

Data File : VV013541.D
Acq On : 08 Nov 2019 16:08
Operator : SY/MD
Sample : K5747-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2J00

Quant Time: Nov 08 22:53:36 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	406271	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	405566	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	185953	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92547	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.58	69	83846	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.13	63	118509	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	3.92	46	300537	48.96	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.39	84	221798	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.07	65	122689	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.09	84	412305	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.11	67	146361	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.35	98	326879	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.66	79	45928	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.13	63	176734	41.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	96826	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	170742	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
13) Acetone	2.18	43	29304	7.869 ug/L	99
14) Carbon disulfide	2.32	76	3433	0.047 ug/L #	86
15) Methyl Acetate	2.30	43	8563	0.769 ug/L #	54
16) Methylene chloride	2.53	84	6873	0.215 ug/L	91
25) Chloroform	4.42	83	23004	0.373 ug/L	99
35) Methylcyclohexane	6.11	83	35933	0.696 ug/L #	18
42) Toluene	7.43	91	9023	0.069 ug/L	95
44) trans-1,3-Dichloropropene	7.66	75	2263	0.067 ug/L	92
48) 2-Hexanone	8.18	43	18696	1.481 ug/L	96
53) m,p-xylene	9.18	106	5678	0.108 ug/L	84
63) 1,4-Dichlorobenzene	11.31	146	6155	0.099 ug/L	87
65) 1,2-Dichlorobenzene	11.68	146	4383	0.077 ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	6740	0.138 ug/L #	90
68) 1,2,4-trichlorobenzene	13.31	180	8731	0.225 ug/L	97
69) Naphthalene	13.55	128	465596	8.890 ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	7756	0.213 ug/L	96

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

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QLast Update : Fri Nov 08 22:42:17 2019
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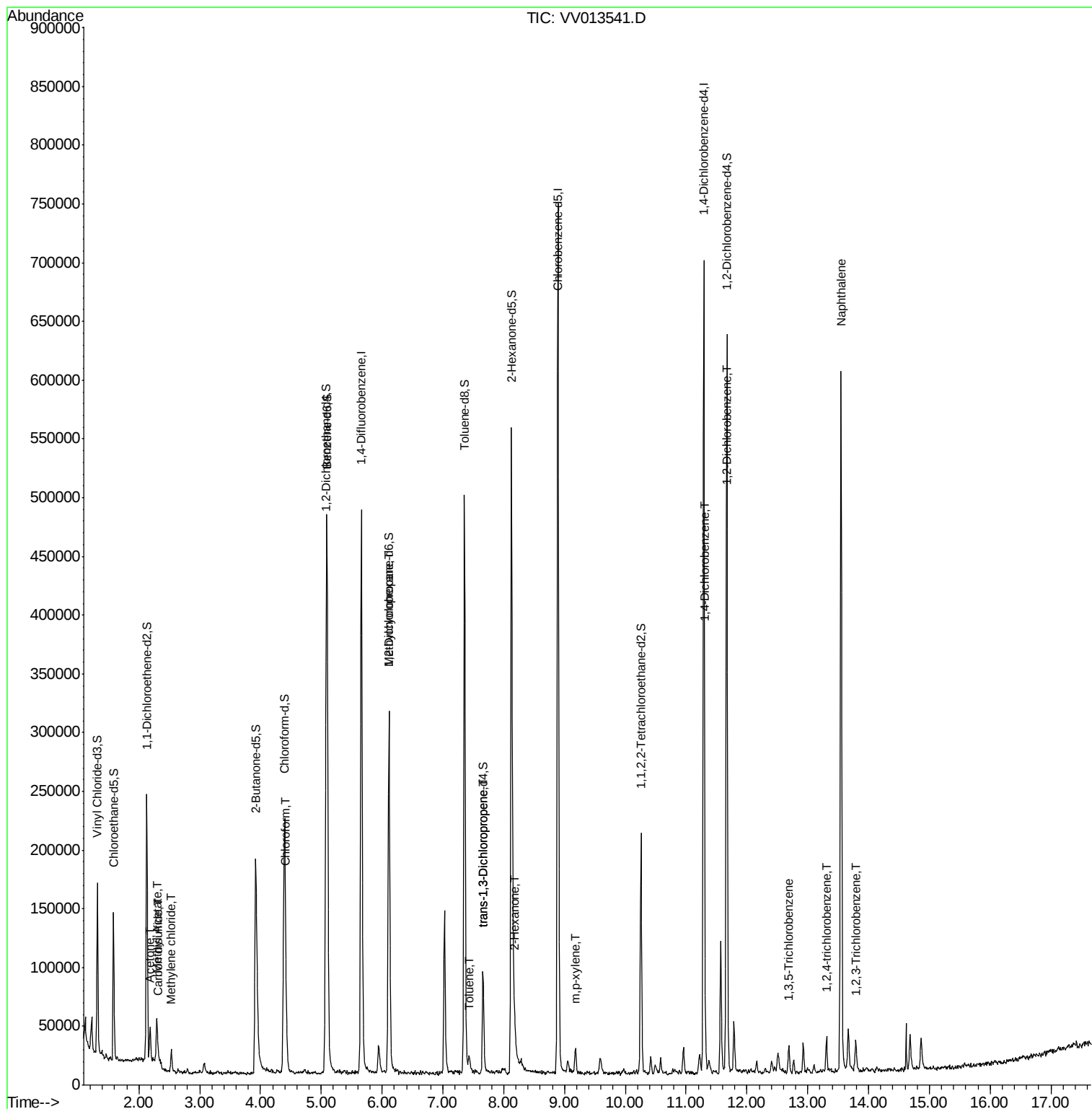
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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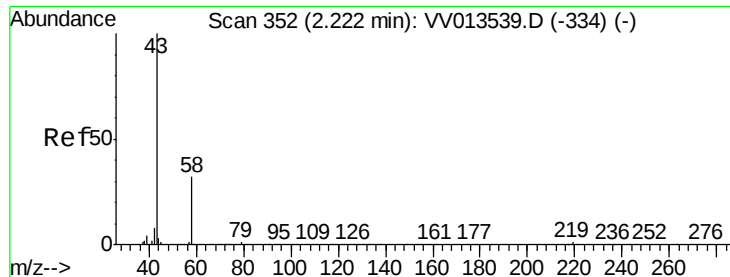
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration





