

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019264.D
 Acq On : 05 Nov 2020 00:20
 Operator : SY/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:07:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228082	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218098	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	105962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74897	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.10%
7) Chloroethane-d5	1.58	69	66774	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.82%
11) 1,1-Dichloroethene-d2	2.12	63	116678	35.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.60%
21) 2-Butanone-d5	3.91	46	113642	117.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.09%
24) Chloroform-d	4.38	84	156839	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.05	65	113553	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.07	84	287901	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
36) 1,2-Dichloropropane-d6	6.09	67	91937	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.34	98	248248	44.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.50%
43) trans-1,3-Dichloropropene-	7.64	79	47943	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.11	63	71988	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	115372	48.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.32%
66) 1,2-Dichlorobenzene-d4	11.65	152	107599	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2508	1.795 ug/L	99
3) Chloromethane	1.25	50	3277	2.252 ug/L	99
5) Vinyl chloride	1.32	62	3554	2.347 ug/L #	44
6) Bromomethane	1.53	94	2478	2.435 ug/L	95
8) Chloroethane	1.60	64	2583	2.608 ug/L	95
9) Trichlorofluoromethane	1.77	101	4949	1.974 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3443	2.890 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3500	2.843 ug/L #	1
13) Acetone	2.19	43	3477	4.711 ug/L	100
14) Carbon disulfide	2.31	76	7566	2.140 ug/L	97
15) Methyl Acetate	2.45	43	3372	2.358 ug/L	92
16) Methylene chloride	2.52	84	3674	2.510 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	2785	2.085 ug/L	90
18) Methyl tert-butyl Ether	2.79	73	10151	2.162 ug/L	97
19) 1,1-Dichloroethane	3.22	63	5967	2.280 ug/L	96
20) cis-1,2-Dichloroethene	3.95	96	3375	2.286 ug/L	93
23) Bromochloromethane	4.29	128	2026	2.493 ug/L	89

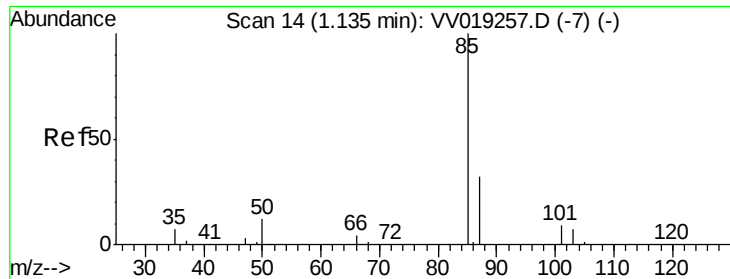
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
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 Acq On : 05 Nov 2020 00:20
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	8473	3.020	ug/L	99
27) 1,2-Dichloroethane	5.17	62	5684	2.383	ug/L	99
29) Cyclohexane	4.70	56	1740	0.932	ug/L #	47
30) 1,1,1-Trichloroethane	4.64	97	5252	2.076	ug/L #	88
31) Carbon tetrachloride	4.86	117	4354	1.994	ug/L	100
33) Benzene	5.13	78	12331	2.275	ug/L	100
34) Trichloroethene	5.95	95	3301	2.241	ug/L	98
35) Methylcyclohexane	6.15	83	3315	1.859	ug/L #	91
37) 1,2-Dichloropropane	6.20	63	3622	2.504	ug/L #	90
38) Bromodichloromethane	6.54	83	4655	2.236	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	5028	2.172	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	8443	4.345	ug/L	95
42) Toluene	7.41	91	13995	2.389	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	5350	2.256	ug/L	90
45) 1,1,2-Trichloroethane	7.87	97	3450	2.413	ug/L	95
46) Tetrachloroethene	8.00	164	2322	1.932	ug/L	93
48) 2-Hexanone	8.16	43	10466	7.124	ug/L #	91
49) Dibromochloromethane	8.27	129	3596	2.109	ug/L	97
50) 1,2-Dibromoethane	8.38	107	3392	2.289	ug/L #	92
51) Chlorobenzene	8.90	112	8270	2.110	ug/L	97
52) Ethylbenzene	9.04	91	12116	1.874	ug/L	98
53) m,p-Xylene	9.16	106	4525	1.870	ug/L	87
54) o-Xylene	9.57	106	4503	1.888	ug/L	99
55) Styrene	9.59	104	7424	1.749	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5024	2.323	ug/L #	94
59) Bromoform	9.76	173	2470	2.100	ug/L #	94
60) Isopropylbenzene	9.95	105	10119	1.822	ug/L	97
61) 1,2,3-Trichloropropane	10.30	75	4232	2.571	ug/L #	93
62) 1,3,5-Trimethylbenzene	10.56	105	7999	1.729	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	8006	1.769	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	6460	2.224	ug/L	98
65) 1,4-Dichlorobenzene	11.30	146	6866	2.285	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	6940	2.335	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1130	2.353	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.67	180	4148	1.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	3472	1.770	ug/L	94
71) Naphthalene	13.53	128	7855	1.420	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	3865	1.987	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 1.795 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

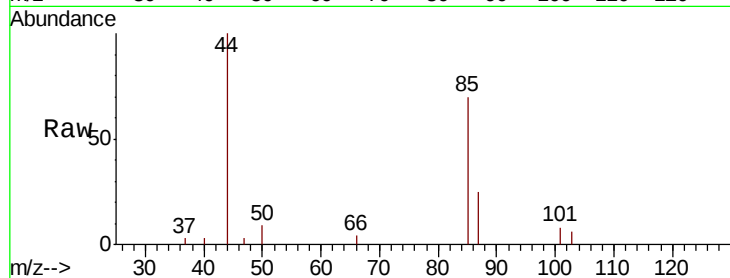
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 2508

Ion Ratio Lower Upper

85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019257.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019257.D (-7) (-)

1.14

2500

2000

1500

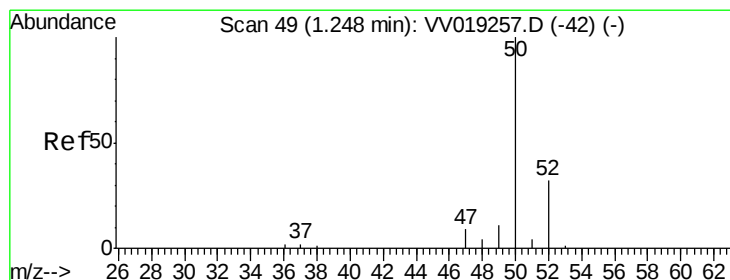
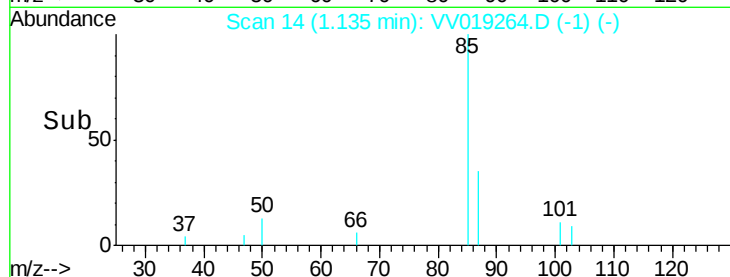
1000

500

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 2.252 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019264.D

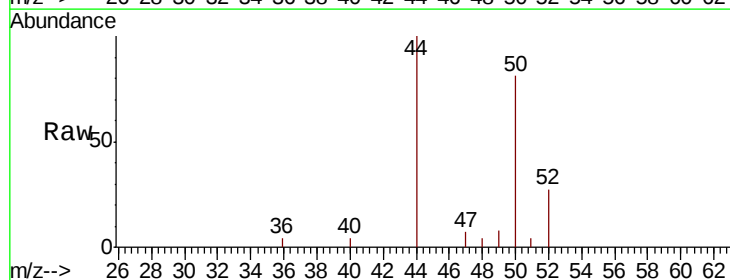
Acq: 05 Nov 2020 00:20

Tgt Ion: 50 Resp: 3277

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019257.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019257.D (-42) (-)

1.25

4000

3000

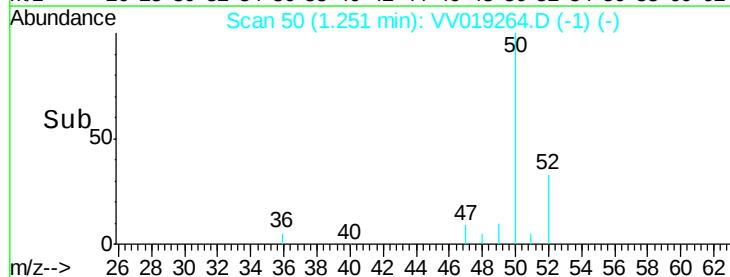
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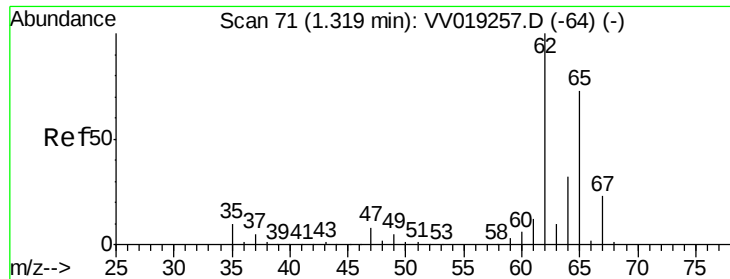
1000

0

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 2.347 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

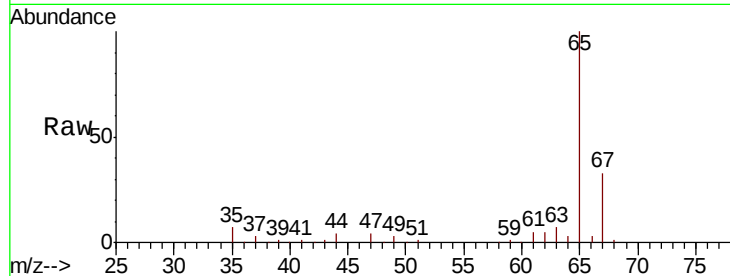
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 3554

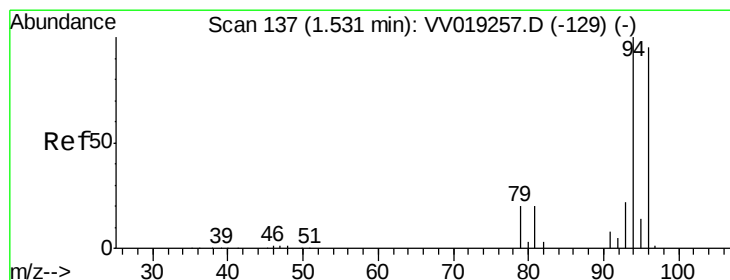
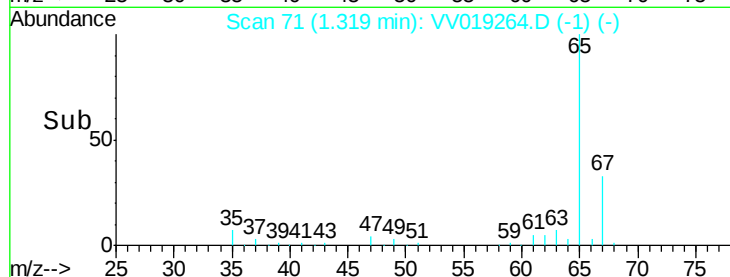
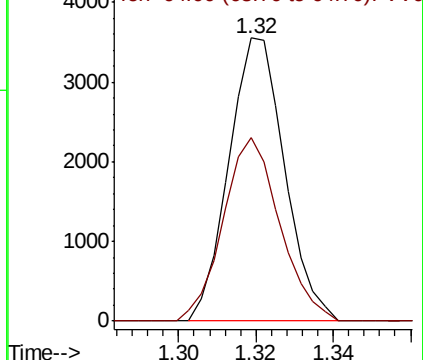
Ion Ratio Lower Upper

62 100

64 64.9 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.435 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019264.D

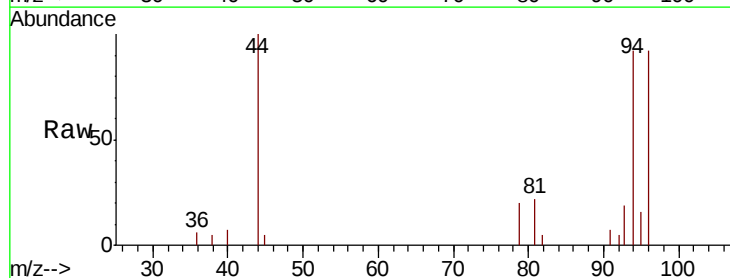
Acq: 05 Nov 2020 00:20

Tgt Ion: 94 Resp: 2478

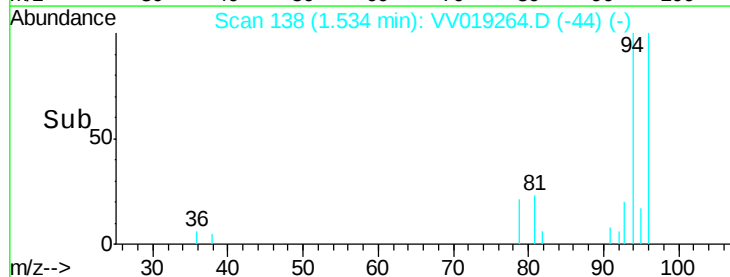
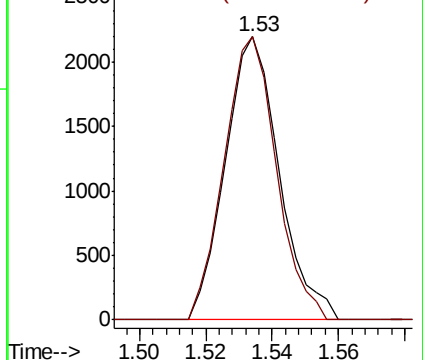
Ion Ratio Lower Upper

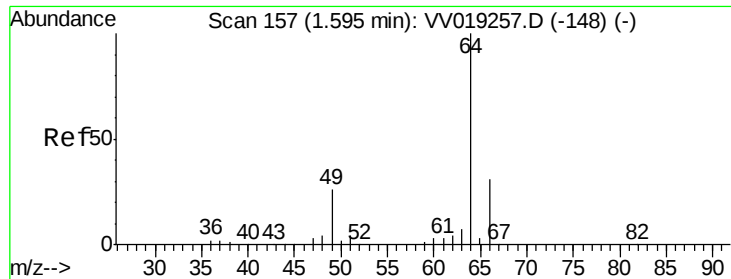
94 100

96 100.1 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.608 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

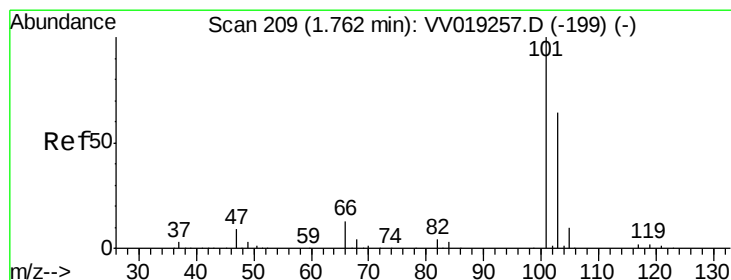
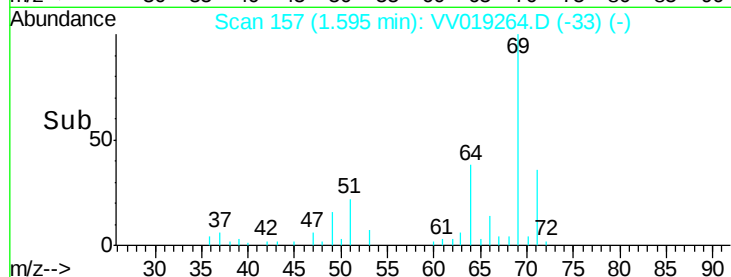
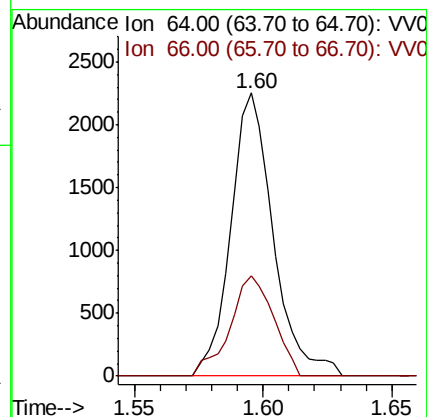
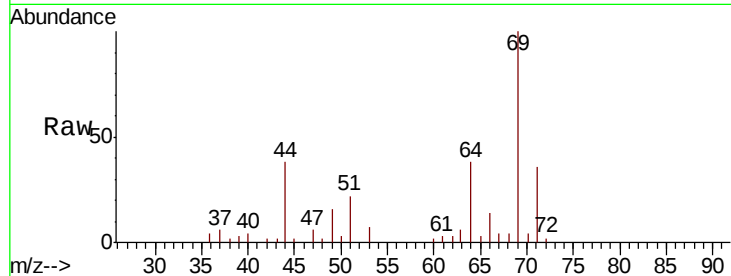
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2583

Ion Ratio Lower Upper

64 100

66 35.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 1.974 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019264.D

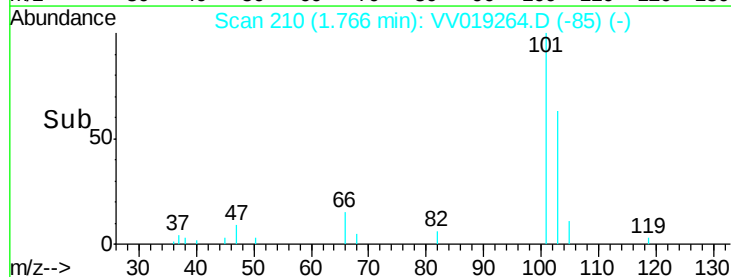
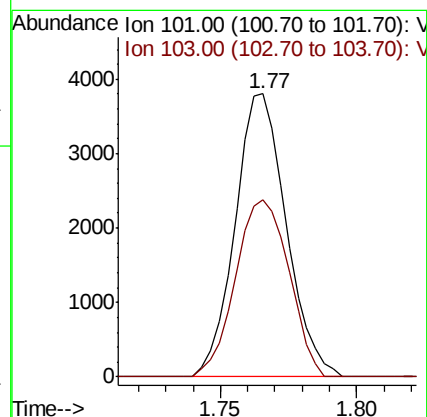
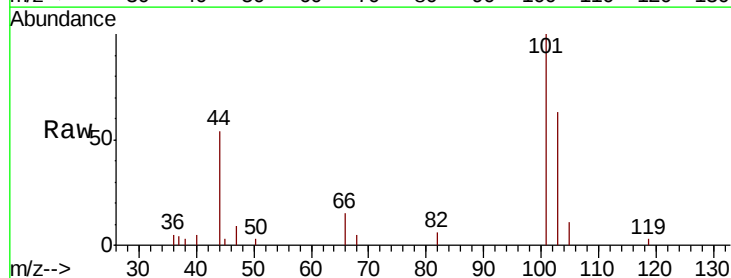
Acq: 05 Nov 2020 00:20

