

Data File : VU033277.D
Acq On : 17 Jul 2019 08:54
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Jul 18 07:58:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	122428	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	127130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	61719	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.67	69	56050	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	2.26	63	118463	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.18	46	120152	51.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	4.62	84	95055	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.29	65	50052	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.31	84	175814	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.31	67	57690	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.55	98	166653	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.83	79	23052	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.30	63	96053	51.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.60%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	48751	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	60693	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	59526	5.727 ug/L	99
3) Chloromethane	1.32	50	69796	5.689 ug/L	98
5) Vinyl chloride	1.40	62	76518	5.806 ug/L	99
6) Bromomethane	1.62	94	50277	6.017 ug/L	98
8) Chloroethane	1.69	64	54312	6.439 ug/L	97
9) Trichlorofluoromethane	1.87	101	109050	5.773 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	61770	5.921 ug/L	99
12) 1,1-Dichloroethene	2.27	96	57470	5.714 ug/L	90
13) Acetone	2.33	43	116334	57.188 ug/L	99
14) Carbon disulfide	2.46	76	181938	5.587 ug/L	99
15) Methyl Acetate	2.60	43	27989	5.509 ug/L	95
16) Methylene chloride	2.68	84	67218	5.481 ug/L	97
17) Methyl tert-butyl Ether	2.98	73	152709	5.797 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	63743	5.737 ug/L	93
19) 1,1-Dichloroethane	3.42	63	95944	5.747 ug/L	98
21) 2-Butanone	4.26	43	136854	58.536 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	52854	5.629 ug/L	100

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	24276	5.870	ug/L	95
25) Chloroform	4.65	83	102666	5.552	ug/L	99
27) 1,2-Dichloroethane	5.38	62	64636	5.876	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	83183	5.665	ug/L	99
30) Cyclohexane	4.97	56	69699	5.286	ug/L	99
31) Carbon tetrachloride	5.11	117	73971	5.754	ug/L	100
33) Benzene	5.36	78	208030	5.778	ug/L	100
34) Trichloroethene	6.16	95	53212	5.586	ug/L	99
35) Methylcyclohexane	6.39	83	76585	5.335	ug/L	96
37) 1,2-Dichloropropane	6.41	63	55716	5.723	ug/L	98
38) Bromodichloromethane	6.74	83	71675	5.771	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	76646	5.518	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	319680	57.302	ug/L	100
42) Toluene	7.62	91	226983	5.873	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	64412	5.735	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	38780	5.570	ug/L	91
47) Tetrachloroethene	8.21	164	42773	5.603	ug/L	96
48) 2-Hexanone	8.35	43	236140	57.871	ug/L	98
49) Dibromochloromethane	8.46	129	48312	5.762	ug/L	92
50) 1,2-Dibromoethane	8.57	107	38163	5.710	ug/L #	100
51) Chlorobenzene	9.10	112	142107	5.602	ug/L	99
52) Ethylbenzene	9.23	91	230832	5.594	ug/L	98
53) m,p-Xylene	9.36	106	90292	5.793	ug/L	95
54) o-Xylene	9.76	106	86338	5.810	ug/L	99
55) Styrene	9.78	104	151332	5.843	ug/L	99
56) Isopropylbenzene	10.15	105	221952	5.618	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	49817	5.590	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	36270	5.713	ug/L	99
61) Bromoform	9.94	173	26234	6.181	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	104328	5.657	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	109539	5.640	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	106000	5.789	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8106	5.850	ug/L	89
67) 1,3,5-Trichlorobenzene	12.87	180	81624	5.631	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	64813	5.536	ug/L	99
69) Naphthalene	13.73	128	103246	5.206	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	62079	5.628	ug/L	99

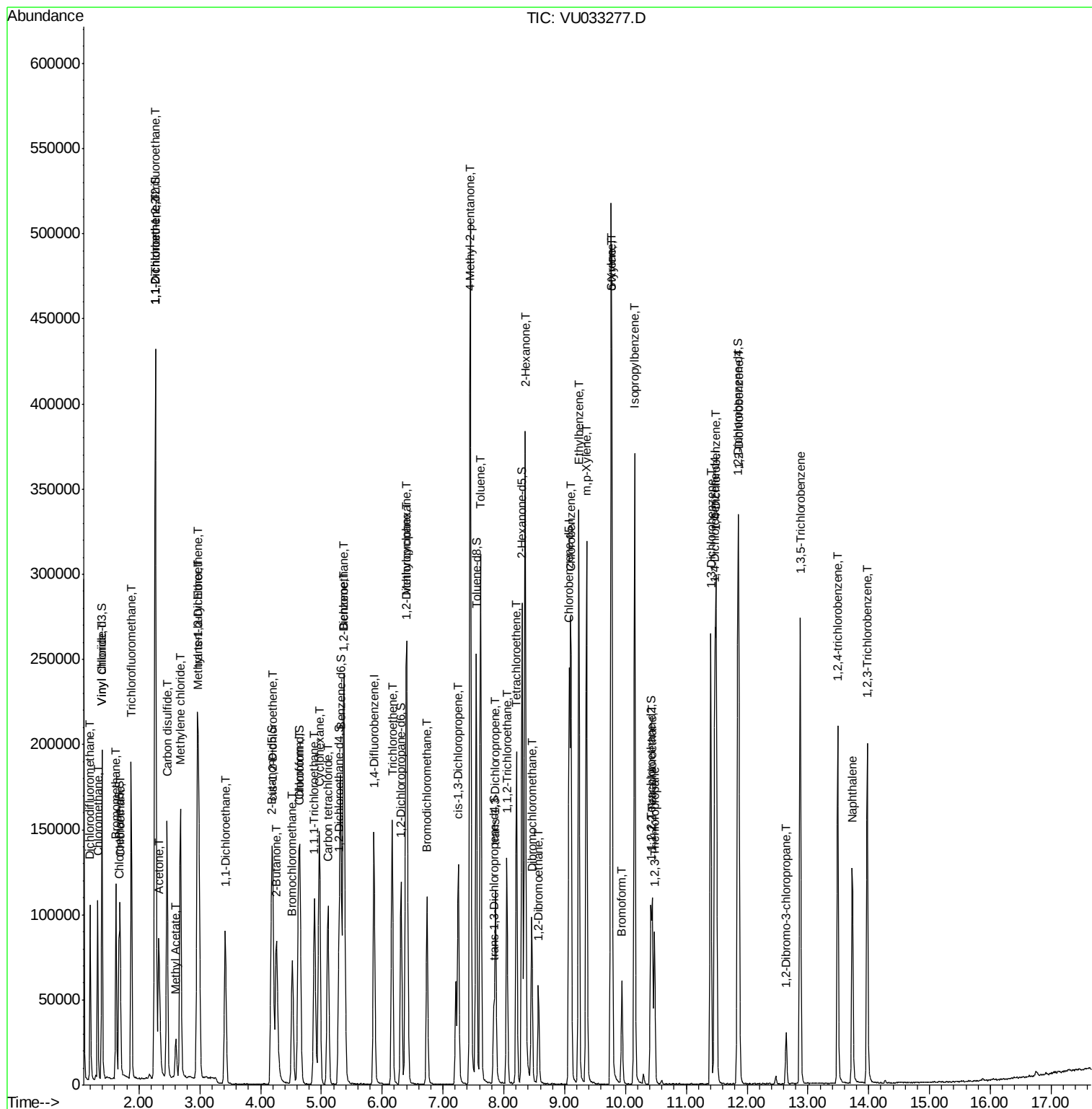
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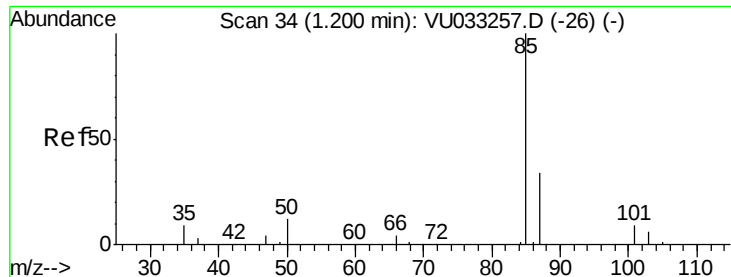
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#2

Dichlorodifluoromethane

Concen: 5.727 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

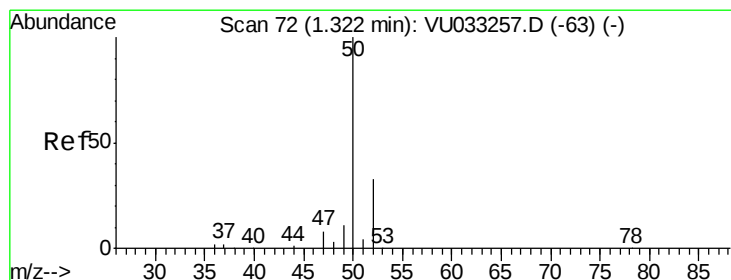
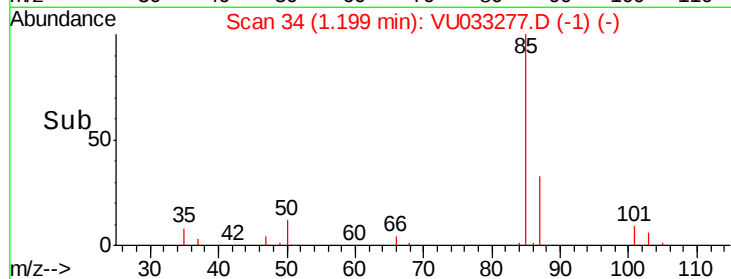
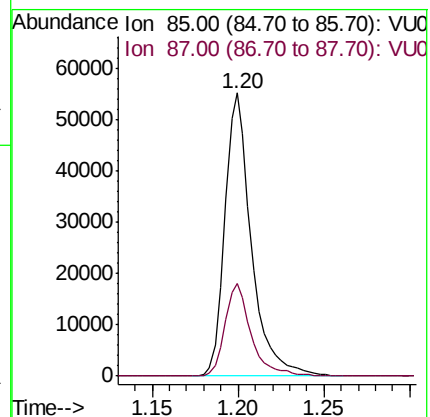
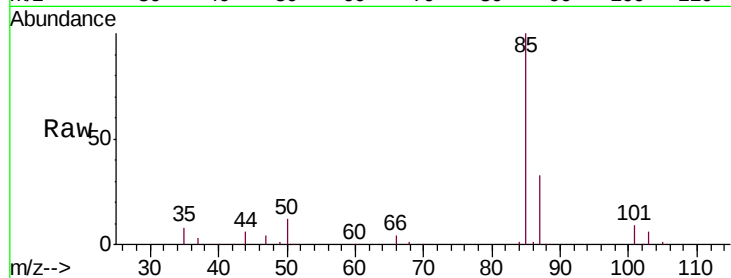
VSTD00515

Tgt Ion: 85 Resp: 59526

Ion Ratio Lower Upper

85 100

87 32.4 26.3 39.5



#3

Chloromethane

Concen: 5.689 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033277.D

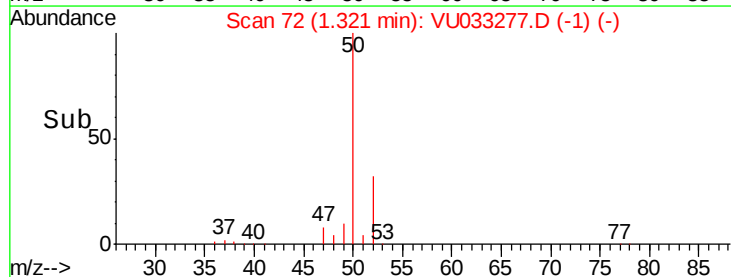
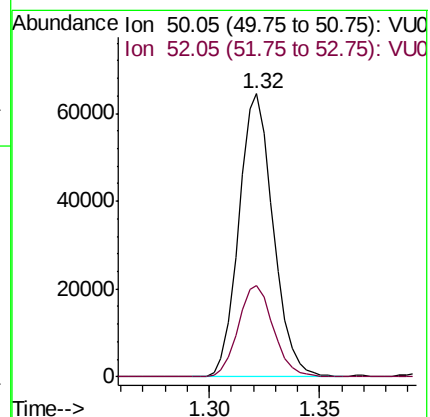
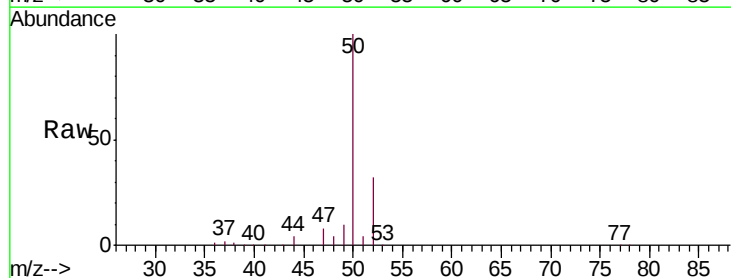
Acq: 17 Jul 2019 08:54

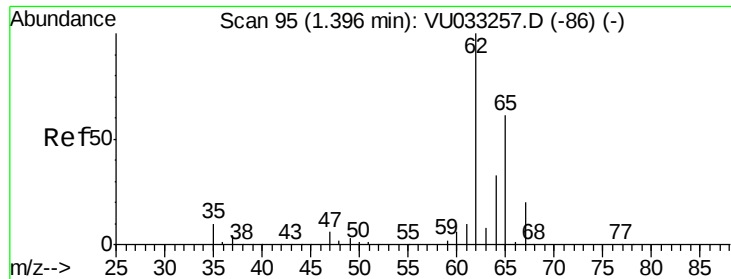
Tgt Ion: 50 Resp: 69796

Ion Ratio Lower Upper

50 100

52 32.4 23.3 43.3





#5

Vinyl chloride

Concen: 5.806 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

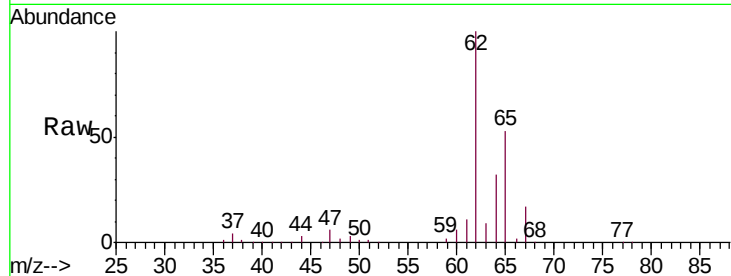
VSTD00515

Tgt Ion: 62 Resp: 76518

Ion Ratio Lower Upper

62 100

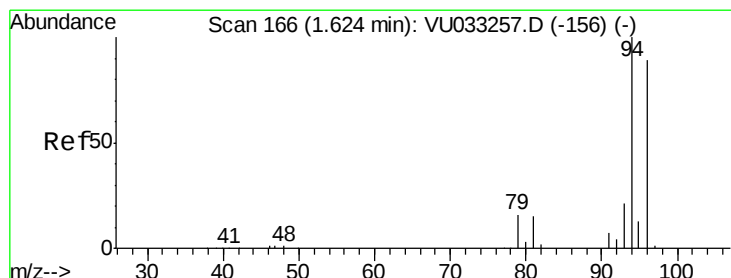
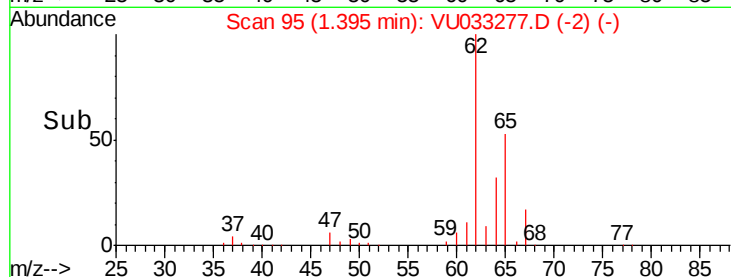
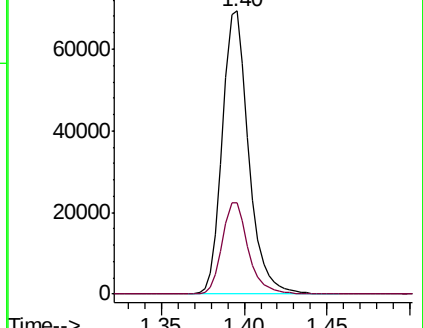
64 32.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033277.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033277.D (-86) (-)

Time-->



#6

Bromomethane

Concen: 6.017 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033277.D

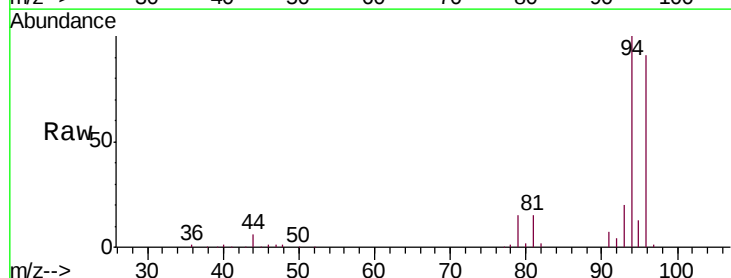
Acq: 17 Jul 2019 08:54

Tgt Ion: 94 Resp: 50277

Ion Ratio Lower Upper

94 100

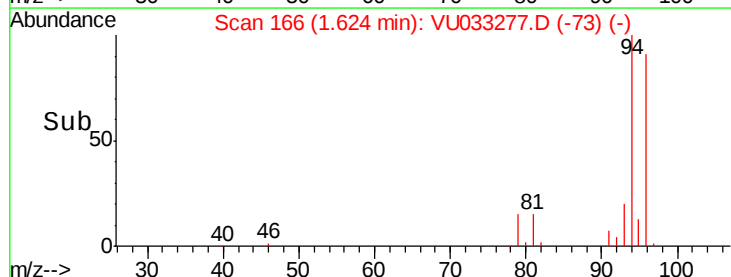
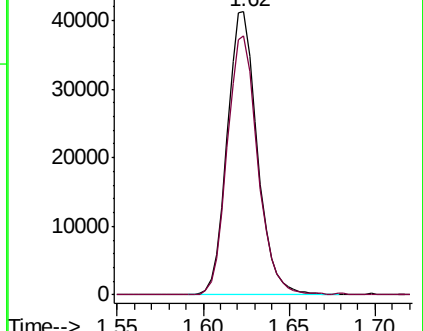
96 91.5 62.4 116.0

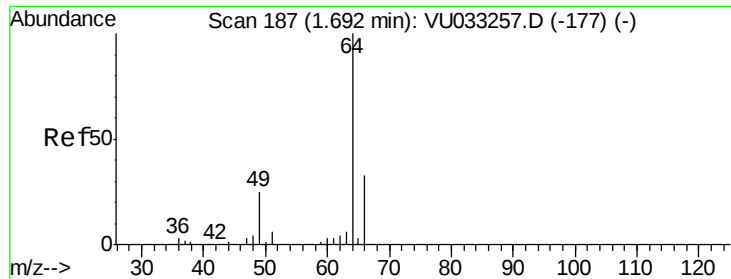


Abundance Ion 94.00 (93.70 to 94.70): VU033277.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033277.D (-156) (-)