#13

Acetone

Concen: 7.869 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

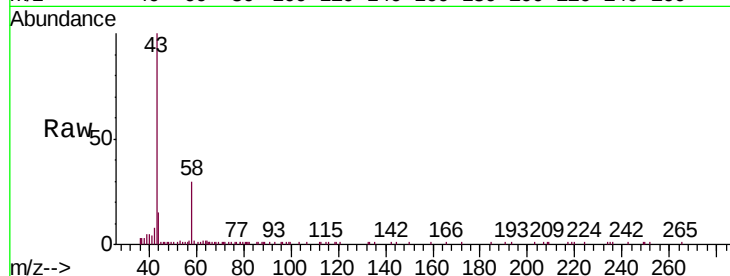
F2J00

Tgt Ion: 43 Resp: 29304

Ion Ratio Lower Upper

43 100

58 31.0 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

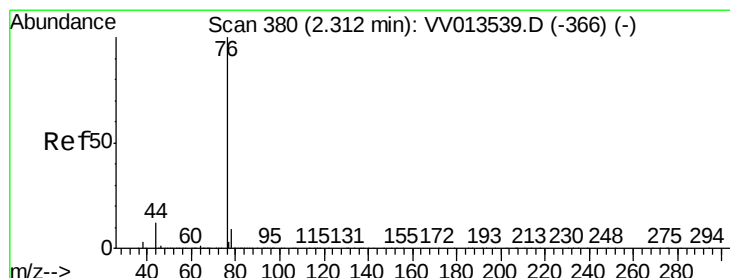
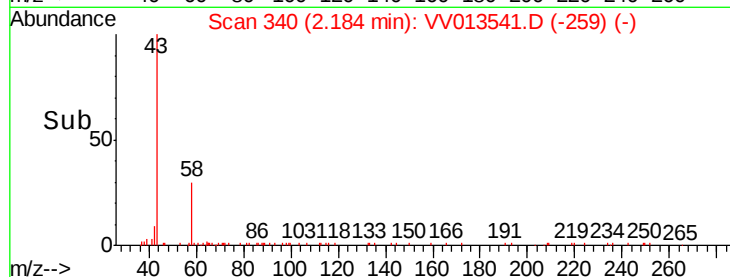
10000

5000

0

2.10 2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.047 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013541.D

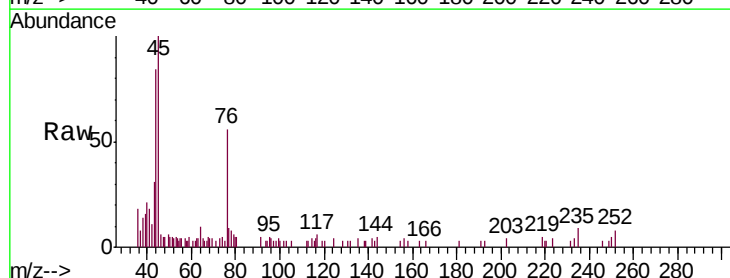
Acq: 08 Nov 2019 16:08

Tgt Ion: 76 Resp: 3433

Ion Ratio Lower Upper

76 100

78 14.4 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2500

2000

1500

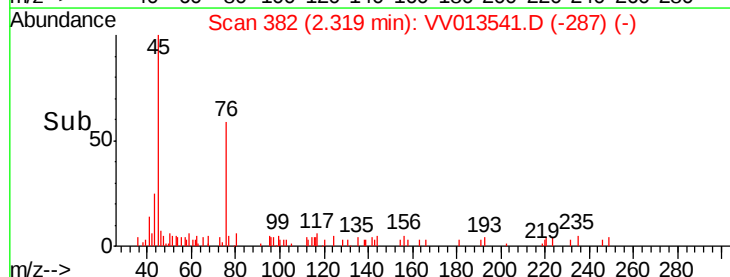
1000

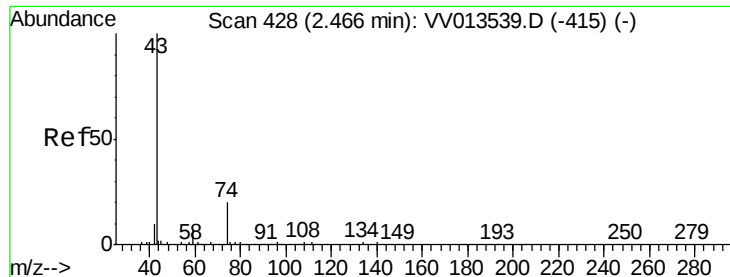
500

0

2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 0.769 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.17 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

