

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016409.D
 Acq On : 01 Jun 2020 14:06
 Operator : SY/MD
 Sample : L2780-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:16:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 01:13:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	82156	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	77103	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	32644	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31169	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	25443	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.12	63	58776	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.95	46	22142	14.27	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	28.54%#
24) Chloroform-d	4.37	84	63602	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.05	65	34362	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.07	84	121767	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
36) 1,2-Dichloropropane-d6	6.09	67	38532	5.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.00%
41) Toluene-d8	7.33	98	107250	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
45) trans-1,3-Dichloropropene-	7.64	79	12272	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
48) 2-Hexanone-d5	8.11	63	70060	61.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.42%
59) 1,1,2,2-Tetrachloroethane-	10.23	84	26268	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
65) 1,2-Dichlorobenzene-d4	11.64	152	34744	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1235	0.151 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	610	0.110 ug/L #	23
12) 1,1-Dichloroethene	2.13	96	24790	4.688 ug/L	85
17) Methyl tert-butyl Ether	2.79	73	893	0.072 ug/L #	79
19) 1,1-Dichloroethane	3.20	63	1664	0.150 ug/L #	88
25) Chloroform	4.40	83	1747	0.157 ug/L	99
27) 1,2-Dichloroethane	5.16	62	347	0.047 ug/L #	76
29) 1,1,1-Trichloroethane	4.63	97	5005	0.551 ug/L	97
34) Trichloroethene	5.93	95	1305	0.218 ug/L	94
35) Methylcyclohexane	6.09	83	9358	0.971 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4702	0.815 ug/L #	87
39) cis-1,3-Dichloropropene	7.00	75	1016	0.133 ug/L #	72
46) trans-1,3-Dichloropropene	7.64	75	716	0.114 ug/L #	69
49) Tetrachloroethene	7.99	164	2278	0.519 ug/L	90
50) 2-Hexanone	8.11	43	8220	3.381 ug/L #	65
51) Dibromochloromethane	7.99	129	1957	0.507 ug/L #	9
70) Naphthalene	13.52	128	3329	0.224 ug/L #	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 01:13:11 2020
Response via : Initial Calibration

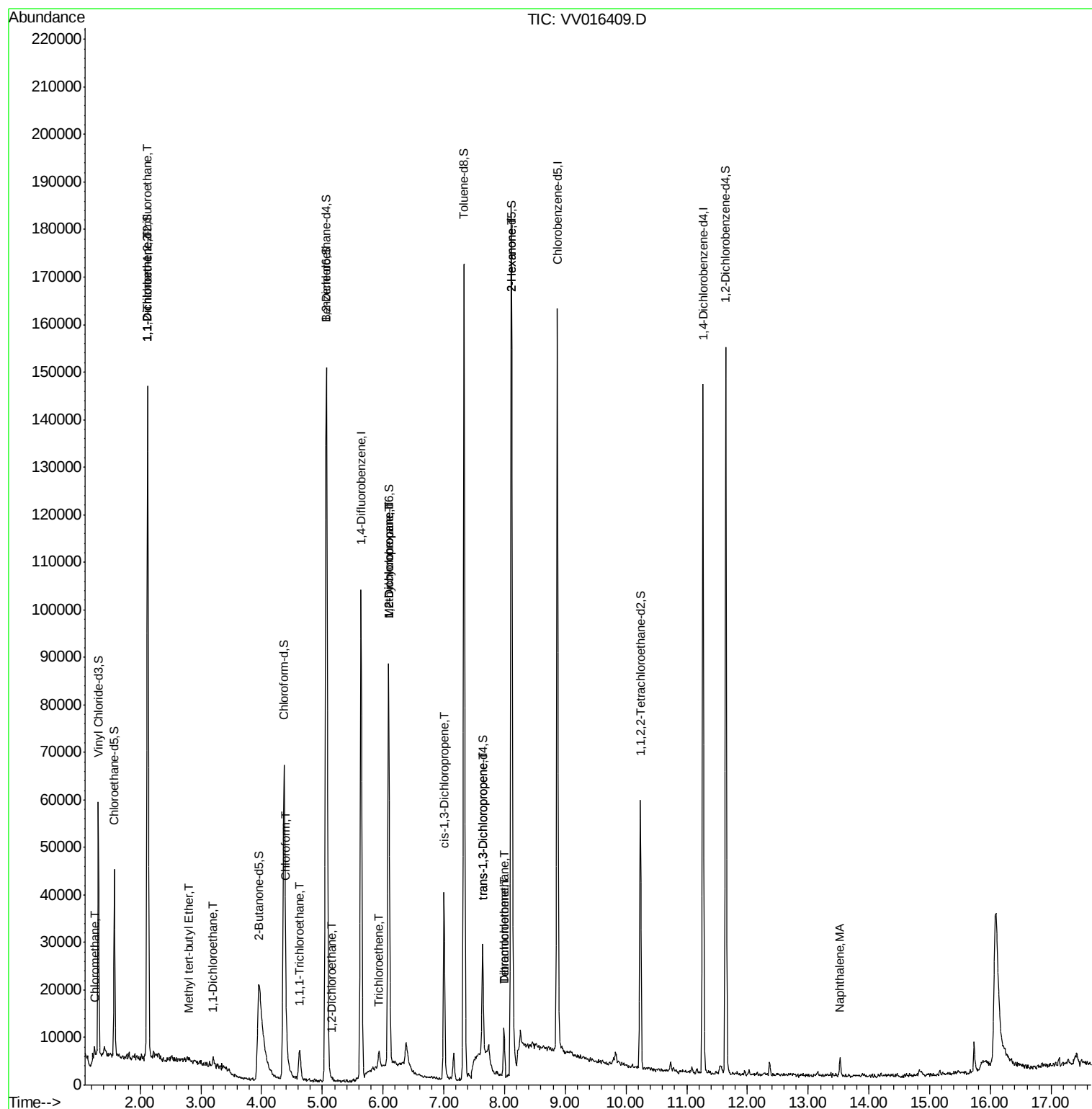
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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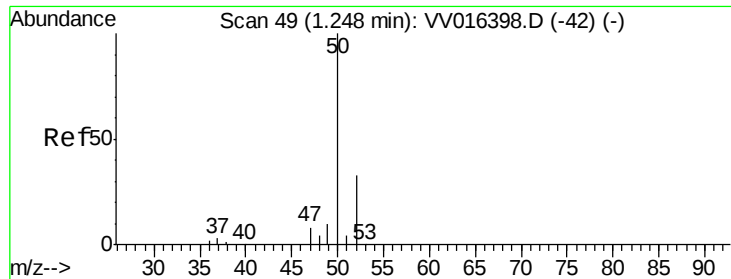
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.151 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016409.D

