

Data File : VV012571.D
Acq On : 04 Sep 2019 16:38
Operator : SY/MD
Sample : K4685-06
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD75

Quant Time: Sep 05 01:31:27 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	130879	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46793	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51721	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.58	69	60903	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	114785	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.96	46	141064	58.24	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.48%
24) Chloroform-d	4.40	84	92826	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	52793	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.10	84	168432	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	58489	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	135056	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.67	79	17826	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.14	63	81890	51.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41334	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	44839	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	2588	0.154 ug/L	98
12) 1,1-Dichloroethene	2.14	96	37124	2.193 ug/L #	67
13) Acetone	2.21	43	9046	2.632 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	9190	0.320 ug/L	95
19) 1,1-Dichloroethane	3.23	63	4047	0.155 ug/L #	77
22) cis-1,2-Dichloroethene	3.96	96	3011	0.215 ug/L	100
25) Chloroform	4.43	83	5555	0.203 ug/L	99
27) 1,2-Dichloroethane	5.19	62	1706	0.107 ug/L #	87
29) 1,1,1-Trichloroethane	4.66	97	10736	0.493 ug/L #	89
34) Trichloroethene	5.96	95	382880	25.606 ug/L	99
35) Methylcyclohexane	6.12	83	14353	0.632 ug/L #	17
44) trans-1,3-Dichloropropene	7.67	75	1308	0.088 ug/L #	68
45) 1,1,2-Trichloroethane	7.88	97	1035	0.113 ug/L	78
47) Tetrachloroethene	8.02	164	129239	11.961 ug/L	96
48) 2-Hexanone	8.14	43	13090	2.226 ug/L #	80
49) Dibromochloromethane	8.02	129	118639	11.161 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090419\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

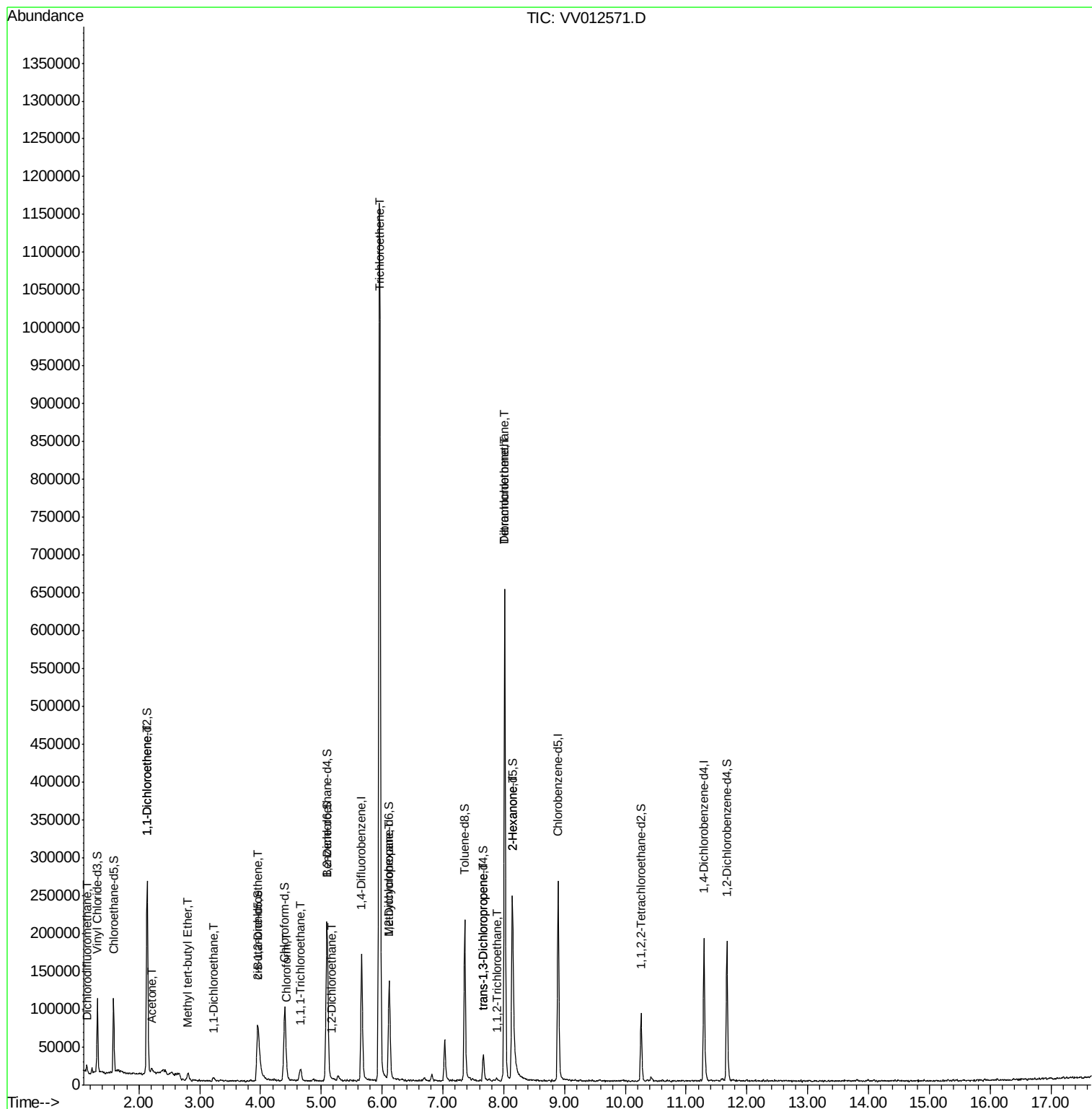
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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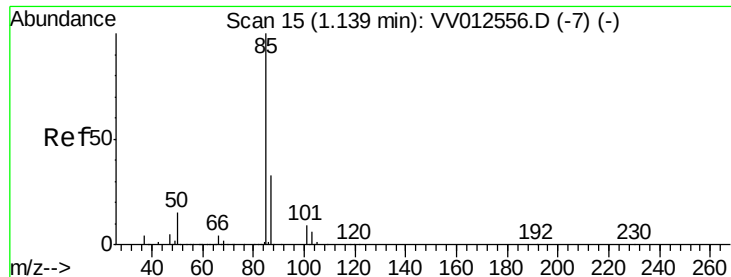
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.154 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :

