l	100
64) m/p-Xylenes	9.36	106	180546	10.394	ug/l	100
65) o-Xylene	9.76	106	85915	5.151	ug/l	97
66) Styrene	9.77	104	147995	5.269	ug/l	100
67) Bromoform	9.94	173	25655	4.882	ug/l	100
69) Isopropylbenzene	10.15	105	221955	5.096	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	53132	4.887	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	32788	4.190	ug/l #	71
72) Bromobenzene	10.43	156	55839	5.023	ug/l	99
73) n-propylbenzene	10.57	120	63324	5.228	ug/l	96
74) 2-Chlorotoluene	10.64	126	55945	5.052	ug/l	95
75) 1,3,5-Trimethylbenzene	10.76	105	200703	5.202	ug/l	99
76) 4-Chlorotoluene	10.76	126	57958	4.994	ug/l	92
77) tert-Butylbenzene	11.08	119	183596	4.991	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	207041	5.297	ug/l	100
79) sec-Butylbenzene	11.31	105	257841	5.128	ug/l	98
80) Nitrobenzene	12.85	77	8545	31.766	ug/l #	98
81) p-Isopropyltoluene	11.46	119	213196	5.268	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	115839	4.960	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	118590	5.151	ug/l	99
84) n-Butylbenzene	11.87	91	208574	5.275	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	109225	5.050	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	8689	5.176	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	67637	5.680	ug/l	98
88) Hexachlorobutadiene	13.68	225	38390	4.970	ug/l	99
89) Naphthalene	13.73	128	125405	6.271	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	65739	5.677	ug/l	100

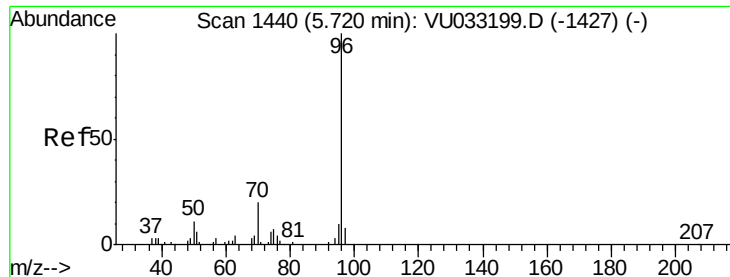
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 33196

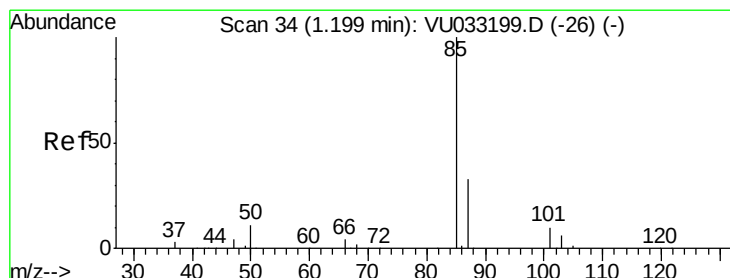
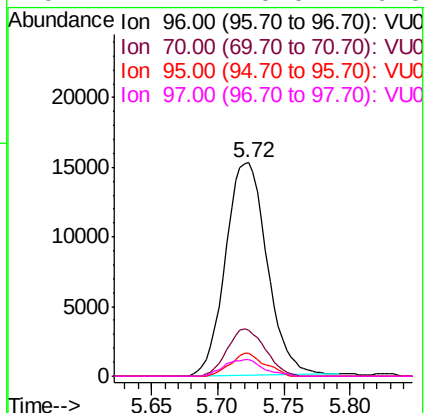
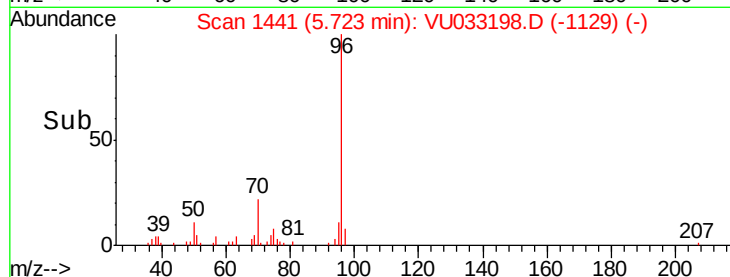
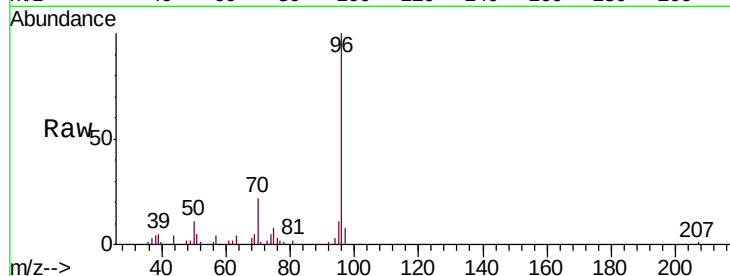
Ion Ratio Lower Upper

96 100

70 20.4 16.2 24.4

95 9.0 7.8 11.8

97 7.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 4.738 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033198.D

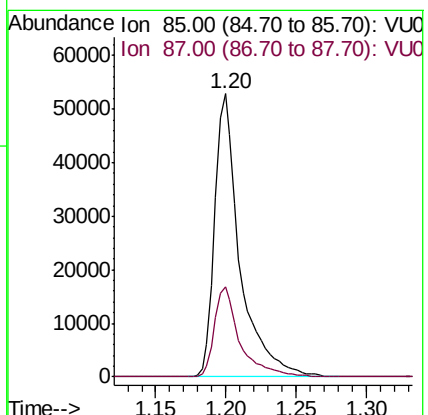
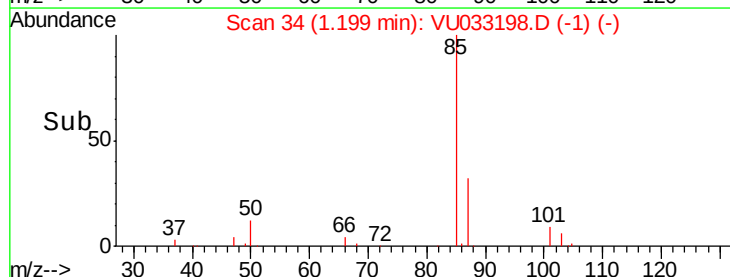
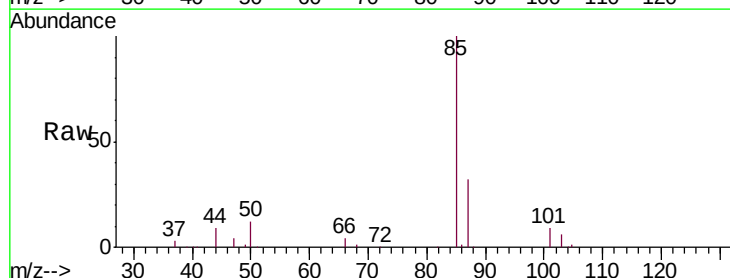
Acq: 11 Jul 2019 18:14

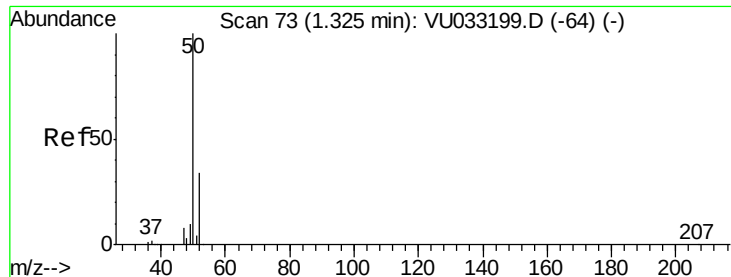
Tgt Ion: 85 Resp: 65392

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1





#3

Chloromethane

Concen: 4.692 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

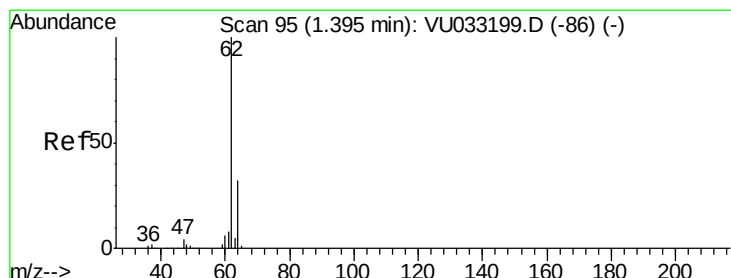
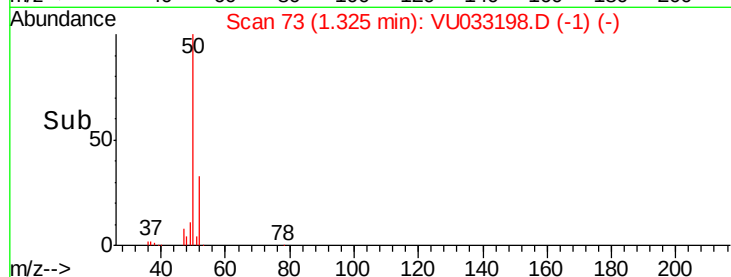
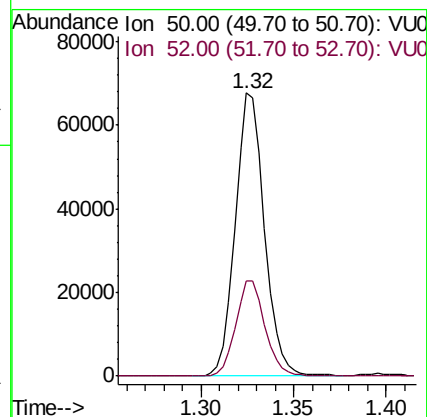
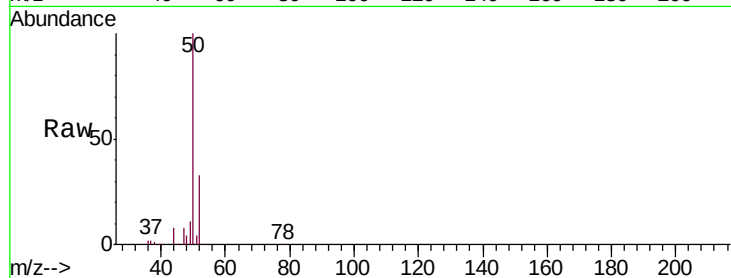
VSTDIC005

Tgt Ion: 50 Resp: 73782

Ion Ratio Lower Upper

50 100

52 33.4 27.0 40.4



#4

Vinyl Chloride

Concen: 4.693 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033198.D

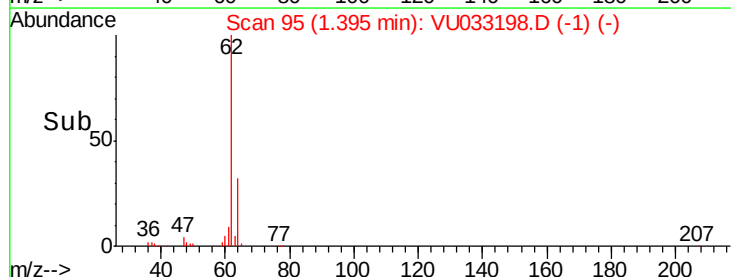
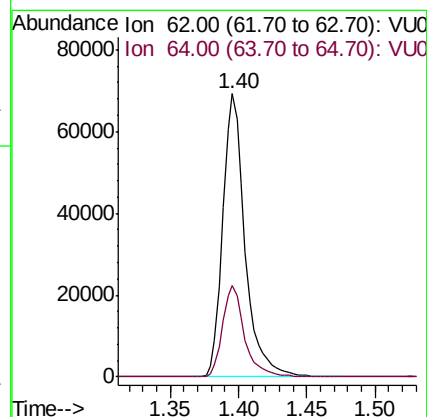
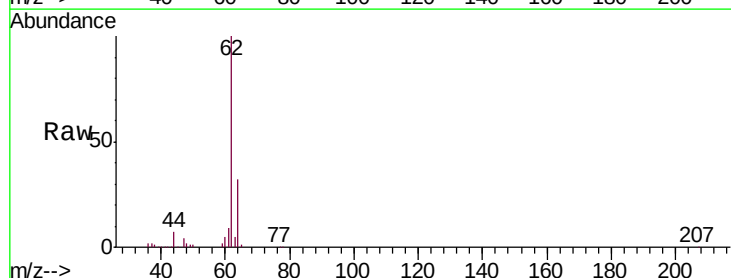
Acq: 11 Jul 2019 18:14

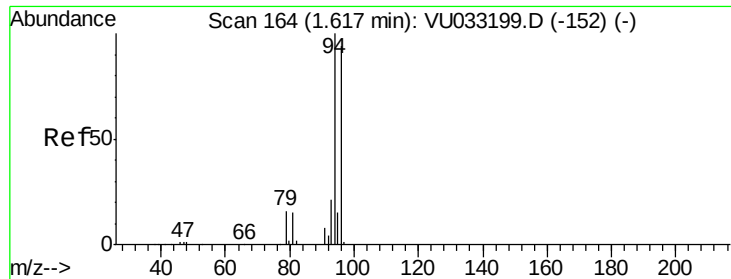
Tgt Ion: 62 Resp: 78334

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 5.033 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

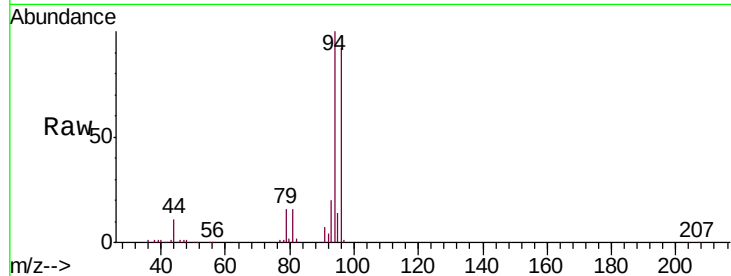
VSTDIC005

Tgt Ion: 94 Resp: 46787

Ion Ratio Lower Upper

94 100

96 92.1 74.8 112.2

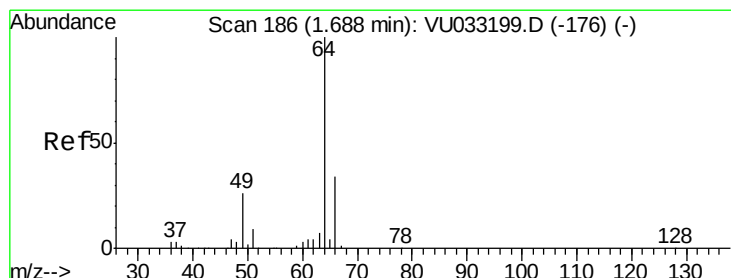
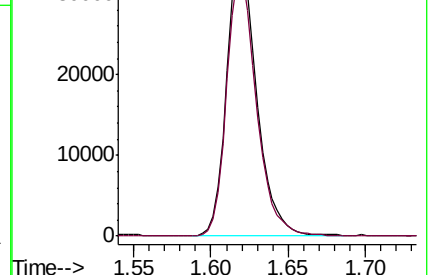
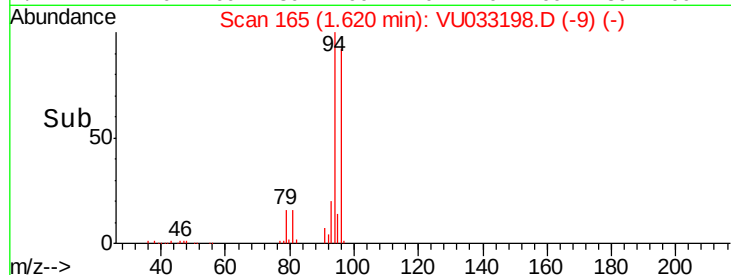


Abundance Ion 94.00 (93.70 to 94.70): VU033199.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033199.D (-152) (-)

1.62

Time-->



#6

Chloroethane

Concen: 4.603 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033198.D

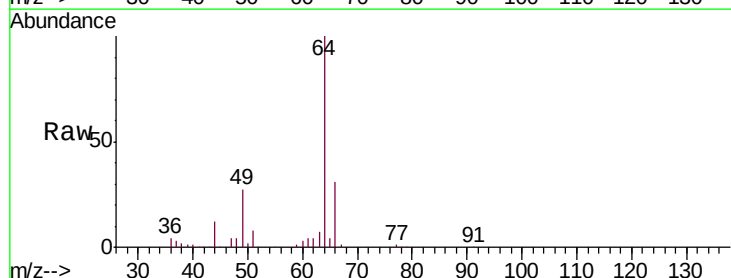
Acq: 11 Jul 2019 18:14

Tgt Ion: 64 Resp: 48221

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.4

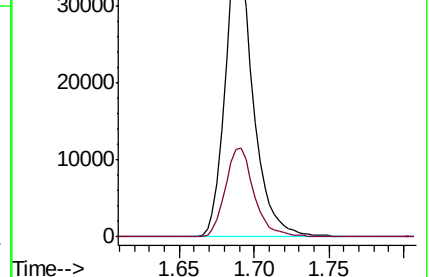
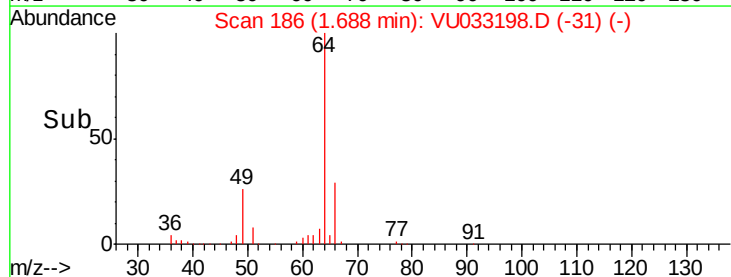


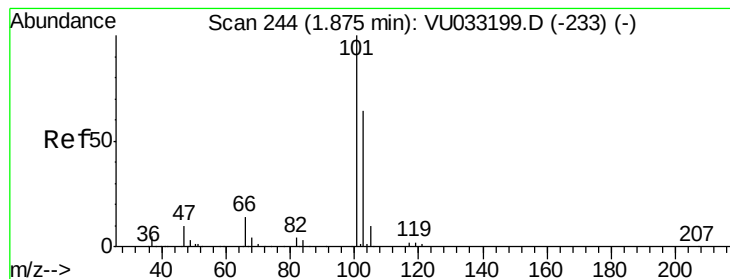
Abundance Ion 64.00 (63.70 to 64.70): VU033199.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033199.D (-176) (-)

1.69

Time-->



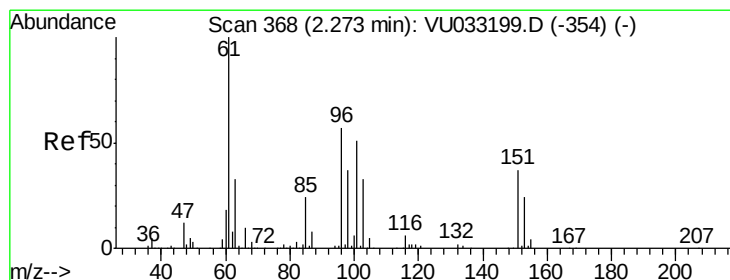
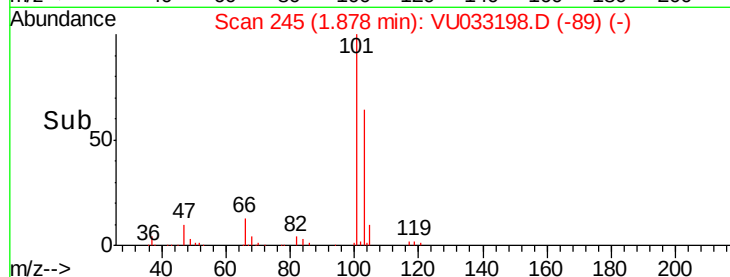
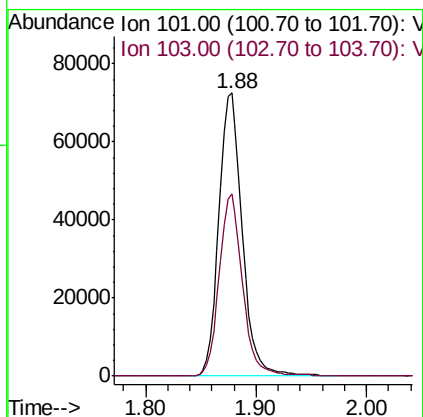
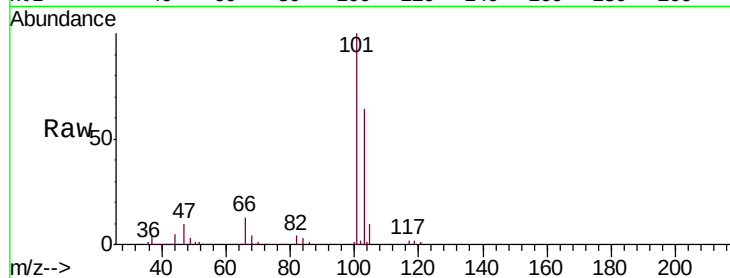


#7

Trichlorofluoromethane
 Concen: 4.718 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

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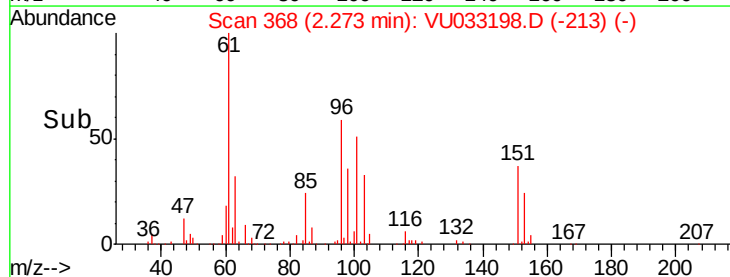
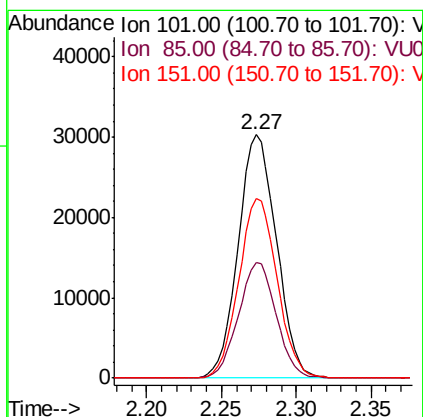
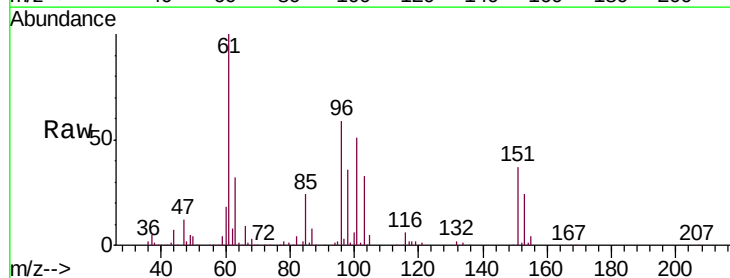
Tgt Ion:101 Resp: 106696
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

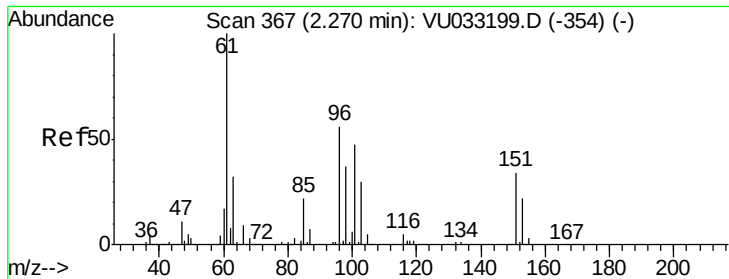


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.734 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion:101 Resp: 54095
 Ion Ratio Lower Upper
 101 100
 85 46.7 37.7 56.5
 151 73.6 58.2 87.2





#9

1,1-Dichloroethene

Concen: 4.697 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

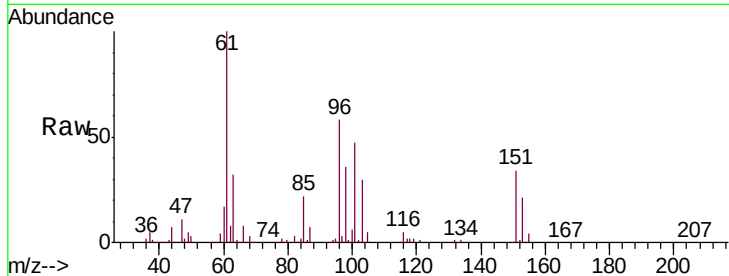
Tgt Ion: 96 Resp: 54413

Ion Ratio Lower Upper

96 100

61 172.8 0.0 533.7

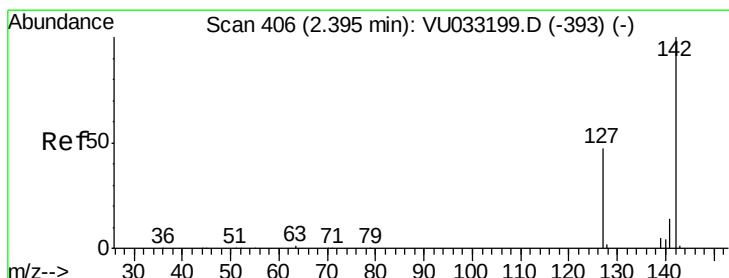
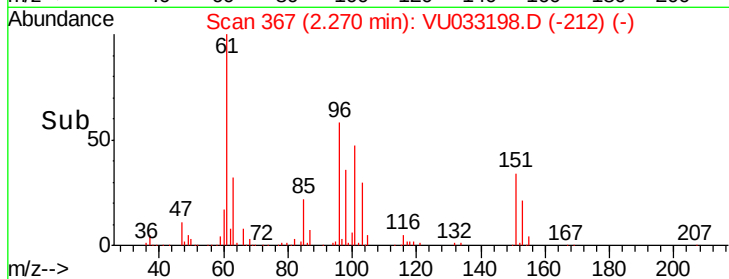
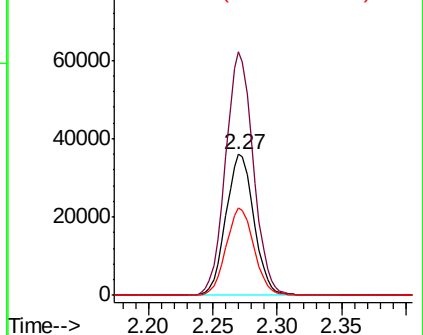
98 62.2 0.0 129.8



Abundance Ion 96.00 (95.70 to 96.70): VU033198.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033198.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033198.D (-354) (-)



#10

Iodomethane

Concen: 4.009 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU033198.D

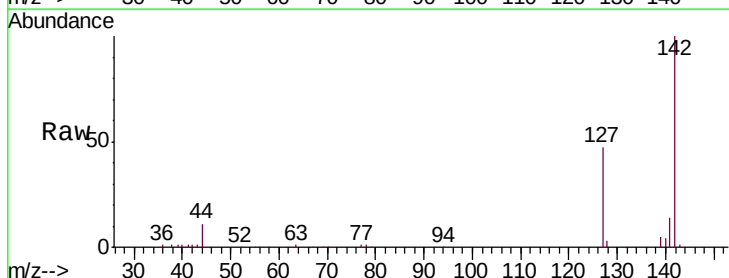
Acq: 11 Jul 2019 18:14

Tgt Ion: 142 Resp: 62043

Ion Ratio Lower Upper

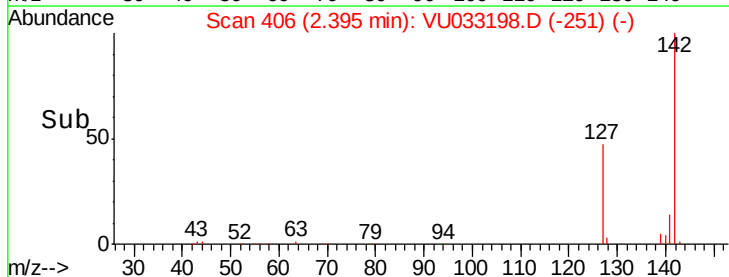
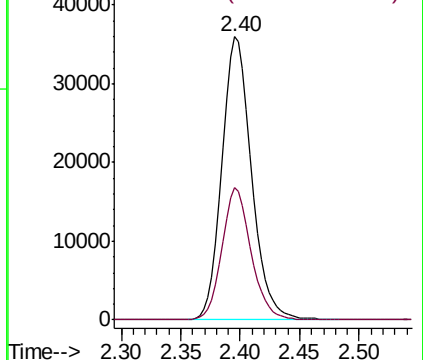
142 100

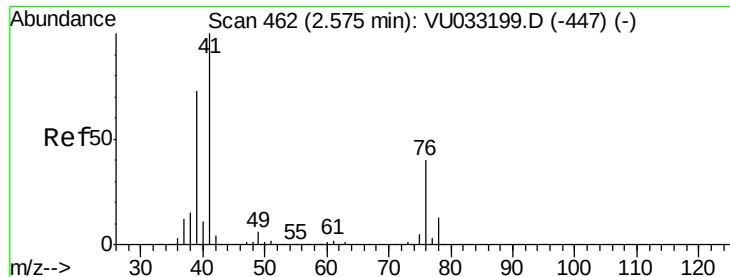
127 45.7 37.0 55.4



Abundance Ion 142.00 (141.70 to 142.70): VU033198.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033198.D (-393) (-)

