

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016405.D
 Acq On : 01 Jun 2020 12:30
 Operator : SY/MD
 Sample : L2780-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:15:54 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	70594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	67216	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	25348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29281	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	23221	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	53661	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.97	46	67552	50.66	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	4.37	84	51827	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	28990	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.07	84	102783	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.09	67	30278	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	86439	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
45) trans-1,3-Dichloropropene-	7.65	79	9023	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
48) 2-Hexanone-d5	8.12	63	52877	53.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21544	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	24846	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1021	0.145	ug/L 89
8) Chloroethane	1.50	64	20868	5.500	ug/L # 51
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	480	0.100	ug/L # 21
12) 1,1-Dichloroethene	2.13	96	21812	4.801	ug/L 83
16) Methylene chloride	2.52	84	862	0.177	ug/L # 88
19) 1,1-Dichloroethane	3.21	63	871	0.092	ug/L # 83
25) Chloroform	4.40	83	2425	0.254	ug/L 94
29) 1,1,1-Trichloroethane	4.64	97	1231	0.155	ug/L 94
34) Trichloroethene	5.94	95	1088	0.209	ug/L 95
35) Methylcyclohexane	6.09	83	7464	0.888	ug/L # 15
37) 1,2-Dichloropropane	6.10	63	3751	0.745	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	682	0.103	ug/L # 57
46) trans-1,3-Dichloropropene	7.64	75	522	0.095	ug/L 85
49) Tetrachloroethene	7.99	164	1182	0.309	ug/L 84
50) 2-Hexanone	8.12	43	7498	3.537	ug/L # 77
51) Dibromochloromethane	8.00	129	1215	0.361	ug/L # 9
70) Naphthalene	13.53	128	1908	0.165	ug/L # 82

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

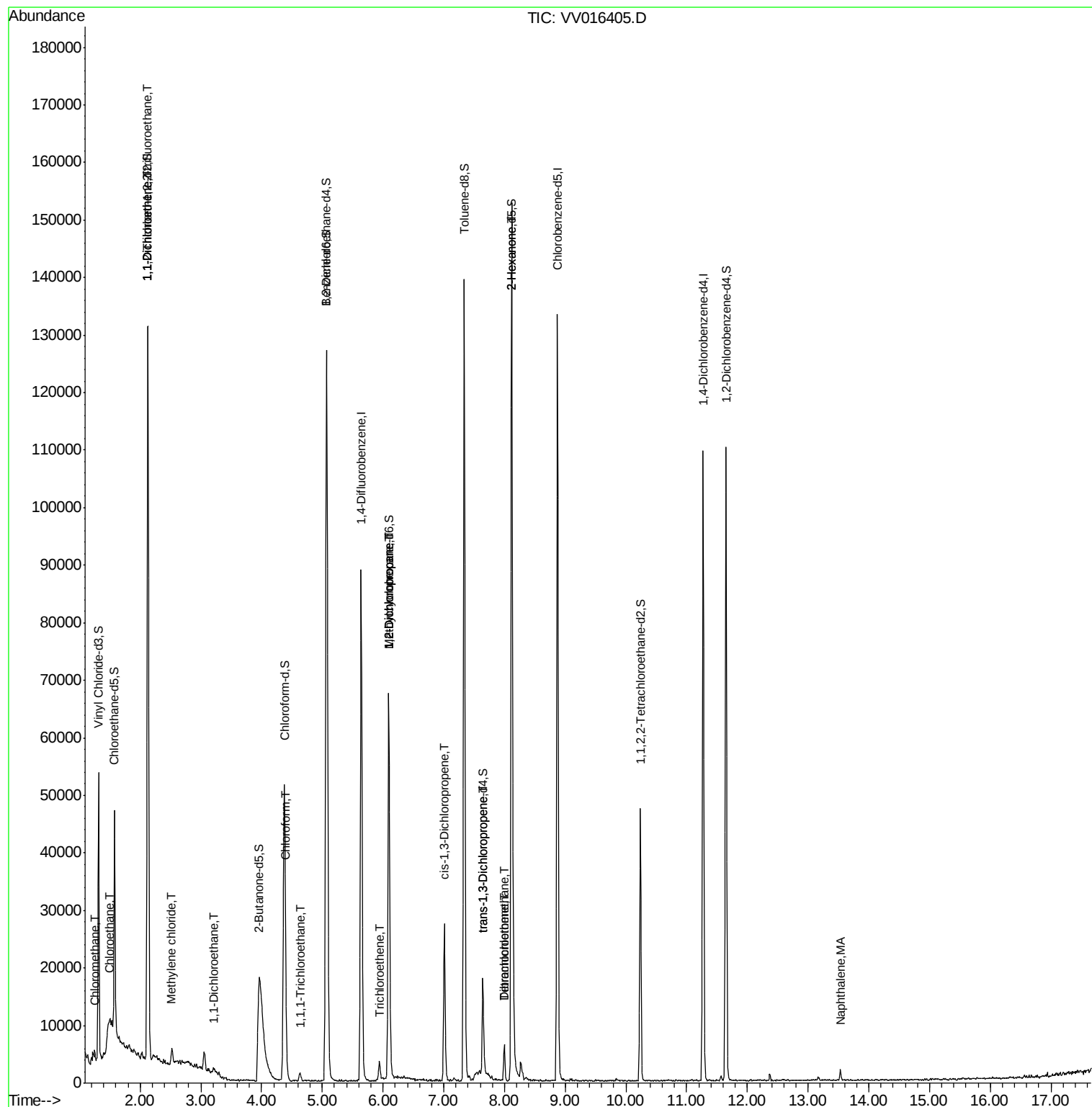
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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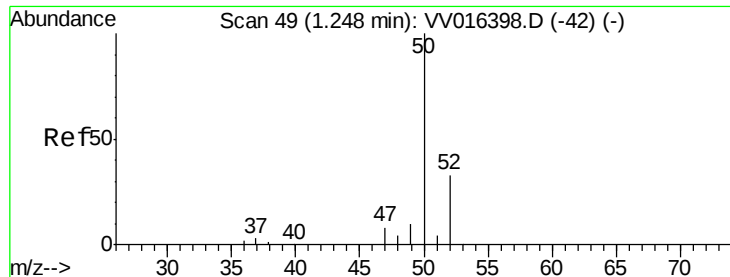
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.145 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016405.D

