

Data File : VV013479.D
Acq On : 04 Nov 2019 17:04
Operator : SY/MD
Sample : K5656-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5451

Quant Time: Nov 05 07:20:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 07:17:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	332402	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	354144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	181663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130183	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.58	69	109119	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.13	63	173082	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.93	46	377250	49.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.40%
24) Chloroform-d	4.40	84	297973	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	150941	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	580328	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	178370	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	496839	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.66	79	60476	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.13	63	223369	41.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	130506	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	191097	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

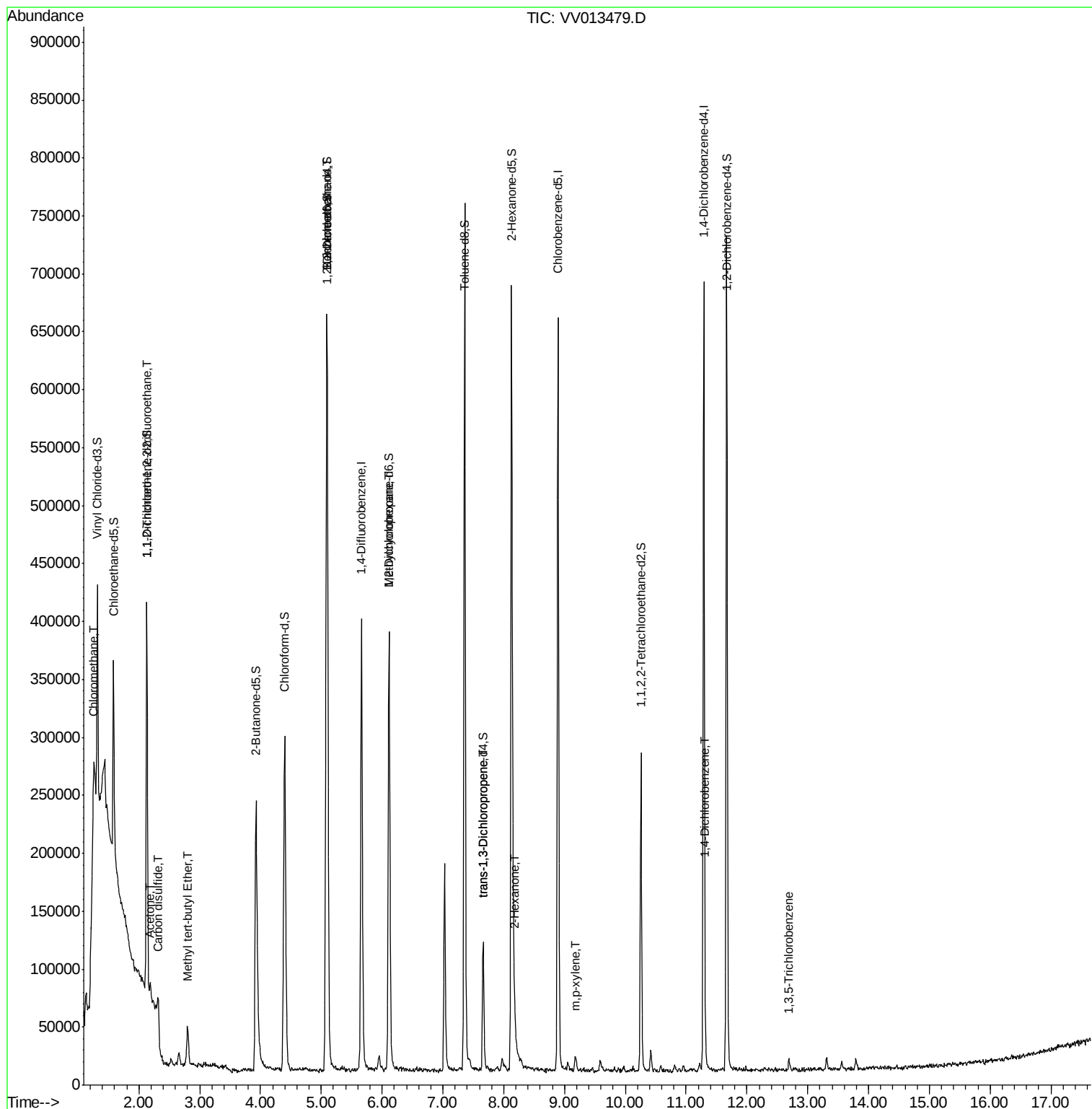
					Qvalue
3) Chloromethane	1.25	50	28965	0.885 ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2082	0.083 ug/L #	51
13) Acetone	2.18	43	12764	3.712 ug/L	91
14) Carbon disulfide	2.32	76	13423	0.185 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	28847	0.414 ug/L	96
27) 1,2-Dichloroethane	5.10	62	3698	0.105 ug/L	99
35) Methylcyclohexane	6.11	83	43580	0.822 ug/L #	17
44) trans-1,3-Dichloropropene	7.66	75	3096	0.089 ug/L #	57
48) 2-Hexanone	8.18	43	22220	1.527 ug/L #	62
53) m,p-xylene	9.17	106	3786	0.071 ug/L	74
63) 1,4-Dichlorobenzene	11.32	146	3444	0.058 ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	3124	0.066 ug/L	97

