

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012632.D
 Acq On : 09 Sep 2019 19:35
 Operator : SY/MD
 Sample : K4703-15
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	371671	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	368121	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123896	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	109286	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.13	63	150617	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.94	46	363425	59.90	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.80%
24) Chloroform-d	4.40	84	232690	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.08	65	121820	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.10	84	442172	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	148302	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.36	98	352120	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.66	79	47753	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.13	63	188634	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105384	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	140937	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3742	0.119 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2211	0.091 ug/L #	18
12) 1,1-Dichloroethene	2.14	96	8900	0.385 ug/L #	1
13) Acetone	2.19	43	8969	2.522 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	9604	0.177 ug/L #	90
19) 1,1-Dichloroethane	3.23	63	3568	0.073 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	2742	0.097 ug/L	91
25) Chloroform	4.42	83	65880	1.224 ug/L	96
27) 1,2-Dichloroethane	5.09	62	2225	0.079 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	4140	0.102 ug/L	94
34) Trichloroethene	5.96	95	151542	5.097 ug/L	97
35) Methylcyclohexane	6.11	83	35370	0.842 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	15927	0.594 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	1962	0.074 ug/L	86
47) Tetrachloroethene	8.02	164	72490	3.106 ug/L	97
48) 2-Hexanone	8.18	43	37997	3.575 ug/L #	86
49) Dibromochloromethane	8.02	129	62198	2.802 ug/L #	11

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QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

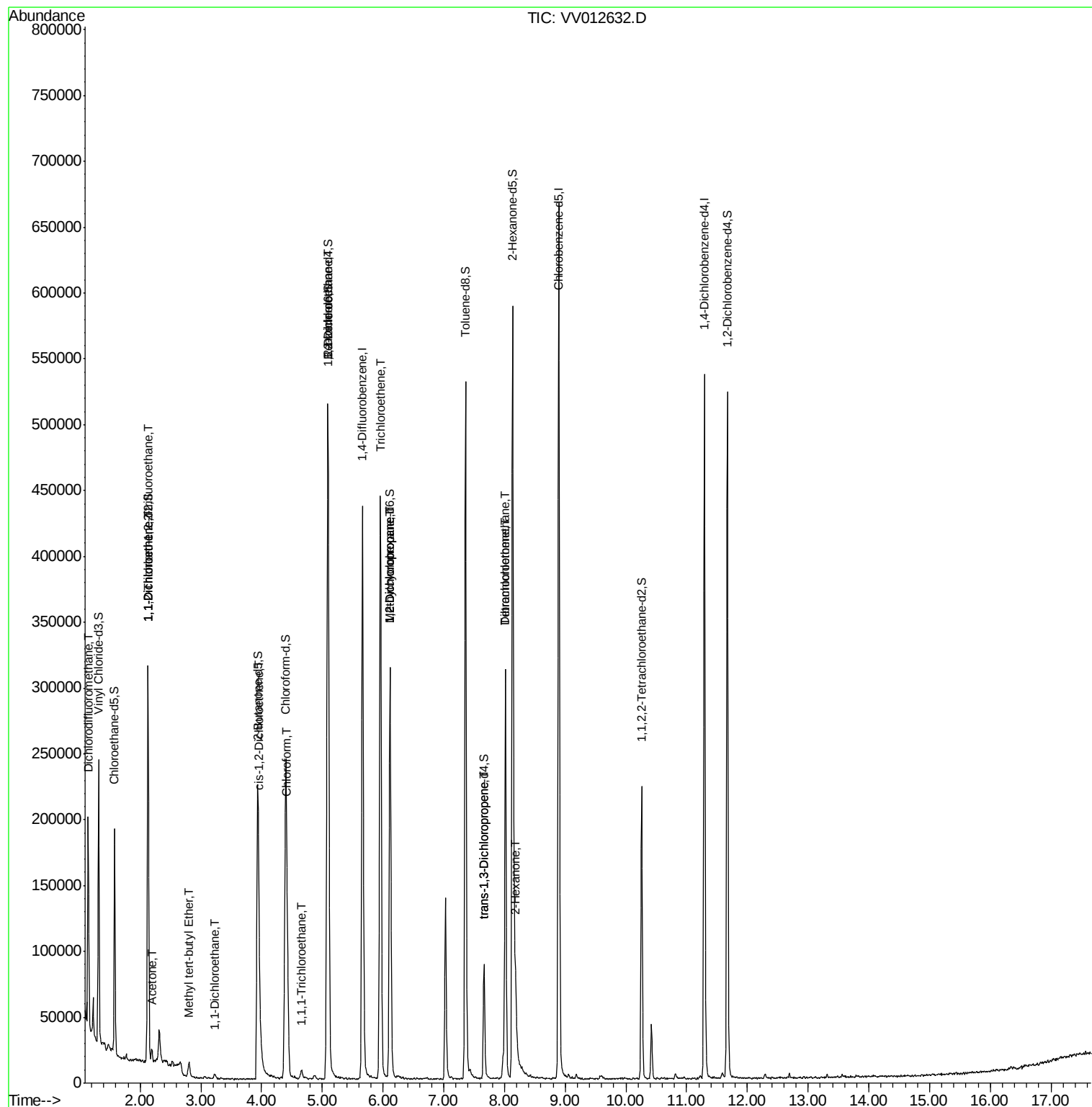
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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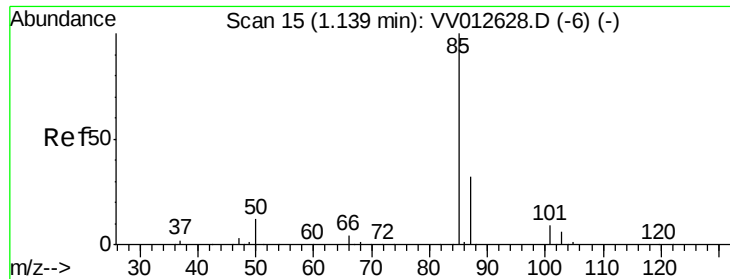
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.119 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