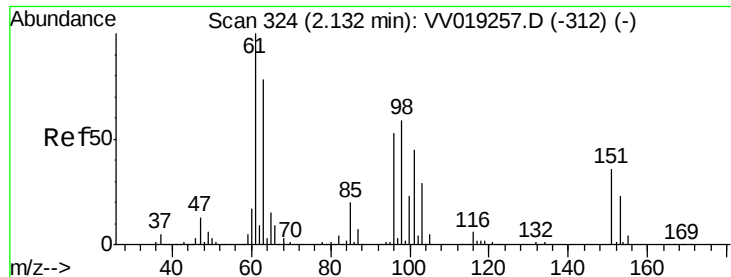
Tgt Ion: 101 Resp: 4949

Ion Ratio Lower Upper

101 100

103 65.5 52.3 78.5





#10

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

Concen: 2.890 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

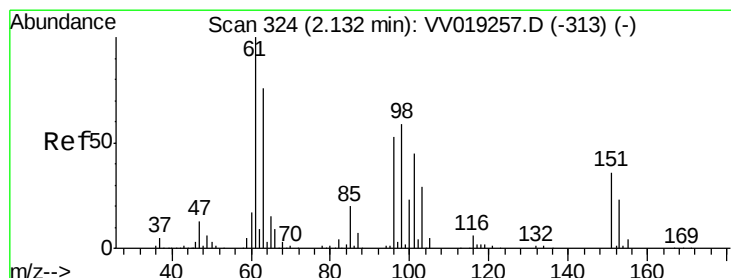
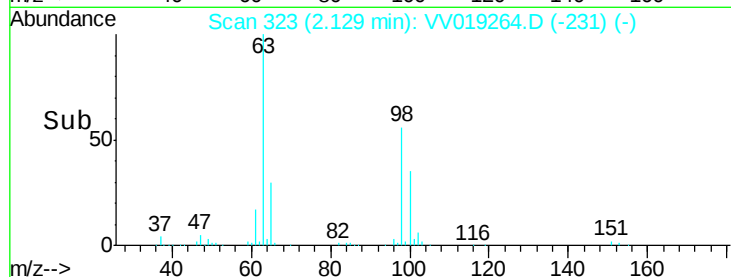
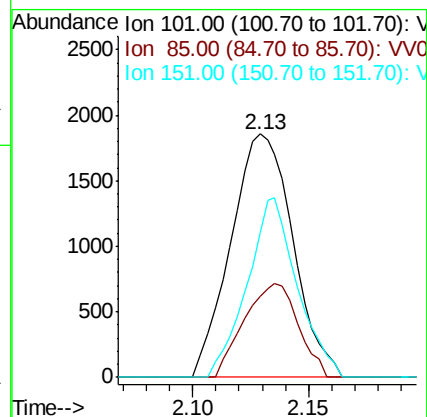
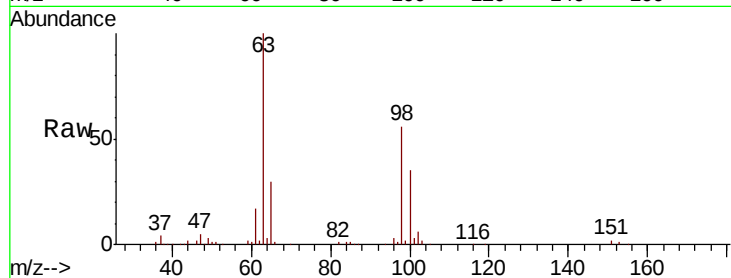
Tot Ion:101 Resp: 3443

Ion Ratio Lower Upper

101 100

85 33.5 35.6 53.4#

151 59.5 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 2.843 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

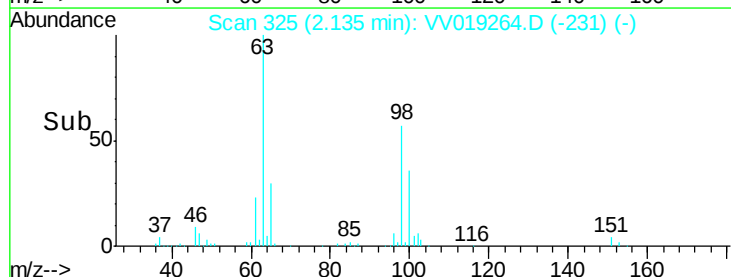
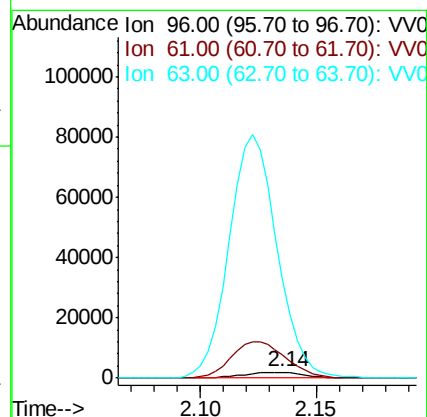
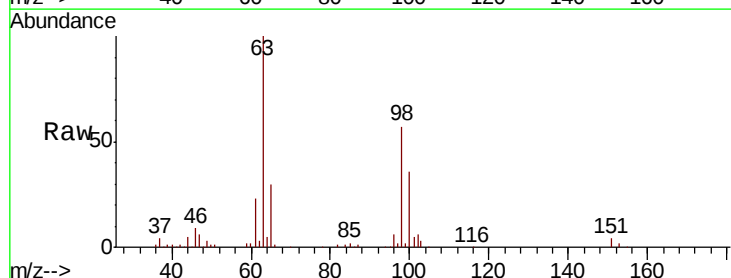
Tgt Ion: 96 Resp: 3500

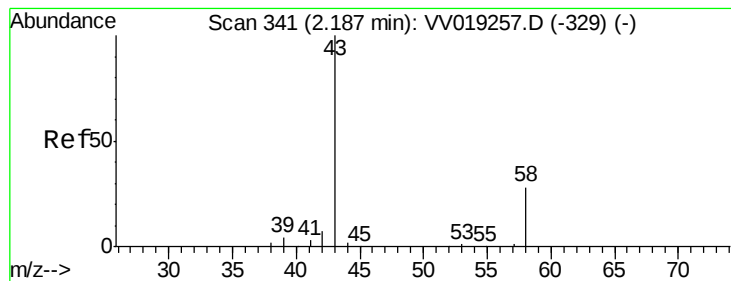
Ion Ratio Lower Upper

96 100

61 379.5 133.6 248.0#

63 1647.2 103.0 191.2#





#13

Acetone

Concen: 4.711 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

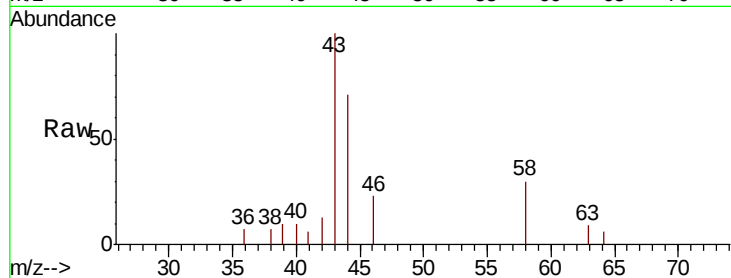
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3477

Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019257.D (-329) (-)

2000

1500

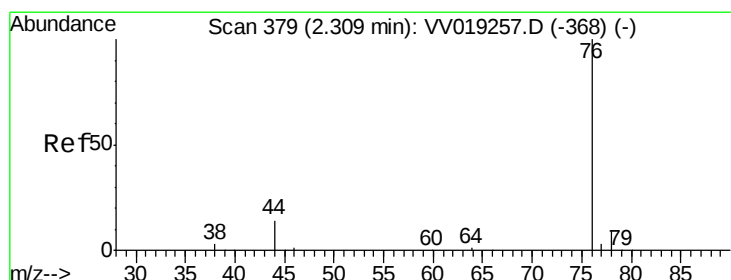
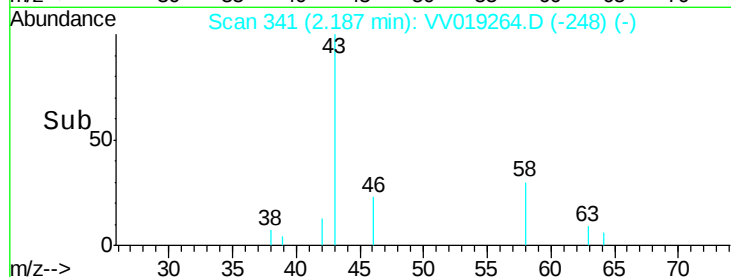
1000

500

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.140 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019264.D

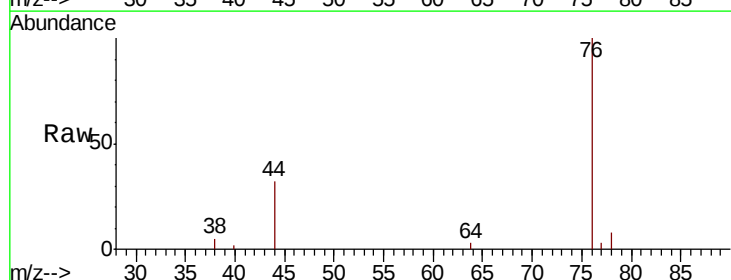
Acq: 05 Nov 2020 00:20

Tgt Ion: 76 Resp: 7566

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019257.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-368) (-)

6000

5000

4000

3000

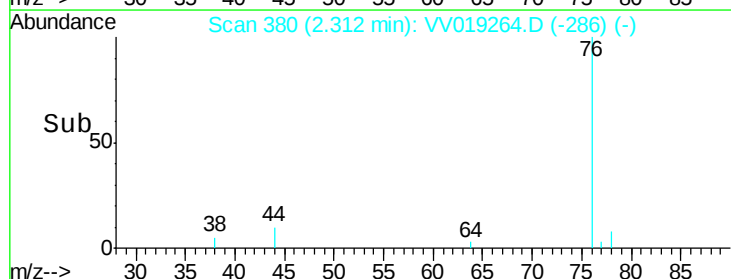
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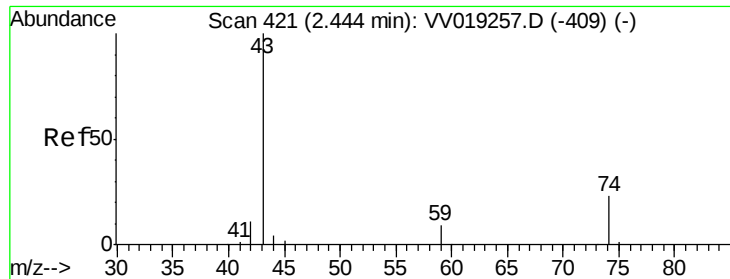
1000

0

Time-->

2.25 2.30 2.35

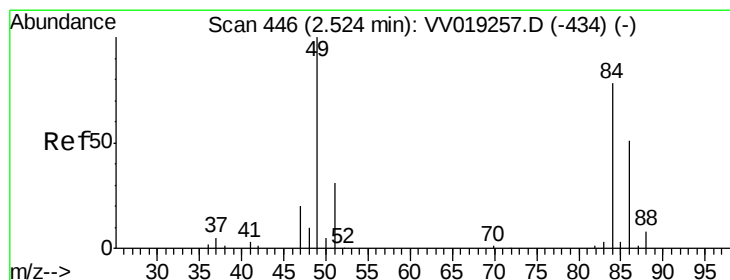
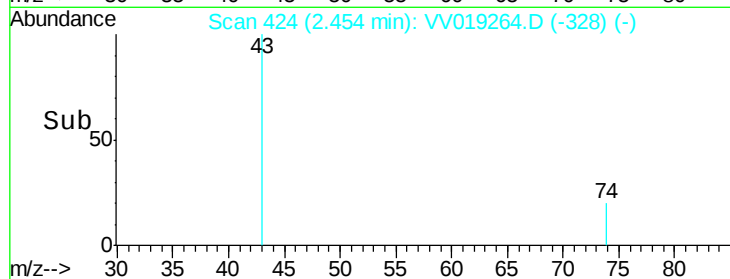
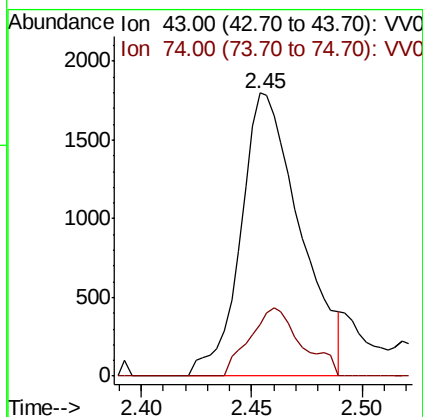
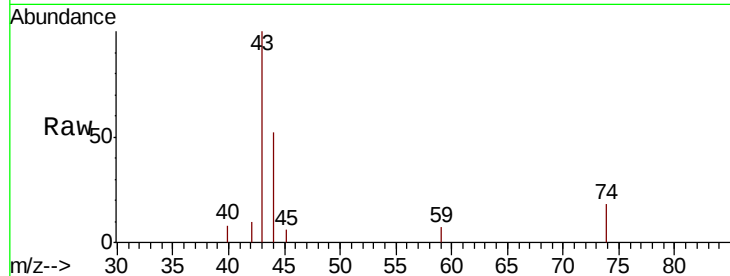




#15
Methvl Acetate
Concen: 2.358 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

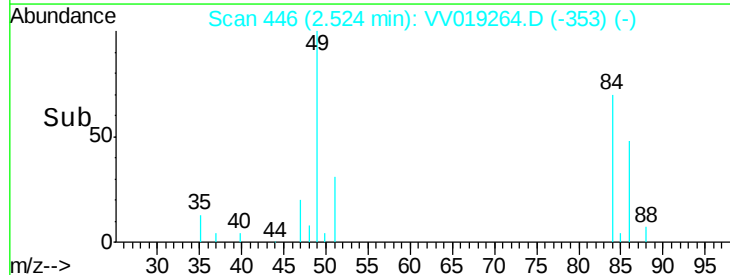
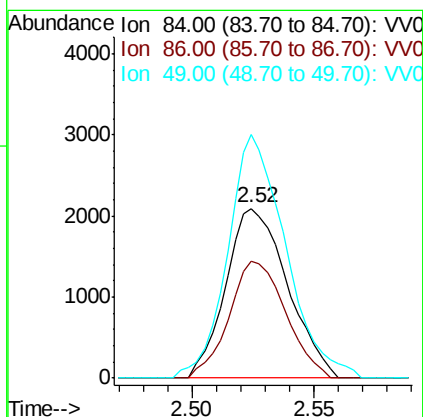
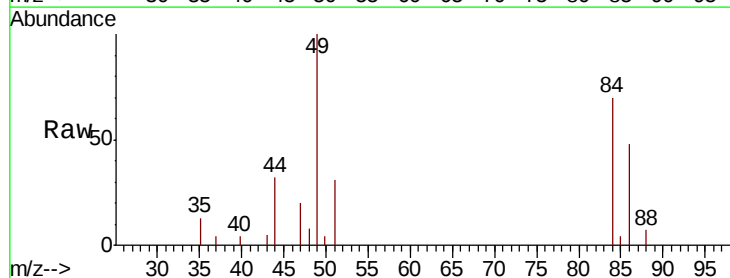
Instrument :
MSVOA_V
ClientSampleId :

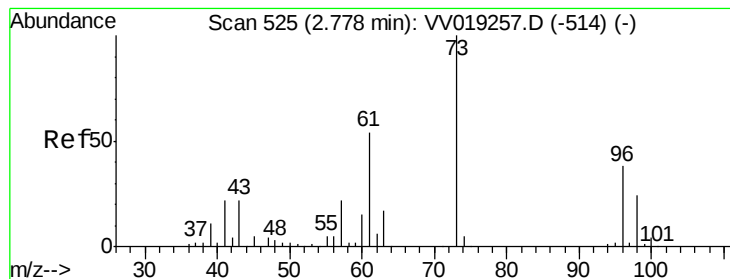
Tot Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
74 19.5 18.8 28.2



#16
Methylene chloride
Concen: 2.510 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 84 Resp: 3674
Ion Ratio Lower Upper
84 100
86 69.1 45.6 84.8
49 143.5 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.085 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampled :

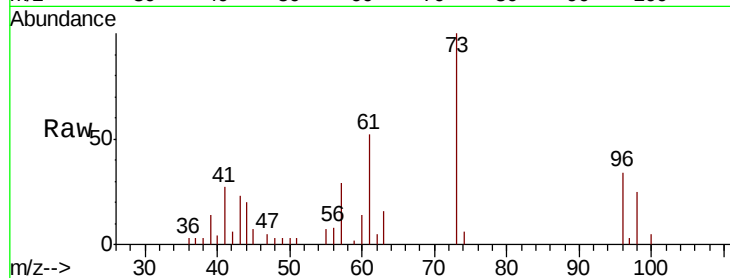
Tot Ion: 96 Resp: 2785

Ion Ratio Lower Upper

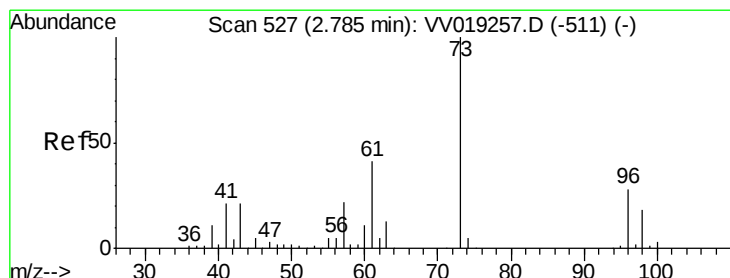
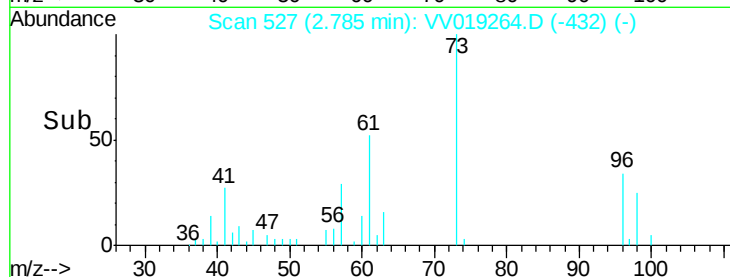
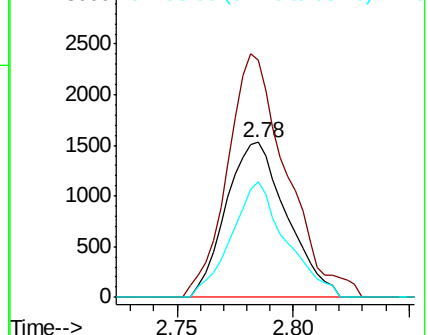
96 100