MSVOA_V

ClientSampled :

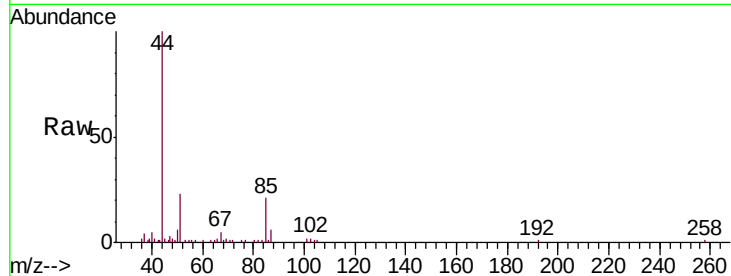
BFD75

Tgt Ion: 85 Resp: 2588

Ion Ratio Lower Upper

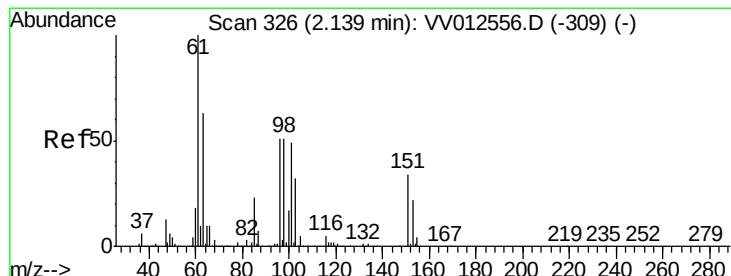
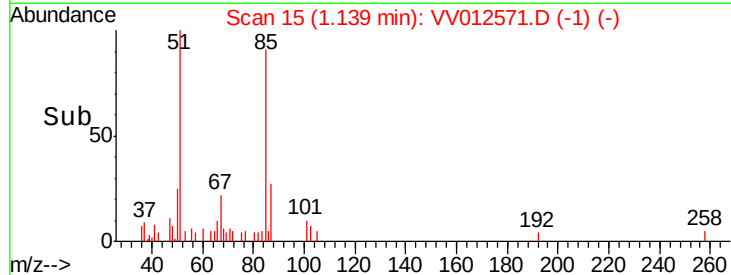
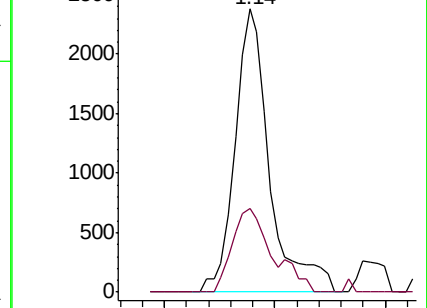
85 100

87 34.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 2.193 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

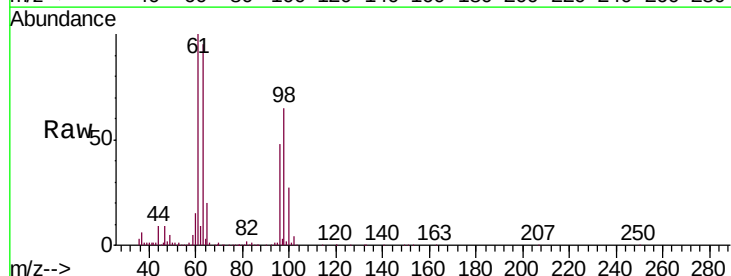
Tgt Ion: 96 Resp: 37124

Ion Ratio Lower Upper

96 100

61 206.5 133.7 248.3

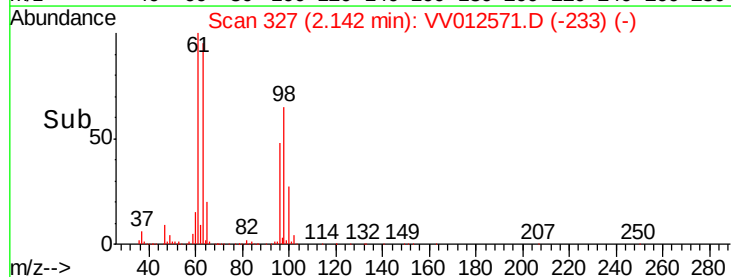
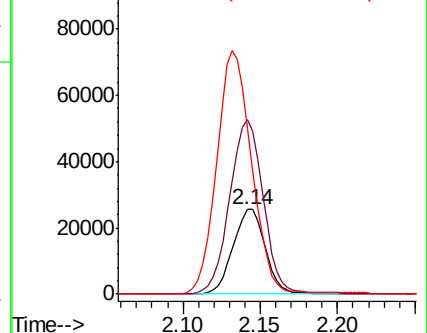
63 195.6 83.2 154.6#

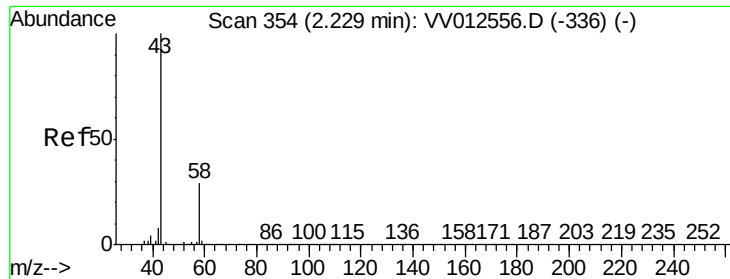


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.632 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :

MSVOA_V

ClientSampleId :