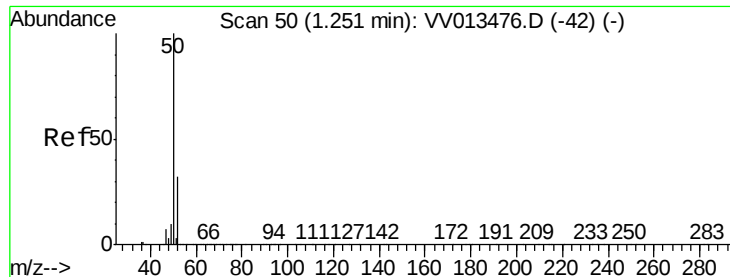
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.885 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013479.D

Acq: 04 Nov 2019 17:04

Instrument :

MSVOA_V

ClientSampleId :

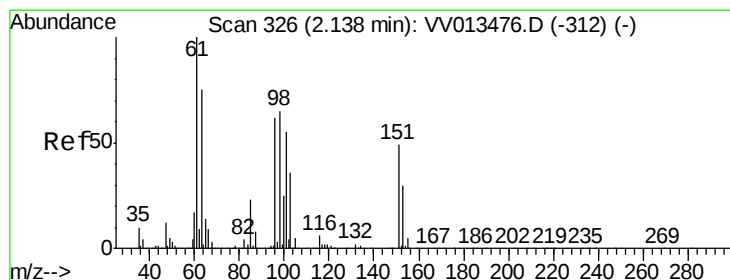
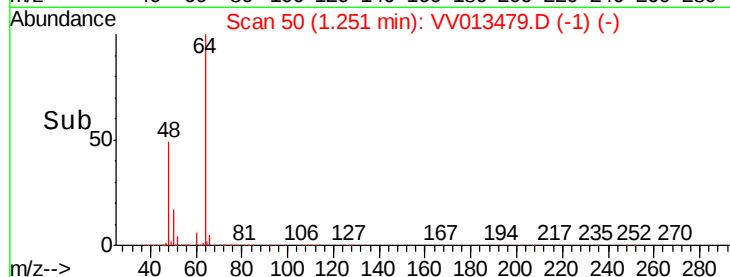
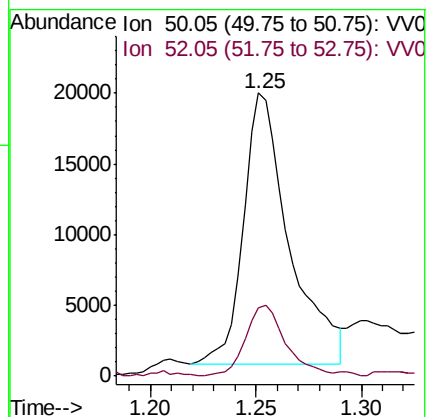
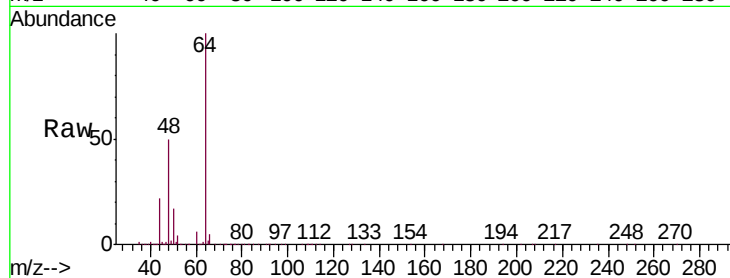
A5451

