

Data File : VV013739.D
Acq On : 22 Nov 2019 17:24
Operator : SY/MD
Sample : K5941-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AC3

Quant Time: Nov 23 01:38:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	328974	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	312310	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110167	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.58	69	99446	5.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.00%
11) 1,1-Dichloroethene-d2	2.13	63	150590	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	3.94	46	283706	67.03	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.06%#
24) Chloroform-d	4.40	84	229489	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.08	65	117810	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
32) Benzene-d6	5.09	84	454375	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	6.11	67	138725	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.36	98	408816	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	7.66	79	51287	5.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.80%
46) 2-Hexanone-d5	8.14	63	207420	60.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101039	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.40%#
64) 1,2-Dichlorobenzene-d4	11.67	152	161619	6.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	33190	1.725 ug/L	99
6) Bromomethane	1.54	94	997	0.096 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1615	0.089 ug/L #	33
12) 1,1-Dichloroethene	2.14	96	2767	0.175 ug/L #	1
13) Acetone	2.34	43	11138	3.763 ug/L	74
19) 1,1-Dichloroethane	3.23	63	1844	0.052 ug/L #	62
25) Chloroform	4.42	83	94901	2.511 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	17144	0.537 ug/L	99
34) Trichloroethene	5.96	95	9335	0.442 ug/L	94
35) Methylcyclohexane	6.11	83	33169	1.176 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	14641	0.744 ug/L #	85
40) 4-Methyl-2-pentanone	7.18	43	63028	5.486 ug/L #	44
44) trans-1,3-Dichloropropene	7.66	75	2563	0.117 ug/L	97
47) Tetrachloroethene	8.02	164	9731	0.530 ug/L	94
48) 2-Hexanone	8.18	43	14610	1.782 ug/L #	49
49) Dibromochloromethane	8.02	129	7795	0.433 ug/L #	13

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
Quantitation Report (Not Reviewed)

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QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

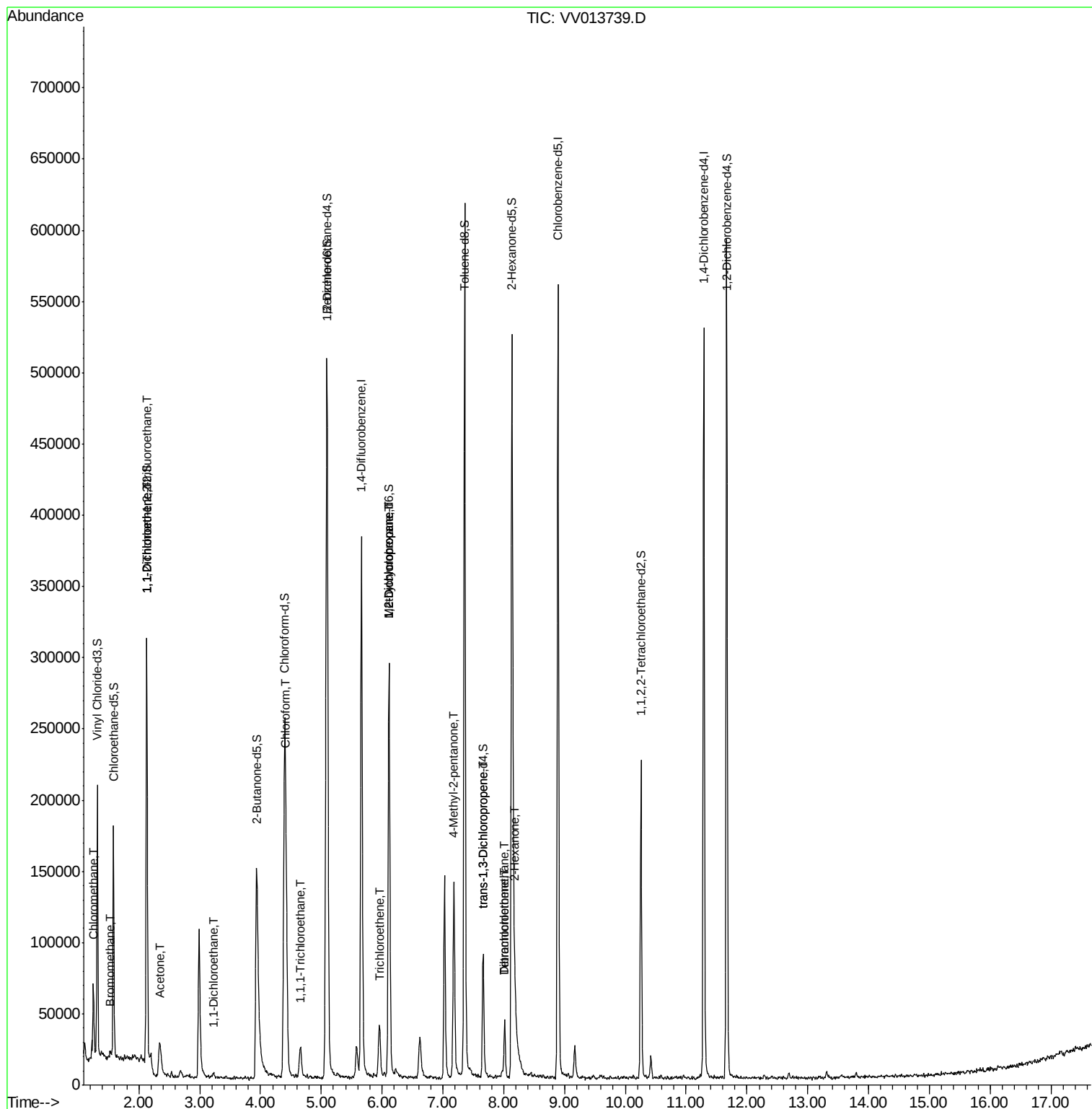
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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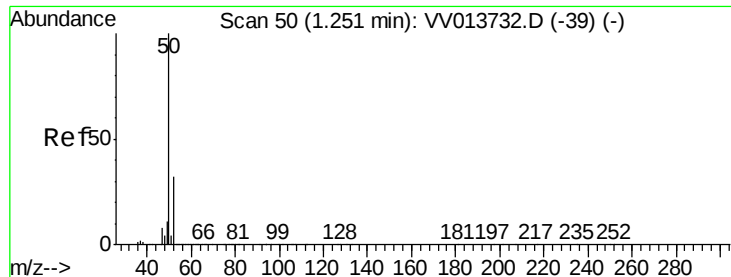
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.725 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

