

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016203.D
 Acq On : 26 May 2020 20:22
 Operator : SY/MD
 Sample : L2731-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:16:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	97728	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94194	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	44158	5.00	ug/L	0.00

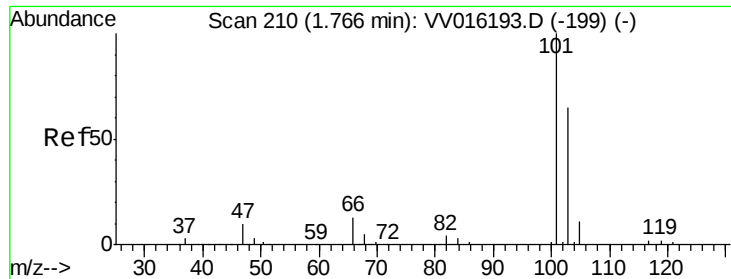
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29971	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	26289	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	41161	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.95	46	80622	51.78	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	4.38	84	60430	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.06	65	32689	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	117820	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.10	67	36893	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	108122	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
45) trans-1,3-Dichloropropene-	7.65	79	12490	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
48) 2-Hexanone-d5	8.12	63	59512	48.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25599	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	37287	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.77	101	1635	0.148	ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	461	0.076	ug/L #	24
17) Methyl tert-butyl Ether	2.79	73	892	0.063	ug/L	92
22) cis-1,2-Dichloroethene	3.94	96	482	0.065	ug/L	100
27) 1,2-Dichloroethane	5.07	62	824	0.099	ug/L #	79
34) Trichloroethene	5.95	95	964	0.137	ug/L #	72
35) Methylcyclohexane	6.10	83	8711	0.731	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4183	0.629	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	977	0.104	ug/L	85
46) trans-1,3-Dichloropropene	7.65	75	684	0.087	ug/L	94
50) 2-Hexanone	8.12	43	8156	2.828	ug/L #	76
70) Naphthalene	13.53	128	40104	2.192	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#9

Trichlorofluoromethane

Concen: 0.148 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV016203.D

Acq: 26 May 2020 20:22

Instrument :

MSVOA_V

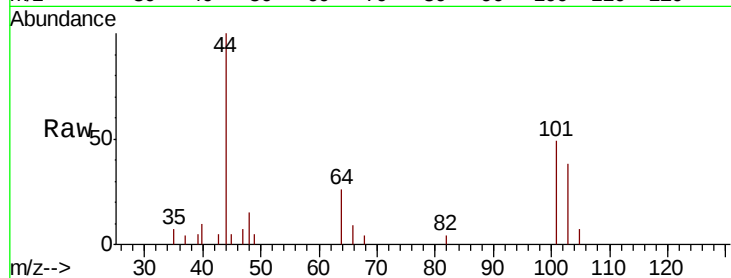
ClientSampleId :

Tot Ion:101 Resp: 1635

Ion Ratio Lower Upper

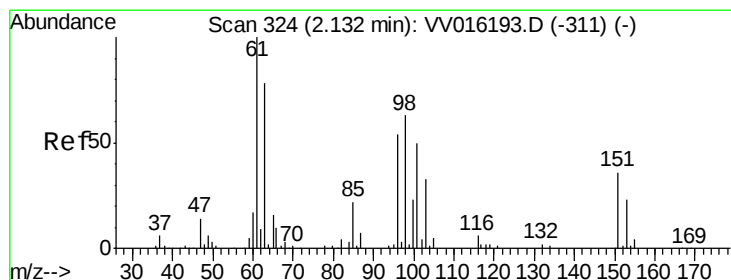
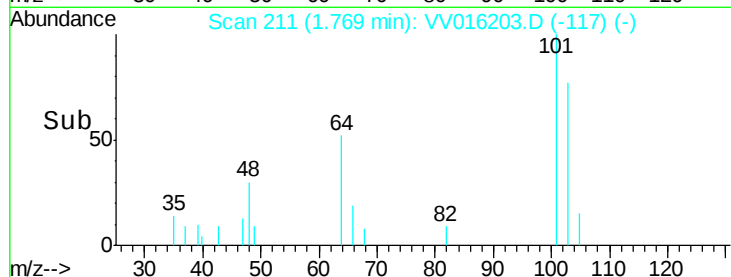
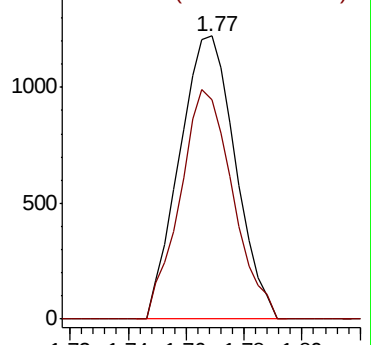
101 100

