

Data File : VV012575.D
Acq On : 04 Sep 2019 18:51
Operator : SY/MD
Sample : K4685-10
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD79

Quant Time: Sep 05 01:32:24 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	5.66	114	69824	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	72963	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	22588	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26589	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.58	69	33675	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.13	63	49270	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	3.94	46	93742	72.54	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	145.08%#
24) Chloroform-d	4.40	84	44353	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.08	65	34565	6.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.80%
32) Benzene-d6	5.10	84	90741	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	32059	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	67524	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	7.66	79	10979	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	62257	70.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	140.90%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29741	6.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.20%#
64) 1,2-Dichlorobenzene-d4	11.67	152	23245	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

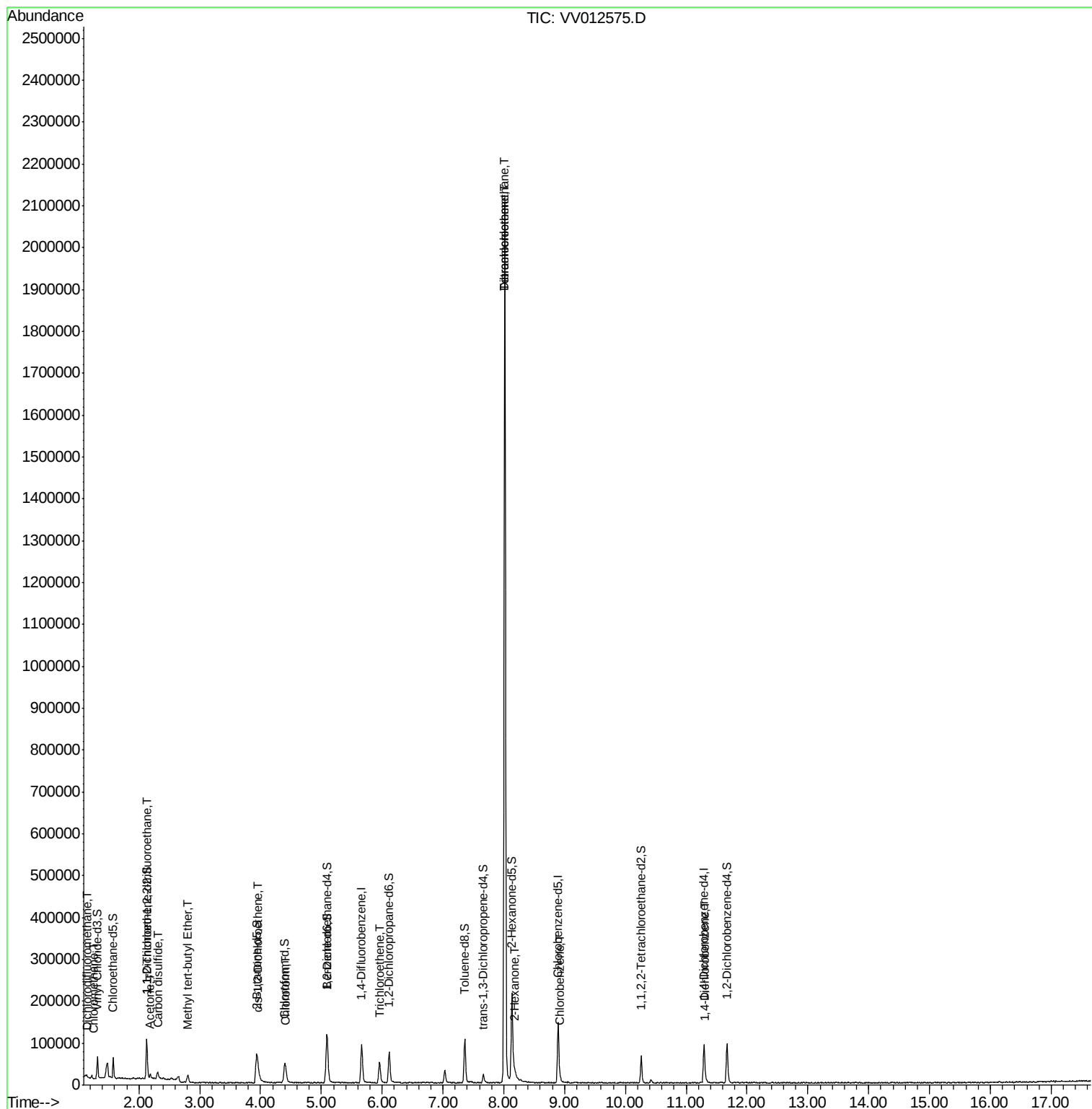
						Qvalue
2) Dichlorodifluoromethane	1.14	85	1621	0.181	ug/L #	70
3) Chloromethane	1.25	50	911	0.086	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	916	0.093	ug/L #	72
13) Acetone	2.19	43	9505	5.183	ug/L	95
14) Carbon disulfide	2.32	76	1742	0.060	ug/L #	43
17) Methyl tert-butyl Ether	2.80	73	15516	1.011	ug/L #	91
22) cis-1,2-Dichloroethene	3.96	96	2670	0.358	ug/L	88
25) Chloroform	4.43	83	8984	0.617	ug/L	99
34) Trichloroethene	5.96	95	15773	1.900	ug/L	98
47) Tetrachloroethene	8.02	164	416406	69.425	ug/L	96
48) 2-Hexanone	8.18	43	8167	2.502	ug/L #	83
49) Dibromochloromethane	8.02	129	386369	65.478	ug/L #	10
51) Chlorobenzene	8.93	112	5961	0.291	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	1493	0.149	ug/L	90

