

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\
 Data File : VV019899.D
 Acq On : 05 Jan 2021 16:04
 Operator : SY/MD
 Sample : M1016-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4W0

Quant Time: Jan 06 07:12:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 07:08:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	533614	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	508327	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	250901	50.00	ug/L	0.00

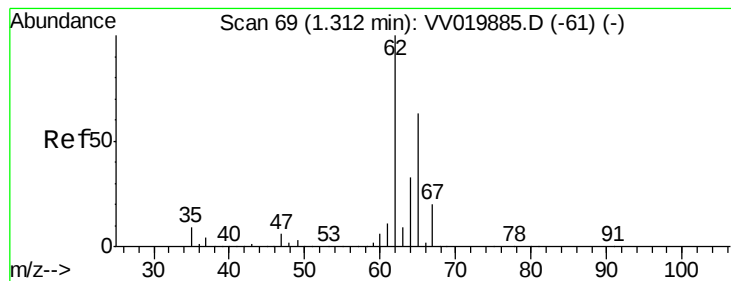
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	187255	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.70%
7) Chloroethane-d5	1.57	69	158941	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.84%
11) 1,1-Dichloroethene-d2	2.11	63	284689	36.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.94%
21) 2-Butanone-d5	3.88	46	290582	94.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.94%
24) Chloroform-d	4.35	84	362444	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	5.04	65	256726	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
32) Benzene-d6	5.05	84	715874	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
36) 1,2-Dichloropropane-d6	6.07	67	231884	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.32	98	636086	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%
43) trans-1,3-Dichloropropene-	7.63	79	106002	44.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.60%
47) 2-Hexanone-d5	8.09	63	191938	96.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.49%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	297513	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.63	152	243488	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.31	62	11811	2.383	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2394	0.708	ug/L #	25
22) 2-Butanone	3.89	43	6251	1.879	ug/L	85
25) Chloroform	4.41	83	10384	1.374	ug/L #	57
27) 1,2-Dichloroethane	5.05	62	4937	0.792	ug/L	98
29) Cyclohexane	4.69	56	51813	7.961	ug/L	97
34) Trichloroethene	5.92	95	16641	3.923	ug/L	96
35) Methylcyclohexane	6.14	83	28930	4.548	ug/L #	59
46) Tetrachloroethene	7.98	164	53625	18.931	ug/L	98
48) 2-Hexanone	8.15	43	8152	1.640	ug/L #	43
53) m,p-Xylene	9.15	106	21117	3.146	ug/L	99
56) Isopropylbenzene	9.94	105	240345	13.675	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.42	75	2983	2.010	ug/L #	7
69) Naphthalene	13.51	128	19646	1.273	ug/L #	84

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



#5

Vinyl chloride

Concen: 2.383 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019899.D

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MSVOA_V

ClientSampled :

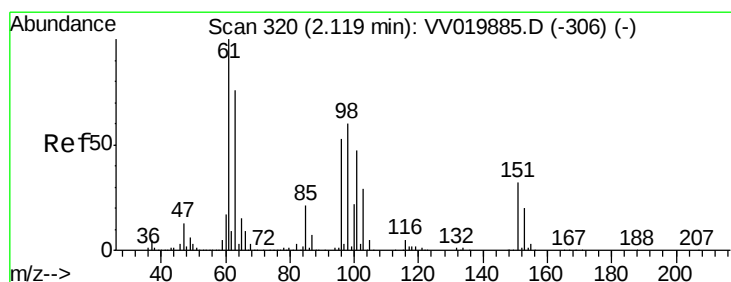
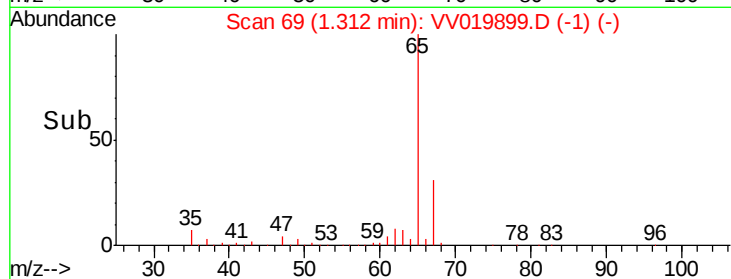
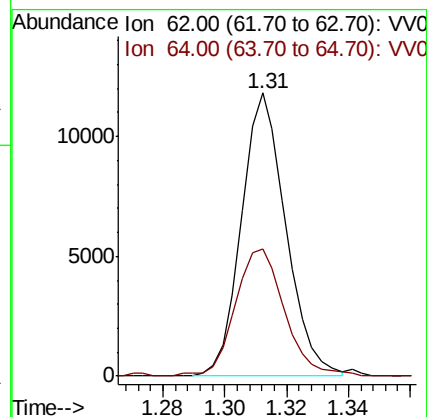
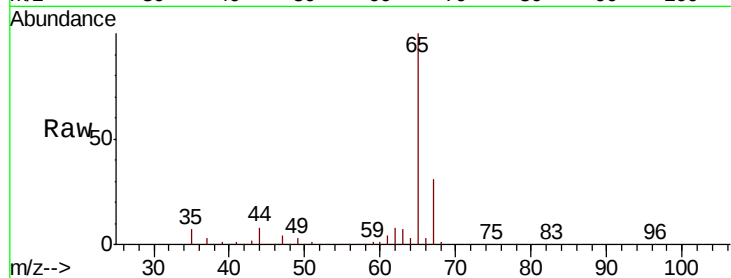
BG4W0

