

Data File : VV013542.D
Acq On : 08 Nov 2019 16:32
Operator : SY/MD
Sample : K5747-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2J00MS

Quant Time: Nov 08 22:53:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	416349	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	411044	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	192363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81893	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	76418	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	143639	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	3.92	46	290774	46.22	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.44%
24) Chloroform-d	4.40	84	205929	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	120478	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	392366	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.11	67	142021	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	305959	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	49506	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.13	63	193281	44.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	94002	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	166983	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1861	0.070 ug/L #	21
12) 1,1-Dichloroethene	2.14	96	81322	3.248 ug/L	94
13) Acetone	2.18	43	28803	7.547 ug/L	97
14) Carbon disulfide	2.32	76	3080	0.041 ug/L #	39
15) Methyl Acetate	2.29	43	7146	0.626 ug/L #	55
25) Chloroform	4.43	83	25372	0.401 ug/L	96
33) Benzene	5.14	78	477785	3.741 ug/L	100
34) Trichloroethene	5.96	95	121388	3.525 ug/L	98
37) 1,2-Dichloropropane	6.11	63	14754	0.470 ug/L #	87
42) Toluene	7.43	91	507495	3.821 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	3102	0.090 ug/L	92
48) 2-Hexanone	8.18	43	16030	1.253 ug/L #	83
51) Chlorobenzene	8.92	112	373461	4.262 ug/L	98
53) m,p-xylene	9.18	106	7278	0.137 ug/L	92
54) o-xylene	9.59	106	4128	0.081 ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	4124	0.064 ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	5086	0.101 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration

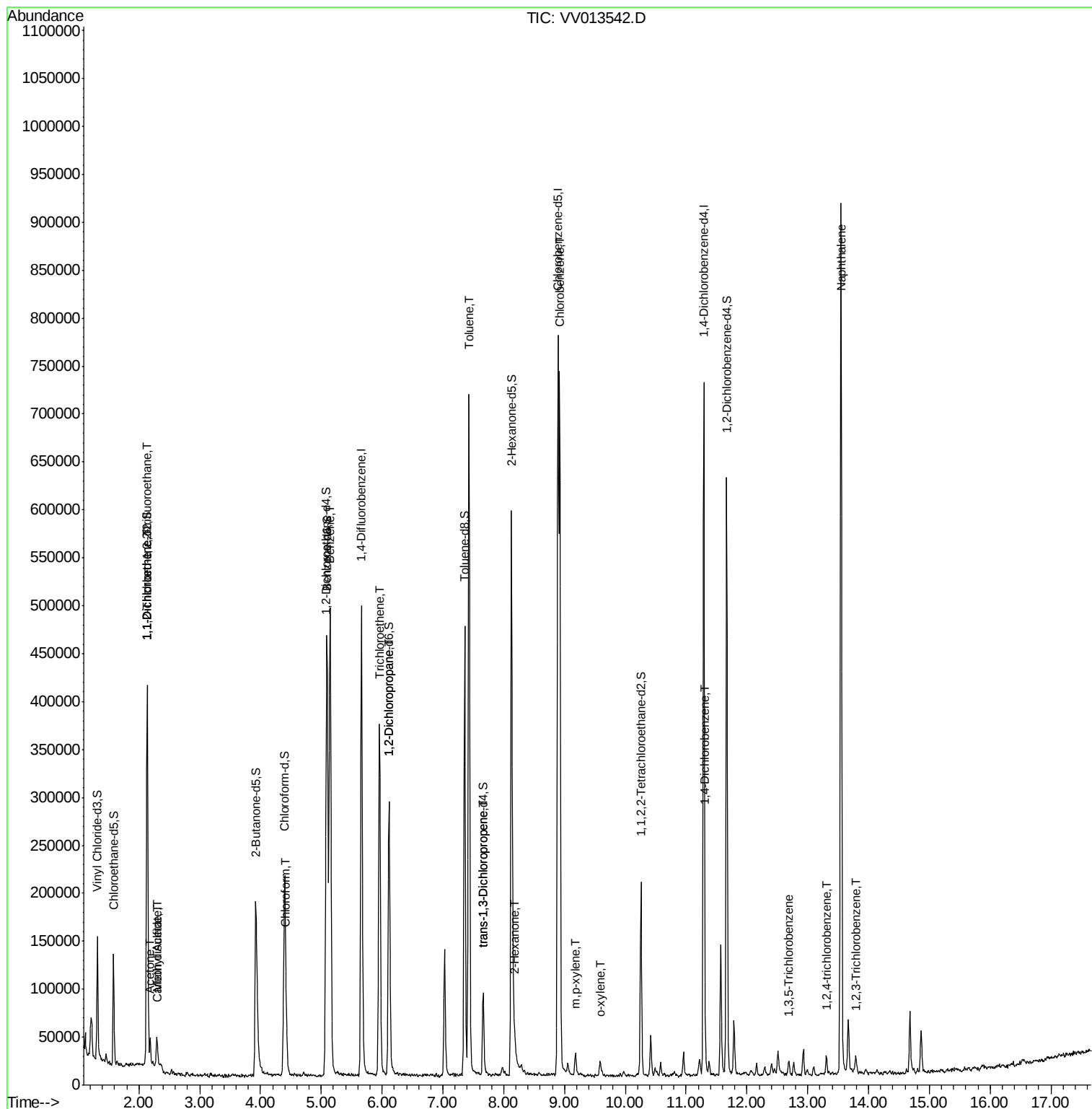
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.31	180	5858	0.146	ug/L #	94
69) Naphthalene	13.55	128	715313	13.203	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	5154	0.137	ug/L #	92

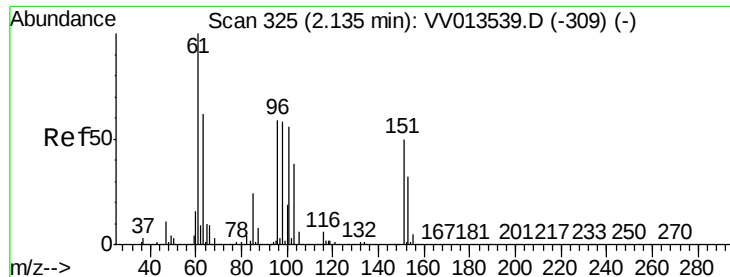
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampled :

F2J00MS

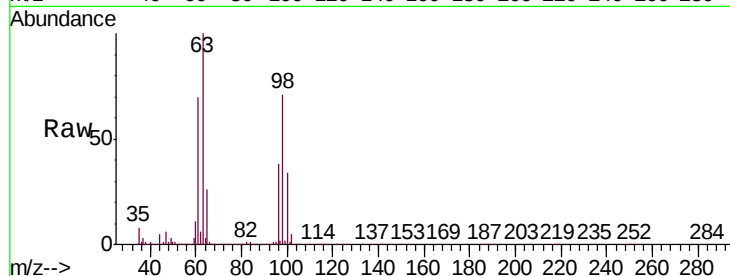
Tgt Ion: 101 Resp: 1861

Ion Ratio Lower Upper

101 100

85 8.4 33.8 50.8#

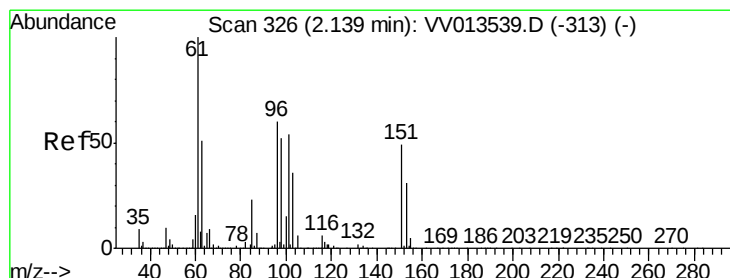
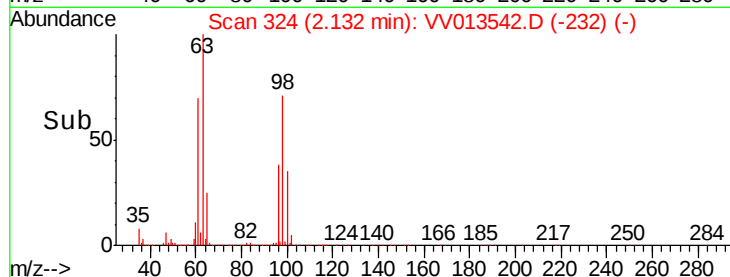
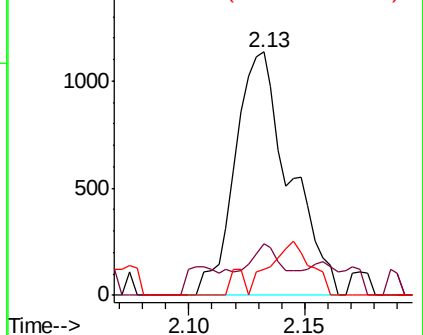
151 2.5 69.5 104.3#



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



#12

1,1-Dichloroethene

Concen: 3.248 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

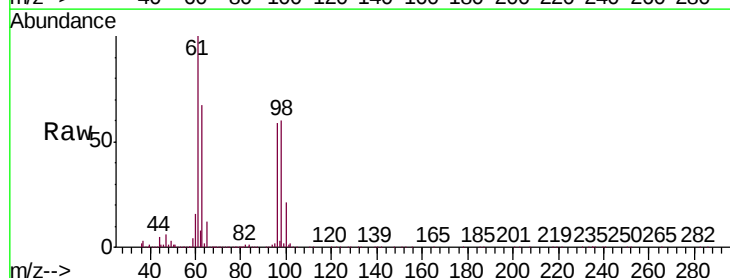
Tgt Ion: 96 Resp: 81322

Ion Ratio Lower Upper

96 100

61 168.1 117.1 217.5

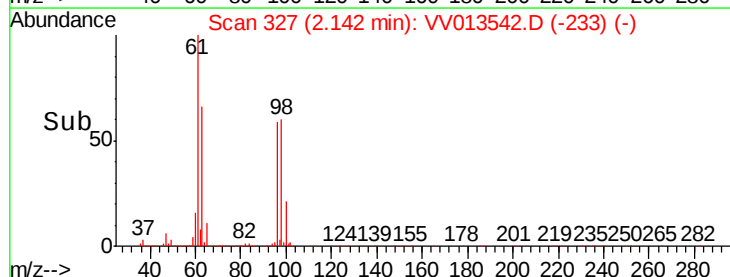
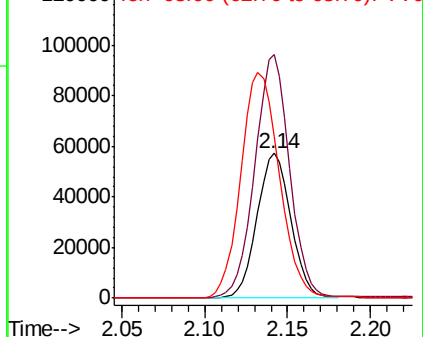
63 111.9 68.5 127.1

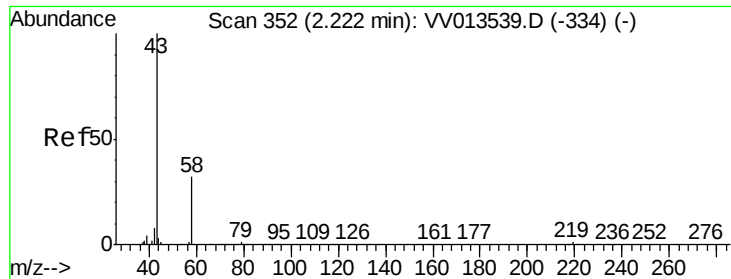


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.547 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampleId :

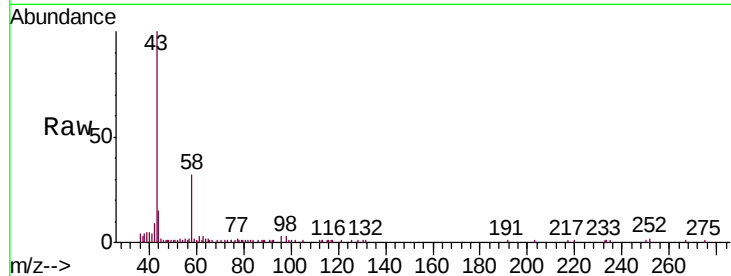
F2J00MS

Tgt Ion: 43 Resp: 28803

Ion Ratio Lower Upper

43 100

58 32.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

20000

15000

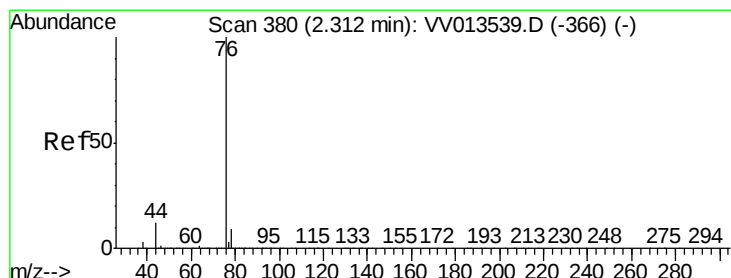
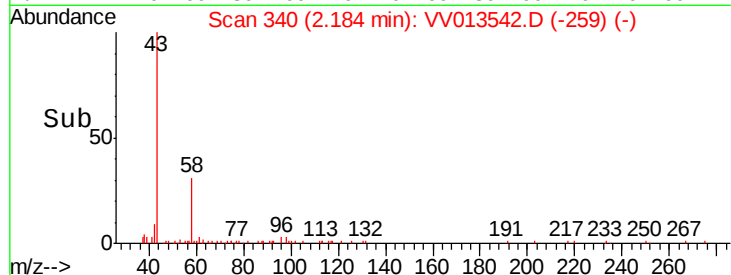
10000