Time-->

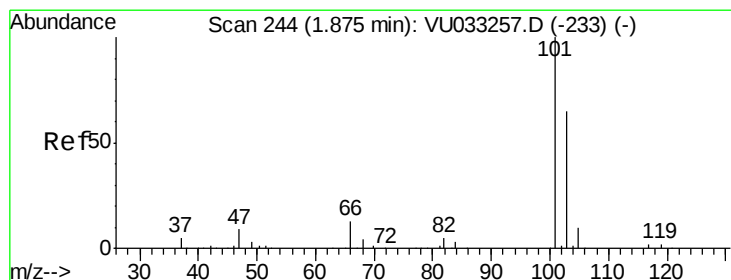
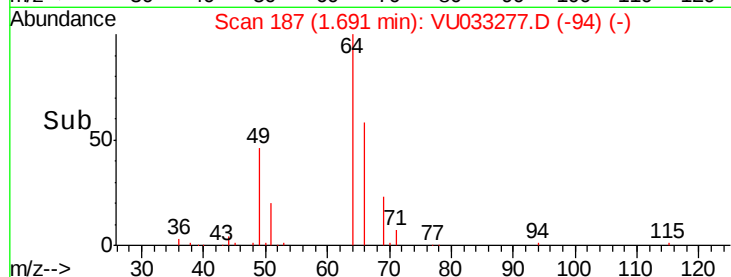
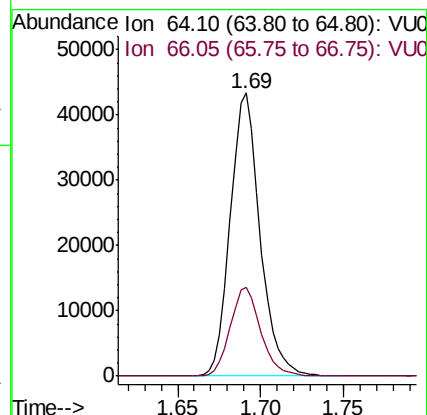
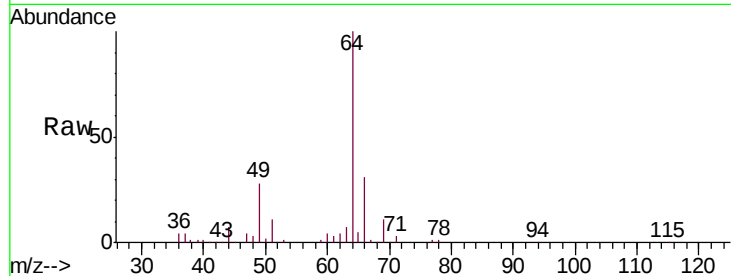




#8
Chloroethane
Concen: 6.439 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

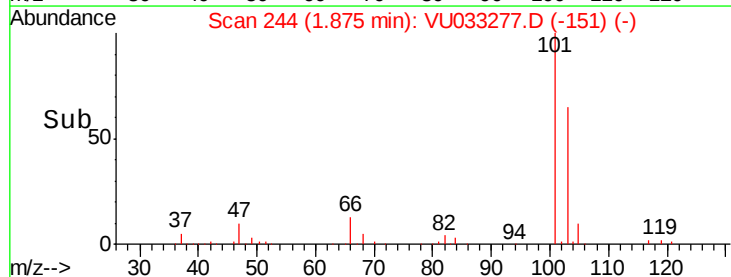
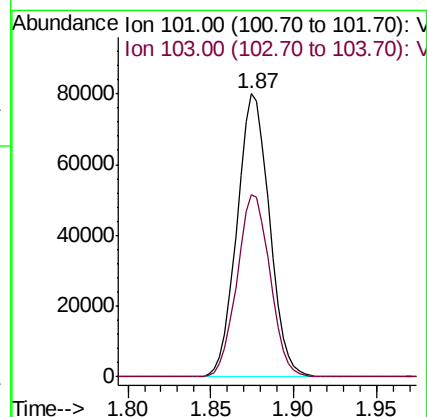
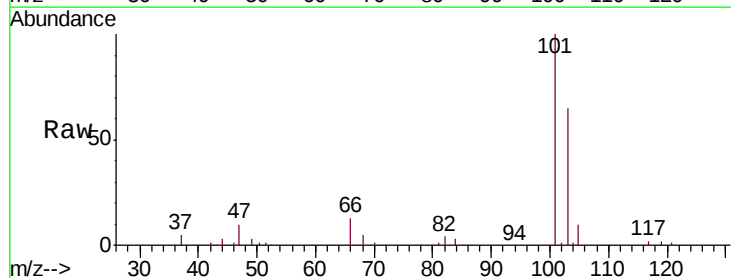
Instrument :
MSVOA_U
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VSTD00515

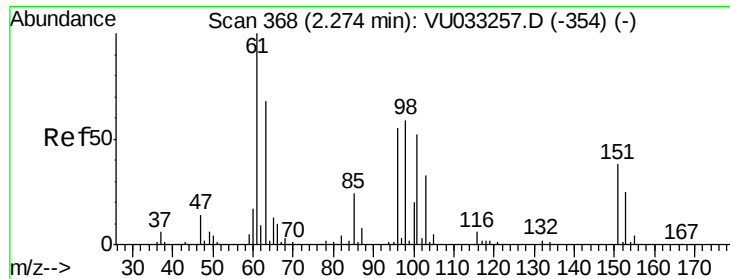
Tgt Ion: 64 Resp: 54312
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.773 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 101 Resp: 109050
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 5.921 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

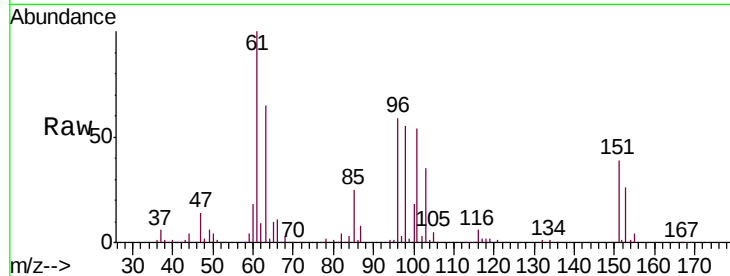
Tgt Ion:101 Resp: 61770

Ion Ratio Lower Upper

101 100

85 45.6 37.4 56.0

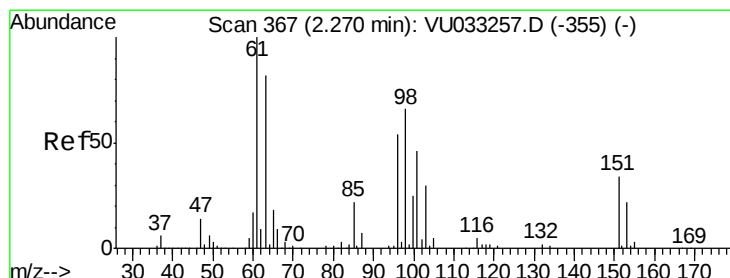
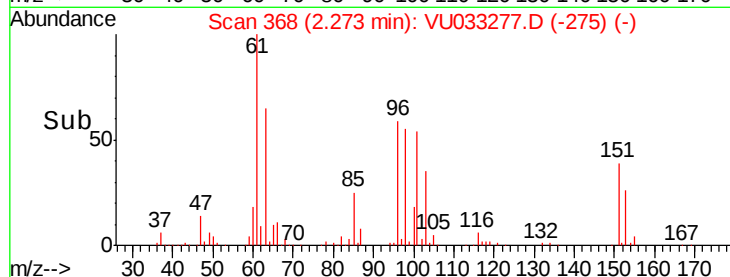
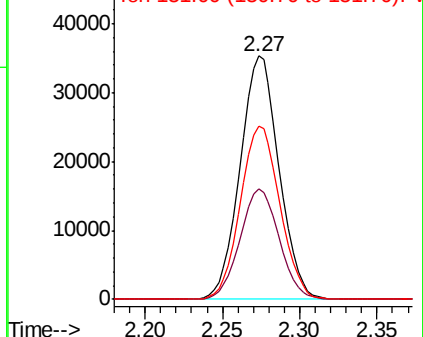
151 72.5 58.6 87.8



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: 5.714 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

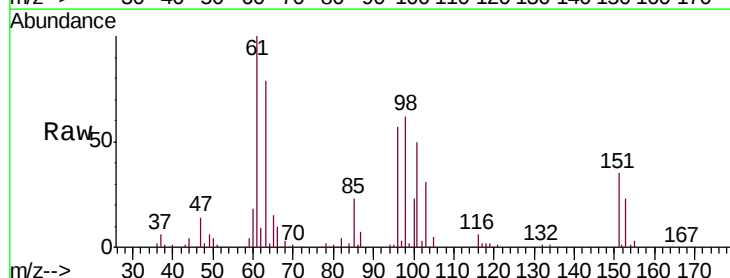
Tgt Ion: 96 Resp: 57470

Ion Ratio Lower Upper

96 100

61 175.2 129.3 240.1

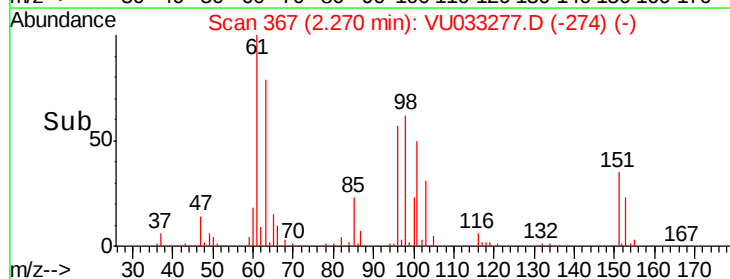
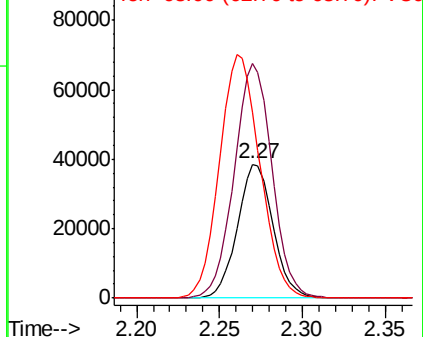
63 138.8 108.9 202.3

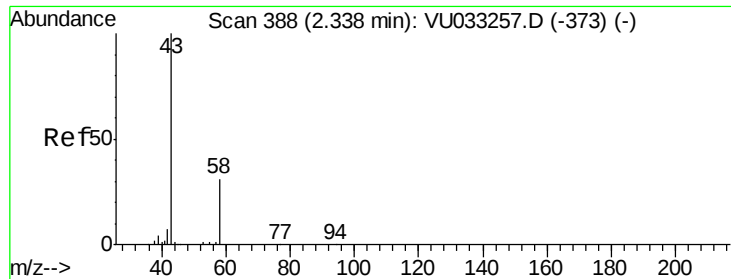


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.188 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

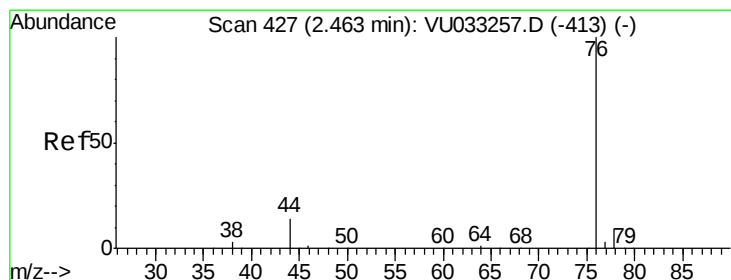
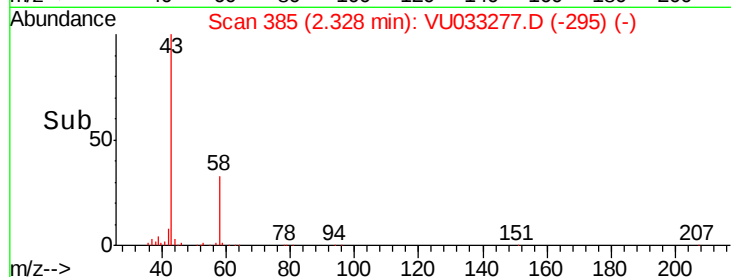
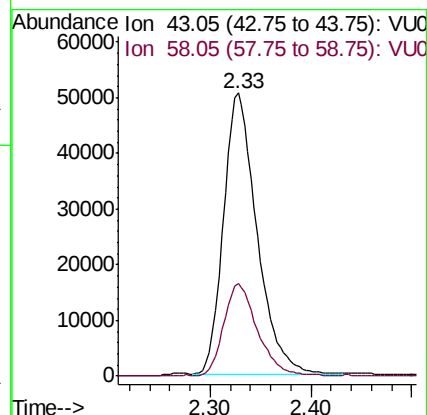
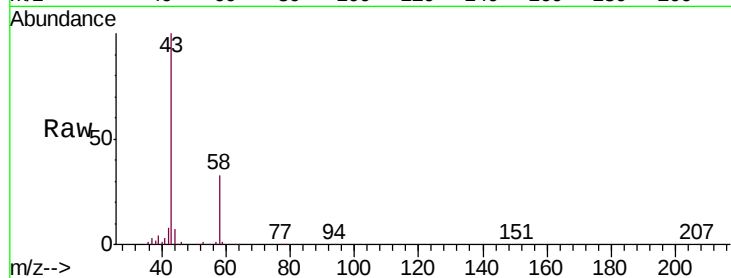
VSTD00515

Tgt Ion: 43 Resp: 116334

Ion Ratio Lower Upper

43 100

58 33.7 0.0 66.6



#14

Carbon disulfide

Concen: 5.587 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033277.D

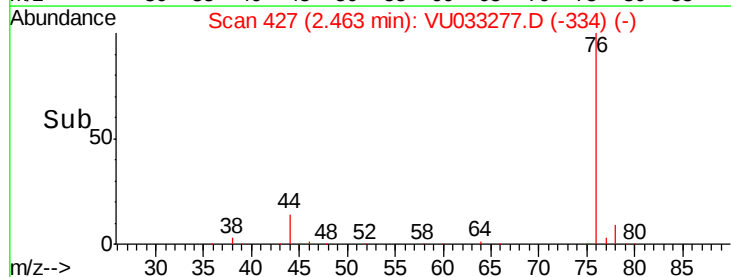
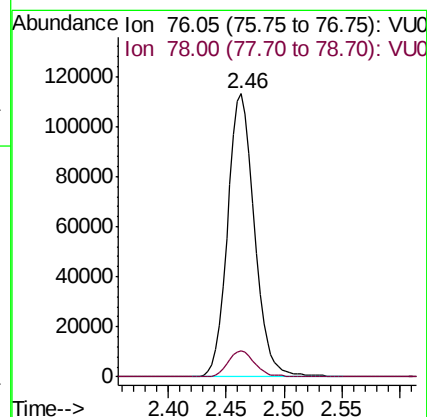
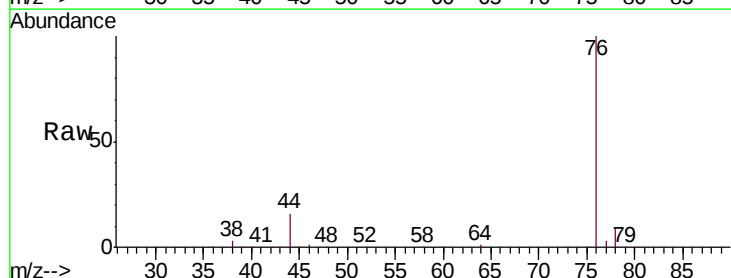
Acq: 17 Jul 2019 08:54

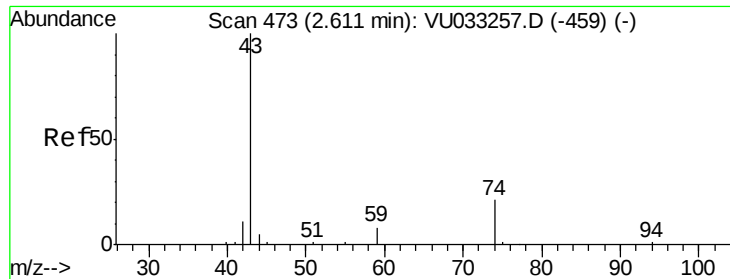
Tgt Ion: 76 Resp: 181938

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 5.509 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

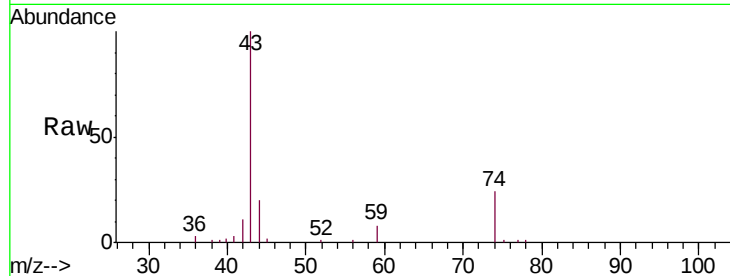
VSTD00515

Tgt Ion: 43 Resp: 27989

Ion Ratio Lower Upper

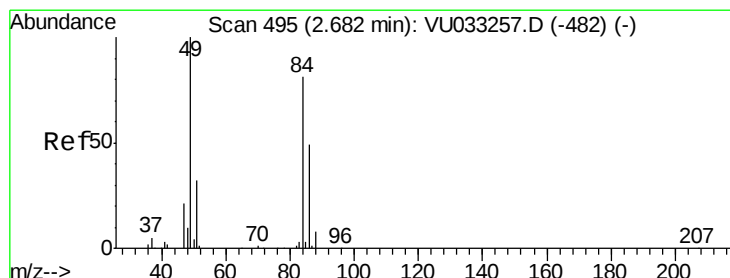
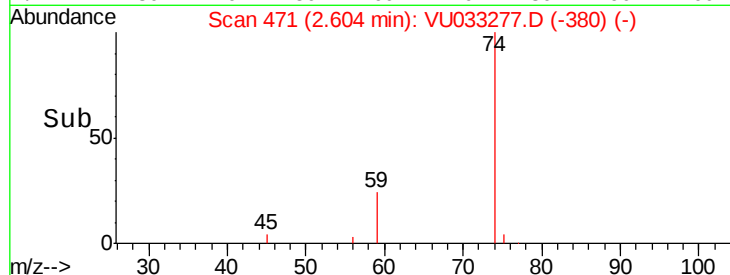
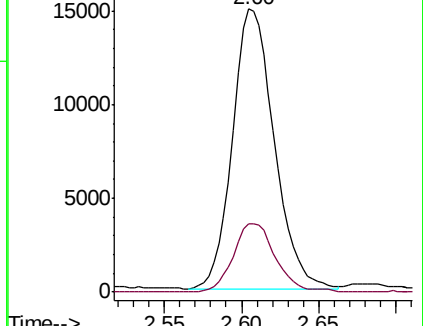
43 100

74 24.5 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU033277.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU033277.D (-380) (-)