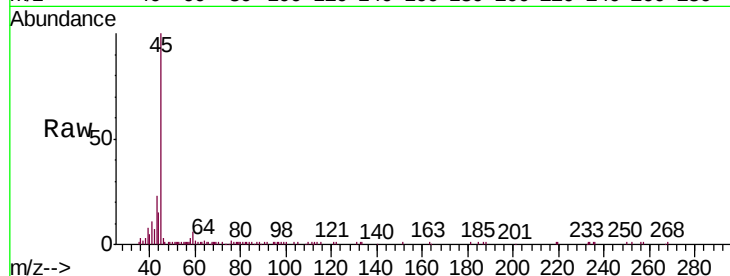
F2J00

Tgt Ion: 43 Resp: 8563

Ion Ratio Lower Upper

43 100

74 1.5 19.4 29.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

6000

5000

4000

3000

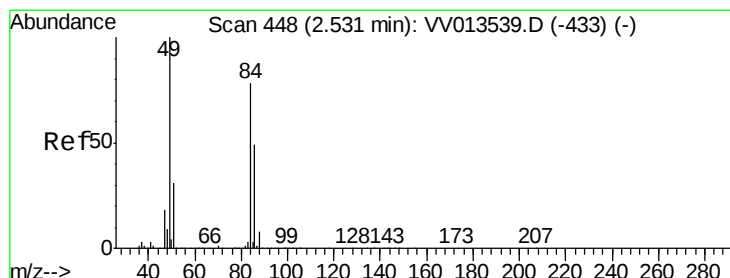
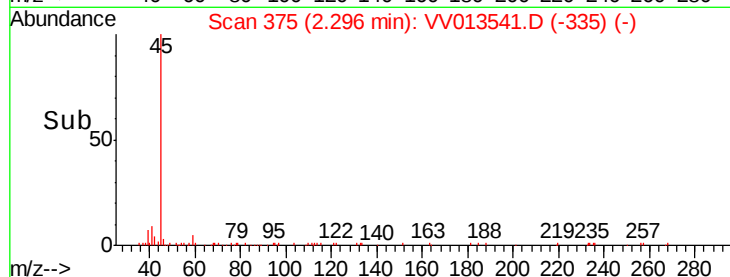
2000

1000

0

Time-->

2.25 2.30 2.35



#16

Methylene chloride

Concen: 0.215 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

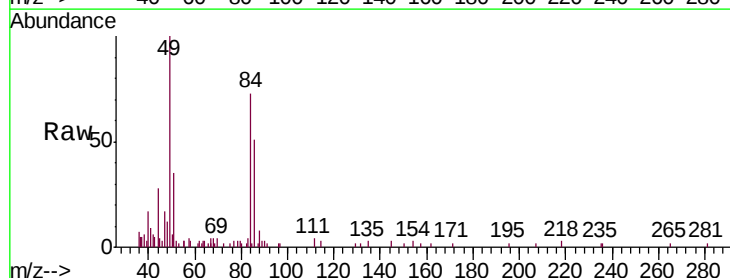
Tgt Ion: 84 Resp: 6873

Ion Ratio Lower Upper

84 100

86 69.9 44.2 82.2

49 137.3 88.8 164.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

8000

6000

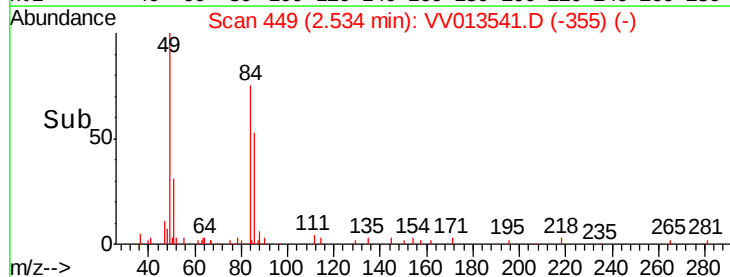
4000

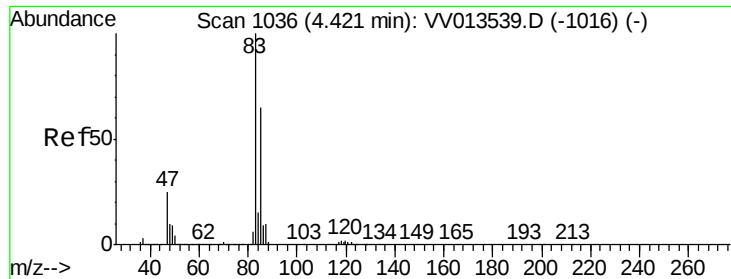
2000

0

Time-->

2.50 2.55

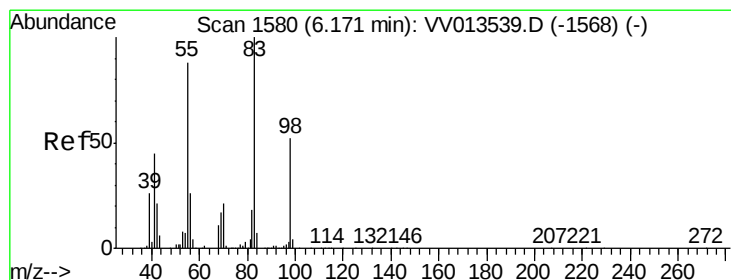
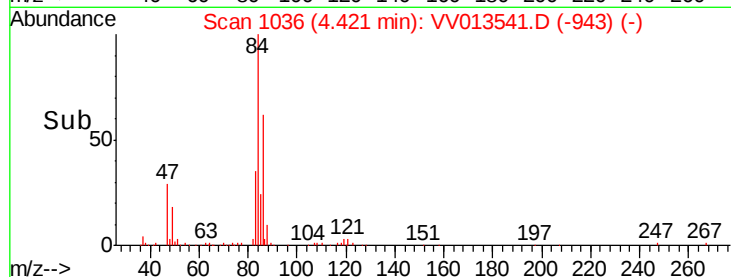
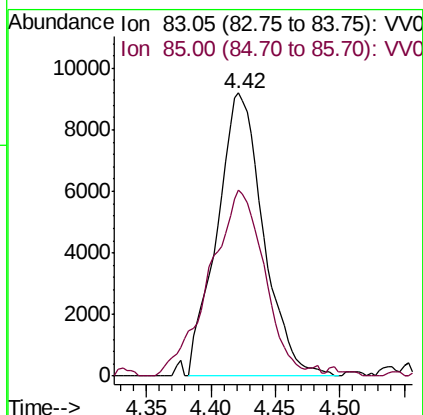
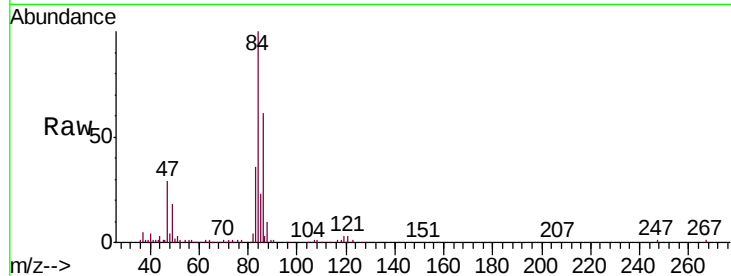




