

Data File : VV013759.D
Acq On : 25 Nov 2019 12:35
Operator : SY/MD
Sample : K5941-19DL 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AD7DL

Quant Time: Nov 26 04:40:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	350845	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	345001	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	159247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103750	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.58	69	96408	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.13	63	180805	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	3.92	46	248303	55.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.00%
24) Chloroform-d	4.40	84	222152	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	107143	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.10	84	419465	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.11	67	124557	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	342074	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	7.66	79	40709	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.13	63	180972	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	92669	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	152474	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

						Qvalue
3) Chloromethane	1.22	50	6811	0.332	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1712	0.089	ug/L #	23
12) 1,1-Dichloroethene	2.14	96	78397	4.648	ug/L	97
13) Acetone	2.18	43	128582	40.732	ug/L #	56
14) Carbon disulfide	2.32	76	4465	0.115	ug/L #	89
15) Methyl Acetate	2.30	43	4959	0.702	ug/L #	50
16) Methylene chloride	2.53	84	5404	0.234	ug/L	94
19) 1,1-Dichloroethane	3.23	63	129920	3.417	ug/L	99
21) 2-Butanone	4.03	43	8799	1.844	ug/L #	70
22) cis-1,2-Dichloroethene	3.96	96	8196	0.367	ug/L	93
27) 1,2-Dichloroethane	5.18	62	974	0.042	ug/L #	73
34) Trichloroethene	5.96	95	51357	2.200	ug/L	93
35) Methylcyclohexane	6.11	83	31219	1.002	ug/L #	19
37) 1,2-Dichloropropane	6.22	63	1778	0.082	ug/L #	90
44) trans-1,3-Dichloropropene	7.66	75	1793	0.074	ug/L	88
48) 2-Hexanone	8.13	43	21578	2.382	ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112519\
Quantitation Report (Not Reviewed)

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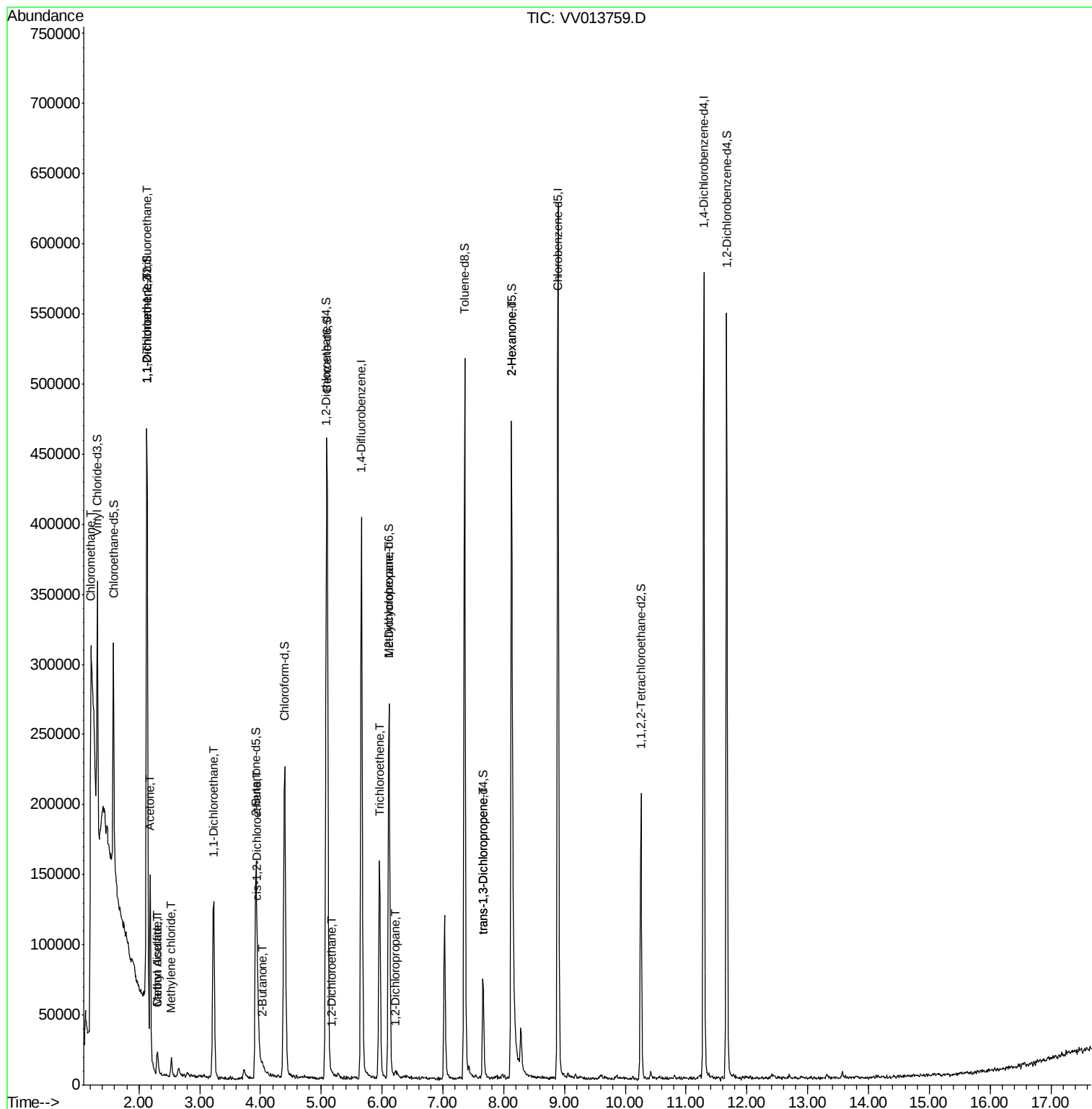
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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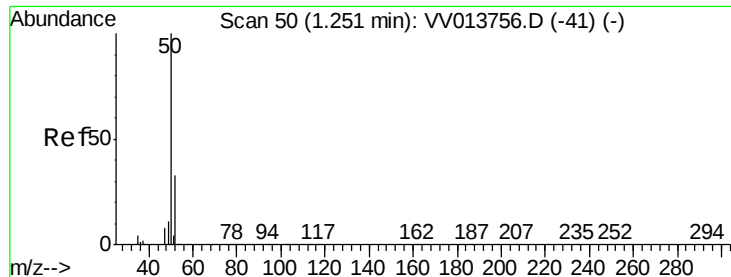
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.332 ug/L

