

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013808.D
 Acq On : 27 Nov 2019 00:03
 Operator : SY/MD
 Sample : K6004-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:14:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	309866	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	309305	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	132702	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77213	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	75416	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	109308	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.95	46	246945	61.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.88%
24) Chloroform-d	4.40	84	145122	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.08	65	98851	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.10	84	348571	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.11	67	114229	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	274965	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	7.66	79	38820	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.14	63	186977	54.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	93860	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	115508	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5070	0.280	ug/L	88
6) Bromomethane	1.53	94	1673	0.172	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1883	0.110	ug/L #	40
12) 1,1-Dichloroethene	2.14	96	5516	0.370	ug/L #	1
13) Acetone	2.21	43	7661	2.748	ug/L #	47
14) Carbon disulfide	2.32	76	21685	0.630	ug/L	96
16) Methylene chloride	2.53	84	2278	0.112	ug/L	88
19) 1,1-Dichloroethane	3.23	63	4973	0.148	ug/L	93
25) Chloroform	4.42	83	45160	1.268	ug/L	97
34) Trichloroethene	5.96	95	16375	0.782	ug/L	99
35) Methylcyclohexane	6.12	83	27630	0.989	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	12587	0.645	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2713	0.098	ug/L	84
44) trans-1,3-Dichloropropene	7.66	75	1750	0.081	ug/L	87
47) Tetrachloroethene	8.02	164	5208	0.287	ug/L	87
48) 2-Hexanone	8.18	43	6679	0.822	ug/L #	42

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QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration

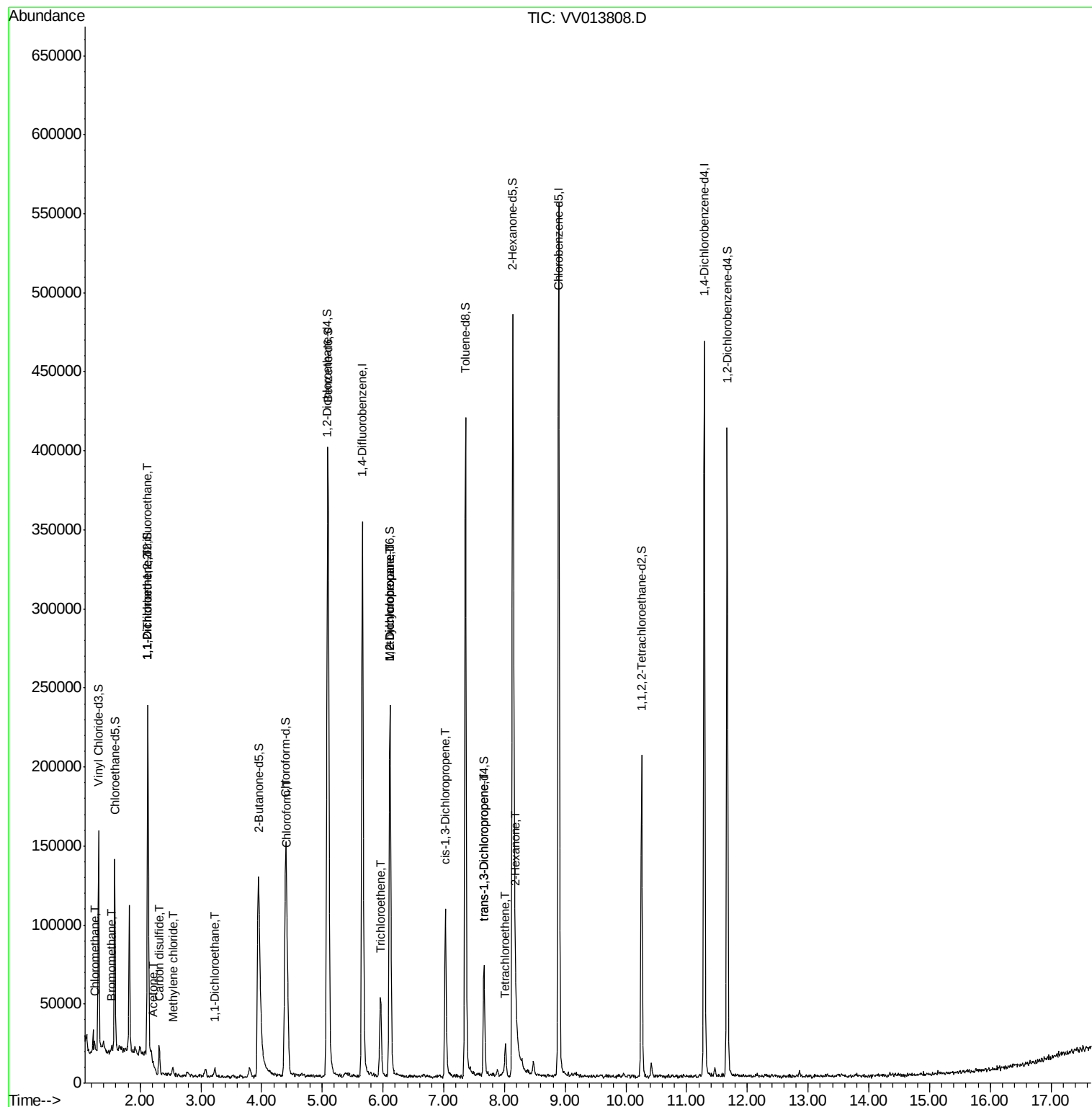
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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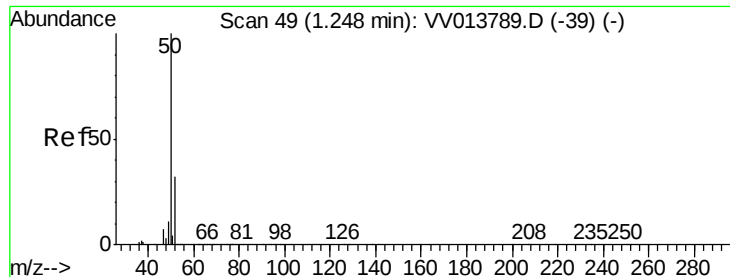
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112619\
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#3

