

Data File : VU033198.D
Acq On : 29 Jun 2019 02:46
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 29 03:32:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 03:29:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87235	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	89766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46602	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27902	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.68	69	23859	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.27	63	63384	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	4.19	46	93055	52.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.58%
24) Chloroform-d	4.64	84	60593	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.30	65	34193	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.33	84	110283	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.32	67	35950	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.56	98	108895	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.85	79	14826	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.31	63	64655	51.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31506	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	43860	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	43666	4.862 ug/L	99
3) Chloromethane	1.33	50	41274	4.879 ug/L	99
5) Vinyl chloride	1.40	62	42475	4.978 ug/L	97
6) Bromomethane	1.62	94	21501	4.807 ug/L	97
8) Chloroethane	1.69	64	24859	5.029 ug/L	99
9) Trichlorofluoromethane	1.88	101	61152	5.057 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	30791	4.920 ug/L	98
12) 1,1-Dichloroethene	2.28	96	28556	4.918 ug/L	98
13) Acetone	2.32	43	70289	47.316 ug/L	99
14) Carbon disulfide	2.47	76	93958	4.863 ug/L	100
15) Methyl Acetate	2.61	43	18504	5.385 ug/L	95
16) Methylene chloride	2.69	84	32900	4.941 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	81098	4.978 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	31168	4.904 ug/L	97
19) 1,1-Dichloroethane	3.43	63	62822	5.029 ug/L	98
21) 2-Butanone	4.27	43	101807	48.686 ug/L	99
22) cis-1,2-Dichloroethene	4.21	96	33716	4.883 ug/L	97

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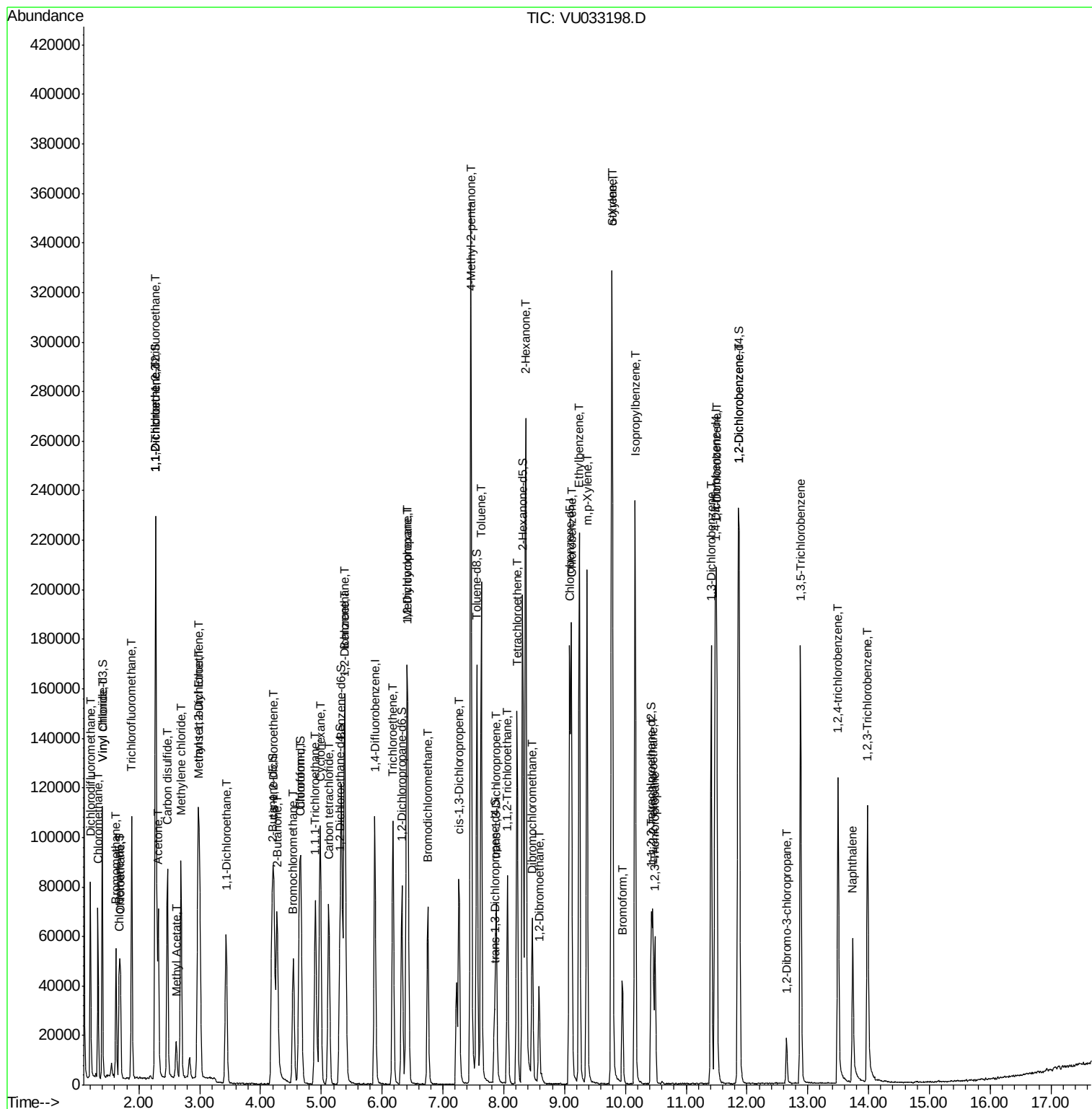
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	16153	5.272	ug/L	96
25) Chloroform	4.67	83	65087	5.127	ug/L	96
27) 1,2-Dichloroethane	5.40	62	43635	5.019	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	55558	4.871	ug/L	98
30) Cyclohexane	4.98	56	48706	4.610	ug/L	99
31) Carbon tetrachloride	5.12	117	50154	4.834	ug/L	97
33) Benzene	5.38	78	129677	4.900	ug/L	100
34) Trichloroethene	6.18	95	34373	4.743	ug/L	97
35) Methylcyclohexane	6.40	83	48581	4.502	ug/L	99
37) 1,2-Dichloropropane	6.42	63	34792	4.902	ug/L	99
38) Bromodichloromethane	6.75	83	46098	4.926	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	45854	4.431	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	241294	49.328	ug/L	100
42) Toluene	7.63	91	139220	4.925	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	38895	4.612	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	24420	4.907	ug/L	99
47) Tetrachloroethene	8.22	164	31970	5.484	ug/L	98
48) 2-Hexanone	8.36	43	179697	51.336	ug/L	98
49) Dibromochloromethane	8.47	129	32049	5.076	ug/L	99
50) 1,2-Dibromoethane	8.58	107	24021	4.951	ug/L	99
51) Chlorobenzene	9.11	112	90050	4.822	ug/L	99
52) Ethylbenzene	9.24	91	147400	4.736	ug/L	99
53) m,p-Xylene	9.37	106	55298	4.895	ug/L	99
54) o-Xylene	9.77	106	53212	4.833	ug/L	98
55) Styrene	9.79	104	94373	5.064	ug/L	100
56) Isopropylbenzene	10.16	105	143181	4.791	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	30473	4.720	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	22745	4.789	ug/L	100
61) Bromoform	9.95	173	18086	5.098	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	69879	4.795	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	73276	4.819	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	70773	5.007	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5007	5.151	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	55139	4.747	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	42023	5.062	ug/L	95
69) Naphthalene	13.74	128	54742	4.494	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	41931	5.152	ug/L	98

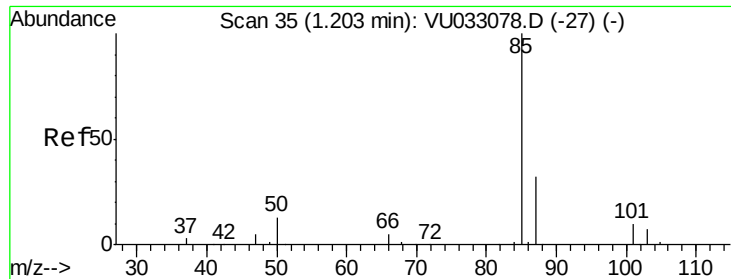
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.862 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

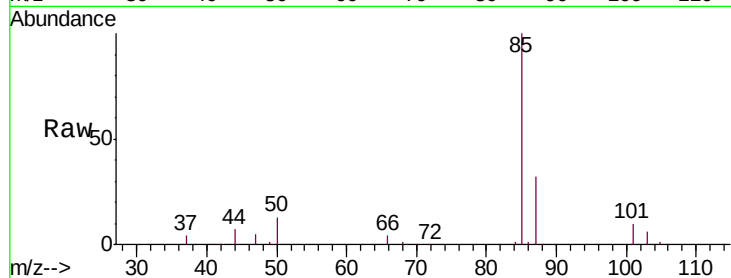
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 85 Resp: 43666

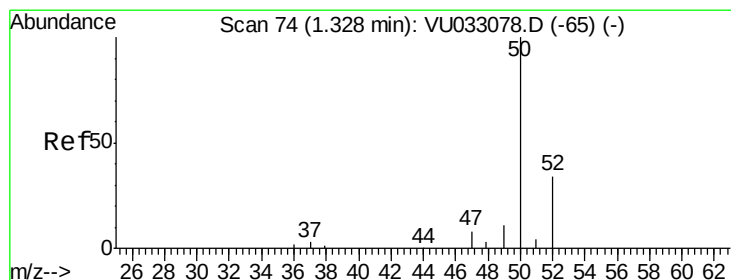
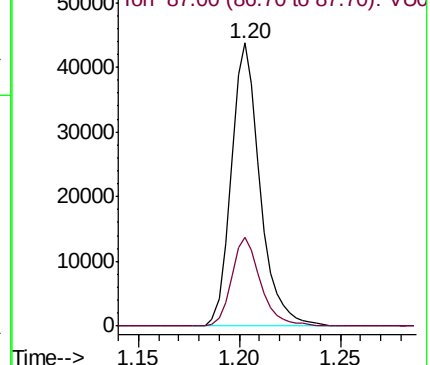
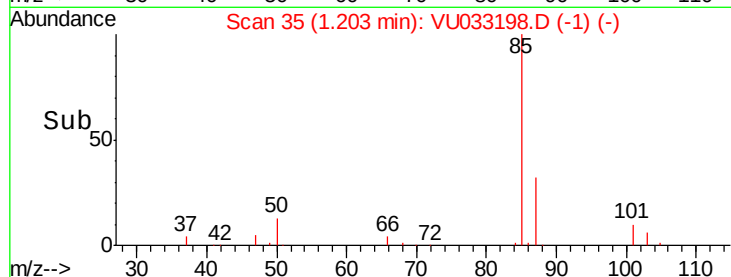
Ion Ratio Lower Upper

85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033198.D (-1) (-)



#3

Chloromethane

Concen: 4.879 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU033198.D

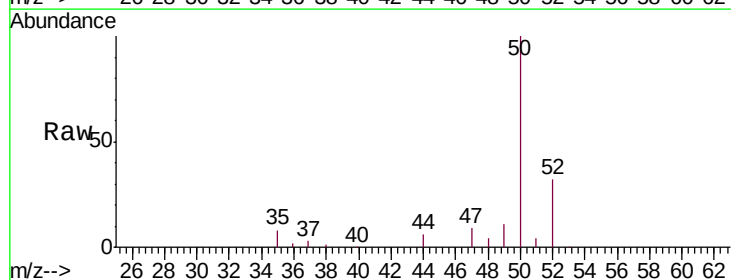
Acq: 29 Jun 2019 02:46

Tgt Ion: 50 Resp: 41274

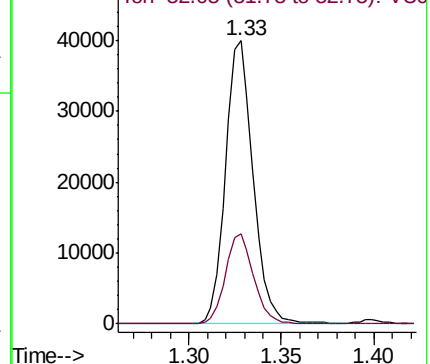
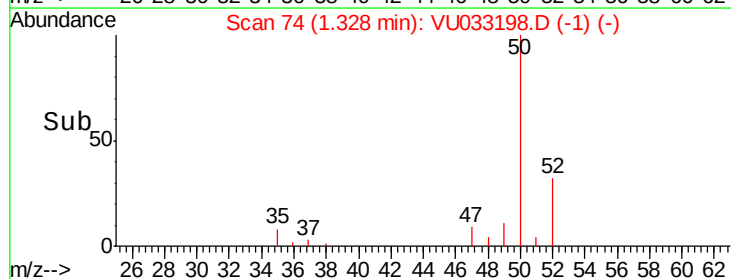
Ion Ratio Lower Upper

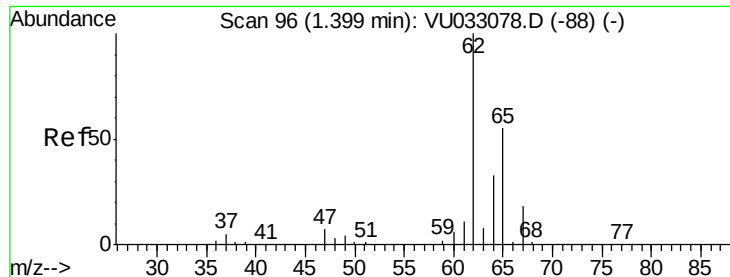
50 100

52 31.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU033198.D (-1) (-)





#5

Vinyl chloride

Concen: 4.978 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

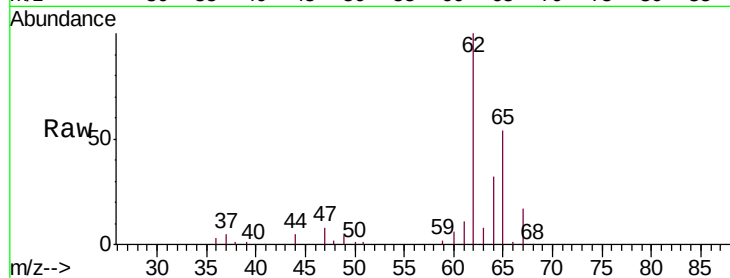
ClientSampleId :

Tgt Ion: 62 Resp: 42475

Ion Ratio Lower Upper

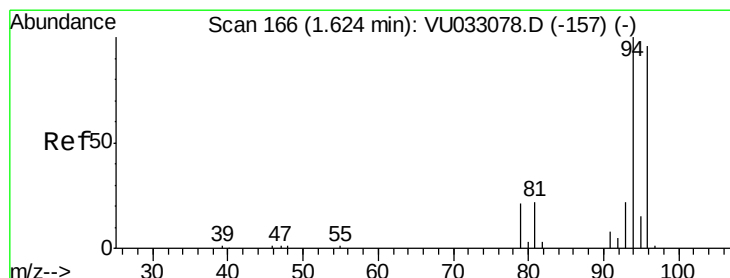
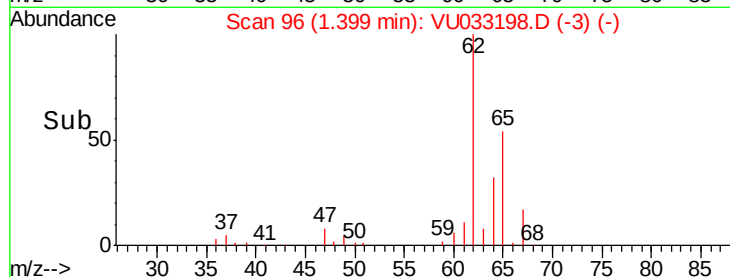
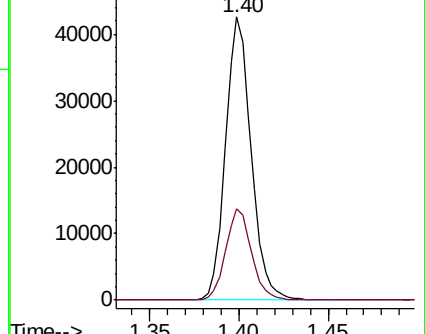
62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.807 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033198.D

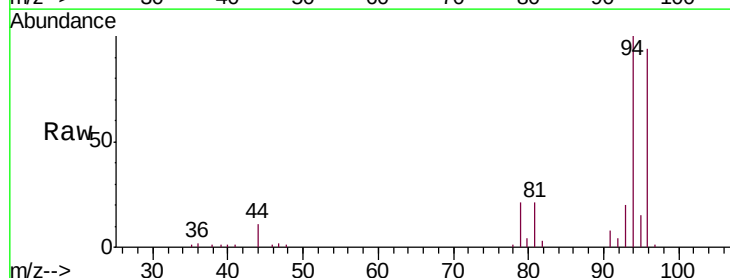
Acq: 29 Jun 2019 02:46

Tgt Ion: 94 Resp: 21501

Ion Ratio Lower Upper

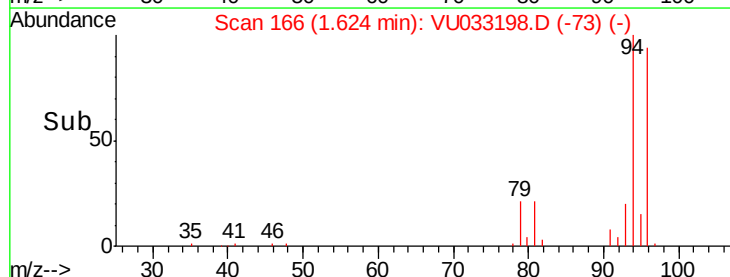
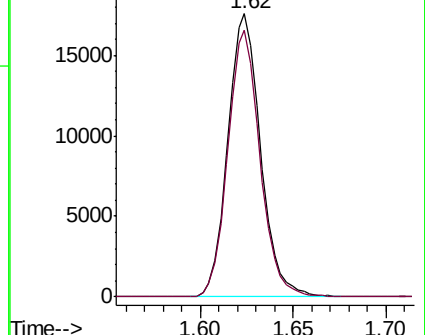
94 100

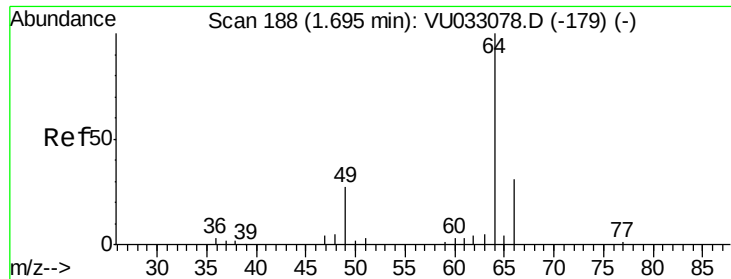
96 94.3 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