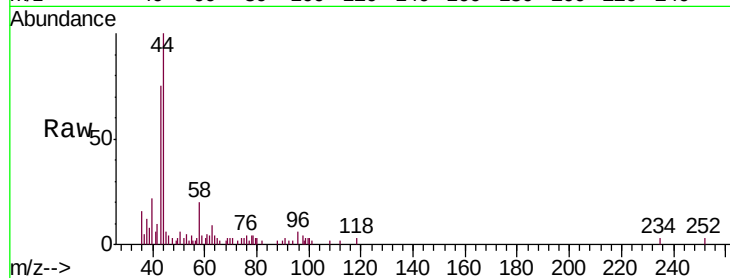
BFD75

Tgt Ion: 43 Resp: 9046

Ion Ratio Lower Upper

43 100

58 34.7 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

4000

3000

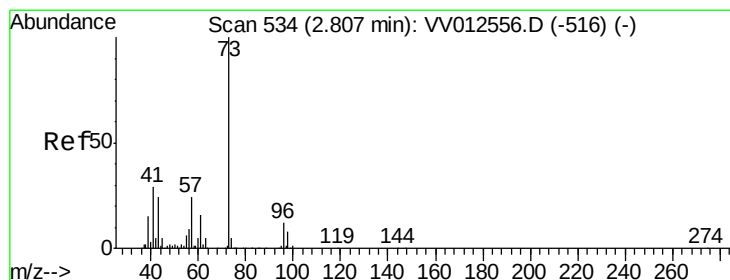
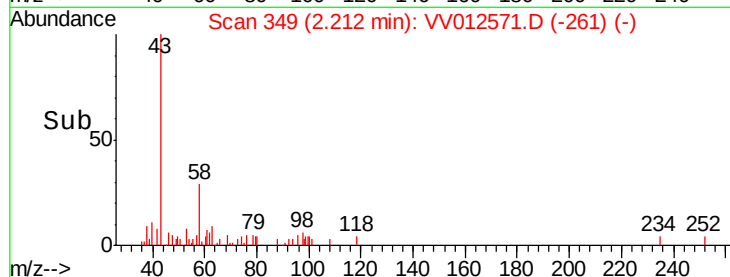
2000

1000

0

2.15 2.20 2.25 2.30

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.320 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

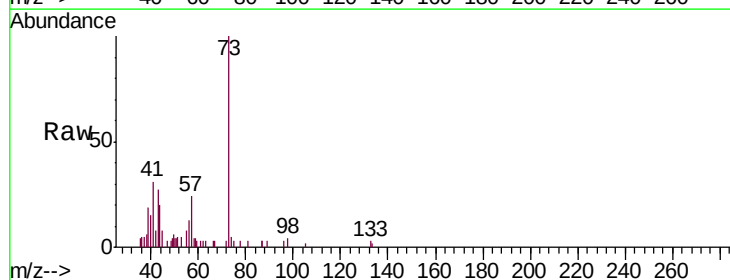
Tgt Ion: 73 Resp: 9190

Ion Ratio Lower Upper

73 100

43 20.6 18.9 28.3

57 25.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

5000

4000

3000

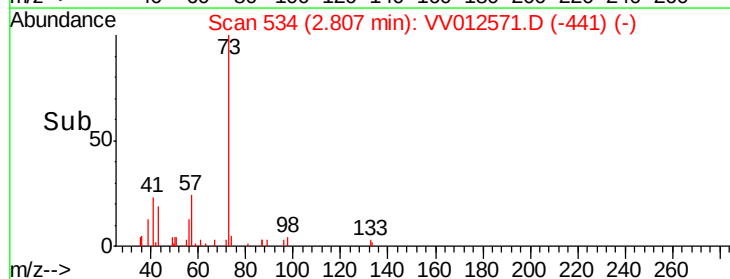
2000

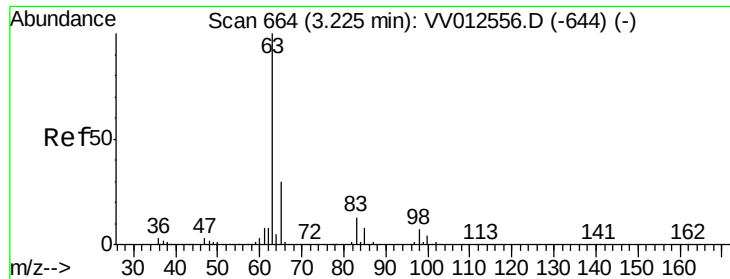
1000

0

2.75 2.80 2.85

Time-->

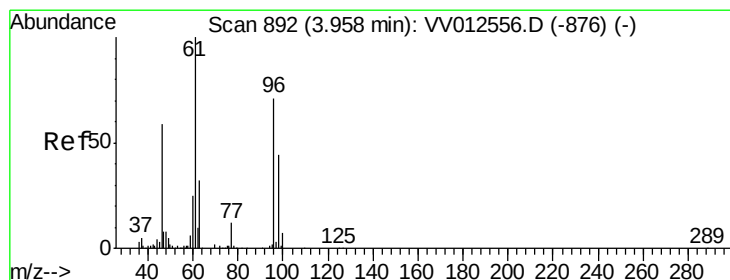
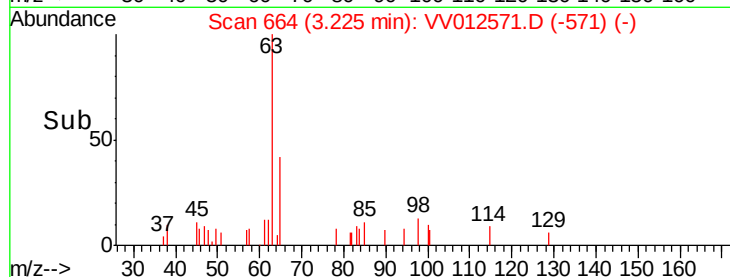
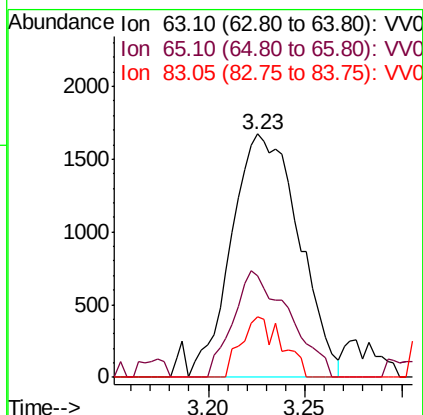
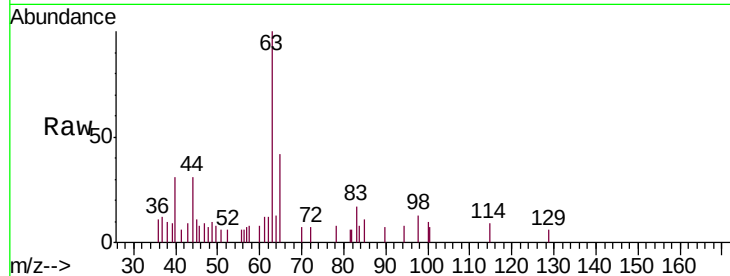