#16

Methylene chloride

Concen: 5.481 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

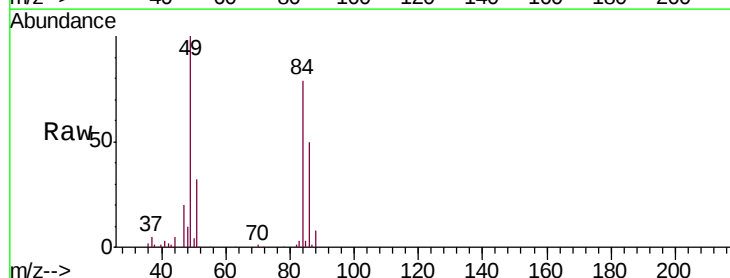
Tgt Ion: 84 Resp: 67218

Ion Ratio Lower Upper

84 100

86 63.1 42.5 78.9

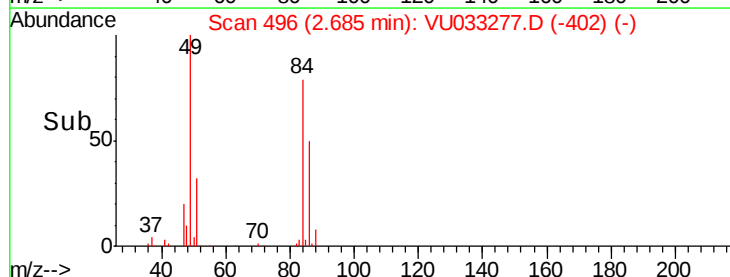
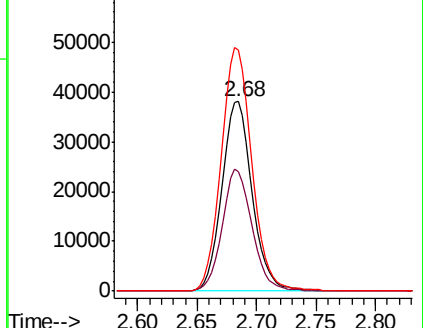
49 127.4 86.9 161.3

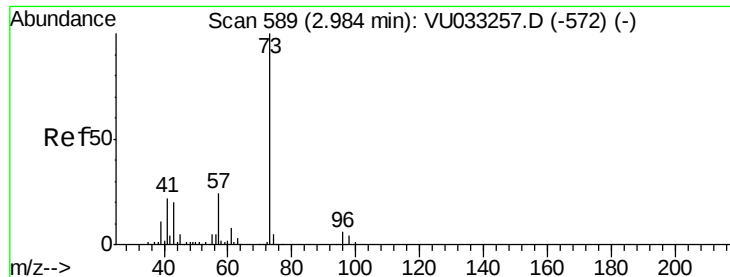


Abundance Ion 84.05 (83.75 to 84.75): VU033277.D (-402) (-)

Ion 86.00 (85.70 to 86.70): VU033277.D (-402) (-)

Ion 49.10 (48.80 to 49.80): VU033277.D (-402) (-)

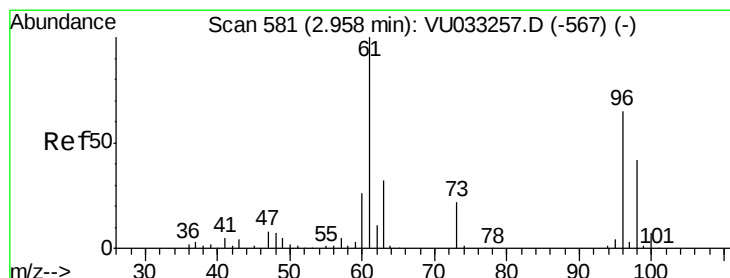
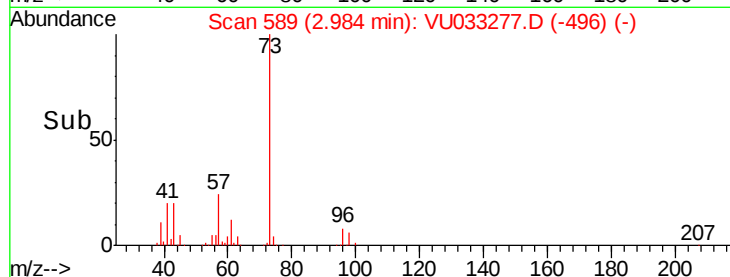
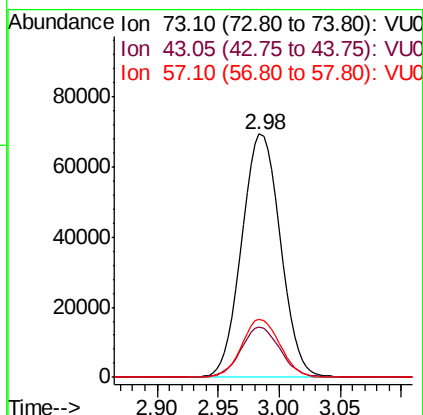
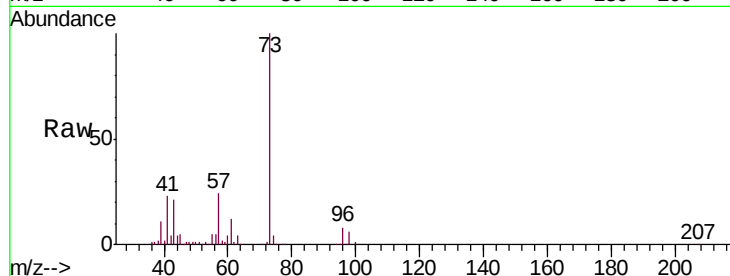




#17
Methyl tert-butyl Ether
Concen: 5.797 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

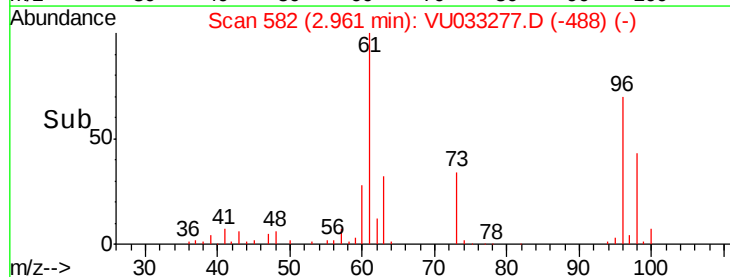
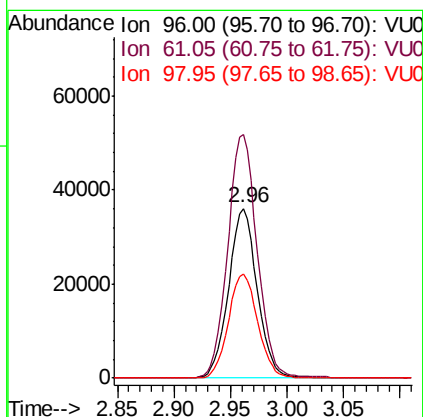
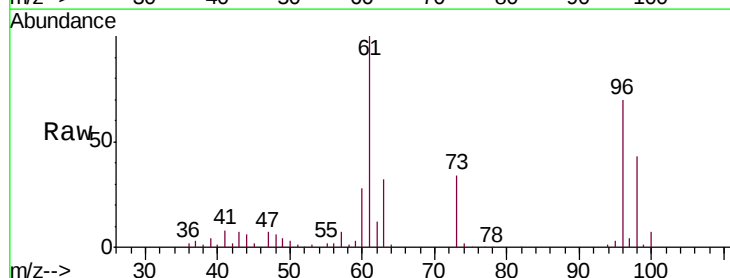
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

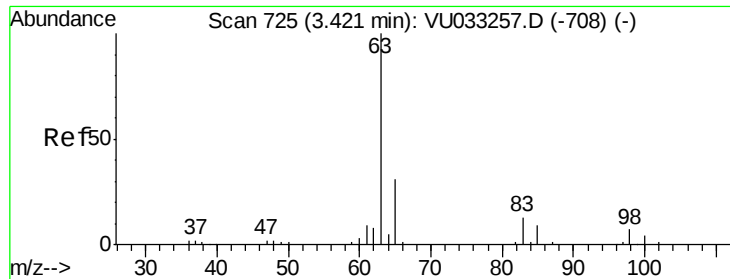
Tgt Ion: 73 Resp: 152709
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 23.4 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.737 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 96 Resp: 63743
Ion Ratio Lower Upper
96 100
61 143.4 107.1 198.9
98 61.1 45.4 84.4

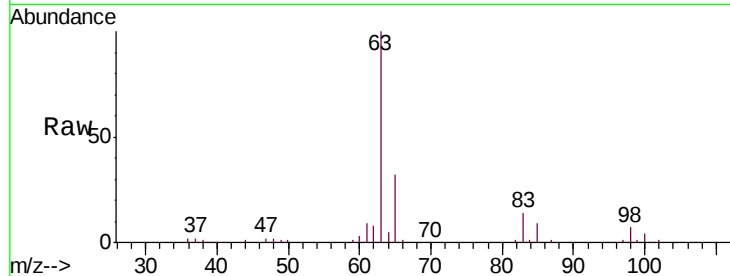




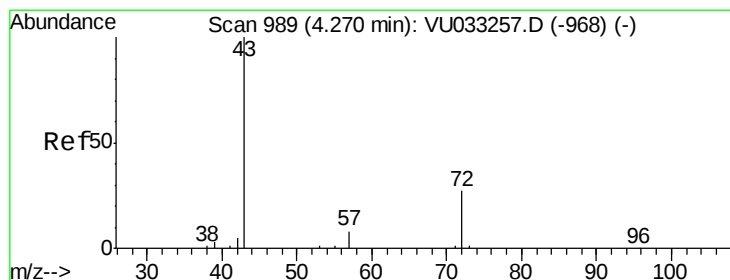
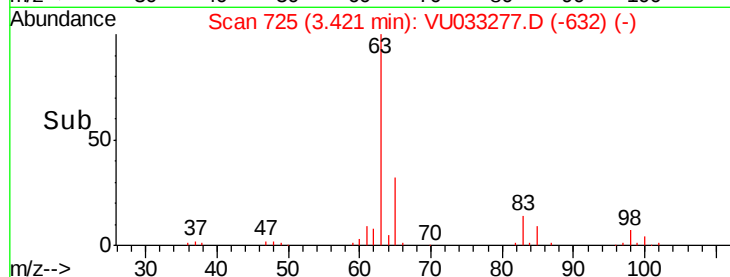
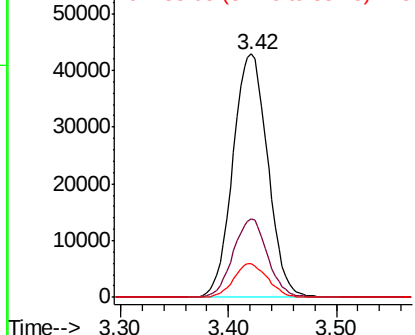
#19
 1,1-Dichloroethane
 Concen: 5.747 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 63 Resp: 95944
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.7 40.3
 83 13.6 9.0 16.8

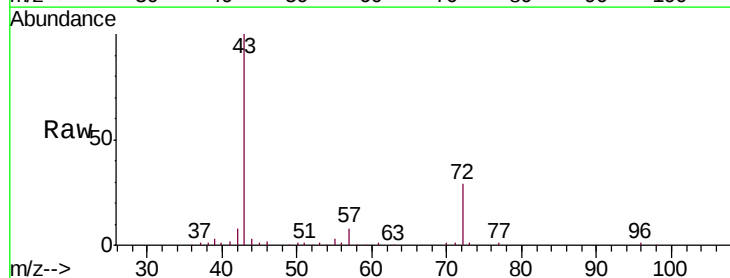


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

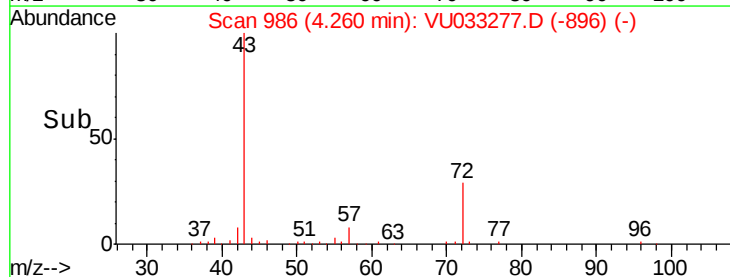
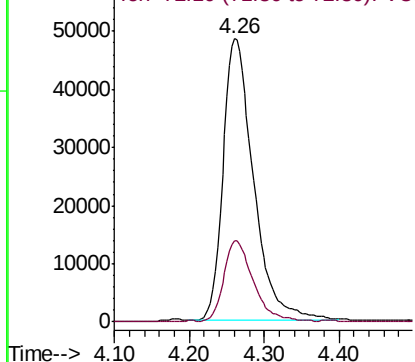


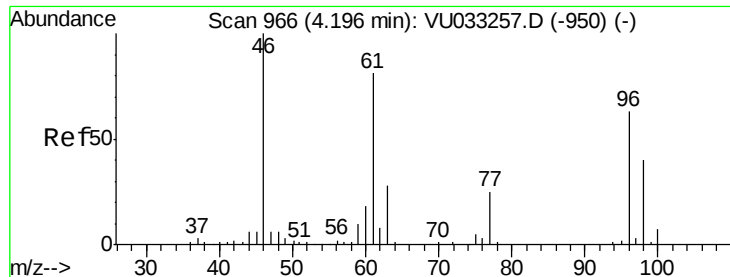
#21
 2-Butanone
 Concen: 58.536 ug/L
 RT: 4.26 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion: 43 Resp: 136854
 Ion Ratio Lower Upper
 43 100
 72 27.6 13.5 40.4



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



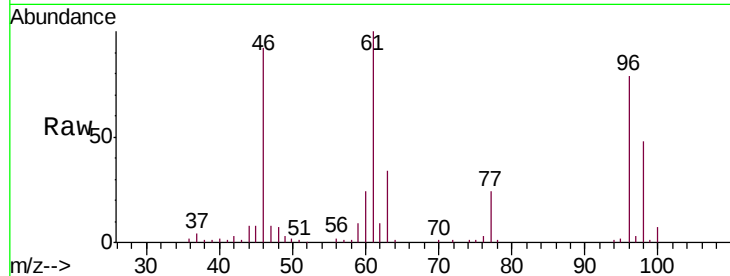


#22

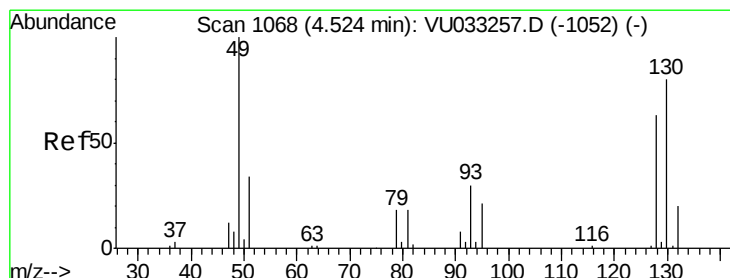
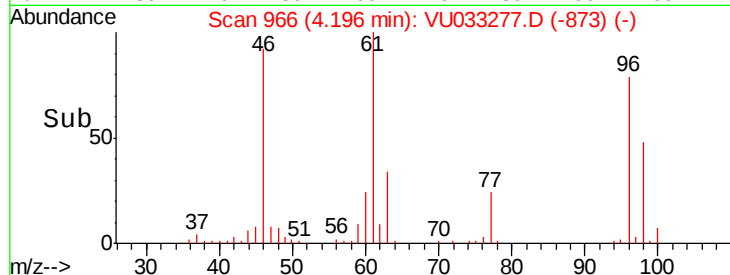
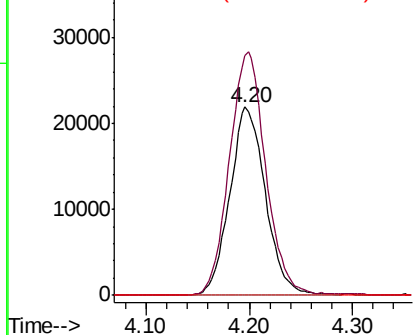
cis-1,2-Dichloroethene
Concen: 5.629 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion: 96 Resp: 52854
Ion Ratio Lower Upper
96 100
61 127.1 89.2 165.6
68 0.0 0.0 0.0



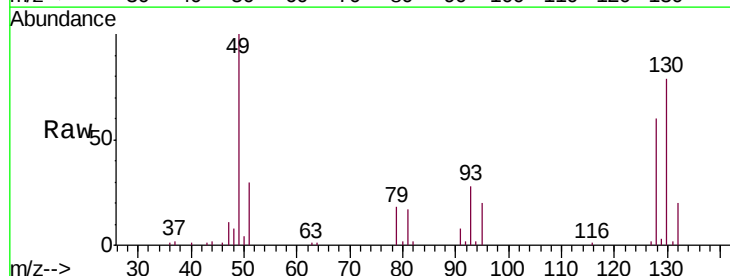
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



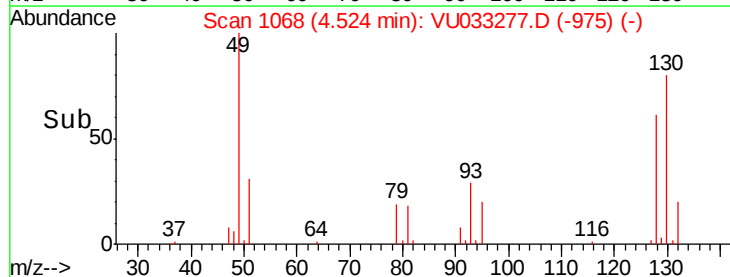
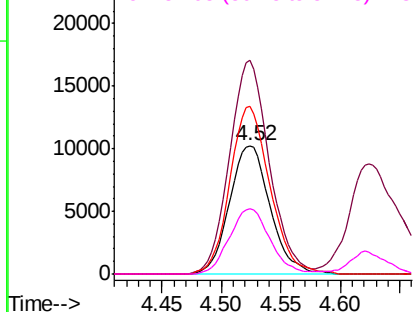
#23

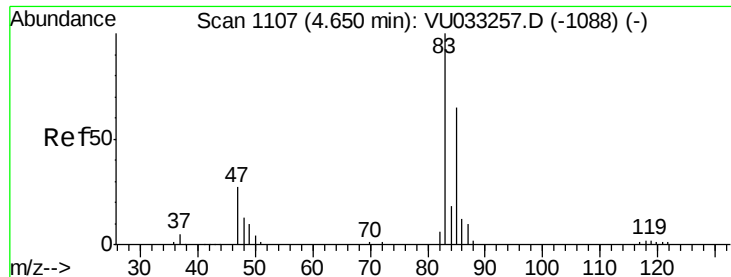
Bromochloromethane
Concen: 5.870 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 128 Resp: 24276
Ion Ratio Lower Upper
128 100
49 166.2 110.5 205.3
130 130.6 88.6 164.6
51 50.5 43.2 64.8