Chloromethane

Concen: 0.280 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

Instrument :

MSVOA_V

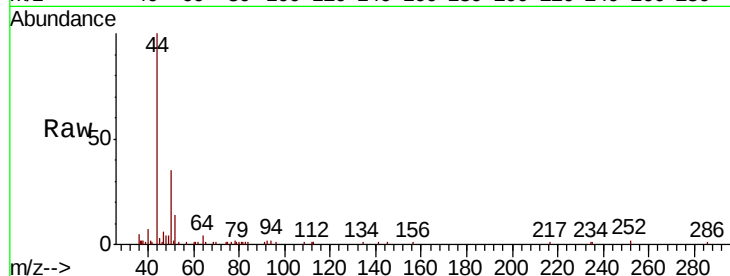
ClientSampleId :

Tot Ion: 50 Resp: 5070

Ion Ratio Lower Upper

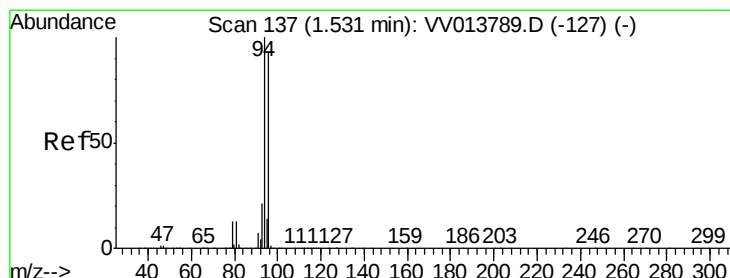
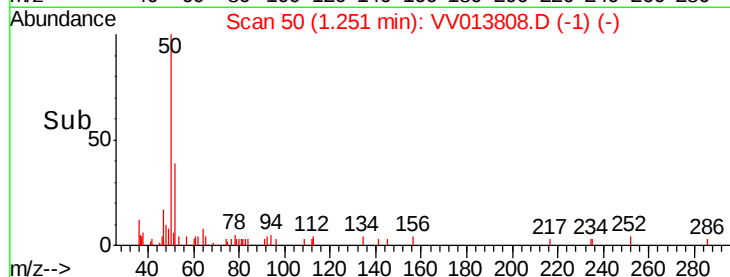
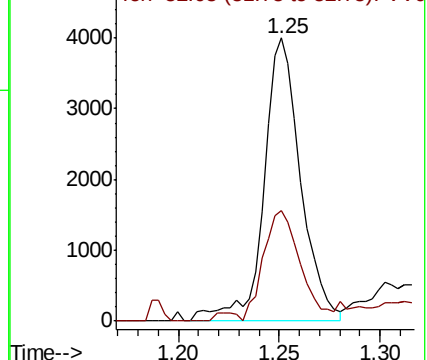
50 100

52 38.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.172 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013808.D

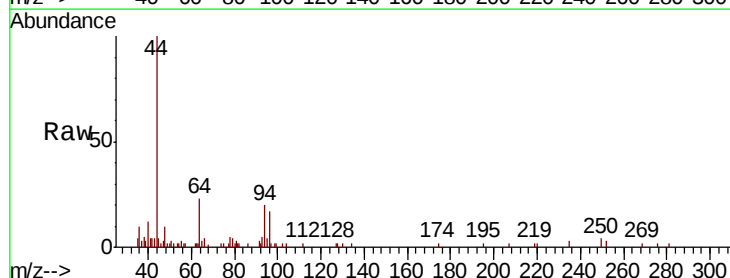
Acq: 27 Nov 2019 00:03

Tgt Ion: 94 Resp: 1673

Ion Ratio Lower Upper

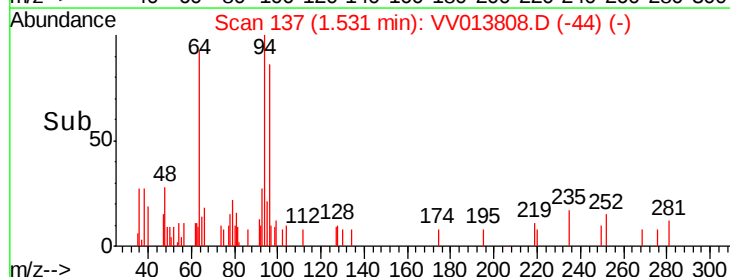
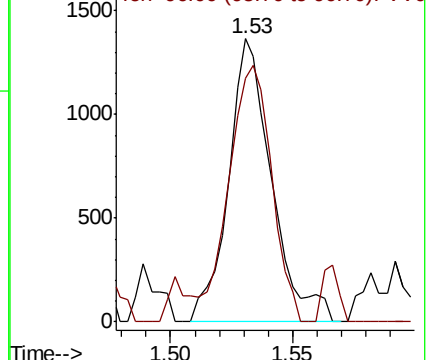
94 100

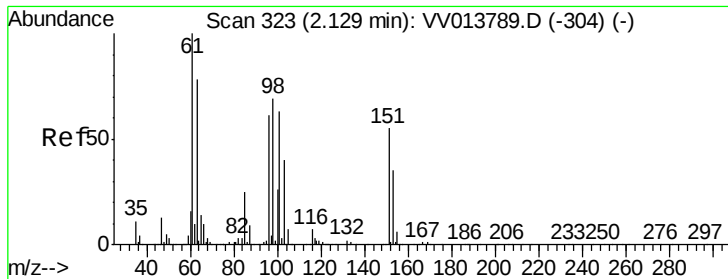
96 86.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#10

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

Concen: 0.110 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

Instrument :

MSVOA_V

ClientSampled :