Acq: 01 Jun 2020 14:06

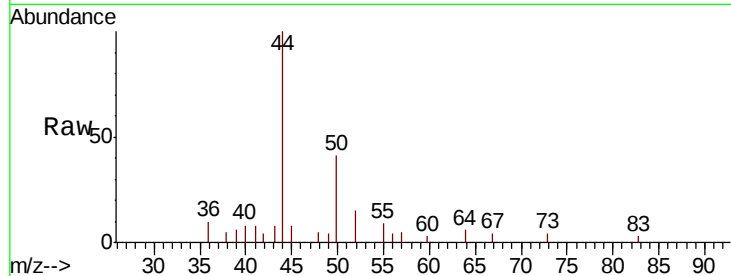
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 1235

Ion Ratio Lower Upper

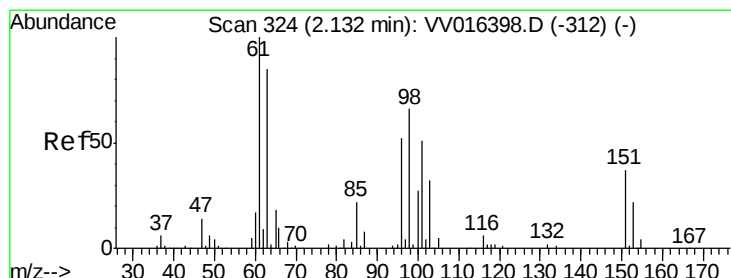
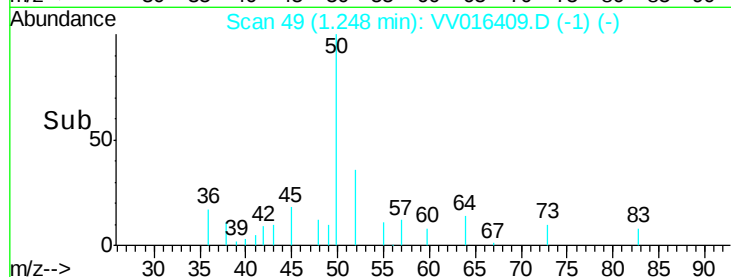
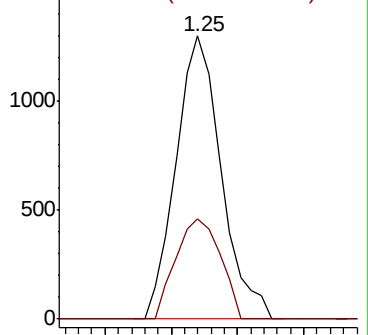
50 100

52 35.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV016398.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV016398.D (-42) (-)



#10

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

Concen: 0.110 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV016409.D

Acq: 01 Jun 2020 14:06

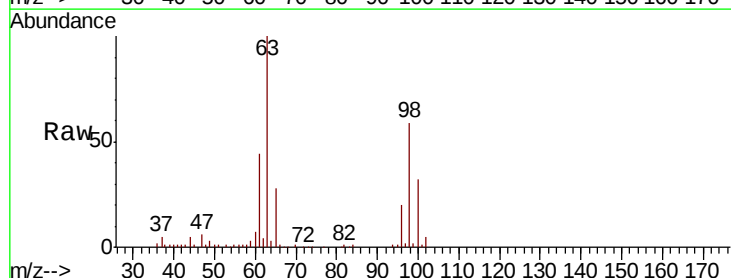
Tgt Ion:101 Resp: 610

Ion Ratio Lower Upper

101 100

85 3.4 35.7 53.5#

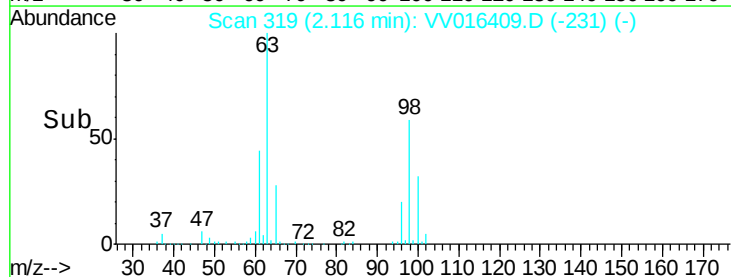
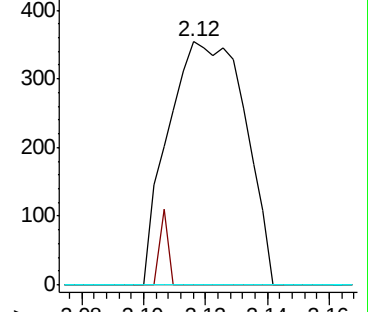
151 0.0 57.2 85.8#

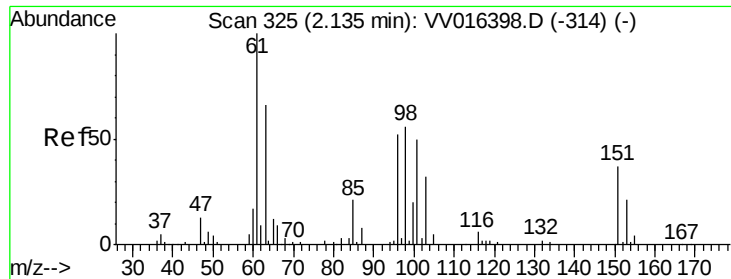


Abundance Ion 101.00 (100.70 to 101.70): VV016398.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016398.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016398.D (-312) (-)



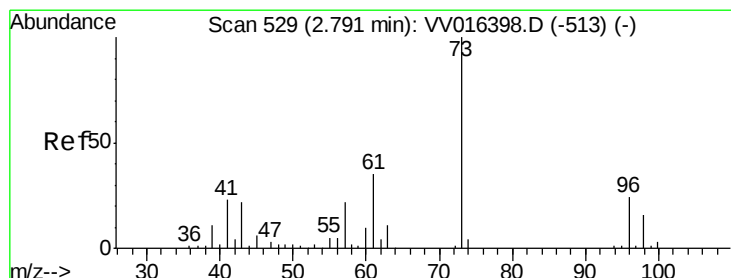
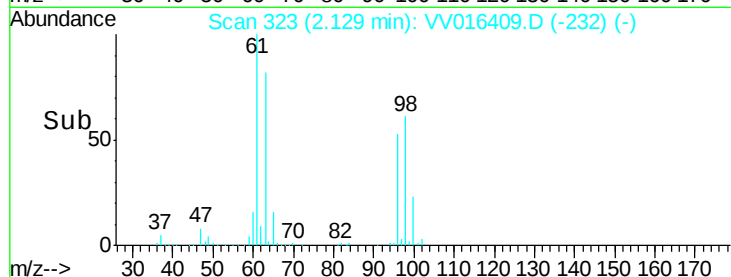
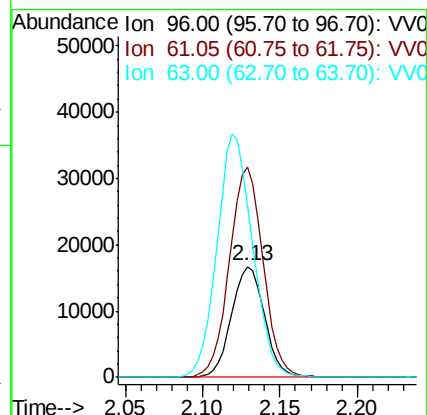
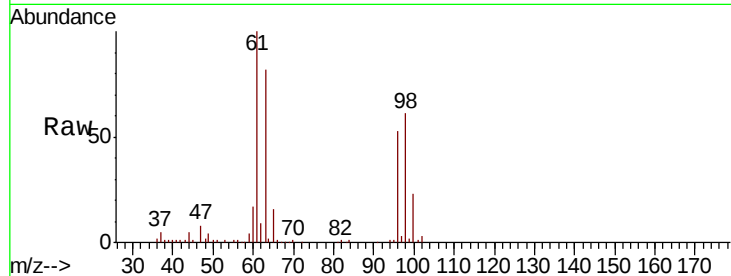