#25
Chloroform
Concen: 0.373 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013541.D
Acq: 08 Nov 2019 16:08

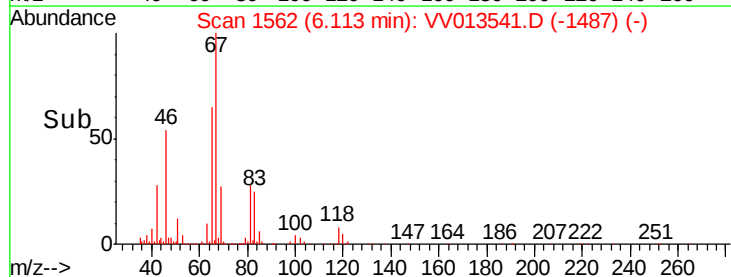
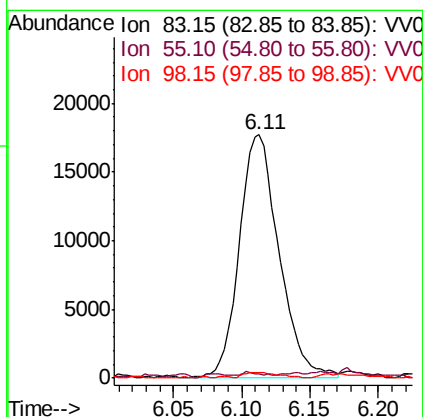
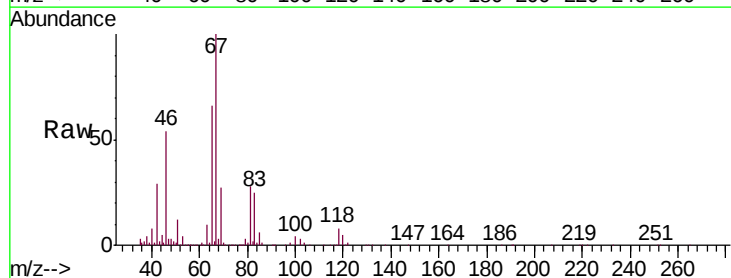
Instrument :
MSVOA_V
ClientSampled :
F2J00

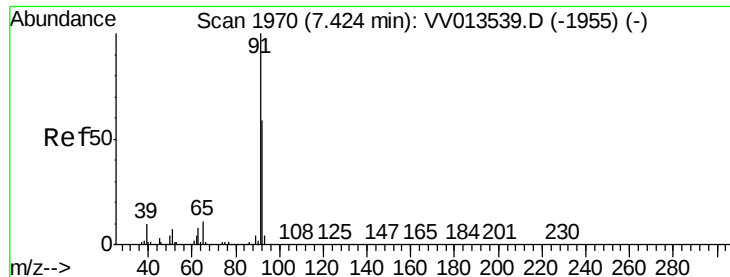
Tgt Ion: 83 Resp: 23004
Ion Ratio Lower Upper
83 100
85 65.6 46.3 86.1



#35
Methylcyclohexane
Concen: 0.696 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013541.D
Acq: 08 Nov 2019 16:08

Tgt Ion: 83 Resp: 35933
Ion Ratio Lower Upper
83 100
55 0.7 63.8 95.8#
98 2.1 38.4 57.6#





#42

Toluene

Concen: 0.069 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

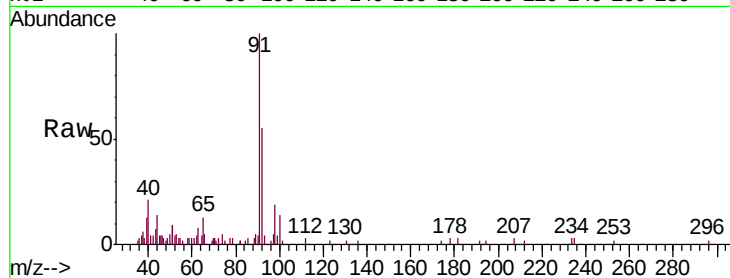
F2J00

Tgt Ion: 91 Resp: 9023

Ion Ratio Lower Upper

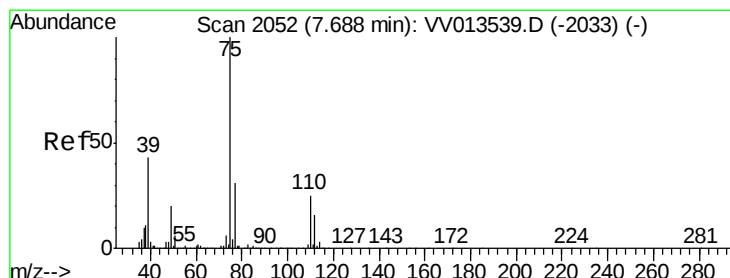
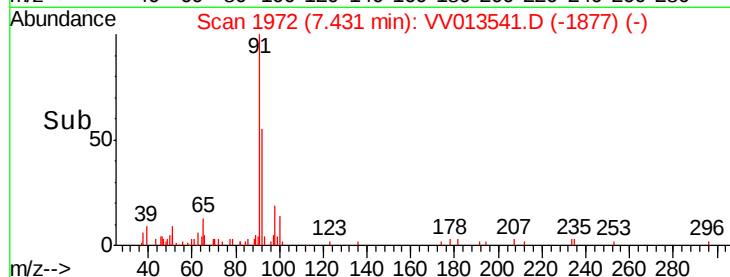
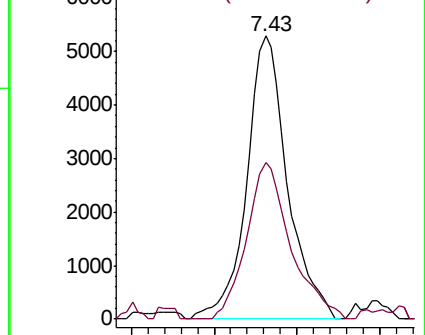
91 100