Tot Ion: 62 Resp: 11811

Ion Ratio Lower Upper

62 100

64 45.0 23.0 42.6#



#10

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

Concen: 0.708 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019899.D

Acq: 05 Jan 2021 16:04

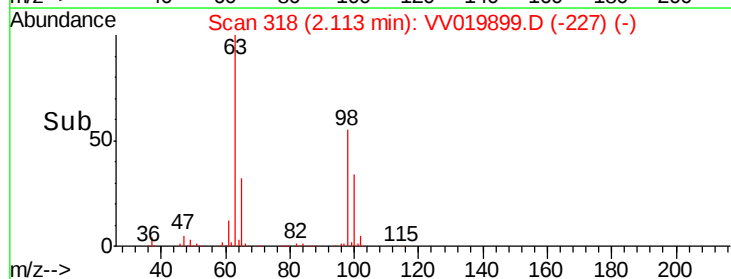
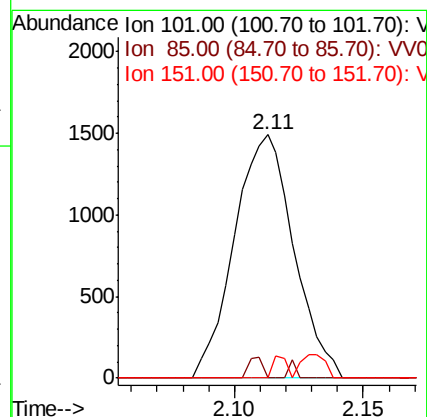
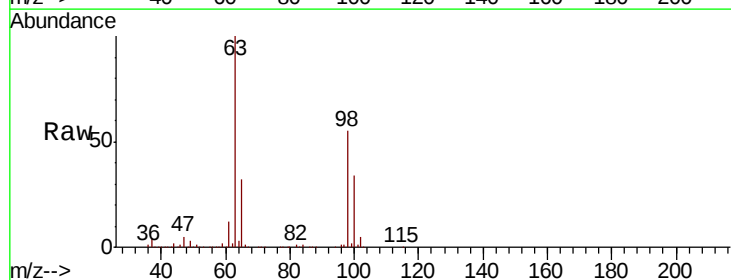
Tgt Ion: 101 Resp: 2394

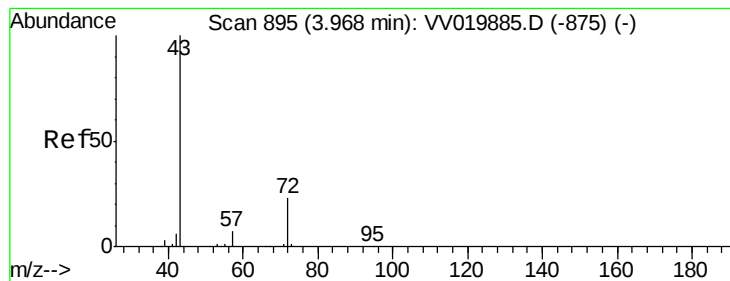
Ion Ratio Lower Upper

101 100

85 2.0 35.3 52.9#

151 2.0 53.6 80.4#





#22

2-Butanone

Concen: 1.879 ug/L

RT: 3.89 min Scan# 870

Delta R.T. -0.08 min

Lab File: VV019899.D

Acq: 05 Jan 2021 16:04

Instrument :

MSVOA_V

ClientSampled :

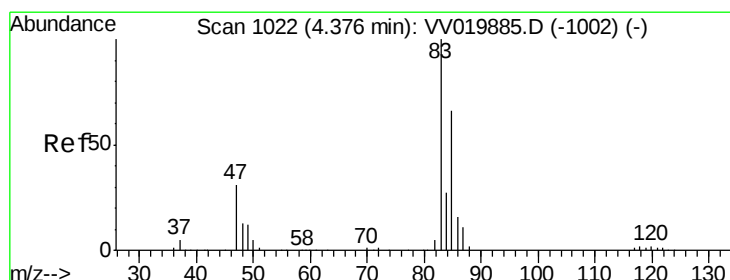
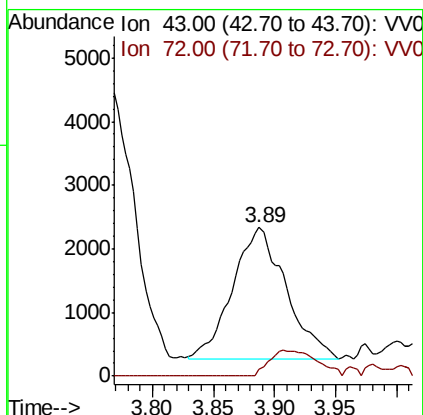
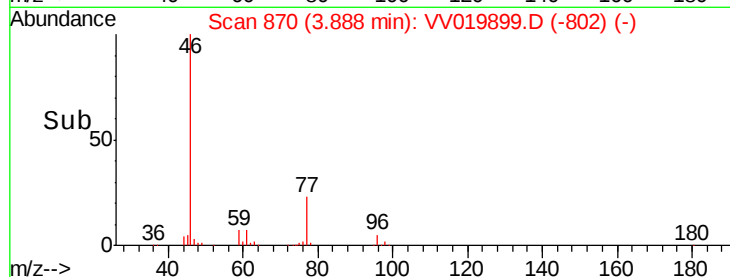
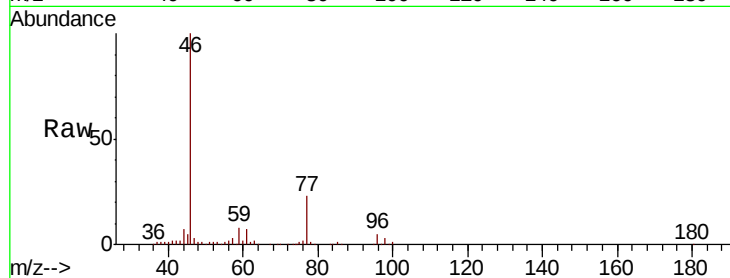
BG4W0

