

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123020\
 Data File : VV019871.D
 Acq On : 30 Dec 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 02:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 15:40:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	290985	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	274251	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.25	152	138403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	96116	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.57	69	81048	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.11	63	204642	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.94	46	205758	46.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.16%
24) Chloroform-d	4.35	84	180770	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.04	65	87993	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.05	84	348181	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.07	67	103174	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.32	98	311199	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.63	79	38487	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.09	63	149537	47.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.40%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	64852	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
66) 1,2-Dichlorobenzene-d4	11.63	152	98476	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	139708	5.020	ug/L 99
3) Chloromethane	1.24	50	145033	4.712	ug/L 100
5) Vinyl chloride	1.31	62	147579	4.887	ug/L 98
6) Bromomethane	1.52	94	83423	4.719	ug/L 98
8) Chloroethane	1.58	64	87730	4.753	ug/L 98
9) Trichlorofluoromethane	1.75	101	180343	4.917	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	101603	5.149	ug/L 99
12) 1,1-Dichloroethene	2.12	96	100692	4.994	ug/L 95
13) Acetone	2.26	43	162183	48.956	ug/L 81
14) Carbon disulfide	2.29	76	327393	4.689	ug/L 99
15) Methyl Acetate	2.44	43	37908	4.581	ug/L # 79
16) Methylene chloride	2.51	84	112567	4.585	ug/L 99
17) Methyl tert-butyl Ether	2.77	73	231296	4.587	ug/L 98
18) trans-1,2-Dichloroethene	2.76	96	108712	4.774	ug/L 95
19) 1,1-Dichloroethane	3.19	63	211525	4.798	ug/L 99
21) 2-Butanone	4.01	43	259763	46.606	ug/L # 70
22) cis-1,2-Dichloroethene	3.91	96	111158	4.695	ug/L 96

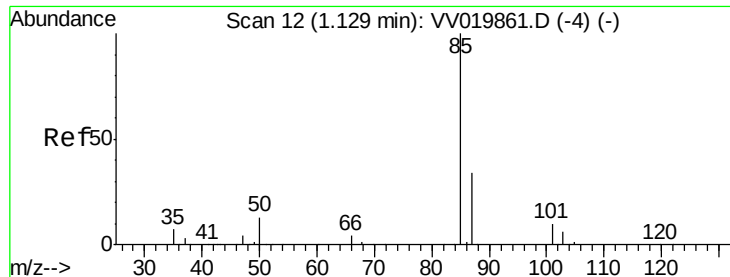
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123020\
 Data File : VV019871.D
 Acq On : 30 Dec 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 02:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 15:40:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	43681	4.628	ug/L	96
25) Chloroform	4.38	83	210705	4.805	ug/L	96
27) 1,2-Dichloroethane	5.14	62	127050	4.756	ug/L	97
29) 1,1,1-Trichloroethane	4.61	97	184321	4.928	ug/L	100
30) Cyclohexane	4.68	56	188119	4.999	ug/L	99
31) Carbon tetrachloride	4.83	117	152542	4.993	ug/L	100
33) Benzene	5.10	78	440190	4.794	ug/L	100
34) Trichloroethene	5.91	95	115342	4.702	ug/L	96
35) Methylcyclohexane	6.13	83	189460	5.163	ug/L	98
37) 1,2-Dichloropropane	6.17	63	111434	4.840	ug/L	99
38) Bromodichloromethane	6.51	83	138485	4.876	ug/L	96
39) cis-1,3-Dichloropropene	7.03	75	153685	4.863	ug/L	97
40) 4-Methyl-2-pentanone	7.23	43	615670	47.348	ug/L	99
42) Toluene	7.39	91	462673	4.961	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	126331	4.880	ug/L	97
45) 1,1,2-Trichloroethane	7.84	97	69328	4.656	ug/L	95
47) Tetrachloroethene	7.98	164	80935	4.857	ug/L	98
48) 2-Hexanone	8.14	43	443196	49.174	ug/L	100
49) Dibromochloromethane	8.25	129	78030	4.844	ug/L	97
50) 1,2-Dibromoethane	8.36	107	62905	4.651	ug/L	96
51) Chlorobenzene	8.88	112	285304	4.837	ug/L	99
52) Ethylbenzene	9.02	91	515644	4.990	ug/L	99
53) m,p-xylene	9.14	106	187889	4.975	ug/L	98
54) o-xylene	9.55	106	178426	4.928	ug/L	97
55) Styrene	9.57	104	306601	5.011	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.25	83	75516	4.791	ug/L	100
59) Bromoform	9.74	173	35779	4.765	ug/L	100
60) Isopropylbenzene	9.94	105	499972	4.962	ug/L	99
61) 1,2,3-Trichloropropane	10.28	75	61373	4.587	ug/L	98
62) 1,3,5-Trimethylbenzene	10.54	105	407630	4.894	ug/L	99
63) 1,2,4-Trimethylbenzene	10.92	105	423055	4.986	ug/L	100
64) 1,3-Dichlorobenzene	11.19	146	213624	4.829	ug/L	99
65) 1,4-Dichlorobenzene	11.28	146	211738	4.771	ug/L	98
67) 1,2-Dichlorobenzene	11.65	146	192079	4.721	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.43	75	12459	4.515	ug/L	98
69) 1,3,5-Trichlorobenzene	12.65	180	160307	4.889	ug/L	99
70) 1,2,4-trichlorobenzene	13.27	180	126499	4.745	ug/L	99
71) Naphthalene	13.51	128	181270	4.494	ug/L	99
72) 1,2,3-Trichlorobenzene	13.75	180	106889	4.710	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.020 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

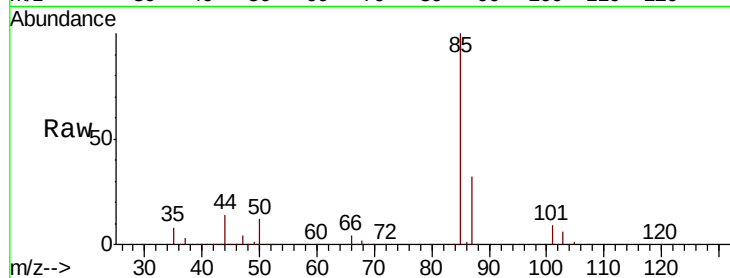
ClientSampleId :

Tot Ion: 85 Resp: 139708

Ion Ratio Lower Upper

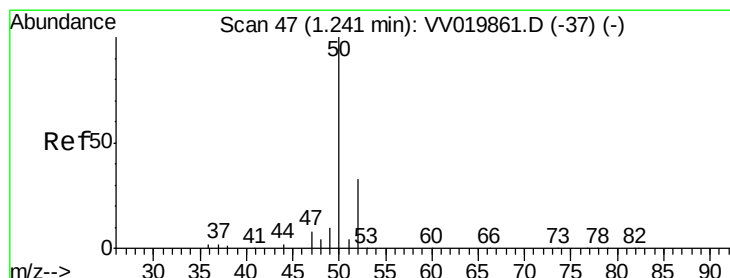
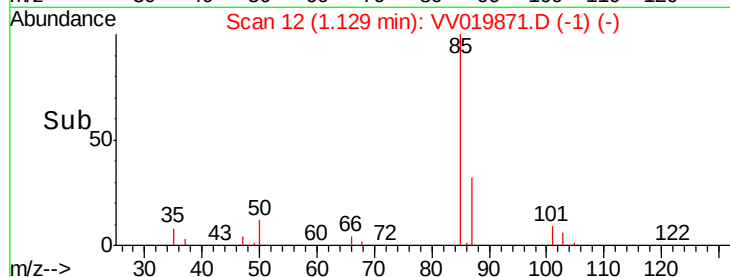
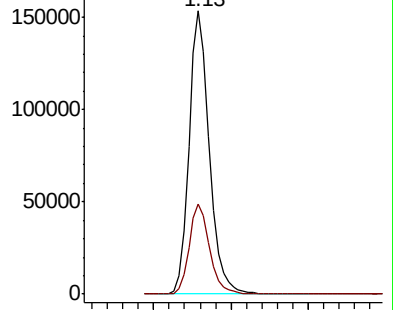
85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV019861.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV019861.D (-4) (-)



#3

Chloromethane

Concen: 4.712 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019871.D

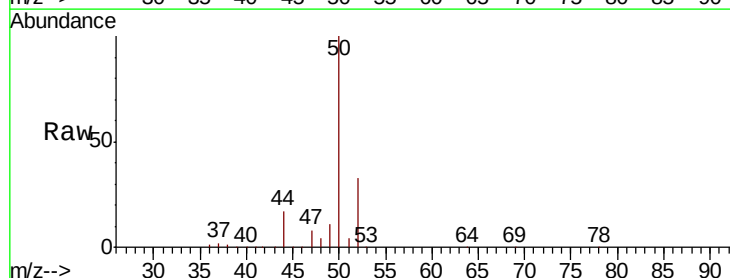
Acq: 30 Dec 2020 09:57

Tgt Ion: 50 Resp: 145033

Ion Ratio Lower Upper

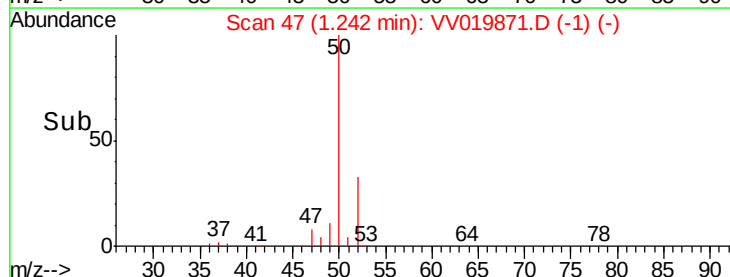
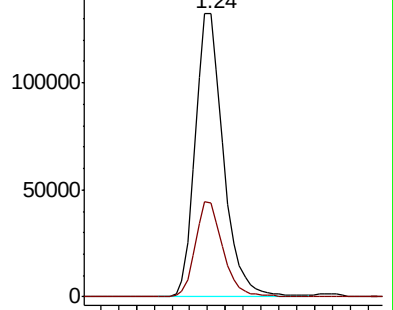
50 100

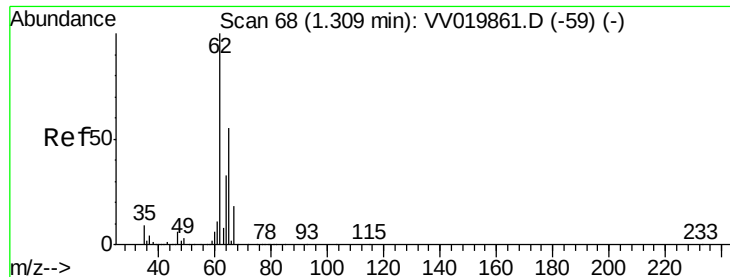
52 33.3 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV019861.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV019861.D (-37) (-)





#5

Vinyl chloride

Concen: 4.887 ug/L

RT: 1.31 min Scan# 68

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

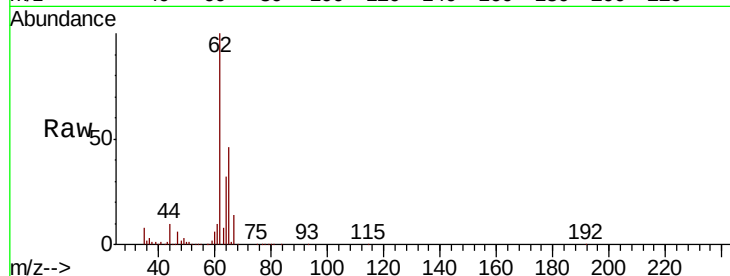
ClientSampleId :

Tot Ion: 62 Resp: 147579

Ion Ratio Lower Upper

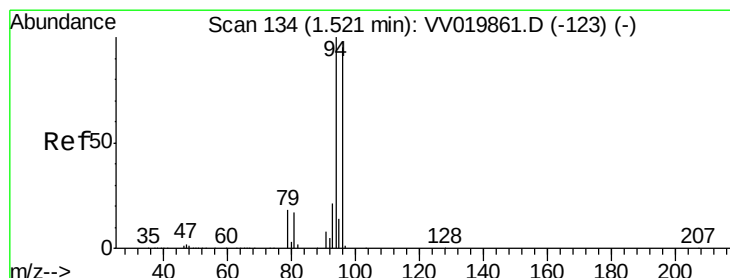
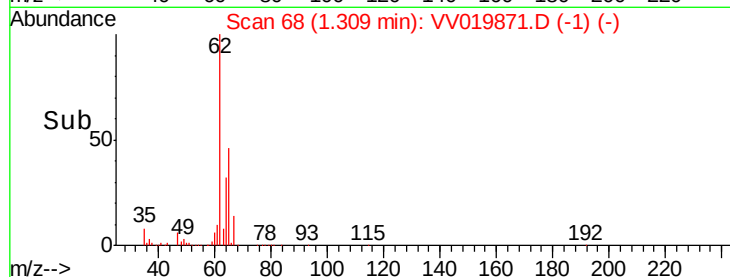
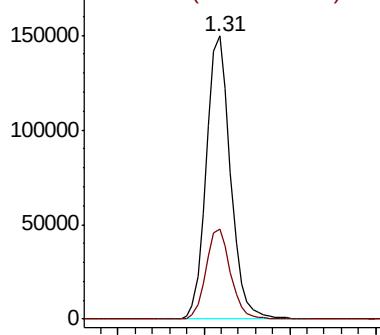
62 100

64 31.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.719 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019871.D

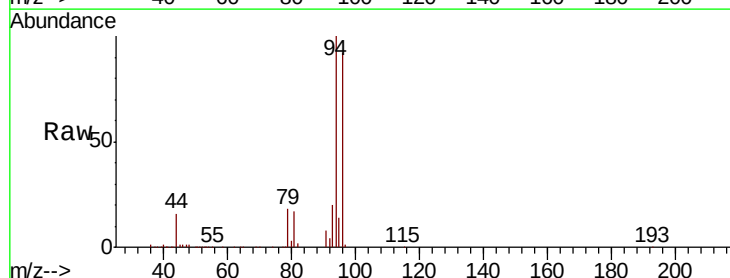
Acq: 30 Dec 2020 09:57

Tgt Ion: 94 Resp: 83423

Ion Ratio Lower Upper

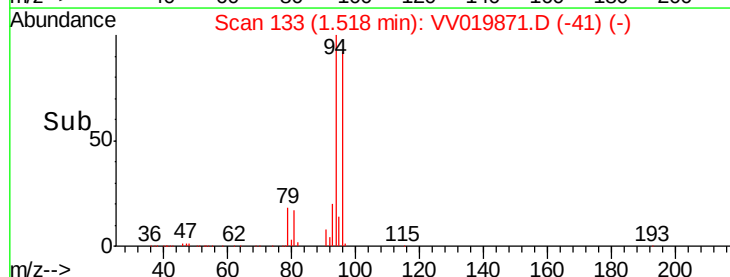
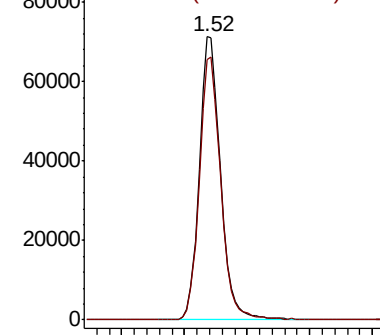
94 100

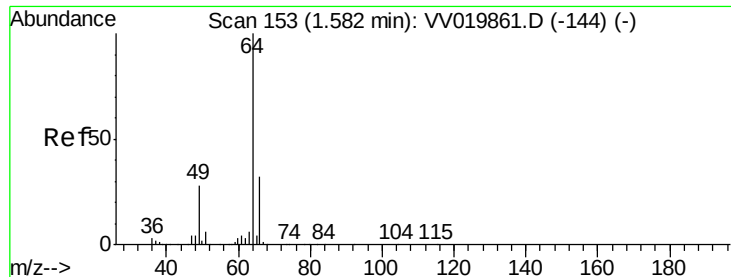
96 91.9 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

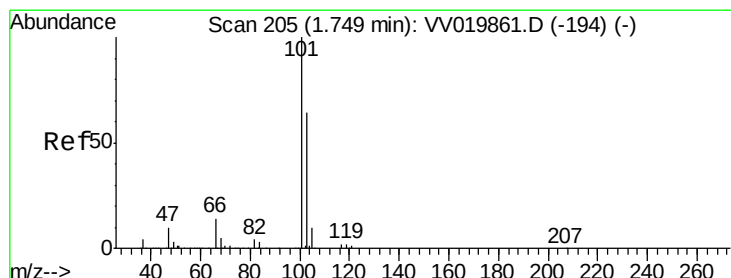
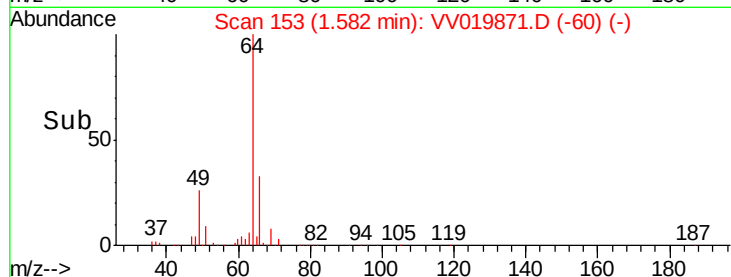
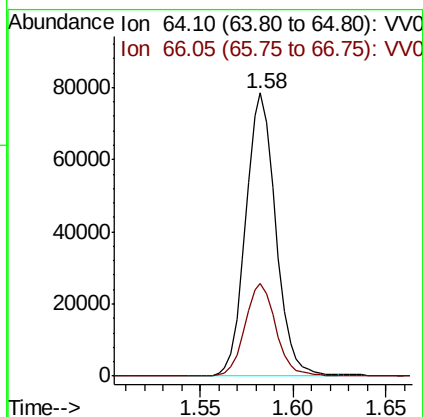
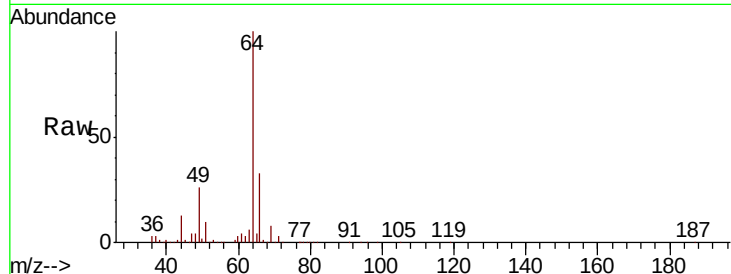




#8
Chloroethane
Concen: 4.753 ug/L
RT: 1.58 min Scan# 153
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