5000

0

2.15 2.20

Time-->



#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013542.D

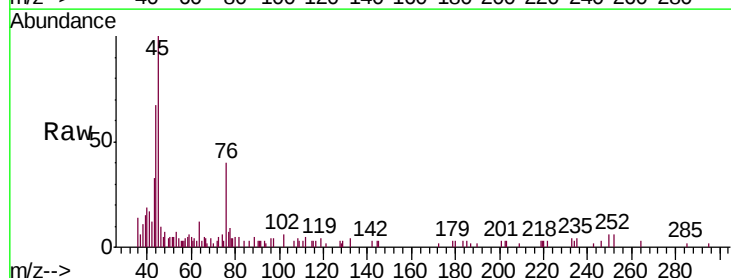
Acq: 08 Nov 2019 16:32

Tgt Ion: 76 Resp: 3080

Ion Ratio Lower Upper

76 100

78 31.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2000

1500

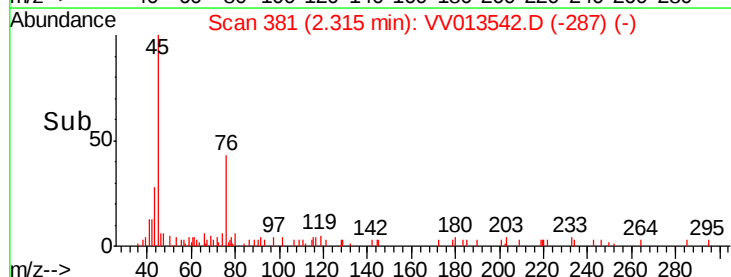
1000

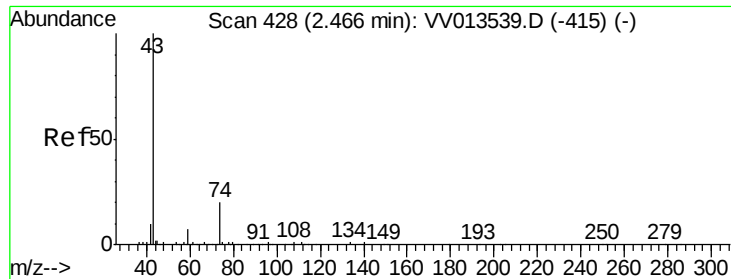
500

0

2.25 2.30 2.35

Time-->

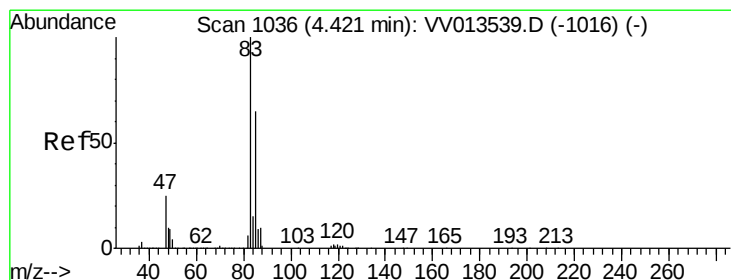
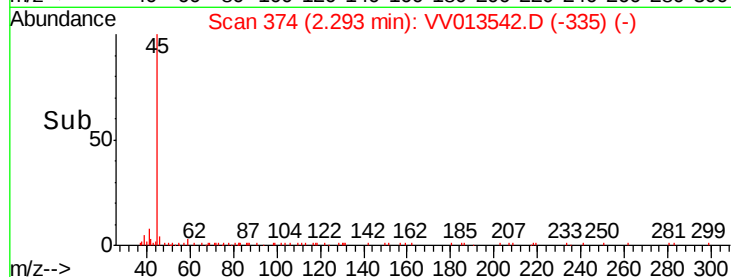
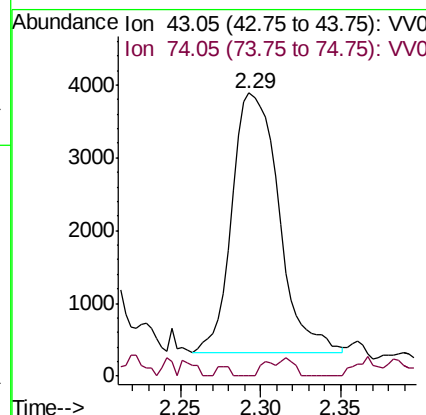
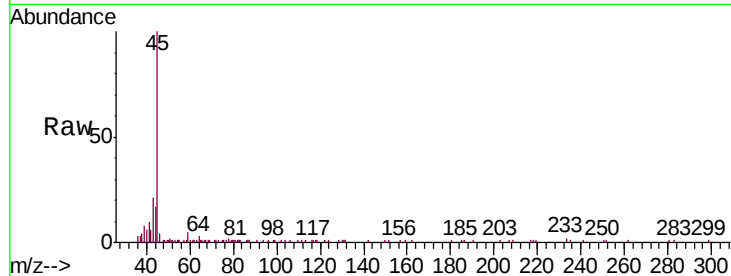




#15
Methyl Acetate
Concen: 0.626 ug/L
RT: 2.29 min Scan# 374
Delta R.T. -0.17 min
Lab File: VV013542.D
Acq: 08 Nov 2019 16:32

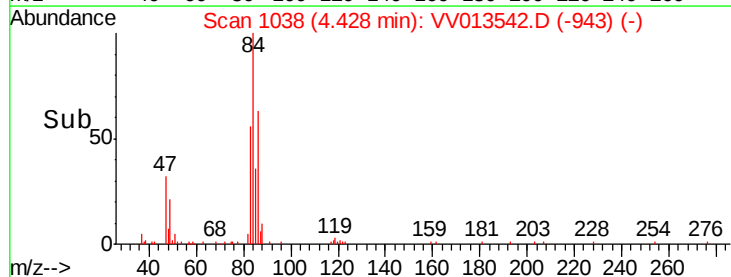
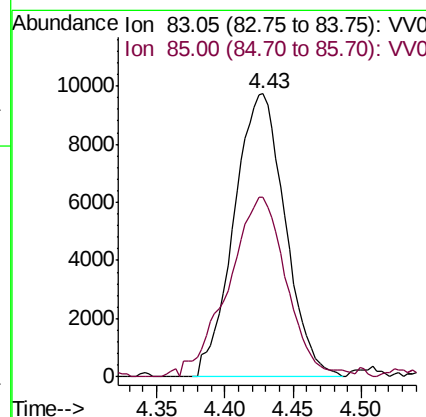
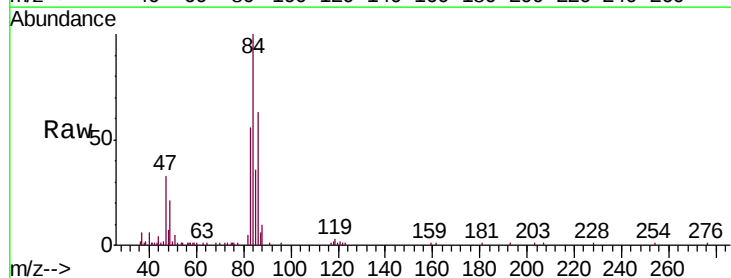
Instrument :
MSVOA_V
ClientSampleId :
F2J00MS

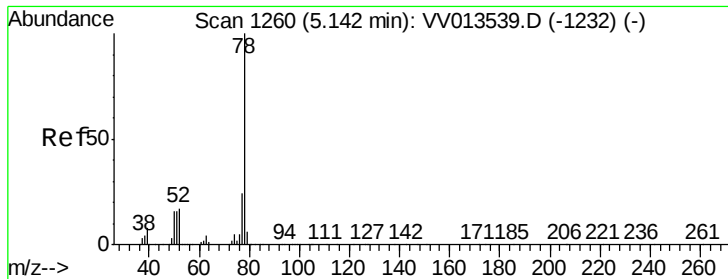
Tgt Ion: 43 Resp: 7146
Ion Ratio Lower Upper
43 100
74 1.8 19.4 29.0#