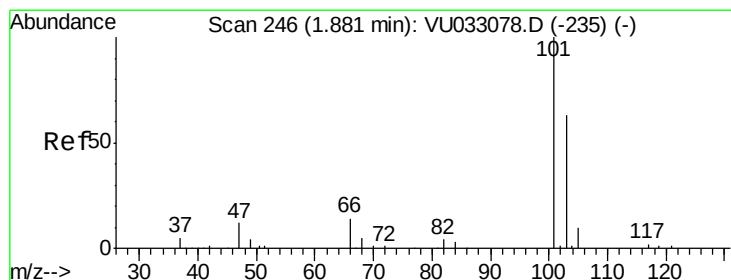
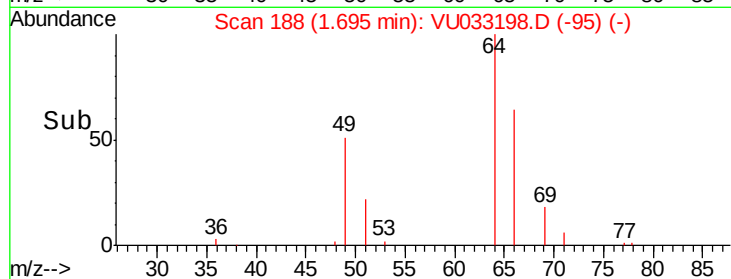
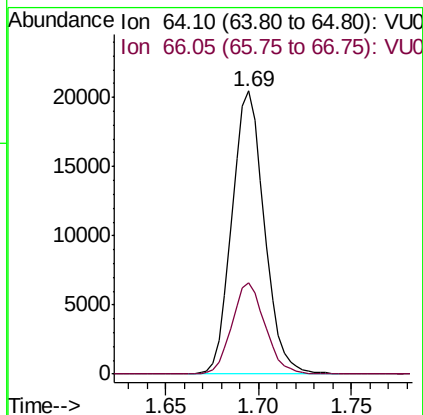
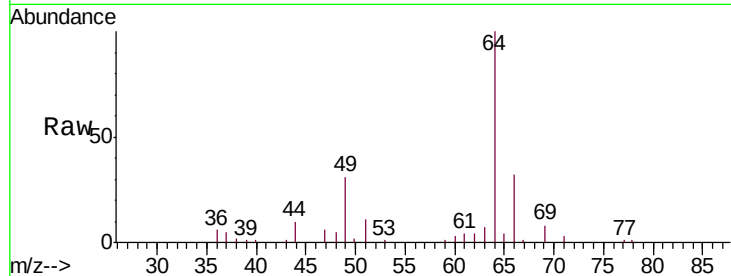




#8
Chloroethane
Concen: 5.029 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

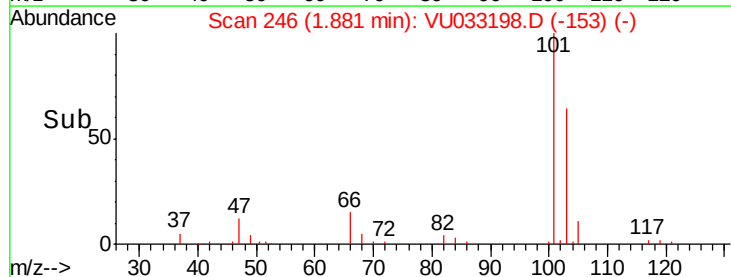
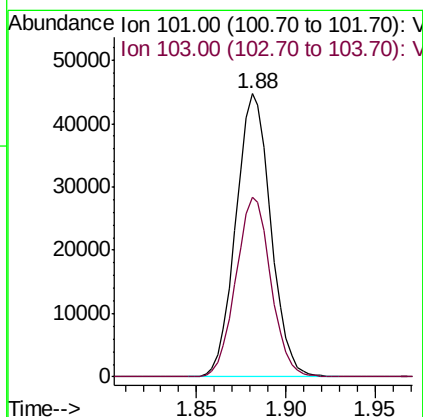
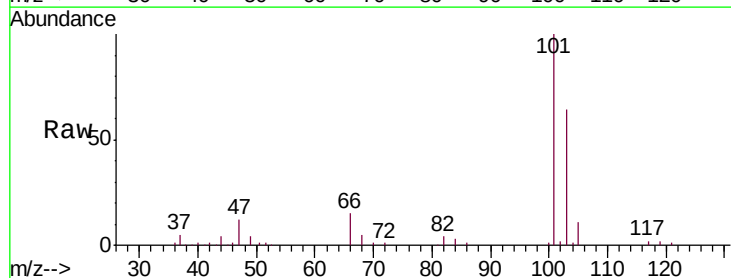
Instrument :
MSVOA_U
ClientSampleId :

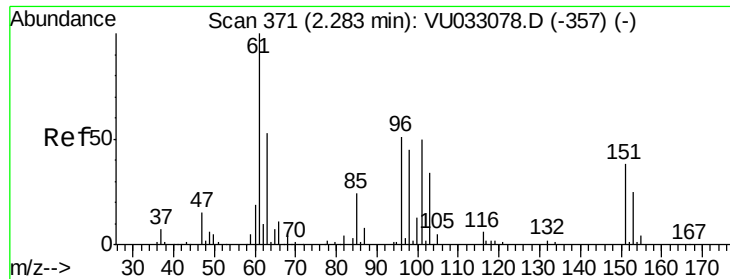
Tgt Ion: 64 Resp: 24859
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.057 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion: 101 Resp: 61152
Ion Ratio Lower Upper
101 100
103 63.6 50.1 75.1





#10

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

Concen: 4.920 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampled :

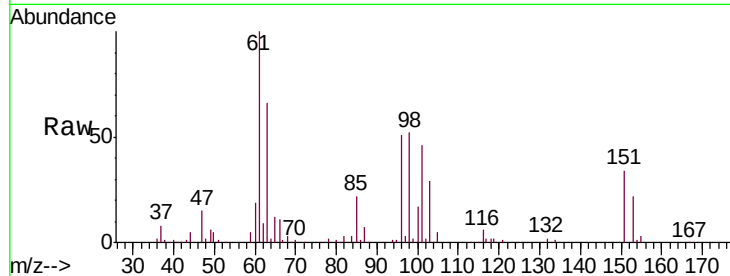
Tgt Ion: 101 Resp: 30791

Ion Ratio Lower Upper

101 100

85 48.8 37.1 55.7

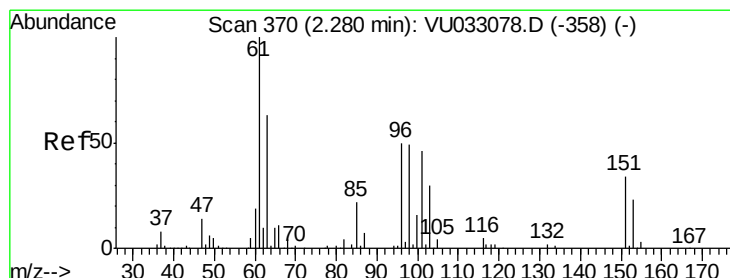
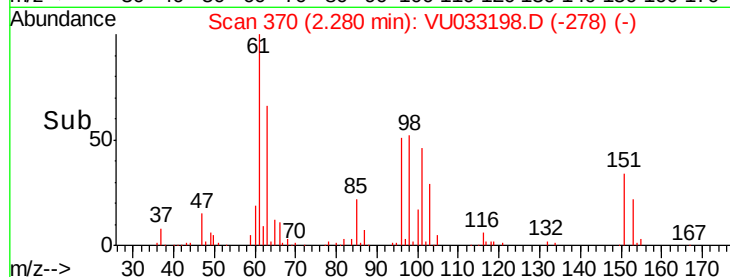
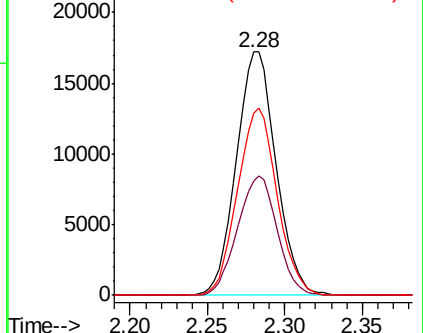
151 76.5 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.918 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

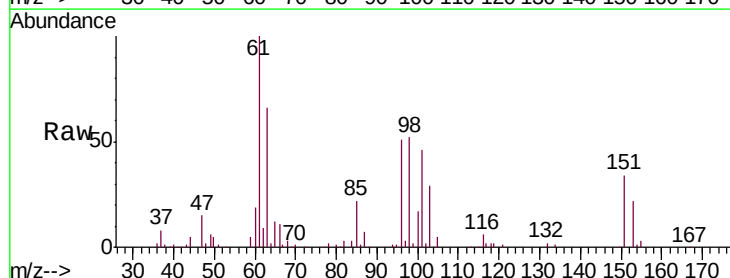
Tgt Ion: 96 Resp: 28556

Ion Ratio Lower Upper

96 100

61 197.1 137.6 255.6

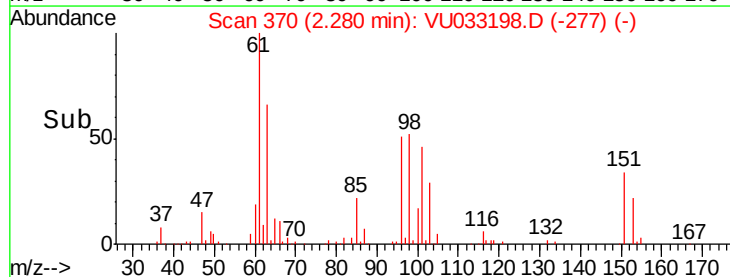
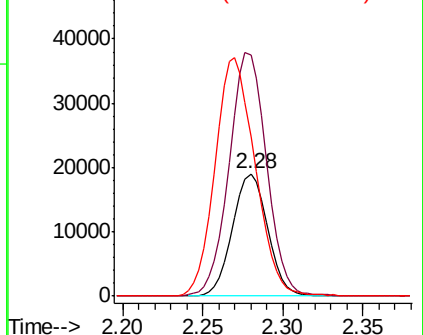
63 130.2 94.4 175.2

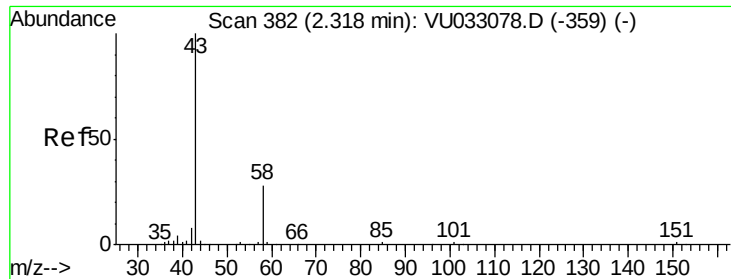


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.316 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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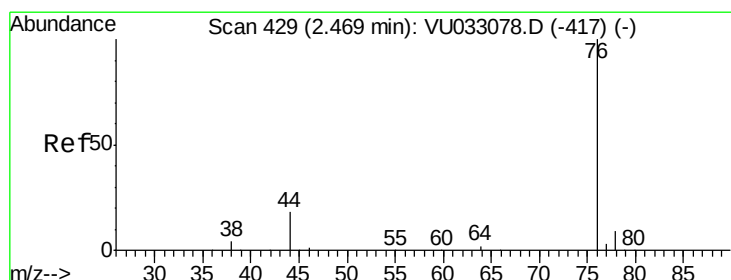
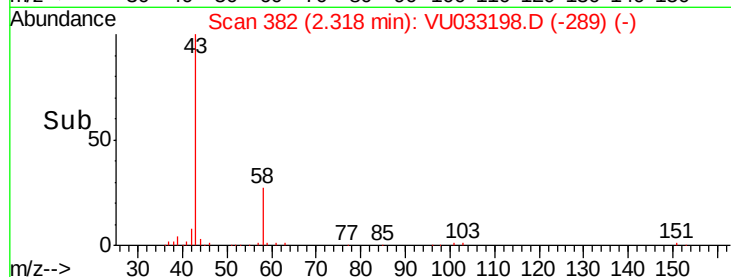
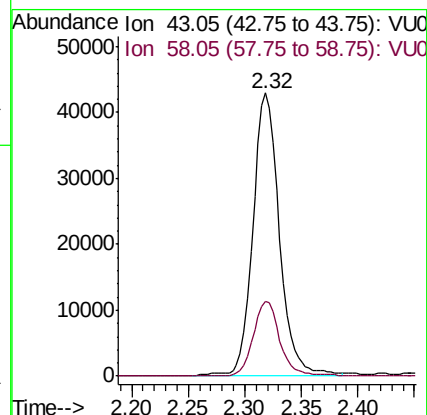
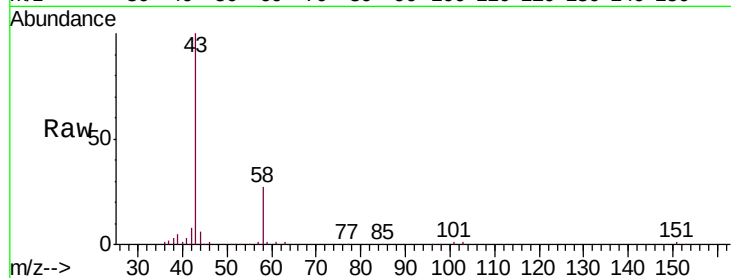
ClientSampleId :

Tgt Ion: 43 Resp: 70289

Ion Ratio Lower Upper

43 100

58 26.6 0.0 51.8



#14

Carbon disulfide

Concen: 4.863 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU033198.D

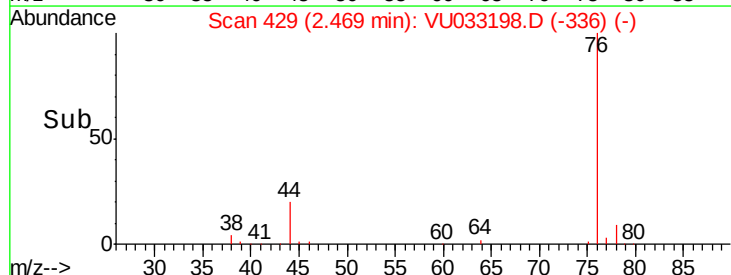
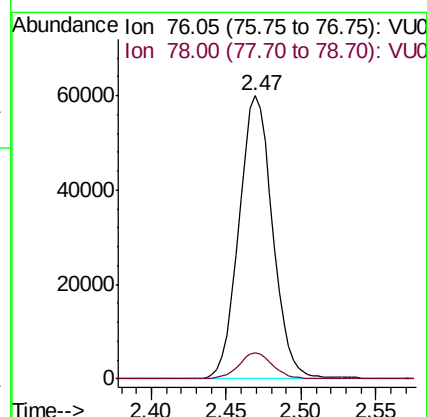
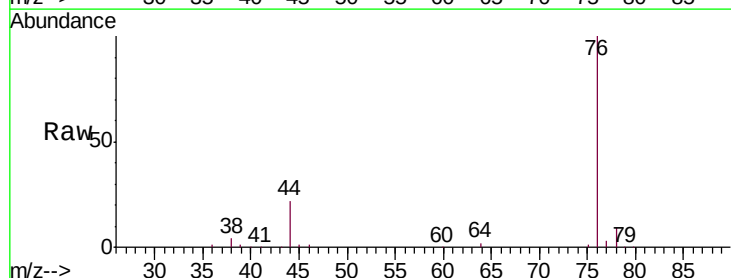
Acq: 29 Jun 2019 02:46

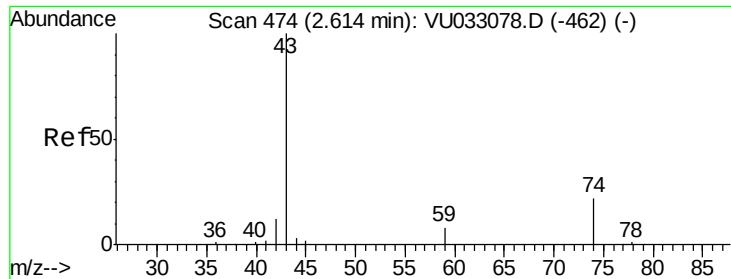
Tgt Ion: 76 Resp: 93958

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

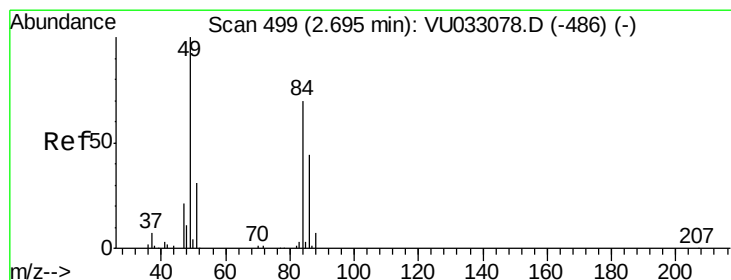
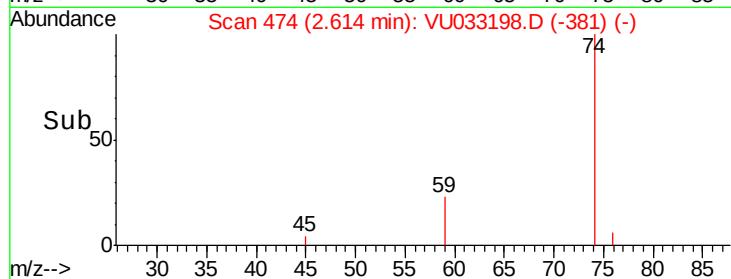
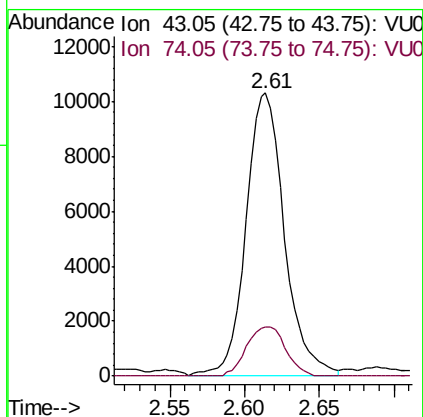
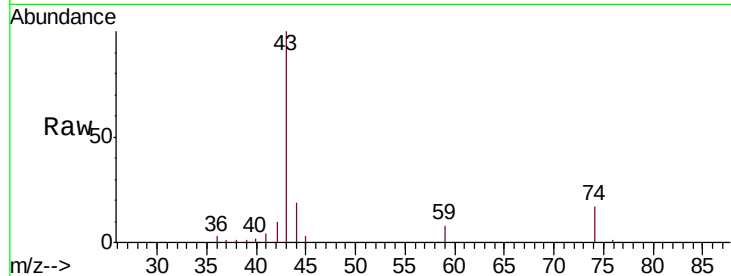