#12
 1,1-Dichloroethene
 Concen: 4.688 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 24790

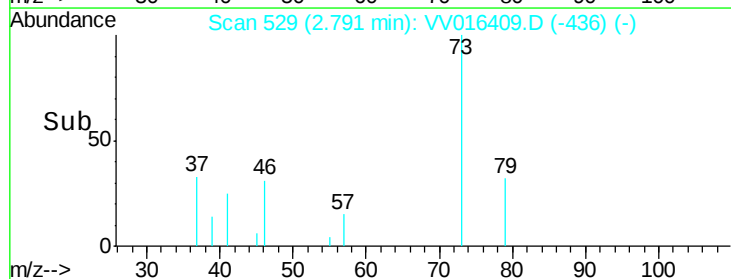
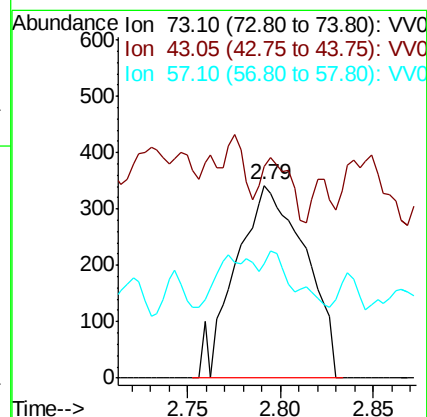
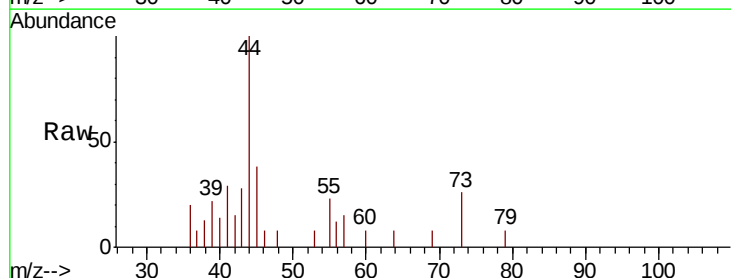
Ion	Ratio	Lower	Upper
96	100		
61	189.4	125.4	233.0
63	154.8	88.2	163.8

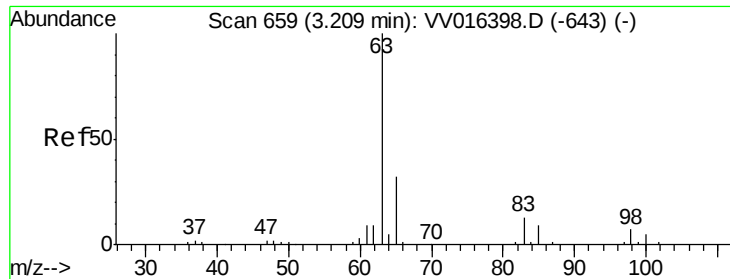


#17
 Methyl tert-butyl Ether
 Concen: 0.072 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

Tgt Ion: 73 Resp: 893

Ion	Ratio	Lower	Upper
73	100		
43	13.7	19.4	29.0#
57	13.2	18.4	27.6#

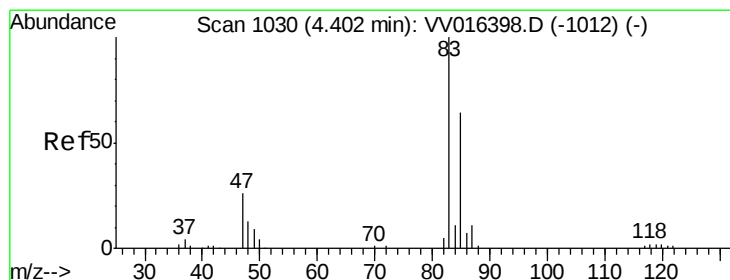
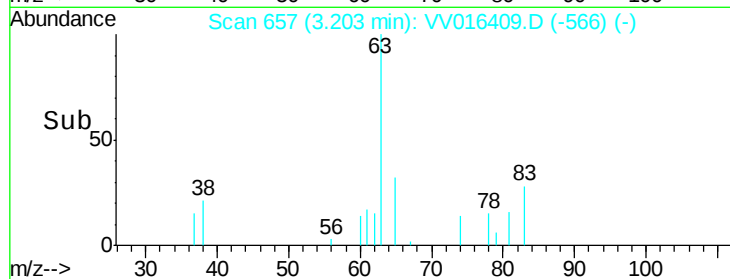
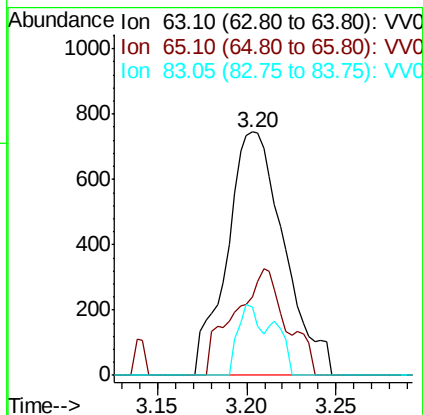
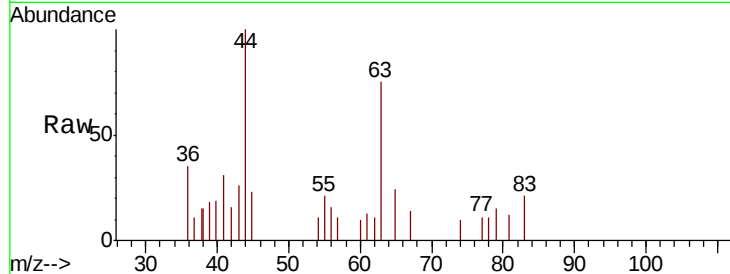