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

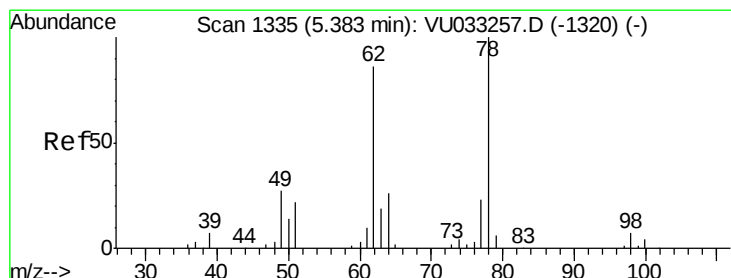
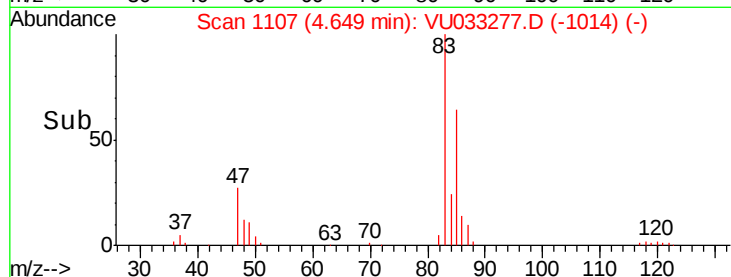
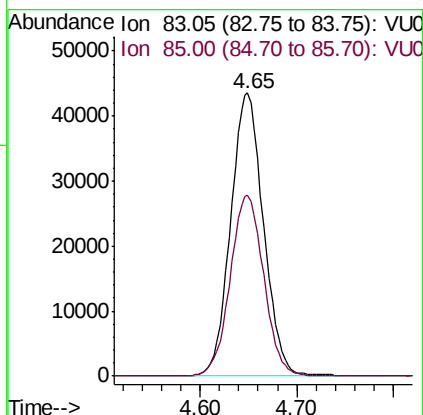
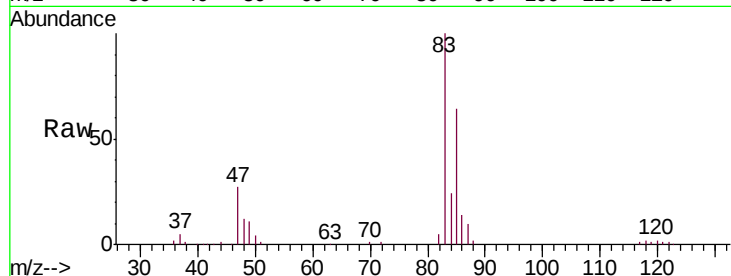




#25
Chloroform
Concen: 5.552 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

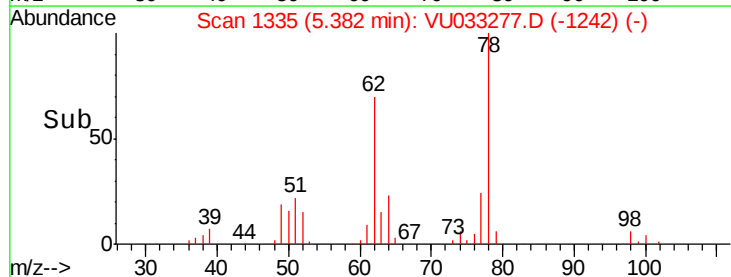
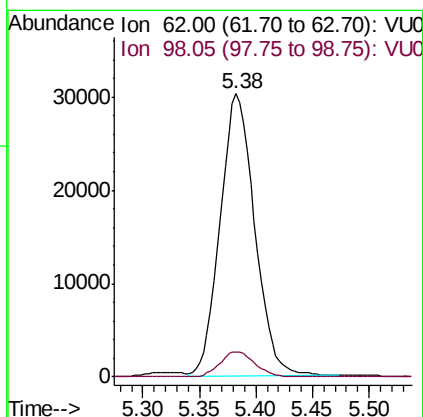
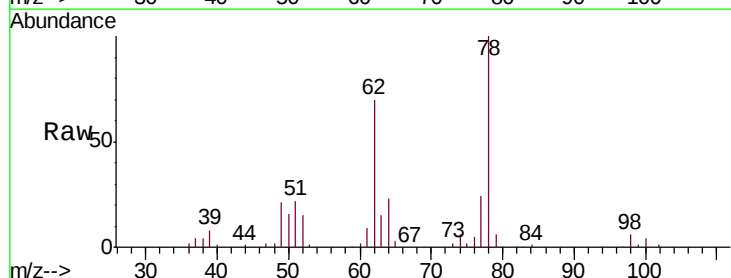
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

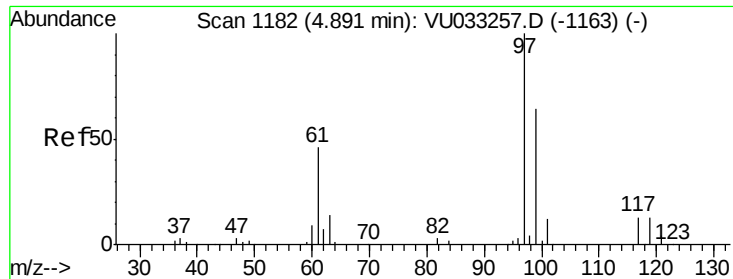
Tgt Ion: 83 Resp: 102666
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.876 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 62 Resp: 64636
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

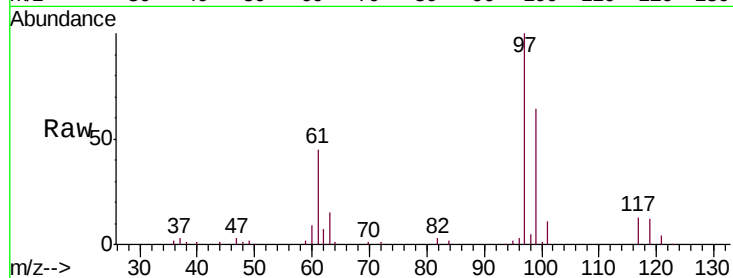




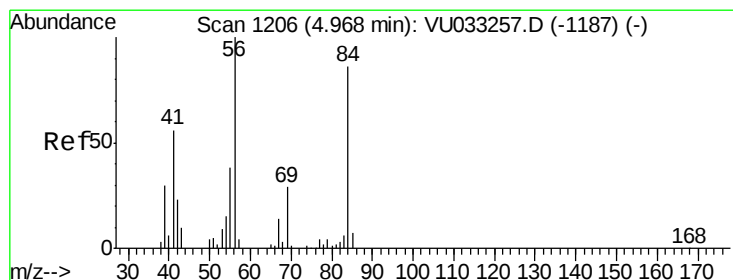
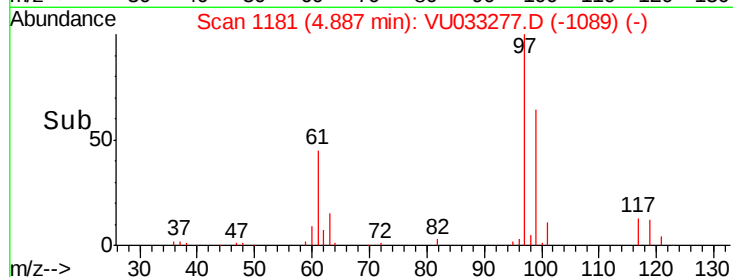
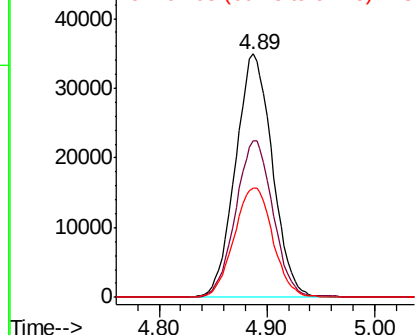
#29
1,1,1-Trichloroethane
Concen: 5.665 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion: 97 Resp: 83183
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 47.3 36.2 54.4

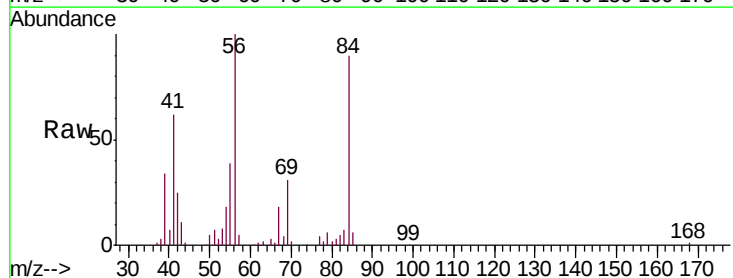


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

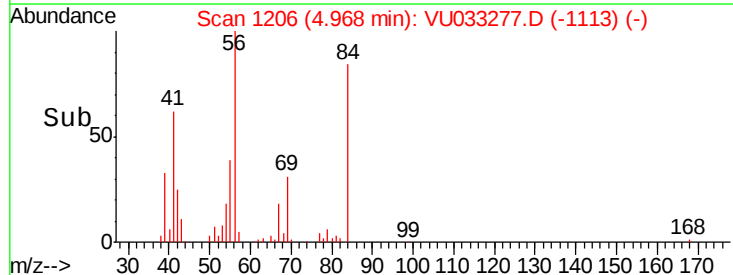
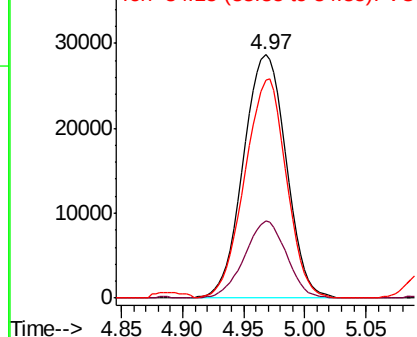


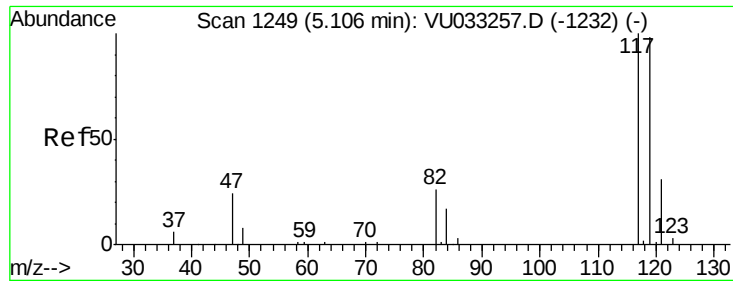
#30
Cyclohexane
Concen: 5.286 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 56 Resp: 69699
Ion Ratio Lower Upper
56 100
69 30.9 23.9 35.9
84 87.3 69.5 104.3



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: 5.754 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

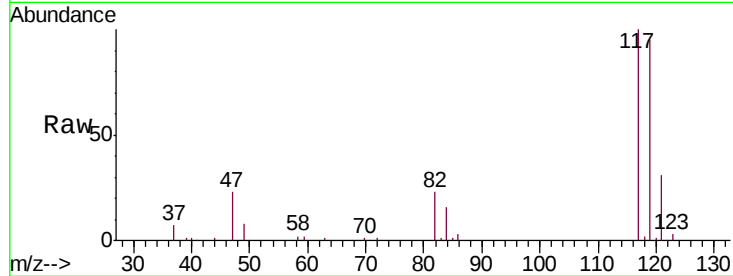
VSTD00515

Tgt Ion:117 Resp: 73971

Ion Ratio Lower Upper

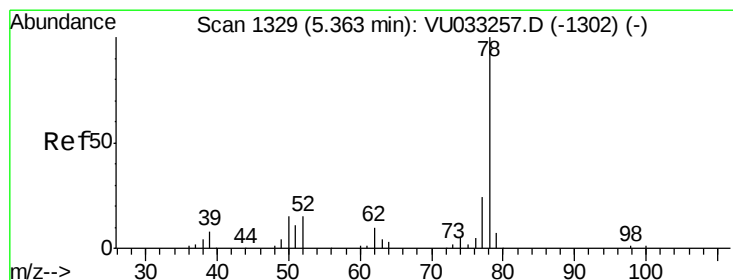
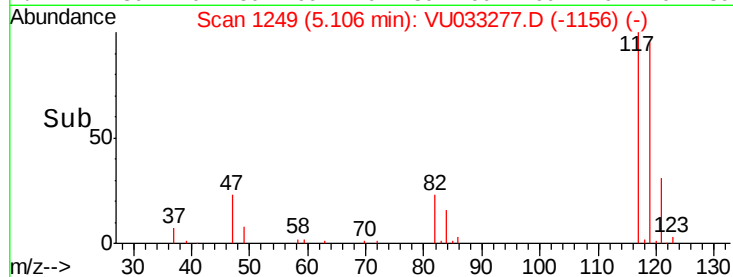
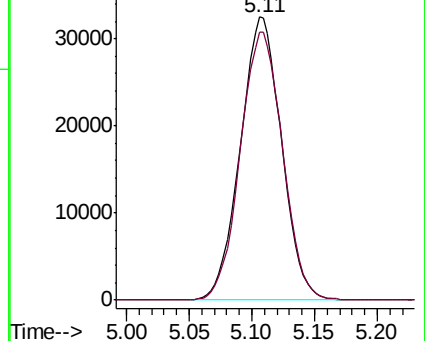
117 100

119 97.1 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.778 ug/L

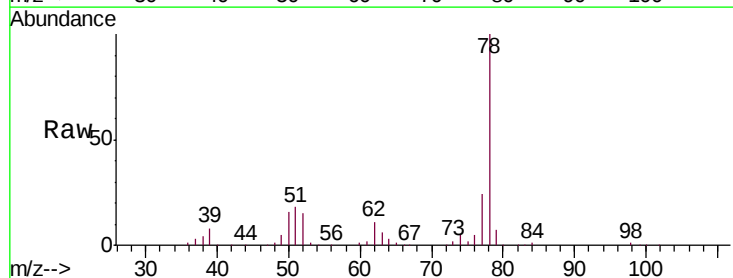
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

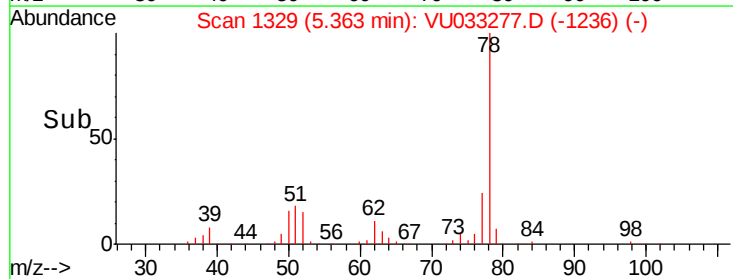
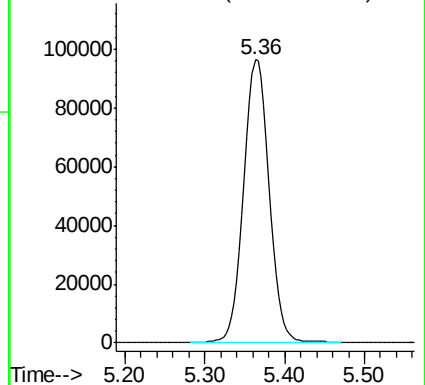
Lab File: VU033277.D

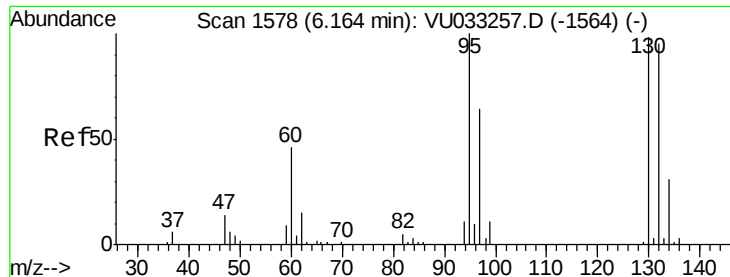
Acq: 17 Jul 2019 08:54

Tgt Ion: 78 Resp: 208030



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.586 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 53212

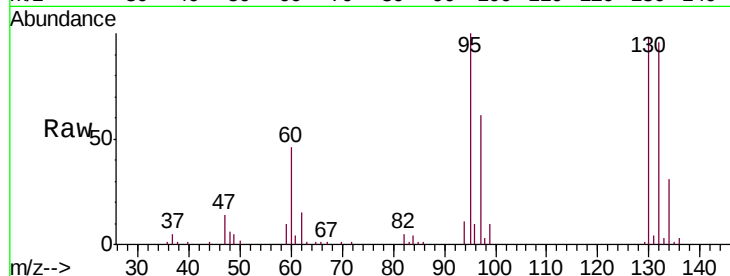
Ion Ratio Lower Upper

95 100

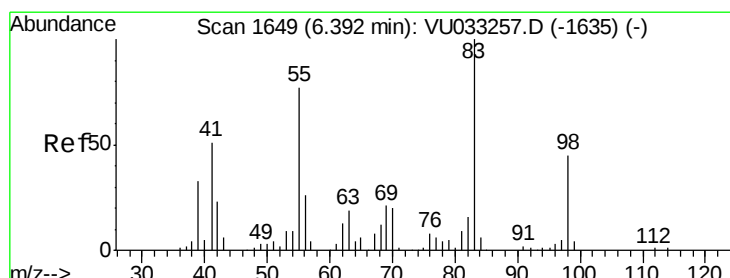
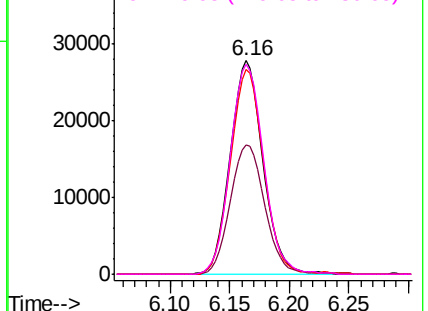
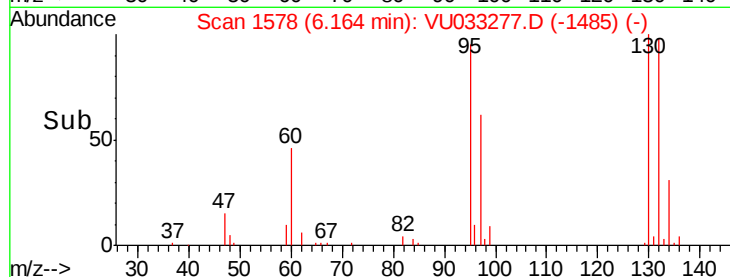
97 60.7 44.5 82.7

132 95.8 66.6 123.8

130 98.0 68.9 127.9



Abundance Ion 95.00 (94.70 to 95.70): VU033277.D (-1556) (-)



