

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019266.D
 Acq On : 05 Nov 2020 01:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:08:03 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	234296	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223077	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	116777	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76040	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.58	69	68073	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.08%
11) 1,1-Dichloroethene-d2	2.13	63	153236	45.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.54%
21) 2-Butanone-d5	3.91	46	121278	121.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.64%
24) Chloroform-d	4.38	84	167892	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.06	65	117164	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.07	84	299147	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
36) 1,2-Dichloropropane-d6	6.09	67	94810	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.10%
41) Toluene-d8	7.34	98	265235	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.64	79	52251	50.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.36%
47) 2-Hexanone-d5	8.11	63	83036	116.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.30%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	132038	53.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	113648	48.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	64412	44.874	ug/L	98
3) Chloromethane	1.25	50	80774	54.043	ug/L	99
5) Vinyl chloride	1.32	62	82624	53.108	ug/L	100
6) Bromomethane	1.53	94	60137	57.516	ug/L	96
8) Chloroethane	1.60	64	58710	57.700	ug/L	100
9) Trichlorofluoromethane	1.77	101	125182	48.604	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	57520	47.002	ug/L	100
12) 1,1-Dichloroethene	2.13	96	65664	51.915	ug/L	92
13) Acetone	2.19	43	83709	110.404	ug/L	98
14) Carbon disulfide	2.31	76	178799	49.229	ug/L	99
15) Methyl Acetate	2.45	43	89375	60.836	ug/L	97
16) Methylene chloride	2.52	84	84106	55.937	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	72872	53.108	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	275448	57.108	ug/L	99
19) 1,1-Dichloroethane	3.21	63	151047	56.184	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	83758	55.236	ug/L	100
22) 2-Butanone	3.99	43	117362	121.942	ug/L	96

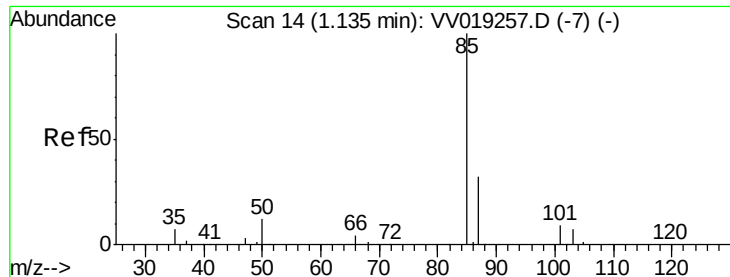
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	46776	56.024	ug/L	97
25) Chloroform	4.40	83	158889	55.125	ug/L	100
27) 1,2-Dichloroethane	5.15	62	135919	55.475	ug/L	98
29) Cyclohexane	4.70	56	85781	44.934	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	135966	52.554	ug/L	98
31) Carbon tetrachloride	4.86	117	111603	49.959	ug/L	98
33) Benzene	5.13	78	311086	56.113	ug/L	100
34) Trichloroethene	5.94	95	78587	52.162	ug/L	99
35) Methylcyclohexane	6.15	83	80030	43.887	ug/L	100
37) 1,2-Dichloropropane	6.20	63	84223	56.925	ug/L	99
38) Bromodichloromethane	6.53	83	119677	56.205	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	132110	55.803	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	242701	122.105	ug/L	100
42) Toluene	7.41	91	323348	53.960	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	135042	55.665	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	84110	57.515	ug/L	98
46) Tetrachloroethene	8.00	164	57343	46.647	ug/L	97
48) 2-Hexanone	8.16	43	183699	122.245	ug/L	99
49) Dibromochloromethane	8.27	129	98986	56.757	ug/L	98
50) 1,2-Dibromoethane	8.37	107	86769	57.243	ug/L	99
51) Chlorobenzene	8.90	112	212285	52.960	ug/L	99
52) Ethylbenzene	9.03	91	338718	51.233	ug/L	100
53) m,p-Xylene	9.16	106	127054	51.331	ug/L	98
54) o-Xylene	9.56	106	129230	52.968	ug/L	97
55) Styrene	9.58	104	236705	54.505	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	126328	57.099	ug/L	100
59) Bromoform	9.75	173	74262	57.298	ug/L	99
60) Isopropylbenzene	9.95	105	315460	51.543	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	107265	59.124	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	272614	53.479	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	268255	53.781	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	170136	53.144	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	175664	53.037	ug/L	99
67) 1,2-Dichlorobenzene	11.66	146	174960	53.419	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	31109	58.777	ug/L	100
69) 1,3,5-Trichlorobenzene	12.67	180	115937	50.456	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	116607	53.933	ug/L	99
71) Naphthalene	13.52	128	362980	59.528	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	121089	56.497	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.874 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

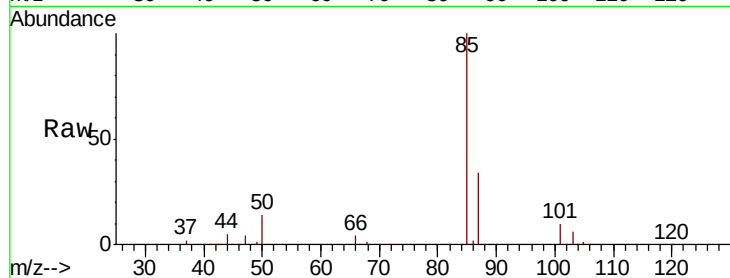
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 64412

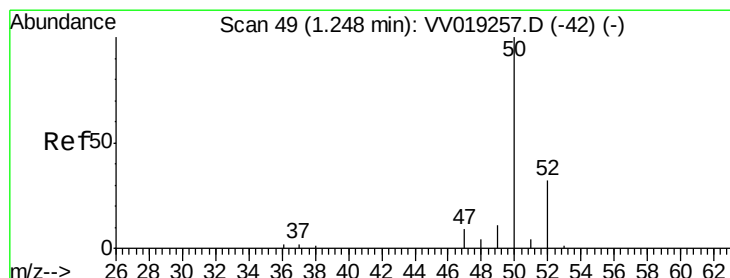
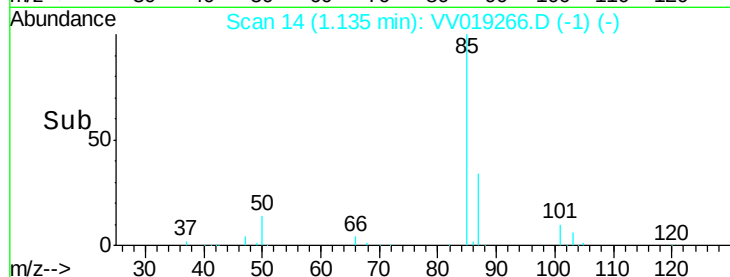
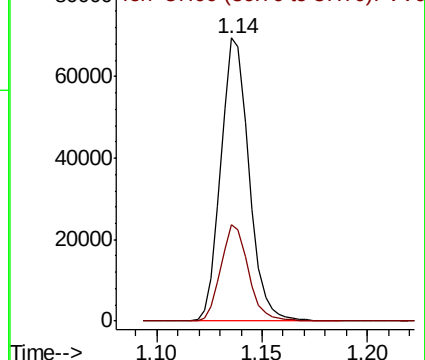
Ion Ratio Lower Upper

85 100

87 33.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 54.043 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019266.D

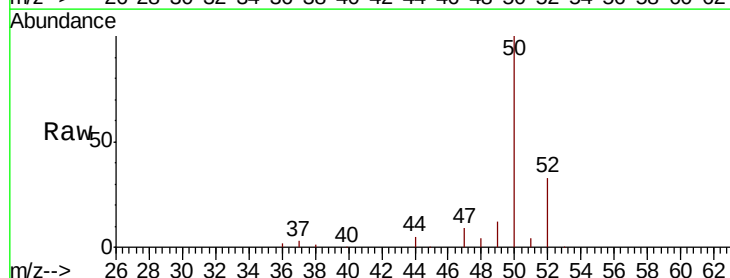
Acq: 05 Nov 2020 01:31

Tgt Ion: 50 Resp: 80774

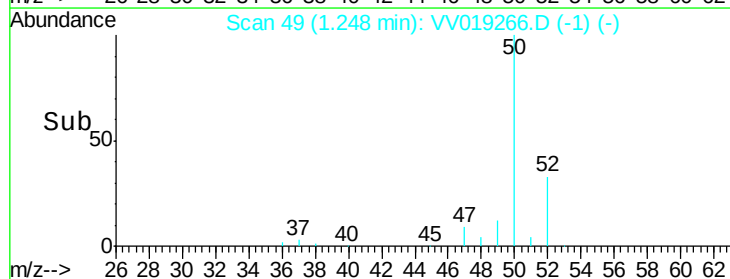
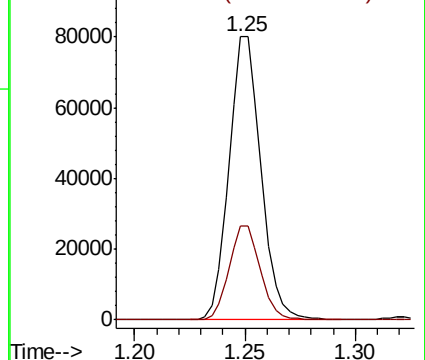
Ion Ratio Lower Upper

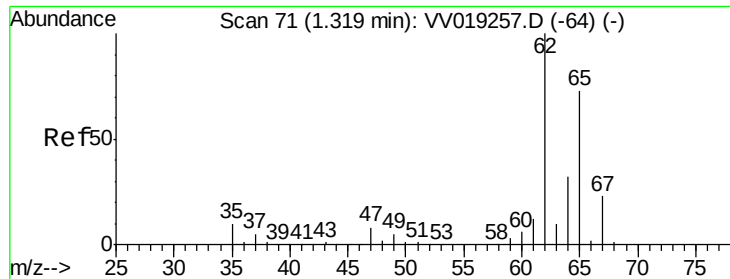
50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 53.108 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

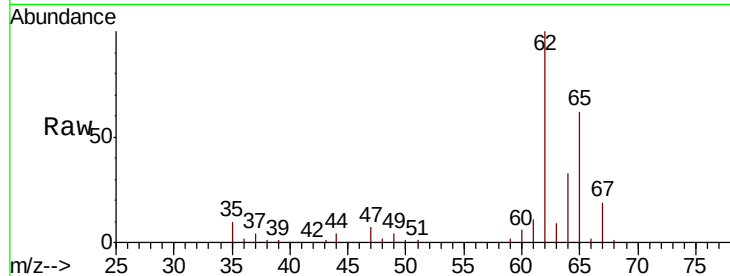
ClientSampled :

Tot Ion: 62 Resp: 82624

Ion Ratio Lower Upper

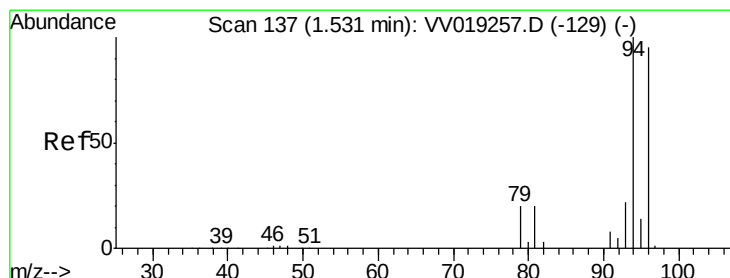
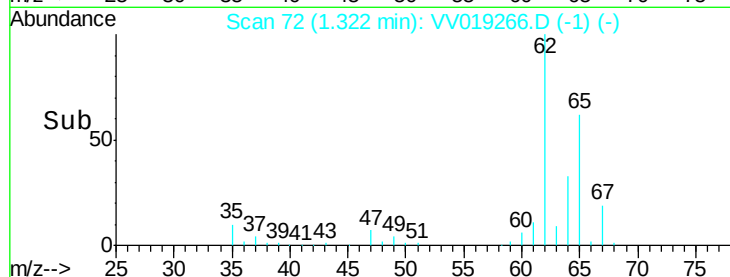
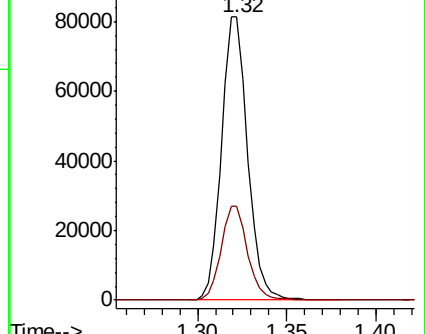
62 100

64 33.1 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: 57.516 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019266.D

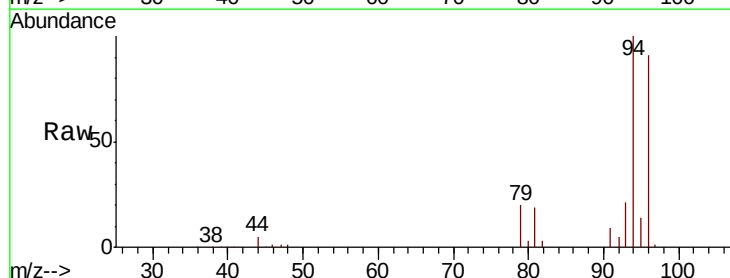
Acq: 05 Nov 2020 01:31

Tgt Ion: 94 Resp: 60137

Ion Ratio Lower Upper

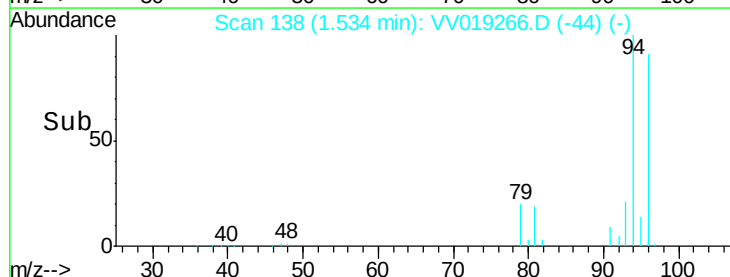
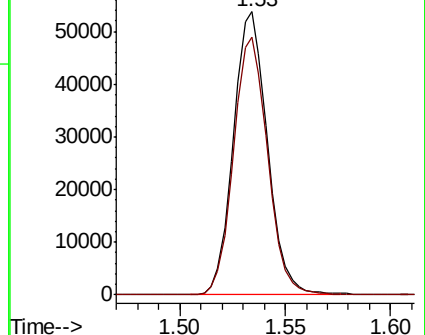
94 100

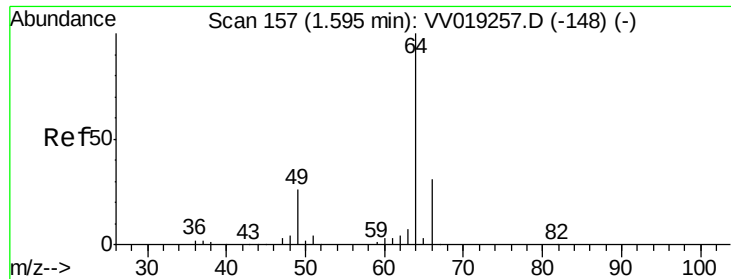
96 91.2 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 57.700 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

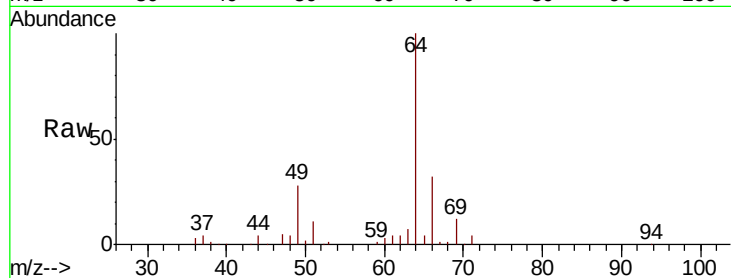
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 58710

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019257.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019257.D (-148) (-)

1.60

60000

50000

40000

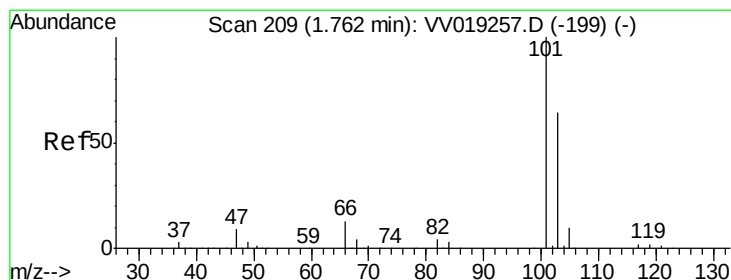
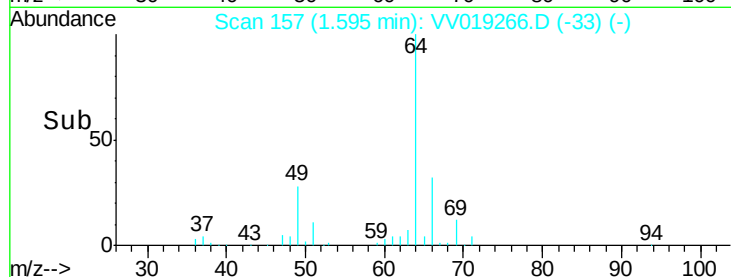
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.604 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019266.D

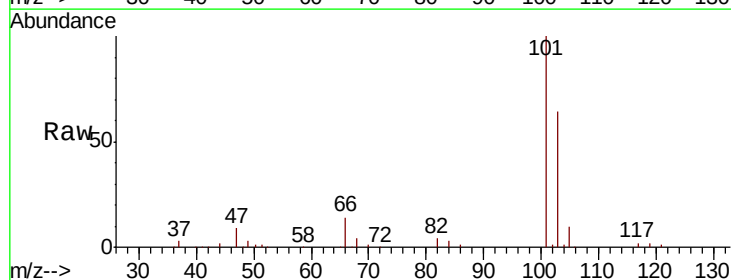
Acq: 05 Nov 2020 01:31

Tgt Ion: 101 Resp: 125182

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019257.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019257.D (-199) (-)

1.77

100000

80000

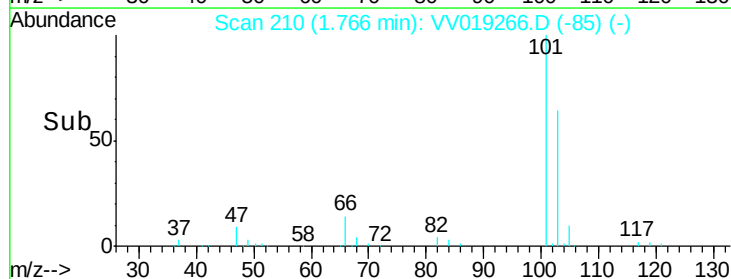
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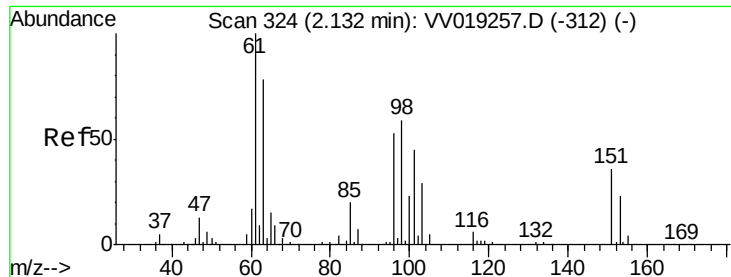
40000