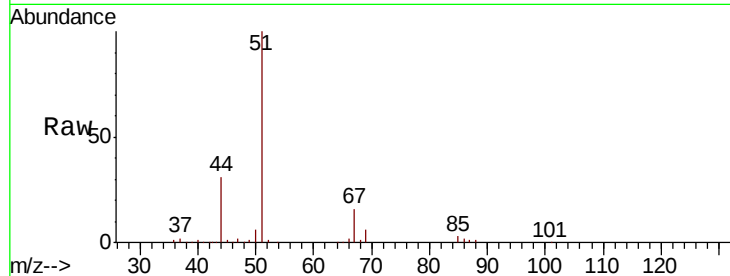
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 3742

Ion Ratio Lower Upper

85 100

87 33.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012628.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV012628.D (-6) (-)

1.14

3000

2500

2000

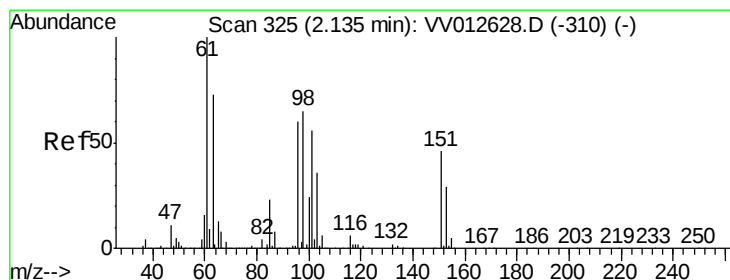
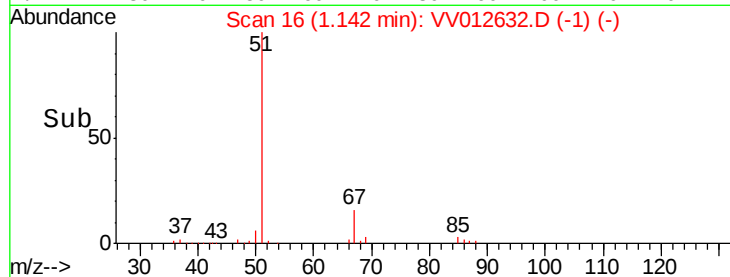
1500

1000

500

0

Time--> 1.10 1.15



#10

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

Concen: 0.091 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

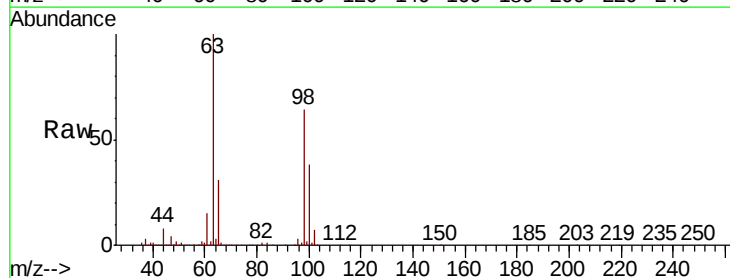
Tgt Ion: 101 Resp: 2211

Ion Ratio Lower Upper

101 100

85 1.9 33.0 49.6#

151 0.0 65.8 98.8#



Abundance Ion 101.00 (100.70 to 101.70): VV012628.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV012628.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV012628.D (-310) (-)

2.13

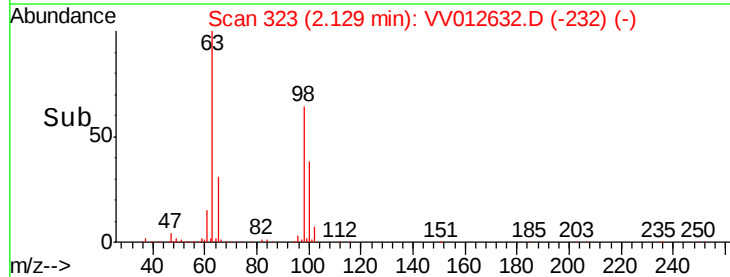
1500

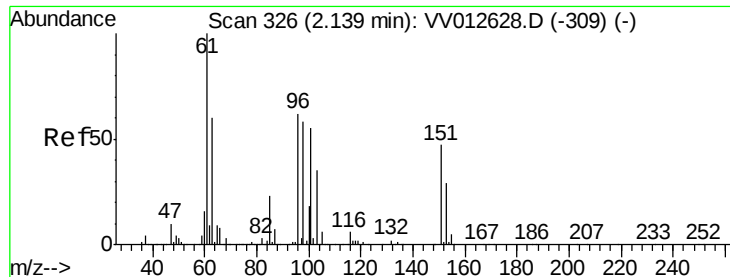
1000

500

0

Time--> 2.10 2.15





#12

1,1-Dichloroethene

Concen: 0.385 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

Instrument :
MSVOA_V
ClientSampled :

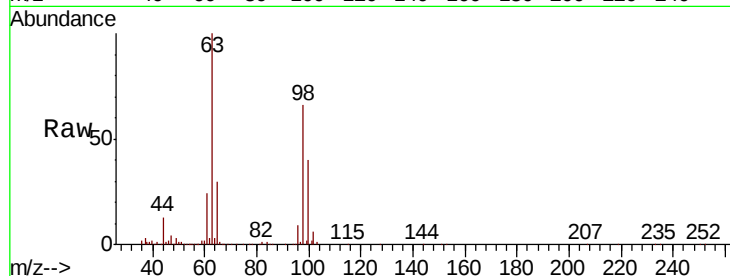
Tot Ion: 96 Resp: 8900

Ion Ratio Lower Upper

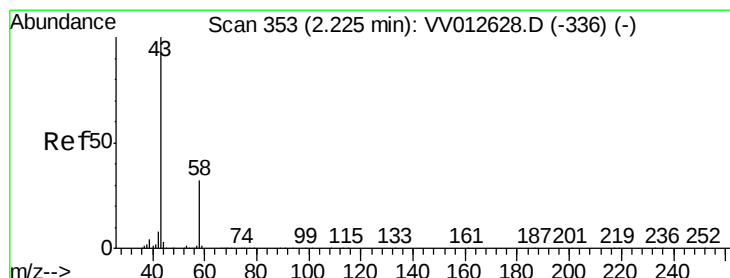
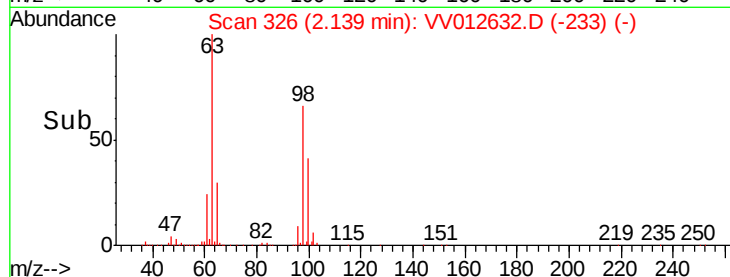
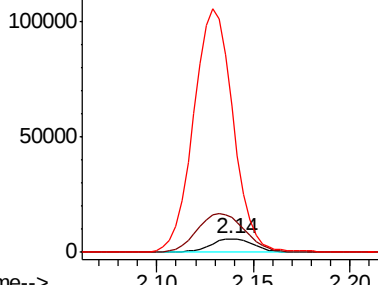
96 100