61 152.7 100.7 187.1

98 74.1 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.162 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

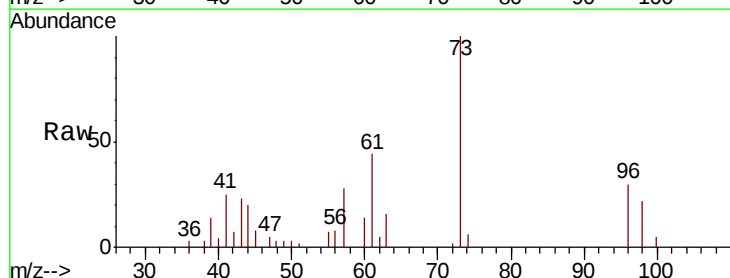
Tgt Ion: 73 Resp: 10151

Ion Ratio Lower Upper

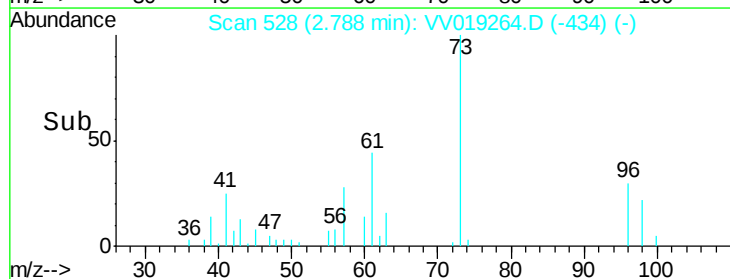
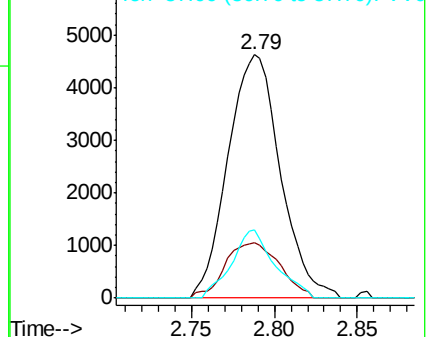
73 100

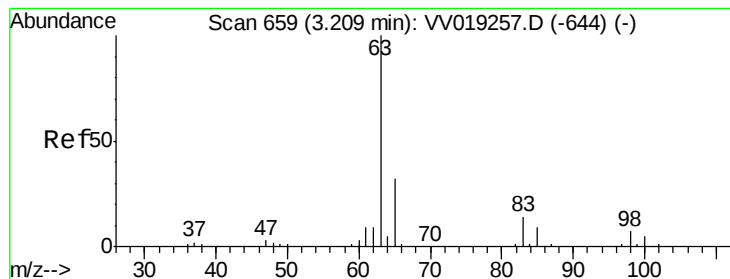
43 23.2 17.9 26.9

57 23.4 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.280 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

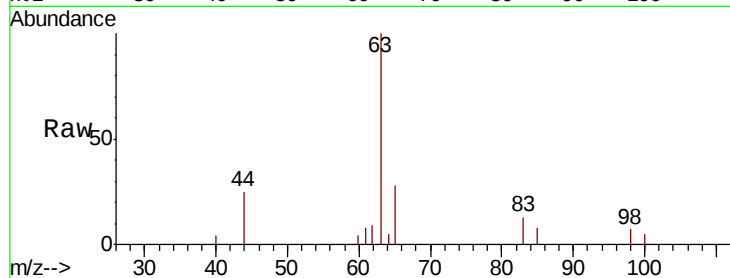
Tot Ion: 63 Resp: 5967

Ion Ratio Lower Upper

63 100

65 28.3 21.8 40.6

83 12.8 9.5 17.7

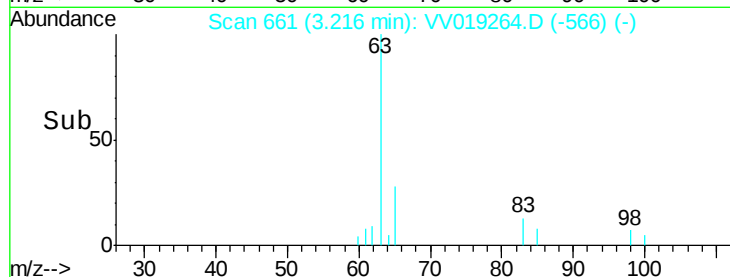


Abundance Ion 63.00 (62.70 to 63.70): VV019257.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV019257.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV019257.D (-644) (-)

Time-->

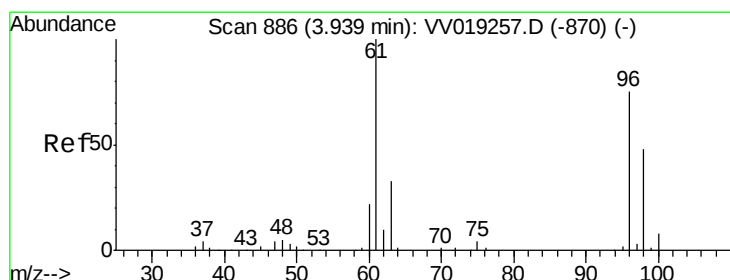


Abundance Ion 63.00 (62.70 to 63.70): VV019264.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV019264.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV019264.D (-566) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.286 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

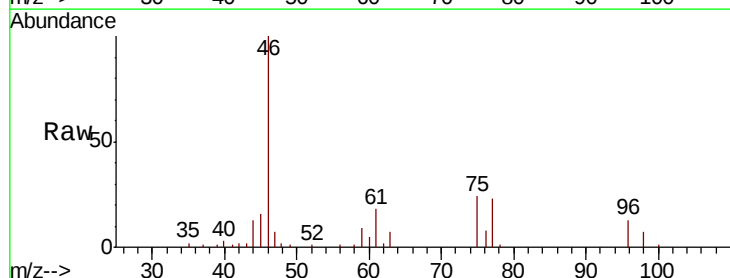
Tgt Ion: 96 Resp: 3375

Ion Ratio Lower Upper

96 100

61 144.6 95.6 177.6

68 0.0 0.0 0.0

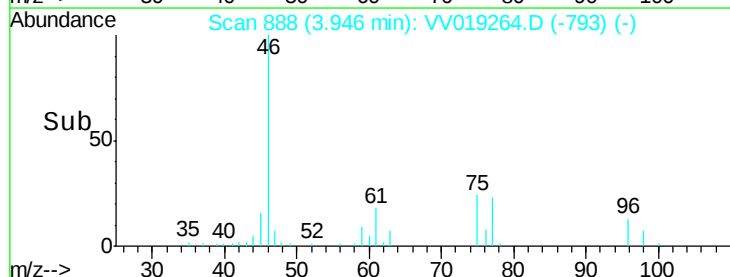


Abundance Ion 96.00 (95.70 to 96.70): VV019257.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV019257.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV019257.D (-870) (-)

Time-->

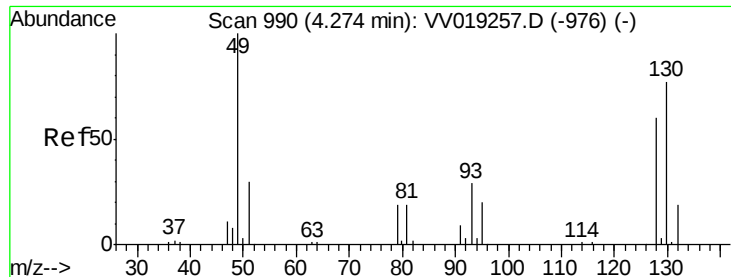


Abundance Ion 96.00 (95.70 to 96.70): VV019264.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV019264.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV019264.D (-793) (-)

Time-->



#23

Bromochloromethane

Concen: 2.493 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 2026

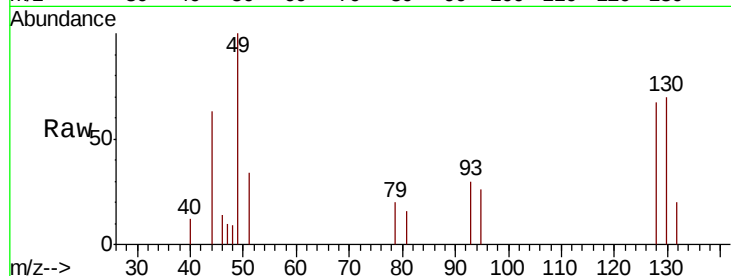
Ion Ratio Lower Upper

128 100

49 148.7 108.8 202.2

130 103.5 88.5 164.3

51 50.2 37.8 56.6

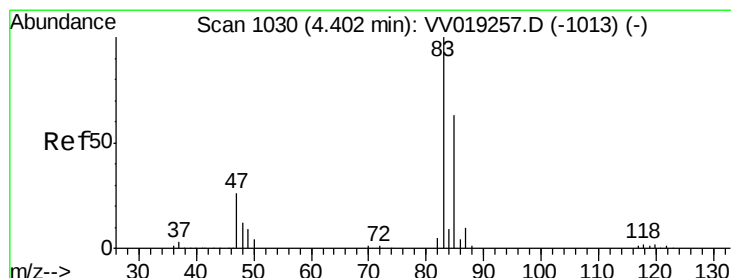
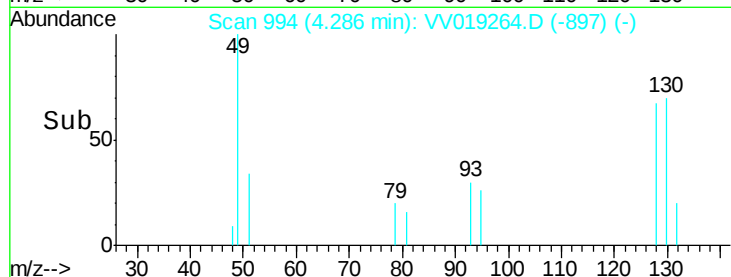
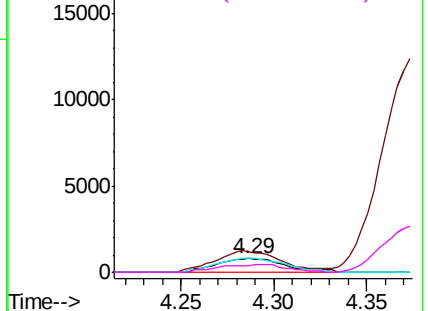


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 3.020 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV019264.D

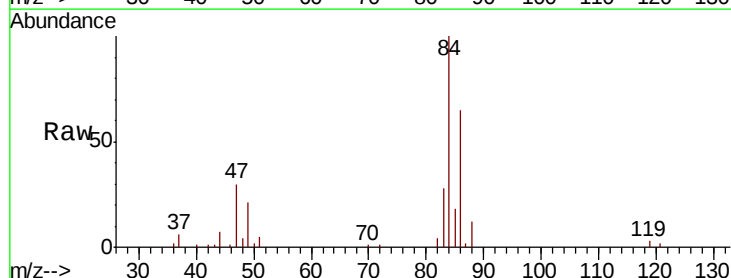
Acq: 05 Nov 2020 00:20

Tgt Ion: 83 Resp: 8473

Ion Ratio Lower Upper

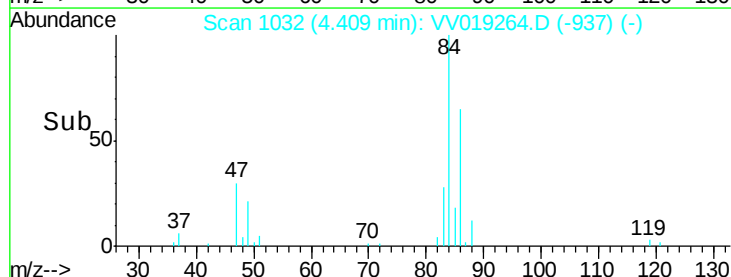
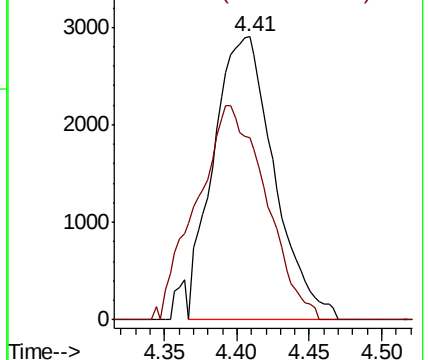
83 100

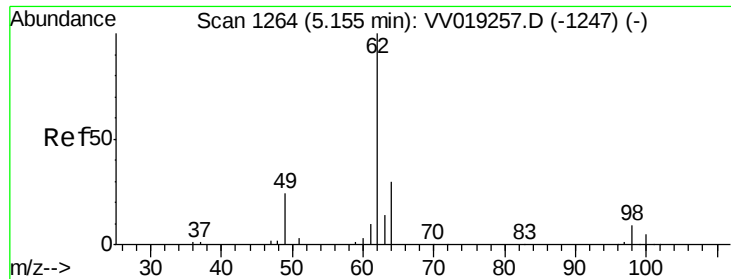
85 64.4 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

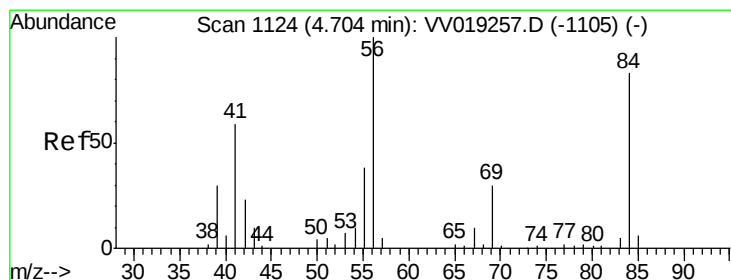
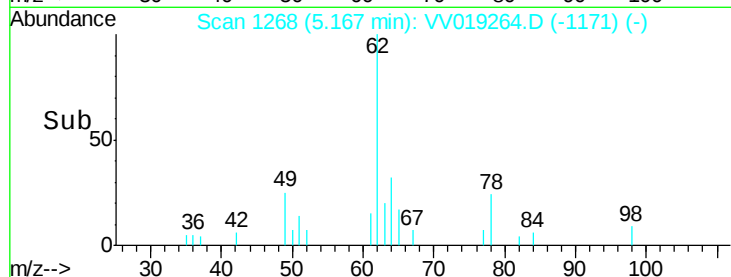
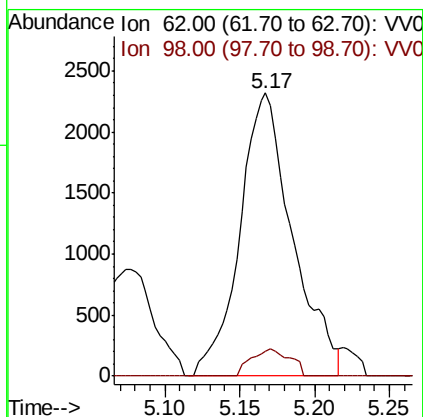
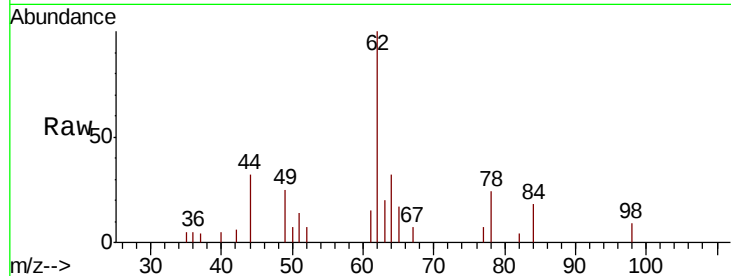




#27
 1,2-Dichloroethane
 Concen: 2.383 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

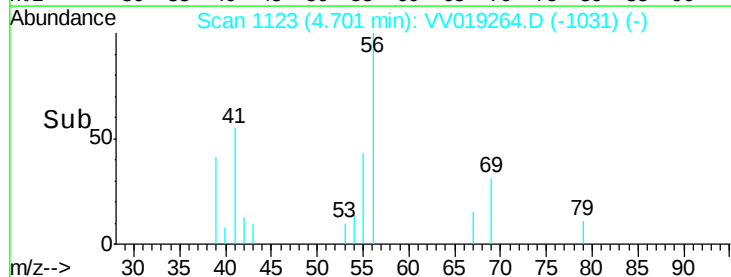
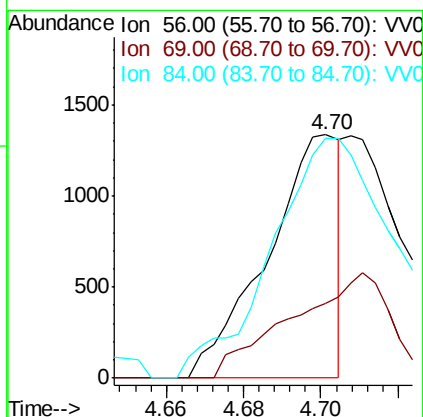
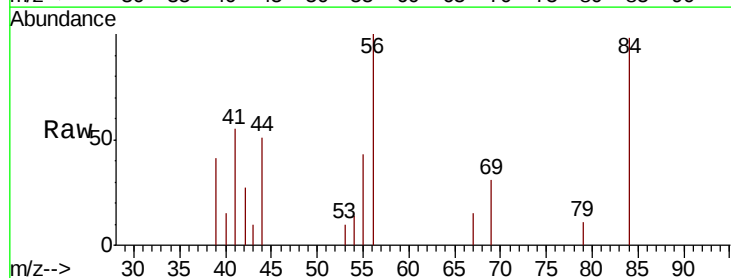
Instrument :
 MSVOA_V
 ClientSampled :

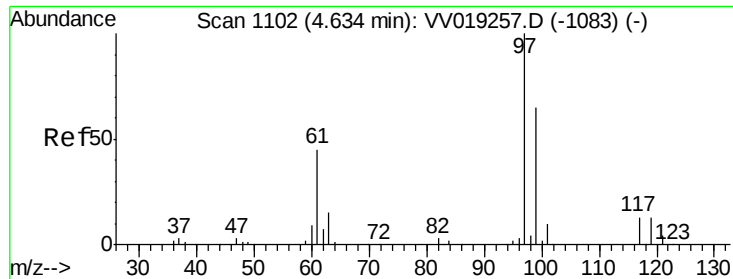
Tot Ion: 62 Resp: 5684
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.8 10.2