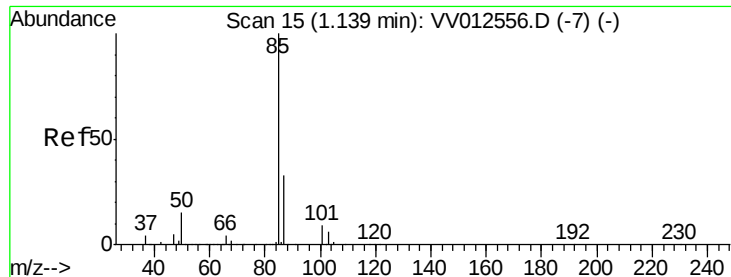
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.181 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_V

ClientSampleId :

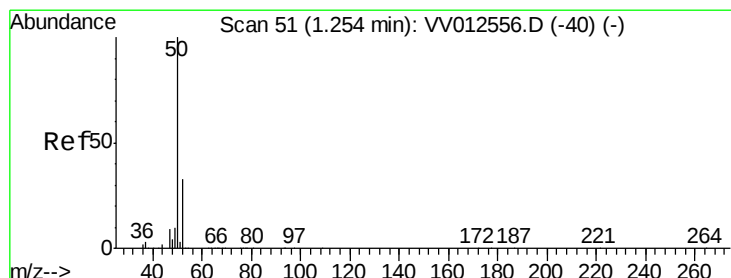
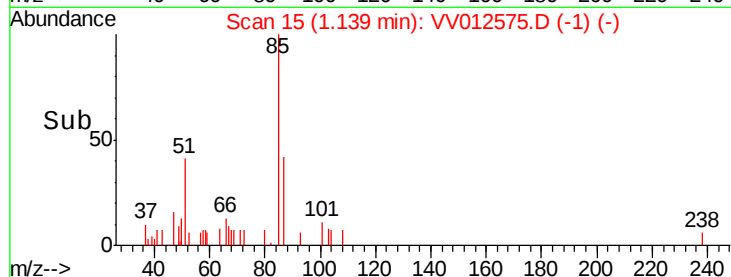
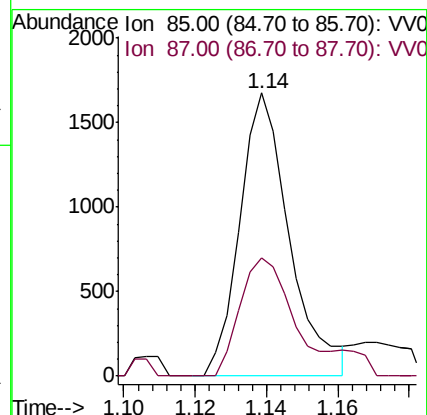
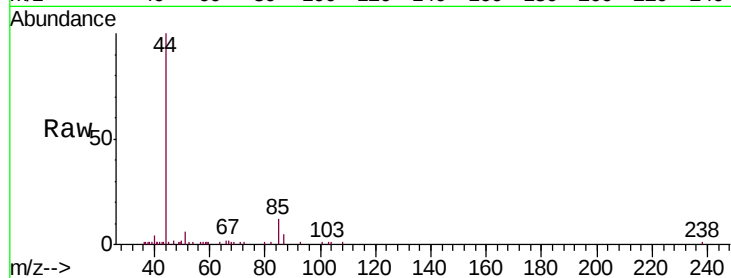
BFD79

Tgt Ion: 85 Resp: 1621

Ion Ratio Lower Upper

85 100

87 49.8 26.4 39.6#



#3

Chloromethane

Concen: 0.086 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012575.D

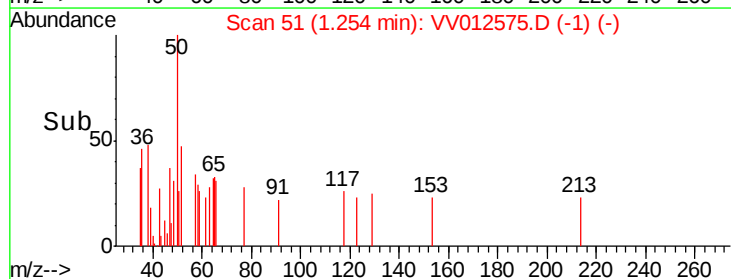
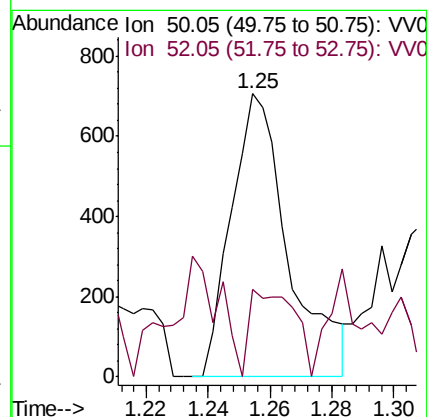
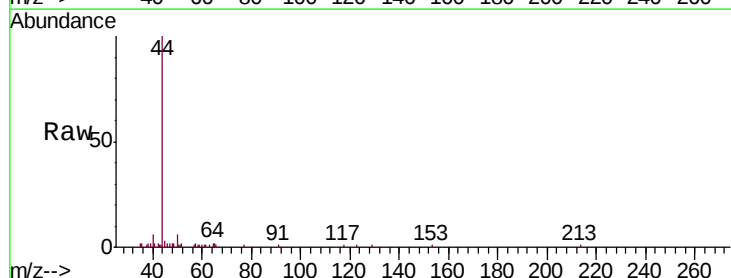
Acq: 04 Sep 2019 18:51

