

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019142.D
 Acq On : 28 Oct 2020 18:45
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 29 07:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	213420	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	205691	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	104221	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71526	36.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.78%
7) Chloroethane-d5	1.58	69	63234	40.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.04%
11) 1,1-Dichloroethene-d2	2.12	63	119269	32.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.70%
21) 2-Butanone-d5	3.92	46	113123	86.76	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.76%
24) Chloroform-d	4.38	84	156011	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
26) 1,2-Dichloroethane-d4	5.06	65	114798	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
32) Benzene-d6	5.07	84	290485	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
36) 1,2-Dichloropropane-d6	6.09	67	88969	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.30%
41) Toluene-d8	7.34	98	261212	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%
43) trans-1,3-Dichloropropene-	7.64	79	47505	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.98%
47) 2-Hexanone-d5	8.11	63	80351	90.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.67%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	118887	43.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	110957	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4065	2.445 ug/L	100
3) Chloromethane	1.25	50	4227	2.045 ug/L	98
5) Vinyl chloride	1.32	62	4437	2.179 ug/L #	62
6) Bromomethane	1.53	94	2903	2.491 ug/L	98
8) Chloroethane	1.60	64	3161	2.475 ug/L	94
9) Trichlorofluoromethane	1.77	101	7010	2.617 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4134	2.902 ug/L	88
12) 1,1-Dichloroethene	2.13	96	4451	3.123 ug/L #	1
13) Acetone	2.20	43	4895	5.539 ug/L	80
14) Carbon disulfide	2.31	76	10186	2.167 ug/L	100
15) Methyl Acetate	2.46	43	4081	2.197 ug/L #	87
16) Methylene chloride	2.52	84	4499	2.708 ug/L	84
17) trans-1,2-Dichloroethene	2.78	96	4056	2.693 ug/L	85
18) Methyl tert-butyl Ether	2.78	73	12561	2.571 ug/L	95
19) 1,1-Dichloroethane	3.22	63	7443	2.447 ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	4361	2.707 ug/L	85
23) Bromochloromethane	4.29	128	2304	2.810 ug/L #	84

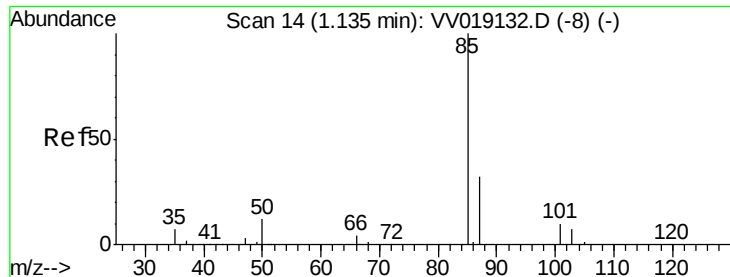
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019142.D
 Acq On : 28 Oct 2020 18:45
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 29 07:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8840	2.951	ug/L	98
27) 1,2-Dichloroethane	5.17	62	7266	2.922	ug/L	98
29) Cyclohexane	4.70	56	5035	2.045	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	7141	2.788	ug/L	98
31) Carbon tetrachloride	4.86	117	5933	2.657	ug/L	96
33) Benzene	5.13	78	15828	2.514	ug/L	100
34) Trichloroethene	5.95	95	4112	2.584	ug/L	83
35) Methylcyclohexane	6.16	83	4423	2.032	ug/L	97
37) 1,2-Dichloropropane	6.20	63	3608	2.081	ug/L #	92
38) Bromodichloromethane	6.54	83	5872	2.677	ug/L	90
39) cis-1,3-Dichloropropene	7.05	75	6203	2.421	ug/L	91
40) 4-Methyl-2-pentanone	7.25	43	10150	4.340	ug/L	96
42) Toluene	7.41	91	15720	2.432	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	6809	2.679	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	3972	2.594	ug/L	93
46) Tetrachloroethene	8.00	164	3356	2.748	ug/L	96
48) 2-Hexanone	8.17	43	9006	4.990	ug/L	97
49) Dibromochloromethane	8.27	129	4886	2.920	ug/L	100
50) 1,2-Dibromoethane	8.38	107	4201	2.644	ug/L #	95
51) Chlorobenzene	8.90	112	11483	2.770	ug/L	98
52) Ethylbenzene	9.04	91	16562	2.370	ug/L	99
53) m,p-Xylene	9.16	106	6032	2.358	ug/L	97
54) o-xylene	9.57	106	6137	2.491	ug/L	90
55) Styrene	9.59	104	10807	2.473	ug/L	85
56) Isopropylbenzene	9.95	105	14507	2.240	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	6446	2.559	ug/L #	96
59) 1,2,3-Trichloropropane	10.30	75	5758	2.841	ug/L	96
61) Bromoform	9.76	173	3245	2.765	ug/L	95
62) 1,3-Dichlorobenzene	11.21	146	8641	2.763	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	9566	2.927	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	9174	2.909	ug/L #	91
66) 1,2-Dibromo-3-chloropropan	12.45	75	1460	2.621	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	6333	2.965	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	5787	2.874	ug/L	96
69) Naphthalene	13.53	128	13989	2.254	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	5403	2.648	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.445 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

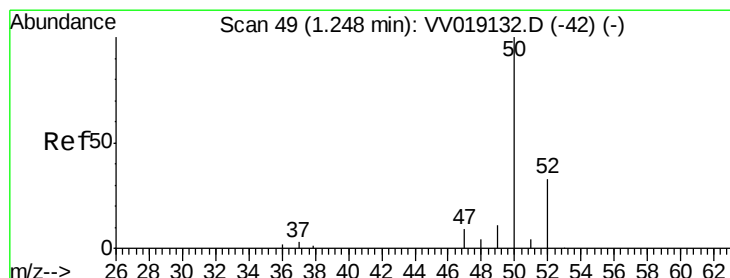
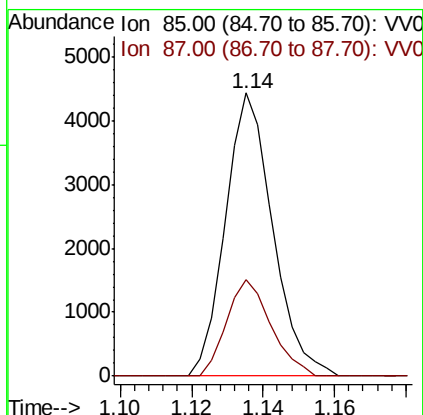
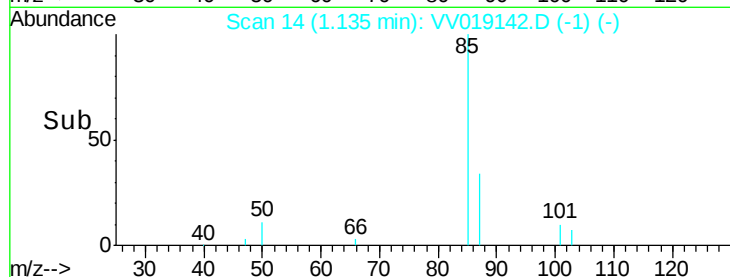
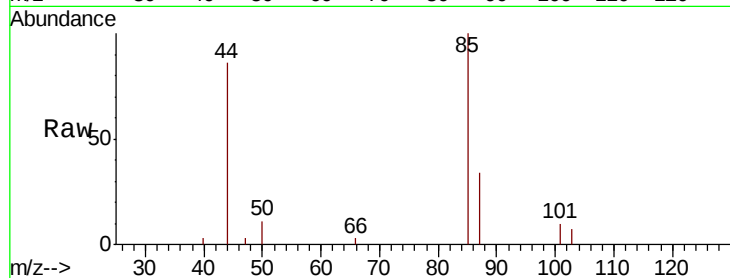
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 4065

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



#3

Chloromethane

Concen: 2.045 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019142.D

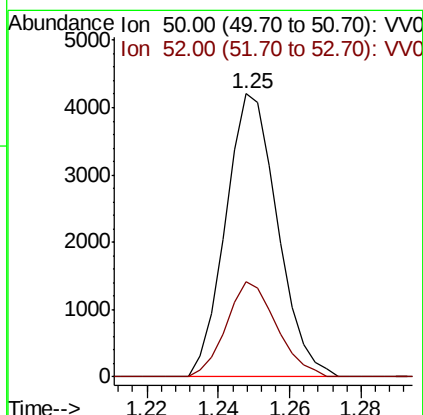
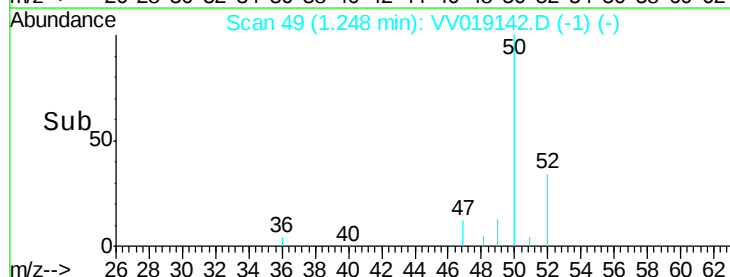
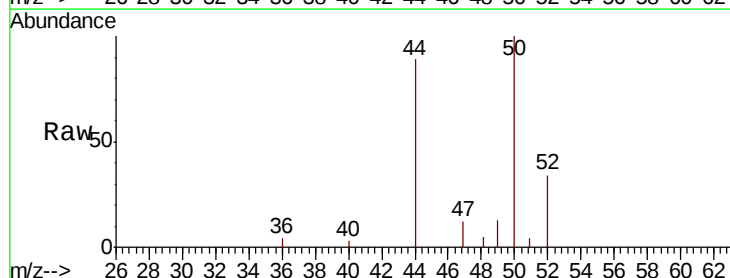
Acq: 28 Oct 2020 18:45

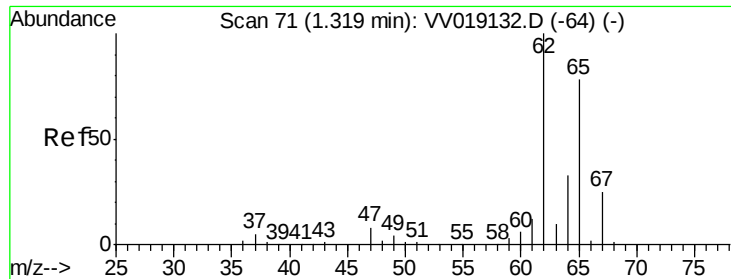
Tgt Ion: 50 Resp: 4227

Ion Ratio Lower Upper

50 100

52 33.7 22.7 42.1





#5

Vinyl chloride

Concen: 2.179 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

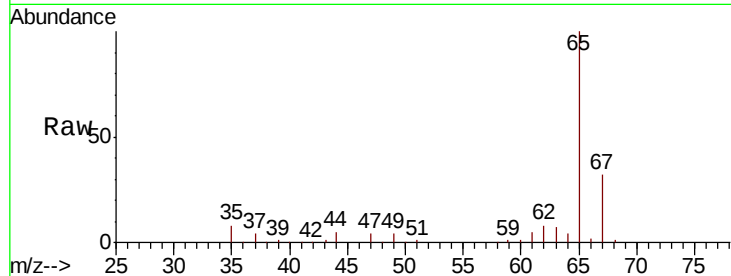
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 4437

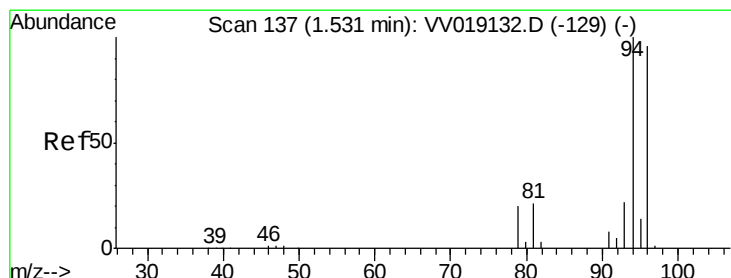
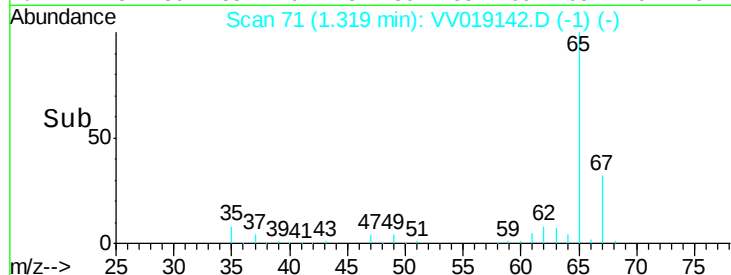
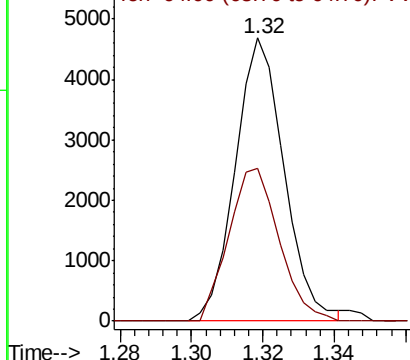
Ion Ratio Lower Upper

62 100

64 53.9 22.9 42.5#



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



#6

Bromomethane

Concen: 2.491 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019142.D

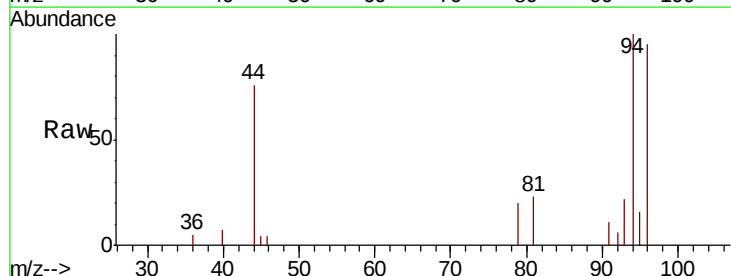
Acq: 28 Oct 2020 18:45

Tgt Ion: 94 Resp: 2903

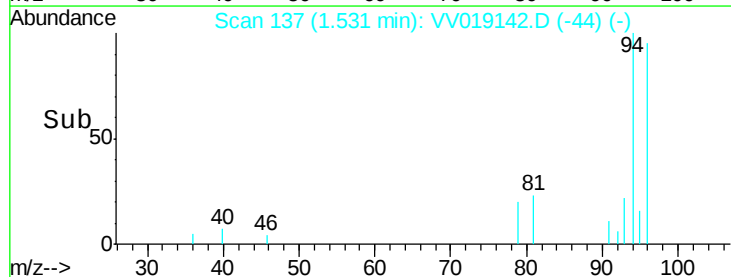
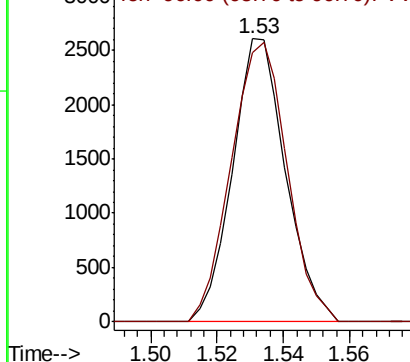
Ion Ratio Lower Upper

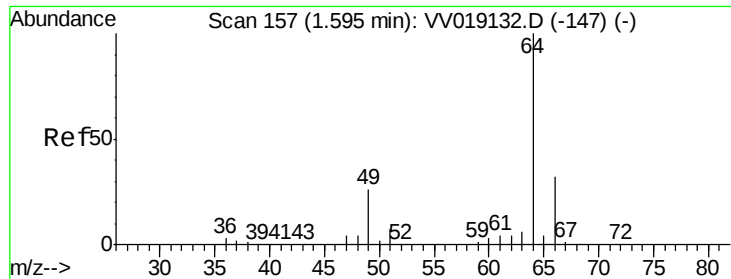
94 100

96 94.9 65.3 121.3



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





#8

Chloroethane

Concen: 2.475 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :

MSVOA_V

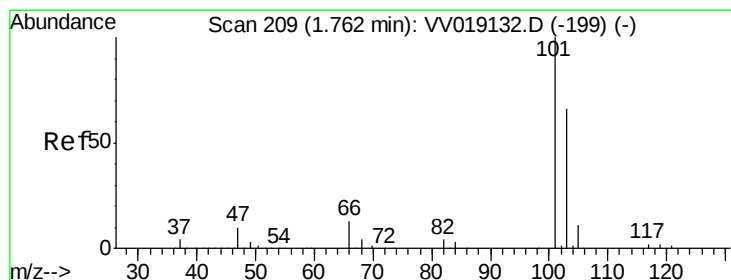
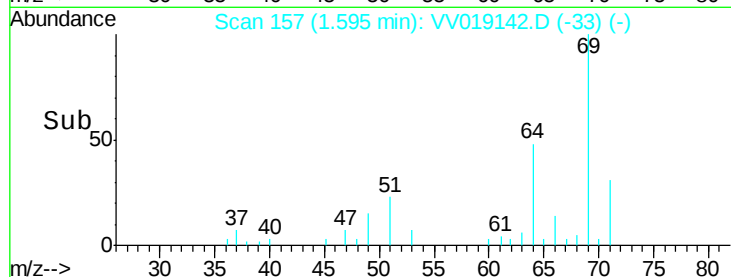
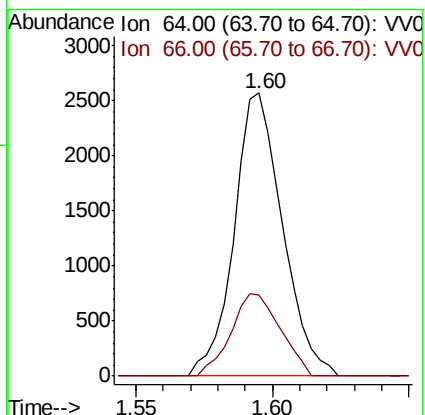
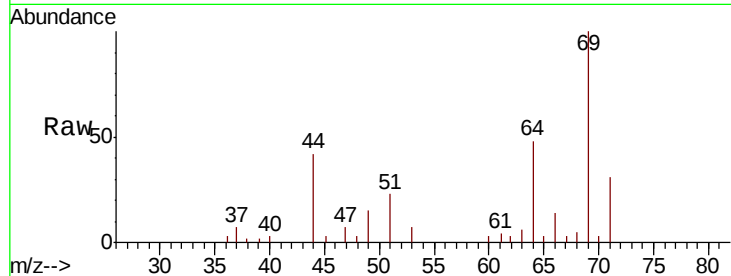
ClientSampleId :

Tot Ion: 64 Resp: 3161

Ion Ratio Lower Upper

64 100

66 28.7 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.617 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019142.D

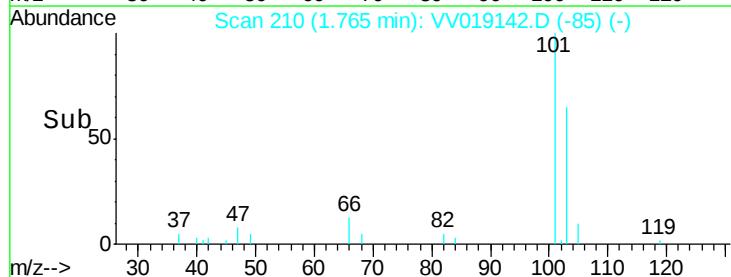
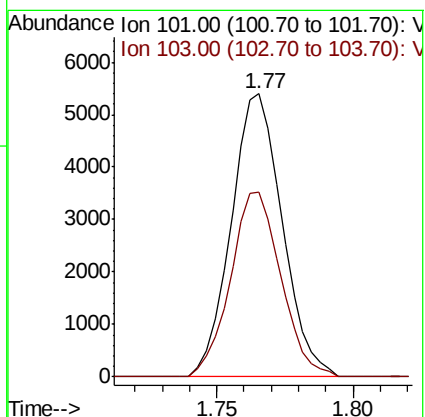
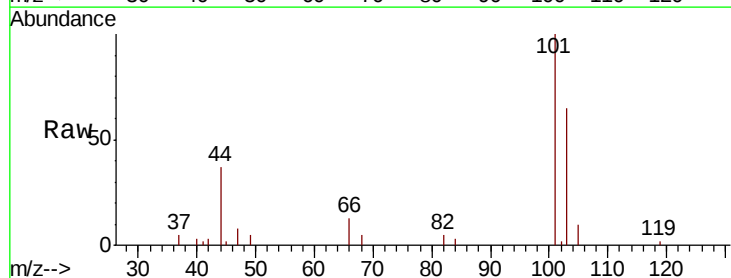
Acq: 28 Oct 2020 18:45

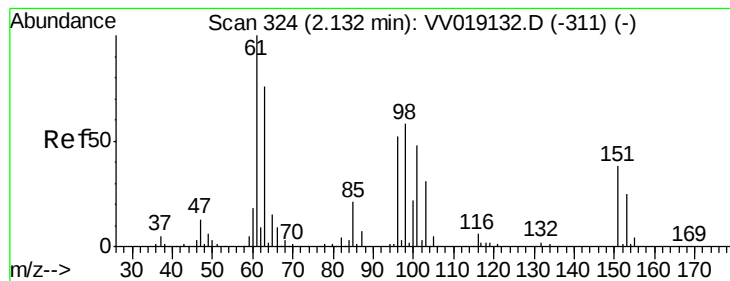
Tgt Ion: 101 Resp: 7010

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5





#10

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

Concen: 2.902 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :

MSVOA_V

ClientSampled :

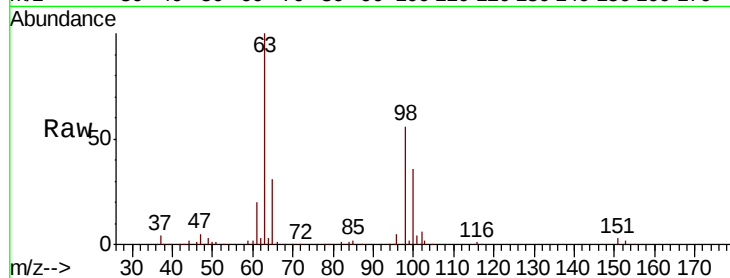
Tot Ion:101 Resp: 4134

Ion Ratio Lower Upper

101 100

85 38.6 36.9 55.3

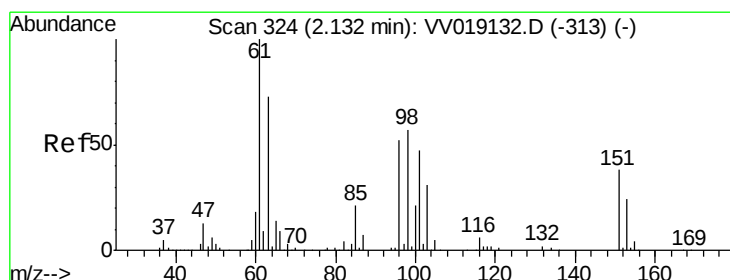
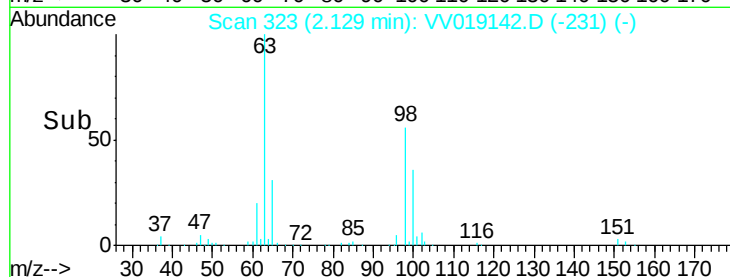
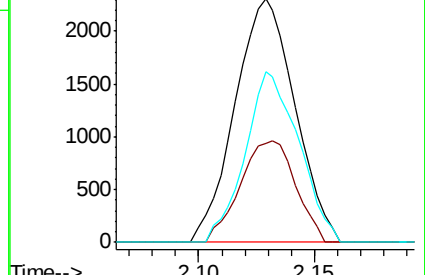
151 62.7 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.123 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

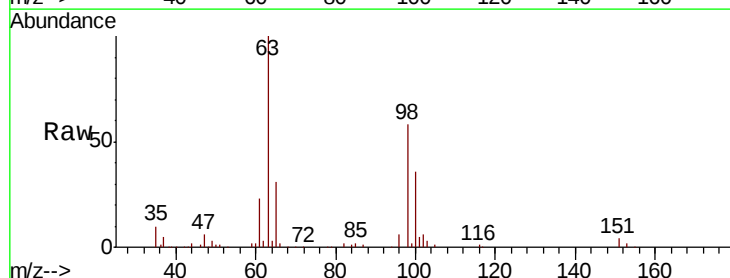
Tgt Ion: 96 Resp: 4451

Ion Ratio Lower Upper

96 100

61 351.9 138.7 257.7#

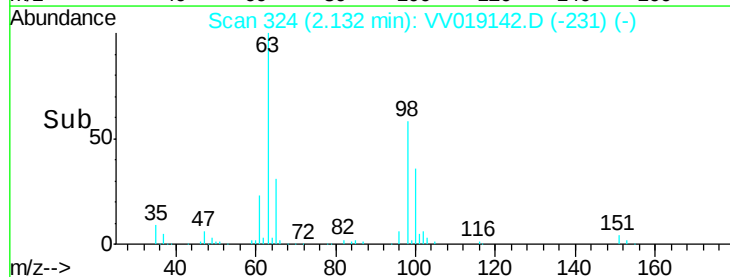
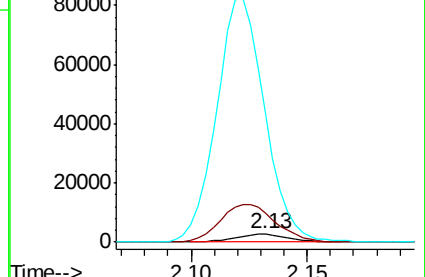
63 1548.3 126.3 234.6#

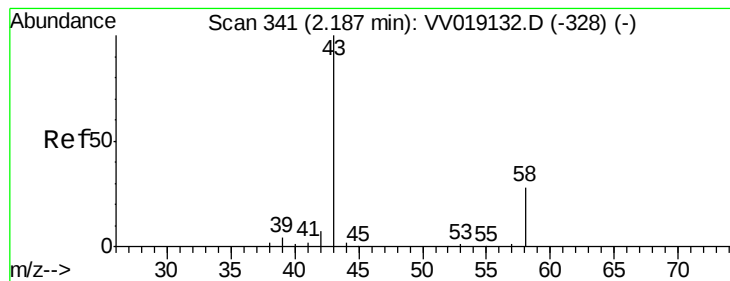


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.539 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

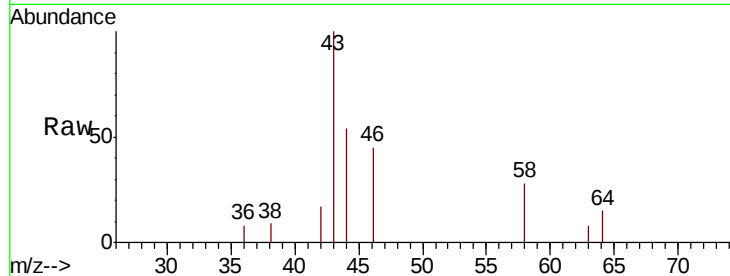
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4895

Ion Ratio Lower Upper

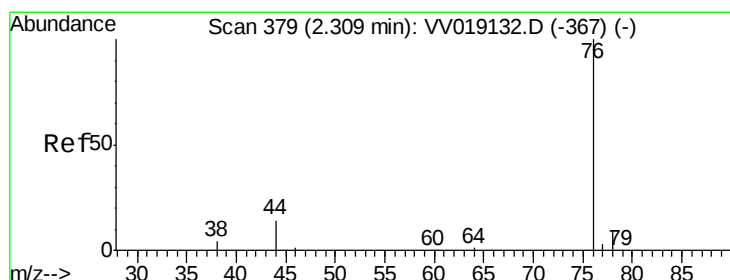
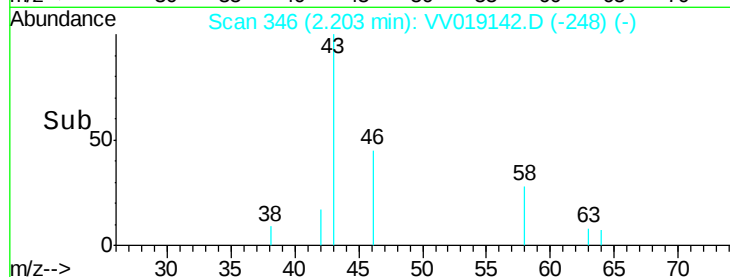
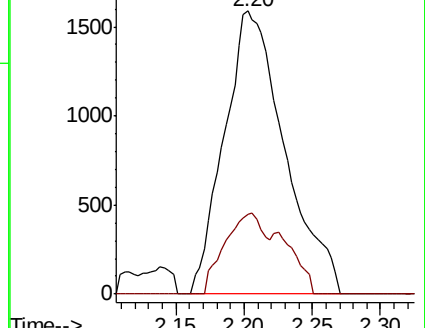
43 100

58 19.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019142.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV019142.D (-248) (-)



#14

Carbon disulfide

Concen: 2.167 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019142.D

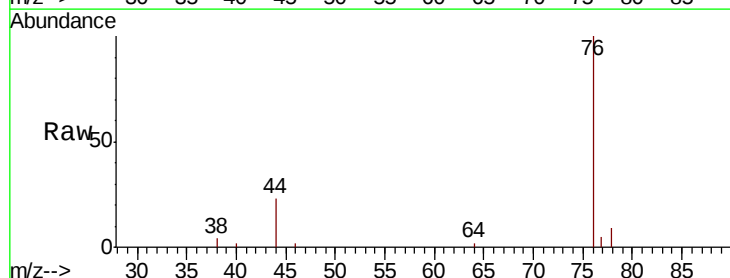
Acq: 28 Oct 2020 18:45

Tgt Ion: 76 Resp: 10186

Ion Ratio Lower Upper

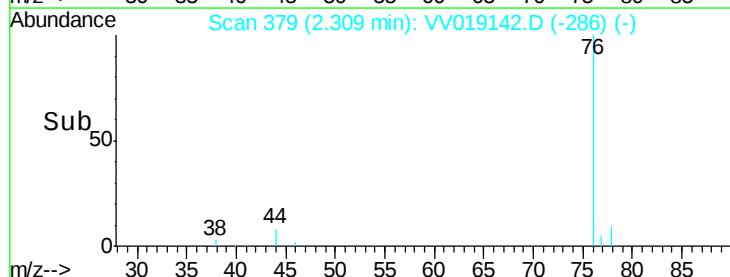
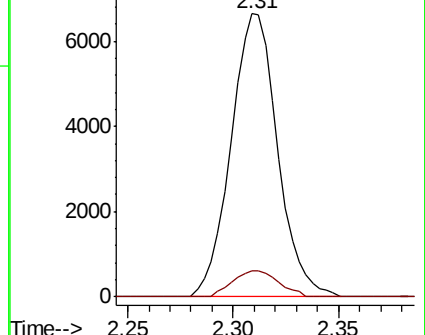
76 100

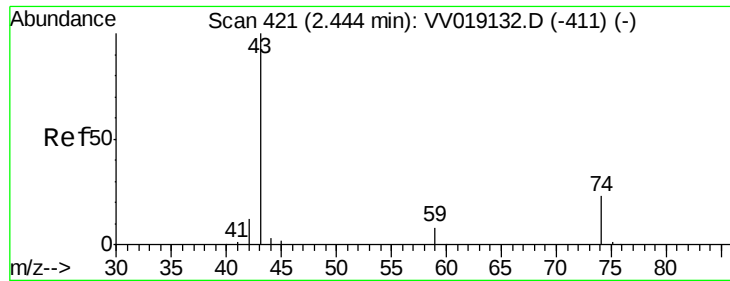
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019142.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019142.D (-286) (-)

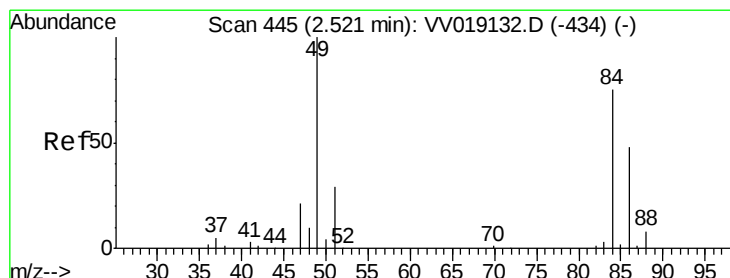
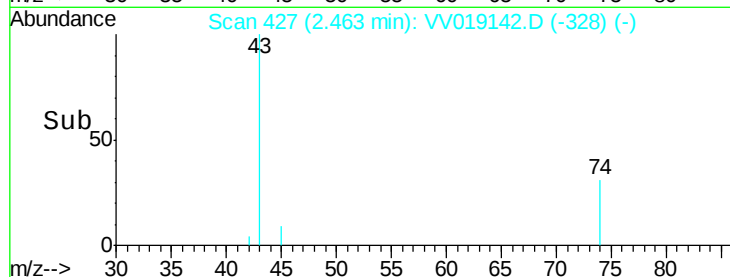
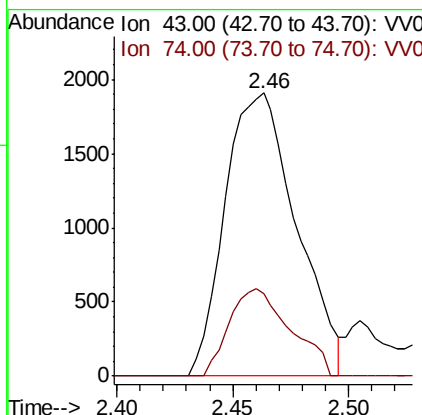
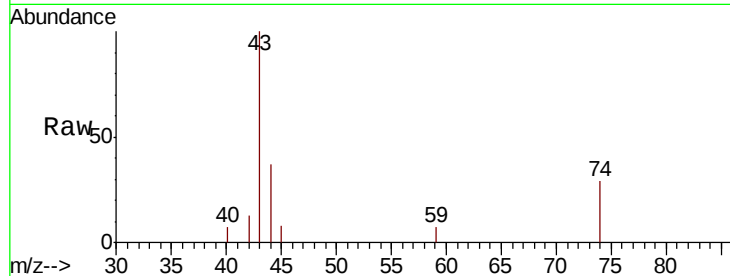