#15
Methyl Acetate
Concen: 5.385 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

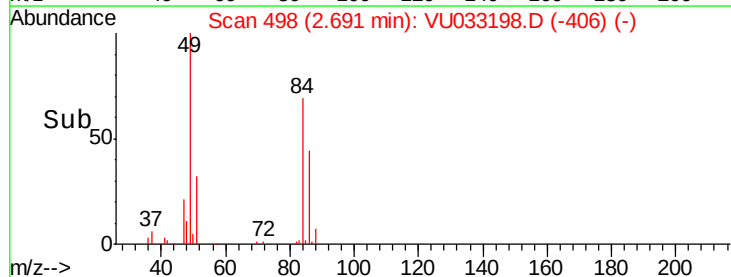
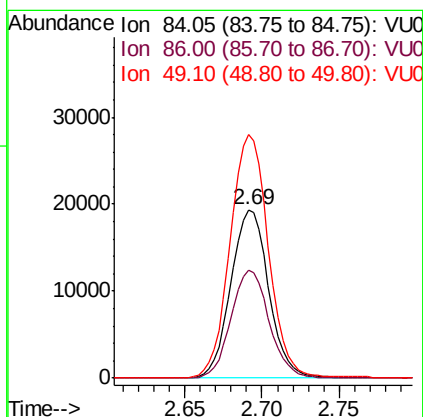
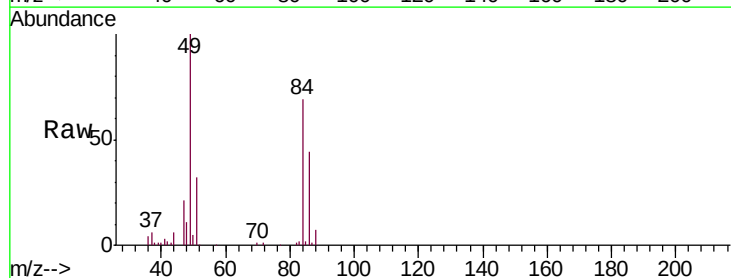
Instrument :
MSVOA_U
ClientSampleId :

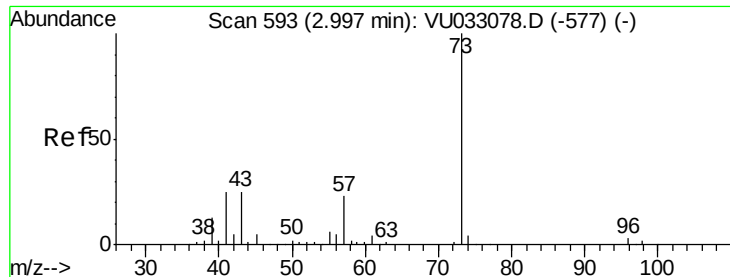
Tgt Ion: 43 Resp: 18504
Ion Ratio Lower Upper
43 100
74 17.6 16.1 24.1



#16
Methylene chloride
Concen: 4.941 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion: 84 Resp: 32900
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 144.8 99.7 185.1

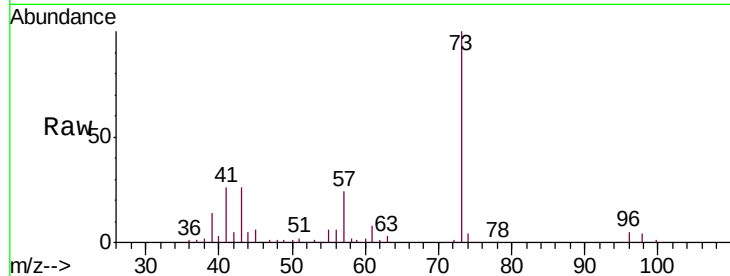




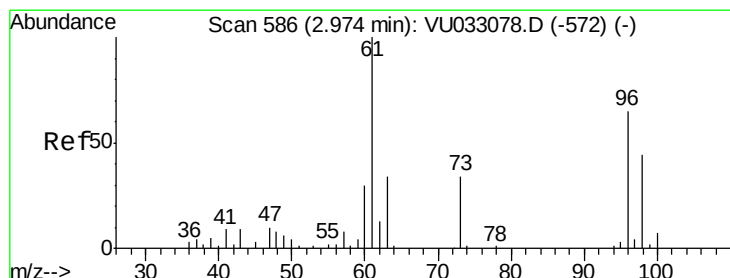
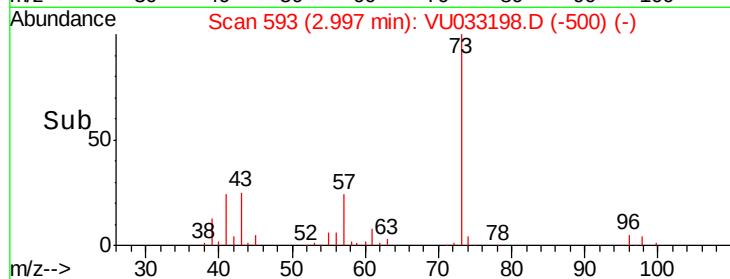
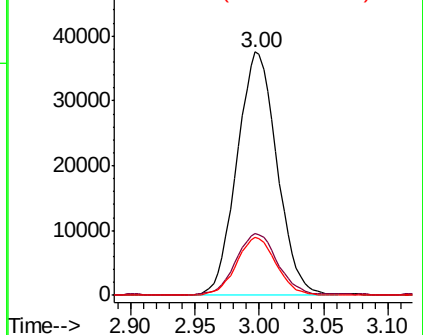
#17
Methyl tert-butyl Ether
Concen: 4.978 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 73 Resp: 81098
Ion Ratio Lower Upper
73 100
43 26.0 20.2 30.2
57 23.5 18.5 27.7

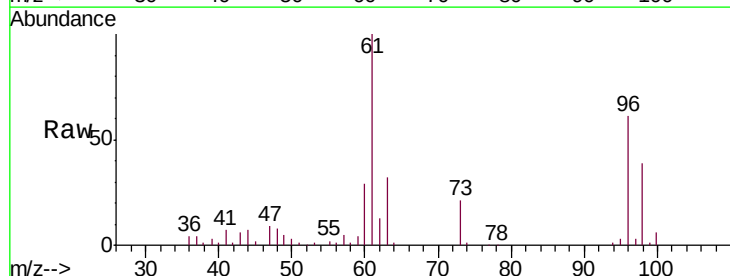


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

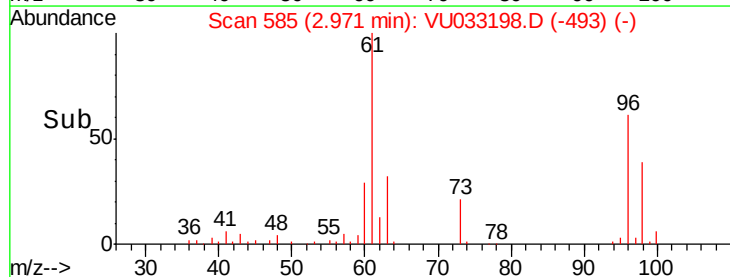
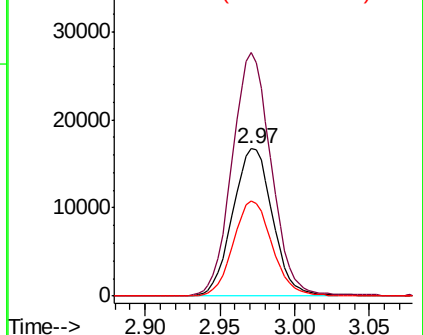


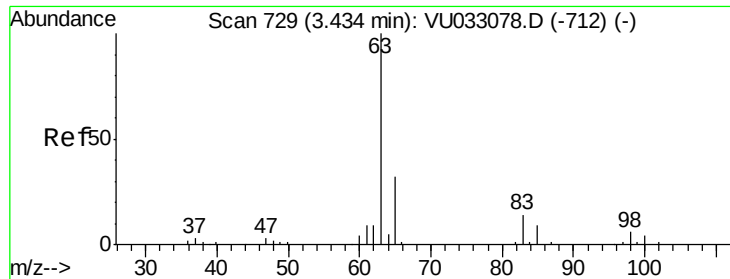
#18
trans-1,2-Dichloroethene
Concen: 4.904 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion: 96 Resp: 31168
Ion Ratio Lower Upper
96 100
61 165.1 112.2 208.4
98 64.6 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

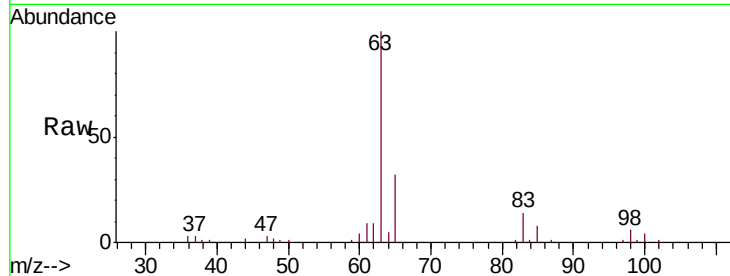




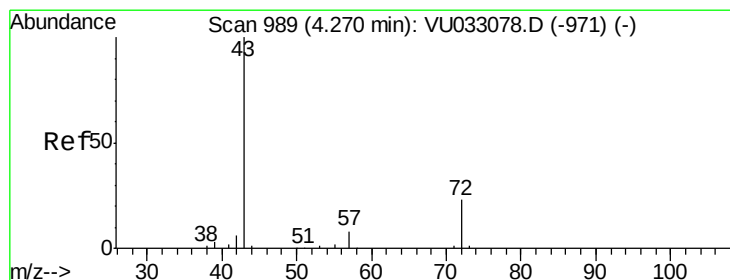
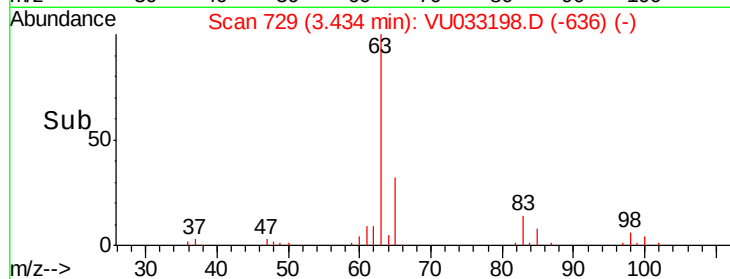
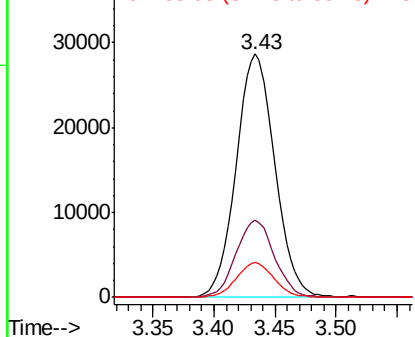
#19
 1,1-Dichloroethane
 Concen: 5.029 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 63 Resp: 62822
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 42.1
 83 14.4 9.6 17.8

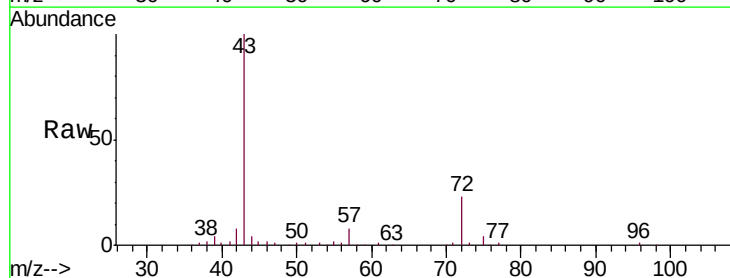


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

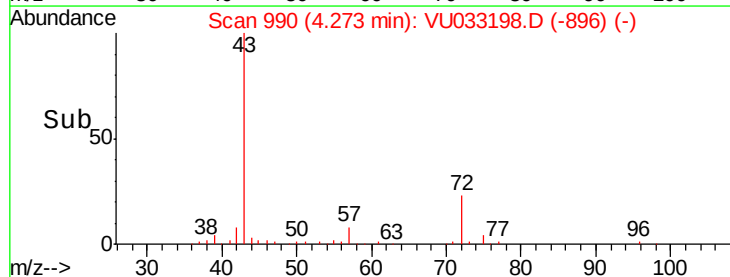
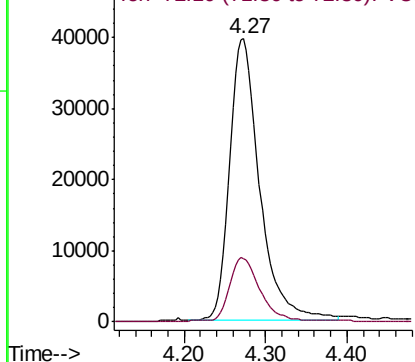


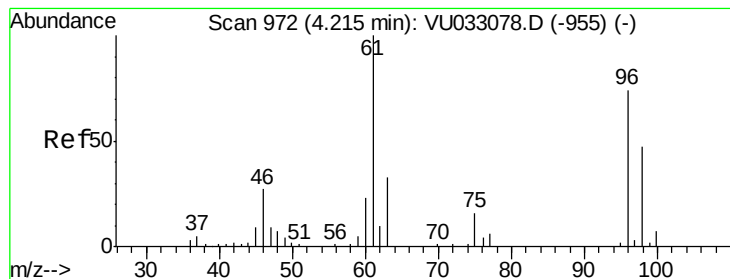
#21
 2-Butanone
 Concen: 48.686 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion: 43 Resp: 101807
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



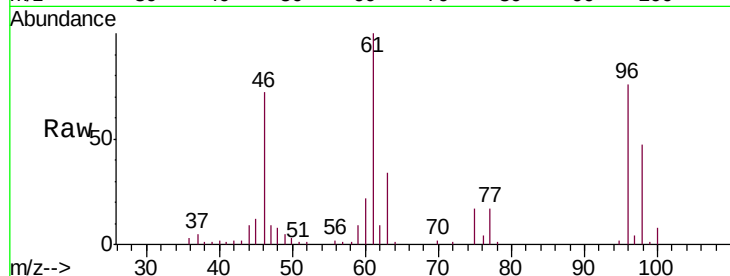


#22

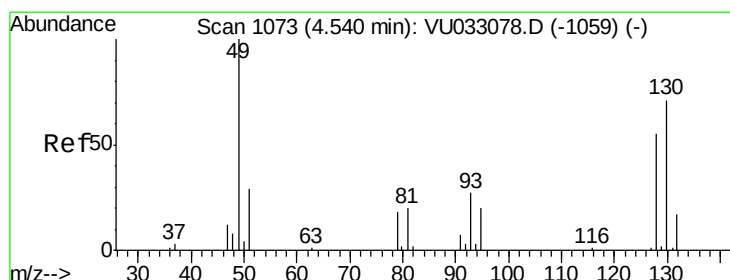
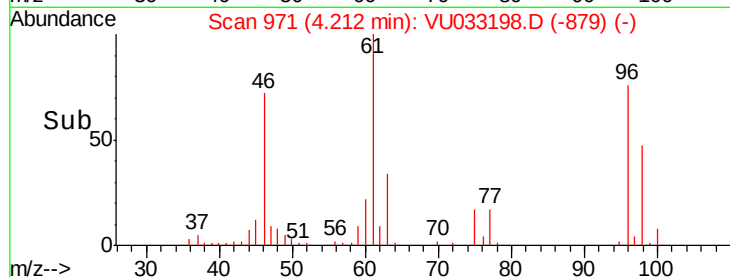
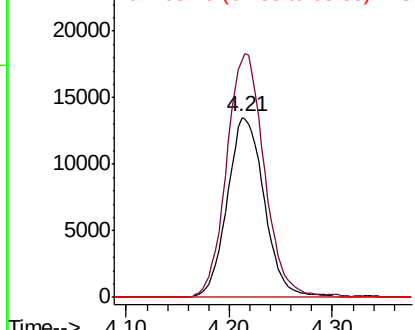
cis-1,2-Dichloroethene
Concen: 4.883 ug/L
RT: 4.21 min Scan# 971
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 96 Resp: 33716
Ion Ratio Lower Upper
96 100
61 131.9 94.6 175.8
68 0.0 0.0 0.0



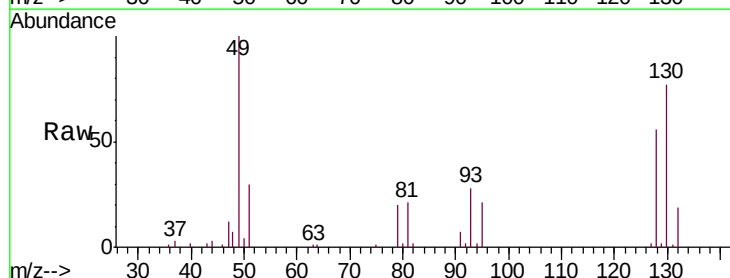
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



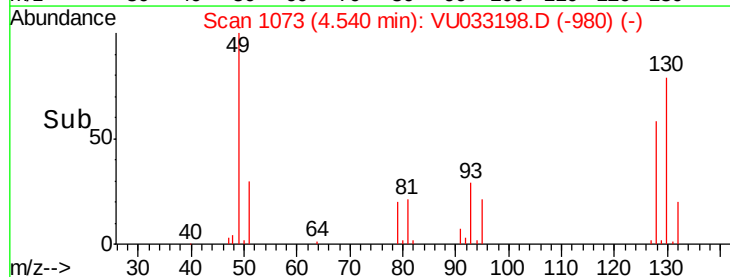
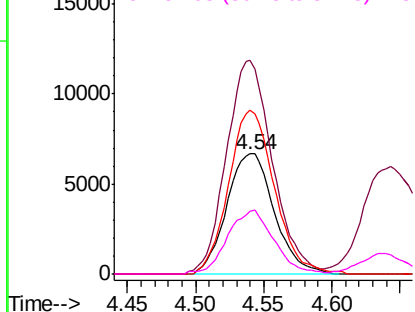
#23

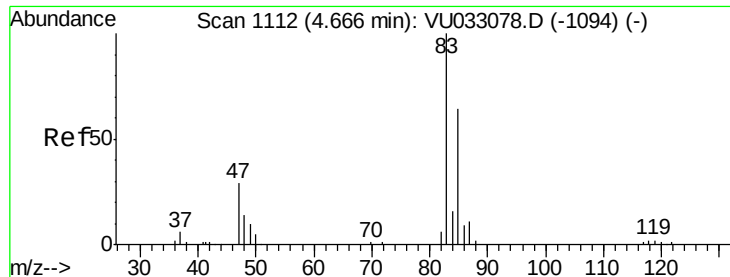
Bromochloromethane
Concen: 5.272 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion: 128 Resp: 16153
Ion Ratio Lower Upper
128 100
49 178.0 123.3 228.9
130 136.4 90.9 168.7
51 52.8 45.6 68.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