#19
 1,1-Dichloroethane
 Concen: 0.155 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

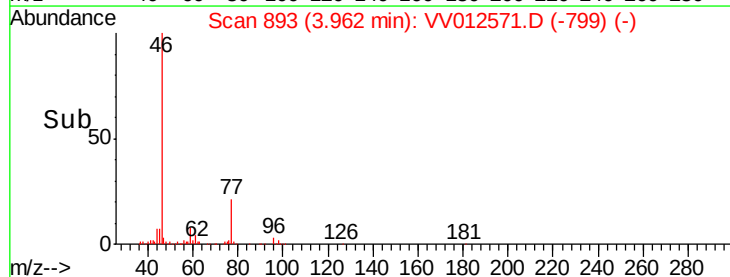
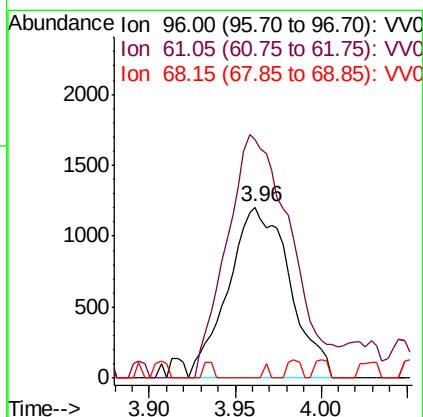
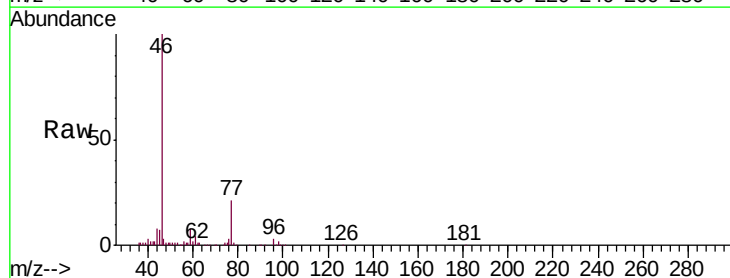
Instrument :
 MSVOA_V
 ClientSampleId :
 BFD75

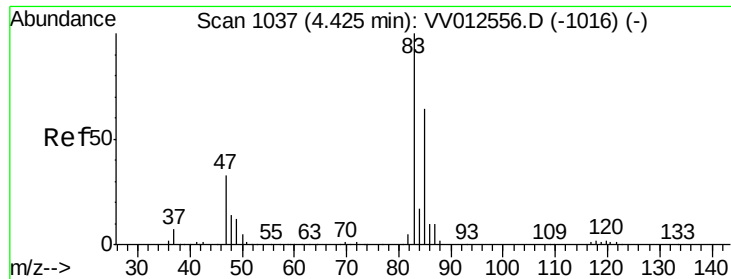
Tgt Ion: 63 Resp: 4047
 Ion Ratio Lower Upper
 63 100
 65 41.7 21.5 39.9#
 83 24.8 9.1 16.9#



#22
 cis-1,2-Dichloroethene
 Concen: 0.215 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

Tgt Ion: 96 Resp: 3011
 Ion Ratio Lower Upper
 96 100
 61 138.9 97.5 181.1
 68 0.0 0.0 0.0

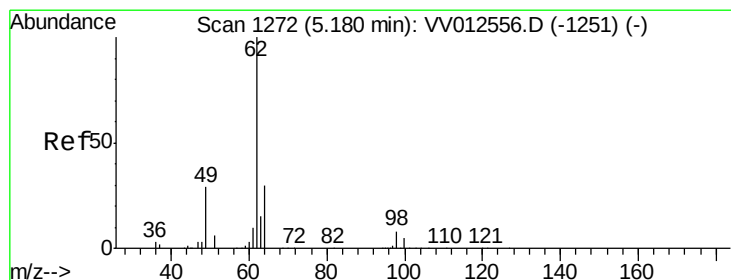
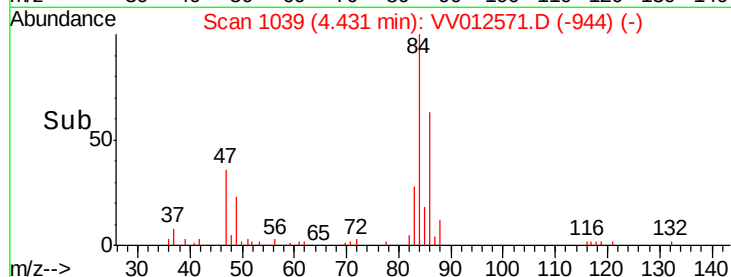
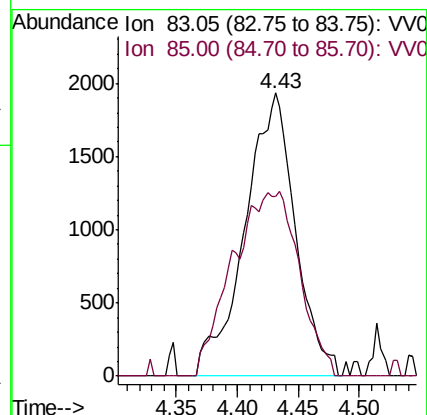
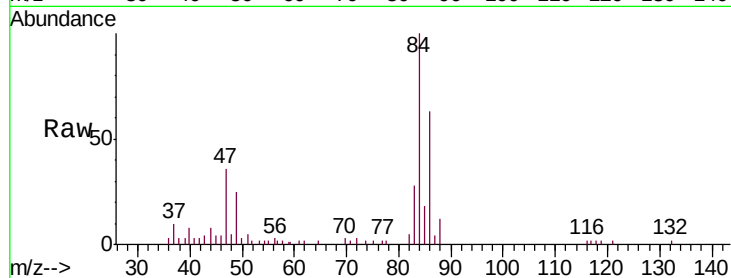