92 55.3 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013541.D

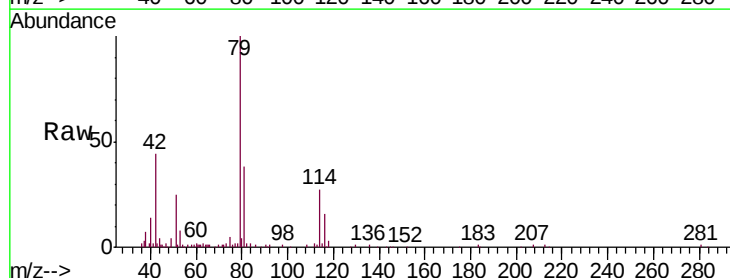
Acq: 08 Nov 2019 16:08

Tgt Ion: 75 Resp: 2263

Ion Ratio Lower Upper

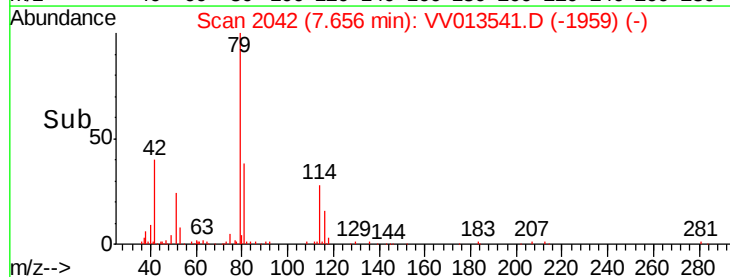
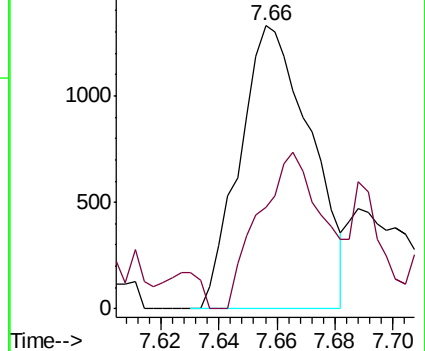
75 100

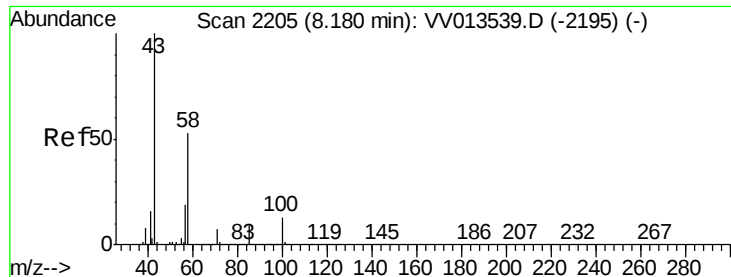
77 36.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

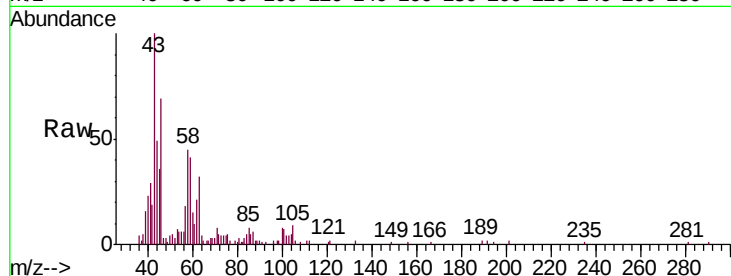




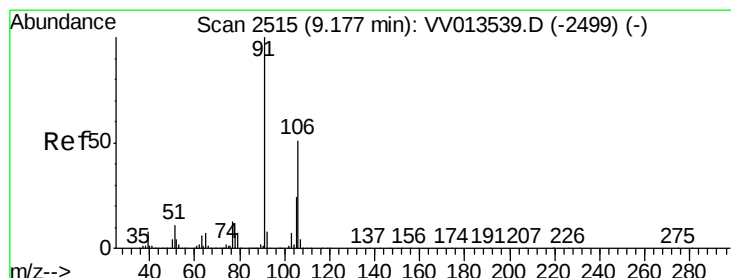
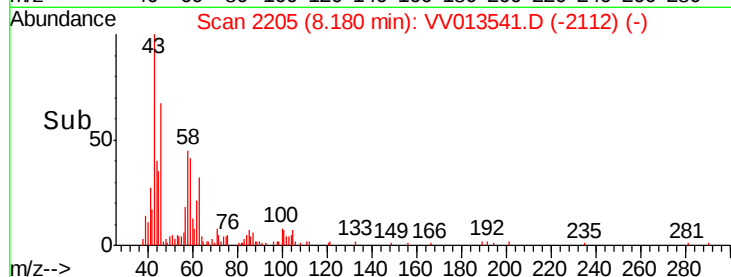
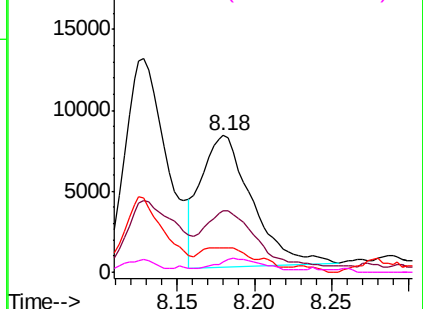
#48
2-Hexanone
Concen: 1.481 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013541.D
Acq: 08 Nov 2019 16:08

Instrument :
MSVOA_V
ClientSampleId :
F2J00

Tgt Ion:	43	Resp:	18696
Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.8	65.8
57	20.3	15.0	22.6
100	10.1	9.8	14.6

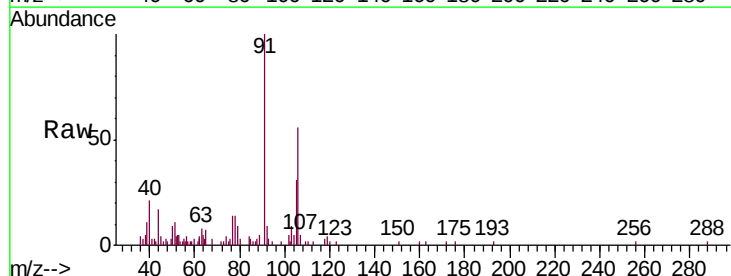


Abundance Ion 43.05 (42.75 to 43.75): VV013541.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV013541.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV013541.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV013541.D (-2112) (-)