RT: 1.22 min Scan# 39

Delta R.T. -0.04 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

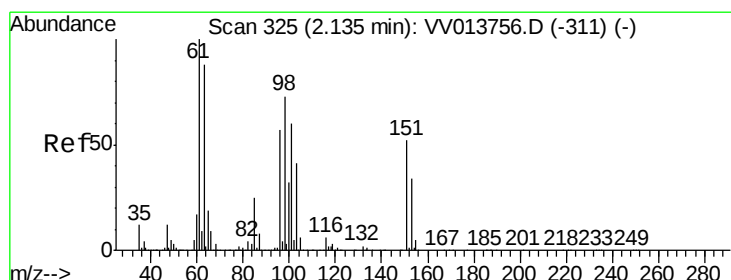
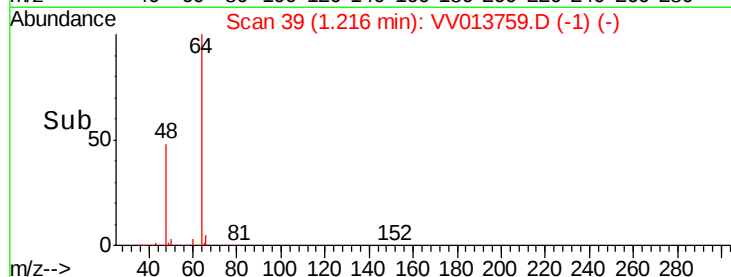
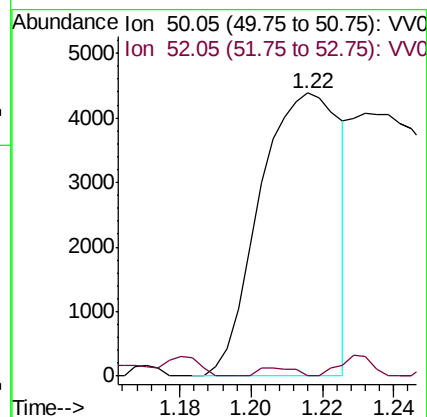
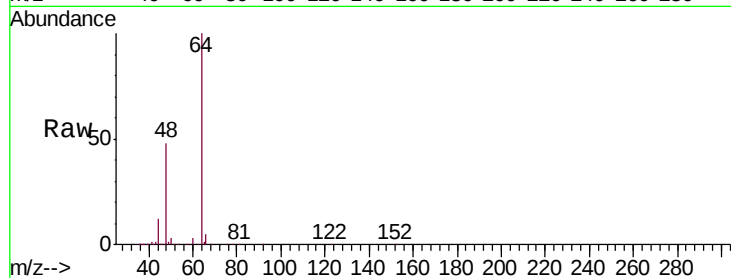
B0AD7DL

Tgt Ion: 50 Resp: 6811

Ion Ratio Lower Upper

50 100

52 0.0 22.5 41.7#



#10

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

Concen: 0.089 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

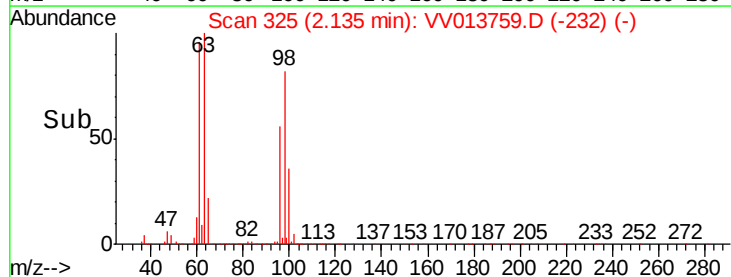
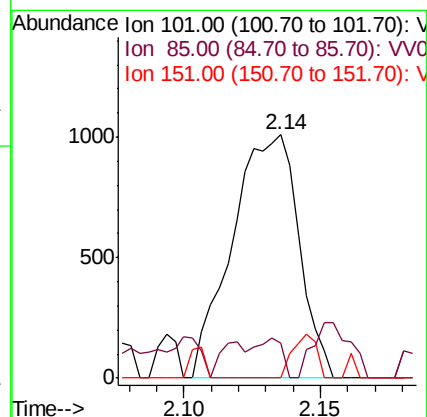
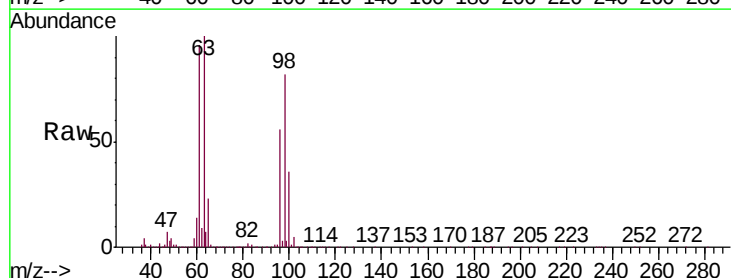
Tgt Ion: 101 Resp: 1712

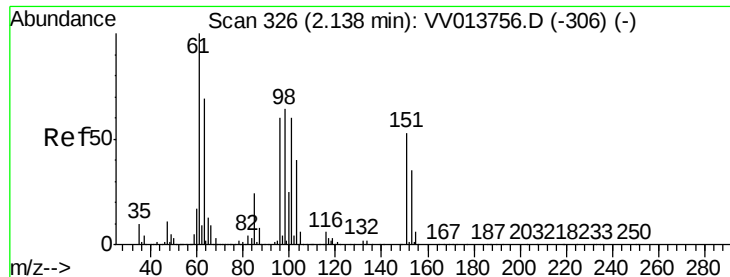
Ion Ratio Lower Upper

101 100

85 6.5 33.4 50.0#

151 6.5 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 4.648 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