#25
Chloroform
Concen: 0.203 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

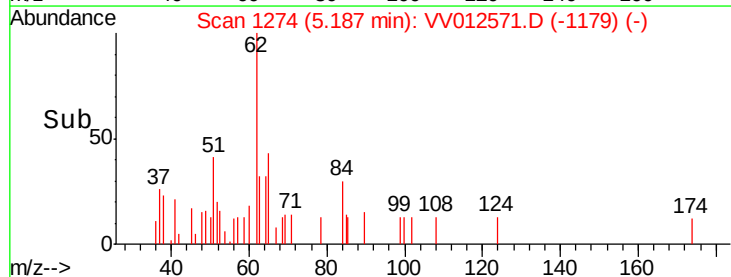
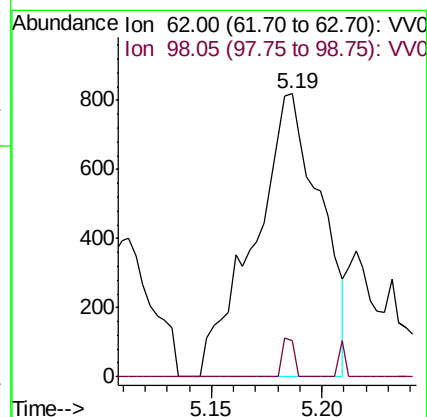
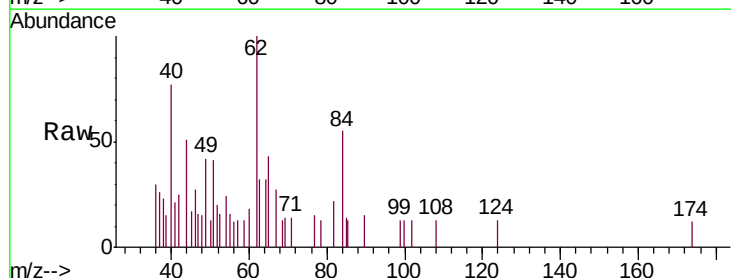
Instrument :
MSVOA_V
ClientSampled :
BFD75

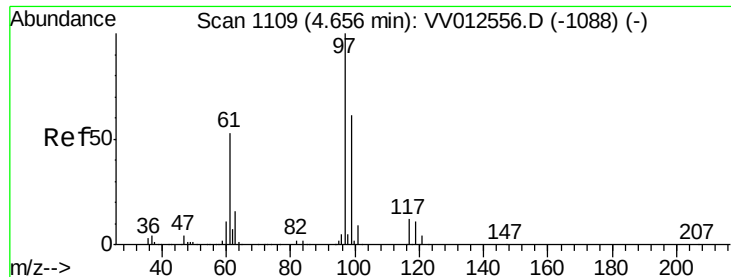
Tgt Ion: 83 Resp: 5555
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.107 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Tgt Ion: 62 Resp: 1706
Ion Ratio Lower Upper
62 100
98 12.9 6.7 10.1#

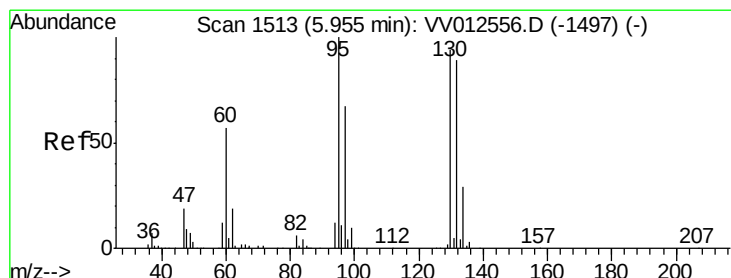
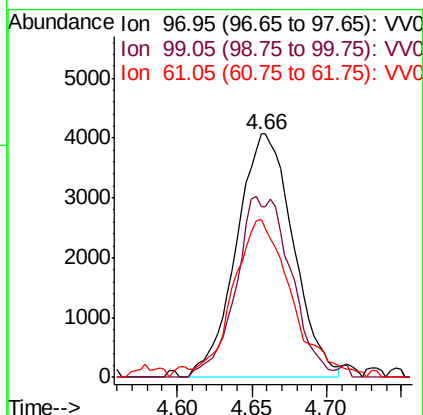
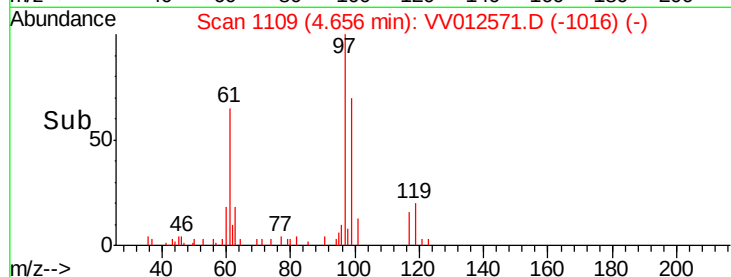
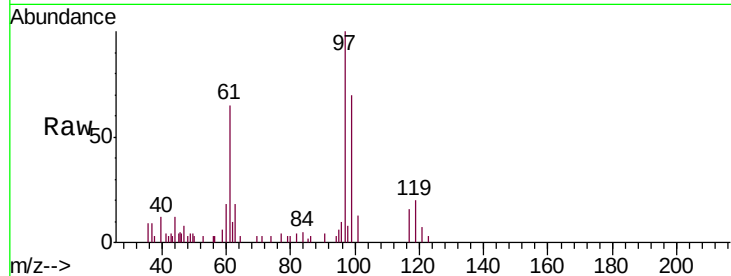




#29
 1,1,1-Trichloroethane
 Concen: 0.493 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