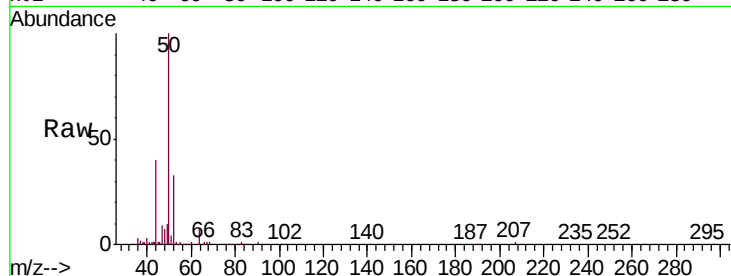
B0AC3

Tgt Ion: 50 Resp: 33190

Ion Ratio Lower Upper

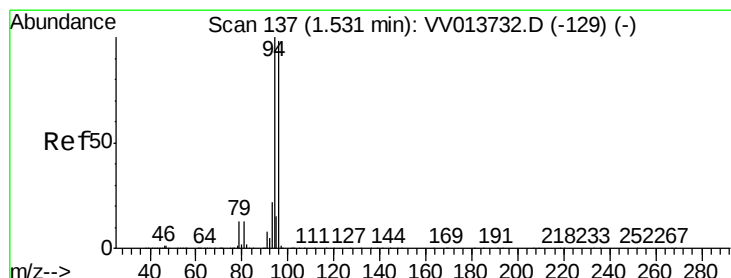
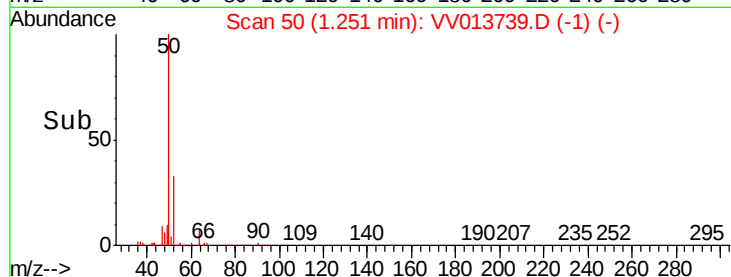
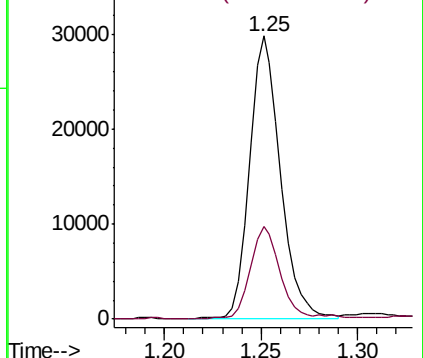
50 100

52 32.6 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: 0.096 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV013739.D

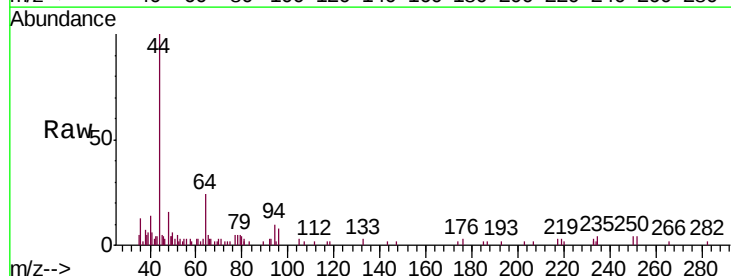
Acq: 22 Nov 2019 17:24

Tgt Ion: 94 Resp: 997

Ion Ratio Lower Upper

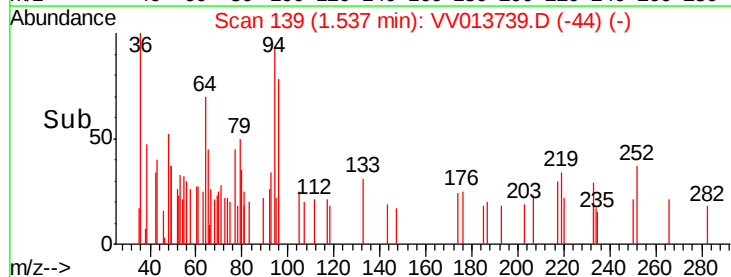
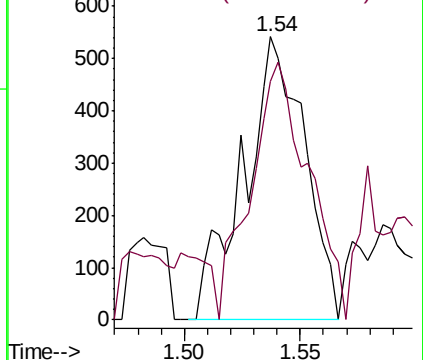
94 100

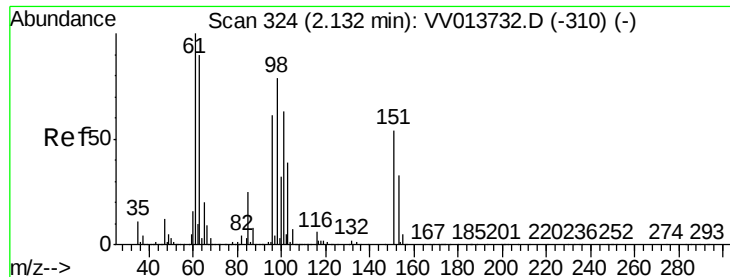
96 84.3 65.2 121.0



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: 0.089 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