#15
Methvl Acetate
Concen: 2.197 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.02 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

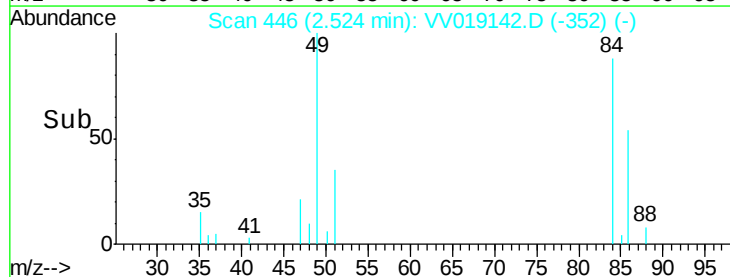
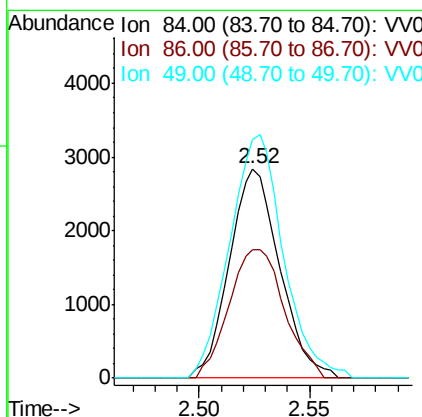
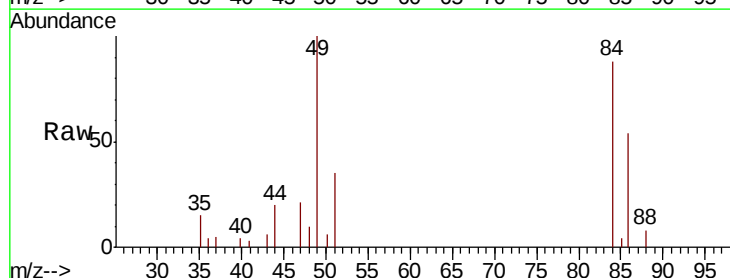
Instrument :
MSVOA_V
ClientSampleId :

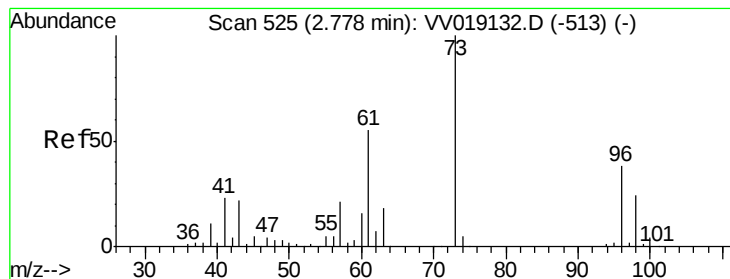
Tot Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
74 26.6 16.4 24.6#



#16
Methylene chloride
Concen: 2.708 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 84 Resp: 4499
Ion Ratio Lower Upper
84 100
86 61.1 44.2 82.2
49 113.8 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 2.693 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :
MSVOA_V
ClientSampled :

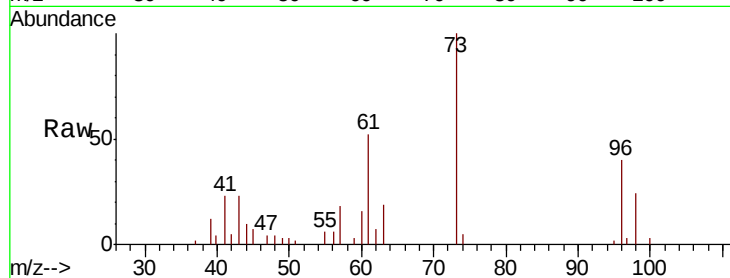
Tot Ion: 96 Resp: 4056

Ion Ratio Lower Upper

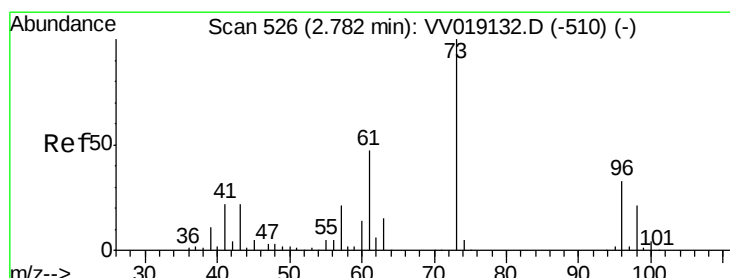
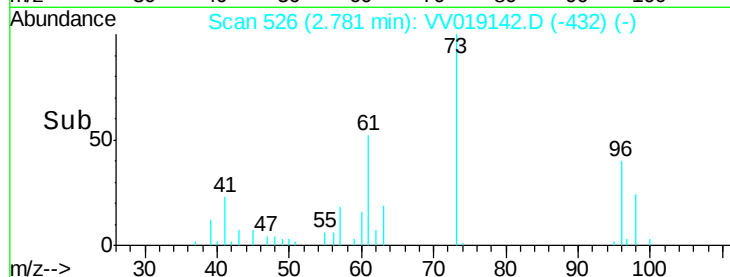
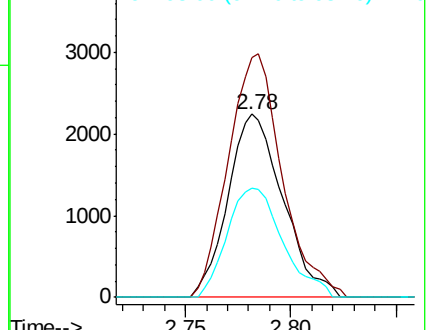
96 100

61 130.8 108.6 201.8

98 59.5 45.7 84.9



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: 2.571 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

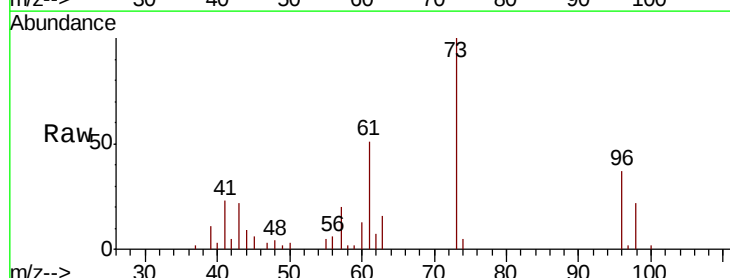
Tgt Ion: 73 Resp: 12561

Ion Ratio Lower Upper

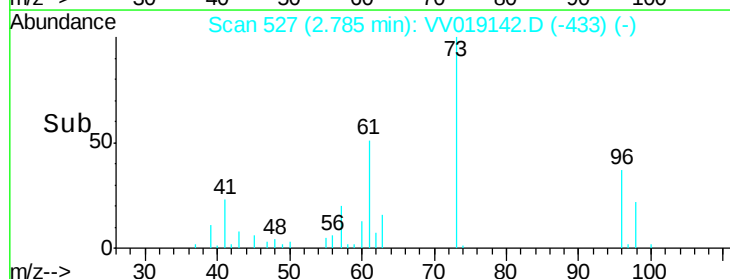
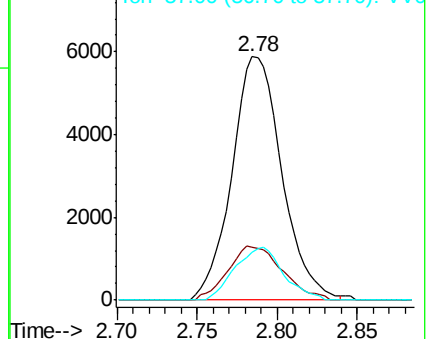
73 100

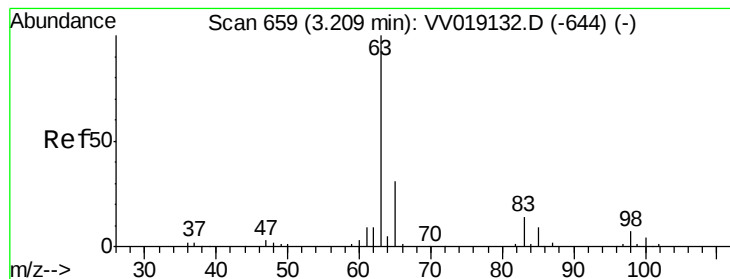
43 24.2 17.2 25.8

57 21.1 18.5 27.7



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: 2.447 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :

MSVOA_V

ClientSampleId :

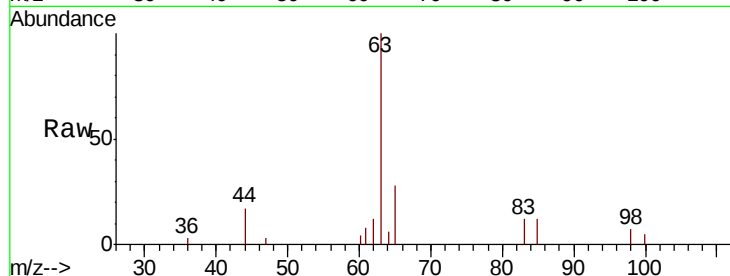
Tot Ion: 63 Resp: 7443

Ion Ratio Lower Upper

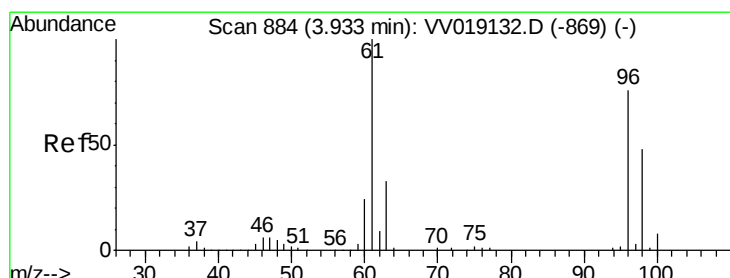
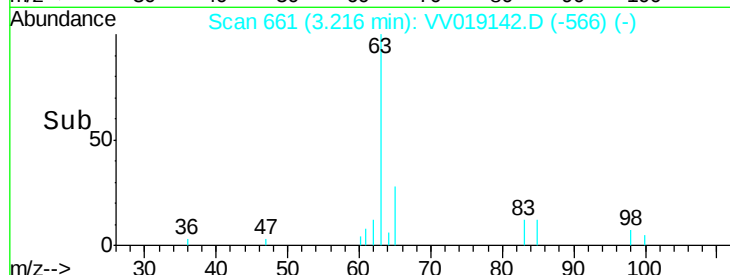
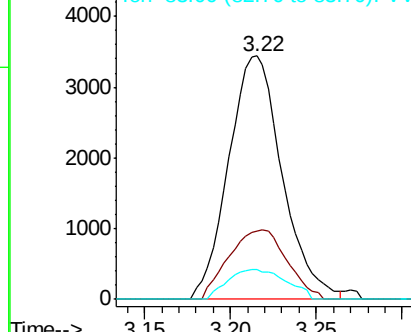
63 100

65 28.2 22.7 42.1

83 12.4 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.707 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

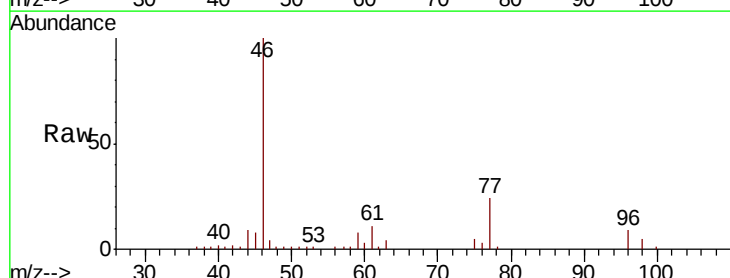
Tgt Ion: 96 Resp: 4361

Ion Ratio Lower Upper

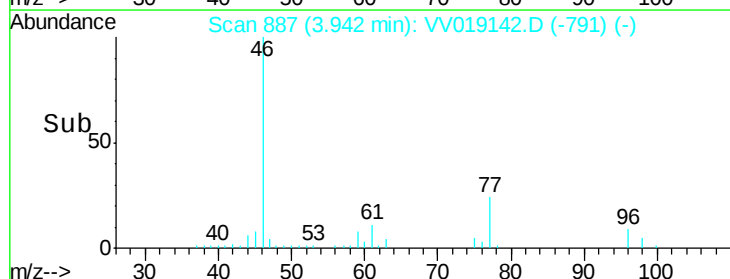
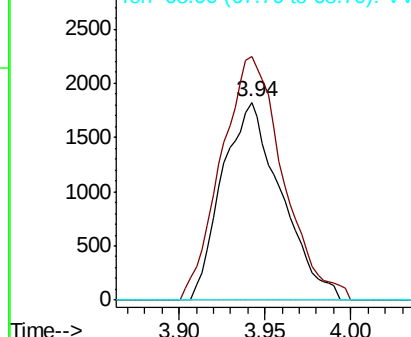
96 100

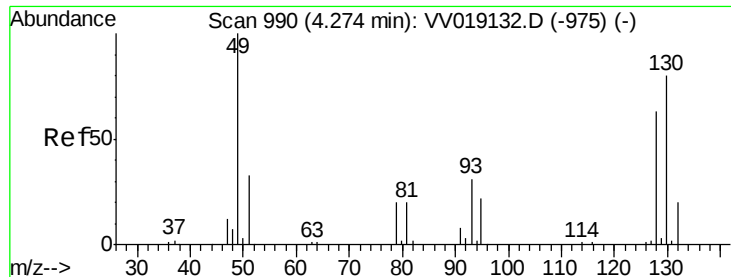
61 123.2 99.4 184.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 2.810 ug/L

RT: 4.29 min Scan# 994

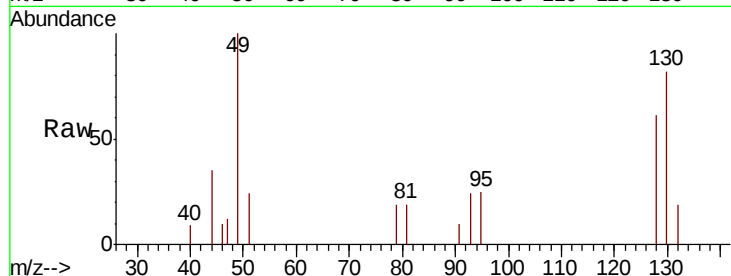
Delta R.T. 0.01 min

Lab File: VV019142.D

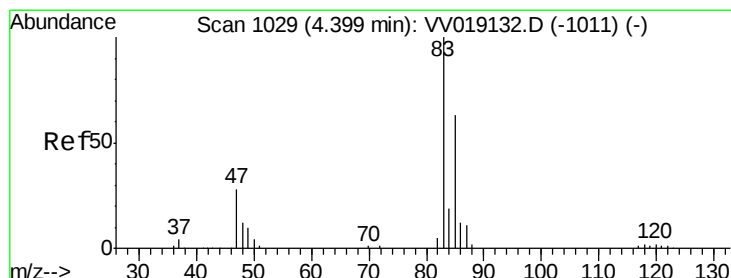
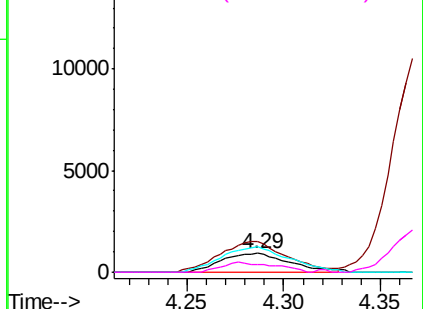
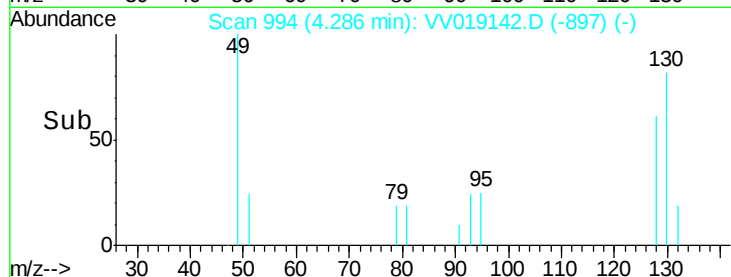
Acq: 28 Oct 2020 18:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 2304
Ion Ratio Lower Upper
128 100
49 164.4 137.1 254.5
130 134.2 92.0 170.9
51 38.9 49.0 73.4#