Tgt Ion: 50 Resp: 28965

Ion Ratio Lower Upper

50 100

52 24.1 23.4 43.6



#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013479.D

Acq: 04 Nov 2019 17:04

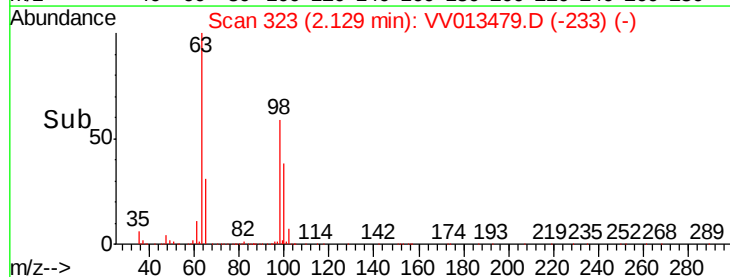
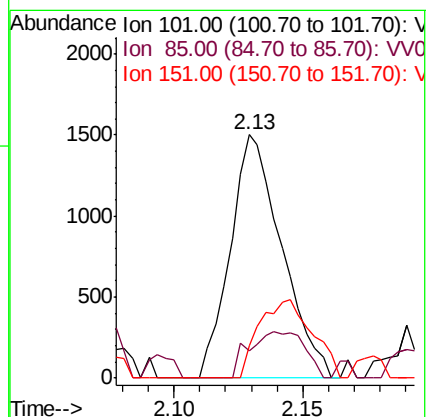
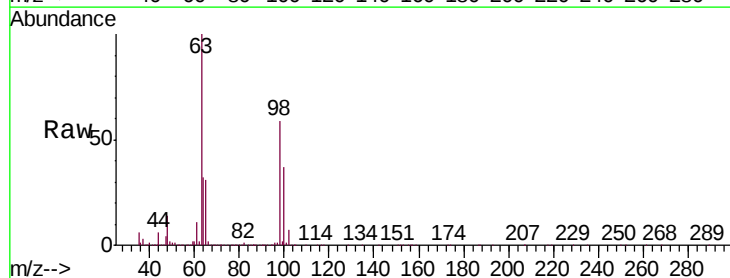
Tgt Ion: 101 Resp: 2082

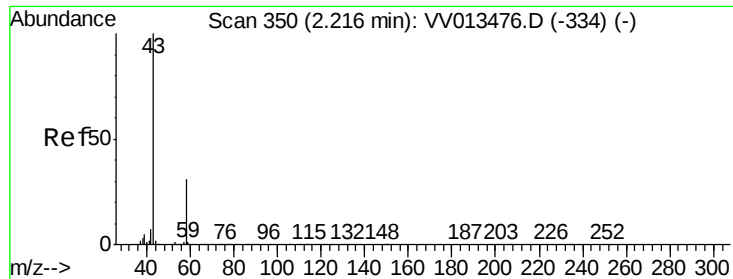
Ion Ratio Lower Upper

101 100

85 20.7 33.1 49.7#

151 33.5 68.8 103.2#





#13

Acetone

Concen: 3.712 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013479.D

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ClientSampleId :

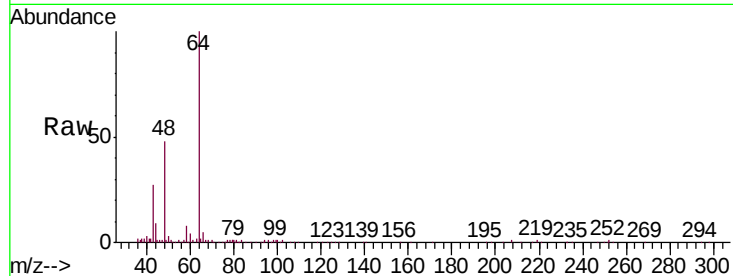
A5451

Tgt Ion: 43 Resp: 12764

Ion Ratio Lower Upper

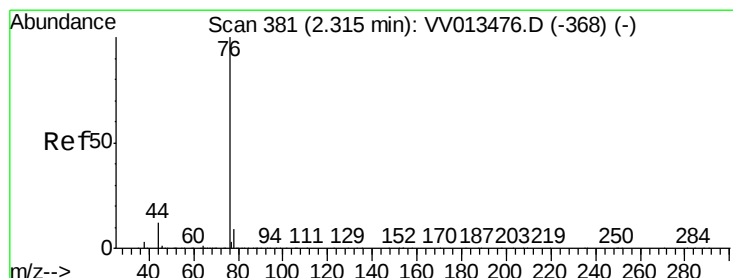
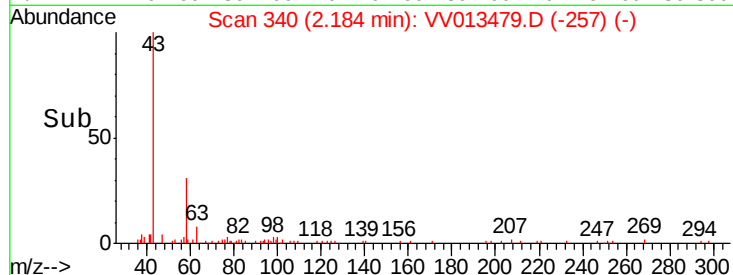
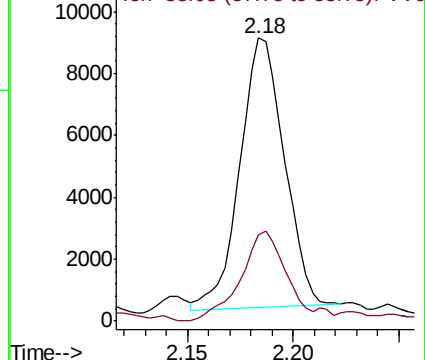
43 100

