

Data File : VV012573.D
Acq On : 04 Sep 2019 17:58
Operator : SY/MD
Sample : K4685-08
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD77

Quant Time: Sep 05 01:31:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	136223	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	139557	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	50224	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49038	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.58	69	58552	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	93500	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	3.94	46	123012	48.79	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.58%
24) Chloroform-d	4.40	84	90735	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.08	65	54402	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	173128	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.12	67	58861	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	136415	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	7.66	79	17820	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.13	63	88171	52.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43830	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	45874	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

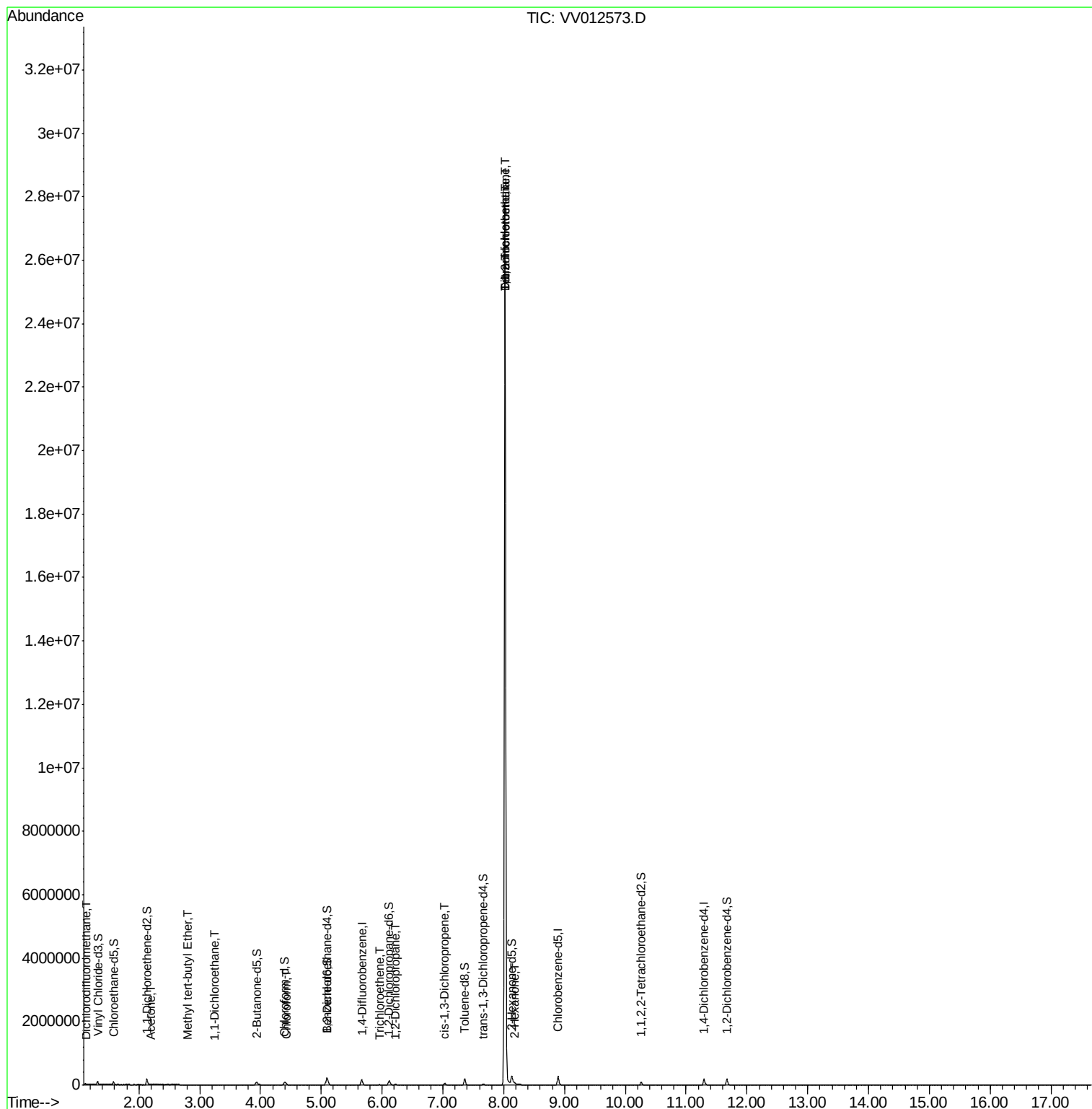
						Qvalue
2) Dichlorodifluoromethane	1.14	85	6227	0.357	ug/L	99
13) Acetone	2.19	43	11872	3.319	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	3978	0.133	ug/L #	32
19) 1,1-Dichloroethane	3.24	63	1399	0.052	ug/L #	80
25) Chloroform	4.43	83	9433	0.332	ug/L	94
34) Trichloroethene	5.96	95	2688	0.169	ug/L	82
37) 1,2-Dichloropropane	6.22	63	5623	0.367	ug/L #	94
39) cis-1,3-Dichloropropene	7.03	75	1833	0.092	ug/L #	52
45) 1,1,2-Trichloroethane	8.02	97	51478	5.310	ug/L #	1
47) Tetrachloroethene	8.02	164	5142921	448.293	ug/L	96
48) 2-Hexanone	8.18	43	6609	1.059	ug/L #	55
49) Dibromochloromethane	8.02	129	5006731	443.605	ug/L #	10