B0AC3

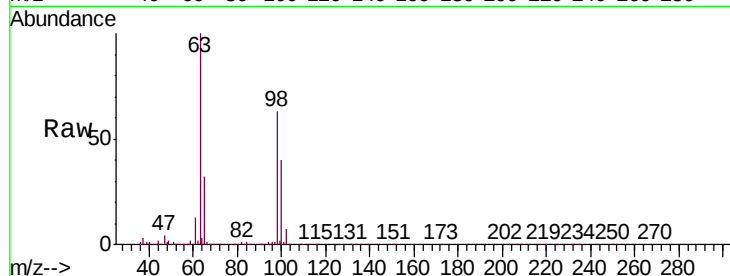
Tgt Ion: 101 Resp: 1615

Ion Ratio Lower Upper

101 100

85 28.5 33.4 50.0#

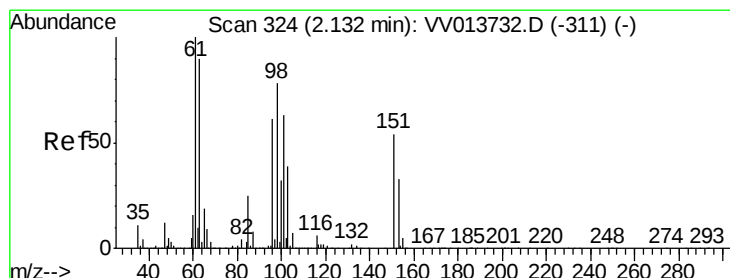
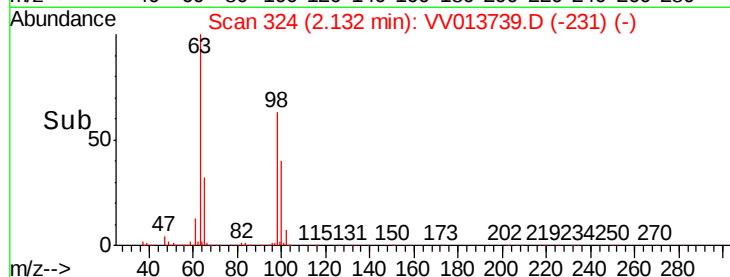
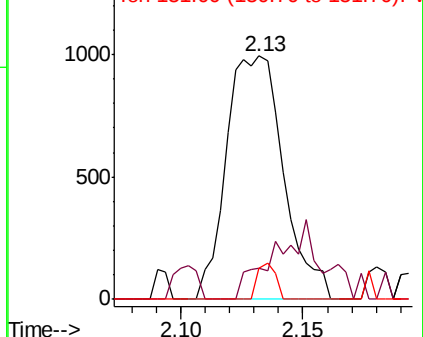
151 4.5 69.4 104.0#



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: 0.175 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

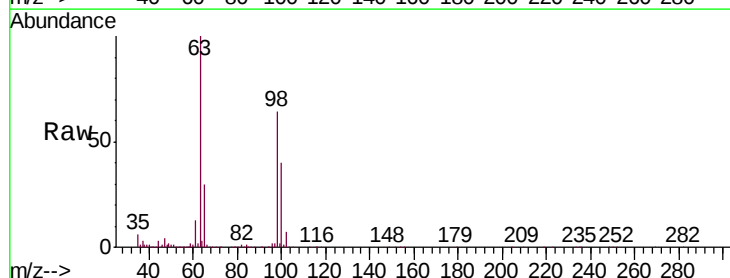
Tgt Ion: 96 Resp: 2767

Ion Ratio Lower Upper

96 100

61 626.1 116.3 215.9#

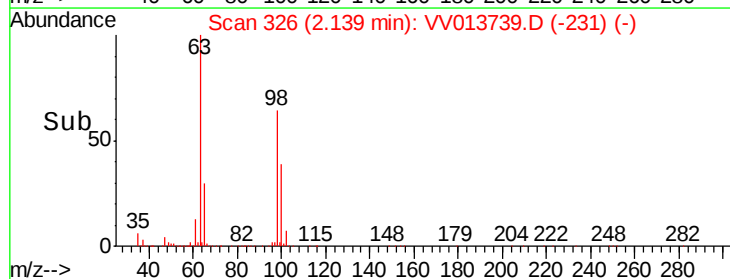
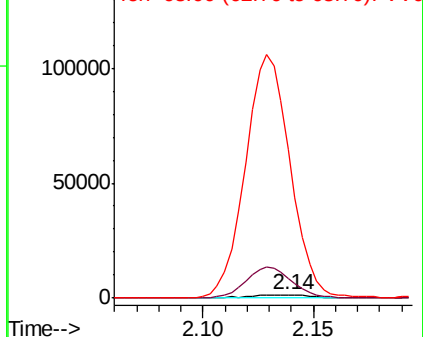
63 4668.8 96.7 179.7#

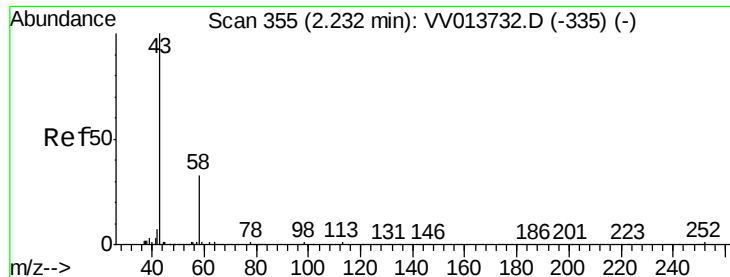


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.763 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.11 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampled :

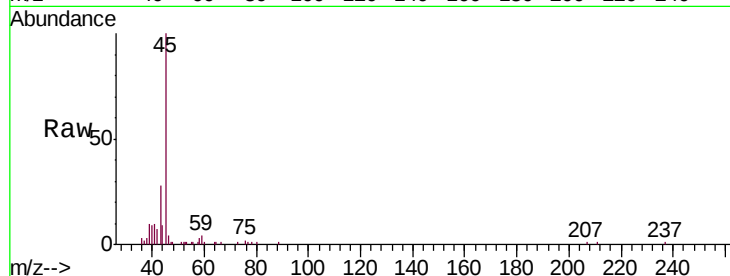
B0AC3

Tgt Ion: 43 Resp: 11138

Ion Ratio Lower Upper

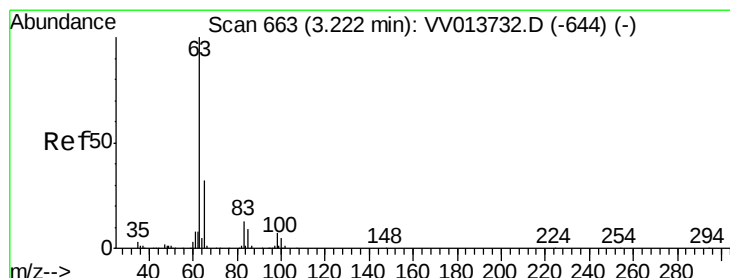
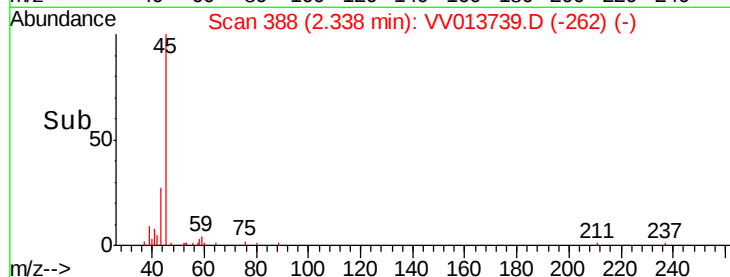
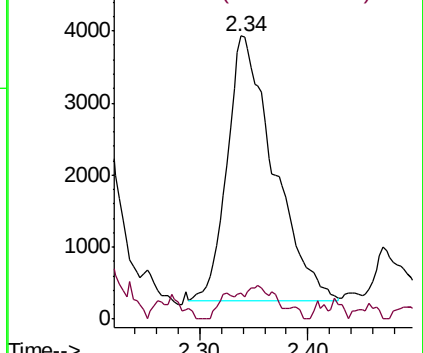
43 100

58 3.2 0.0 27.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#19

1,1-Dichloroethane

Concen: 0.052 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

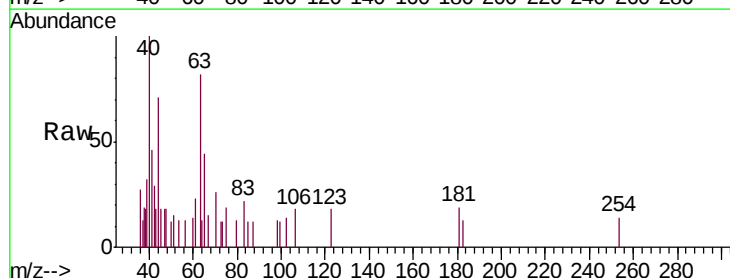
Tgt Ion: 63 Resp: 1844

Ion Ratio Lower Upper

63 100

65 54.2 22.7 42.1#

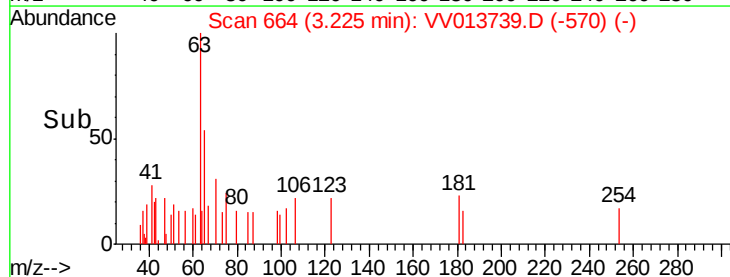
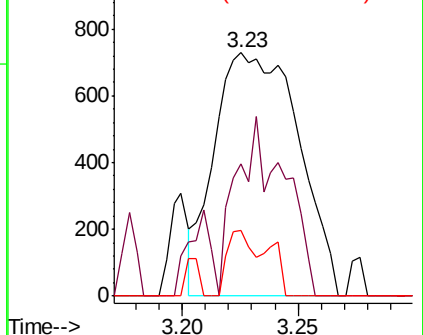
83 27.2 9.2 17.2#

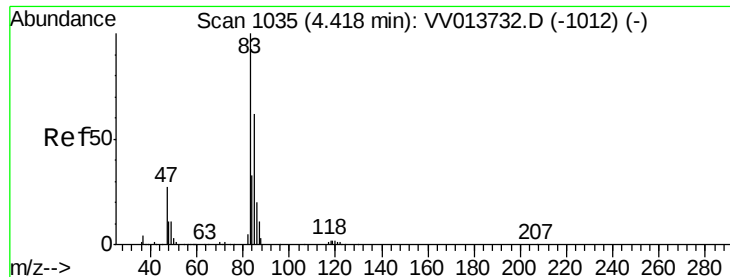


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

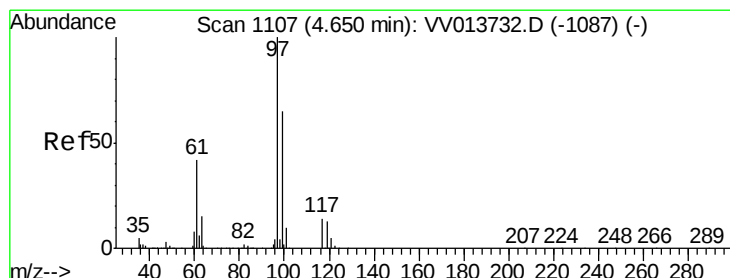
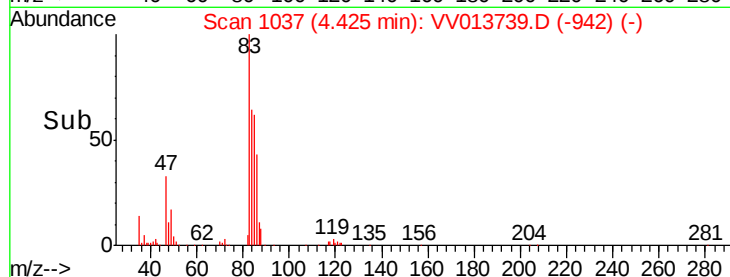
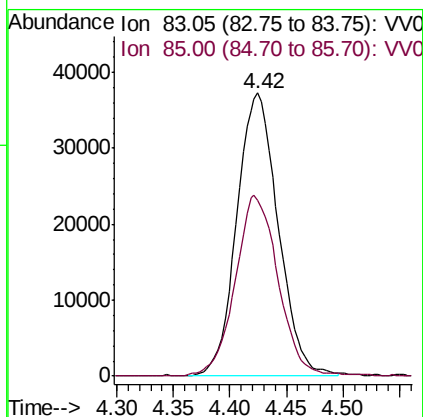
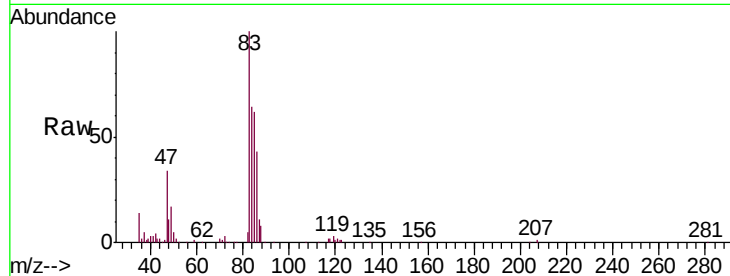