58 33.9 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.185 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013479.D

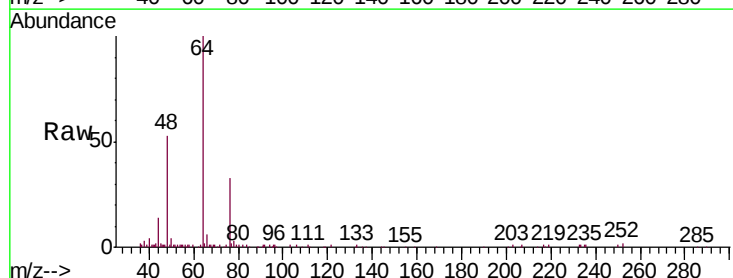
Acq: 04 Nov 2019 17:04

Tgt Ion: 76 Resp: 13423

Ion Ratio Lower Upper

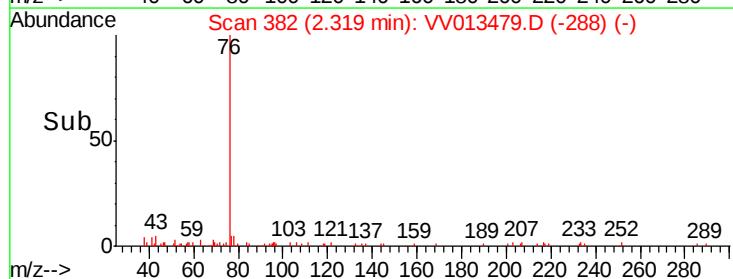
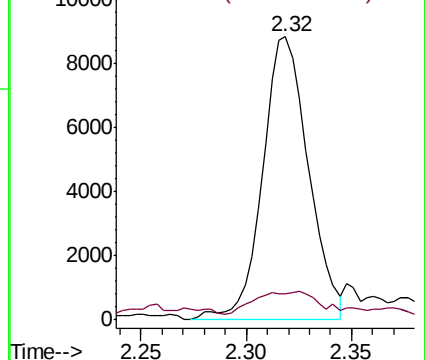
76 100

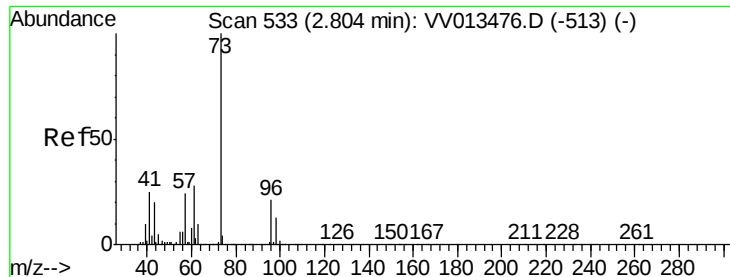
78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#17

Methyl tert-butyl Ether

Concen: 0.414 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013479.D

Acq: 04 Nov 2019 17:04

Instrument :

MSVOA_V

ClientSampleId :