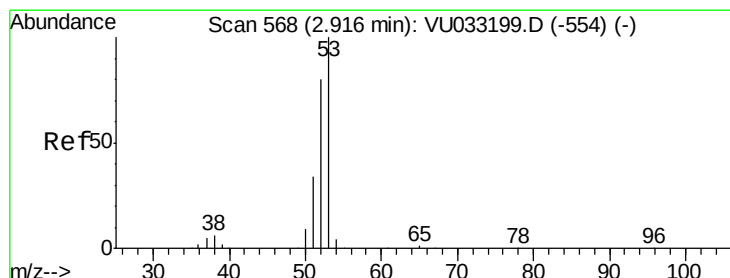
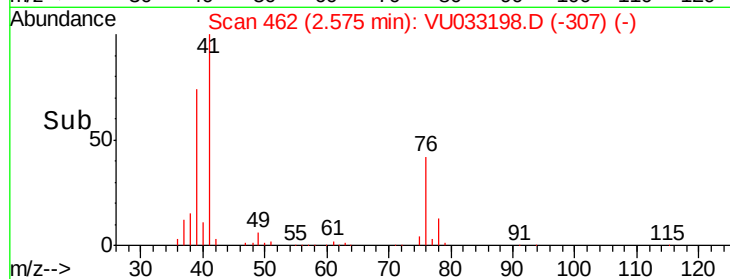
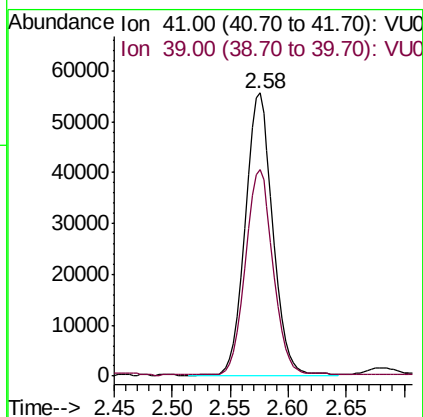
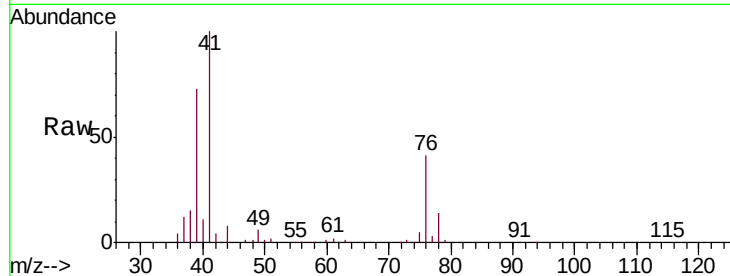




#11
 Allyl Chloride
 Concen: 4.582 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

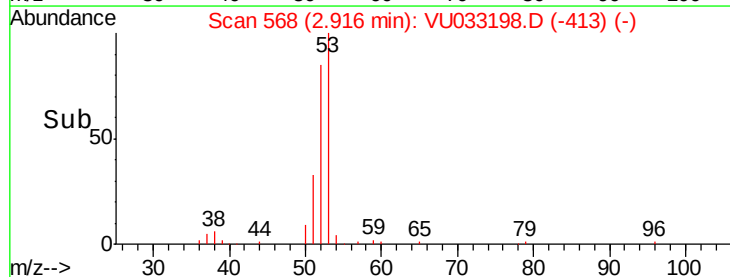
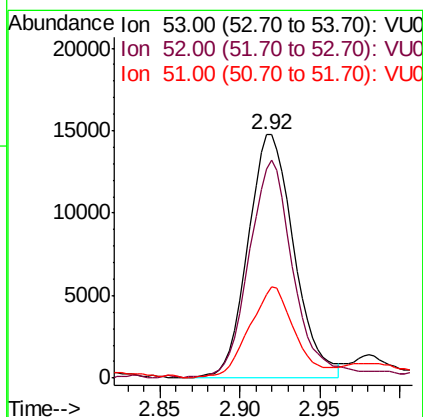
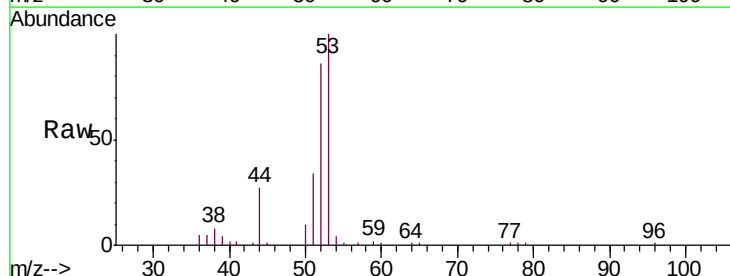
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

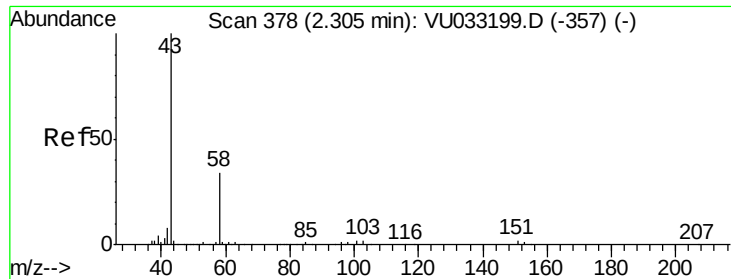
Tgt Ion: 41 Resp: 91456
 Ion Ratio Lower Upper
 41 100
 39 73.5 58.7 88.1



#12
 Acrylonitrile
 Concen: 9.036 ug/l
 RT: 2.92 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 53 Resp: 29162
 Ion Ratio Lower Upper
 53 100
 52 86.8 68.3 102.5
 51 37.0 28.7 43.1





#13

Acetone

Concen: 22.634 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

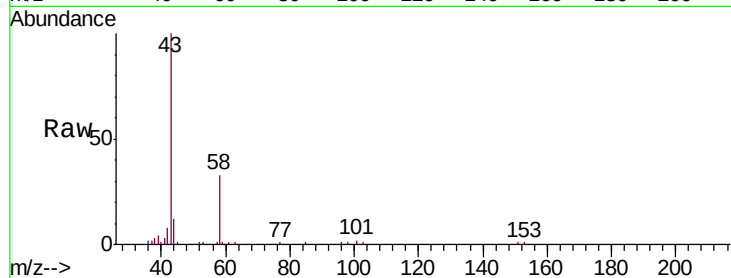
VSTDIC005

Tgt Ion: 43 Resp: 64637

Ion Ratio Lower Upper

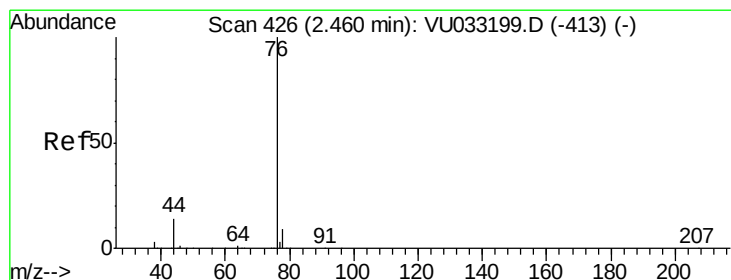
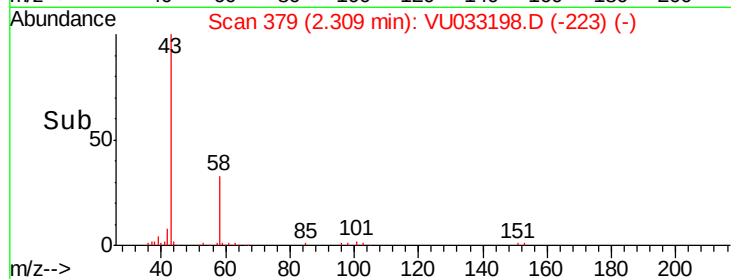
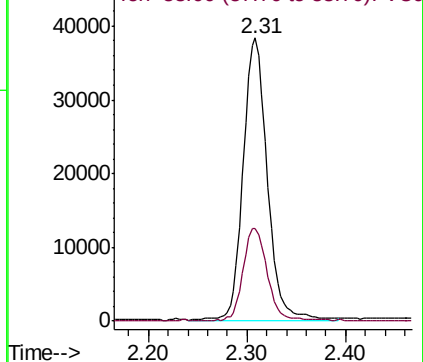
43 100

58 32.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU033199.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033199.D (-357) (-)



#14

Carbon Disulfide

Concen: 4.650 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033198.D

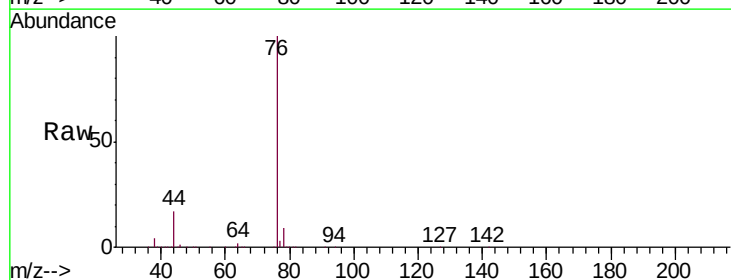
Acq: 11 Jul 2019 18:14

Tgt Ion: 76 Resp: 199365

Ion Ratio Lower Upper

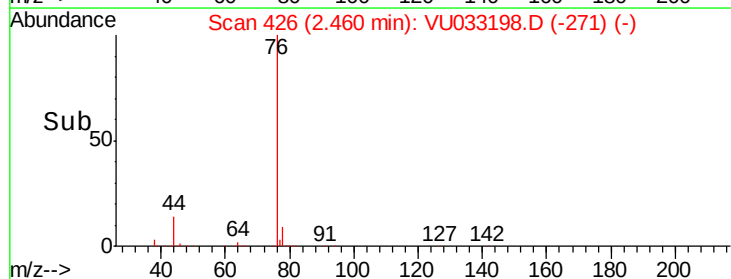
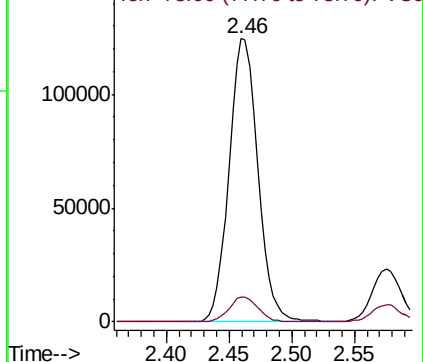
76 100

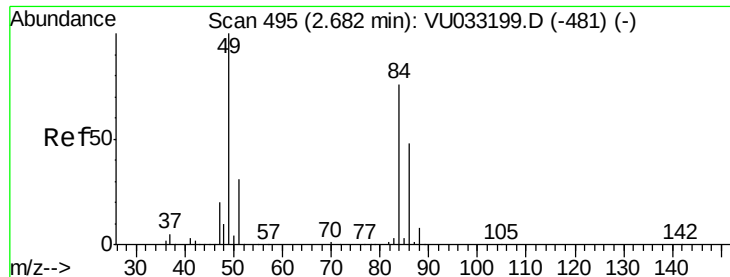
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033199.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033199.D (-413) (-)

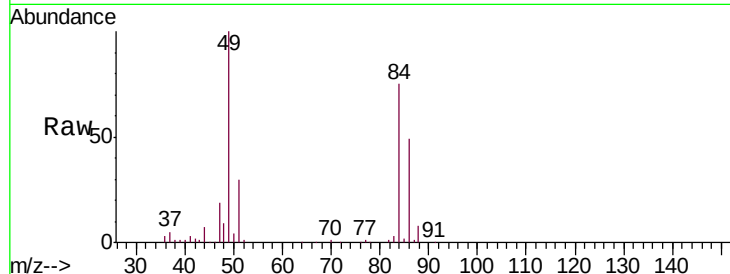




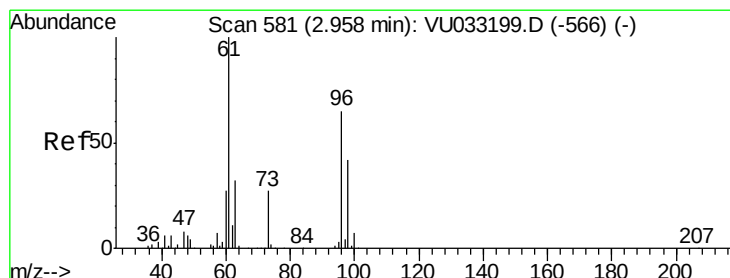
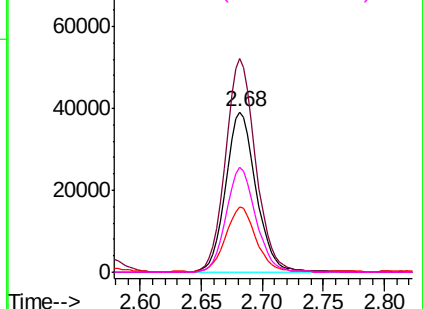
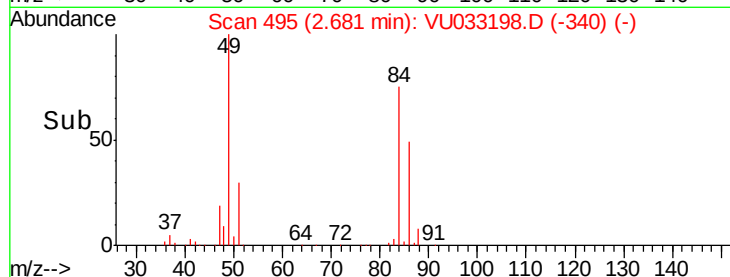
#15
Methylene Chloride
Concen: 4.574 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	84	Resp:	68282
Ion	Ratio	Lower	Upper
84	100		
49	133.0	105.8	158.8
51	40.0	0.0	82.0
86	65.0	50.7	76.1

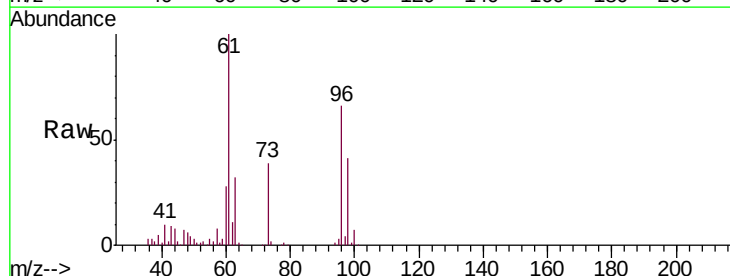


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

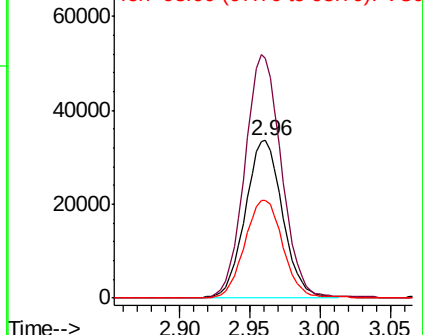
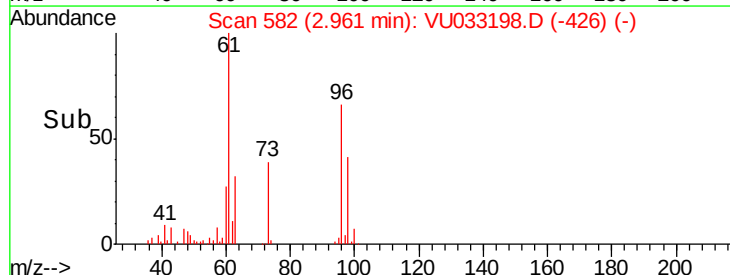


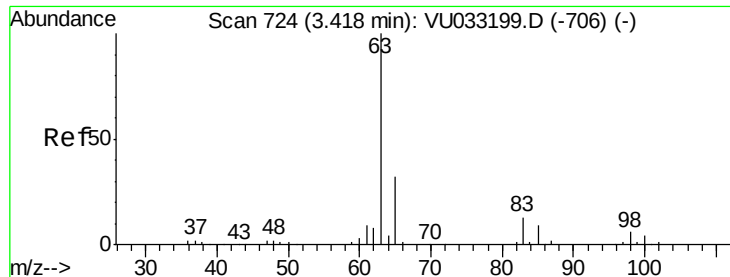
#16
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:	96	Resp:	62258
Ion	Ratio	Lower	Upper
96	100		
61	152.6	122.6	184.0
98	62.5	52.0	78.0



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

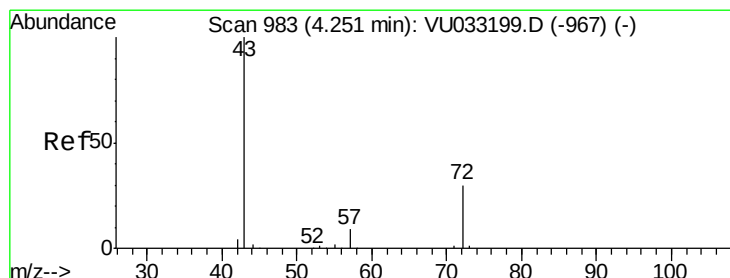
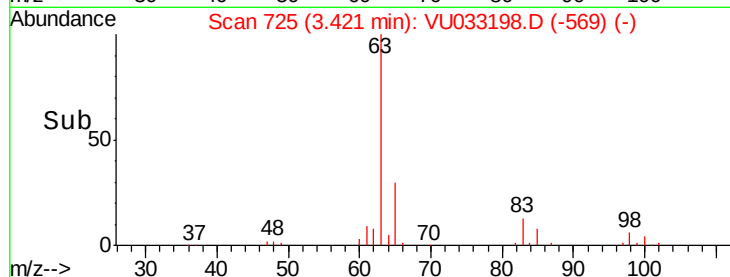
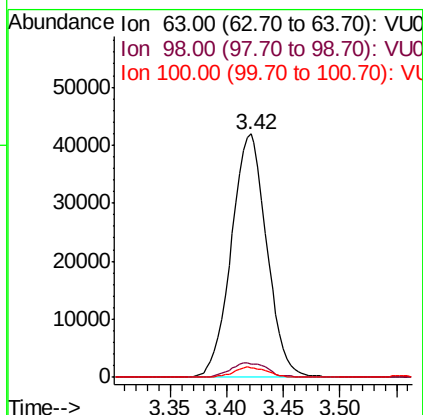
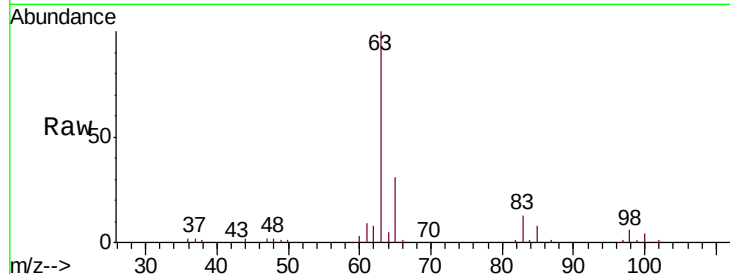




#17
 1,1-Dichloroethane
 Concen: 4.657 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

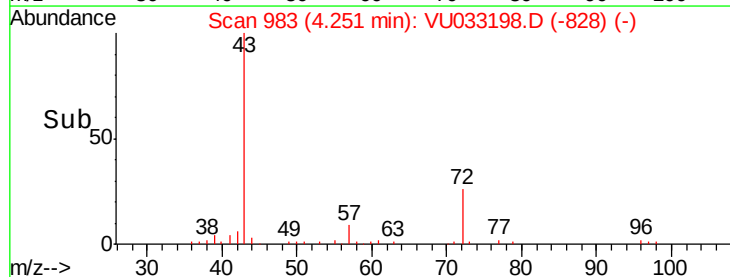
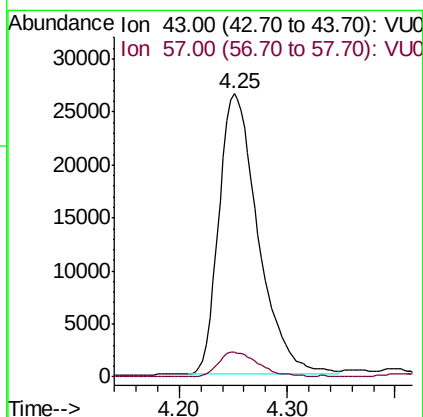
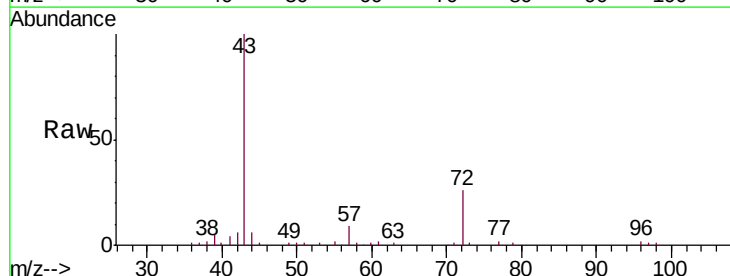
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

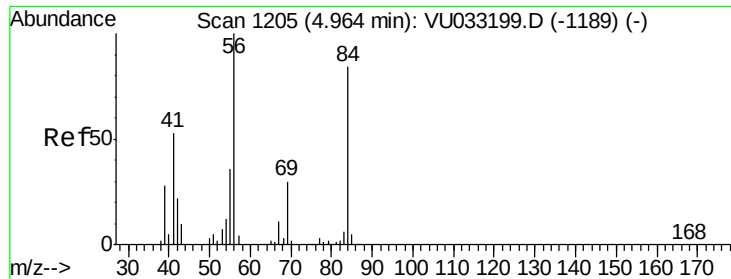
Tgt Ion: 63 Resp: 91300
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.3 9.8
 100 4.1 1.8 5.4



#18
 2-Butanone
 Concen: 26.104 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 43 Resp: 66805
 Ion Ratio Lower Upper
 43 100
 57 8.8 0.0 18.4

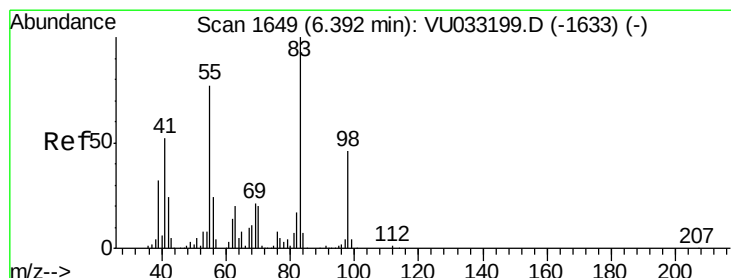
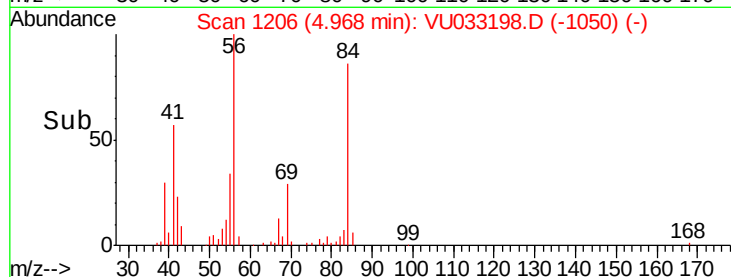
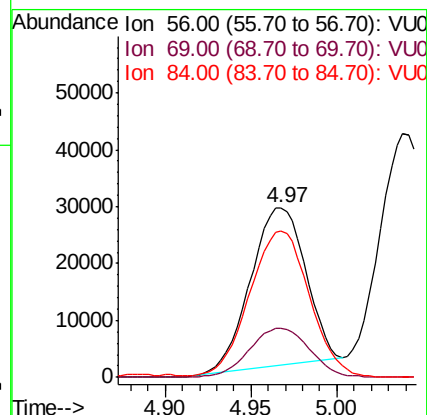
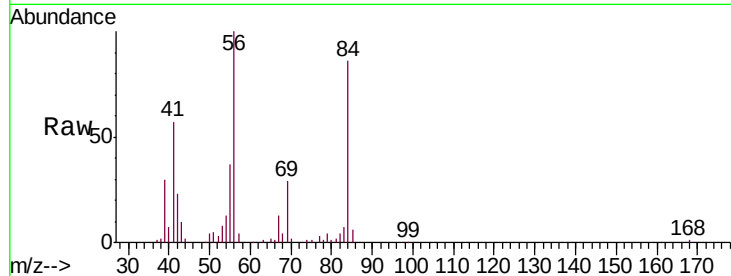




#19
Cyclohexane
Concen: 4.188 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

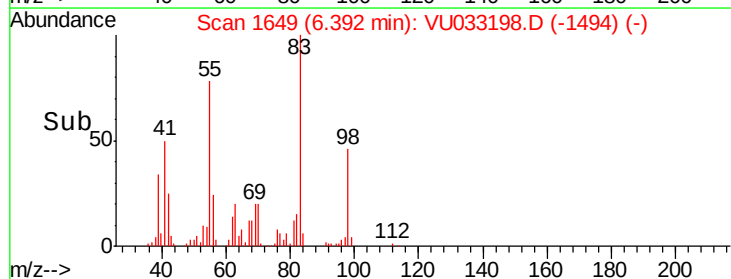
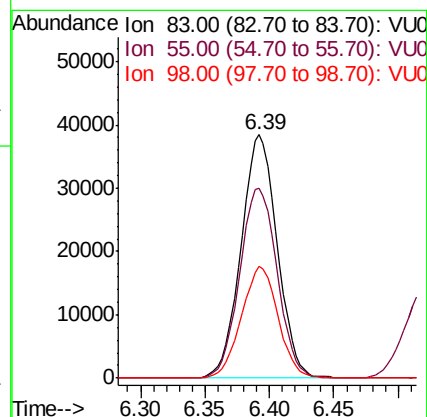
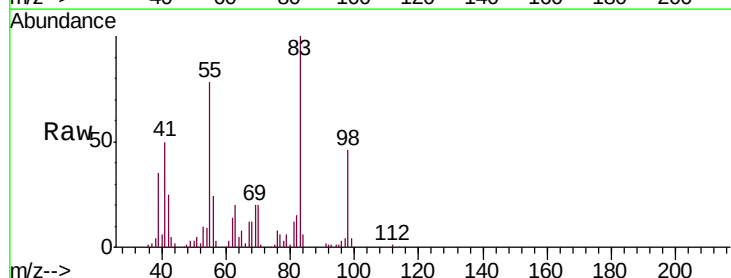
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

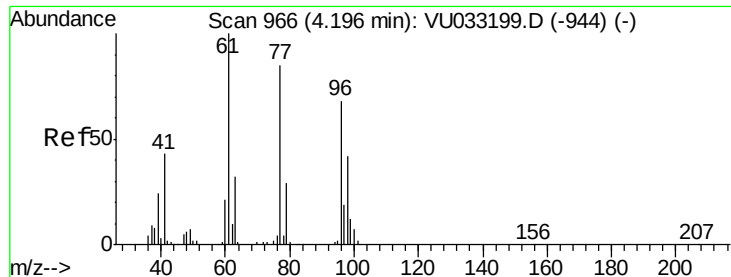
Tgt Ion: 56 Resp: 61929
Ion Ratio Lower Upper
56 100
69 34.1 24.6 37.0
84 99.3 67.5 101.3



#20
Methylcyclohexane
Concen: 5.112 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 83 Resp: 74993
Ion Ratio Lower Upper
83 100
55 80.4 62.0 93.0
98 46.6 36.3 54.5

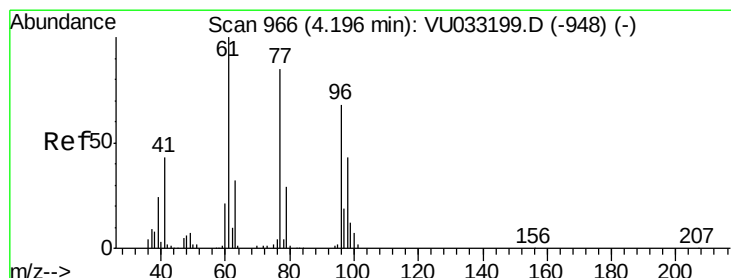
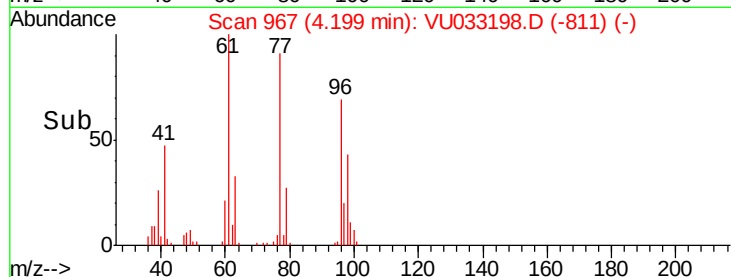
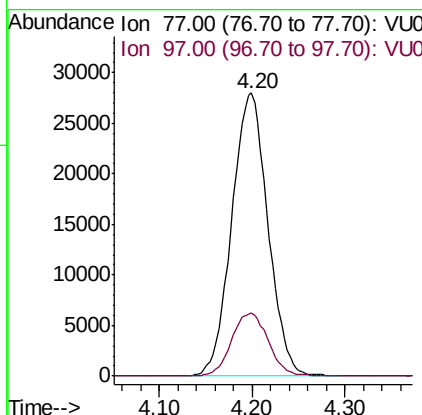
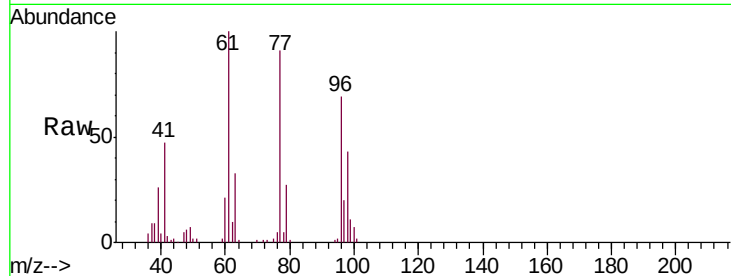




#21
 2,2-Dichloropropane
 Concen: 4.424 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

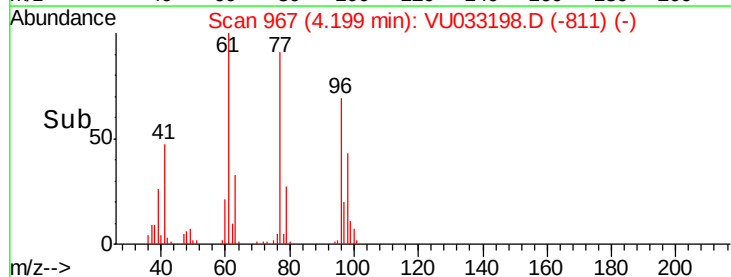
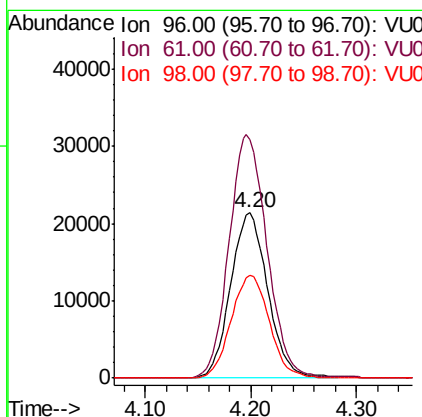
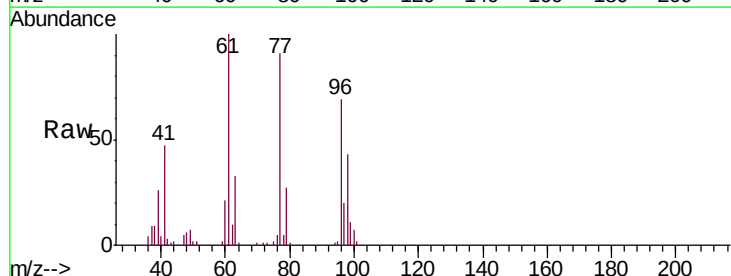
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

