

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083019\
 Data File : VV012482.D
 Acq On : 31 Aug 2019 06:25
 Operator : SY/MD
 Sample : K4607-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD63

Quant Time: Sep 03 06:46:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 12:27:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	216281	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	232505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133205	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	58687	3.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.80%
7) Chloroethane-d5	1.58	69	50066	3.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.80%
11) 1,1-Dichloroethene-d2	2.12	63	77506	2.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.00%#
20) 2-Butanone-d5	4.01	46	119137	30.32	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	60.64%
24) Chloroform-d	4.40	84	118576	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.60%
26) 1,2-Dichloroethane-d4	5.08	65	59325	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
32) Benzene-d6	5.09	84	223412	3.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.40%#
36) 1,2-Dichloropropane-d6	6.12	67	76553	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.40%
41) Toluene-d8	7.36	98	184853	2.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.00%#
43) trans-1,3-Dichloropropene-	7.66	79	24259	3.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.20%
46) 2-Hexanone-d5	8.14	63	113263	37.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	56540	3.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	82207	3.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.40%#

Target Compounds

					Qvalue
13) Acetone	2.28	43	11909	4.148	ug/L 67
14) Carbon disulfide	2.31	76	34228	0.683	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	7103	0.338	ug/L 94
19) 1,1-Dichloroethane	3.22	63	55593	1.353	ug/L 99
22) cis-1,2-Dichloroethene	3.95	96	4358089	198.312	ug/L # 94
29) 1,1,1-Trichloroethane	4.65	97	130773	3.472	ug/L 98
34) Trichloroethene	5.96	95	14656261	597.667	ug/L 95
42) Toluene	7.43	91	173947	1.766	ug/L 98
45) 1,1,2-Trichloroethane	7.88	97	3073	0.185	ug/L 92
47) Tetrachloroethene	8.01	164	235836	12.013	ug/L 99
52) Ethylbenzene	9.05	91	141185	1.356	ug/L 97
53) m,p-xylene	9.18	106	222124	5.820	ug/L 99
54) o-xylene	9.59	106	594119	15.944	ug/L 96
56) Isopropylbenzene	9.97	105	315563	3.216	ug/L 99
63) 1,4-Dichlorobenzene	11.32	146	5777	0.103	ug/L 95

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QLast Update : Sat Aug 31 12:27:36 2019
Response via : Initial Calibration

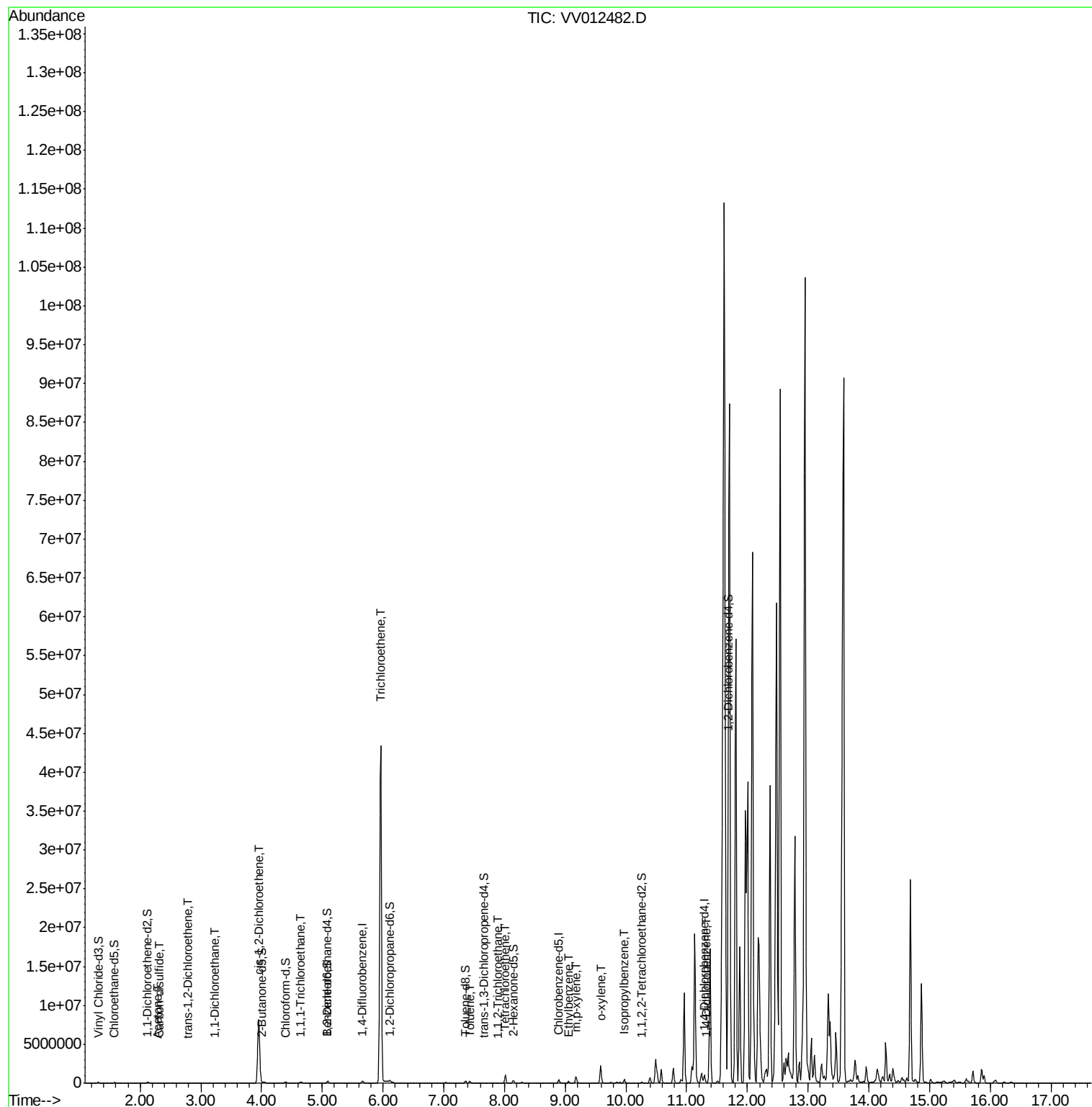
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