61 253.9 115.8 215.0#

63 1065.5 79.4 147.4#



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: 2.522 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV012632.D

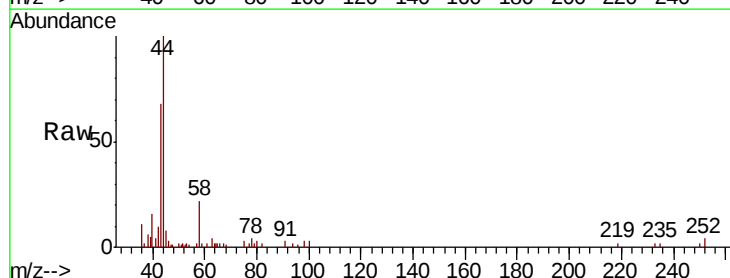
Acq: 09 Sep 2019 19:35

Tgt Ion: 43 Resp: 8969

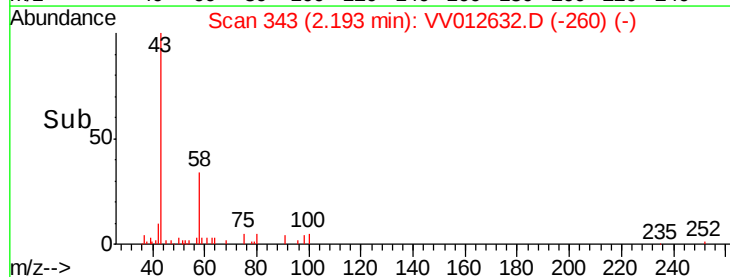
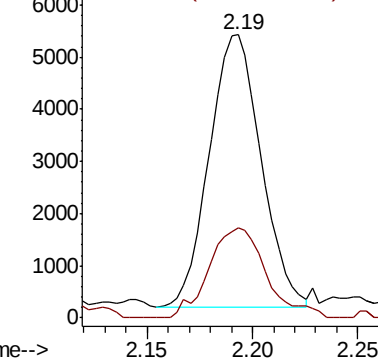
Ion Ratio Lower Upper

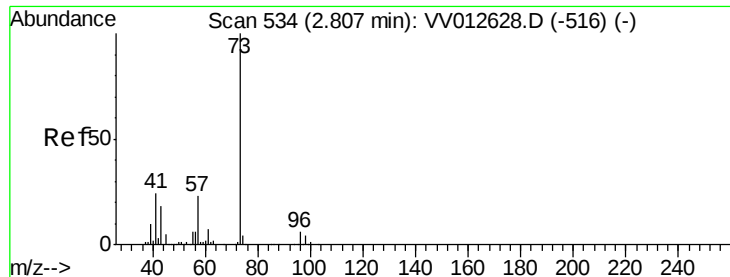
43 100

58 36.2 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0

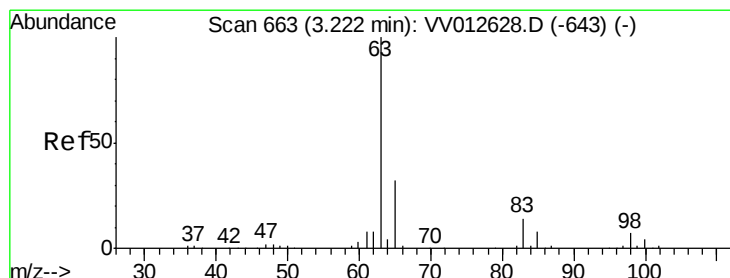
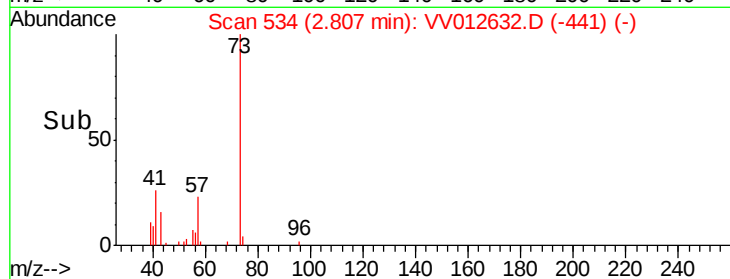
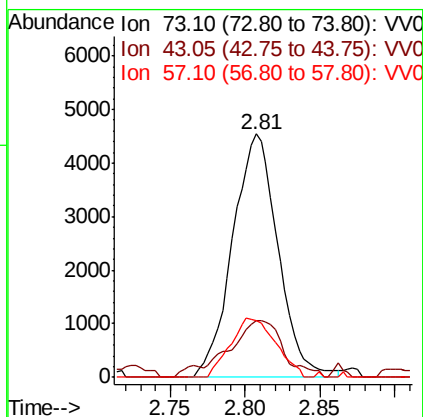
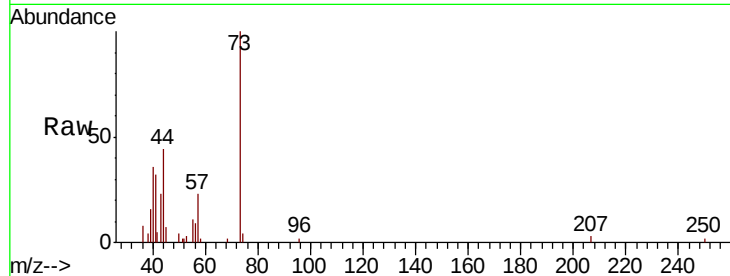