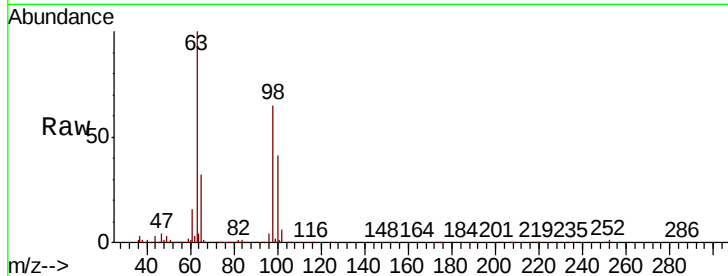
Tot Ion:101 Resp: 1883

Ion Ratio Lower Upper

101 100

85 15.0 33.4 50.0#

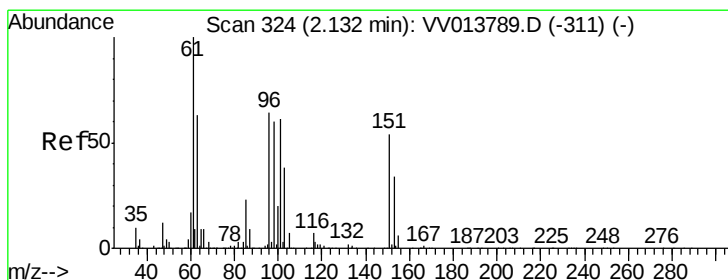
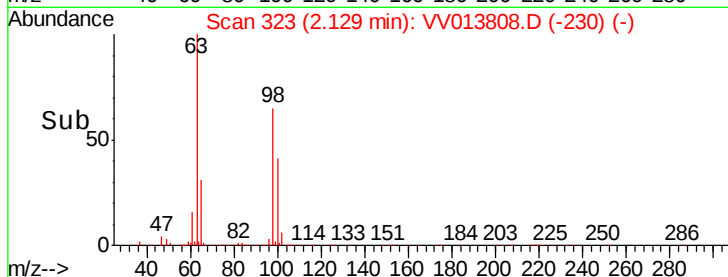
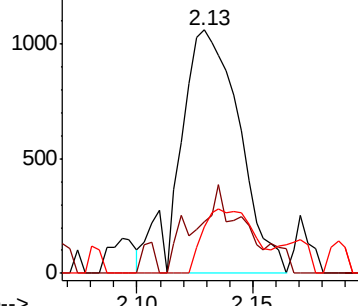
151 22.9 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): VV013789.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-304) (-)

Ion 151.00 (150.70 to 151.70): VV013789.D (-304) (-)



#12

1,1-Dichloroethene

Concen: 0.370 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

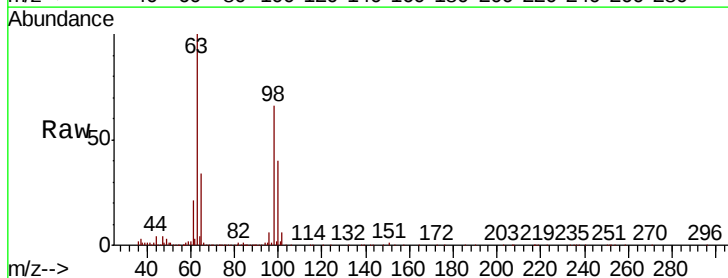
Tgt Ion: 96 Resp: 5516

Ion Ratio Lower Upper

96 100

61 339.0 116.3 215.9#

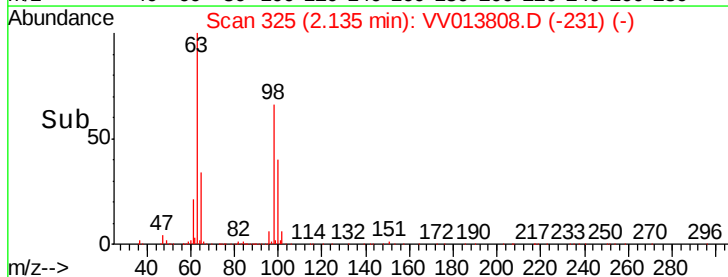
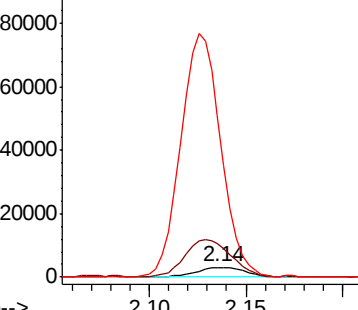
63 1633.2 96.7 179.7#

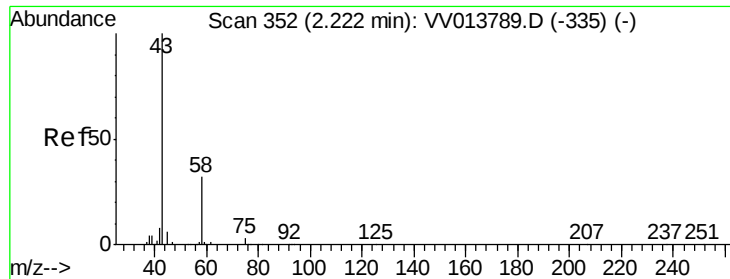


Abundance Ion 96.00 (95.70 to 96.70): VV013789.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV013789.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV013789.D (-311) (-)





#13

Acetone

Concen: 2.748 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

Instrument :

MSVOA_V

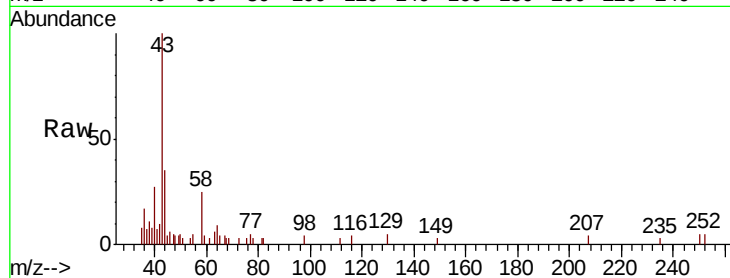
ClientSampleId :