#35

Methylcyclohexane

Concen: 5.335 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

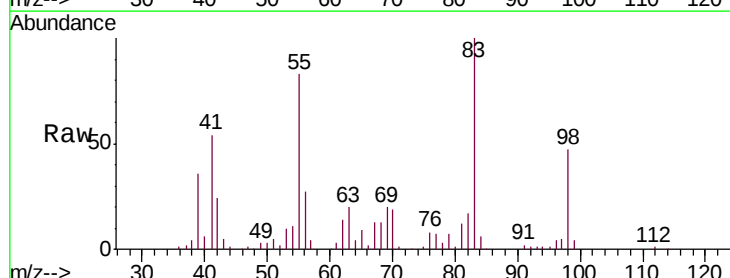
Tgt Ion: 83 Resp: 76585

Ion Ratio Lower Upper

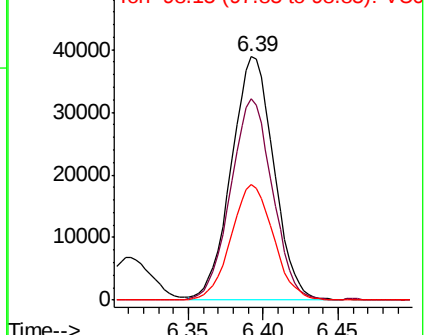
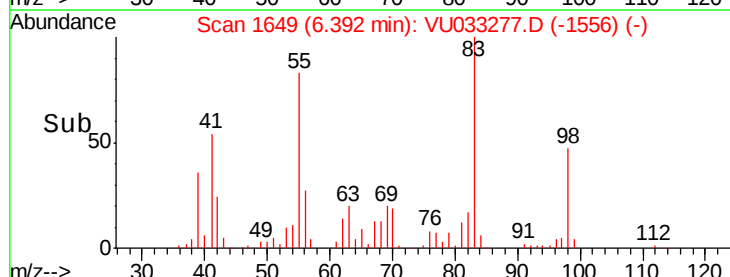
83 100

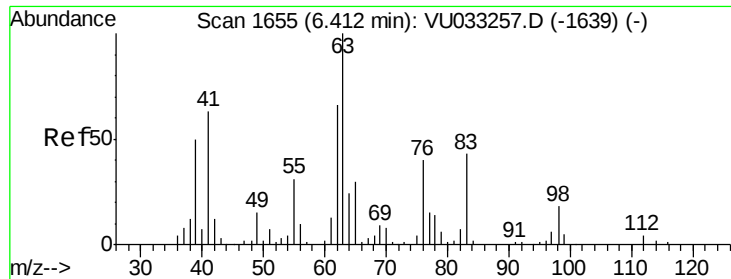
55 81.9 62.6 94.0

98 47.3 36.2 54.2



Abundance Ion 83.15 (82.85 to 83.85): VU033277.D (-1556) (-)





#37

1,2-Dichloropropane

Concen: 5.723 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

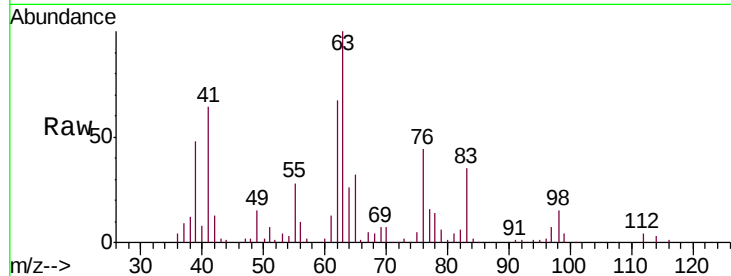
VSTD00515

Tgt Ion: 63 Resp: 55716

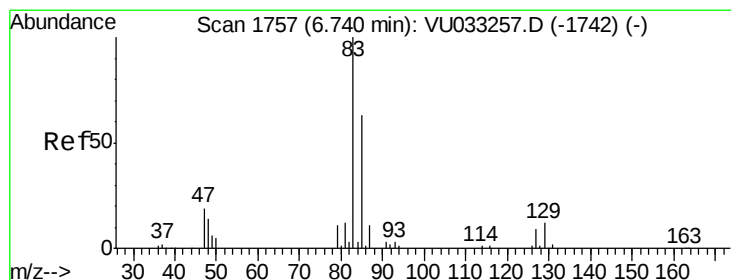
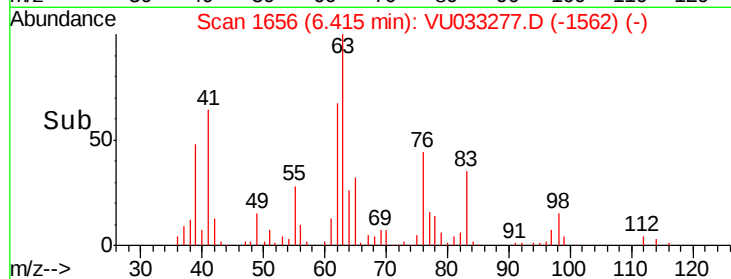
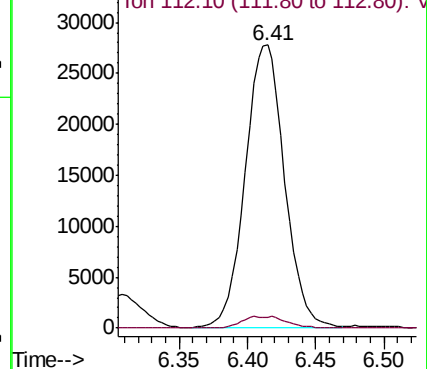
Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU033257.D (-1639) (-)



#38

Bromodichloromethane

Concen: 5.771 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

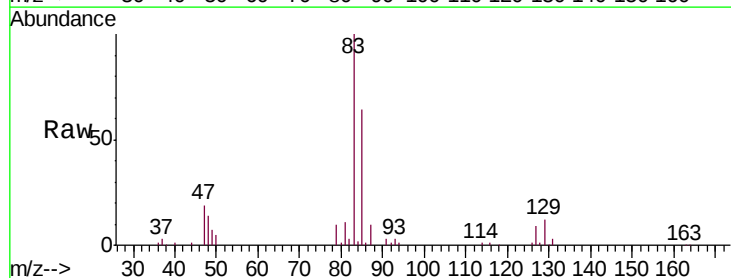
Tgt Ion: 83 Resp: 71675

Ion Ratio Lower Upper

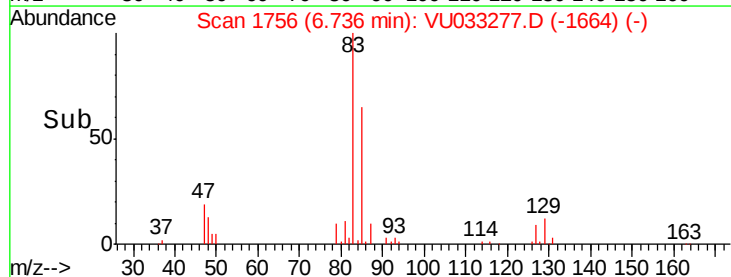
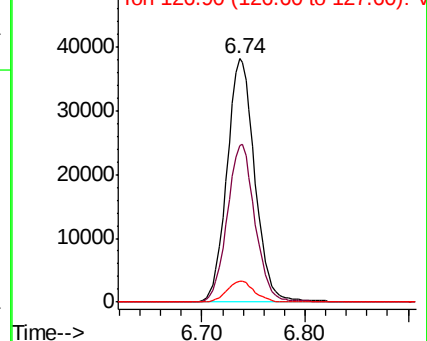
83 100

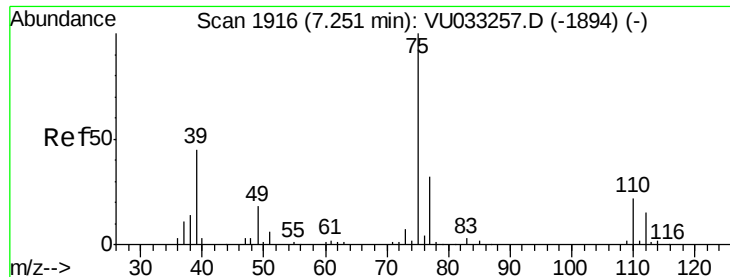
85 64.4 44.0 81.8

127 8.8 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU033257.D (-1742) (-)

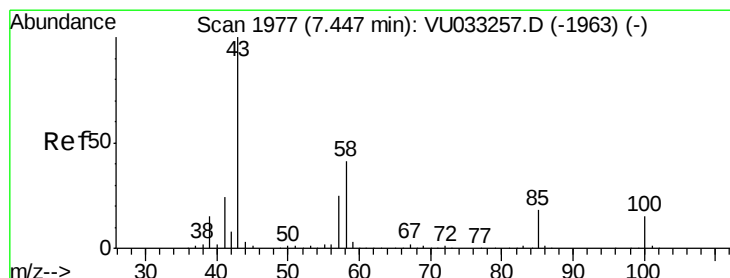
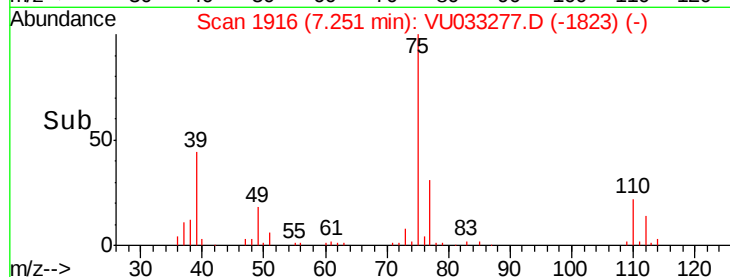
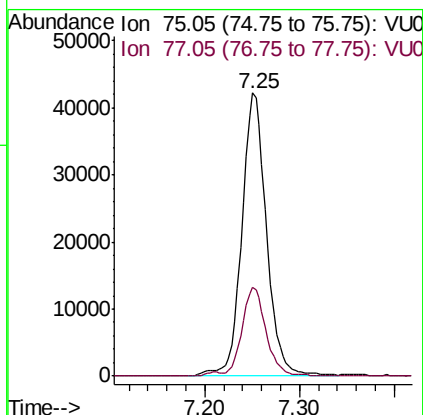
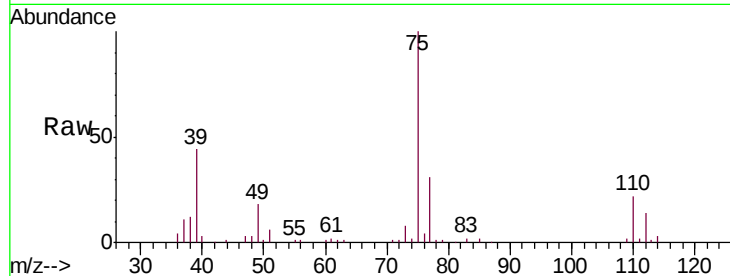




#39
 cis-1,3-Dichloropropene
 Concen: 5.518 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

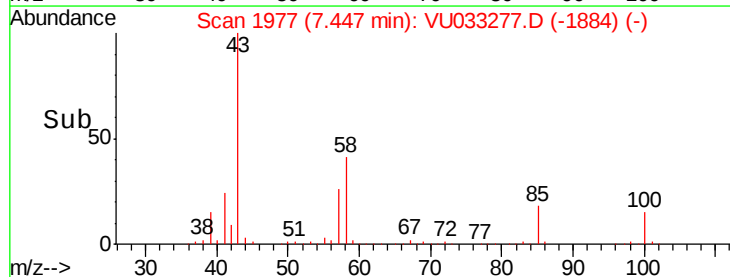
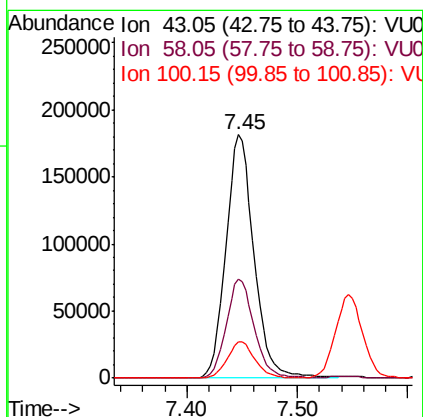
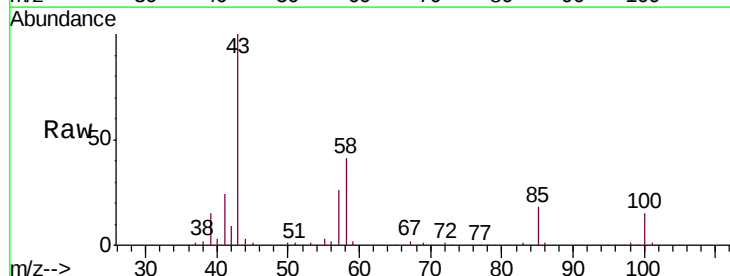
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

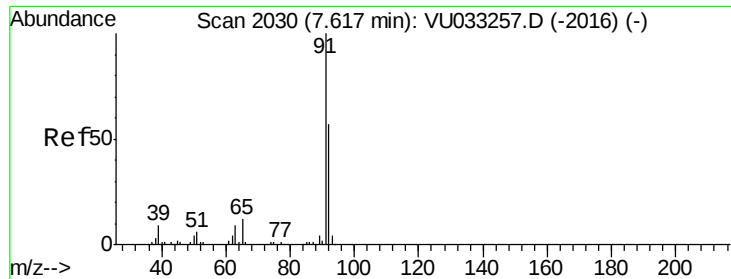
Tgt Ion: 75 Resp: 76646
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 57.302 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion: 43 Resp: 319680
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 14.8 11.9 17.9





#42

Toluene

Concen: 5.873 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

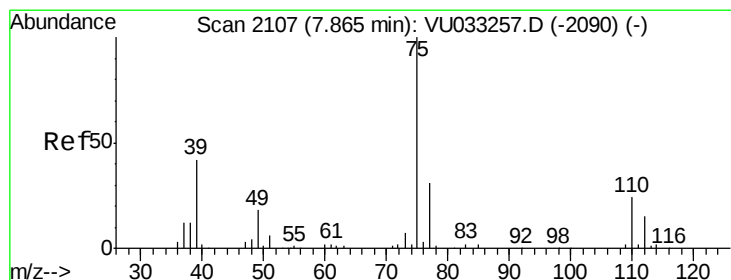
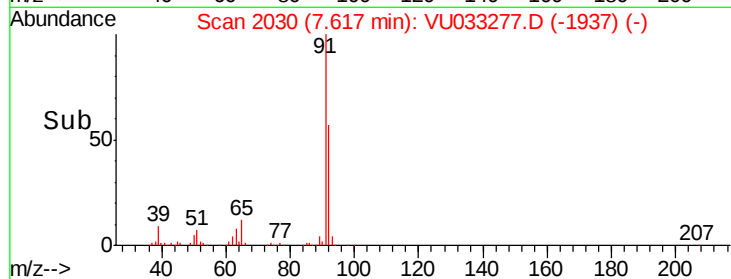
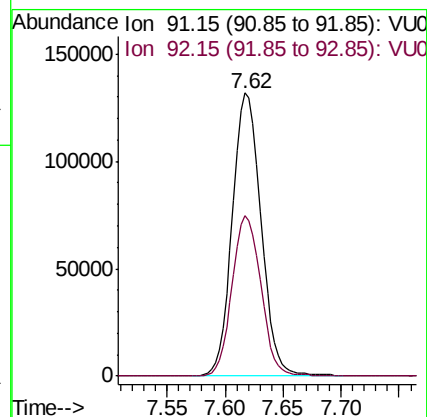
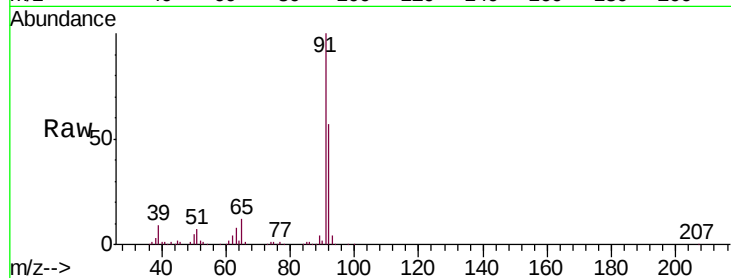
VSTD00515

Tgt Ion: 91 Resp: 226983

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.735 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033277.D

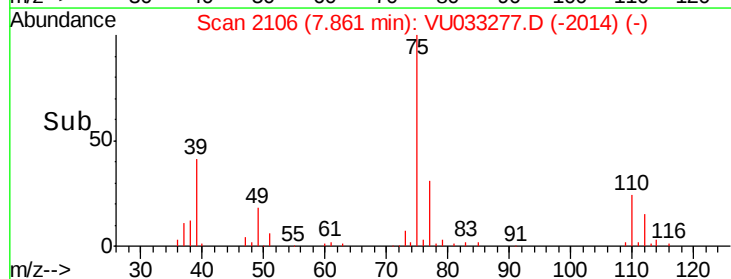
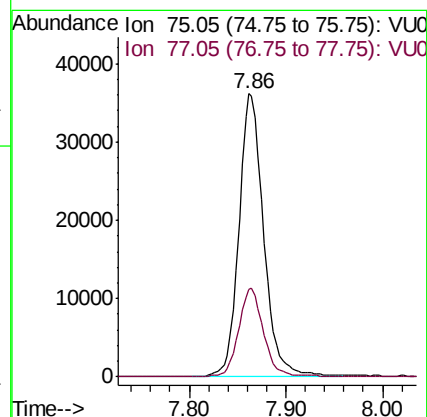
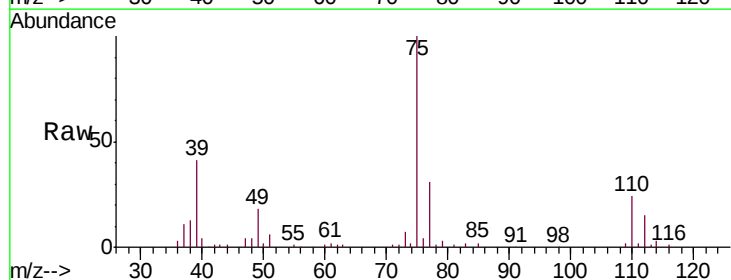
Acq: 17 Jul 2019 08:54