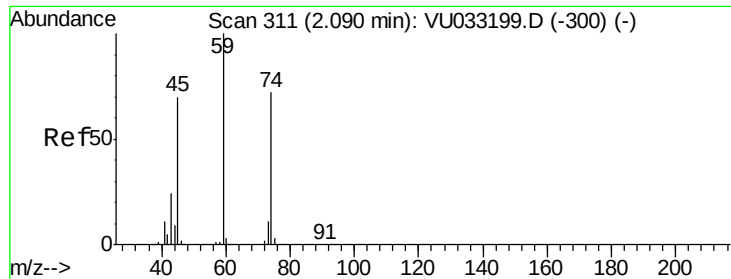
Tgt Ion: 77 Resp: 75639
 Ion Ratio Lower Upper
 77 100
 97 22.6 17.6 26.4



#22
 cis-1,2-Dichloroethene
 Concen: 4.834 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 96 Resp: 52543
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 377.3
 98 63.6 32.3 96.8

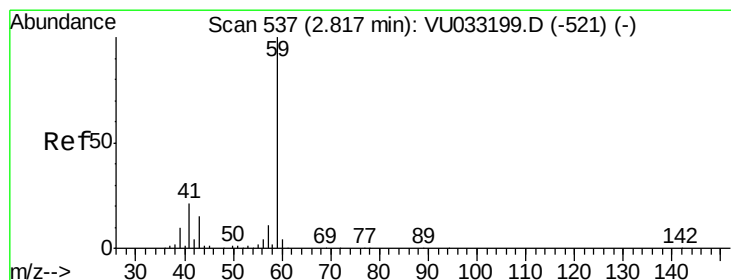
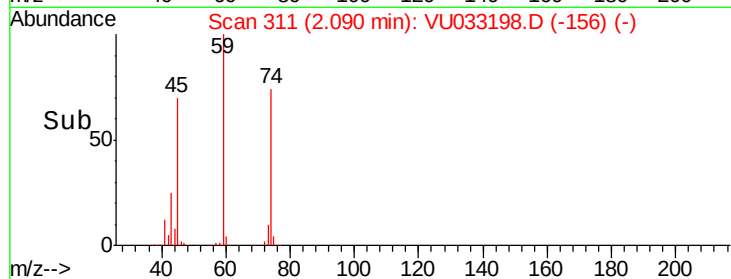
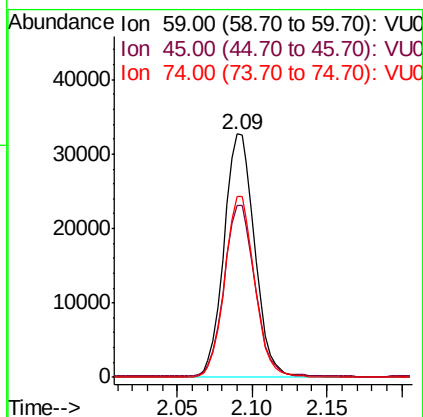
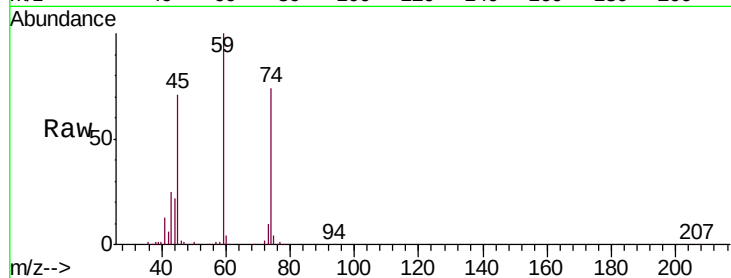




#23
Diethyl Ether
Concen: 4.778 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

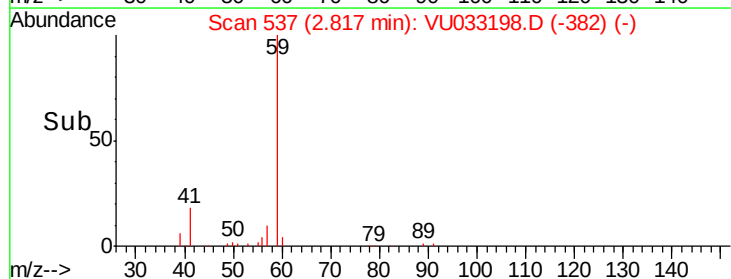
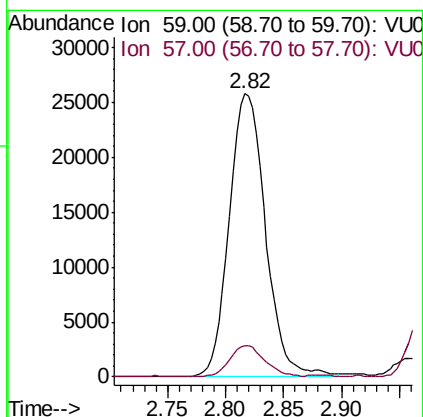
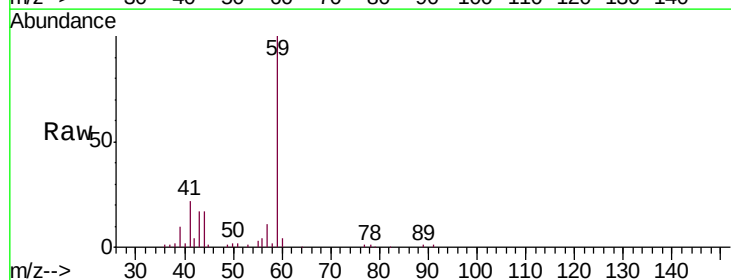
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

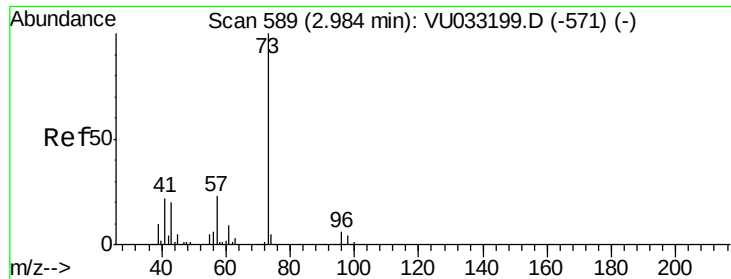
Tgt Ion: 59 Resp: 46729
Ion Ratio Lower Upper
59 100
45 70.4 55.7 83.5
74 72.3 58.1 87.1



#24
tert-Butyl Alcohol
Concen: 44.949 ug/l
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 59 Resp: 55970
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7





#25

Methyl tert-Butyl Ether

Concen: 4.765 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

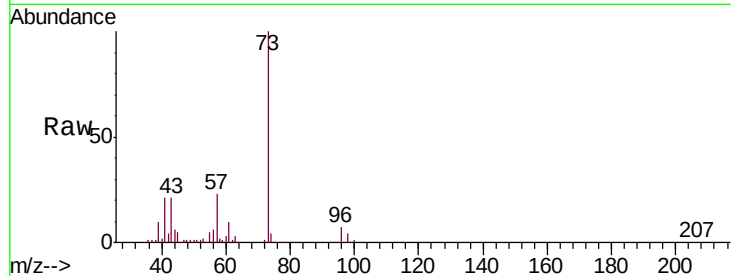
VSTDIC005

Tgt Ion: 73 Resp: 157271

Ion Ratio Lower Upper

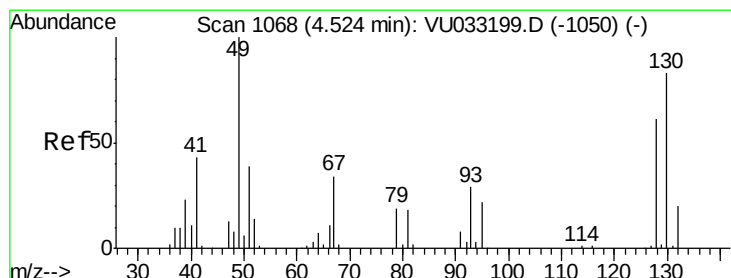
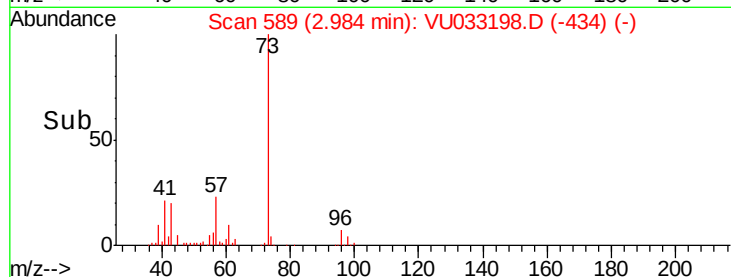
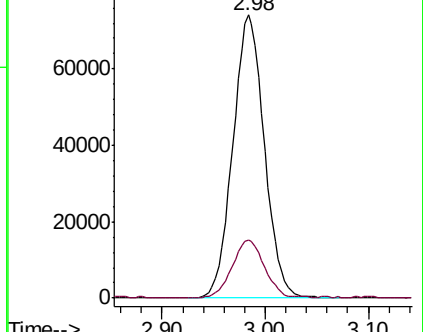
73 100

43 20.6 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VU033198.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033198.D (-571) (-)



#26

Bromochloromethane

Concen: 4.638 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

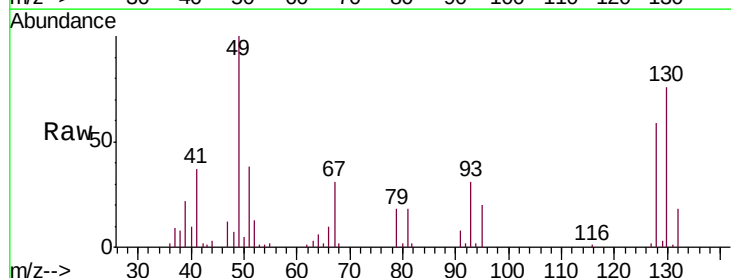
Tgt Ion: 128 Resp: 22458

Ion Ratio Lower Upper

128 100

49 170.7 0.0 328.6

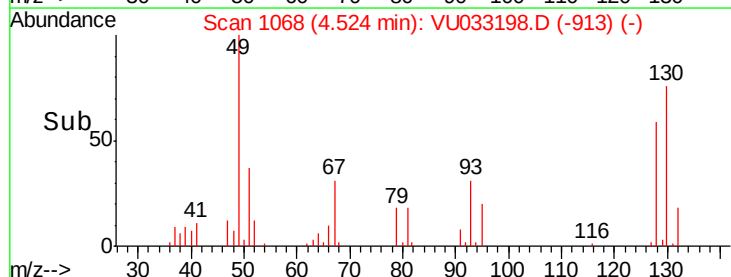
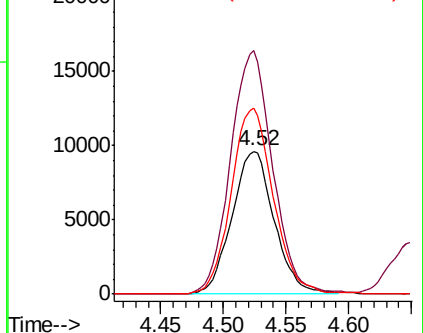
130 130.4 104.1 156.1

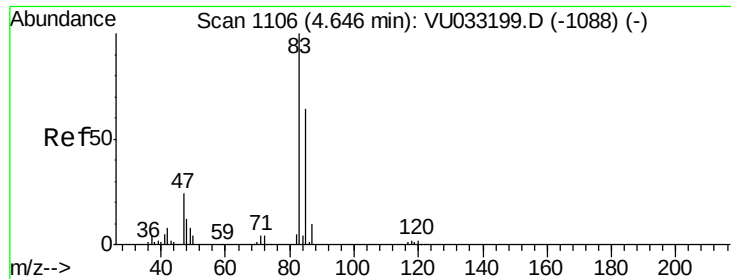


Abundance Ion 128.00 (127.70 to 128.70): VU033198.D (-913) (-)

Ion 49.00 (48.70 to 49.70): VU033198.D (-913) (-)

Ion 130.00 (129.70 to 130.70): VU033198.D (-913) (-)

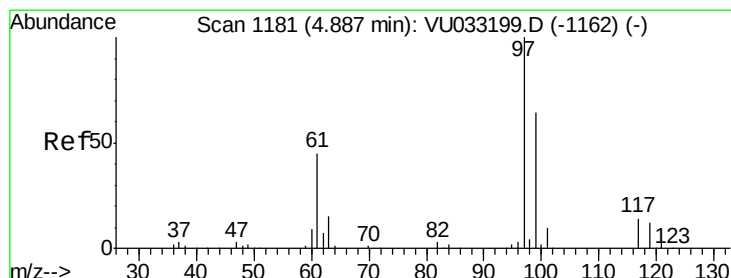
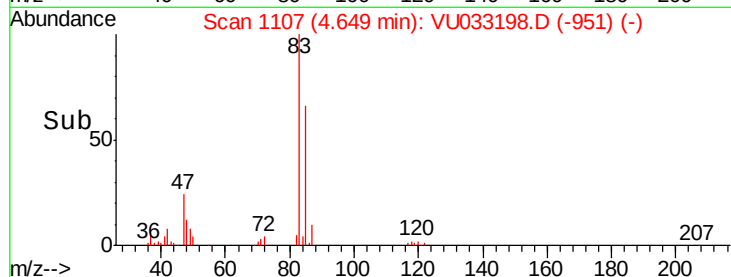
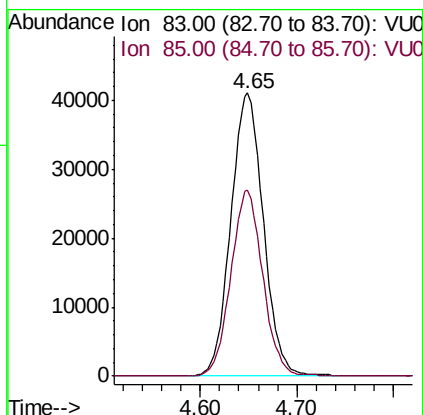
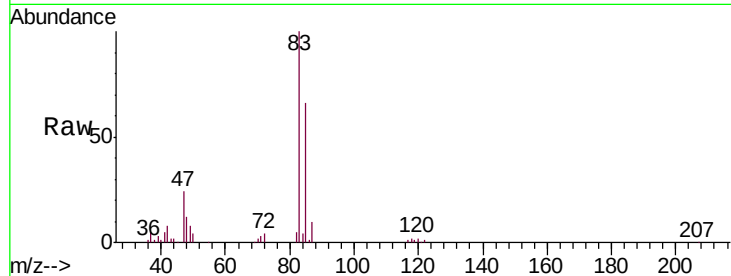




#27
Chloroform
Concen: 4.378 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

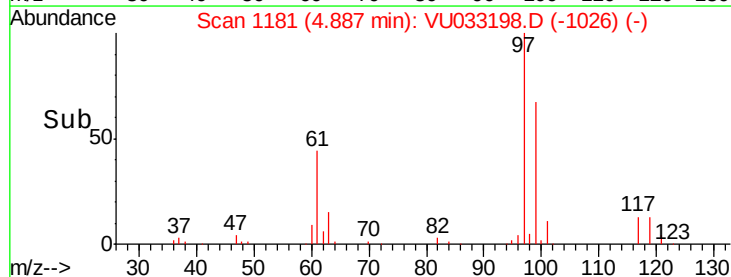
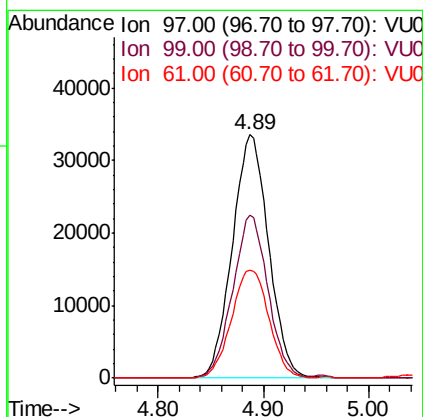
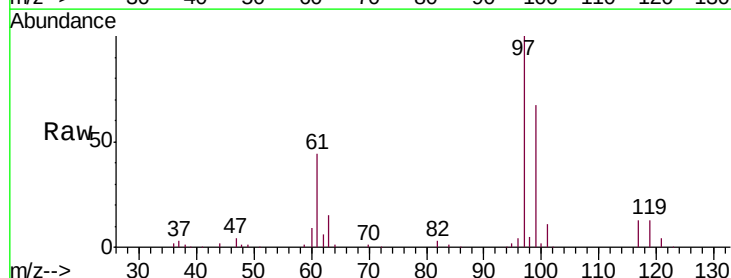
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

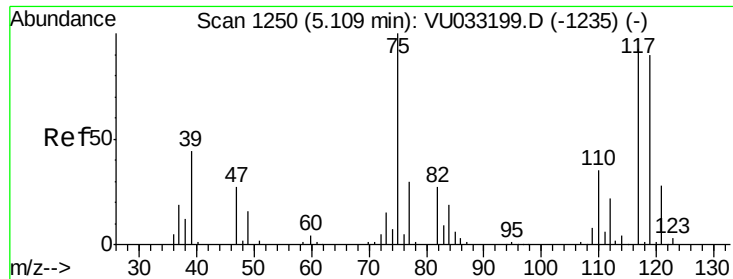
Tgt Ion: 83 Resp: 95794
Ion Ratio Lower Upper
83 100
85 65.9 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 4.676 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 97 Resp: 80160
Ion Ratio Lower Upper
97 100
99 64.9 31.9 95.5
61 46.0 22.6 67.7

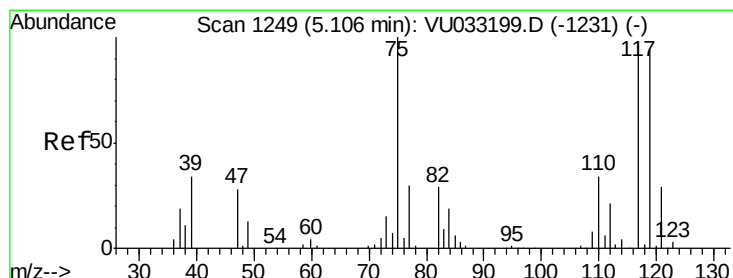
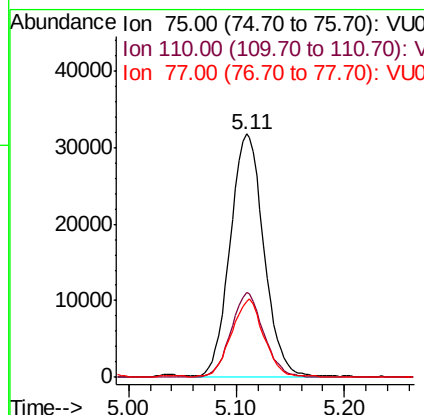
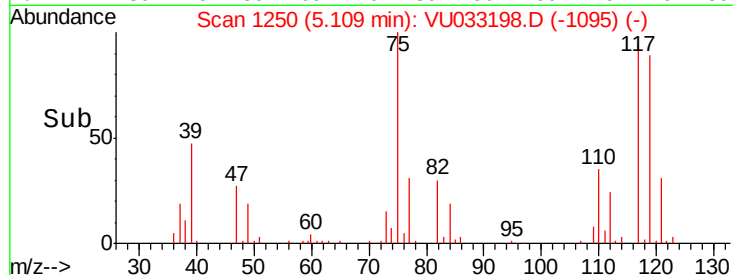
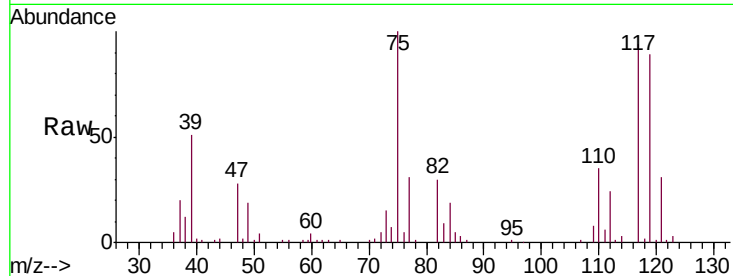




#29
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

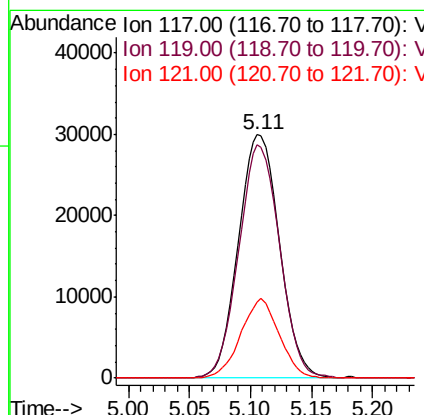
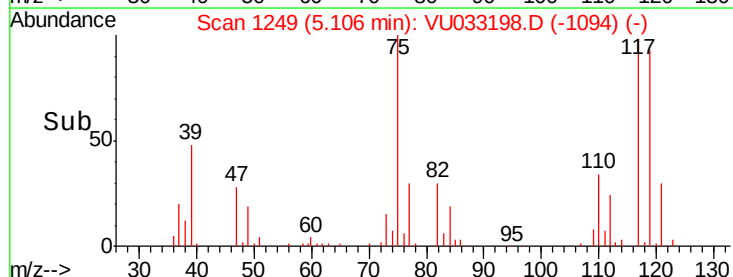
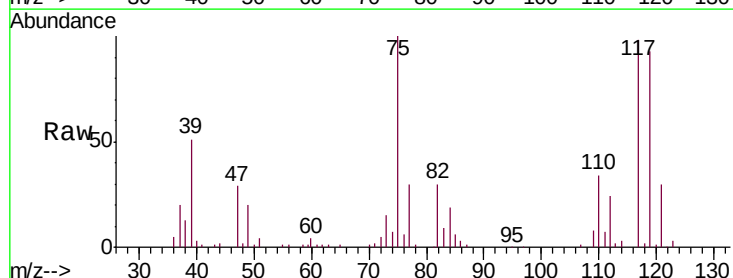
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

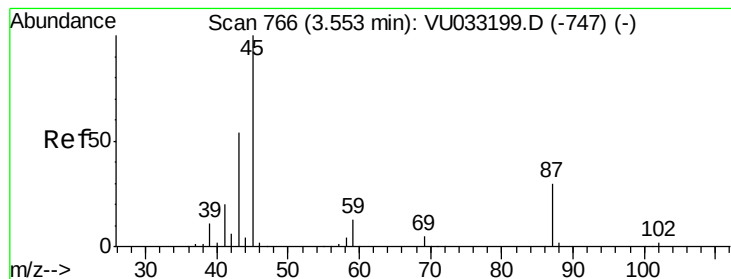
Tgt Ion: 75 Resp: 68300
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.5 52.6
 77 31.5 24.6 37.0



#30
 Carbon Tetrachloride
 Concen: 4.558 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 117 Resp: 69868
 Ion Ratio Lower Upper
 117 100
 119 95.8 77.4 116.0
 121 31.3 24.2 36.2





#31

Isopropyl Ether

Concen: 4.736 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

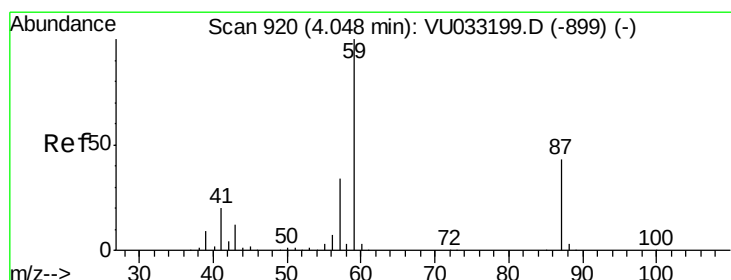
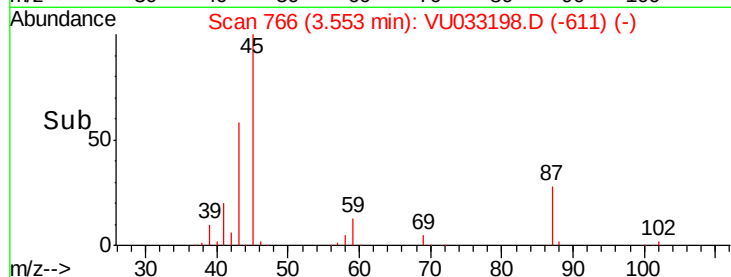
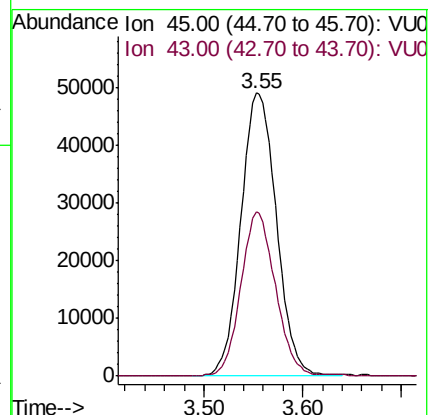
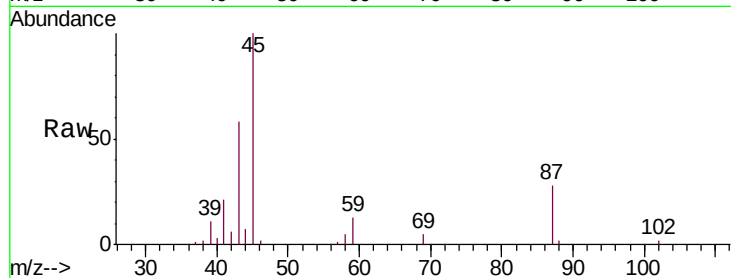
VSTDIC005

Tgt Ion: 45 Resp: 122655

Ion Ratio Lower Upper

45 100

43 56.4 27.3 81.8



#32

Ethyl-t-butyl ether

Concen: 4.738 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033198.D

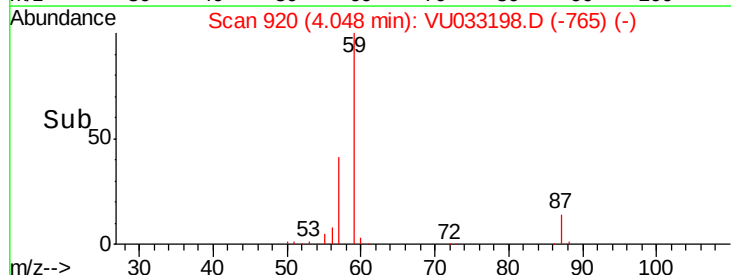
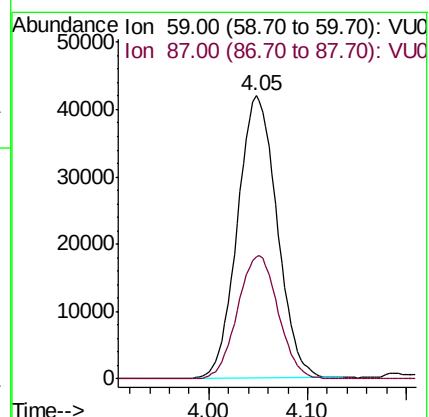
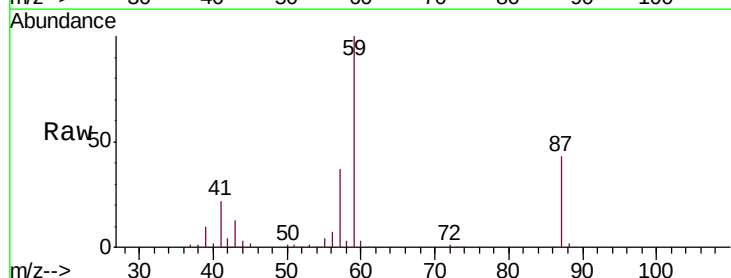
Acq: 11 Jul 2019 18:14

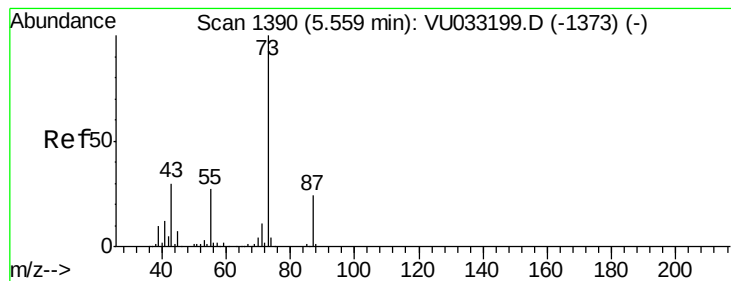
Tgt Ion: 59 Resp: 116990

Ion Ratio Lower Upper

59 100

87 44.8 34.5 51.7



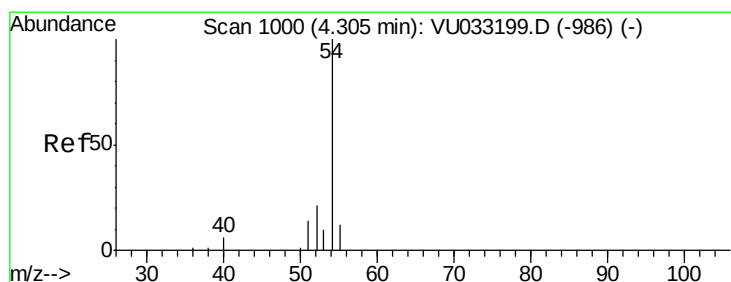
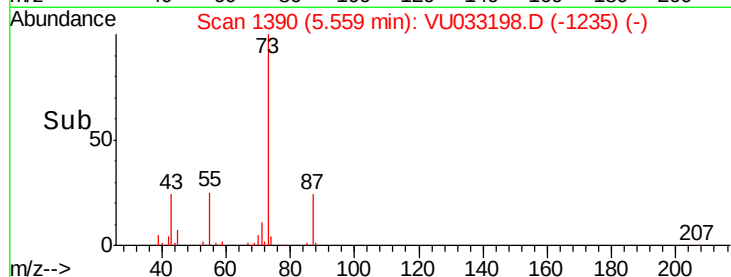
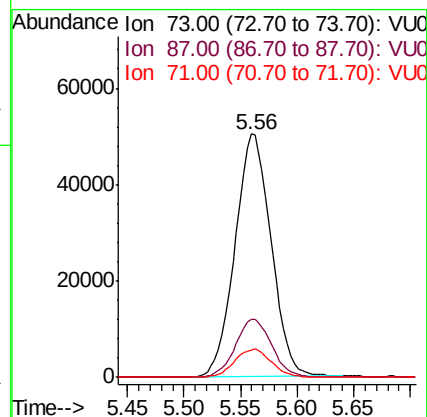
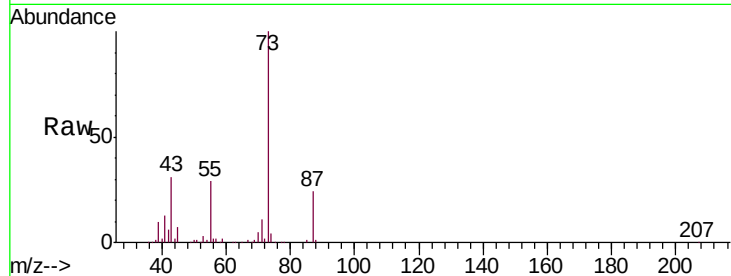