#29
 Cyclohexane
 Concen: 0.932 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion: 56 Resp: 1740
 Ion Ratio Lower Upper
 56 100
 69 57.9 24.6 36.8#
 84 139.0 70.5 105.7#

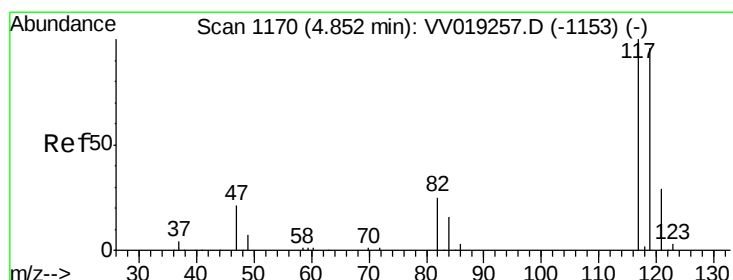
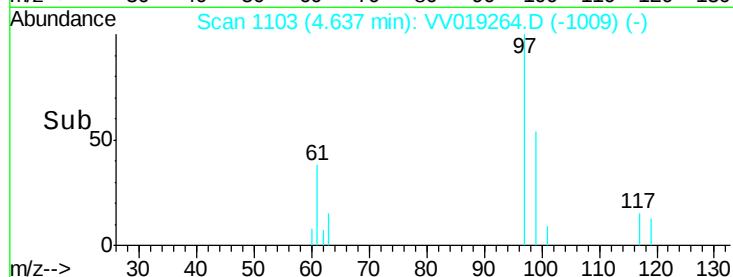
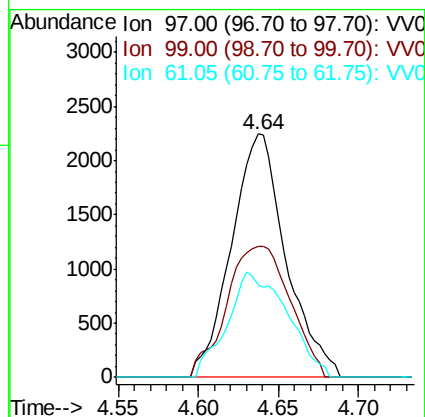
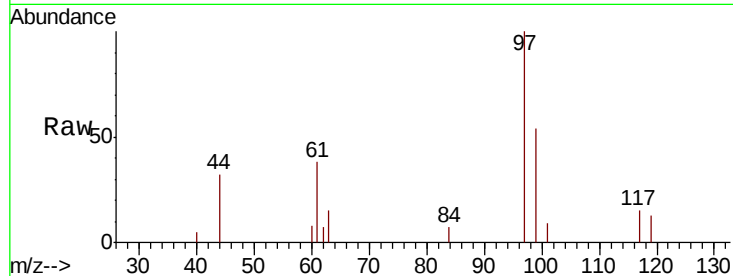




#30
 1,1,1-Trichloroethane
 Concen: 2.076 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

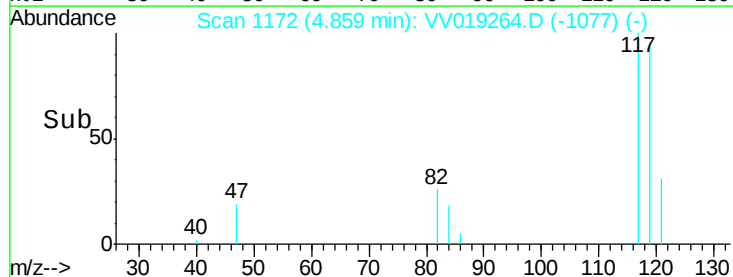
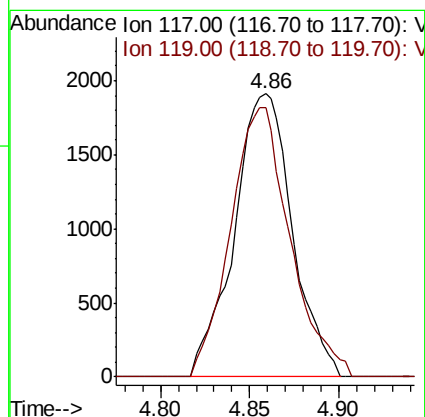
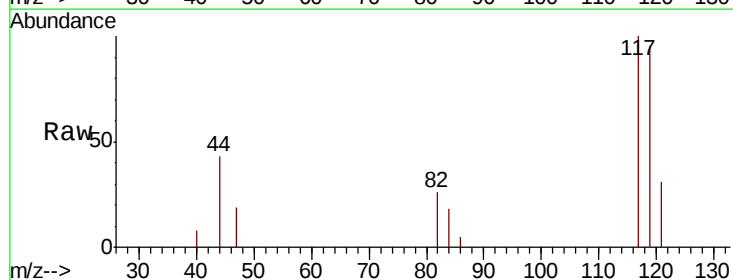
Instrument :
 MSVOA_V
 ClientSampleId :

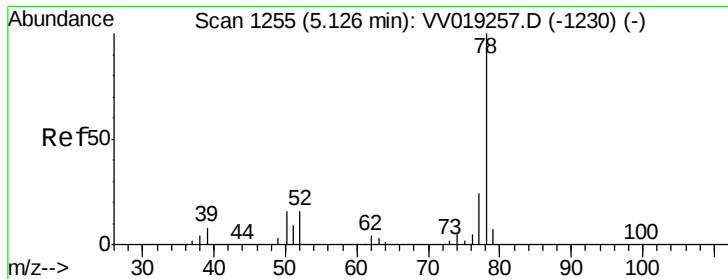
Tot Ion: 97 Resp: 5252
 Ion Ratio Lower Upper
 97 100
 99 62.8 52.0 78.0
 61 27.6 35.3 52.9#



#31
 Carbon tetrachloride
 Concen: 1.994 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion: 117 Resp: 4354
 Ion Ratio Lower Upper
 117 100
 119 97.4 77.8 116.6

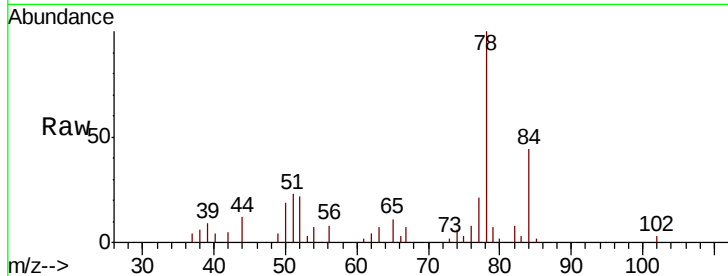




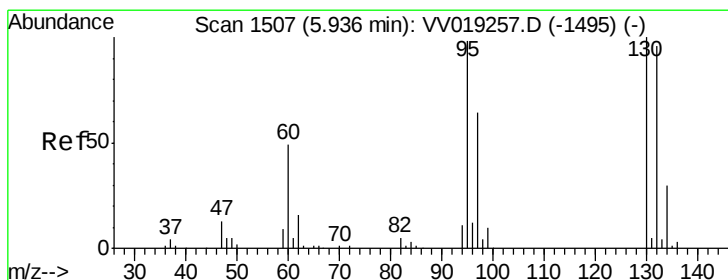
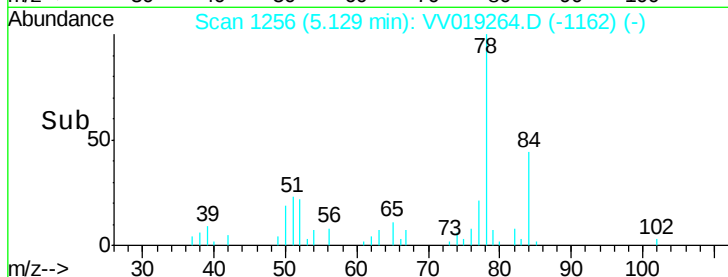
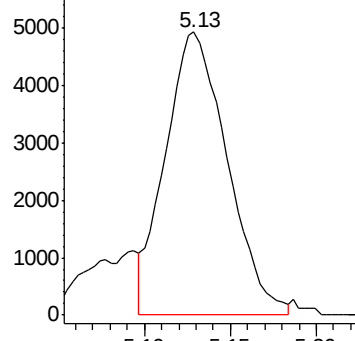
#33
Benzene
Concen: 2.275 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 12331

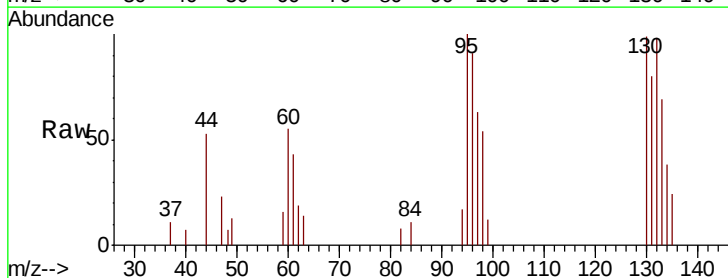


Abundance Ion 78.00 (77.70 to 78.70): VV0



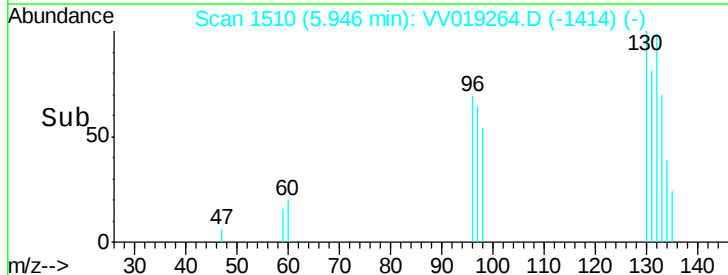
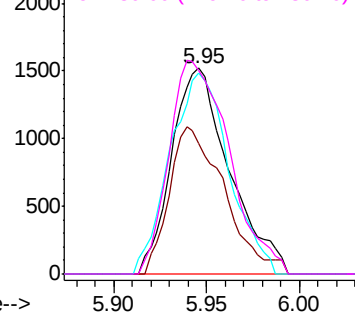
#34
Trichloroethene
Concen: 2.241 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

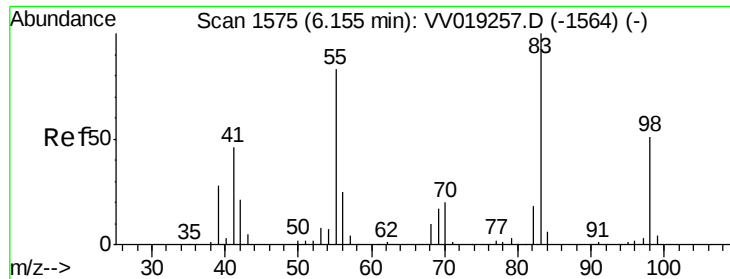
Tgt Ion: 95 Resp: 3301
Ion Ratio Lower Upper
95 100
97 63.2 45.4 84.4
132 97.9 68.5 127.3
130 99.2 72.0 133.6



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

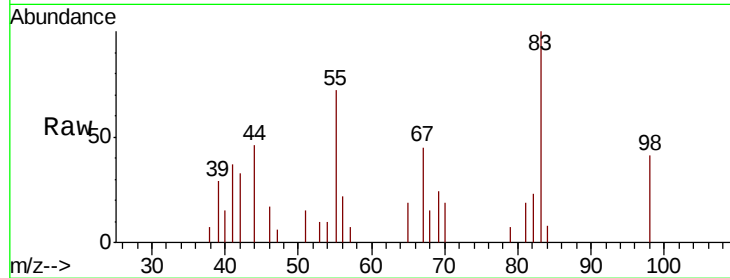




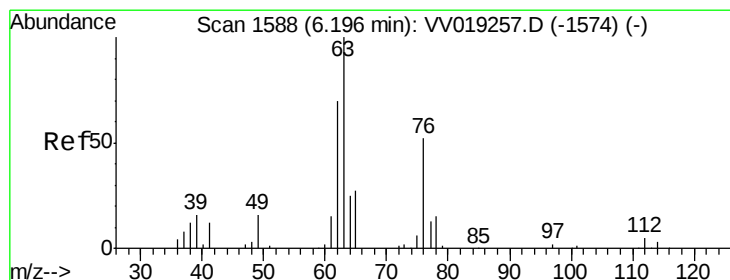
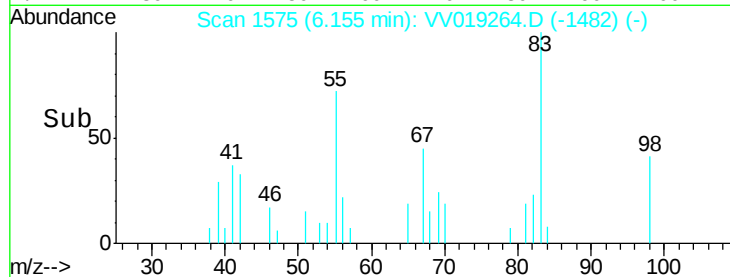
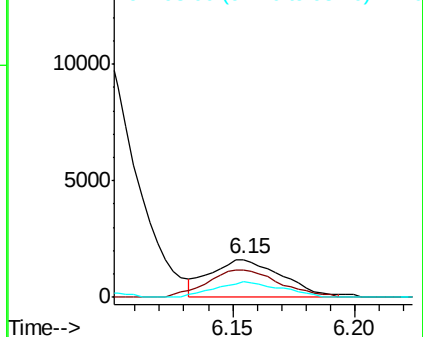
#35
Methvlcvclohexane
Concen: 1.859 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 3315
Ion Ratio Lower Upper
83 100
55 73.8 62.8 94.2
98 38.0 38.6 58.0#

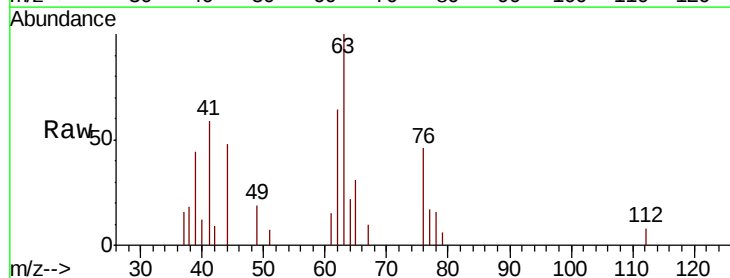


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

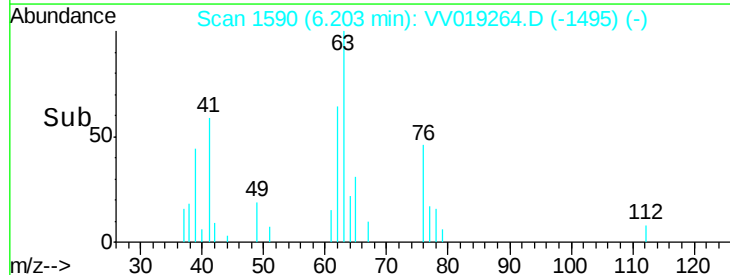
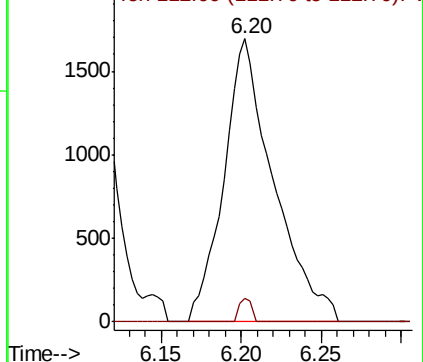


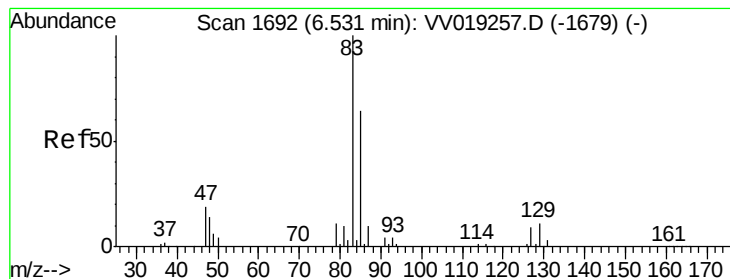
#37
1,2-Dichloropropane
Concen: 2.504 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 63 Resp: 3622
Ion Ratio Lower Upper
63 100
112 2.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.236 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

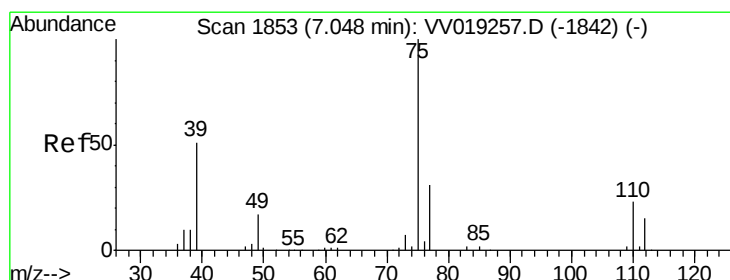
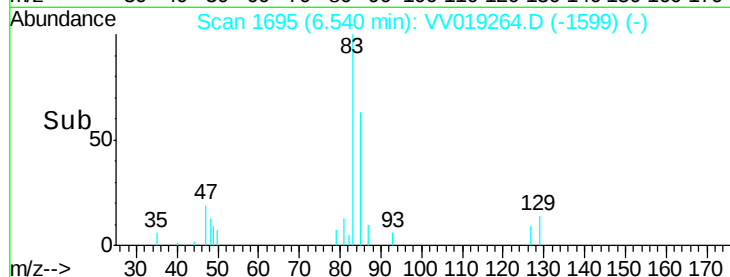
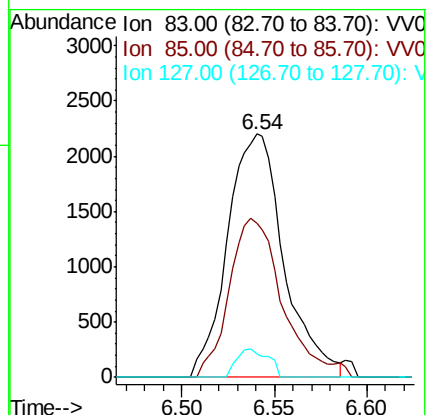
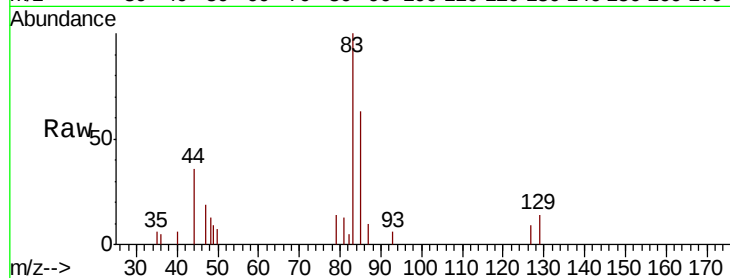
Tot Ion: 83 Resp: 4655