#19
 1,1-Dichloroethane
 Concen: 0.150 ug/L
 RT: 3.20 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

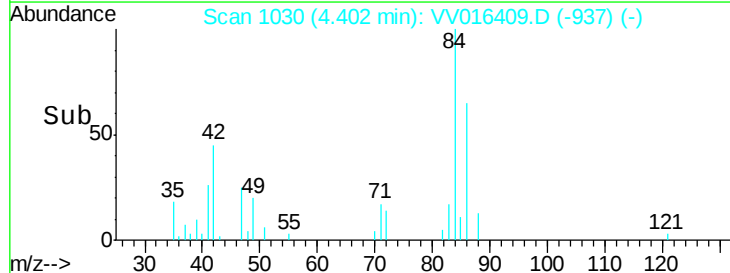
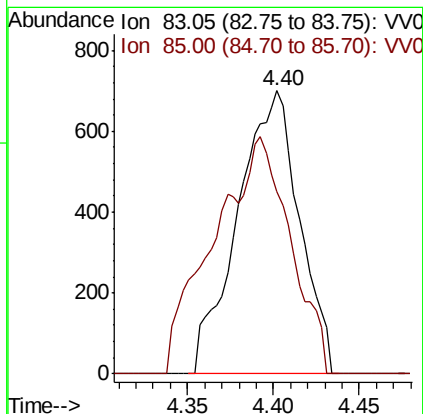
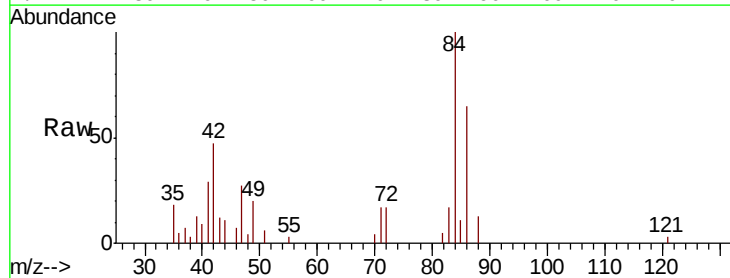
Instrument :
 MSVOA_V
 ClientSampleId :

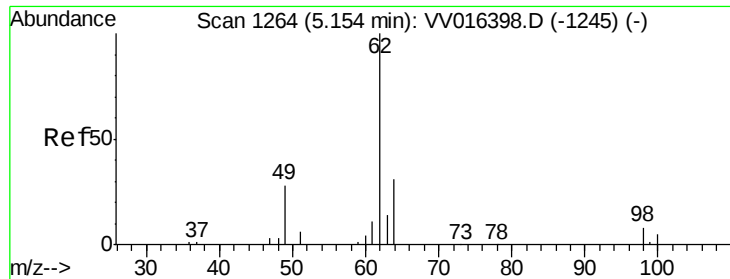
Tot Ion: 63 Resp: 1664
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.3 43.3
 83 27.9 9.9 18.3#



#25
 Chloroform
 Concen: 0.157 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

Tgt Ion: 83 Resp: 1747
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.047 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016409.D

Acq: 01 Jun 2020 14:06

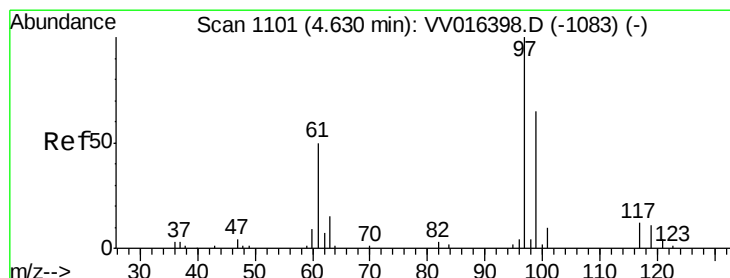
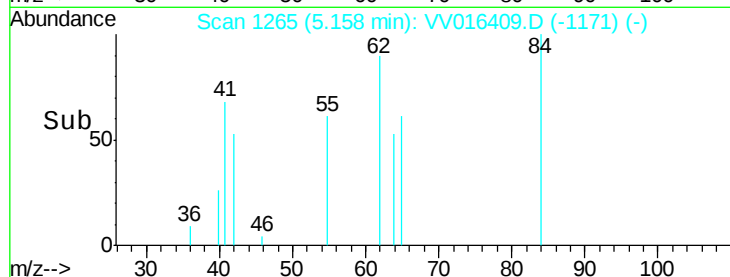
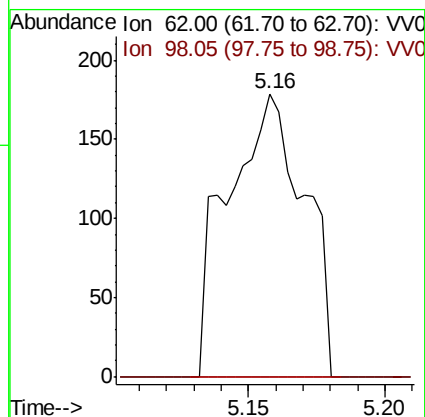
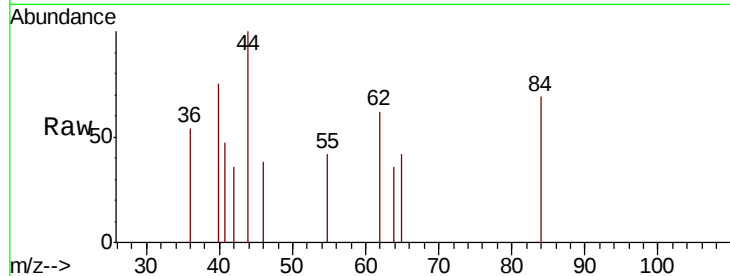
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 347