103 76.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016203.D

Acq: 26 May 2020 20:22

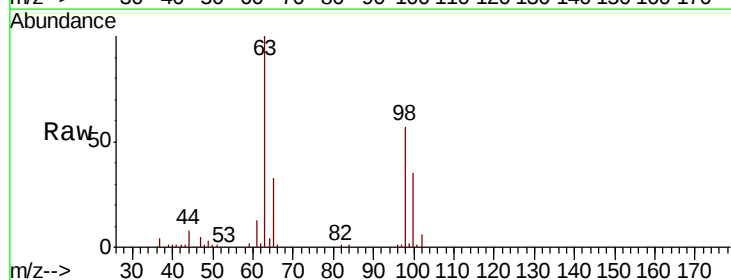
Tgt Ion:101 Resp: 461

Ion Ratio Lower Upper

101 100

85 5.0 35.0 52.6#

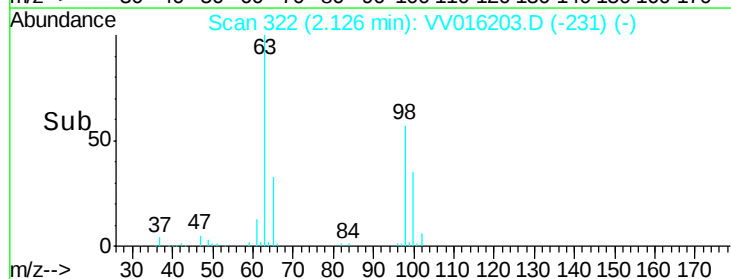
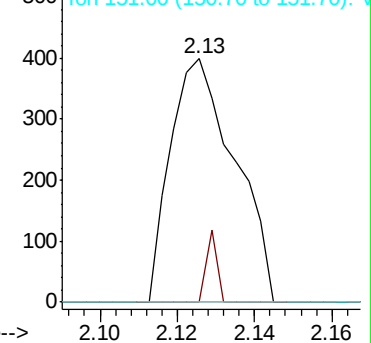
151 0.0 56.3 84.5#