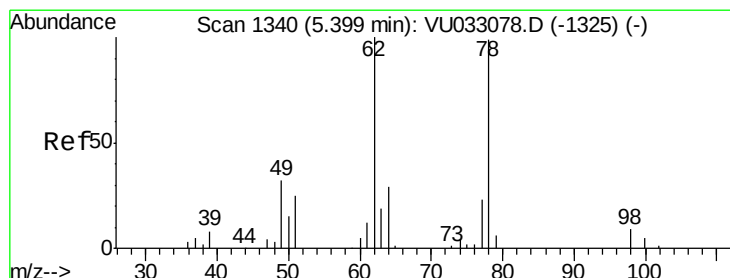
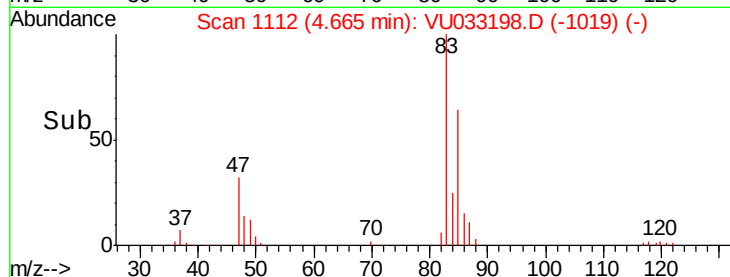
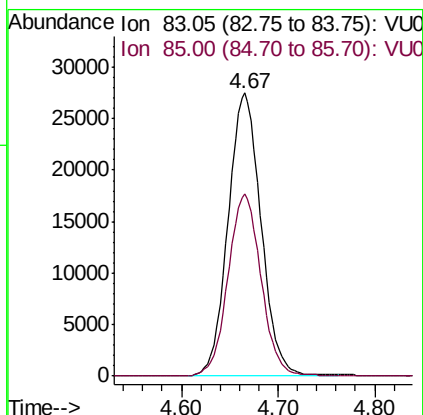
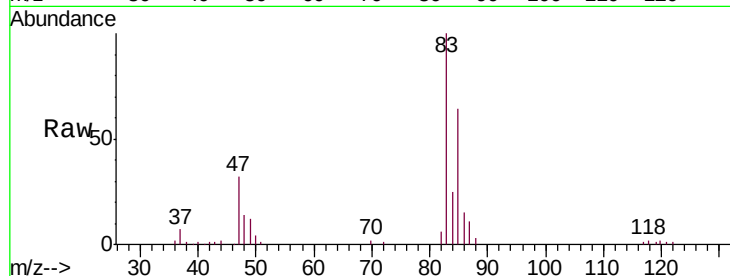




#25
Chloroform
Concen: 5.127 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

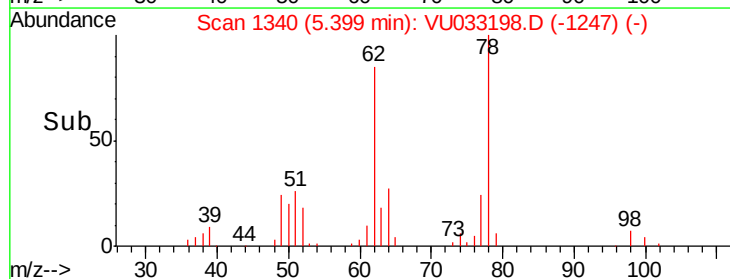
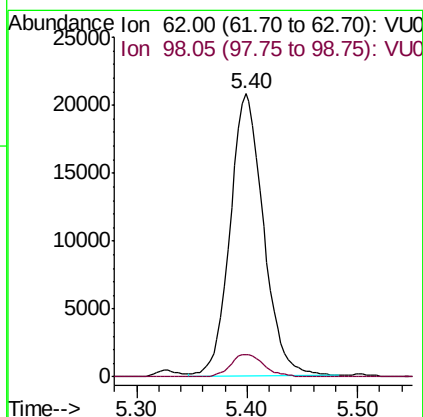
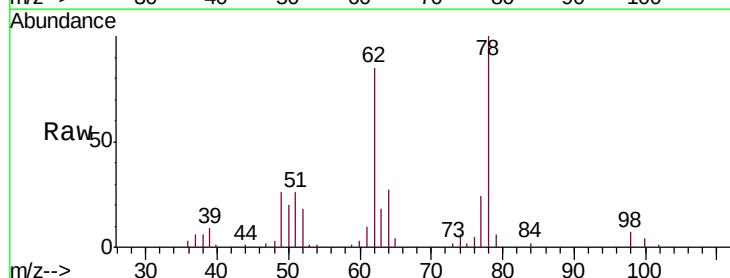
Instrument :
MSVOA_U
ClientSampleId :

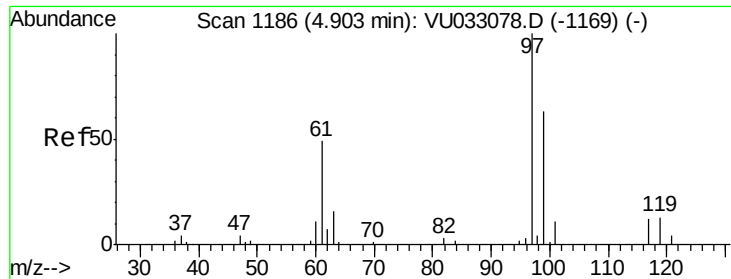
Tgt Ion: 83 Resp: 65087
Ion Ratio Lower Upper
83 100
85 64.4 47.3 87.8



#27
1,2-Dichloroethane
Concen: 5.019 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion: 62 Resp: 43635
Ion Ratio Lower Upper
62 100
98 7.7 5.8 8.6

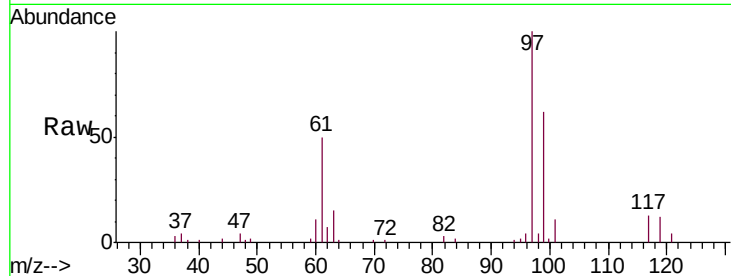




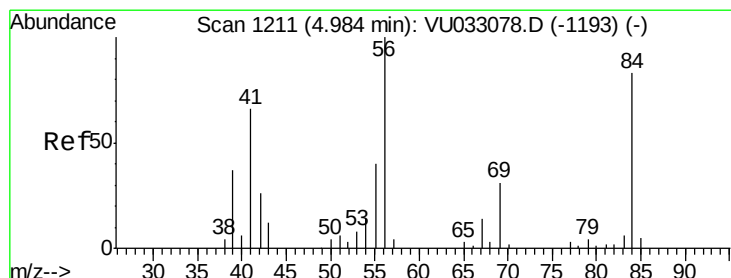
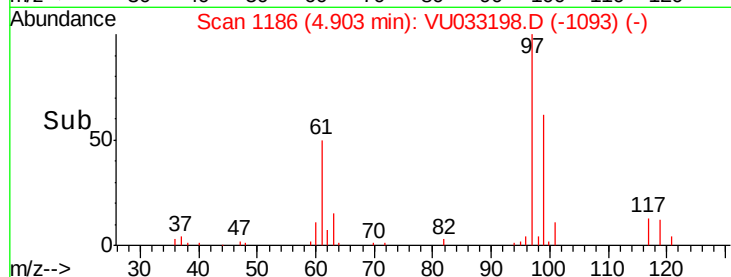
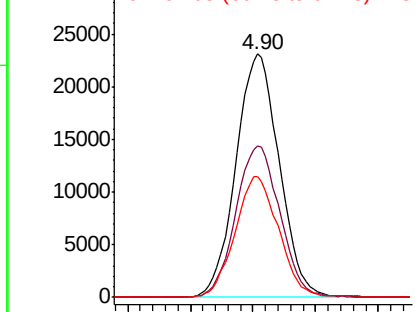
#29
 1,1,1-Trichloroethane
 Concen: 4.871 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 97 Resp: 55558
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.4 77.2
 61 49.7 38.1 57.1

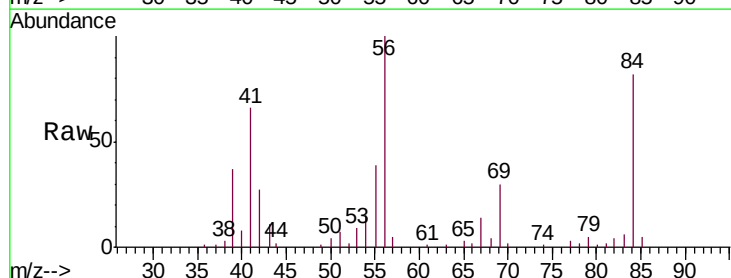


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

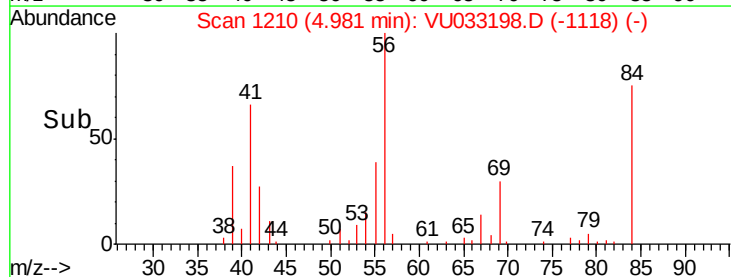
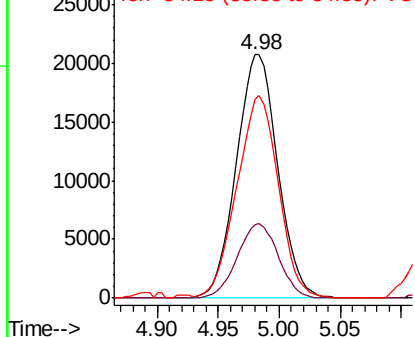


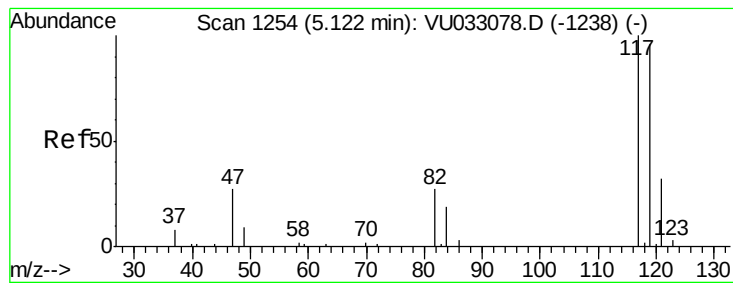
#30
 Cyclohexane
 Concen: 4.610 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion: 56 Resp: 48706
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.7 35.5
 84 83.3 65.8 98.8



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.834 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

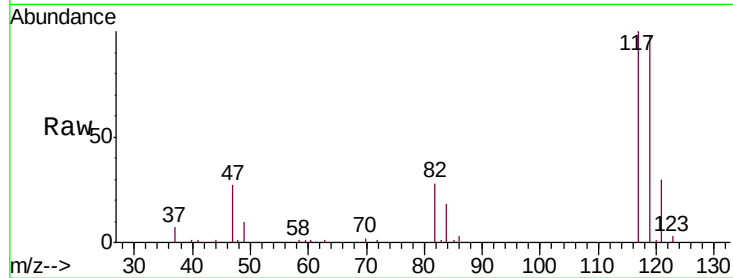
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 50154

Ion Ratio Lower Upper

117 100

119 97.6 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

25000

20000

15000

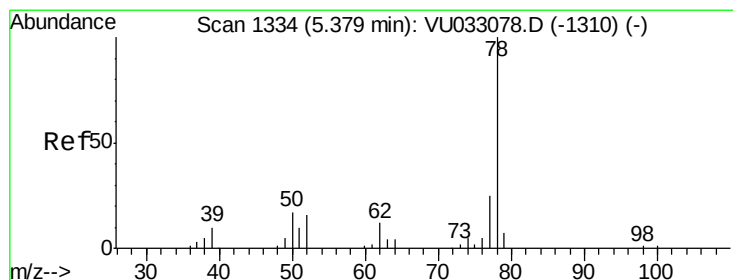
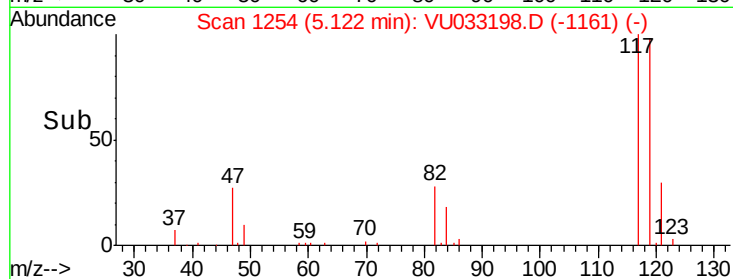
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.900 ug/L

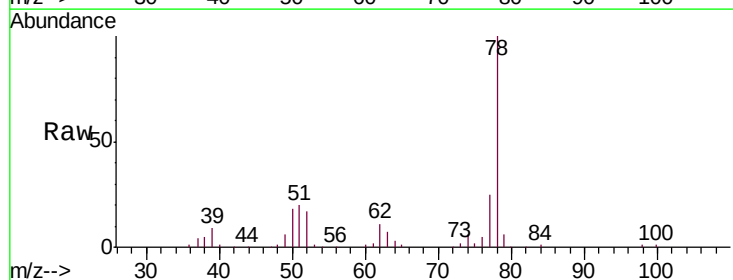
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Tgt Ion: 78 Resp: 129677



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

60000

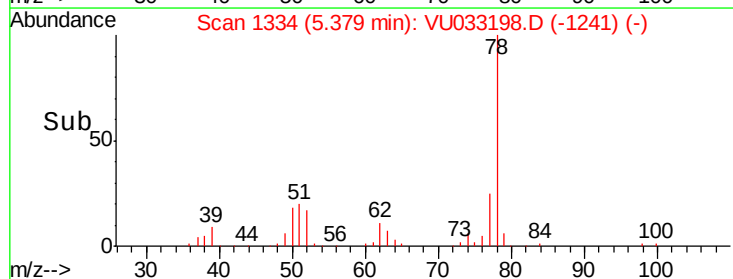
40000

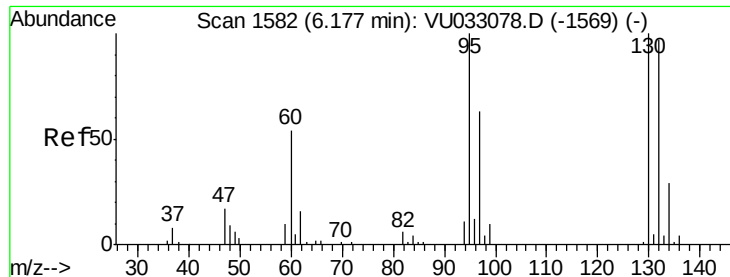
20000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.743 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampled :

Tgt Ion: 95 Resp: 34373

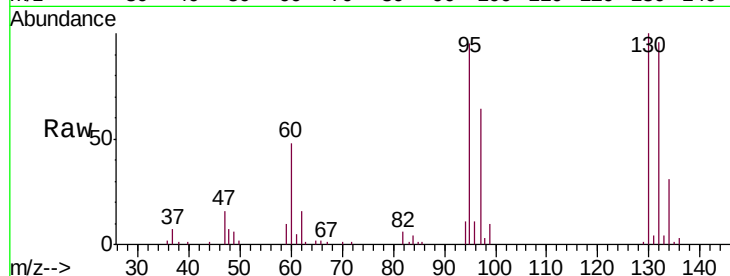
Ion Ratio Lower Upper

95 100

97 67.5 46.0 85.4

132 101.5 68.6 127.4

130 105.6 71.1 132.1

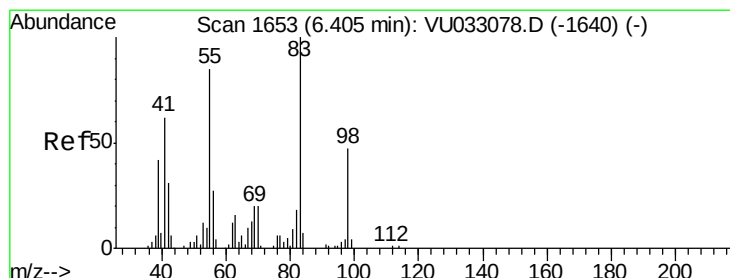
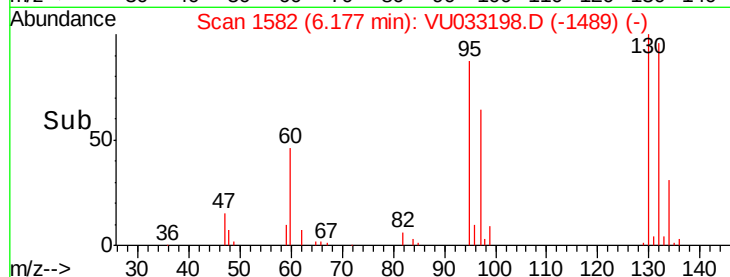
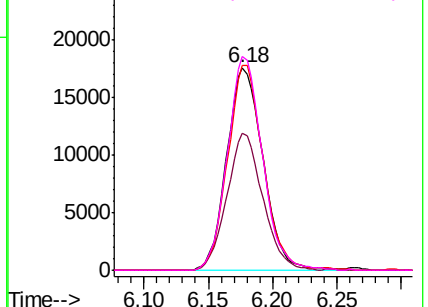


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.502 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