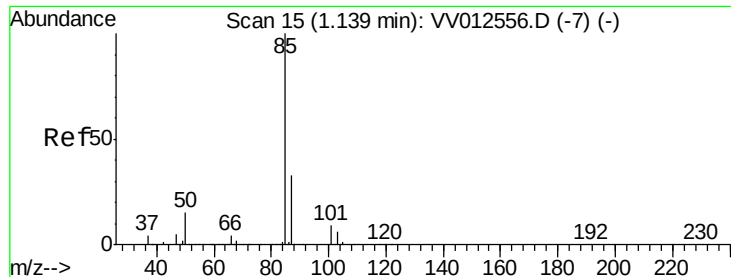
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.357 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

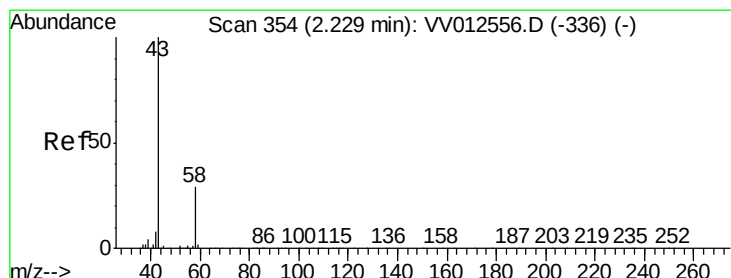
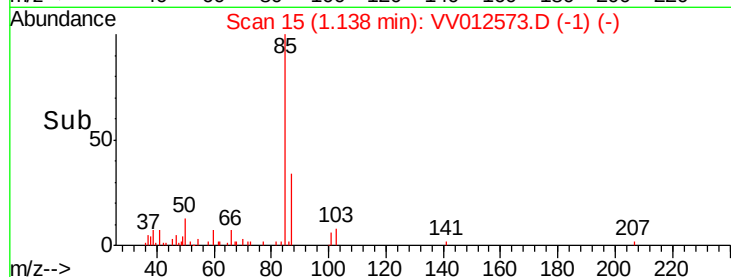
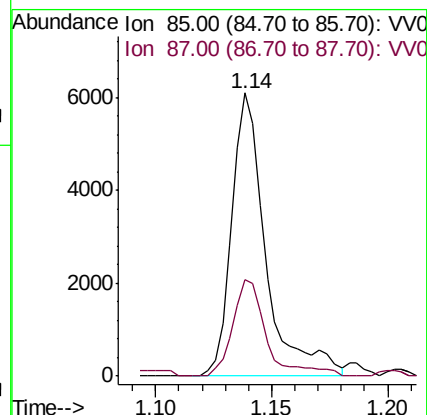
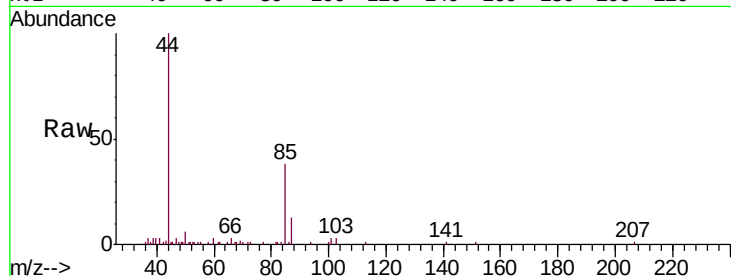
BFD77