Acq: 01 Jun 2020 12:30

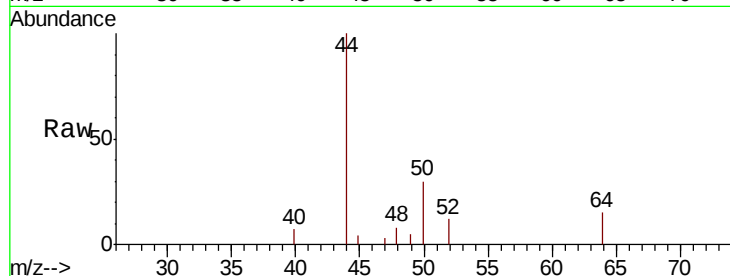
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1021

Ion Ratio Lower Upper

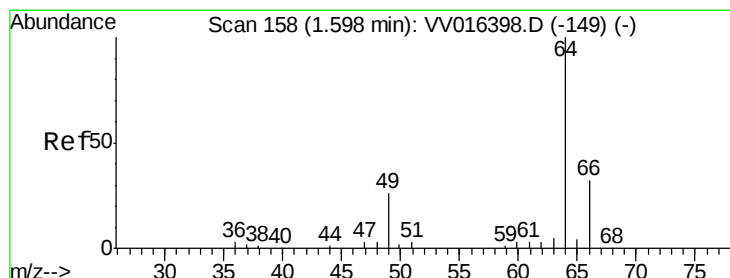
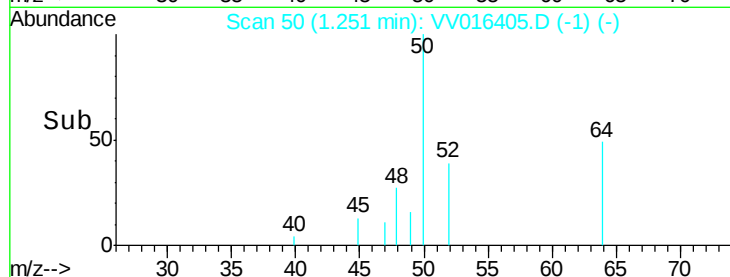
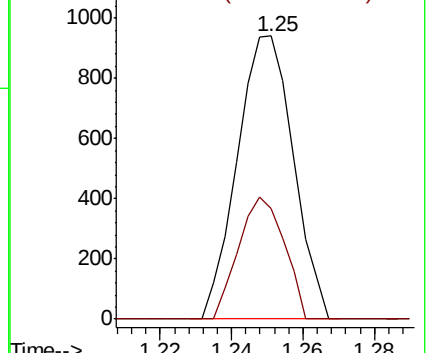
50 100

52 39.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 5.500 ug/L

RT: 1.50 min Scan# 128

Delta R.T. -0.10 min

Lab File: VV016405.D

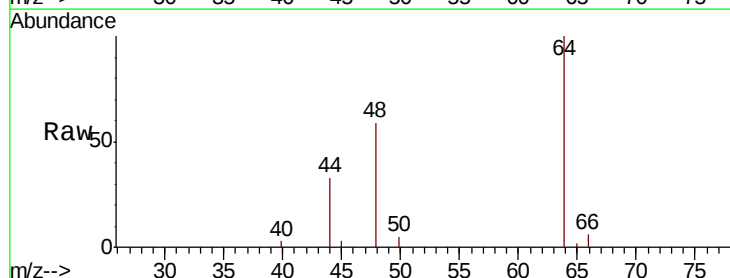
Acq: 01 Jun 2020 12:30

Tgt Ion: 64 Resp: 20868

Ion Ratio Lower Upper

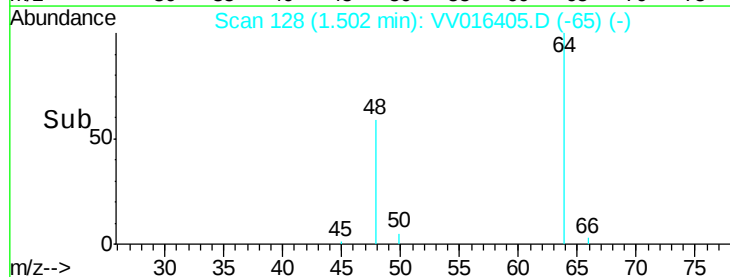
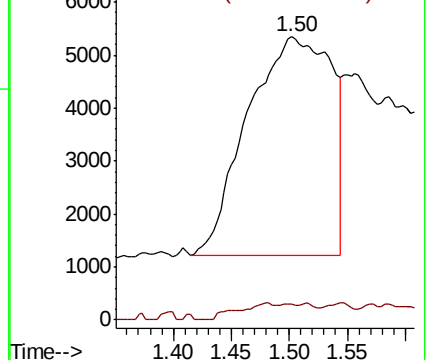
64 100

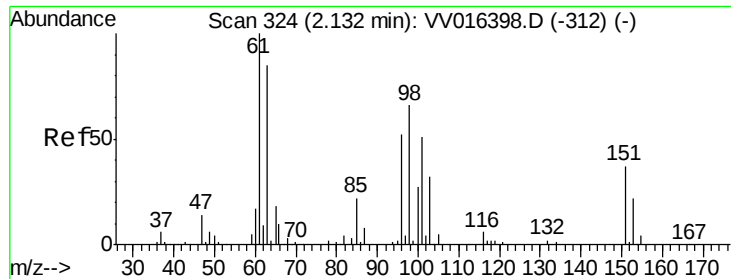
66 5.7 23.4 43.6#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.100 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016405.D