#25
Chloroform
Concen: 0.401 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013542.D
Acq: 08 Nov 2019 16:32

Tgt Ion: 83 Resp: 25372
Ion Ratio Lower Upper
83 100
85 63.4 46.3 86.1

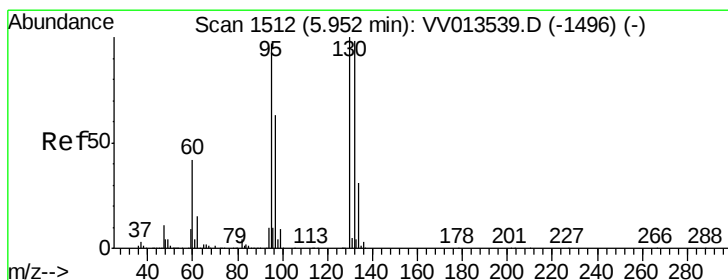
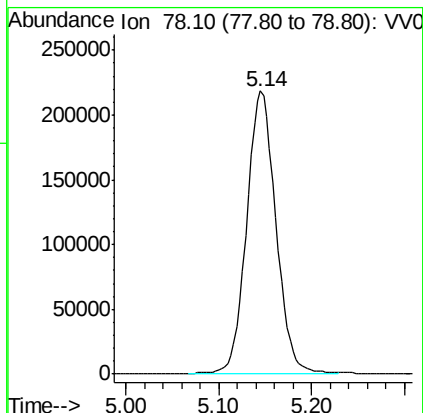
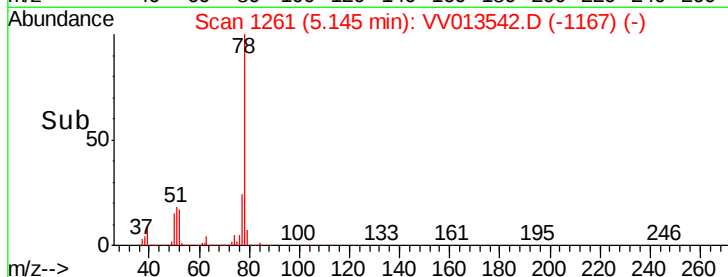
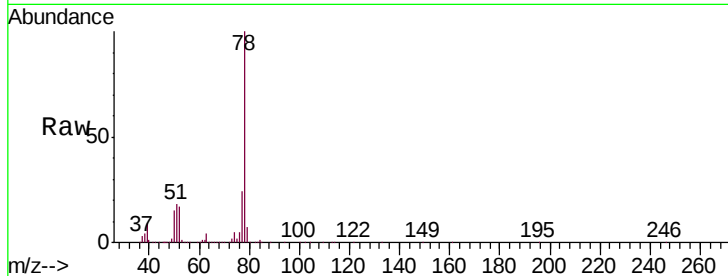




#33
Benzene
Concen: 3.741 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013542.D
Acq: 08 Nov 2019 16:32

Instrument :
MSVOA_V
ClientSampleId :
F2J00MS

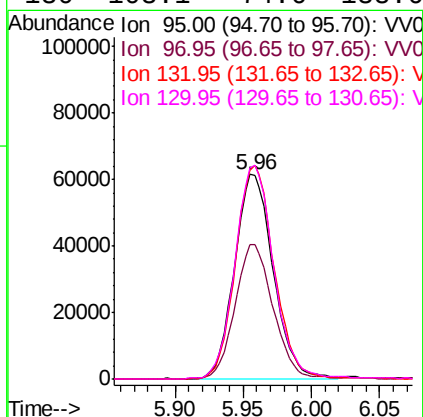
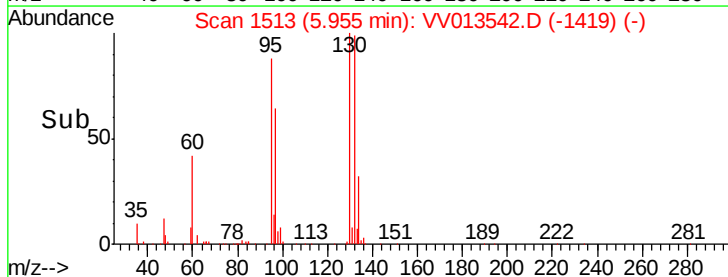
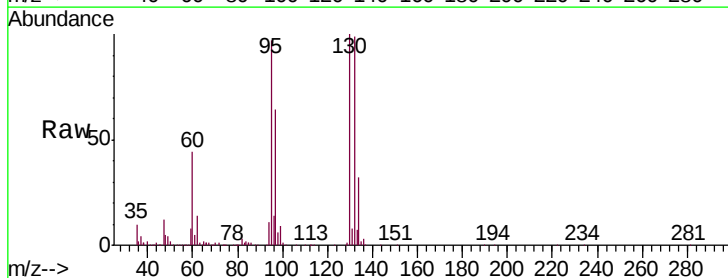
Tgt Ion: 78 Resp: 477785

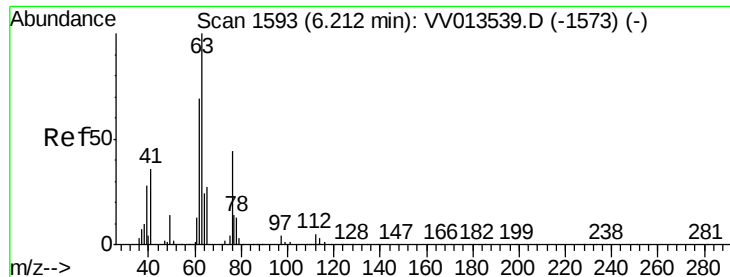


#34
Trichloroethene
Concen: 3.525 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013542.D
Acq: 08 Nov 2019 16:32

Tgt Ion: 95 Resp: 121388

Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.7	83.1
132	101.9	71.6	133.0
130	103.1	74.6	138.6





#37

1,2-Dichloropropane

Concen: 0.470 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampleId :

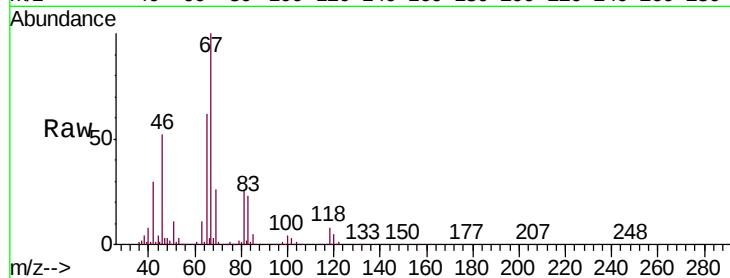
F2J00MS

Tgt Ion: 63 Resp: 14754

Ion Ratio Lower Upper

63 100

112 0.4 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV013539.D (-1573) (-)

Ion 112.10 (111.80 to 112.80): VV013539.D (-1573) (-)