#25
Chloroform
Concen: 2.511 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013739.D
Acq: 22 Nov 2019 17:24

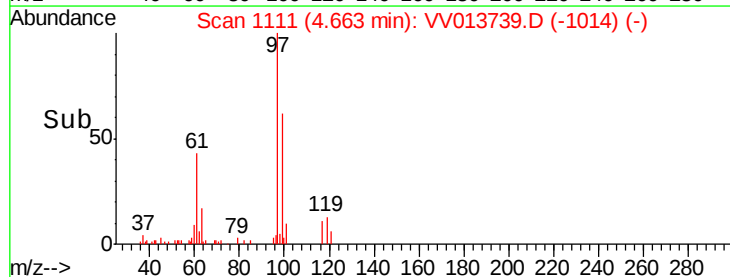
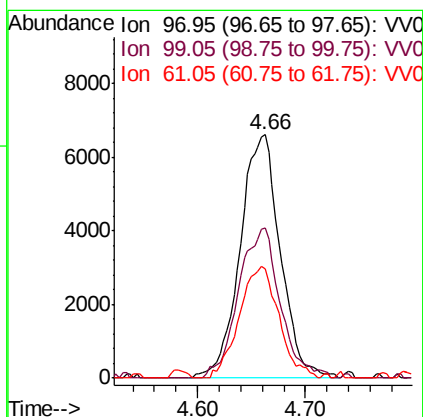
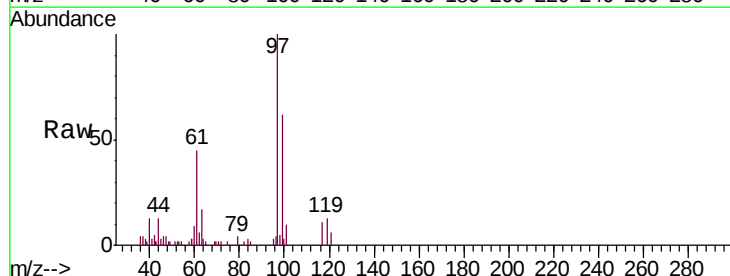
Instrument :
MSVOA_V
ClientSampleId :
B0AC3

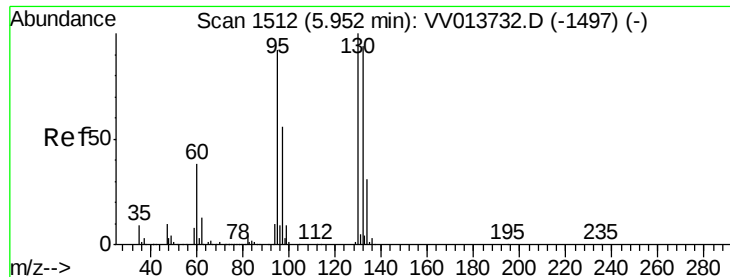
Tgt Ion: 83 Resp: 94901
Ion Ratio Lower Upper
83 100
85 62.1 45.1 83.7



#29
1,1,1-Trichloroethane
Concen: 0.537 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VV013739.D
Acq: 22 Nov 2019 17:24

Tgt Ion: 97 Resp: 17144
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 45.3 35.0 52.6





#34

Trichloroethene

Concen: 0.442 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

B0AC3

Tgt Ion: 95 Resp: 9335

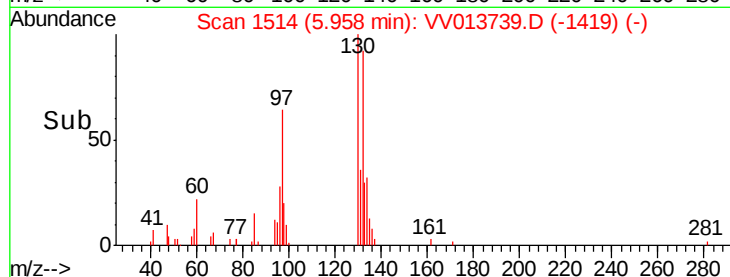
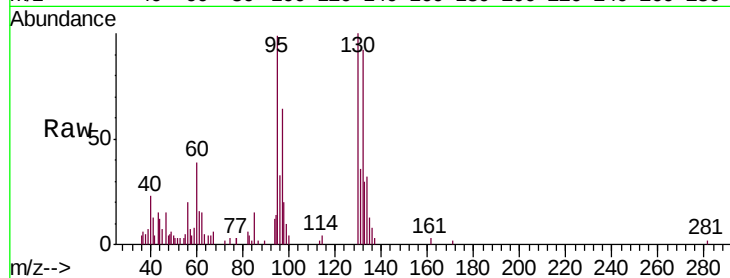
Ion Ratio Lower Upper

95 100

97 64.3 45.6 84.8

132 93.0 70.5 130.9

130 100.9 75.9 140.9

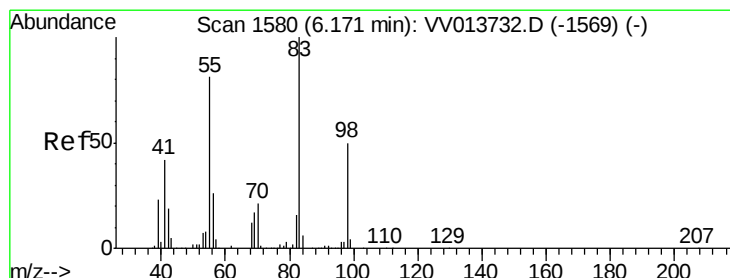
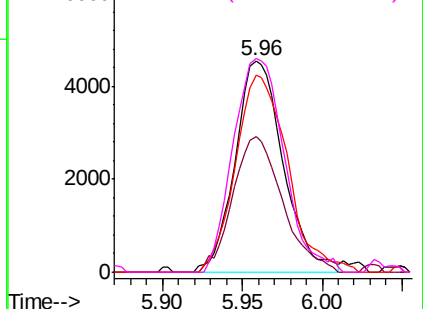