Tgt Ion: 85 Resp: 6227

Ion Ratio Lower Upper

85 100

87 33.5 26.4 39.6



#13

Acetone

Concen: 3.319 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012573.D

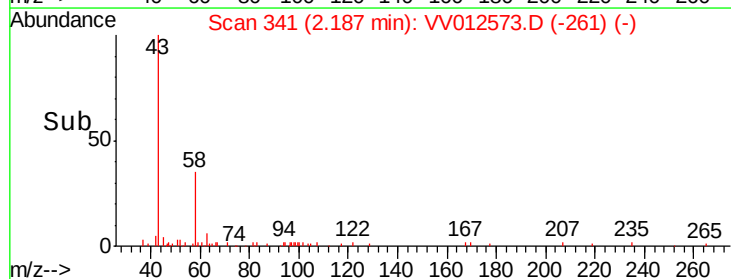
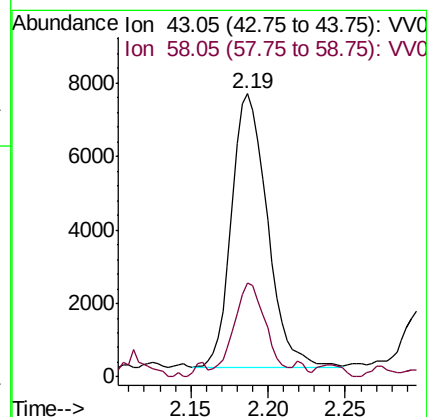
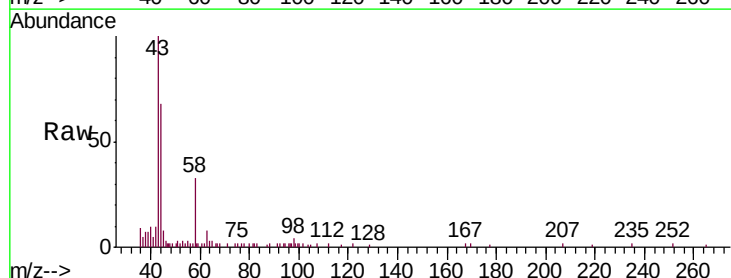
Acq: 04 Sep 2019 17:58

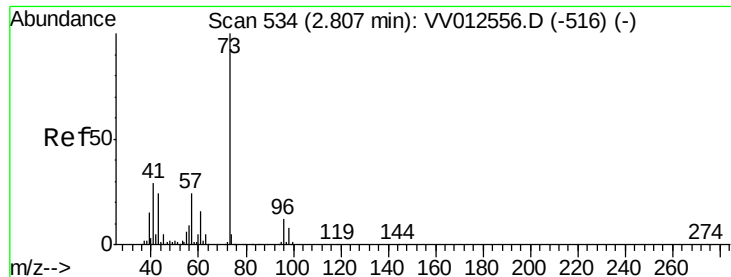
Tgt Ion: 43 Resp: 11872

Ion Ratio Lower Upper

43 100

58 29.6 0.0 58.2

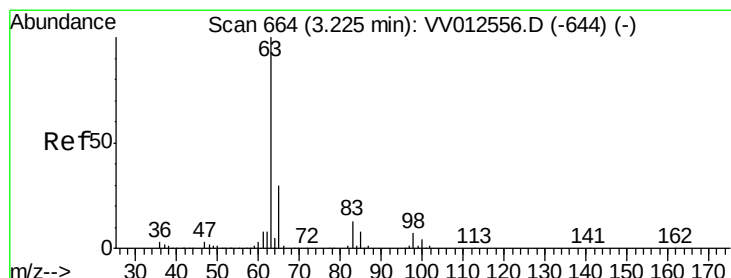
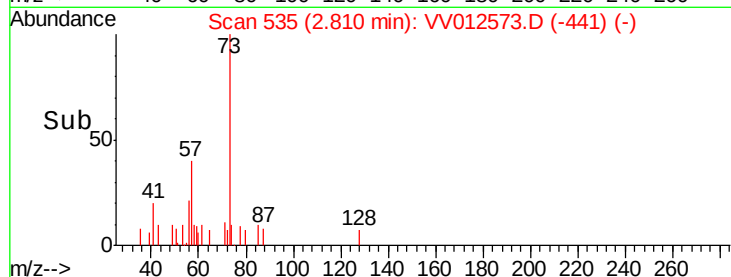
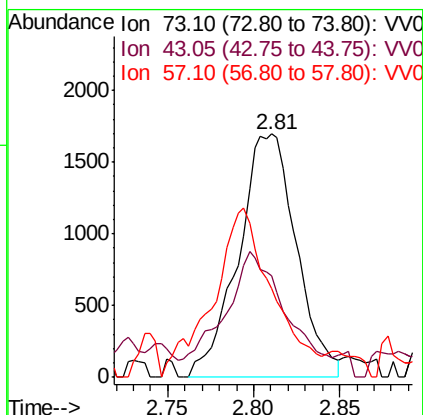
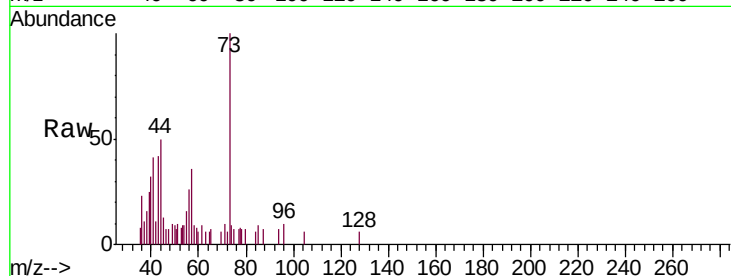