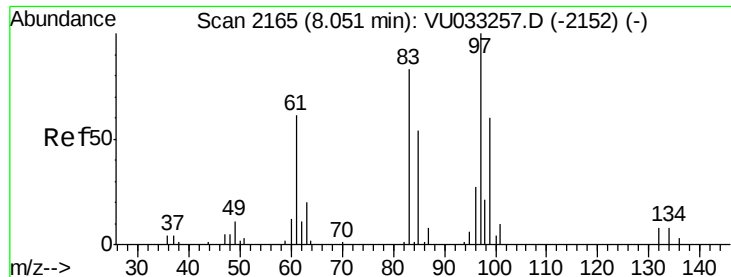
Tgt Ion: 75 Resp: 64412

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.0

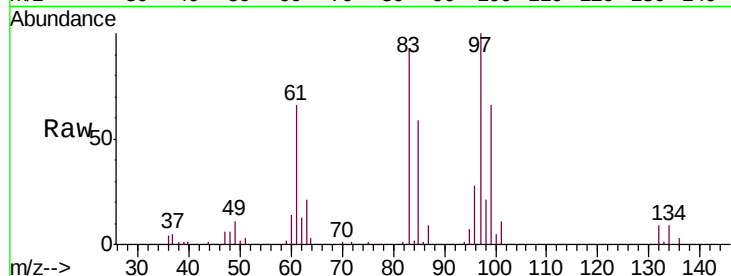




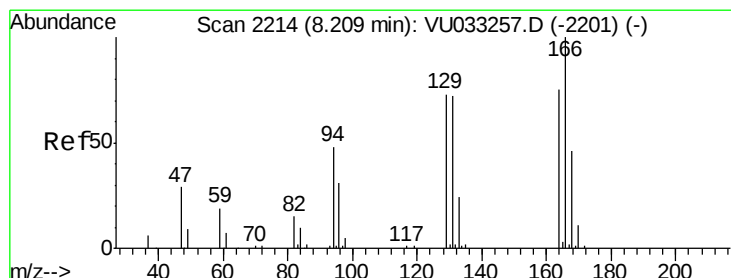
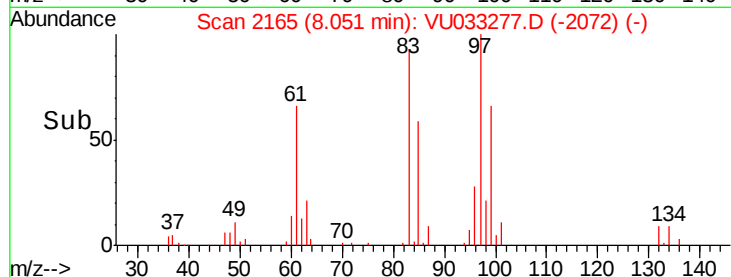
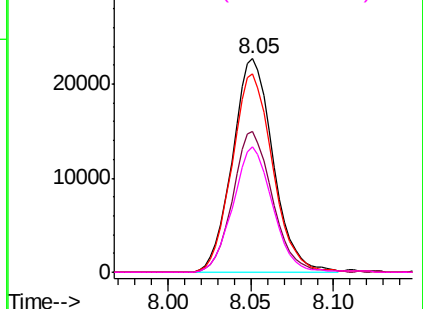
#45
 1,1,2-Trichloroethane
 Concen: 5.570 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	97	Resp:	38780
Ion	Ratio	Lower	Upper
97	100		
99	65.8	42.3	78.5
83	92.7	58.0	107.6
85	59.0	37.8	70.2

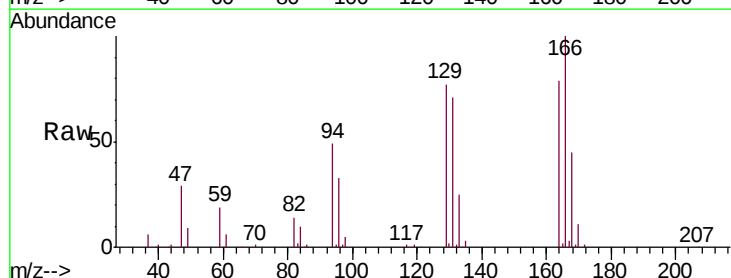


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

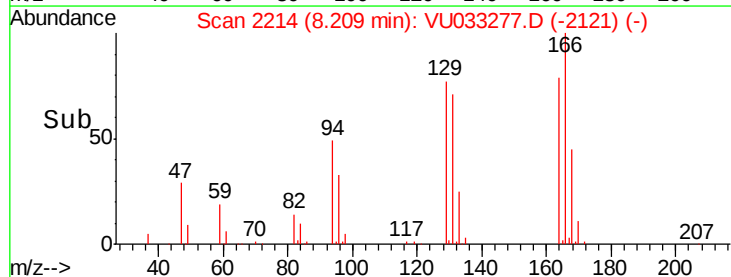
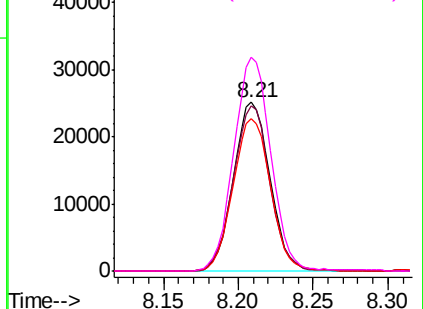


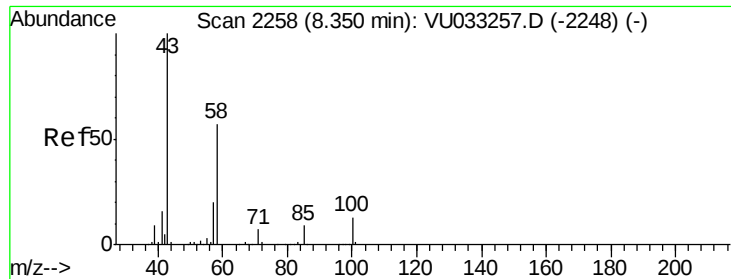
#47
 Tetrachloroethene
 Concen: 5.603 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion:	164	Resp:	42773
Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.5	127.1
131	90.1	67.3	124.9
166	126.8	93.1	172.9



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

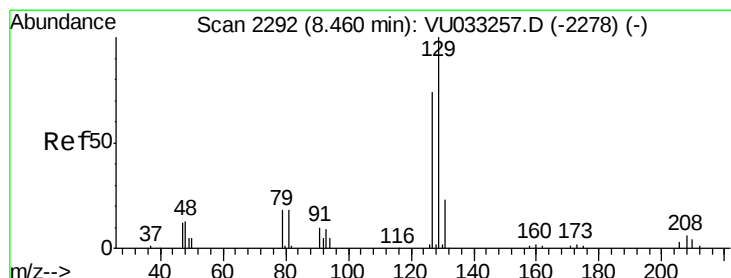
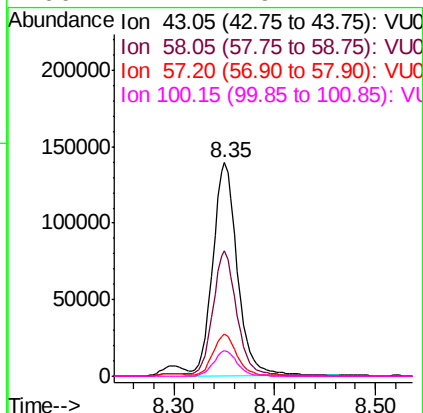
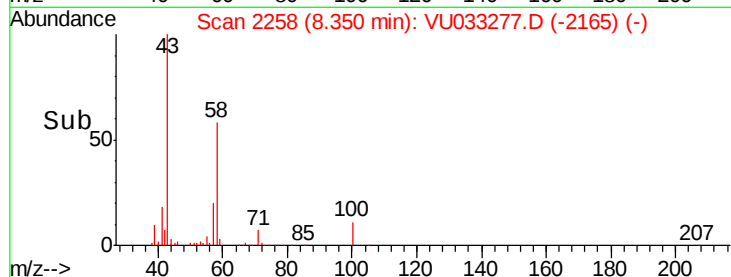
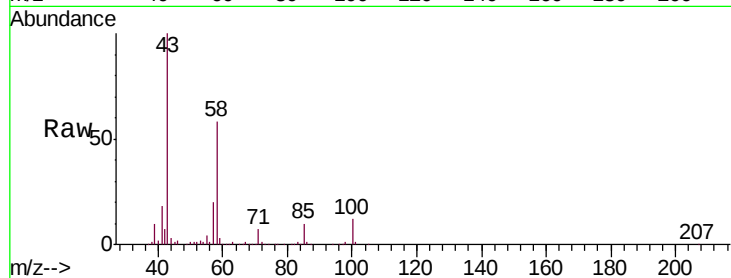




#48
2-Hexanone
Concen: 57.871 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

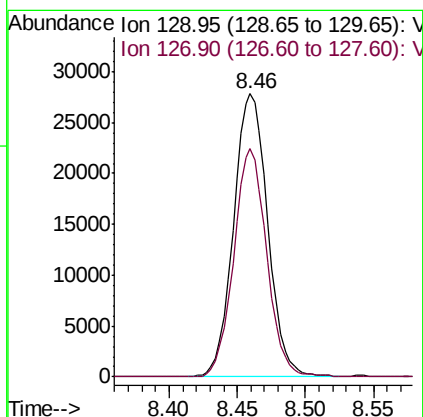
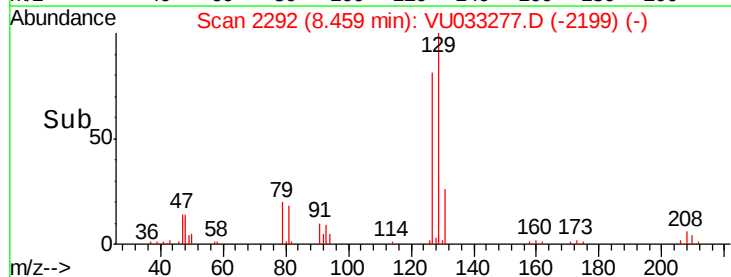
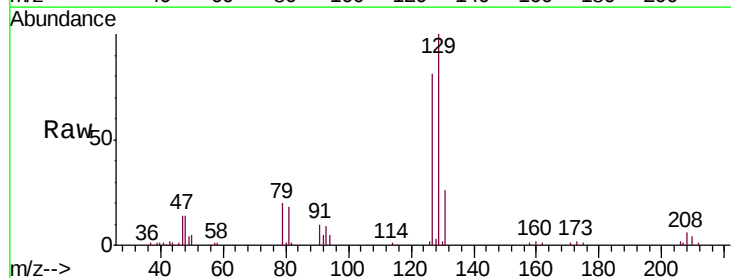
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

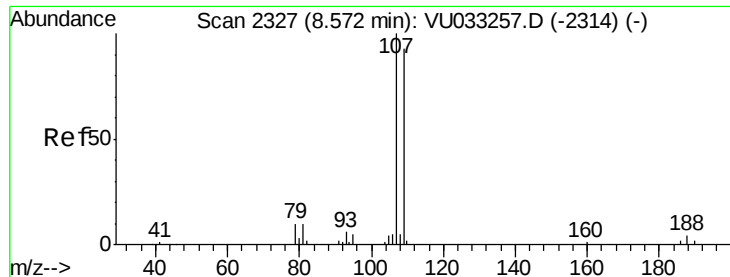
Tgt Ion: 43 Resp: 236140
Ion Ratio Lower Upper
43 100
58 56.9 44.1 66.1
57 18.6 15.8 23.8
100 11.7 9.4 14.2



#49
Dibromochloromethane
Concen: 5.762 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion: 129 Resp: 48312
Ion Ratio Lower Upper
129 100
127 80.9 51.9 96.5

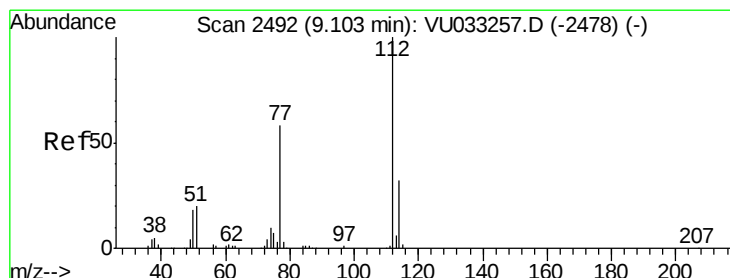
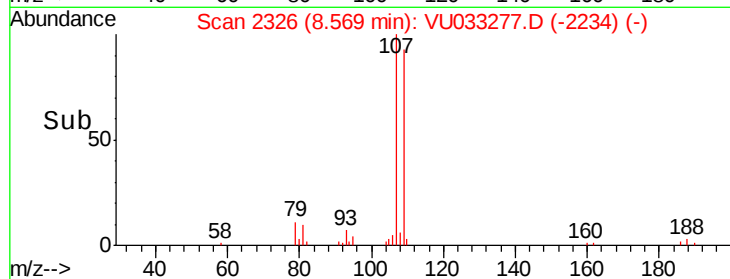
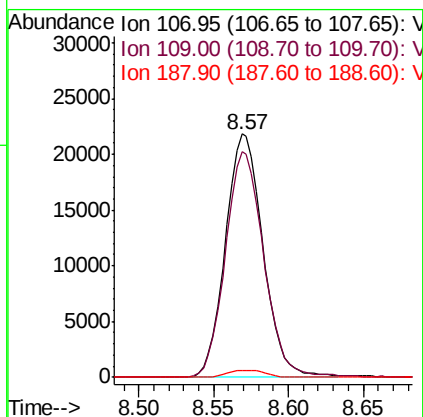
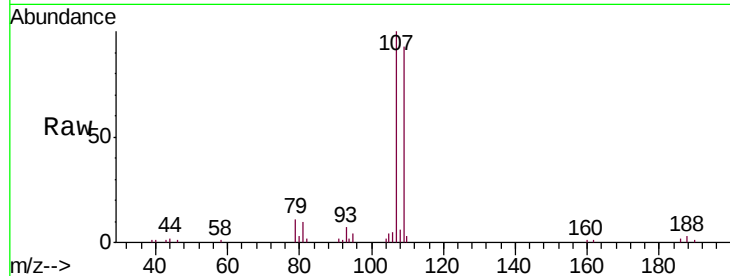




#50
1,2-Dibromoethane
Concen: 5.710 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

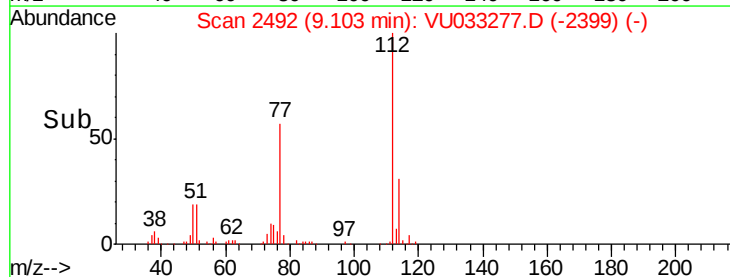
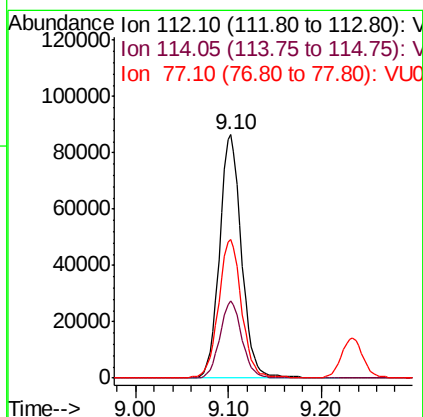
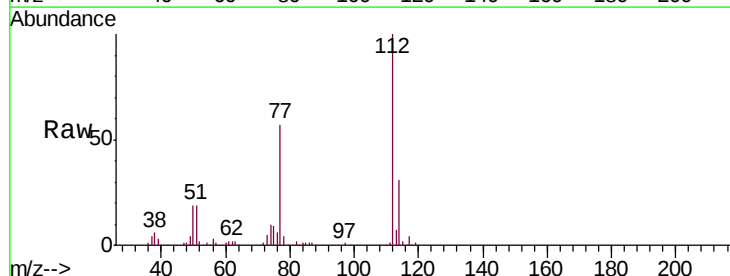
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

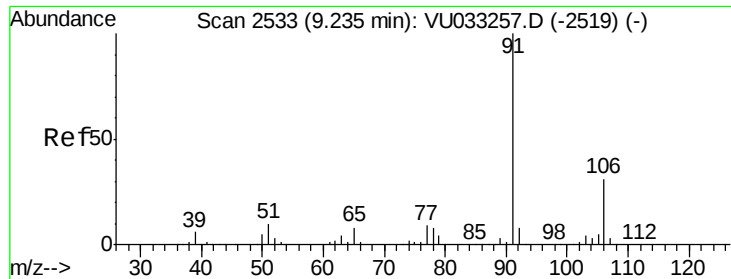
Tgt Ion:107 Resp: 38163
Ion Ratio Lower Upper
107 100
109 92.8 64.8 120.4
188 2.9 3.0 4.6#



#51
Chlorobenzene
Concen: 5.602 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion:112 Resp: 142107
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 57.2 46.9 70.3





#52

Ethylbenzene

Concen: 5.594 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

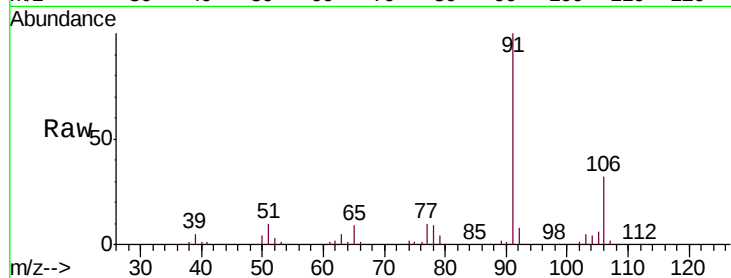
VSTD00515

Tgt Ion: 91 Resp: 230832

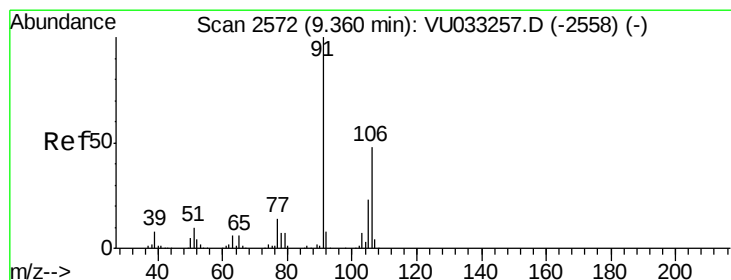
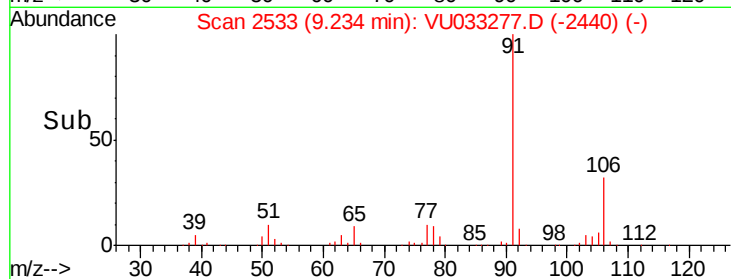
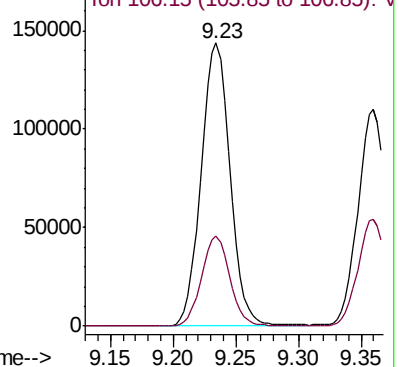
Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2519) (-)