6.11

8000

6000

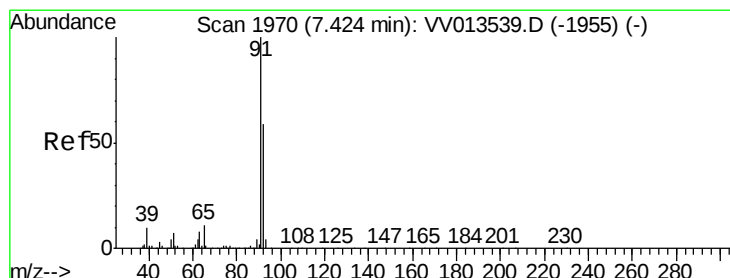
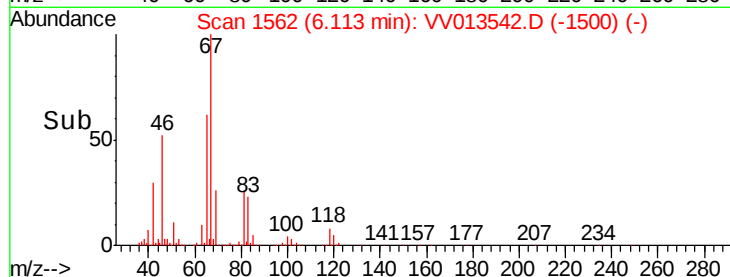
4000

2000

0

6.05 6.10 6.15

Time-->



#42

Toluene

Concen: 3.821 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013542.D

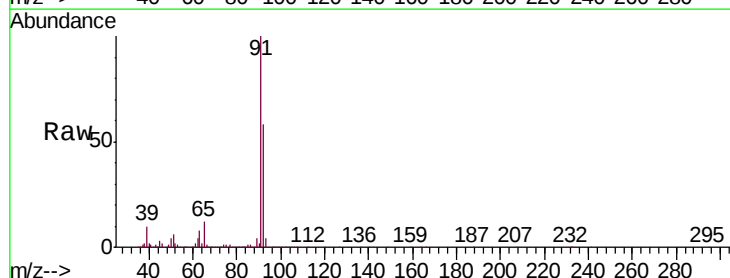
Acq: 08 Nov 2019 16:32

Tgt Ion: 91 Resp: 507495

Ion Ratio Lower Upper

91 100

92 58.1 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV013539.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV013539.D (-1955) (-)

7.43

300000

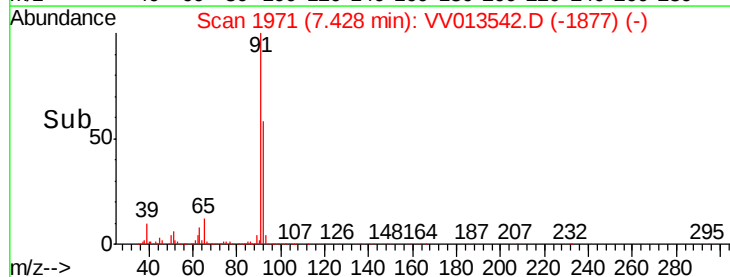
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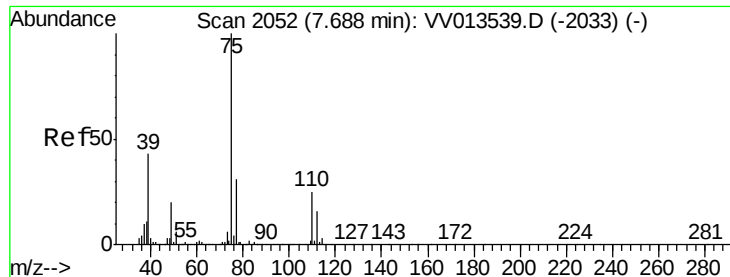
100000

0

7.30 7.40 7.50

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampleId :

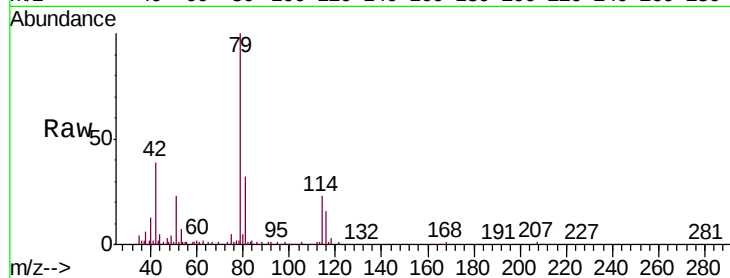
F2J00MS

Tgt Ion: 75 Resp: 3102

Ion Ratio Lower Upper

75 100

77 35.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV013539.D (-2033) (-)

Ion 77.05 (76.75 to 77.75): VV013539.D (-2033) (-)

7.67

1500

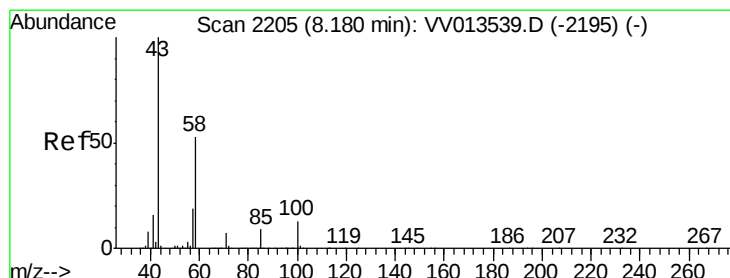
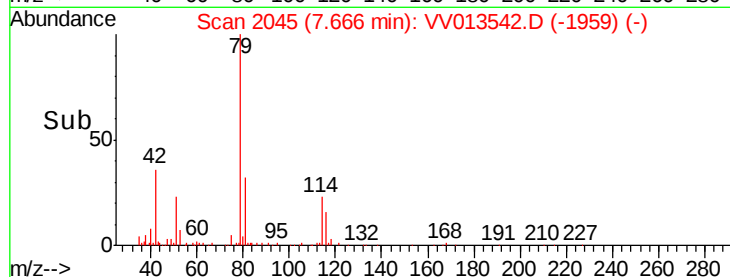
1000

500

0

7.60 7.65 7.70 7.75

Time-->



#48

2-Hexanone

Concen: 1.253 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Tgt Ion: 43 Resp: 16030

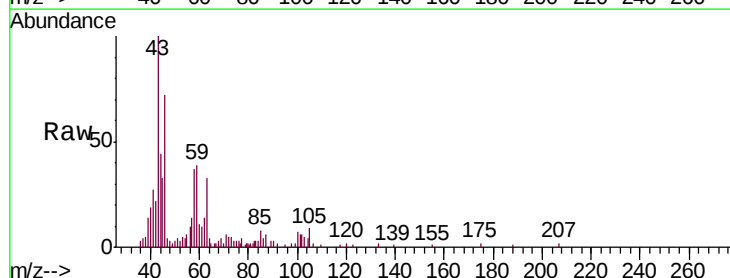
Ion Ratio Lower Upper

43 100

58 45.8 43.8 65.8

57 2.6 15.0 22.6#

100 8.2 9.8 14.6#



Abundance Ion 43.05 (42.75 to 43.75): VV013539.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013539.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013539.D (-2195) (-)

Ion 100.15 (99.85 to 100.85): VV013539.D (-2195) (-)