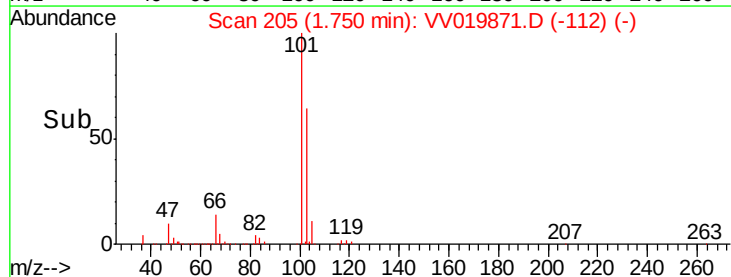
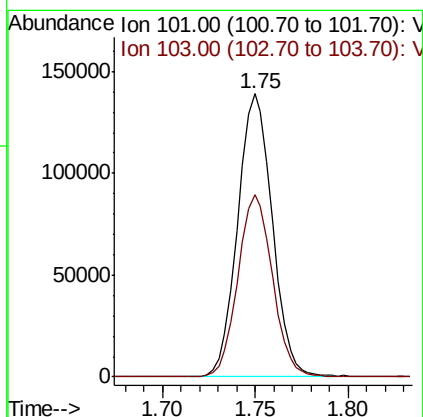
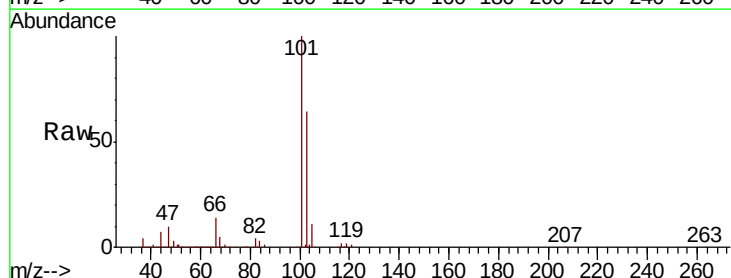
Instrument :
MSVOA_V
ClientSampleId :

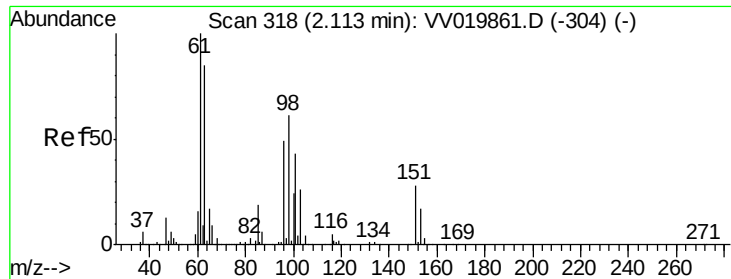
Tot Ion: 64 Resp: 87730
Ion Ratio Lower Upper
64 100
66 32.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.917 ug/L
RT: 1.75 min Scan# 205
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion: 101 Resp: 180343
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8





#10

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

Concen: 5.149 ug/L

RT: 2.11 min Scan# 318

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

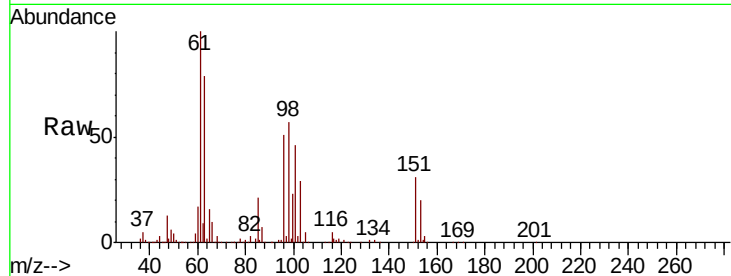
Tot Ion:101 Resp: 101603

Ion Ratio Lower Upper

101 100

85 46.3 36.4 54.6

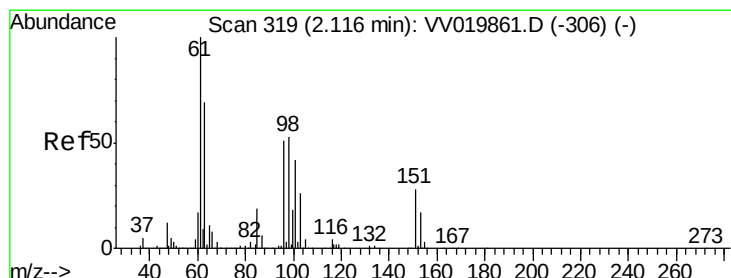
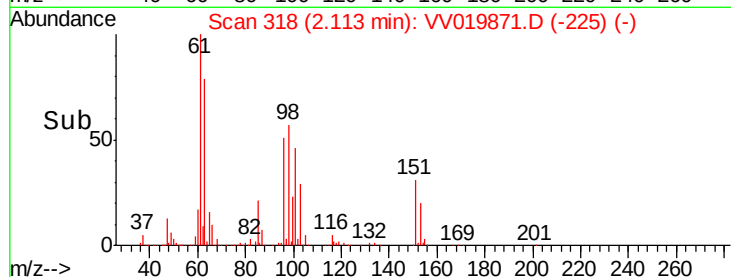
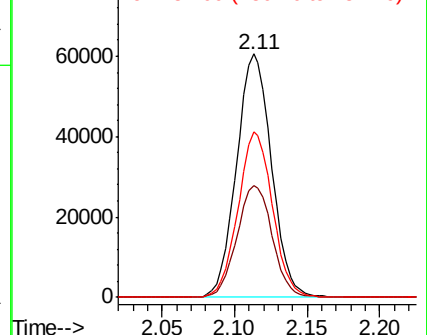
151 66.9 54.1 81.1



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: 4.994 ug/L

RT: 2.12 min Scan# 319

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

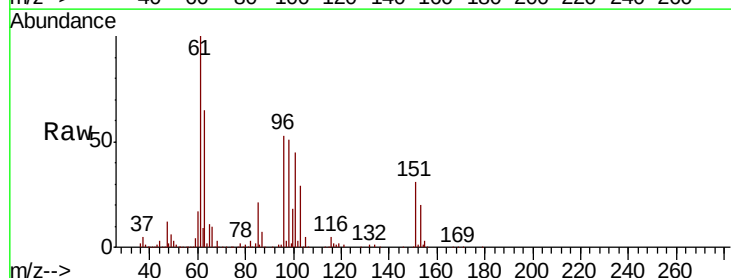
Tgt Ion: 96 Resp: 100692

Ion Ratio Lower Upper

96 100

61 189.1 131.5 244.1

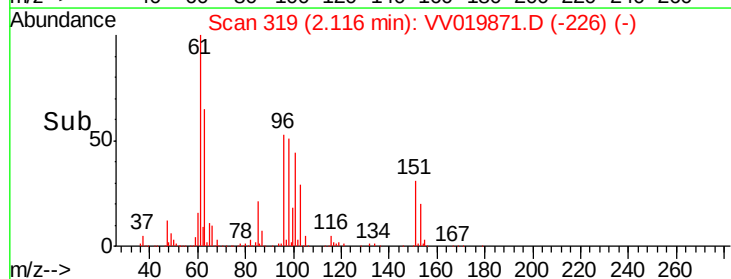
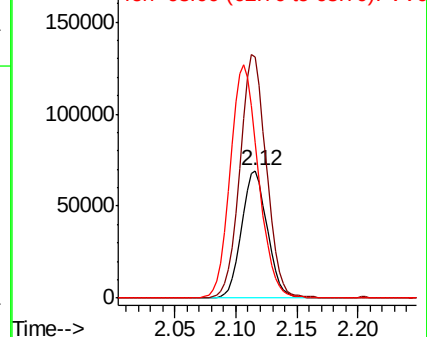
63 122.1 95.2 176.8

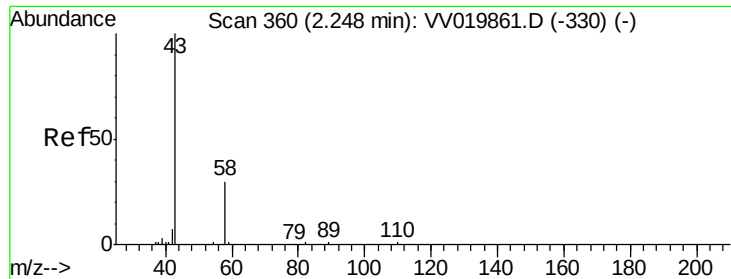


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.956 ug/L

RT: 2.26 min Scan# 363

Delta R.T. 0.01 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

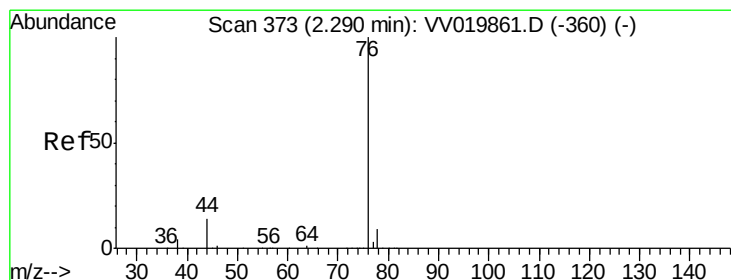
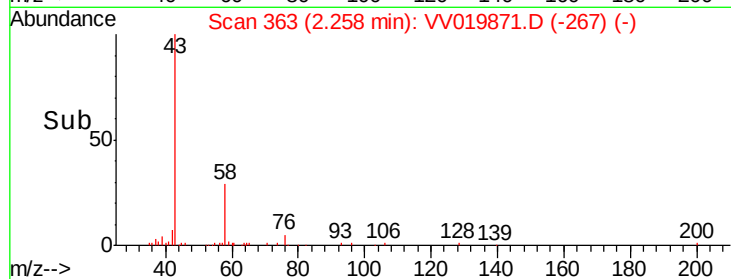
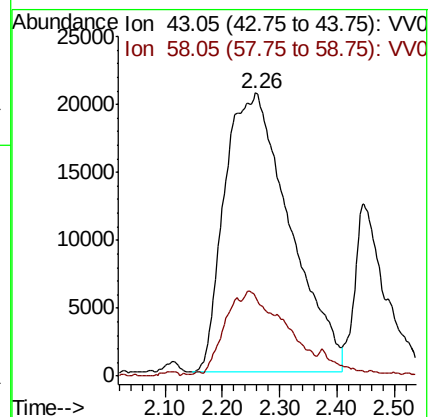
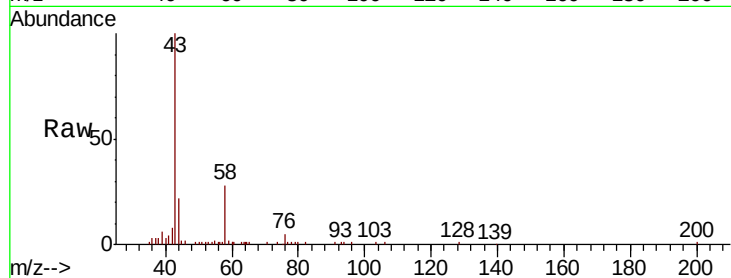
ClientSampleId :

Tot Ion: 43 Resp: 162183

Ion Ratio Lower Upper

43 100

58 7.6 0.0 31.4



#14

Carbon disulfide

Concen: 4.689 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VV019871.D

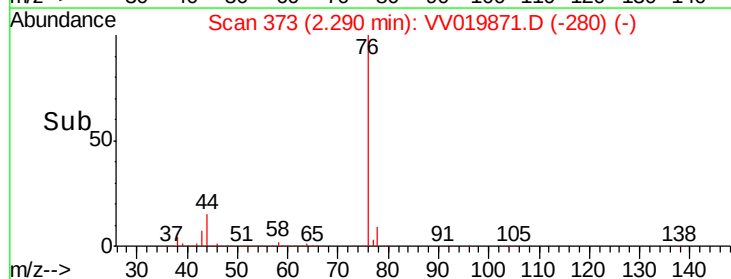
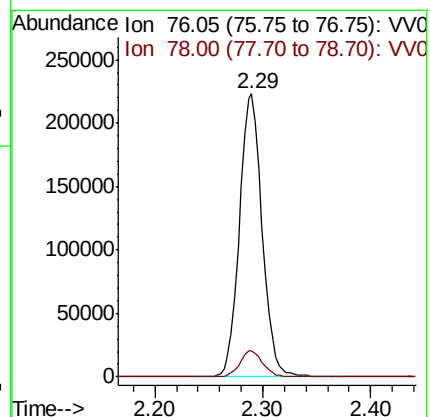
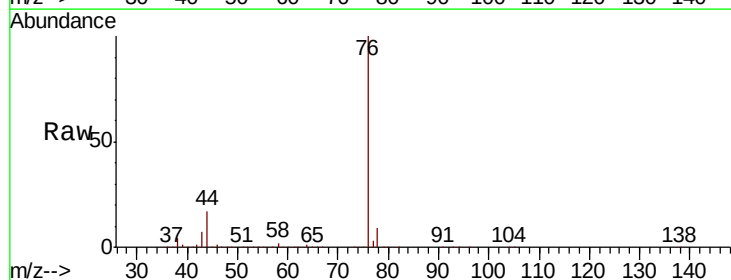
Acq: 30 Dec 2020 09:57

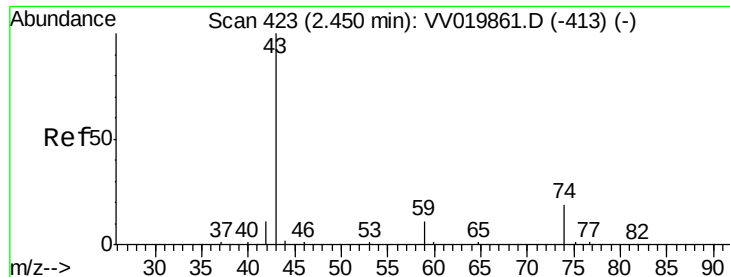
Tgt Ion: 76 Resp: 327393

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

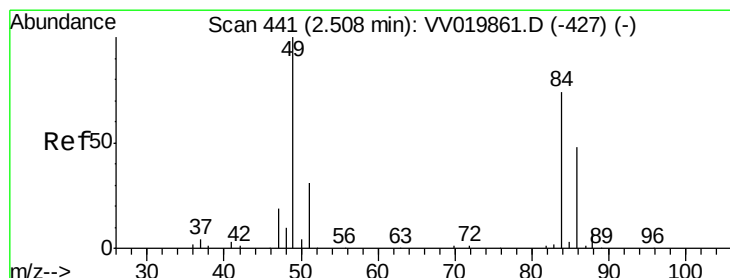
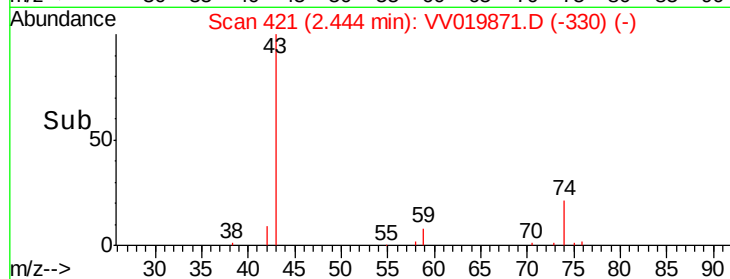
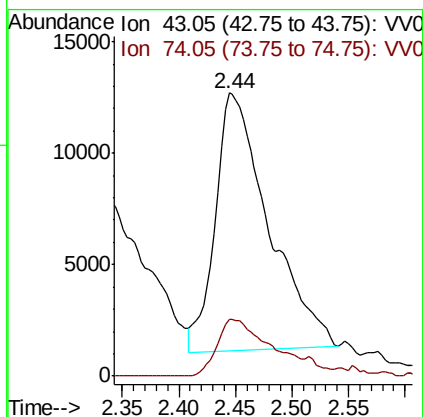
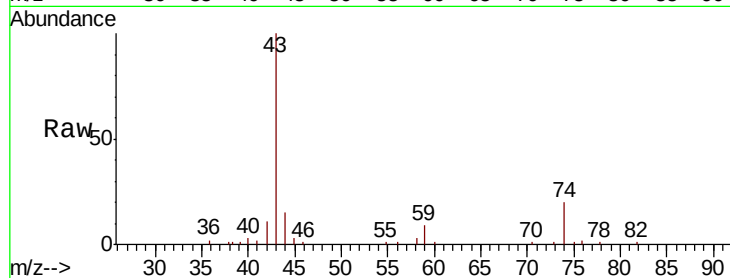




#15
Methvl Acetate
Concen: 4.581 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

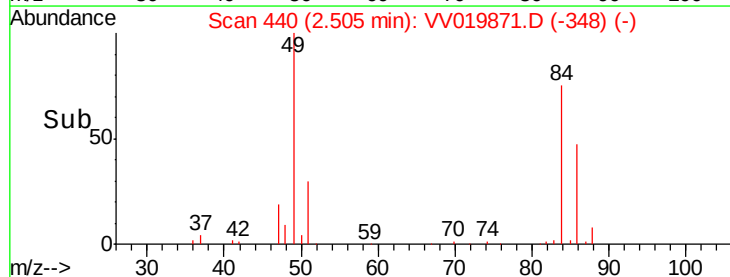
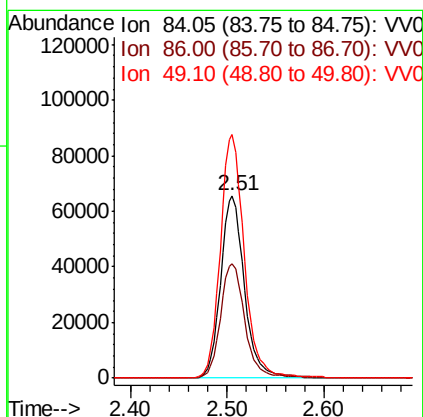
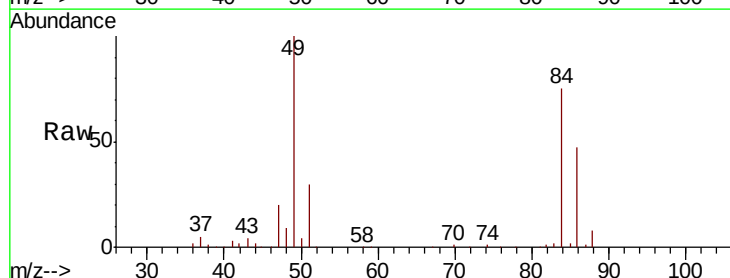
Instrument :
MSVOA_V
ClientSampled :

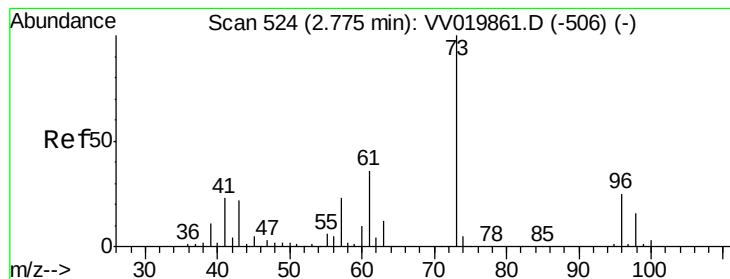
Tot Ion: 43 Resp: 37908
Ion Ratio Lower Upper
43 100
74 21.6 10.6 16.0#



#16
Methylene chloride
Concen: 4.585 ug/L
RT: 2.51 min Scan# 440
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion: 84 Resp: 112567
Ion Ratio Lower Upper
84 100
86 62.6 42.8 79.4
49 133.3 93.9 174.3