20000

0

Time-->





#10

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

Concen: 47.002 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

ClientSampled :

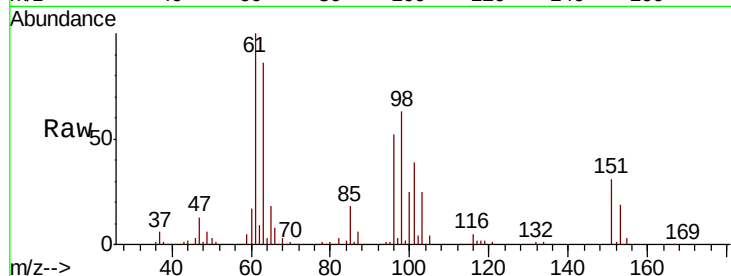
Tot Ion:101 Resp: 57520

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

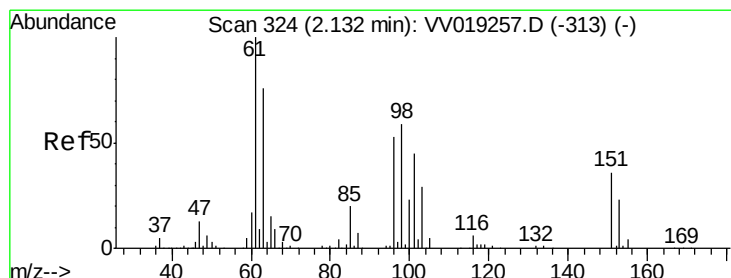
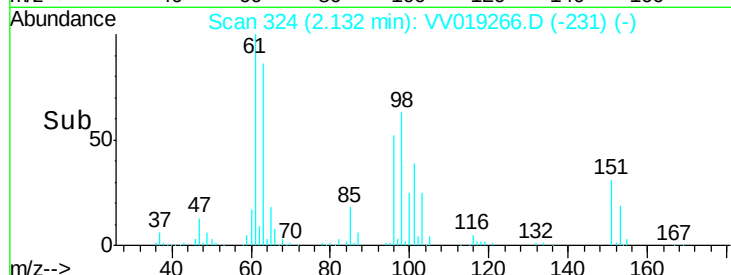
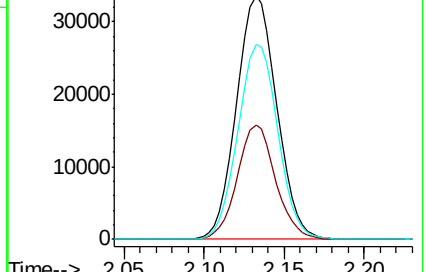
151 79.6 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019257.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV019257.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV019257.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 51.915 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

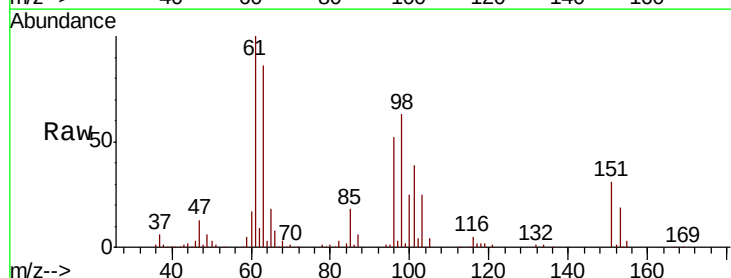
Tgt Ion: 96 Resp: 65664

Ion Ratio Lower Upper

96 100

61 194.0 133.6 248.0

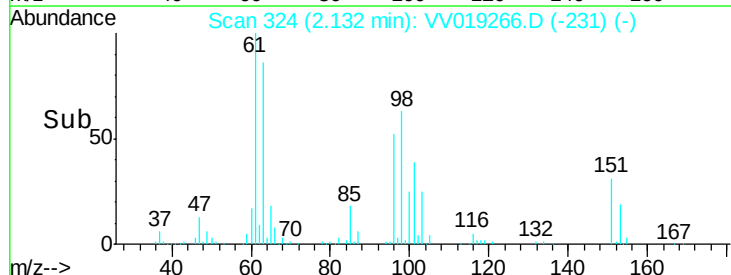
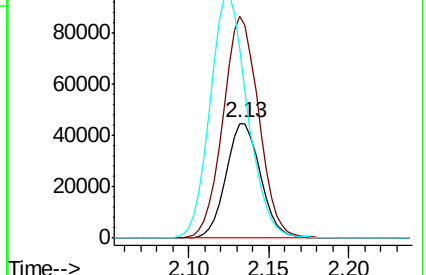
63 166.1 103.0 191.2

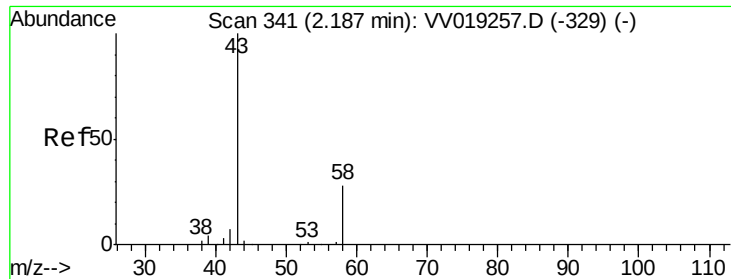


Abundance Ion 96.00 (95.70 to 96.70): VV019266.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019266.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019266.D (-231) (-)





#13

Acetone

Concen: 110.404 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

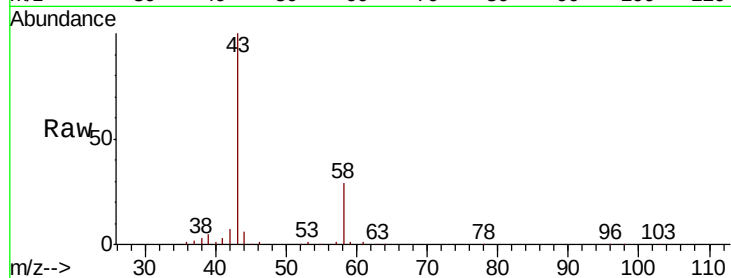
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 83709

Ion Ratio Lower Upper

43 100

58 30.2 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) (-)

2.19

40000

30000

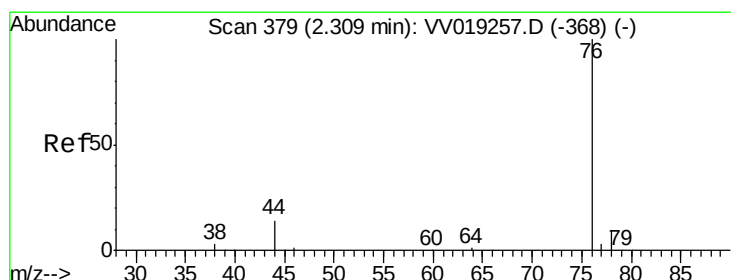
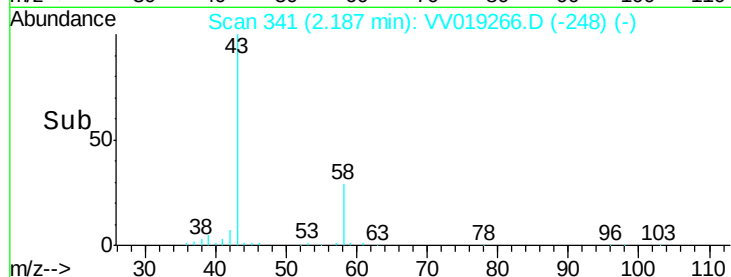
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10000

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Time-->

2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 49.229 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019266.D

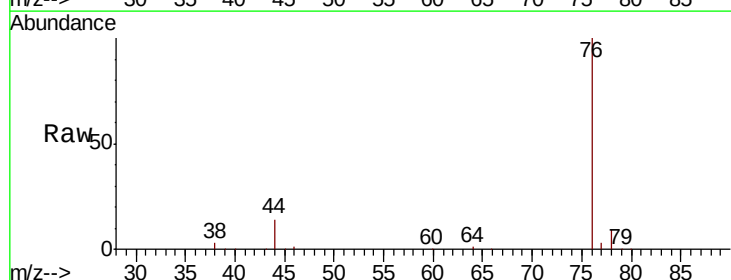
Acq: 05 Nov 2020 01:31

Tgt Ion: 76 Resp: 178799

Ion Ratio Lower Upper

76 100

78 9.4 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) (-)

2.31

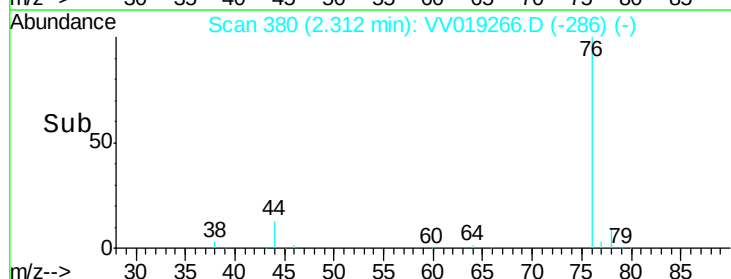
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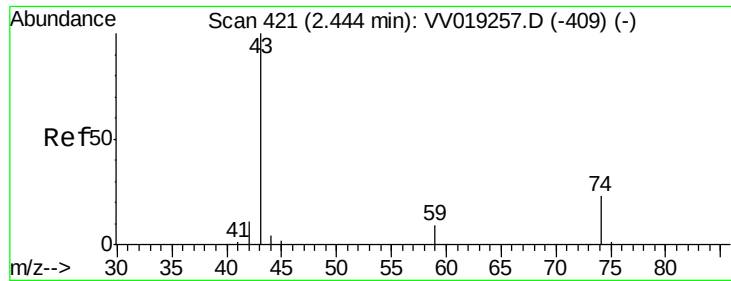
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Time-->

2.25 2.30 2.35 2.40

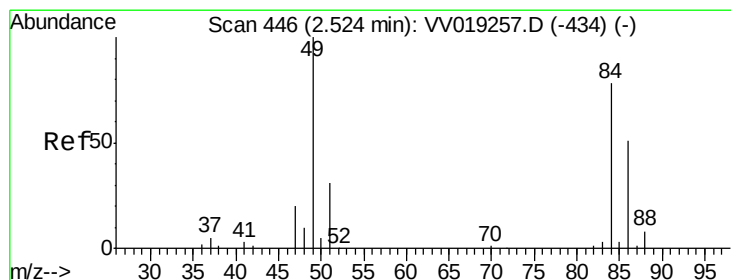
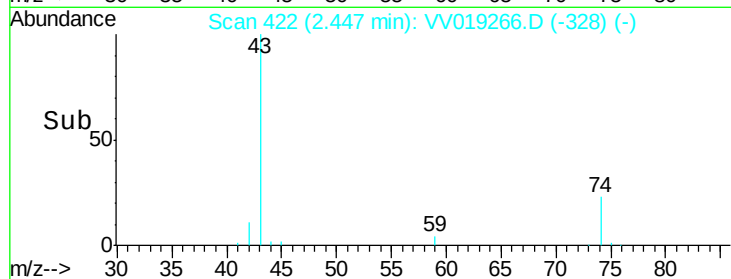
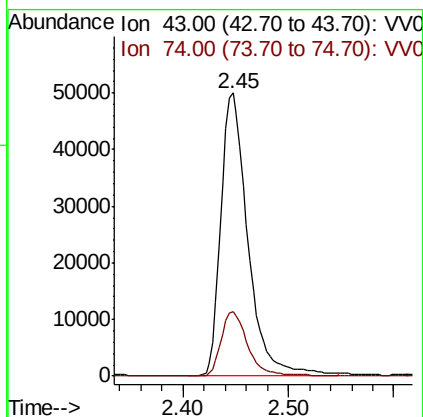
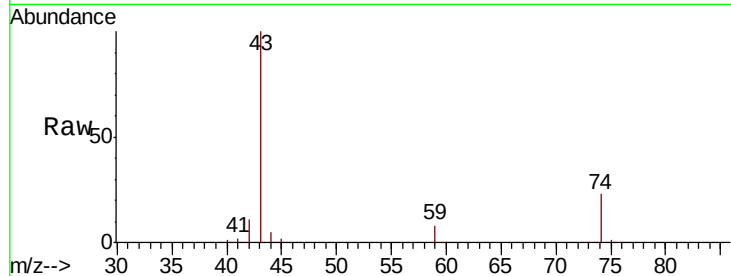




#15
Methyl Acetate
Concen: 60.836 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

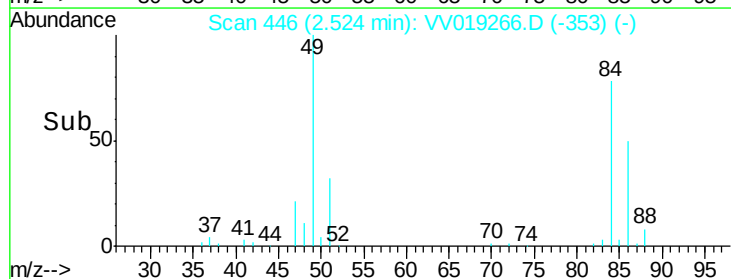
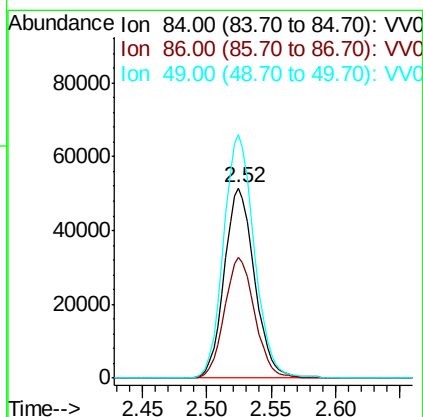
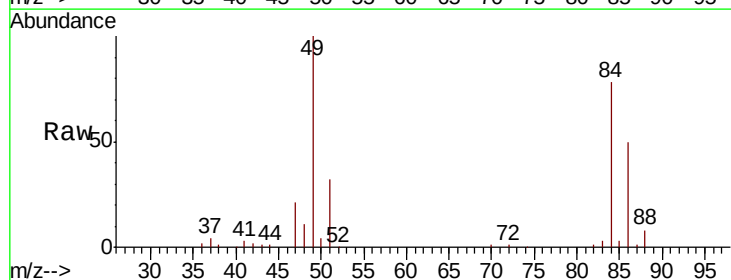
Instrument :
MSVOA_V
ClientSampled :

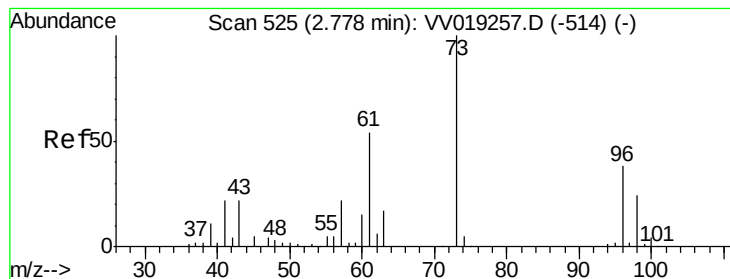
Tot Ion: 43 Resp: 89375
Ion Ratio Lower Upper
43 100
74 21.9 18.8 28.2



#16
Methylene chloride
Concen: 55.937 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion: 84 Resp: 84106
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 128.1 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 53.108 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :
MSVOA_V
ClientSampled :

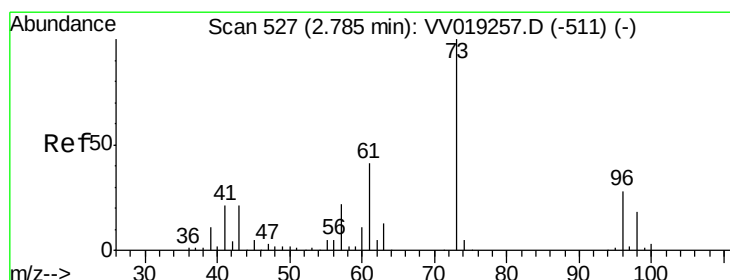
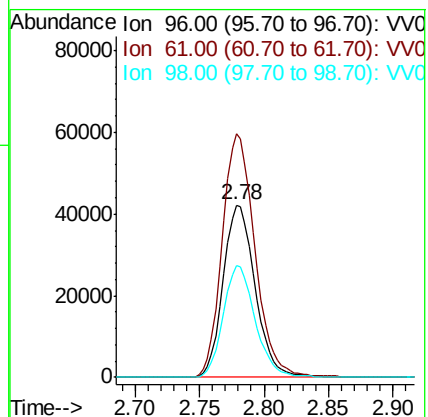
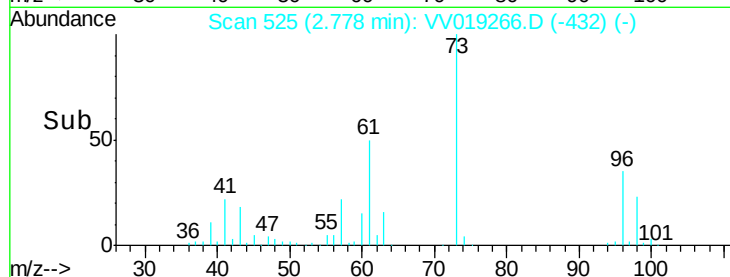
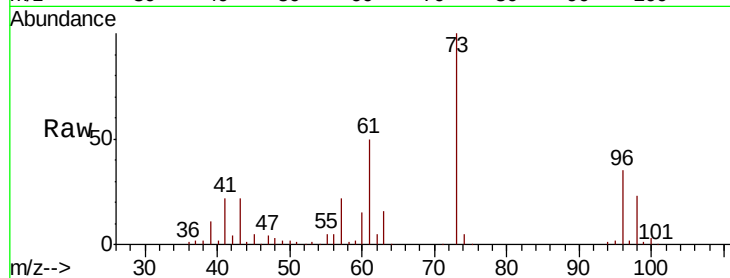
Tot Ion: 96 Resp: 72872

Ion Ratio Lower Upper

96 100

61 141.2 100.7 187.1

98 64.8 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 57.108 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