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: 2.951 ug/L

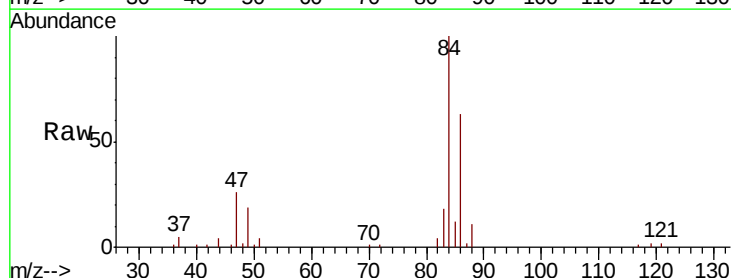
RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

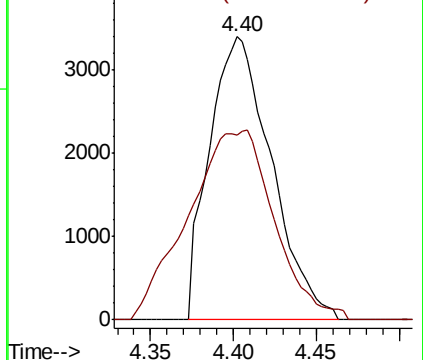
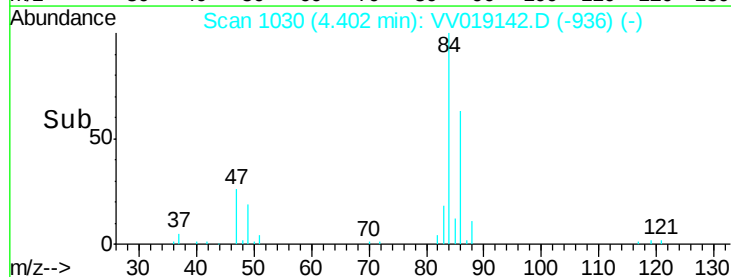
Lab File: VV019142.D

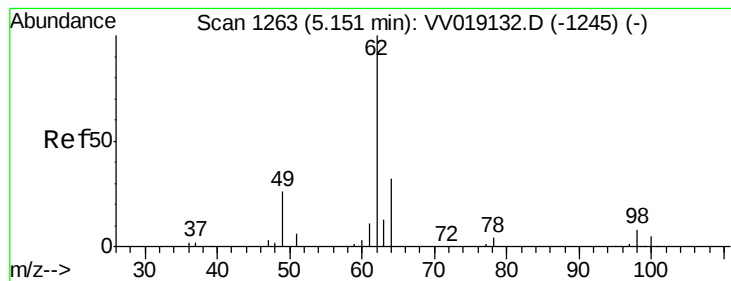
Acq: 28 Oct 2020 18:45

Tgt Ion: 83 Resp: 8840
Ion Ratio Lower Upper
83 100
85 65.5 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.922 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :

MSVOA_V

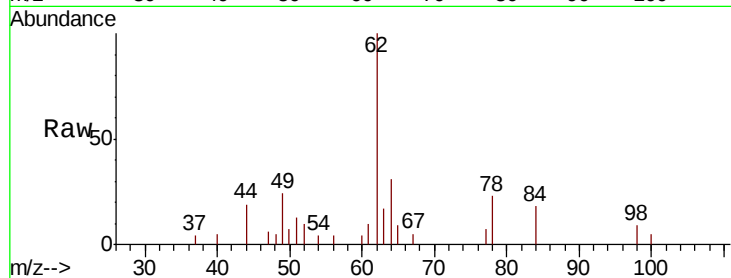
ClientSampleId :

Tot Ion: 62 Resp: 7266

Ion Ratio Lower Upper

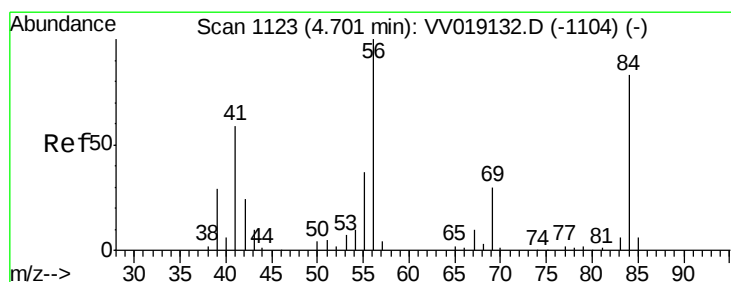
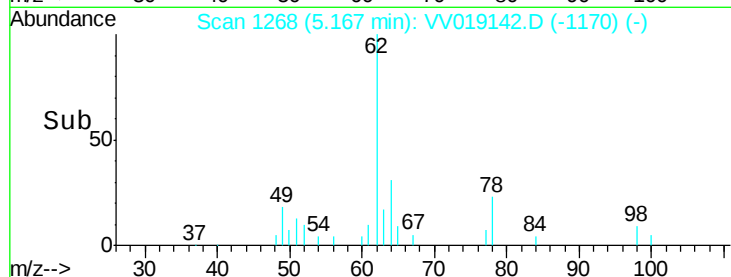
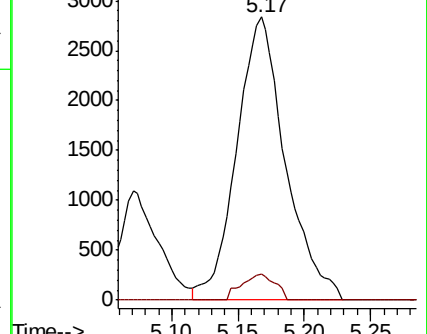
62 100

98 9.2 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 2.045 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

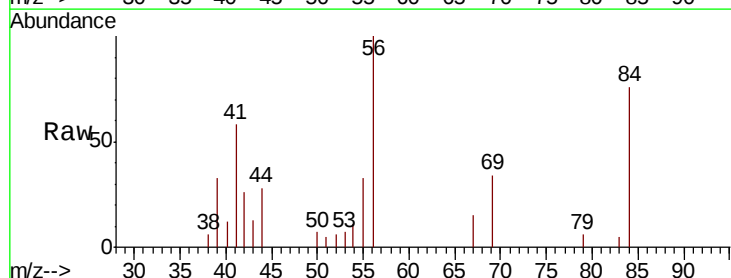
Tgt Ion: 56 Resp: 5035

Ion Ratio Lower Upper

56 100

69 29.2 22.7 34.1

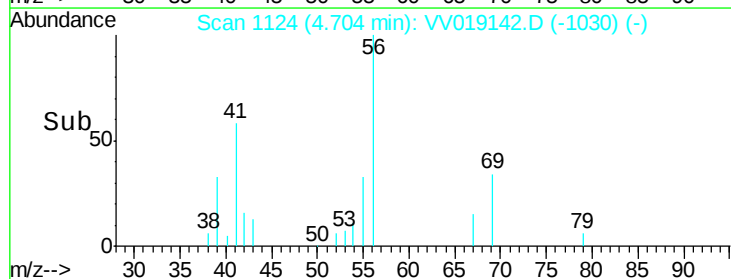
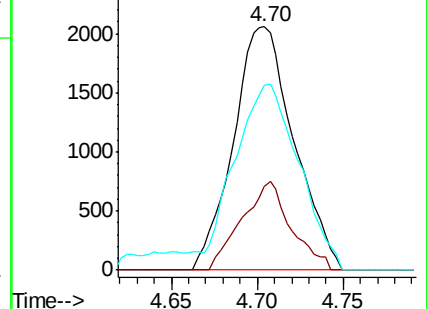
84 80.7 63.5 95.3

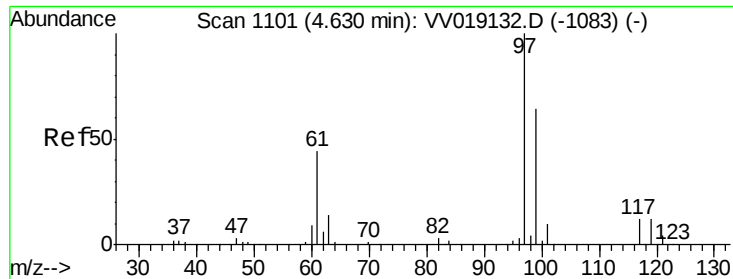


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

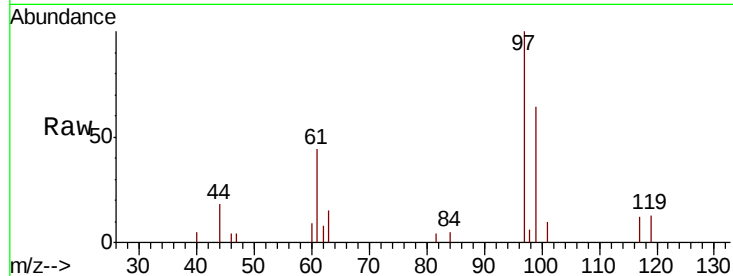




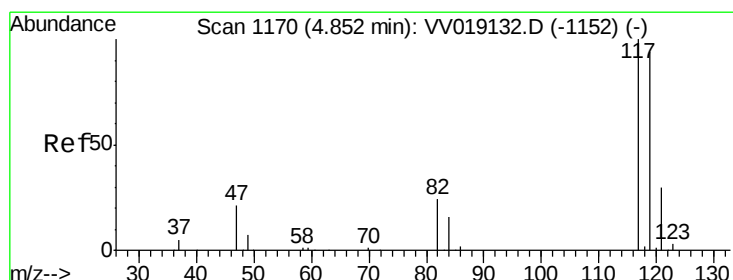
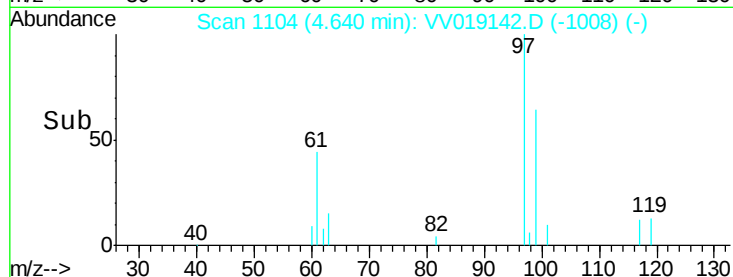
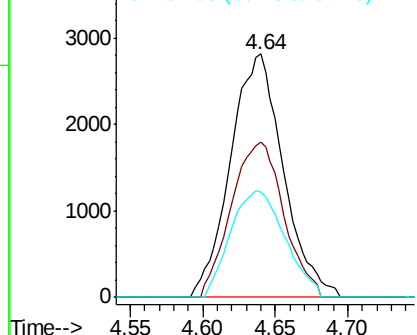
#30
 1,1,1-Trichloroethane
 Concen: 2.788 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 7141
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.5 75.7
 61 45.0 38.1 57.1

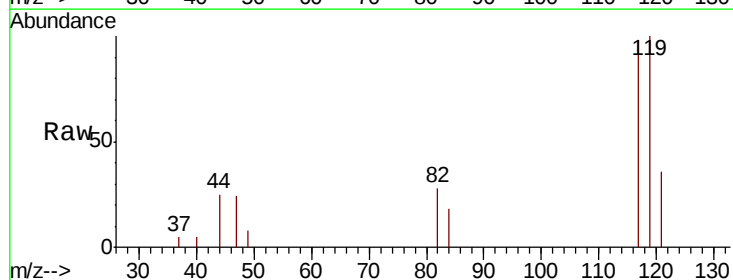


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

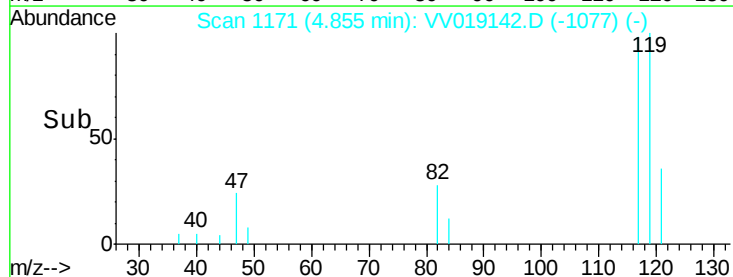
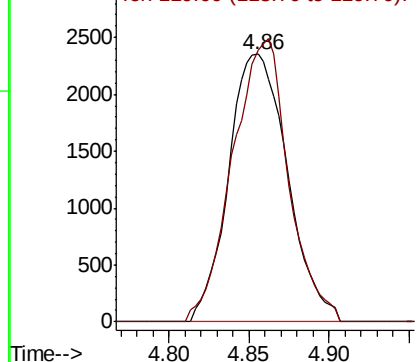


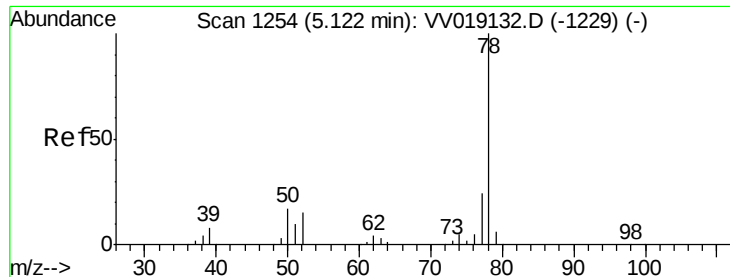
#31
 Carbon tetrachloride
 Concen: 2.657 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Tgt Ion: 117 Resp: 5933
 Ion Ratio Lower Upper
 117 100
 119 100.6 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.514 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV019142.D

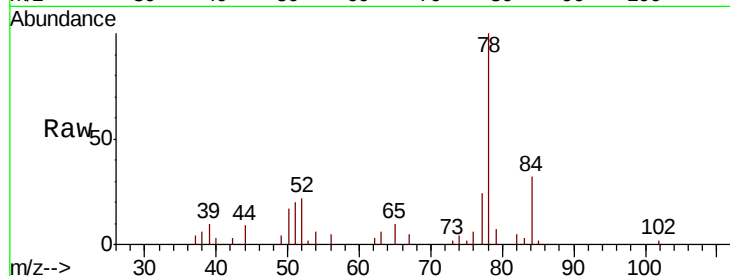
Acq: 28 Oct 2020 18:45

Instrument :

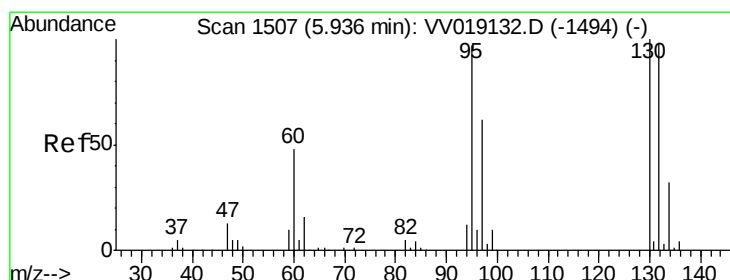
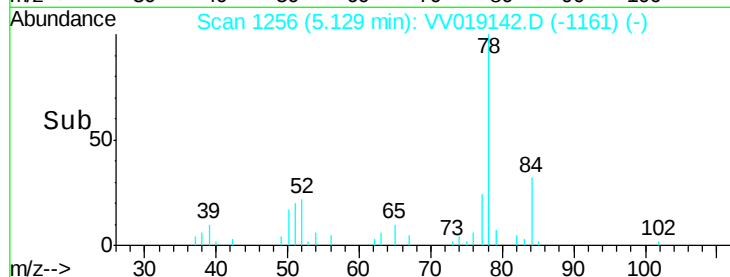
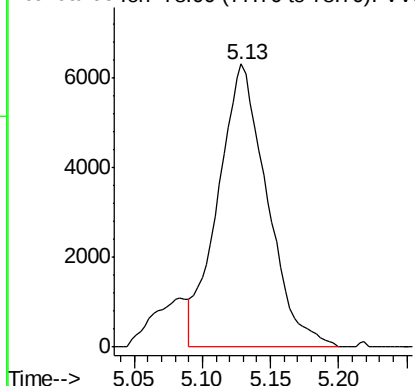
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 15828