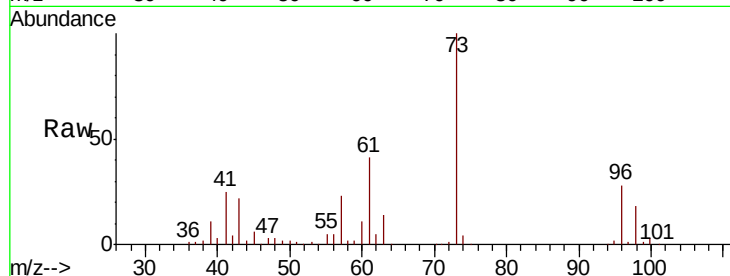


#17

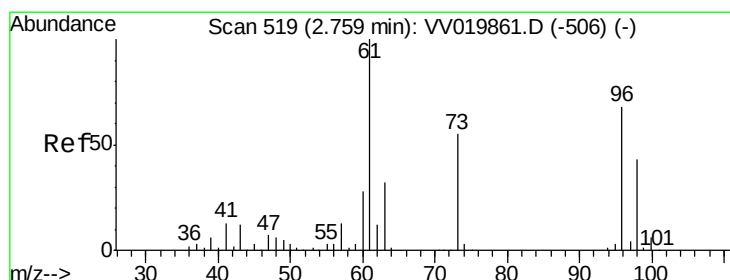
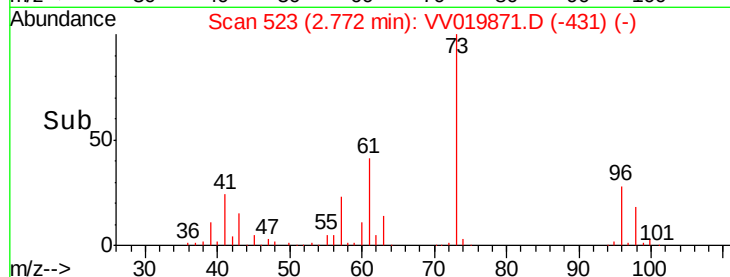
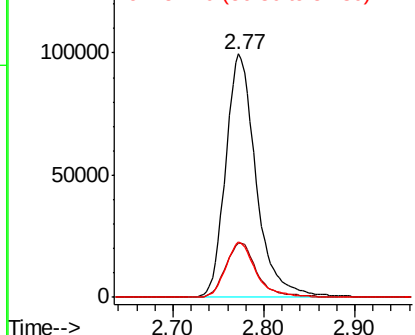
Methyl tert-butyl Ether
 Concen: 4.587 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 73 Resp: 231296
 Ion Ratio Lower Upper
 73 100
 43 22.8 17.0 25.6
 57 22.7 18.2 27.4



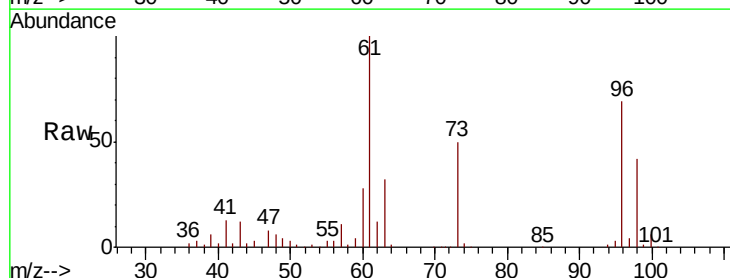
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



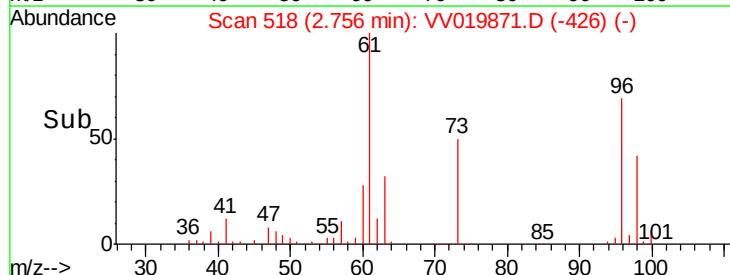
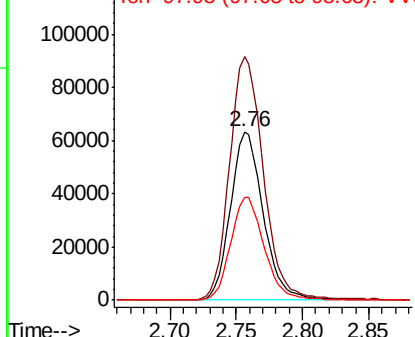
#18

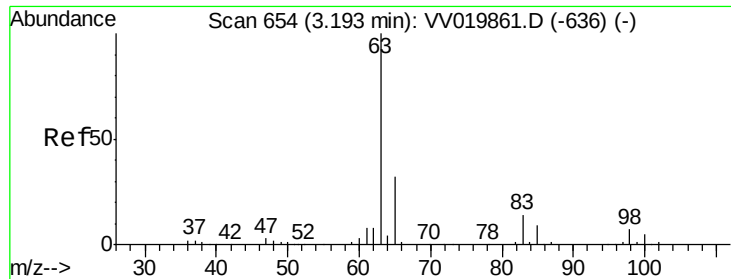
trans-1,2-Dichloroethene
 Concen: 4.774 ug/L
 RT: 2.76 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion: 96 Resp: 108712
 Ion Ratio Lower Upper
 96 100
 61 144.4 106.3 197.3
 98 61.1 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

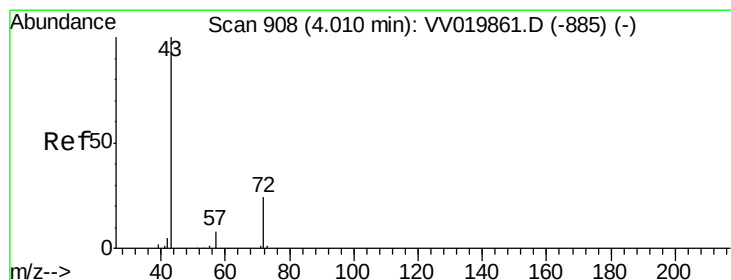
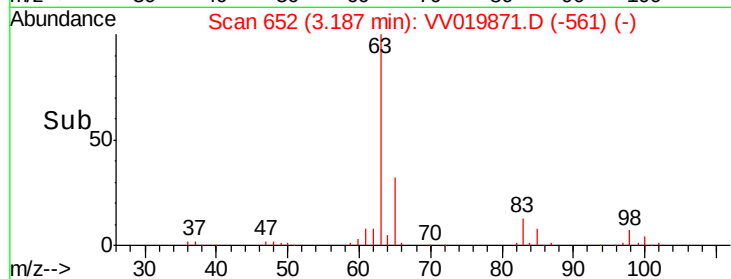
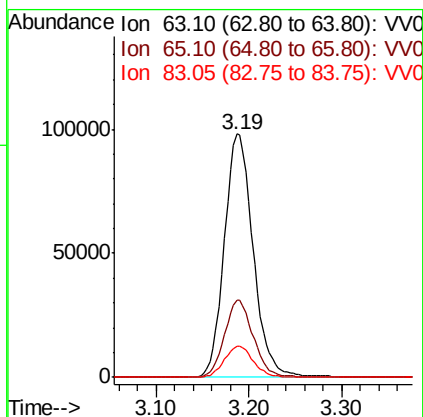
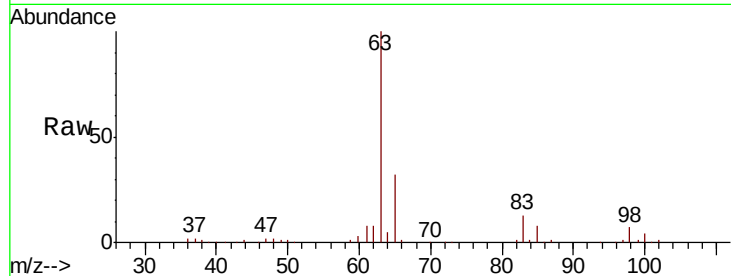




#19
 1,1-Dichloroethane
 Concen: 4.798 ug/L
 RT: 3.19 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

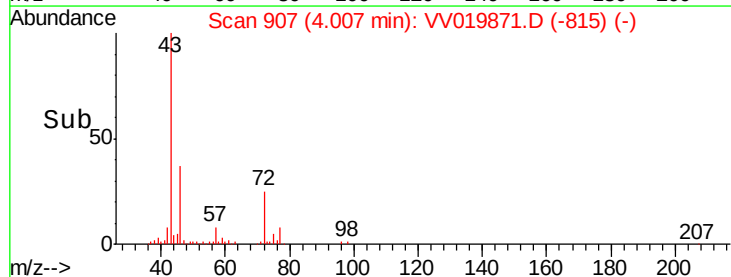
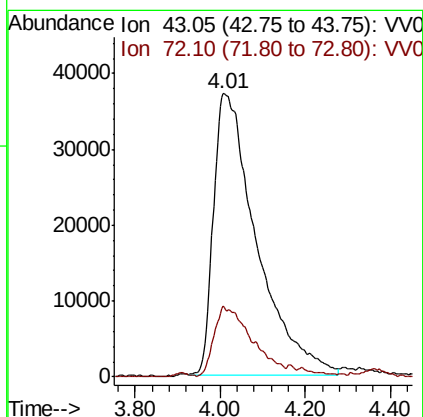
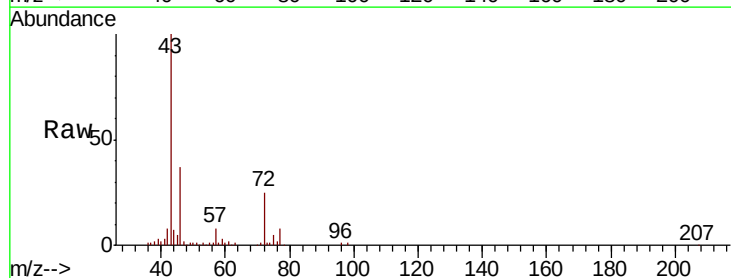
Instrument :
 MSVOA_V
 ClientSampled :

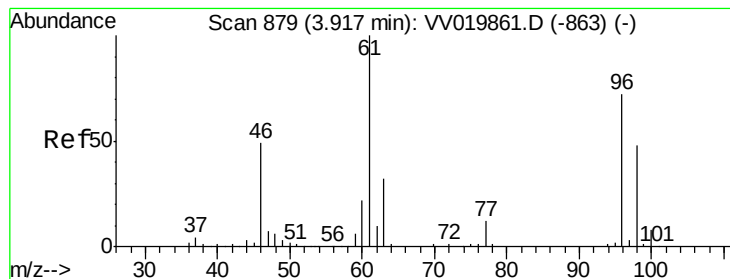
Tot Ion: 63 Resp: 211525
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.6
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 46.606 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion: 43 Resp: 259763
 Ion Ratio Lower Upper
 43 100
 72 7.6 10.9 32.7#



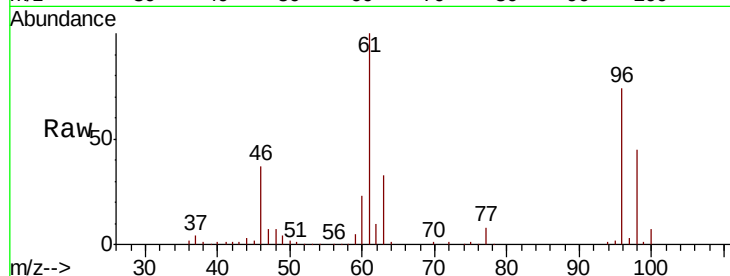


#22

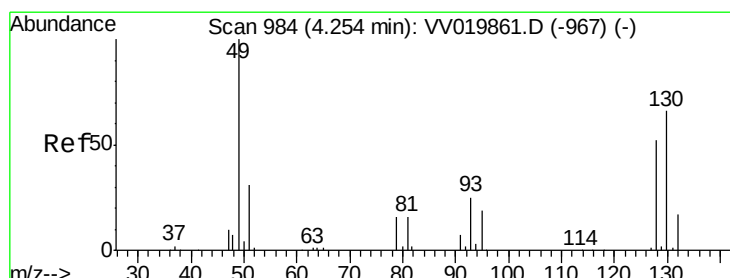
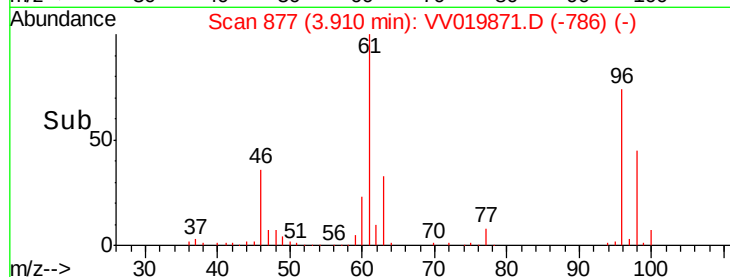
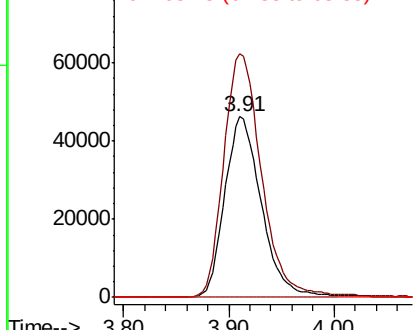
cis-1,2-Dichloroethene
 Concen: 4.695 ug/L
 RT: 3.91 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 111158
 Ion Ratio Lower Upper
 96 100
 61 134.8 98.1 182.3
 68 0.0 0.0 0.0



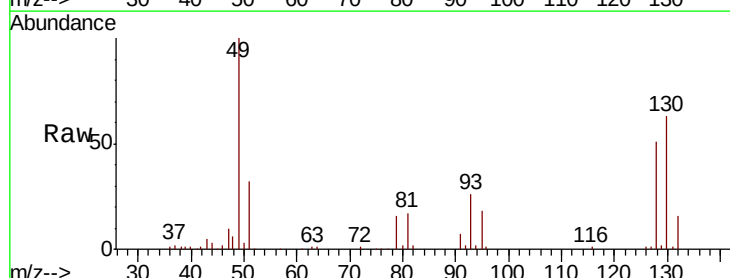
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



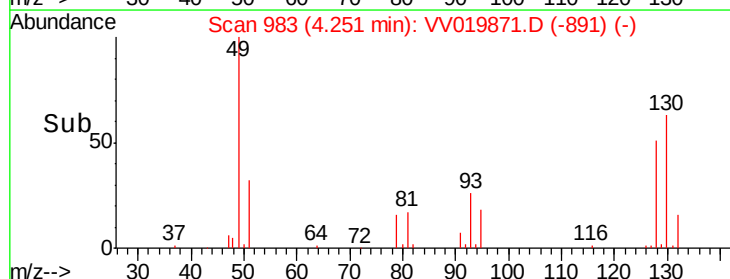
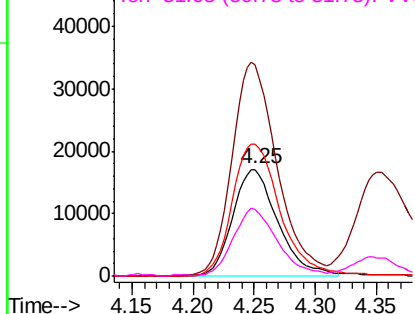
#23

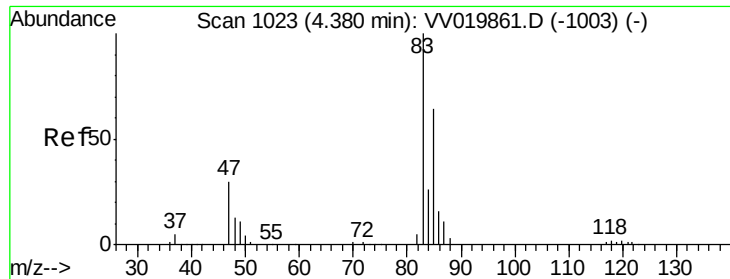
Bromochloromethane
 Concen: 4.628 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion:128 Resp: 43681
 Ion Ratio Lower Upper
 128 100
 49 197.5 132.6 246.2
 130 124.2 86.4 160.4
 51 62.9 48.0 72.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

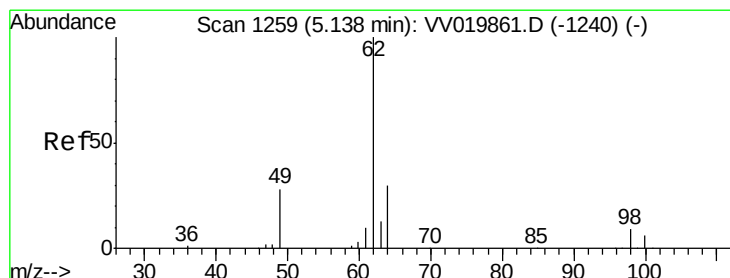
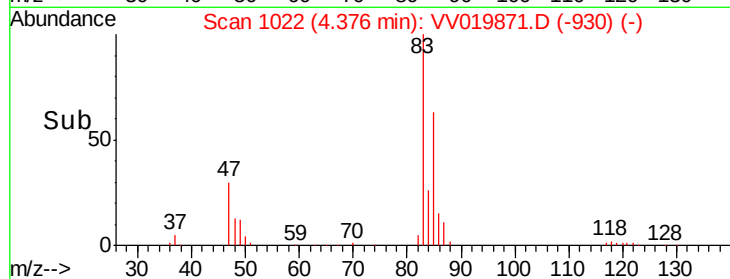
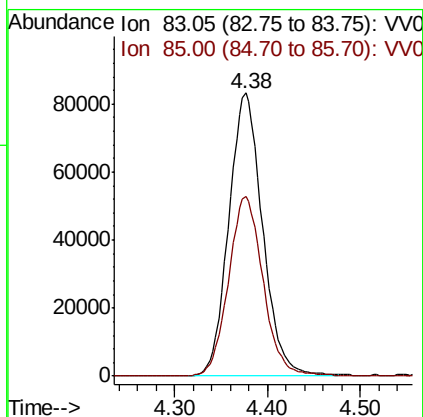
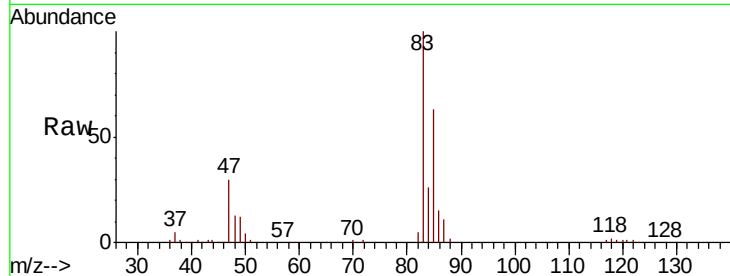




#25
Chloroform
Concen: 4.805 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

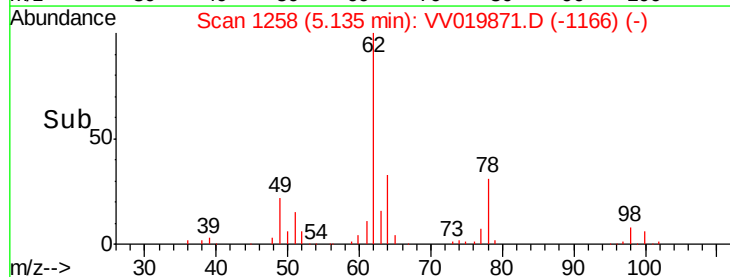
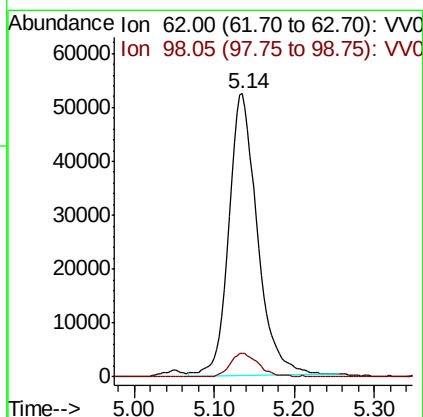
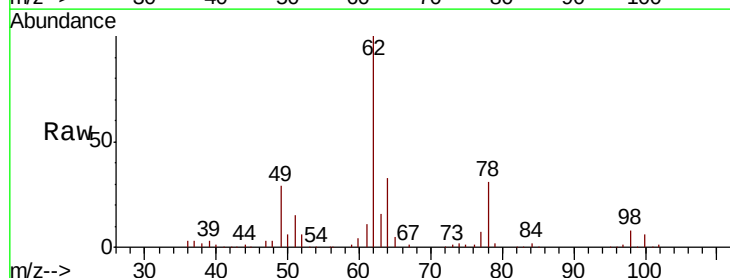
Instrument :
MSVOA_V
ClientSampleId :