#33

Tert-Amyl methyl ether
 Concen: 5.031 ug/l
 RT: 5.56 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

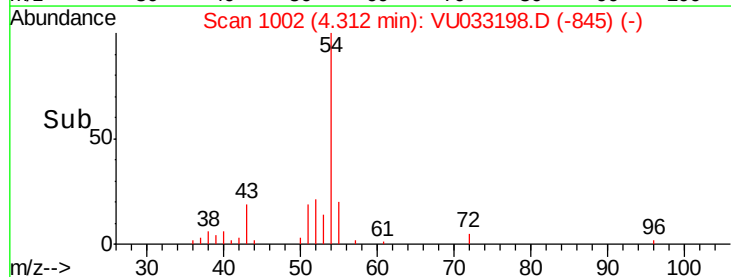
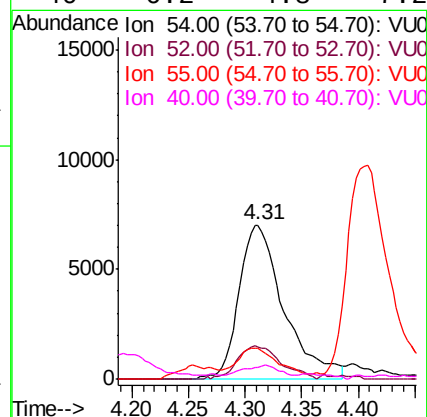
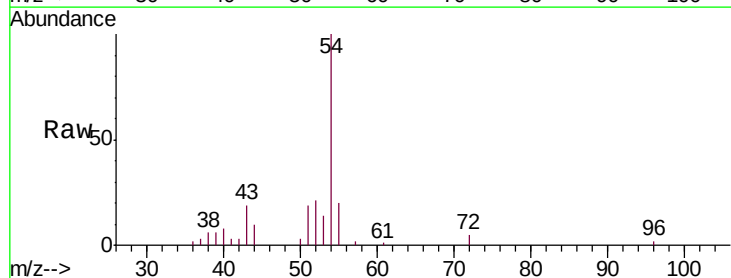
Tgt Ion: 73 Resp: 111999
 Ion Ratio Lower Upper
 73 100
 87 24.0 19.8 29.6
 71 11.8 9.1 13.7

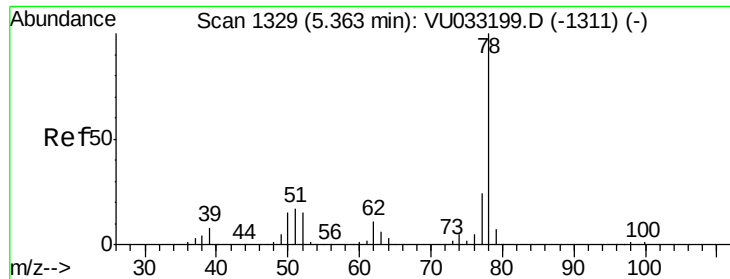


#34

Propionitrile
 Concen: 26.203 ug/l
 RT: 4.31 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 54 Resp: 19413
 Ion Ratio Lower Upper
 54 100
 52 20.5 16.7 25.1
 55 14.0 12.9 19.3
 40 6.2 4.8 7.2





#35

Benzene

Concen: 4.828 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

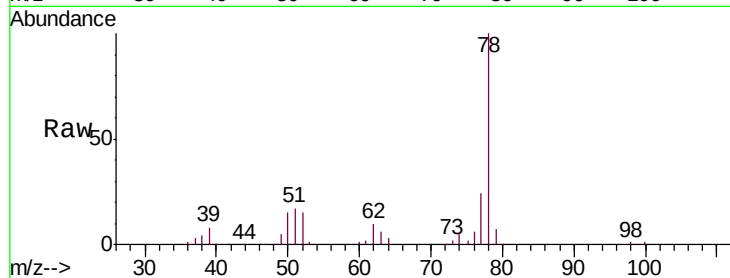
VSTDIC005

Tgt Ion: 78 Resp: 199218

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033198.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033198.D (-1311) (-)

5.36

100000

80000

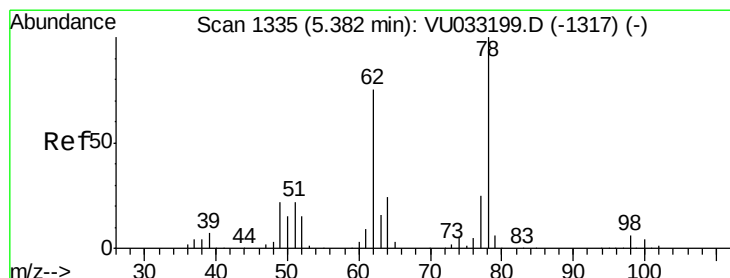
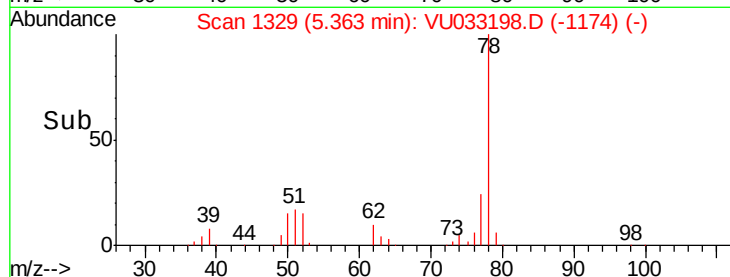
60000

40000

20000

0

Time--> 5.25 5.30 5.35 5.40 5.45



#36

1,2-Dichloroethane

Concen: 4.727 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033198.D

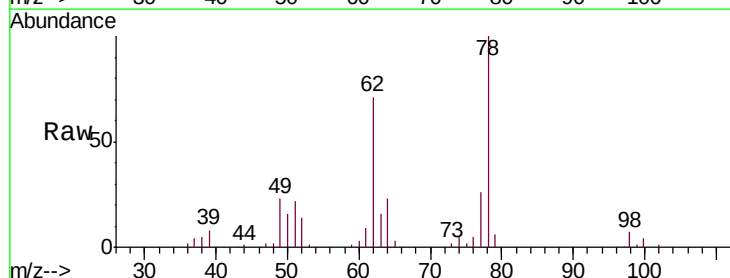
Acq: 11 Jul 2019 18:14

Tgt Ion: 62 Resp: 62983

Ion Ratio Lower Upper

62 100

98 8.6 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033198.D (-1335) (-)

Ion 98.00 (97.70 to 98.70): VU033198.D (-1335) (-)

5.38

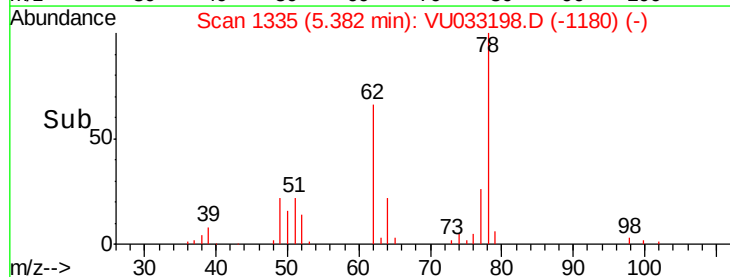
30000

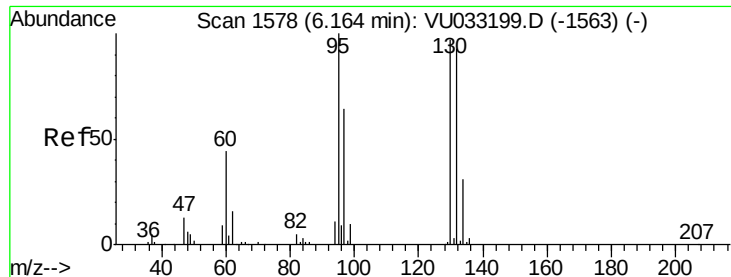
20000

10000

0

Time--> 5.30 5.35 5.40 5.45





#37

Trichloroethene

Concen: 4.829 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

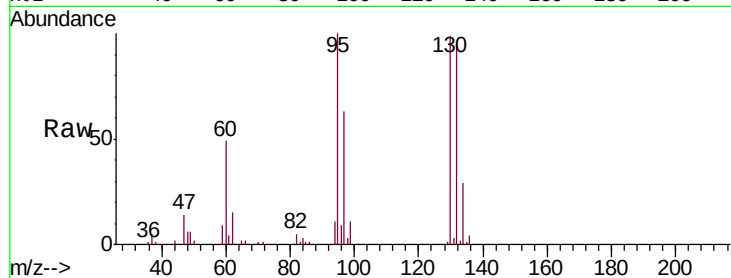
VSTDIC005

Tgt Ion:130 Resp: 51416

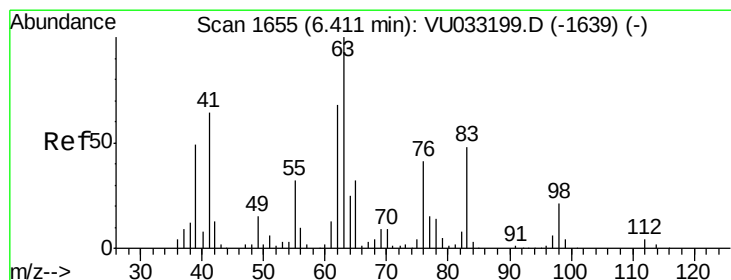
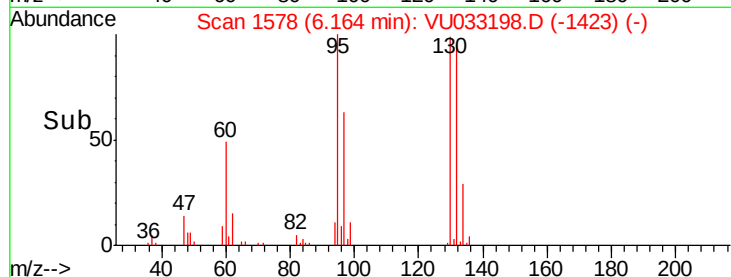
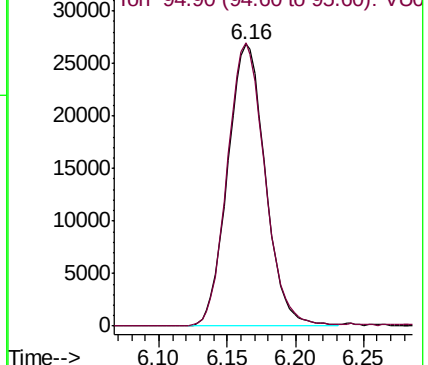
Ion Ratio Lower Upper

130 100

95 100.5 82.4 123.6



Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)



#38

1,2-Dichloropropane

Concen: 4.723 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033198.D

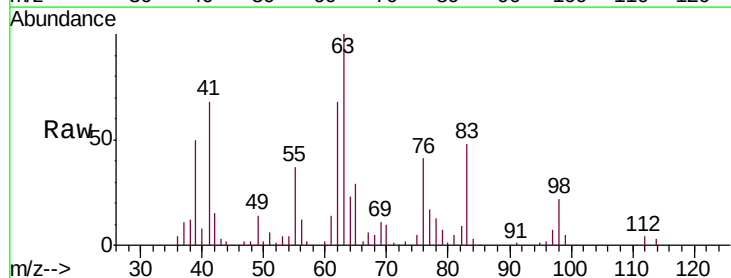
Acq: 11 Jul 2019 18:14

Tgt Ion: 63 Resp: 53667

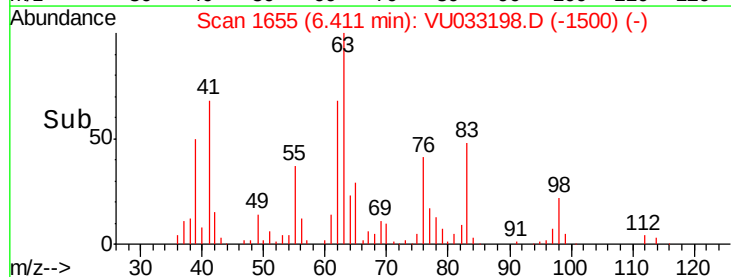
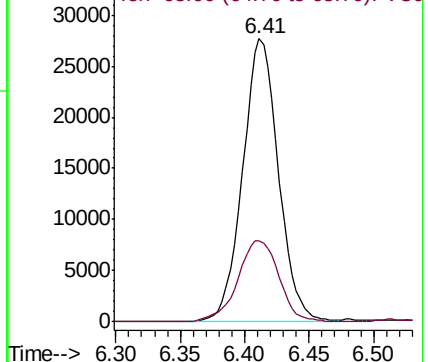
Ion Ratio Lower Upper

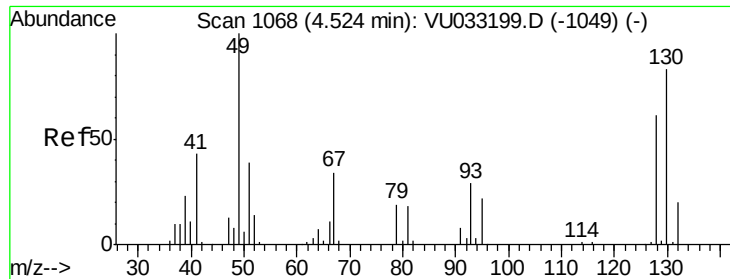
63 100

65 28.9 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)

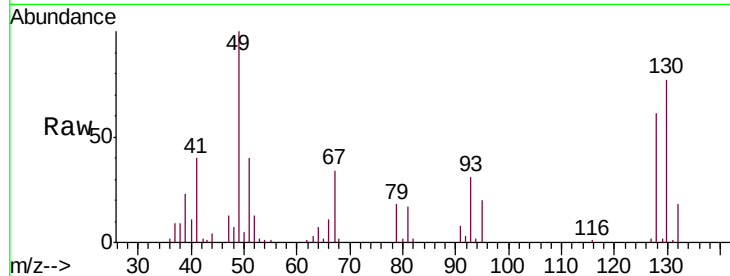




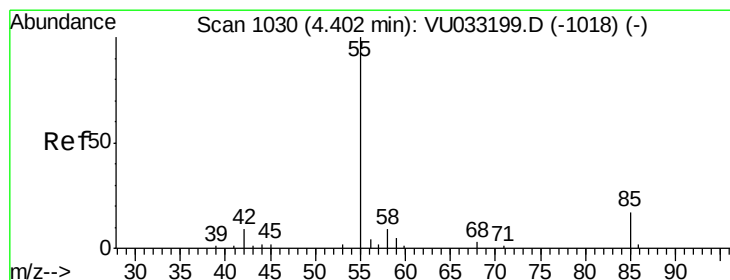
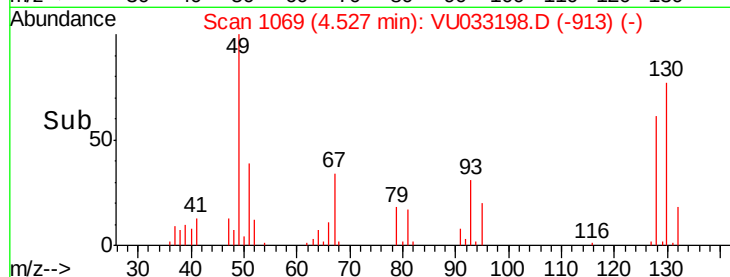
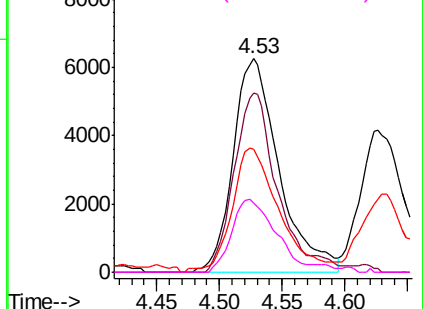
#39
Methacrylonitrile
Concen: 5.184 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	15933
Ion	Ratio	Lower	Upper
41	100		
67	79.2	61.0	91.4
39	54.9	44.4	66.6
52	32.4	25.7	38.5

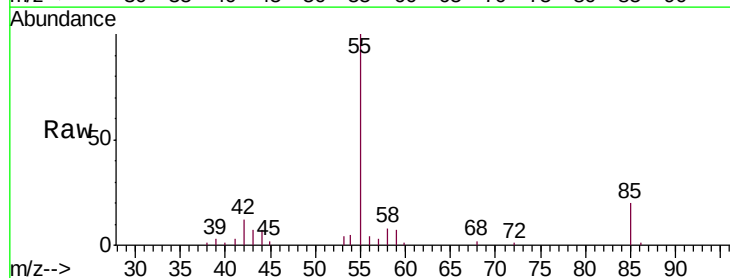


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

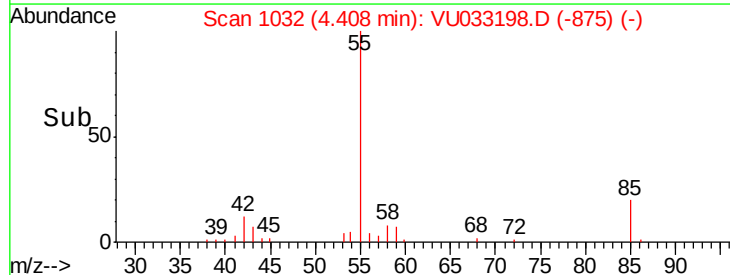
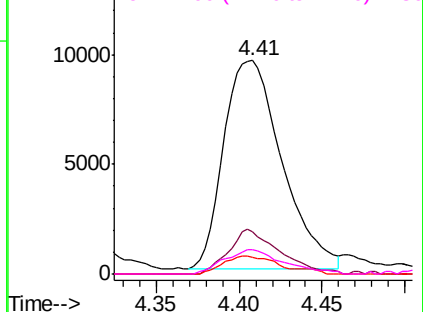


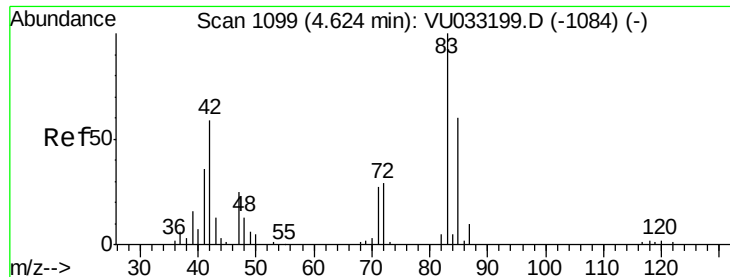
#40
Methyl acrylate
Concen: 5.003 ug/l
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:	55	Resp:	23197
Ion	Ratio	Lower	Upper
55	100		
85	18.6	13.0	19.6
58	8.5	7.0	10.4
42	11.9	7.8	11.8#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 10.616 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

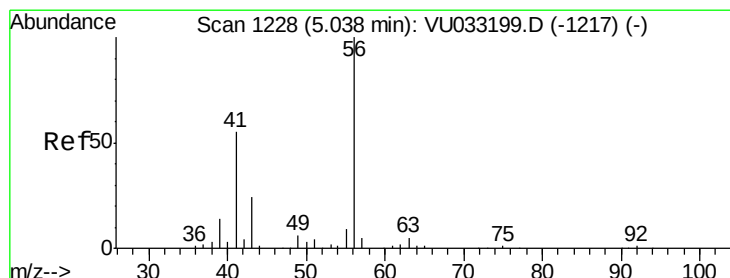
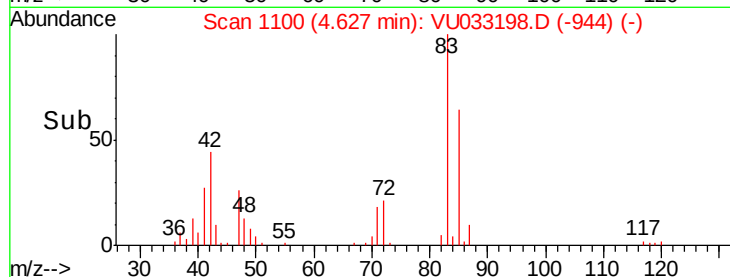
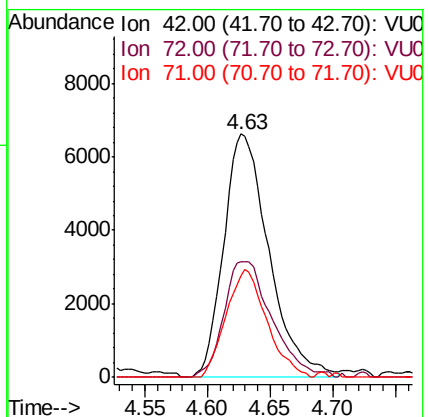
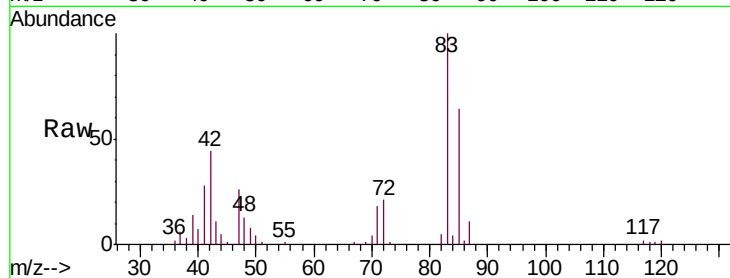
Tgt Ion: 42 Resp: 16643

Ion Ratio Lower Upper

42 100

72 50.2 40.7 61.1

71 39.7 35.4 53.0



#42

1-Chlorobutane

Concen: 4.817 ug/l

RT: 5.04 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VU033198.D

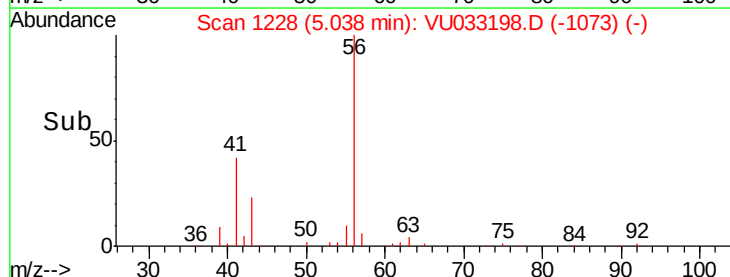
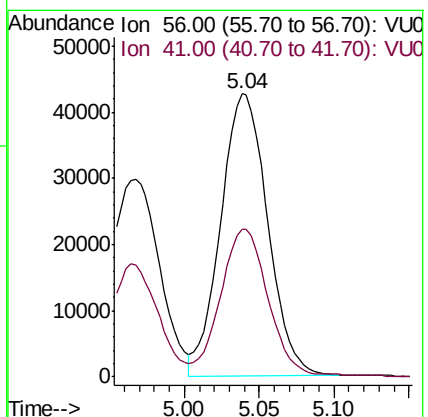
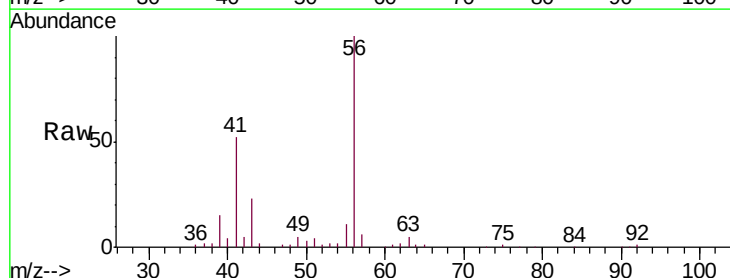
Acq: 11 Jul 2019 18:14

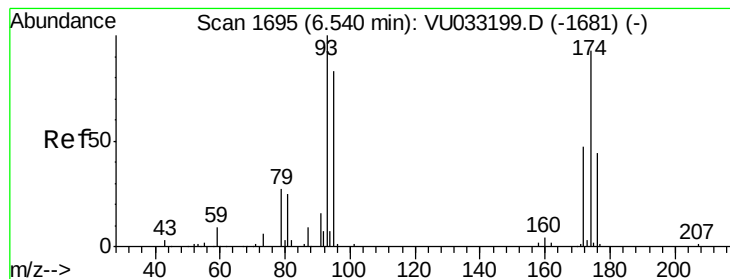
Tgt Ion: 56 Resp: 92877

Ion Ratio Lower Upper

56 100

41 52.4 26.5 79.4





#43

Dibromomethane

Concen: 4.857 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

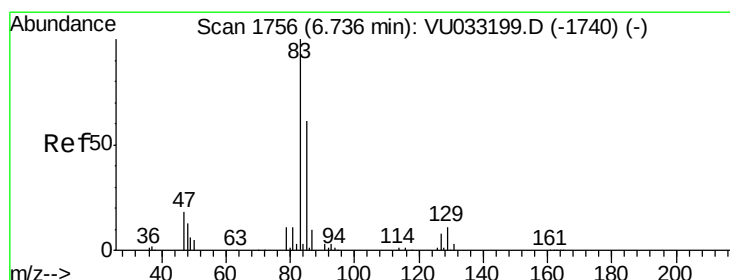
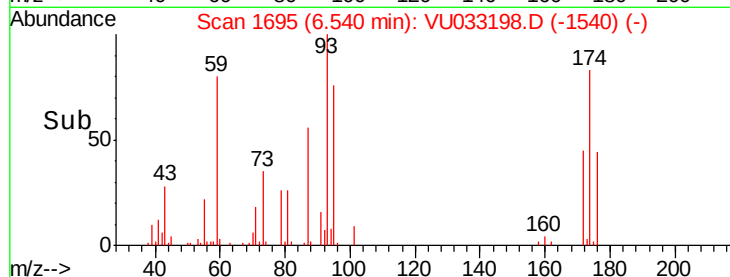
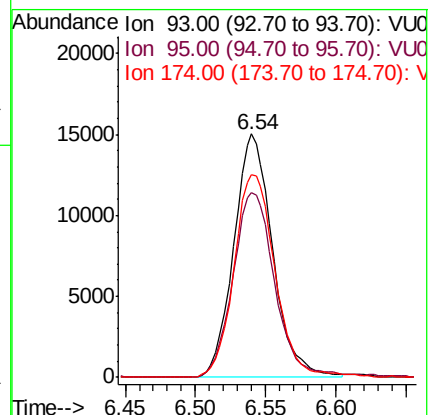
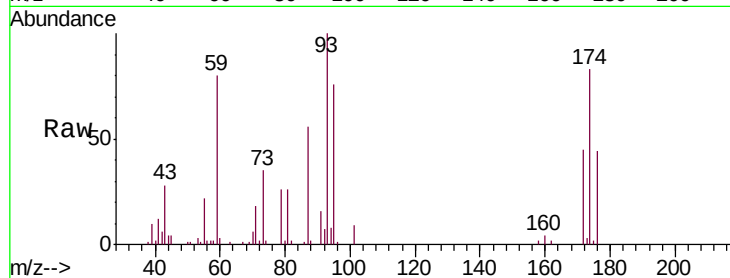
Tgt Ion: 93 Resp: 28952

Ion Ratio Lower Upper

93 100

95 82.3 67.5 101.3

174 88.2 74.2 111.2



#44

Bromodichloromethane

Concen: 4.641 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

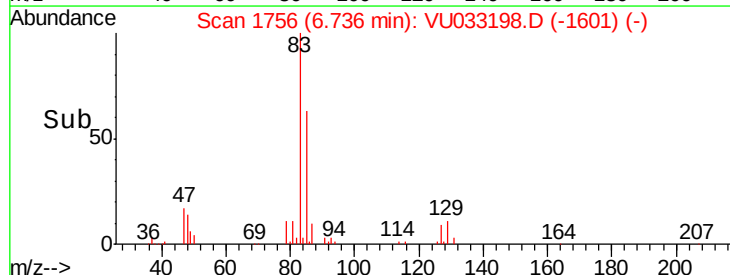
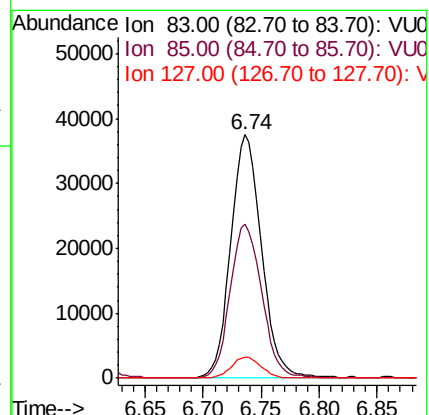
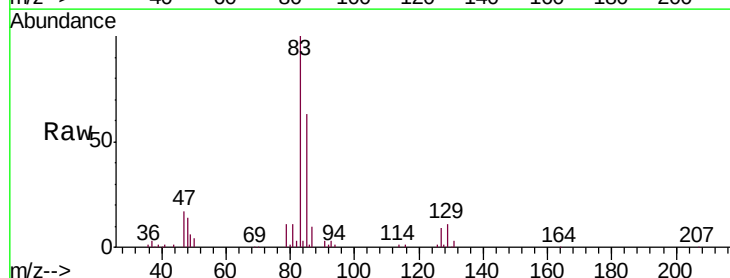
Tgt Ion: 83 Resp: 68871