#17
Methvl tert-butvl Ether
Concen: 0.177 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012632.D
Acq: 09 Sep 2019 19:35

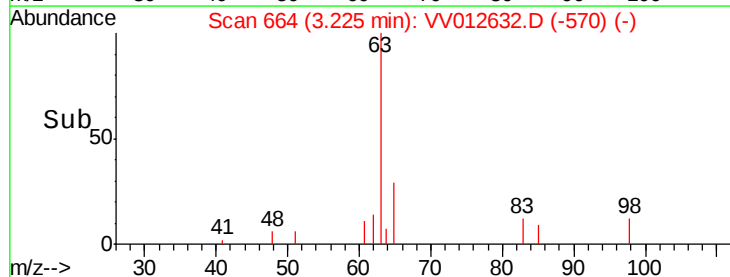
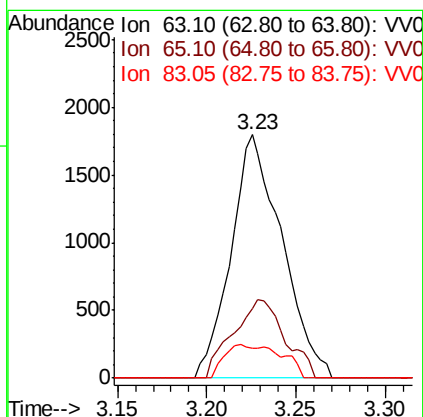
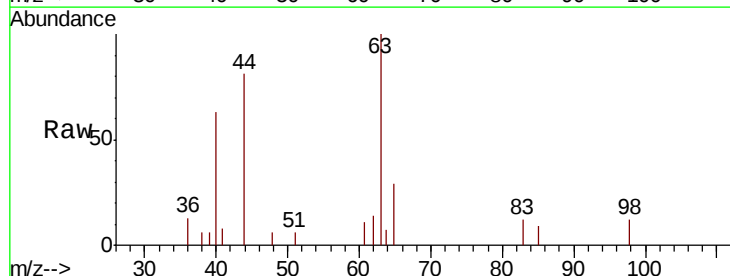
Instrument :
MSVOA_V
ClientSampleId :

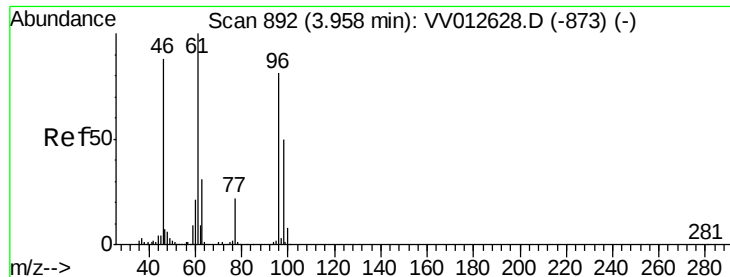
Tot Ion: 73 Resp: 9604
Ion Ratio Lower Upper
73 100
43 26.4 14.6 21.8#
57 24.1 18.2 27.2



#19
1,1-Dichloroethane
Concen: 0.073 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV012632.D
Acq: 09 Sep 2019 19:35

Tgt Ion: 63 Resp: 3568
Ion Ratio Lower Upper
63 100
65 26.7 22.7 42.3
83 11.6 9.1 16.9



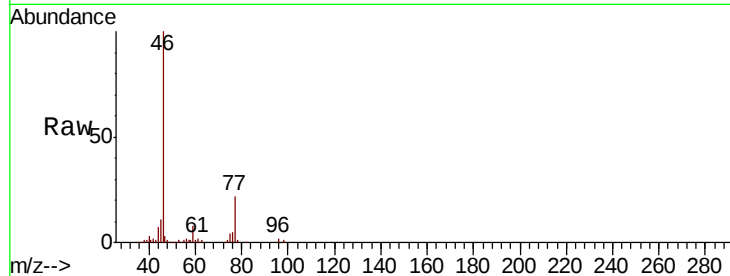


#22

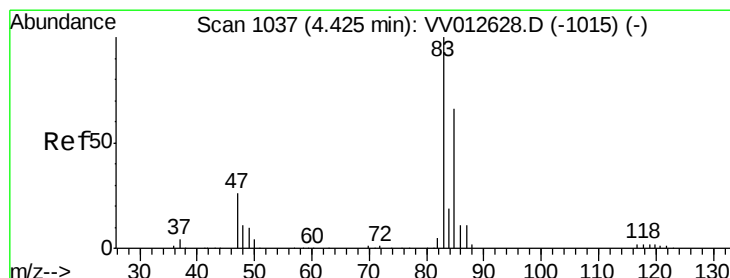
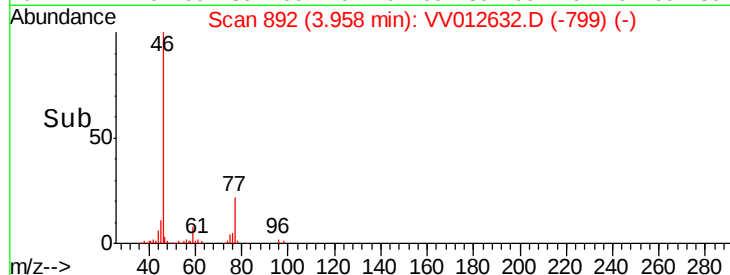
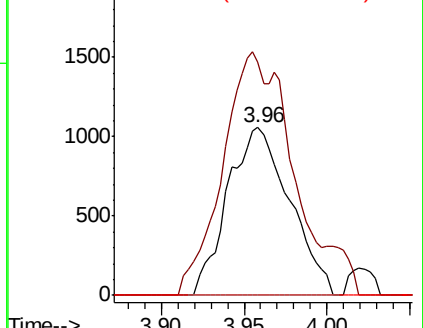
cis-1,2-Dichloroethene
 Concen: 0.097 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012632.D
 Acq: 09 Sep 2019 19:35

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 2742
 Ion Ratio Lower Upper
 96 100
 61 138.8 89.7 166.5
 68 0.0 0.0 0.0