#17
Methyl tert-butyl Ether
Concen: 0.133 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012573.D
Acq: 04 Sep 2019 17:58

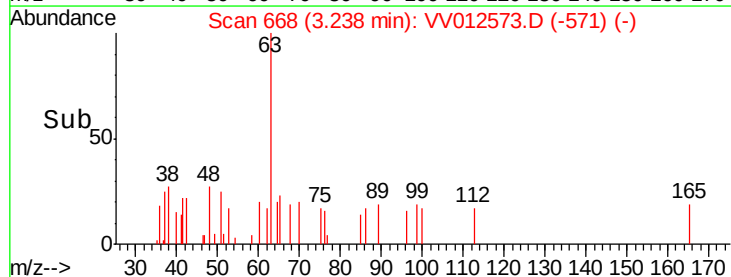
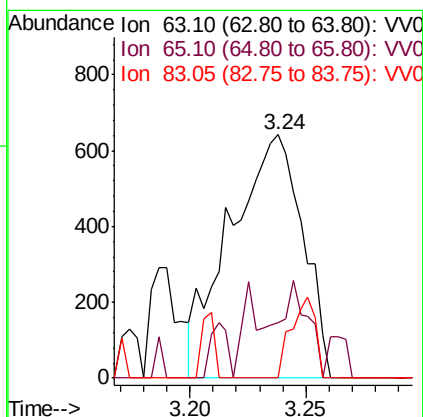
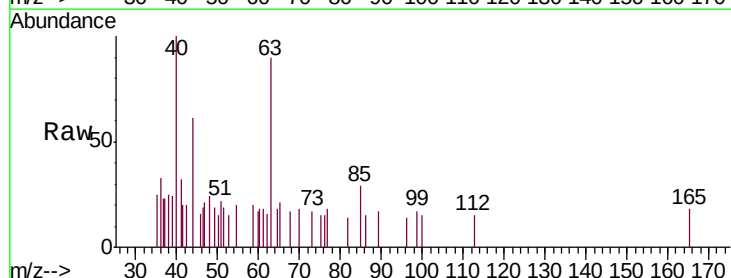
Instrument :
MSVOA_V
ClientSampleId :
BFD77

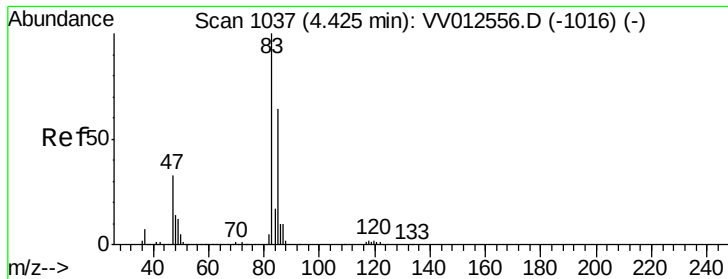
Tgt Ion: 73 Resp: 3978
Ion Ratio Lower Upper
73 100
43 41.4 18.9 28.3#
57 71.9 18.3 27.5#



#19
1,1-Dichloroethane
Concen: 0.052 ug/L
RT: 3.24 min Scan# 668
Delta R.T. 0.01 min
Lab File: VV012573.D
Acq: 04 Sep 2019 17:58

Tgt Ion: 63 Resp: 1399
Ion Ratio Lower Upper
63 100
65 22.9 21.5 39.9
83 0.0 9.1 16.9#





#25

Chloroform

Concen: 0.332 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV012573.D

Acq: 04 Sep 2019 17:58

Instrument :

MSVOA_V

ClientSampled :