B0AD7DL

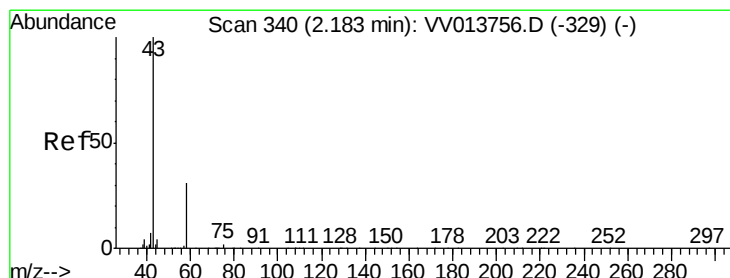
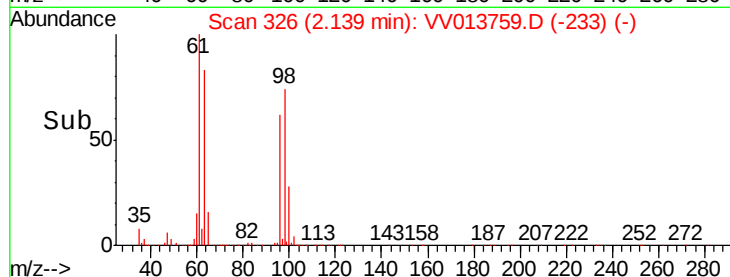
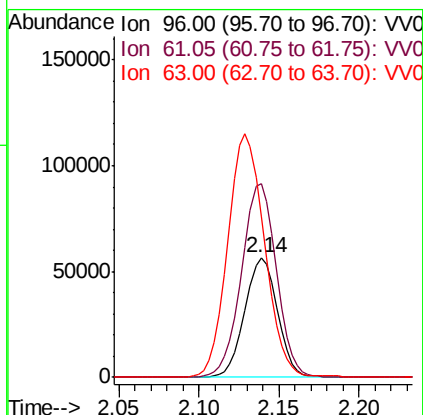
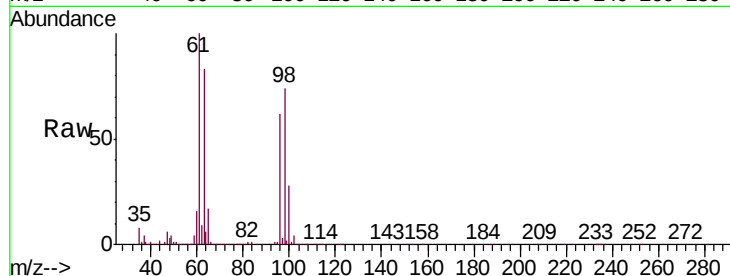
Tgt Ion: 96 Resp: 78397

Ion Ratio Lower Upper

96 100

61 161.8 116.3 215.9

63 133.7 96.7 179.7



#13

Acetone

Concen: 40.732 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013759.D

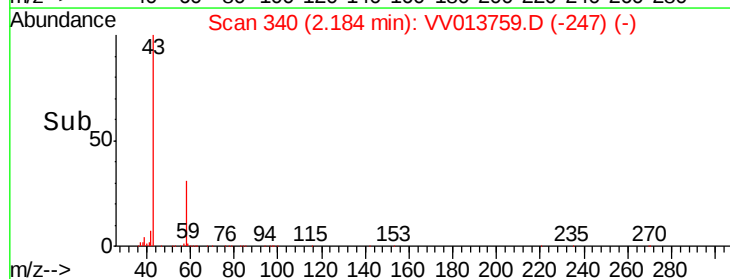
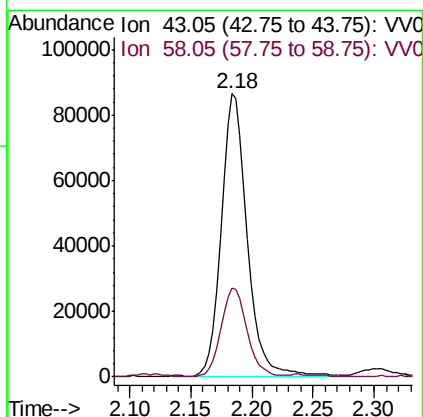
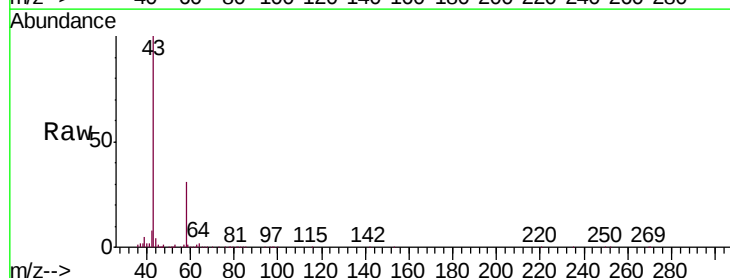
Acq: 25 Nov 2019 12:35