20000

15000

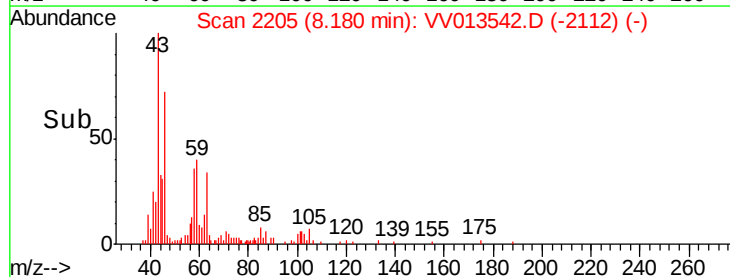
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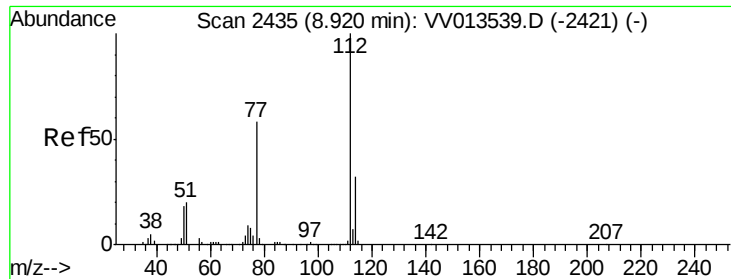
5000

0

8.15 8.20 8.25

Time-->





#51

Chlorobenzene

Concen: 4.262 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampleId :

F2J00MS

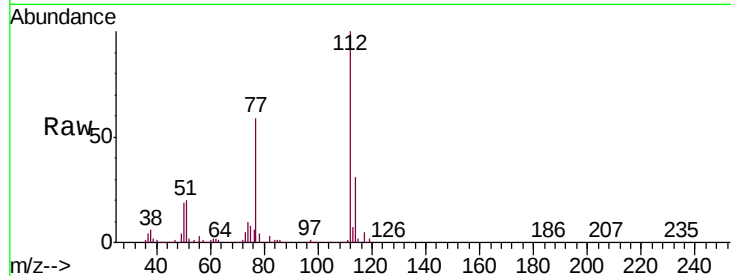
Tgt Ion:112 Resp: 373461

Ion Ratio Lower Upper

112 100

114 31.2 22.6 42.0

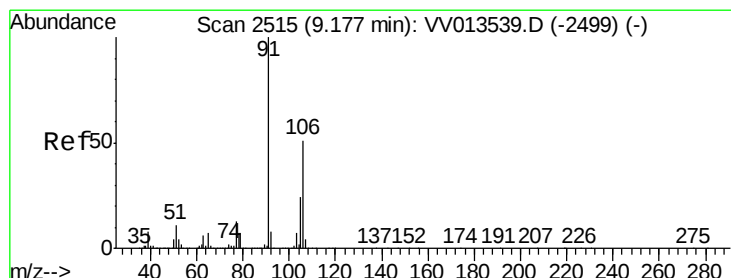
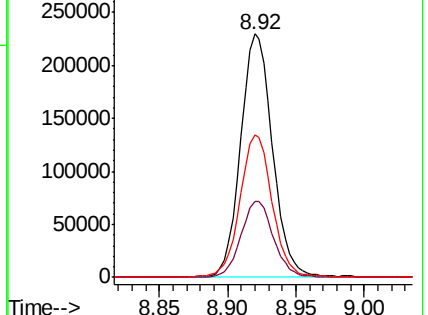
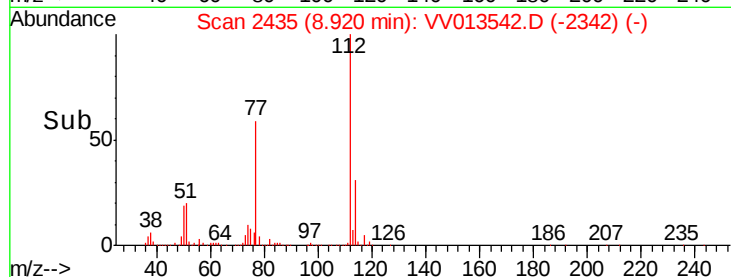
77 58.7 46.2 69.2



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): VV0



#53

m,p-xylene

Concen: 0.137 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013542.D

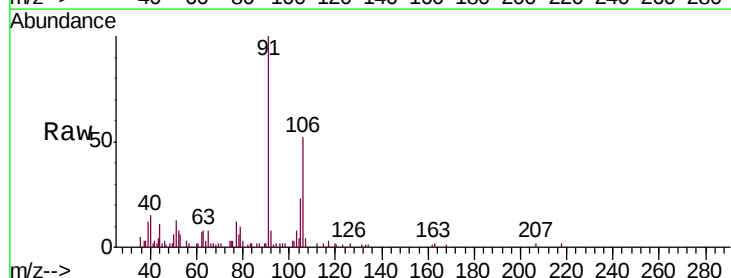
Acq: 08 Nov 2019 16:32

Tgt Ion:106 Resp: 7278

Ion Ratio Lower Upper

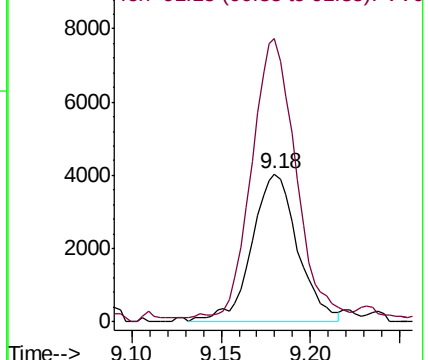
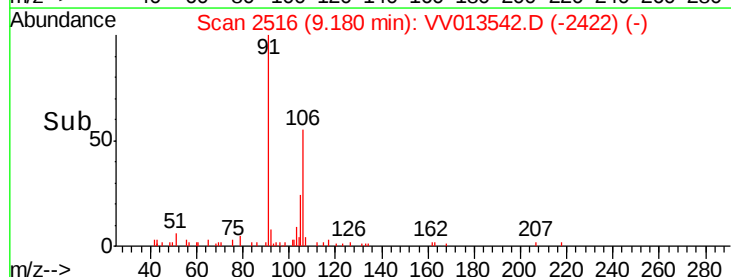
106 100

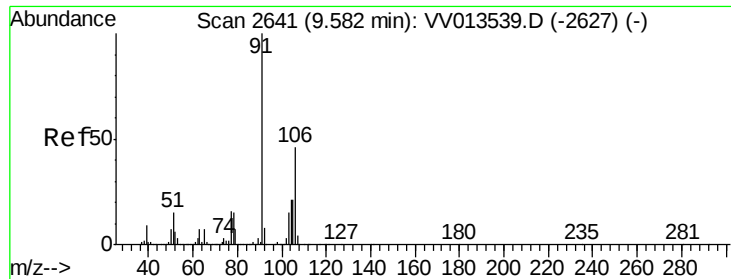
91 191.1 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 0.081 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampled :