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.8

127 9.5 7.3 10.9



#39

cis-1,3-Dichloropropene

Concen: 2.172 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019264.D

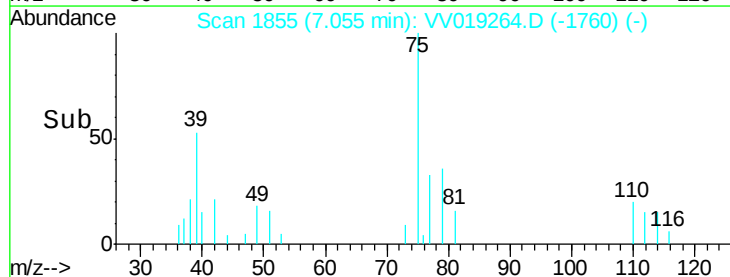
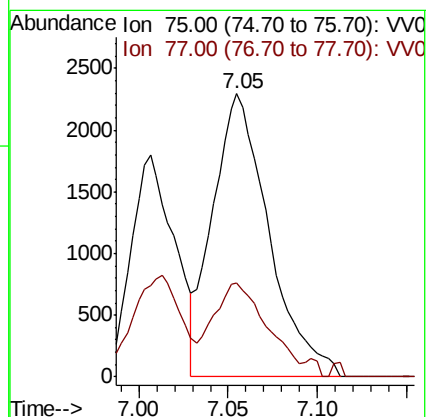
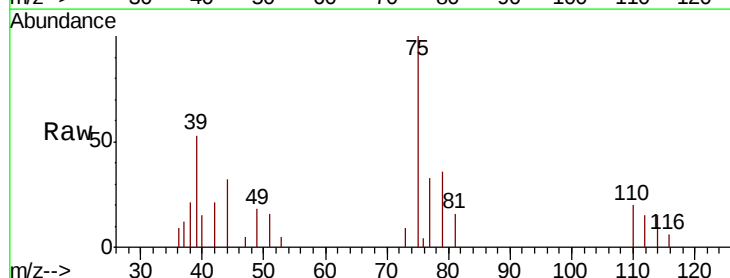
Acq: 05 Nov 2020 00:20

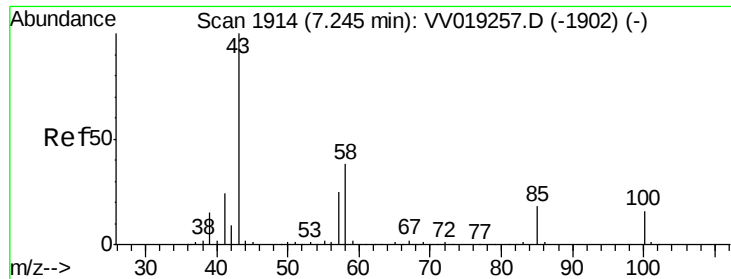
Tgt Ion: 75 Resp: 5028

Ion Ratio Lower Upper

75 100

77 33.3 22.2 41.2

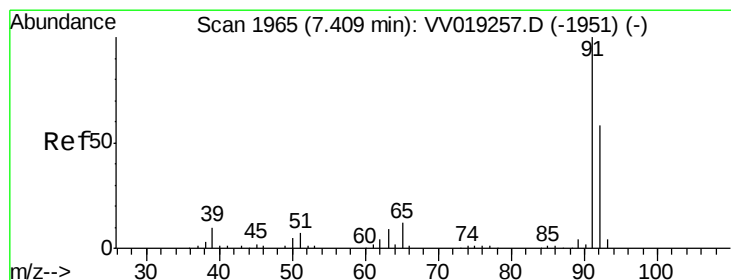
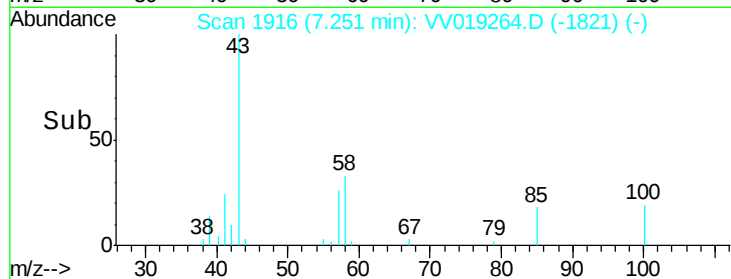
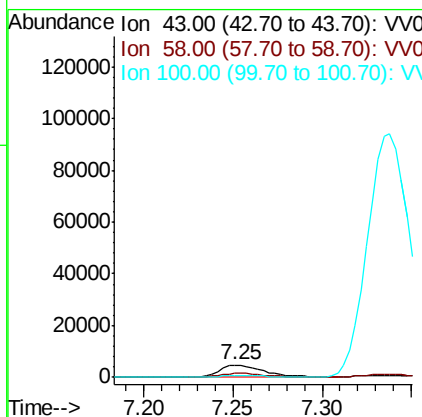
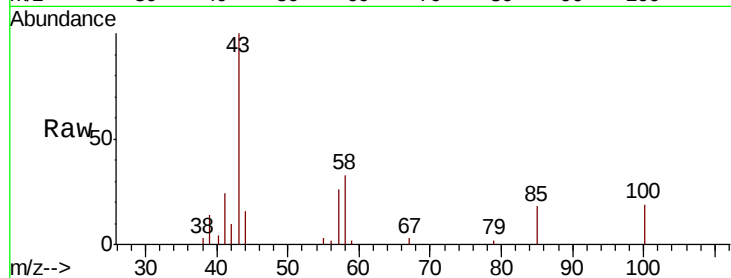




#40
4-Methyl-2-pentanone
Concen: 4.345 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

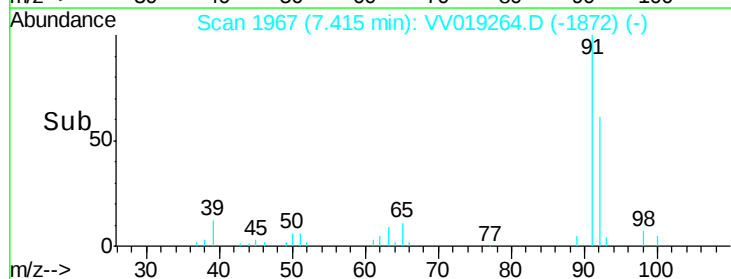
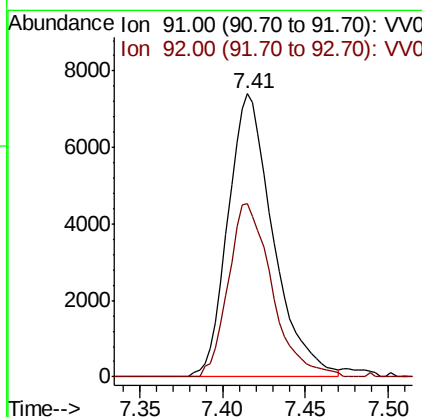
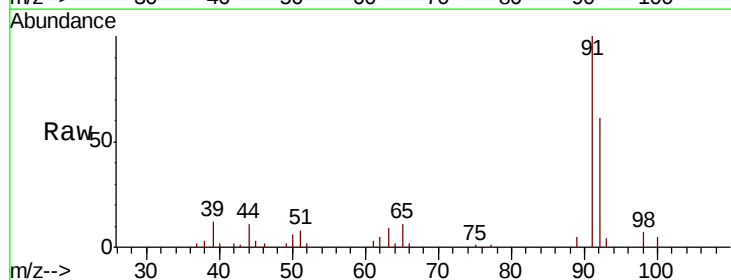
Instrument :
MSVOA_V
ClientSampled :

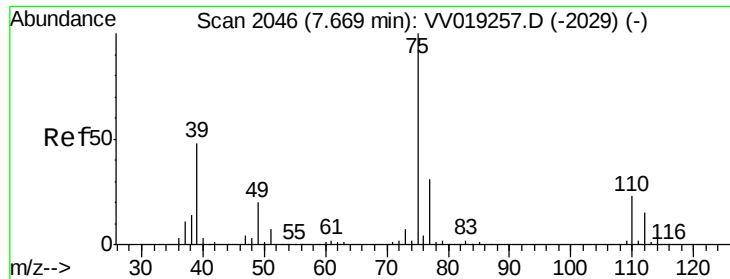
Tot Ion: 43 Resp: 8443
Ion Ratio Lower Upper
43 100
58 34.3 30.5 45.7
100 15.5 12.7 19.1



#42
Toluene
Concen: 2.389 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 91 Resp: 13995
Ion Ratio Lower Upper
91 100
92 61.0 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 2.256 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

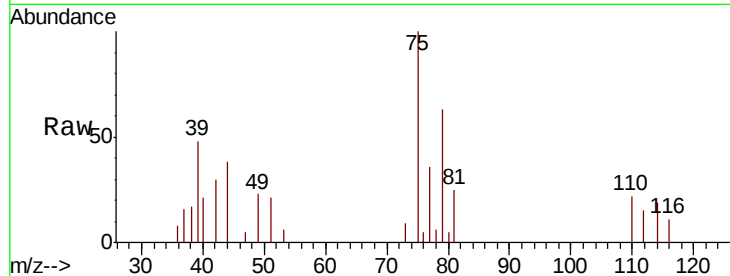
ClientSampled :

Tot Ion: 75 Resp: 5350

Ion Ratio Lower Upper

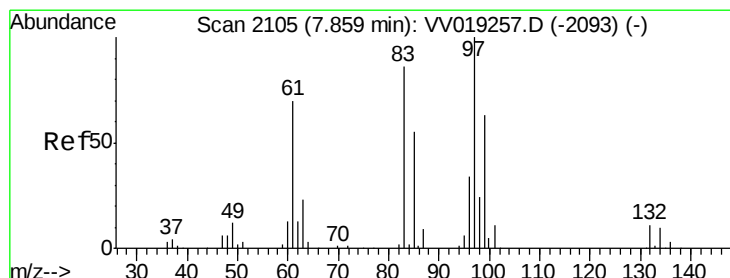
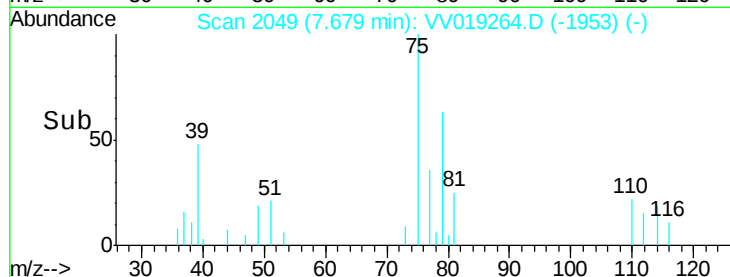
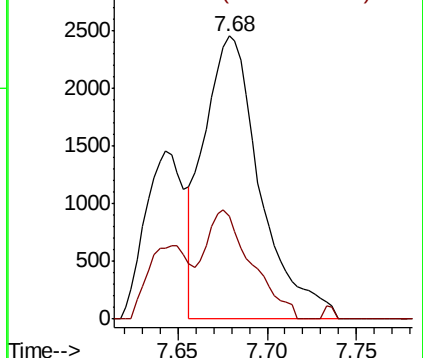
75 100

77 36.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 2.413 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion: 97 Resp: 3450

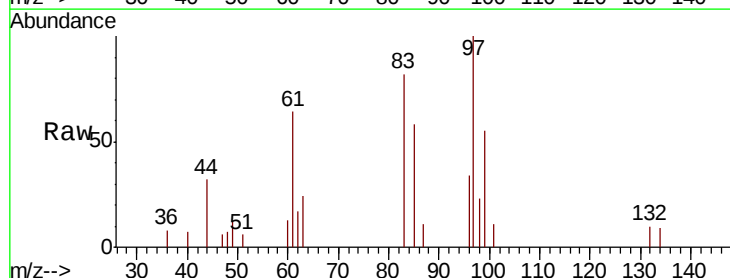
Ion Ratio Lower Upper

97 100

99 55.4 45.1 83.9

83 82.5 57.6 107.0

85 58.2 37.8 70.2

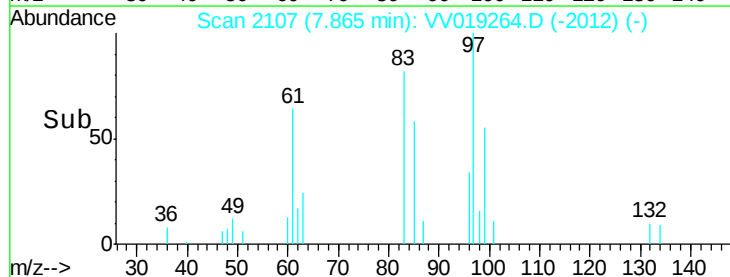
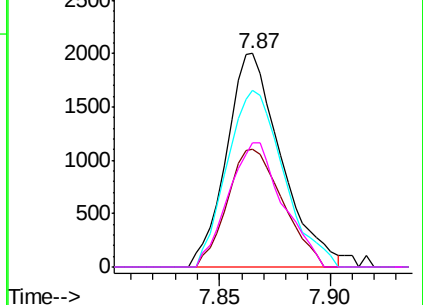


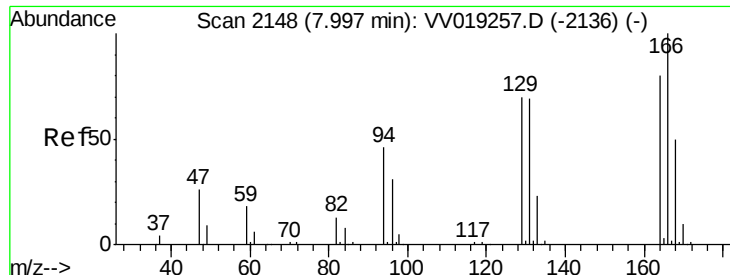
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 1.932 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2322

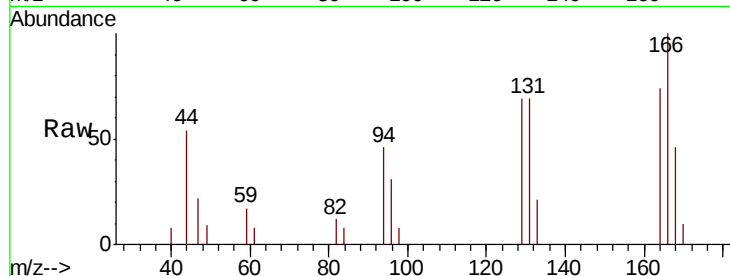
Ion Ratio Lower Upper

164 100

129 92.7 62.6 116.3

131 92.8 59.0 109.6

166 134.8 88.0 163.4

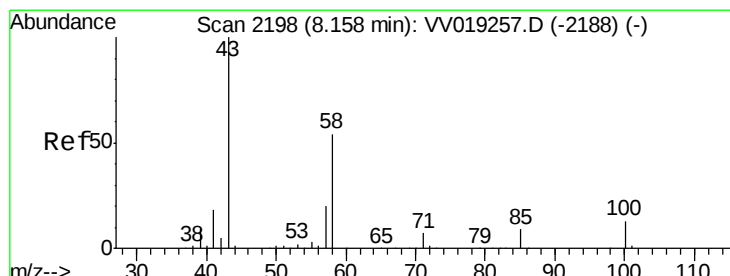
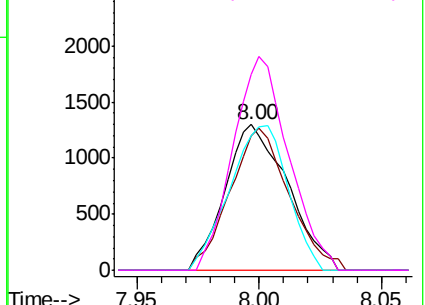
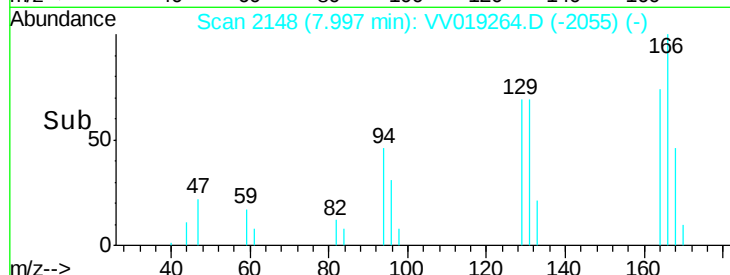


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 7.124 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion: 43 Resp: 10466

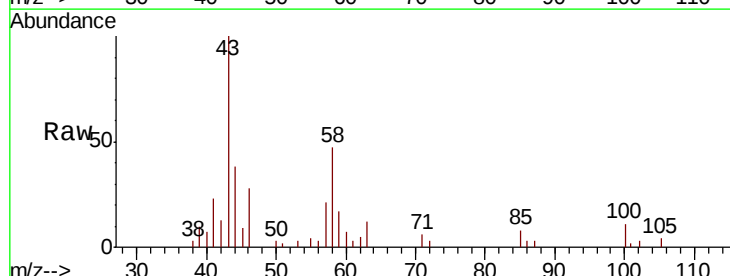
Ion Ratio Lower Upper

43 100

58 44.8 42.6 63.8

57 18.9 15.8 23.8

100 8.9 10.4 15.6#

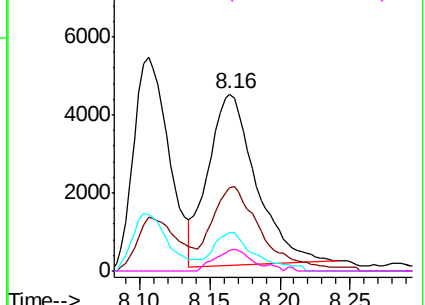
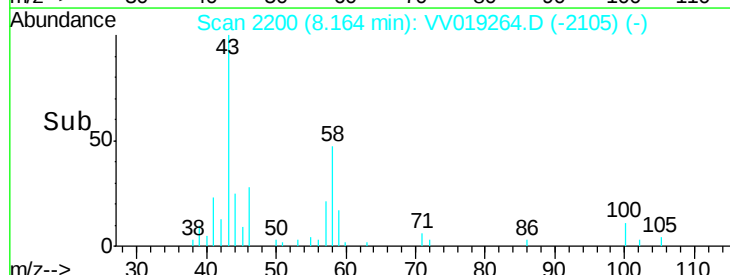