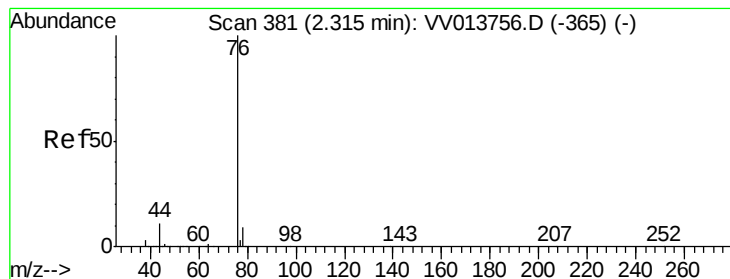
Tgt Ion: 43 Resp: 128582

Ion Ratio Lower Upper

43 100

58 31.4 0.0 27.2#





#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

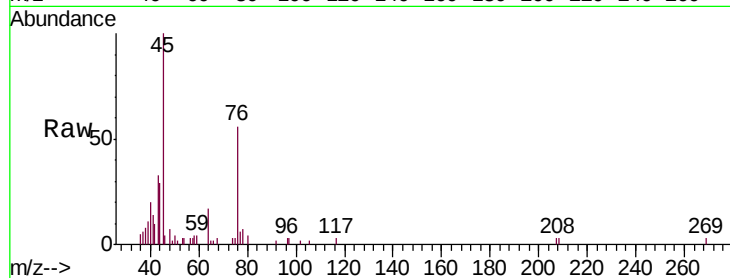
B0AD7DL

Tgt Ion: 76 Resp: 4465

Ion Ratio Lower Upper

76 100

78 13.4 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

3000

2500

2000

1500

1000

500

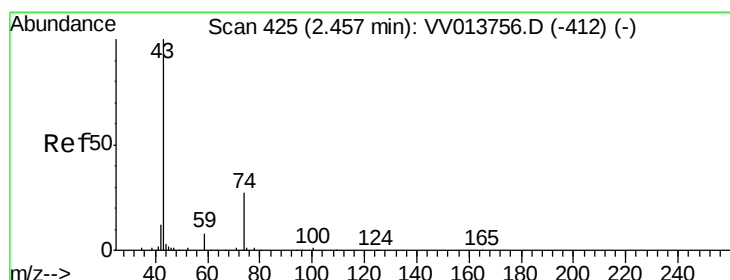
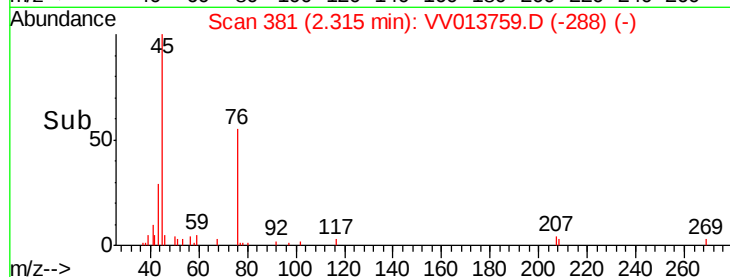
0

2.30

2.32

2.35

Time-->



#15

Methyl Acetate

Concen: 0.702 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.15 min

Lab File: VV013759.D

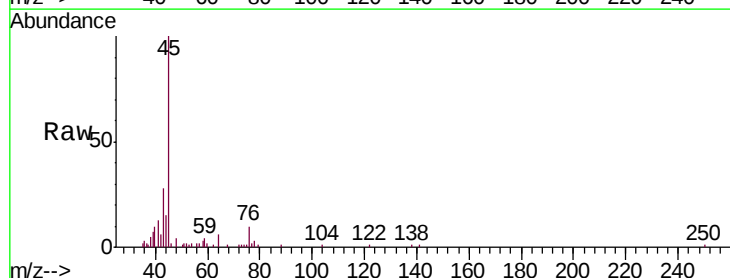
Acq: 25 Nov 2019 12:35

Tgt Ion: 43 Resp: 4959

Ion Ratio Lower Upper

43 100

74 0.4 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

3000

2500

2000

1500

1000

500

0

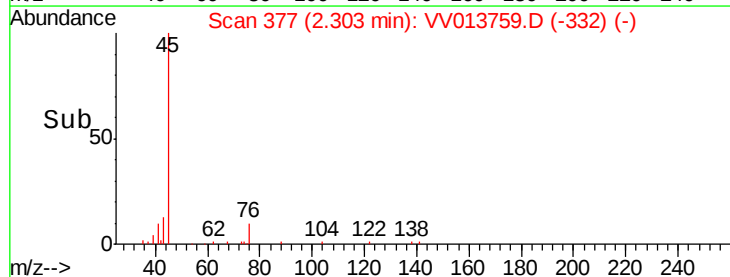
2.25

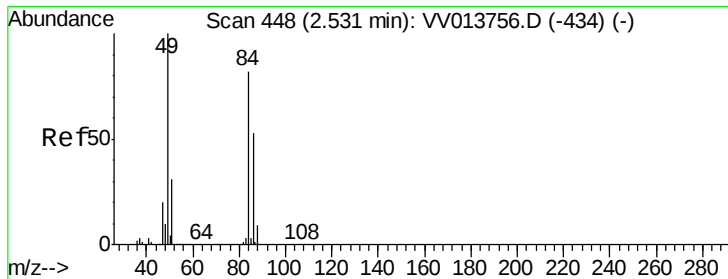
2.30

2.35

2.40

Time-->

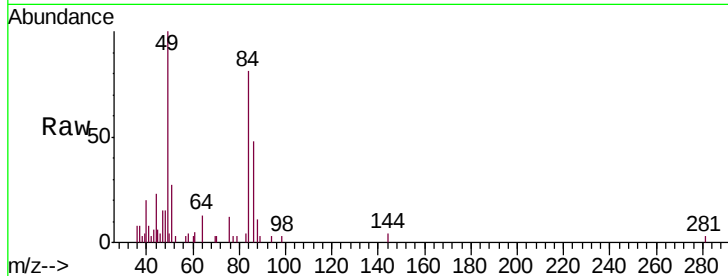




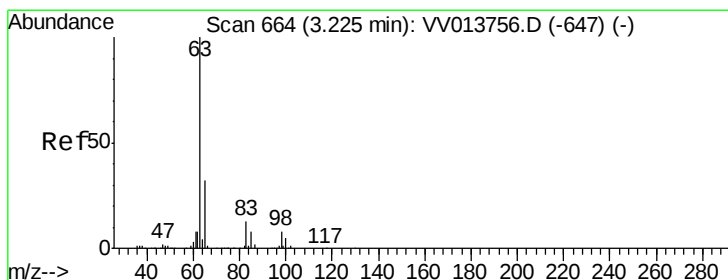
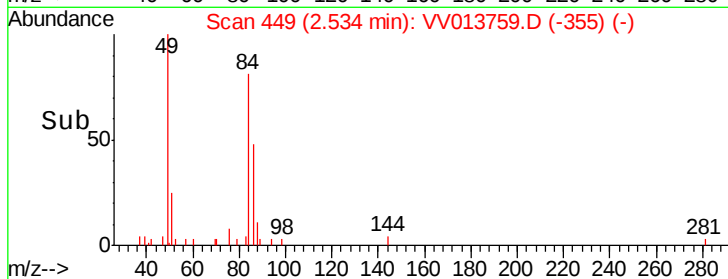
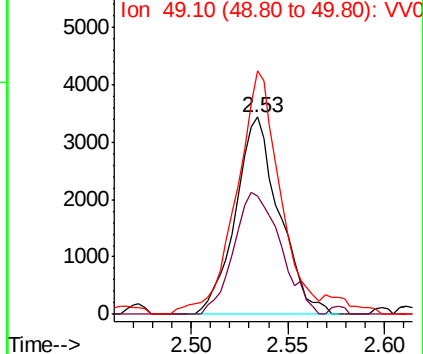
#16
Methylene chloride
Concen: 0.234 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