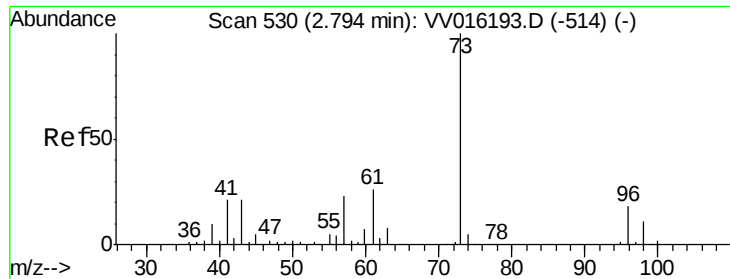


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

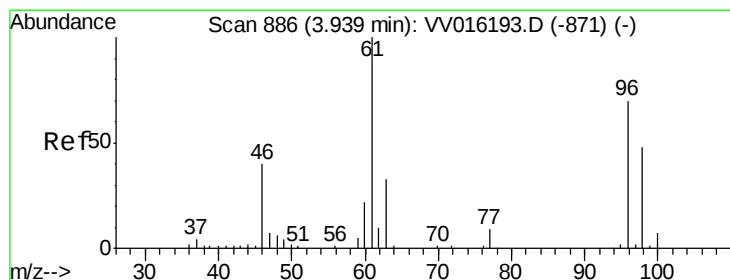
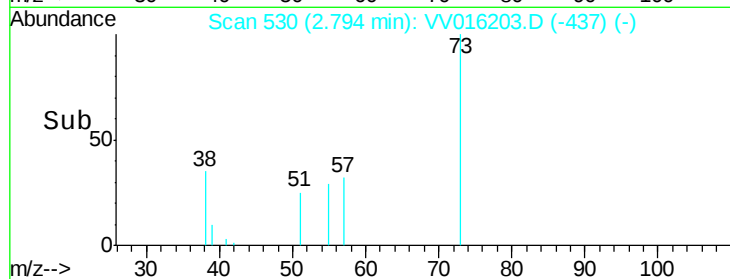
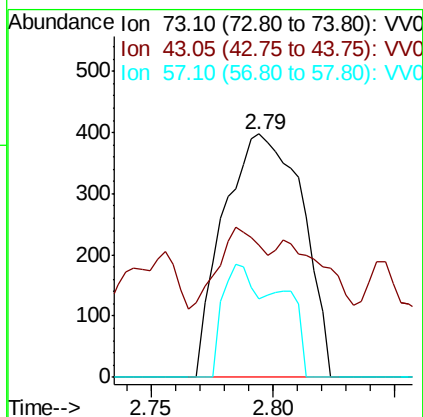
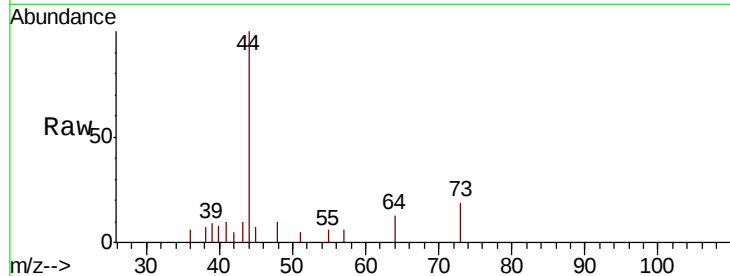




#17
Methvl tert-butvl Ether
Concen: 0.063 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016203.D
Acq: 26 May 2020 20:22

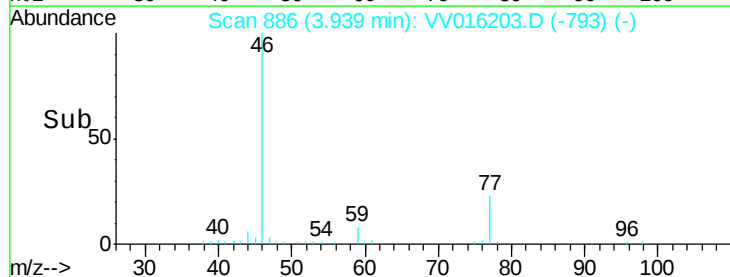
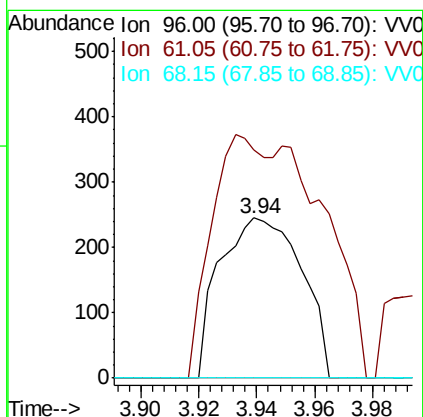
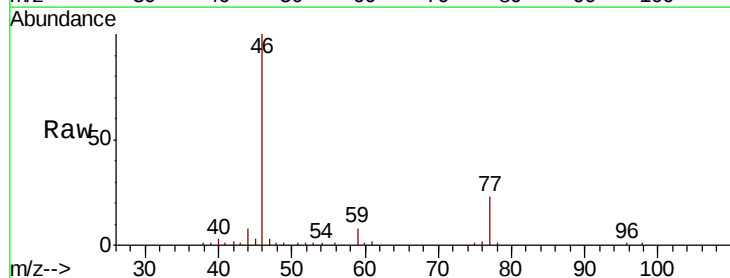
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MSVOA_V
ClientSampled :

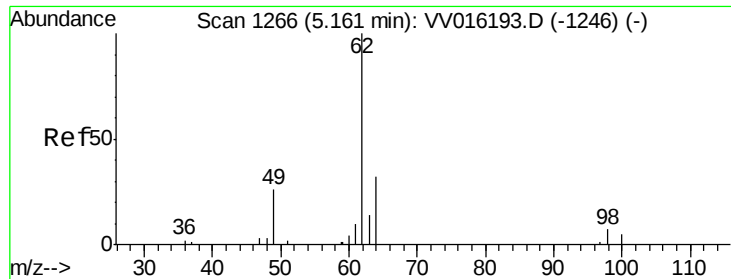
Tot Ion: 73 Resp: 892
Ion Ratio Lower Upper
73 100
43 18.5 17.8 26.8
57 20.0 18.9 28.3