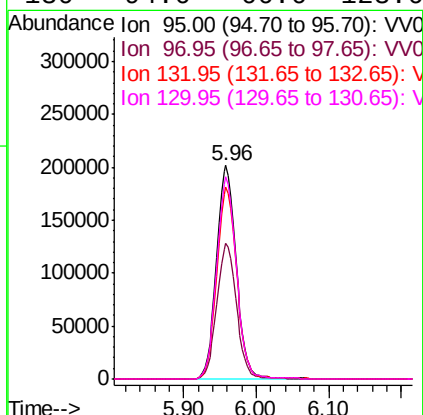
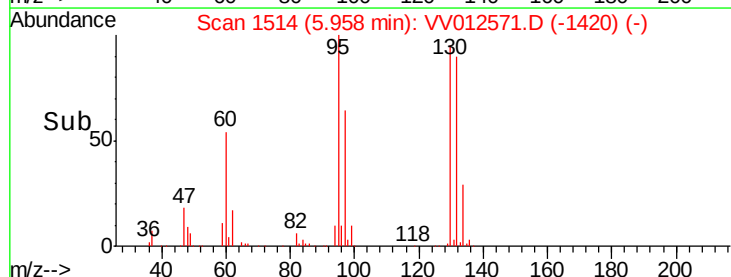
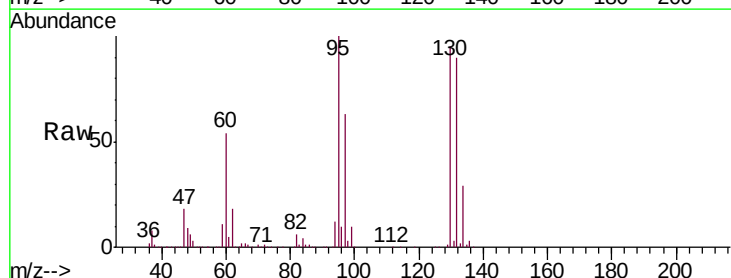
Instrument :
 MSVOA_V
 ClientSampled :
 BFD75

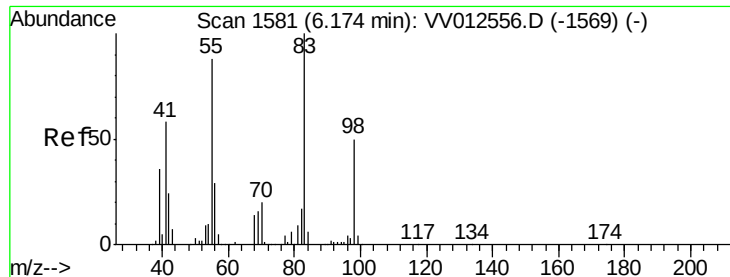
Tgt Ion: 97 Resp: 10736
 Ion Ratio Lower Upper
 97 100
 99 71.4 52.6 79.0
 61 66.2 43.4 65.2#



#34
 Trichloroethene
 Concen: 25.606 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

Tgt Ion: 95 Resp: 382880
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.7 83.1
 132 89.7 63.8 118.4
 130 94.6 66.6 123.6

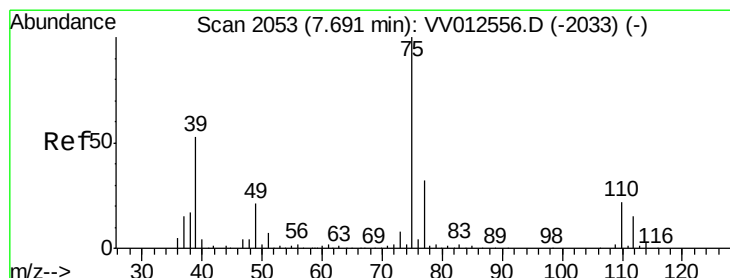
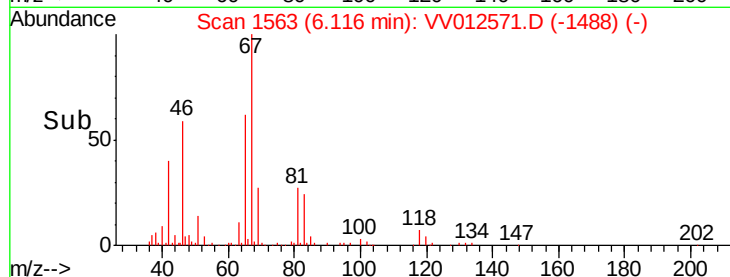
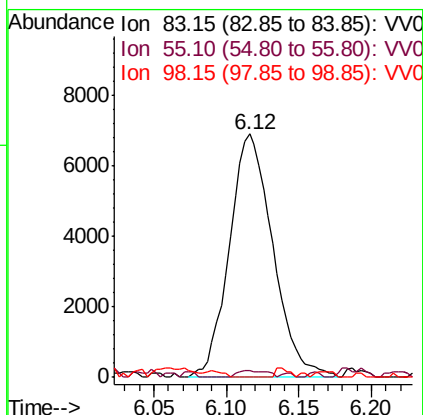
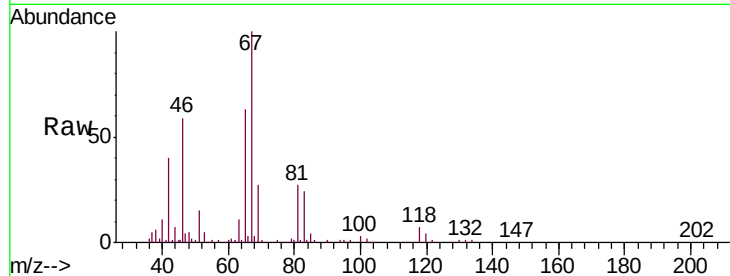




#35
Methylcyclohexane
Concen: 0.632 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