Instrument :
MSVOA_V
ClientSampled :
B0AD7DL

Tgt Ion: 84 Resp: 5404
Ion Ratio Lower Upper
84 100
86 59.9 44.0 81.6
49 123.6 81.5 151.5

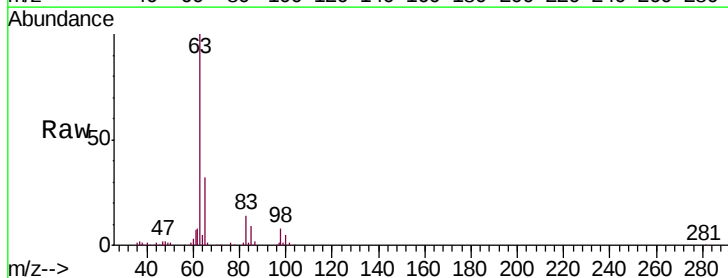


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

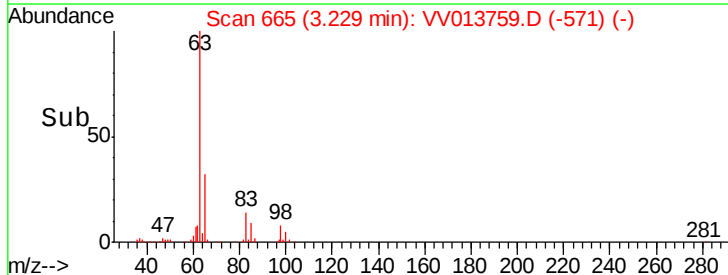
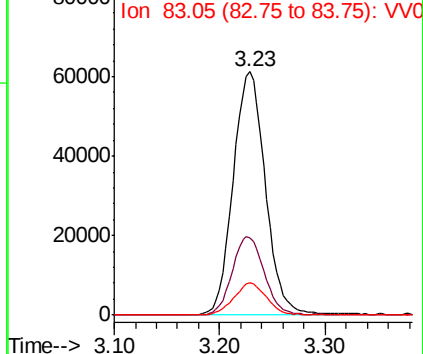


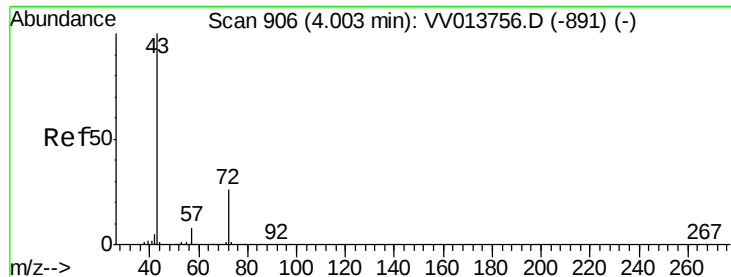
#19
1,1-Dichloroethane
Concen: 3.417 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

Tgt Ion: 63 Resp: 129920
Ion Ratio Lower Upper
63 100
65 31.8 22.7 42.1
83 13.6 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 1.844 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.03 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

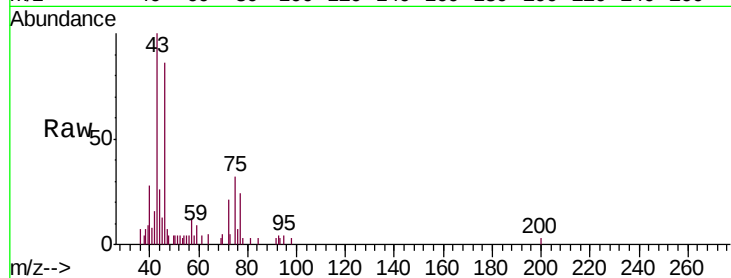
B0AD7DL

Tgt Ion: 43 Resp: 8799

Ion Ratio Lower Upper

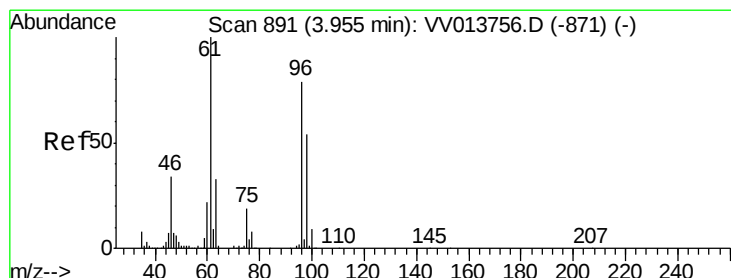
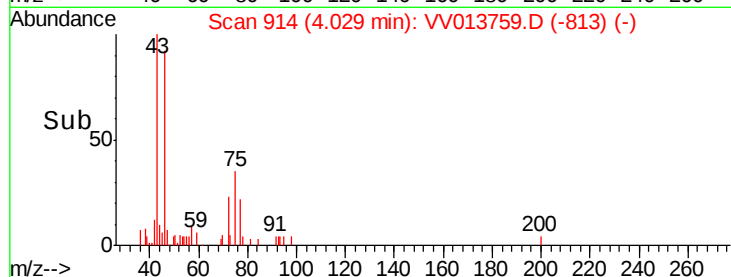
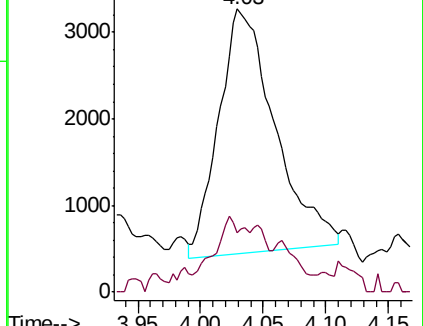
43 100