#22
cis-1,2-Dichloroethene
Concen: 0.065 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016203.D
Acq: 26 May 2020 20:22

Tgt Ion: 96 Resp: 482
Ion Ratio Lower Upper
96 100
61 142.9 99.7 185.1
68 0.0 0.0 0.0

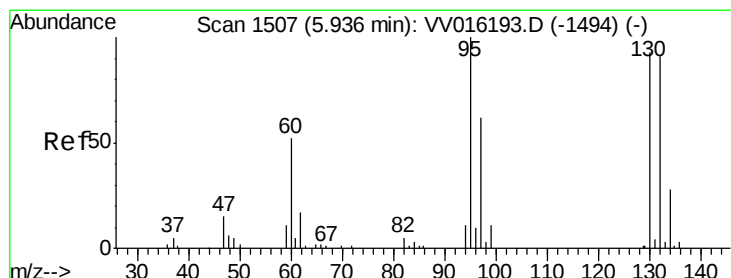
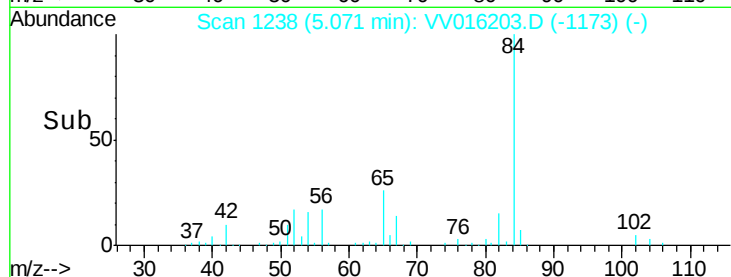
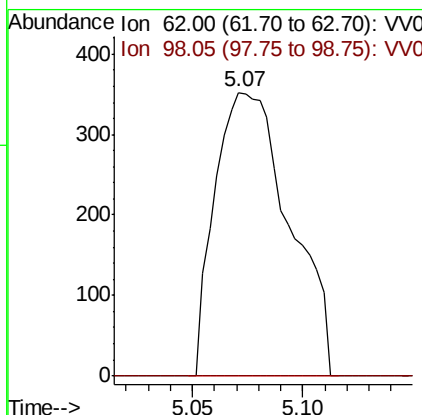
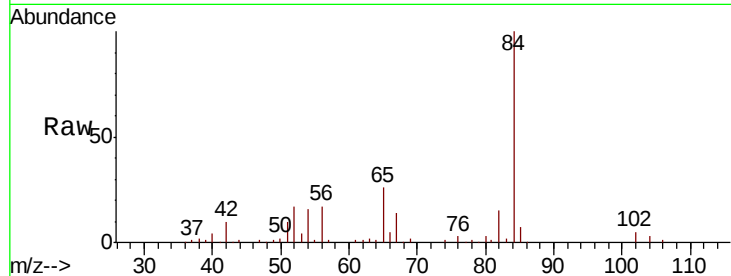




#27
 1,2-Dichloroethane
 Concen: 0.099 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.09 min
 Lab File: VV016203.D
 Acq: 26 May 2020 20:22