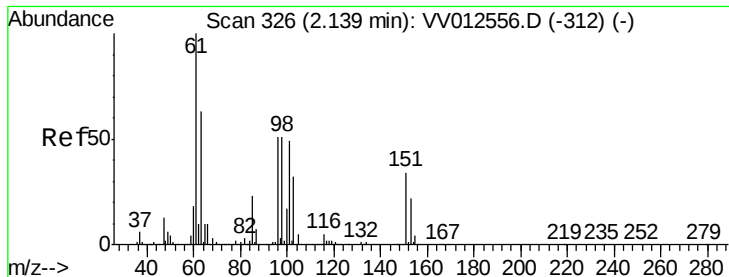
Tgt Ion: 50 Resp: 911

Ion Ratio Lower Upper

50 100

52 31.0 23.5 43.7





#10

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

Concen: 0.093 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_V

ClientSampleId :

BFD79

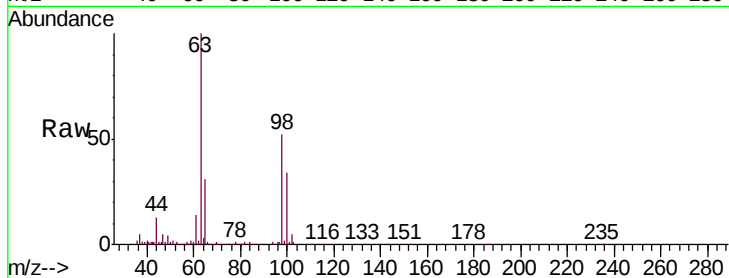
Tgt Ion:101 Resp: 916

Ion Ratio Lower Upper

101 100

85 46.0 37.4 56.0

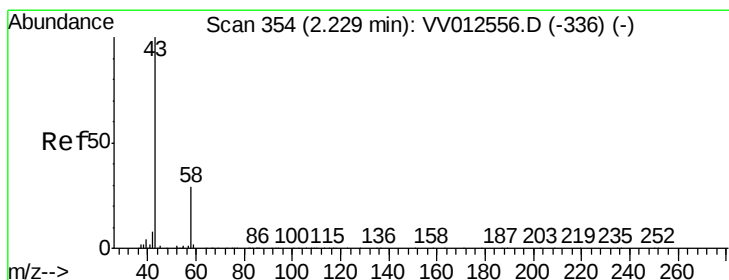
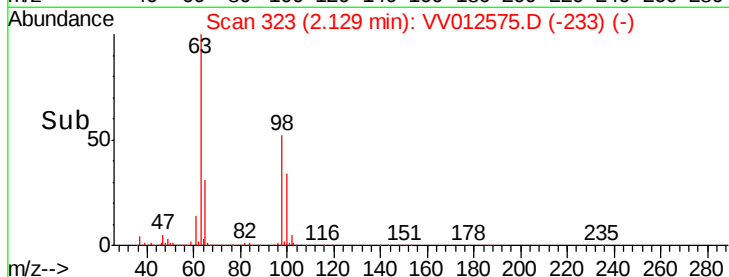
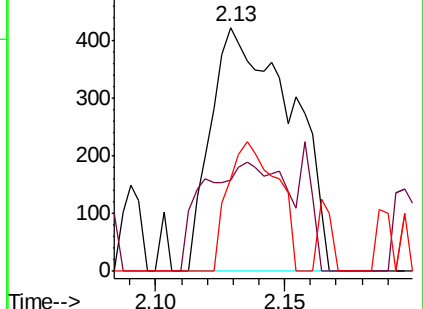
151 32.6 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 5.183 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012575.D

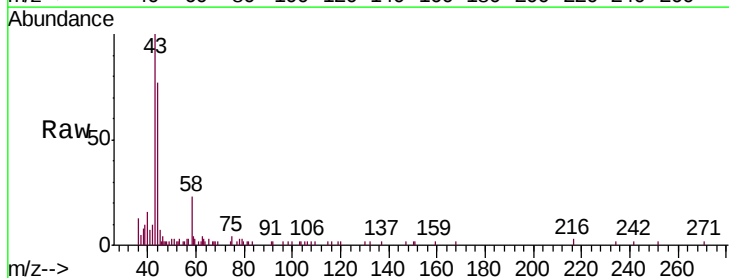
Acq: 04 Sep 2019 18:51

Tgt Ion: 43 Resp: 9505

Ion Ratio Lower Upper

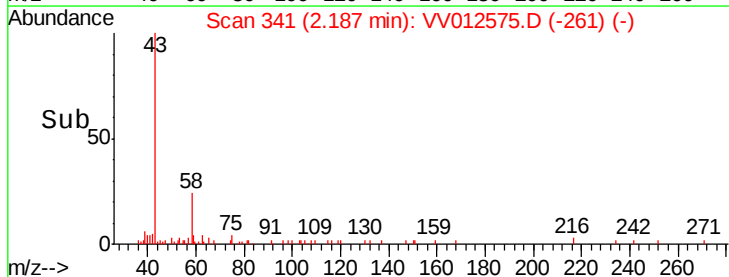
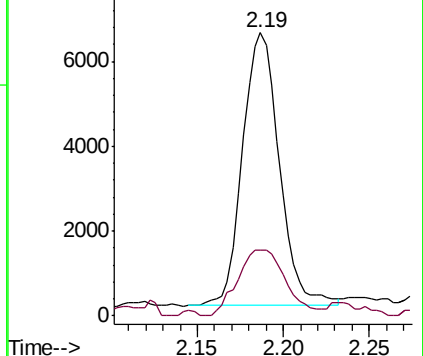
43 100