Tot Ion: 43 Resp: 6251

Ion Ratio Lower Upper

43 100

72 16.7 12.2 36.6



#25

Chloroform

Concen: 1.374 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.03 min

Lab File: VV019899.D

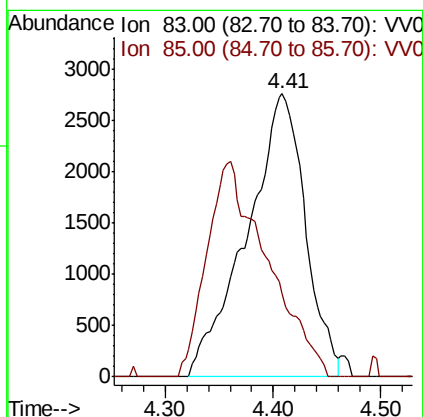
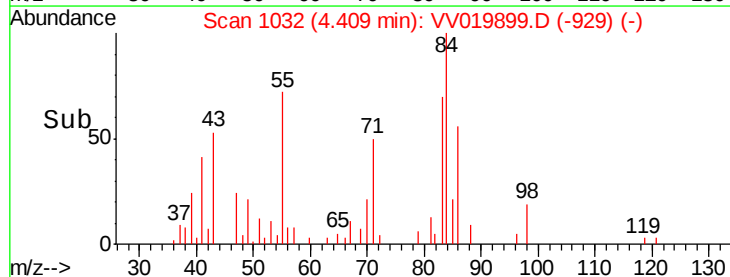
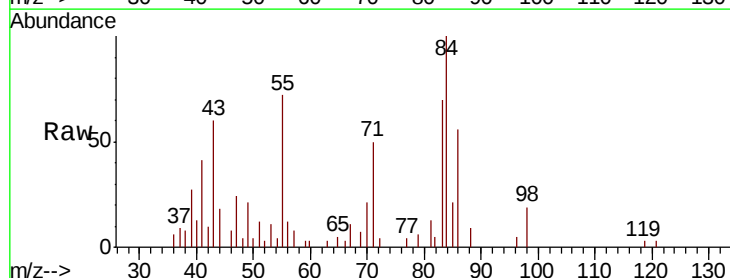
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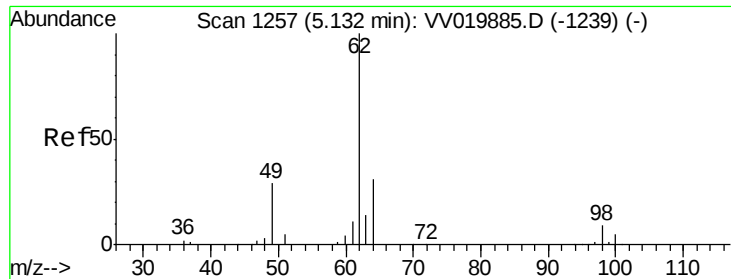
Tgt Ion: 83 Resp: 10384