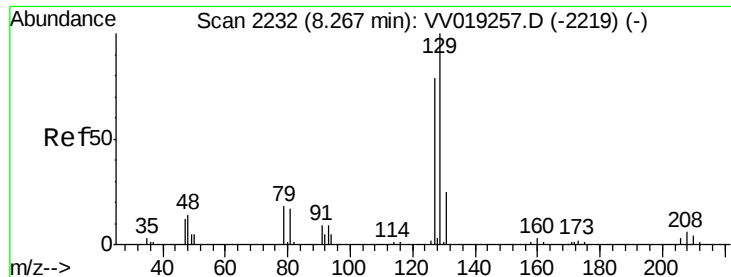
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

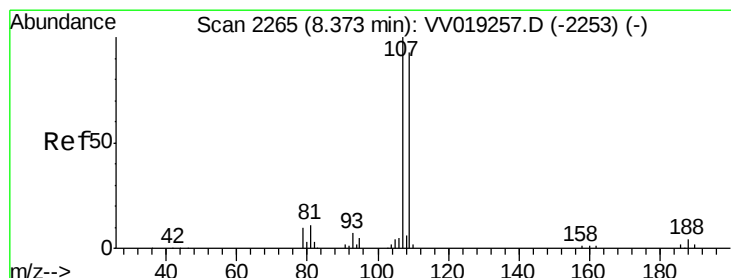
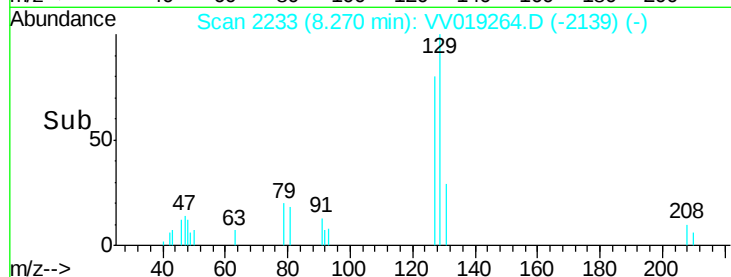
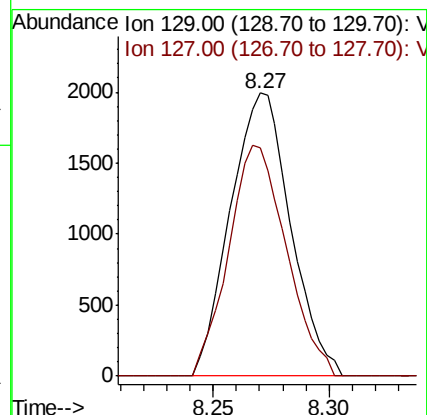
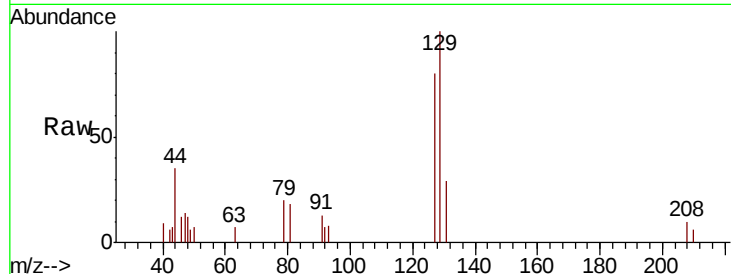




#49
Dibromochloromethane
Concen: 2.109 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

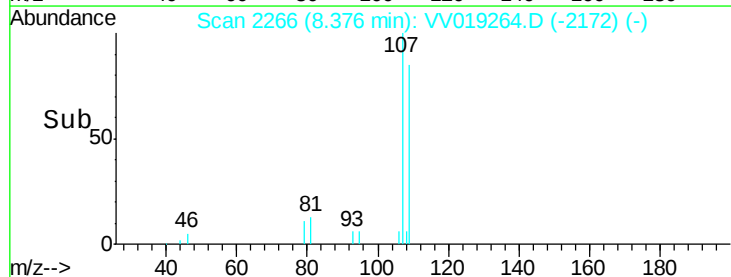
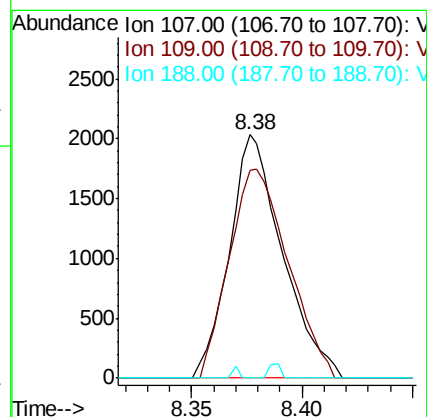
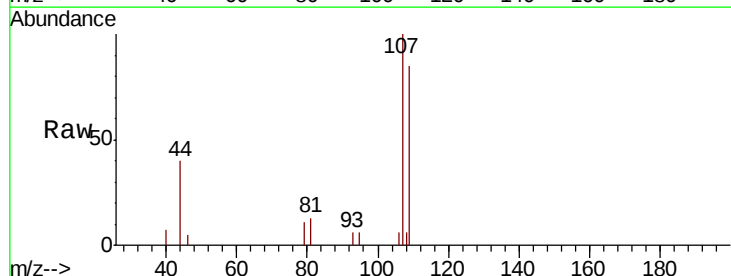
Instrument :
MSVOA_V
ClientSampled :

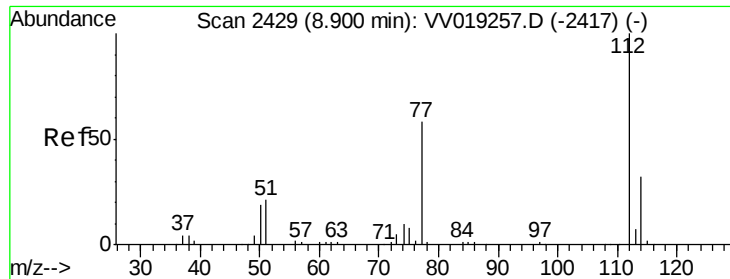
Tot Ion:129 Resp: 3596
Ion Ratio Lower Upper
129 100
127 80.5 54.4 101.0



#50
1,2-Dibromoethane
Concen: 2.289 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion:107 Resp: 3392
Ion Ratio Lower Upper
107 100
109 85.2 64.8 120.4
188 0.0 3.8 5.8#

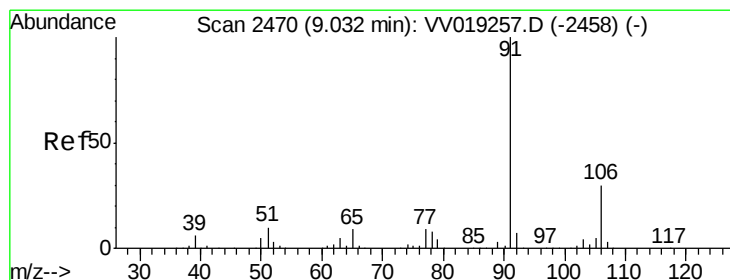
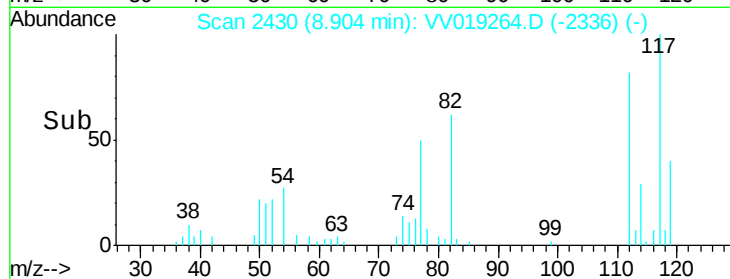
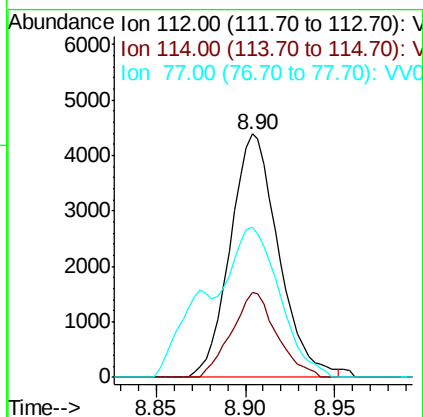
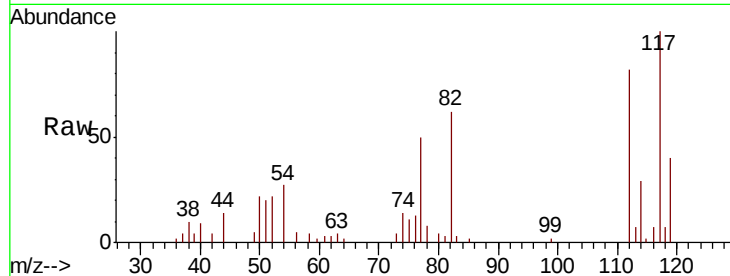




#51
Chlorobenzene
Concen: 2.110 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

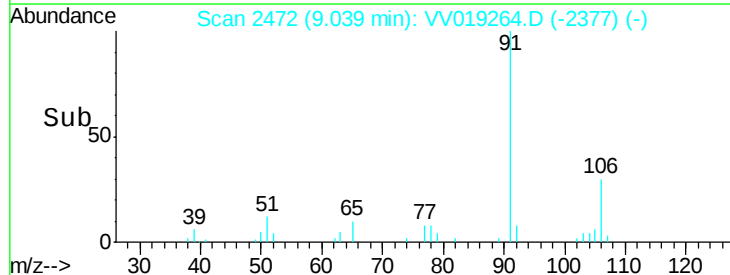
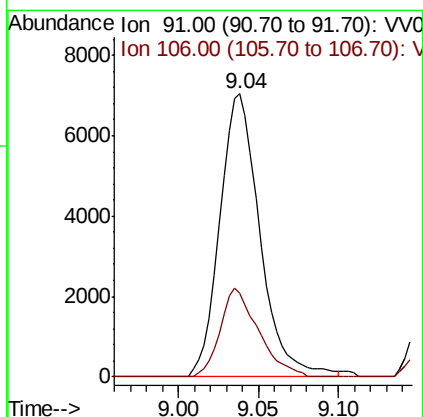
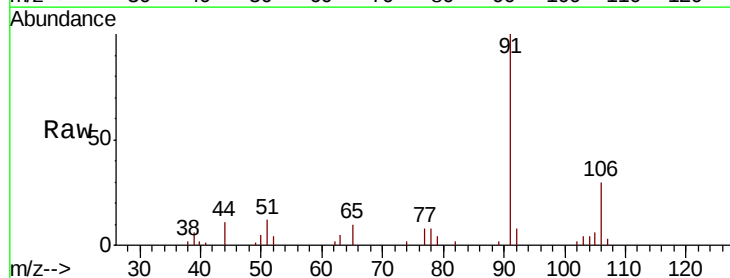
Instrument :
MSVOA_V
ClientSampled :

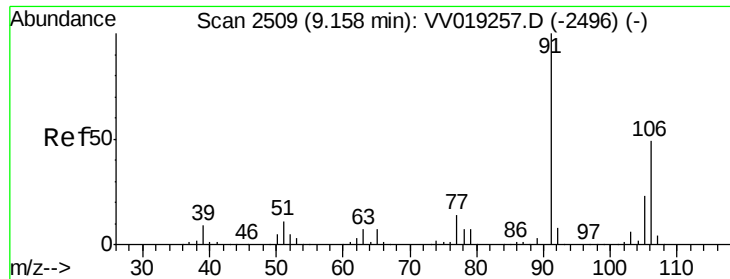
Tot Ion: 112 Resp: 8270
Ion Ratio Lower Upper
112 100
114 34.7 22.7 42.1
77 61.5 47.3 70.9



#52
Ethylbenzene
Concen: 1.874 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 91 Resp: 12116
Ion Ratio Lower Upper
91 100
106 29.8 21.6 40.0





#53

m,p-Xylene

Concen: 1.870 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

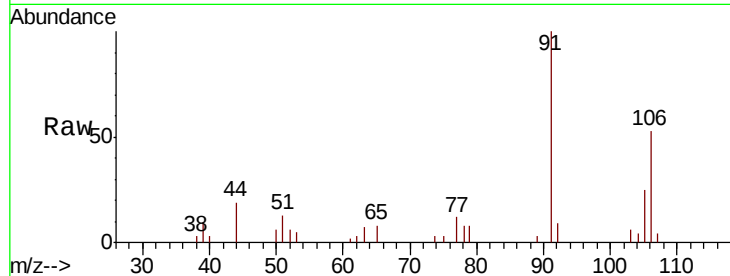
ClientSampled :

Tot Ion:106 Resp: 4525

Ion Ratio Lower Upper

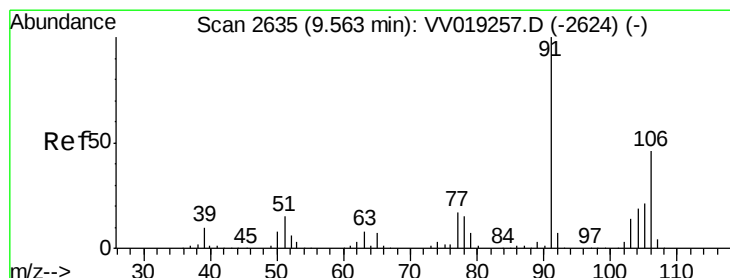
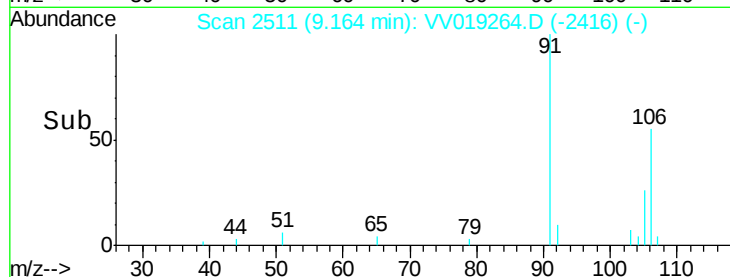
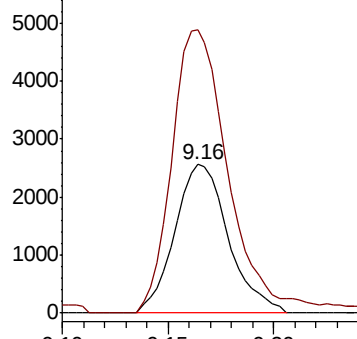
106 100

91 190.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 1.888 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019264.D

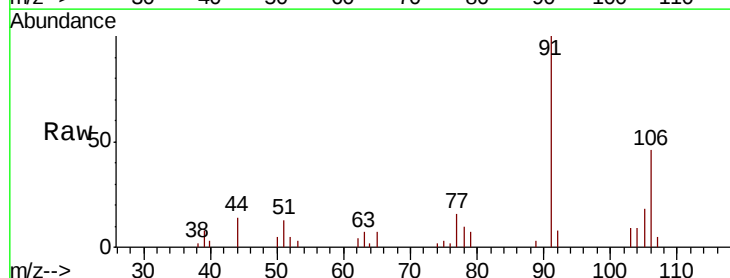
Acq: 05 Nov 2020 00:20

Tgt Ion:106 Resp: 4503

Ion Ratio Lower Upper

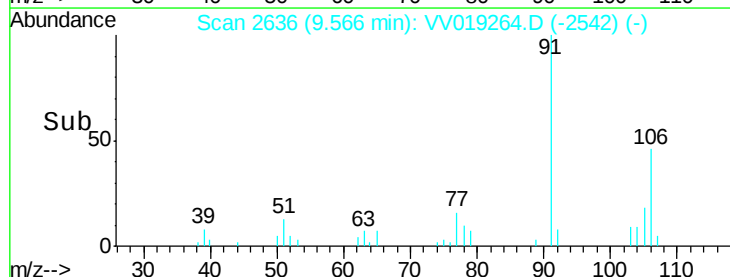
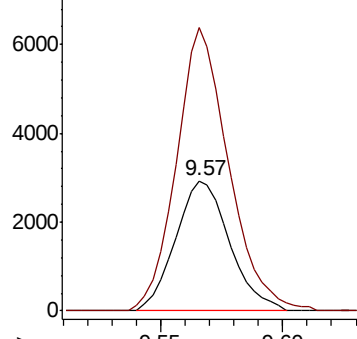
106 100

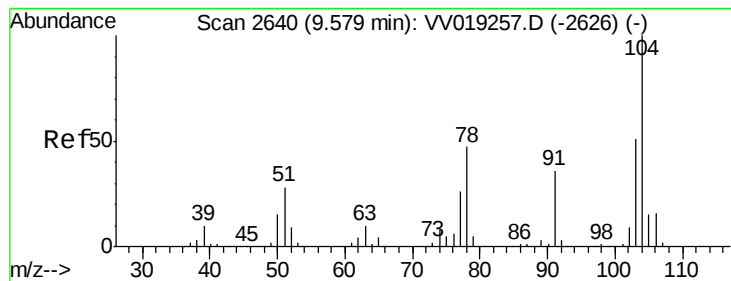
91 217.5 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.749 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

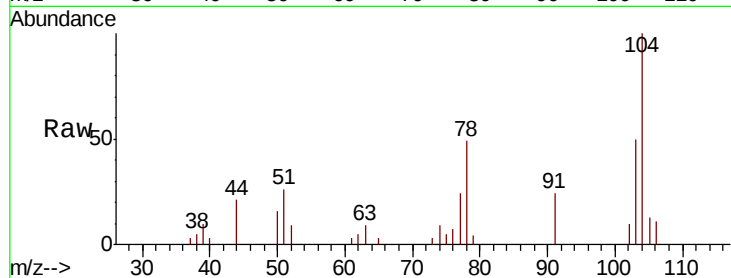
ClientSampled :