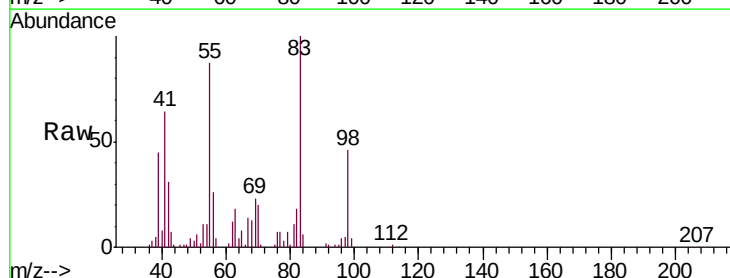
Tgt Ion: 83 Resp: 48581

Ion Ratio Lower Upper

83 100

55 84.4 67.0 100.4

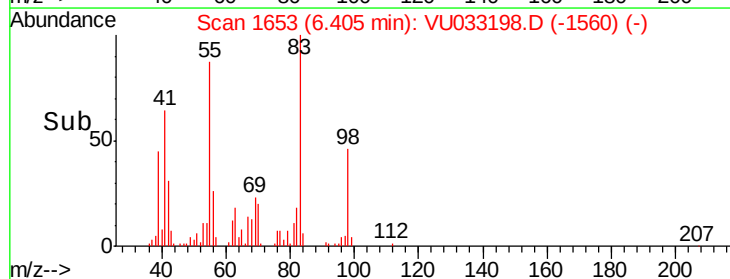
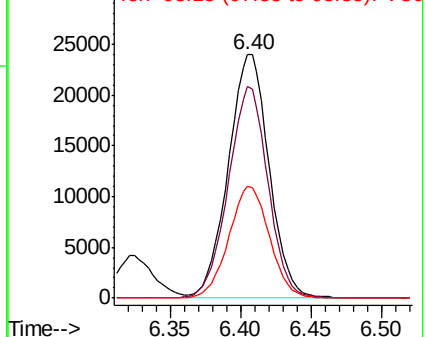
98 45.7 37.7 56.5

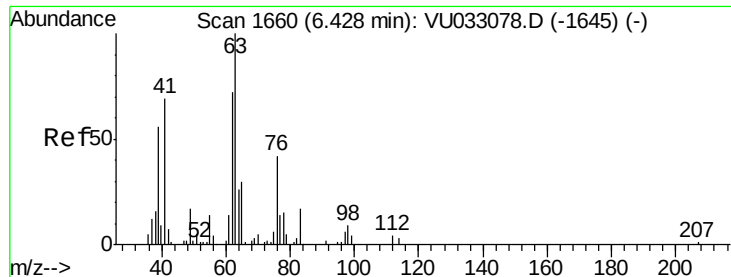


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

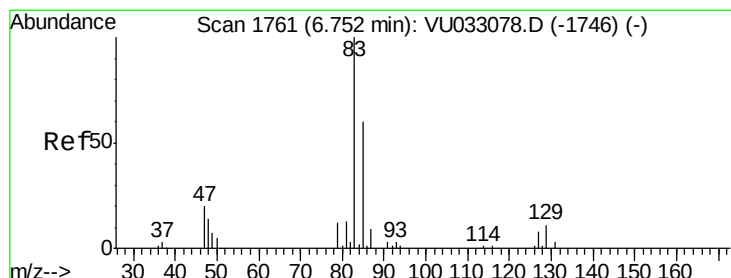
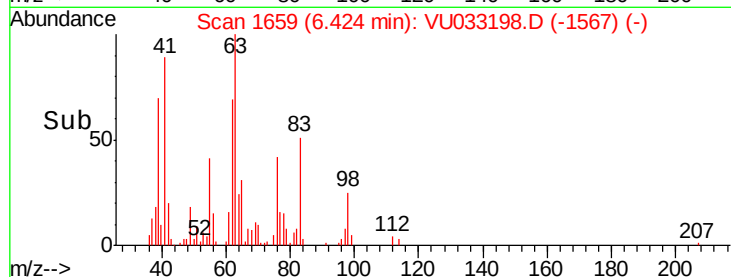
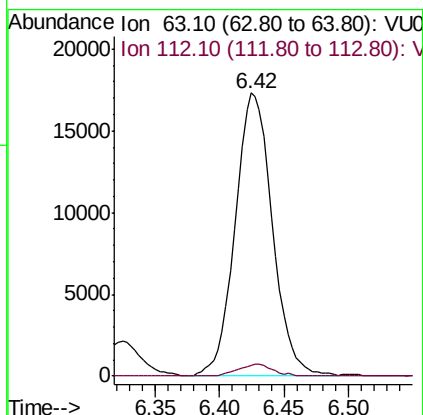
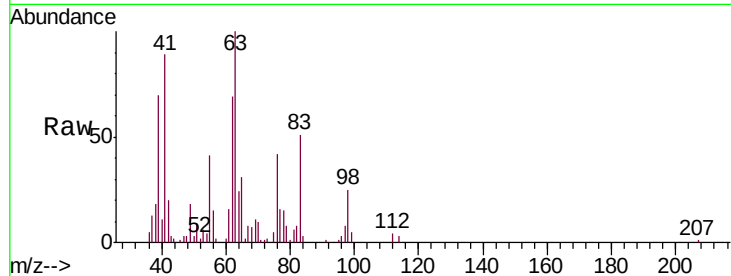




#37
 1,2-Dichloropropane
 Concen: 4.902 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

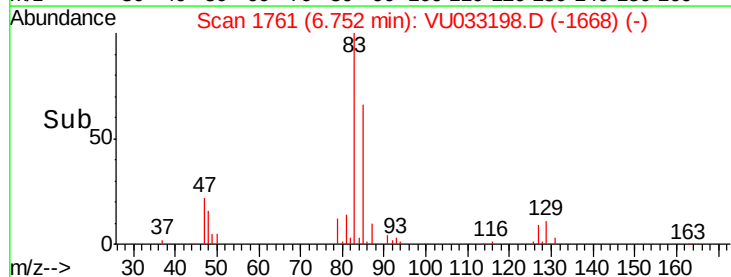
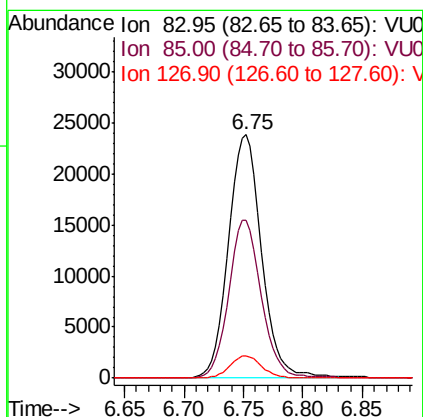
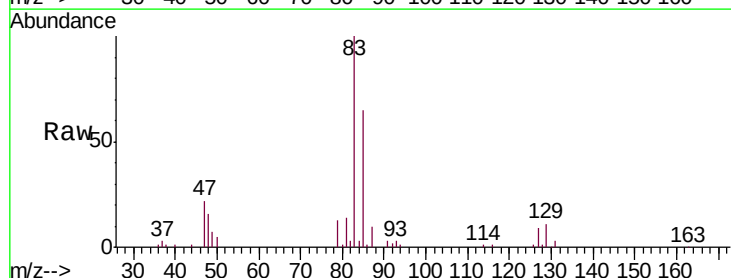
Instrument :
 MSVOA_U
 ClientSampleId :

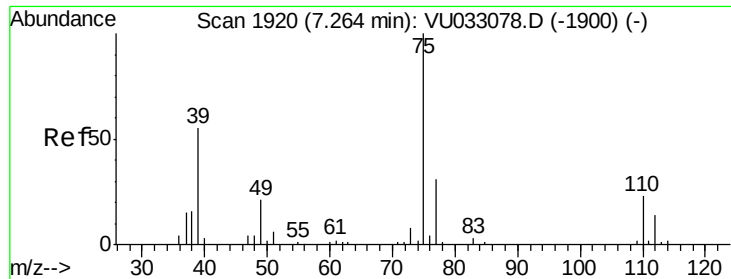
Tgt Ion: 63 Resp: 34792
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.926 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion: 83 Resp: 46098
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.9
 127 9.3 6.9 10.3

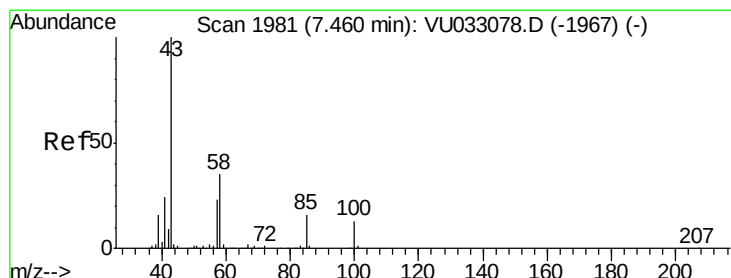
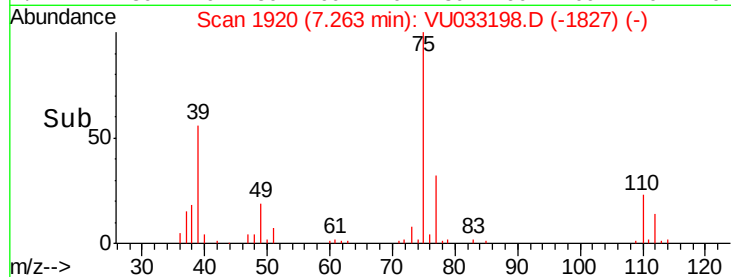
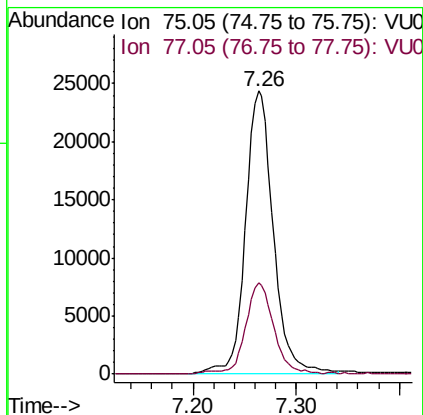
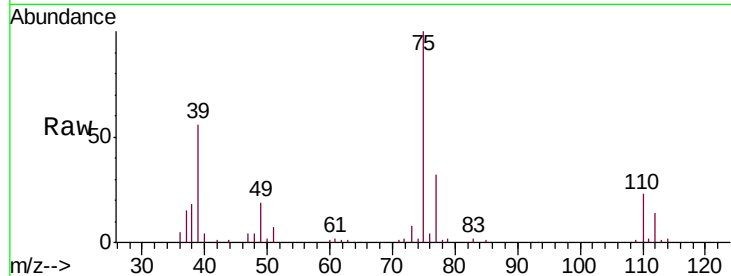




#39
 cis-1,3-Dichloropropene
 Concen: 4.431 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

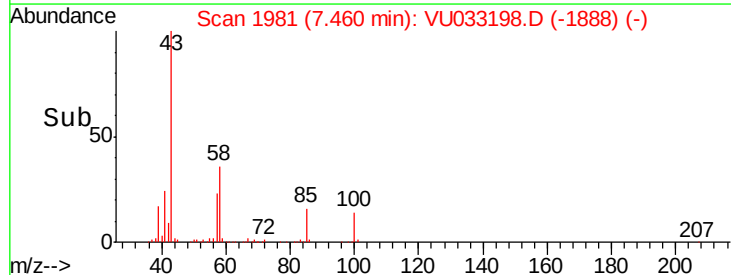
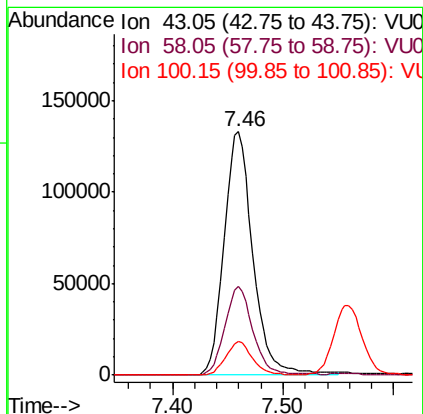
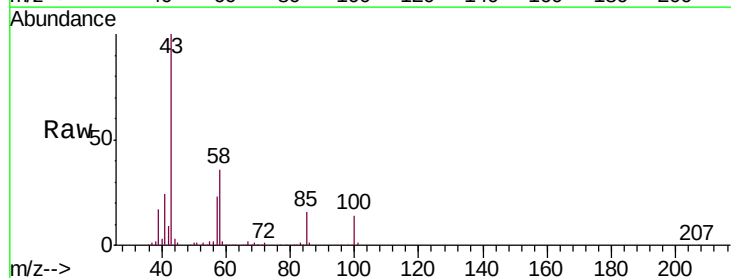
Instrument :
 MSVOA_U
 ClientSampled :

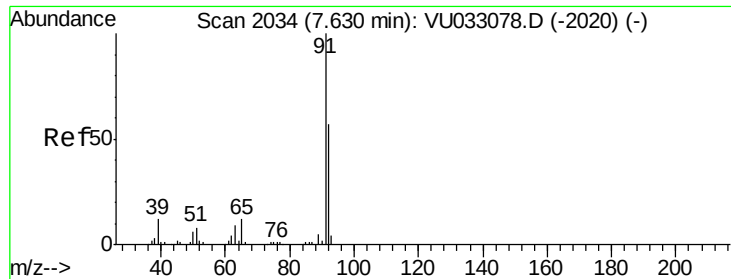
Tgt Ion: 75 Resp: 45854
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 49.328 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion: 43 Resp: 241294
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.2 42.2
 100 13.0 10.4 15.6





#42

Toluene

Concen: 4.925 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

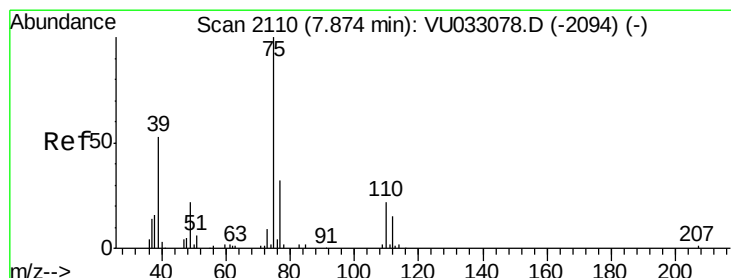
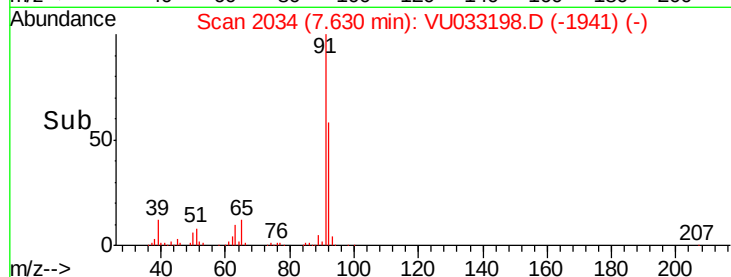
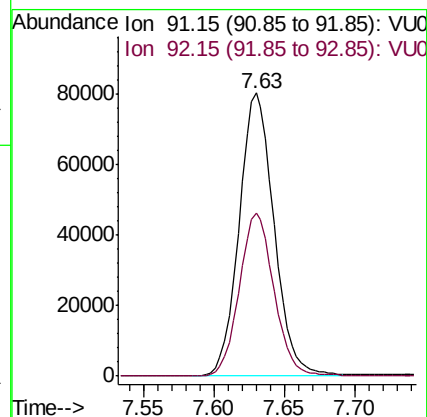
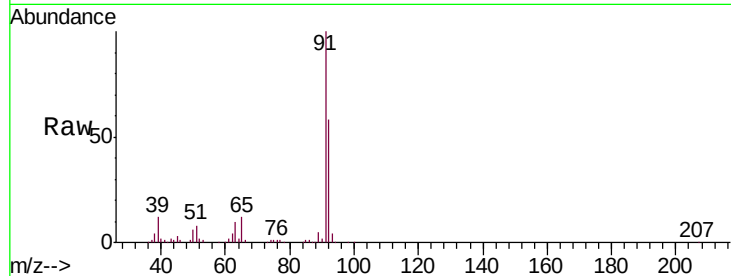
ClientSampleId :

Tgt Ion: 91 Resp: 139220

Ion Ratio Lower Upper

91 100

92 57.6 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 4.612 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU033198.D

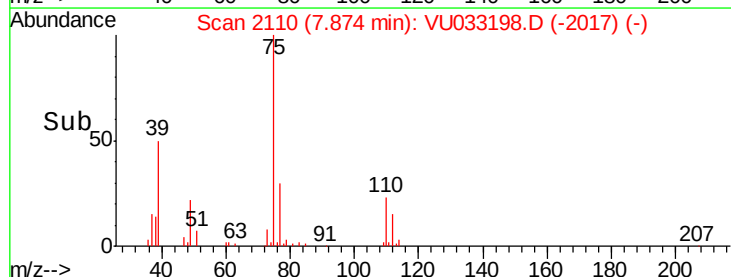
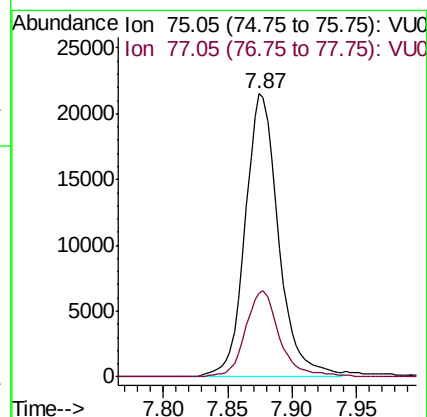
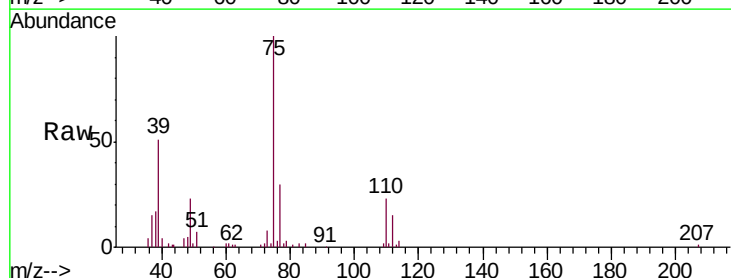
Acq: 29 Jun 2019 02:46