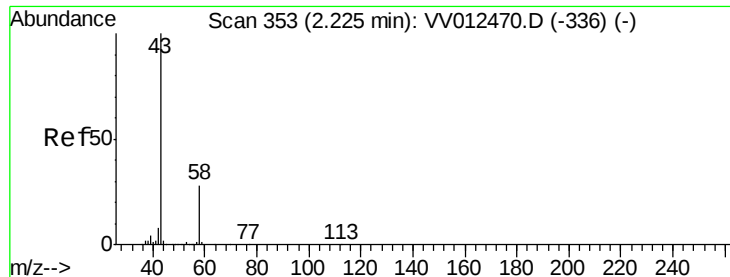
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#13

Acetone

Concen: 4.148 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.06 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampleId :

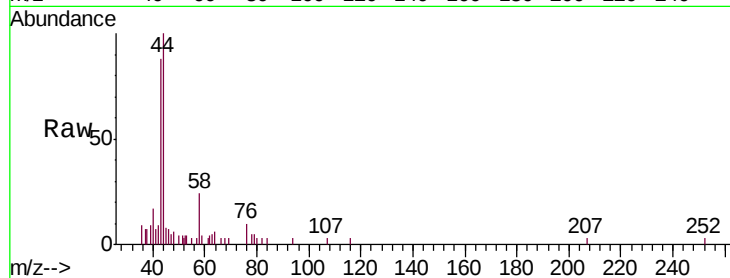
BFD63

Tgt Ion: 43 Resp: 11909

Ion Ratio Lower Upper

43 100

58 11.1 0.0 56.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.28

3000

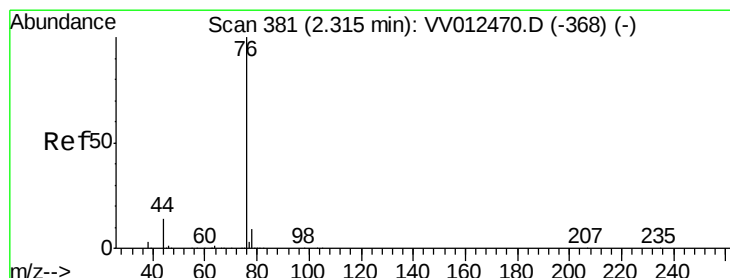
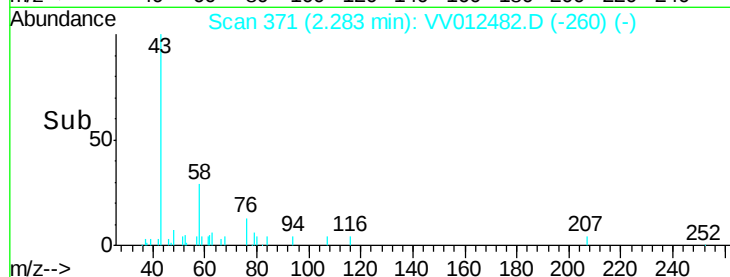
2000

1000

0

Time-->

2.20 2.30



#14

Carbon disulfide

Concen: 0.683 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012482.D

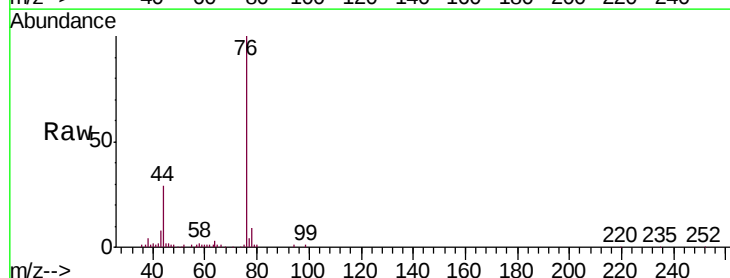
Acq: 31 Aug 2019 06:25

Tgt Ion: 76 Resp: 34228

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

25000

20000

15000

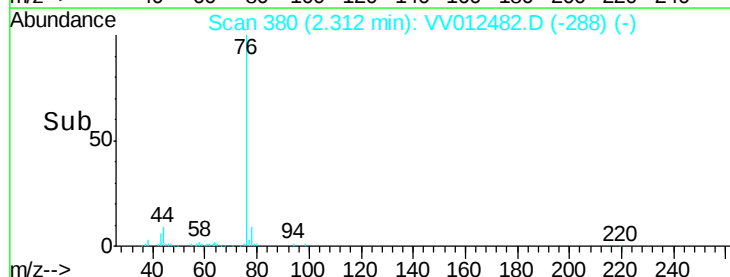
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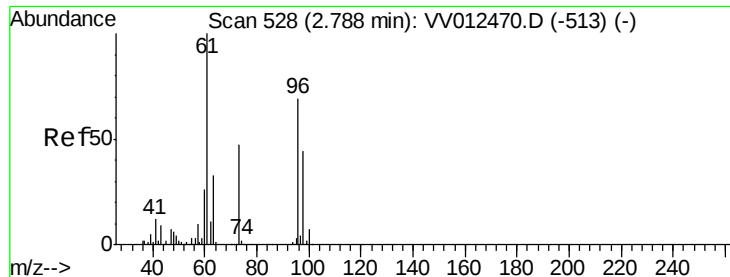
5000

0

Time-->

2.25 2.30 2.35





#18

trans-1,2-Dichloroethene

Concen: 0.338 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampled :

BFD63

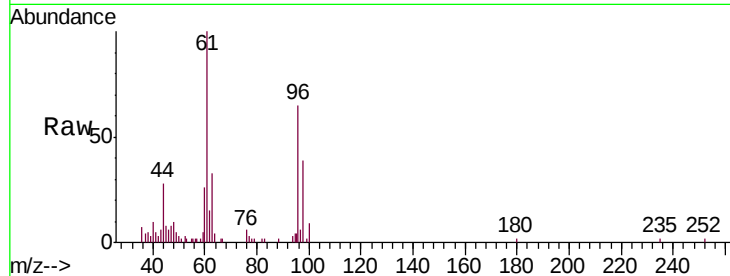
Tgt Ion: 96 Resp: 7103

Ion Ratio Lower Upper

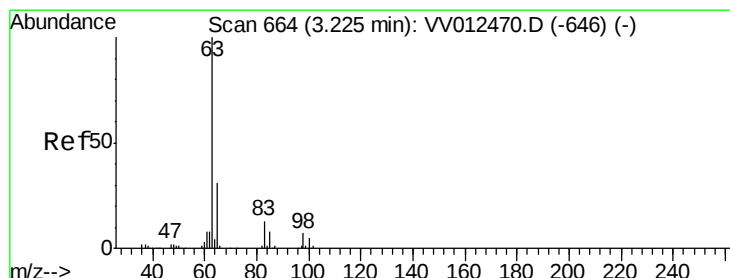
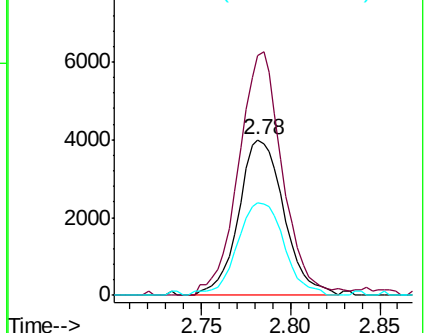
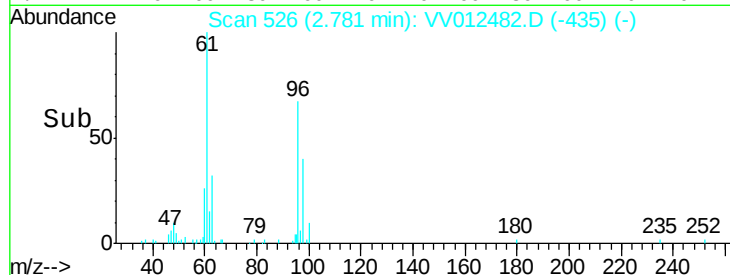
96 100

61 153.5 101.2 188.0

98 59.5 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV012482.D (-435) (-)



#19

1,1-Dichloroethane

Concen: 1.353 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

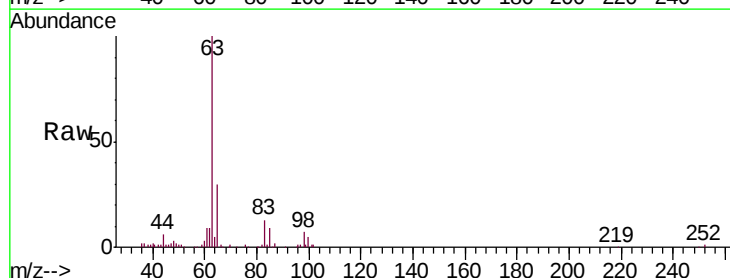
Tgt Ion: 63 Resp: 55593

Ion Ratio Lower Upper

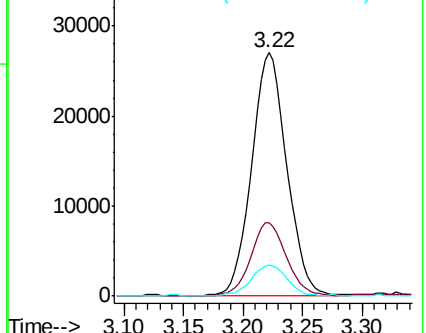
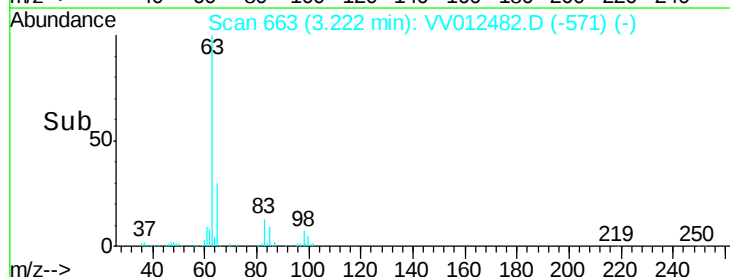
63 100

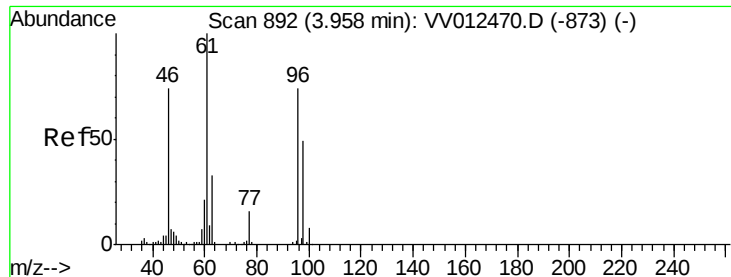
65 30.1 21.6 40.2

83 12.6 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV012482.D (-571) (-)