Tot Ion: 43 Resp: 7661

Ion Ratio Lower Upper

43 100

58 35.1 0.0 27.2#

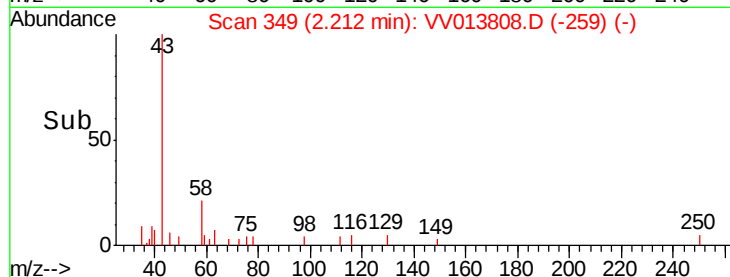


Abundance Ion 43.05 (42.75 to 43.75): VV013789.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV013789.D (-335) (-)

2.21

Time-->

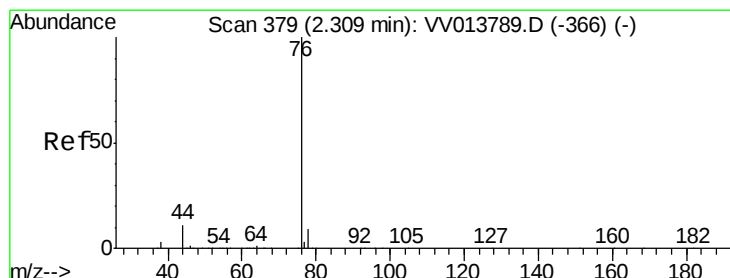


Abundance Ion 76.05 (75.75 to 76.75): VV013789.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV013789.D (-366) (-)

2.32

Time-->



#14

Carbon disulfide

Concen: 0.630 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013808.D

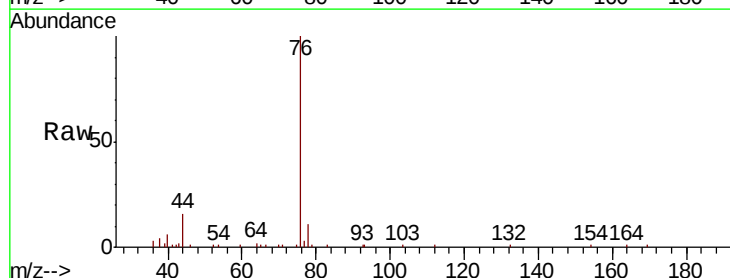
Acq: 27 Nov 2019 00:03

Tgt Ion: 76 Resp: 21685

Ion Ratio Lower Upper

76 100

78 11.0 7.5 11.3

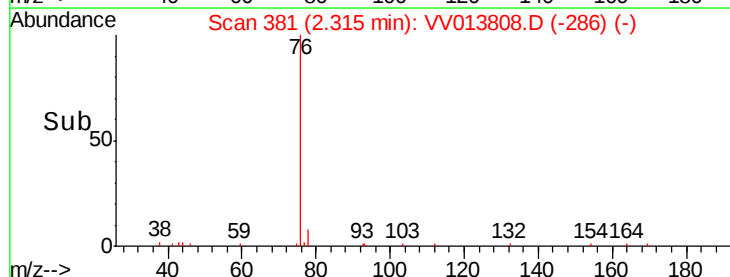


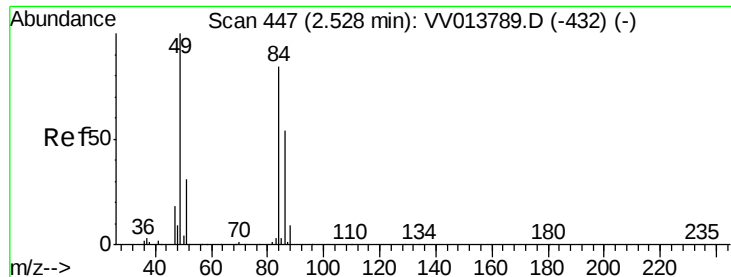
Abundance Ion 76.05 (75.75 to 76.75): VV013789.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV013789.D (-366) (-)