72 9.7 12.3 36.9#



Abundance Ion 43.05 (42.75 to 43.75): VV013756.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV013756.D (-891) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.367 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

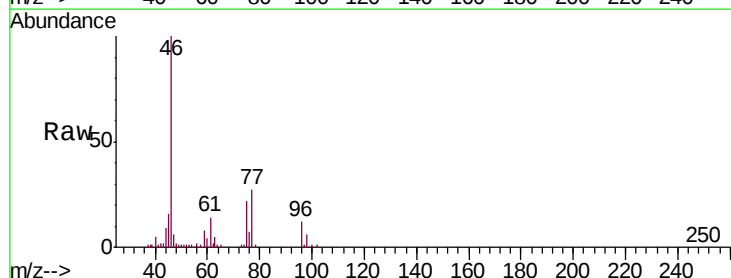
Tgt Ion: 96 Resp: 8196

Ion Ratio Lower Upper

96 100

61 115.1 86.1 159.9

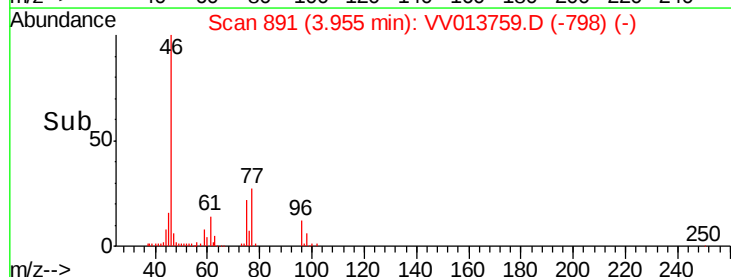
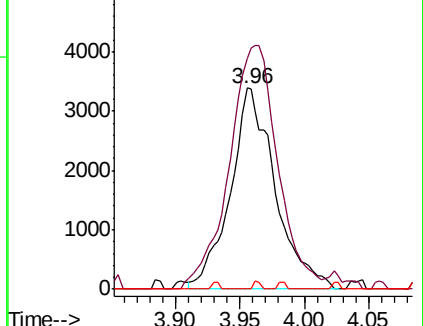
68 0.0 0.0 0.0

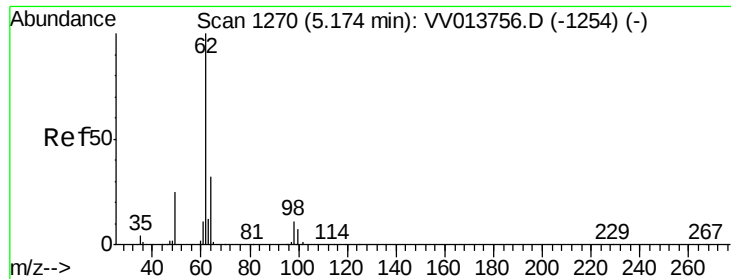


Abundance Ion 96.00 (95.70 to 96.70): VV013756.D (-871) (-)

Ion 61.05 (60.75 to 61.75): VV013756.D (-871) (-)

Ion 68.15 (67.85 to 68.85): VV013756.D (-871) (-)

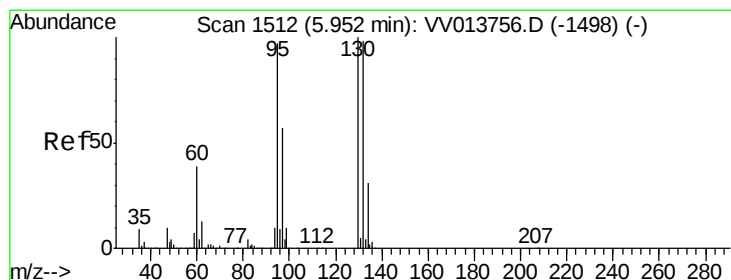
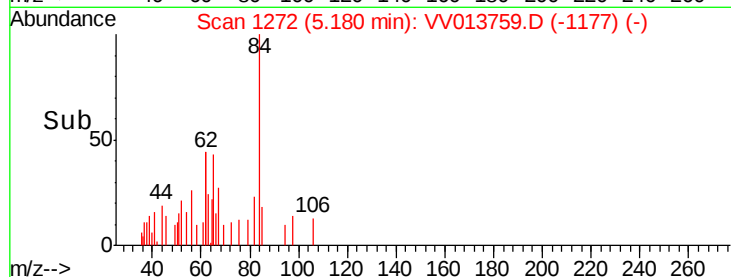
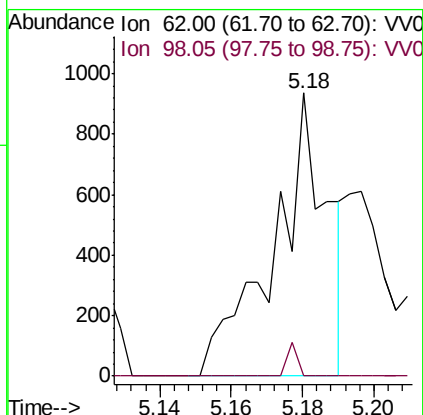
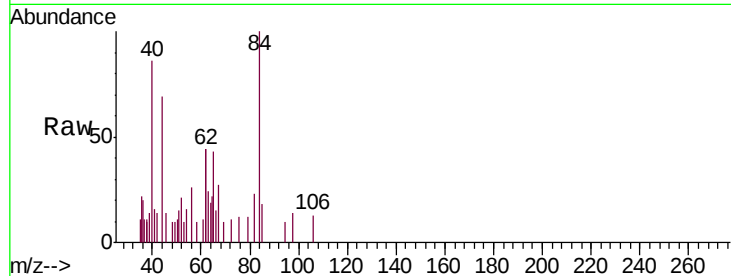




#27
1,2-Dichloroethane
Concen: 0.042 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