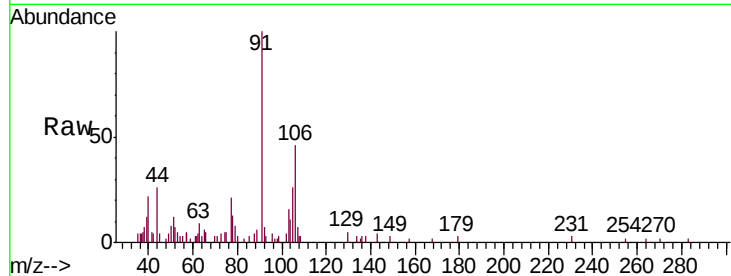
F2J00MS

Tgt Ion:106 Resp: 4128

Ion Ratio Lower Upper

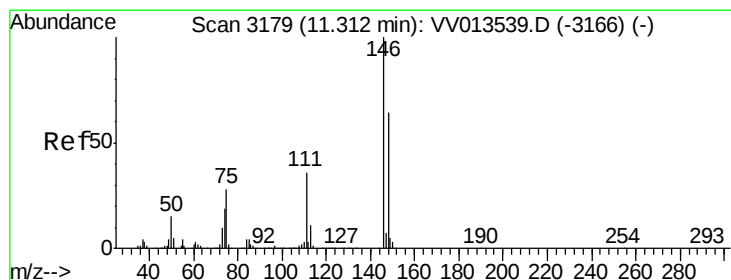
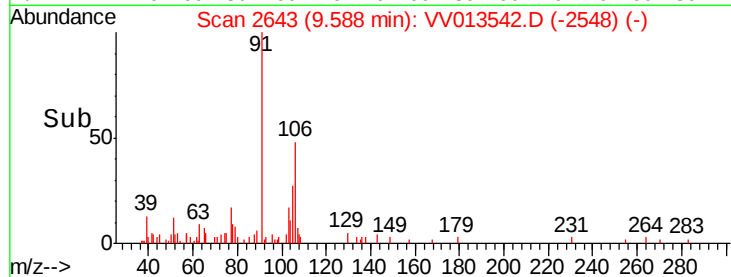
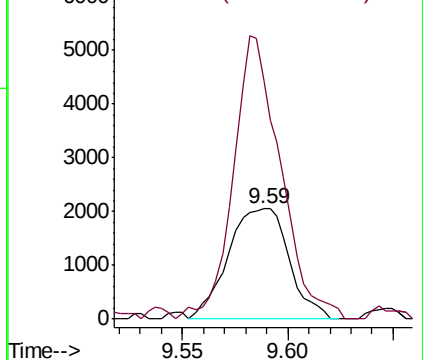
106 100

91 215.8 150.8 280.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#63

1,4-Dichlorobenzene

Concen: 0.064 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

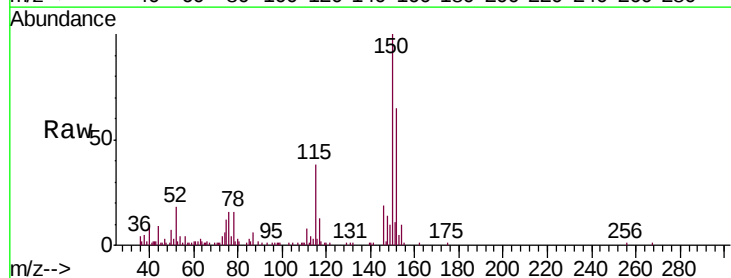
Tgt Ion:146 Resp: 4124

Ion Ratio Lower Upper

146 100

111 40.1 25.2 46.8

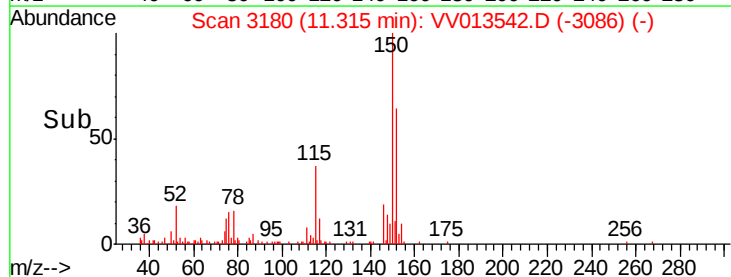
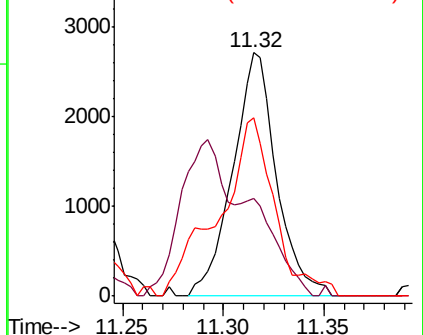
148 73.4 44.7 82.9

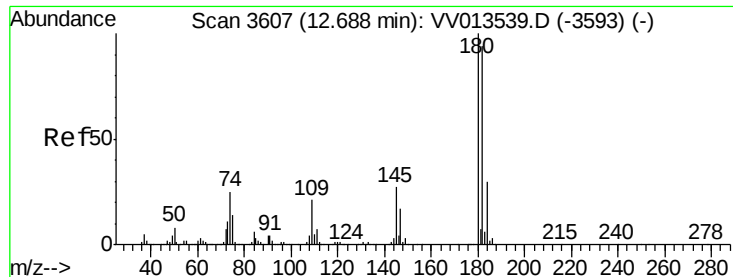


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

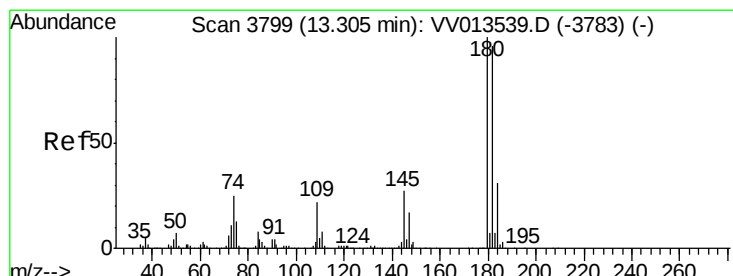
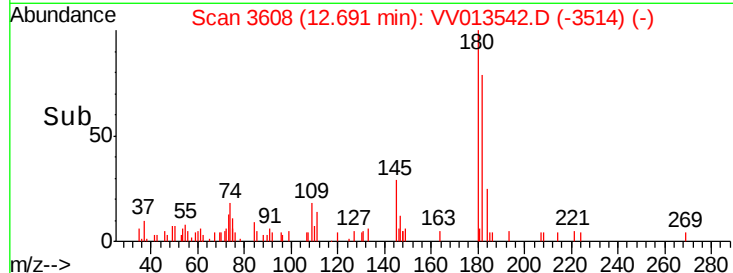
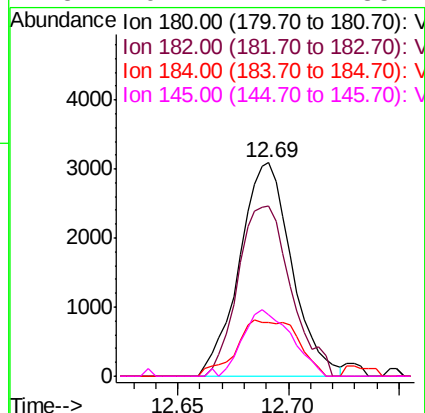
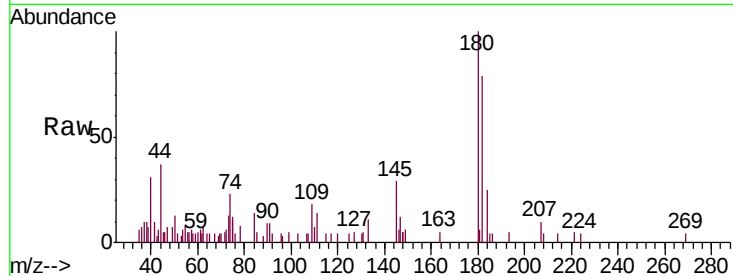