A5451

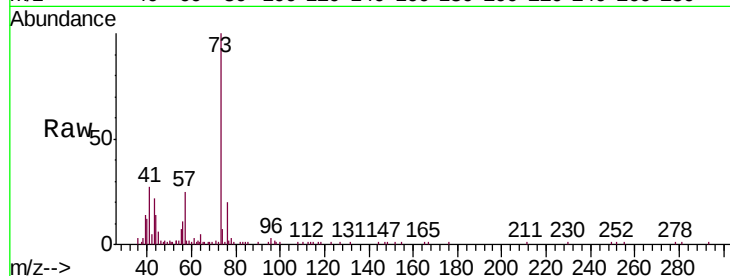
Tgt Ion: 73 Resp: 28847

Ion Ratio Lower Upper

73 100

43 19.4 15.9 23.9

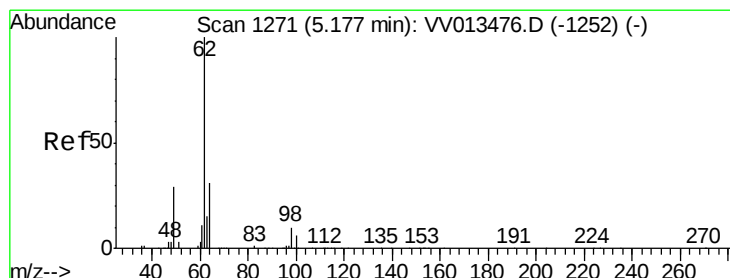
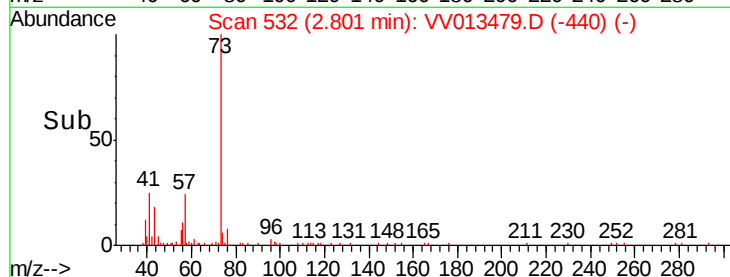
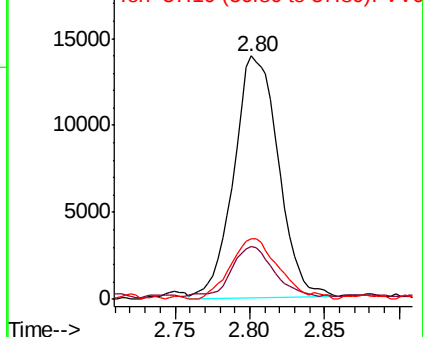
57 26.6 18.5 27.7



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



#27

1,2-Dichloroethane

Concen: 0.105 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV013479.D

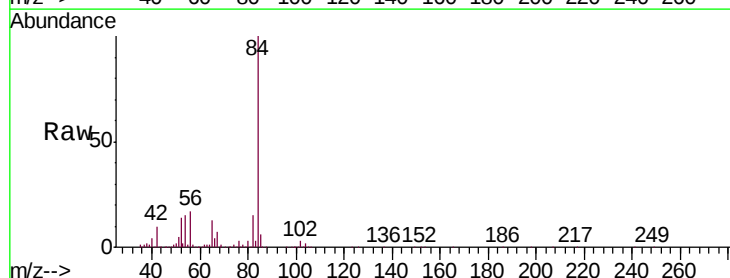
Acq: 04 Nov 2019 17:04

Tgt Ion: 62 Resp: 3698

Ion Ratio Lower Upper

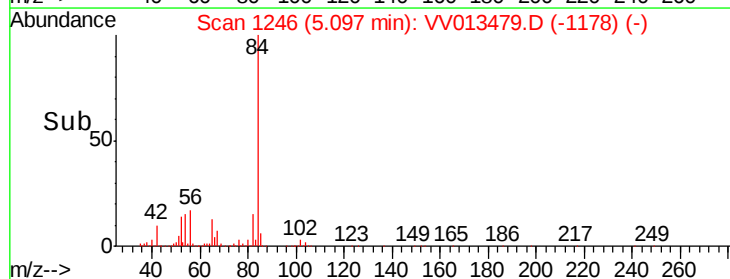
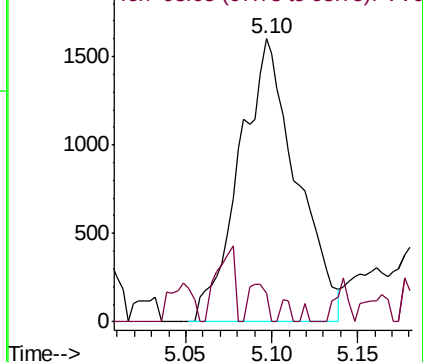
62 100

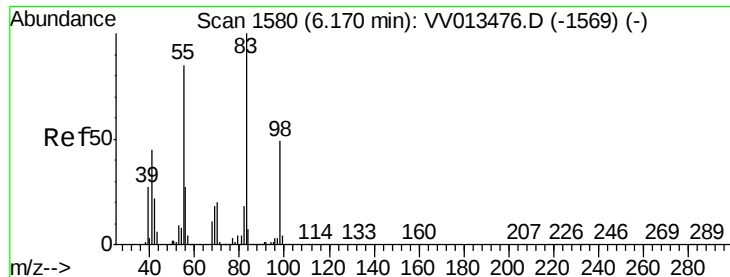
98 10.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#35

Methylcyclohexane

Concen: 0.822 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013479.D

Acq: 04 Nov 2019 17:04

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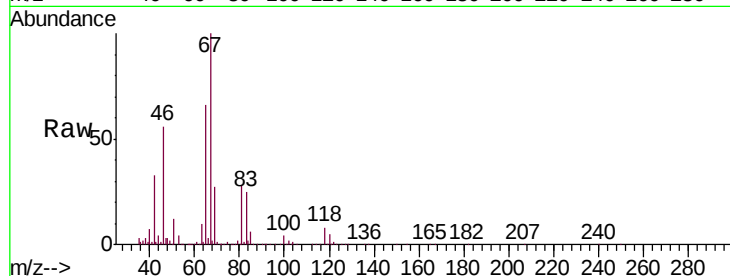
Tgt Ion: 83 Resp: 43580