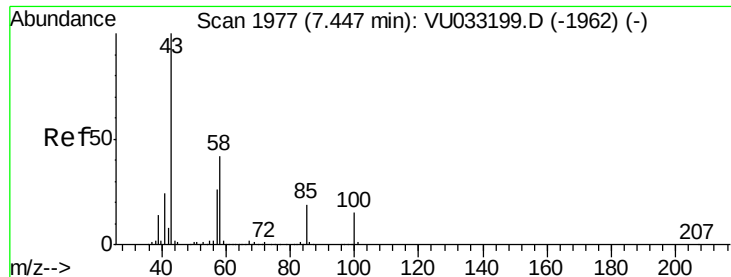
Ion Ratio Lower Upper

83 100

85 63.2 49.1 73.7

127 8.5 6.6 9.8





#45

4-Methyl-2-Pentanone

Concen: 25.764 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

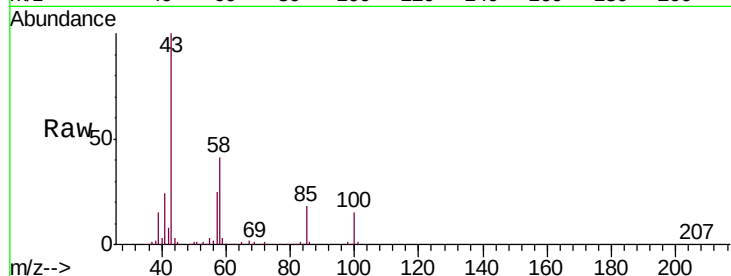
Tgt Ion: 43 Resp: 162928

Ion Ratio Lower Upper

43 100

58 40.4 20.4 61.2

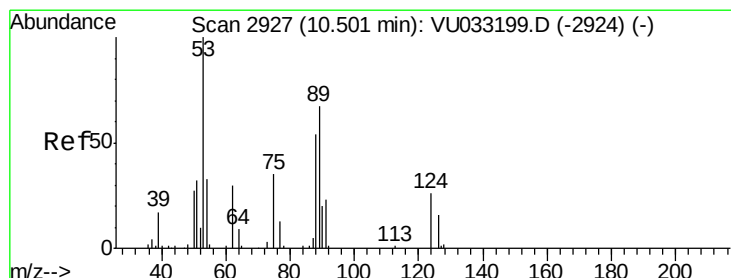
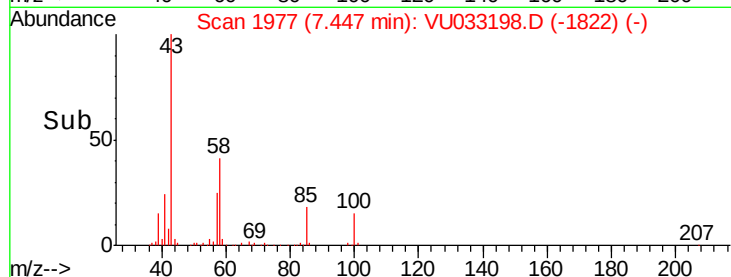
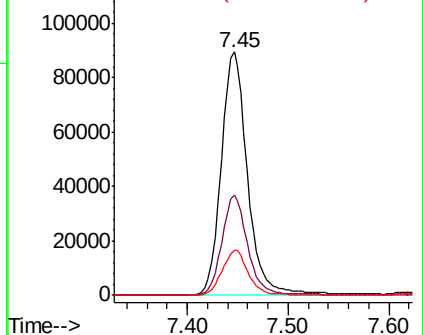
85 18.4 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VU033198.D (-1962) (-)

Ion 58.00 (57.70 to 58.70): VU033198.D (-1962) (-)

Ion 85.00 (84.70 to 85.70): VU033198.D (-1962) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 11.484 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.02 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion: 75 Resp: 32788

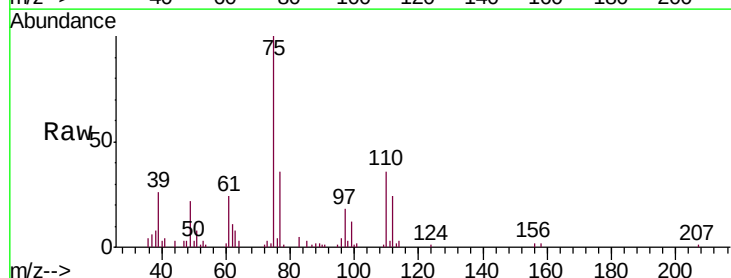
Ion Ratio Lower Upper

75 100

53 70.3 63.8 95.6

89 47.6 44.0 66.0

88 38.5 34.0 51.0

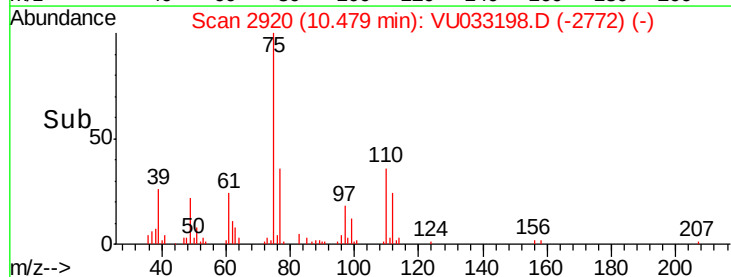
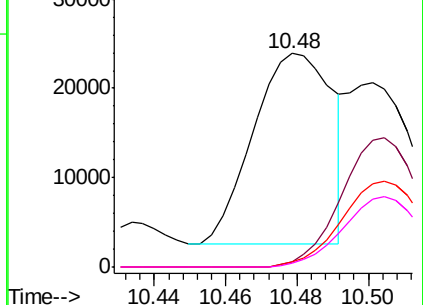


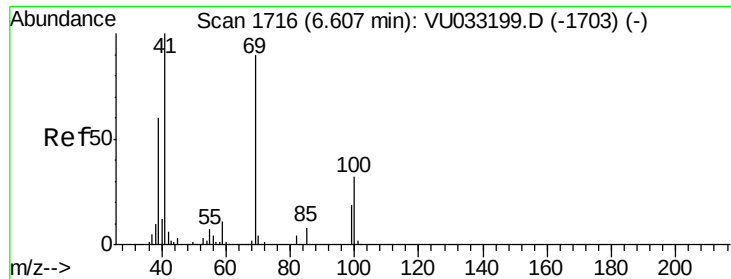
Abundance Ion 74.90 (74.60 to 75.60): VU033198.D (-2772) (-)

Ion 53.00 (52.70 to 53.70): VU033198.D (-2772) (-)

Ion 88.80 (88.50 to 89.50): VU033198.D (-2772) (-)

Ion 87.80 (87.50 to 88.50): VU033198.D (-2772) (-)

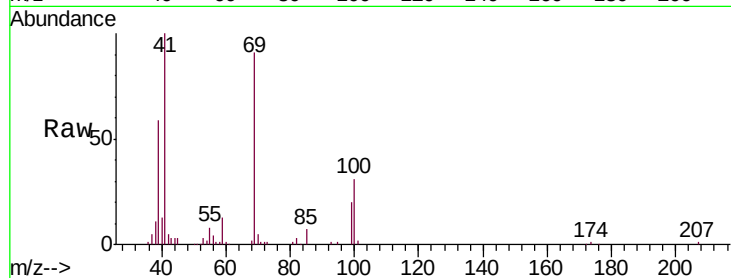




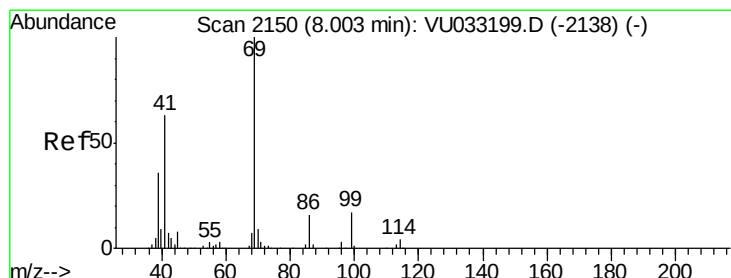
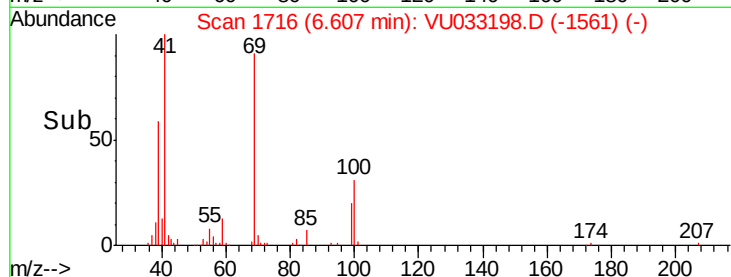
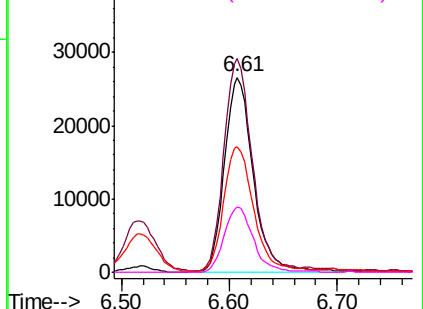
#47
Methyl methacrylate
Concen: 10.734 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 69 Resp: 49654
Ion Ratio Lower Upper
69 100
41 106.7 0.0 217.0
39 65.5 52.1 78.1
100 33.7 28.2 42.4

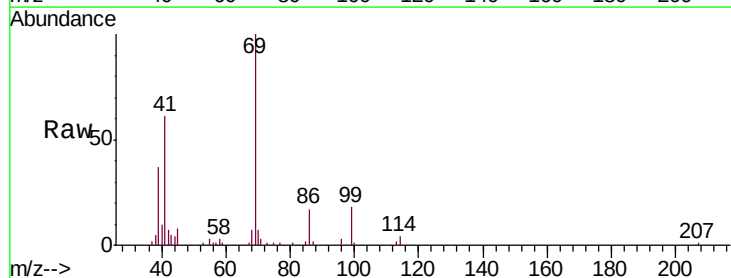


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

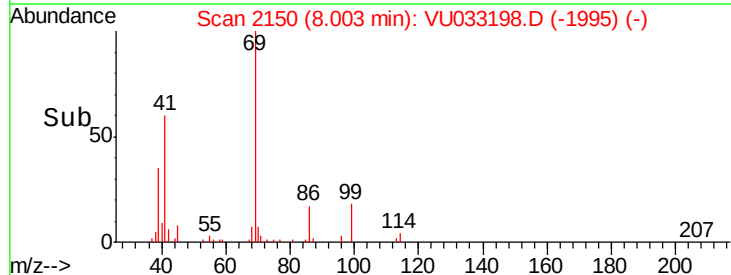
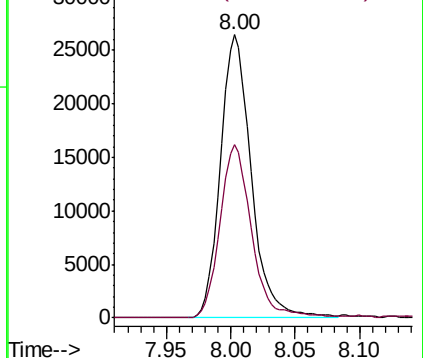


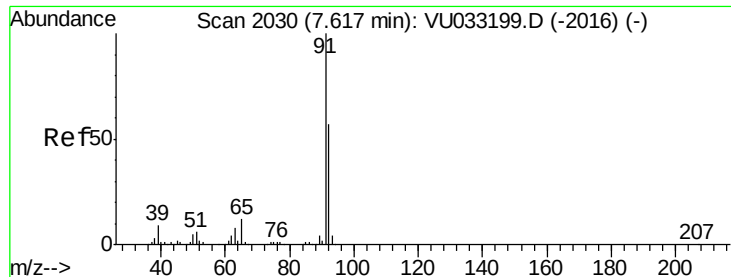
#48
Ethyl methacrylate
Concen: 5.126 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 69 Resp: 43901
Ion Ratio Lower Upper
69 100
41 63.1 31.3 93.8



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





#49

Toluene

Concen: 4.930 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

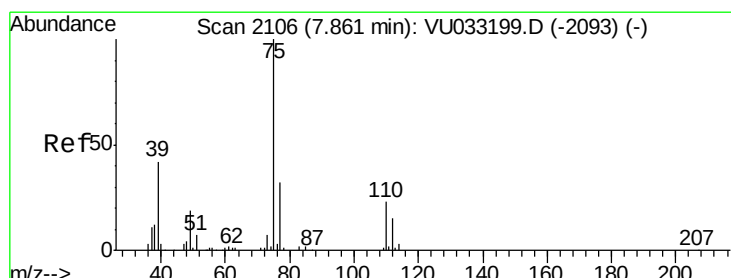
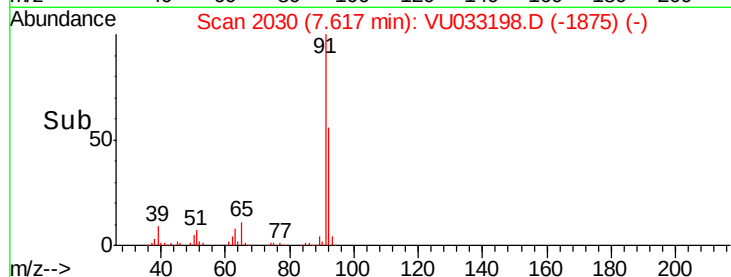
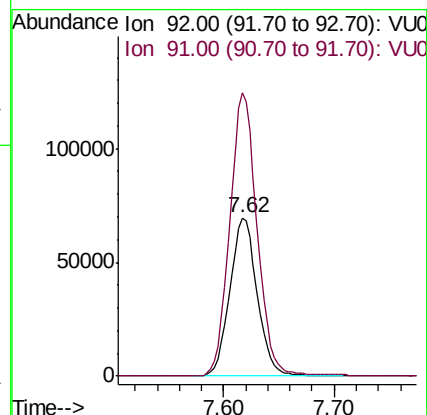
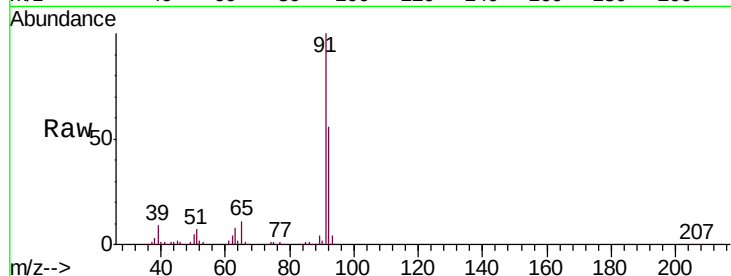
VSTDIC005

Tgt Ion: 92 Resp: 119830

Ion Ratio Lower Upper

92 100

91 178.1 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 4.965 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033198.D

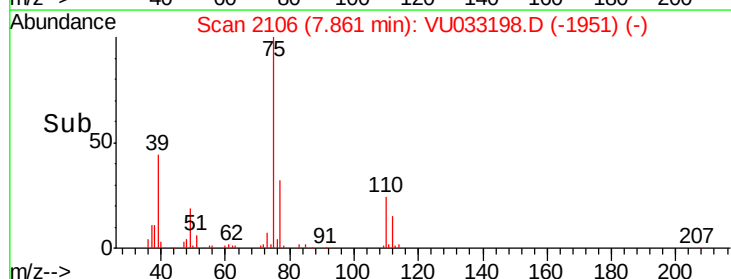
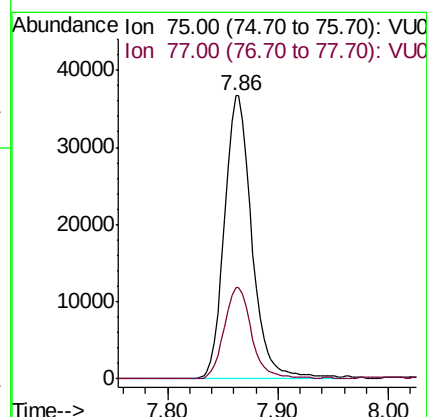
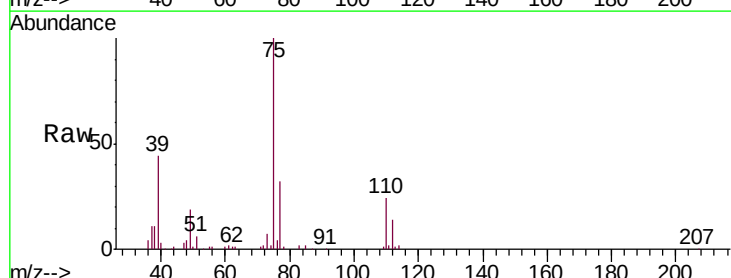
Acq: 11 Jul 2019 18:14

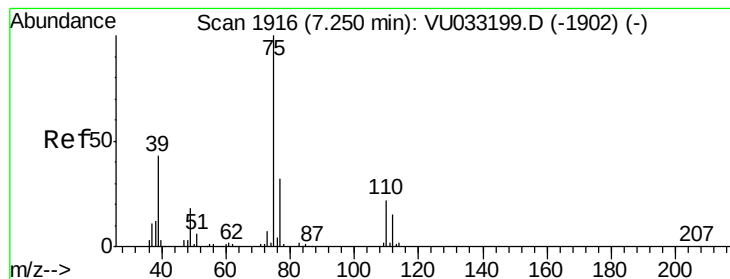
Tgt Ion: 75 Resp: 63567

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



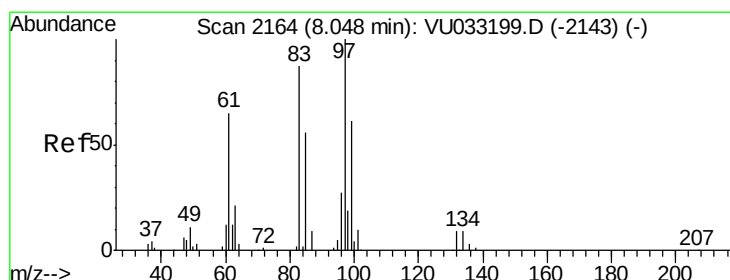
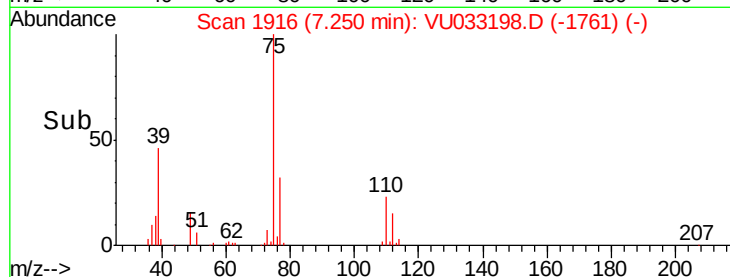
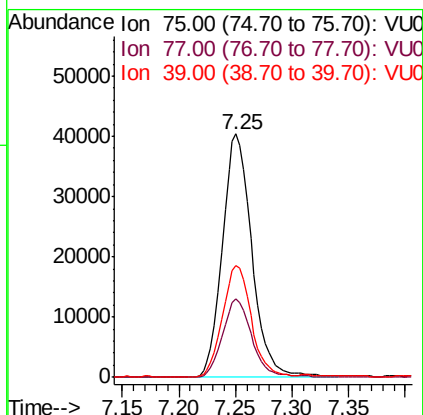
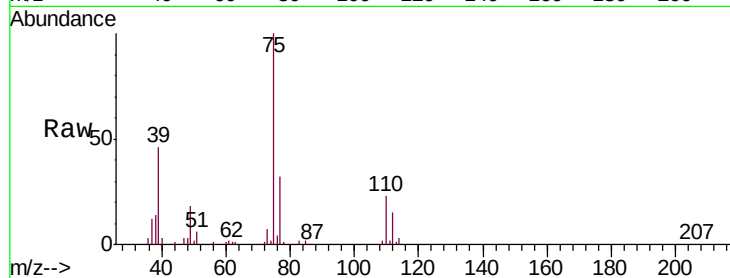


#51

cis-1,3-Dichloropropene
Concen: 4.884 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

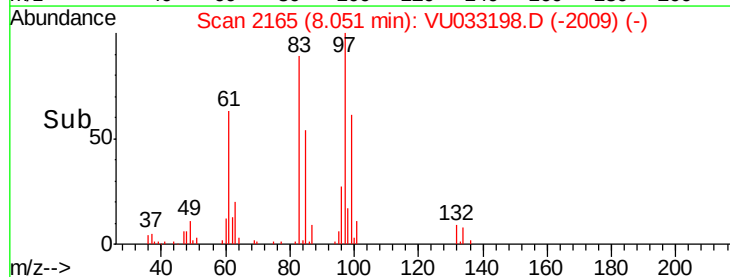
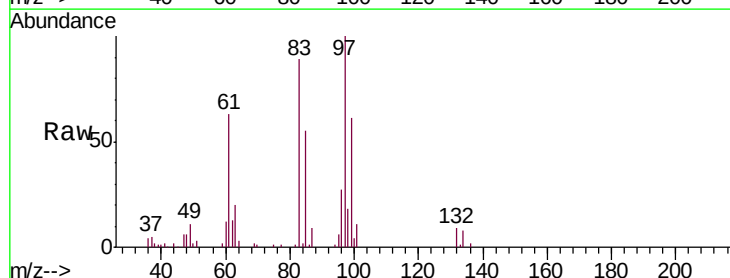
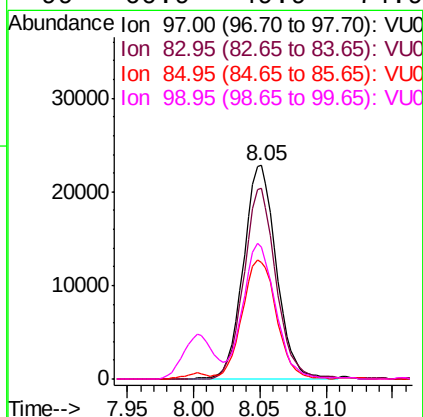
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	45.7	34.5	51.7

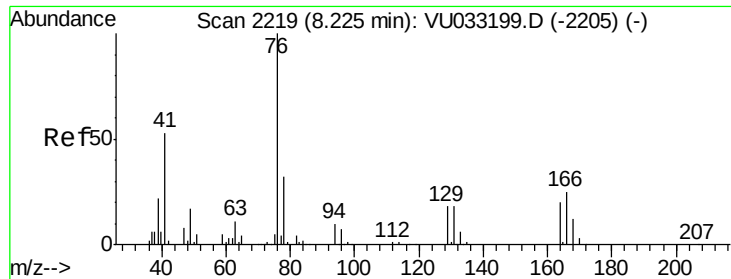


#52

1,1,2-Trichloroethane
Concen: 4.803 ug/l
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.9	104.9
85	54.2	45.2	67.8
99	60.9	49.9	74.9





#53

1,3-Dichloropropane

Concen: 4.866 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

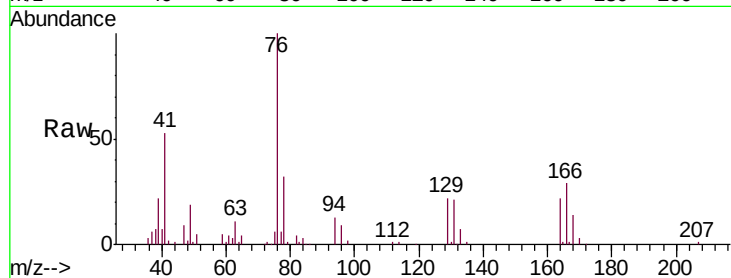
VSTDIC005

Tgt Ion: 76 Resp: 67179

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



Abundance Ion 76.00 (75.70 to 76.70): VU033198.D (-2205) (-)

Ion 78.00 (77.70 to 78.70): VU033198.D (-2205) (-)

8.22

40000

30000

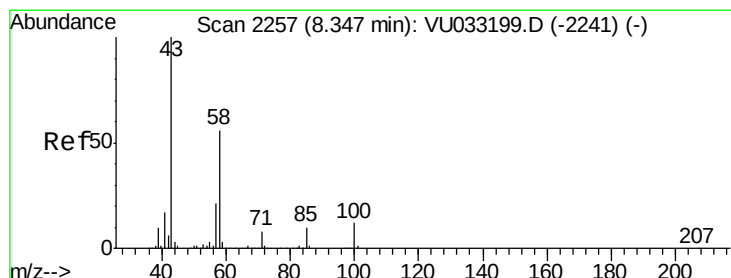
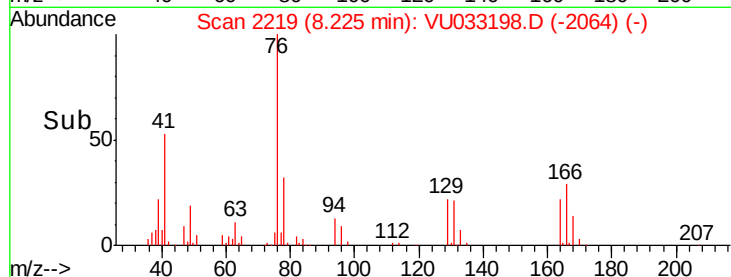
20000

10000

0

8.15 8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 26.491 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

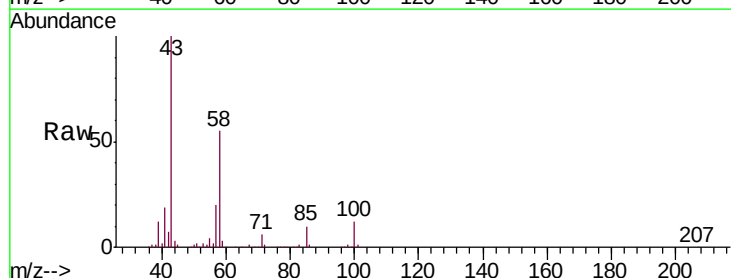
Tgt Ion: 43 Resp: 114092

Ion Ratio Lower Upper

43 100

58 55.9 35.8 75.8

57 18.9 0.2 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU033198.D (-2241) (-)

Ion 58.00 (57.70 to 58.70): VU033198.D (-2241) (-)

Ion 57.00 (56.70 to 57.70): VU033198.D (-2241) (-)

8.35

80000

60000

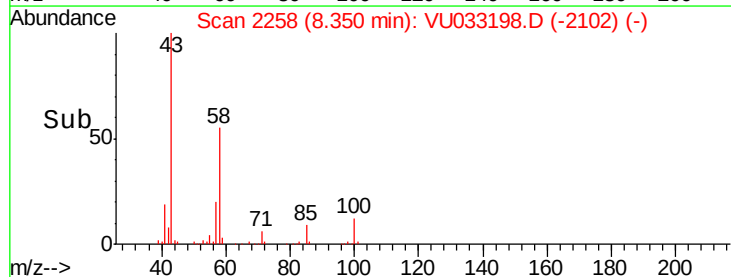
40000

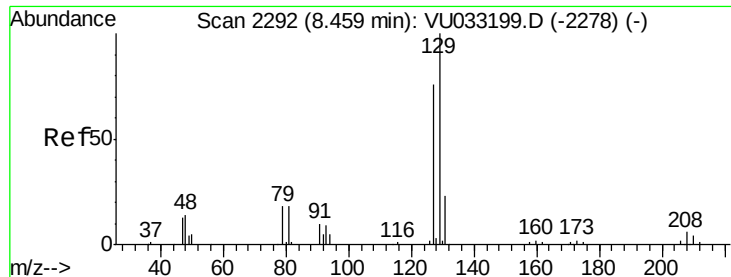
20000

0

8.30 8.35 8.40 8.45

Time-->





#55

Dibromochloromethane

Concen: 4.881 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

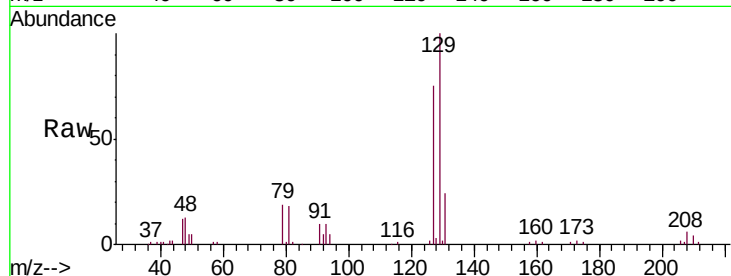
VSTDIC005

Tgt Ion:129 Resp: 46855

Ion Ratio Lower Upper

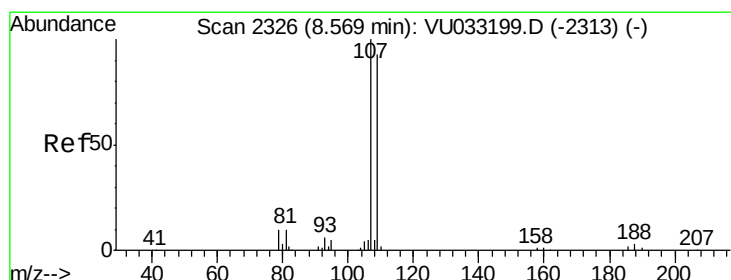
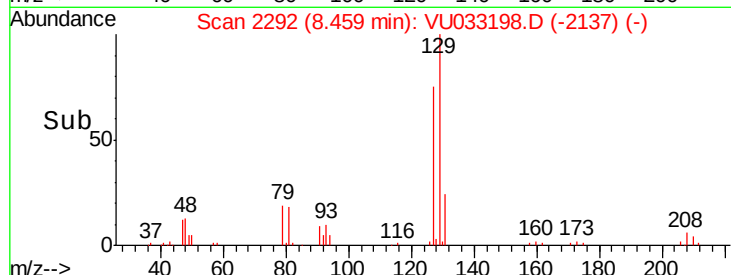
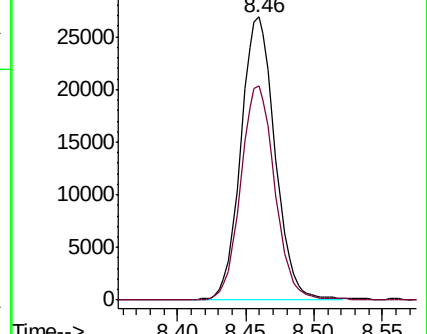
129 100

127 75.0 62.9 94.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 4.855 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033198.D