2.32

Time-->

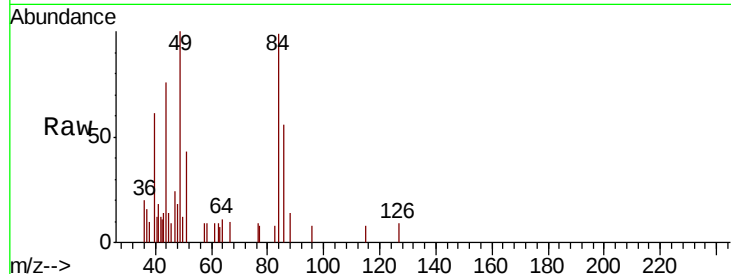




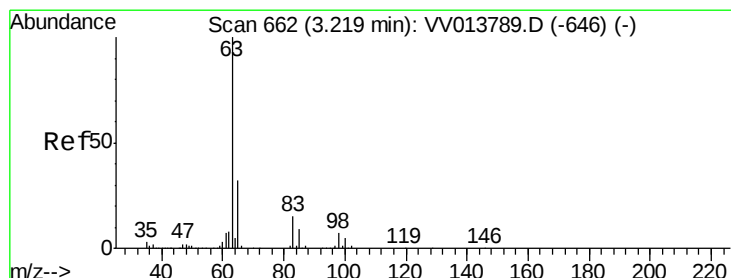
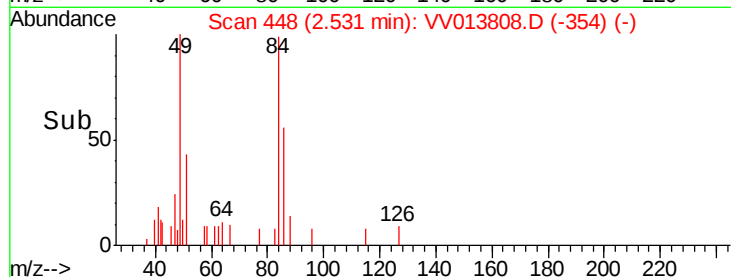
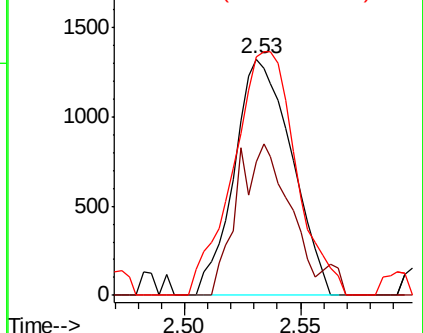
#16
Methylene chloride
Concen: 0.112 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013808.D
Acq: 27 Nov 2019 00:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 2278
Ion Ratio Lower Upper
84 100
86 56.3 44.0 81.6
49 100.6 81.5 151.5

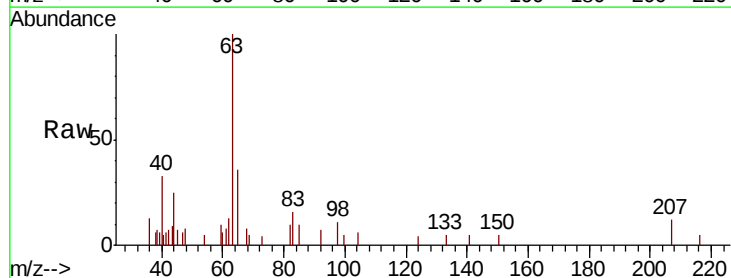


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

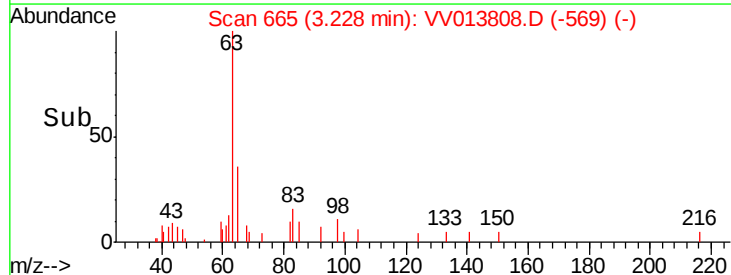
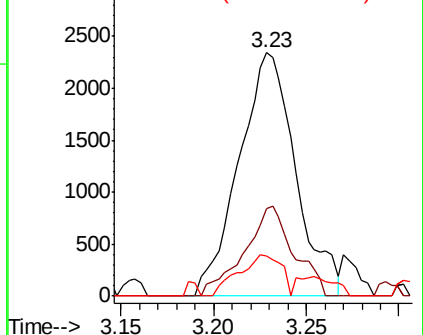


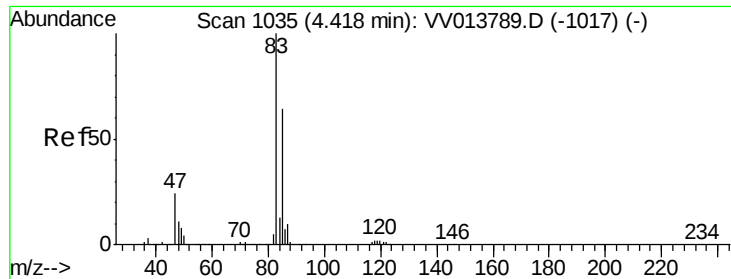
#19
1,1-Dichloroethane
Concen: 0.148 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.01 min
Lab File: VV013808.D
Acq: 27 Nov 2019 00:03

Tgt Ion: 63 Resp: 4973
Ion Ratio Lower Upper
63 100
65 35.8 22.7 42.1
83 16.4 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





#25

Chloroform

Concen: 1.268 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

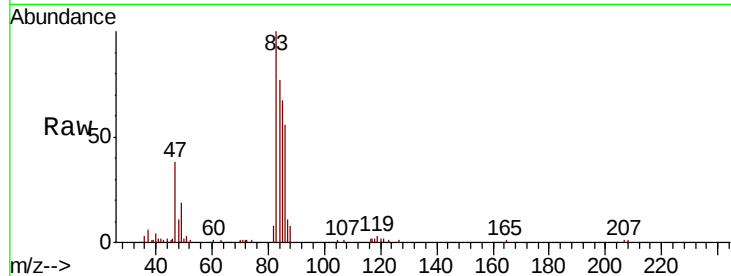
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 45160

Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013789.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-1017) (-)

4.42

20000

15000

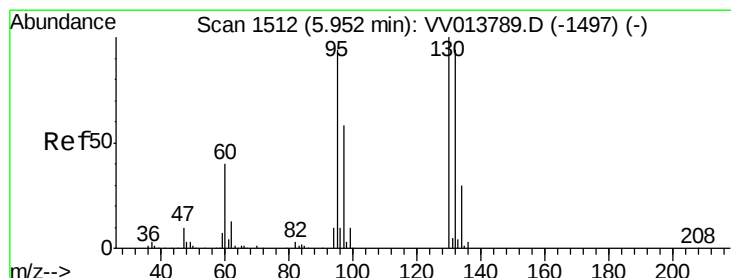
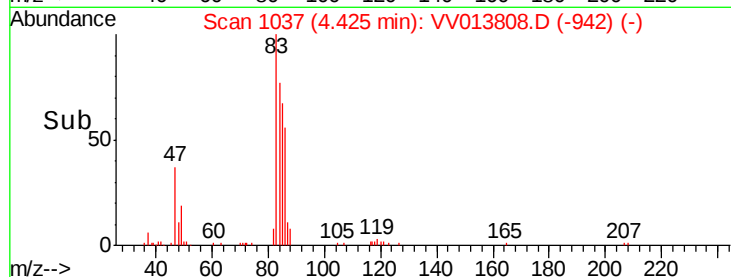
10000