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 1.176 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

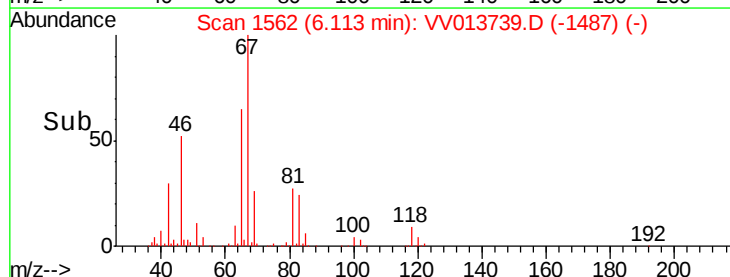
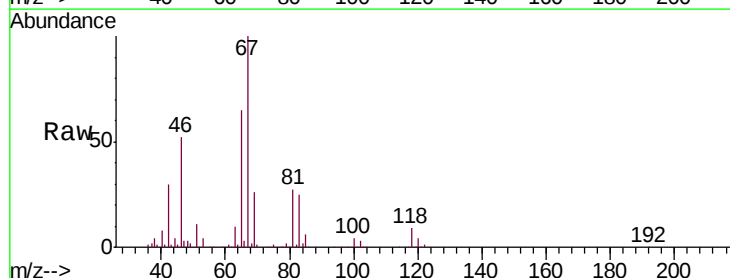
Tgt Ion: 83 Resp: 33169

Ion Ratio Lower Upper

83 100

55 0.7 60.3 90.5#

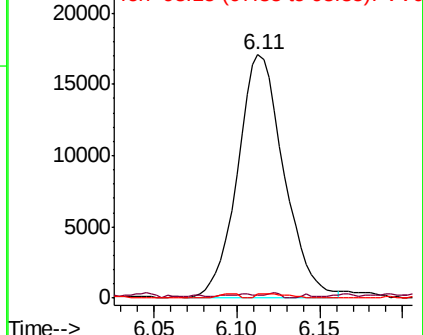
98 1.2 38.1 57.1#

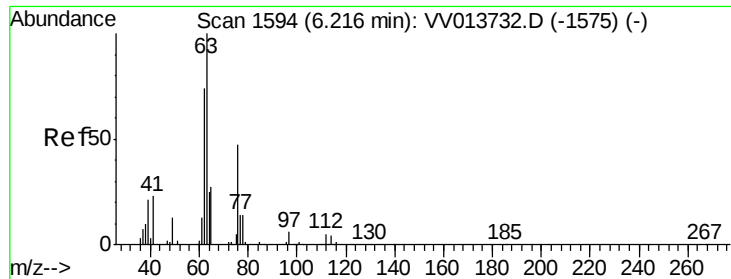


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

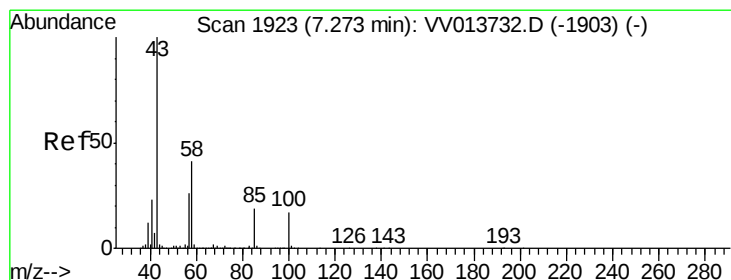
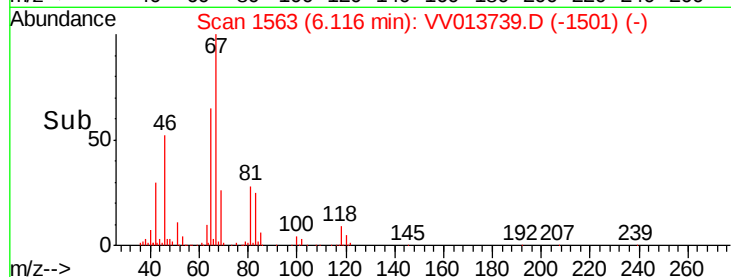
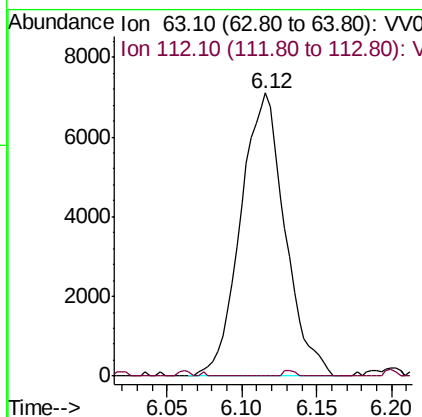
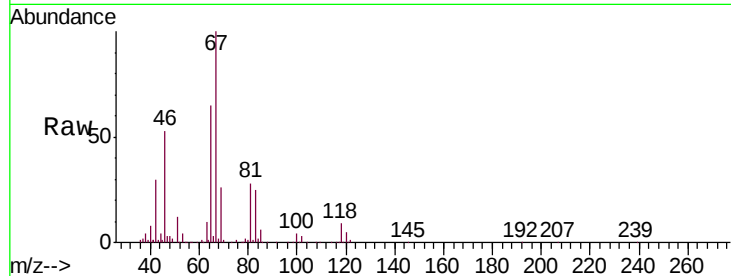




#37
 1,2-Dichloropropane
 Concen: 0.744 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013739.D
 Acq: 22 Nov 2019 17:24