Ion Ratio Lower Upper

83 100

55 0.5 64.6 96.8#

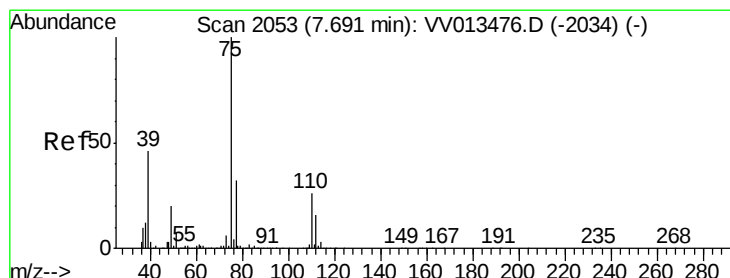
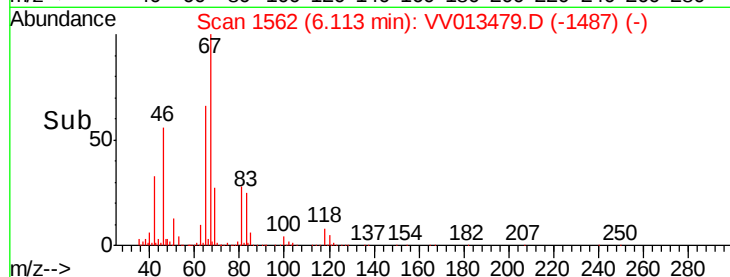
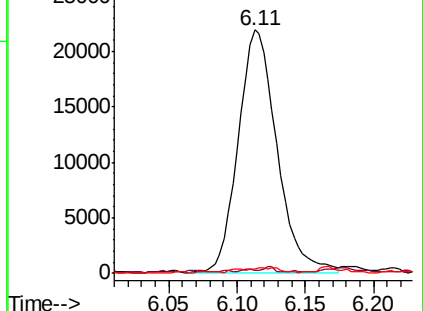
98 0.0 39.1 58.7#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013479.D

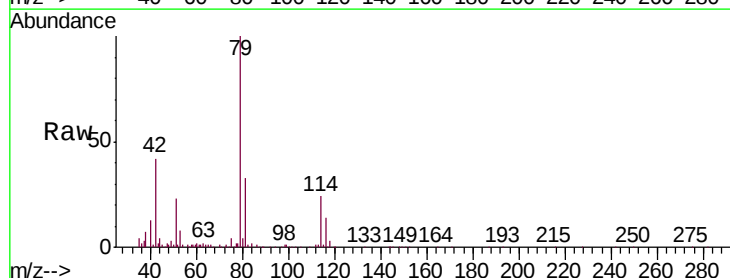
Acq: 04 Nov 2019 17:04

Tgt Ion: 75 Resp: 3096

Ion Ratio Lower Upper

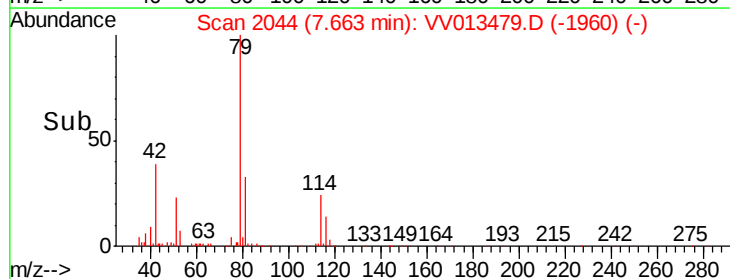
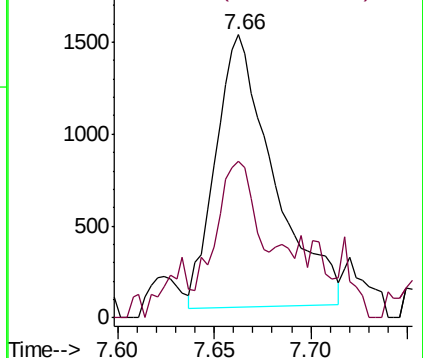
75 100

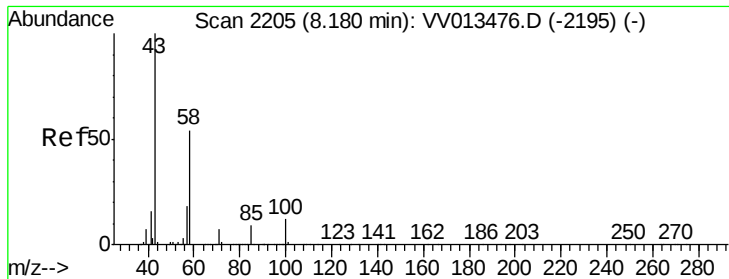
77 55.1 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