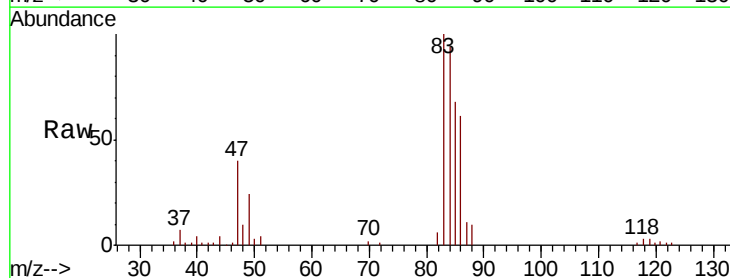
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



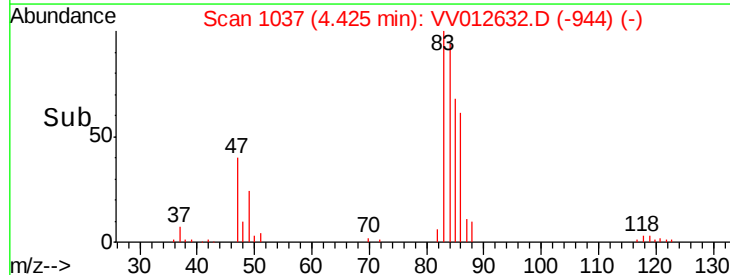
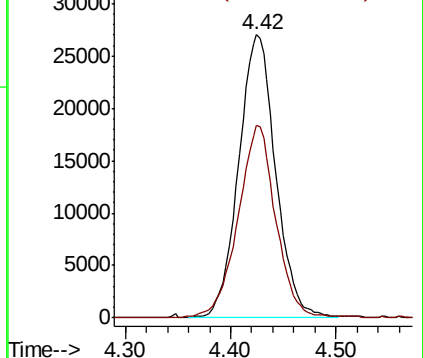
#25

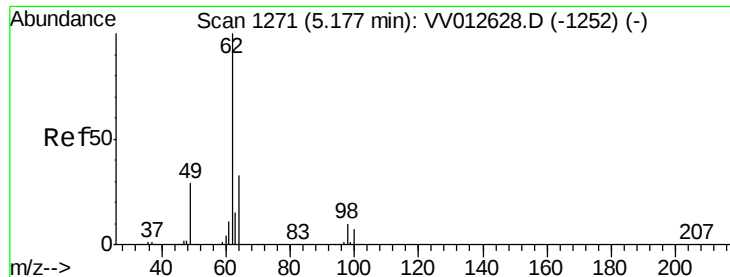
Chloroform
 Concen: 1.224 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012632.D
 Acq: 09 Sep 2019 19:35

Tgt Ion: 83 Resp: 65880
 Ion Ratio Lower Upper
 83 100
 85 67.9 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.079 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

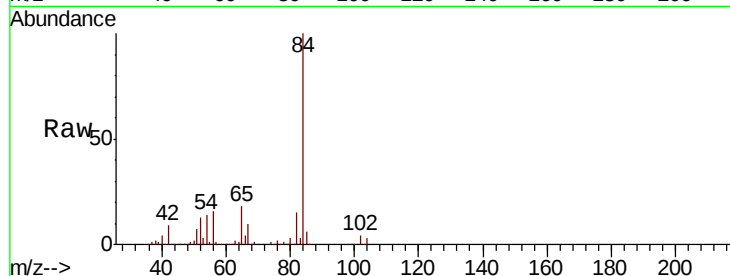
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2225

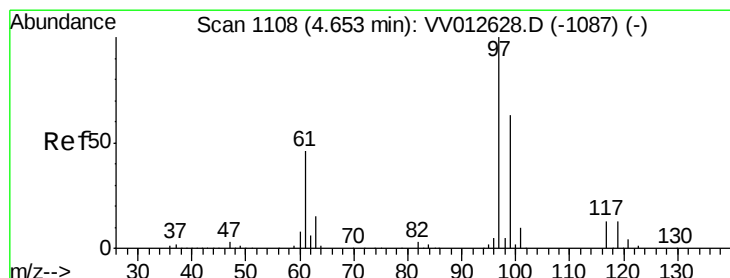
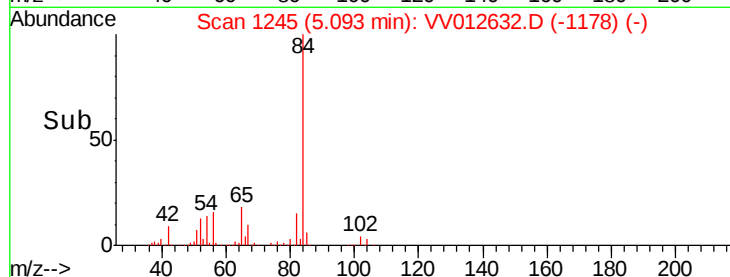
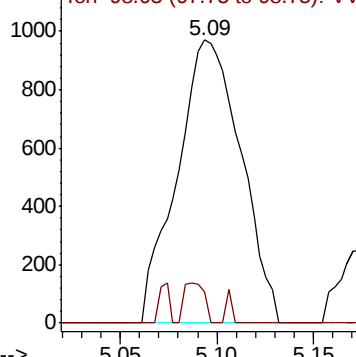
Ion Ratio Lower Upper

62 100

98 11.0 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.102 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

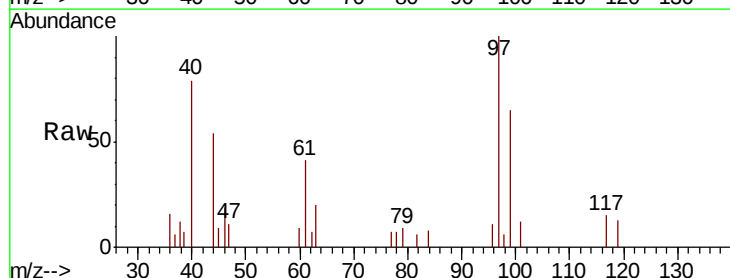
Tgt Ion: 97 Resp: 4140

Ion Ratio Lower Upper

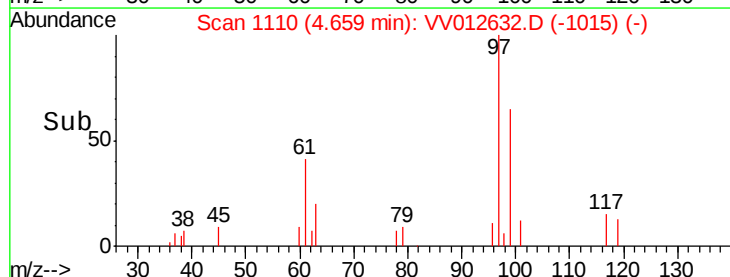
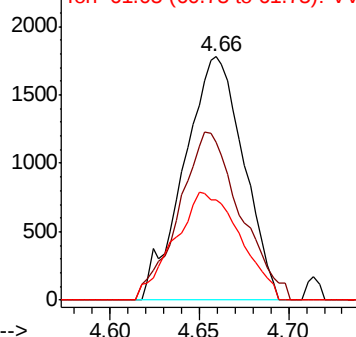
97 100