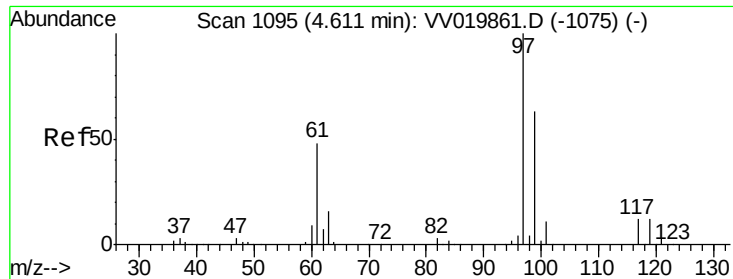
Tot Ion: 83 Resp: 210705
Ion Ratio Lower Upper
83 100
85 63.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.756 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion: 62 Resp: 127050
Ion Ratio Lower Upper
62 100
98 8.3 7.6 11.4

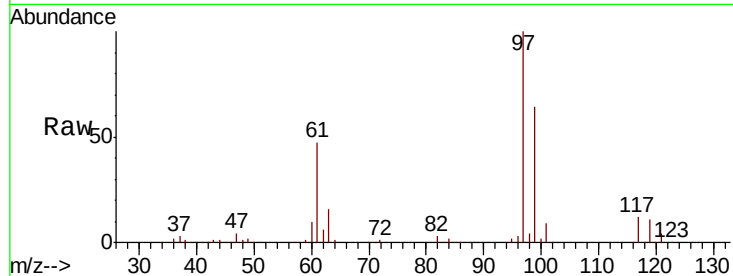




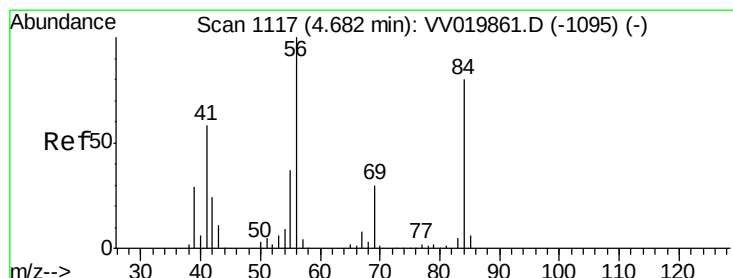
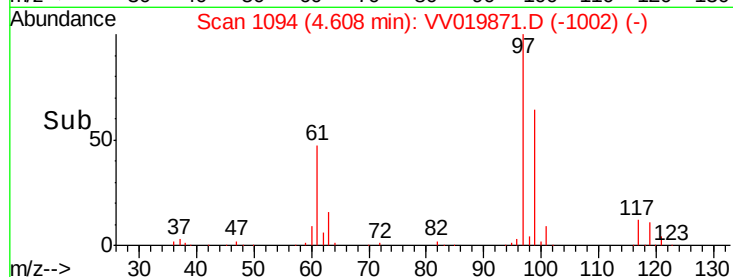
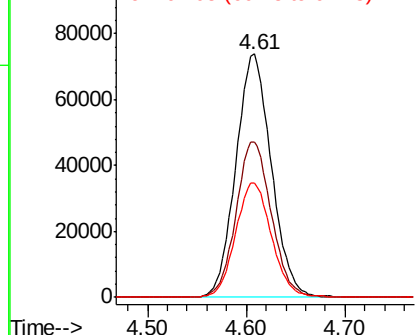
#29
 1,1,1-Trichloroethane
 Concen: 4.928 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 184321
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.1 76.7
 61 47.5 38.6 57.8

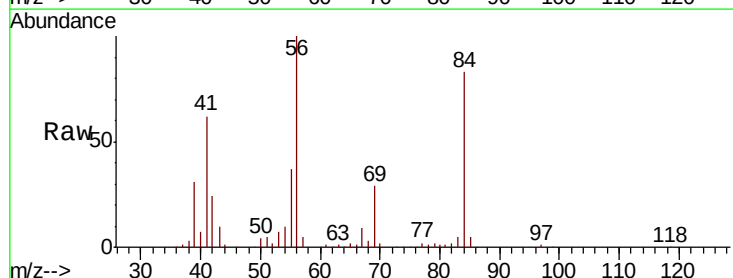


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

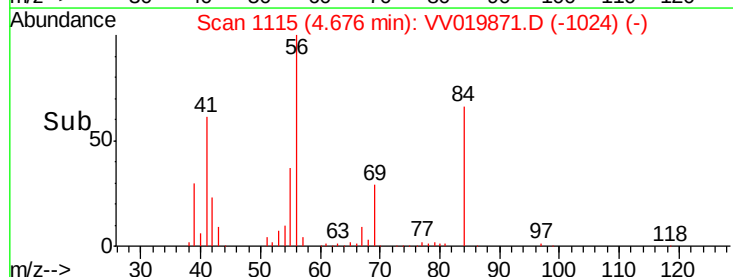
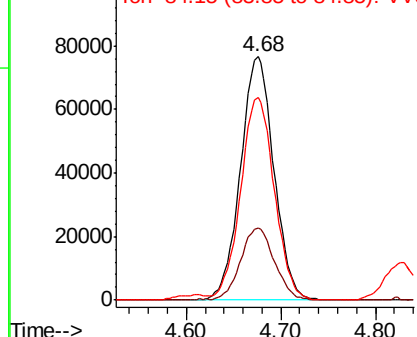


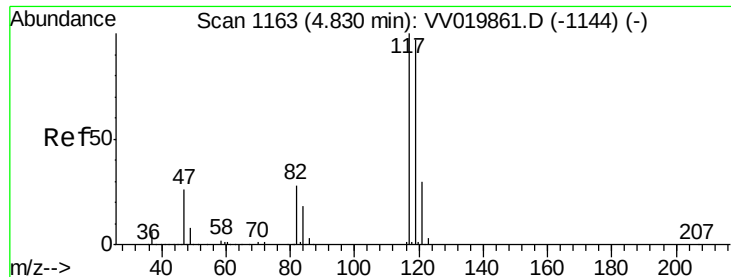
#30
 Cyclohexane
 Concen: 4.999 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. -0.01 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion: 56 Resp: 188119
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.1 36.1
 84 84.1 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

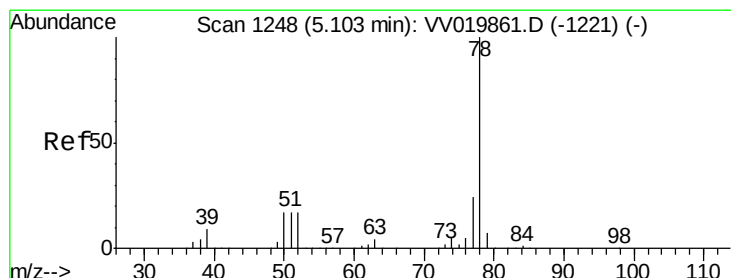
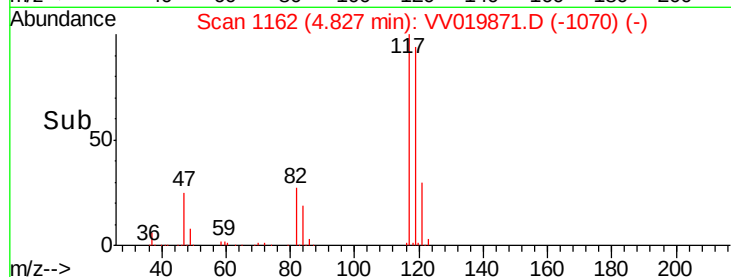
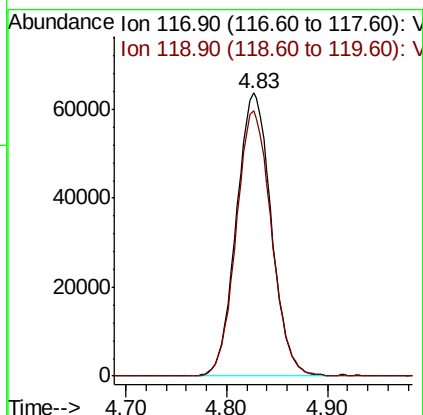
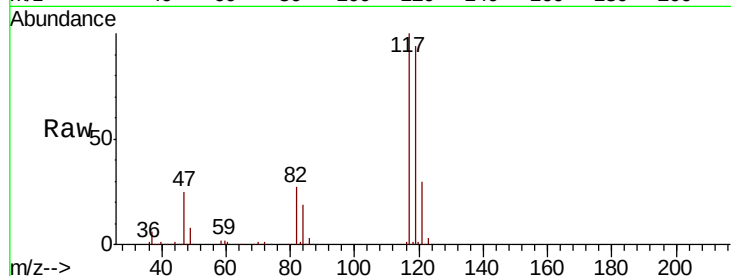




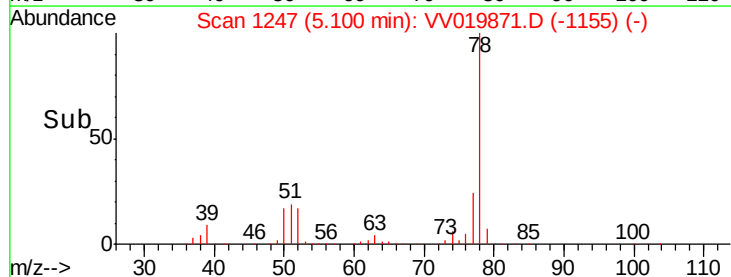
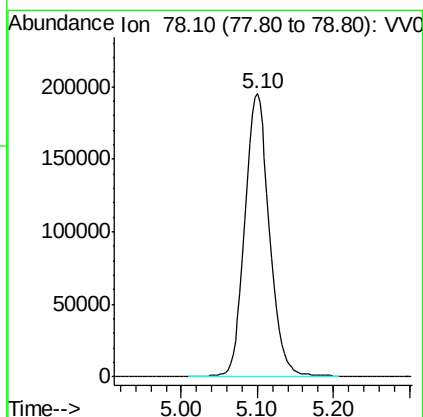
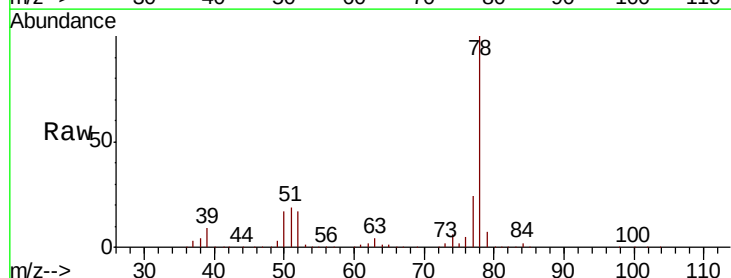
#31
Carbon tetrachloride
Concen: 4.993 ug/L
RT: 4.83 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

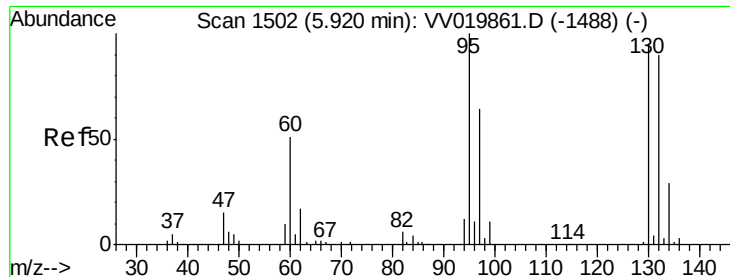
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 152542
Ion Ratio Lower Upper
117 100
119 94.9 76.0 114.0



#33
Benzene
Concen: 4.794 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57
Tgt Ion: 78 Resp: 440190





#34

Trichloroethene

Concen: 4.702 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 115342

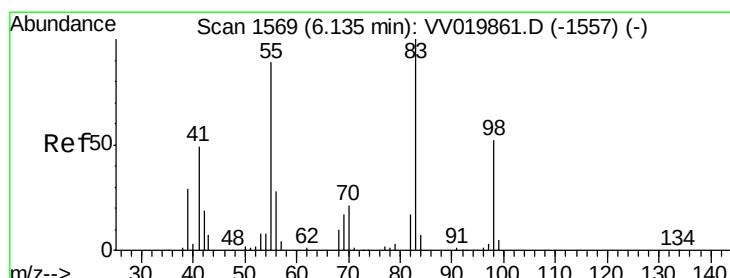
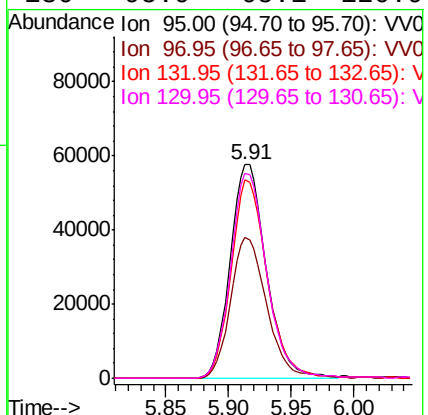
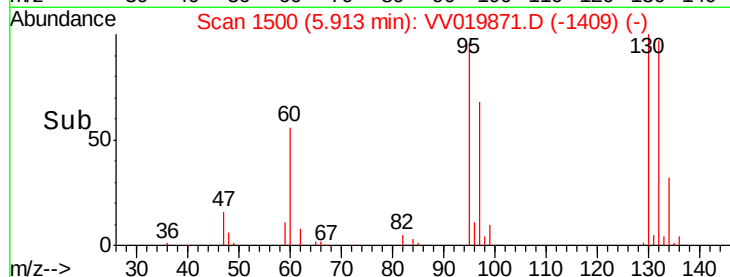
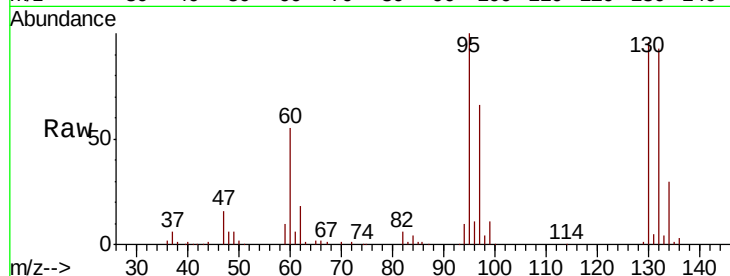
Ion Ratio Lower Upper

95 100

97 65.7 44.1 81.9

132 92.6 61.2 113.8

130 95.9 65.1 120.9



#35

Methylcyclohexane

Concen: 5.163 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

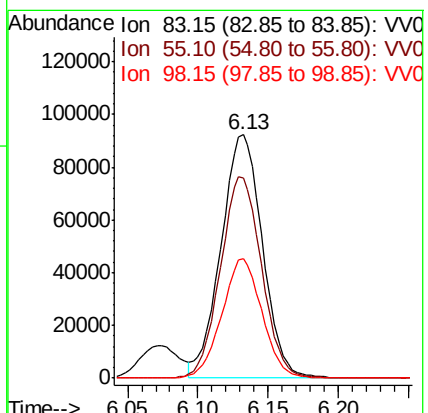
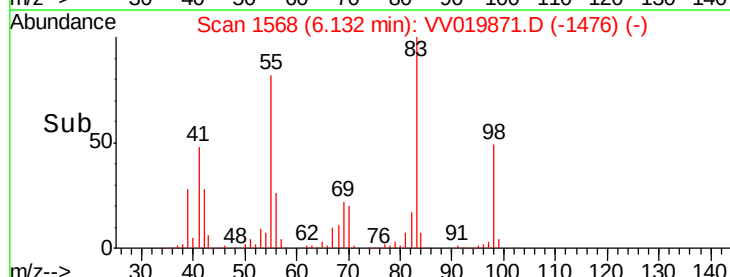
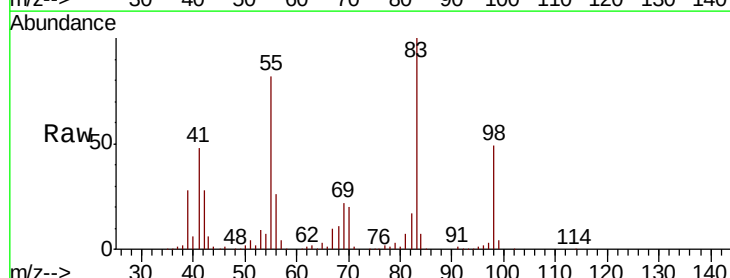
Tgt Ion: 83 Resp: 189460

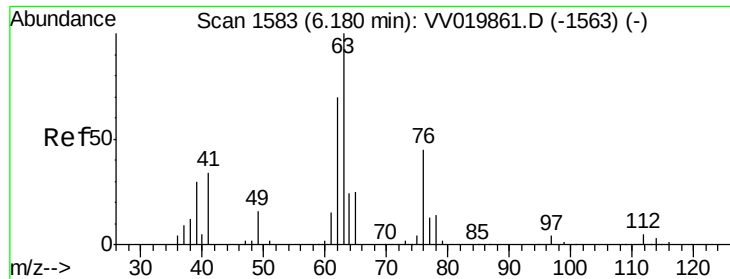
Ion Ratio Lower Upper

83 100

55 81.5 67.5 101.3

98 47.8 38.6 58.0

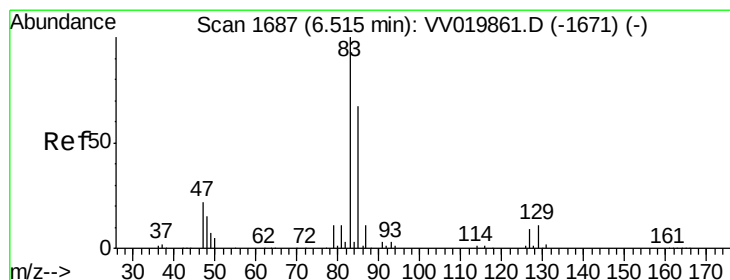
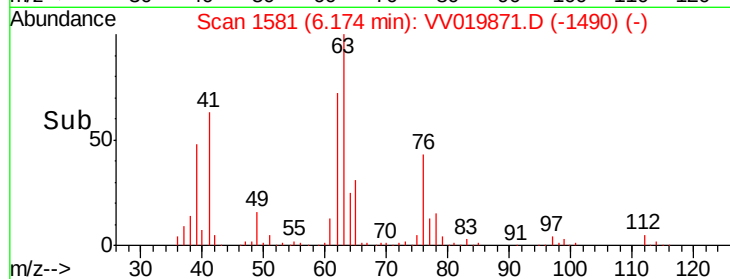
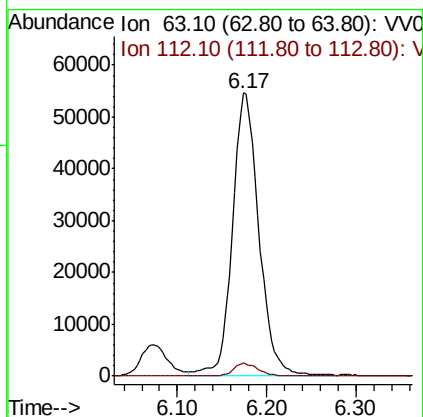
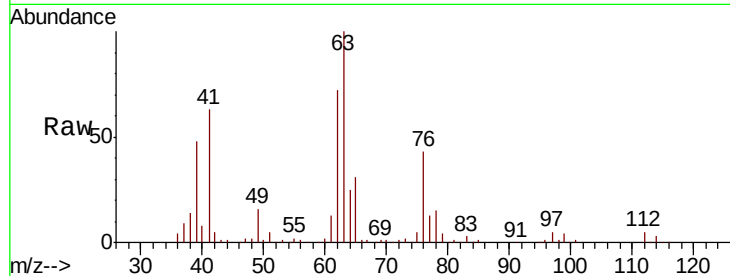