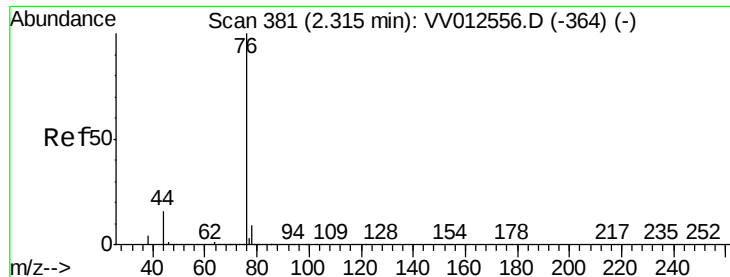
58 31.6 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.060 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_V

ClientSampled :

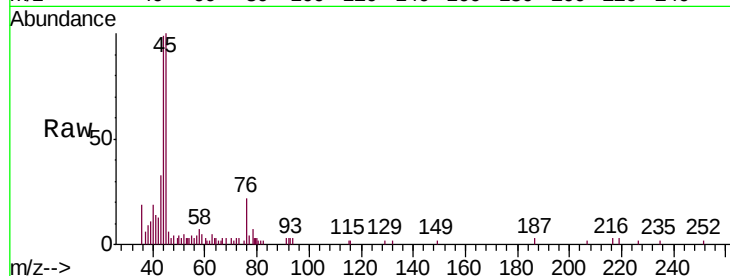
BFD79

Tgt Ion: 76 Resp: 1742

Ion Ratio Lower Upper

76 100

78 29.9 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

1200

1000

800

600

400

200

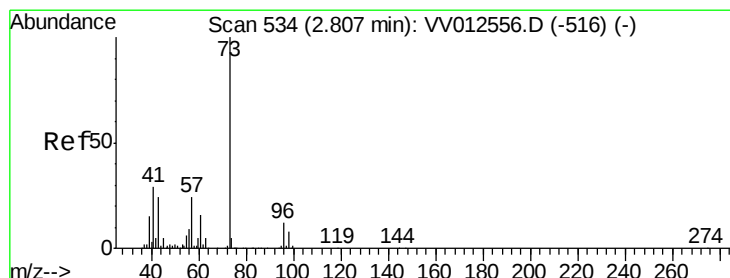
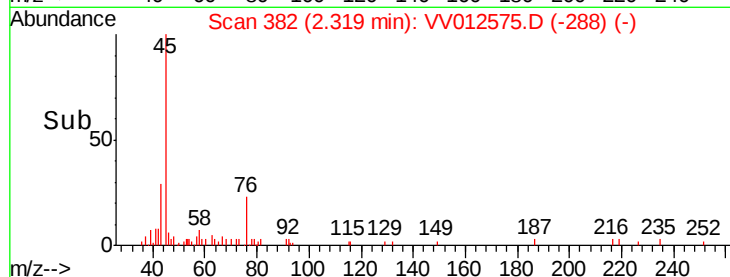
0

2.25

2.30

2.35

Time-->



#17

Methyl tert-butyl Ether

Concen: 1.011 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

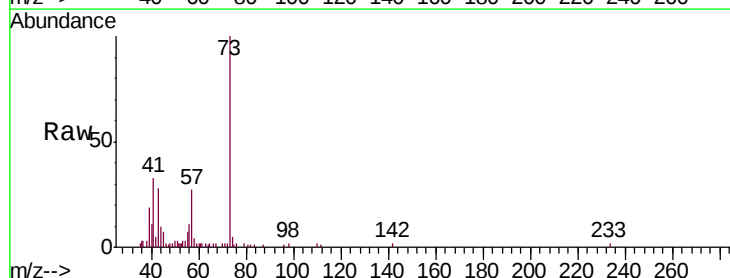
Tgt Ion: 73 Resp: 15516

Ion Ratio Lower Upper

73 100

43 28.8 18.9 28.3#

57 26.7 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

10000

8000

6000

4000

2000

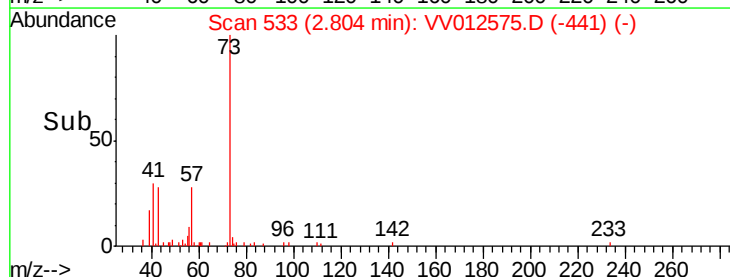
0

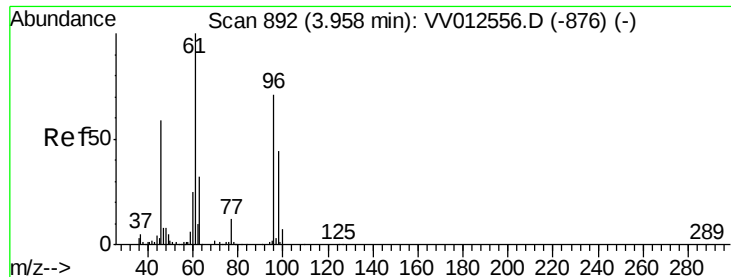
2.75

2.80

2.85

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.358 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_V