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.584 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Tgt Ion: 95 Resp: 4112

Ion	Ratio	Lower	Upper
95	100		
97	71.3	44.6	82.8
132	109.4	66.0	122.6
130	118.0	67.6	125.6

95 100

97 71.3 44.6 82.8

132 109.4 66.0 122.6

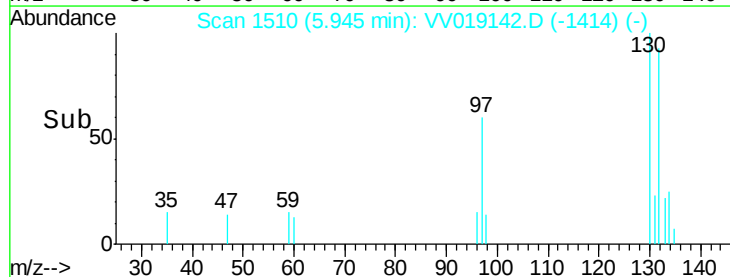
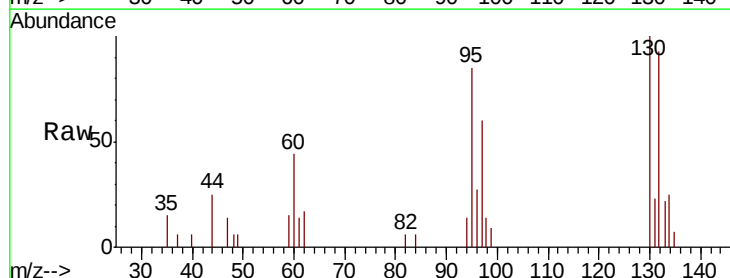
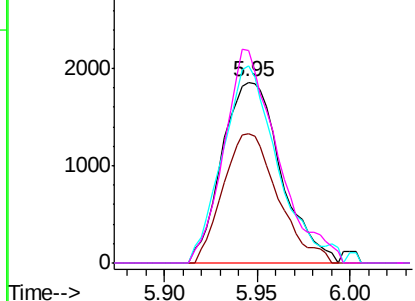
130 118.0 67.6 125.6

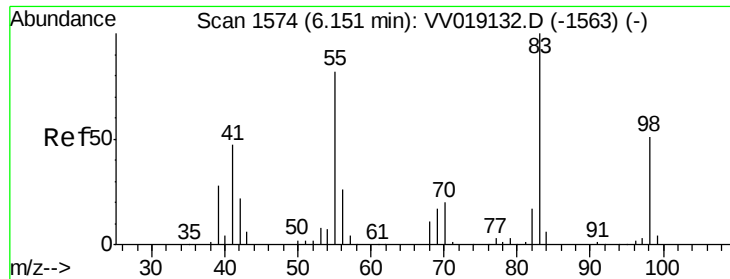
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

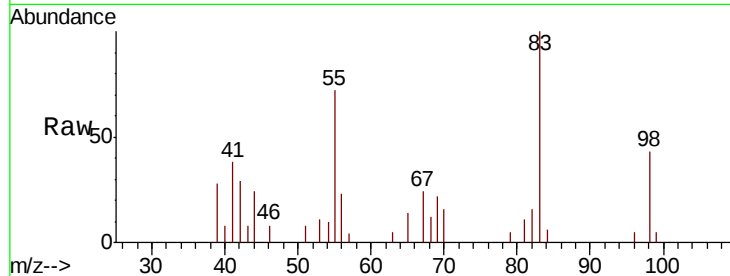




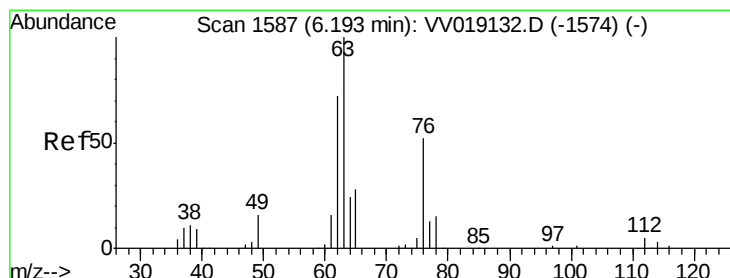
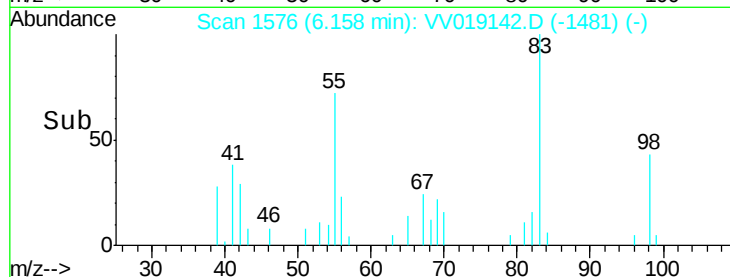
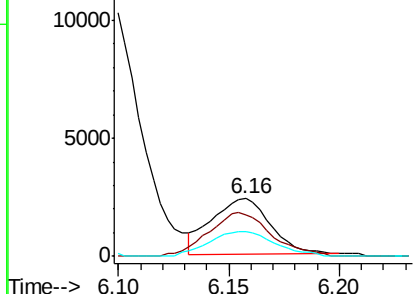
#35
Methvlcvclohexane
Concen: 2.032 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 4423
Ion Ratio Lower Upper
83 100
55 82.1 68.1 102.1
98 49.5 37.9 56.9

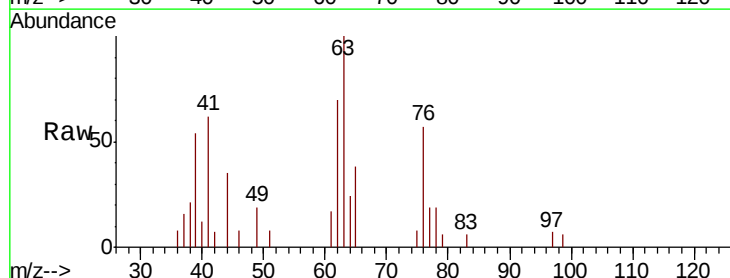


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

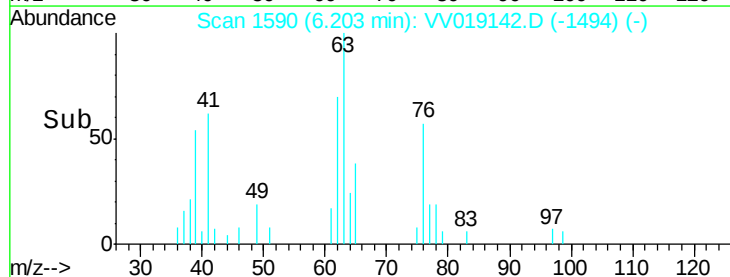
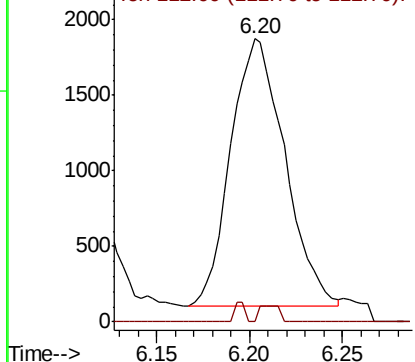


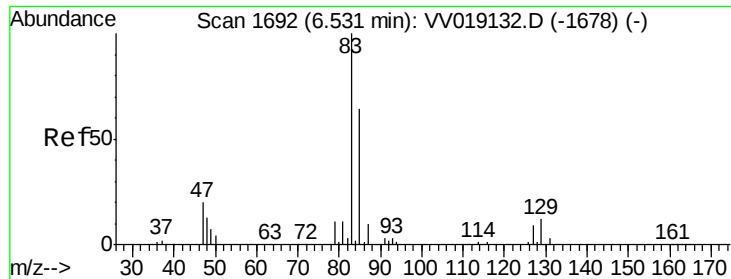
#37
1,2-Dichloropropane
Concen: 2.081 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 63 Resp: 3608
Ion Ratio Lower Upper
63 100
112 1.7 3.5 5.3#



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

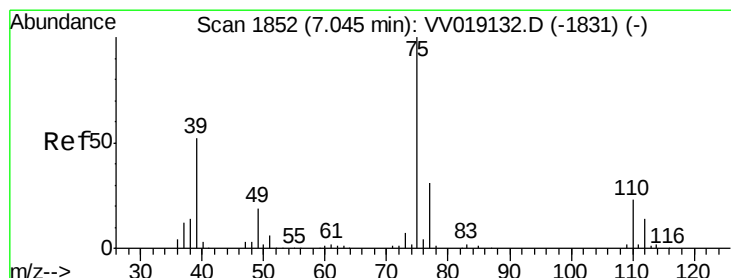
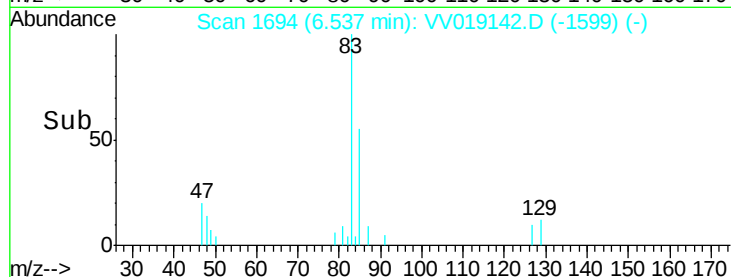
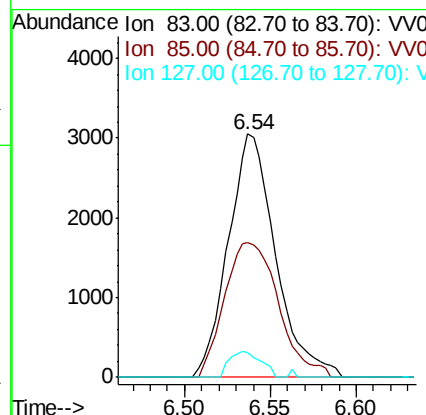
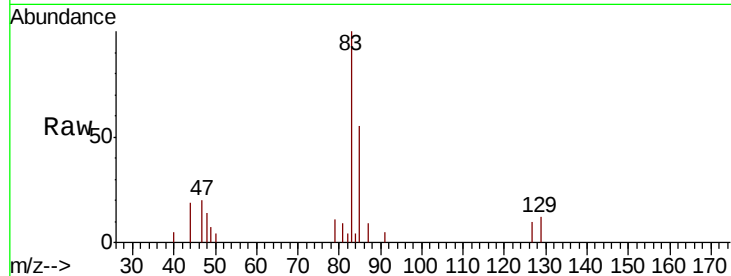




#38
 Bromodichloromethane
 Concen: 2.677 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

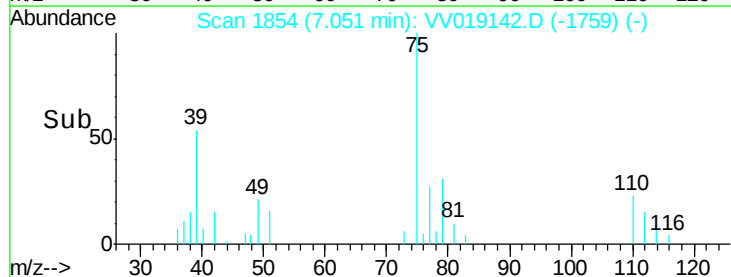
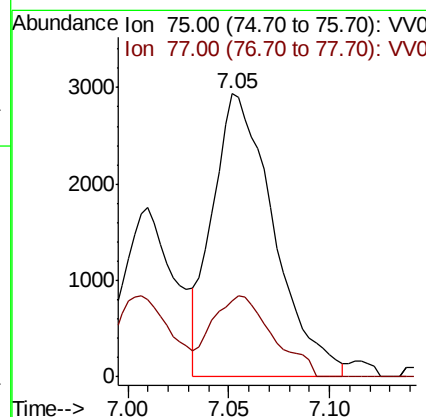
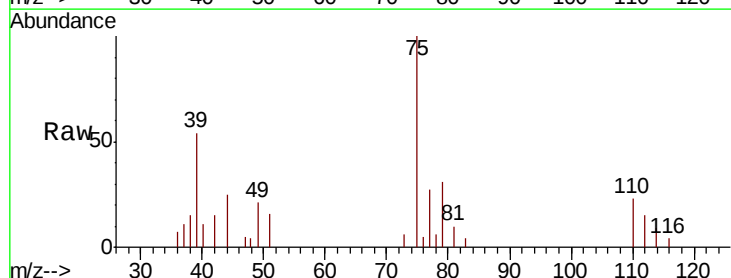
Instrument :
 MSVOA_V
 ClientSampleId :

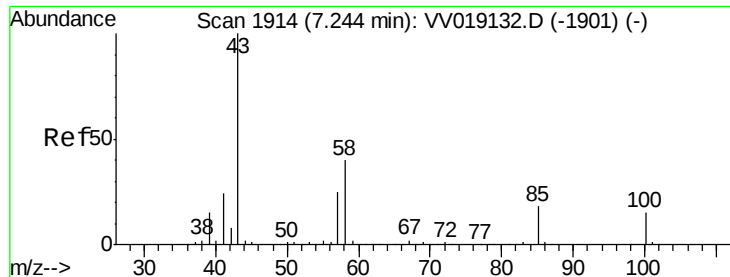
Tot Ion: 83 Resp: 5872
 Ion Ratio Lower Upper
 83 100
 85 55.4 44.9 83.3
 127 9.9 7.0 10.4



#39
 cis-1,3-Dichloropropene
 Concen: 2.421 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Tgt Ion: 75 Resp: 6203
 Ion Ratio Lower Upper
 75 100
 77 26.6 22.1 41.1

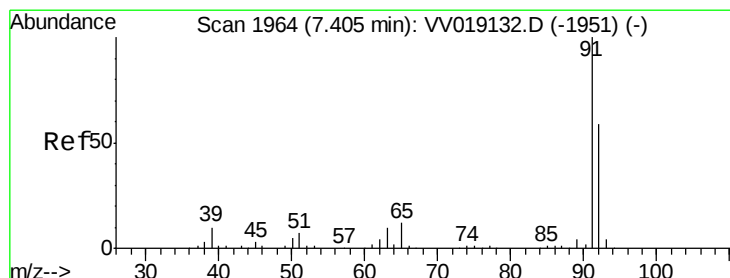
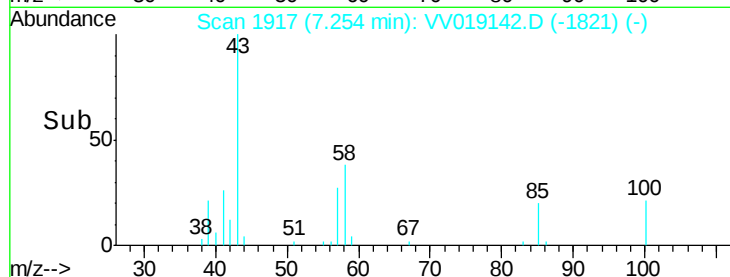
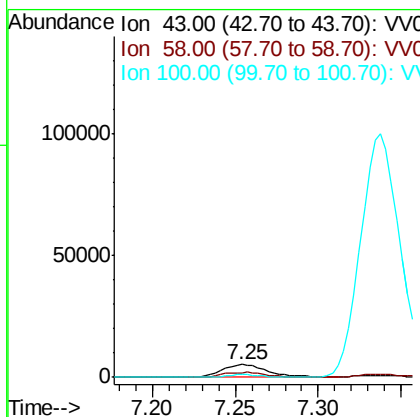
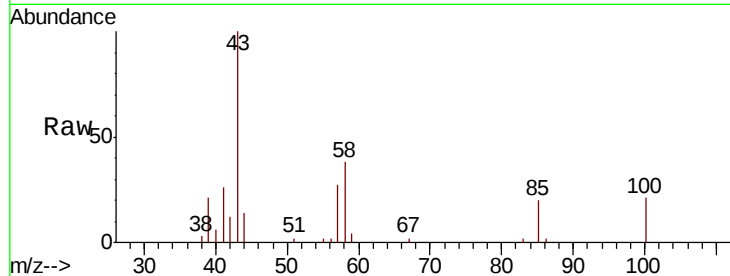




#40
4-Methyl-2-pentanone
Concen: 4.340 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