Ion Ratio Lower Upper

83 100

85 29.5 44.2 82.2#

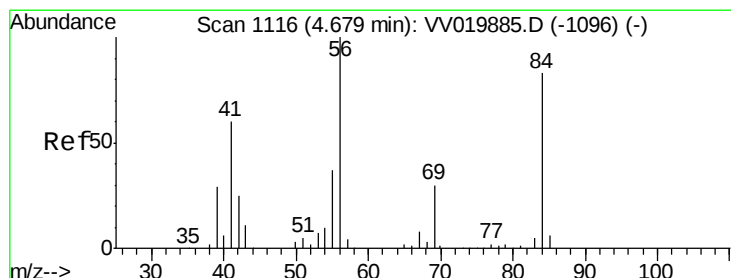
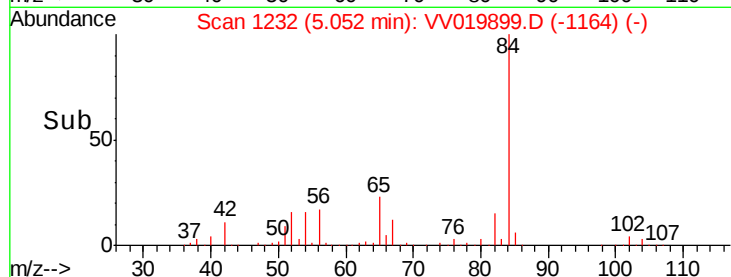
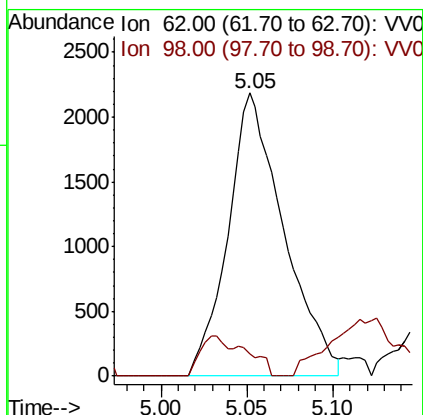
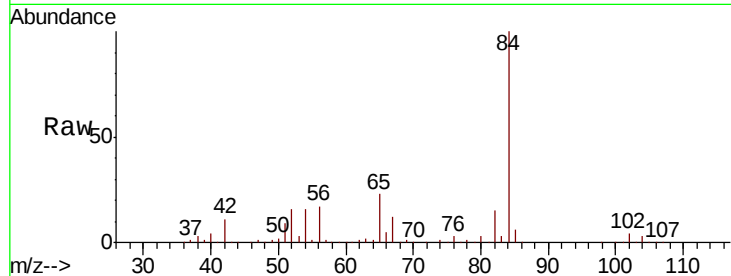




#27
 1,2-Dichloroethane
 Concen: 0.792 ug/L
 RT: 5.05 min Scan# 1232
 Delta R.T. -0.08 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

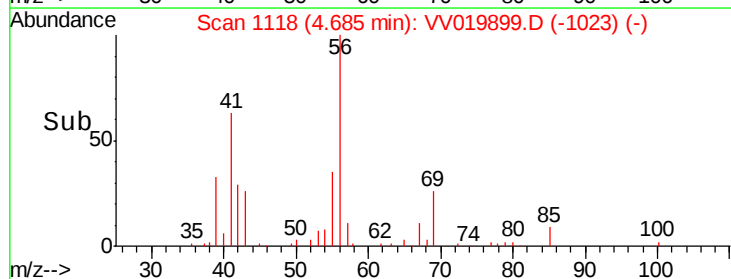
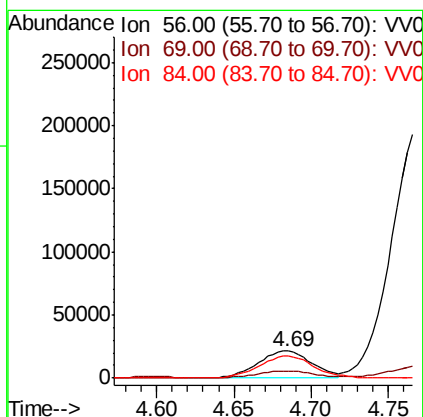
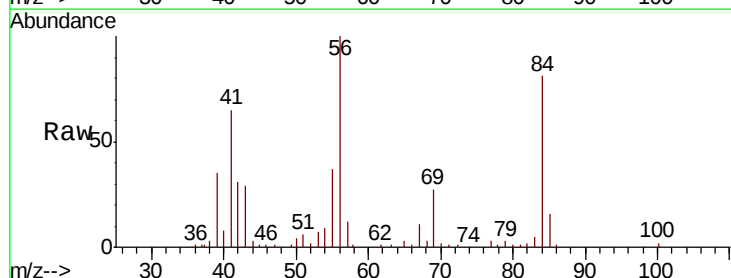
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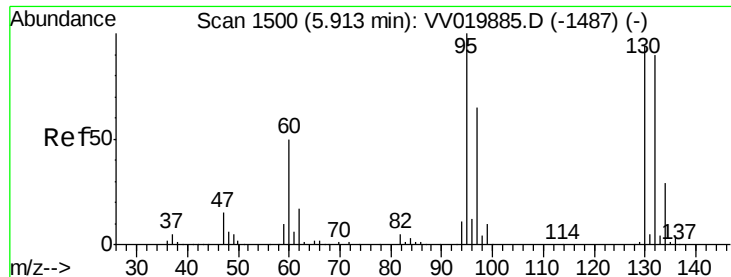
Tot Ion: 62 Resp: 4937
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.9 10.3



#29
 Cyclohexane
 Concen: 7.961 ug/L
 RT: 4.69 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

Tgt Ion: 56 Resp: 51813
 Ion Ratio Lower Upper
 56 100
 69 25.9 24.2 36.2
 84 81.9 66.3 99.5