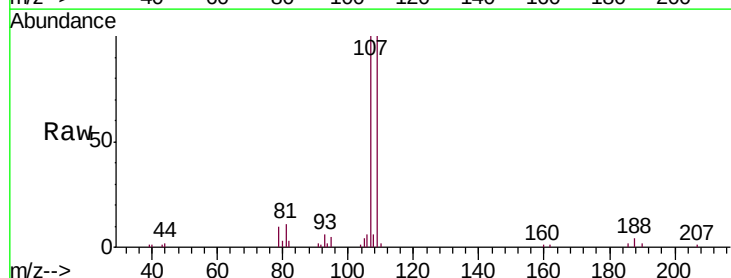
Acq: 11 Jul 2019 18:14

Tgt Ion:107 Resp: 36482

Ion Ratio Lower Upper

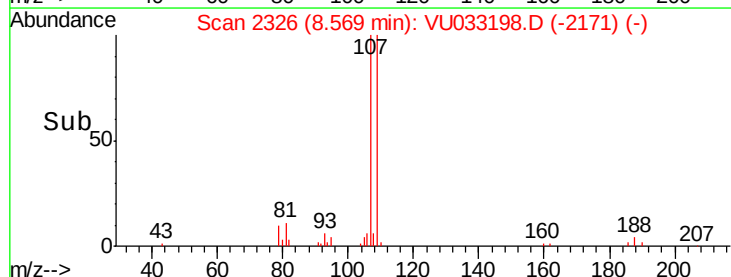
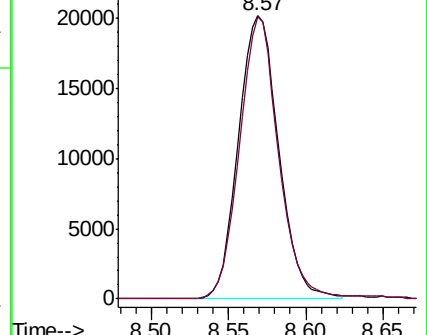
107 100

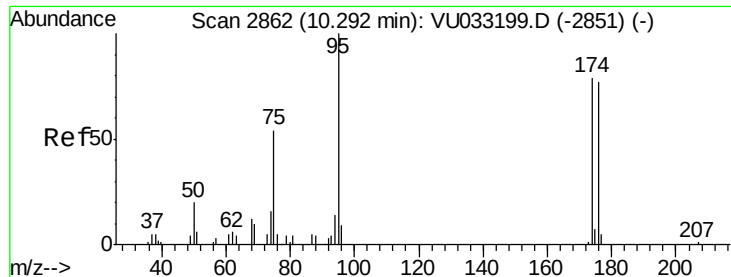
109 96.7 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

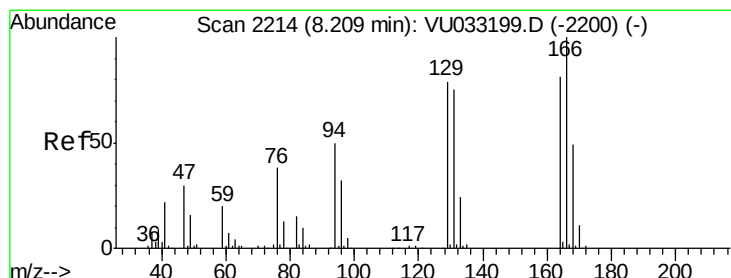
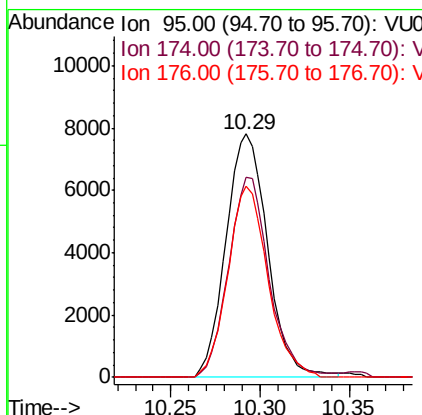
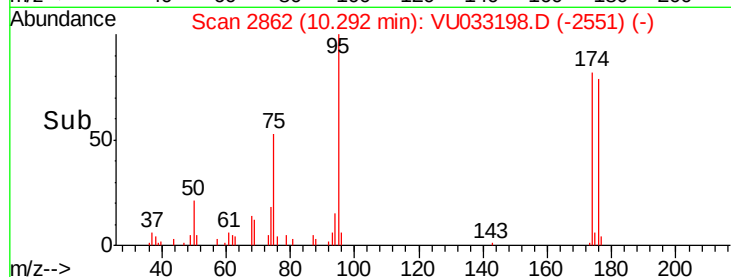
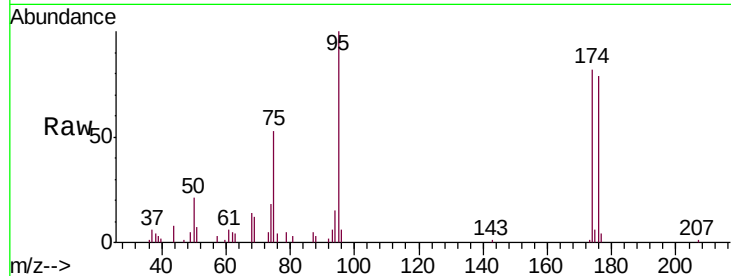




#57
4-Bromofluorobenzene
Concen: 0.971 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

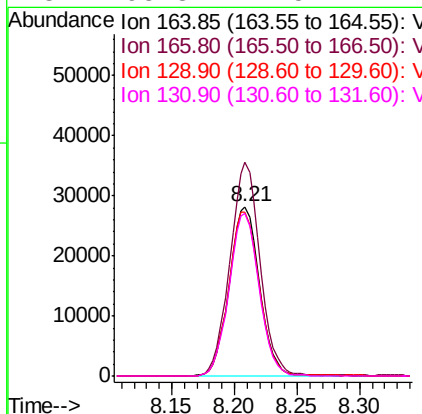
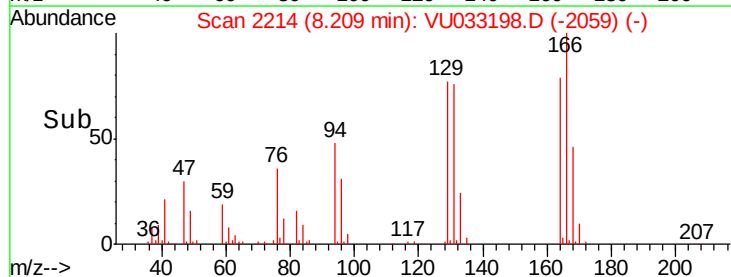
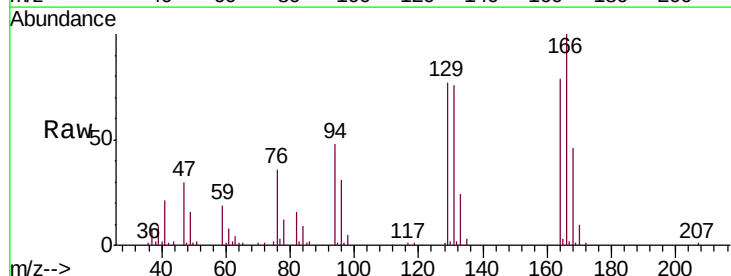
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

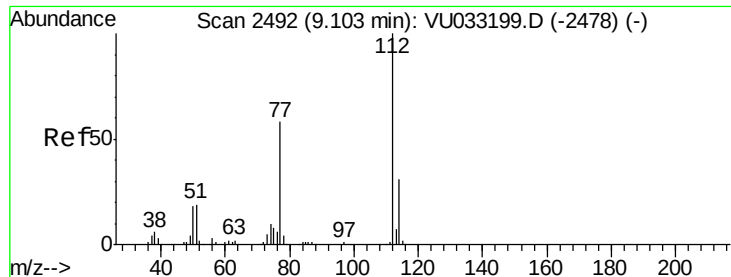
Tgt Ion: 95 Resp: 12705
Ion Ratio Lower Upper
95 100
174 80.5 63.8 95.8
176 75.5 64.5 96.7



#58
Tetrachloroethene
Concen: 4.843 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 164 Resp: 47246
Ion Ratio Lower Upper
164 100
166 126.3 99.3 148.9
129 96.6 78.0 117.0
131 95.8 74.5 111.7

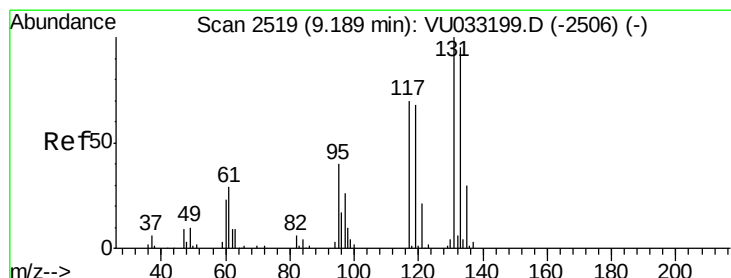
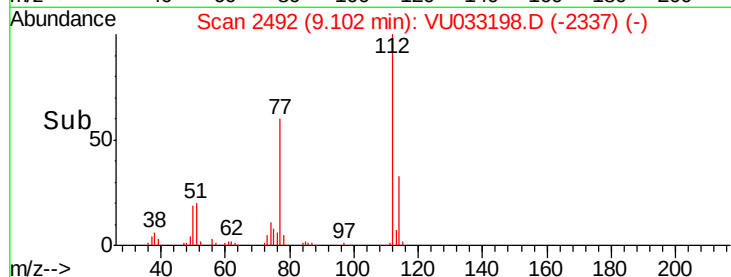
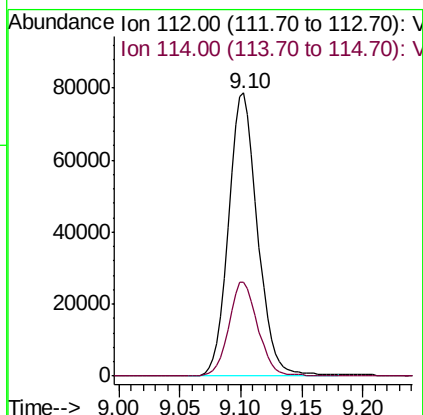
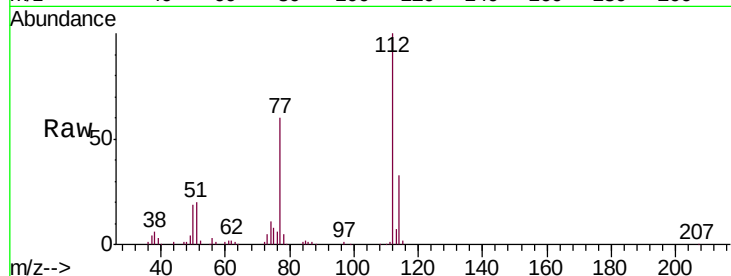




#59
Chlorobenzene
Concen: 4.851 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

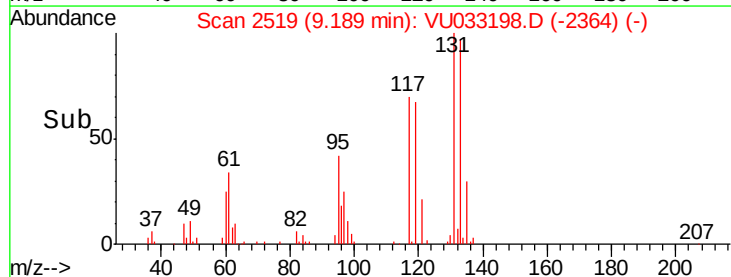
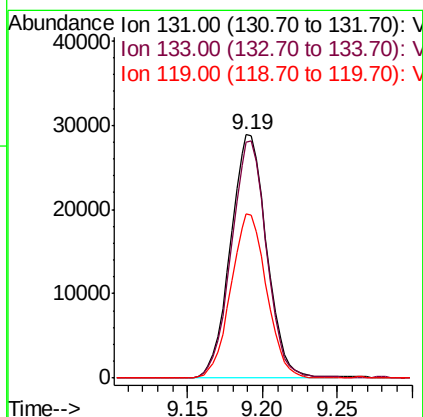
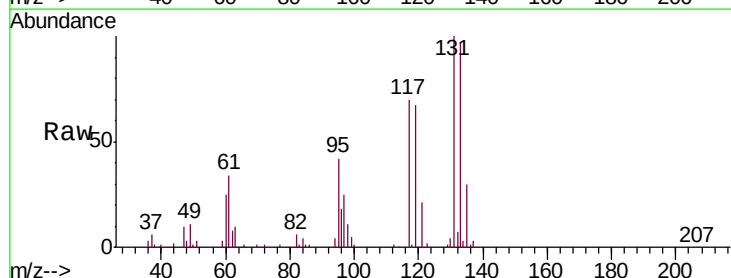
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

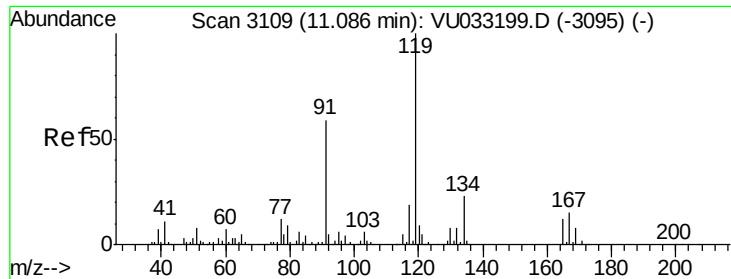
Tgt Ion:112 Resp: 131266
Ion Ratio Lower Upper
112 100
114 33.3 25.1 37.7



#60
1,1,1,2-Tetrachloroethane
Concen: 4.673 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:131 Resp: 48410
Ion Ratio Lower Upper
131 100
133 95.6 76.7 115.1
119 66.8 54.2 81.2

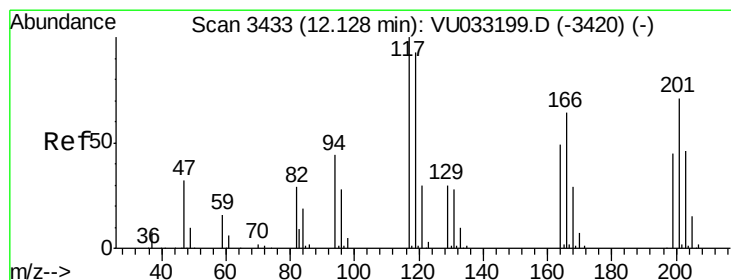
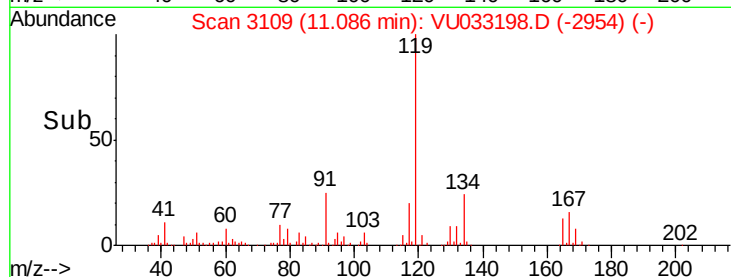
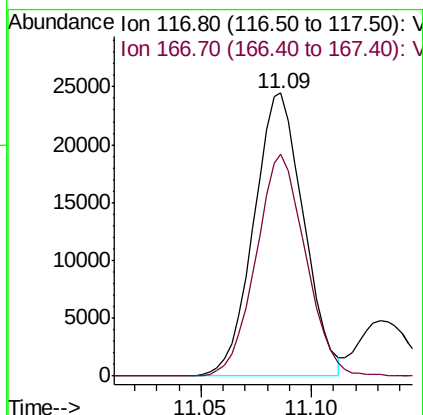
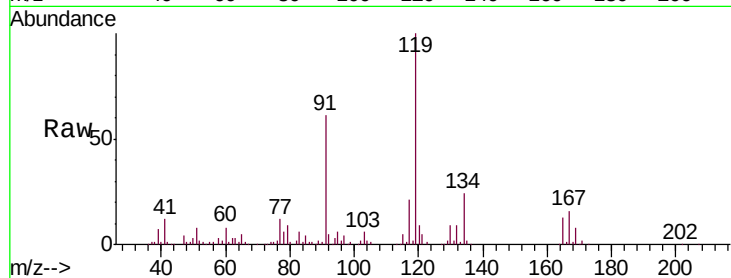




#61
 Pentachloroethane
 Concen: 4.560 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

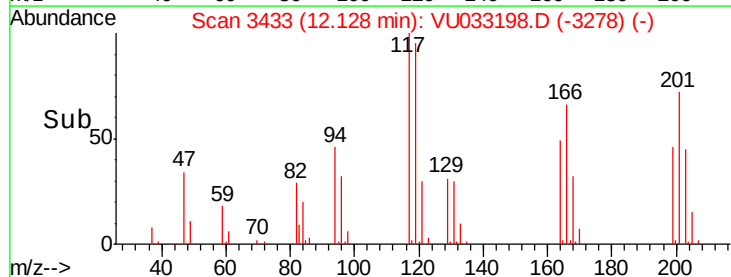
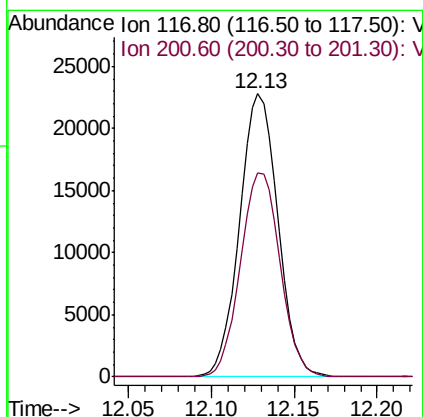
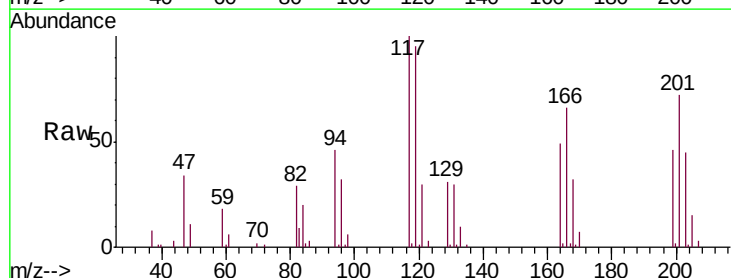
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

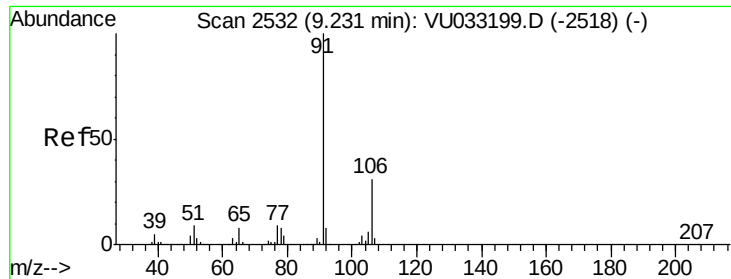
Tgt Ion:117 Resp: 38374
 Ion Ratio Lower Upper
 117 100
 167 78.0 63.6 95.4



#62
 Hexachloroethane
 Concen: 4.556 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion:117 Resp: 36819
 Ion Ratio Lower Upper
 117 100
 201 74.5 58.5 87.7

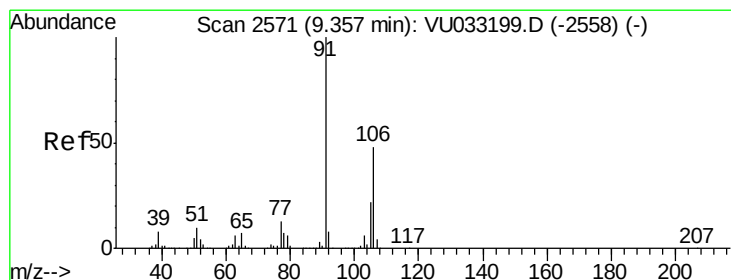
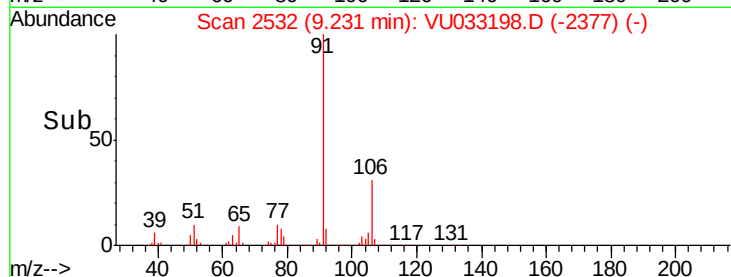
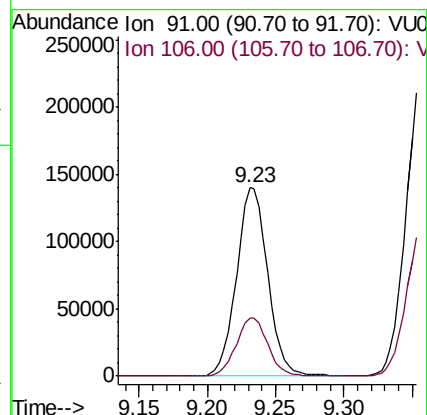
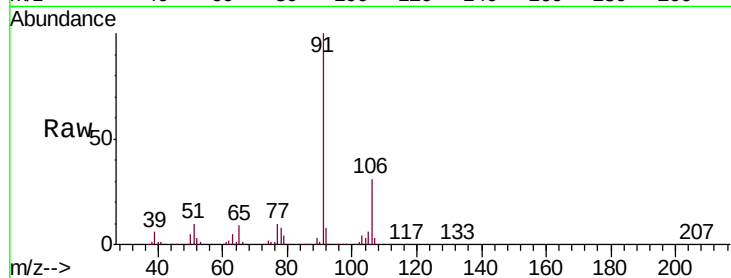




#63
Ethyl Benzene
Concen: 5.003 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

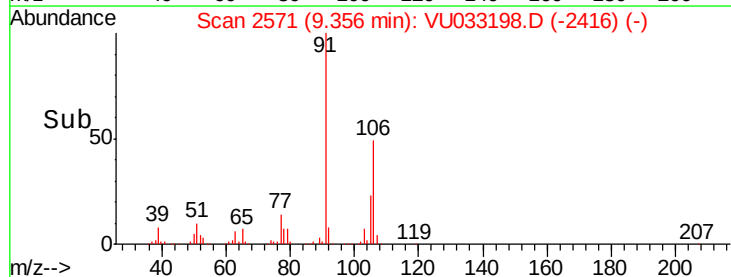
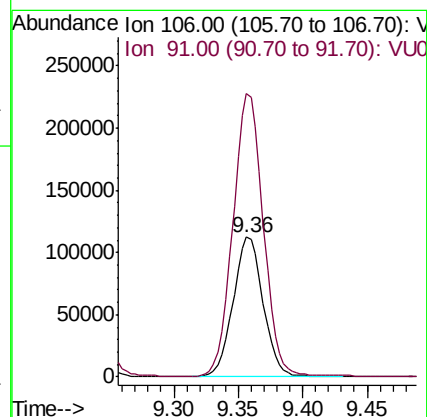
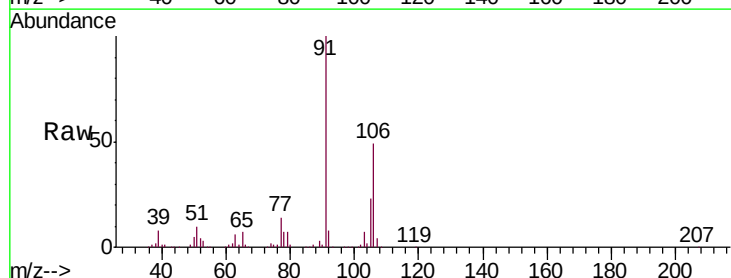
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

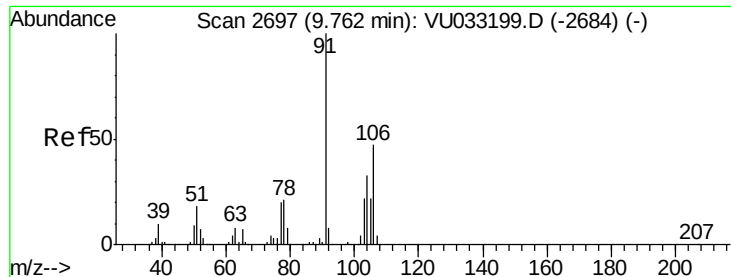
Tgt Ion: 91 Resp: 222998
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#64
m/p-Xylenes
Concen: 10.394 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion: 106 Resp: 180546
Ion Ratio Lower Upper
106 100
91 205.7 164.8 247.2

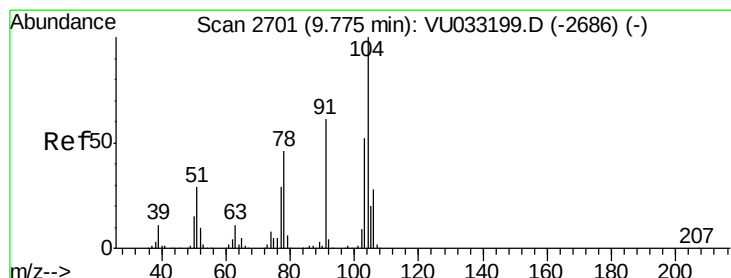
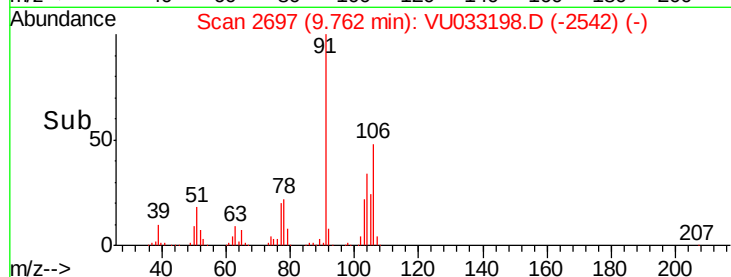
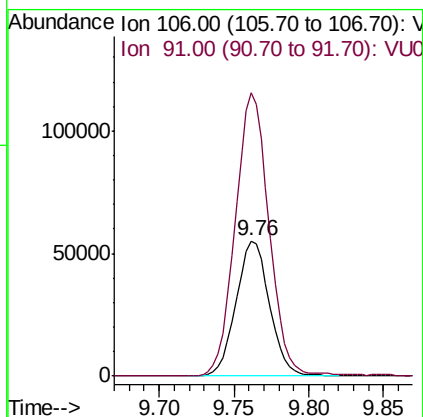
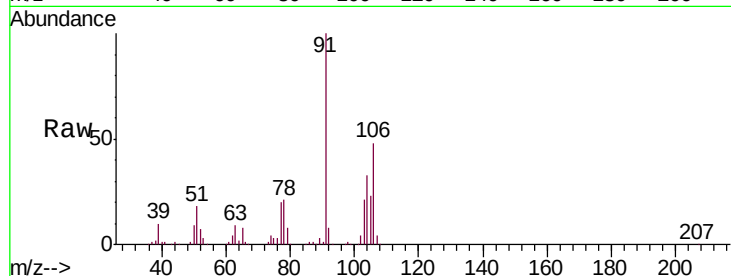




#65
o-Xylene
Concen: 5.151 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

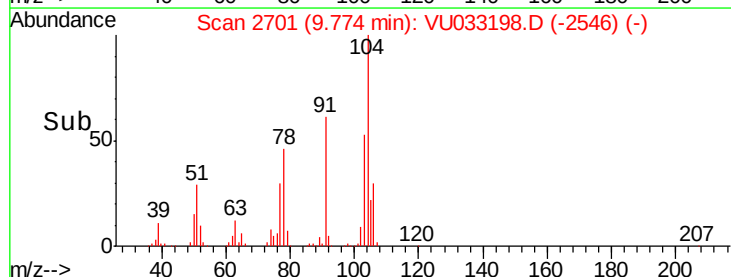
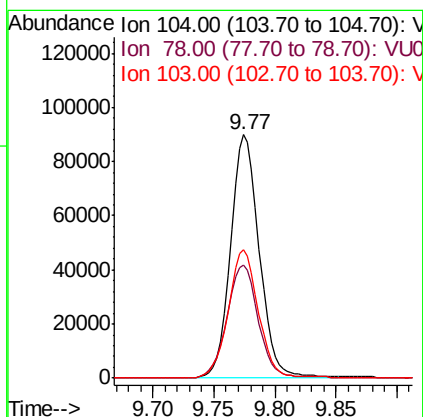
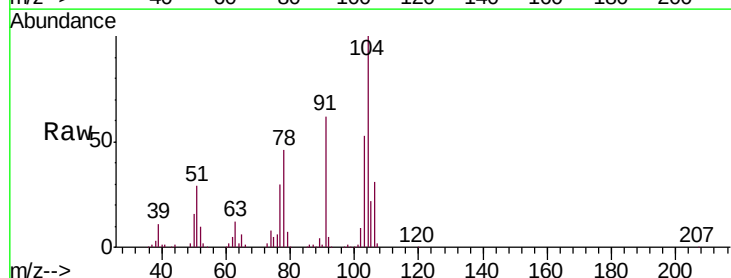
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

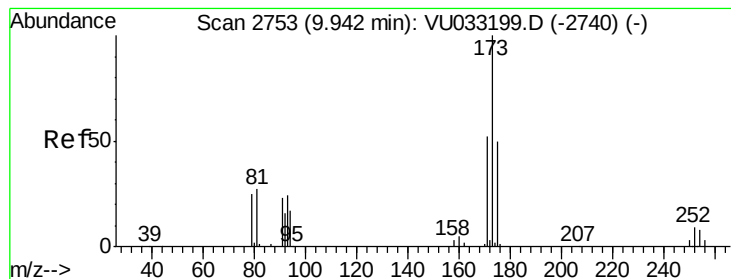
Tgt Ion:106 Resp: 85915
Ion Ratio Lower Upper
106 100
91 211.7 108.6 325.8



#66
Styrene
Concen: 5.269 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:104 Resp: 147995
Ion Ratio Lower Upper
104 100
78 50.6 40.4 60.6
103 55.7 44.3 66.5