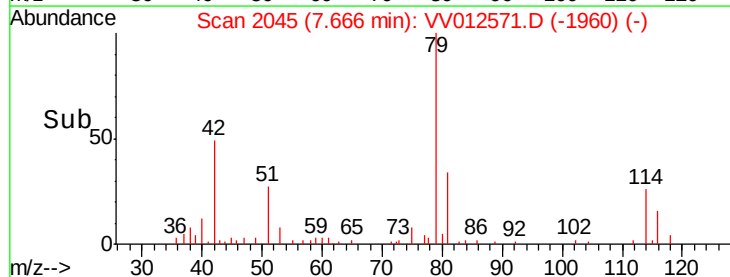
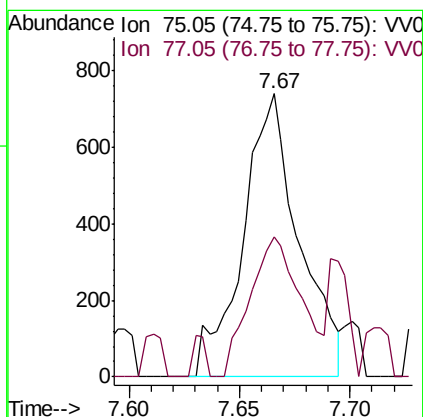
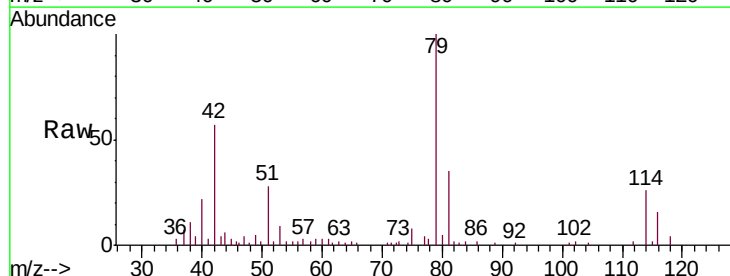
Instrument :
MSVOA_V
ClientSampleId :
BFD75

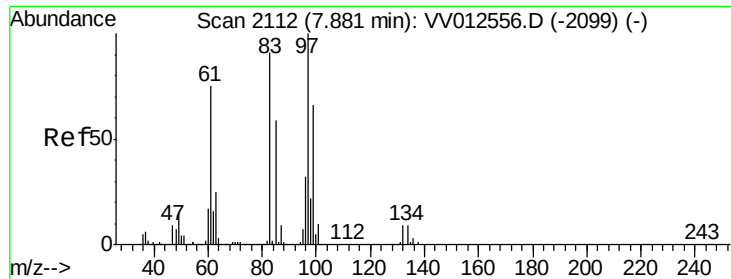
Tgt Ion: 83 Resp: 14353
Ion Ratio Lower Upper
83 100
55 1.9 67.3 100.9#
98 0.0 37.4 56.2#



#44
trans-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Tgt Ion: 75 Resp: 1308
Ion Ratio Lower Upper
75 100
77 49.6 22.2 41.2#

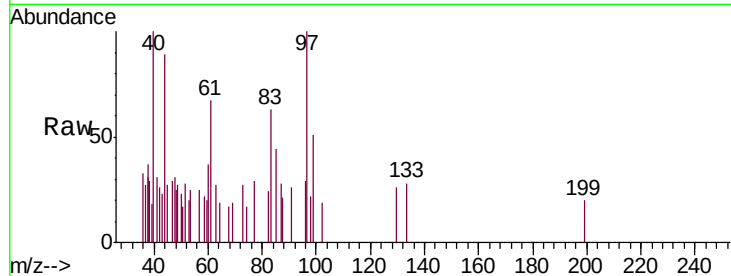




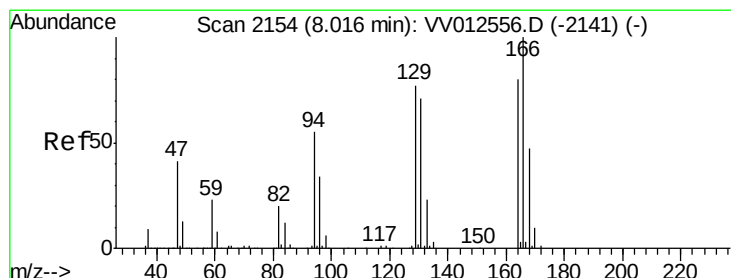
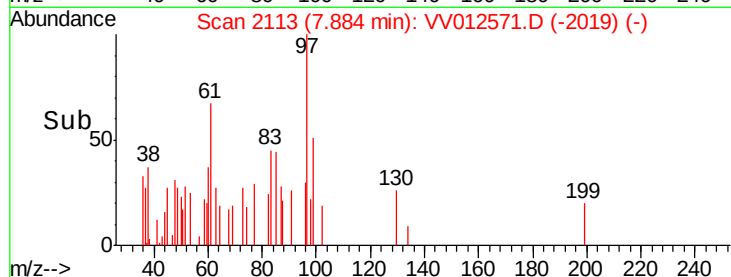
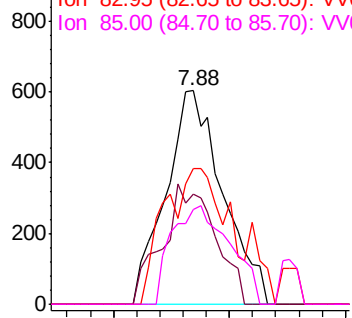
#45
1,1,2-Trichloroethane
Concen: 0.113 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Instrument :
MSVOA_V
ClientSampleId :
BFD75

Tgt Ion:	97	Resp:	1035
Ion	Ratio	Lower	Upper
97	100		
99	51.3	44.1	81.9
83	63.4	62.7	116.5
85	44.2	42.6	79.0

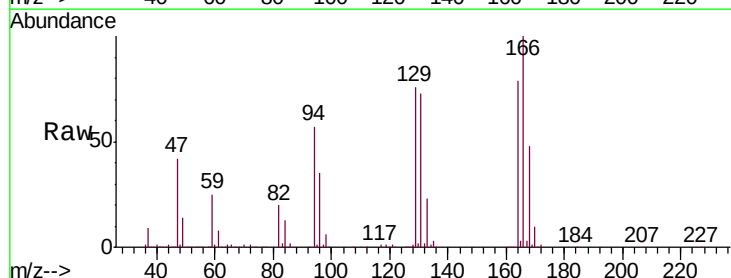


Abundance Ion 96.95 (96.65 to 97.65): VV012556.D (-2099) (-)
Ion 99.05 (98.75 to 99.75): VV012556.D (-2099) (-)
Ion 82.95 (82.65 to 83.65): VV012556.D (-2099) (-)
Ion 85.00 (84.70 to 85.70): VV012556.D (-2099) (-)