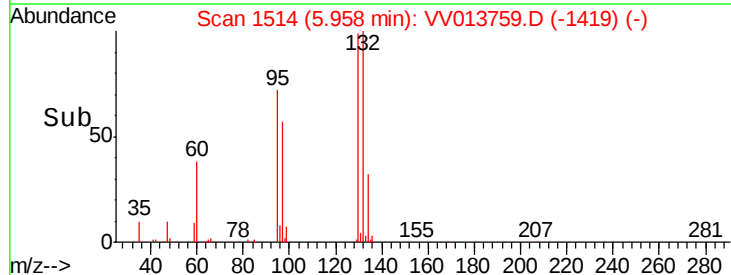
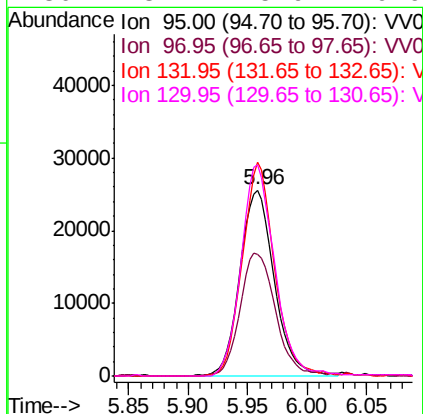
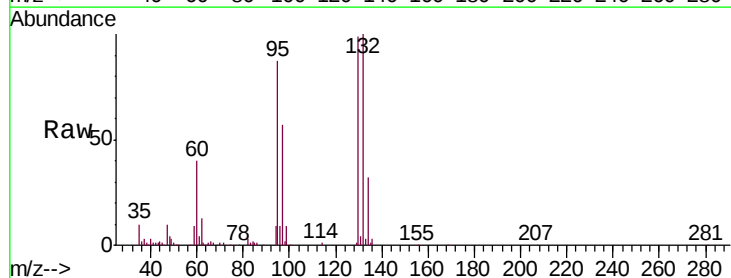
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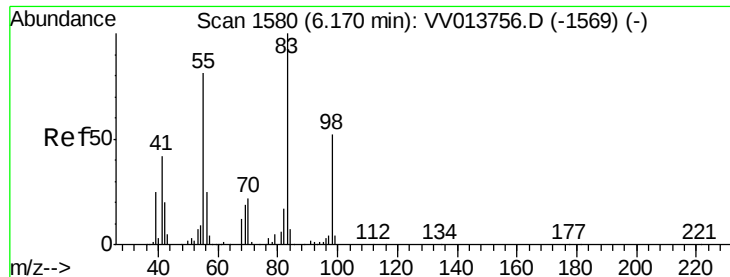
Tgt Ion: 62 Resp: 974
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#34
Trichloroethene
Concen: 2.200 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

Tgt Ion: 95 Resp: 51357
Ion Ratio Lower Upper
95 100
97 65.7 45.6 84.8
132 114.9 70.5 130.9
130 113.4 75.9 140.9

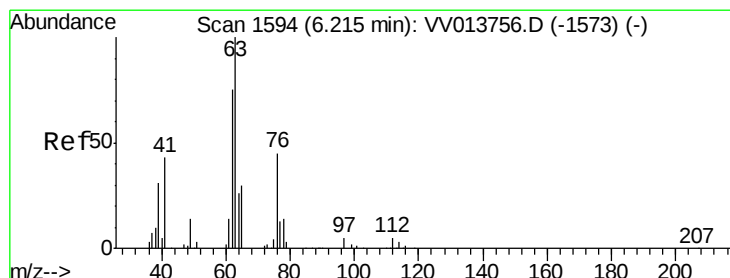
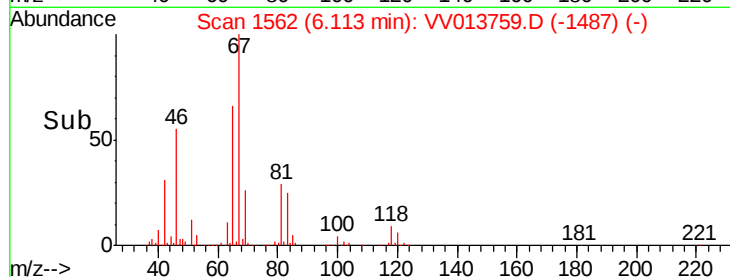
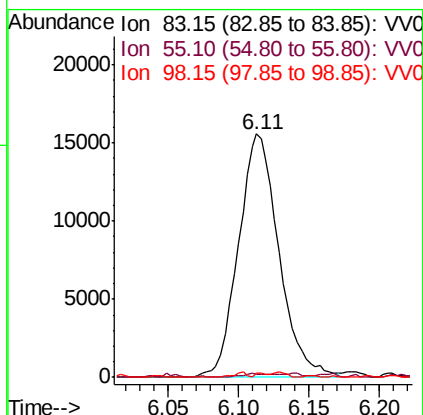
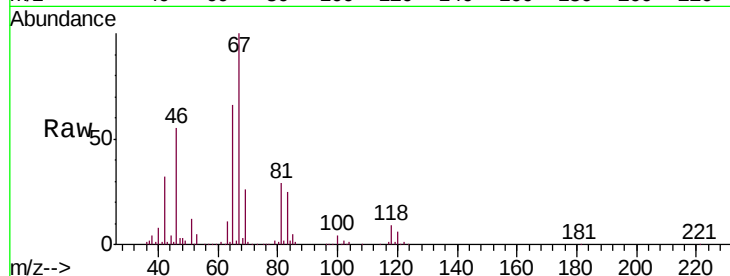




#35
Methylcyclohexane
Concen: 1.002 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