Acq: 01 Jun 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

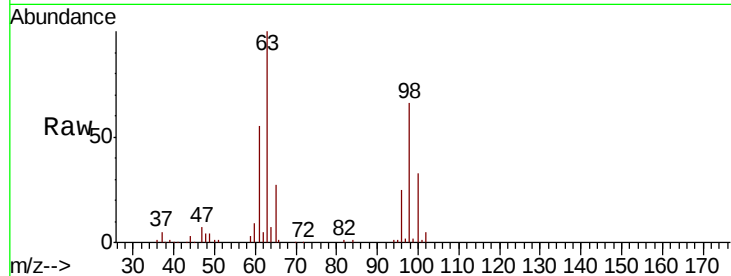
Tot Ion:101 Resp: 480

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

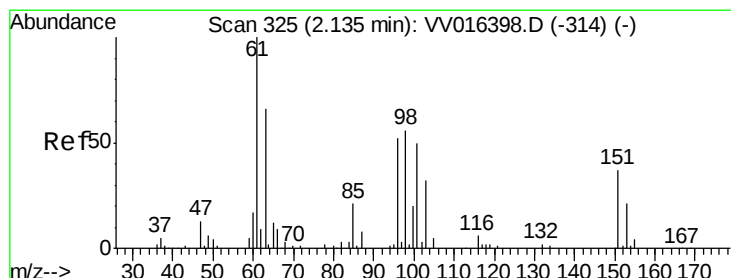
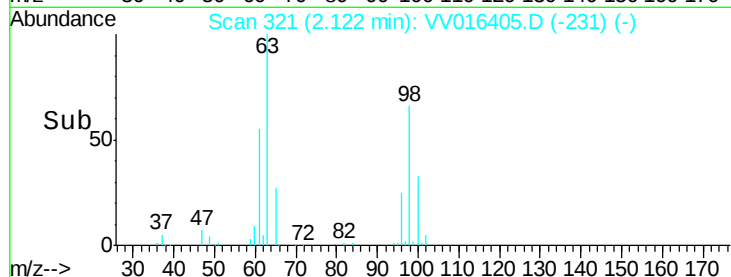
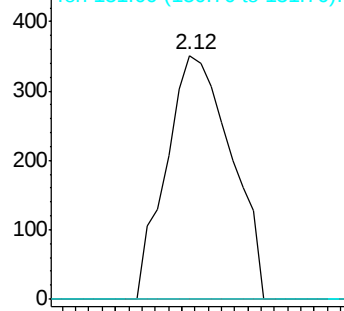
151 0.0 57.2 85.8#



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: 4.801 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016405.D

Acq: 01 Jun 2020 12:30

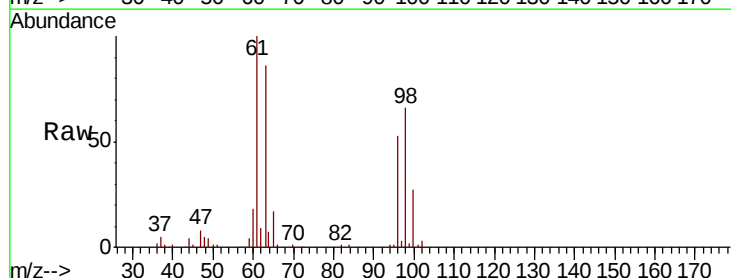
Tgt Ion: 96 Resp: 21812

Ion Ratio Lower Upper

96 100

61 188.6 125.4 233.0

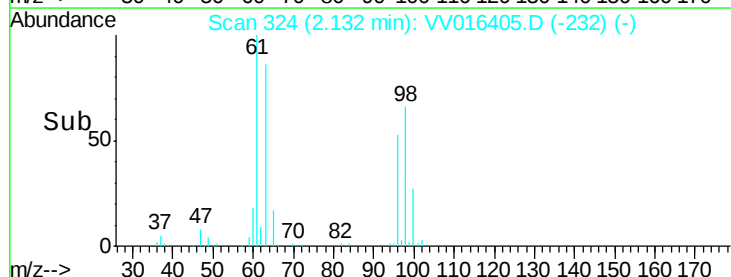
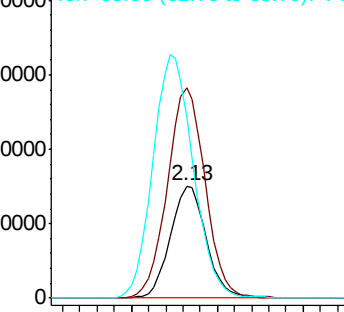
63 161.8 88.2 163.8

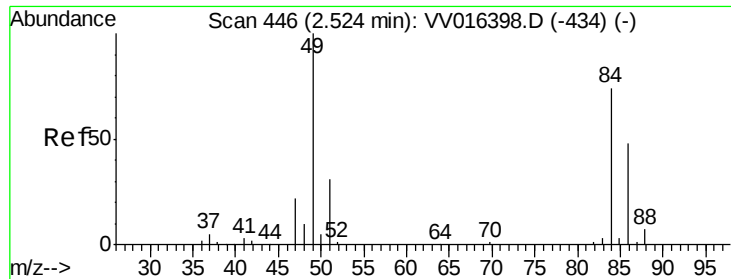


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

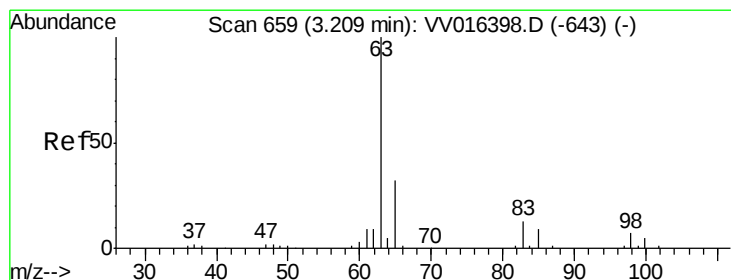
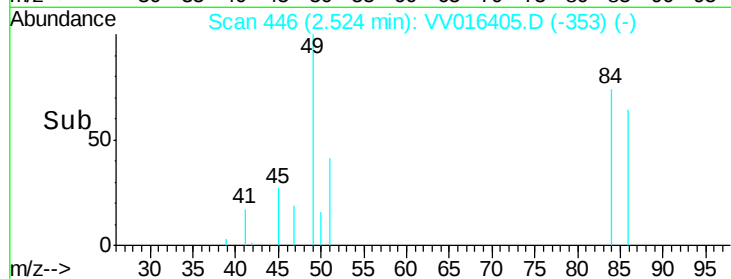
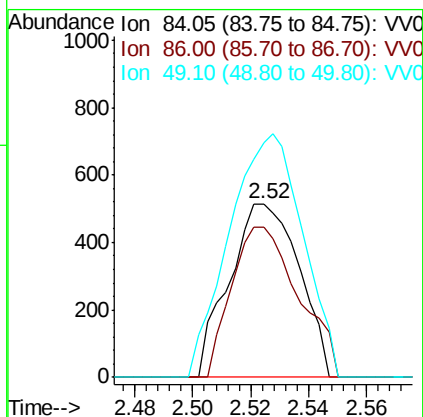
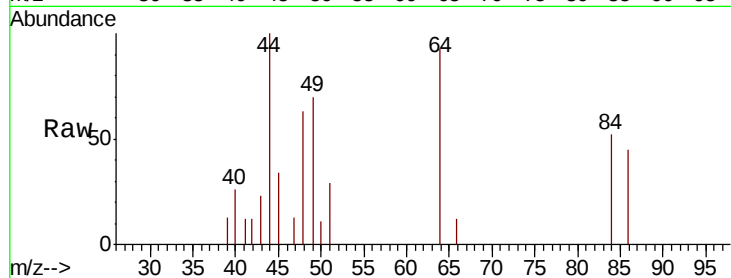