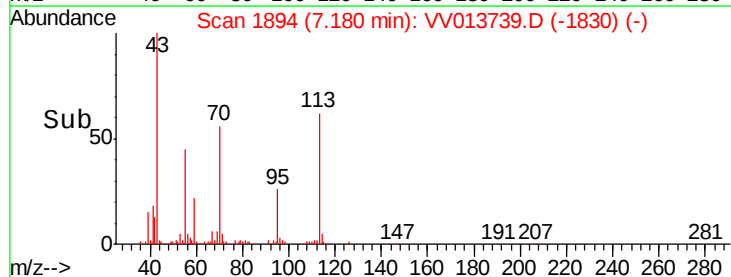
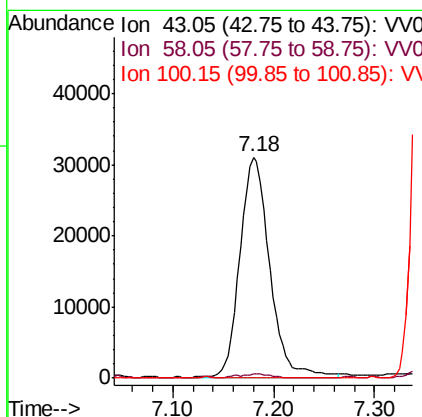
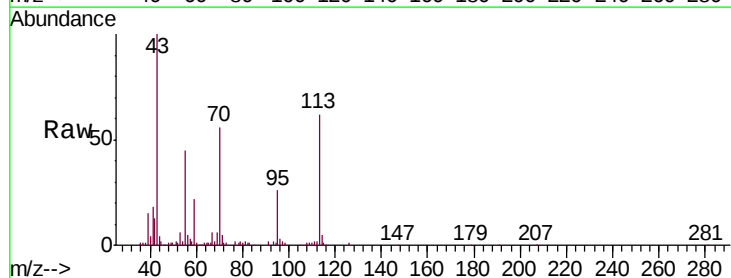
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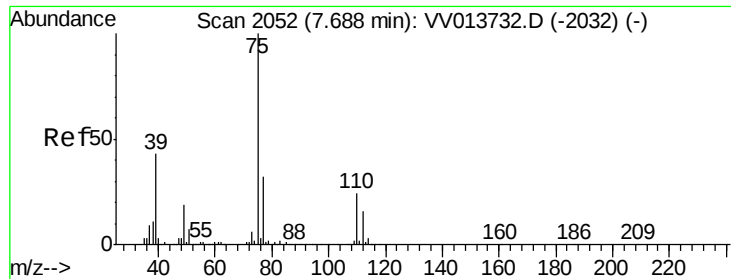
Tgt Ion: 63 Resp: 14641
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.4 6.6#



#40
 4-Methyl-2-pentanone
 Concen: 5.486 ug/L
 RT: 7.18 min Scan# 1894
 Delta R.T. -0.09 min
 Lab File: VV013739.D
 Acq: 22 Nov 2019 17:24

Tgt Ion: 43 Resp: 63028
 Ion Ratio Lower Upper
 43 100
 58 1.5 32.3 48.5#
 100 0.0 12.7 19.1#





#44

trans-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

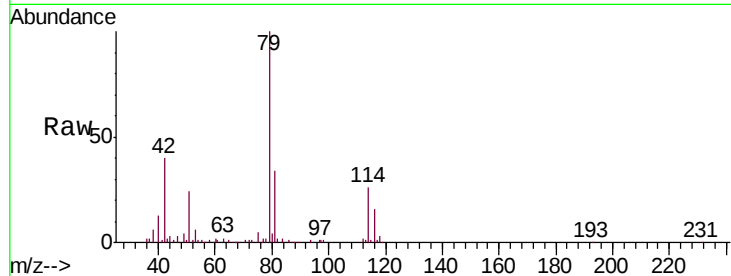
B0AC3

Tgt Ion: 75 Resp: 2563

Ion Ratio Lower Upper

75 100

77 34.9 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV013732.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV013739.D (-1959) (-)

7.66

1500

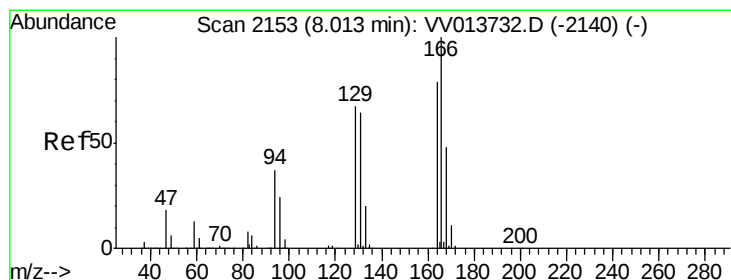
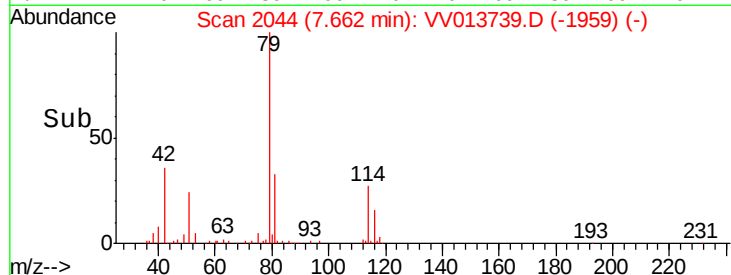
1000

500

0

7.60 7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 0.530 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Tgt Ion: 164 Resp: 9731

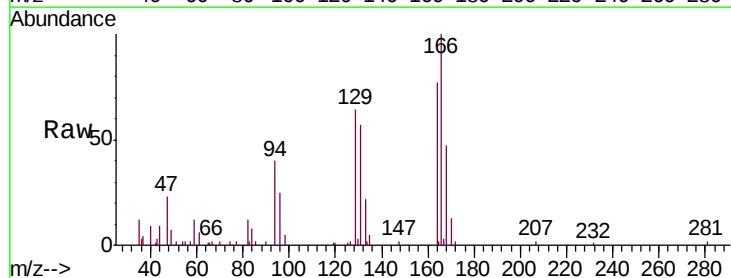
Ion Ratio Lower Upper

164 100

129 83.3 60.3 112.1

131 74.6 59.9 111.3

166 130.5 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV013732.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV013739.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV013739.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV013739.D (-2060) (-)