#37
 1,2-Dichloropropane
 Concen: 4.840 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

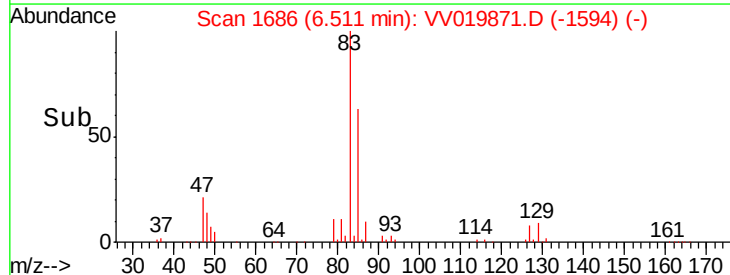
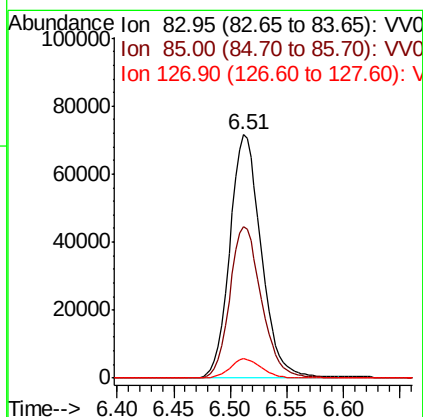
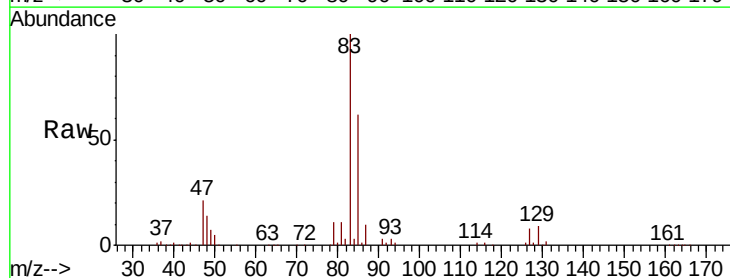
Instrument :
 MSVOA_V
 ClientSampled :

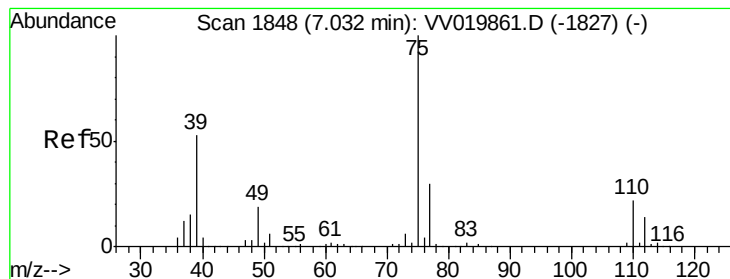
Tot Ion: 63 Resp: 111434
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.876 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion: 83 Resp: 138485
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.9 85.3
 127 8.0 6.2 9.2



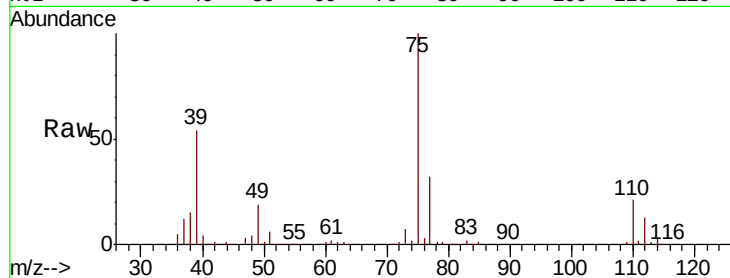


#39

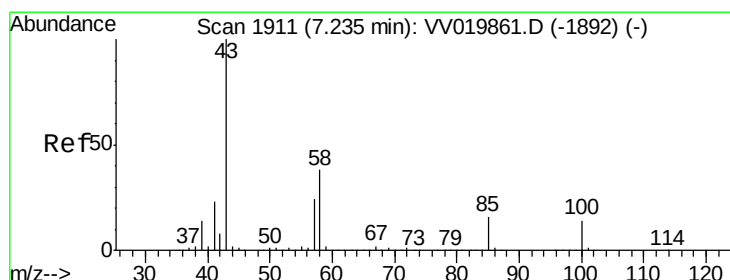
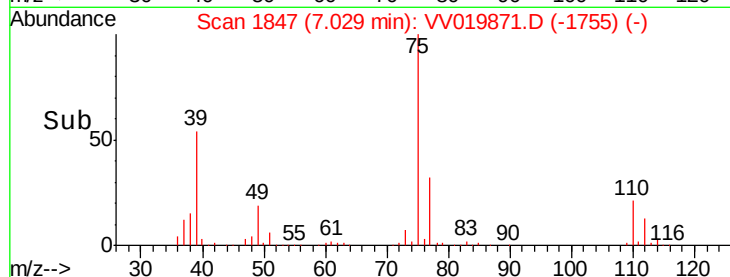
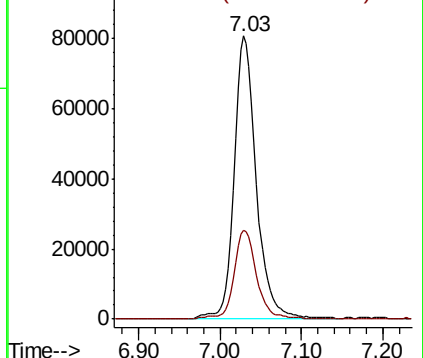
cis-1,3-Dichloropropene
Concen: 4.863 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 153685
Ion Ratio Lower Upper
75 100
77 31.5 21.0 39.0



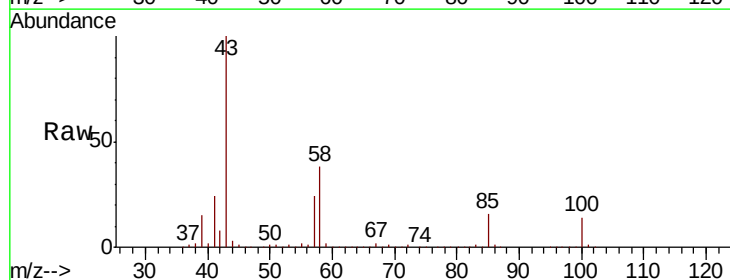
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



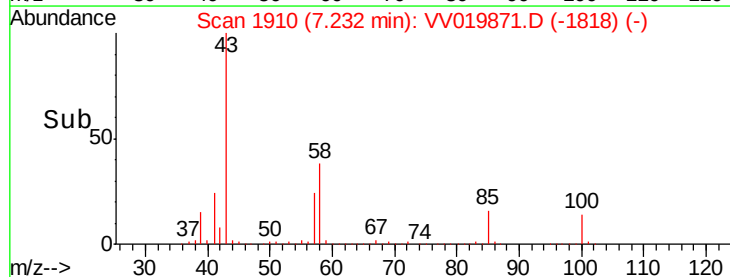
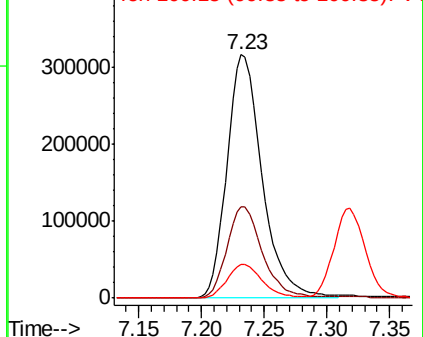
#40

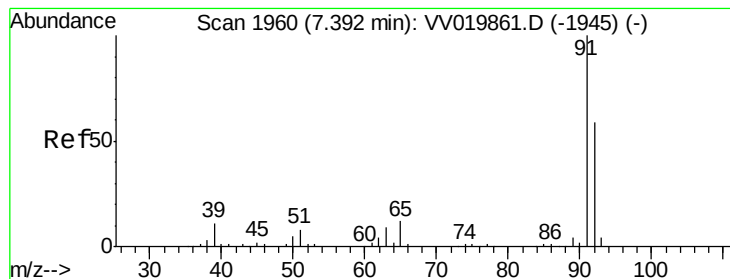
4-Methyl-2-pentanone
Concen: 47.348 ug/L
RT: 7.23 min Scan# 1910
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion: 43 Resp: 615670
Ion Ratio Lower Upper
43 100
58 37.8 30.0 45.0
100 14.0 11.4 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.961 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

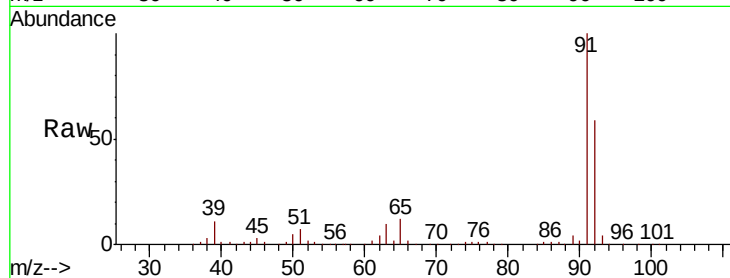
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 462673

Ion Ratio Lower Upper

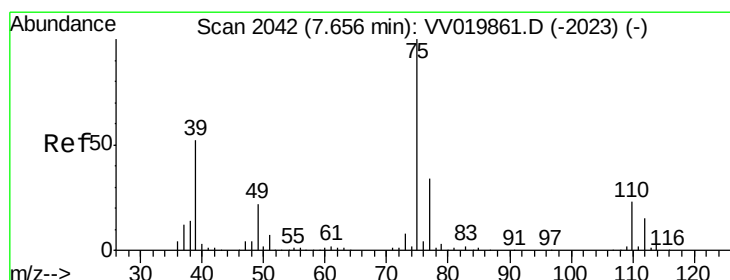
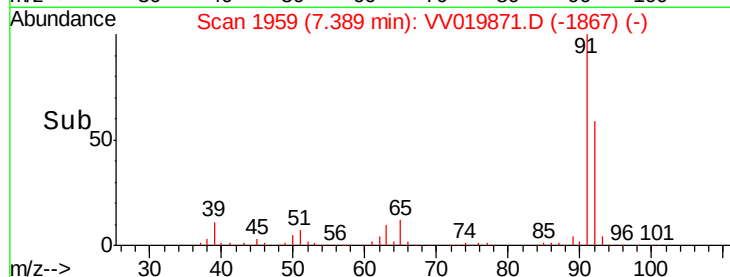
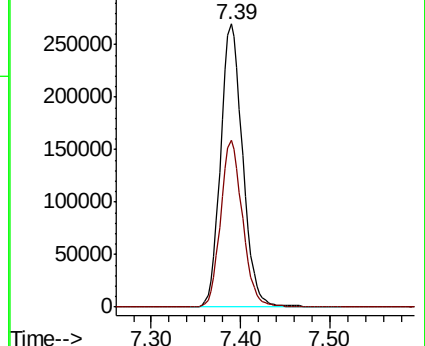
91 100

92 58.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.880 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019871.D

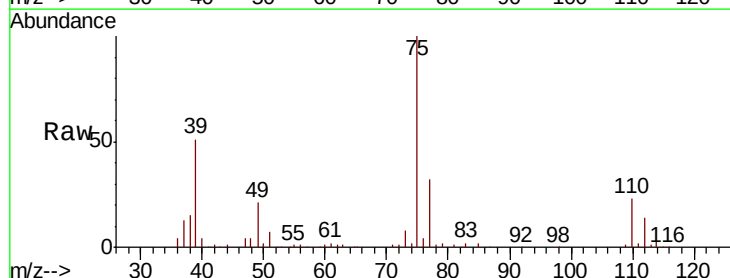
Acq: 30 Dec 2020 09:57

Tgt Ion: 75 Resp: 126331

Ion Ratio Lower Upper

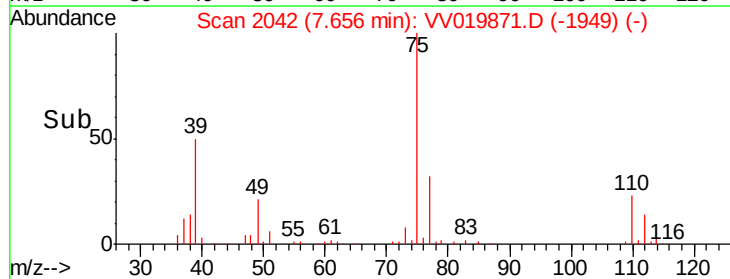
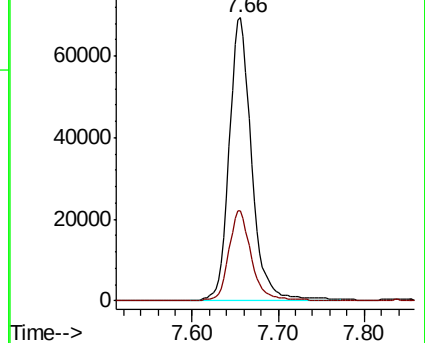
75 100

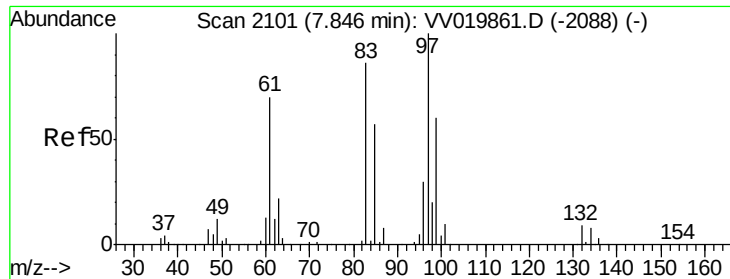
77 31.6 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

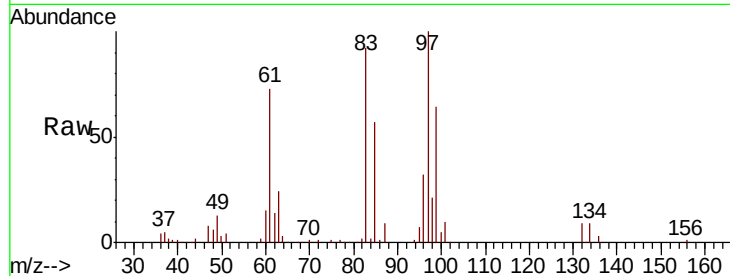




#45
1,1,2-Trichloroethane
Concen: 4.656 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	69328
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.4	78.8
83	92.2	59.4	110.4
85	57.2	39.5	73.3



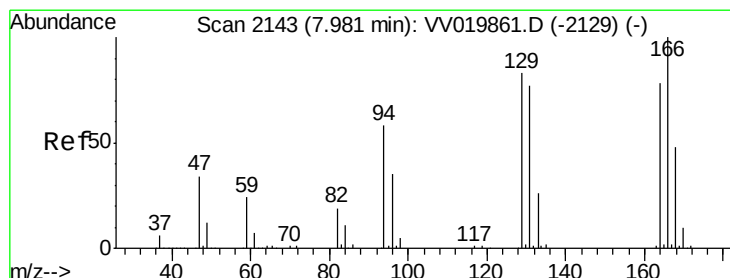
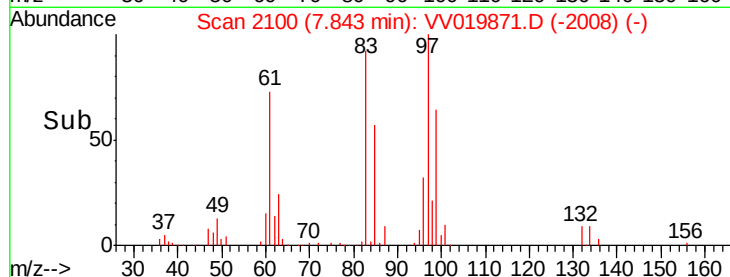
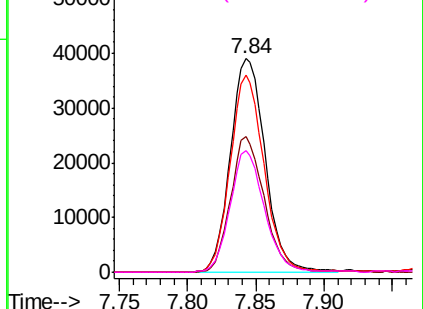
Abundance

Ion 96.95 (96.65 to 97.65): VV019871.D (-2088) (-)

Ion 99.05 (98.75 to 99.75): VV019871.D (-2088) (-)

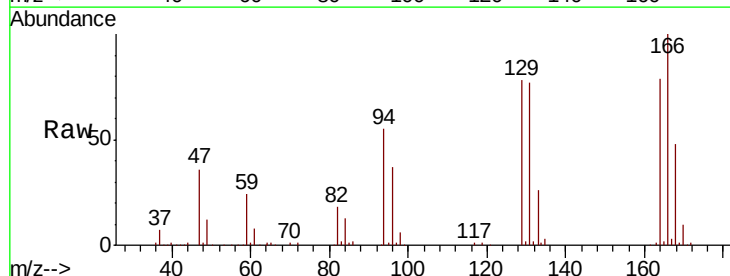
Ion 82.95 (82.65 to 83.65): VV019871.D (-2088) (-)

Ion 85.00 (84.70 to 85.70): VV019871.D (-2088) (-)



#47
Tetrachloroethene
Concen: 4.857 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion:	164	Resp:	80935
Ion	Ratio	Lower	Upper
164	100		
129	97.8	72.1	133.9
131	97.4	68.9	127.9
166	125.8	88.5	164.4



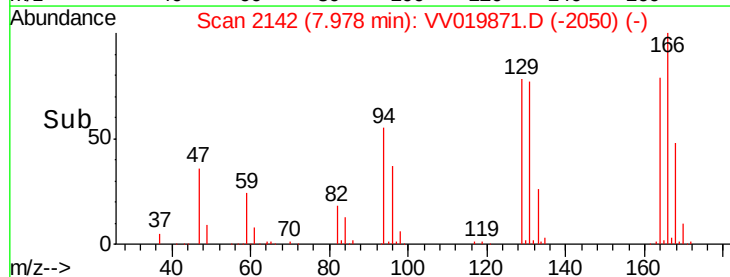
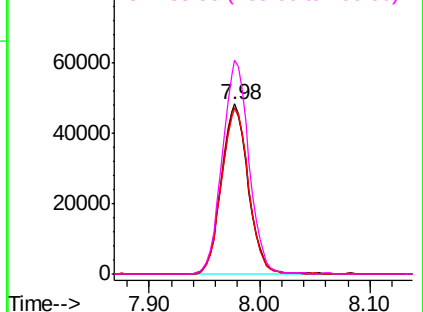
Abundance