ClientSampleId :

BFD79

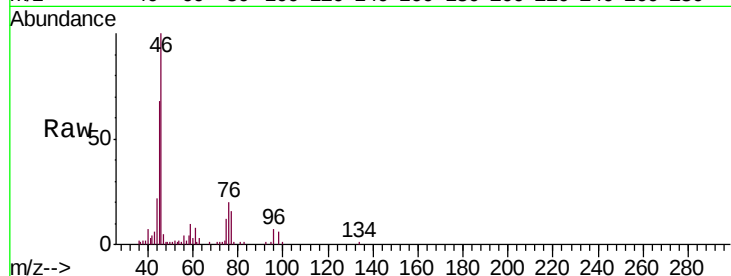
Tgt Ion: 96 Resp: 2670

Ion Ratio Lower Upper

96 100

61 124.5 97.5 181.1

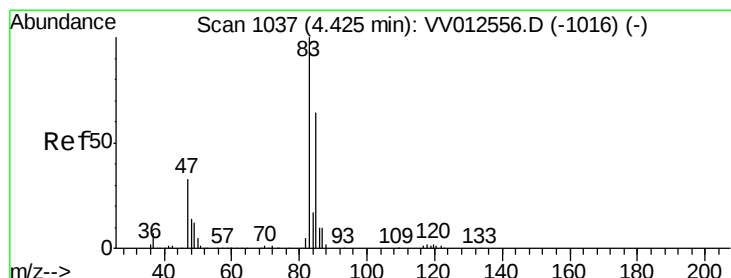
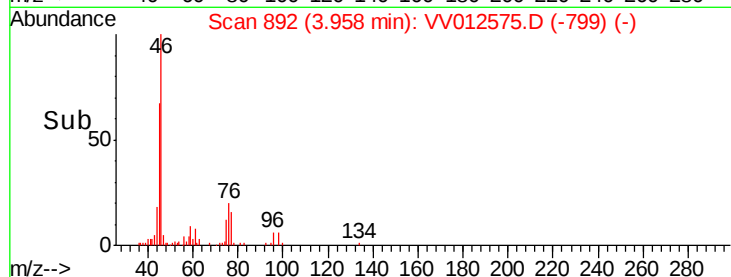
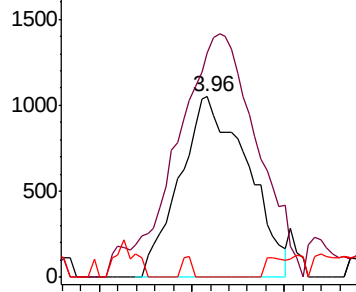
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012556.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV012556.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV012556.D (-876) (-)



#25

Chloroform

Concen: 0.617 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012575.D

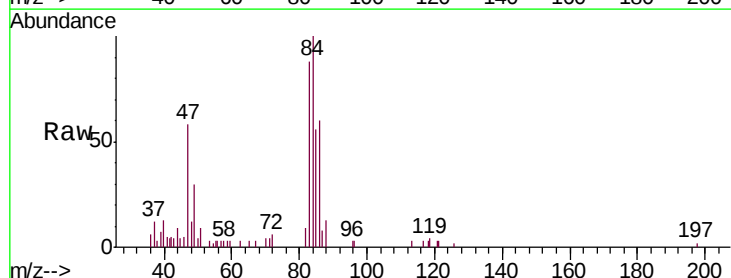
Acq: 04 Sep 2019 18:51

Tgt Ion: 83 Resp: 8984

Ion Ratio Lower Upper

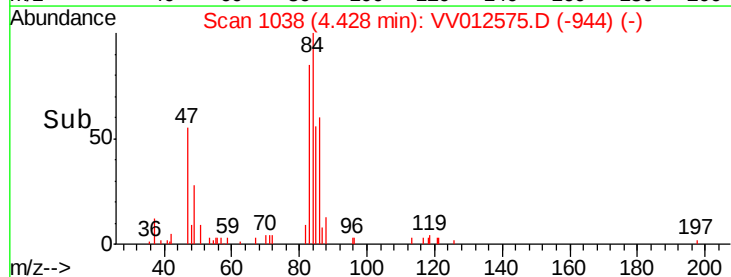
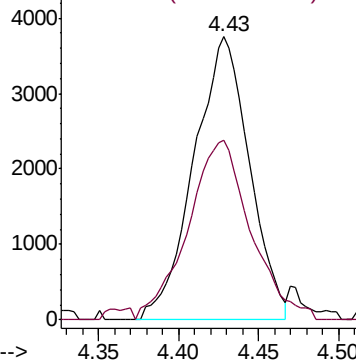
83 100