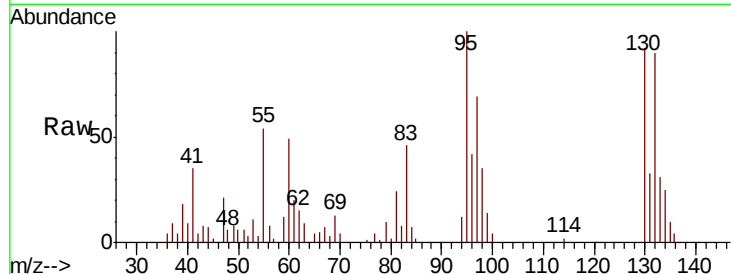




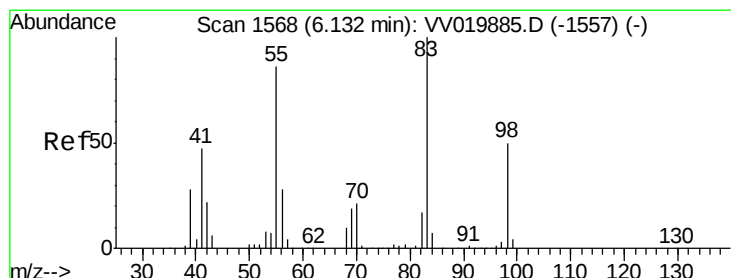
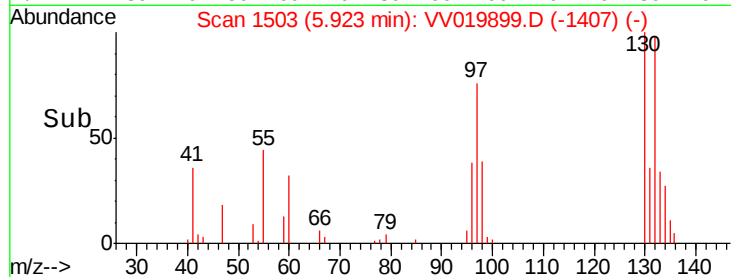
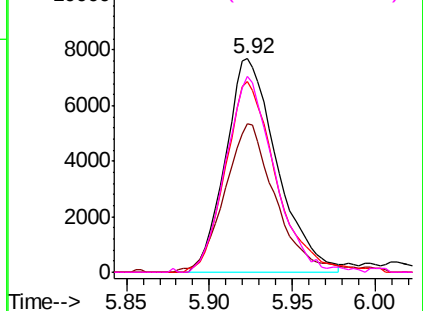
#34
 Trichloroethene
 Concen: 3.923 ug/L
 RT: 5.92 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4W0

Tot Ion: 95 Resp: 16641
 Ion Ratio Lower Upper
 95 100
 97 69.4 44.5 82.7
 132 89.6 63.4 117.8
 130 91.5 67.1 124.5

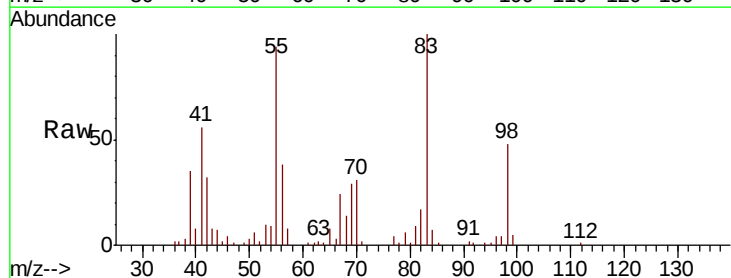


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

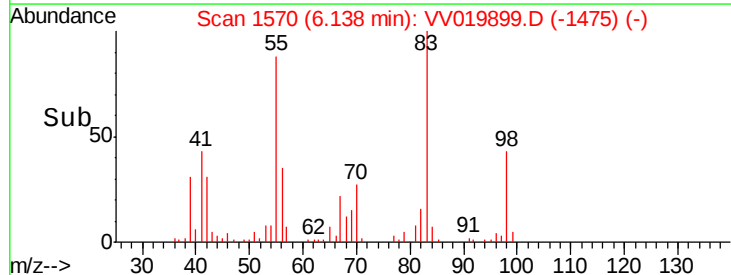
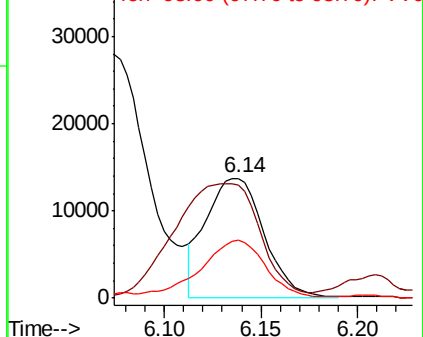


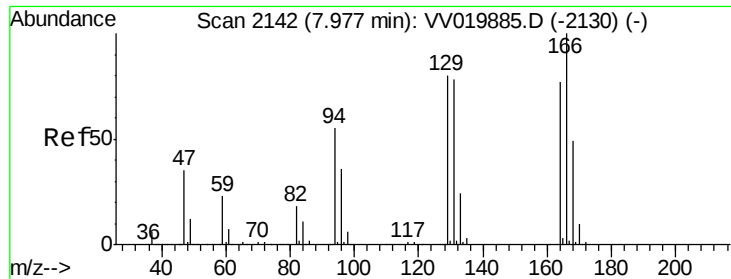
#35
 Methylcyclohexane
 Concen: 4.548 ug/L
 RT: 6.14 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