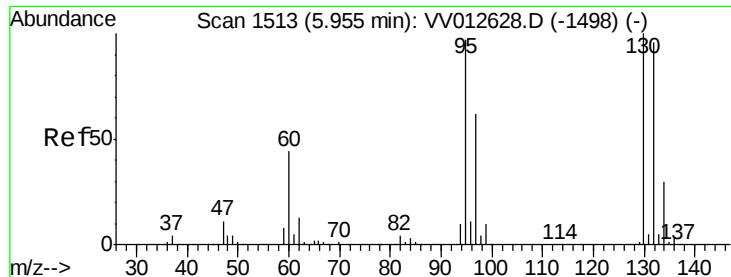
99 71.2 51.6 77.4

61 49.1 37.5 56.3



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 5.097 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 151542

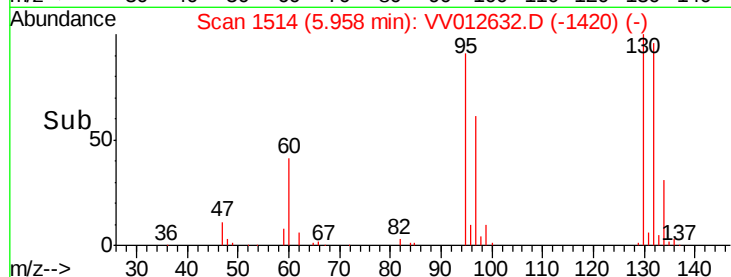
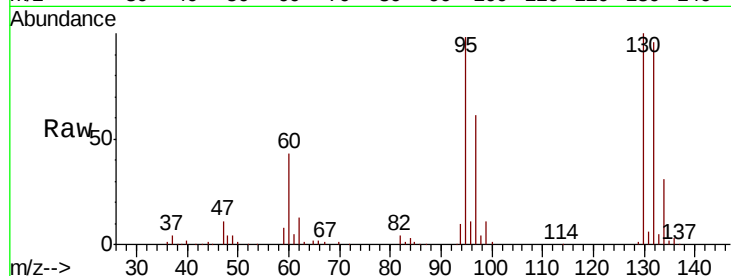
Ion Ratio Lower Upper

95 100

97 61.9 45.4 84.2

132 98.3 70.2 130.4

130 102.1 74.2 137.8



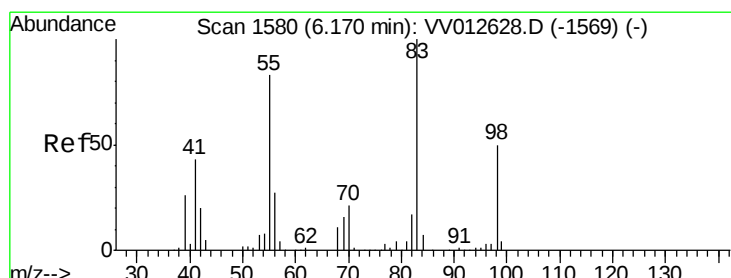
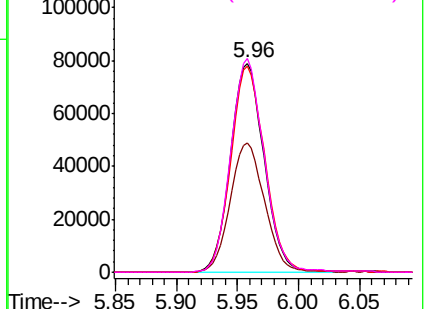
Abundance

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): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.842 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

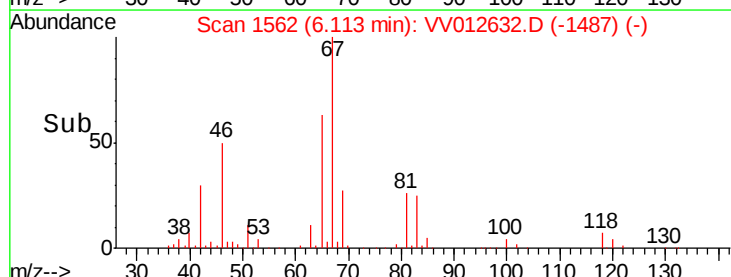
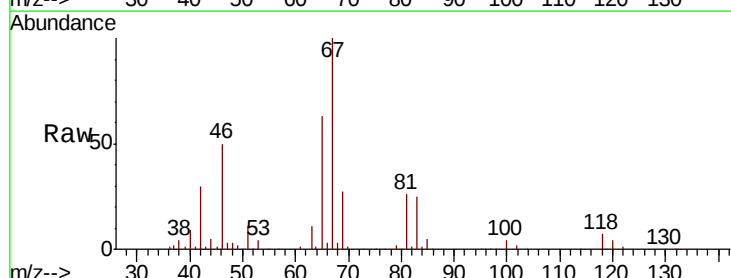
Tgt Ion: 83 Resp: 35370