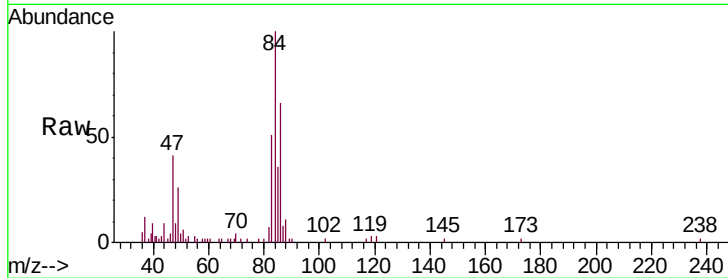
BFD77

Tgt Ion: 83 Resp: 9433

Ion Ratio Lower Upper

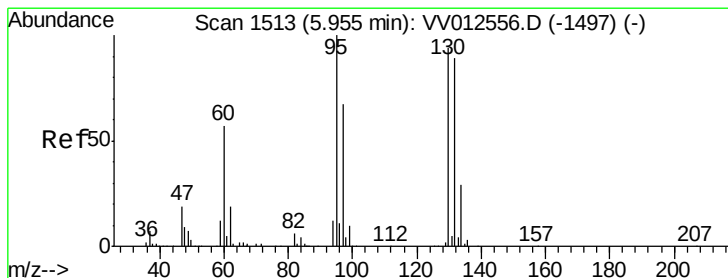
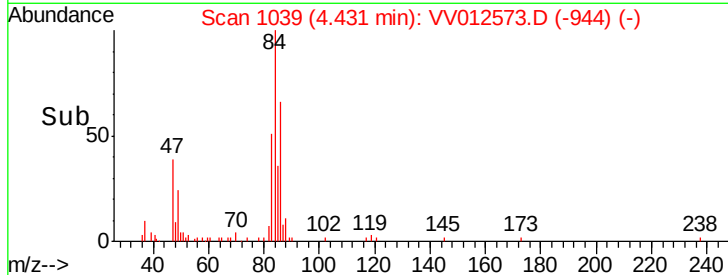
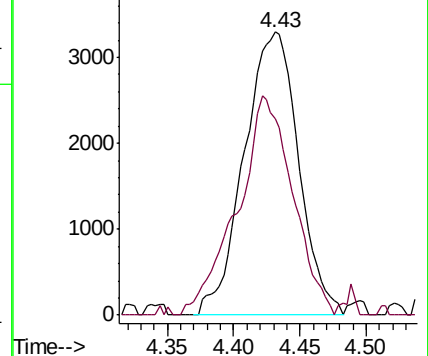
83 100

85 69.5 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VV012556.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VV012556.D (-1016) (-)



#34

Trichloroethene

Concen: 0.169 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012573.D

Acq: 04 Sep 2019 17:58

Tgt Ion: 95 Resp: 2688

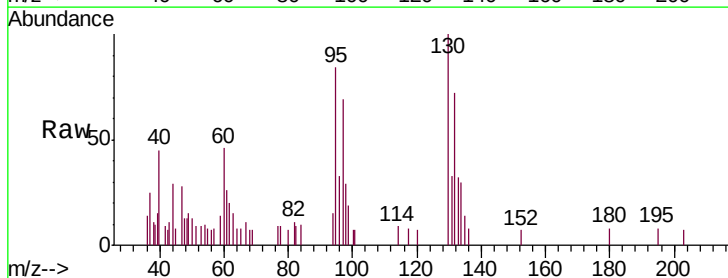
Ion Ratio Lower Upper

95 100

97 82.1 44.7 83.1

132 85.0 63.8 118.4

130 118.8 66.6 123.6

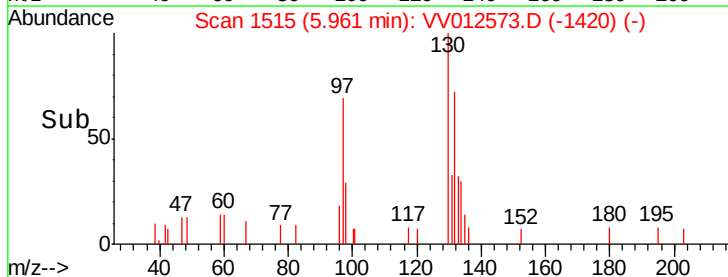
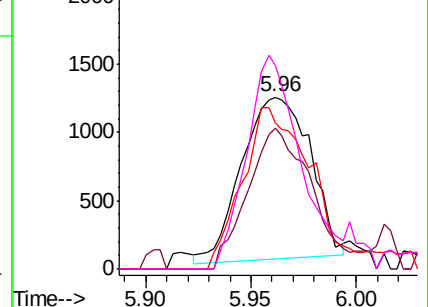


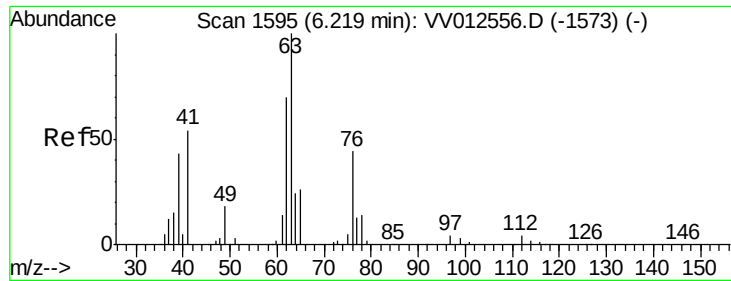
Abundance Ion 95.00 (94.70 to 95.70): VV012556.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV012556.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV012556.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV012556.D (-1497) (-)