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



#29

1,1,1-Trichloroethane

Concen: 0.551 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV016409.D

Acq: 01 Jun 2020 14:06

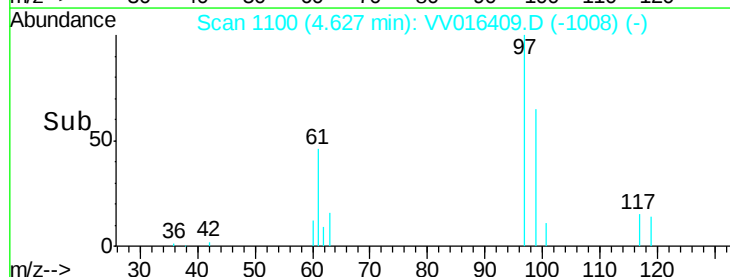
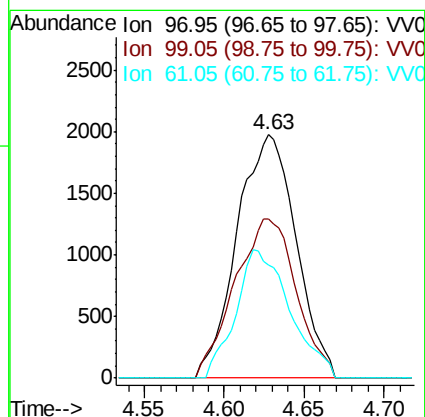
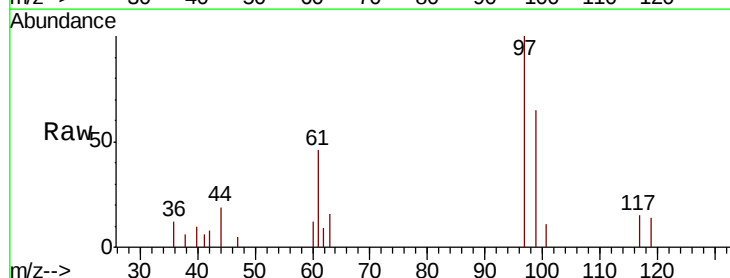
Tgt Ion: 97 Resp: 5005

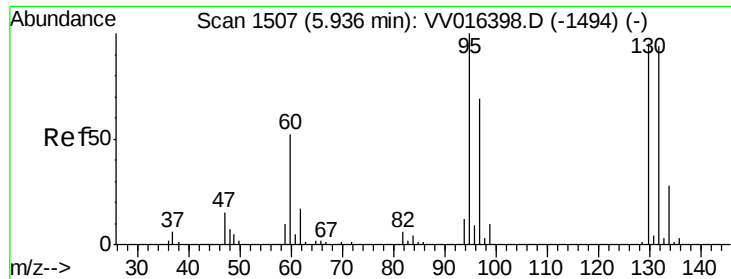
Ion Ratio Lower Upper

97 100

99 68.3 52.0 78.0

61 48.4 39.8 59.6

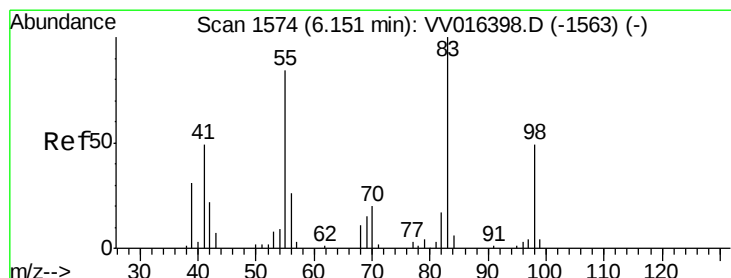
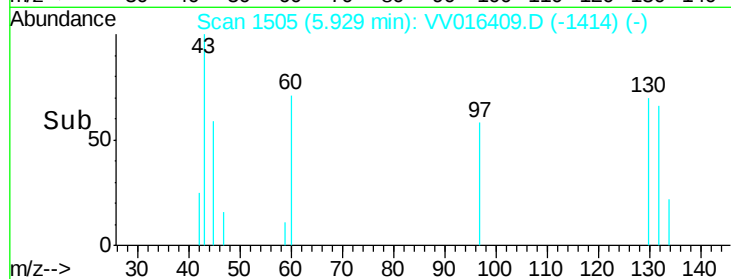
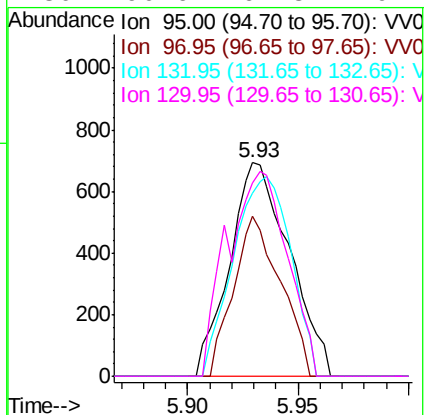
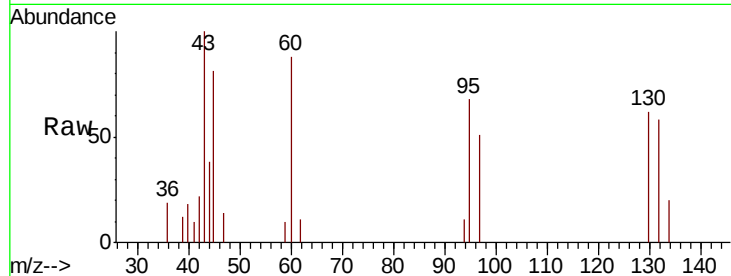




#34
 Trichloroethene
 Concen: 0.218 ug/L
 RT: 5.93 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

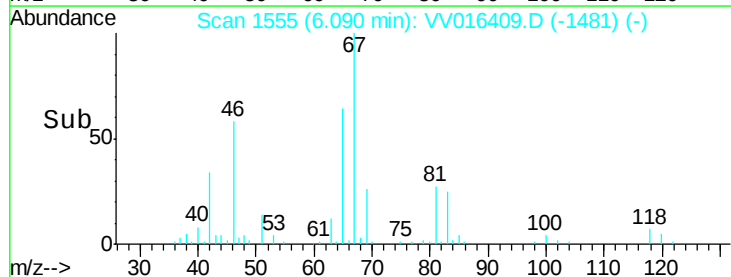
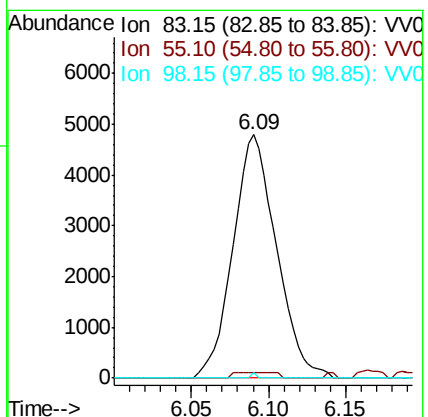
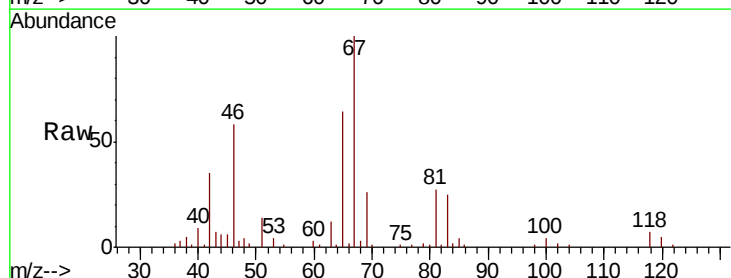
Instrument :
 MSVOA_V
 ClientSampled :