Ion Ratio Lower Upper

83 100

55 0.8 63.0 94.4#

98 1.4 39.8 59.8#

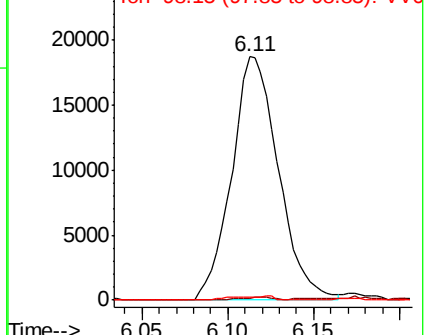


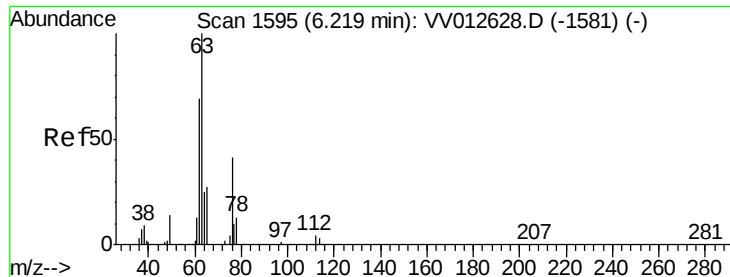
Abundance

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: 0.594 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012632.D

Acq: 09 Sep 2019 19:35

Instrument :

MSVOA_V

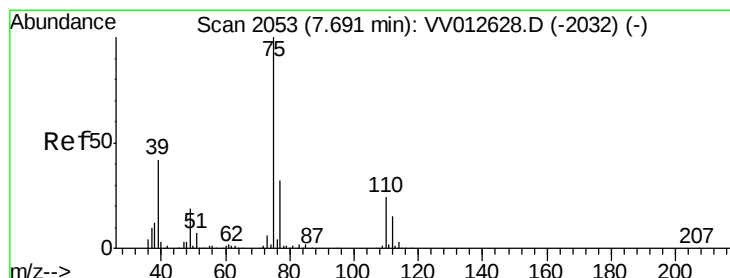
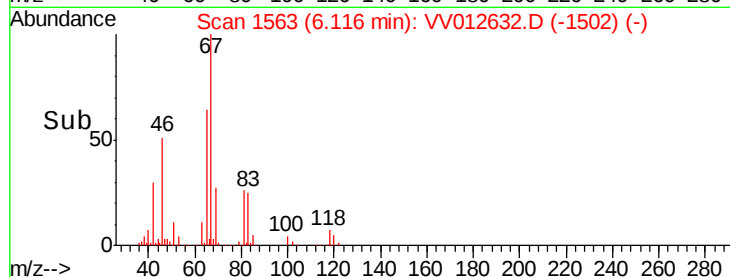
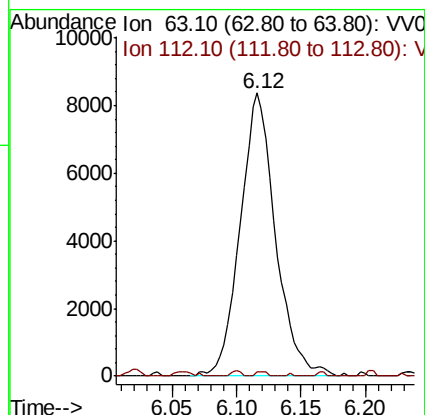
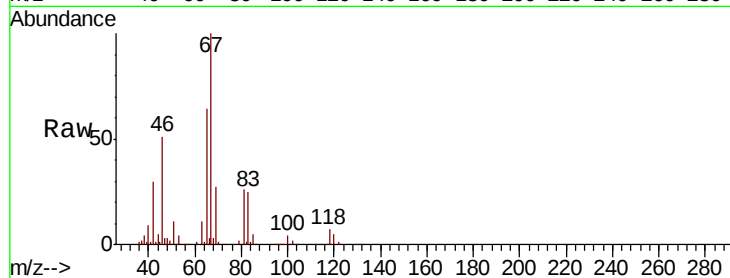
ClientSampleId :

Tot Ion: 63 Resp: 15927

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.6#



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012632.D

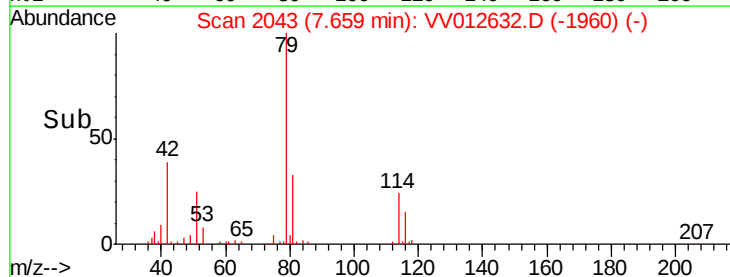
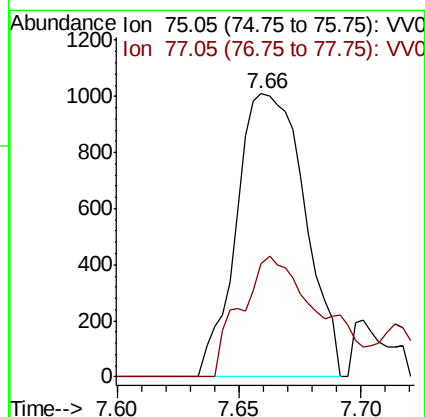
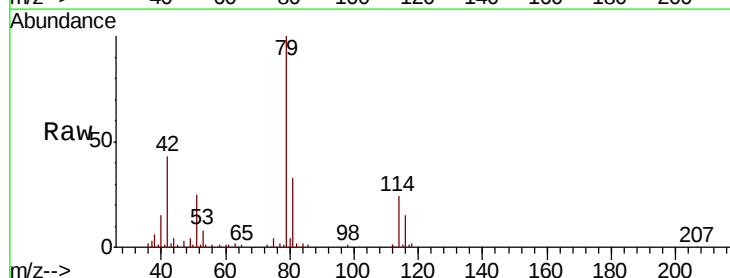
Acq: 09 Sep 2019 19:35