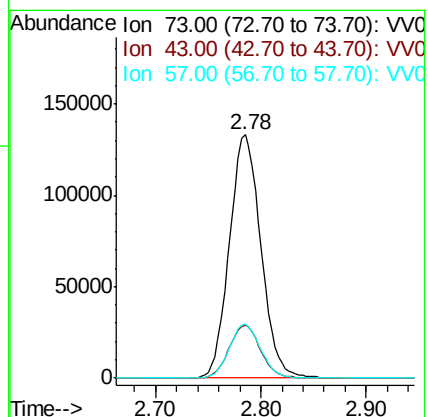
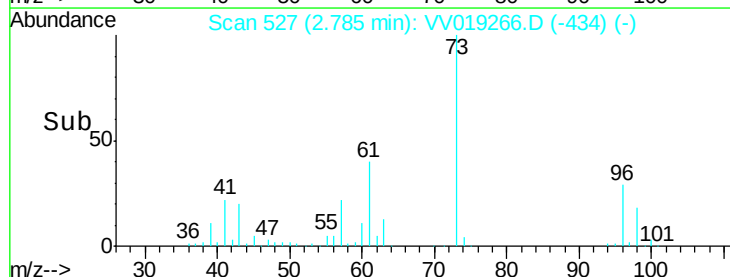
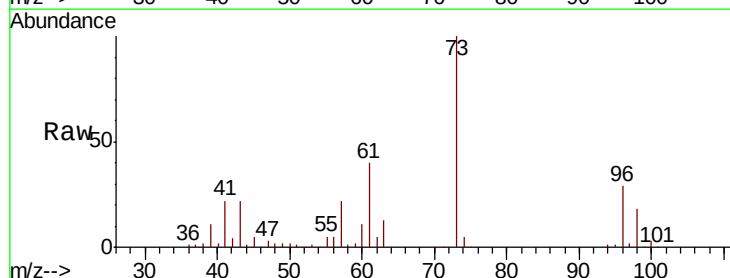
Tgt Ion: 73 Resp: 275448

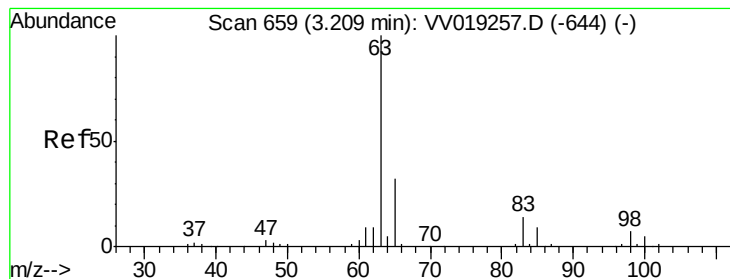
Ion Ratio Lower Upper

73 100

43 21.8 17.9 26.9

57 21.9 17.1 25.7





#19

1,1-Dichloroethane

Concen: 56.184 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

ClientSampleId :

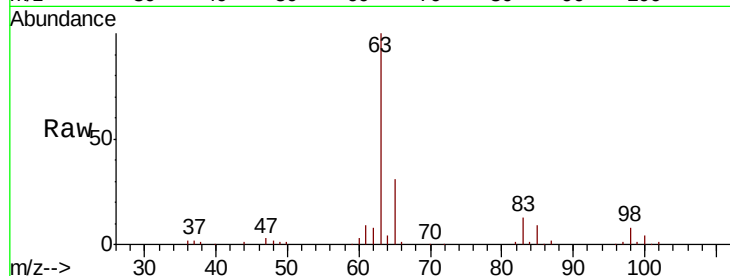
Tot Ion: 63 Resp: 151047

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.6

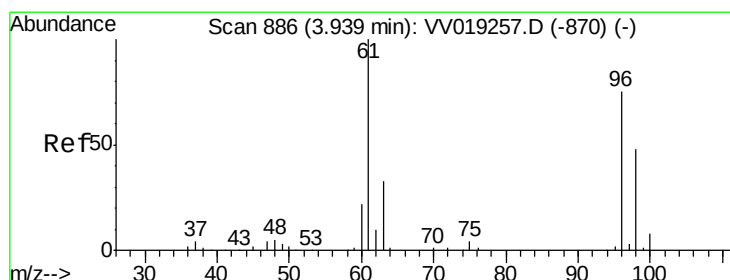
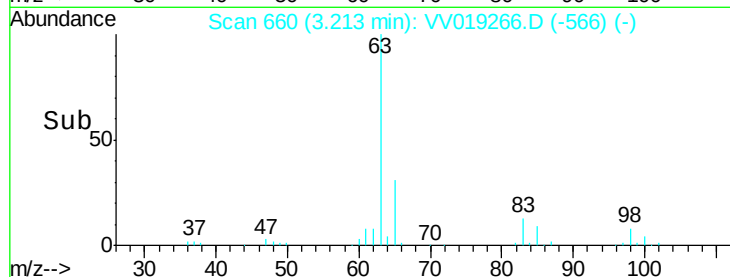
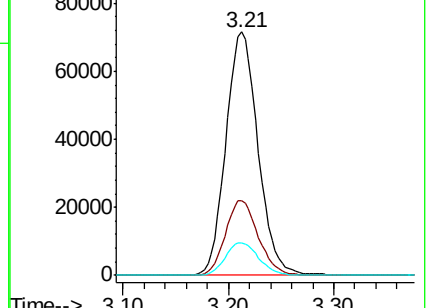
83 13.4 9.5 17.7



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) (-)



#20

cis-1,2-Dichloroethene

Concen: 55.236 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

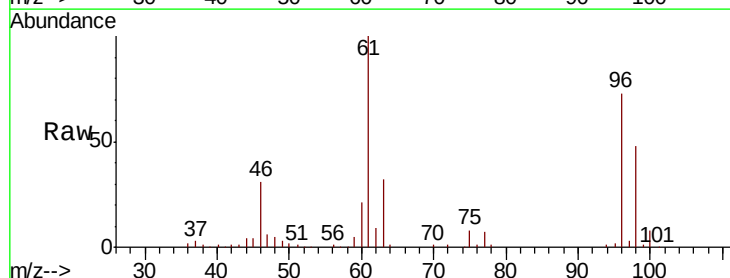
Tgt Ion: 96 Resp: 83758

Ion Ratio Lower Upper

96 100

61 136.2 95.6 177.6

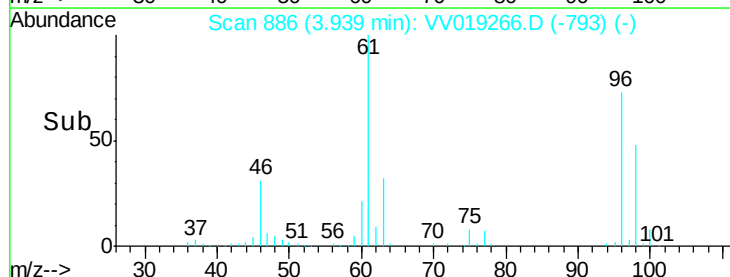
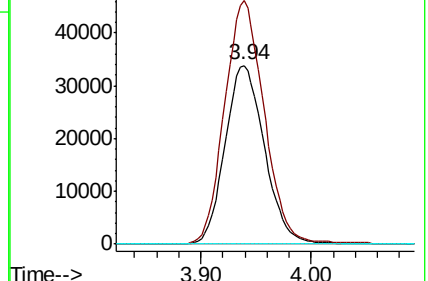
68 0.0 0.0 0.0

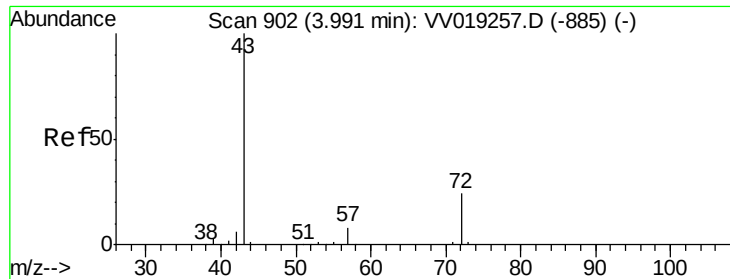


Abundance Ion 96.00 (95.70 to 96.70): VV019257.D (-870) (-)

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

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





#22

2-Butanone

Concen: 121.942 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

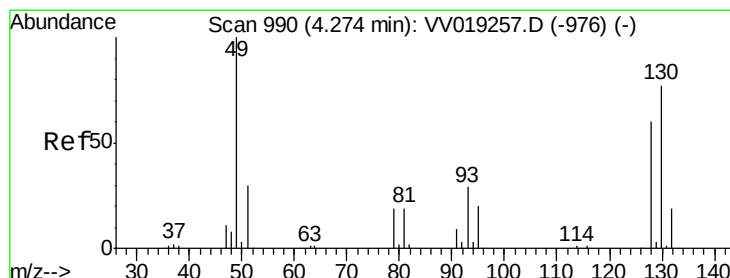
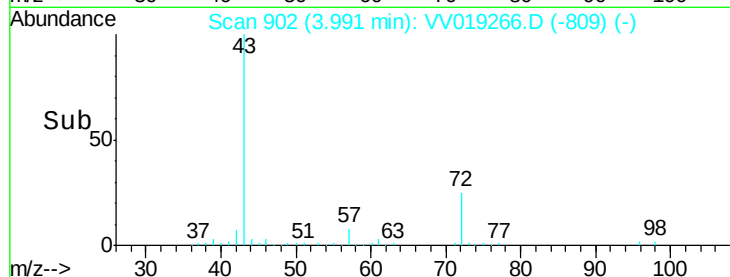
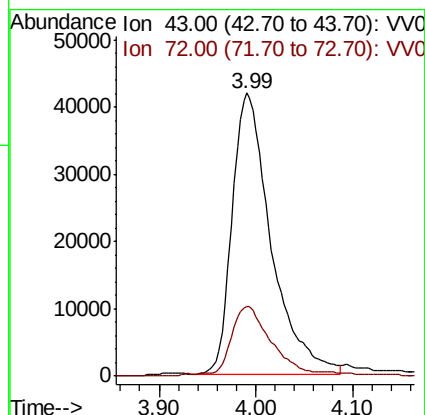
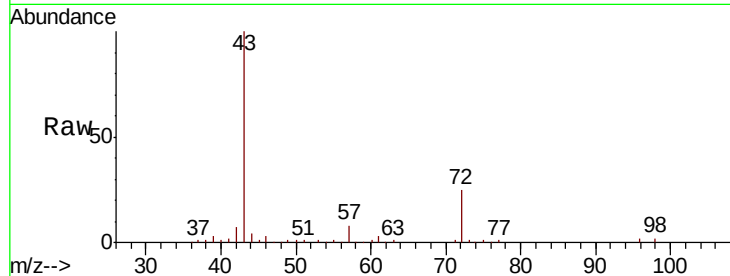
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 117362

Ion Ratio Lower Upper

43 100

72 23.4 12.7 38.0



#23

Bromochloromethane

Concen: 56.024 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Tgt Ion: 128 Resp: 46776

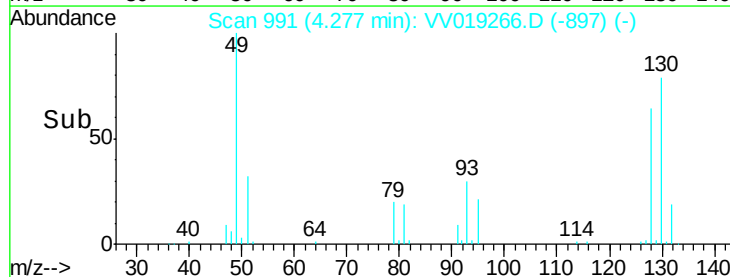
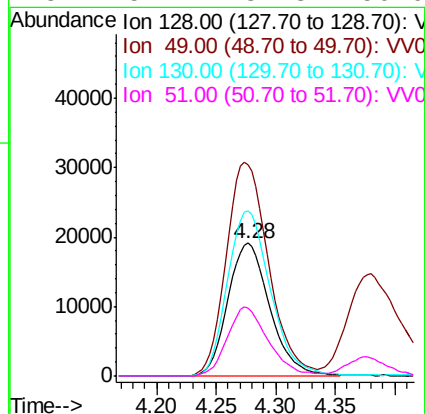
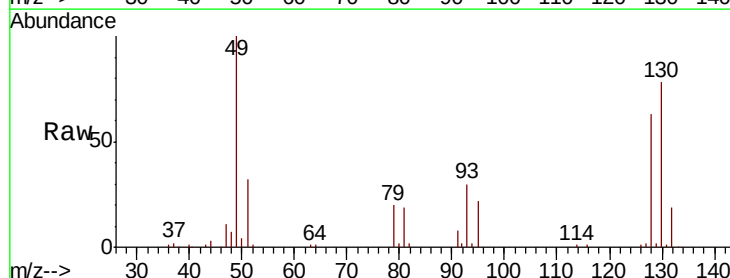
Ion Ratio Lower Upper

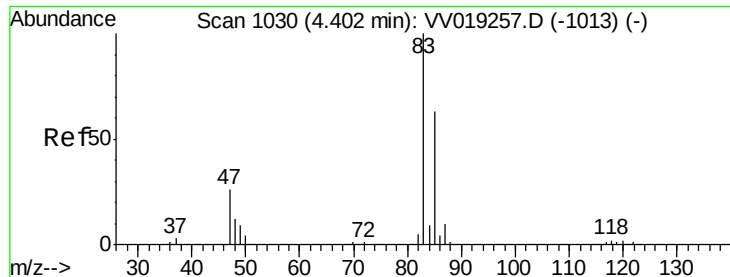
128 100

49 159.0 108.8 202.2

130 124.6 88.5 164.3

51 51.2 37.8 56.6

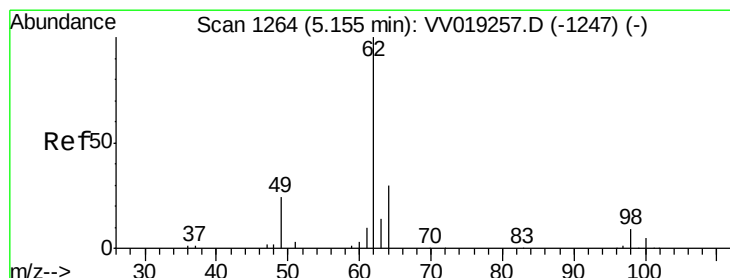
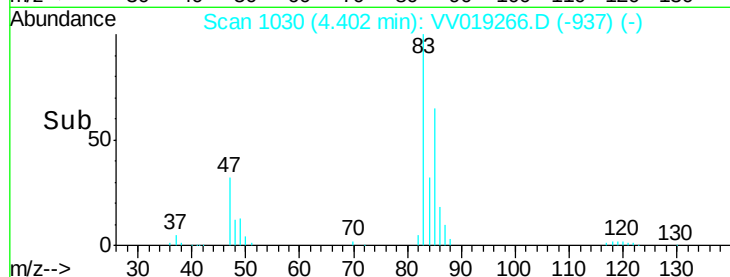
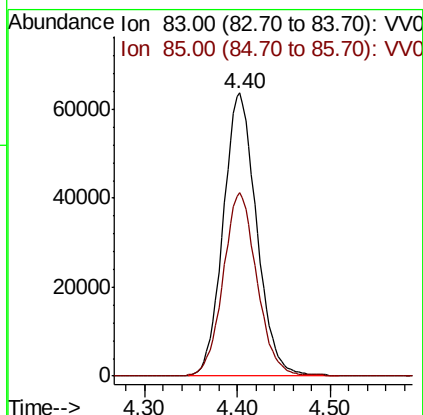
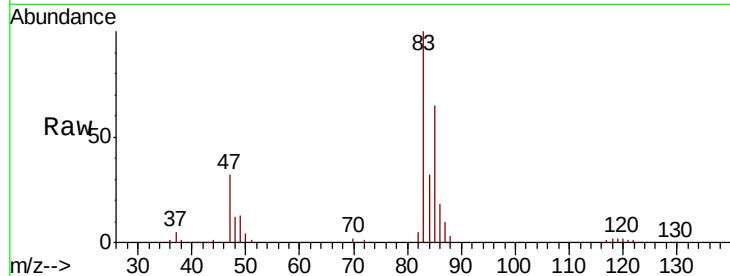




#25
Chloroform
Concen: 55.125 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

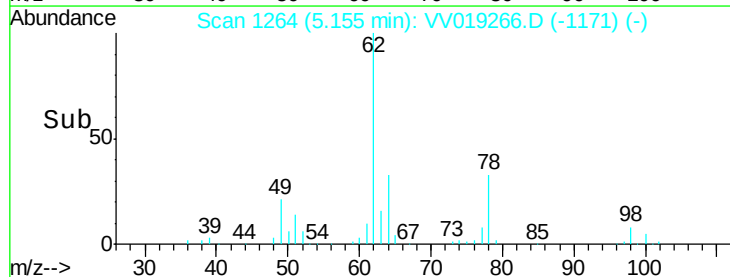
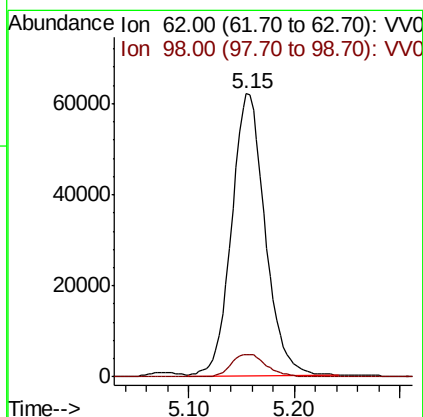
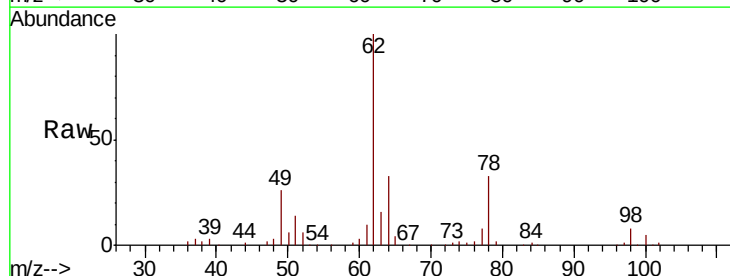
Instrument :
MSVOA_V
ClientSampleId :

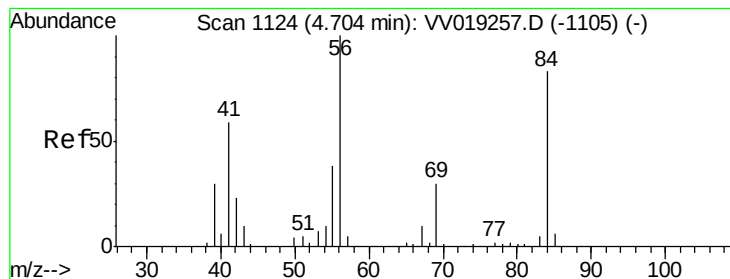
Tot Ion: 83 Resp: 158889
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 55.475 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion: 62 Resp: 135919
Ion Ratio Lower Upper
62 100
98 7.9 6.8 10.2