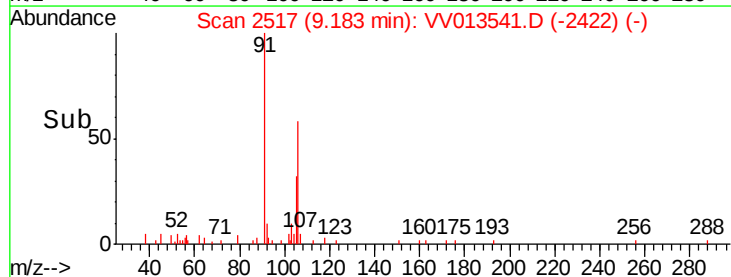
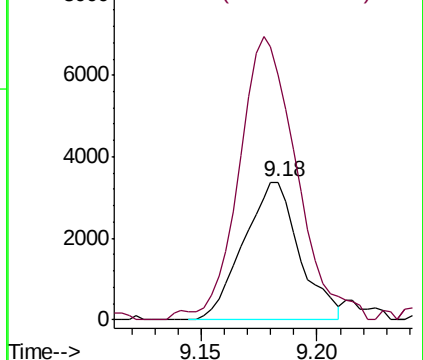


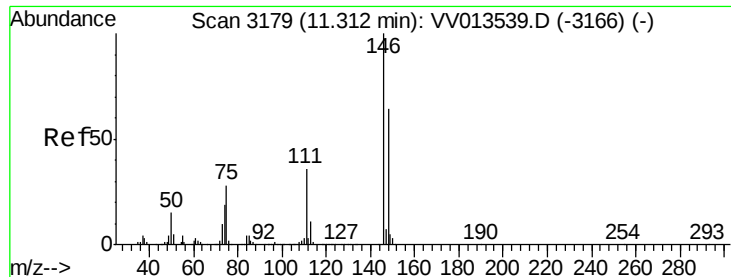
#53
m,p-xylene
Concen: 0.108 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.01 min
Lab File: VV013541.D
Acq: 08 Nov 2019 16:08

Tgt Ion:	106	Resp:	5678
Ion	Ratio	Lower	Upper
106	100		
91	178.0	142.0	263.6



Abundance Ion 106.15 (105.85 to 106.85): VV013541.D (-2422) (-)
Ion 91.15 (90.85 to 91.85): VV013541.D (-2422) (-)

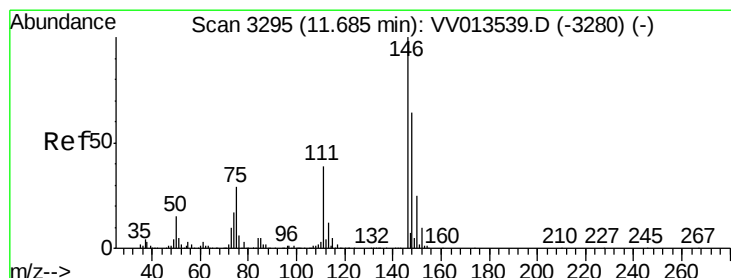
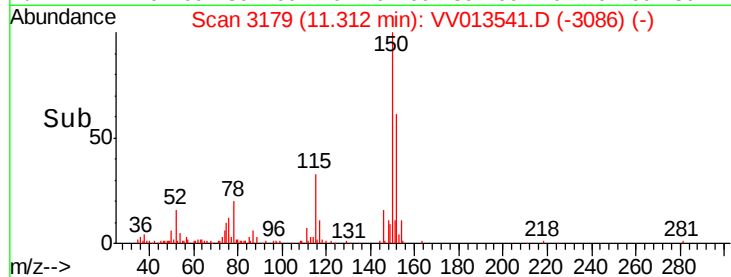
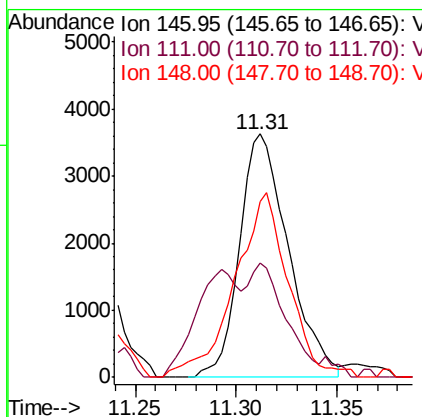
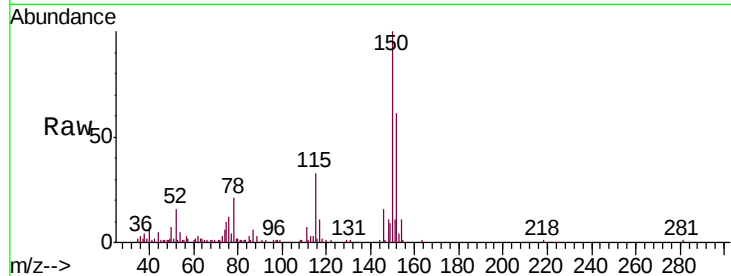




#63
 1,4-Dichlorobenzene
 Concen: 0.099 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013541.D
 Acq: 08 Nov 2019 16:08