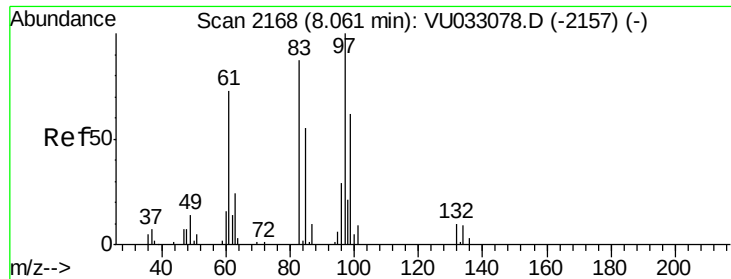
Tgt Ion: 75 Resp: 38895

Ion Ratio Lower Upper

75 100

77 29.7 21.6 40.2

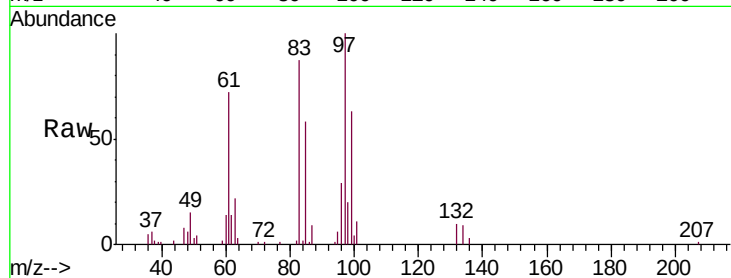




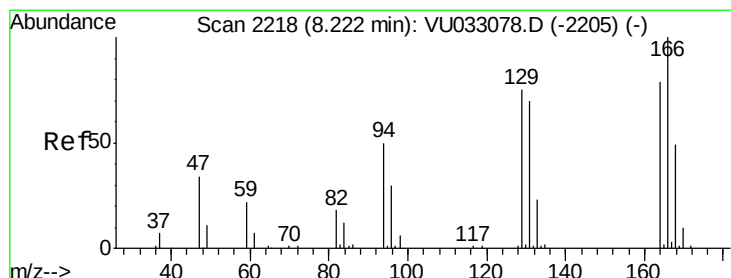
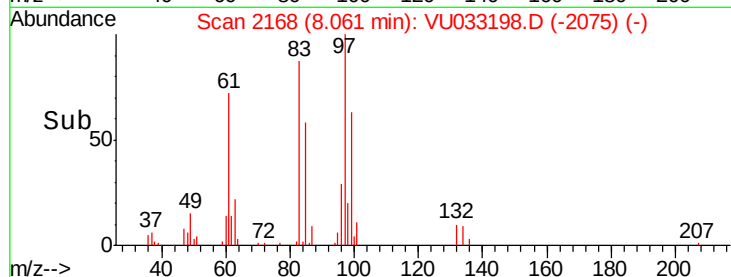
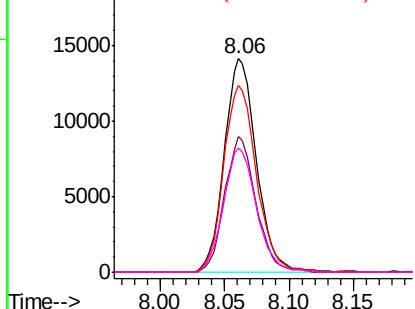
#45
 1,1,2-Trichloroethane
 Concen: 4.907 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	97	Resp:	24420
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.7	83.1
83	87.4	62.6	116.2
85	58.3	40.5	75.1

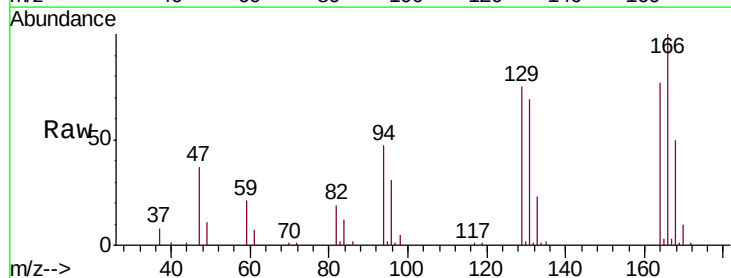


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

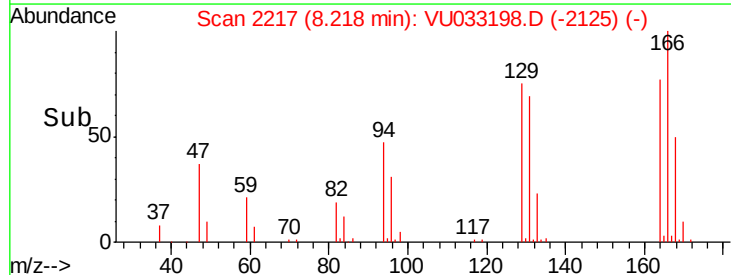
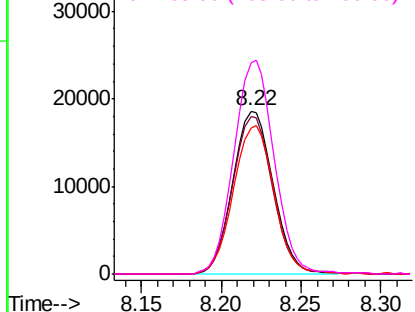


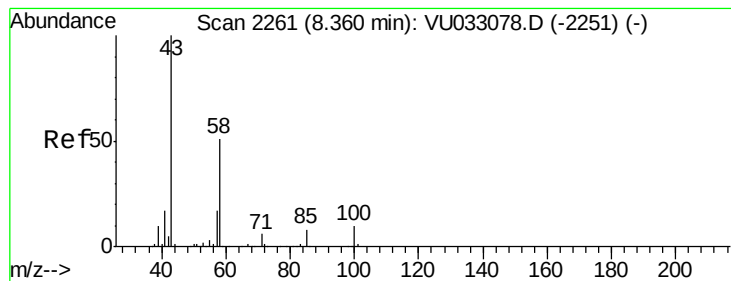
#47
 Tetrachloroethene
 Concen: 5.484 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion:	164	Resp:	31970
Ion	Ratio	Lower	Upper
164	100		
129	96.9	64.9	120.5
131	89.9	63.5	117.9
166	129.6	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 51.336 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 179697

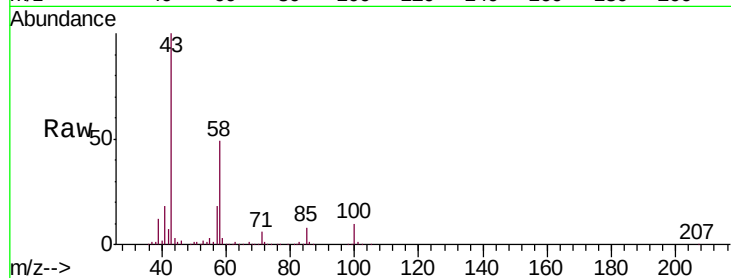
Ion Ratio Lower Upper

43 100

58 48.0 40.0 60.0

57 17.2 14.0 21.0

100 9.9 7.9 11.9

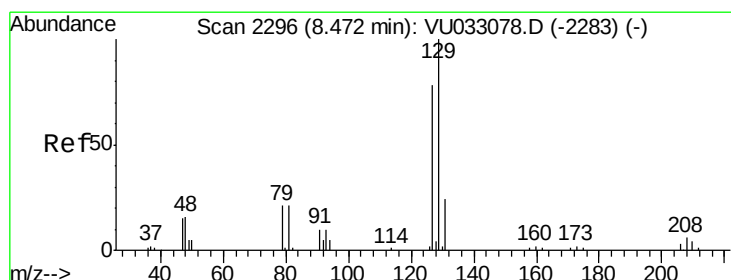
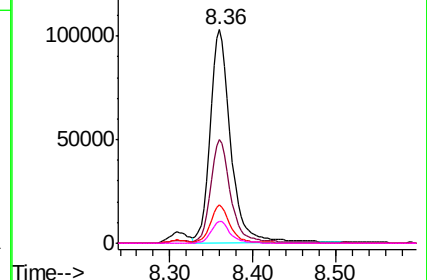
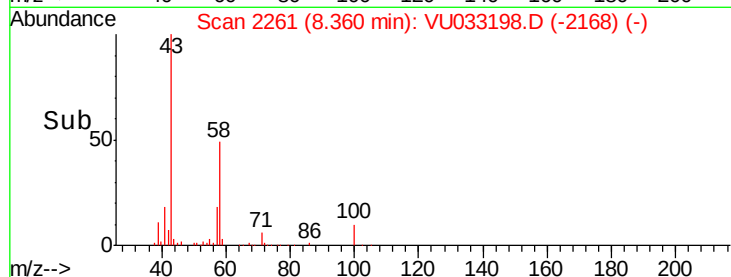


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 5.076 ug/L

RT: 8.47 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU033198.D

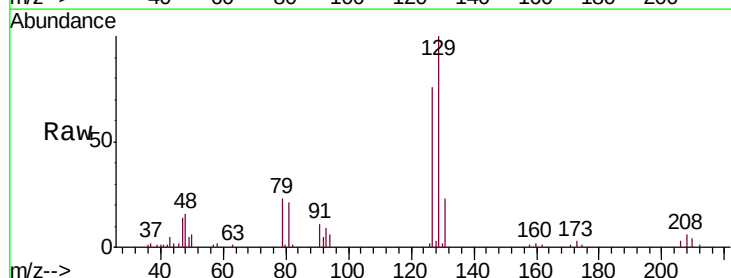
Acq: 29 Jun 2019 02:46

Tgt Ion: 129 Resp: 32049

Ion Ratio Lower Upper

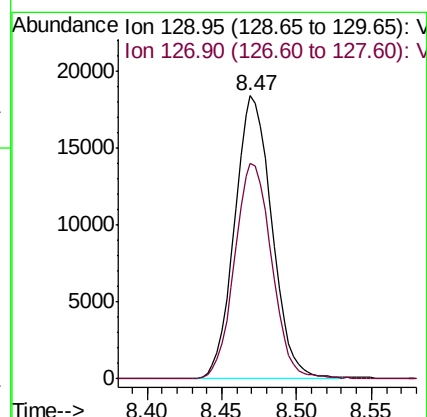
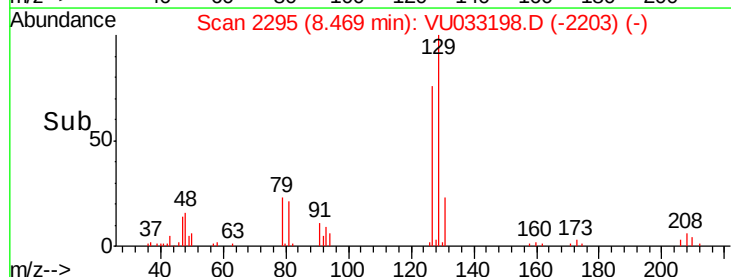
129 100

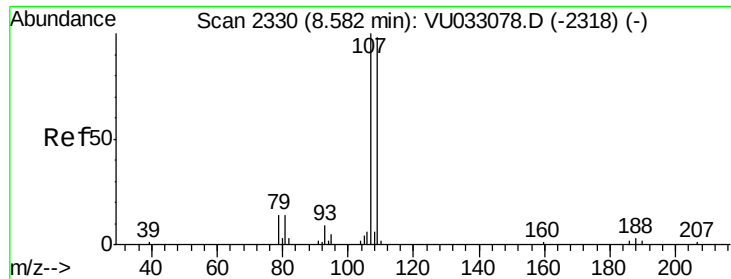
127 76.3 54.0 100.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.951 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :
MSVOA_U
ClientSampleId :

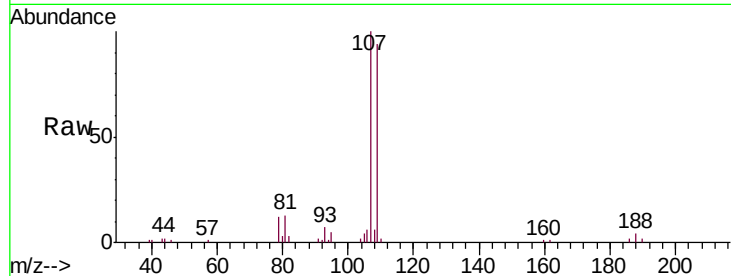
Tgt Ion:107 Resp: 24021

Ion Ratio Lower Upper

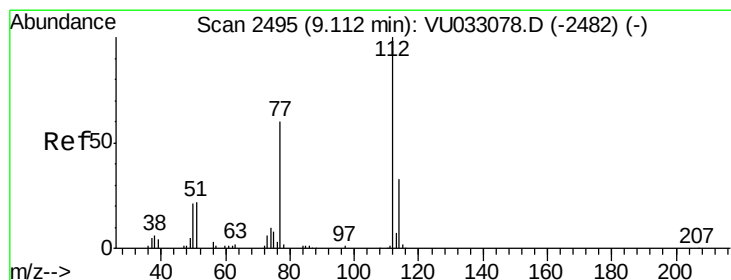
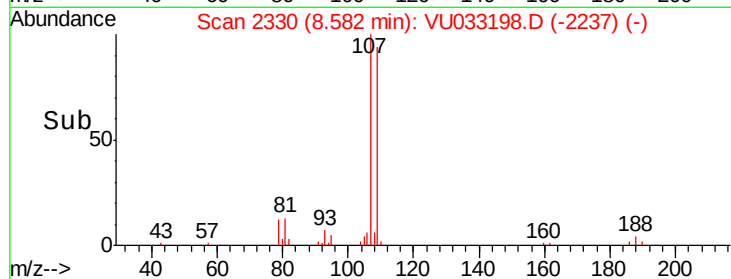
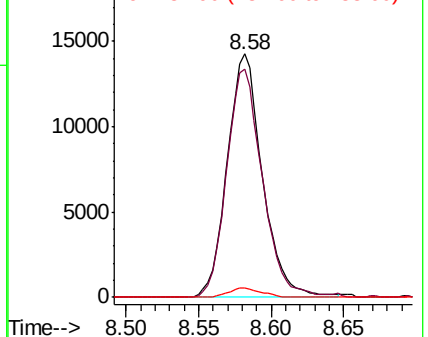
107 100

109 93.5 64.7 120.1

188 3.6 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.822 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

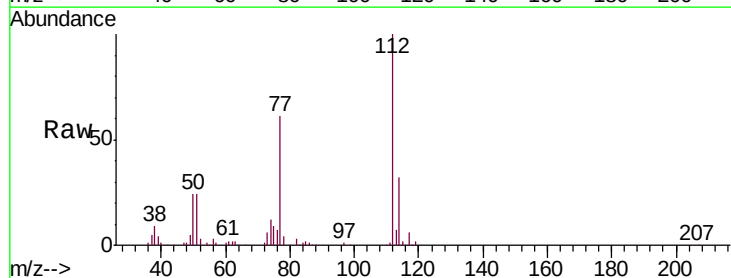
Tgt Ion:112 Resp: 90050

Ion Ratio Lower Upper

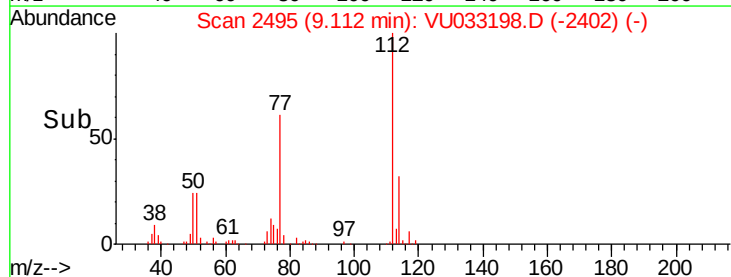
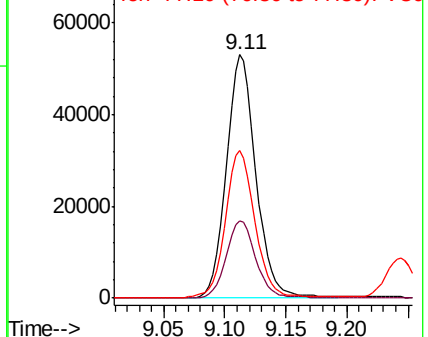
112 100

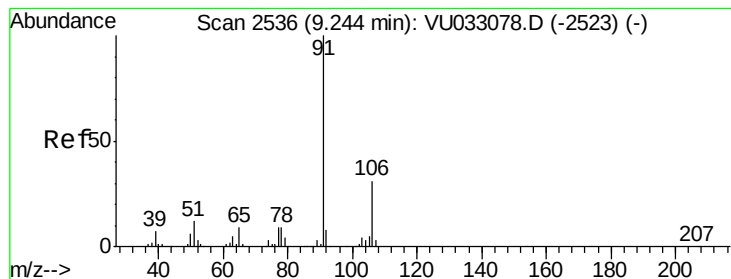
114 31.9 23.3 43.3

77 60.5 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.736 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

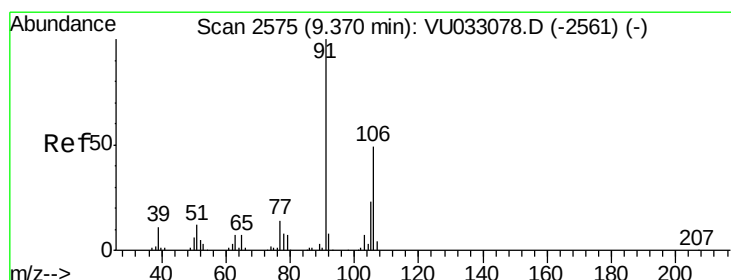
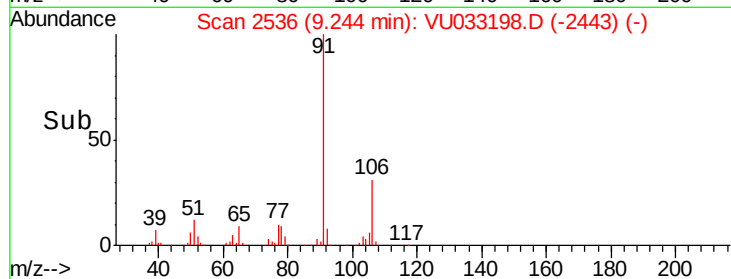
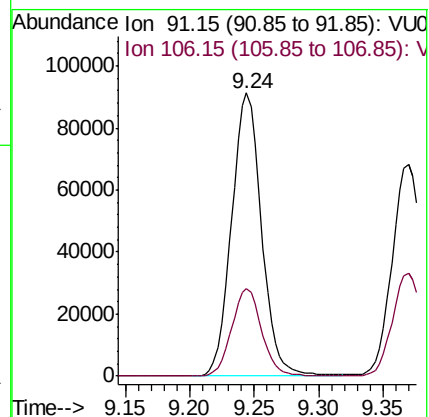
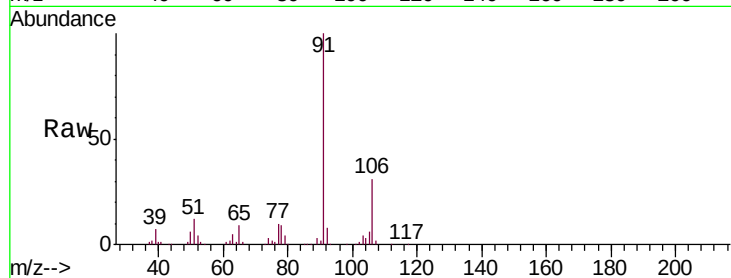
ClientSampleId :