#29

Cyclohexane

Concen: 44.934 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :
MSVOA_V
ClientSampled :

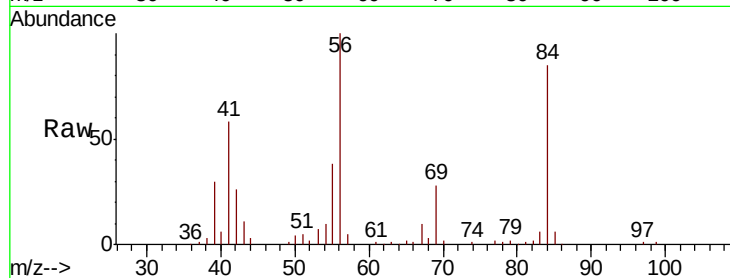
Tot Ion: 56 Resp: 85781

Ion Ratio Lower Upper

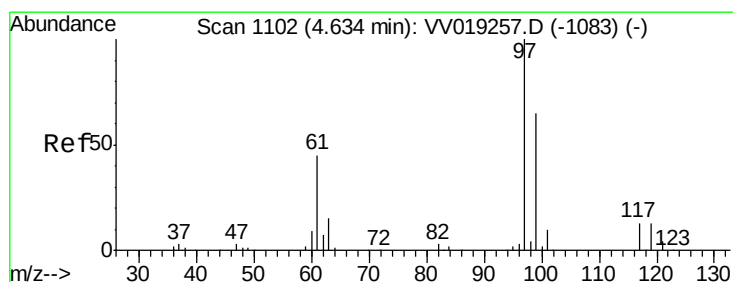
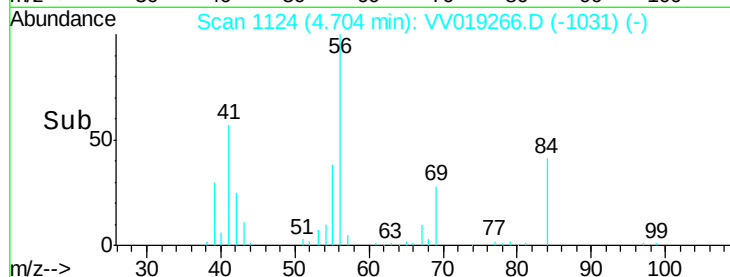
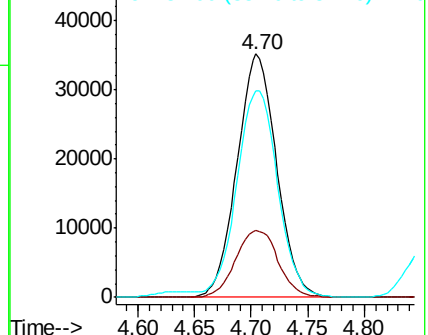
56 100

69 29.6 24.6 36.8

84 87.8 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 52.554 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

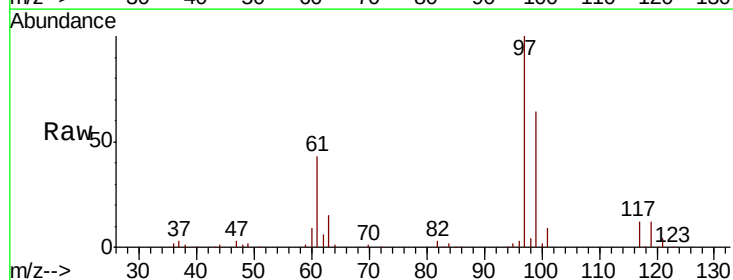
Tgt Ion: 97 Resp: 135966

Ion Ratio Lower Upper

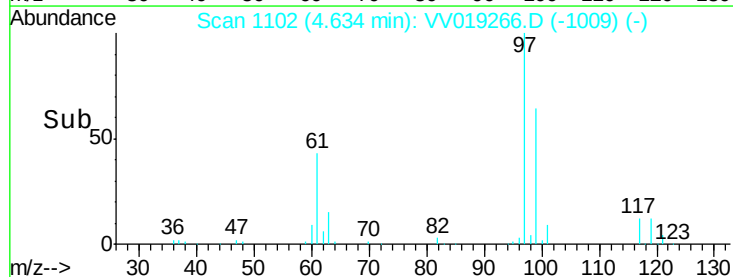
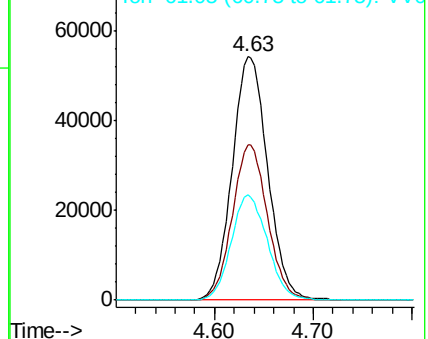
97 100

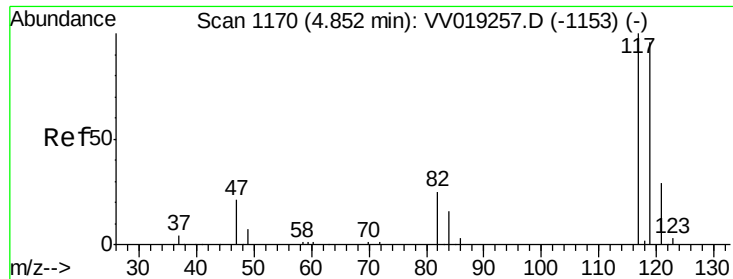
99 63.0 52.0 78.0

61 44.0 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.959 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

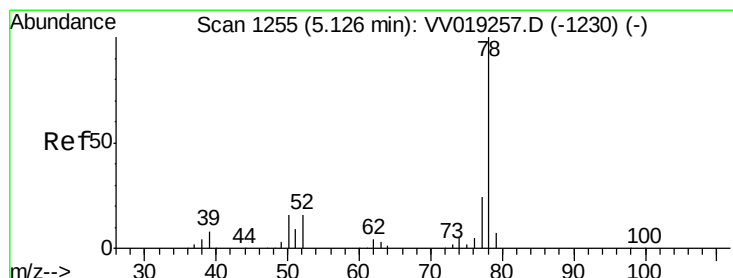
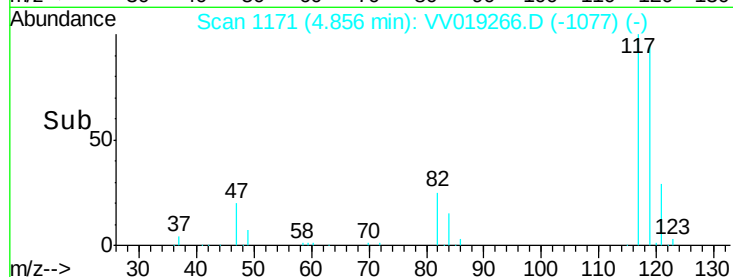
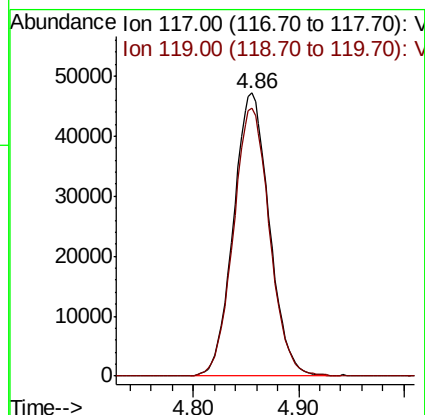
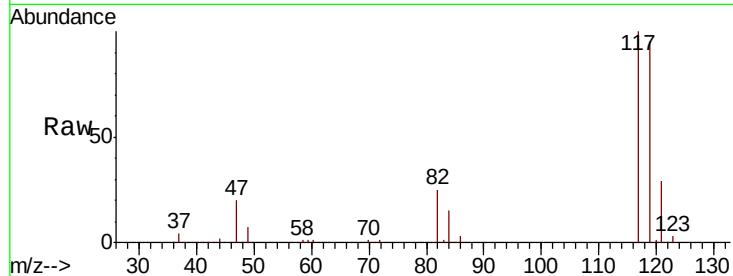
ClientSampled :

Tot Ion:117 Resp: 111603

Ion Ratio Lower Upper

117 100

119 95.2 77.8 116.6



#33

Benzene

Concen: 56.113 ug/L

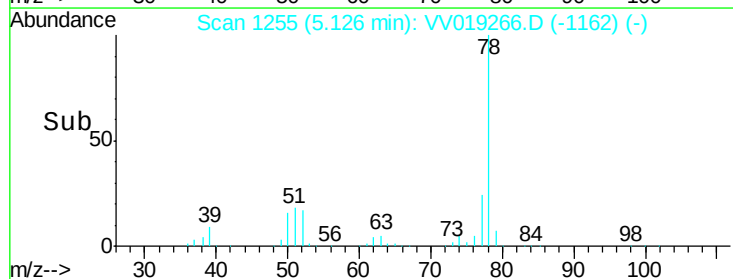
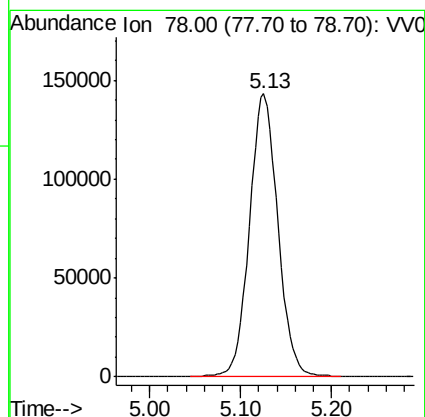
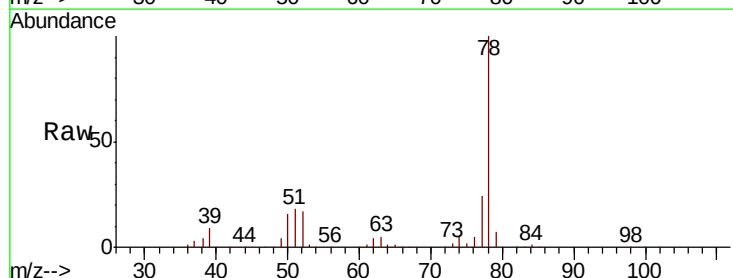
RT: 5.13 min Scan# 1255

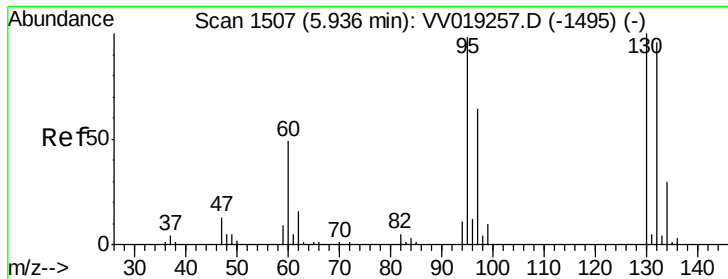
Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Tgt Ion: 78 Resp: 311086





#34

Trichloroethene

Concen: 52.162 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 78587

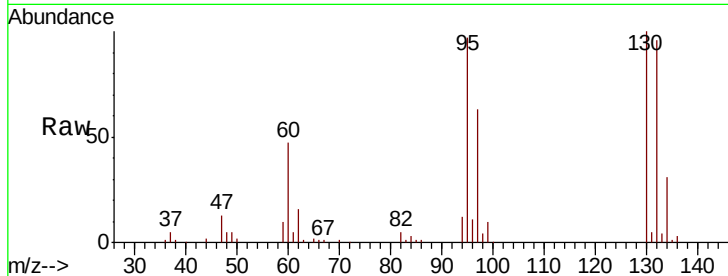
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.4

132 98.9 68.5 127.3

130 103.3 72.0 133.6

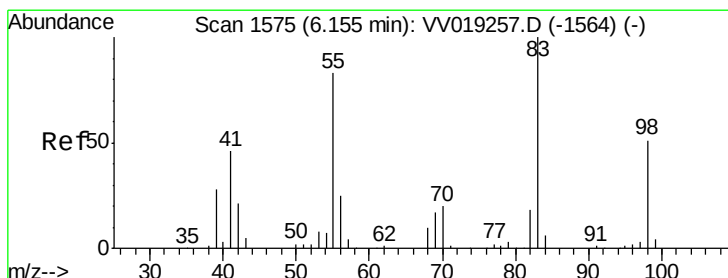
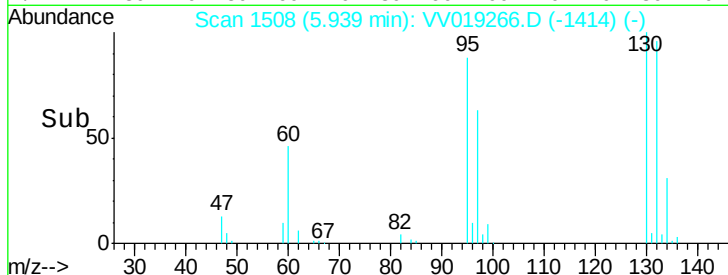
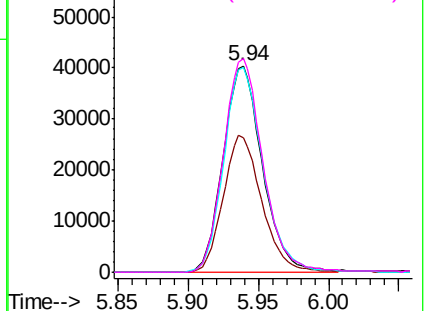


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 43.887 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

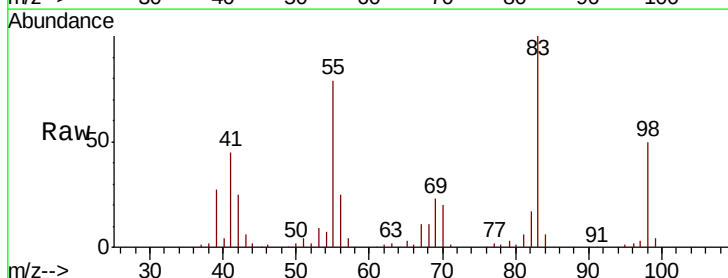
Tgt Ion: 83 Resp: 80030

Ion Ratio Lower Upper

83 100

55 78.4 62.8 94.2

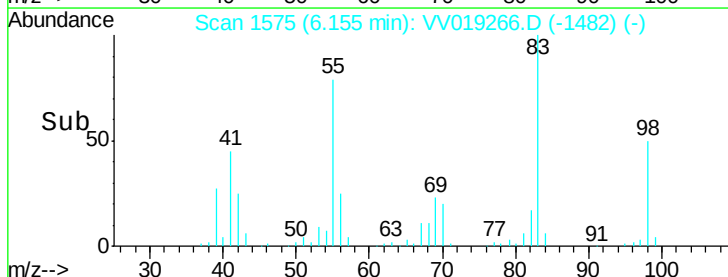
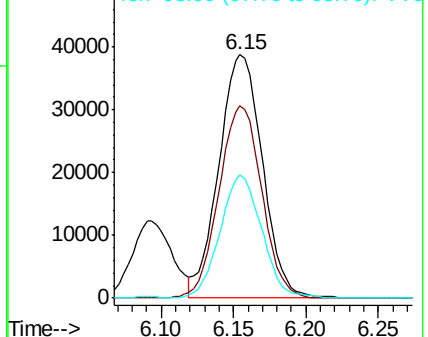
98 48.9 38.6 58.0

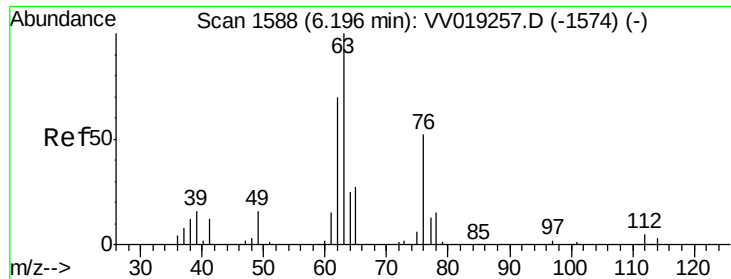


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

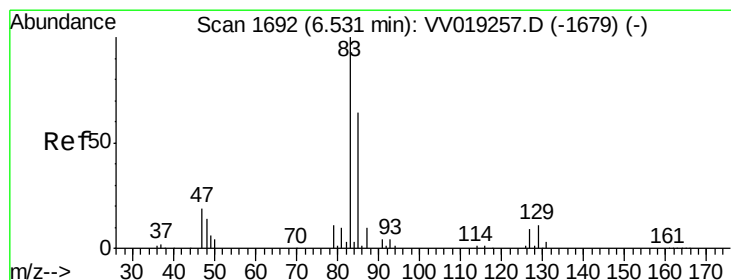
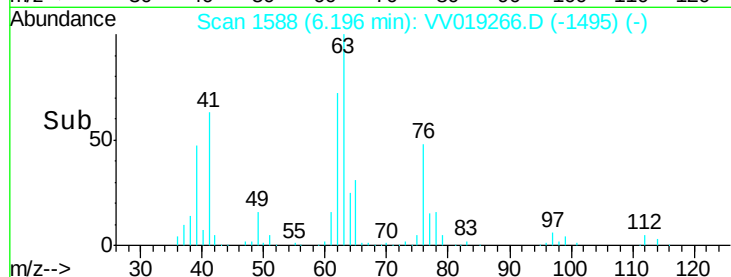
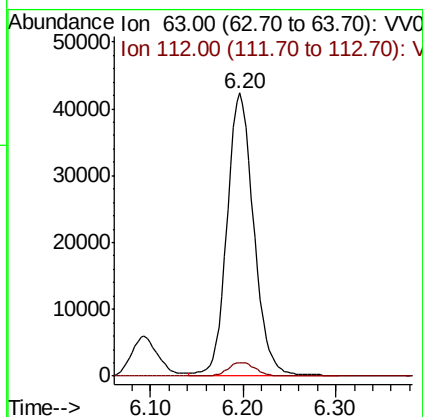
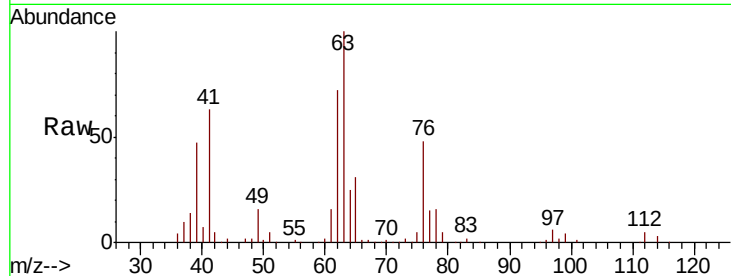