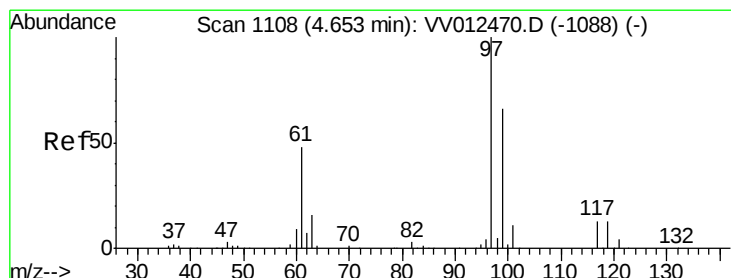
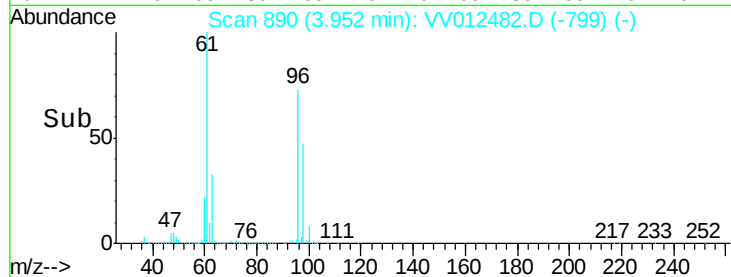
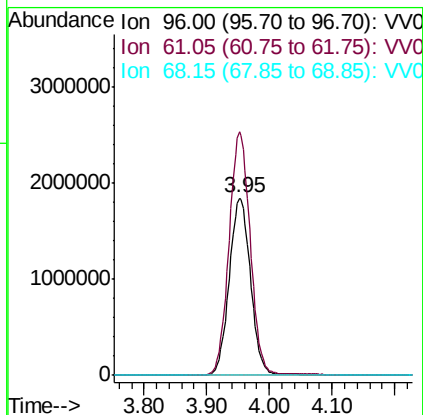
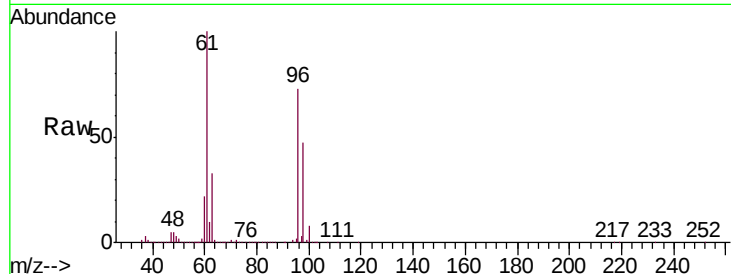


#22

cis-1,2-Dichloroethene
 Concen: 198.312 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV012482.D
 Acq: 31 Aug 2019 06:25

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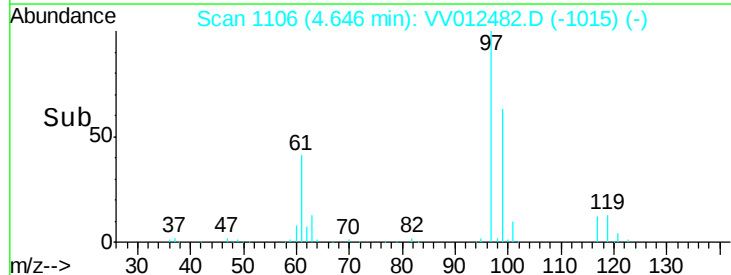
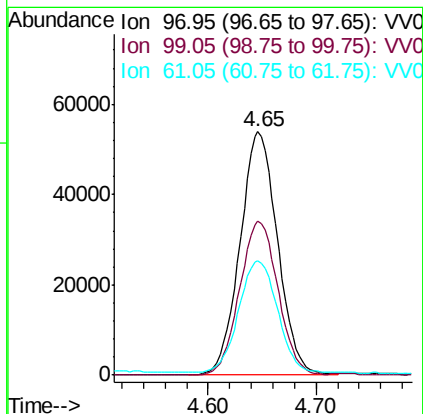
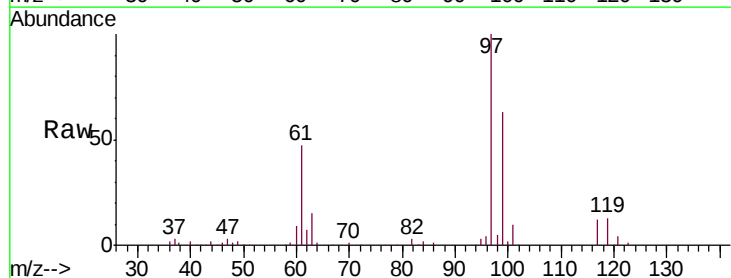
Tgt Ion: 96 Resp: 4358089
 Ion Ratio Lower Upper
 96 100
 61 137.4 91.5 169.9
 68 0.0 0.0 0.0#

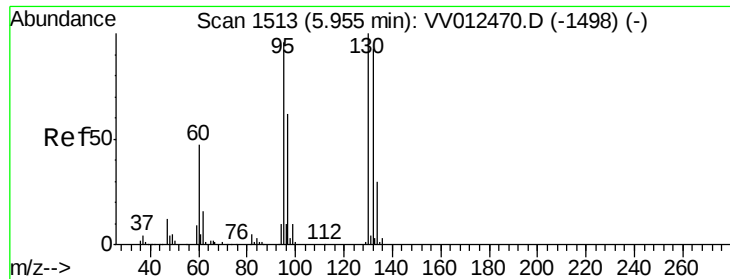


#29

1,1,1-Trichloroethane
 Concen: 3.472 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VV012482.D
 Acq: 31 Aug 2019 06:25

Tgt Ion: 97 Resp: 130773
 Ion Ratio Lower Upper
 97 100
 99 64.5 49.8 74.6
 61 46.9 36.7 55.1





#34

Trichloroethene

Concen: 597.667 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampleId :

BFD63

Tgt Ion: 95 Resp:14656261

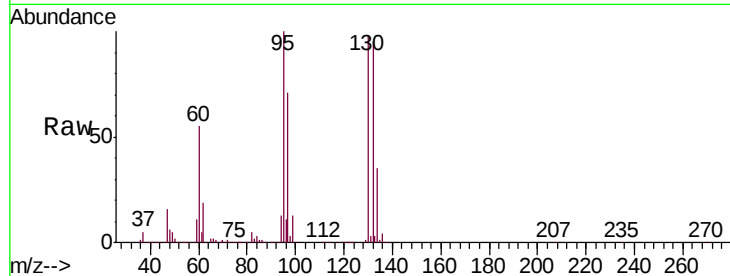
Ion Ratio Lower Upper

95 100

97 71.1 45.8 85.2

132 95.2 68.3 126.9

130 97.7 72.0 133.8

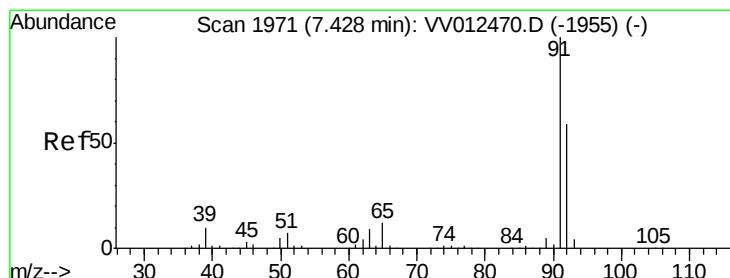
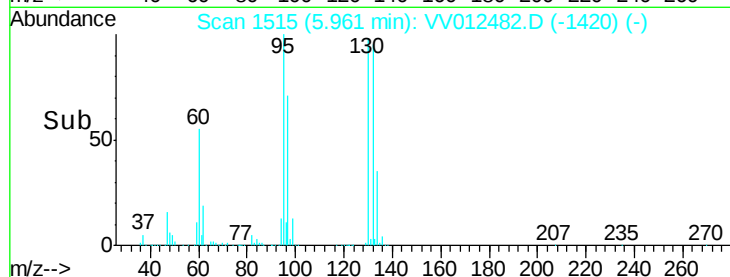
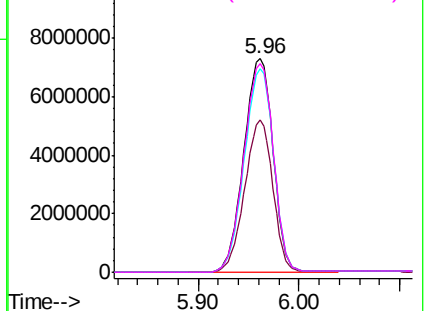


Abundance Ion 95.00 (94.70 to 95.70): VV012470.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012470.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012470.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012470.D (-1498) (-)



#42

Toluene

Concen: 1.766 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012482.D

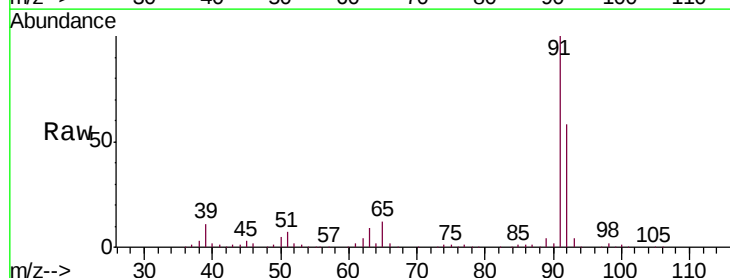
Acq: 31 Aug 2019 06:25

Tgt Ion: 91 Resp: 173947

Ion Ratio Lower Upper

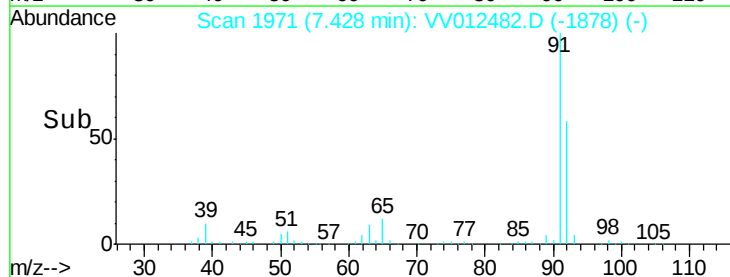
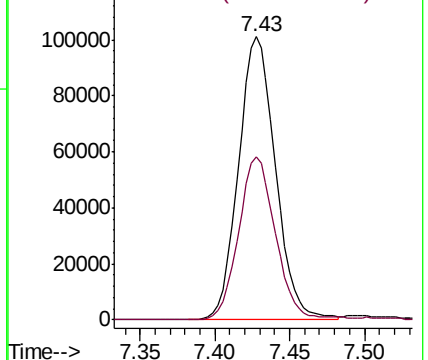
91 100

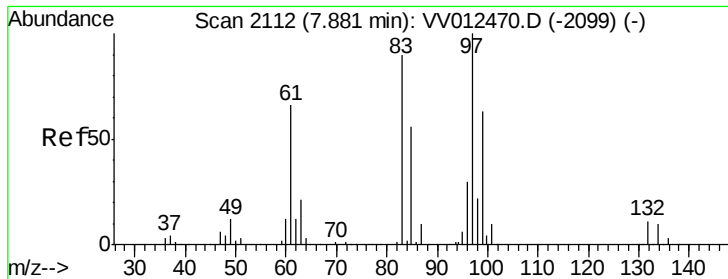
92 57.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV012470.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV012470.D (-1955) (-)