#67

Bromoform

Concen: 4.882 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

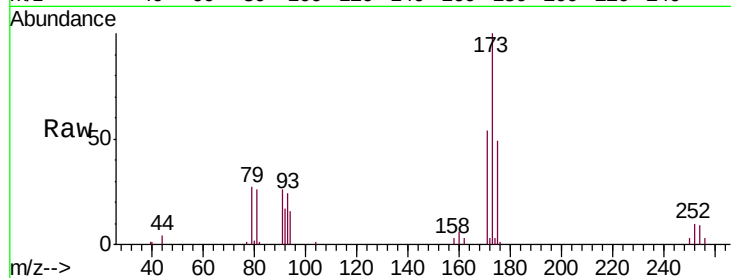
Tgt Ion:173 Resp: 25655

Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.0

254 8.3 6.9 10.3

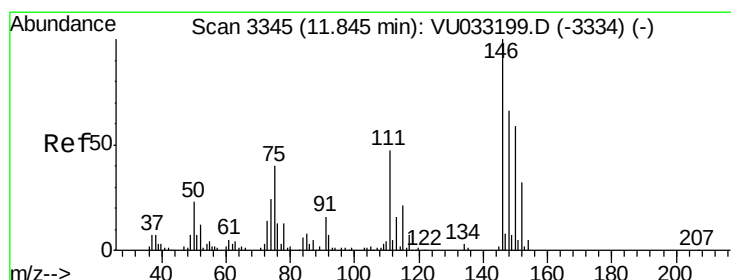
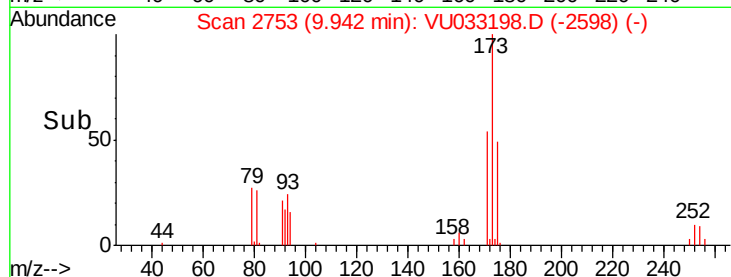
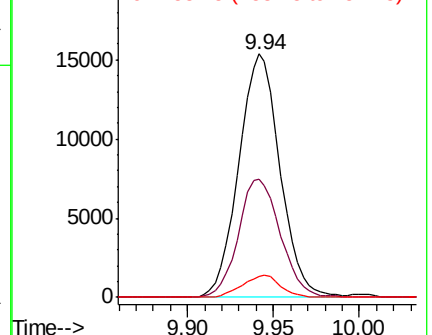


Abundance

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: 0.990 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

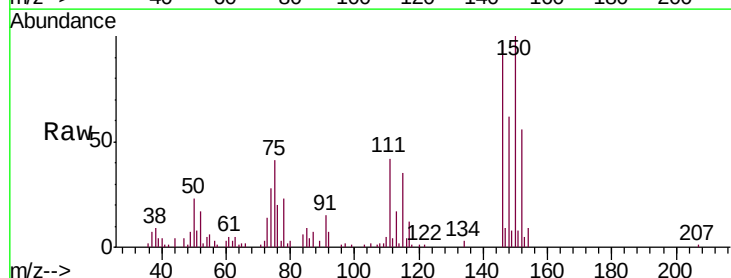
Tgt Ion:152 Resp: 13329

Ion Ratio Lower Upper

152 100

115 72.7 0.0 131.0

150 246.0 0.0 634.4

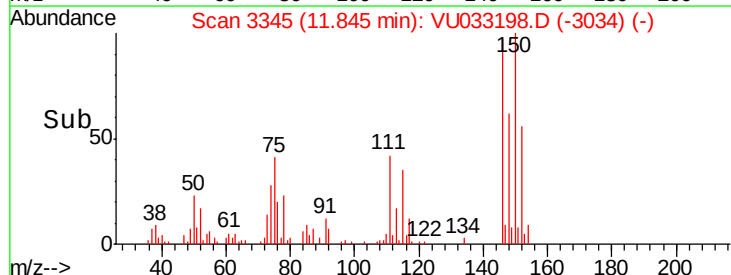
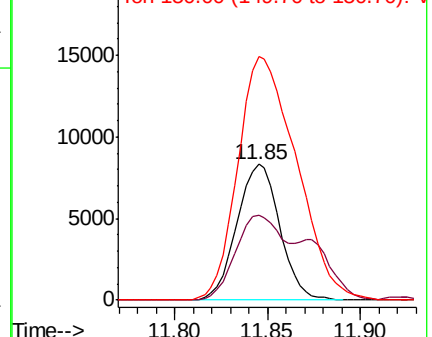


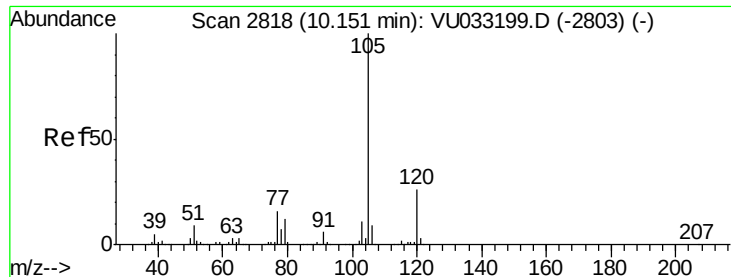
Abundance

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: 5.096 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

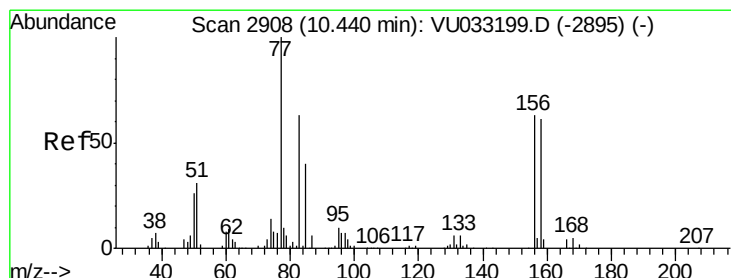
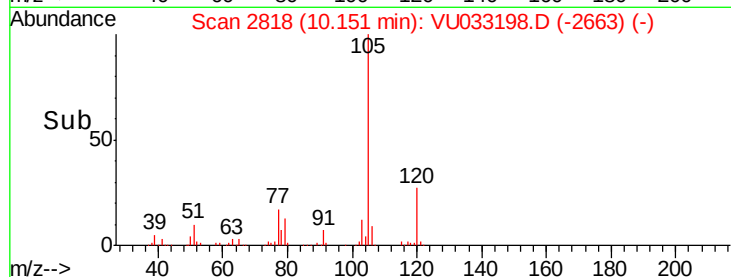
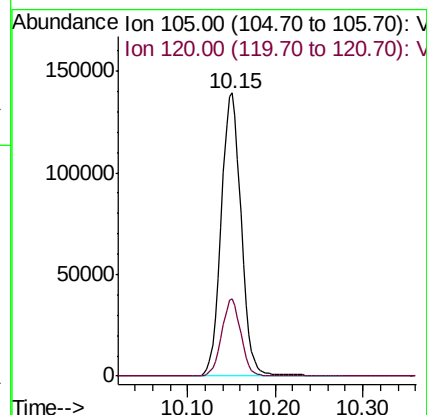
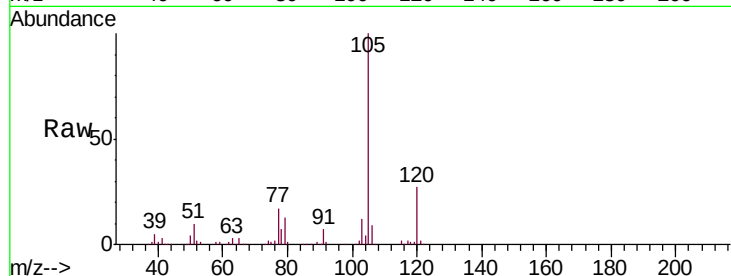
VSTDIC005

Tgt Ion: 105 Resp: 221955

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#70

1,1,2,2-Tetrachloroethane

Concen: 4.887 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

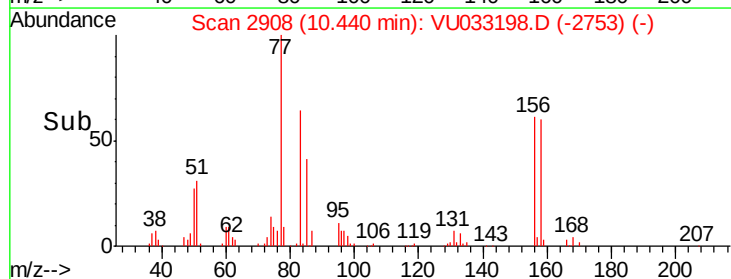
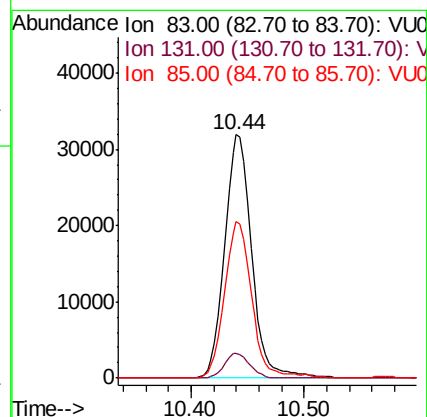
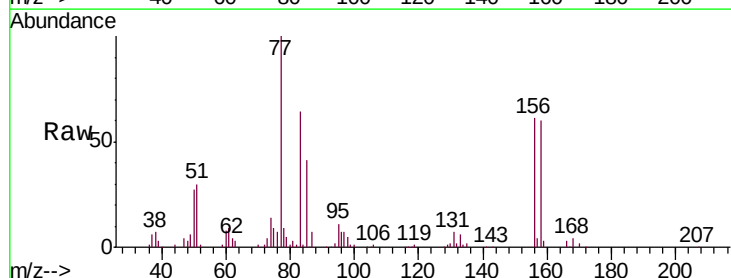
Tgt Ion: 83 Resp: 53132

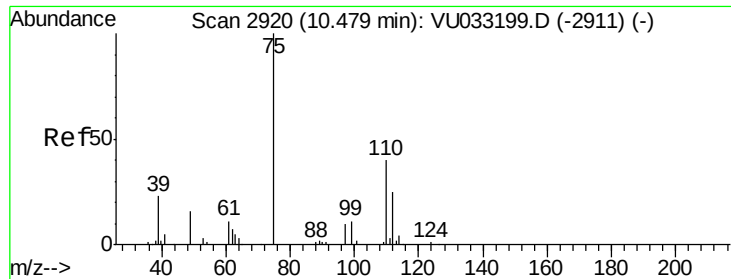
Ion Ratio Lower Upper

83 100

131 9.5 8.0 12.0

85 64.2 50.6 76.0

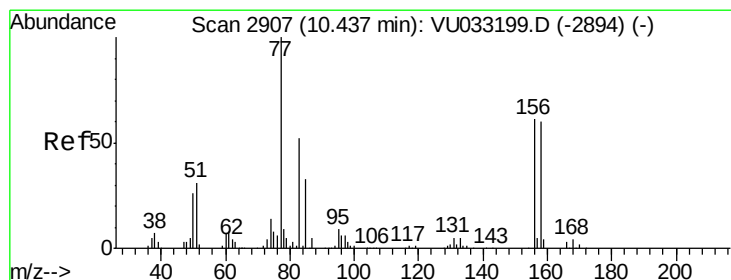
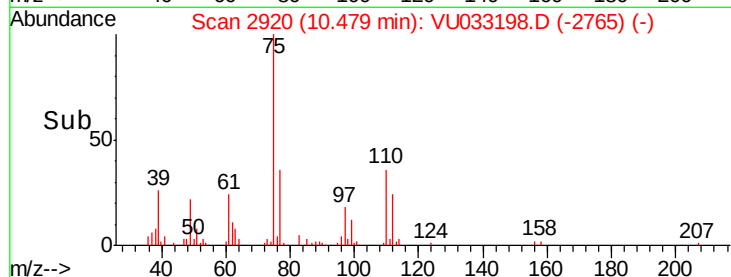
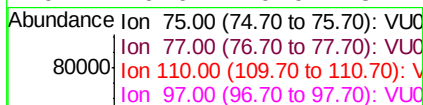
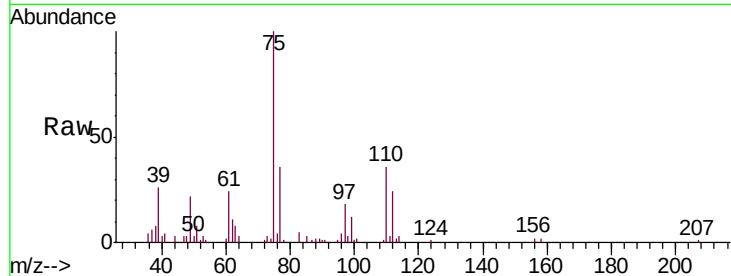




#71
 1,2,3-Trichloropropane
 Concen: 4.190 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

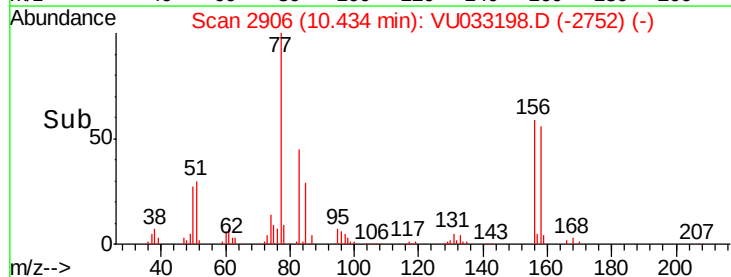
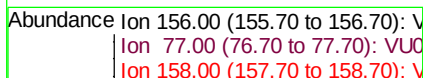
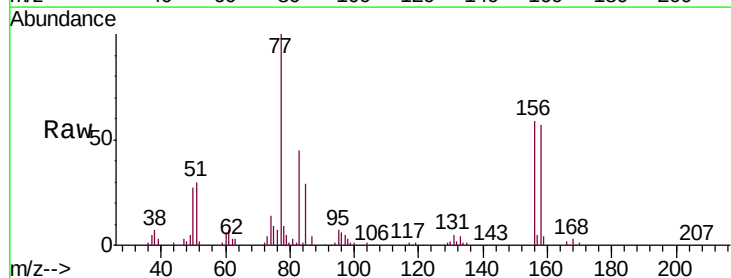
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

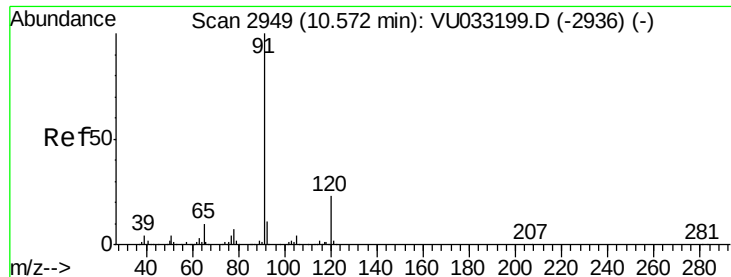
Tgt Ion:	75	Resp:	32788
Ion	Ratio	Lower	Upper
75	100		
77	68.1	0.0	15.4#
110	42.9	0.0	72.2
97	20.6	0.0	37.2



#72
 Bromobenzene
 Concen: 5.023 ug/l
 RT: 10.43 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion:	156	Resp:	55839
Ion	Ratio	Lower	Upper
156	100		
77	164.0	0.0	326.0
158	95.4	0.0	193.2





#73

n-propylbenzene

Concen: 5.228 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

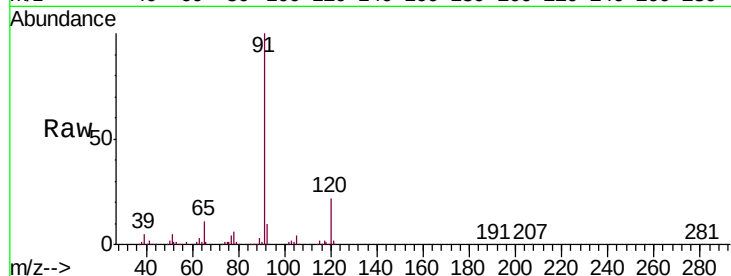
VSTDIC005

Tgt Ion:120 Resp: 63324

Ion Ratio Lower Upper

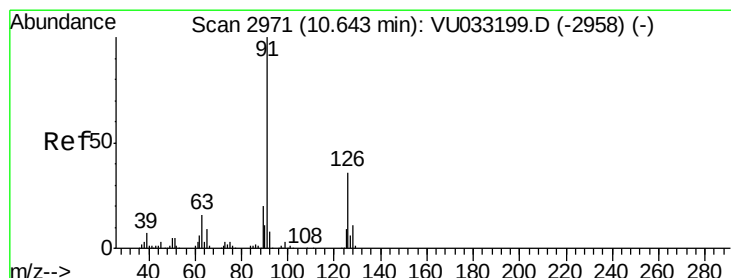
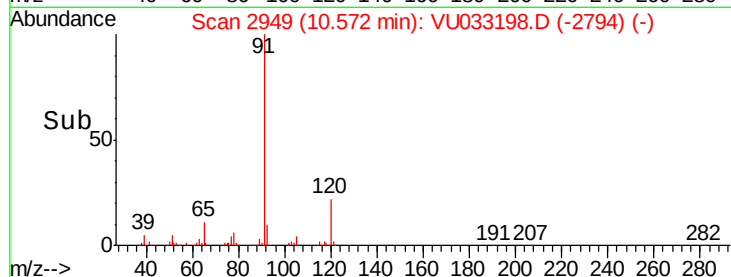
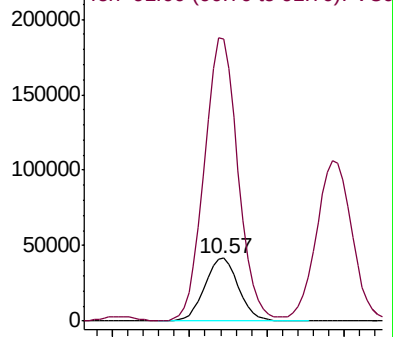
120 100

91 445.9 349.0 523.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 5.052 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033198.D

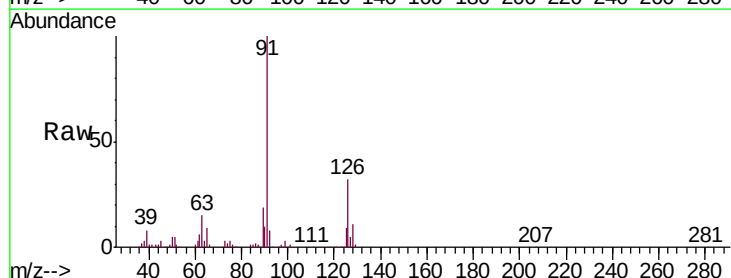
Acq: 11 Jul 2019 18:14

Tgt Ion:126 Resp: 55945

Ion Ratio Lower Upper

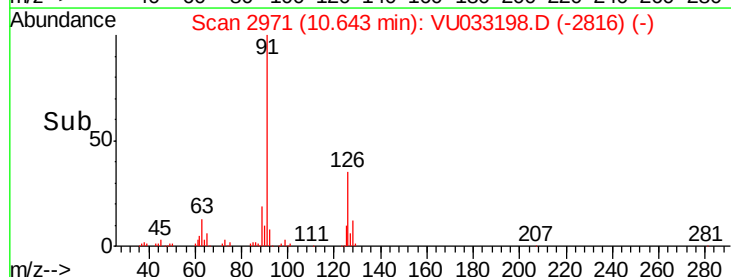
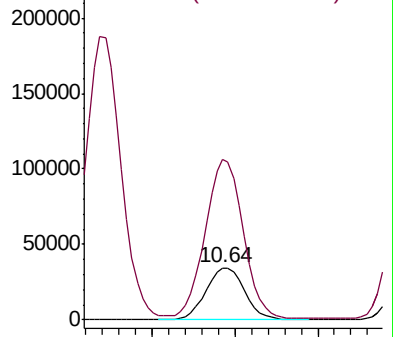
126 100

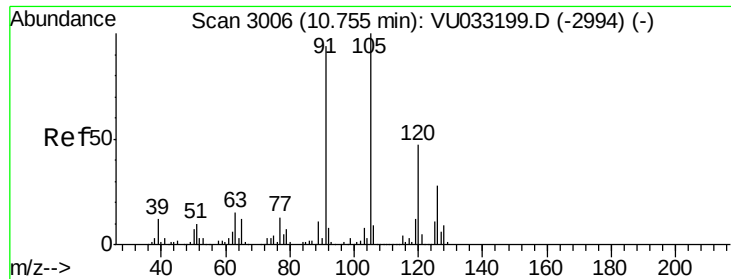
91 306.6 0.0 592.2



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: 5.202 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

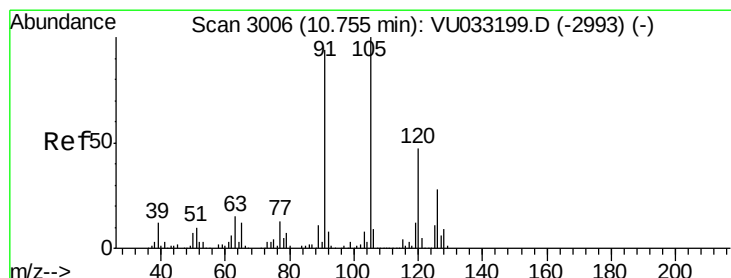
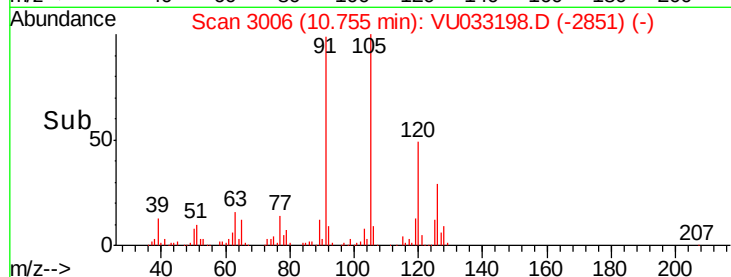
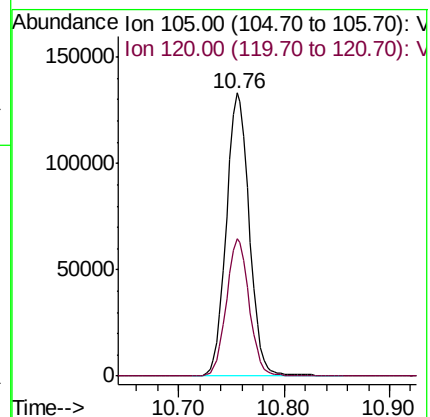
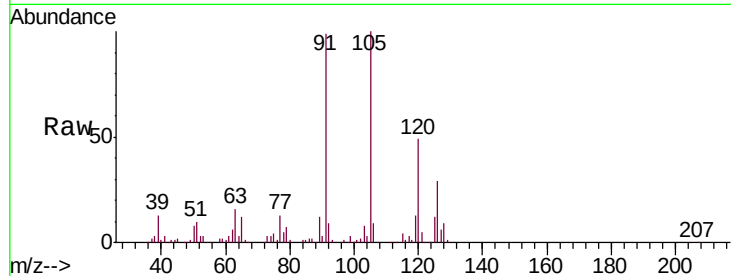
VSTDIC005

Tgt Ion:105 Resp: 200703

Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.8



#76

4-Chlorotoluene

Concen: 4.994 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033198.D

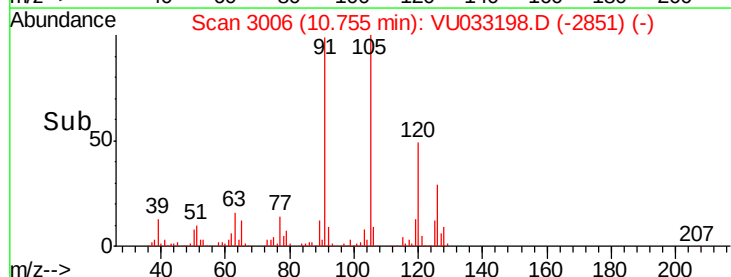
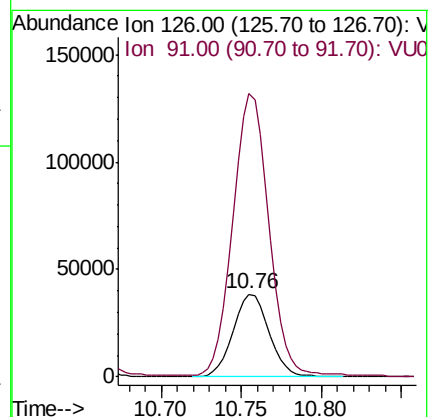
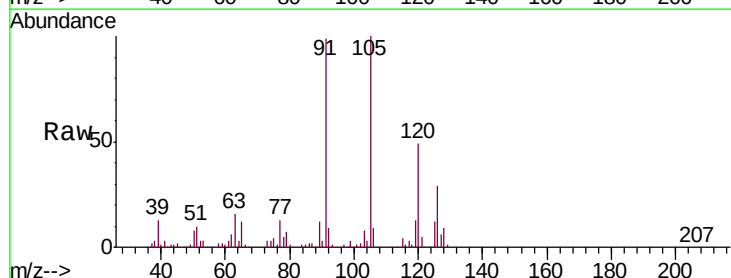
Acq: 11 Jul 2019 18:14

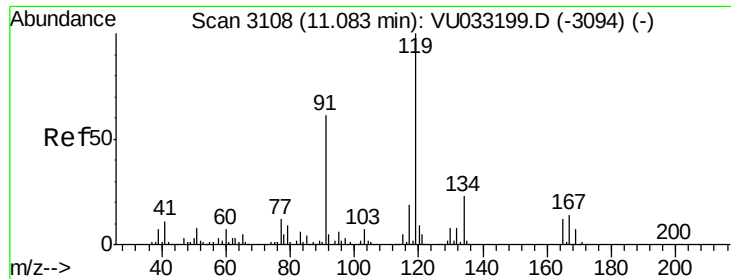
Tgt Ion:126 Resp: 57958

Ion Ratio Lower Upper

126 100

91 349.4 0.0 663.4





#77

tert-Butylbenzene

Concen: 4.991 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

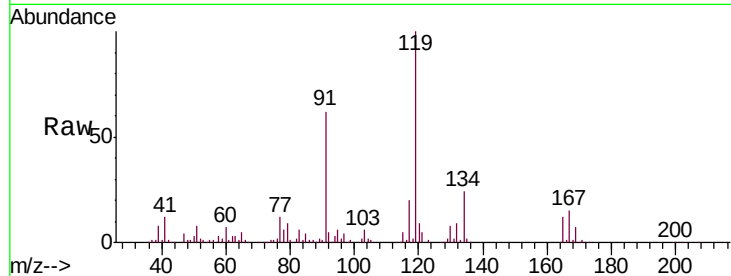
Tgt Ion:119 Resp: 183596

Ion Ratio Lower Upper

119 100

91 60.9 29.8 89.5

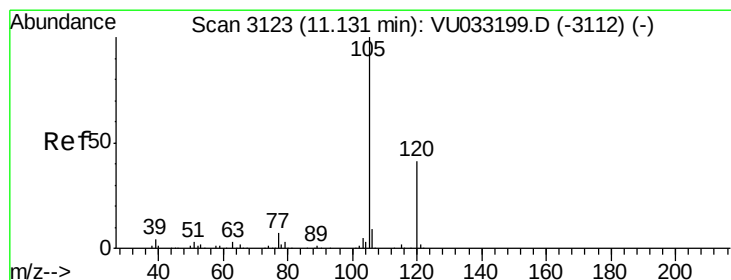
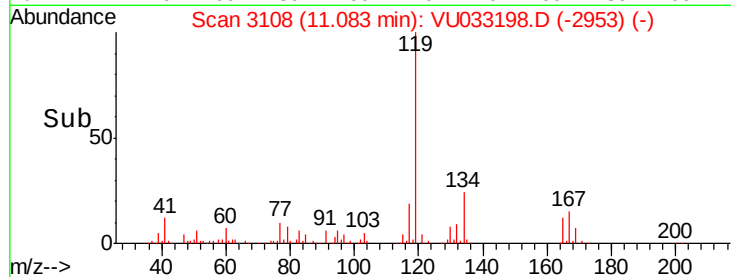
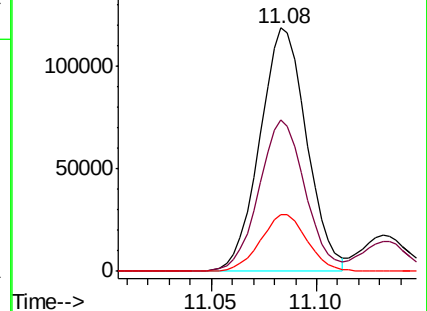
134 23.5 18.2 27.4



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: 5.297 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033198.D

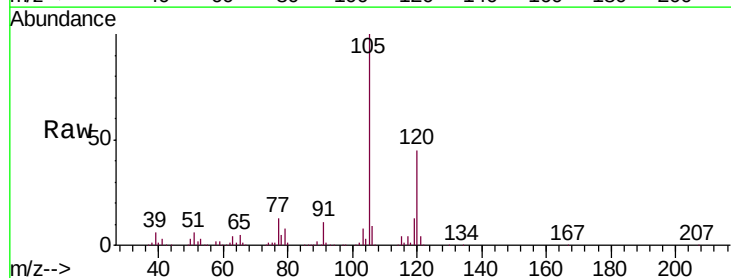
Acq: 11 Jul 2019 18:14

Tgt Ion:105 Resp: 207041

Ion Ratio Lower Upper

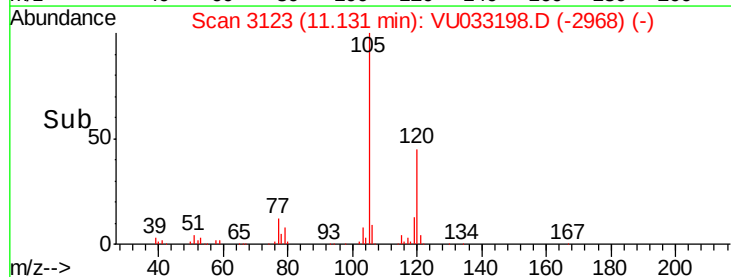
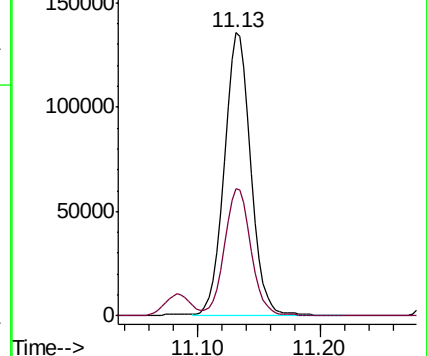
105 100

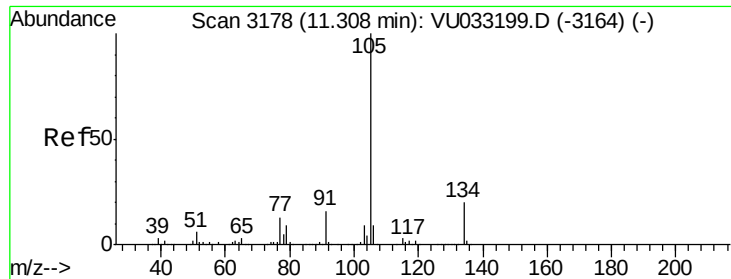
120 45.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 5.128 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