#16
Methylene chloride
Concen: 0.177 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

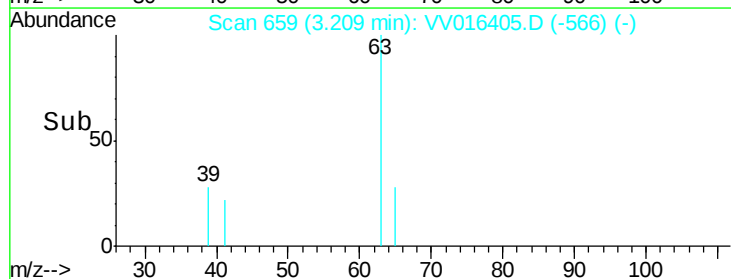
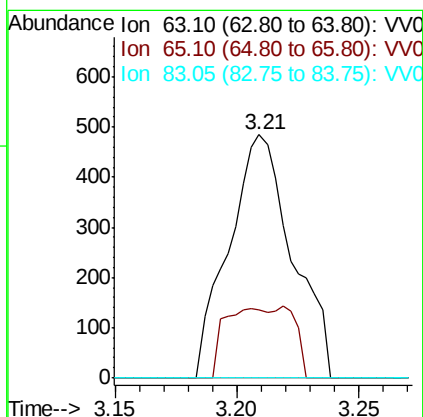
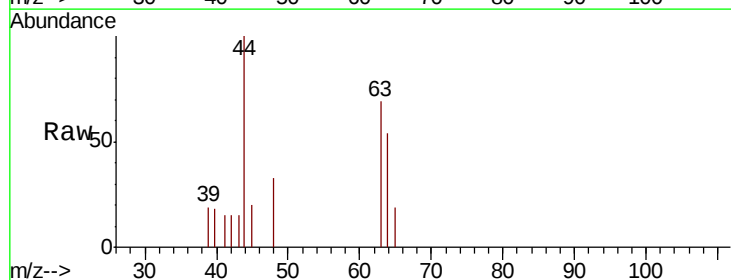
Instrument :
MSVOA_V
ClientSampled :

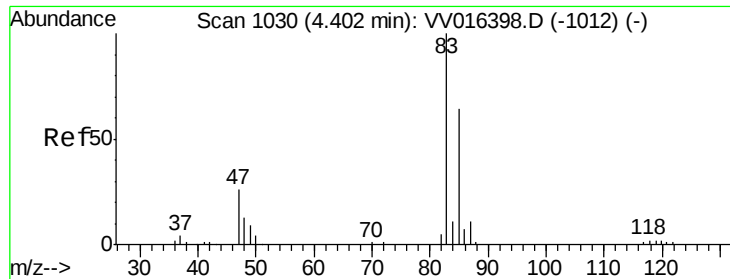
Tot Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
86 86.4 44.5 82.7#
49 135.3 92.3 171.3



#19
1,1-Dichloroethane
Concen: 0.092 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

Tgt Ion: 63 Resp: 871
Ion Ratio Lower Upper
63 100
65 27.8 23.3 43.3
83 0.0 9.9 18.3#

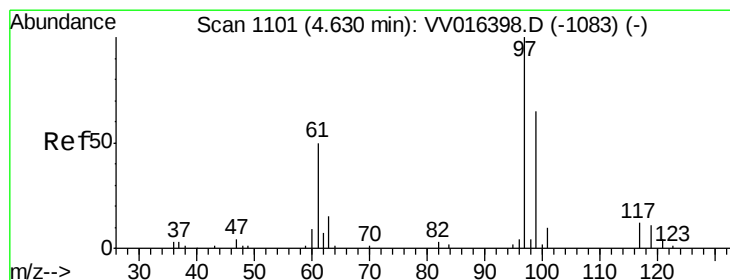
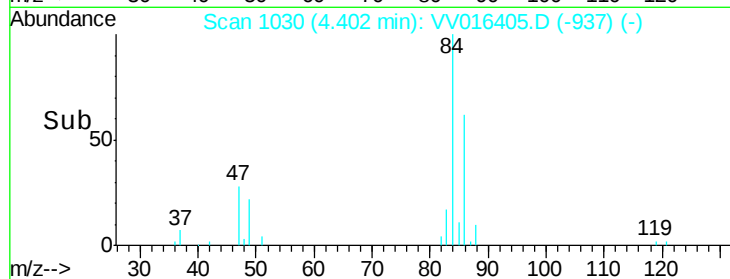
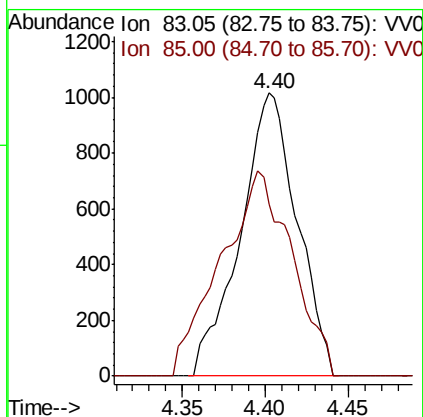
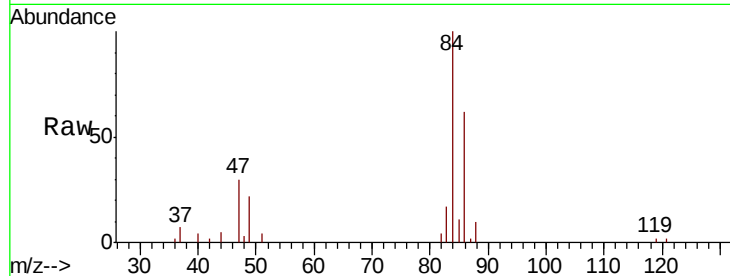




#25
Chloroform
Concen: 0.254 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