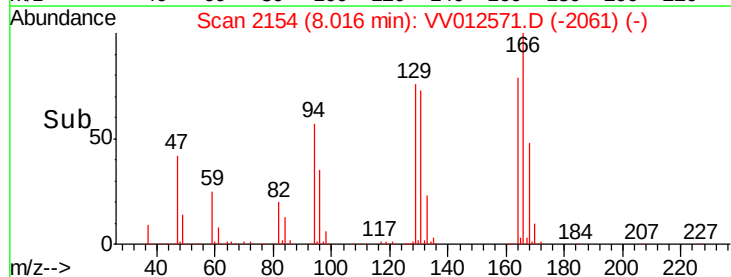
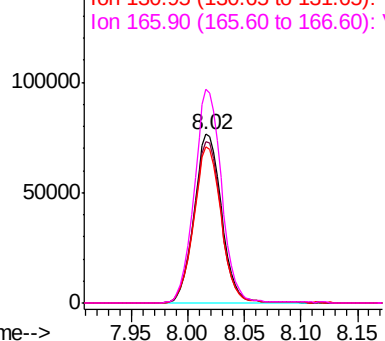


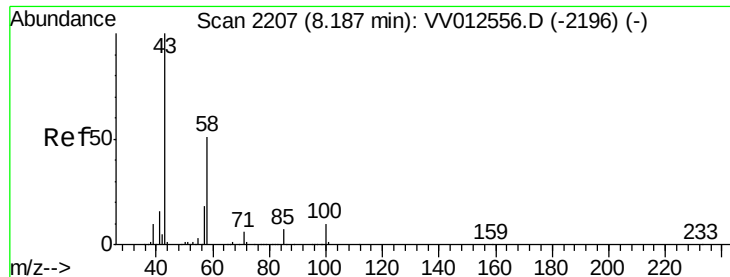
#47
Tetrachloroethene
Concen: 11.961 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Tgt Ion:	164	Resp:	129239
Ion	Ratio	Lower	Upper
164	100		
129	95.9	64.5	119.9
131	93.0	62.3	115.7
166	126.7	86.5	160.6



Abundance Ion 163.90 (163.60 to 164.60): VV012556.D (-2141) (-)
Ion 128.95 (128.65 to 129.65): VV012556.D (-2141) (-)
Ion 130.95 (130.65 to 131.65): VV012556.D (-2141) (-)
Ion 165.90 (165.60 to 166.60): VV012556.D (-2141) (-)

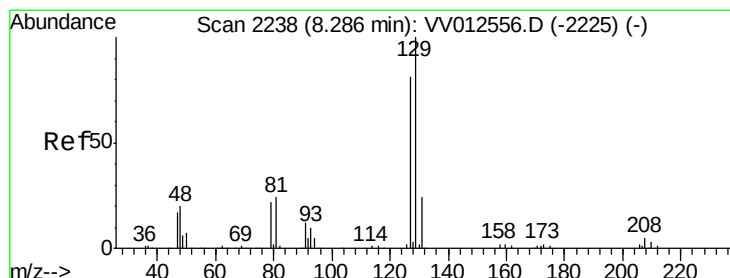
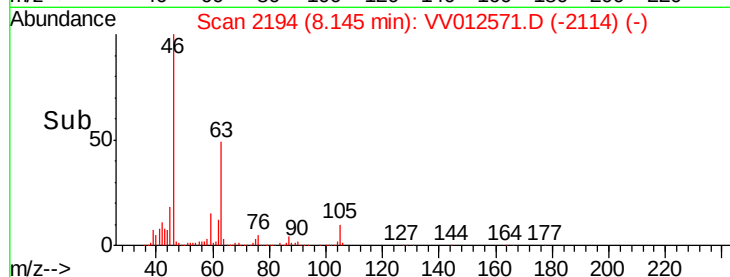
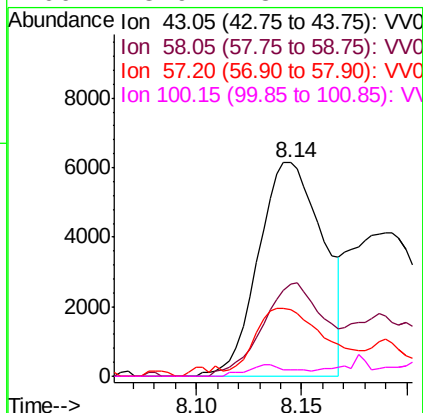
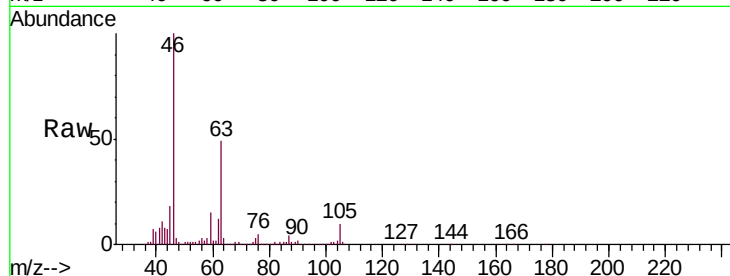




#48
2-Hexanone
Concen: 2.226 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. -0.04 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Instrument :
MSVOA_V
ClientSampleId :
BFD75

Tgt Ion: 43 Resp: 13090
Ion Ratio Lower Upper
43 100
58 41.0 40.0 60.0
57 34.7 13.4 20.2#
100 3.9 8.2 12.2#



#49
Dibromochloromethane
Concen: 11.161 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012571.D
Acq: 04 Sep 2019 16:38

Tgt Ion: 129 Resp: 118639
Ion Ratio Lower Upper
129 100
127 0.4 54.9 102.1#