#67
 1,3,5-Trichlorobenzene
 Concen: 0.101 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013542.D
 Acq: 08 Nov 2019 16:32

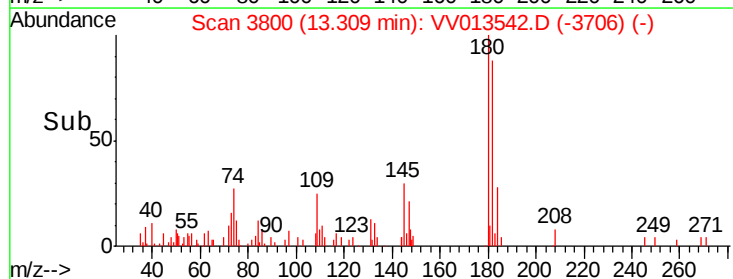
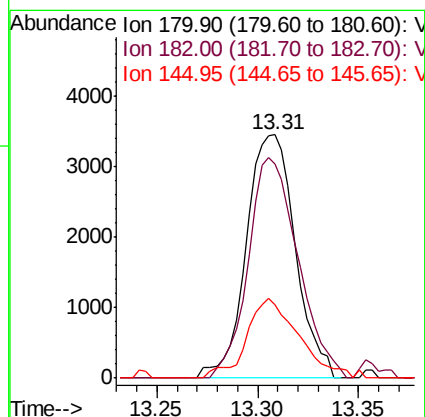
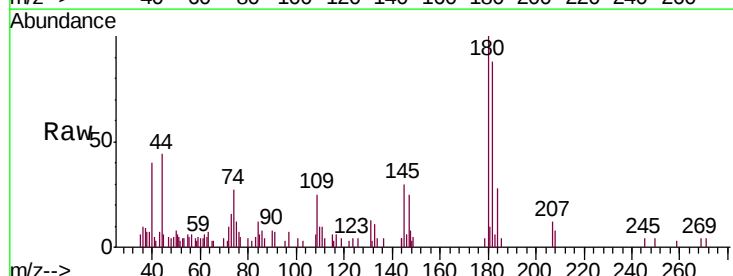
Instrument :
 MSVOA_V
 ClientSampleId :
 F2J00MS

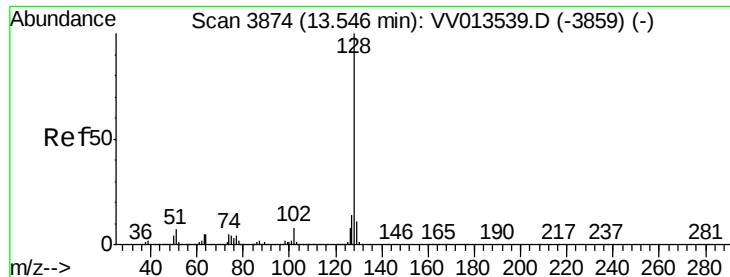
Tgt Ion:	180	Resp:	5086
Ion	Ratio	Lower	Upper
180	100		
182	80.3	76.8	115.2
184	30.9	25.0	37.6
145	29.4	22.1	33.1



#68
 1,2,4-trichlorobenzene
 Concen: 0.146 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013542.D
 Acq: 08 Nov 2019 16:32

Tgt Ion:	180	Resp:	5858
Ion	Ratio	Lower	Upper
180	100		
182	91.9	76.6	115.0
145	34.9	22.2	33.4#





#69

Naphthalene

Concen: 13.203 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

Instrument :

MSVOA_V

ClientSampleId :

F2J00MS

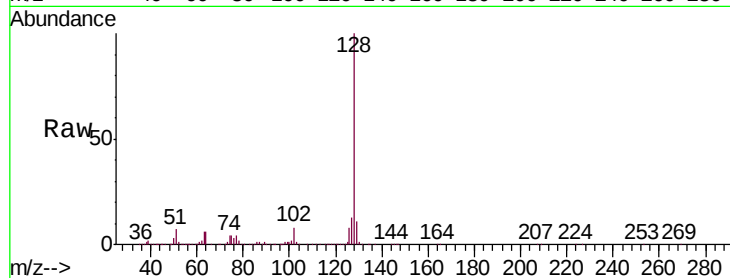
Tgt Ion:128 Resp: 715313

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

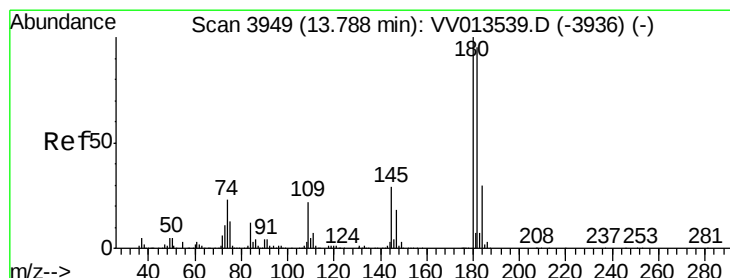
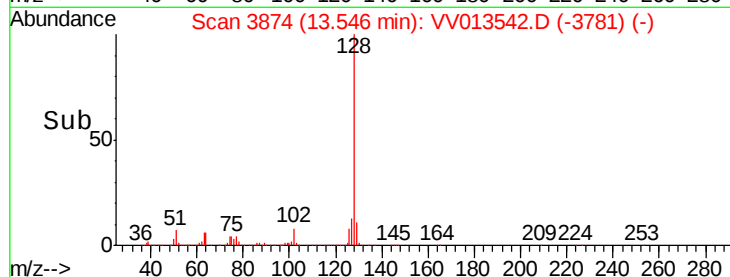
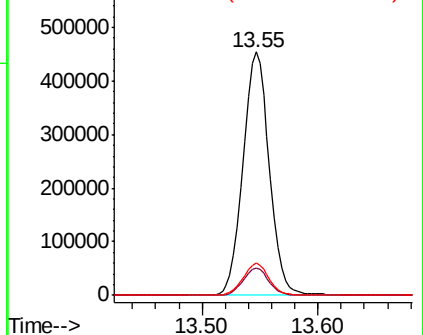
127 13.0 10.7 16.1



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: 0.137 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013542.D

Acq: 08 Nov 2019 16:32

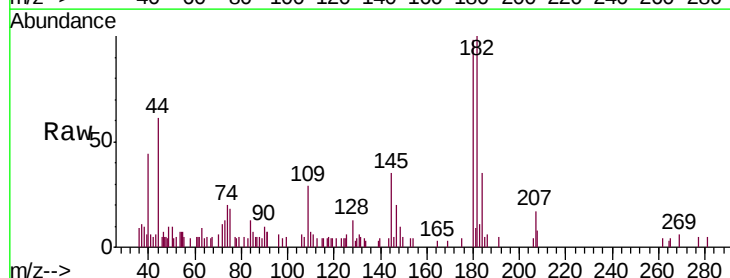
Tgt Ion:180 Resp: 5154

Ion Ratio Lower Upper

180 100

182 90.4 76.2 114.4

145 19.5 23.2 34.8#



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