5000

0

Time-->

4.30 4.40 4.50



#34

Trichloroethene

Concen: 0.782 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

Tgt Ion: 95 Resp: 16375

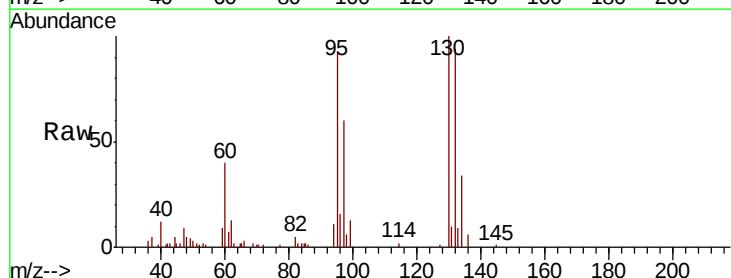
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.8

132 101.1 70.5 130.9

130 107.1 75.9 140.9



Abundance Ion 95.00 (94.70 to 95.70): VV013789.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV013789.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV013789.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV013789.D (-1497) (-)

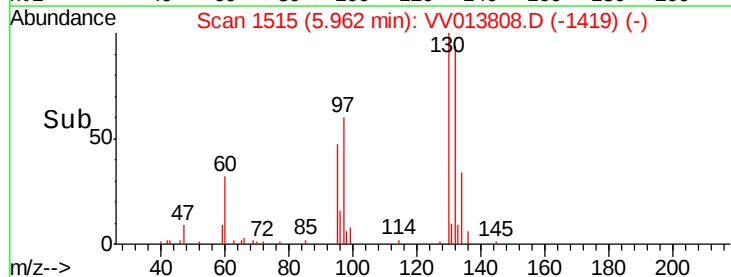
10000

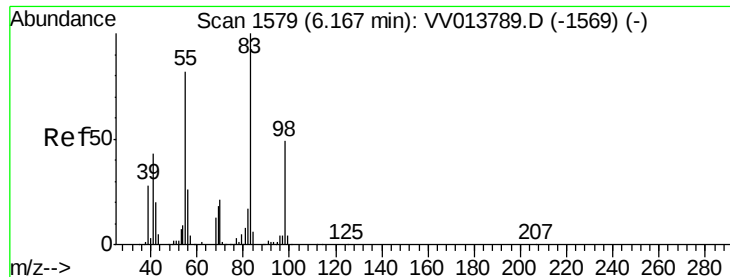
5000

0

Time-->

5.85 5.90 5.95 6.00 6.05





#35

Methvlcvclohexane

Concen: 0.989 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013808.D

Acq: 27 Nov 2019 00:03

Instrument :

MSVOA_V

ClientSampleId :

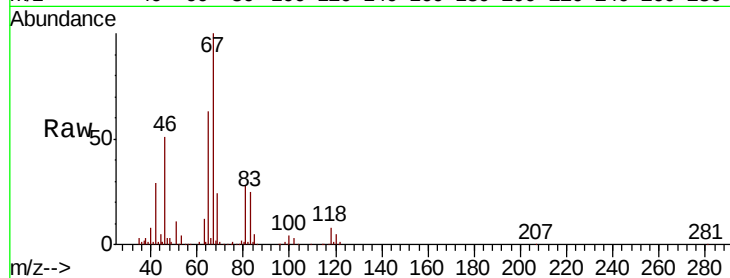
Tot Ion: 83 Resp: 27630

Ion Ratio Lower Upper

83 100

55 0.0 60.3 90.5#

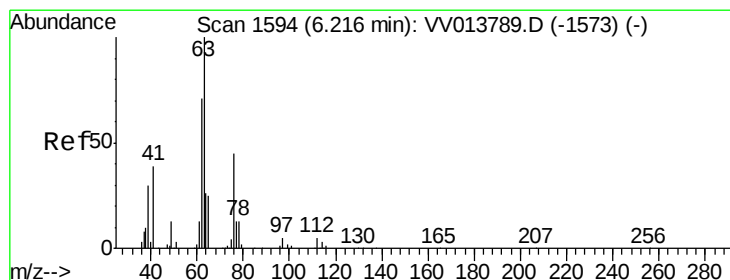
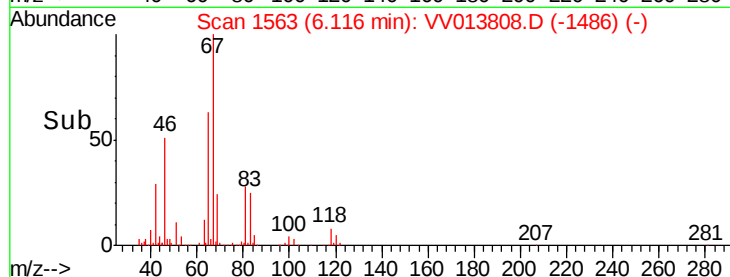
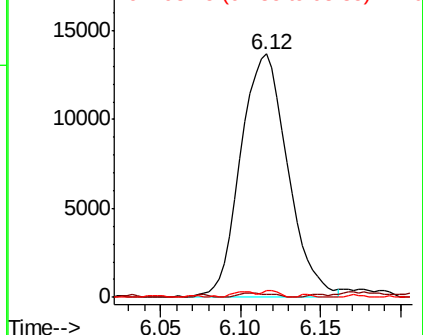
98 1.0 38.1 57.1#