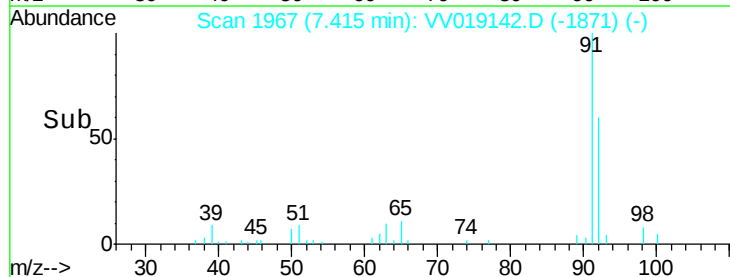
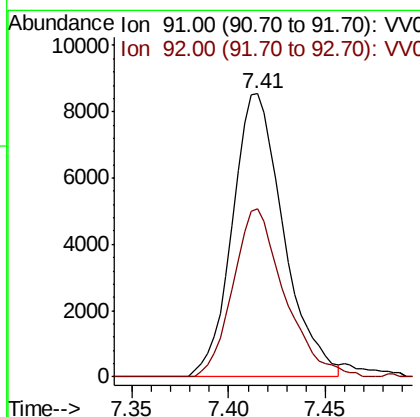
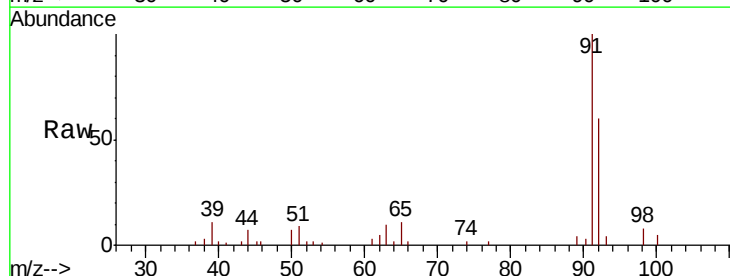
Instrument :
MSVOA_V
ClientSampled :

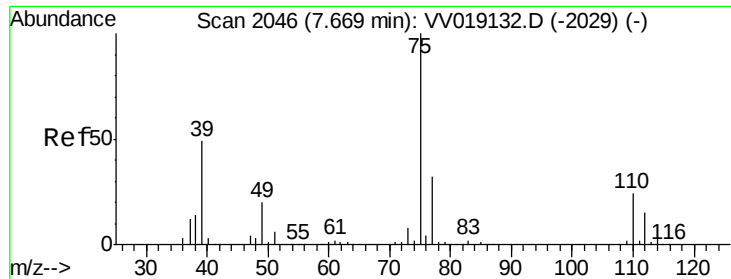
Tot Ion: 43 Resp: 10150
Ion Ratio Lower Upper
43 100
58 38.7 29.6 44.4
100 16.2 10.9 16.3



#42
Toluene
Concen: 2.432 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 91 Resp: 15720
Ion Ratio Lower Upper
91 100
92 59.6 40.9 76.0

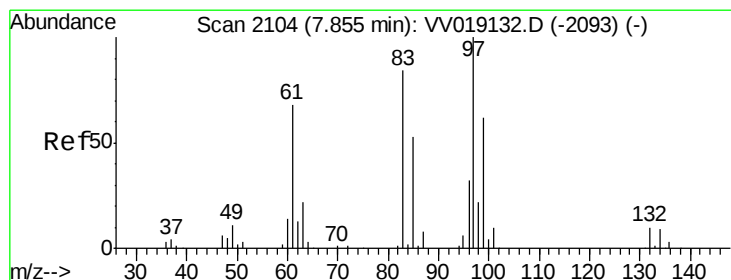
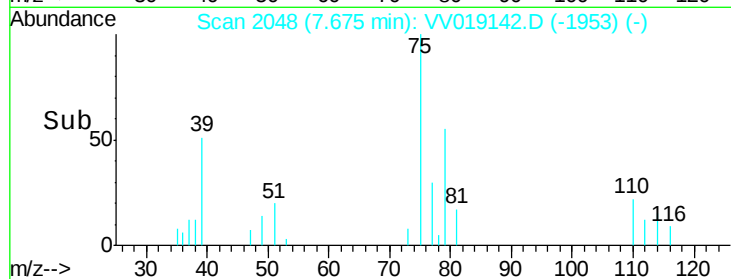
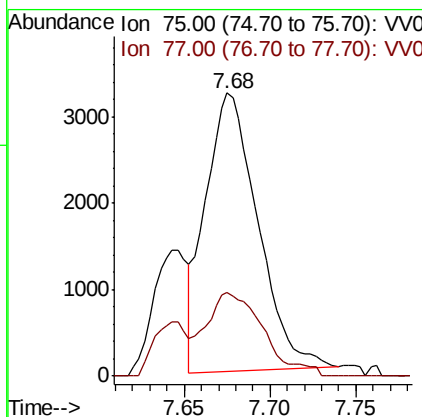
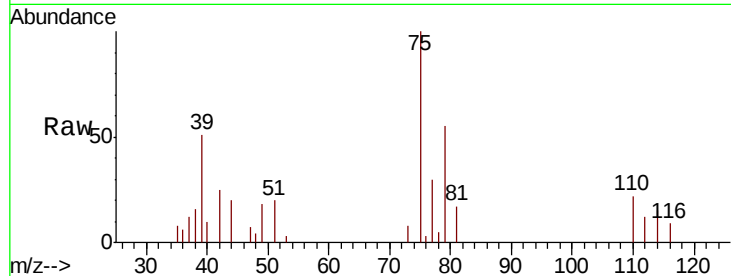




#44
trans-1,3-Dichloropropene
Concen: 2.679 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

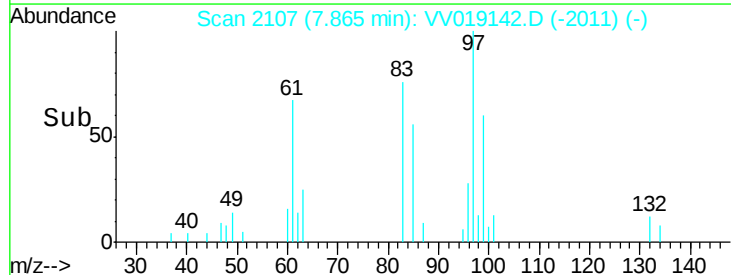
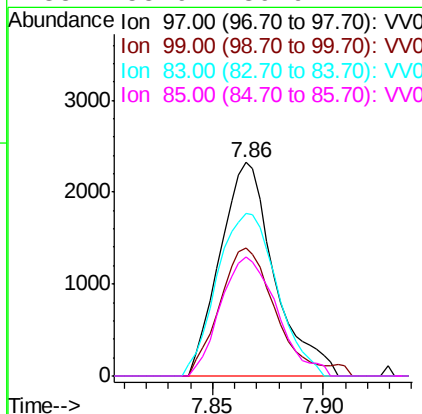
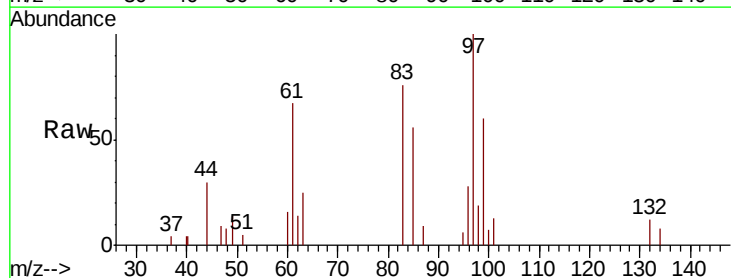
Instrument :
MSVOA_V
ClientSampleId :

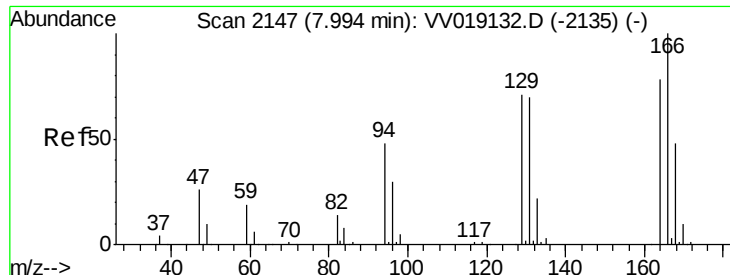
Tot Ion: 75 Resp: 6809
Ion Ratio Lower Upper
75 100
77 29.5 21.5 39.9



#45
1,1,2-Trichloroethane
Concen: 2.594 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 97 Resp: 3972
Ion Ratio Lower Upper
97 100
99 59.7 43.5 80.9
83 75.9 62.2 115.4
85 55.9 39.9 74.1

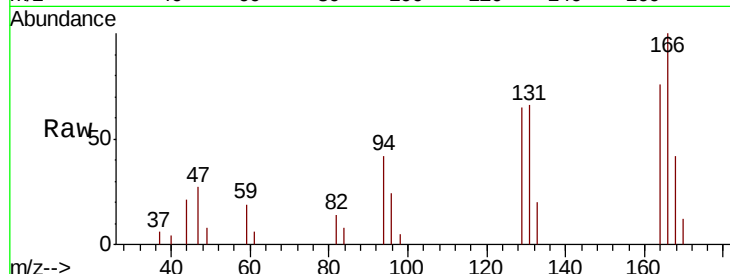




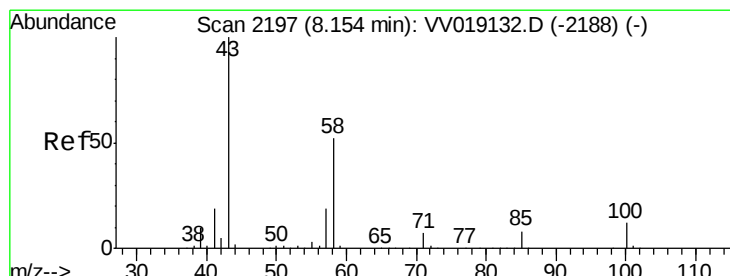
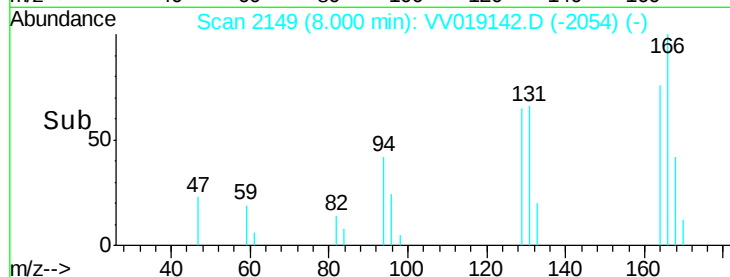
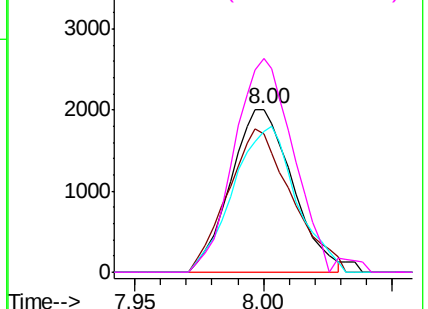
#46
Tetrachloroethene
Concen: 2.748 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3356
Ion Ratio Lower Upper
164 100
129 84.7 65.5 121.6
131 86.9 62.4 115.8
166 131.2 90.0 167.2

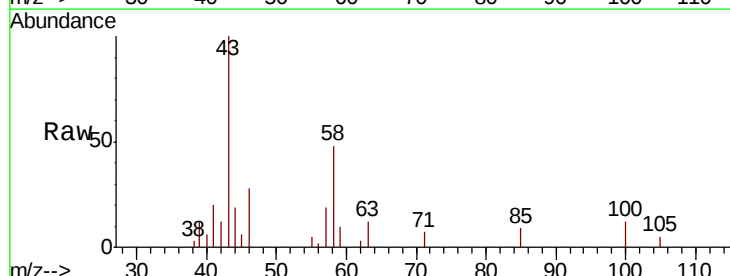


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

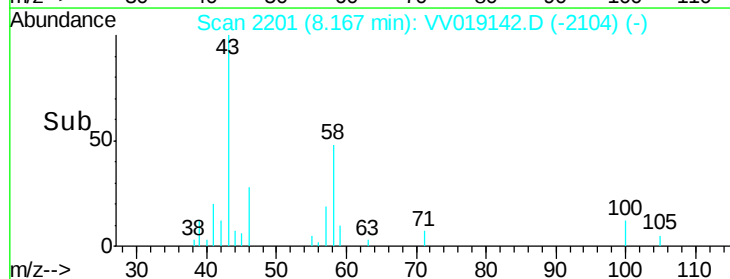
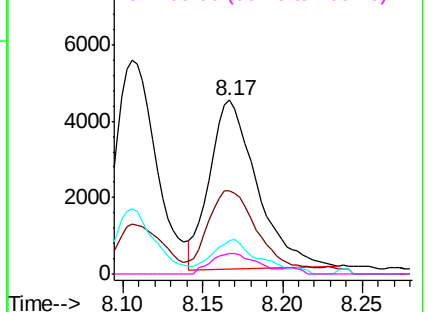


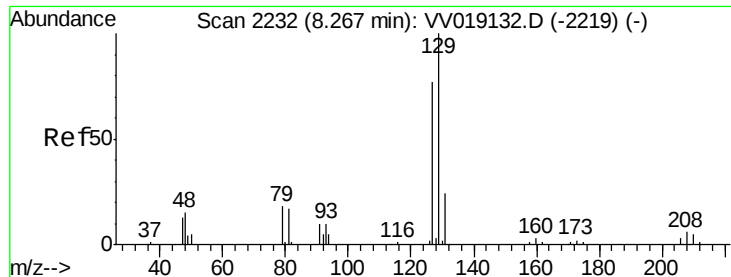
#48
2-Hexanone
Concen: 4.990 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 43 Resp: 9006
Ion Ratio Lower Upper
43 100
58 53.6 41.1 61.7
57 19.6 14.7 22.1
100 11.7 8.6 12.8



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

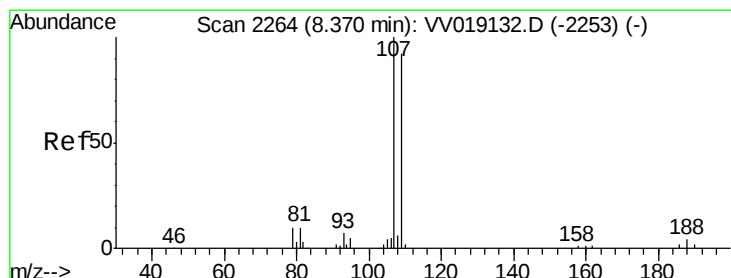
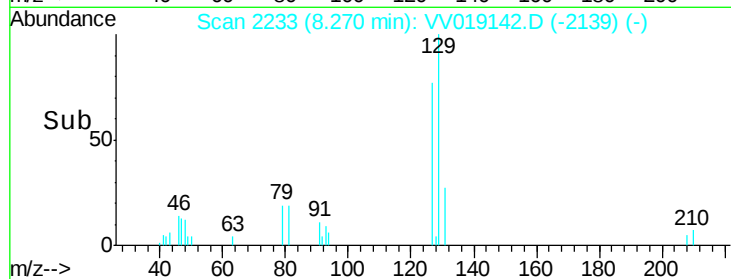
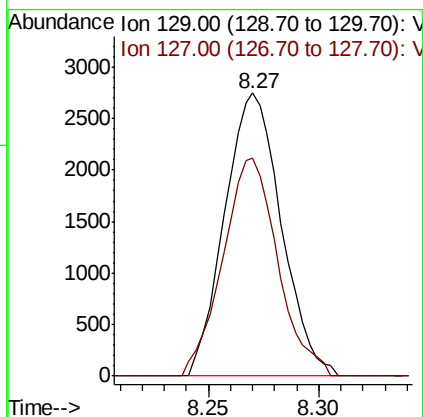
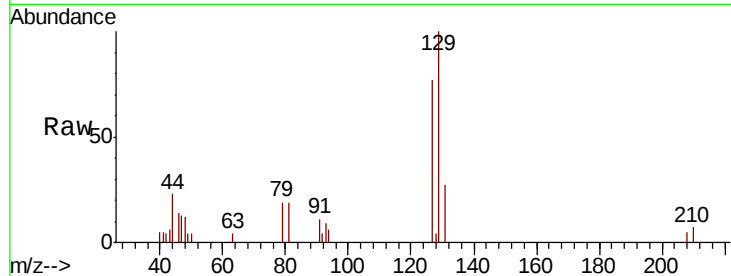




#49
 Dibromochloromethane
 Concen: 2.920 ug/L
 RT: 8.27 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