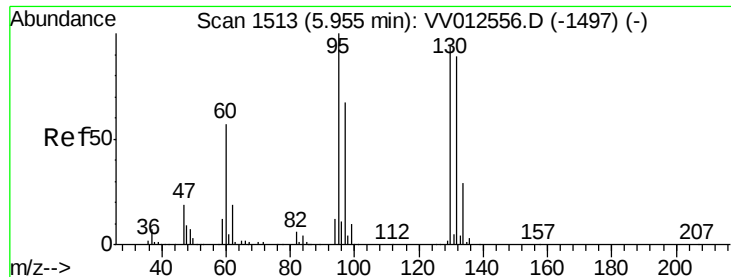
85 63.6 45.1 83.9



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

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

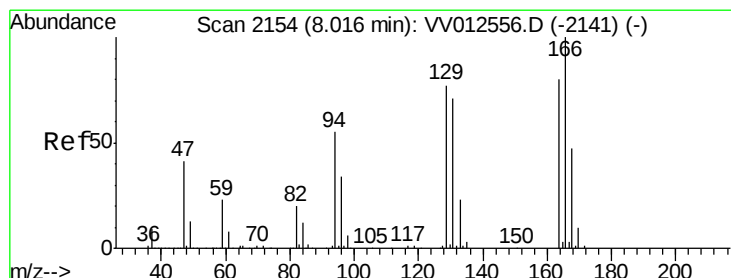
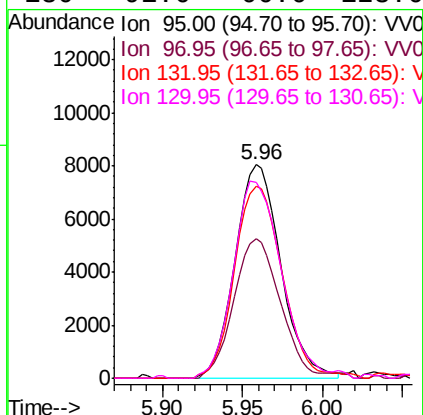
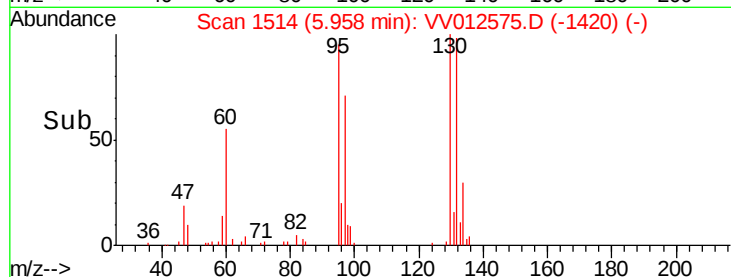
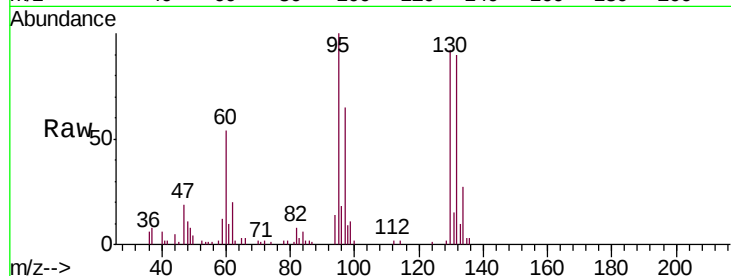




#34
 Trichloroethene
 Concen: 1.900 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012575.D
 Acq: 04 Sep 2019 18:51

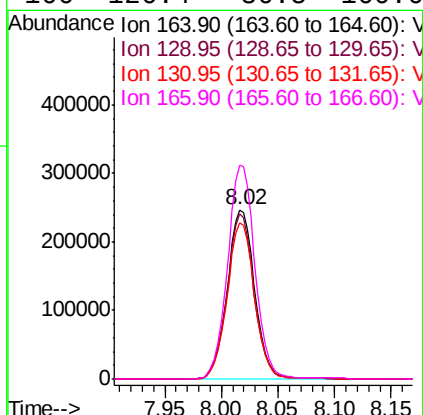
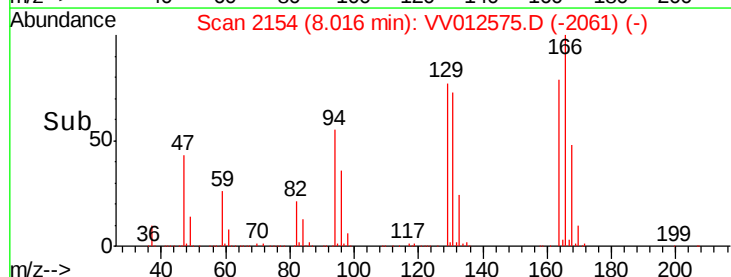
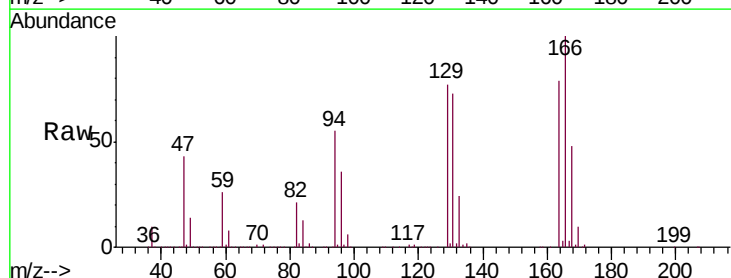
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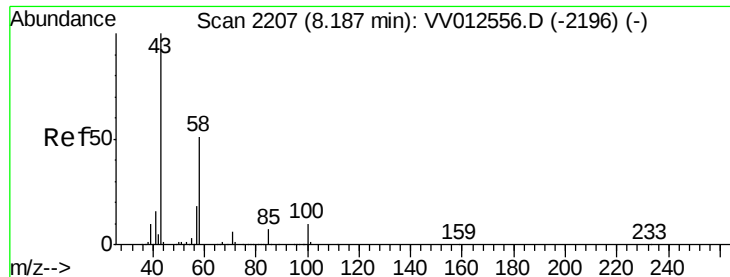
Tgt Ion:	95	Resp:	15773
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.7	83.1
132	90.0	63.8	118.4
130	91.6	66.6	123.6