Tgt Ion: 91 Resp: 147400

Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



#53

m,p-Xylene

Concen: 4.895 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033198.D

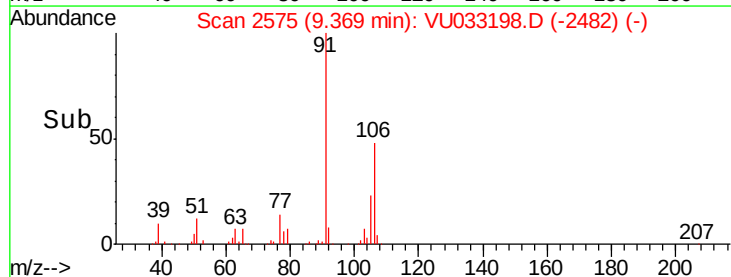
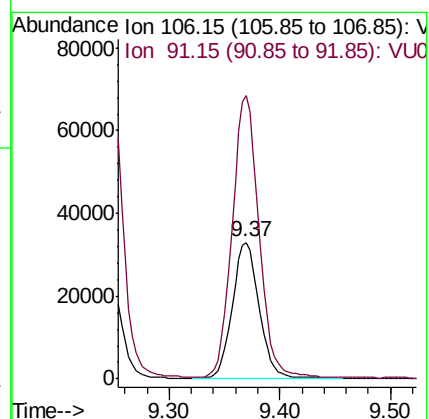
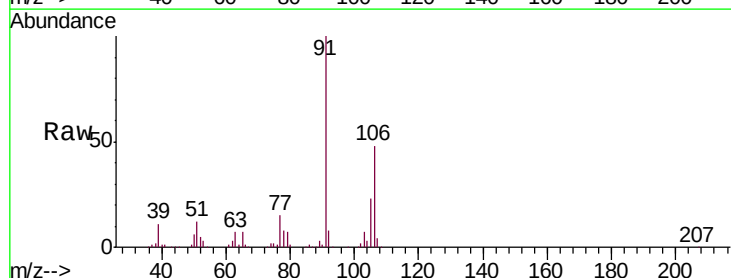
Acq: 29 Jun 2019 02:46

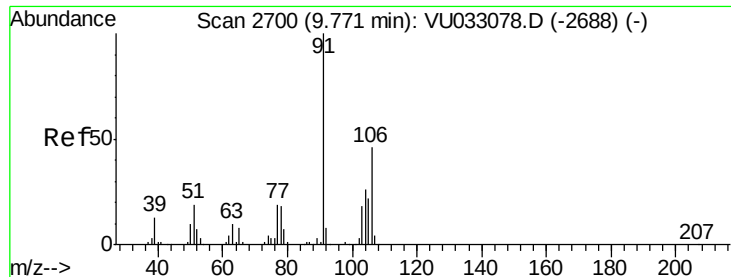
Tgt Ion: 106 Resp: 55298

Ion Ratio Lower Upper

106 100

91 207.1 146.4 272.0

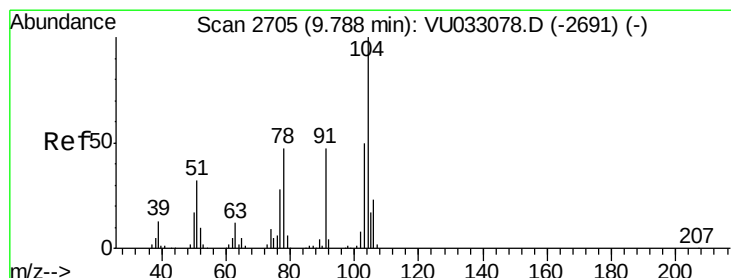
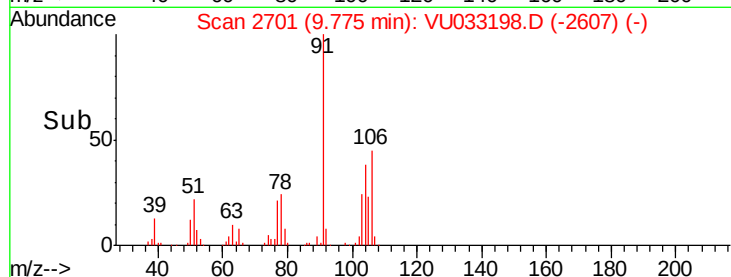
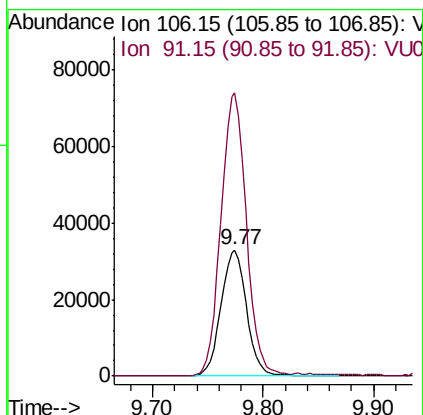
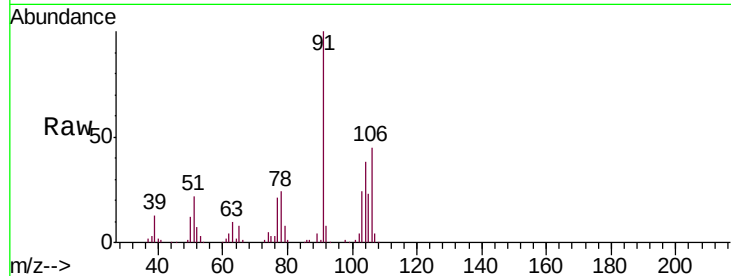




#54
o-Xylene
Concen: 4.833 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

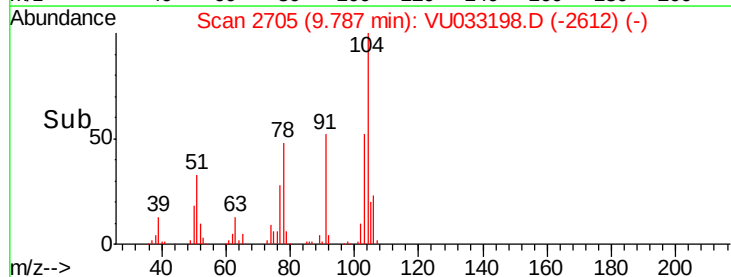
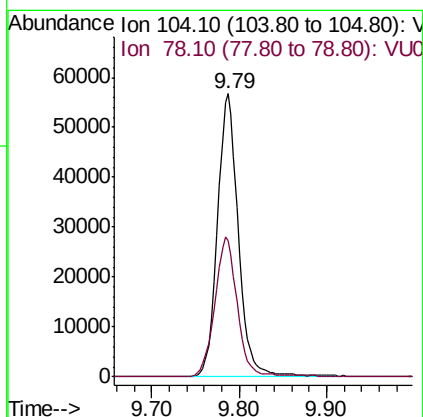
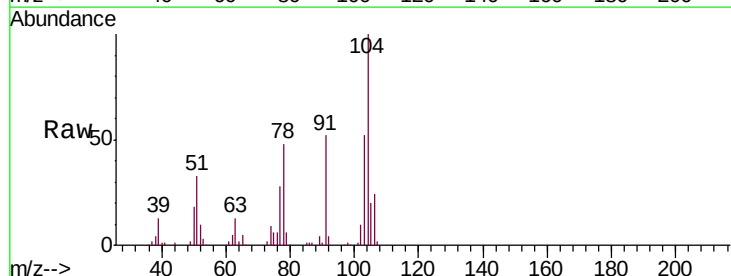
Instrument :
MSVOA_U
ClientSampleId :

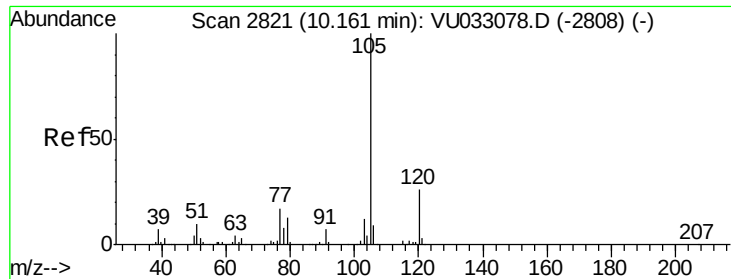
Tgt Ion:106 Resp: 53212
Ion Ratio Lower Upper
106 100
91 224.3 155.1 288.1



#55
Styrene
Concen: 5.064 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion:104 Resp: 94373
Ion Ratio Lower Upper
104 100
78 48.2 33.9 62.9

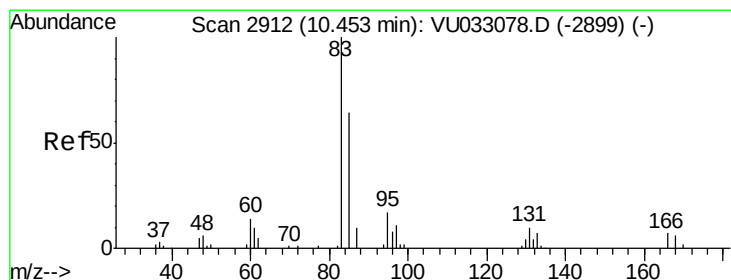
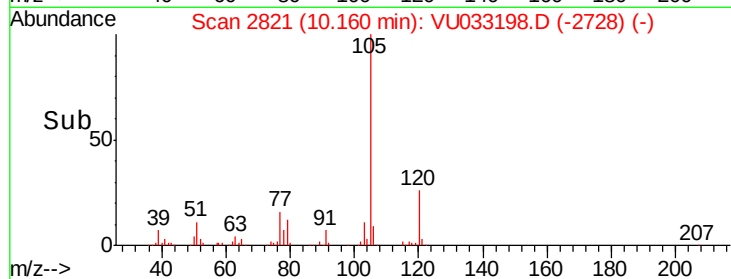
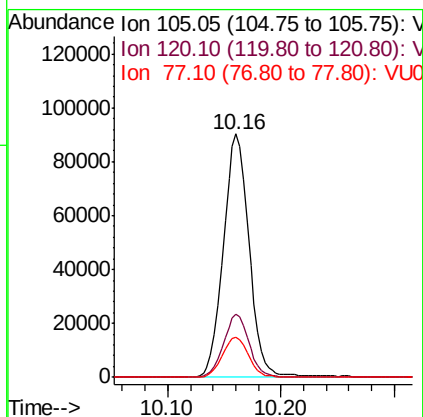
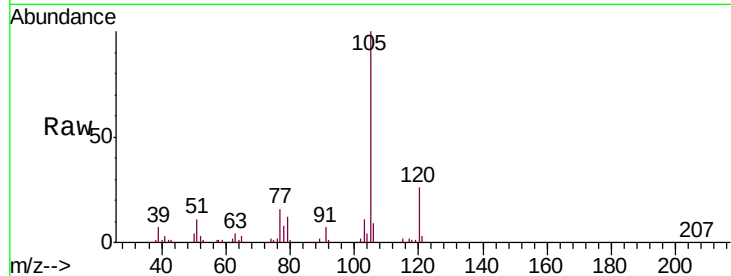




#56
Isopropylbenzene
Concen: 4.791 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

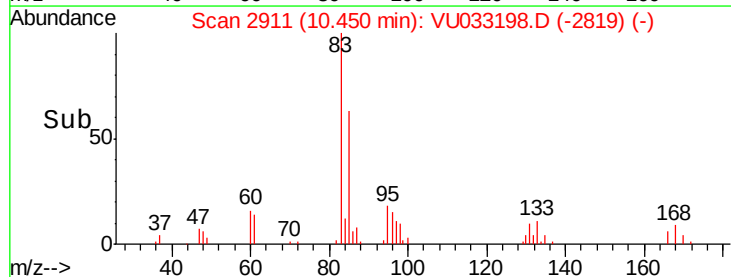
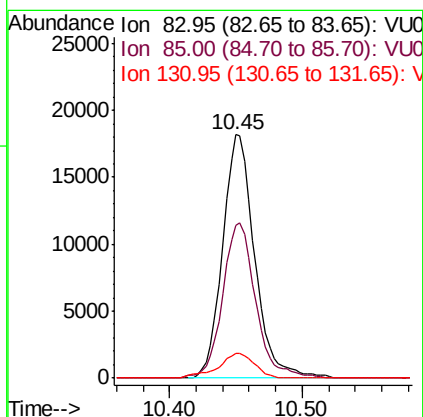
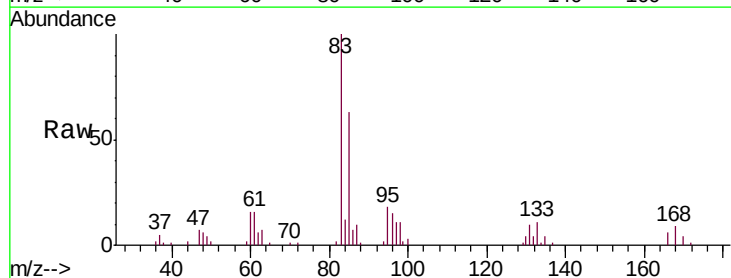
Instrument :
MSVOA_U
ClientSampleId :

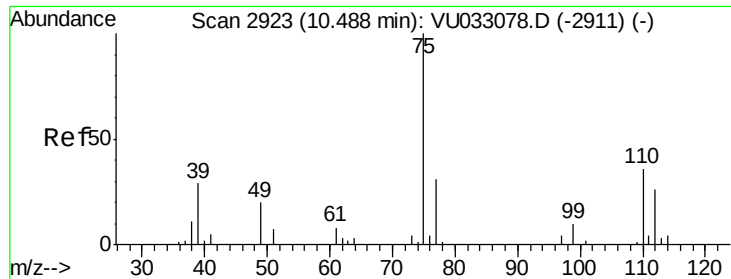
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.6
77	16.9	13.6	20.4



#58
1,1,2,2-Tetrachloroethane
Concen: 4.720 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 29 Jun 2019 02:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	45.7	84.9
131	10.3	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 4.789 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

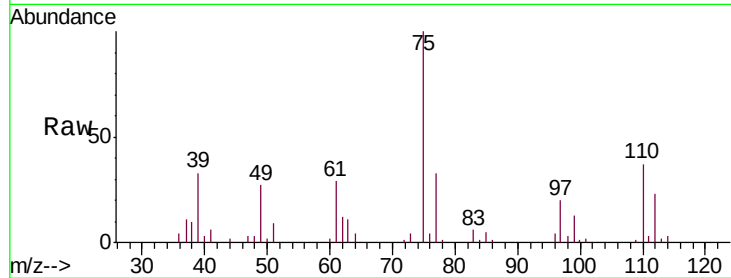
ClientSampleId :

Tgt Ion: 75 Resp: 22745

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU033078.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033078.D (-2911) (-)

10.49

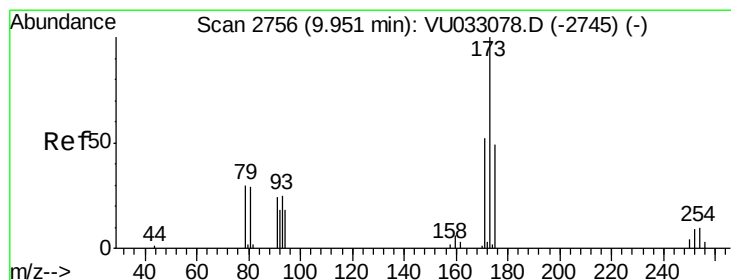
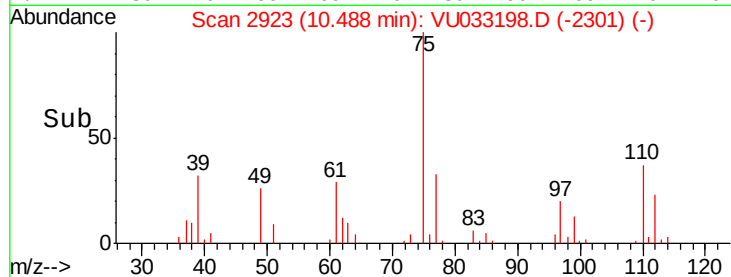
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.098 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

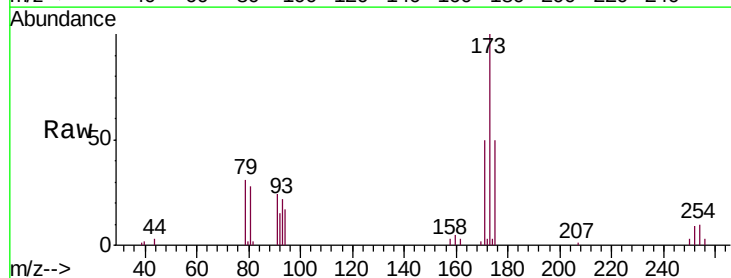
Tgt Ion: 173 Resp: 18086

Ion Ratio Lower Upper

173 100

175 49.3 37.7 56.5

254 9.2 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU033078.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU033078.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU033078.D (-2745) (-)

9.95

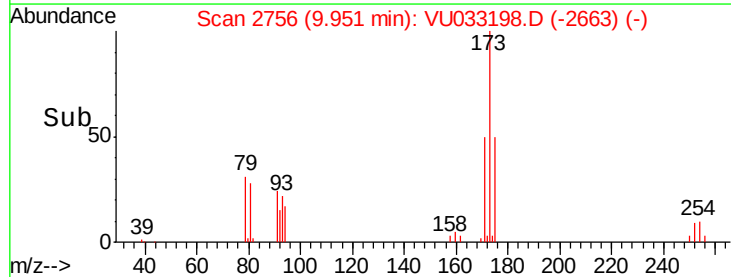
15000

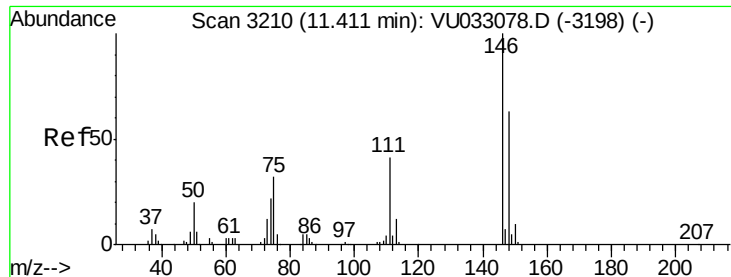
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.795 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampled :