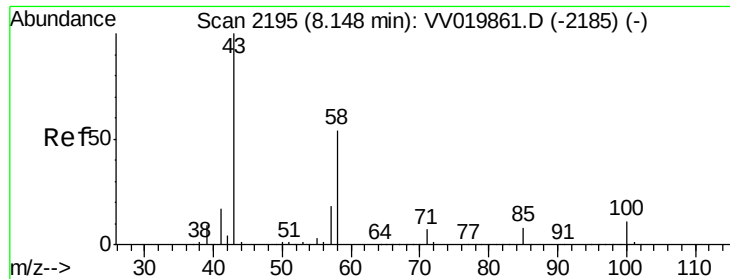
Ion 163.90 (163.60 to 164.60): VV019871.D (-2050) (-)

Ion 128.95 (128.65 to 129.65): VV019871.D (-2050) (-)

Ion 130.95 (130.65 to 131.65): VV019871.D (-2050) (-)

Ion 165.90 (165.60 to 166.60): VV019871.D (-2050) (-)

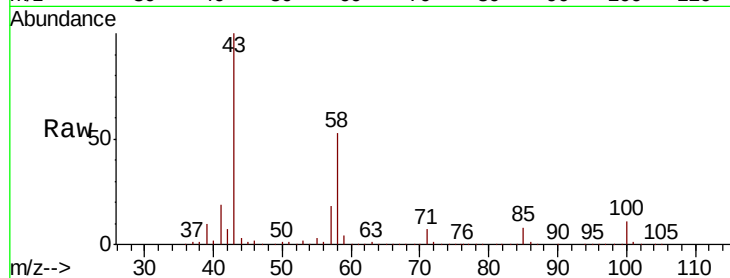




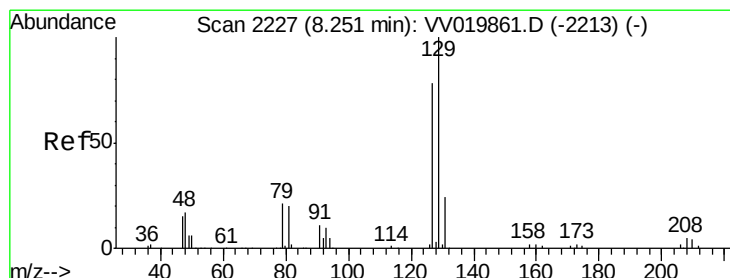
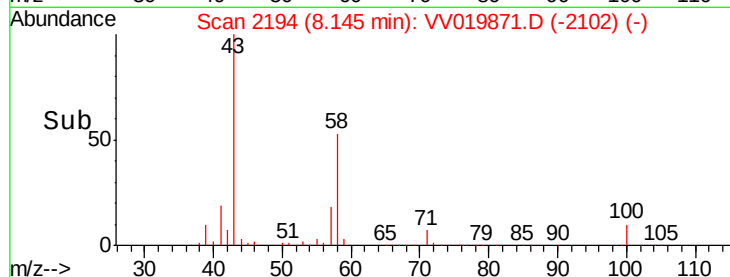
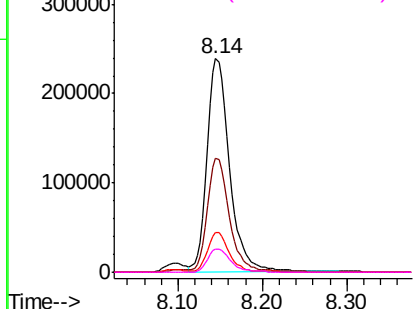
#48
2-Hexanone
Concen: 49.174 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 443196
Ion Ratio Lower Upper
43 100
58 53.0 42.4 63.6
57 17.8 14.8 22.2
100 11.4 9.1 13.7

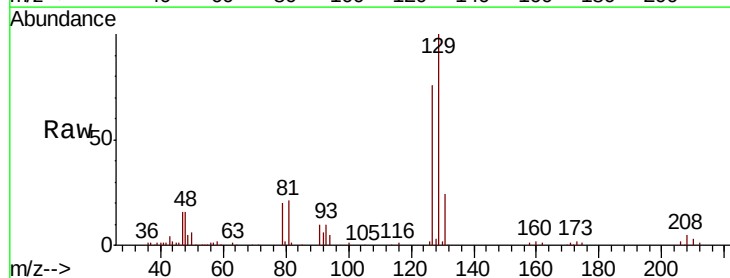


Abundance Ion 43.05 (42.75 to 43.75): VV019871.D (-2102) (-)
Ion 58.05 (57.75 to 58.75): VV019871.D (-2102) (-)
Ion 57.20 (56.90 to 57.90): VV019871.D (-2102) (-)
Ion 100.15 (99.85 to 100.85): VV019871.D (-2102) (-)

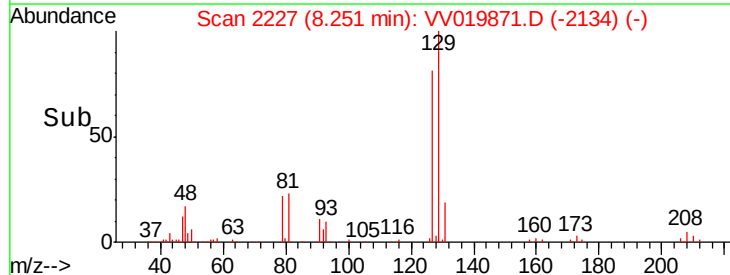
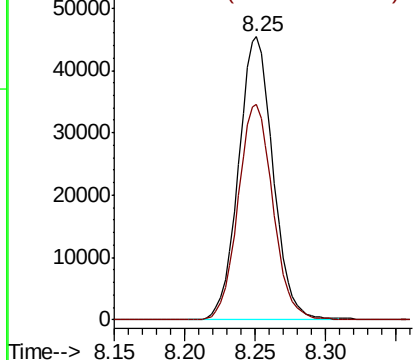


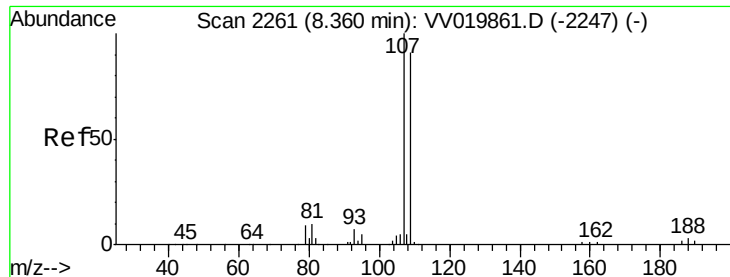
#49
Dibromochloromethane
Concen: 4.844 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion: 129 Resp: 78030
Ion Ratio Lower Upper
129 100
127 76.1 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): VV019871.D (-2134) (-)
Ion 126.90 (126.60 to 127.60): VV019871.D (-2134) (-)

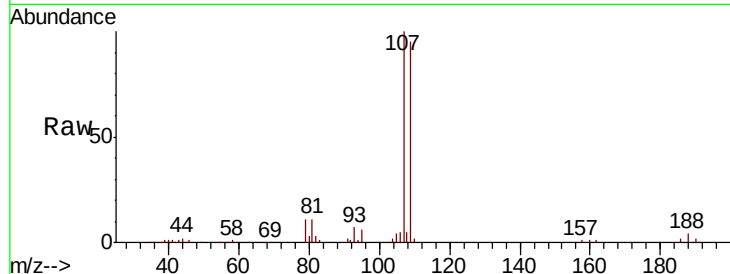




#50
 1,2-Dibromoethane
 Concen: 4.651 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	63.8	118.4
188	3.6	2.5	3.7

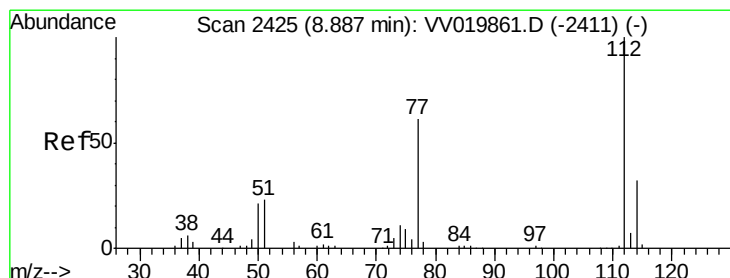
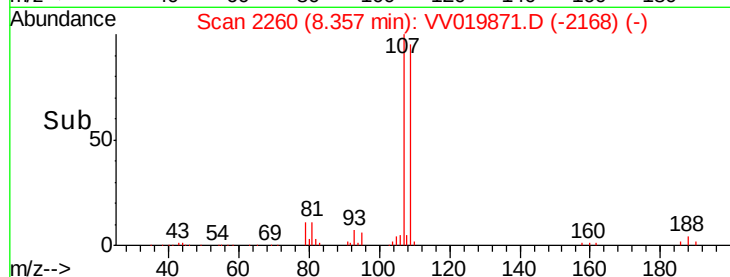
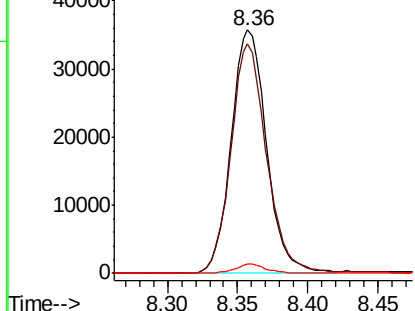


Abundance

Ion 106.95 (106.65 to 107.65): V

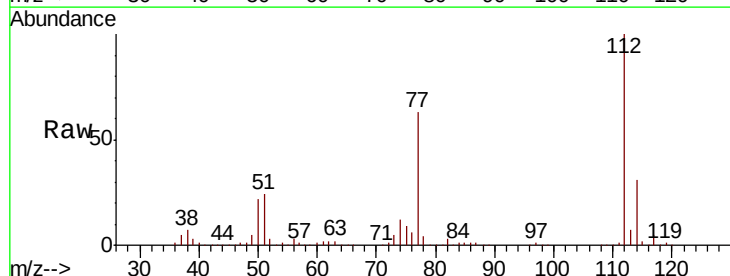
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.837 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.8	40.6
77	62.9	51.0	76.4

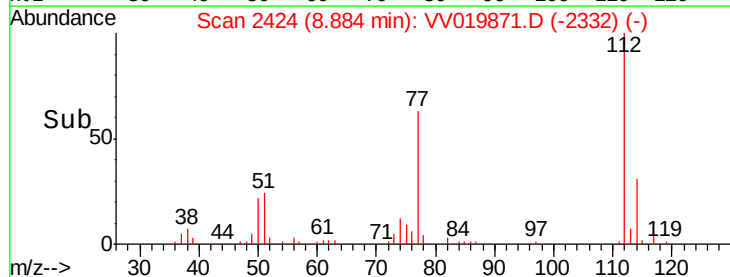
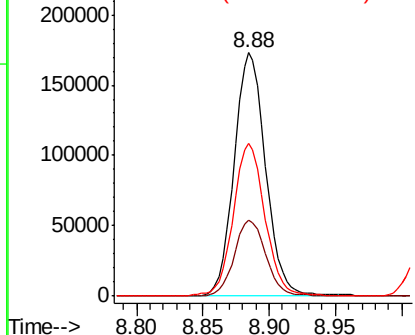


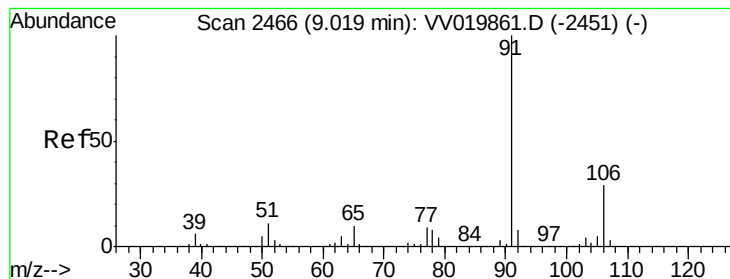
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.990 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :

MSVOA_V

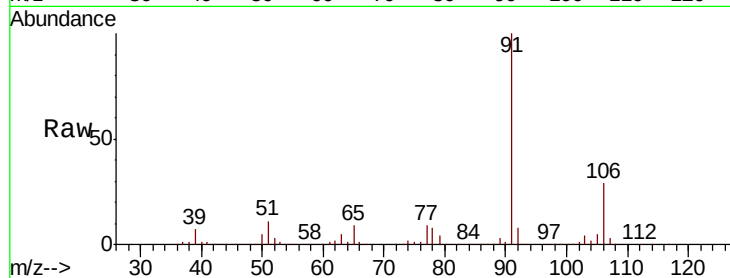
ClientSampled :

Tot Ion: 91 Resp: 515644

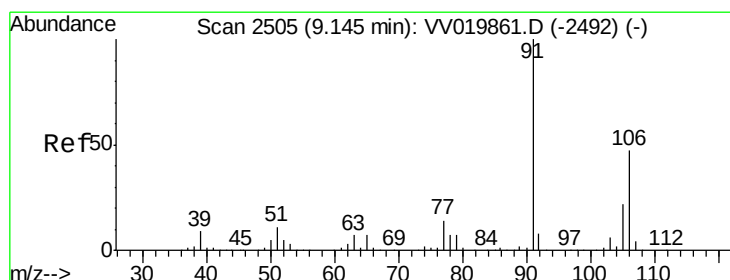
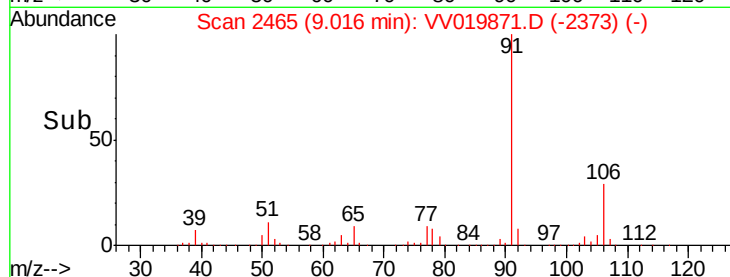
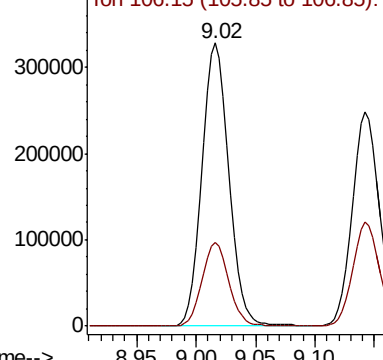
Ion Ratio Lower Upper

91 100

106 29.5 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VV019871.D (-2465) (-)



#53

m,p-xylene

Concen: 4.975 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019871.D

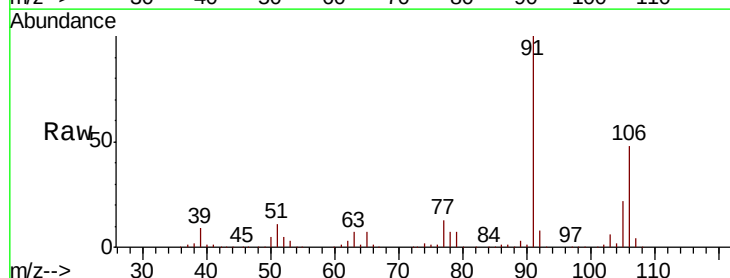
Acq: 30 Dec 2020 09:57

Tgt Ion: 106 Resp: 187889

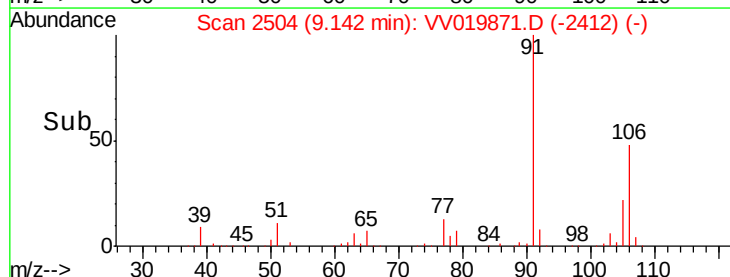
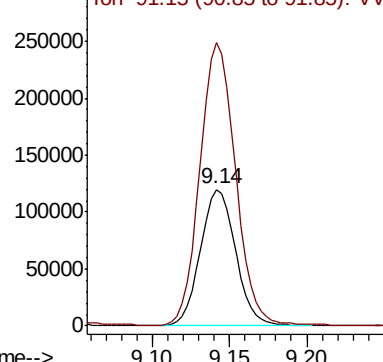
Ion Ratio Lower Upper

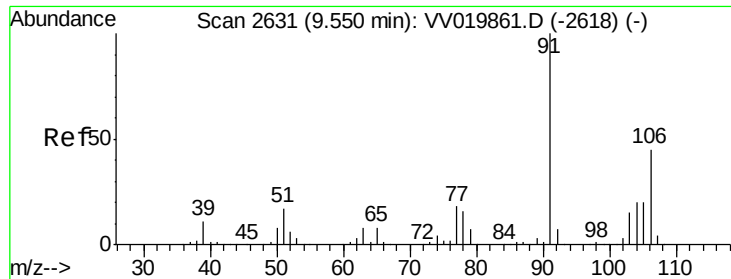
106 100

91 206.9 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): VV019871.D (-2504) (-)

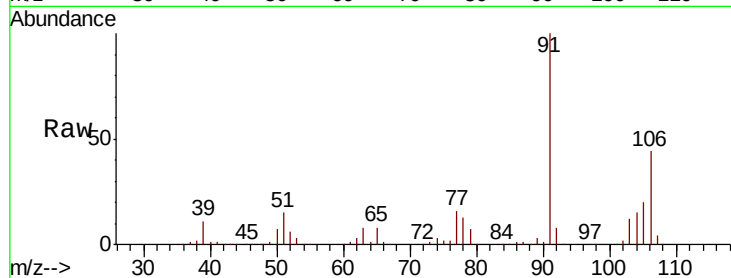




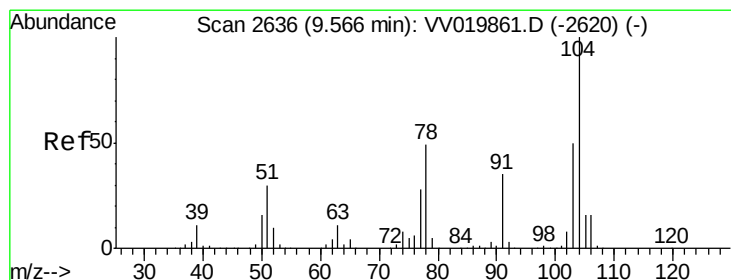
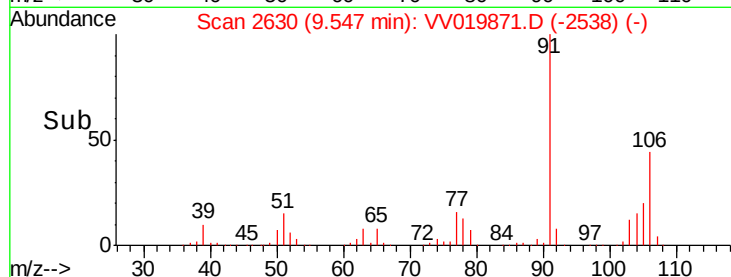
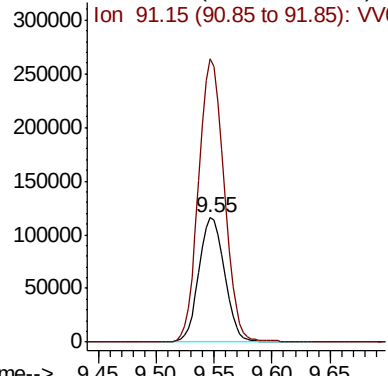
#54
o-xylene
Concen: 4.928 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 178426
Ion Ratio Lower Upper
106 100
91 227.5 155.8 289.3