#47
 Tetrachloroethene
 Concen: 69.425 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012575.D
 Acq: 04 Sep 2019 18:51

Tgt Ion:	164	Resp:	416406
Ion	Ratio	Lower	Upper
164	100		
129	97.7	64.5	119.9
131	92.7	62.3	115.7
166	126.4	86.5	160.6

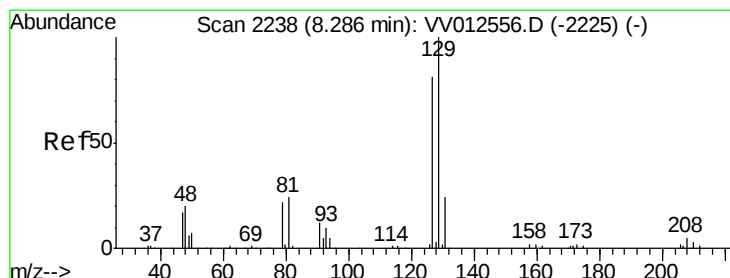
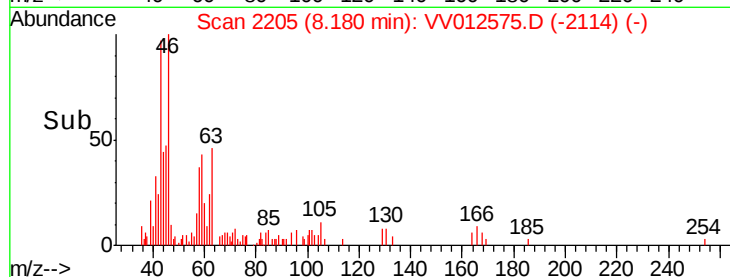
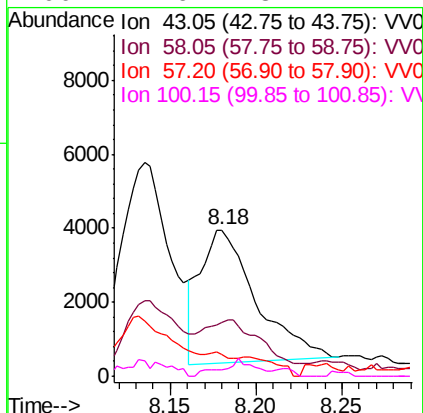
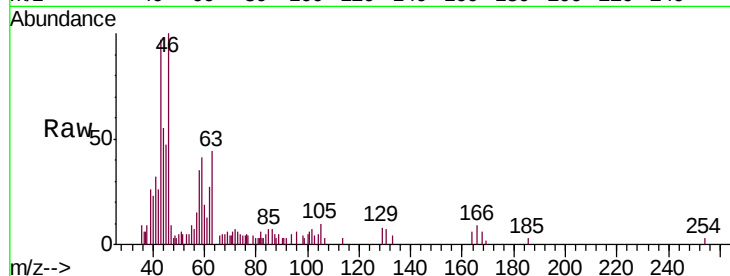




#48
2-Hexanone
Concen: 2.502 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012575.D
Acq: 04 Sep 2019 18:51

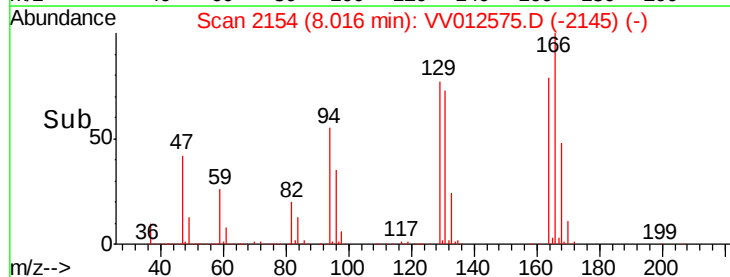
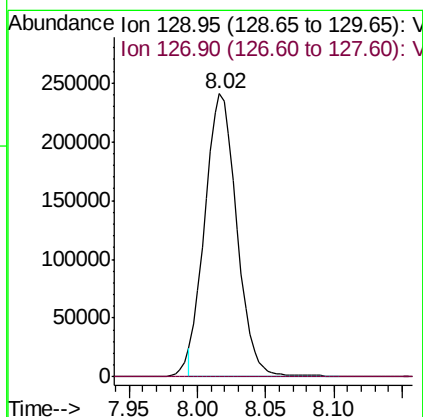
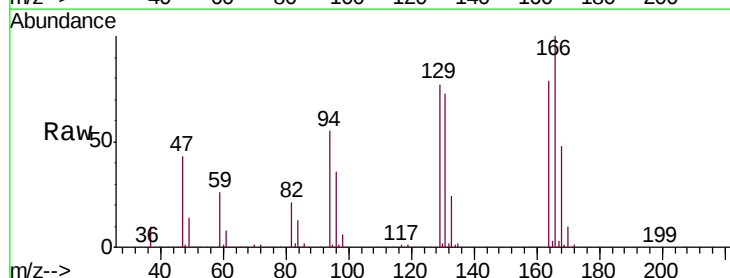
Instrument :
MSVOA_V
ClientSampleId :
BFD79