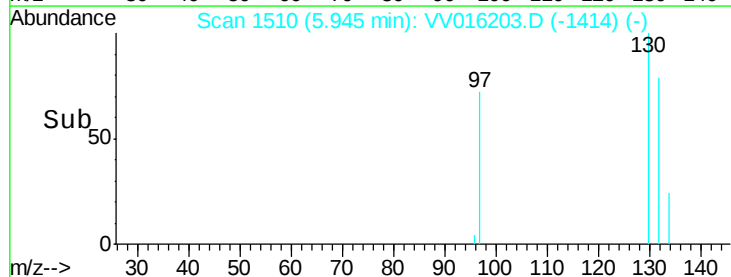
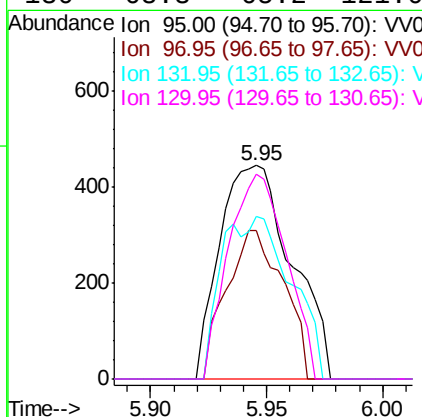
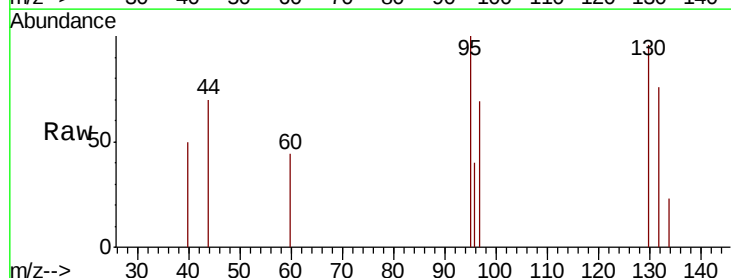
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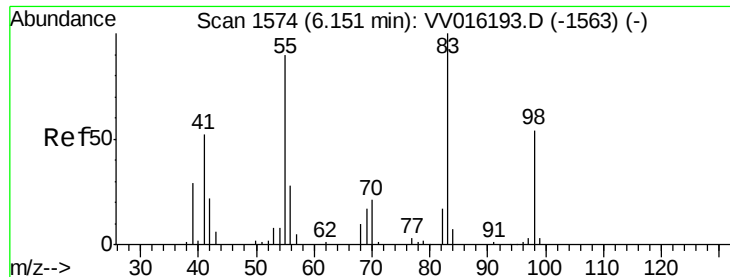
Tot Ion: 62 Resp: 824
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#34
 Trichloroethene
 Concen: 0.137 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV016203.D
 Acq: 26 May 2020 20:22

Tgt Ion: 95 Resp: 964
 Ion Ratio Lower Upper
 95 100
 97 49.4 43.6 81.0
 132 54.1 63.9 118.7#
 130 68.3 65.2 121.0

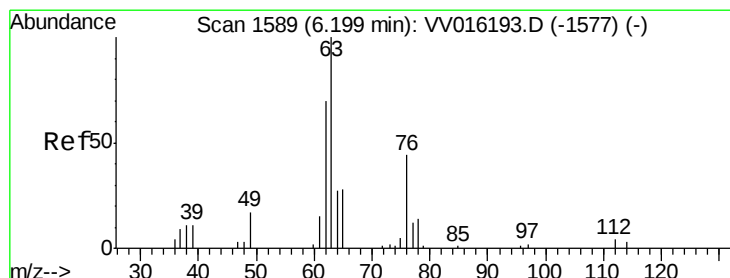
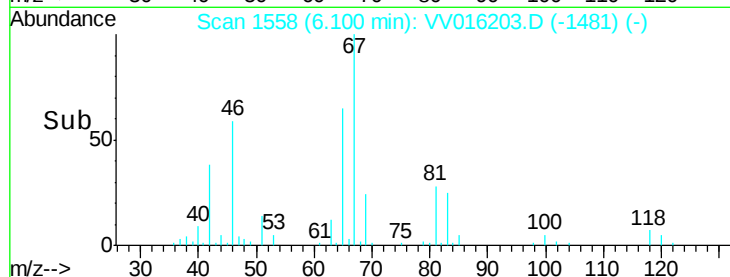
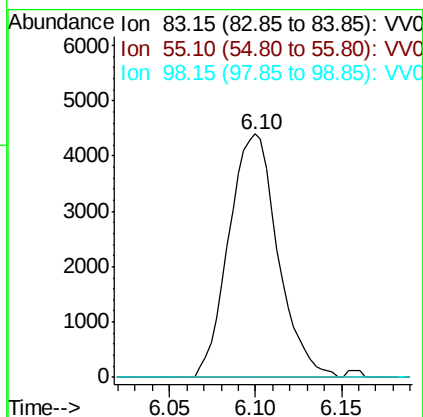
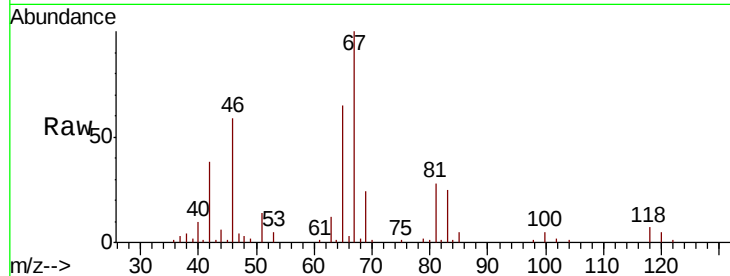