Tgt Ion: 83 Resp: 28930
 Ion Ratio Lower Upper
 83 100
 55 135.8 65.1 97.7#
 98 52.9 38.2 57.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

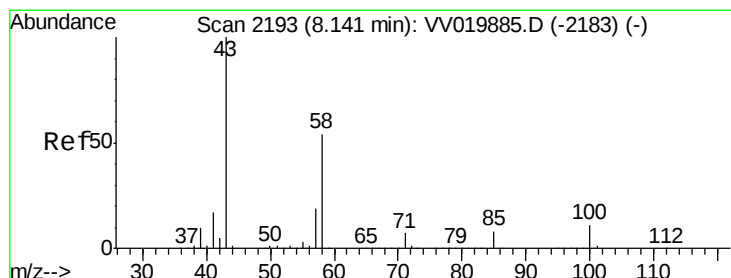
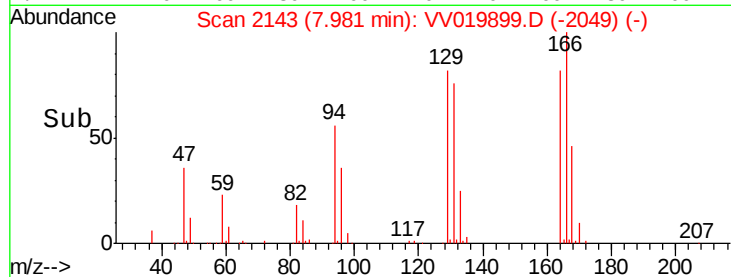
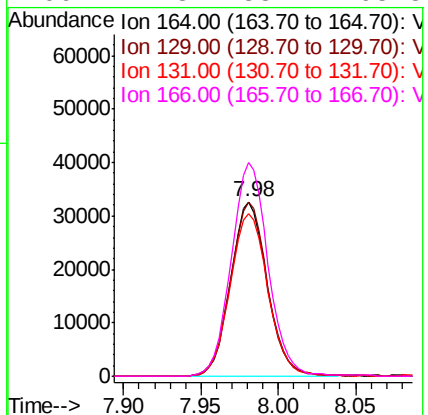
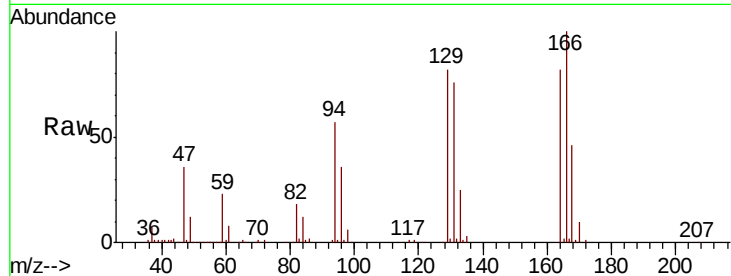




#46
Tetrachloroethene
Concen: 18.931 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019899.D
Acq: 05 Jan 2021 16:04

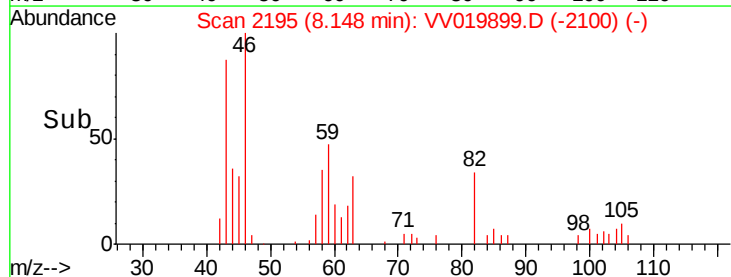
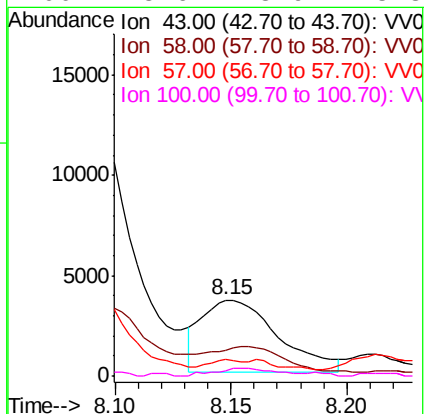
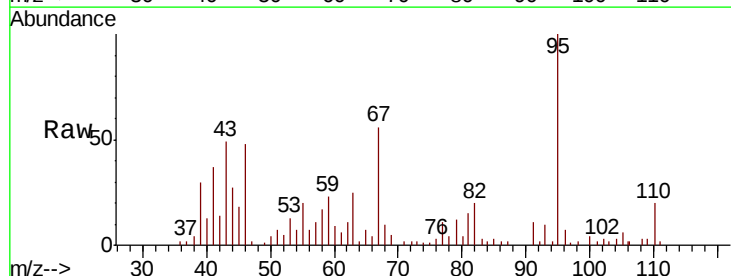
Instrument :
MSVOA_V
ClientSampleId :
BG4W0