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



#37

1,2-Dichloropropane

Concen: 0.645 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013808.D

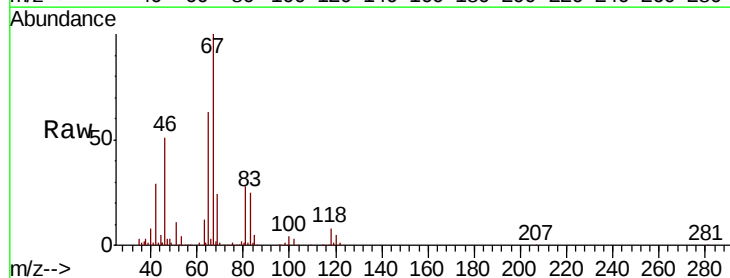
Acq: 27 Nov 2019 00:03

Tgt Ion: 63 Resp: 12587

Ion Ratio Lower Upper

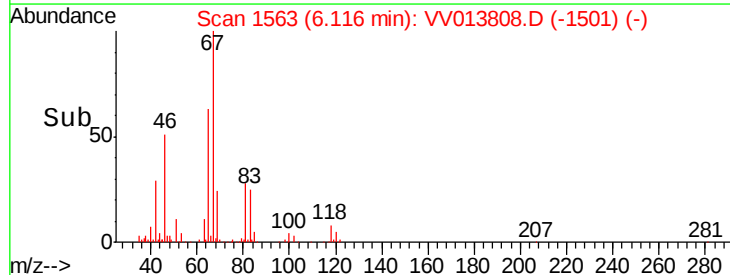
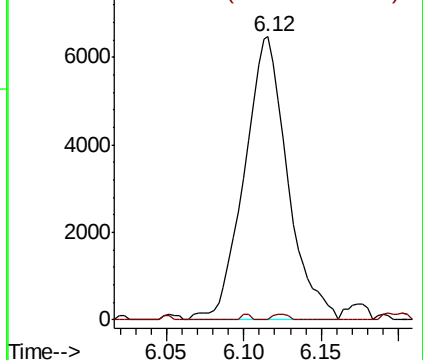
63 100

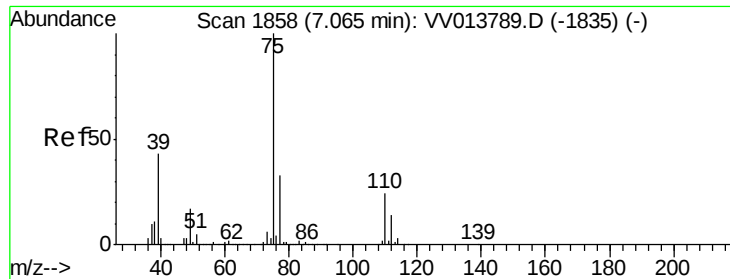
112 0.7 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



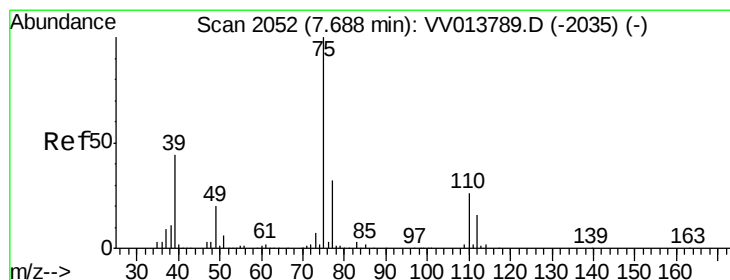
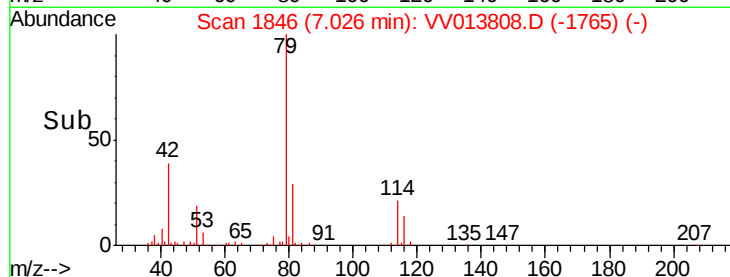
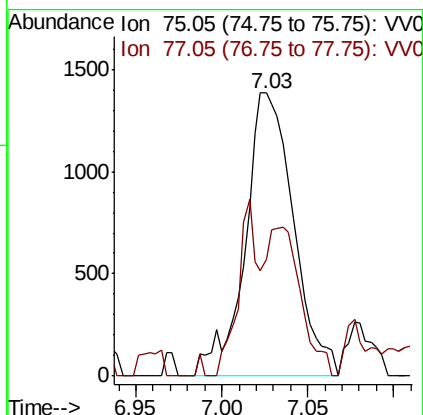
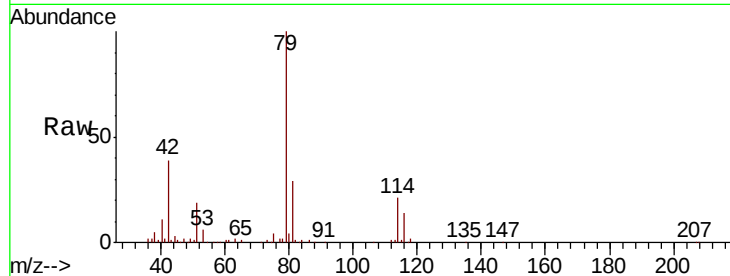


#39

cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013808.D
 Acq: 27 Nov 2019 00:03

Instrument :
 MSVOA_V
 ClientSampled :