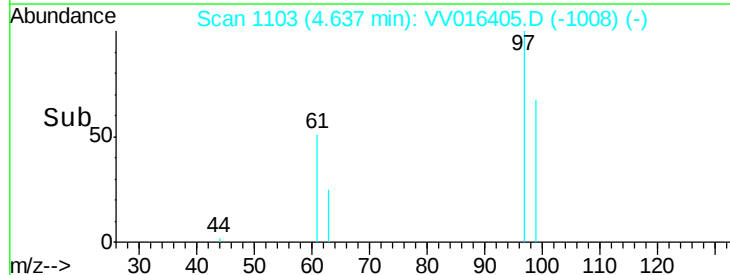
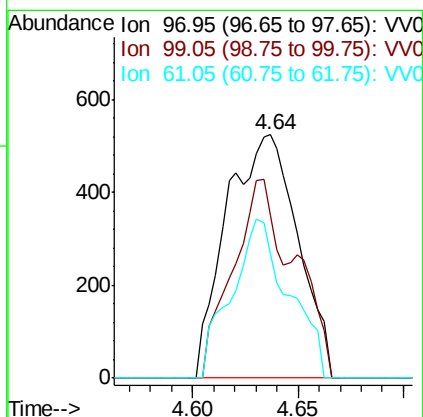
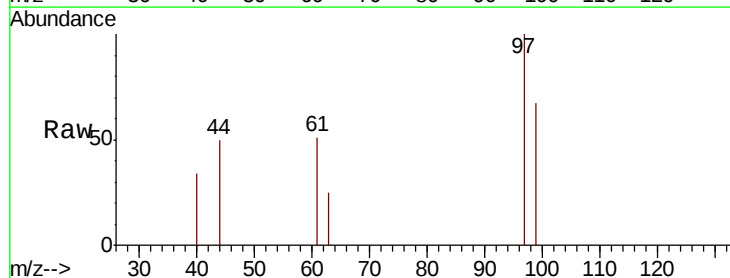
Instrument :
MSVOA_V
ClientSampleId :

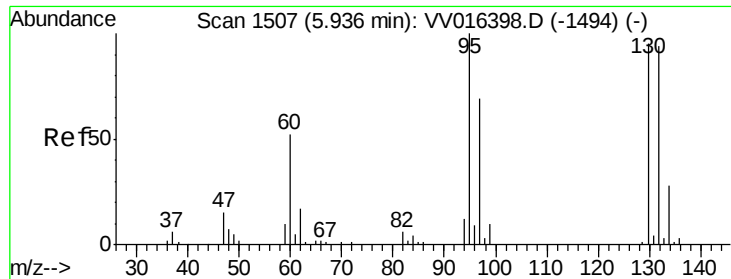
Tot Ion: 83 Resp: 2425
Ion Ratio Lower Upper
83 100
85 60.8 45.8 85.2



#29
1,1,1-Trichloroethane
Concen: 0.155 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

Tgt Ion: 97 Resp: 1231
Ion Ratio Lower Upper
97 100
99 70.4 52.0 78.0
61 52.3 39.8 59.6

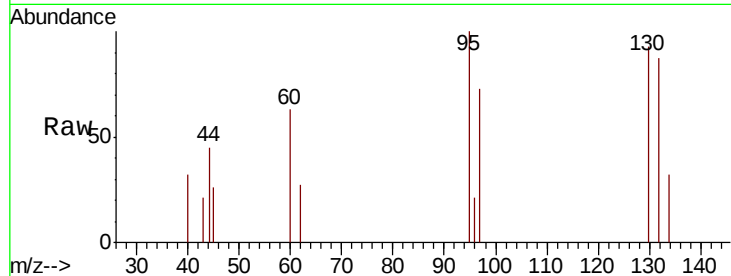




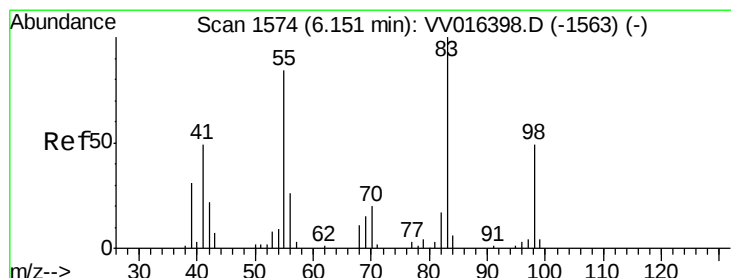
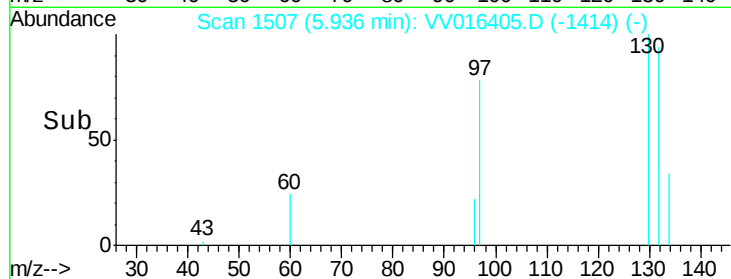
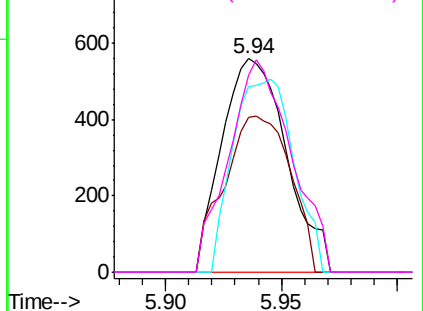
#34
 Trichloroethene
 Concen: 0.209 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016405.D
 Acq: 01 Jun 2020 12:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 1088
 Ion Ratio Lower Upper
 95 100
 97 72.5 42.6 79.0
 132 86.6 59.6 110.8
 130 92.5 64.8 120.4

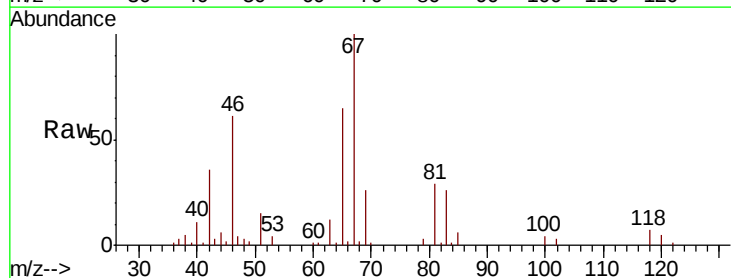


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

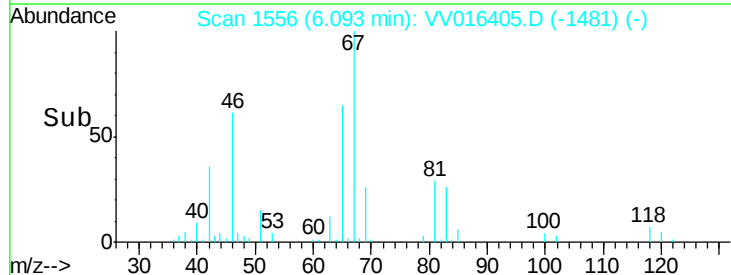
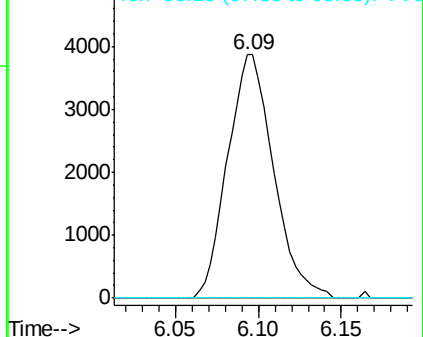