#35
Methvlcvclohexane
Concen: 0.731 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV016203.D
Acq: 26 May 2020 20:22

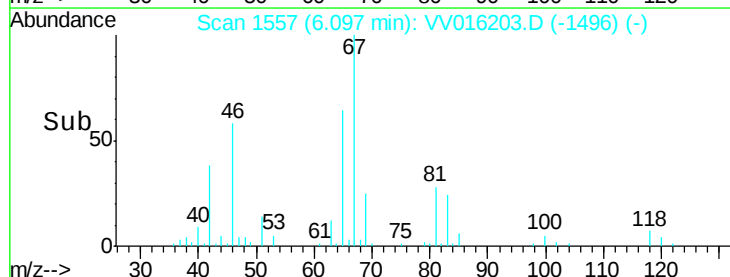
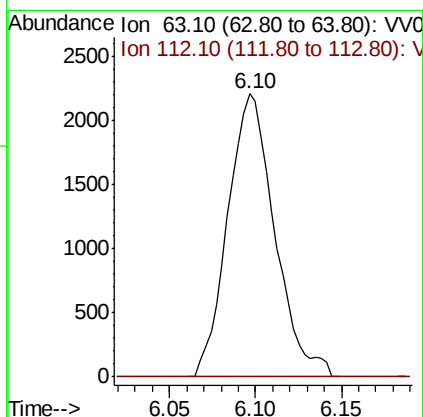
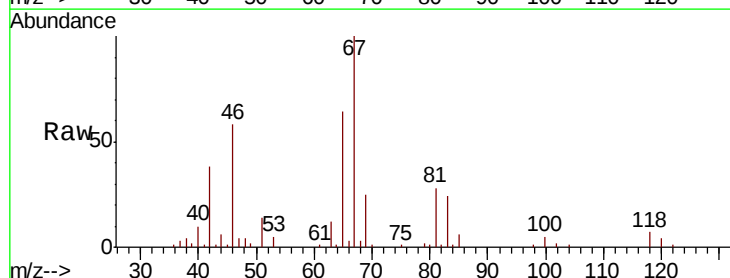
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MSVOA_V
ClientSampleId :

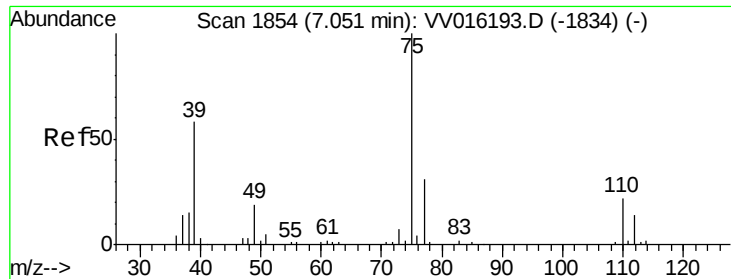
Tot Ion: 83 Resp: 8711
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016203.D
Acq: 26 May 2020 20:22