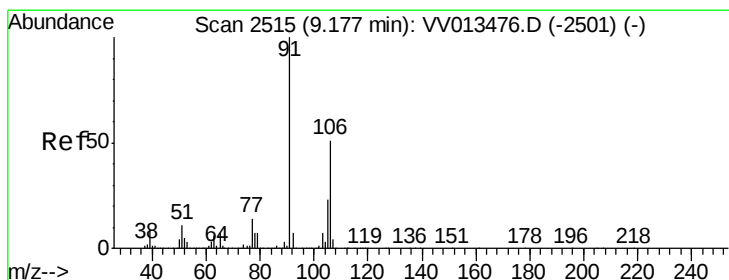
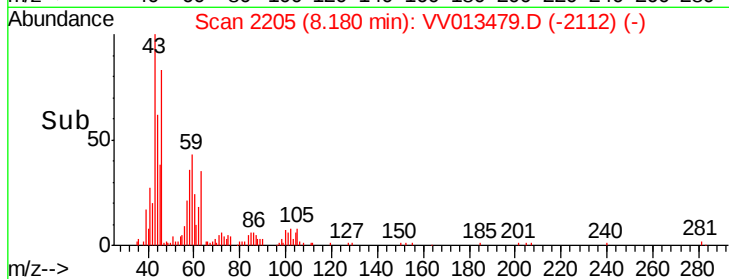
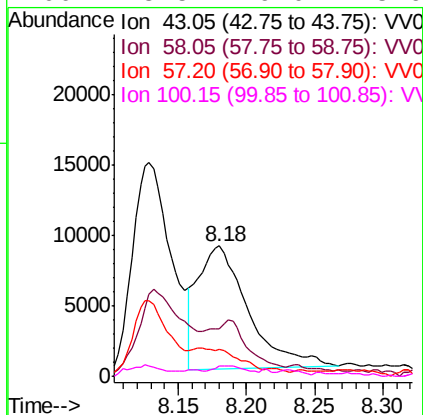
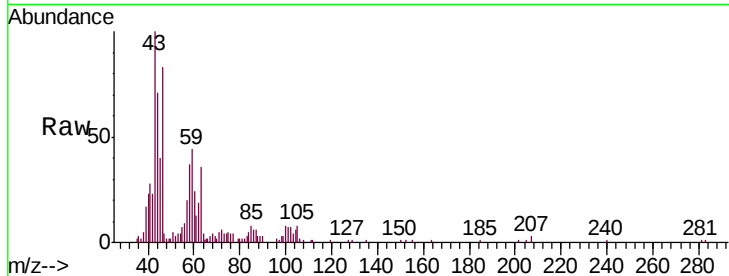




#48
2-Hexanone
Concen: 1.527 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013479.D
Acq: 04 Nov 2019 17:04

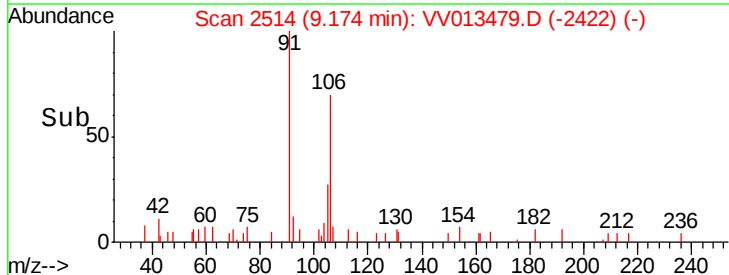
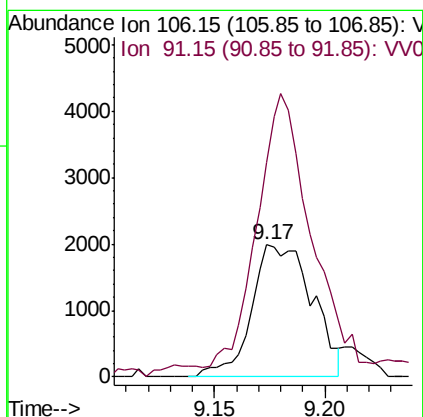
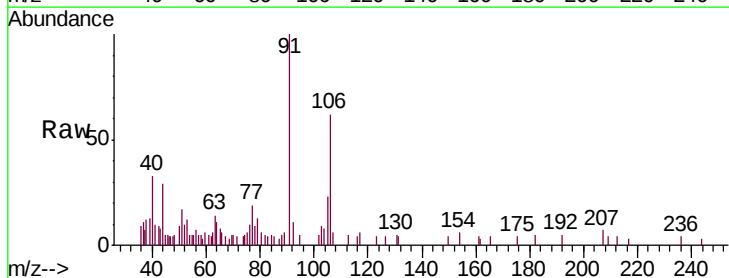
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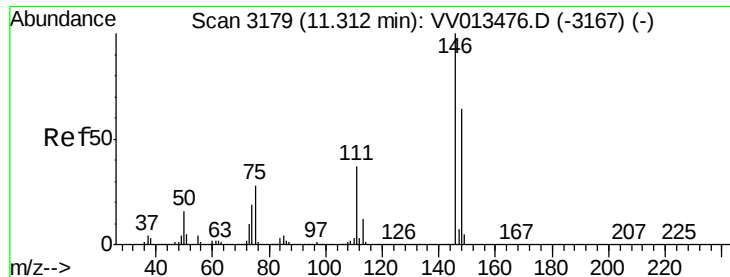
Tgt Ion: 43 Resp: 22220
Ion Ratio Lower Upper
43 100
58 23.2 42.2 63.4#
57 0.0 14.9 22.3#
100 5.5 9.0 13.6#