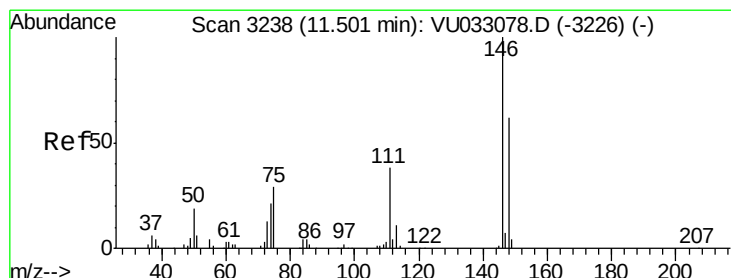
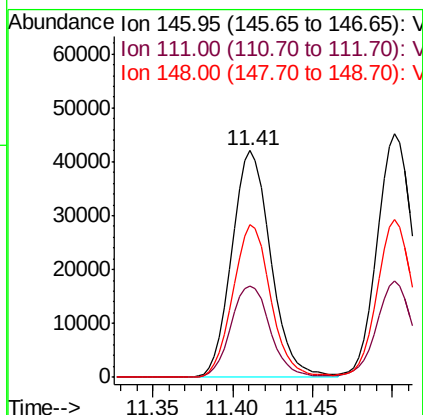
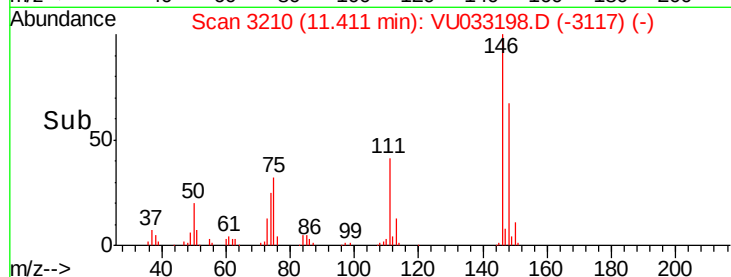
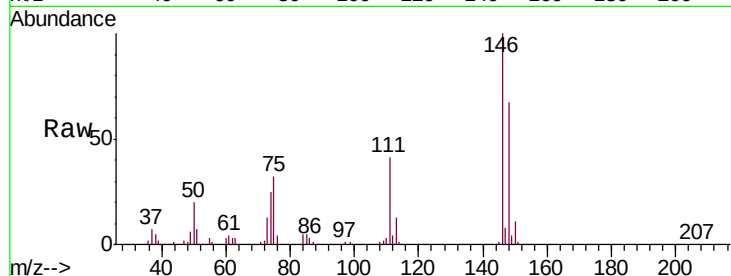
Tgt Ion:146 Resp: 69879

Ion Ratio Lower Upper

146 100

111 40.5 27.7 51.5

148 67.3 44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 4.819 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

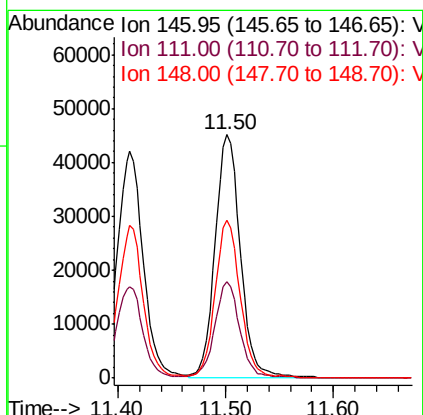
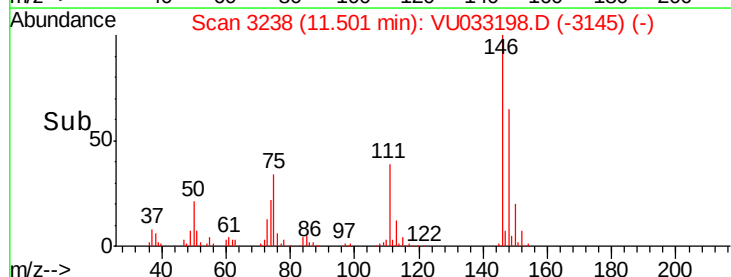
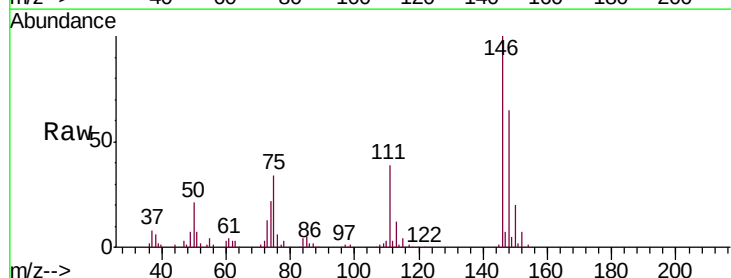
Tgt Ion:146 Resp: 73276

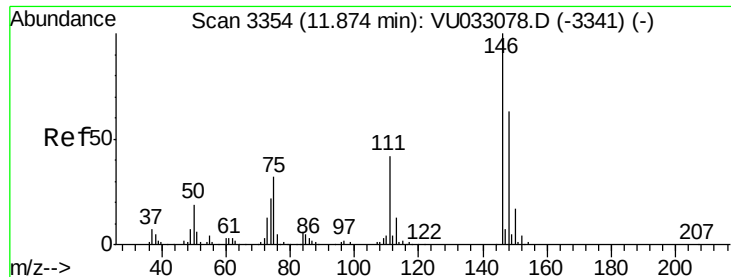
Ion Ratio Lower Upper

146 100

111 39.4 26.7 49.7

148 65.1 43.6 81.0

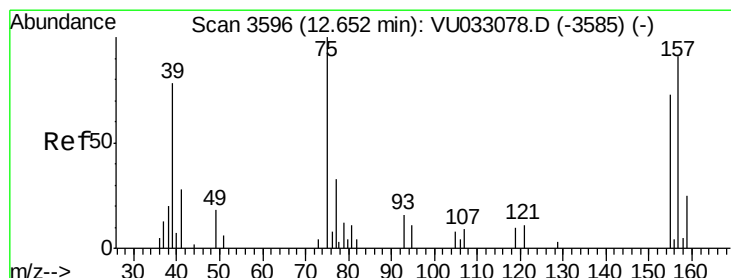
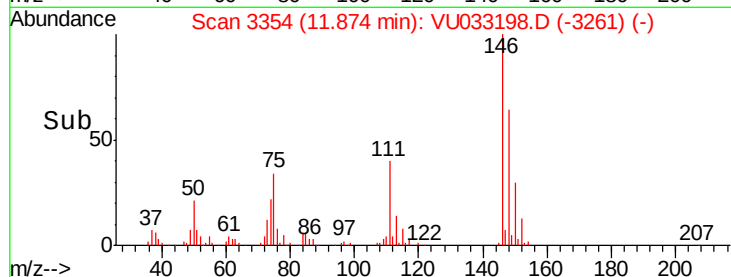
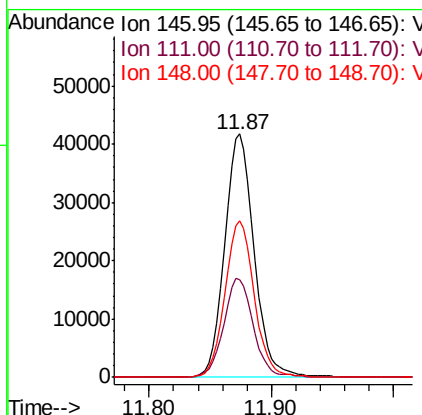
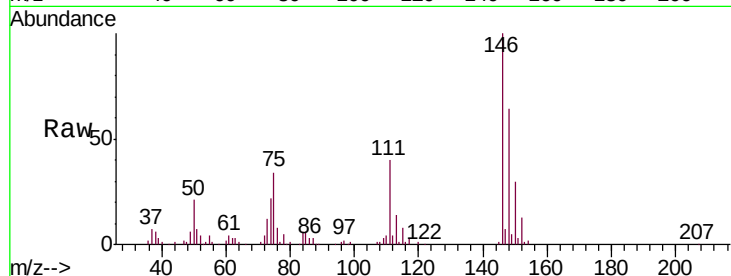




#65
 1,2-Dichlorobenzene
 Concen: 5.007 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

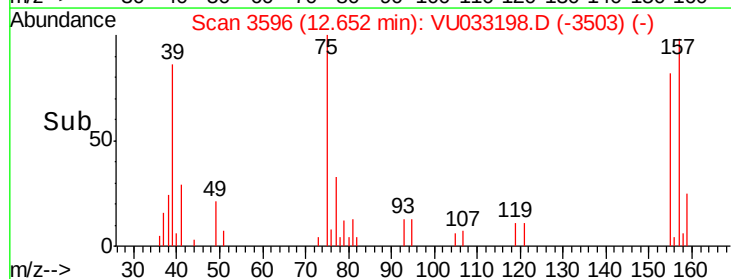
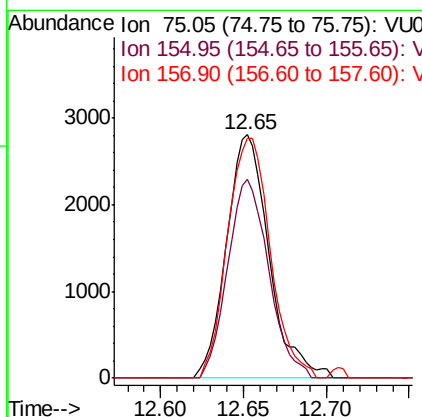
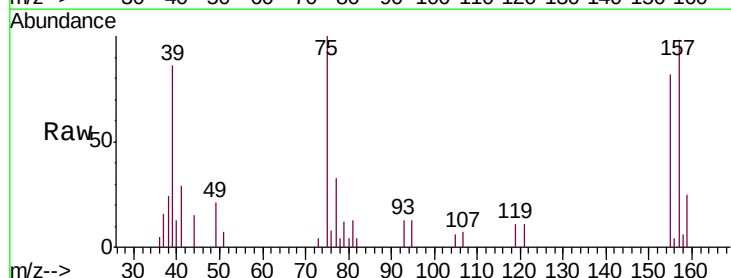
Instrument :
 MSVOA_U
 ClientSampleId :

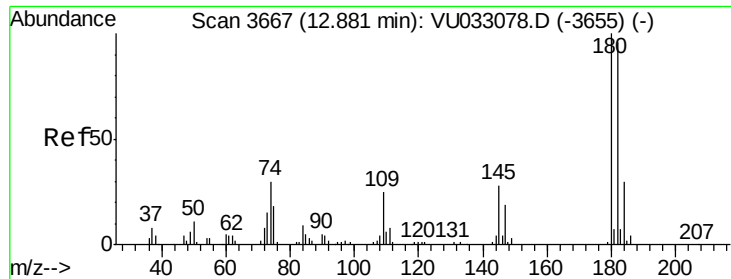
Tgt Ion:146 Resp: 70773
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.2 49.8
 148 64.1 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.151 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 29 Jun 2019 02:46

Tgt Ion: 75 Resp: 5007
 Ion Ratio Lower Upper
 75 100
 155 81.6 62.9 94.3
 157 98.4 82.0 123.0





#67

1,3,5-Trichlorobenzene

Concen: 4.747 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 55139

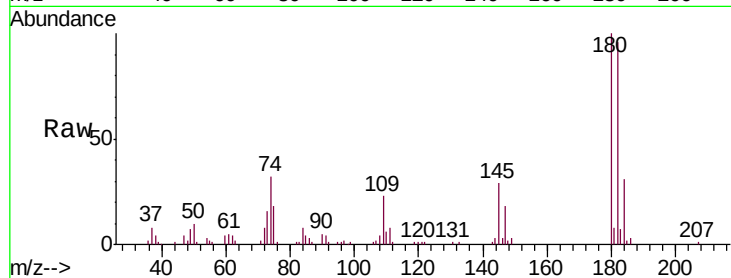
Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

184 30.5 24.6 36.8

145 29.3 23.8 35.6



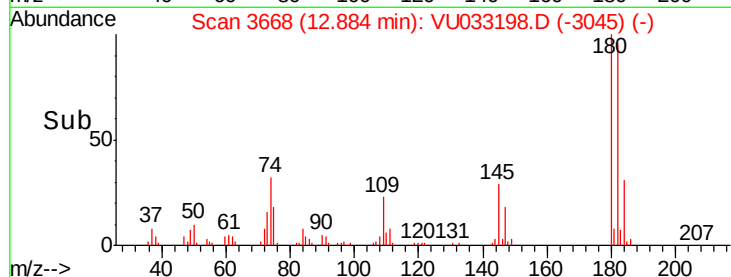
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



Abundance

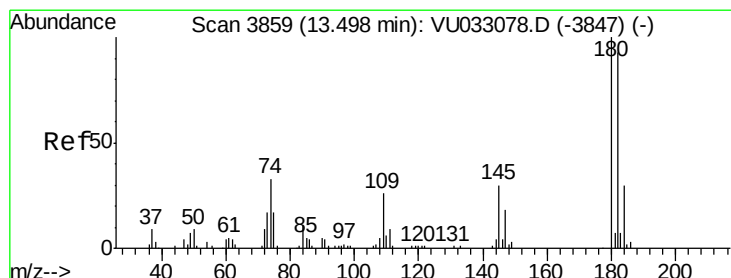
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



#68

1,2,4-trichlorobenzene

Concen: 5.062 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

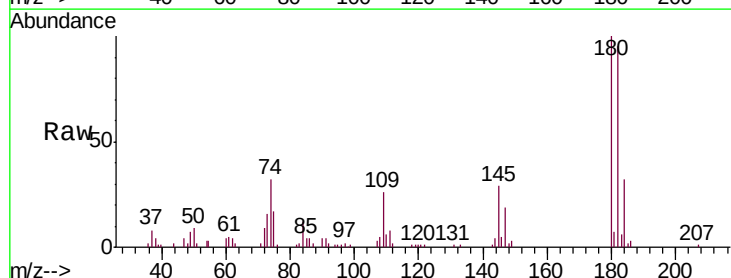
Tgt Ion:180 Resp: 42023

Ion Ratio Lower Upper

180 100

182 93.3 79.1 118.7

145 27.9 24.3 36.5

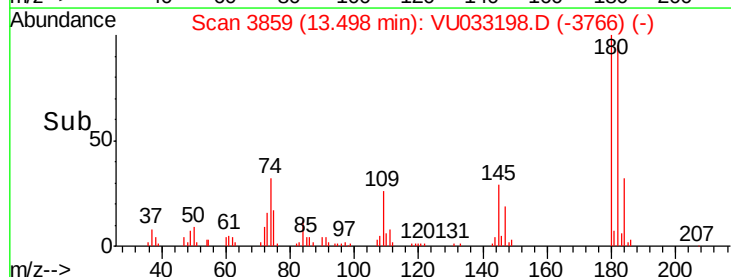


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

Time-->



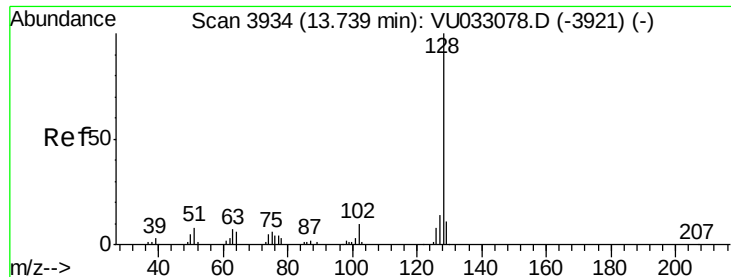
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

Time-->



#69

Naphthalene

Concen: 4.494 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

Instrument :

MSVOA_U

ClientSampleId :

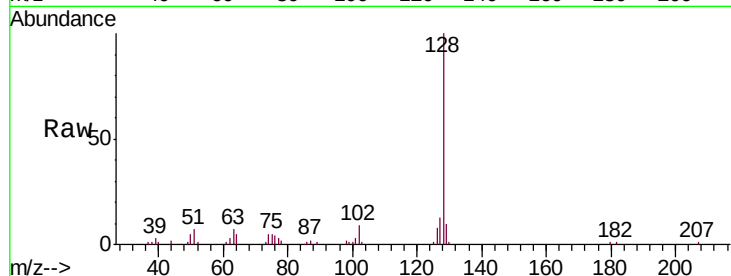
Tgt Ion:128 Resp: 54742

Ion Ratio Lower Upper

128 100

129 9.7 8.6 12.8

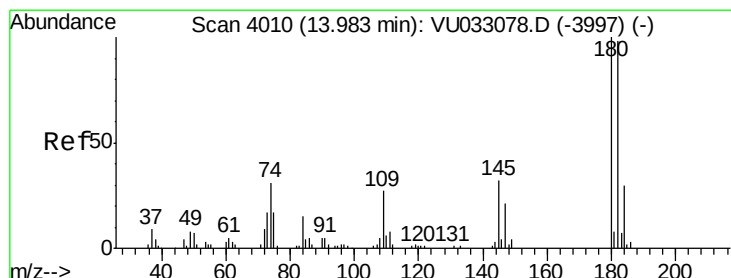
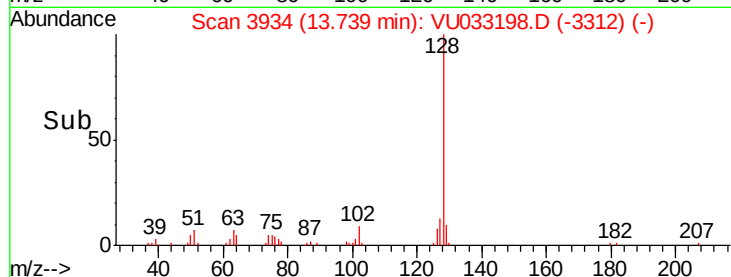
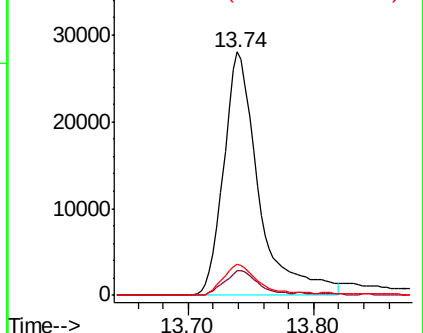
127 13.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.152 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 29 Jun 2019 02:46

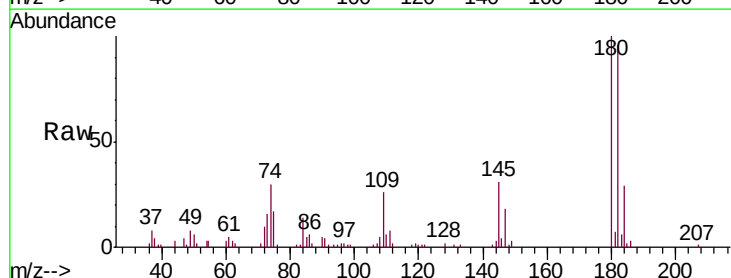
Tgt Ion:180 Resp: 41931

Ion Ratio Lower Upper

180 100

182 95.7 74.8 112.2

145 31.5 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