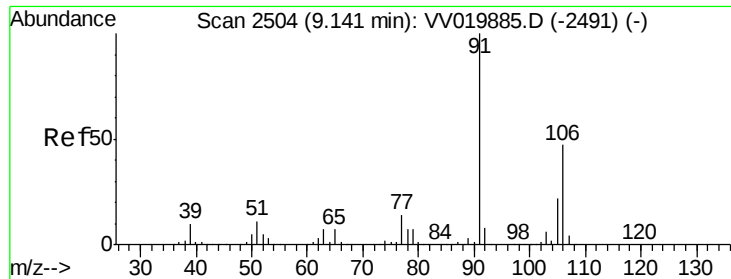
Tot Ion:164 Resp: 53625
Ion Ratio Lower Upper
164 100
129 100.0 70.6 131.0
131 92.9 66.8 124.0
166 122.3 88.2 163.8



#48
2-Hexanone
Concen: 1.640 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VV019899.D
Acq: 05 Jan 2021 16:04

Tgt Ion: 43 Resp: 8152
Ion Ratio Lower Upper
43 100
58 0.0 41.8 62.6#
57 3.6 15.0 22.4#
100 5.6 8.9 13.3#

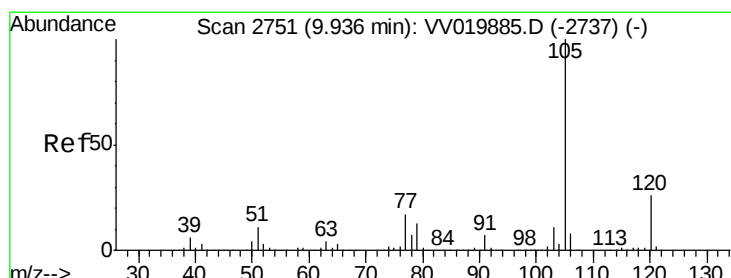
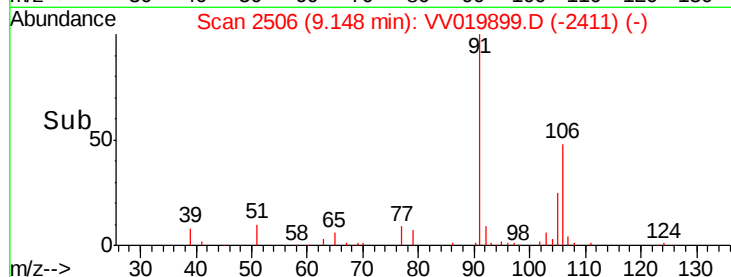
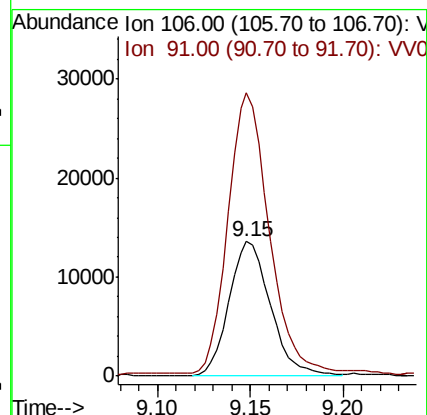
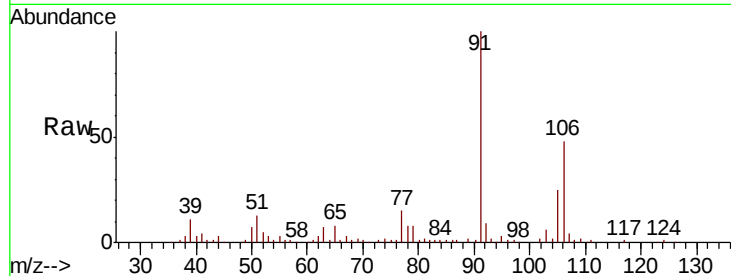




#53
m,p-Xylene
Concen: 3.146 ug/L
RT: 9.15 min Scan# 2506
Delta R.T. 0.01 min
Lab File: VV019899.D
Acq: 05 Jan 2021 16:04