8.02

10000

8000

6000

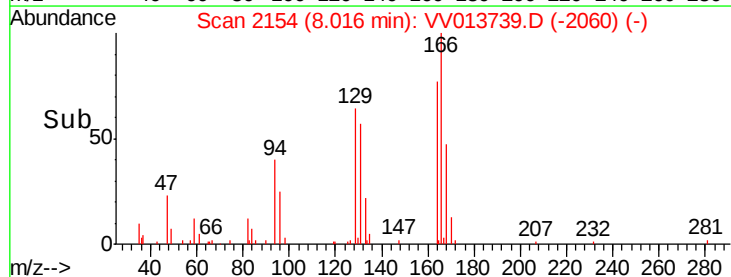
4000

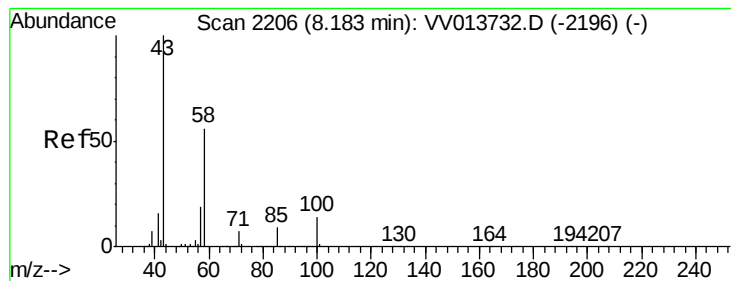
2000

0

7.95 8.00 8.05

Time-->





#48

2-Hexanone

Concen: 1.782 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV013739.D

Acq: 22 Nov 2019 17:24

Instrument :
MSVOA_V
ClientSampleId :
B0AC3

Tgt Ion: 43 Resp: 14610

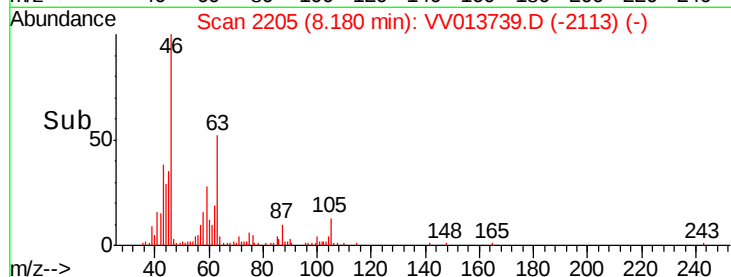
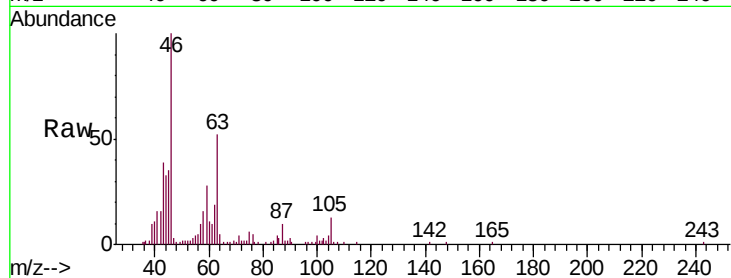
Ion Ratio Lower Upper

43 100

58 0.0 43.2 64.8#

57 11.7 15.4 23.2#

100 11.6 10.4 15.6

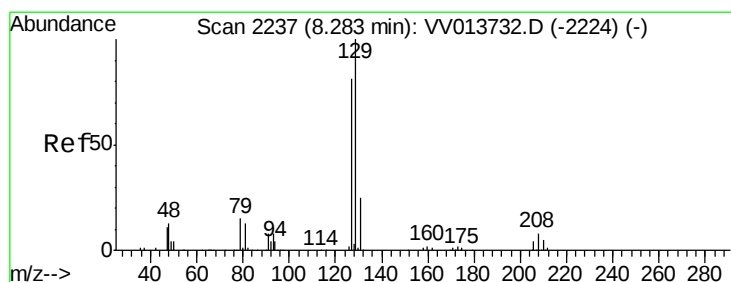
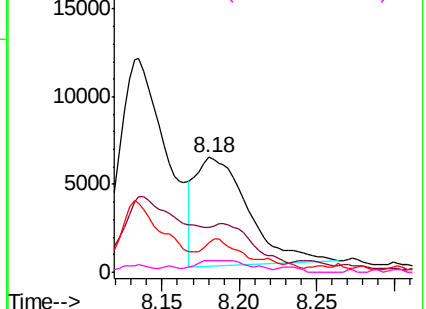


Abundance Ion 43.05 (42.75 to 43.75): VV013739.D (-2113) (-)

Ion 58.05 (57.75 to 58.75): VV013739.D (-2113) (-)

Ion 57.20 (56.90 to 57.90): VV013739.D (-2113) (-)

Ion 100.15 (99.85 to 100.85): VV013739.D (-2113) (-)



#49

Dibromochloromethane

Concen: 0.433 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013739.D

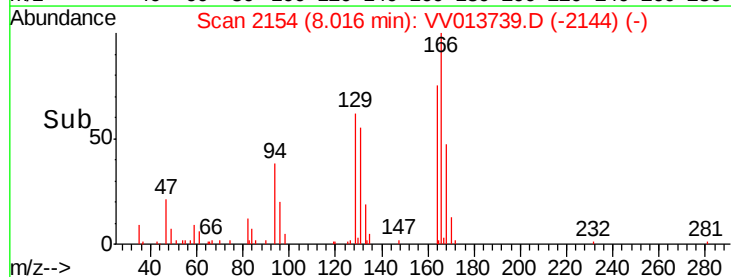
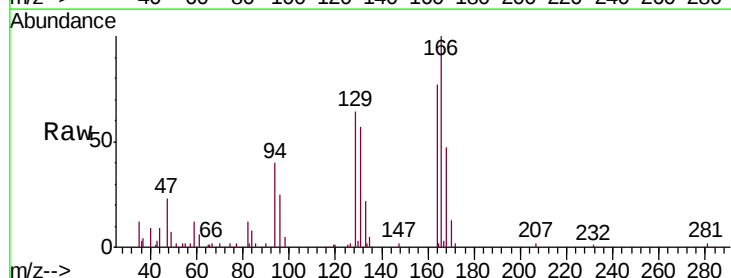
Acq: 22 Nov 2019 17:24

Tgt Ion: 129 Resp: 7795

Ion Ratio Lower Upper

129 100

127 2.7 55.7 103.5#



Abundance Ion 128.95 (128.65 to 129.65): VV013739.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV013739.D (-2144) (-)