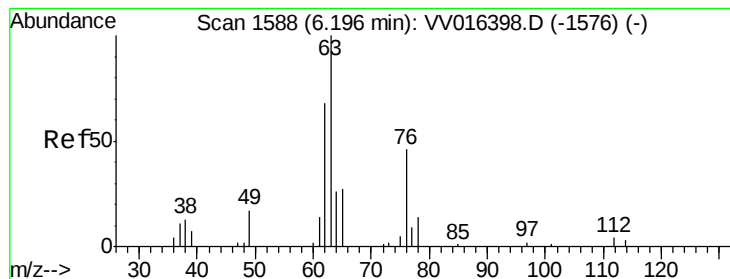
#35
 Methylcyclohexane
 Concen: 0.888 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV016405.D
 Acq: 01 Jun 2020 12:30

Tgt Ion: 83 Resp: 7464
 Ion Ratio Lower Upper
 83 100
 55 0.0 67.0 100.4#
 98 0.3 39.0 58.4#



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: 0.745 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016405.D

Acq: 01 Jun 2020 12:30

Instrument :

MSVOA_V

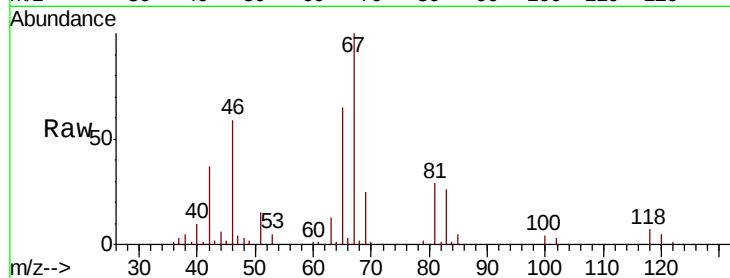
ClientSampled :

Tot Ion: 63 Resp: 3751

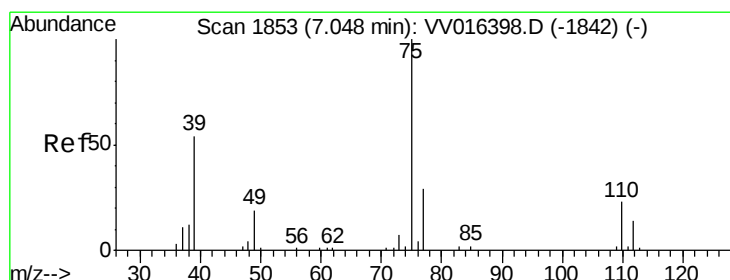
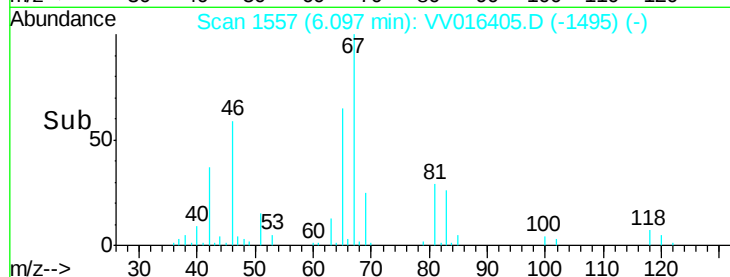
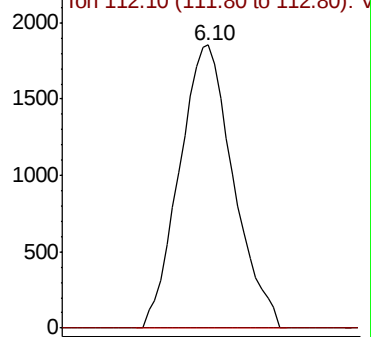
Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016398.D (-1576) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016405.D

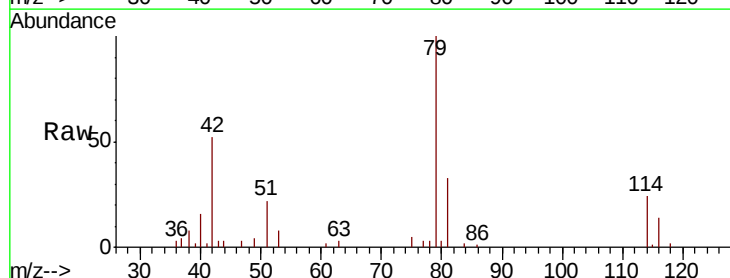
Acq: 01 Jun 2020 12:30

Tgt Ion: 75 Resp: 682

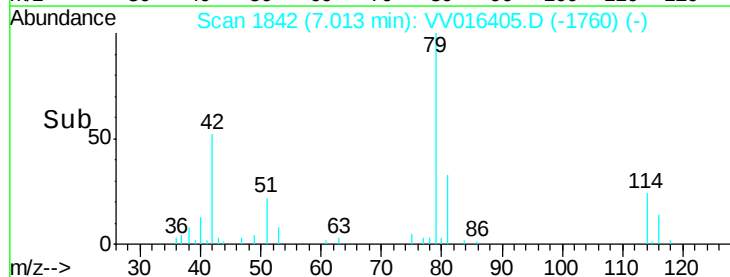
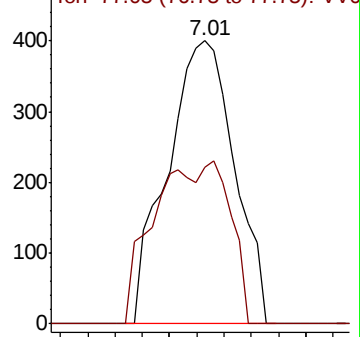
Ion Ratio Lower Upper

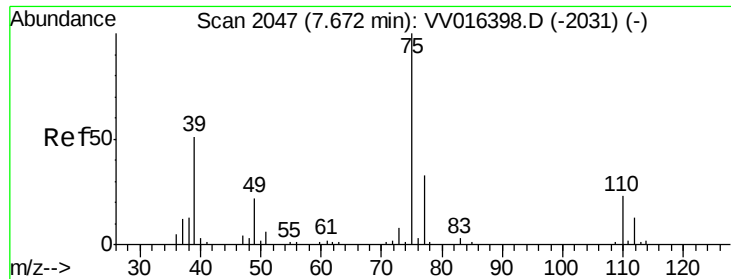
75 100

77 55.5 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV016398.D (-1842) (-)