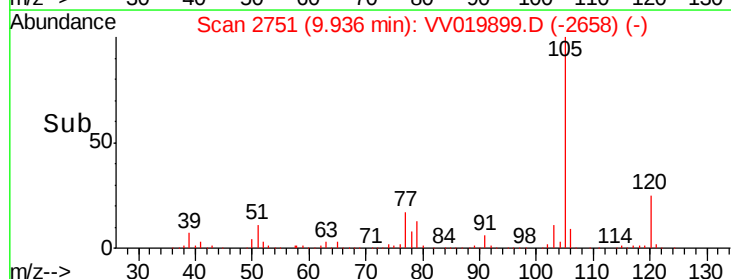
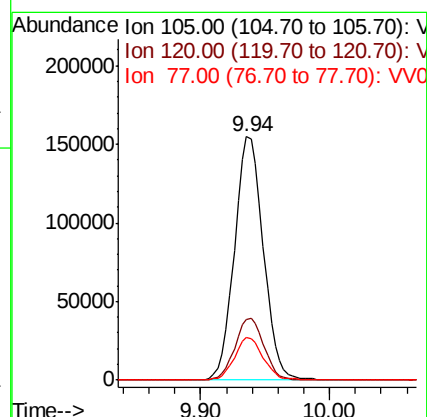
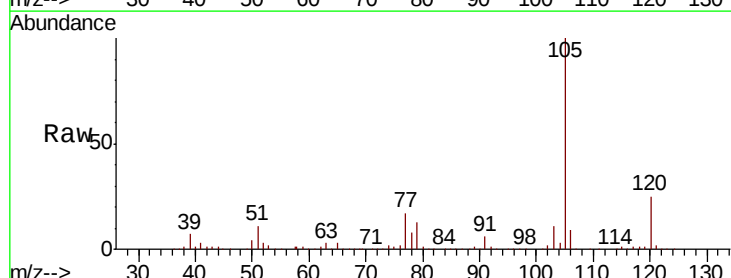
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ClientSampleId :
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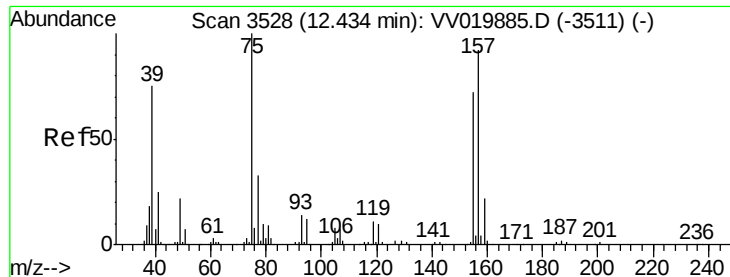
Tot Ion:106 Resp: 21117
Ion Ratio Lower Upper
106 100
91 210.0 148.1 275.0



#56
Isopropylbenzene
Concen: 13.675 ug/L
RT: 9.94 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VV019899.D
Acq: 05 Jan 2021 16:04

Tgt Ion:105 Resp: 240345
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 17.3 13.6 20.4

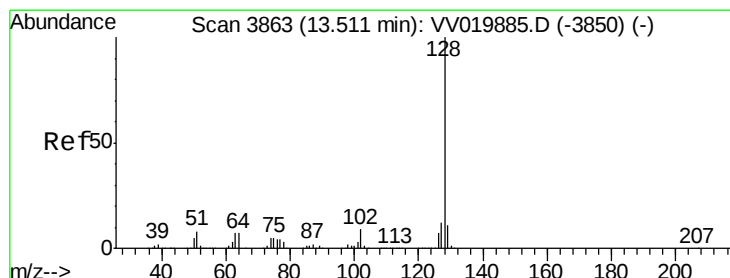
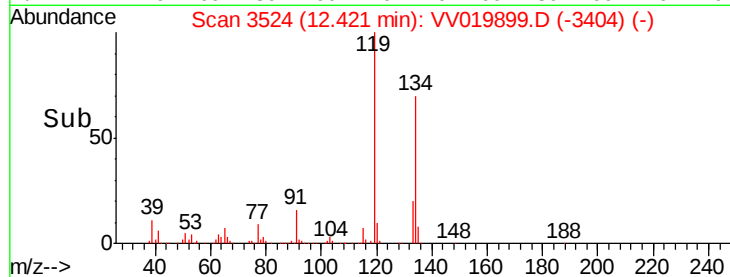
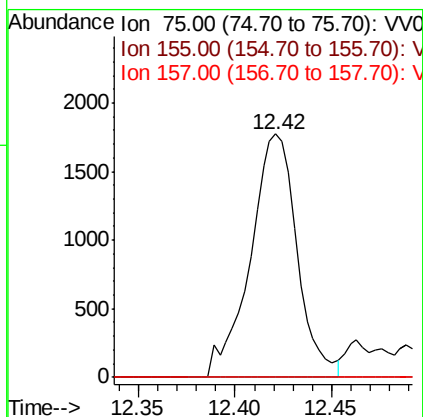
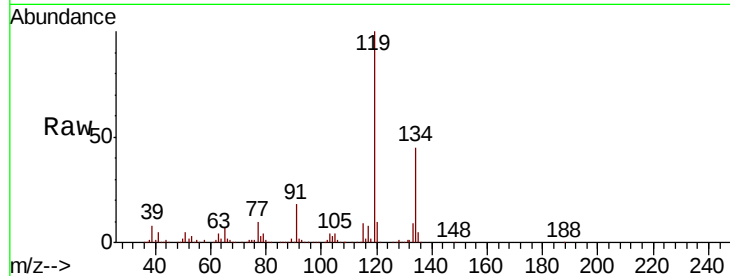




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.010 ug/L
 RT: 12.42 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4W0

Tot Ion: 75 Resp: 2983
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.1 88.7#
 157 0.0 75.4 113.0#



#69
 Naphthalene
 Concen: 1.273 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV019899.D
 Acq: 05 Jan 2021 16:04

Tgt Ion: 128 Resp: 19646
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.3 15.5
 129 0.0 8.6 13.0#