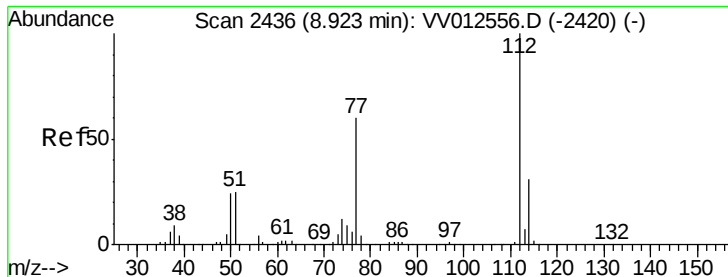
Tgt Ion: 43 Resp: 8167
Ion Ratio Lower Upper
43 100
58 41.7 40.0 60.0
57 0.0 13.4 20.2#
100 7.6 8.2 12.2#



#49
Dibromochloromethane
Concen: 65.478 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012575.D
Acq: 04 Sep 2019 18:51

Tgt Ion: 129 Resp: 386369
Ion Ratio Lower Upper
129 100
127 0.0 54.9 102.1#





#51

Chlorobenzene

Concen: 0.291 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

Instrument :

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ClientSampleId :

BFD79

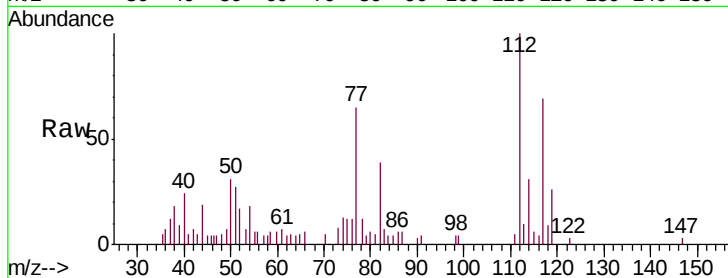
Tgt Ion:112 Resp: 5961

Ion Ratio Lower Upper

112 100

114 30.7 23.0 42.6

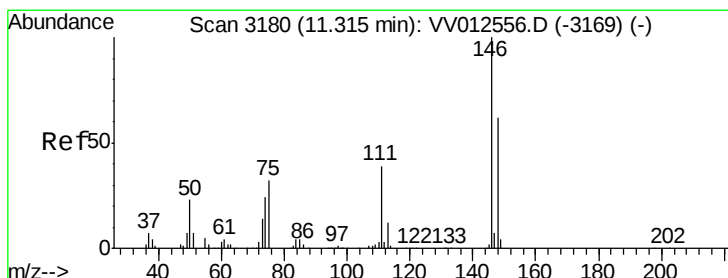
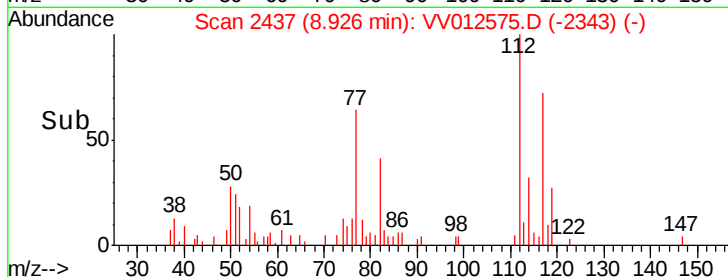
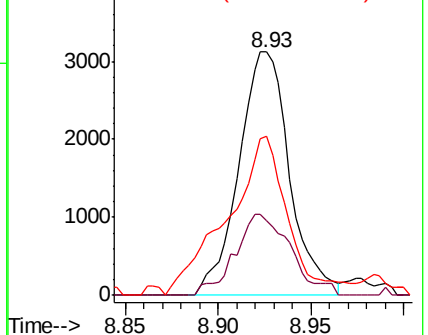
77 65.4 50.4 75.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.149 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012575.D

Acq: 04 Sep 2019 18:51

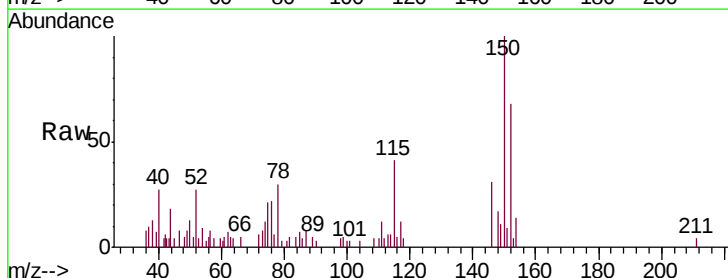
Tgt Ion:146 Resp: 1493

Ion Ratio Lower Upper

146 100

111 37.4 27.9 51.7

148 53.0 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