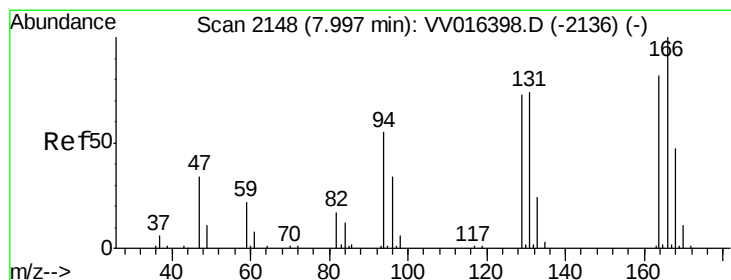
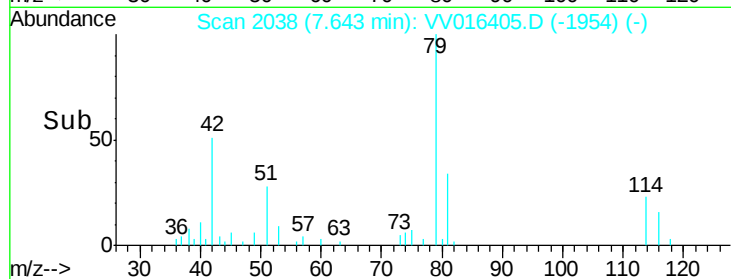
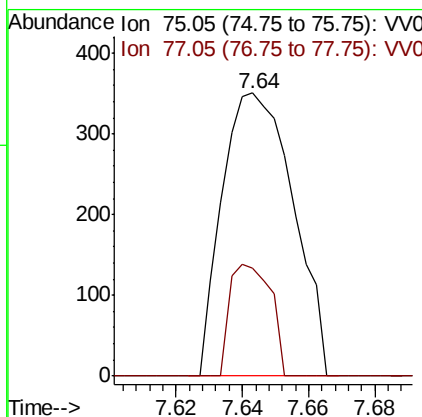
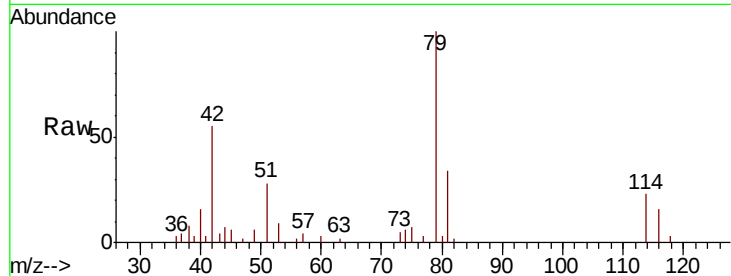




#46
trans-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

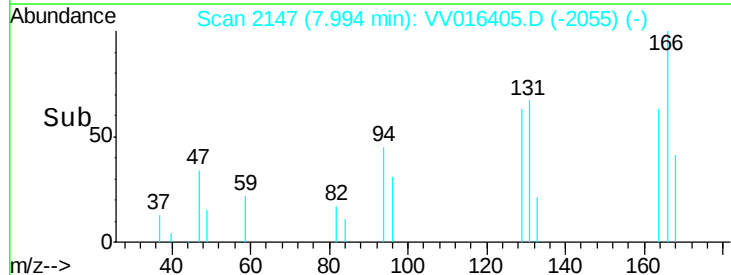
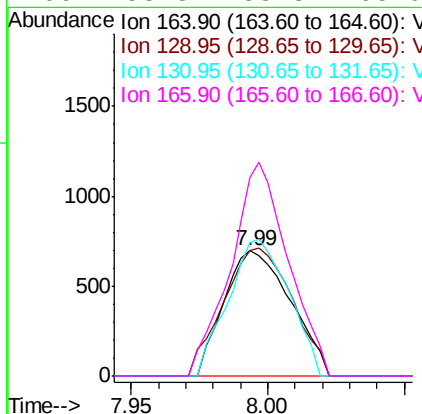
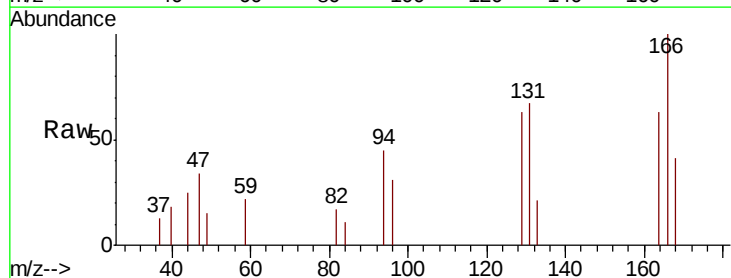
Instrument :
MSVOA_V
ClientSampleId :

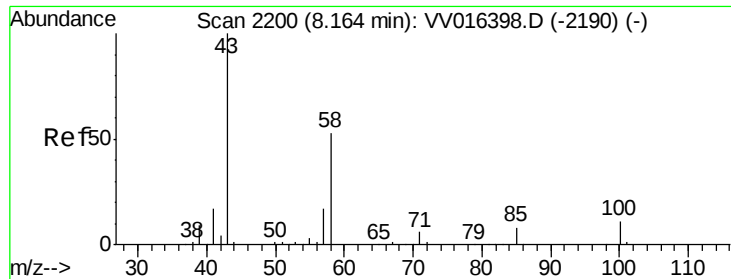
Tot Ion: 75 Resp: 522
Ion Ratio Lower Upper
75 100
77 38.2 21.1 39.3



#49
Tetrachloroethene
Concen: 0.309 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

Tgt Ion:164 Resp: 1182
Ion Ratio Lower Upper
164 100
129 100.1 72.2 134.0
131 106.6 65.8 122.2
166 158.3 88.3 163.9