Tot Ion:104 Resp: 7424

Ion Ratio Lower Upper

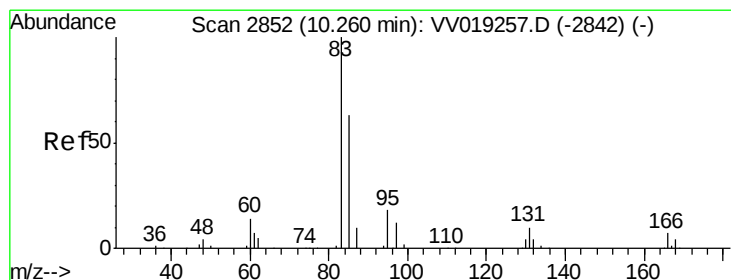
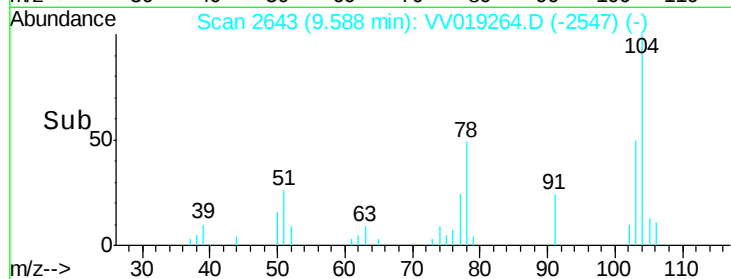
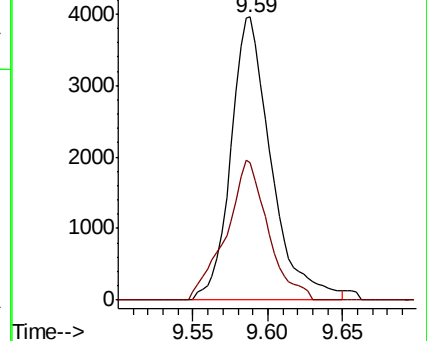
104 100

78 48.6 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019257.D (-2626) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-2626) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.323 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

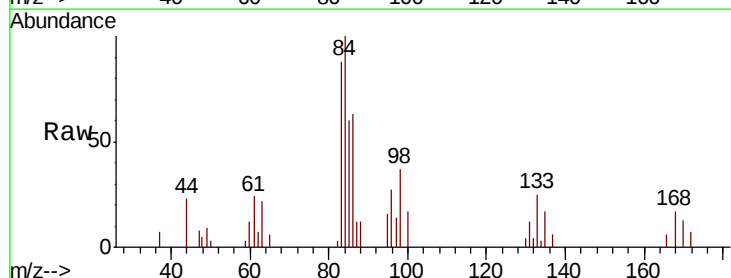
Tgt Ion: 83 Resp: 5024

Ion Ratio Lower Upper

83 100

85 68.3 45.0 83.6

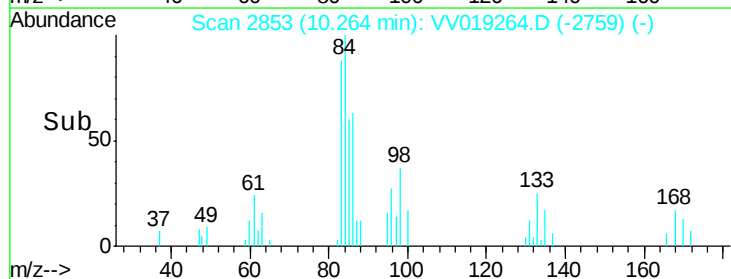
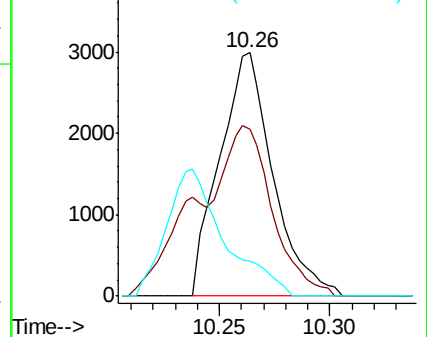
131 14.1 8.9 13.3#

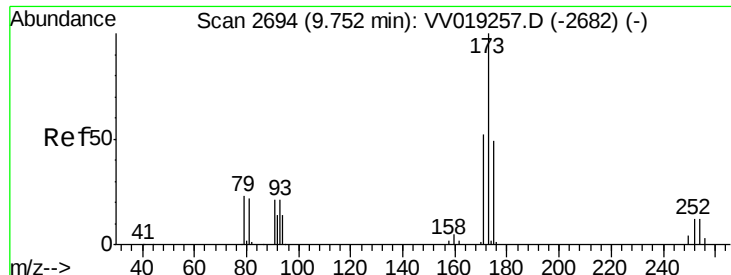


Abundance Ion 83.00 (82.70 to 83.70): VV019257.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV019257.D (-2842) (-)

Ion 131.00 (130.70 to 131.70): VV019257.D (-2842) (-)

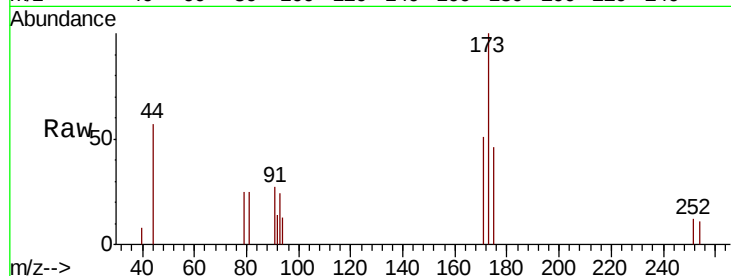




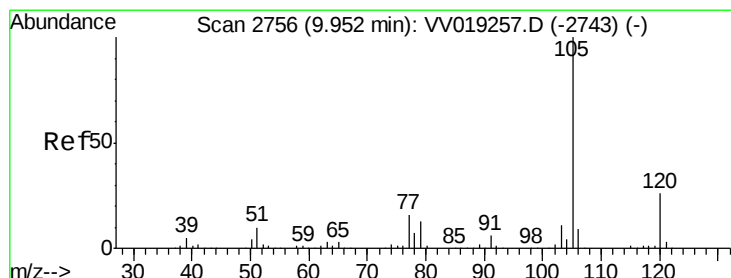
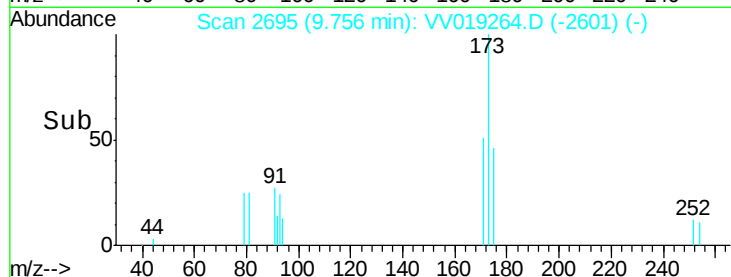
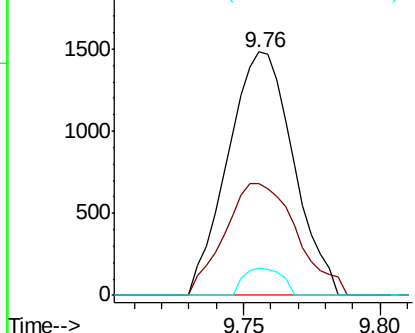
#59
Bromoform
Concen: 2.100 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 2470
Ion Ratio Lower Upper
173 100
175 50.9 38.4 57.6
254 6.5 9.0 13.6#

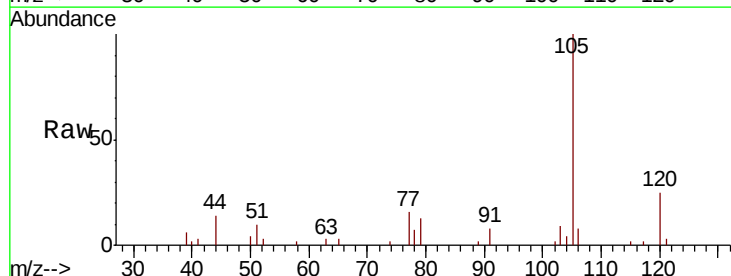


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

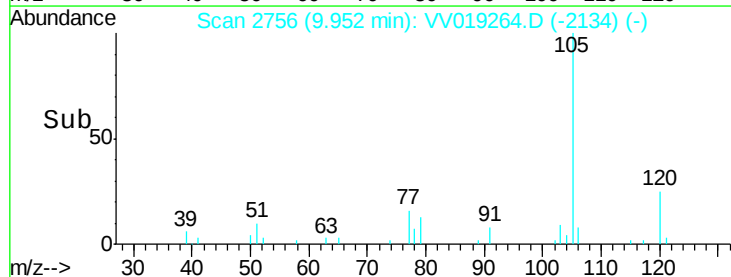
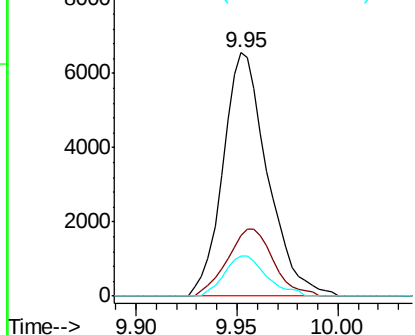


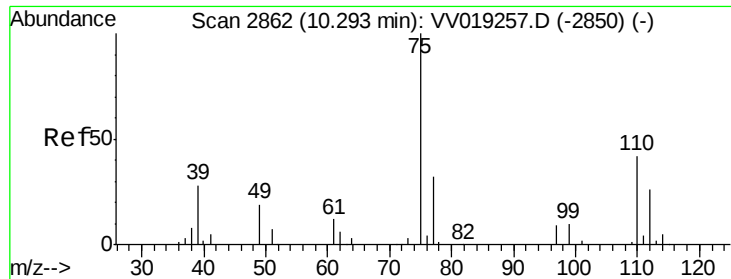
#60
Isopropylbenzene
Concen: 1.822 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion:105 Resp: 10119
Ion Ratio Lower Upper
105 100
120 28.3 21.0 31.4
77 15.5 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

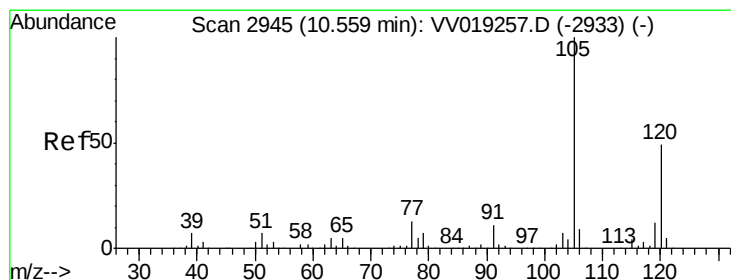
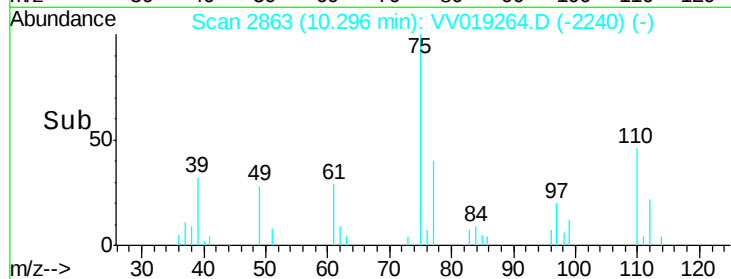
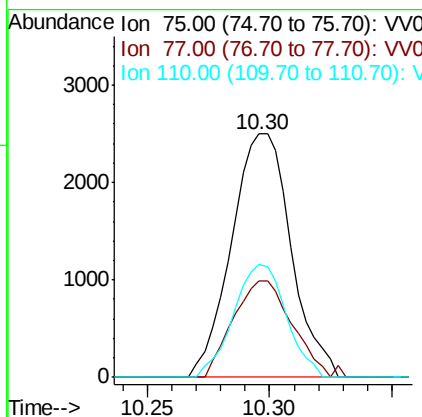
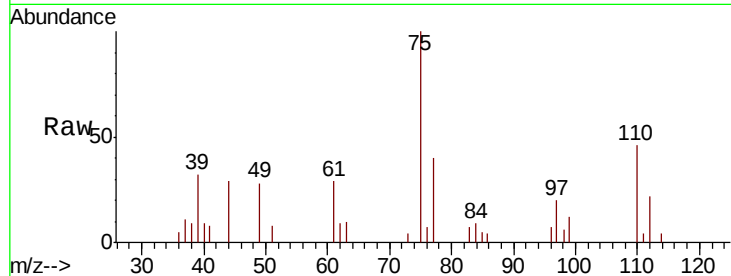




#61
 1,2,3-Trichloropropane
 Concen: 2.571 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

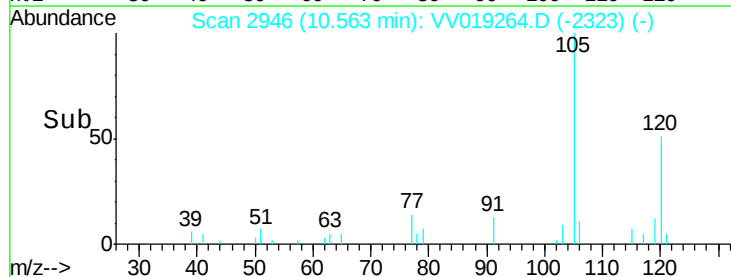
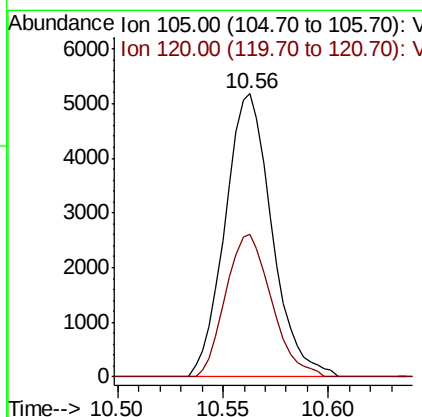
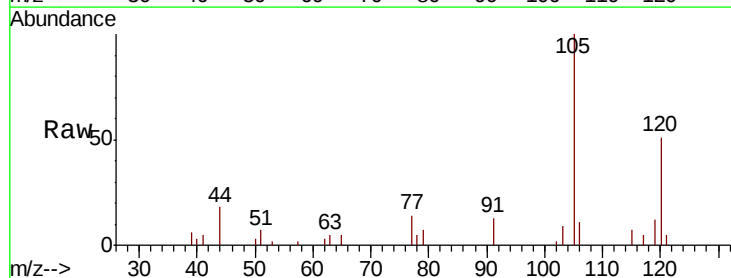
Instrument :
 MSVOA_V
 ClientSampleId :

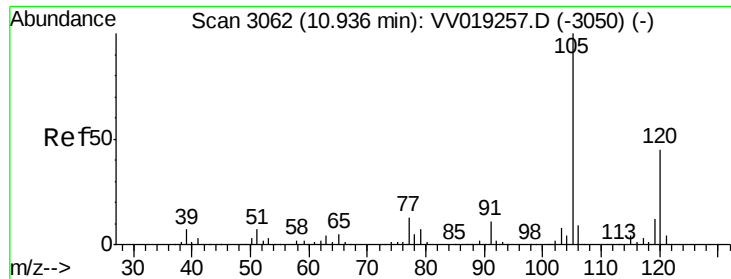
Tot Ion: 75 Resp: 4232
 Ion Ratio Lower Upper
 75 100
 77 38.9 24.8 37.2#
 110 41.0 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 1.729 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion: 105 Resp: 7999
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.3 57.5

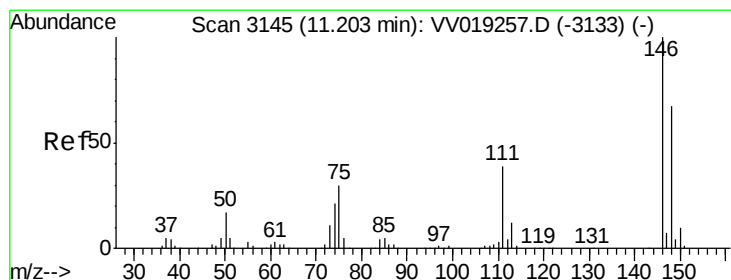
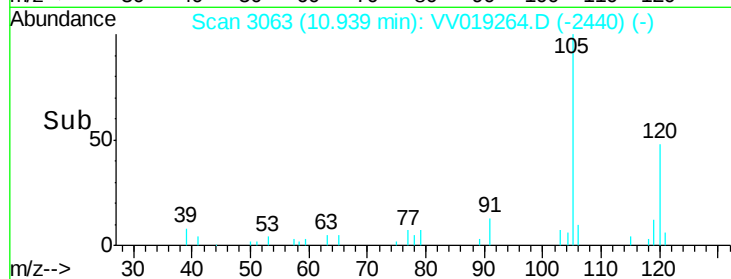
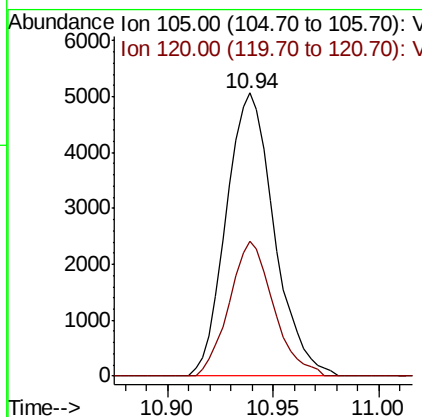
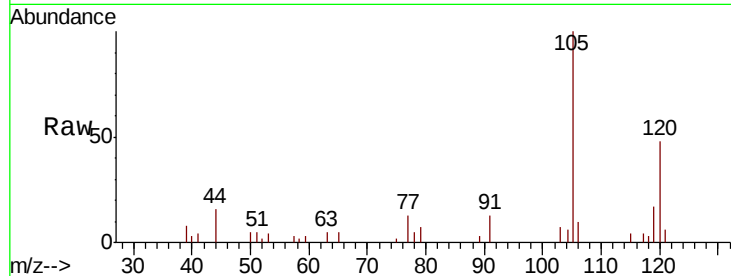




#63
 1,2,4-Trimethylbenzene
 Concen: 1.769 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

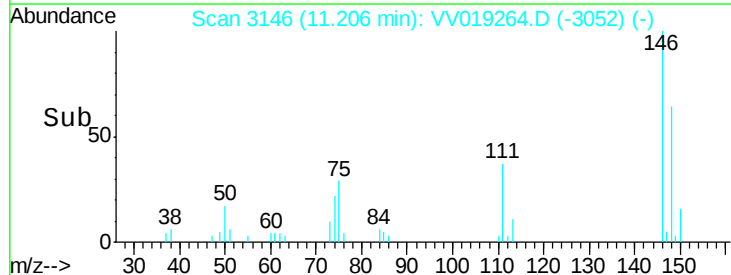
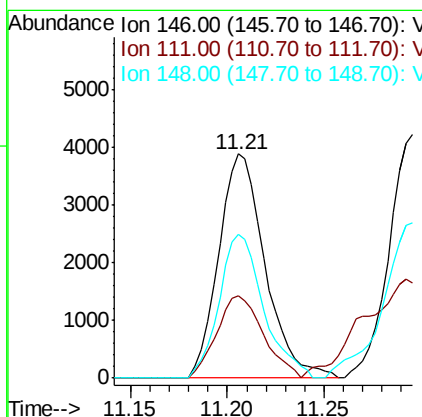
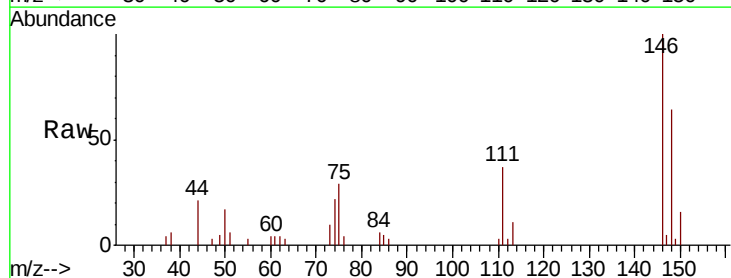
Instrument :
 MSVOA_V
 ClientSampled :