#53

m,p-Xylene

Concen: 5.793 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033277.D

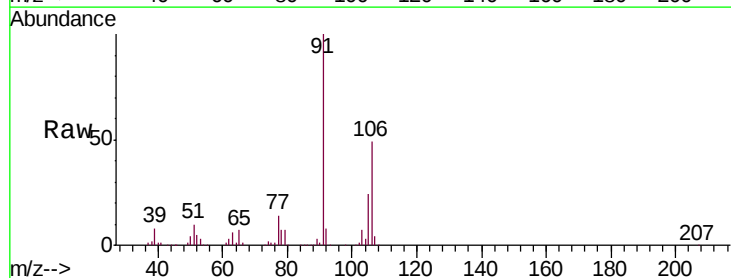
Acq: 17 Jul 2019 08:54

Tgt Ion: 106 Resp: 90292

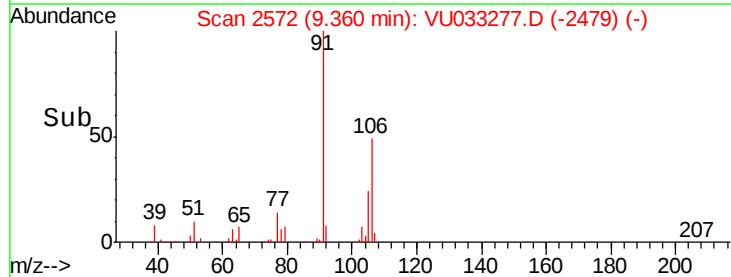
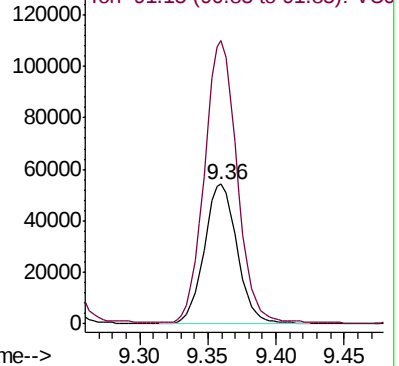
Ion Ratio Lower Upper

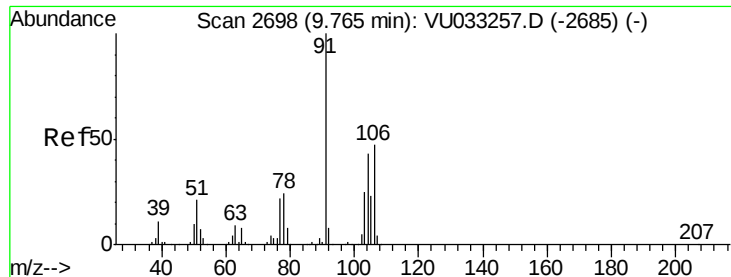
106 100

91 202.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU033257.D (-2558) (-)

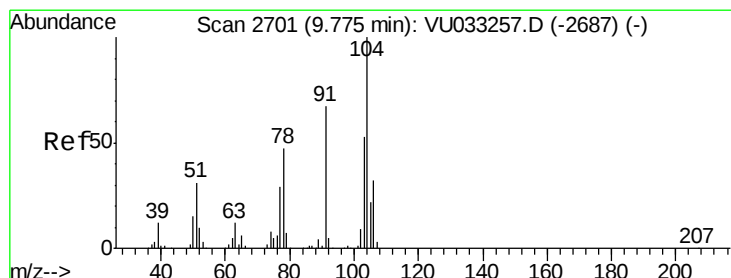
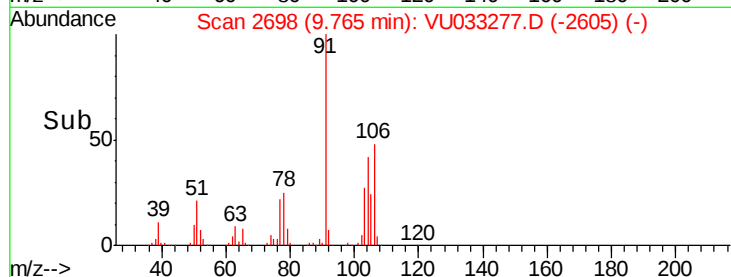
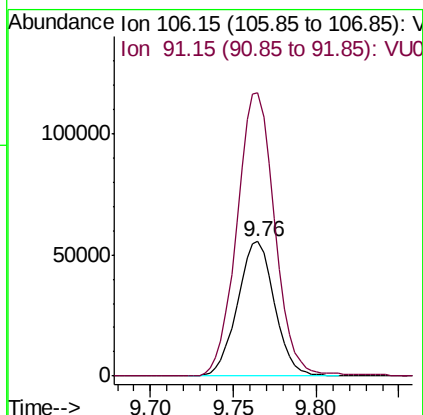
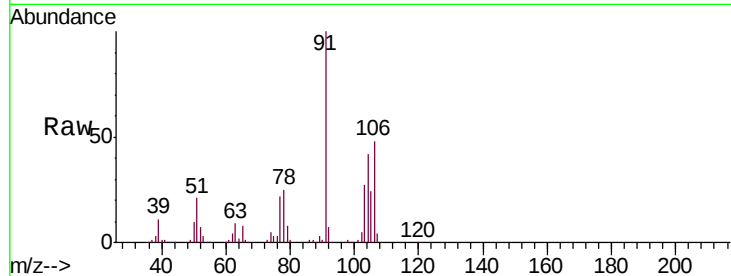




#54
o-Xylene
Concen: 5.810 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. -0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

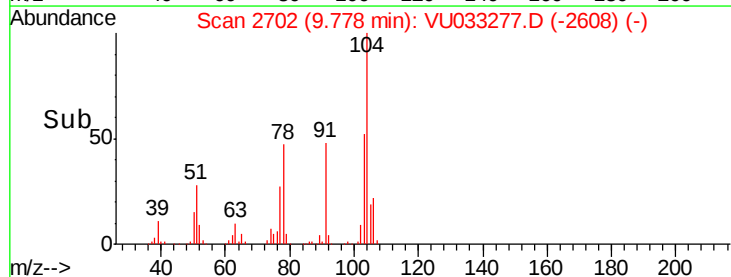
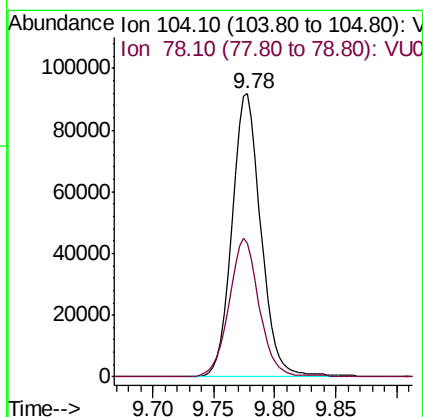
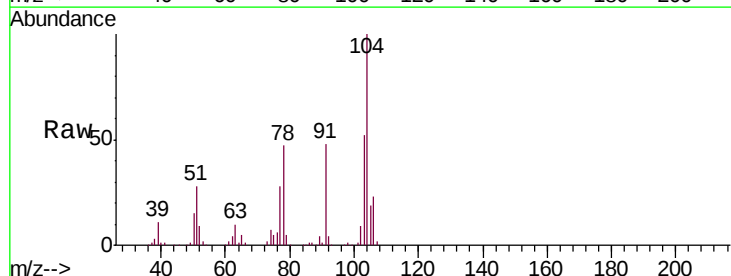
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

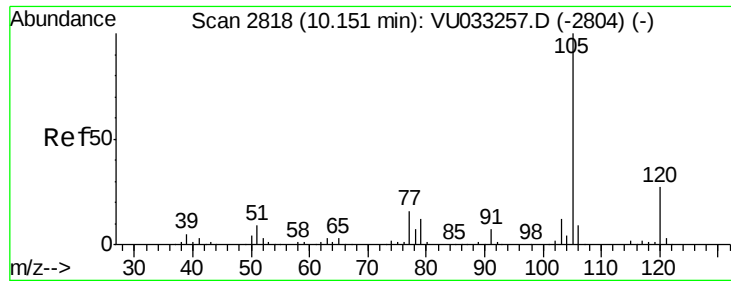
Tgt Ion:106 Resp: 86338
Ion Ratio Lower Upper
106 100
91 210.0 148.5 275.7



#55
Styrene
Concen: 5.843 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033277.D
Acq: 17 Jul 2019 08:54

Tgt Ion:104 Resp: 151332
Ion Ratio Lower Upper
104 100
78 47.4 32.8 60.8





#56

Isopropylbenzene

Concen: 5.618 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

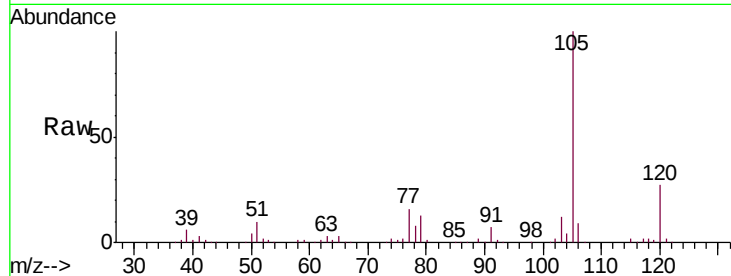
Tgt Ion: 105 Resp: 221952

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

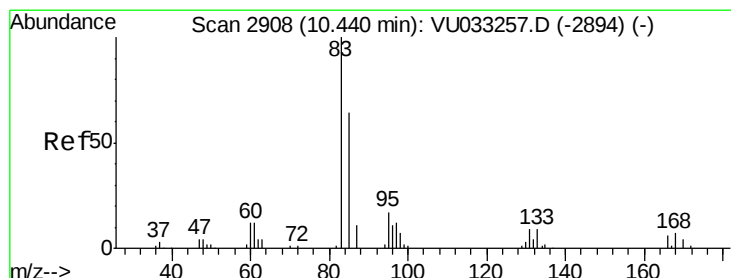
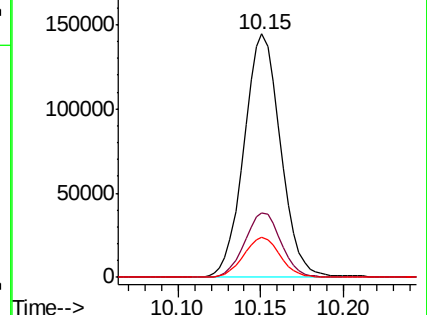
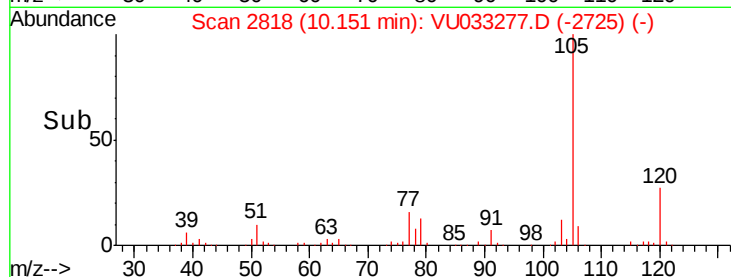
77 16.5 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.590 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

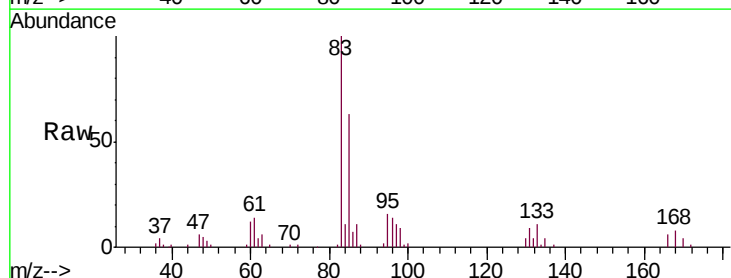
Tgt Ion: 83 Resp: 49817

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

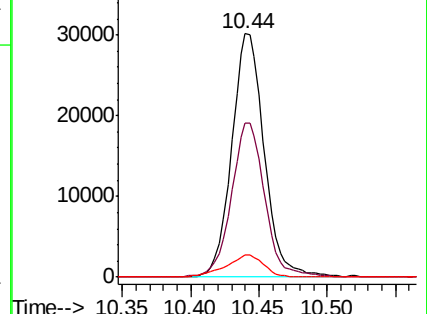
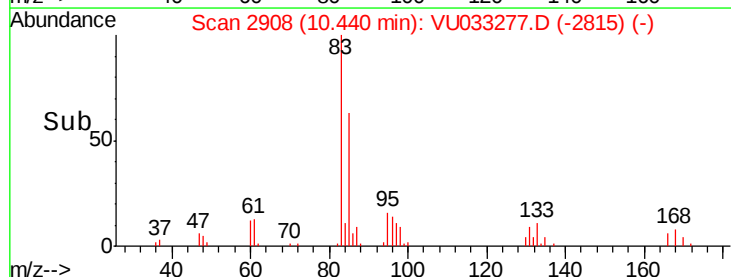
131 8.9 7.4 11.2

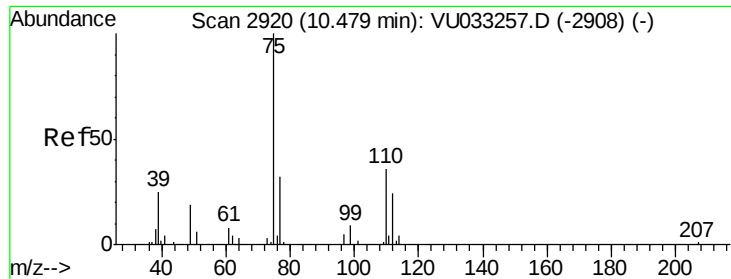


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

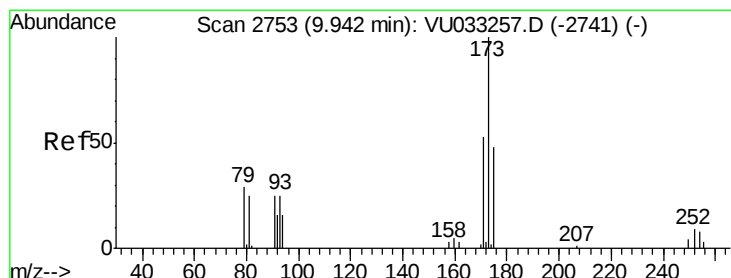
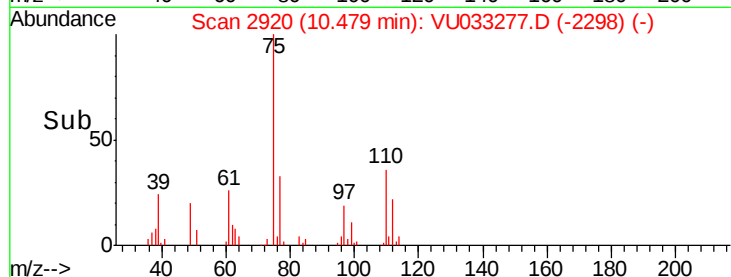
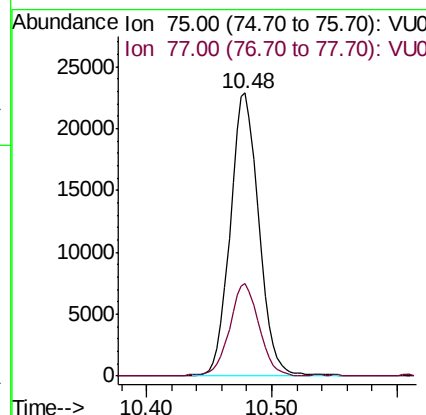
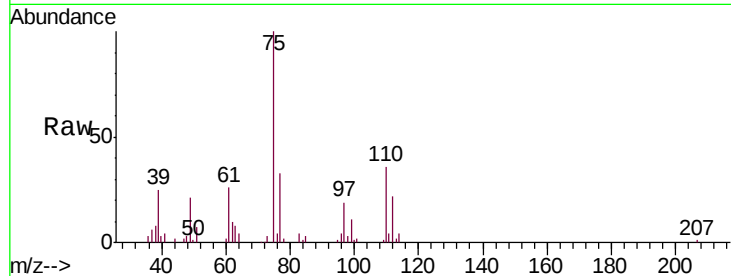




#59
 1,2,3-Trichloropropane
 Concen: 5.713 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

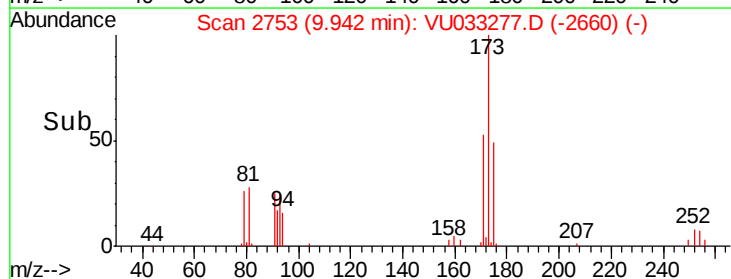
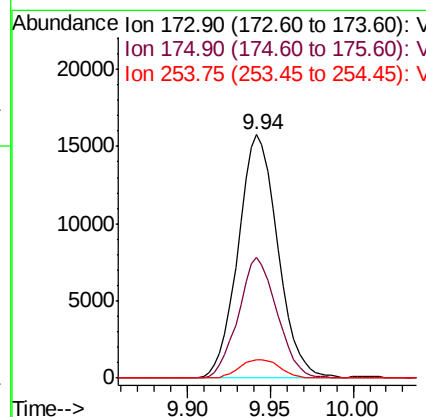
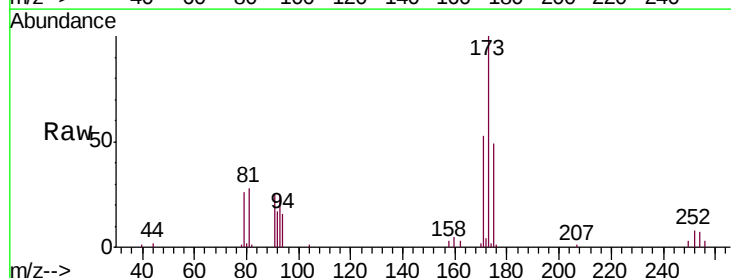
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

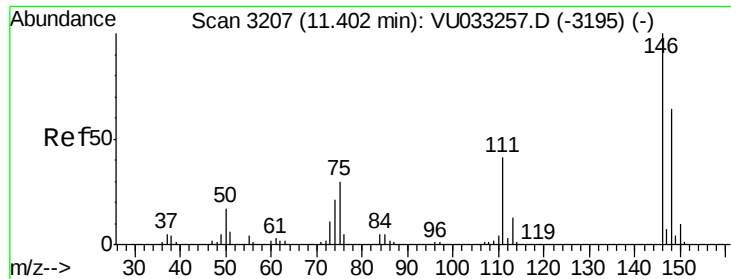
Tgt Ion: 75 Resp: 36270
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.5 39.7



#61
 Bromoform
 Concen: 6.181 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion: 173 Resp: 26234
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.2 55.8
 254 7.7 6.6 9.8