#37
 1,2-Dichloropropane
 Concen: 56.925 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

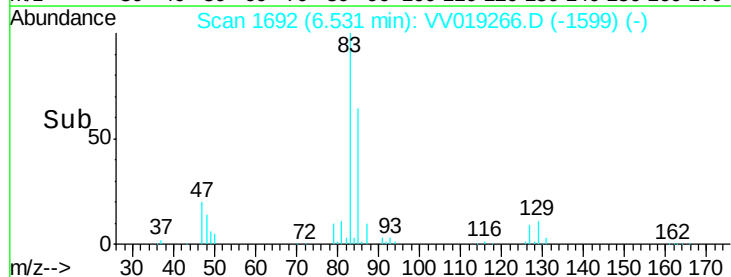
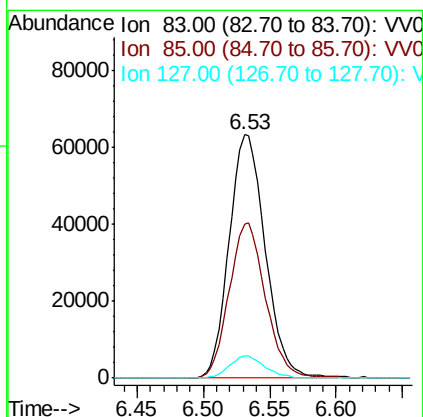
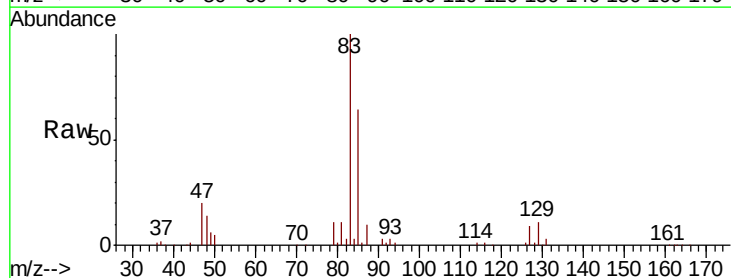
Instrument :
 MSVOA_V
 ClientSampled :

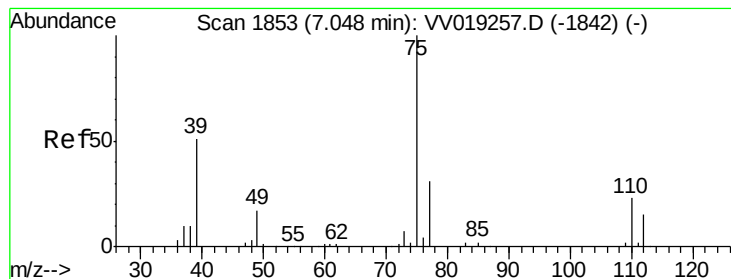
Tot Ion: 63 Resp: 84223
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.2



#38
 Bromodichloromethane
 Concen: 56.205 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

Tgt Ion: 83 Resp: 119677
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.0 81.8
 127 9.2 7.3 10.9



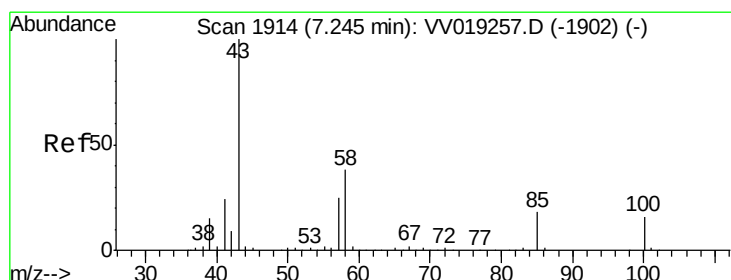
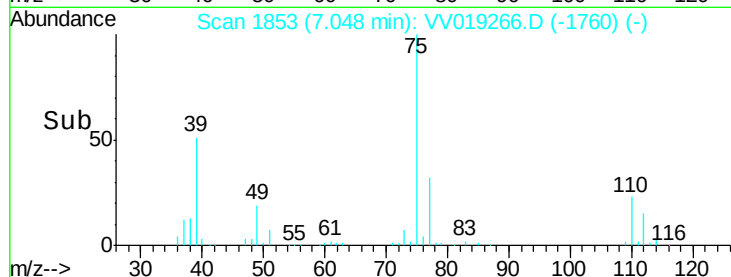
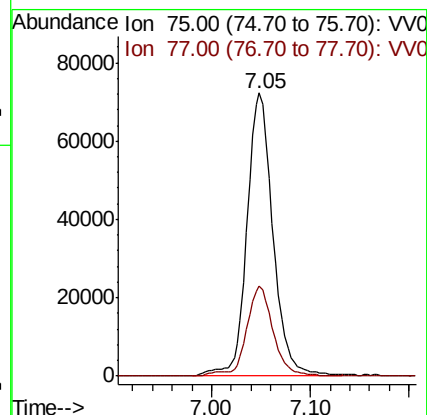
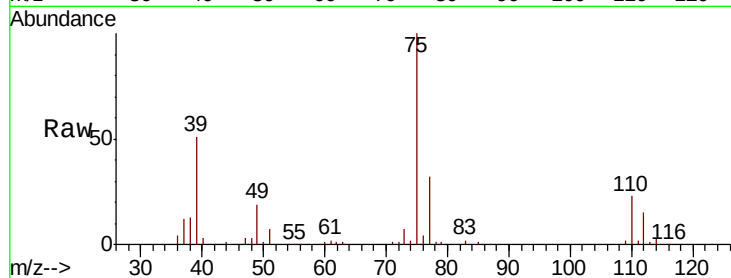


#39

cis-1,3-Dichloropropene
Concen: 55.803 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Instrument :
MSVOA_V
ClientSampleId :

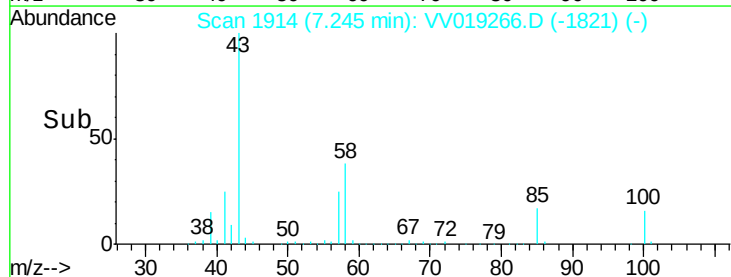
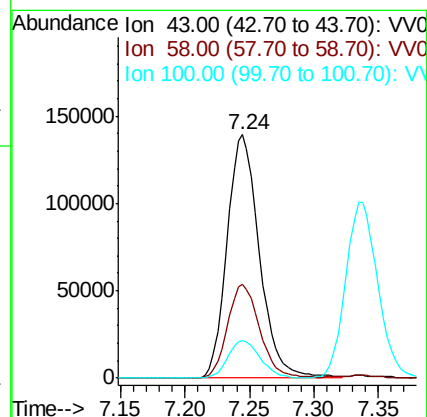
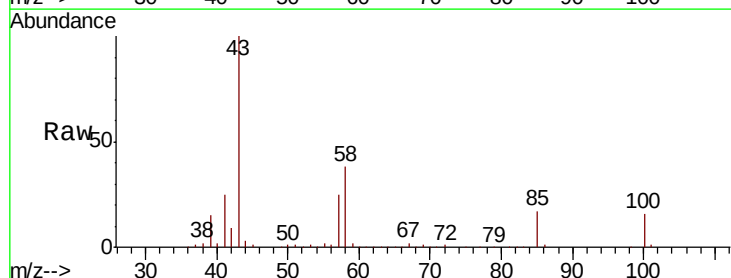
Tot Ion: 75 Resp: 132110
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2

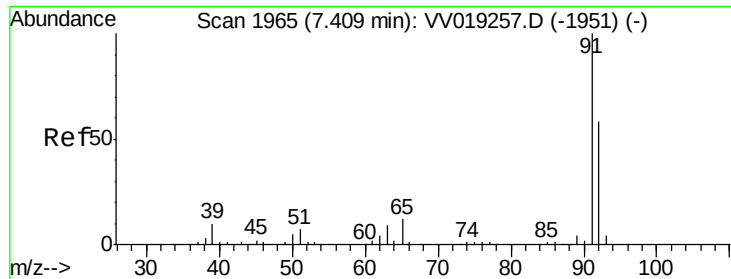


#40

4-Methyl-2-pentanone
Concen: 122.105 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion: 43 Resp: 242701
Ion Ratio Lower Upper
43 100
58 38.2 30.5 45.7
100 15.4 12.7 19.1





#42

Toluene

Concen: 53.960 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

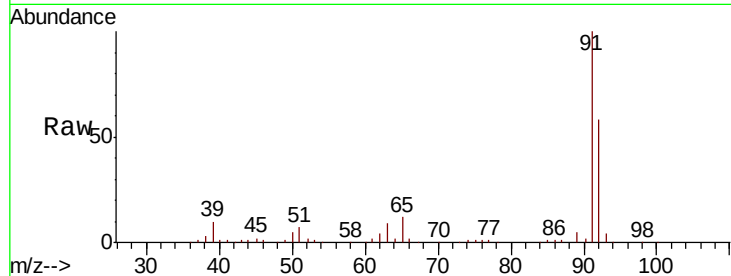
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 323348

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019257.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV019257.D (-1951) (-)

7.41

200000

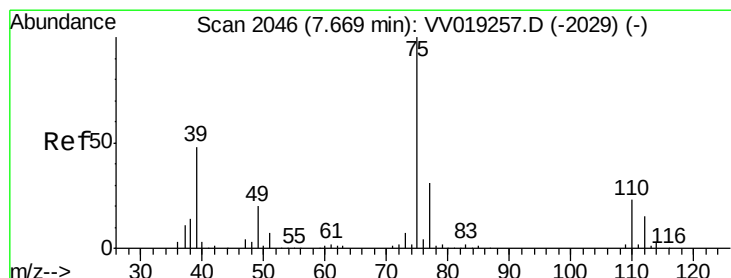
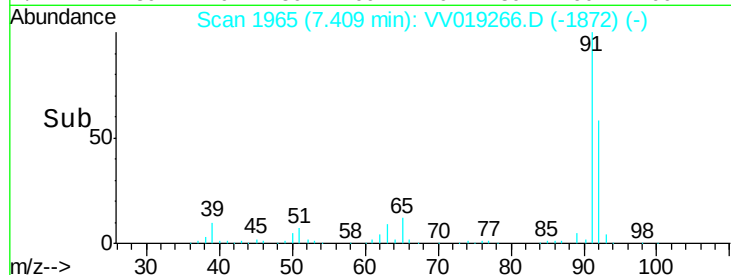
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.665 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019266.D

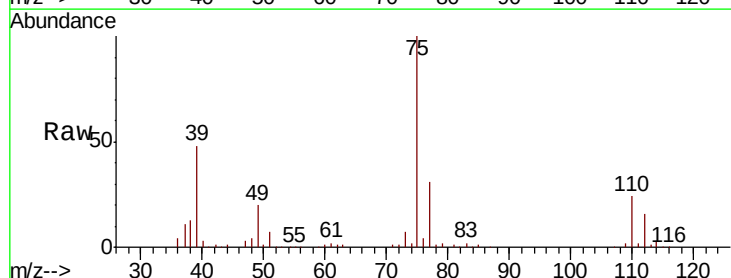
Acq: 05 Nov 2020 01:31

Tgt Ion: 75 Resp: 135042

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV019257.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2029) (-)

7.67

80000

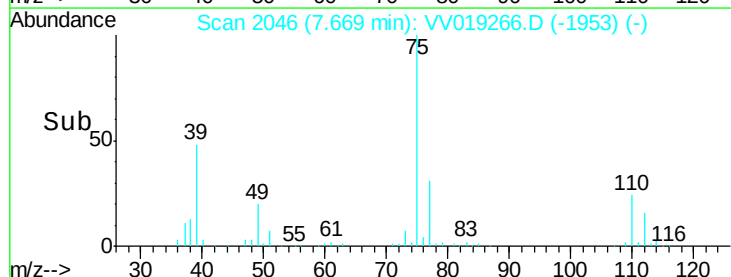
60000

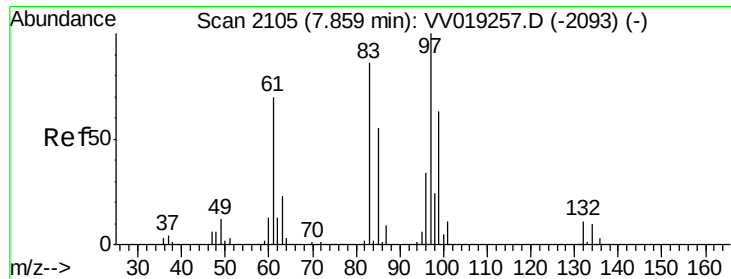
40000

20000

0

Time-->

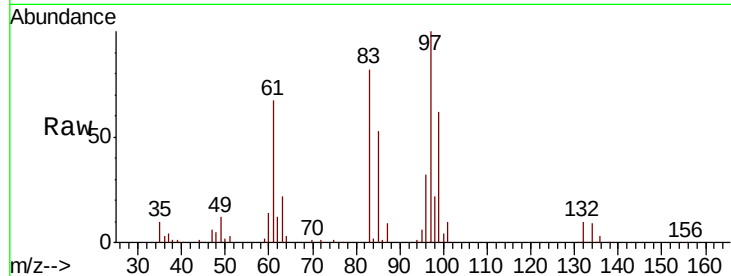




#45
 1,1,2-Trichloroethane
 Concen: 57.515 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

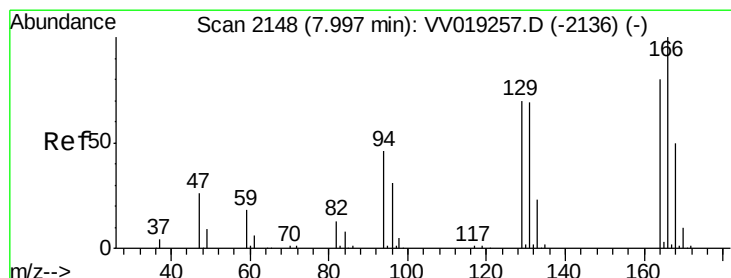
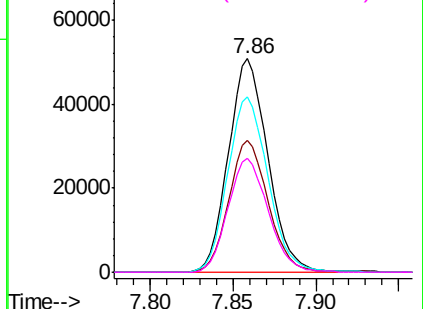
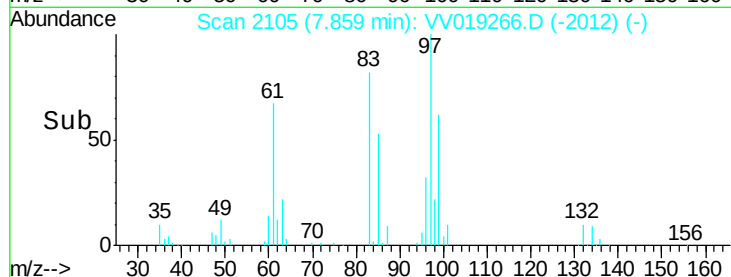
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	84110
Ion	Ratio	Lower	Upper
97	100		
99	61.6	45.1	83.9
83	81.8	57.6	107.0
85	53.5	37.8	70.2



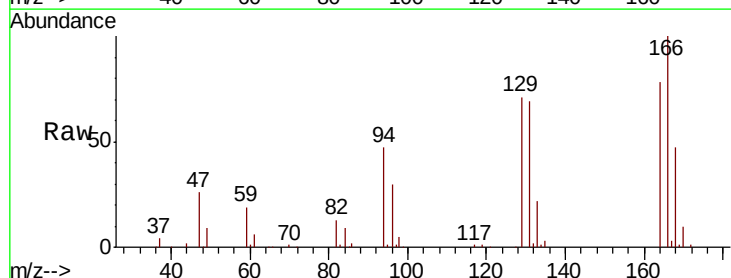
Abundance

Ion 97.00 (96.70 to 97.70): VV019266.D (-2012) (-)



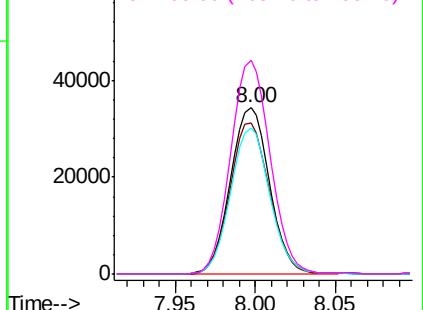
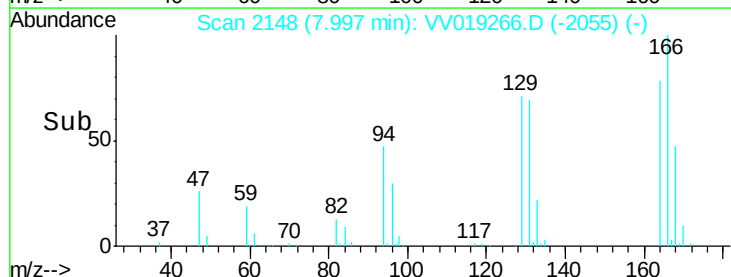
#46
 Tetrachloroethene
 Concen: 46.647 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

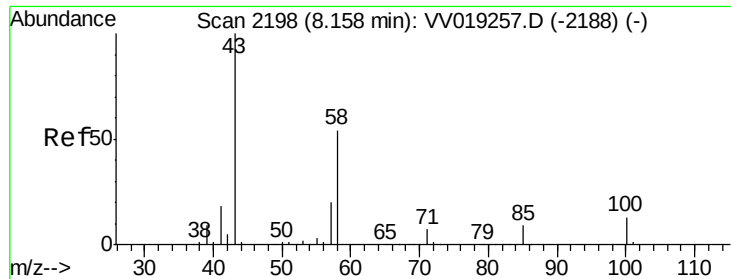
Tgt Ion:	164	Resp:	57343
Ion	Ratio	Lower	Upper
164	100		
129	91.1	62.6	116.3
131	88.1	59.0	109.6
166	128.4	88.0	163.4



Abundance

Ion 164.00 (163.70 to 164.70): VV019266.D (-2055) (-)