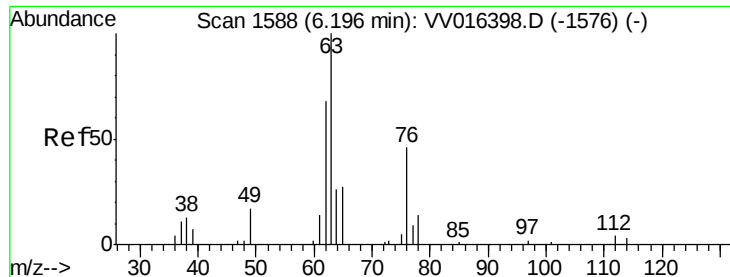
Tot Ion: 95 Resp: 1305
 Ion Ratio Lower Upper
 95 100
 97 74.9 42.6 79.0
 132 85.4 59.6 110.8
 130 90.6 64.8 120.4



#35
 Methylcyclohexane
 Concen: 0.971 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.06 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

Tgt Ion: 83 Resp: 9358
 Ion Ratio Lower Upper
 83 100
 55 1.1 67.0 100.4#
 98 0.2 39.0 58.4#

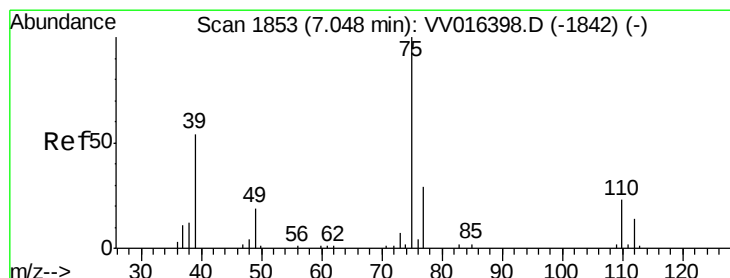
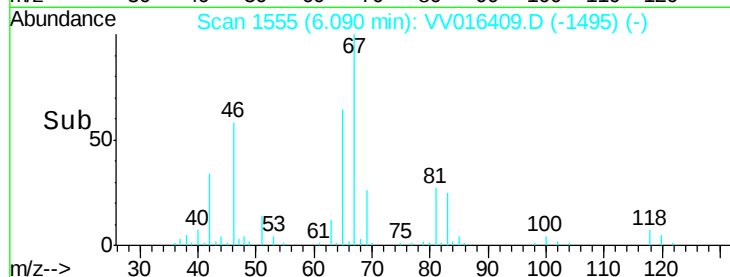
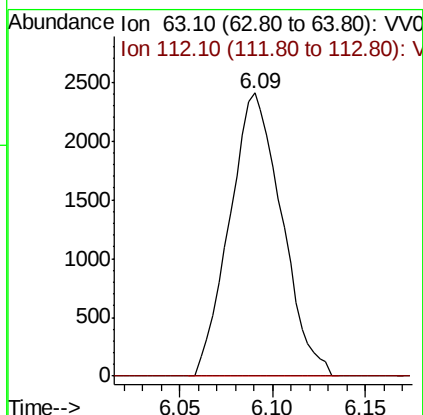
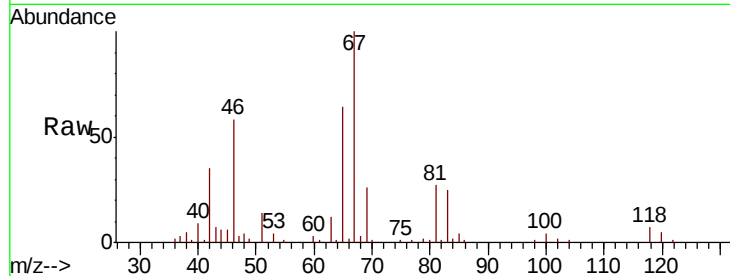




#37
 1,2-Dichloropropane
 Concen: 0.815 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

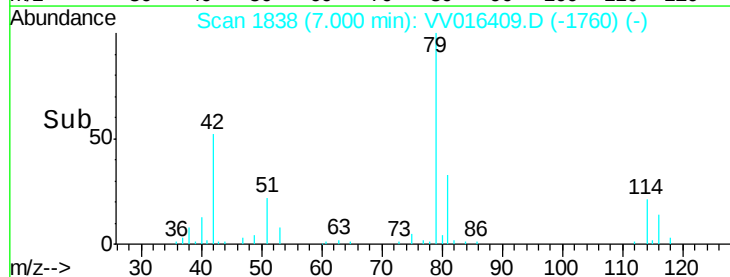
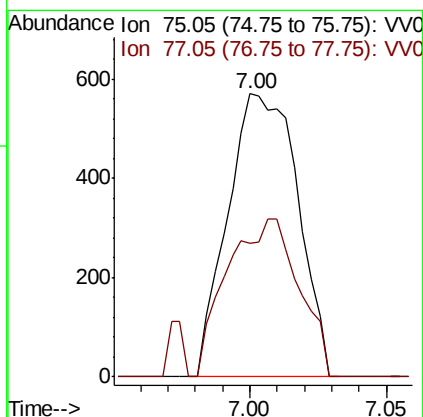
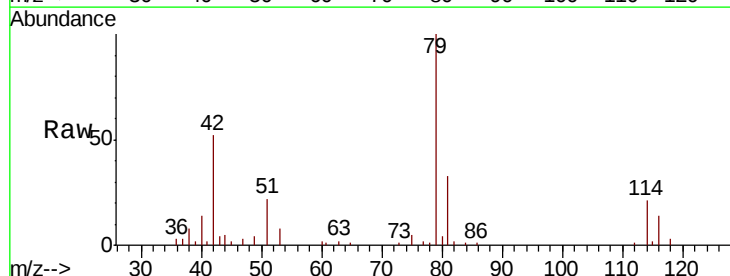
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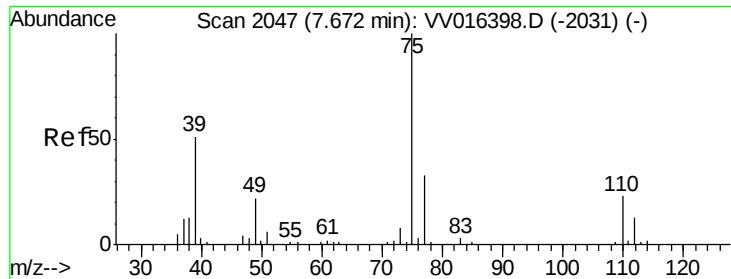
Tot Ion: 63 Resp: 4702
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.133 ug/L
 RT: 7.00 min Scan# 1838
 Delta R.T. -0.05 min
 Lab File: VV016409.D
 Acq: 01 Jun 2020 14:06