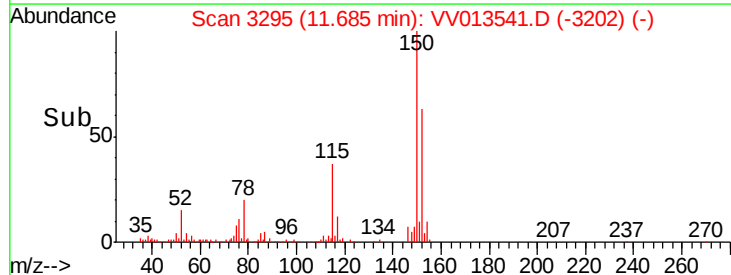
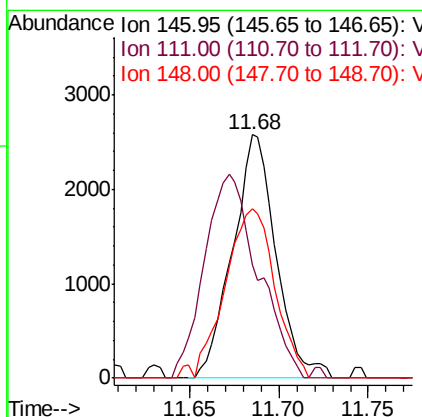
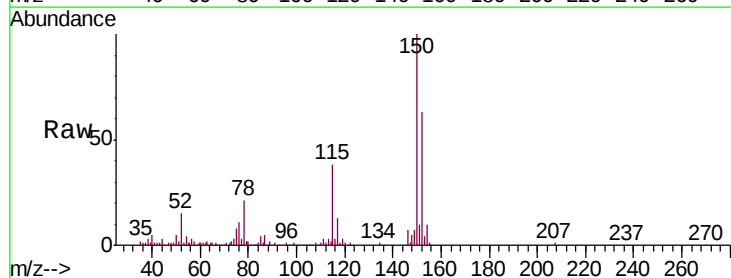
Instrument :
 MSVOA_V
 ClientSampled :
 F2J00

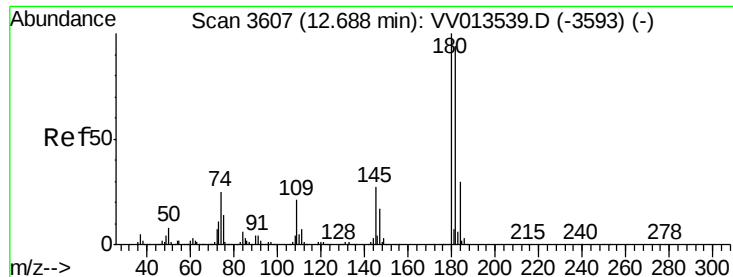
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	25.2	46.8
148	72.2	44.7	82.9



#65
 1,2-Dichlorobenzene
 Concen: 0.077 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013541.D
 Acq: 08 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	31.2	46.8
148	69.8	49.4	74.2

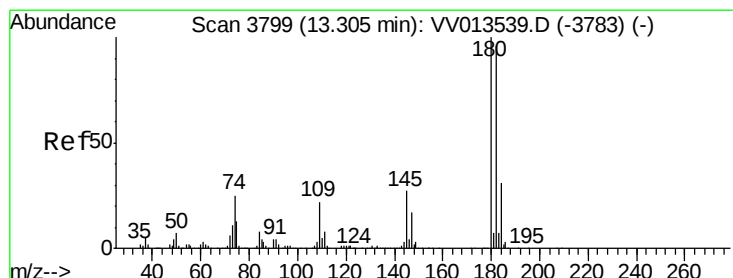
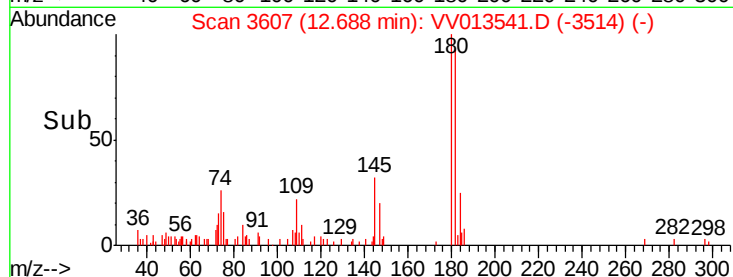
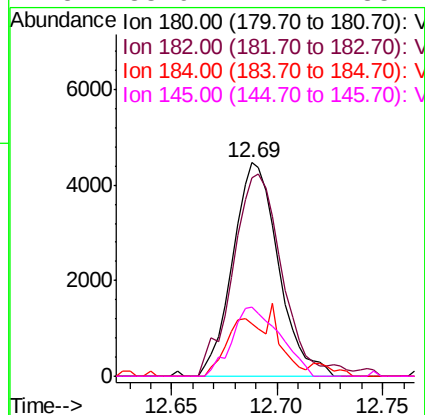
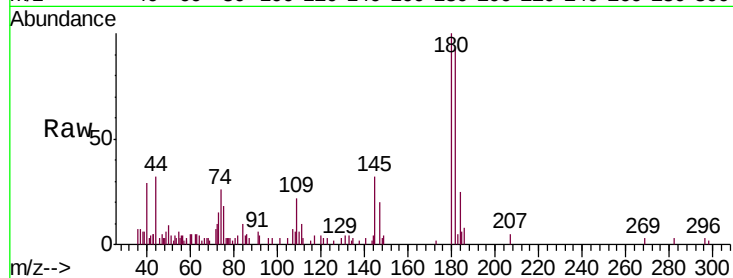




#67
 1,3,5-Trichlorobenzene
 Concen: 0.138 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013541.D
 Acq: 08 Nov 2019 16:08