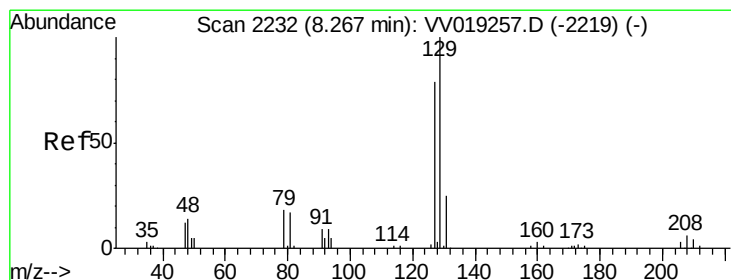
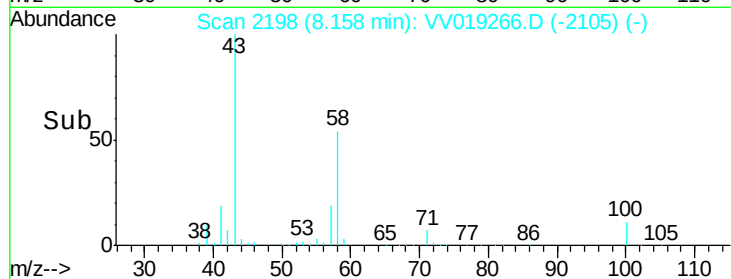
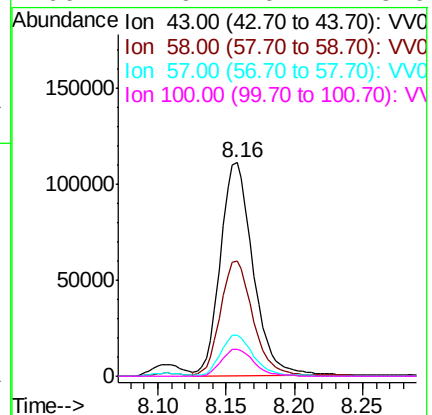
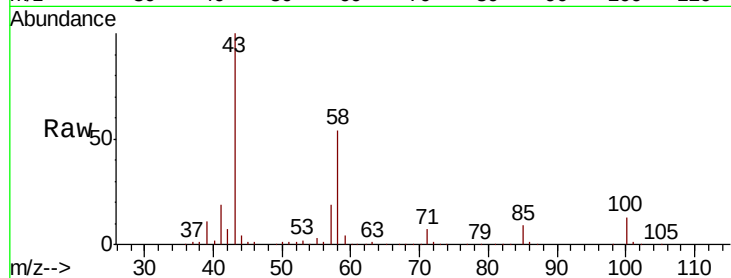




#48
2-Hexanone
Concen: 122.245 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

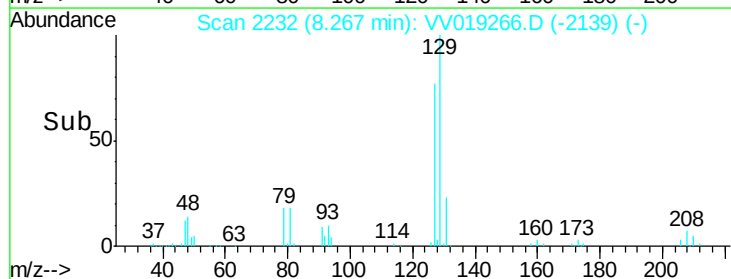
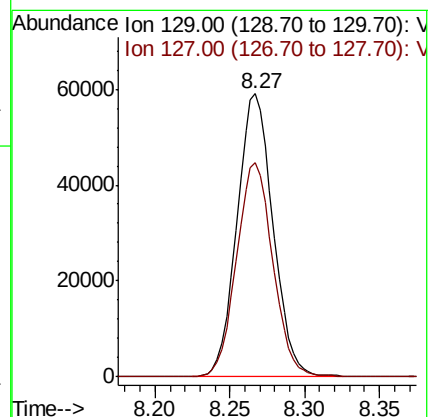
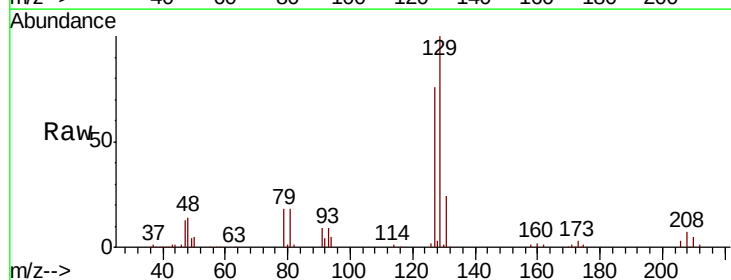
Instrument :
MSVOA_V
ClientSampleId :

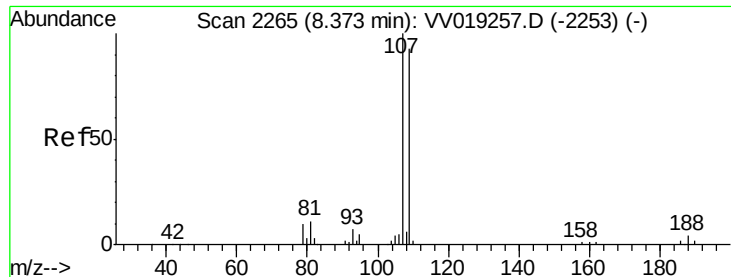
Tot Ion: 43 Resp: 183699
Ion Ratio Lower Upper
43 100
58 53.9 42.6 63.8
57 18.8 15.8 23.8
100 12.9 10.4 15.6



#49
Dibromochloromethane
Concen: 56.757 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion: 129 Resp: 98986
Ion Ratio Lower Upper
129 100
127 75.9 54.4 101.0

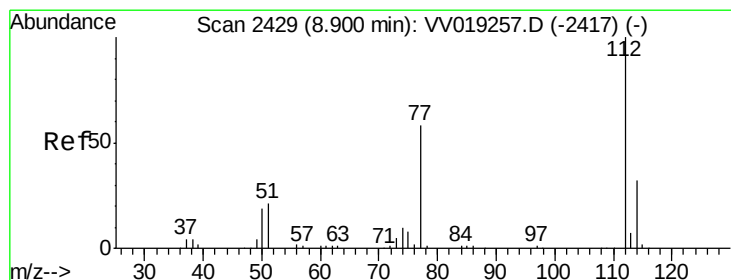
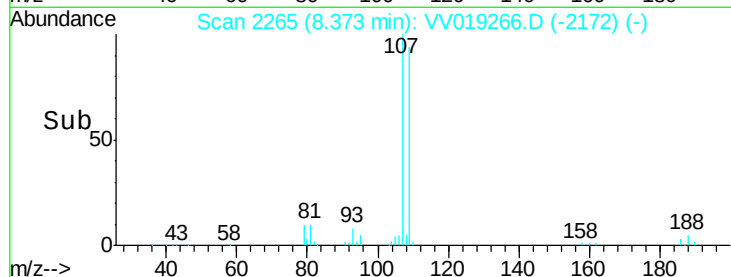
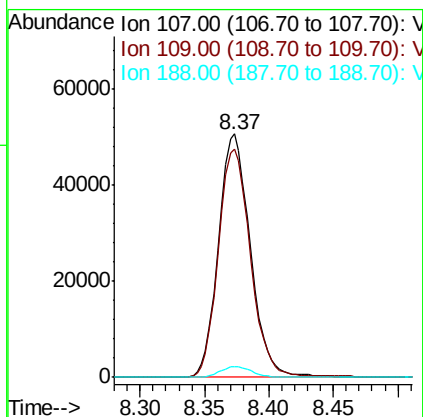
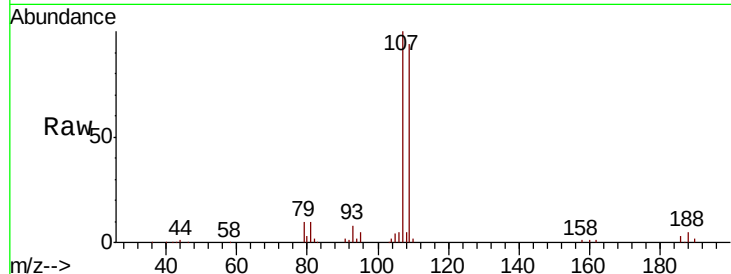




#50
1,2-Dibromoethane
Concen: 57.243 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

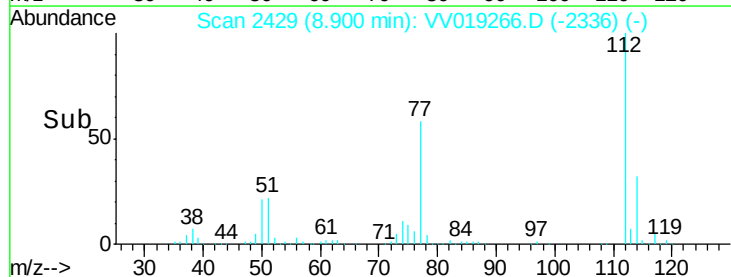
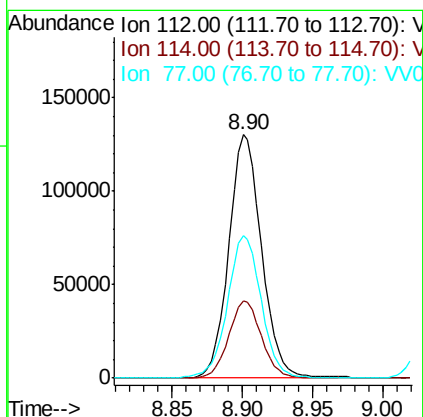
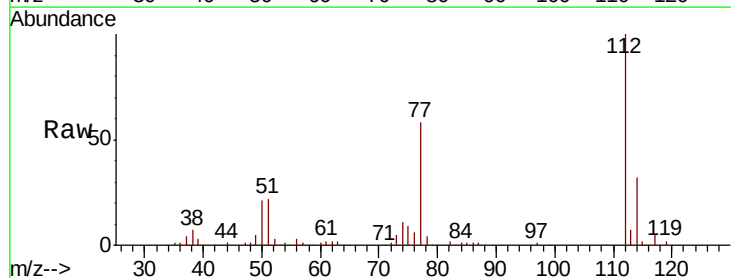
Instrument :
MSVOA_V
ClientSampleId :

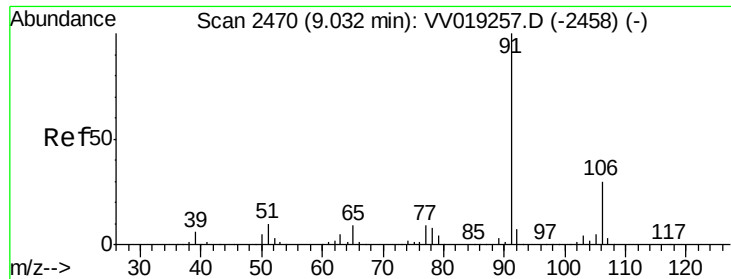
Tot Ion:107 Resp: 86769
Ion Ratio Lower Upper
107 100
109 93.8 64.8 120.4
188 4.5 3.8 5.8



#51
Chlorobenzene
Concen: 52.960 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion:112 Resp: 212285
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.1
77 58.5 47.3 70.9





#52

Ethylbenzene

Concen: 51.233 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

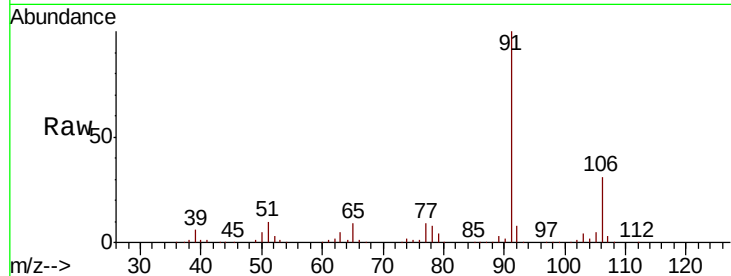
ClientSampleId :

Tot Ion: 91 Resp: 338718

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019257.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV019266.D (-2377) (-)

9.03

200000

150000

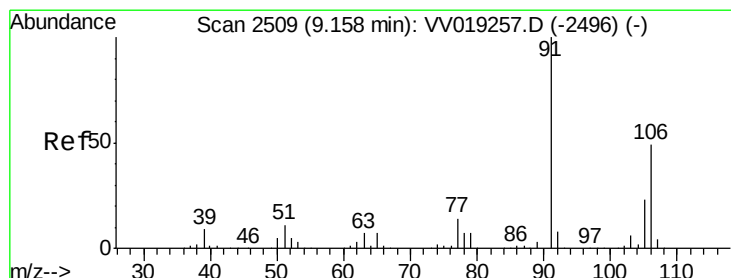
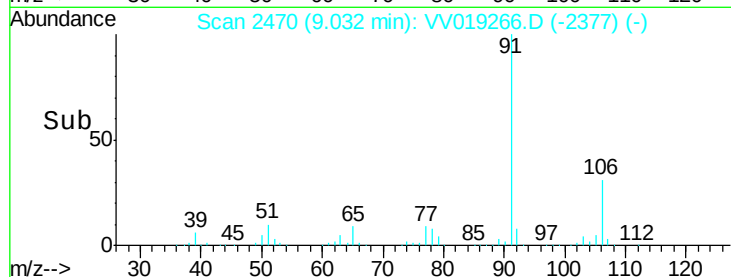
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 51.331 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019266.D

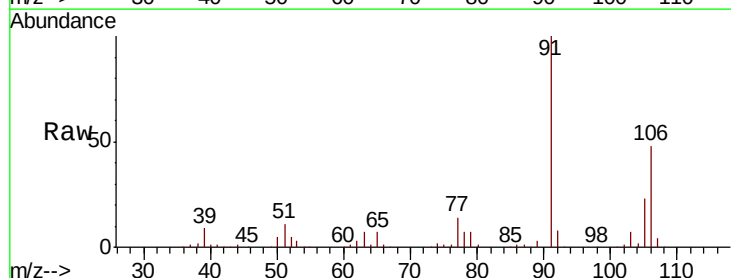
Acq: 05 Nov 2020 01:31

Tgt Ion: 106 Resp: 127054

Ion Ratio Lower Upper

106 100

91 207.0 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019257.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV019266.D (-2416) (-)

9.16

150000

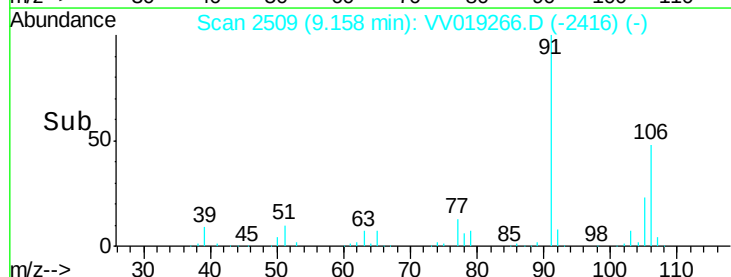
100000

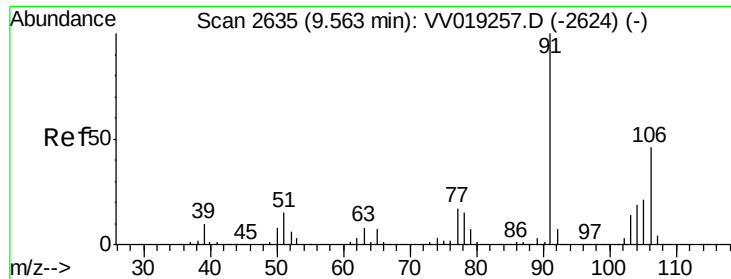
50000

0

9.10 9.15 9.20 9.25

Time-->

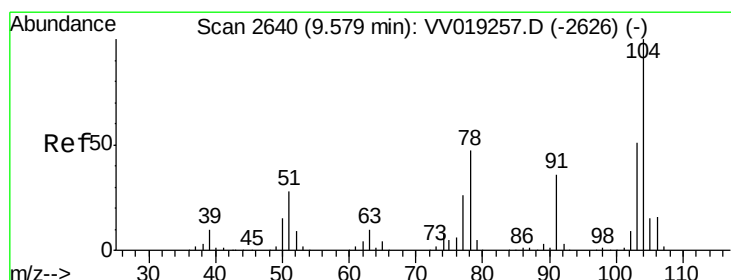
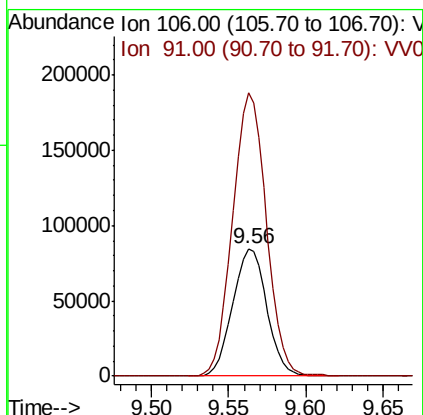
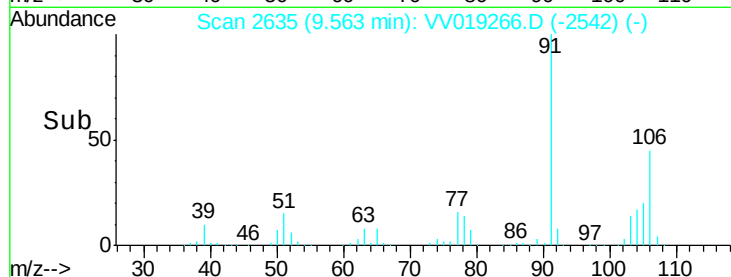
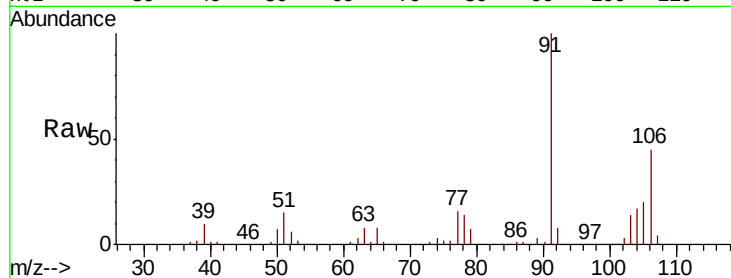




#54
o-Xylene
Concen: 52.968 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