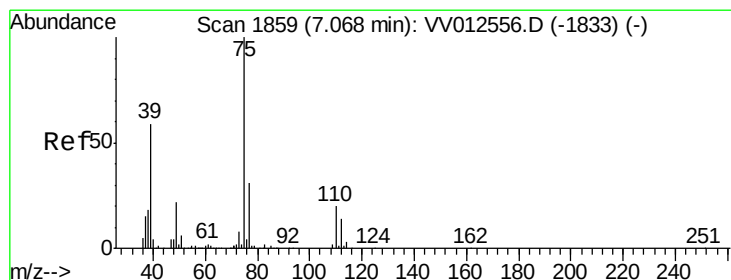
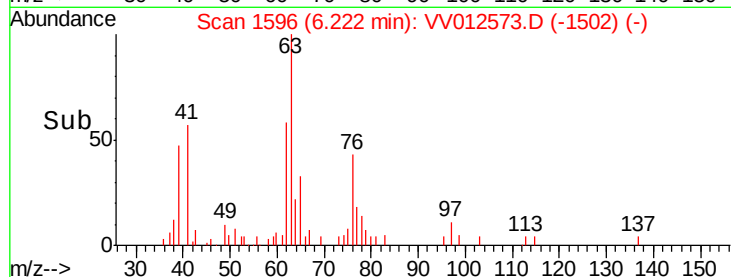
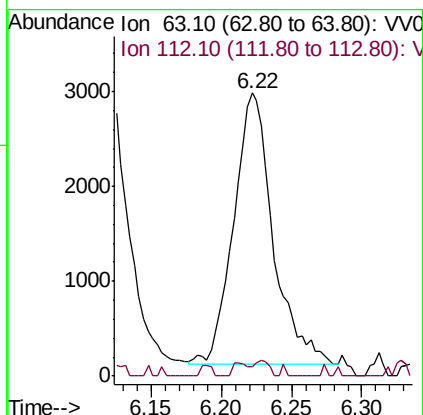
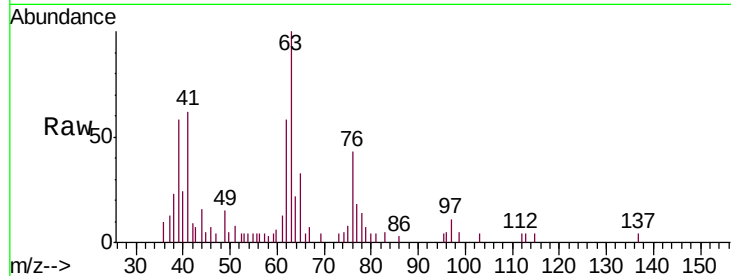




#37
 1,2-Dichloropropane
 Concen: 0.367 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012573.D
 Acq: 04 Sep 2019 17:58

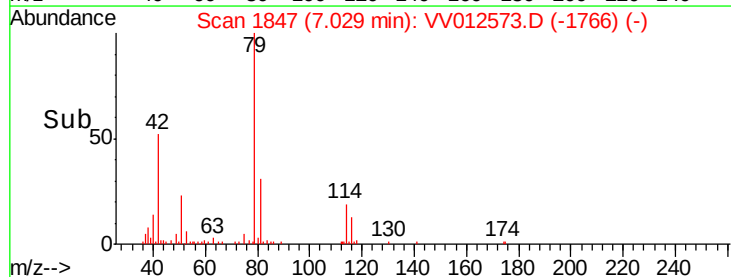
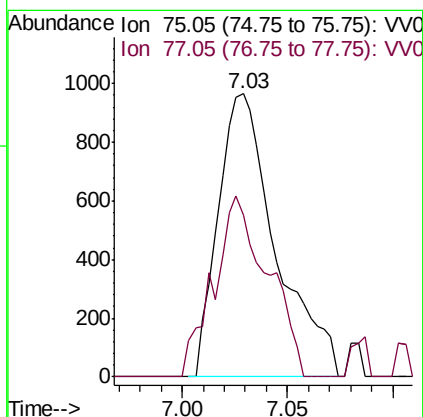
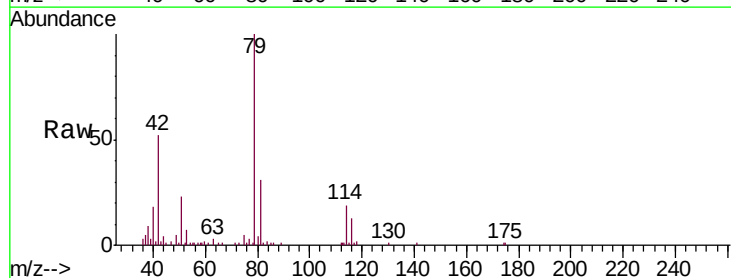
Instrument :
 MSVOA_V
 ClientSampled :
 BFD77