Tgt Ion: 63 Resp: 4183
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

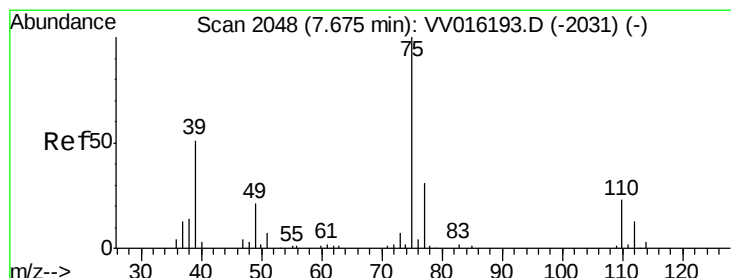
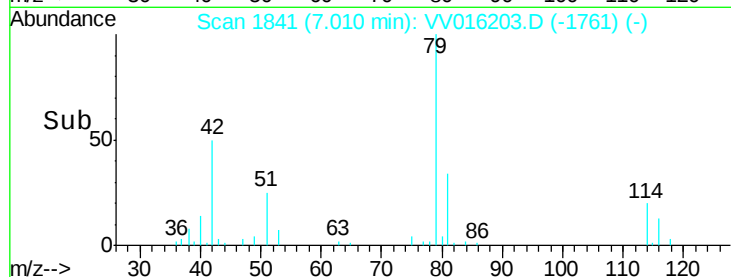
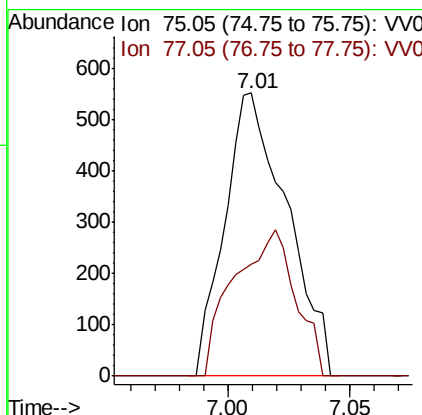
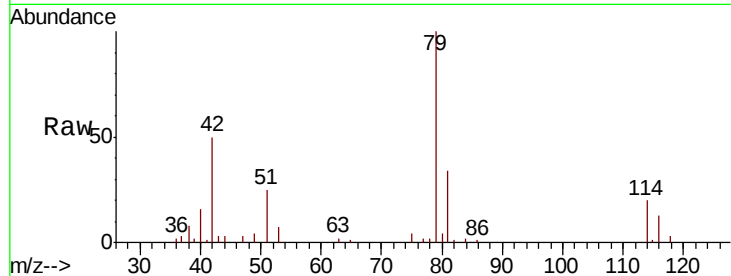




#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016203.D
 Acq: 26 May 2020 20:22

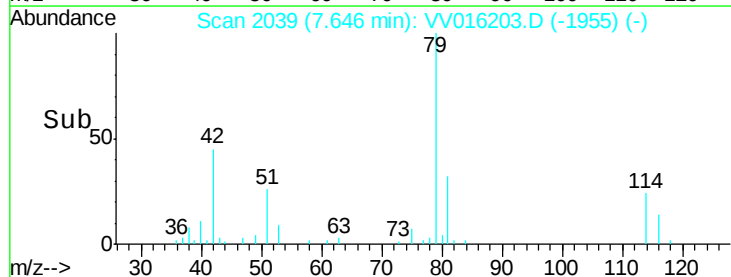
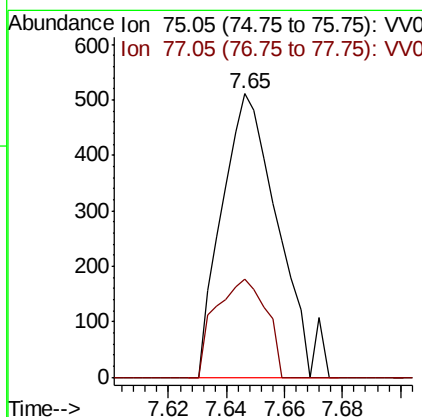
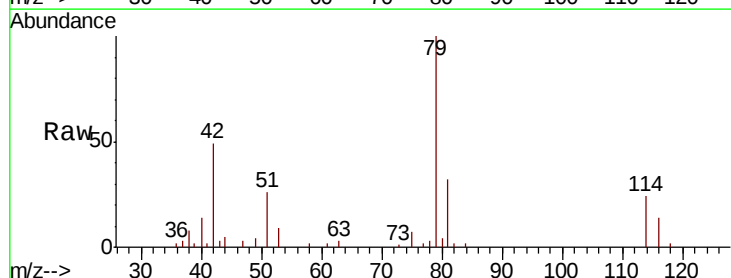
Instrument :
 MSVOA_V
 ClientSampled :

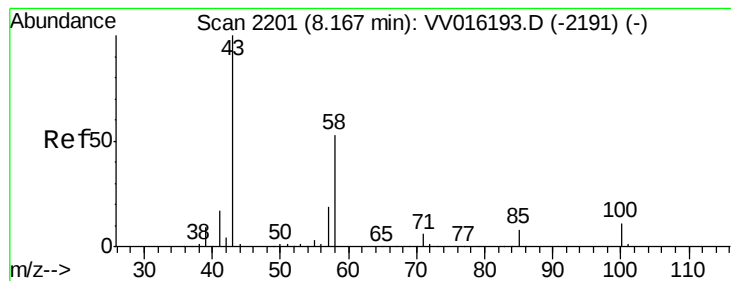
Tot Ion: 75 Resp: 977
 Ion Ratio Lower Upper
 75 100
 77 39.3 21.7 40.3