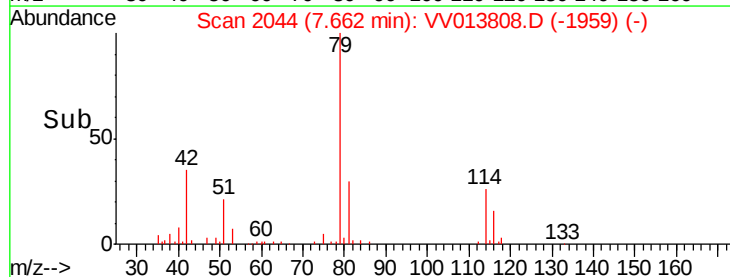
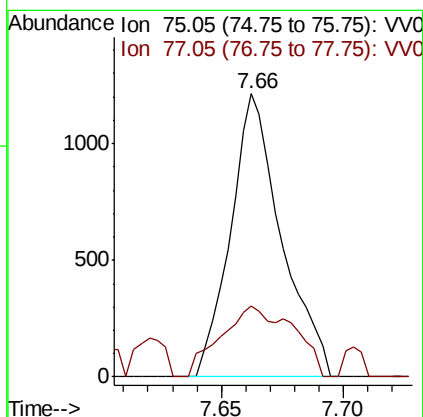
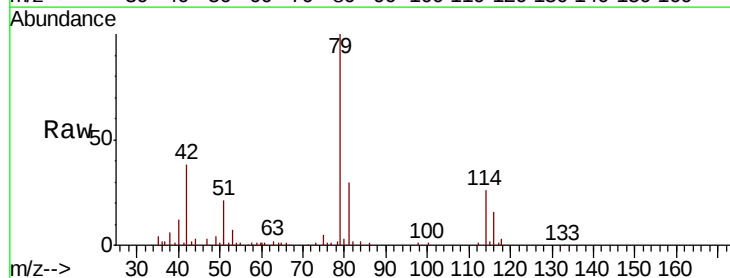
Tot Ion: 75 Resp: 2713
 Ion Ratio Lower Upper
 75 100
 77 41.4 22.5 41.9

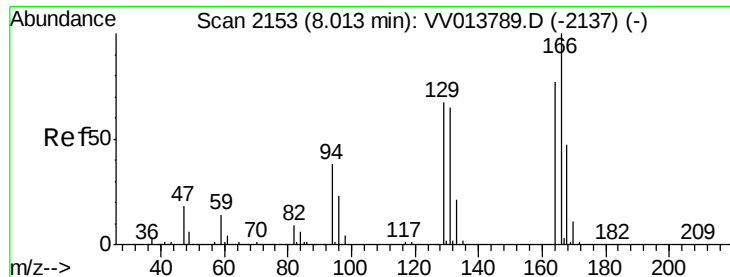


#44

trans-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV013808.D
 Acq: 27 Nov 2019 00:03

Tgt Ion: 75 Resp: 1750
 Ion Ratio Lower Upper
 75 100
 77 25.3 23.0 42.8

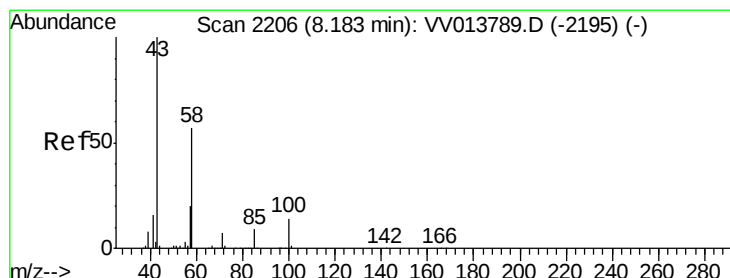
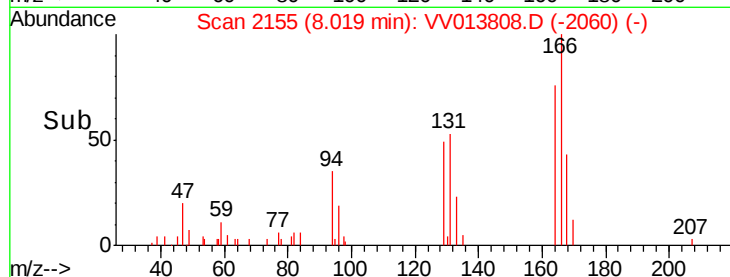
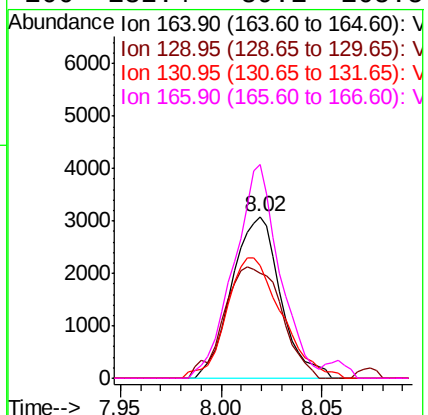
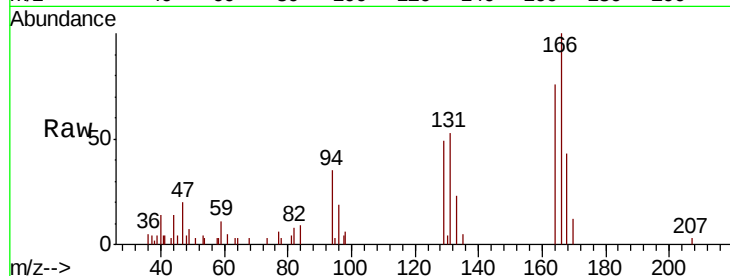




#47
Tetrachloroethene
Concen: 0.287 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.01 min
Lab File: VV013808.D
Acq: 27 Nov 2019 00:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 5208
Ion Ratio Lower Upper
164 100
129 65.2 60.3 112.1
131 69.8 59.9 111.3
166 132.4 89.1 165.5



#48
2-Hexanone
Concen: 0.822 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013808.D
Acq: 27 Nov 2019 00:03

Tgt Ion: 43 Resp: 6679
Ion Ratio Lower Upper
43 100
58 0.0 43.2 64.8#
57 35.6 15.4 23.2#
100 19.3 10.4 15.6#