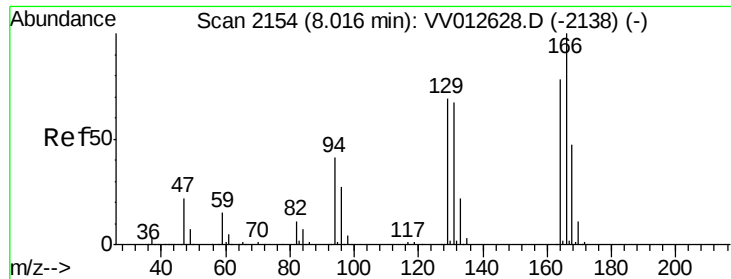
Tgt Ion: 75 Resp: 1962

Ion Ratio Lower Upper

75 100

77 40.0 22.4 41.6

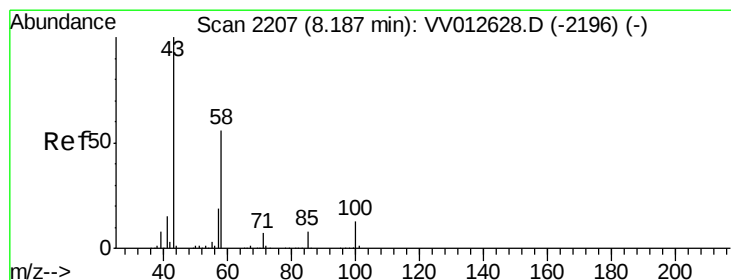
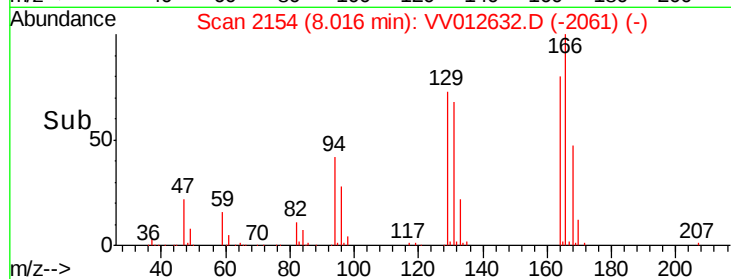
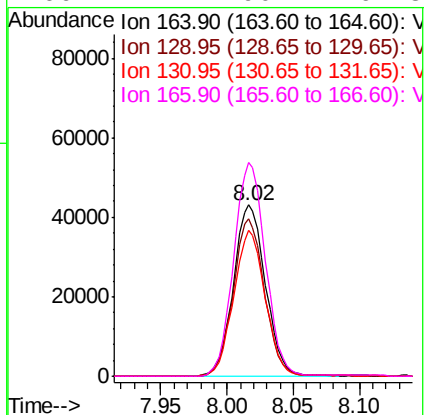
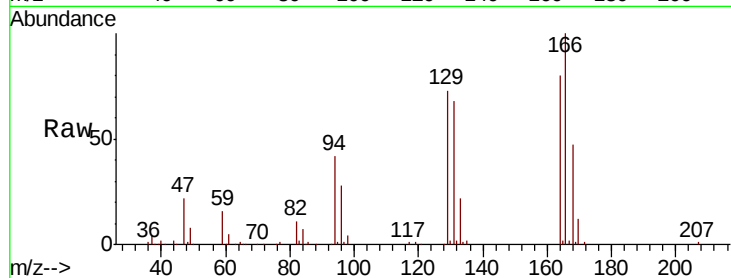




#47
Tetrachloroethene
Concen: 3.106 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012632.D
Acq: 09 Sep 2019 19:35

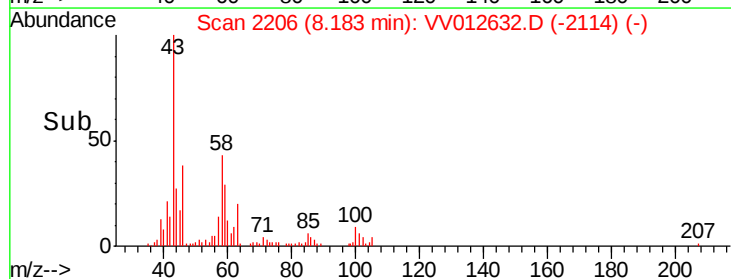
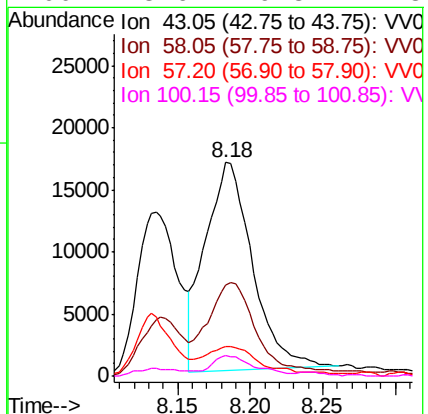
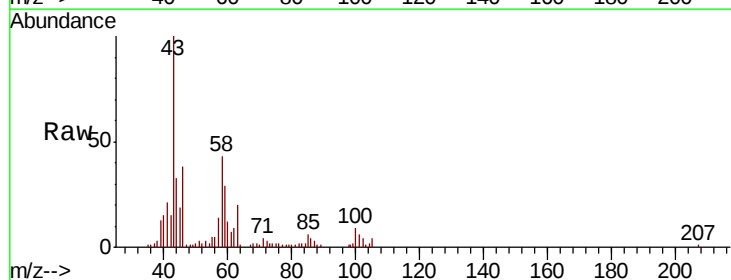
Instrument :
MSVOA_V
ClientSampleId :

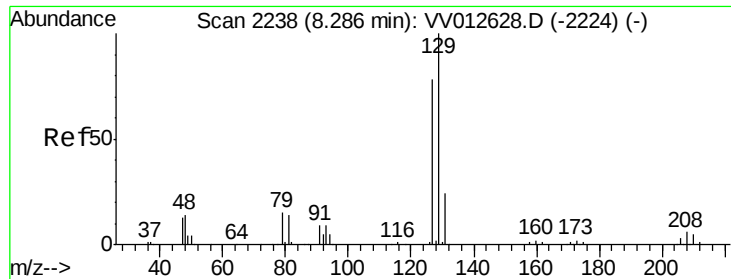
Tot Ion:164 Resp: 72490
Ion Ratio Lower Upper
164 100
129 91.6 61.9 114.9
131 85.1 59.7 110.9
166 124.7 90.4 167.8



#48
2-Hexanone
Concen: 3.575 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012632.D
Acq: 09 Sep 2019 19:35

Tgt Ion: 43 Resp: 37997
Ion Ratio Lower Upper
43 100
58 44.1 44.8 67.2#
57 14.0 14.9 22.3#
100 8.6 9.8 14.8#





#49
 Dibromochloromethane
 Concen: 2.802 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV012632.D
 Acq: 09 Sep 2019 19:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 62198
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.5#