#53
m,p-xylene
Concen: 0.071 ug/L
RT: 9.17 min Scan# 2514
Delta R.T. -0.00 min
Lab File: VV013479.D
Acq: 04 Nov 2019 17:04

Tgt Ion: 106 Resp: 3786
Ion Ratio Lower Upper
106 100
91 162.6 141.5 262.7

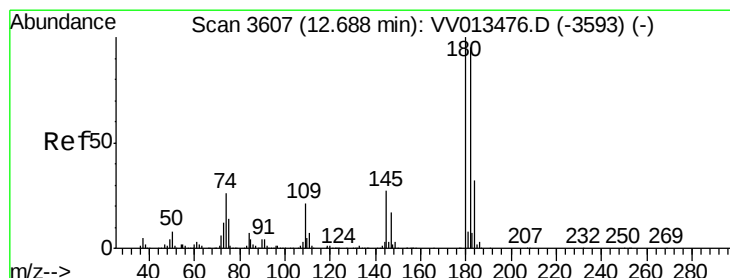
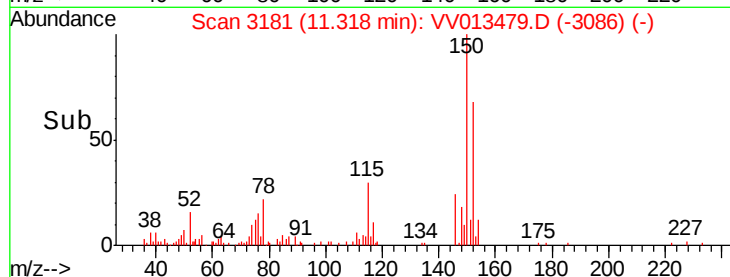
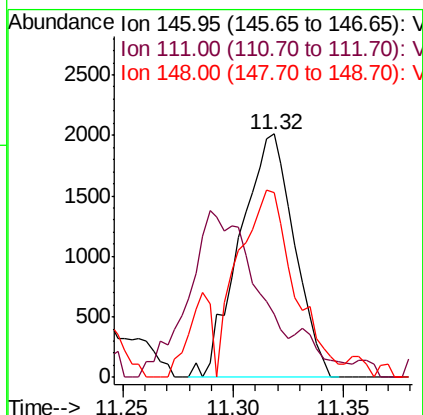
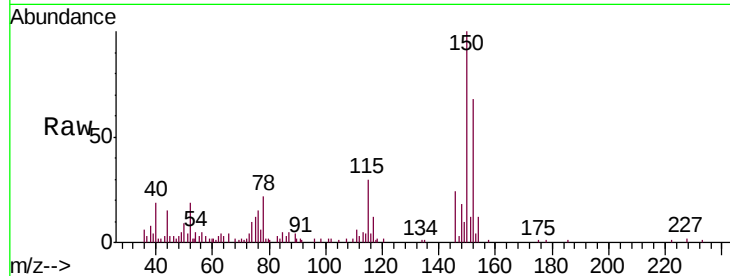




#63
 1,4-Dichlorobenzene
 Concen: 0.058 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.01 min
 Lab File: VV013479.D
 Acq: 04 Nov 2019 17:04

Instrument :
 MSVOA_V
 ClientSampled :
 A5451

Tgt Ion:146 Resp: 3444
 Ion Ratio Lower Upper
 146 100
 111 26.0 24.7 45.9
 148 75.8 44.2 82.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.066 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013479.D
 Acq: 04 Nov 2019 17:04

Tgt Ion:180 Resp: 3124
 Ion Ratio Lower Upper
 180 100
 182 92.0 76.1 114.1
 184 32.4 24.5 36.7
 145 27.8 21.4 32.2