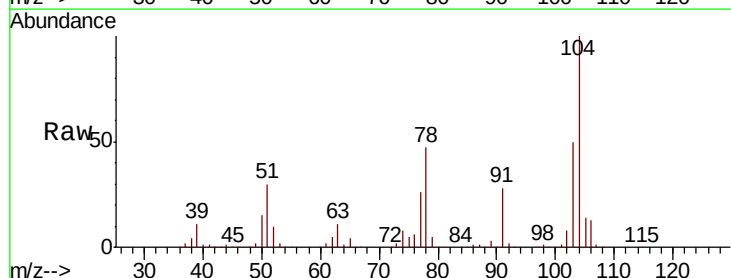


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

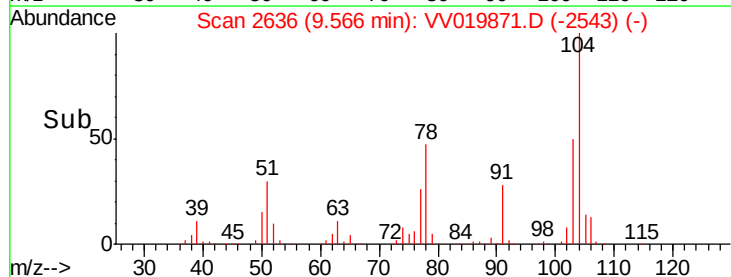
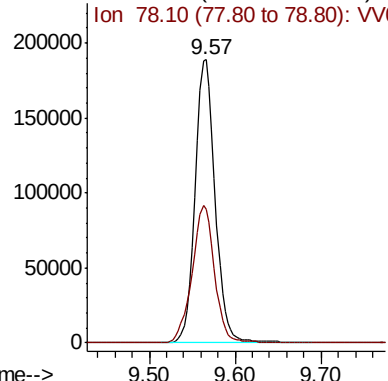


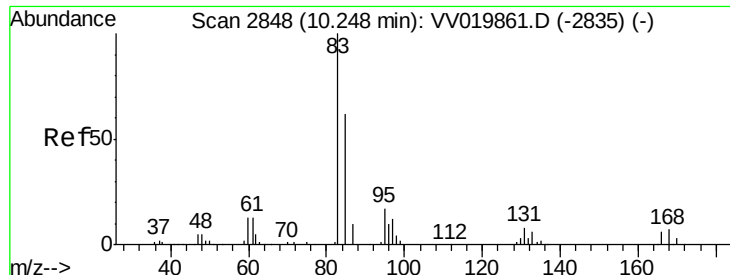
#55
Styrene
Concen: 5.011 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion:104 Resp: 306601
Ion Ratio Lower Upper
104 100
78 47.3 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

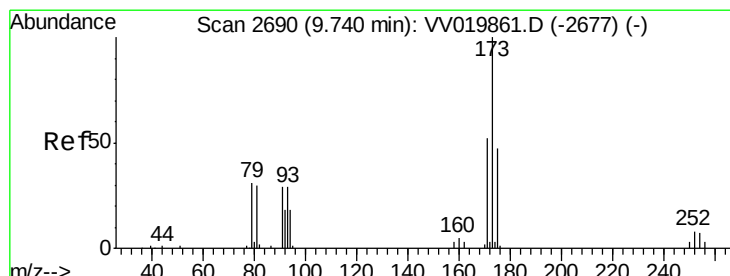
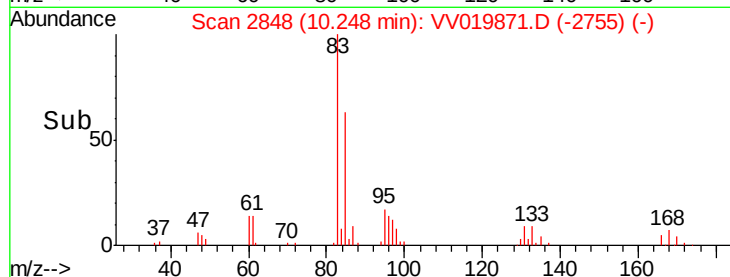
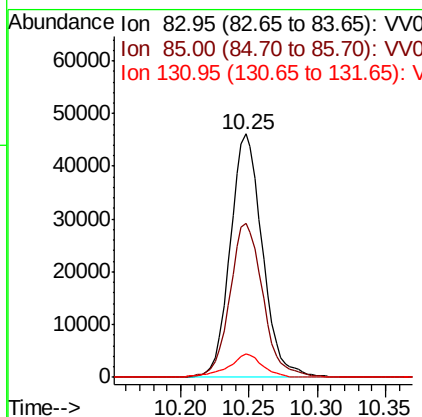
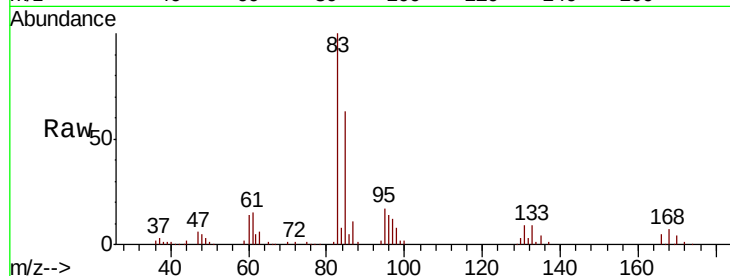




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.791 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

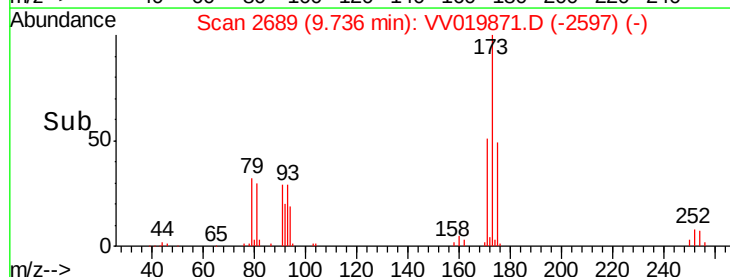
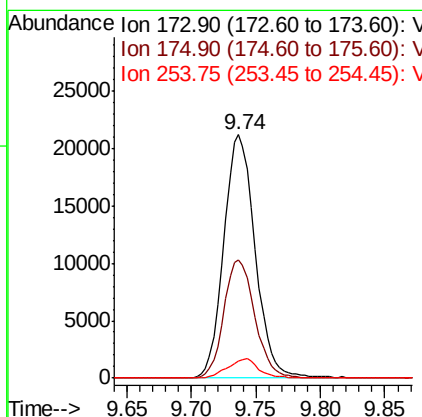
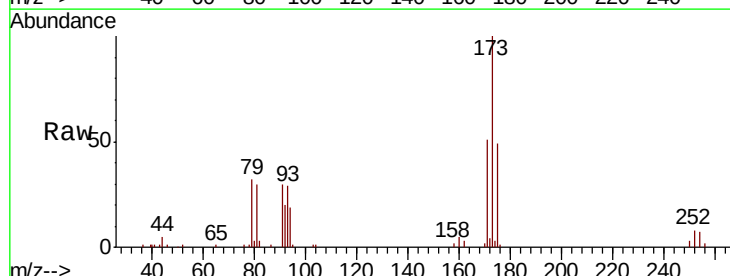
Instrument :
 MSVOA_V
 ClientSampleId :

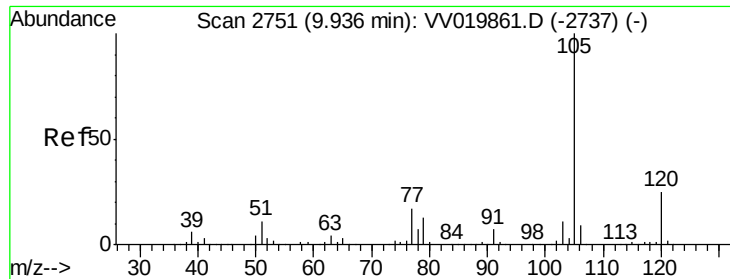
Tot Ion	83	Resp	75516
Ion	Ratio	Lower	Upper
83	100		
85	63.3	44.3	82.3
131	9.5	7.4	11.2



#59
 Bromoform
 Concen: 4.765 ug/L
 RT: 9.74 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion	173	Resp	35779
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.3	57.5
254	7.7	6.4	9.6





#60

Isopropylbenzene

Concen: 4.962 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

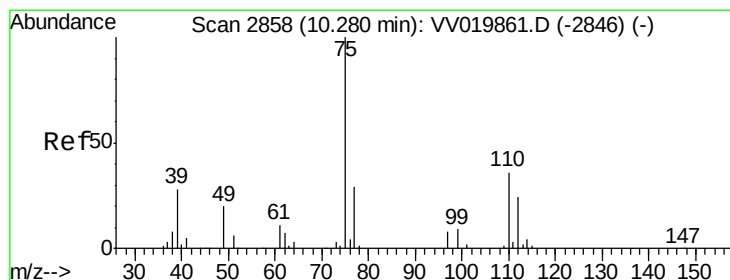
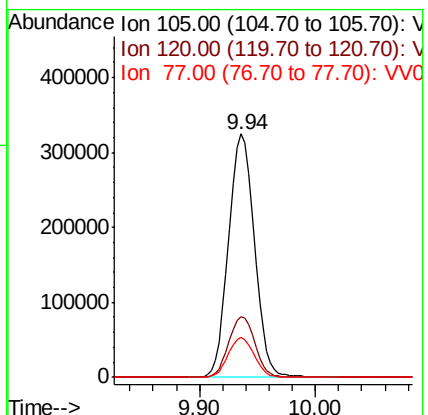
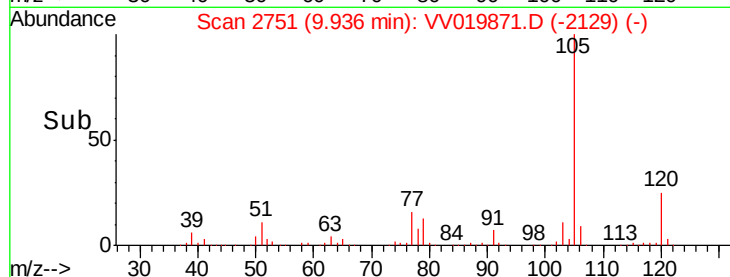
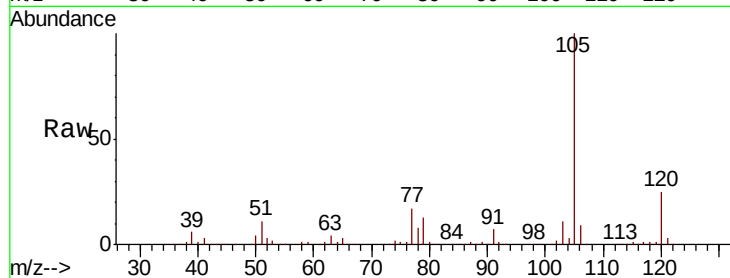
Tot Ion:105 Resp: 499972

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

77 16.5 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 4.587 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019871.D

Acq: 30 Dec 2020 09:57

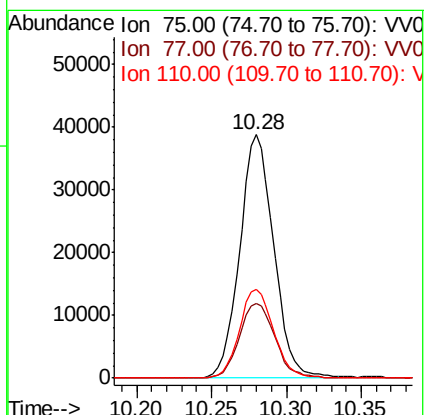
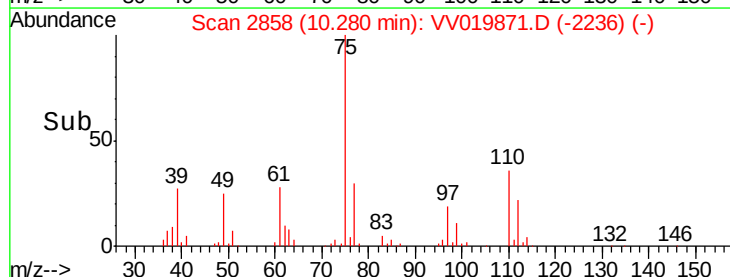
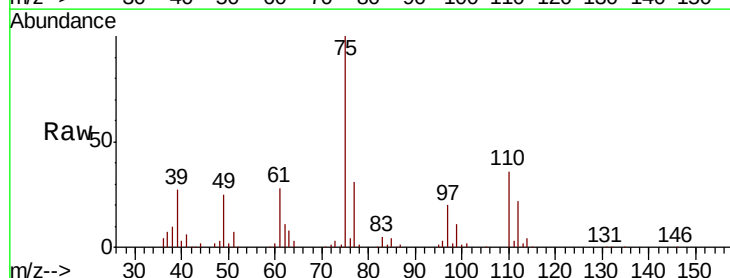
Tgt Ion: 75 Resp: 61373

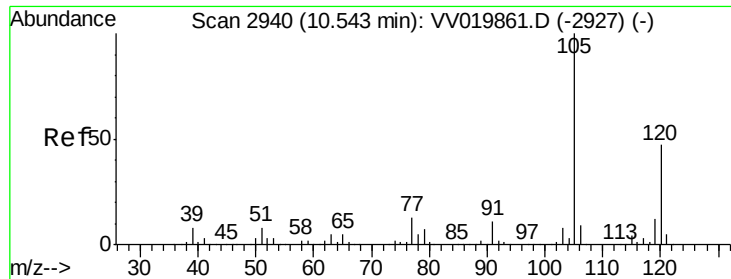
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

110 36.5 30.5 45.7

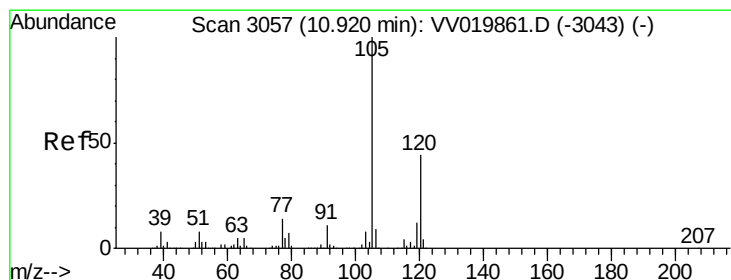
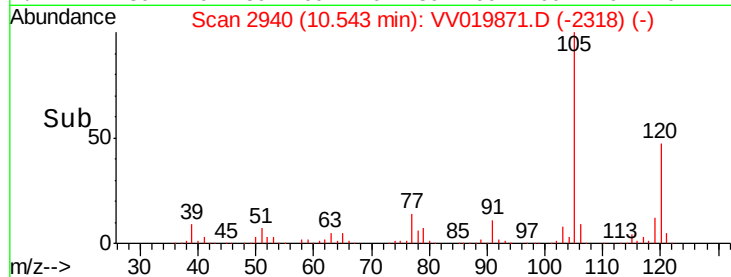
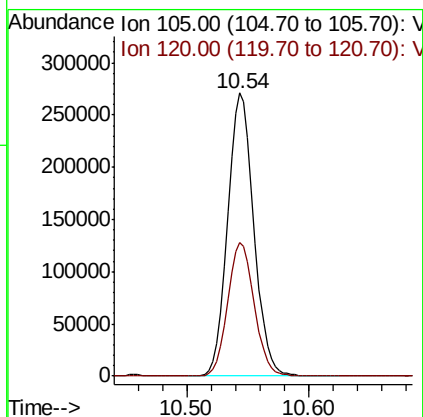
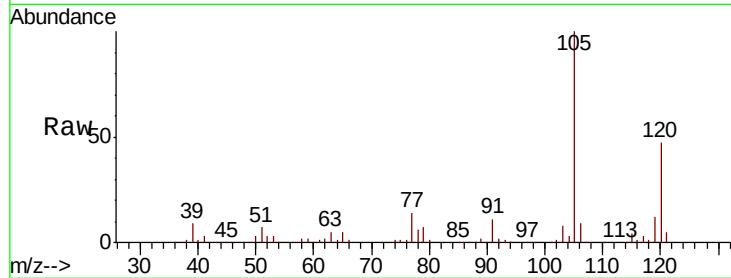




#62
 1,3,5-Trimethylbenzene
 Concen: 4.894 ug/L
 RT: 10.54 min Scan# 2940
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

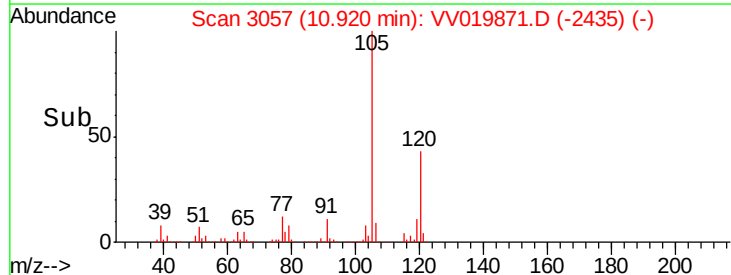
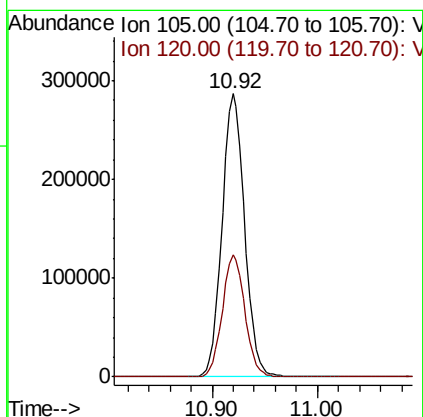
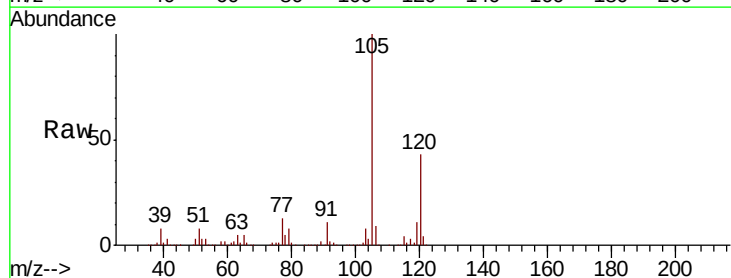
Instrument :
 MSVOA_V
 ClientSampled :

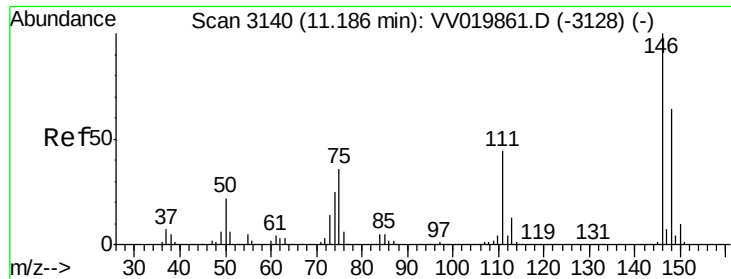
Tot Ion:105 Resp: 407630
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.986 ug/L
 RT: 10.92 min Scan# 3057
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion:105 Resp: 423055
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.9 52.3