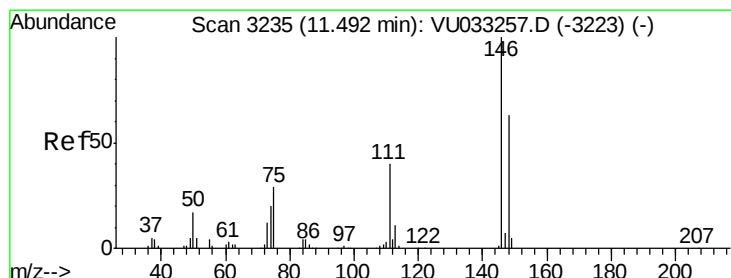
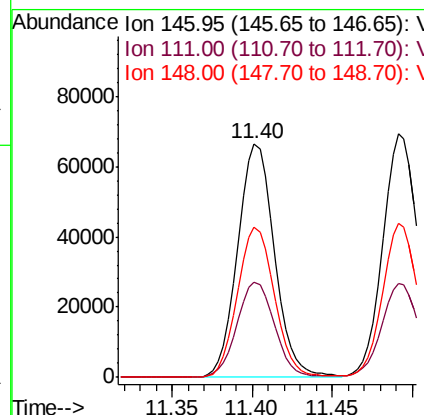
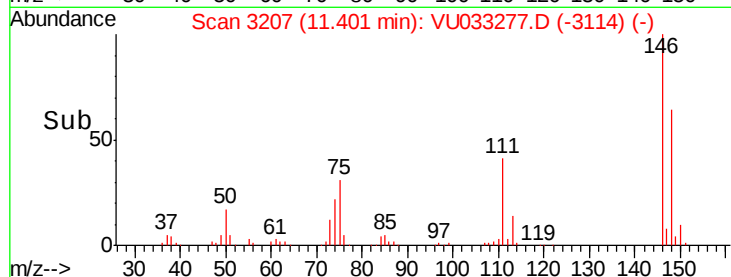
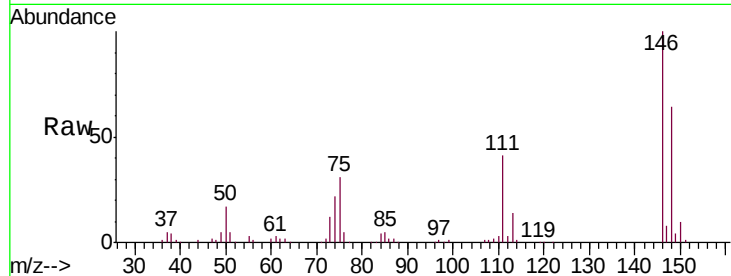




#62
 1,3-Dichlorobenzene
 Concen: 5.657 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

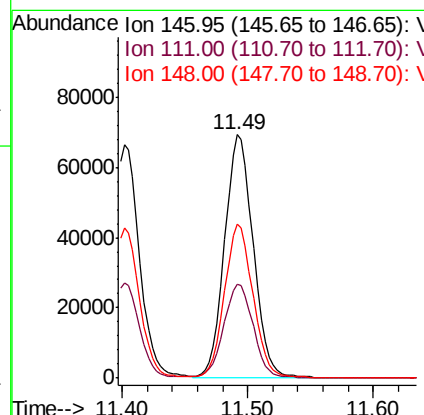
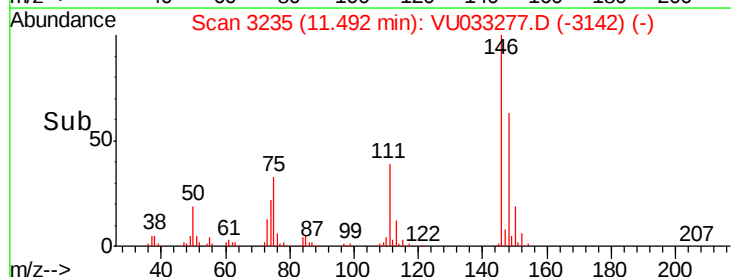
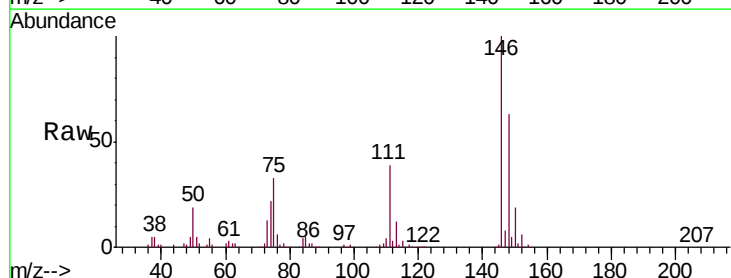
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

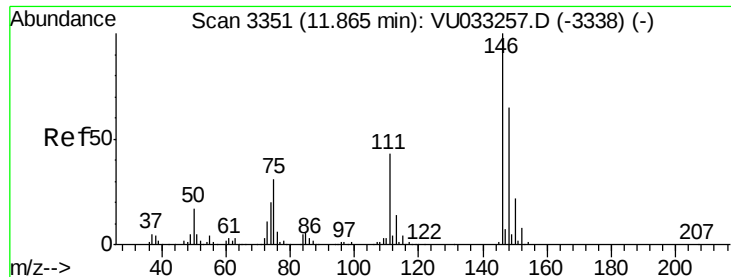
Tgt Ion:146 Resp: 104328
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.6 53.2
 148 64.1 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 5.640 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion:146 Resp: 109539
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.9 51.7
 148 63.3 44.1 81.9

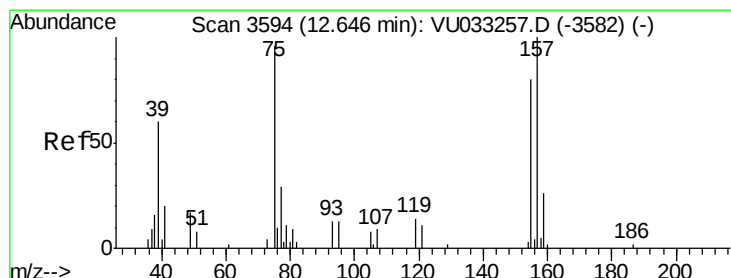
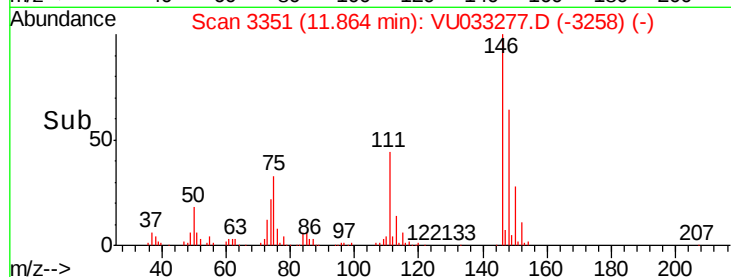
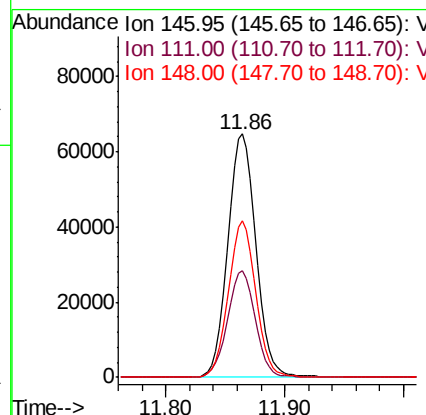
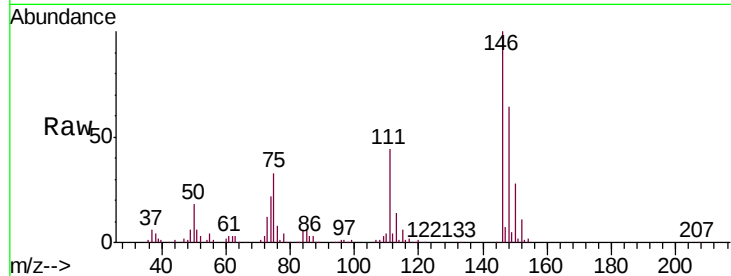




#65
 1,2-Dichlorobenzene
 Concen: 5.789 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

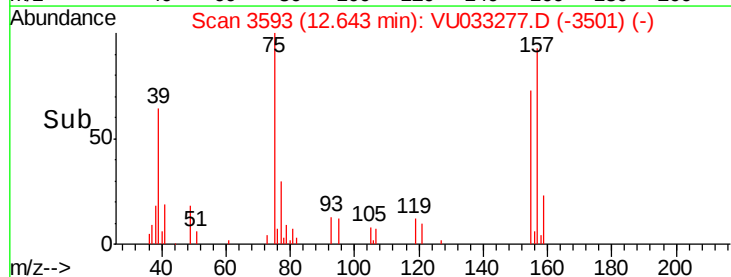
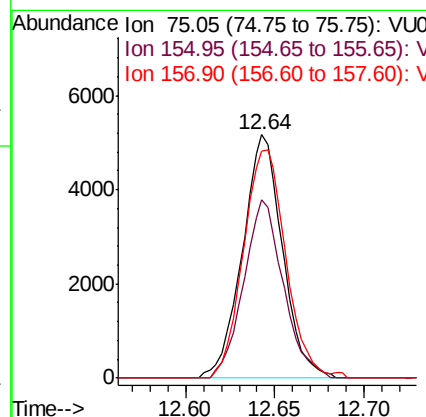
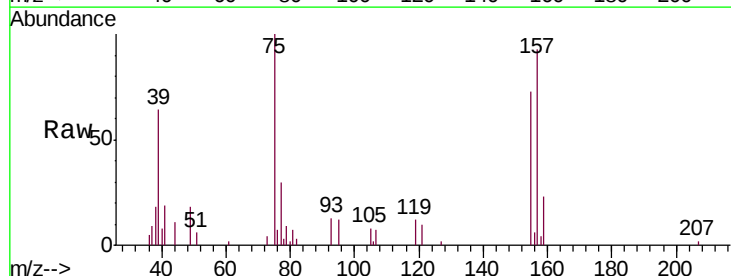
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

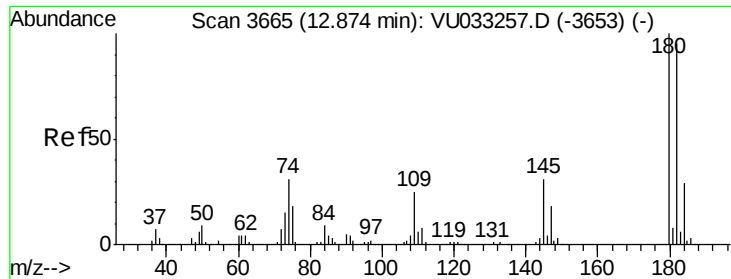
Tgt Ion: 146 Resp: 106000
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.2 51.4
 148 64.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.850 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion: 75 Resp: 8106
 Ion Ratio Lower Upper
 75 100
 155 73.2 67.1 100.7
 157 93.1 83.7 125.5

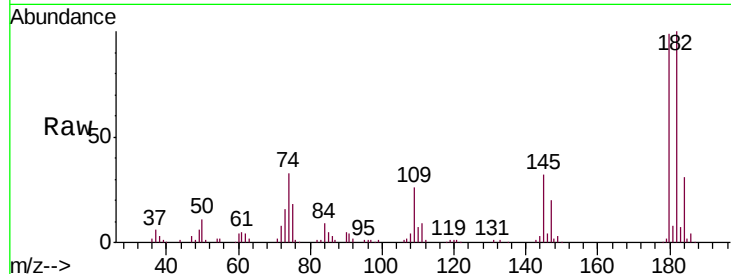




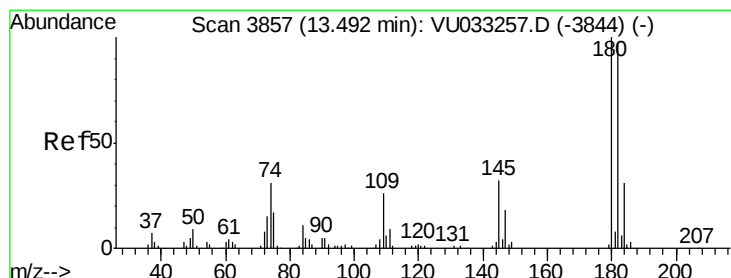
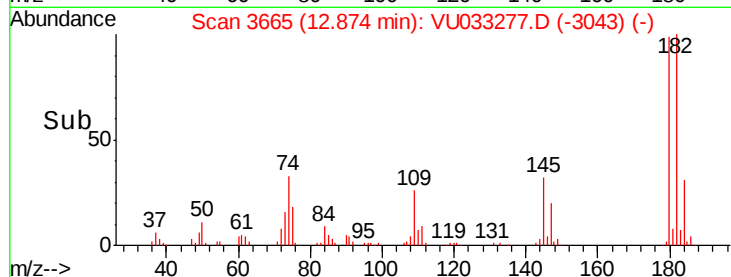
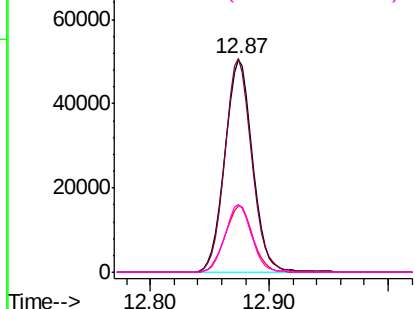
#67
 1,3,5-Trichlorobenzene
 Concen: 5.631 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:180 Resp: 81624
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.0 114.0
 184 31.2 24.2 36.2
 145 30.6 24.6 37.0

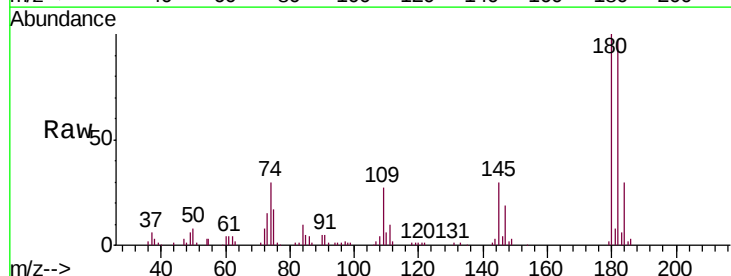


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

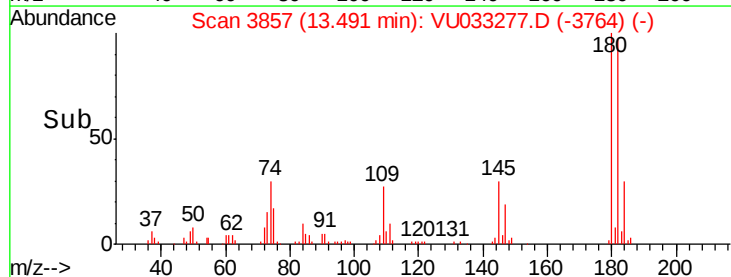
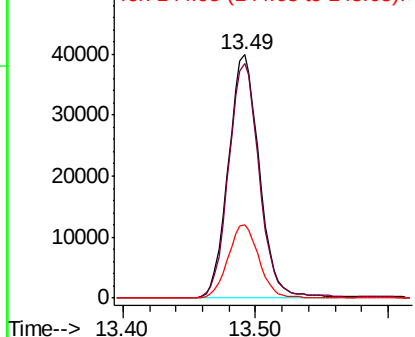


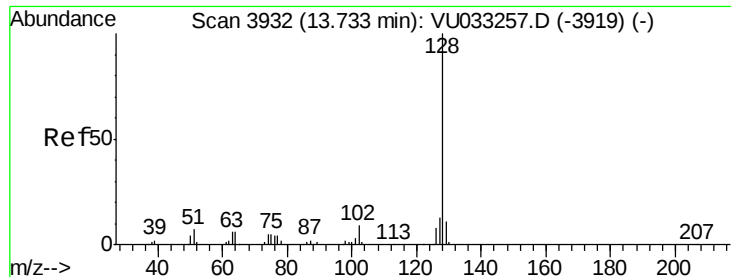
#68
 1,2,4-trichlorobenzene
 Concen: 5.536 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033277.D
 Acq: 17 Jul 2019 08:54

Tgt Ion:180 Resp: 64813
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.3 115.9
 145 30.1 24.5 36.7



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





#69

Naphthalene

Concen: 5.206 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

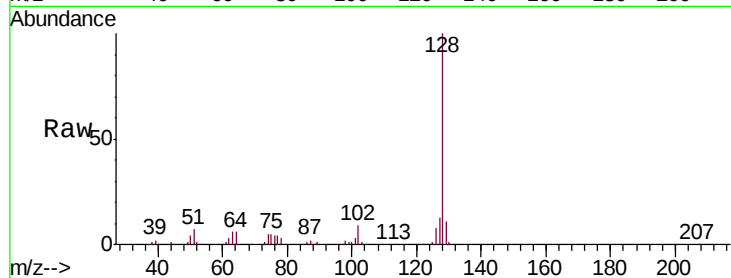
Tgt Ion:128 Resp: 103246

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

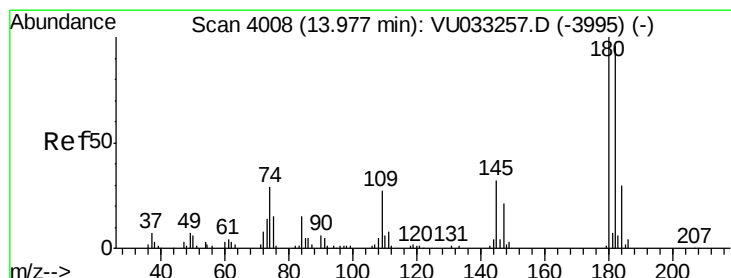
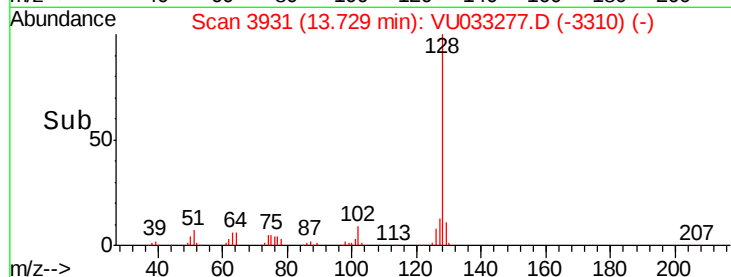
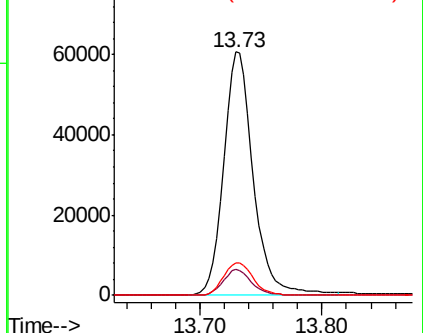
127 13.8 10.6 15.8



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: 5.628 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. -0.00 min

Lab File: VU033277.D

Acq: 17 Jul 2019 08:54

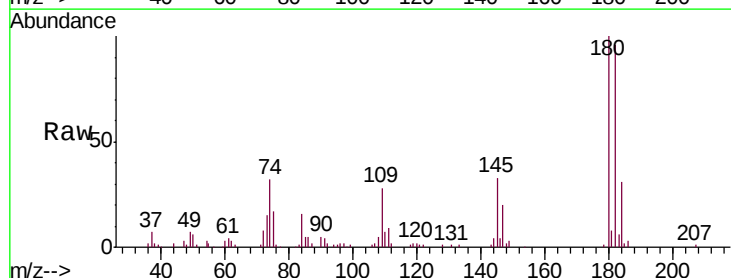
Tgt Ion:180 Resp: 62079

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 32.1 25.9 38.9



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