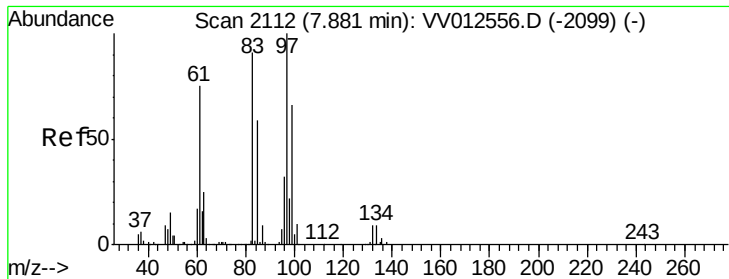
Tgt Ion: 63 Resp: 5623
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012573.D
 Acq: 04 Sep 2019 17:58

Tgt Ion: 75 Resp: 1833
 Ion Ratio Lower Upper
 75 100
 77 57.2 21.6 40.0#





#45

1,1,2-Trichloroethane

Concen: 5.310 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.14 min

Lab File: VV012573.D

Acq: 04 Sep 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

BFD77

Tgt Ion: 97 Resp: 51478

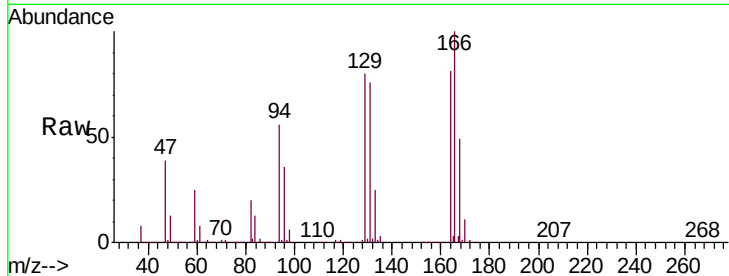
Ion Ratio Lower Upper

97 100

99 15.7 44.1 81.9#

83 263.8 62.7 116.5#

85 42.7 42.6 79.0

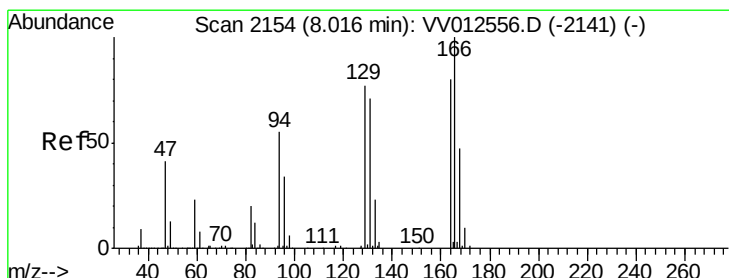
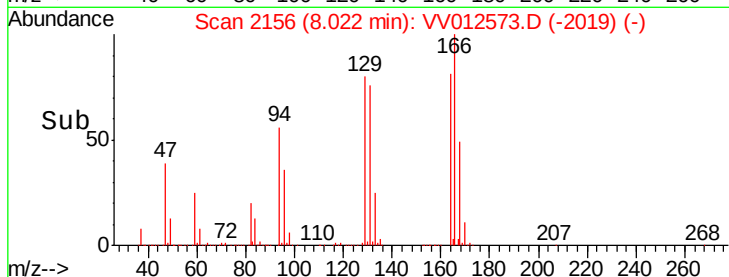
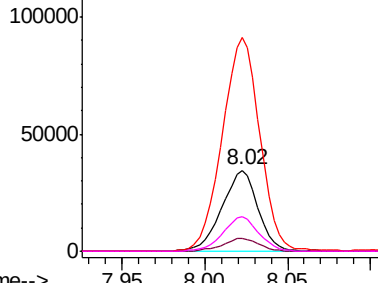


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 448.293 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV012573.D