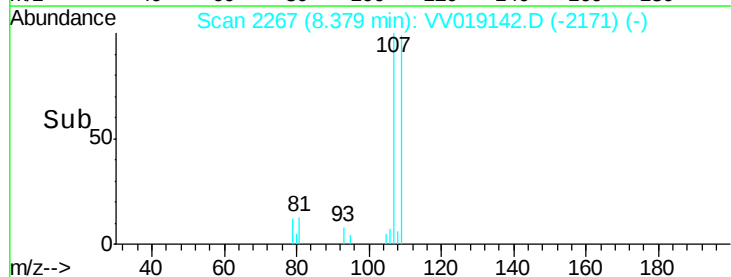
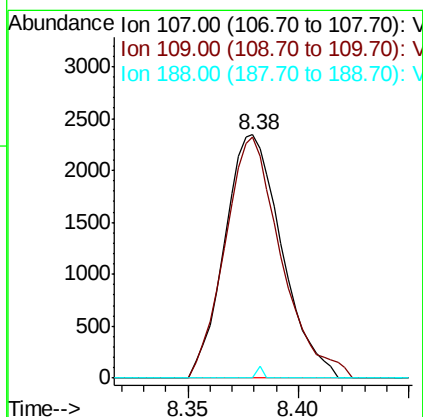
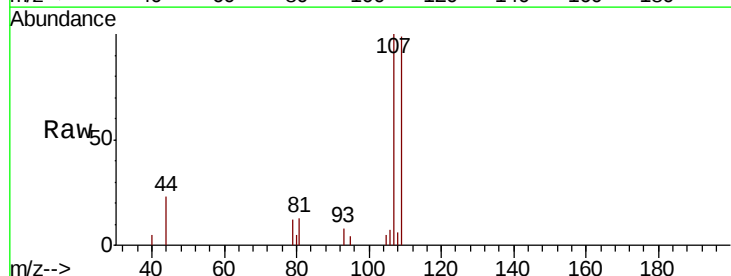
Instrument :
 MSVOA_V
 ClientSampleId :

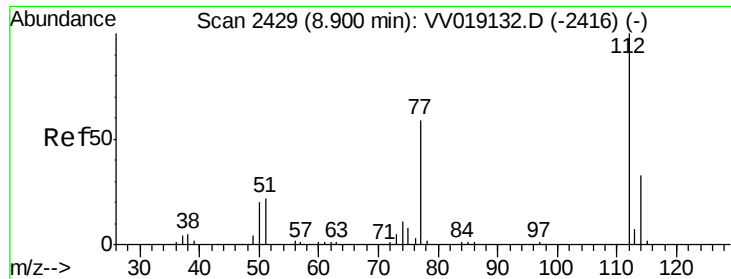
Tot Ion:129 Resp: 4886
 Ion Ratio Lower Upper
 129 100
 127 76.9 53.7 99.7



#50
 1,2-Dibromoethane
 Concen: 2.644 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Tgt Ion:107 Resp: 4201
 Ion Ratio Lower Upper
 107 100
 109 98.9 66.1 122.7
 188 0.0 3.2 4.8#

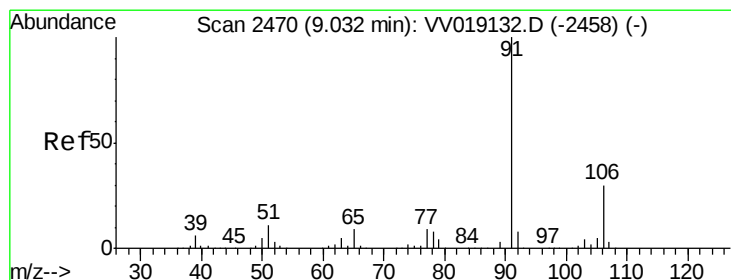
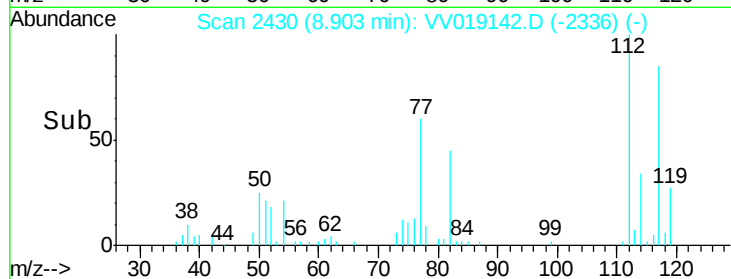
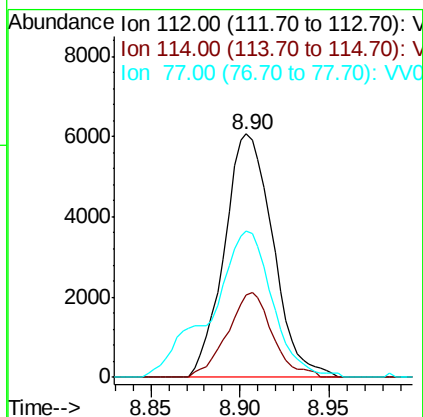
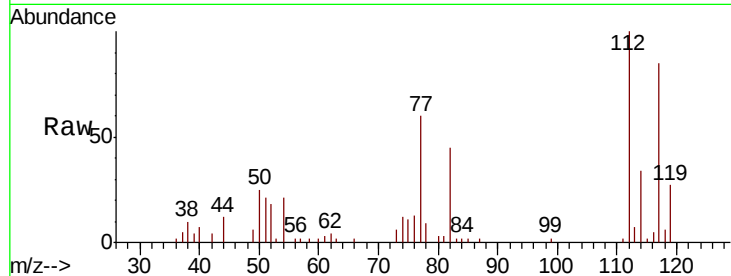




#51
Chlorobenzene
Concen: 2.770 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

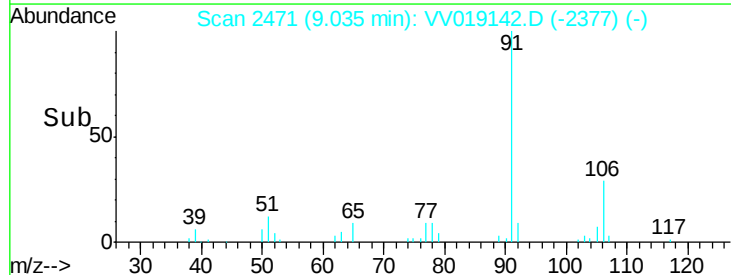
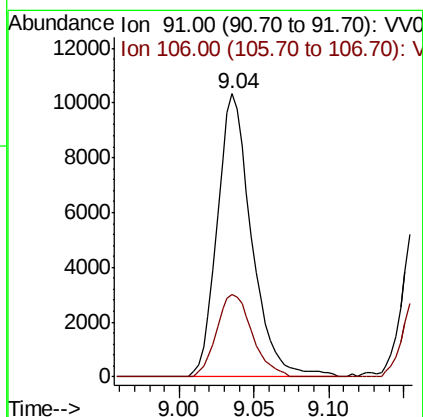
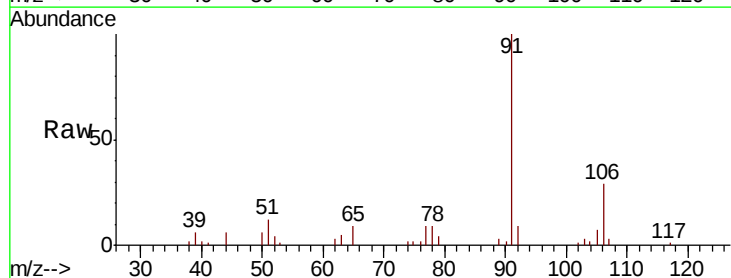
Instrument :
MSVOA_V
ClientSampleId :

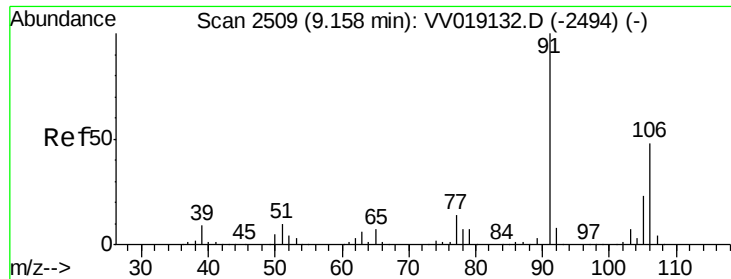
Tot Ion:112 Resp: 11483
Ion Ratio Lower Upper
112 100
114 33.8 22.2 41.2
77 60.1 49.1 73.7



#52
Ethylbenzene
Concen: 2.370 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:45

Tgt Ion: 91 Resp: 16562
Ion Ratio Lower Upper
91 100
106 29.0 20.9 38.7





#53

m,p-Xylene

Concen: 2.358 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

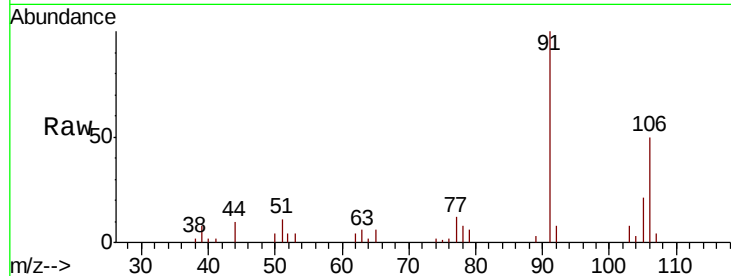
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 6032

Ion Ratio Lower Upper

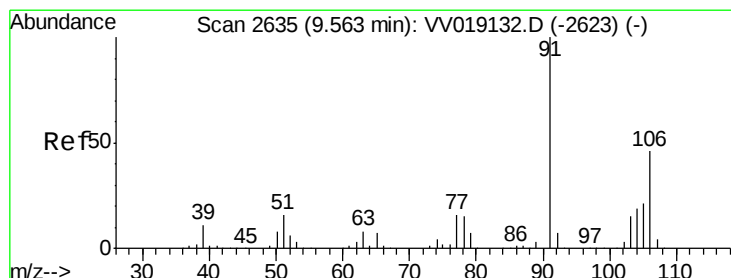
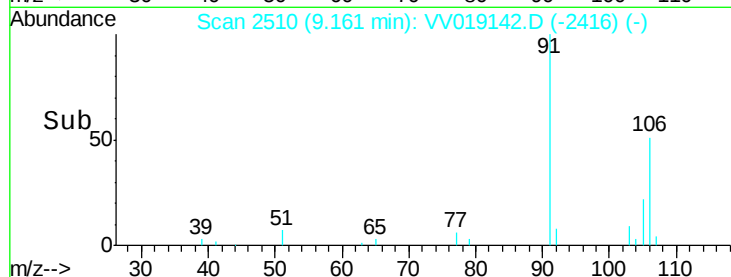
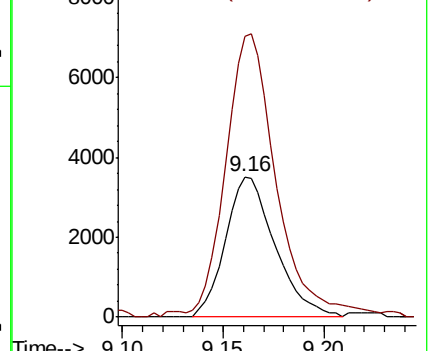
106 100

91 200.4 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.491 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019142.D

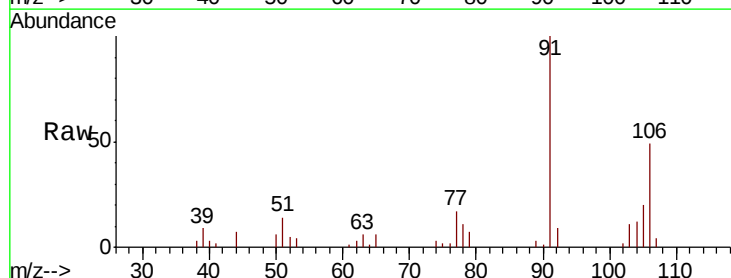
Acq: 28 Oct 2020 18:45

Tgt Ion:106 Resp: 6137

Ion Ratio Lower Upper

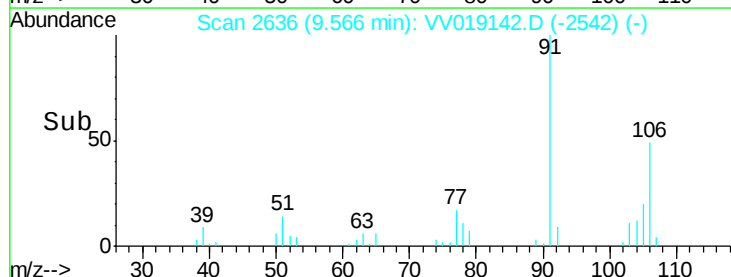
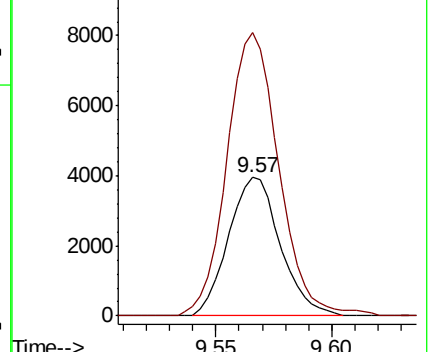
106 100

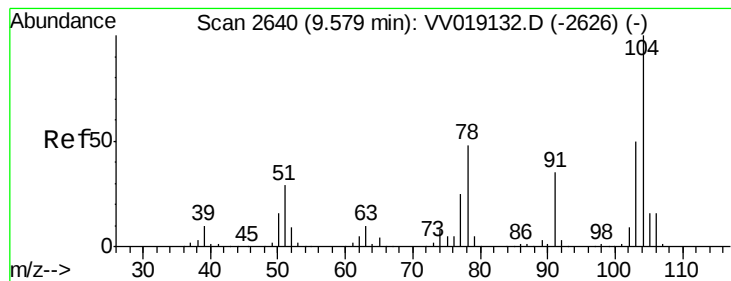
91 204.3 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 2.473 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

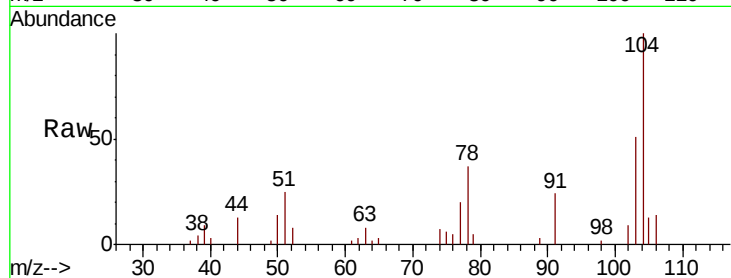
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 10807

Ion Ratio Lower Upper

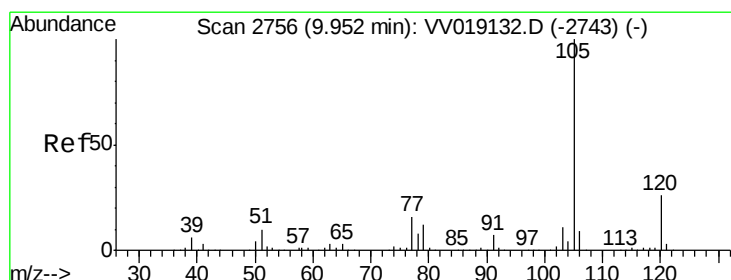
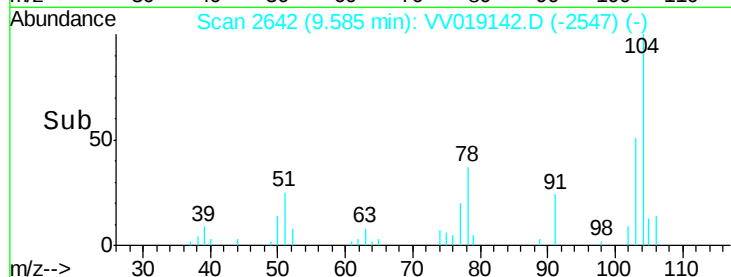
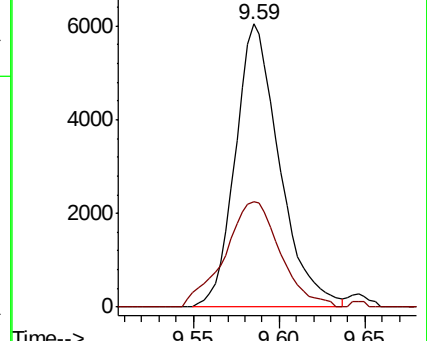
104 100

78 37.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 2.240 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