Tgt Ion: 75 Resp: 1016
 Ion Ratio Lower Upper
 75 100
 77 47.0 22.0 41.0#

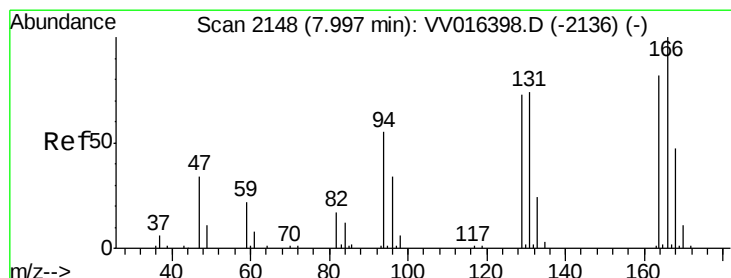
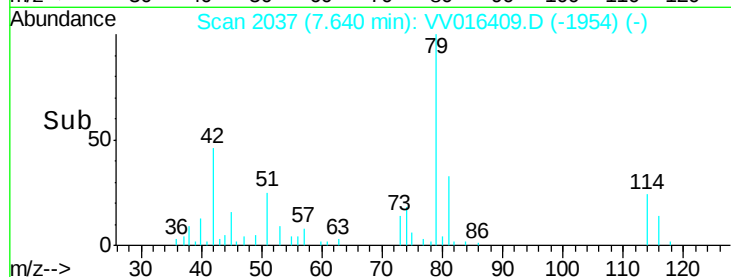
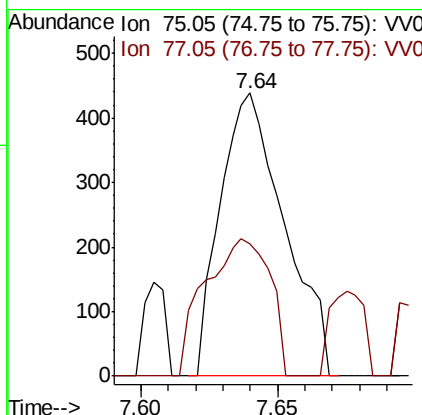
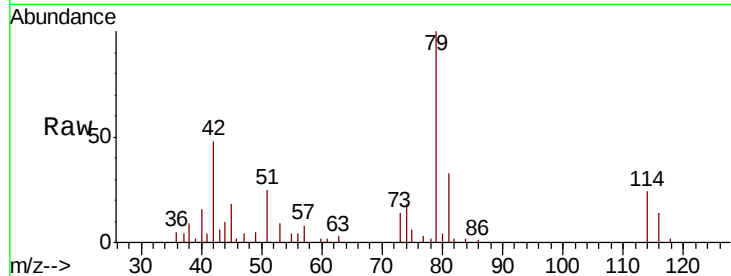




#46
trans-1,3-Dichloropropene
Concen: 0.114 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV016409.D
Acq: 01 Jun 2020 14:06

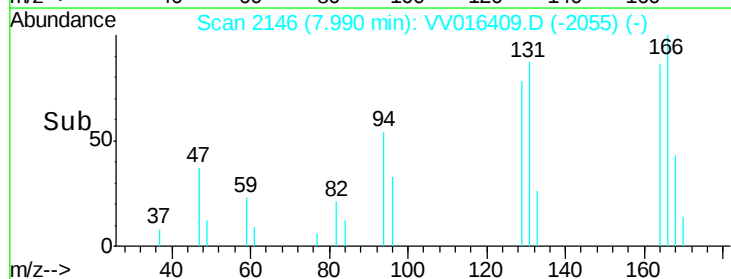
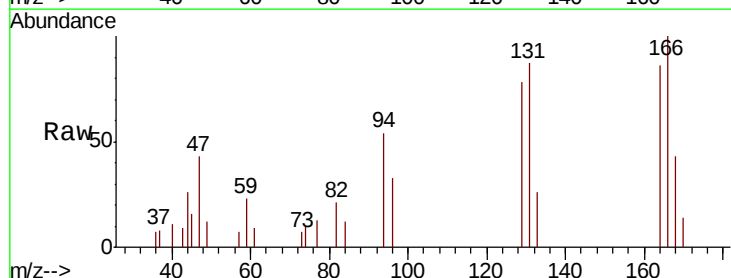
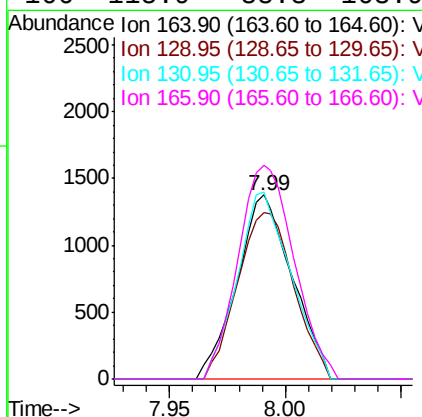
Instrument :
MSVOA_V
ClientSampleId :

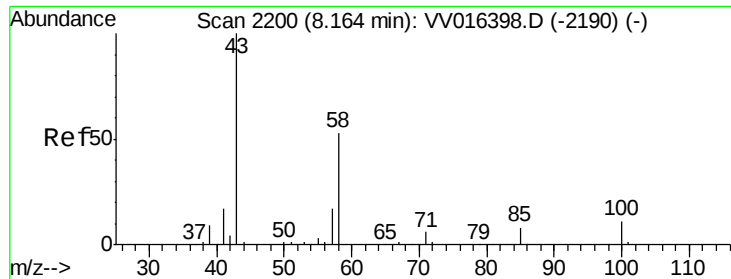
Tot Ion: 75 Resp: 716
Ion Ratio Lower Upper
75 100
77 47.0 21.1 39.3#



#49
Tetrachloroethene
Concen: 0.519 ug/L
RT: 7.99 min Scan# 2146
Delta R.T. -0.01 min
Lab File: VV016409.D
Acq: 01 Jun 2020 14:06

Tgt Ion: 164 Resp: 2278
Ion Ratio Lower Upper
164 100
129 90.1 72.2 134.0
131 101.1 65.8 122.2
166 115.9 88.3 163.9