Acq: 04 Sep 2019 17:58

Tgt Ion:164 Resp: 5142921

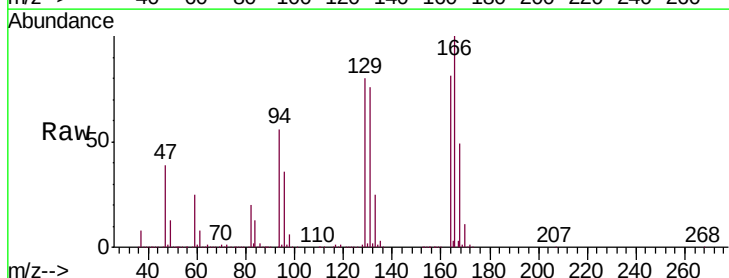
Ion Ratio Lower Upper

164 100

129 98.9 64.5 119.9

131 94.6 62.3 115.7

166 123.7 86.5 160.6

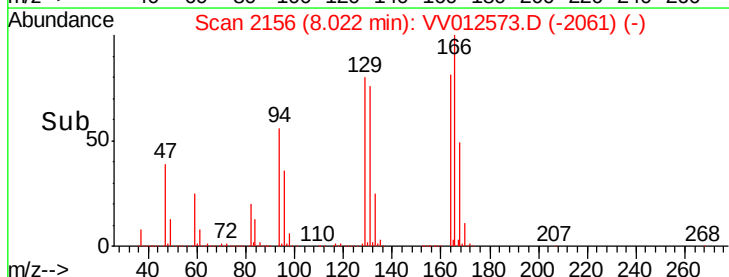
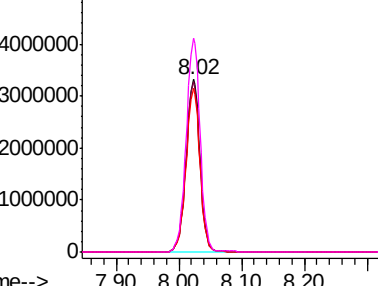


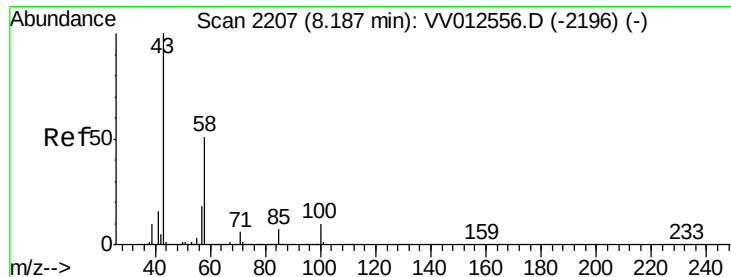
Abundance Ion 163.90 (163.60 to 164.60): V

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

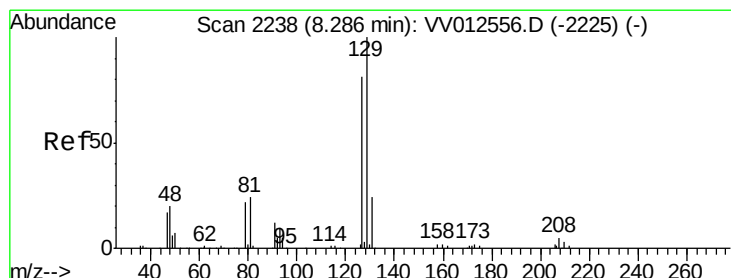
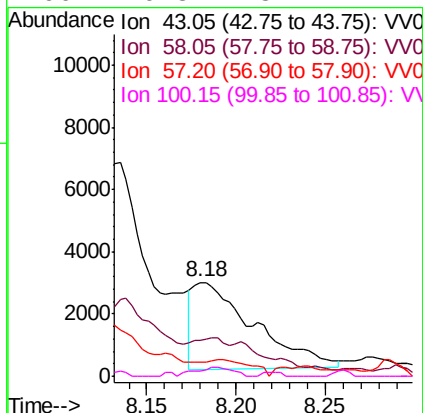
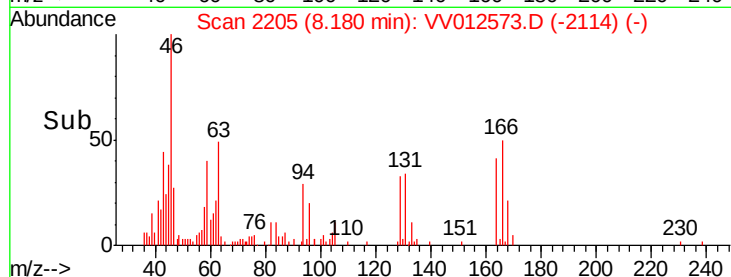
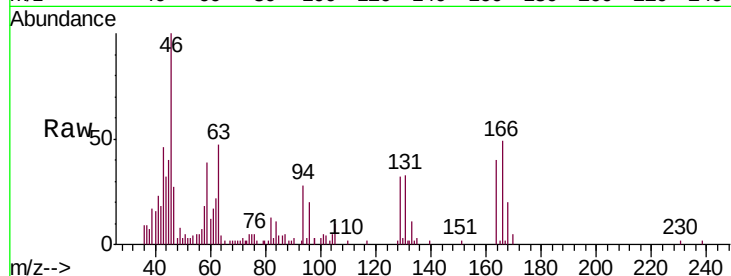




#48
2-Hexanone
Concen: 1.059 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012573.D
Acq: 04 Sep 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
BFD77

Tgt Ion: 43 Resp: 6609
Ion Ratio Lower Upper
43 100
58 5.9 40.0 60.0#
57 12.3 13.4 20.2#
100 6.3 8.2 12.2#



#49
Dibromochloromethane
Concen: 443.605 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.26 min
Lab File: VV012573.D
Acq: 04 Sep 2019 17:58

Tgt Ion: 129 Resp: 5006731
Ion Ratio Lower Upper
129 100
127 0.0 54.9 102.1#