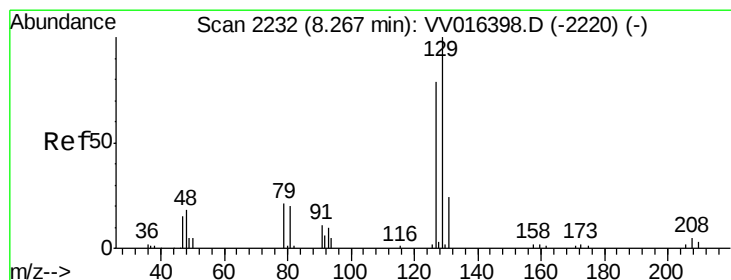
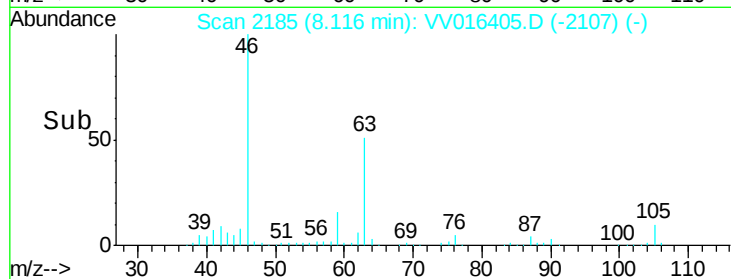
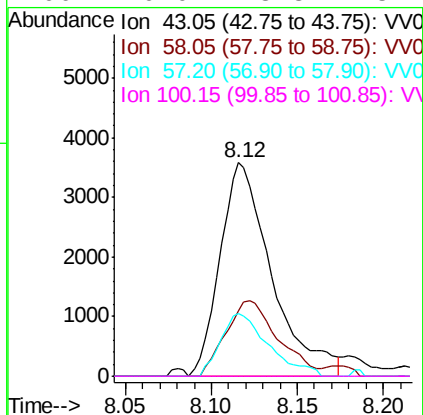
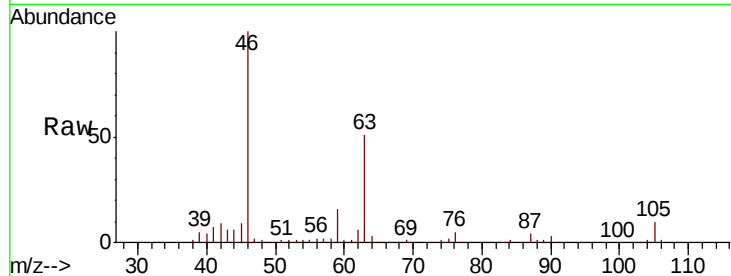




#50
2-Hexanone
Concen: 3.537 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

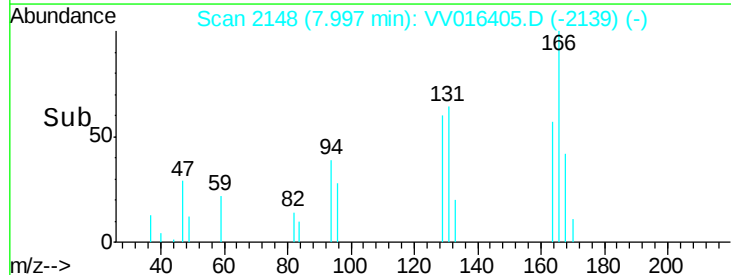
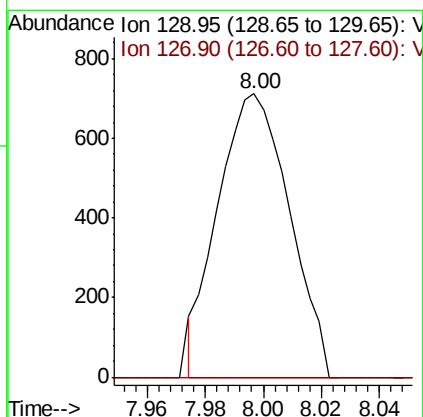
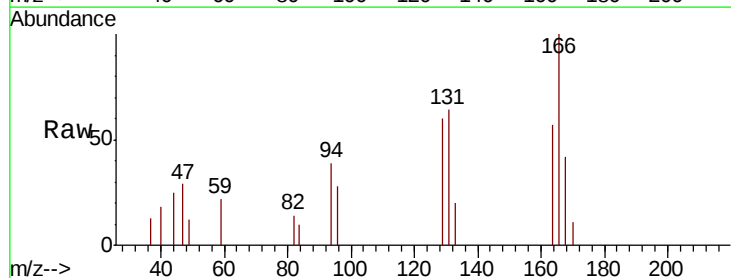
Instrument :
MSVOA_V
ClientSampleId :

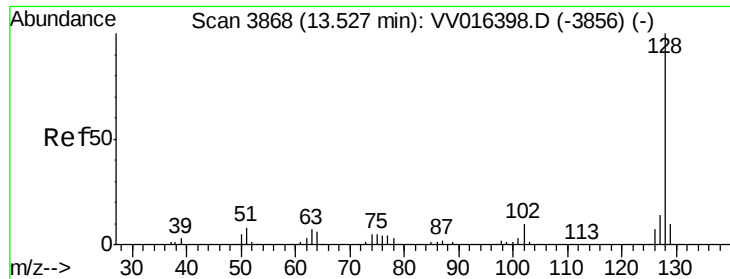
Tot Ion: 43 Resp: 7498
Ion Ratio Lower Upper
43 100
58 35.7 41.1 61.7#
57 27.1 14.2 21.4#
100 0.0 8.8 13.2#



#51
Dibromochloromethane
Concen: 0.361 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016405.D
Acq: 01 Jun 2020 12:30

Tgt Ion: 129 Resp: 1215
Ion Ratio Lower Upper
129 100
127 0.0 57.0 105.8#





#70

Naphthalene

Concen: 0.165 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

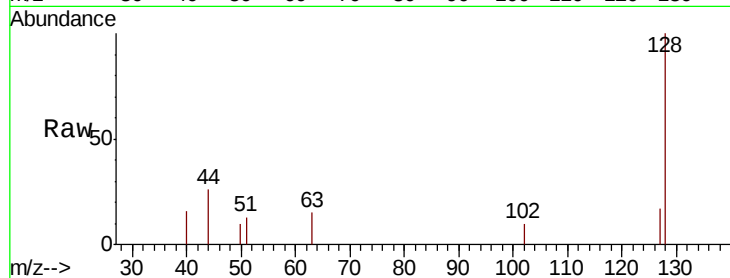
Lab File: VV016405.D

Acq: 01 Jun 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :



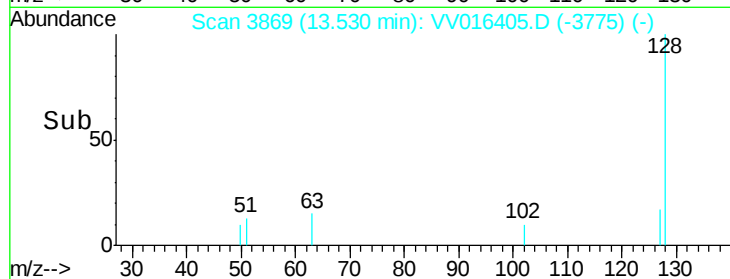
Tot Ion:128 Resp: 1908

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 9.7 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