#46
 trans-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016203.D
 Acq: 26 May 2020 20:22

Tgt Ion: 75 Resp: 684
 Ion Ratio Lower Upper
 75 100
 77 34.4 21.7 40.3





#50

2-Hexanone

Concen: 2.828 ug/L

RT: 8.12 min Scan# 2185

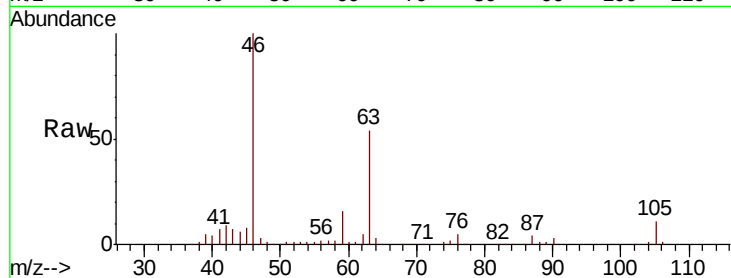
Delta R.T. -0.05 min

Lab File: VV016203.D

Acq: 26 May 2020 20:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	8156
Ion	Ratio	Lower	Upper
43	100		
58	32.7	41.4	62.0#
57	23.9	15.0	22.4#
100	0.0	9.0	13.4#



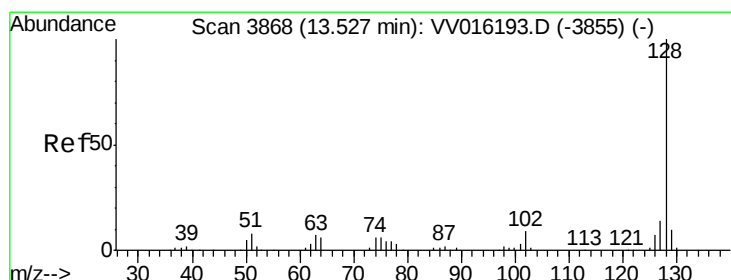
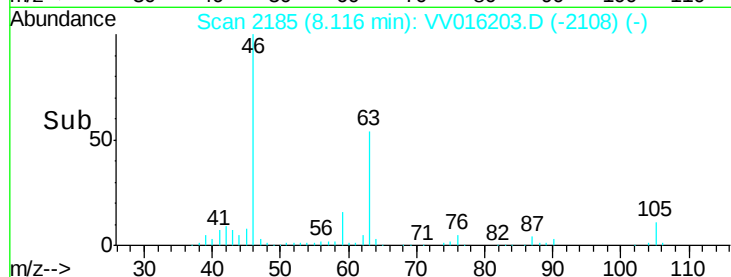
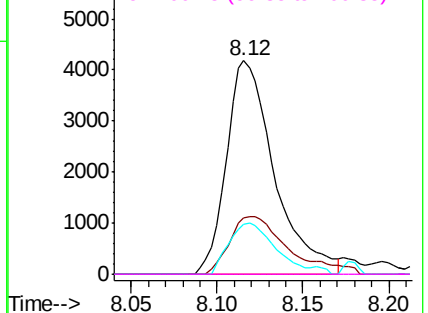
Abundance

Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#70

Naphthalene

Concen: 2.192 ug/L

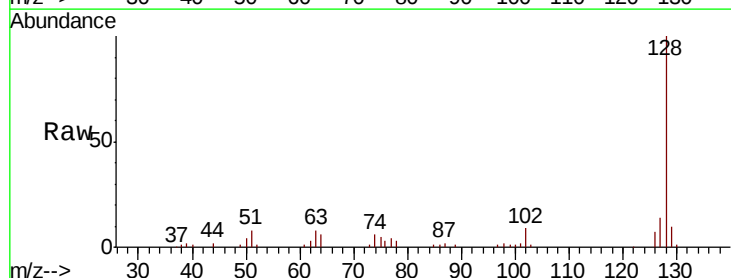
RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016203.D

Acq: 26 May 2020 20:22

Tgt Ion:	128	Resp:	40104
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	13.0
127	12.9	10.6	15.8



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