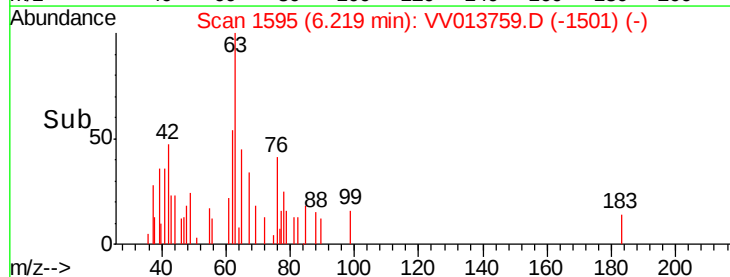
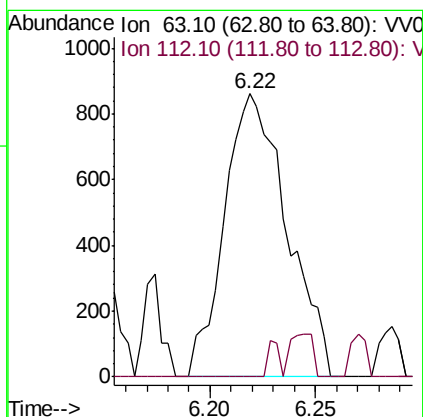
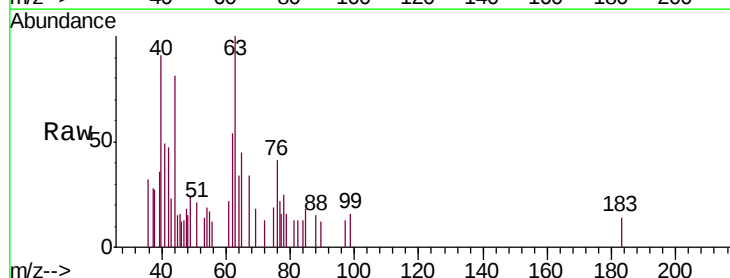
Instrument :
MSVOA_V
ClientSampleId :
B0AD7DL

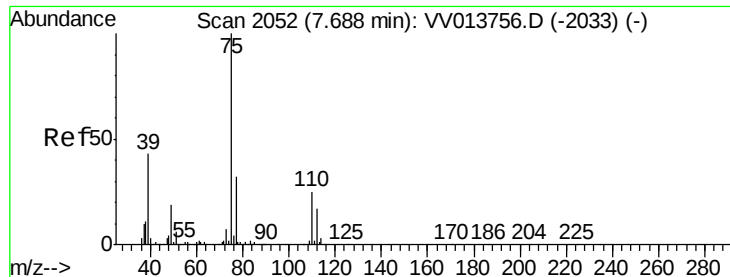
Tgt Ion: 83 Resp: 31219
Ion Ratio Lower Upper
83 100
55 0.9 60.3 90.5#
98 0.5 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.082 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV013759.D
Acq: 25 Nov 2019 12:35

Tgt Ion: 63 Resp: 1778
Ion Ratio Lower Upper
63 100
112 2.3 4.4 6.6#





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Instrument :

MSVOA_V

ClientSampleId :

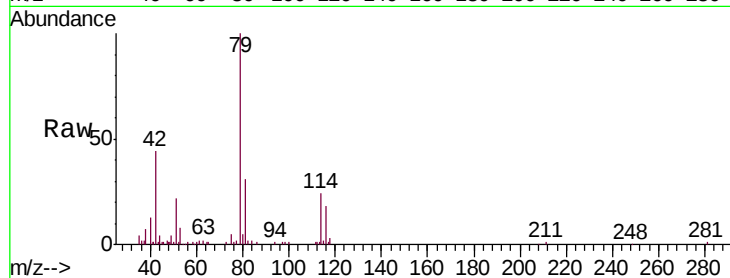
B0AD7DL

Tgt Ion: 75 Resp: 1793

Ion Ratio Lower Upper

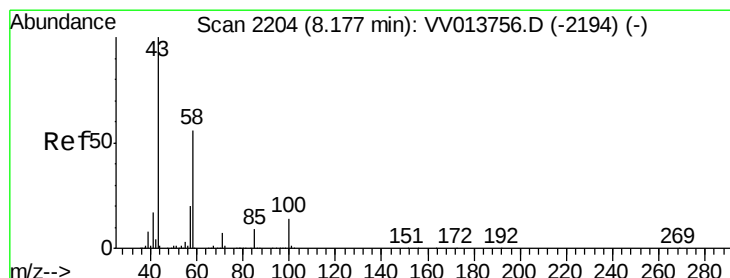
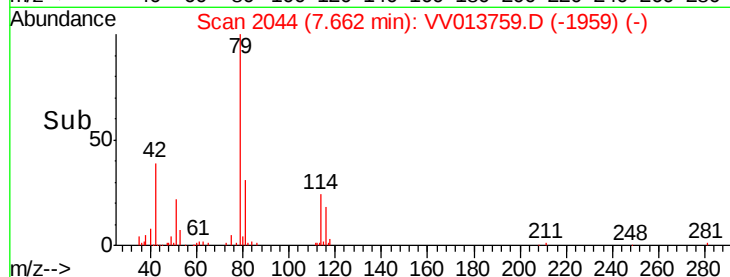
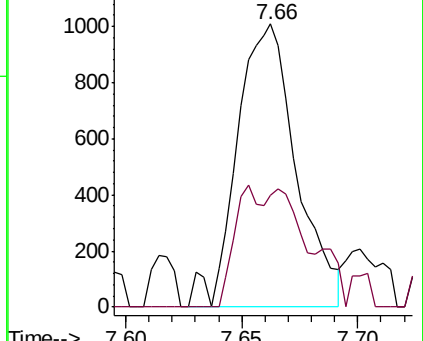
75 100

77 39.7 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 2.382 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV013759.D

Acq: 25 Nov 2019 12:35

Tgt Ion: 43 Resp: 21578

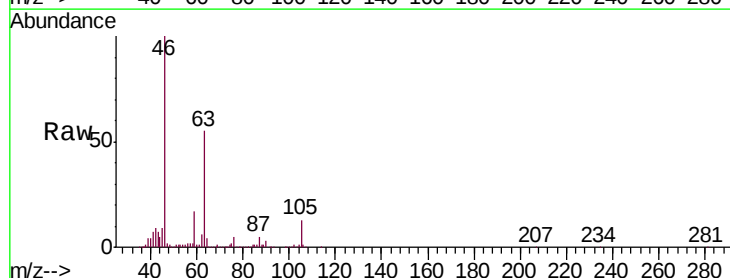
Ion Ratio Lower Upper

43 100

58 41.5 43.2 64.8#

57 35.2 15.4 23.2#

100 4.0 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