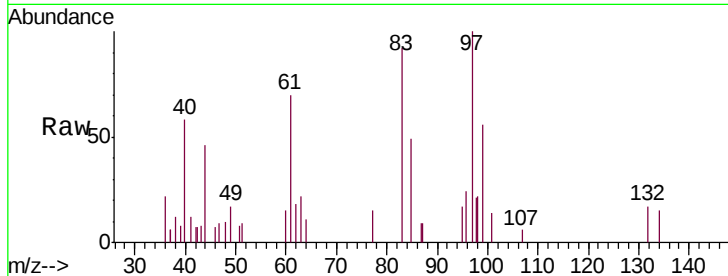




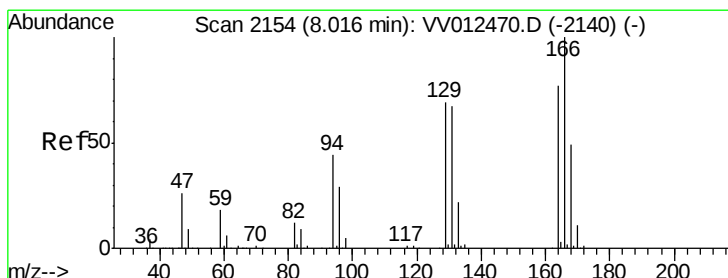
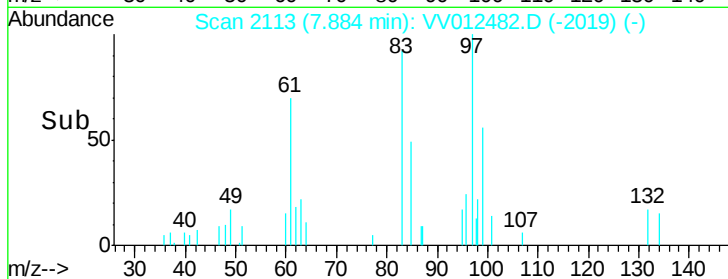
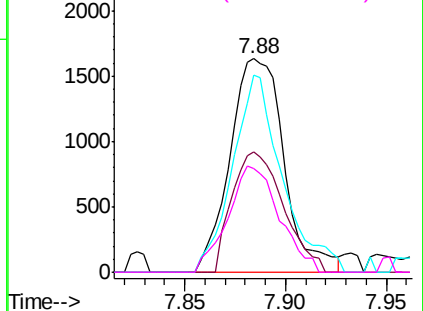
#45
 1,1,2-Trichloroethane
 Concen: 0.185 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012482.D
 Acq: 31 Aug 2019 06:25

Instrument :
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 BFD63

Tgt Ion:	97	Resp:	3073
Ion	Ratio	Lower	Upper
97	100		
99	56.2	43.3	80.3
83	92.2	61.2	113.6
85	48.6	40.0	74.4

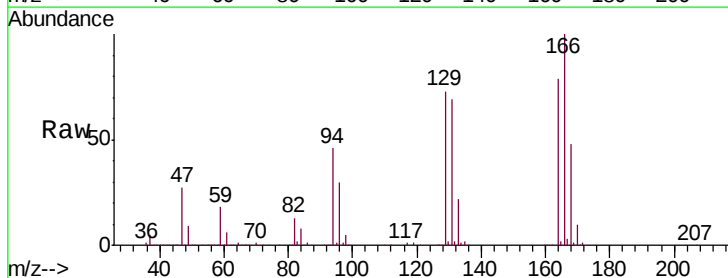


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

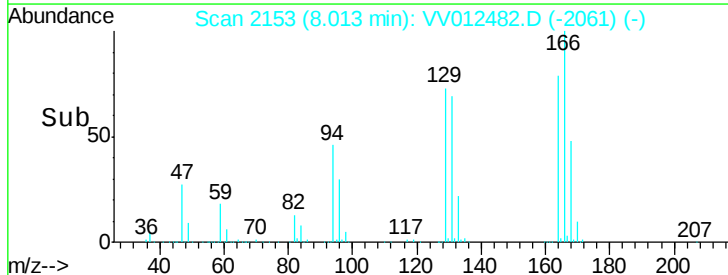
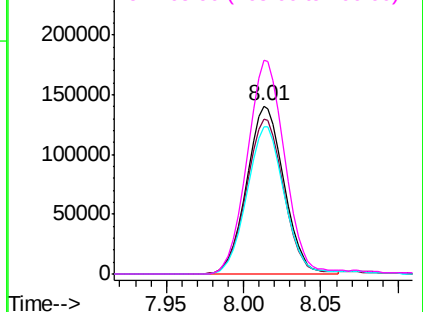


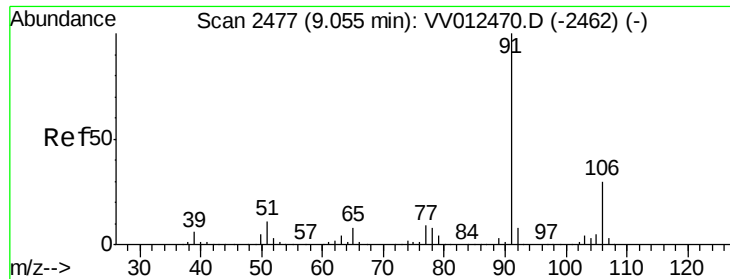
#47
 Tetrachloroethene
 Concen: 12.013 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV012482.D
 Acq: 31 Aug 2019 06:25

Tgt Ion:	164	Resp:	235836
Ion	Ratio	Lower	Upper
164	100		
129	92.4	65.6	121.8
131	87.8	63.3	117.5
166	127.0	89.4	166.0



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





#52

Ethylbenzene

Concen: 1.356 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampleId :

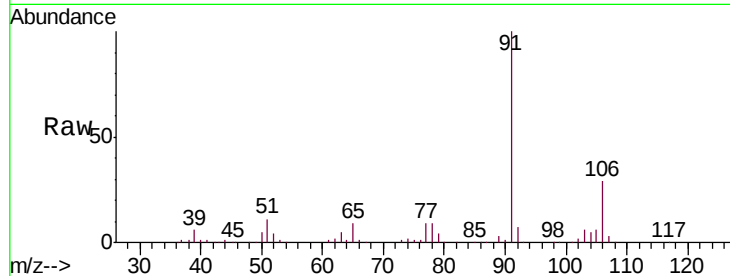
BFD63

Tgt Ion: 91 Resp: 141185

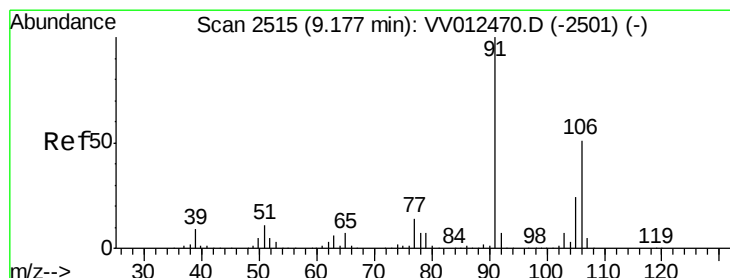
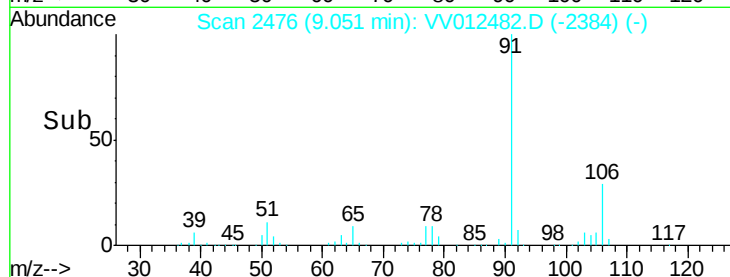
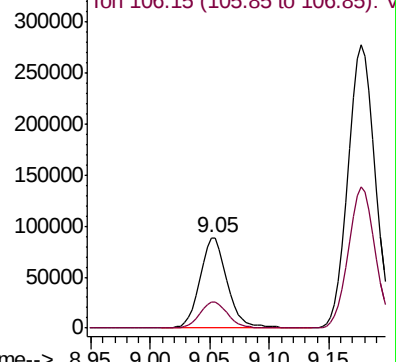
Ion Ratio Lower Upper

91 100

106 28.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VV012470.D (-2462) (-)



#53

m,p-xylene

Concen: 5.820 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012482.D

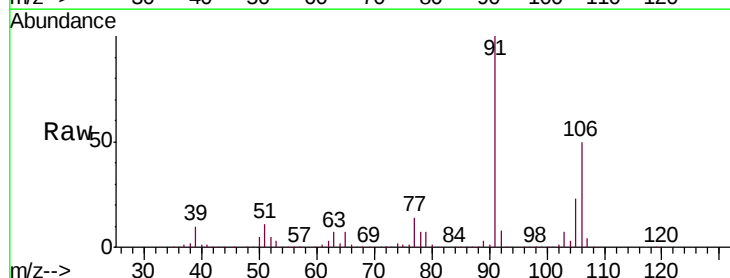
Acq: 31 Aug 2019 06:25

Tgt Ion: 106 Resp: 222124

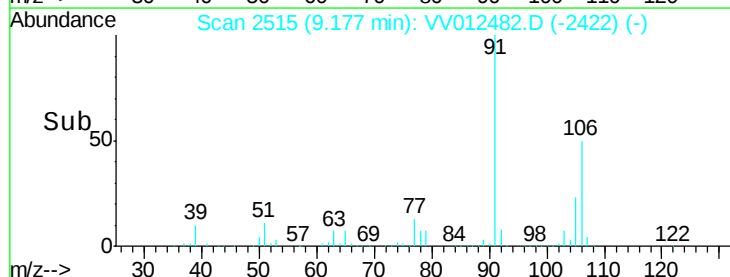
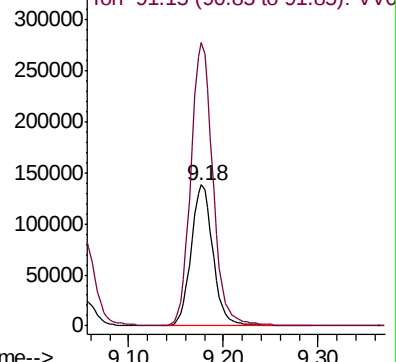
Ion Ratio Lower Upper

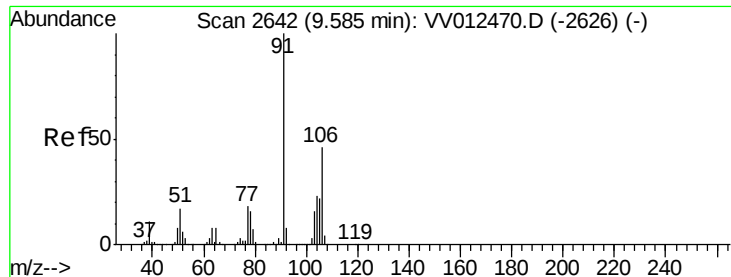
106 100

91 200.6 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV012470.D (-2501) (-)





#54

o-xylene

Concen: 15.944 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampleId :

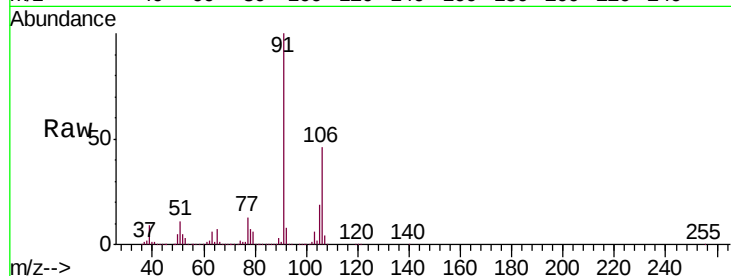
BFD63

Tgt Ion:106 Resp: 594119

Ion Ratio Lower Upper

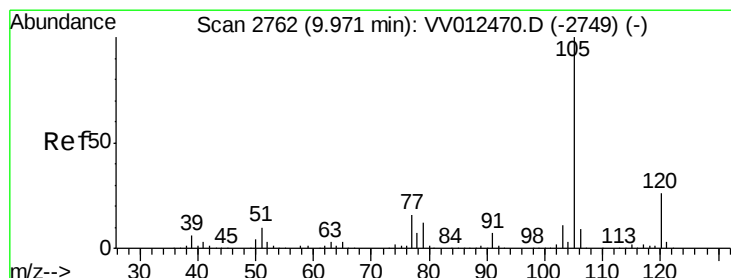
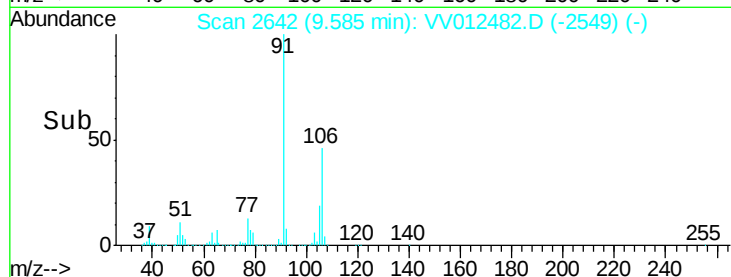
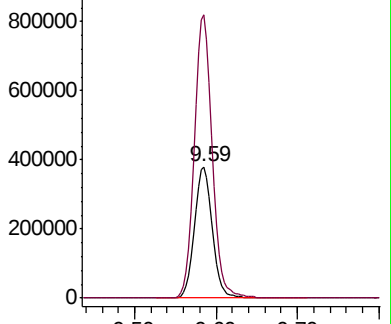
106 100

91 215.7 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 3.216 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

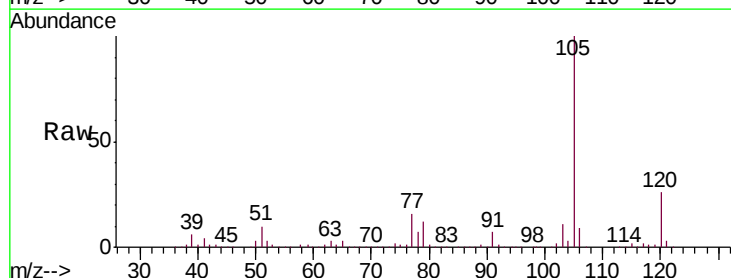
Tgt Ion:105 Resp: 315563

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

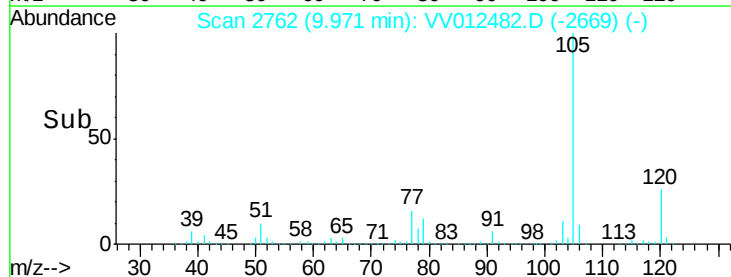
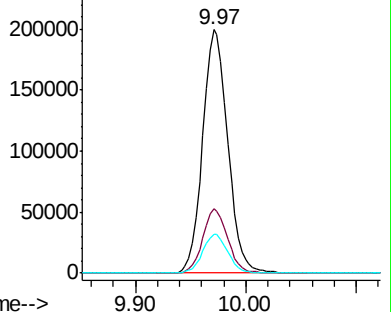
77 15.8 12.7 19.1

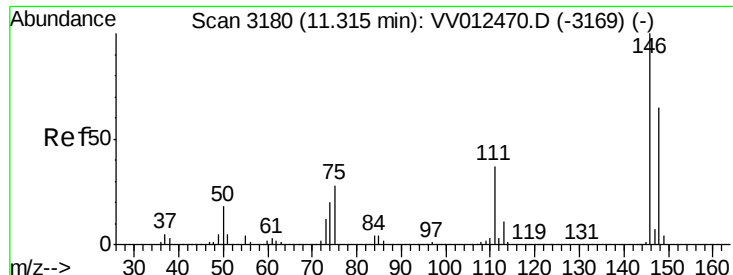


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#63

1,4-Dichlorobenzene

Concen: 0.103 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.01 min

Lab File: VV012482.D

Acq: 31 Aug 2019 06:25

Instrument :

MSVOA_V

ClientSampleId :

BFD63

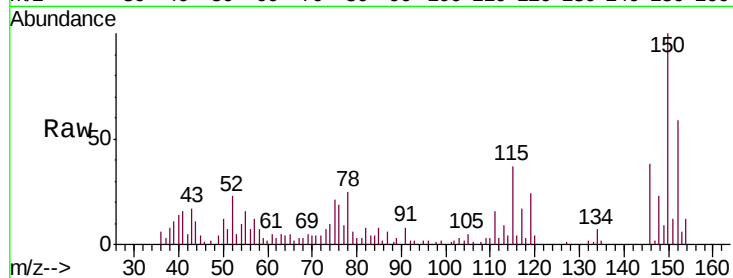
Tgt Ion:146 Resp: 5777

Ion Ratio Lower Upper

146 100

111 43.0 26.8 49.8

148 61.0 44.5 82.7



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