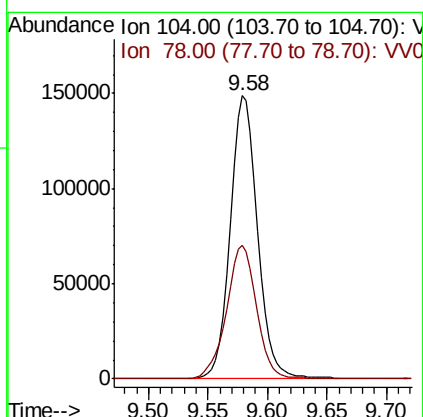
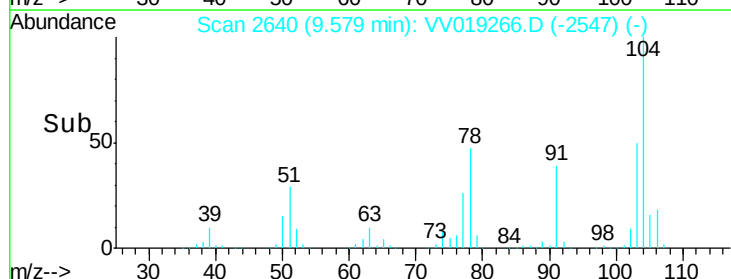
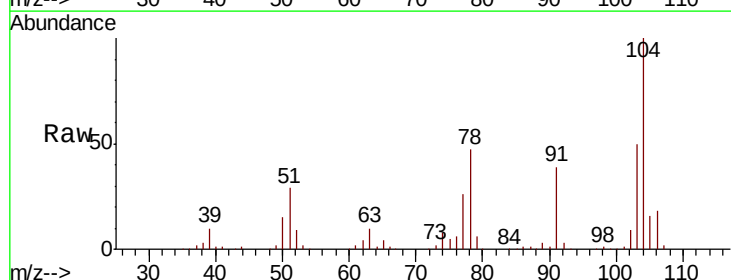
Instrument :
MSVOA_V
ClientSampled :

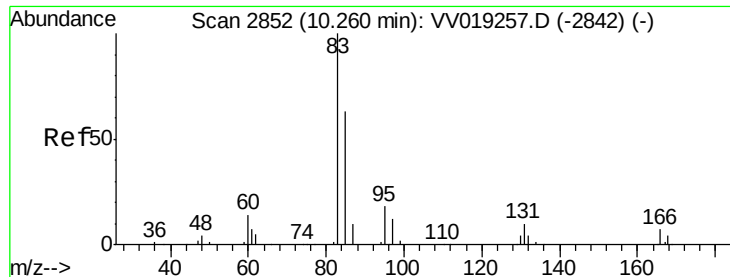
Tot Ion:106 Resp: 129230
Ion Ratio Lower Upper
106 100
91 221.7 151.6 281.6



#55
Styrene
Concen: 54.505 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion:104 Resp: 236705
Ion Ratio Lower Upper
104 100
78 47.4 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 57.099 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

ClientSampled :

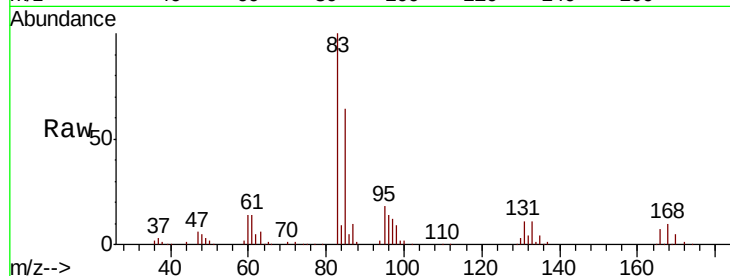
Tot Ion: 83 Resp: 126328

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

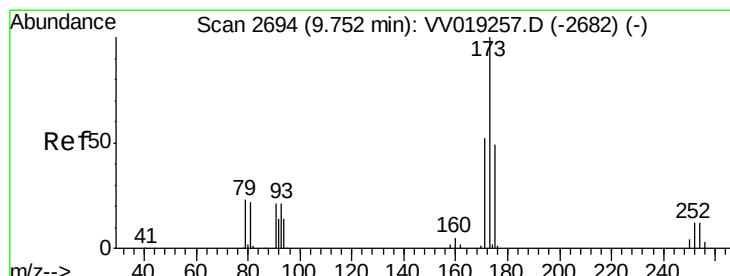
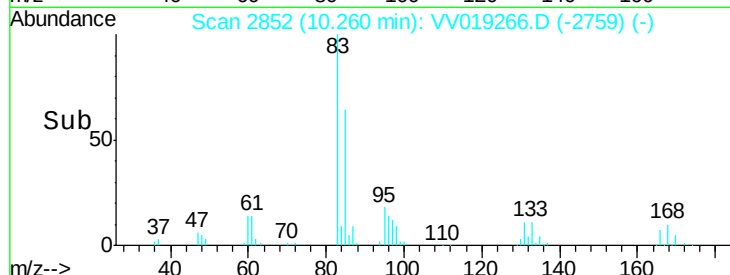
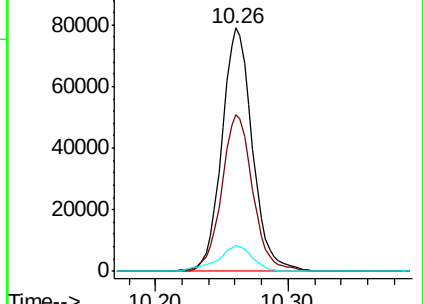
131 10.6 8.9 13.3



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: 57.298 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

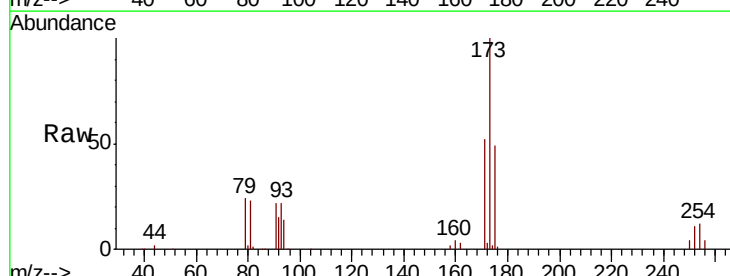
Tgt Ion: 173 Resp: 74262

Ion Ratio Lower Upper

173 100

175 49.1 38.4 57.6

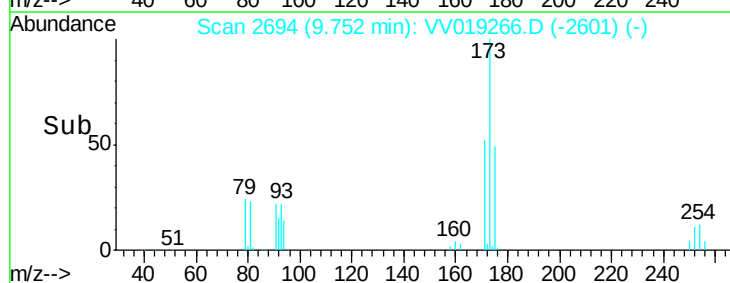
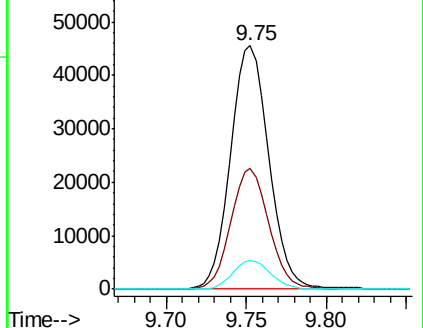
254 11.6 9.0 13.6

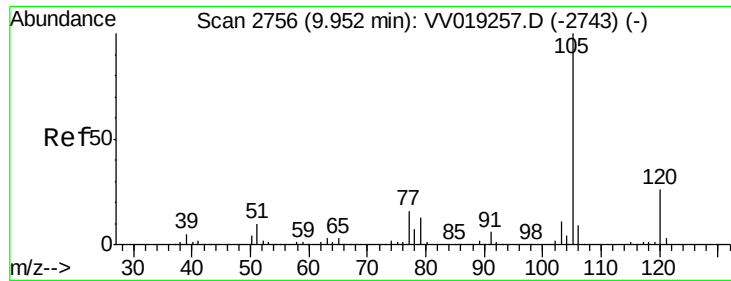


Abundance Ion 173.00 (172.70 to 173.70): VV019257.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019257.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019257.D (-2682) (-)





#60

Isopropylbenzene

Concen: 51.543 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

Instrument :

MSVOA_V

ClientSampleId :

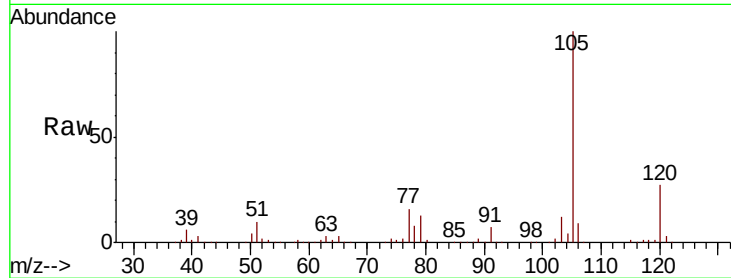
Tot Ion:105 Resp: 315460

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

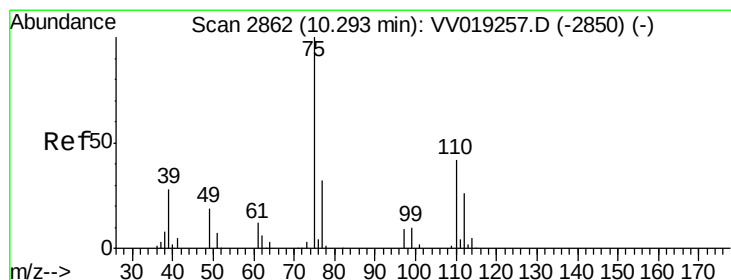
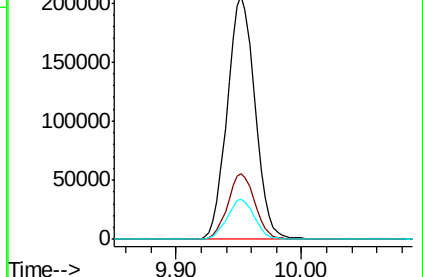
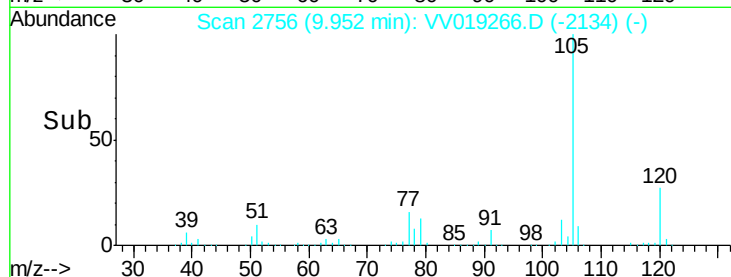
77 16.3 13.0 19.6



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: 59.124 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019266.D

Acq: 05 Nov 2020 01:31

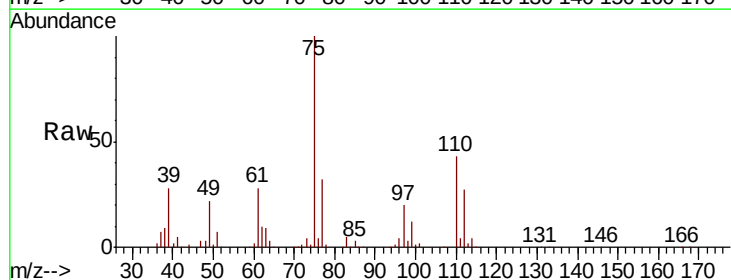
Tgt Ion: 75 Resp: 107265

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

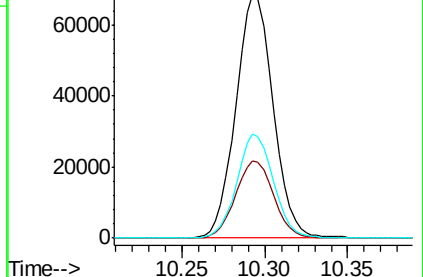
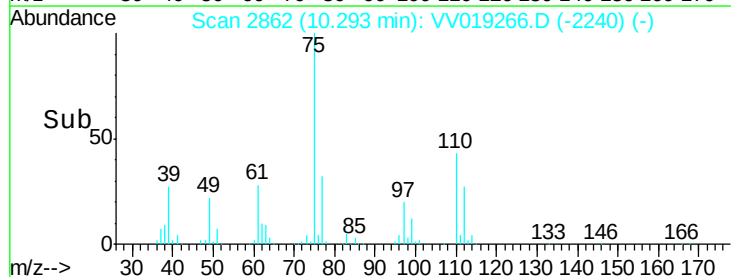
110 41.7 33.4 50.2

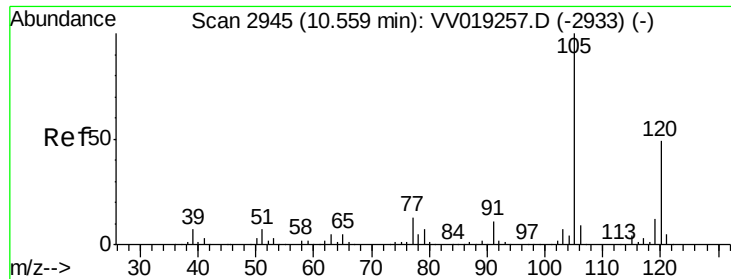


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

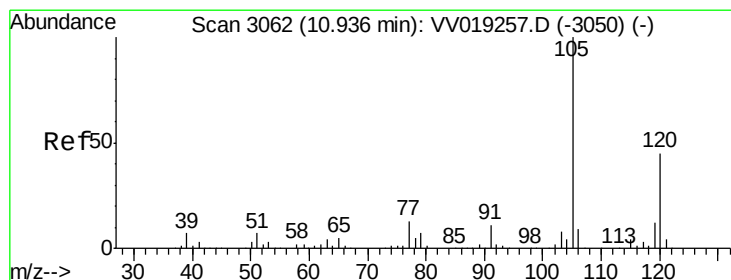
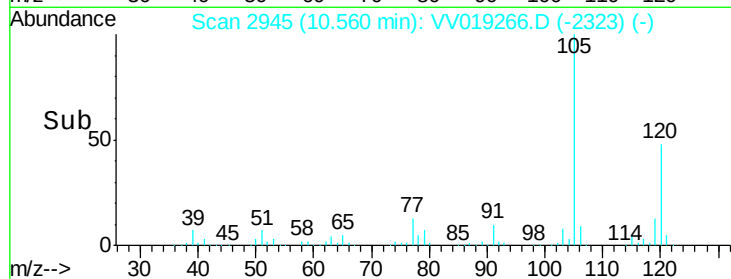
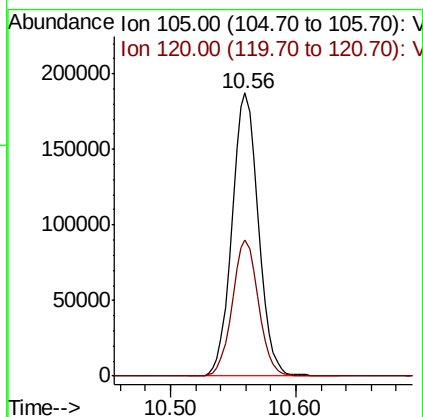
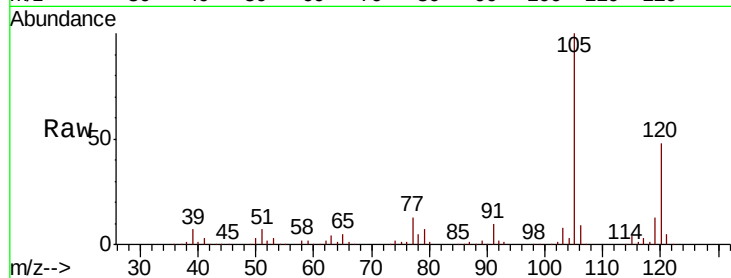




#62
 1,3,5-Trimethylbenzene
 Concen: 53.479 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

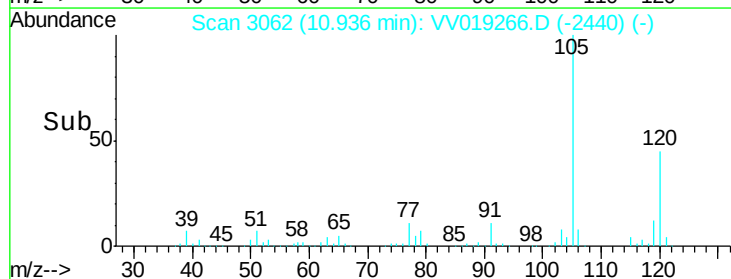
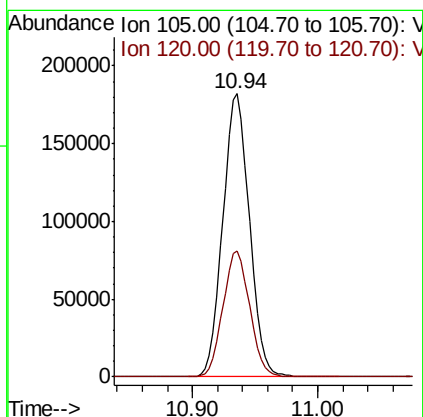
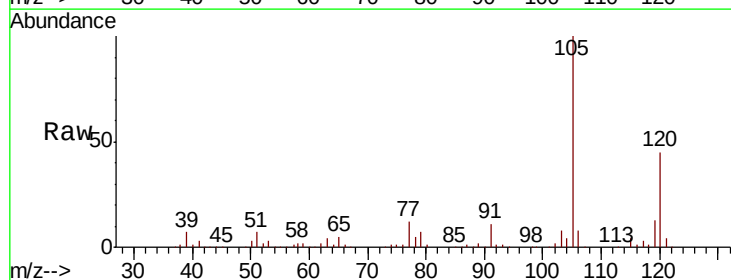
Instrument :
 MSVOA_V
 ClientSampleId :

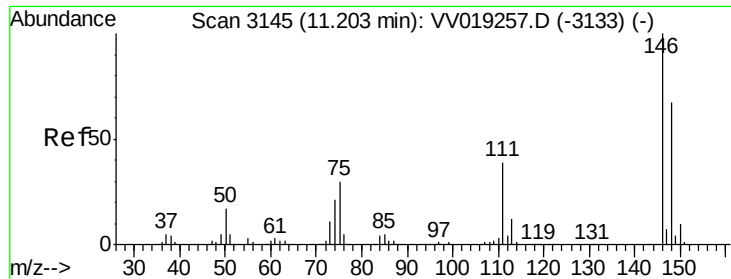
Tot Ion:105 Resp: 272614
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 53.781 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

Tgt Ion:105 Resp: 268255
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.7 53.5