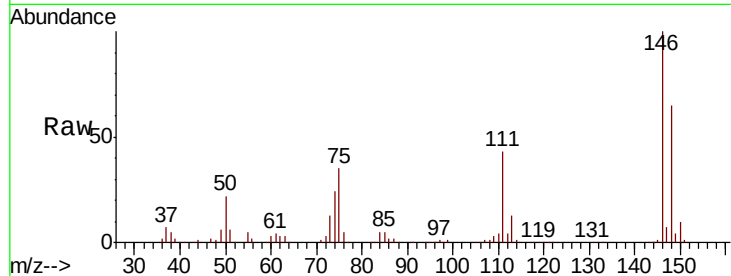




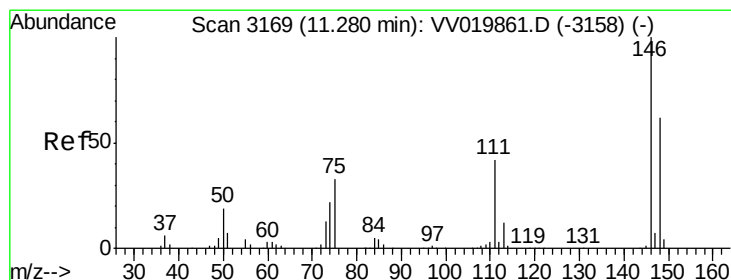
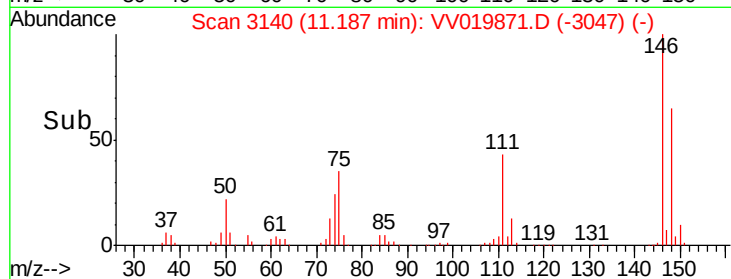
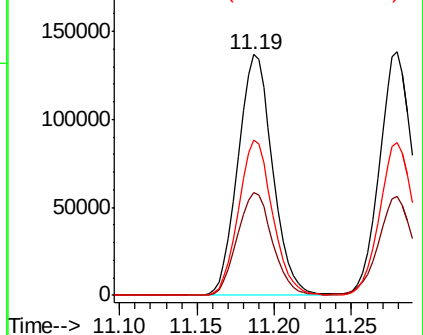
#64
 1,3-Dichlorobenzene
 Concen: 4.829 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 213624
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.4 56.5
 148 64.6 45.8 85.2

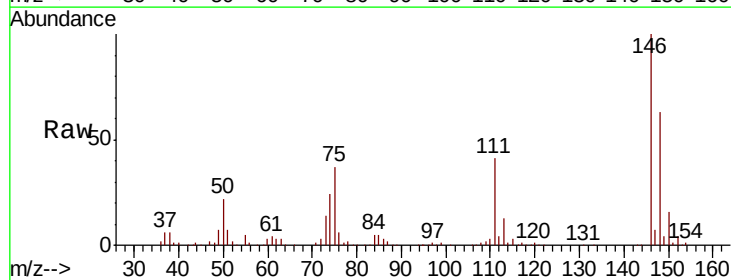


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

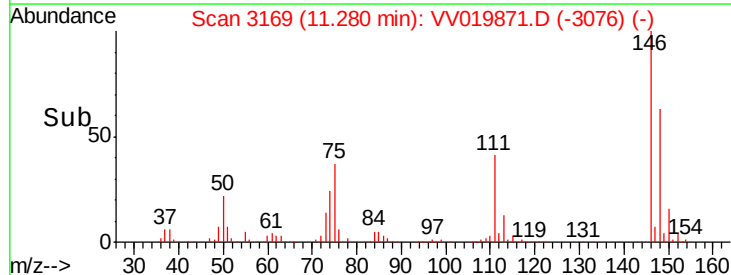
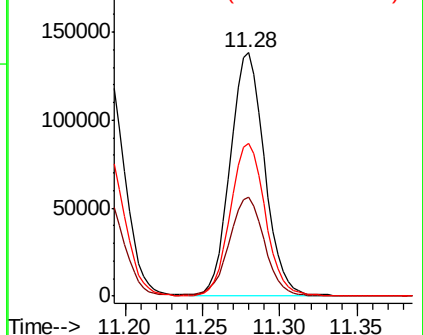


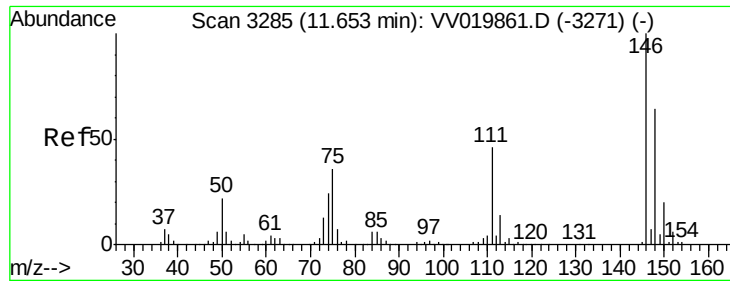
#65
 1,4-Dichlorobenzene
 Concen: 4.771 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion:146 Resp: 211738
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.7 55.1
 148 62.6 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

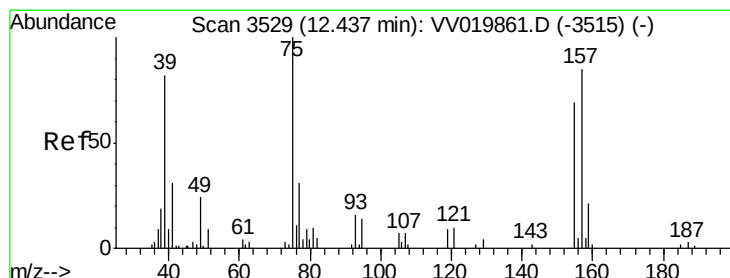
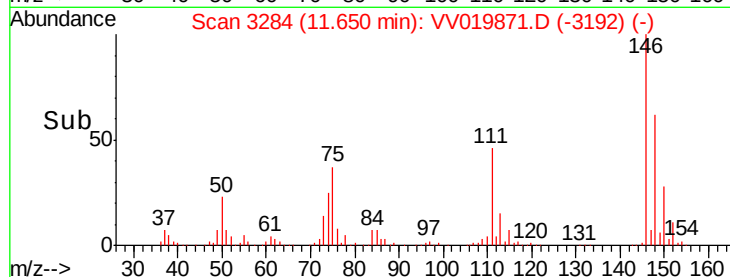
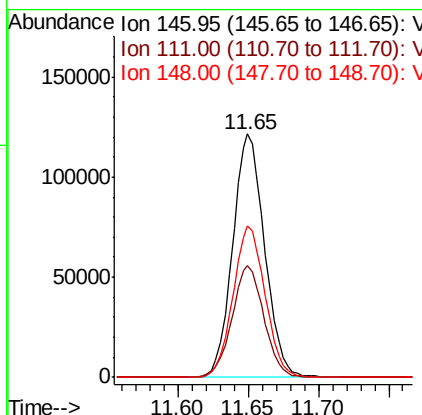
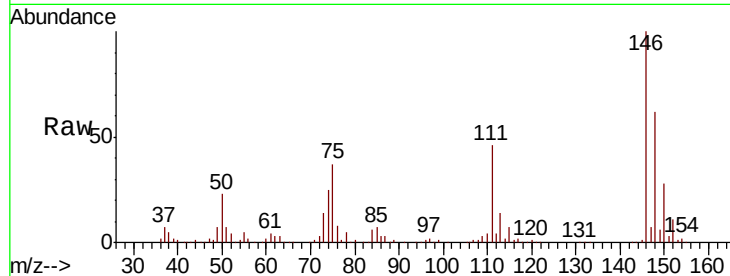




#67
 1,2-Dichlorobenzene
 Concen: 4.721 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

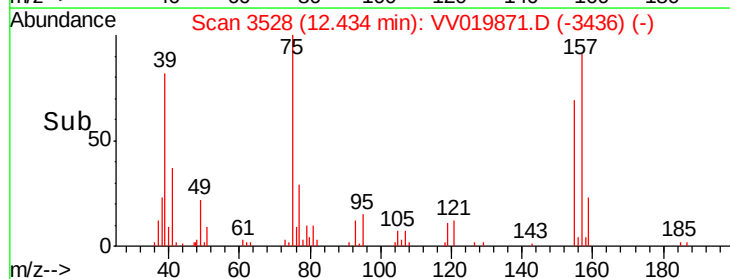
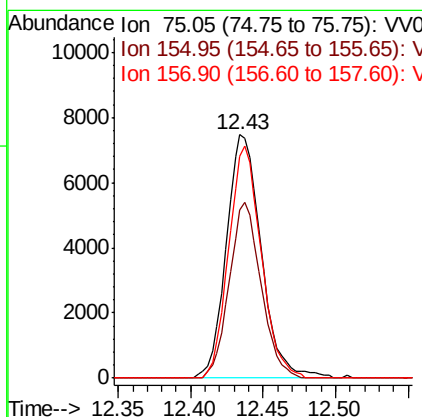
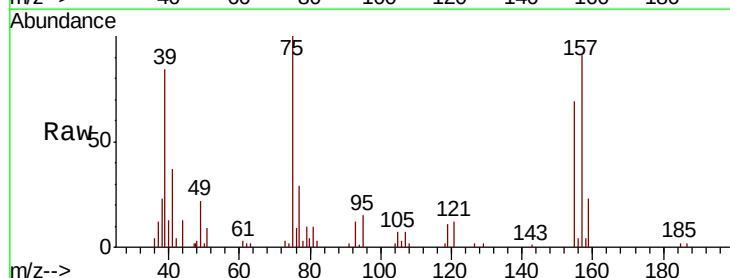
Instrument :
 MSVOA_V
 ClientSampleId :

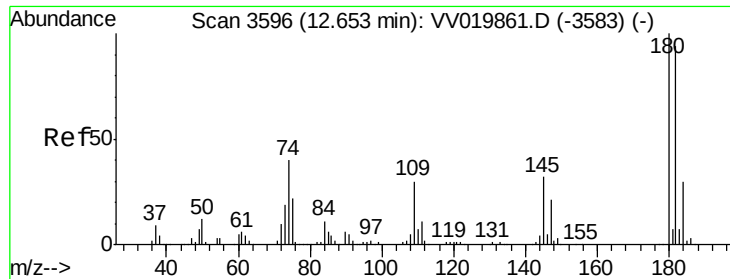
Tot Ion:146 Resp: 192079
 Ion Ratio Lower Upper
 146 100
 111 45.7 37.7 56.5
 148 62.1 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.515 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion: 75 Resp: 12459
 Ion Ratio Lower Upper
 75 100
 155 68.8 56.5 84.7
 157 91.3 74.2 111.2

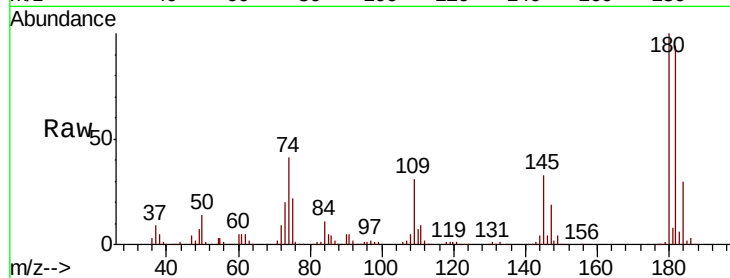




#69
 1,3,5-Trichlorobenzene
 Concen: 4.889 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.9	113.9
184	29.9	23.5	35.3
145	32.9	26.2	39.2



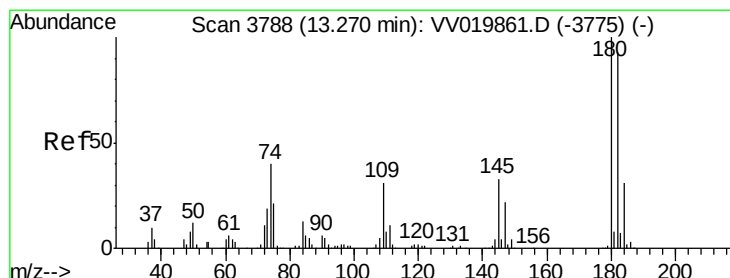
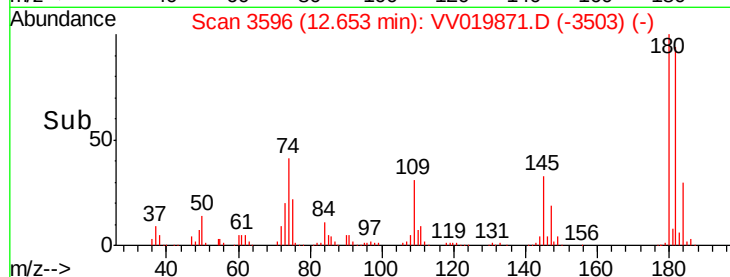
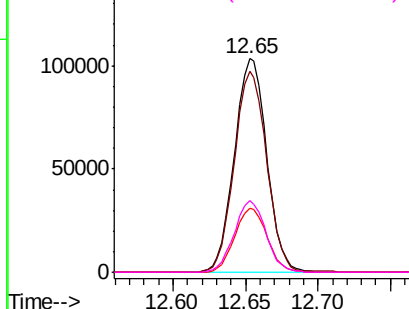
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

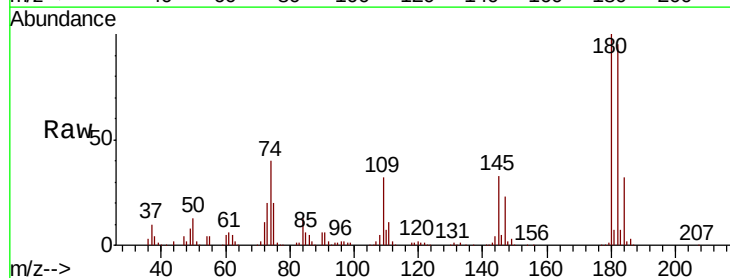
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019871.D
 Acq: 30 Dec 2020 09:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.9	113.9
145	33.8	26.6	39.8

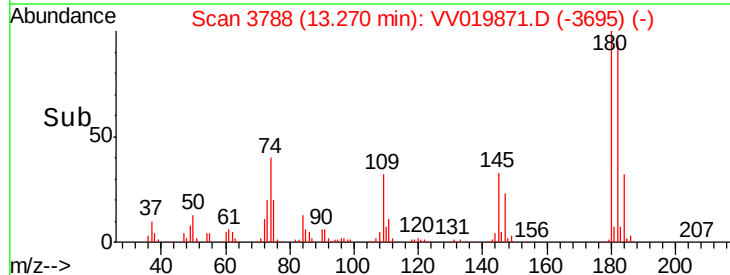
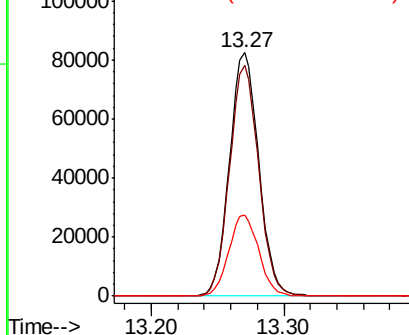


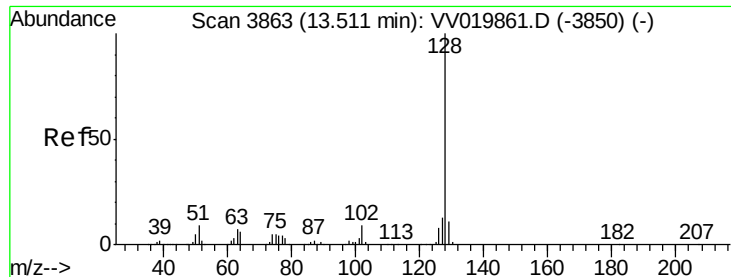
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

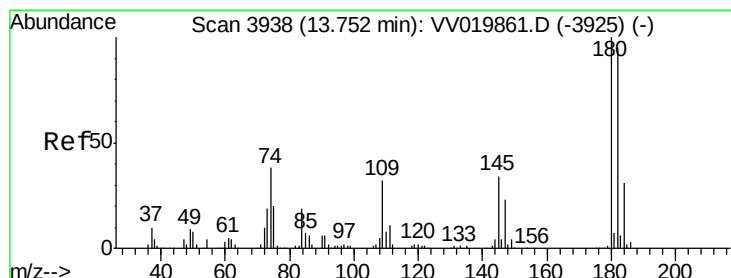
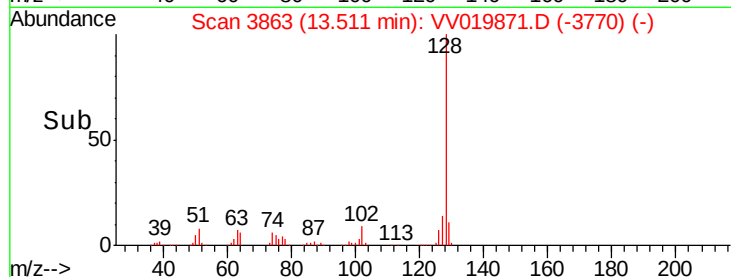
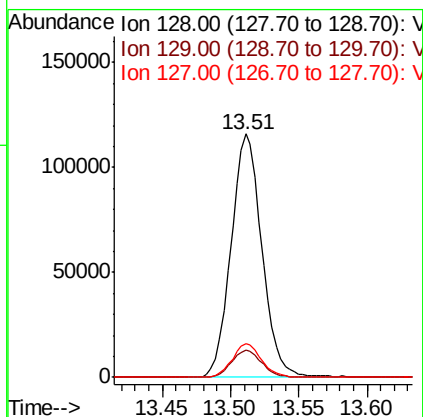
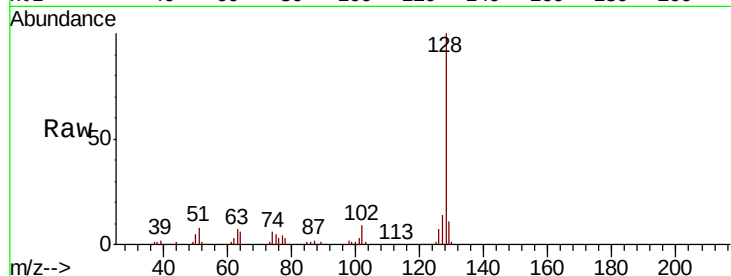




#71
Naphthalene
Concen: 4.494 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 181270
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.3 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.710 ug/L
RT: 13.75 min Scan# 3938
Delta R.T. 0.00 min
Lab File: VV019871.D
Acq: 30 Dec 2020 09:57

Tgt Ion:180 Resp: 106889
Ion Ratio Lower Upper
180 100
182 96.6 74.6 112.0
145 35.9 28.8 43.2