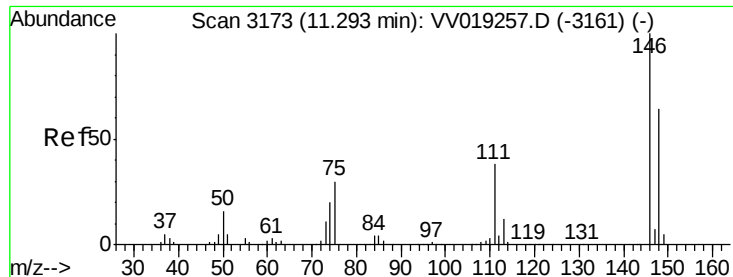
Tot Ion:105 Resp: 8006
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 2.224 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion:146 Resp: 6460
 Ion Ratio Lower Upper
 146 100
 111 36.7 27.3 50.7
 148 64.3 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 2.285 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019264.D

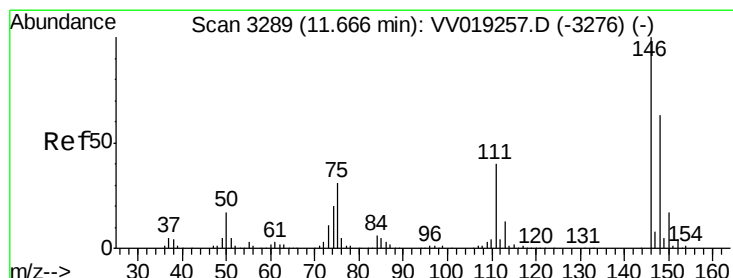
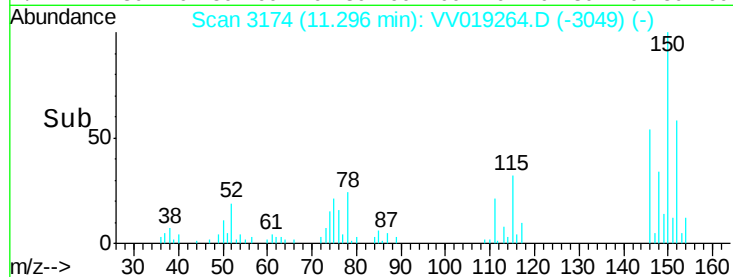
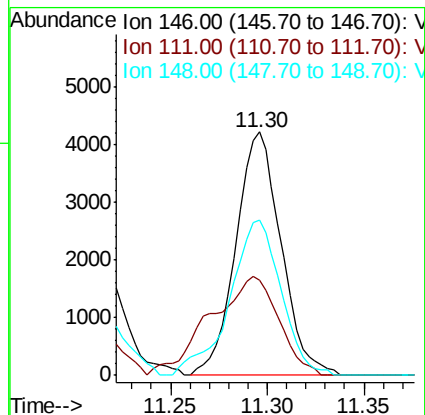
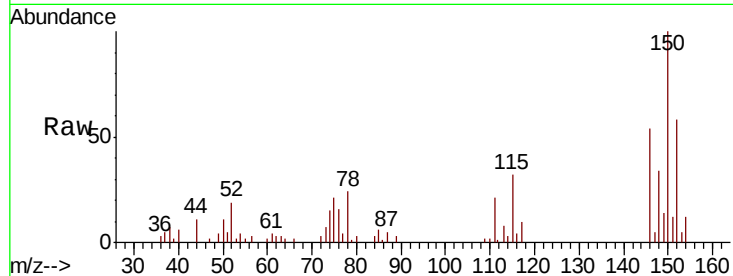
Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	6866
Ion Ratio	Lower	Upper
146	100	
111	39.2	25.9 48.1
148	63.8	44.9 83.5



#67

1,2-Dichlorobenzene

Concen: 2.335 ug/L

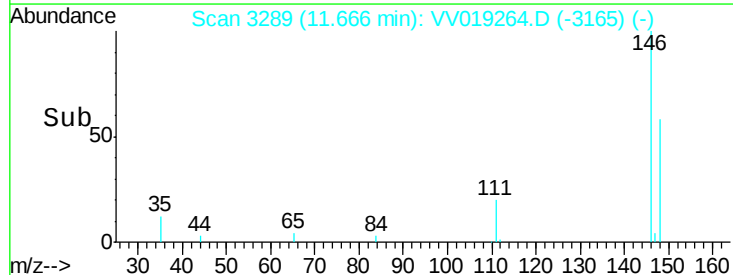
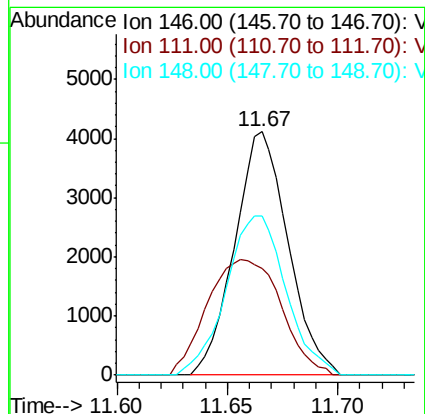
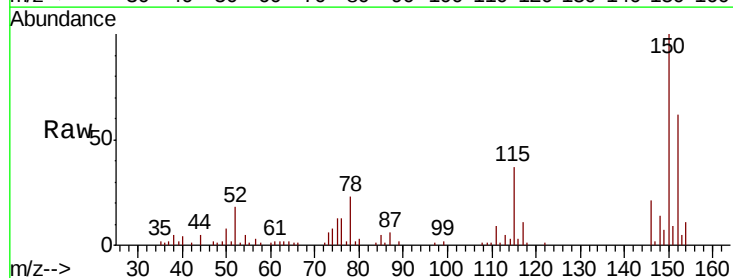
RT: 11.67 min Scan# 3289

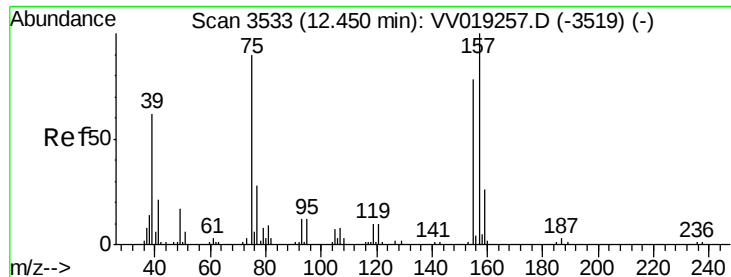
Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion:146	Resp:	6940
Ion Ratio	Lower	Upper
146	100	
111	43.8	32.6 48.8
148	65.1	50.1 75.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.353 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

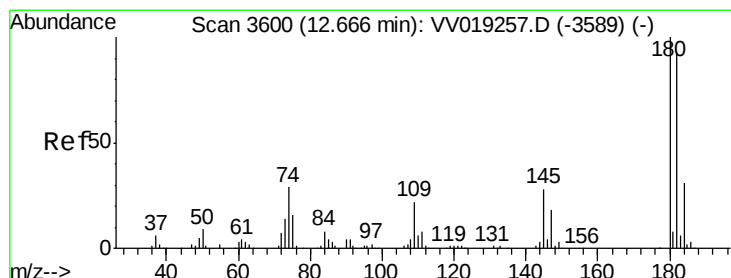
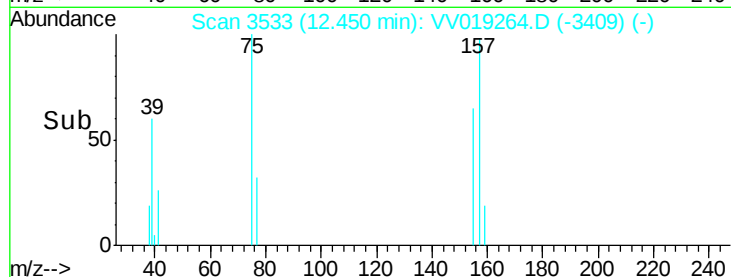
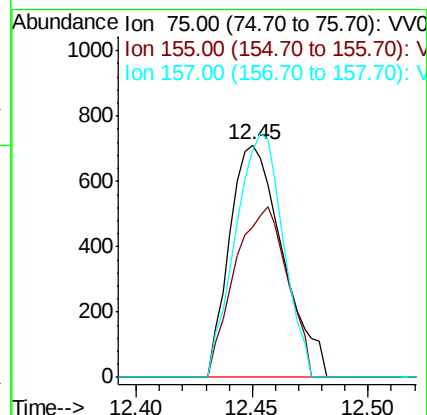
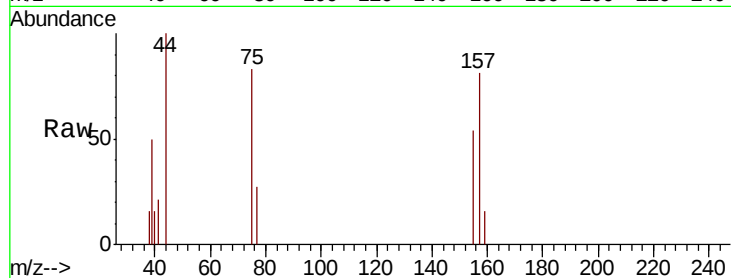
Tot Ion: 75 Resp: 1130

Ion Ratio Lower Upper

75 100

155 64.7 65.8 98.6#

157 98.0 86.3 129.5



#69

1,3,5-Trichlorobenzene

Concen: 1.989 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion: 180 Resp: 4148

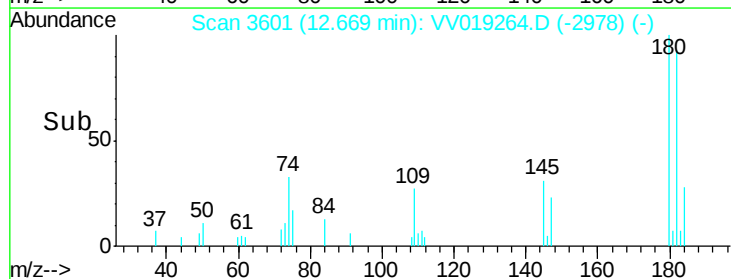
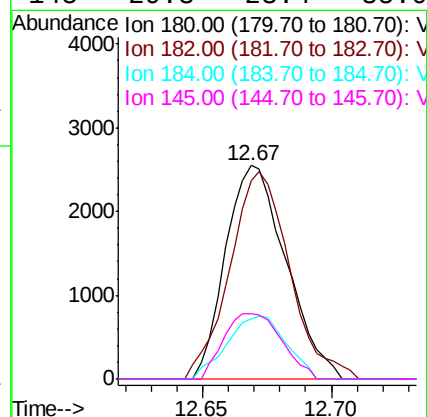
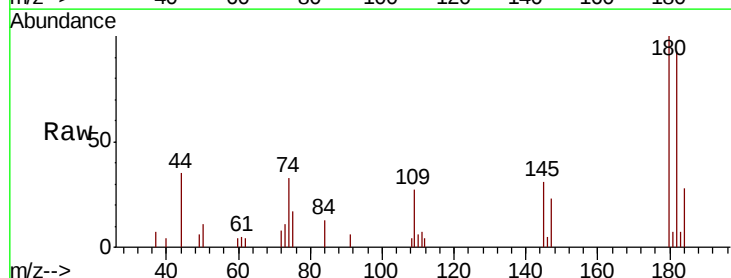
Ion Ratio Lower Upper

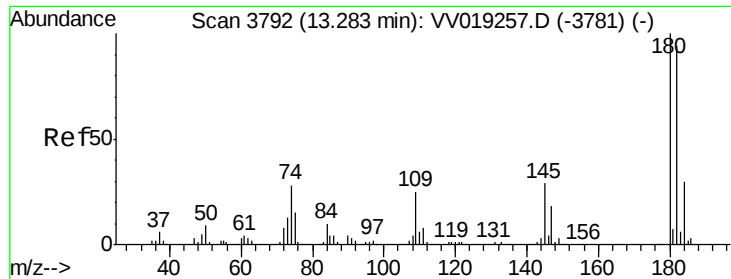
180 100

182 96.2 77.7 116.5

184 28.8 24.9 37.3

145 29.3 23.4 35.0

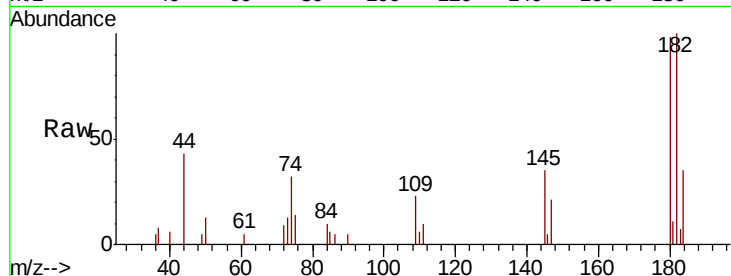




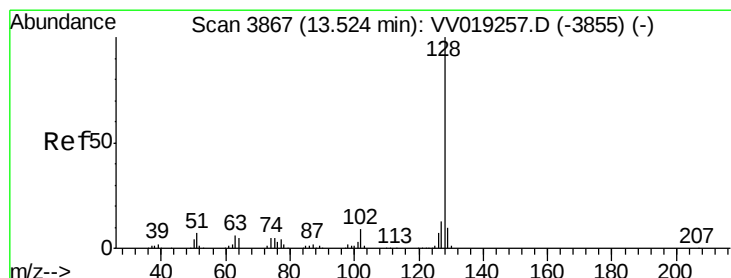
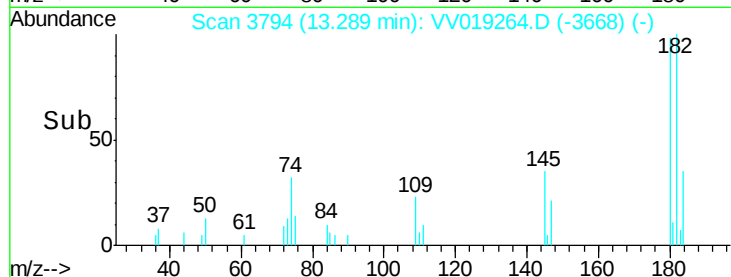
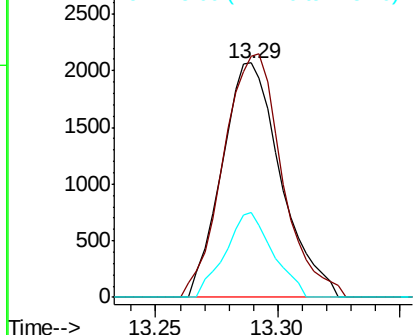
#70
 1,2,4-trichlorobenzene
 Concen: 1.770 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 3472
 Ion Ratio Lower Upper
 180 100
 182 103.5 76.6 114.8
 145 29.2 23.2 34.8

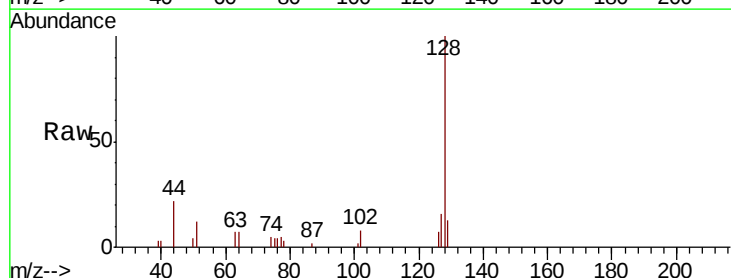


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

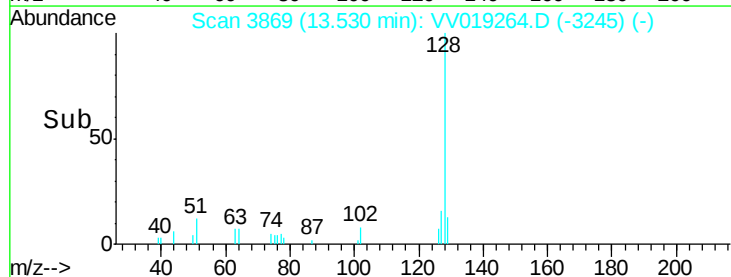
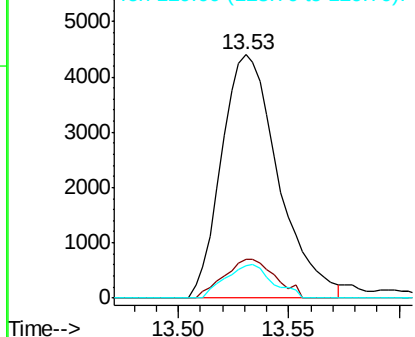


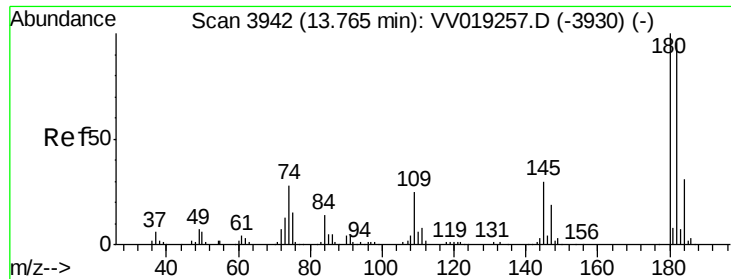
#71
 Naphthalene
 Concen: 1.420 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion:128 Resp: 7855
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.7 16.1
 129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

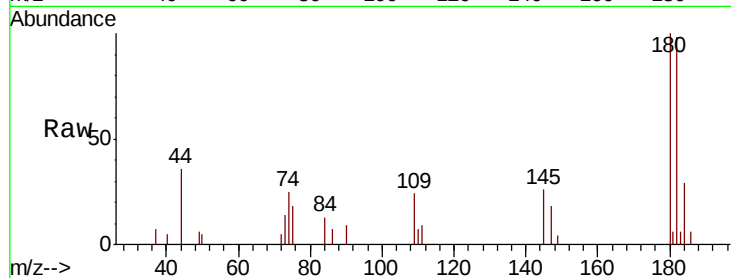




#72
 1,2,3-Trichlorobenzene
 Concen: 1.987 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.4	116.0
145	25.7	24.7	37.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