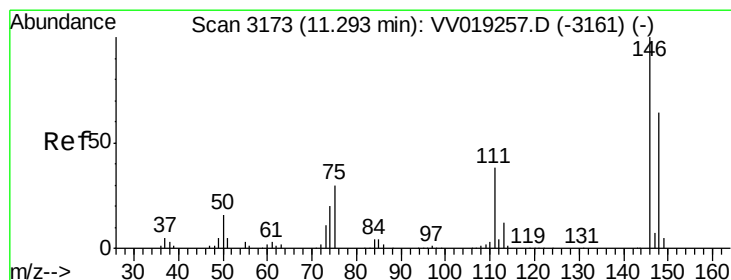
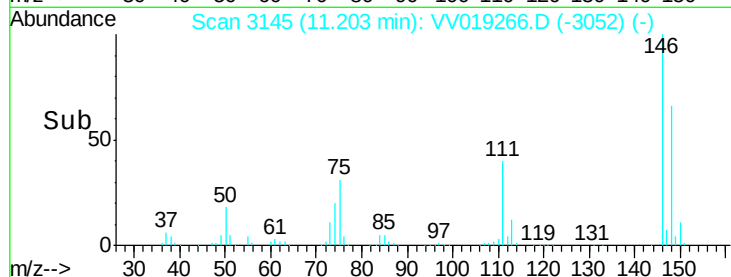
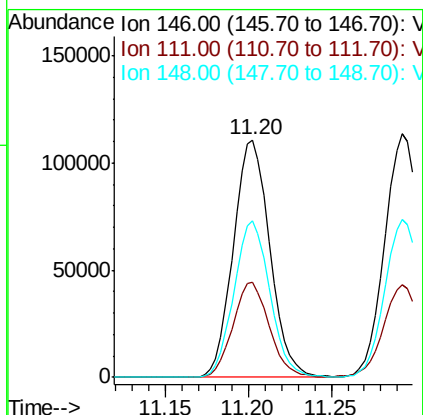
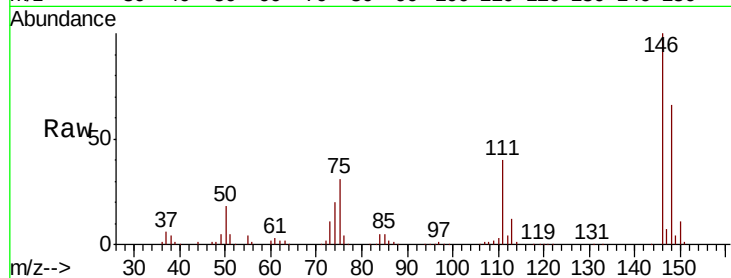




#64
 1,3-Dichlorobenzene
 Concen: 53.144 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

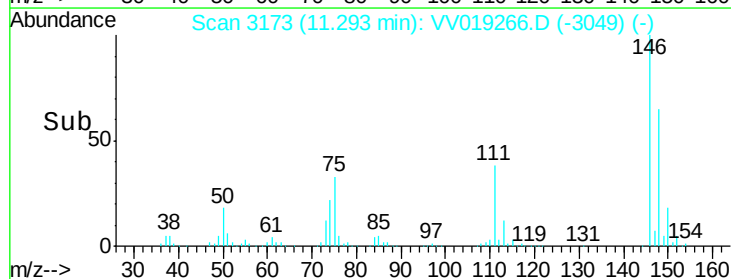
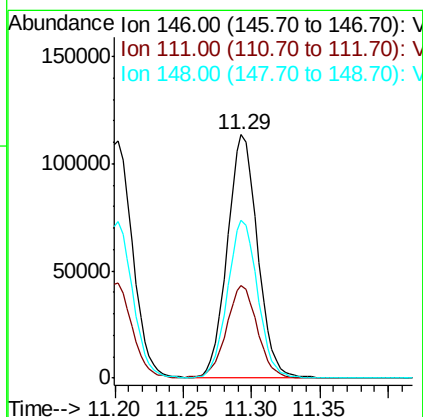
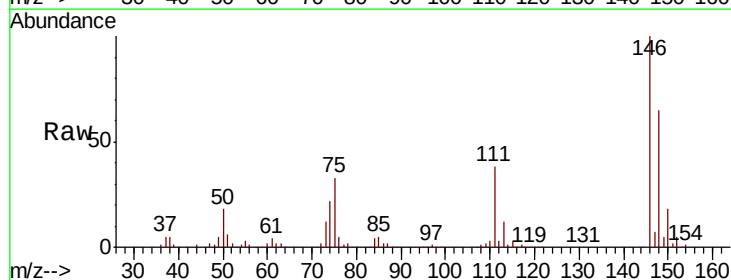
Instrument :
 MSVOA_V
 ClientSampled :

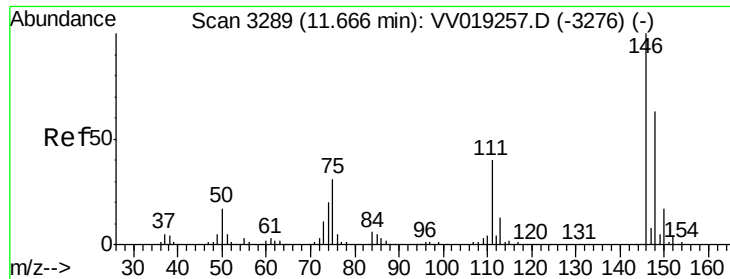
Tot Ion:146 Resp: 170136
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.3 50.7
 148 65.8 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 53.037 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

Tgt Ion:146 Resp: 175664
 Ion Ratio Lower Upper
 146 100
 111 37.9 25.9 48.1
 148 64.8 44.9 83.5

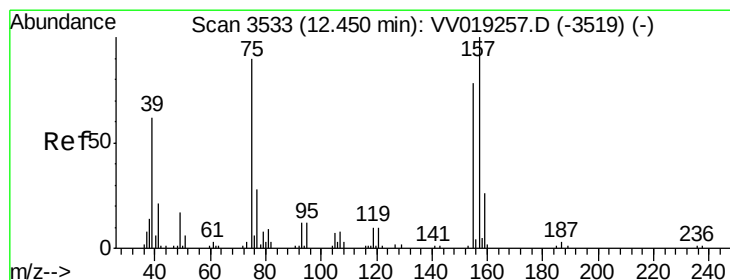
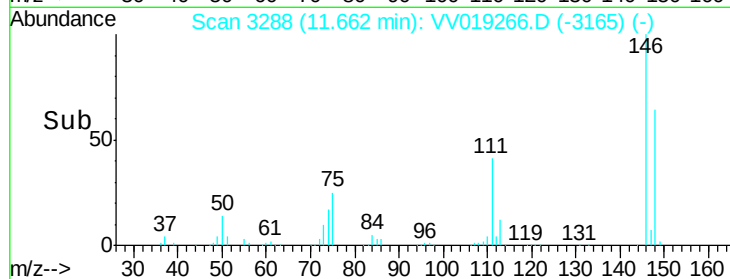
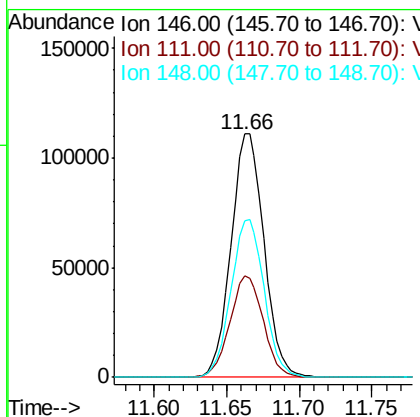
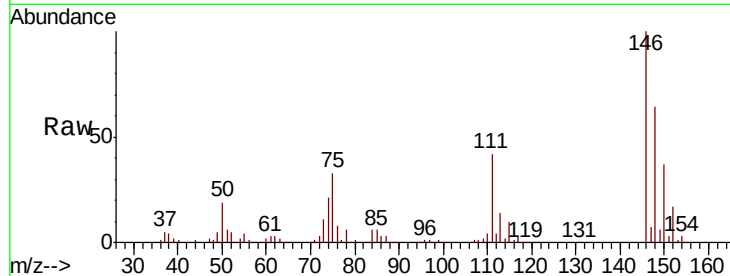




#67
 1,2-Dichlorobenzene
 Concen: 53.419 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

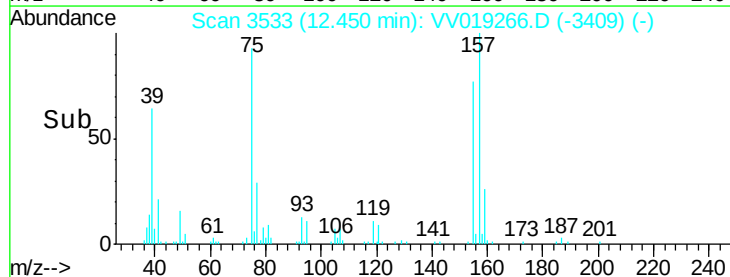
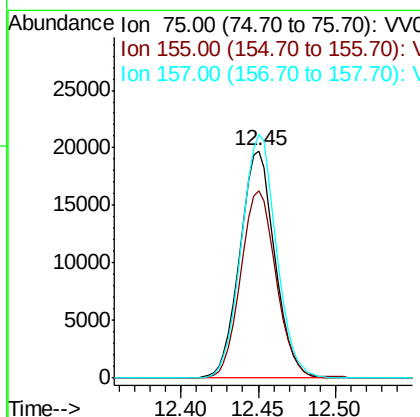
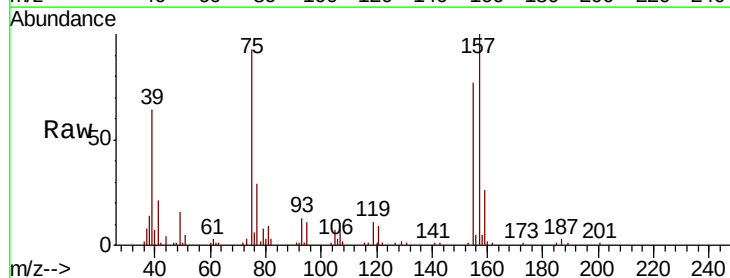
Instrument :
 MSVOA_V
 ClientSampleId :

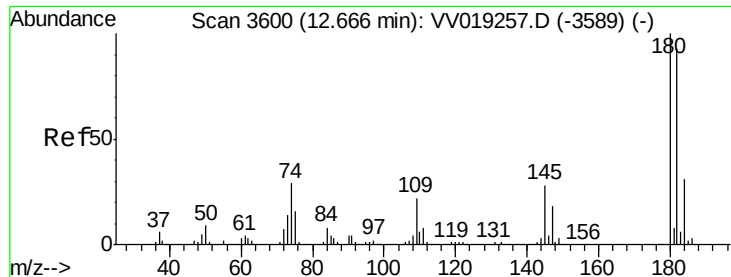
Tot Ion:146 Resp: 174960
 Ion Ratio Lower Upper
 146 100
 111 41.8 32.6 48.8
 148 64.2 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 58.777 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

Tgt Ion: 75 Resp: 31109
 Ion Ratio Lower Upper
 75 100
 155 82.3 65.8 98.6
 157 107.2 86.3 129.5

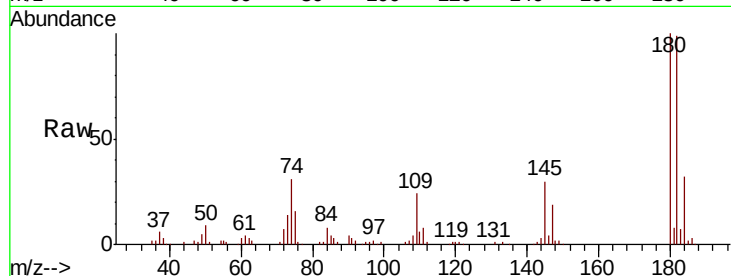




#69
 1,3,5-Trichlorobenzene
 Concen: 50.456 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.7	116.5
184	31.3	24.9	37.3
145	29.0	23.4	35.0

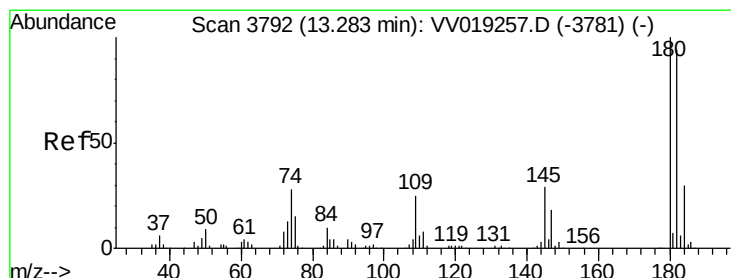
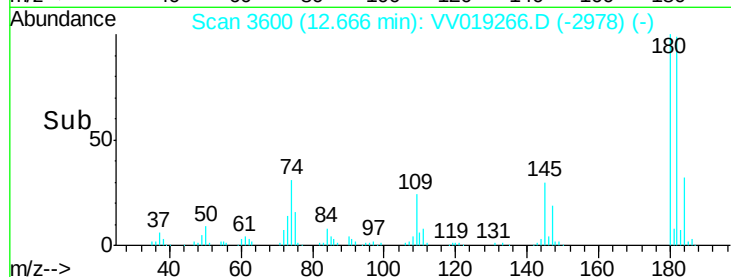
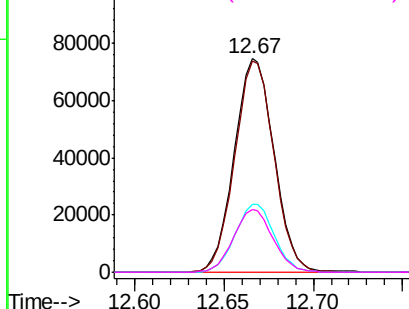


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

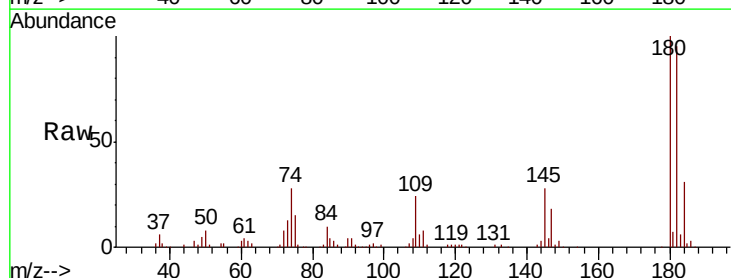
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 53.933 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019266.D
 Acq: 05 Nov 2020 01:31

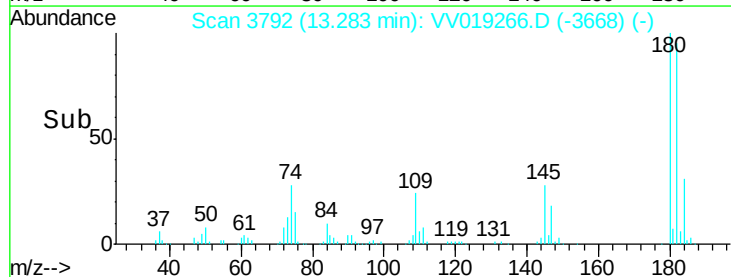
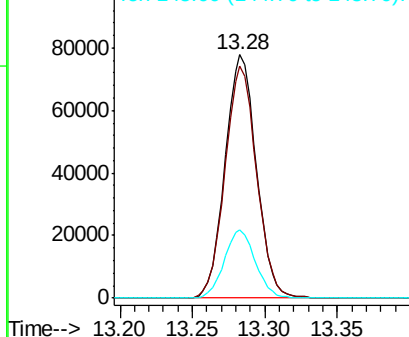
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	27.9	23.2	34.8

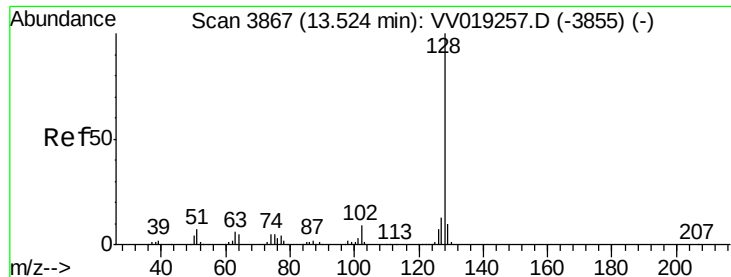


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

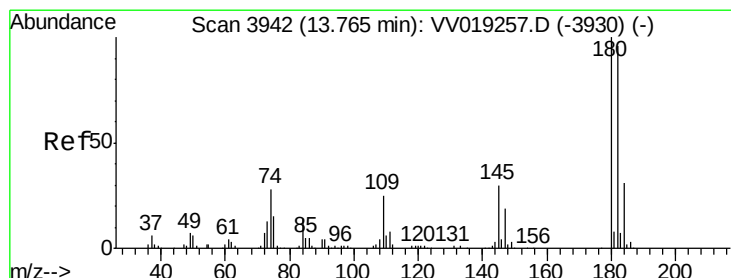
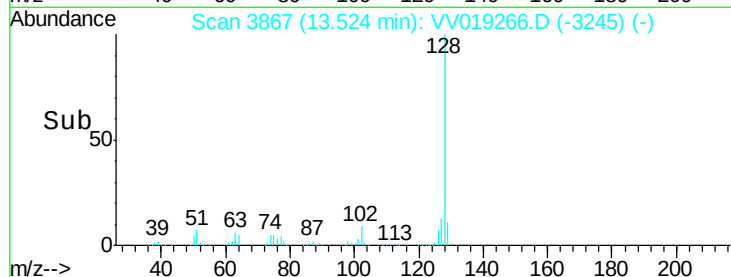
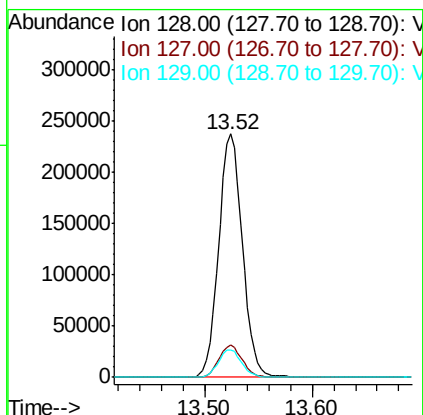
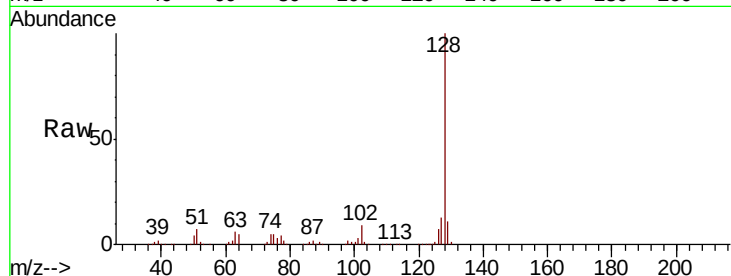




#71
Naphthalene
Concen: 59.528 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 362980
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.2 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 56.497 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VV019266.D
Acq: 05 Nov 2020 01:31

Tgt Ion:180 Resp: 121089
Ion Ratio Lower Upper
180 100
182 96.1 77.4 116.0
145 31.1 24.7 37.1