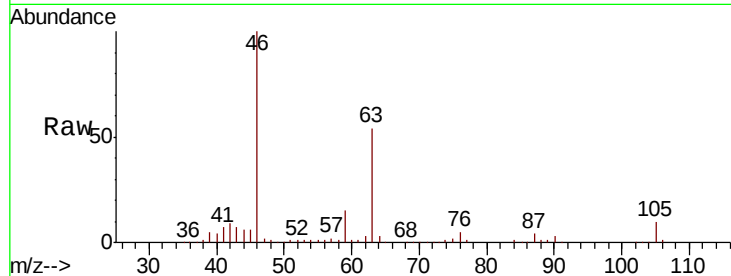




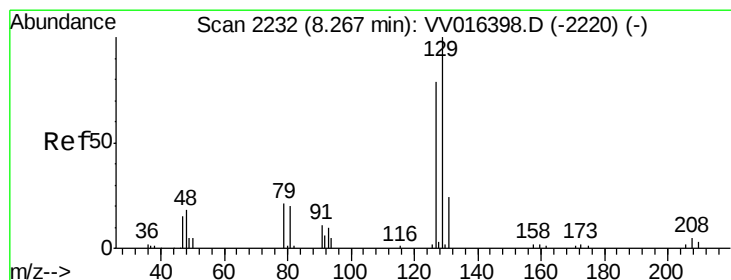
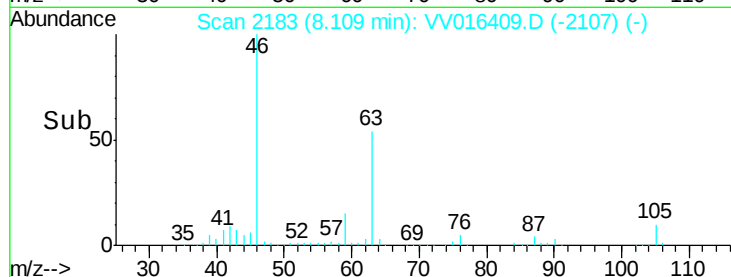
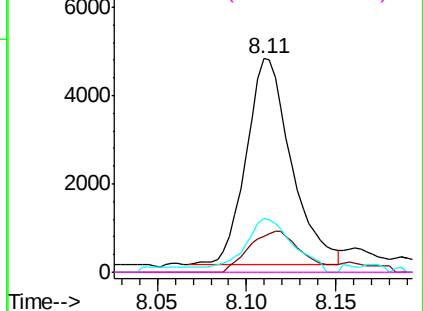
#50
2-Hexanone
Concen: 3.381 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV016409.D
Acq: 01 Jun 2020 14:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8220
Ion Ratio Lower Upper
43 100
58 23.5 41.1 61.7#
57 28.0 14.2 21.4#
100 0.0 8.8 13.2#

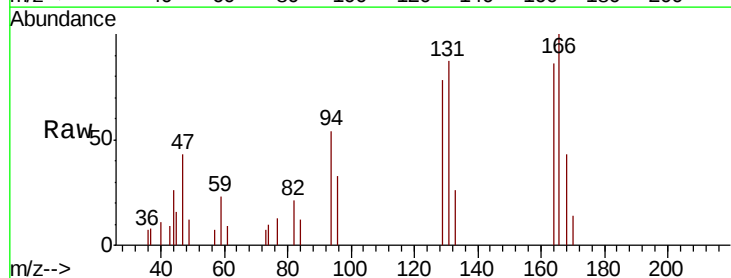


Abundance Ion 43.05 (42.75 to 43.75): VV016398.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV016398.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV016398.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV016398.D (-2190) (-)

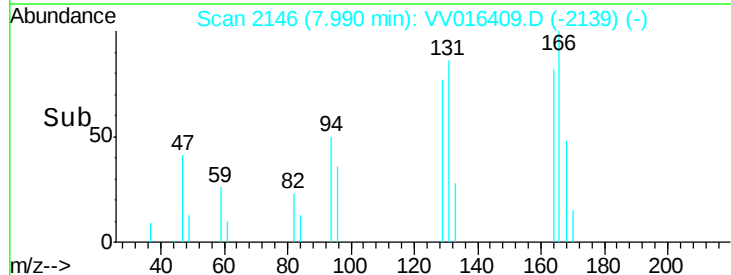
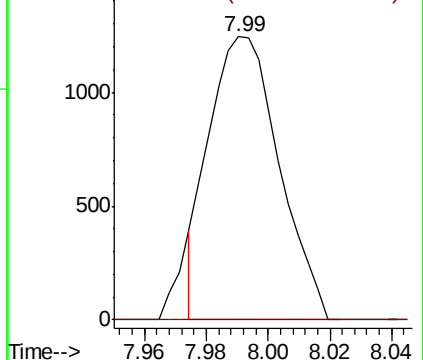


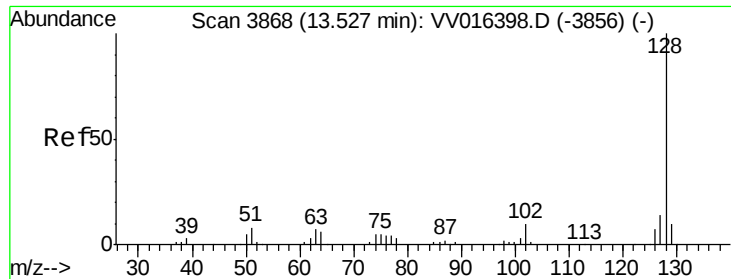
#51
Dibromochloromethane
Concen: 0.507 ug/L
RT: 7.99 min Scan# 2146
Delta R.T. -0.28 min
Lab File: VV016409.D
Acq: 01 Jun 2020 14:06

Tgt Ion: 129 Resp: 1957
Ion Ratio Lower Upper
129 100
127 0.0 57.0 105.8#



Abundance Ion 128.95 (128.65 to 129.65): VV016398.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV016398.D (-2220) (-)





#70

Naphthalene

Concen: 0.224 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

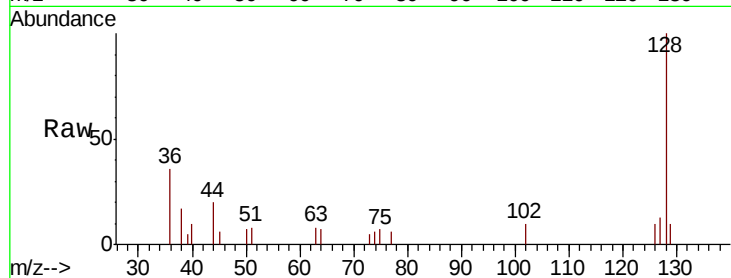
Lab File: VV016409.D

Acq: 01 Jun 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :



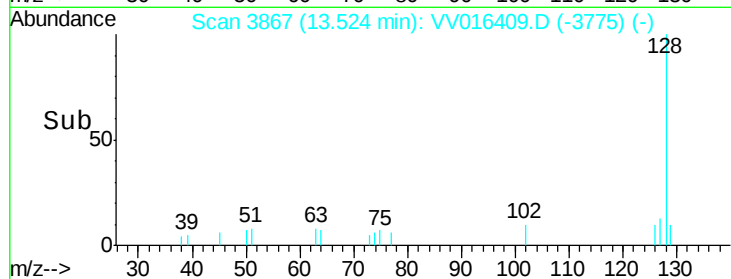
Tot Ion:128 Resp: 3329

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 10.6 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