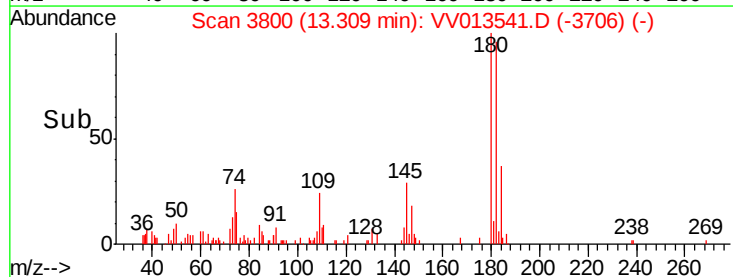
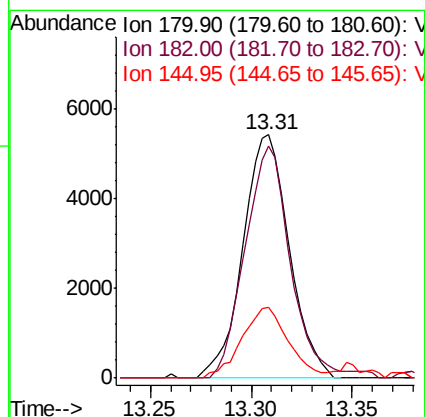
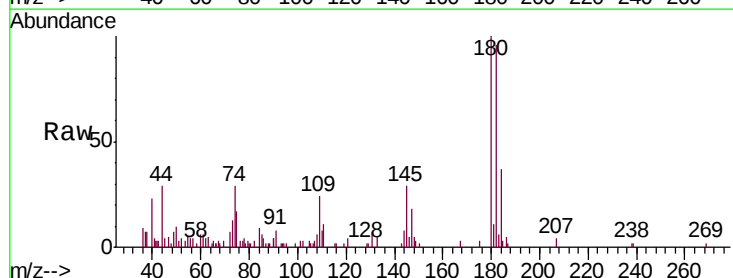
Instrument :
 MSVOA_V
 ClientSampleId :
 F2J00

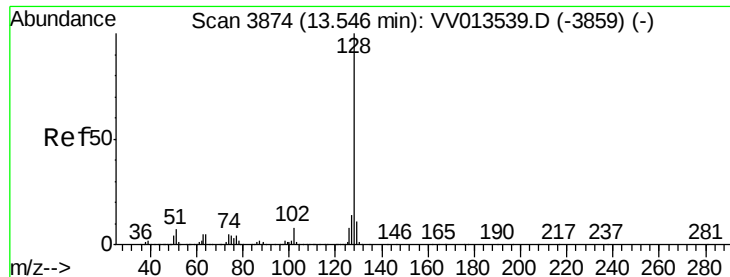
Tgt Ion:180 Resp: 6740
 Ion Ratio Lower Upper
 180 100
 182 102.2 76.8 115.2
 184 21.3 25.0 37.6#
 145 33.9 22.1 33.1#



#68
 1,2,4-trichlorobenzene
 Concen: 0.225 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013541.D
 Acq: 08 Nov 2019 16:08

Tgt Ion:180 Resp: 8731
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.6 115.0
 145 29.1 22.2 33.4





#69

Naphthalene

Concen: 8.890 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

F2J00

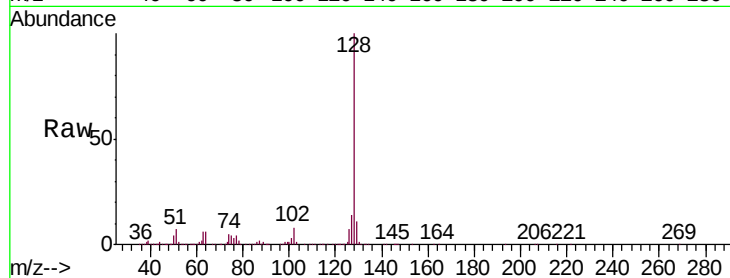
Tgt Ion:128 Resp: 465596

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

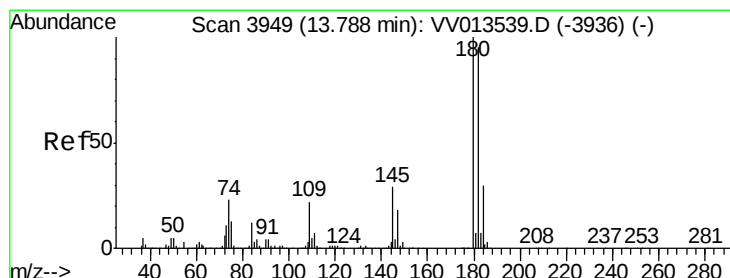
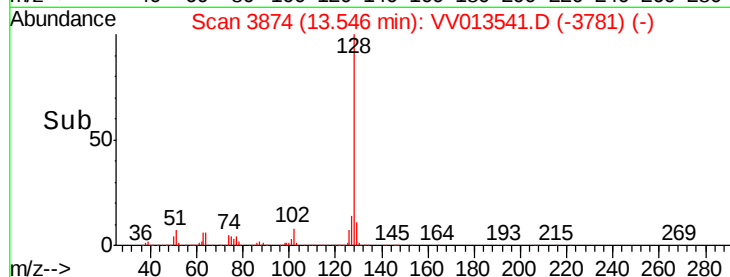
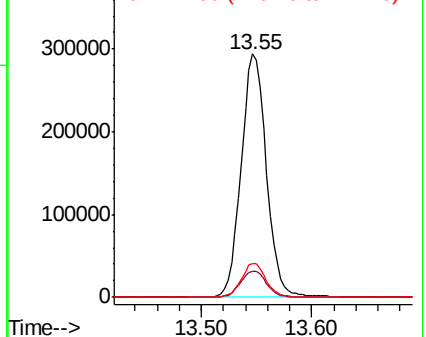
127 13.8 10.7 16.1



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: 0.213 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013541.D

Acq: 08 Nov 2019 16:08

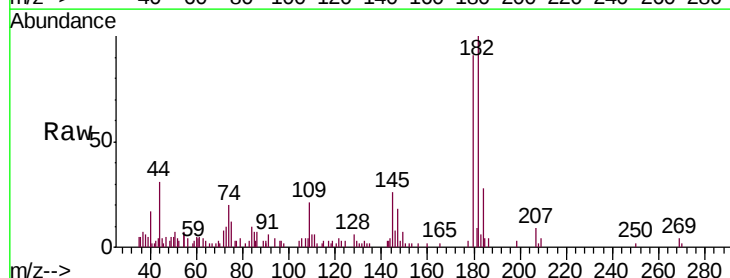
Tgt Ion:180 Resp: 7756

Ion Ratio Lower Upper

180 100

182 99.1 76.2 114.4

145 32.2 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