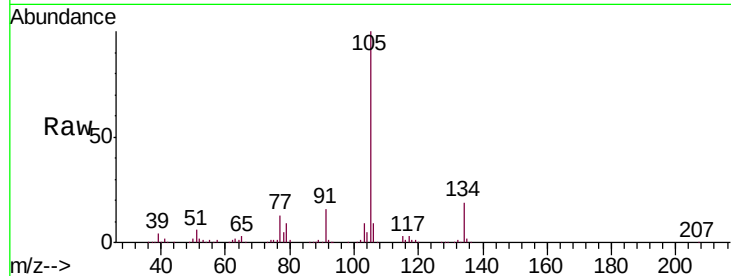
VSTDIC005

Tgt Ion:105 Resp: 257841

Ion Ratio Lower Upper

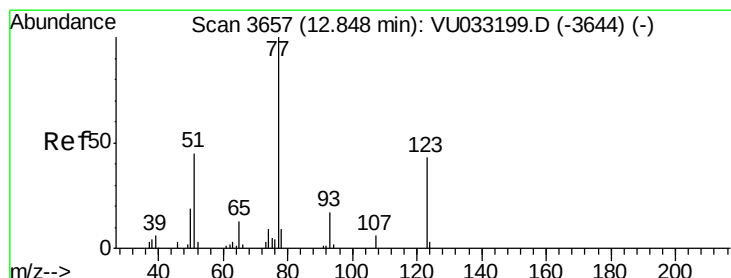
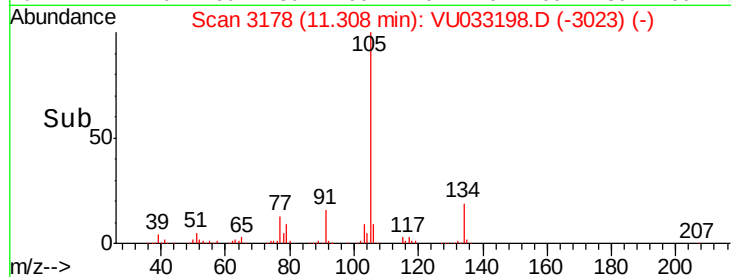
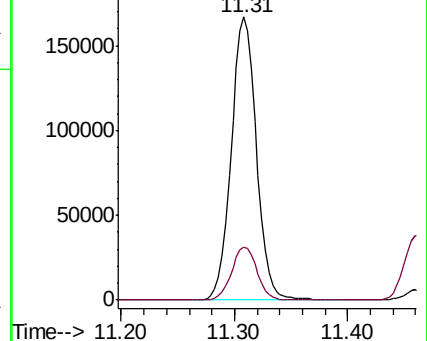
105 100

134 19.1 15.8 23.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 31.766 ug/l

RT: 12.85 min Scan# 3659

Delta R.T. 0.01 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

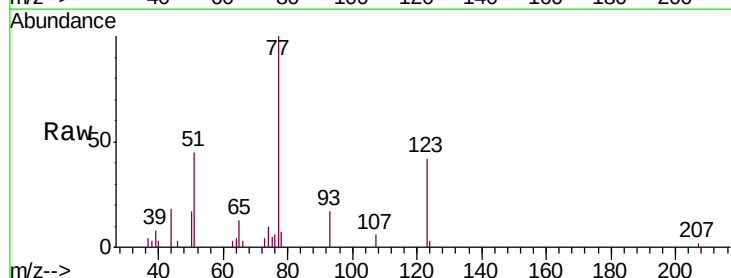
Tgt Ion: 77 Resp: 8545

Ion Ratio Lower Upper

77 100

123 46.2 20.9 74.1

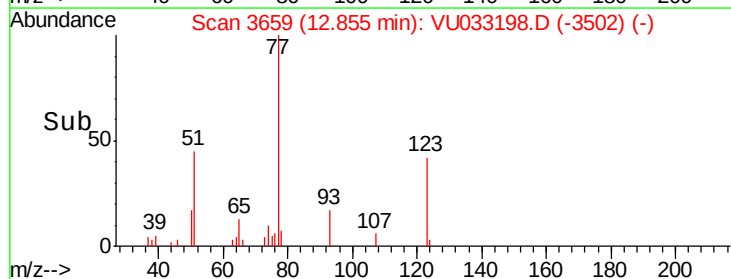
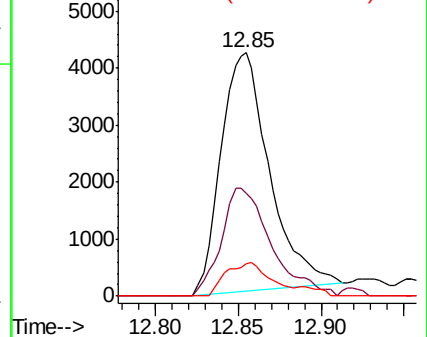
65 10.4 10.7 13.7#

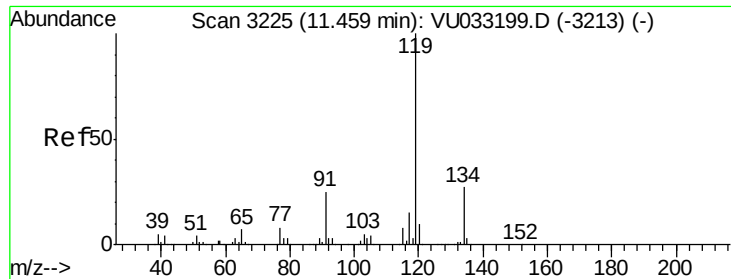


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

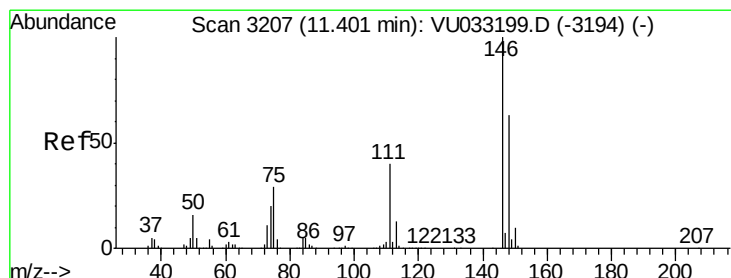
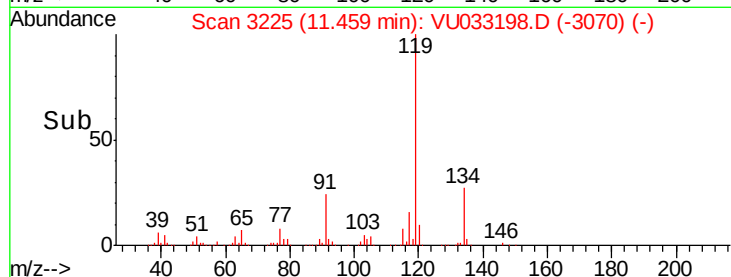
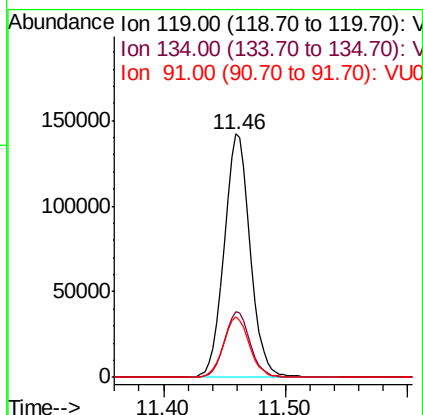
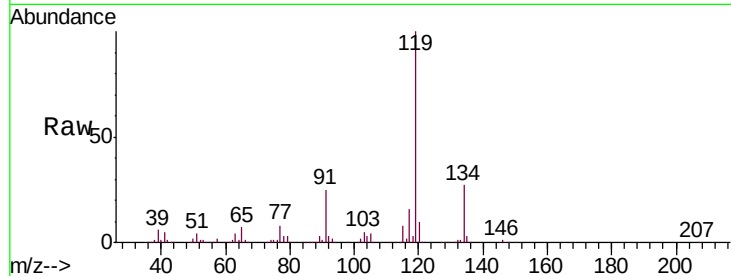




#81
 p-Isopropyltoluene
 Concen: 5.268 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

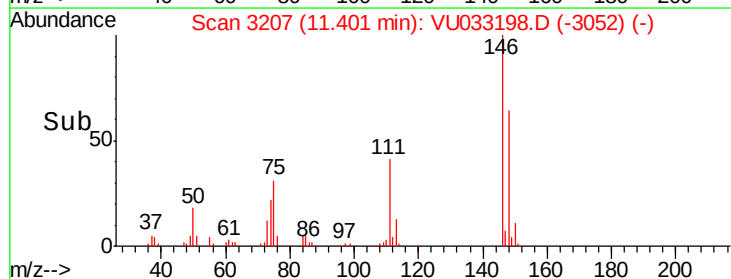
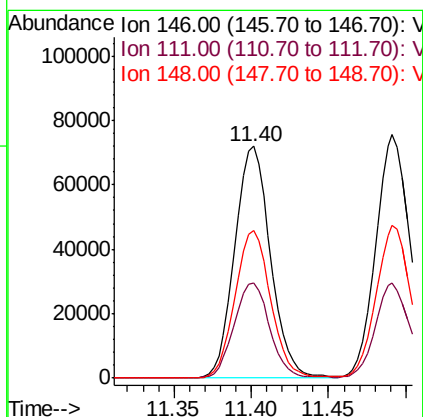
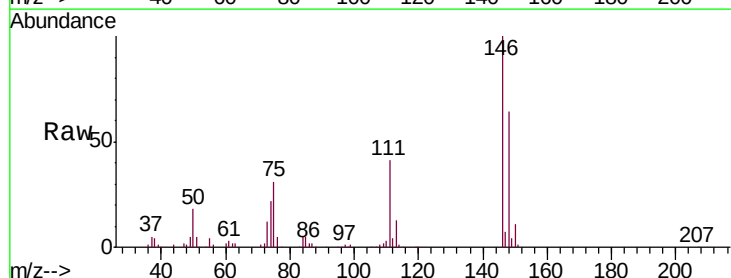
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

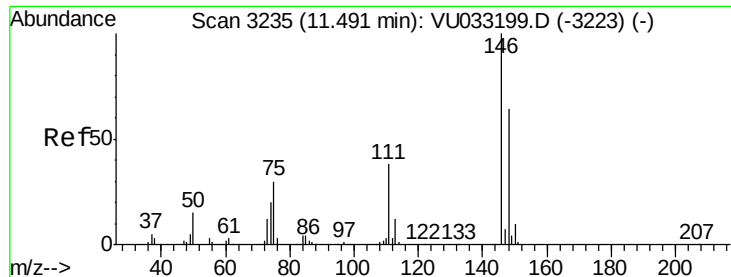
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.1	31.7
91	24.7	19.7	29.5



#82
 1,3-Dichlorobenzene
 Concen: 4.960 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.2	48.4
148	63.5	50.8	76.2

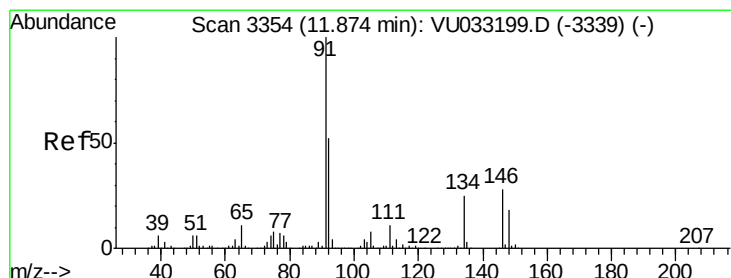
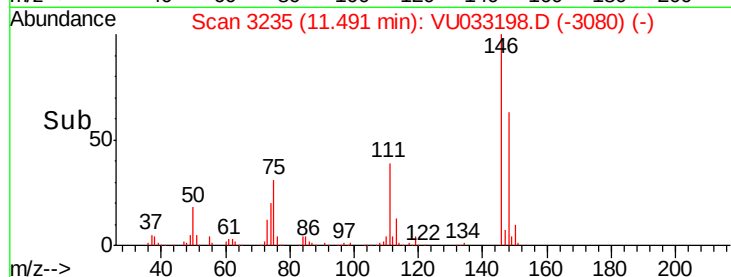
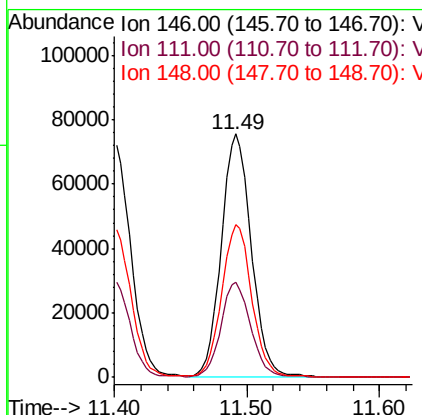
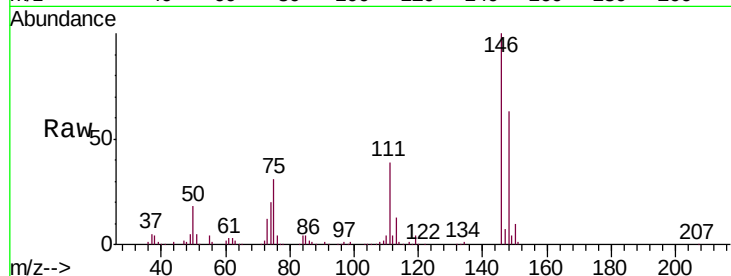




#83
 1,4-Dichlorobenzene
 Concen: 5.151 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

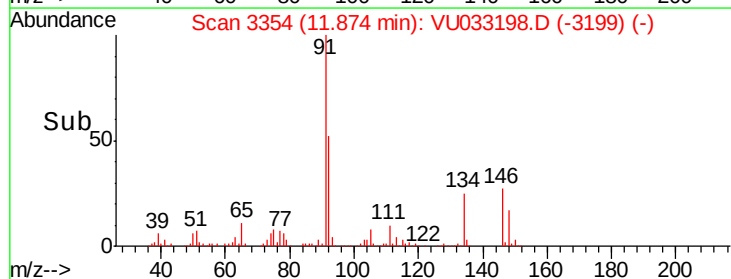
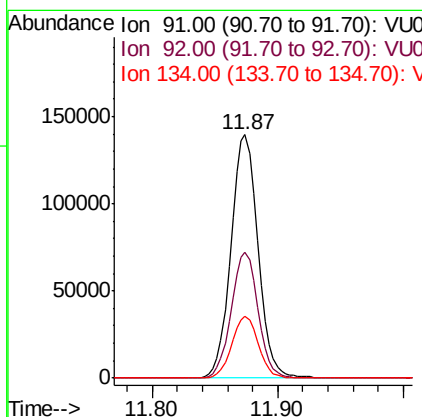
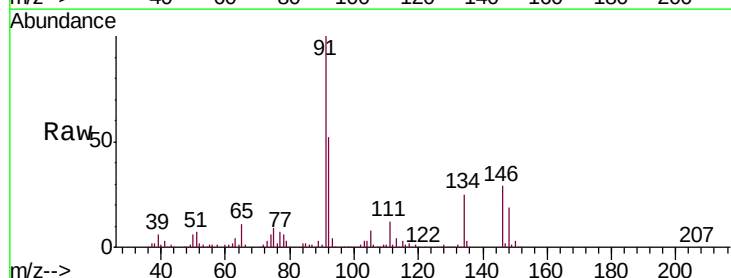
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

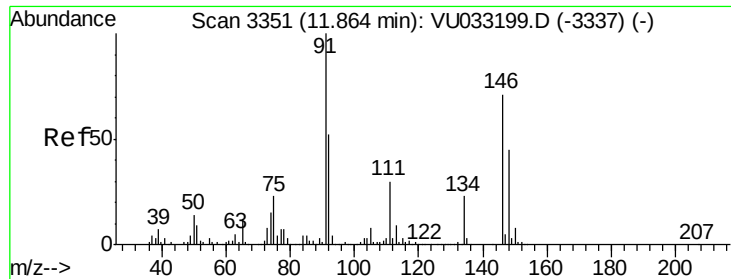
Tgt Ion: 146 Resp: 118590
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.8 46.2
 148 62.4 50.6 76.0



#84
 n-Butylbenzene
 Concen: 5.275 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 91 Resp: 208574
 Ion Ratio Lower Upper
 91 100
 92 51.4 41.5 62.3
 134 24.9 19.6 29.4

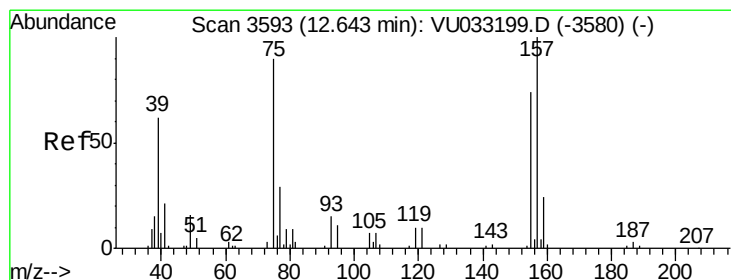
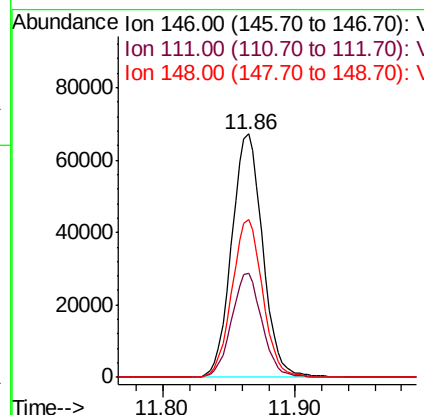
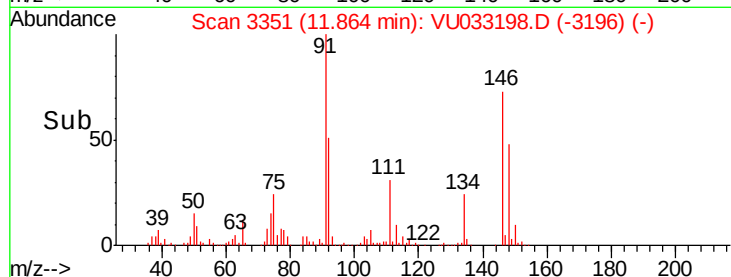
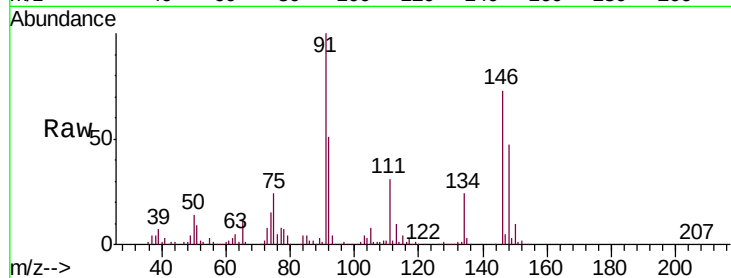




#85
 1,2-Dichlorobenzene
 Concen: 5.050 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

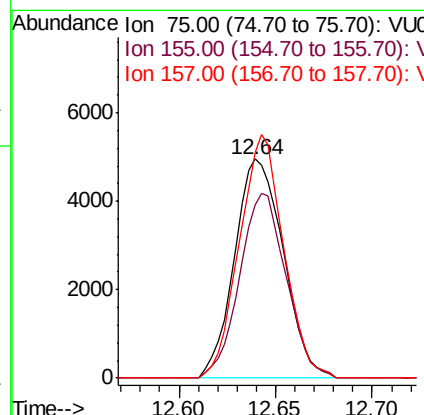
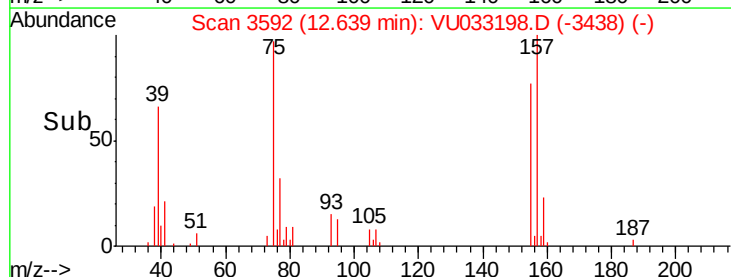
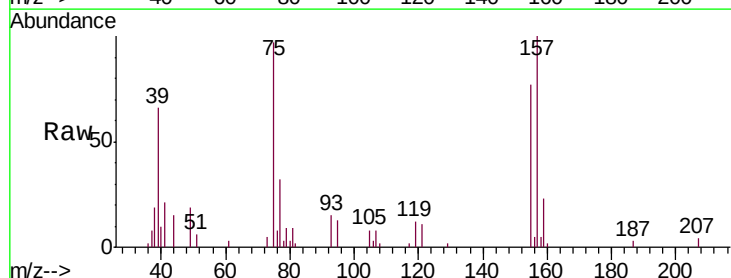
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

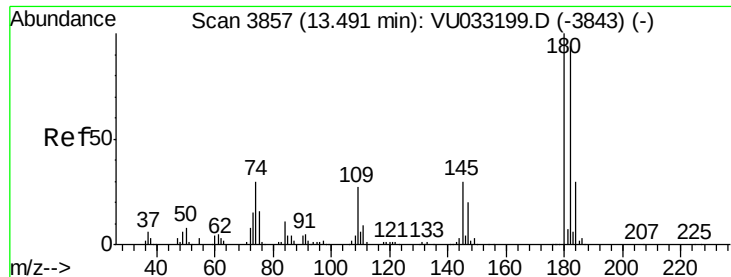
Tgt Ion: 146 Resp: 109225
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 63.7
 148 64.3 32.0 96.0



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.176 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 75 Resp: 8689
 Ion Ratio Lower Upper
 75 100
 155 80.4 60.6 90.8
 157 101.0 82.5 123.7





#87

1,2,4-Trichlorobenzene

Concen: 5.680 ug/l

RT: 13.49 min Scan# 3857

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

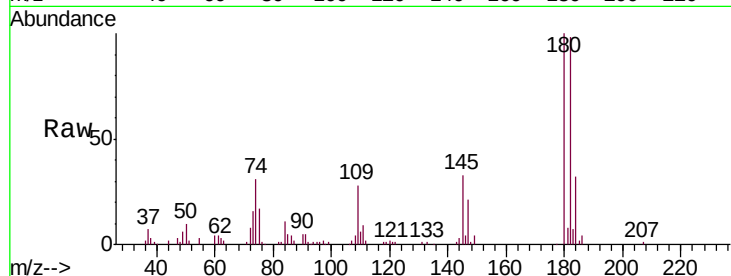
Tgt Ion:180 Resp: 67637

Ion Ratio Lower Upper

180 100

182 96.8 75.4 113.2

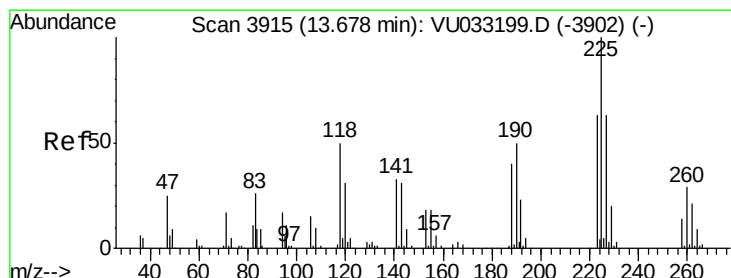
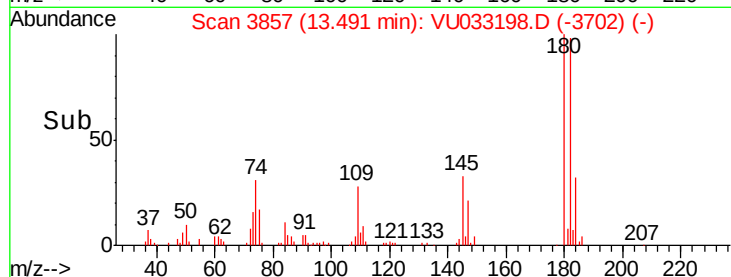
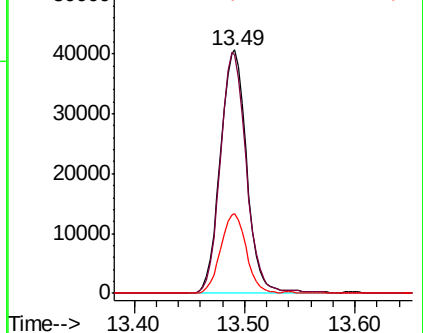
145 31.5 24.5 36.7



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: 4.970 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

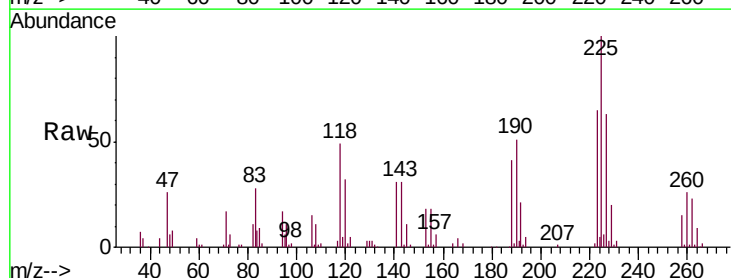
Tgt Ion:225 Resp: 38390

Ion Ratio Lower Upper

225 100

223 65.1 51.1 76.7

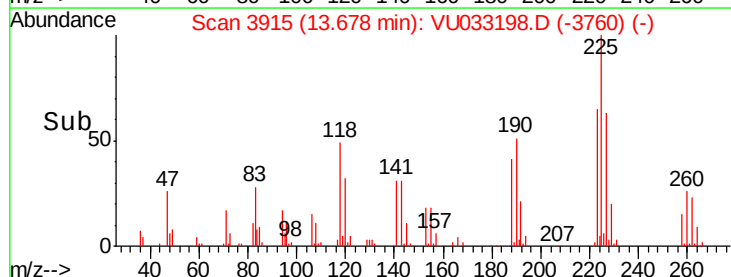
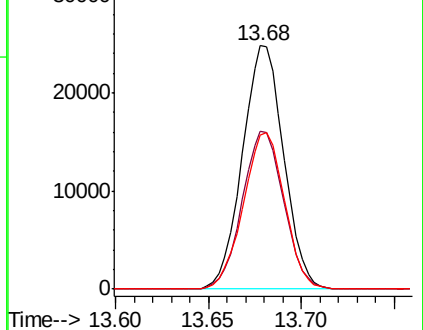
227 64.0 51.2 76.8

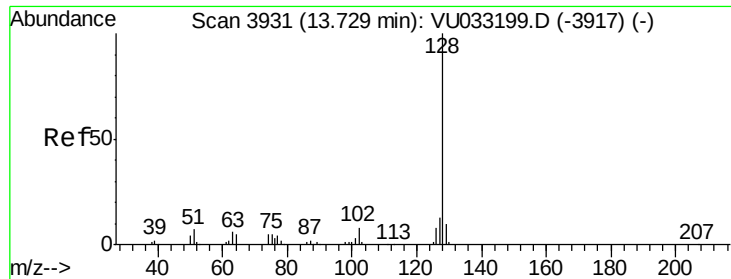


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

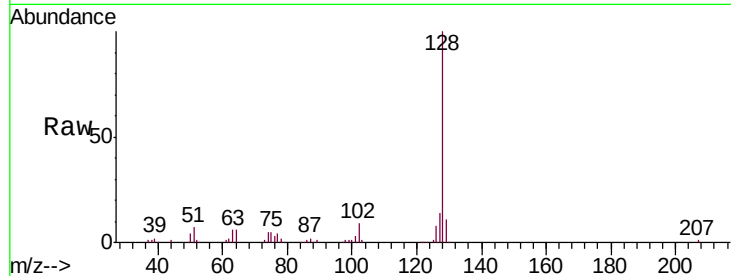




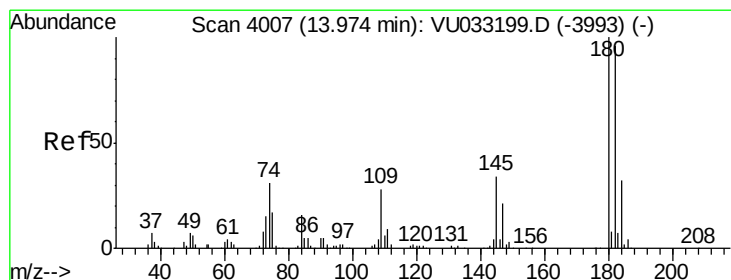
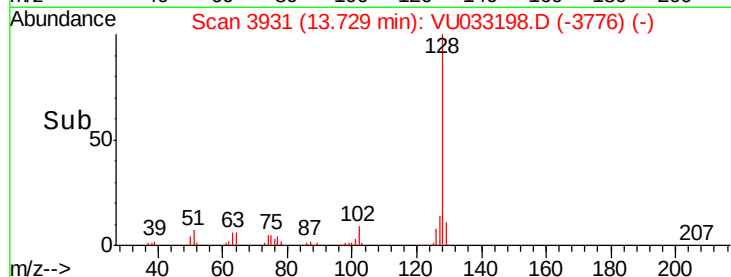
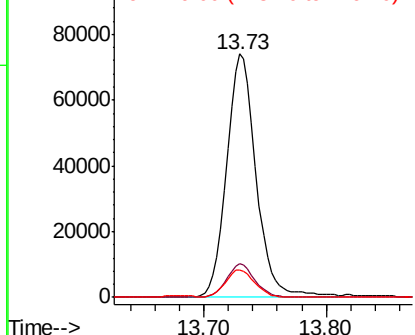
#89
Naphthalene
Concen: 6.271 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 125405
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.1 8.6 12.8

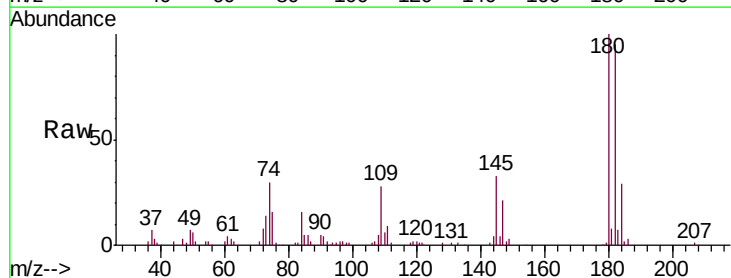


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 5.677 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:180 Resp: 65739
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.4
145 33.7 26.6 40.0



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