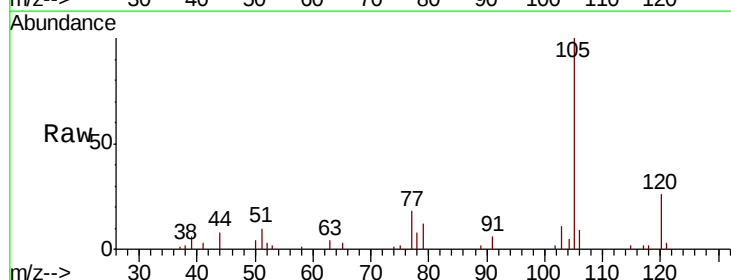
Tgt Ion:105 Resp: 14507

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

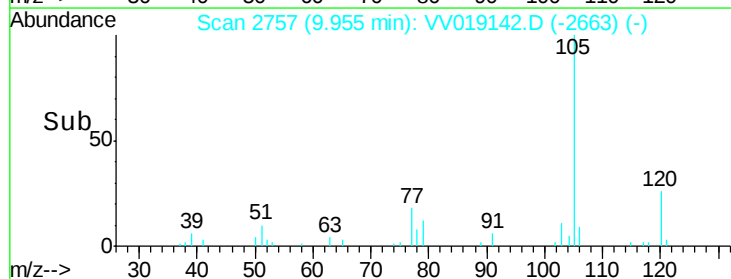
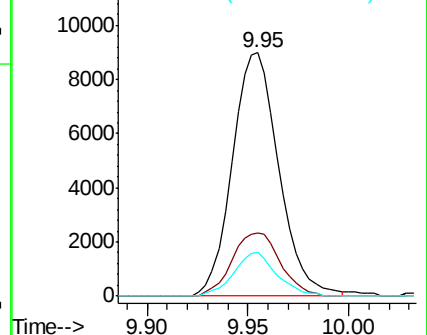
77 16.7 13.4 20.0

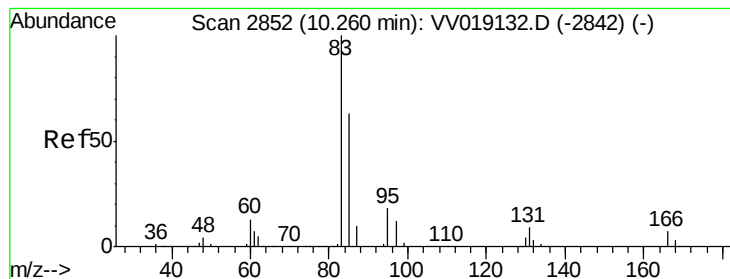


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.559 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :

MSVOA_V

ClientSampleId :

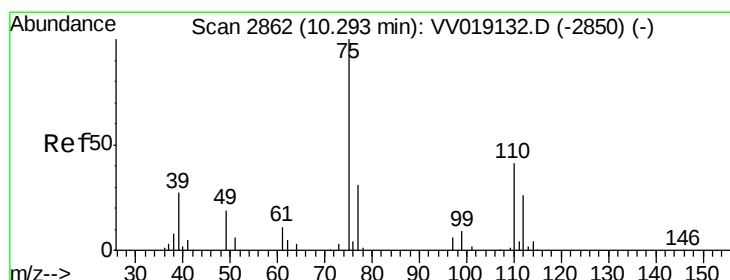
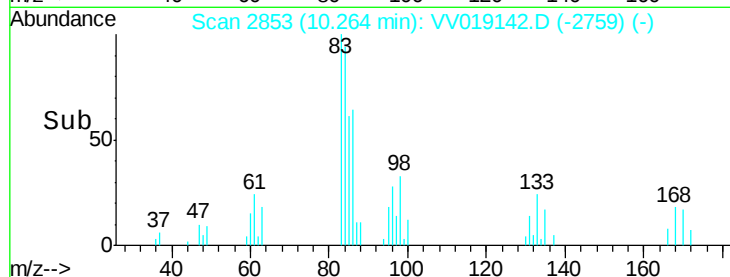
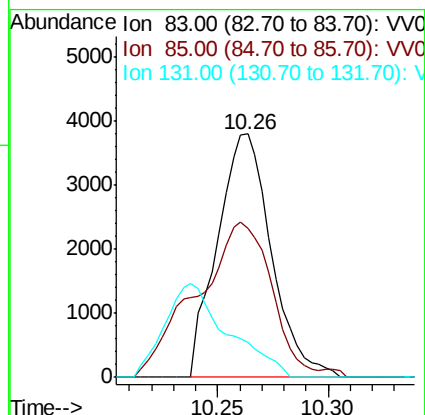
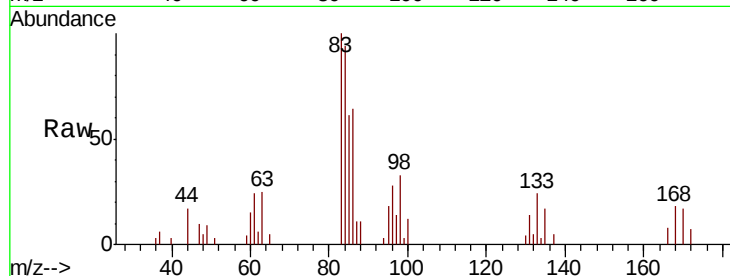
Tot Ion: 83 Resp: 6446

Ion Ratio Lower Upper

83 100

85 61.3 44.2 82.2

131 14.2 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 2.841 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019142.D

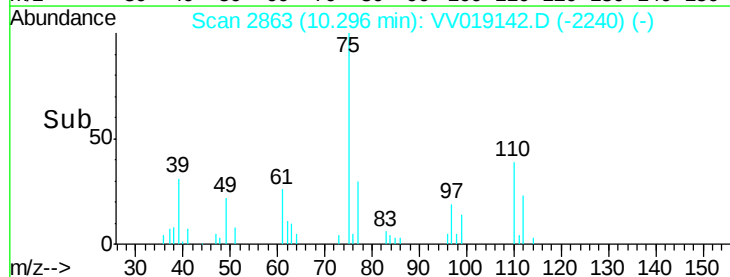
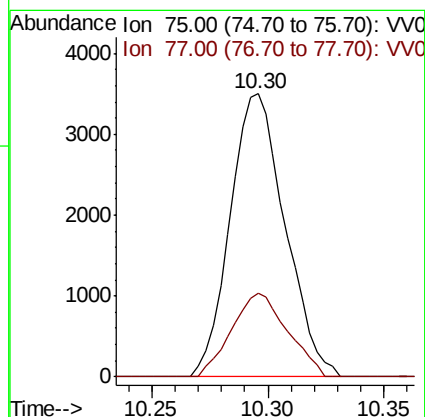
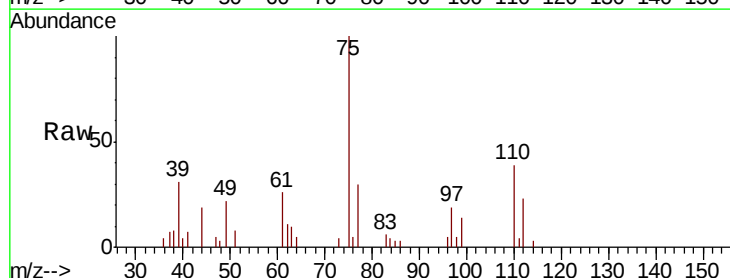
Acq: 28 Oct 2020 18:45

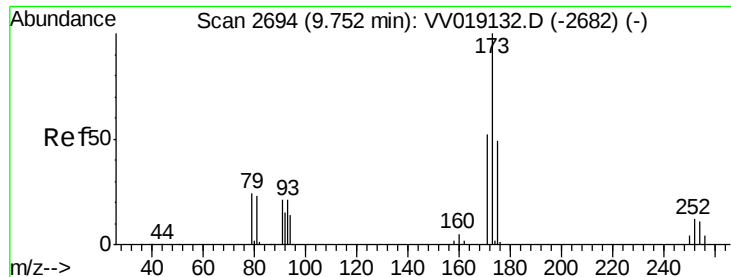
Tgt Ion: 75 Resp: 5758

Ion Ratio Lower Upper

75 100

77 30.1 25.9 38.9





#61

Bromoform

Concen: 2.765 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

Instrument :
MSVOA_V
ClientSampleId :

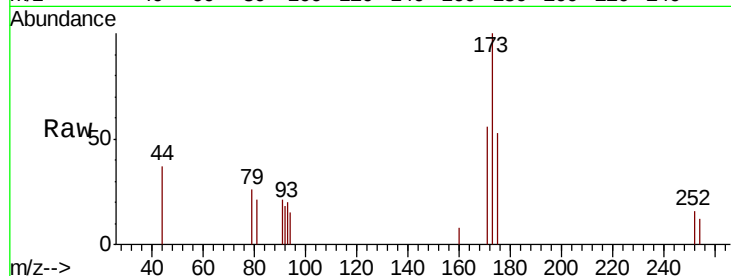
Tot Ion:173 Resp: 3245

Ion Ratio Lower Upper

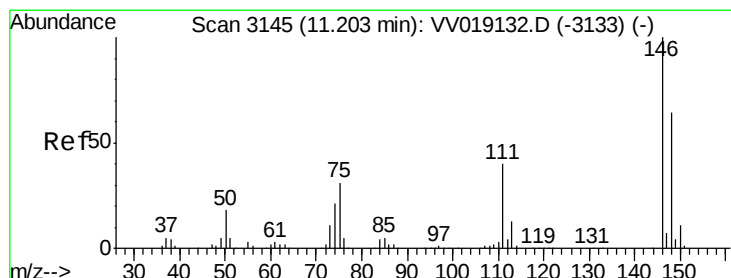
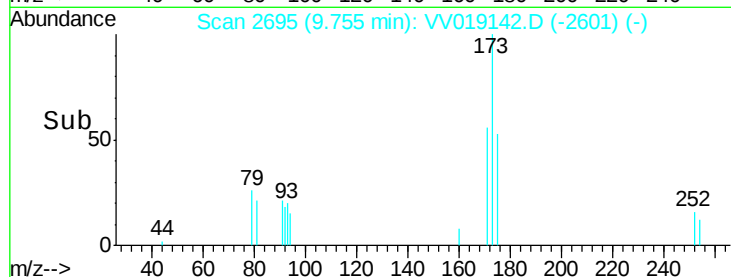
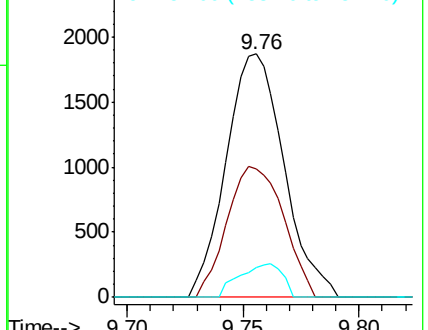
173 100

175 52.3 38.3 57.5

254 10.3 8.3 12.5



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



#62

1,3-Dichlorobenzene

Concen: 2.763 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:45

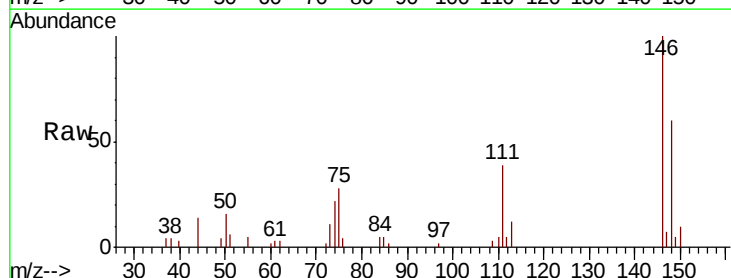
Tgt Ion:146 Resp: 8641

Ion Ratio Lower Upper

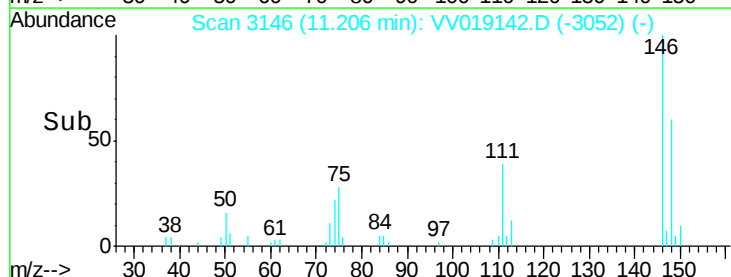
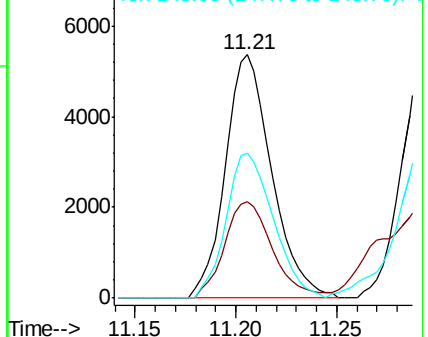
146 100

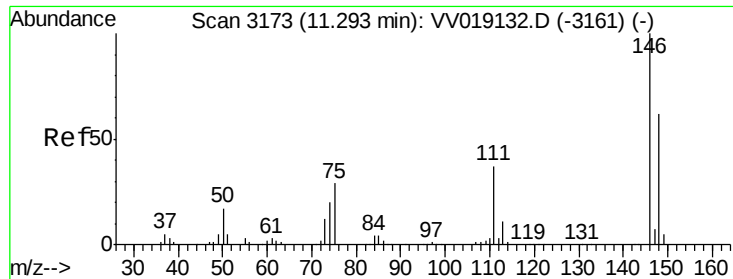
111 39.3 28.8 53.4

148 59.5 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 2.927 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019142.D

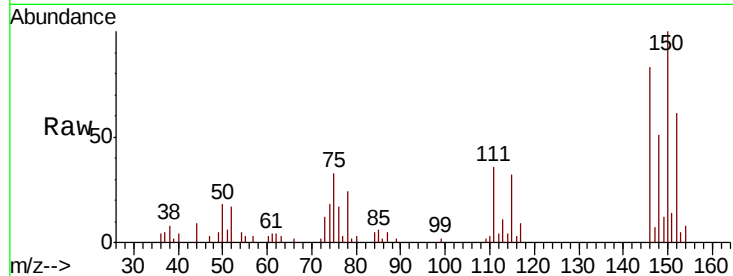
Acq: 28 Oct 2020 18:45

Instrument :

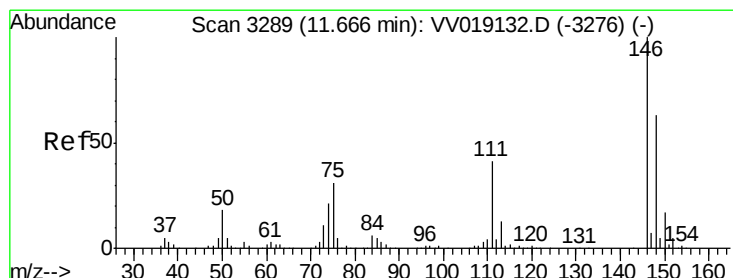
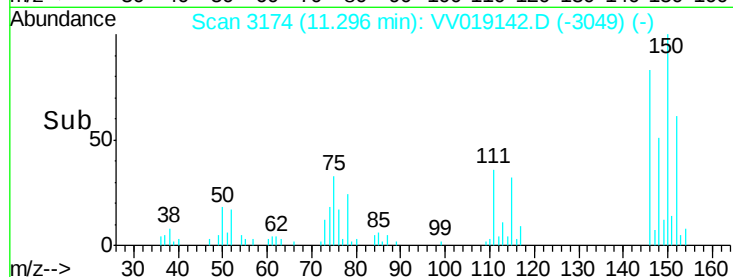
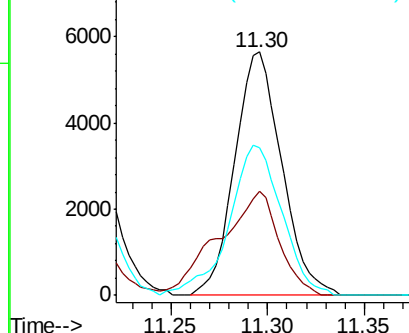
MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	9566
Ion	Ratio	Lower Upper
146	100	
111	42.8	27.8 51.6
148	60.6	45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.909 ug/L

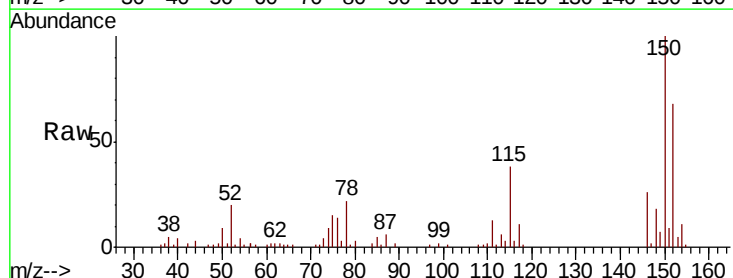
RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

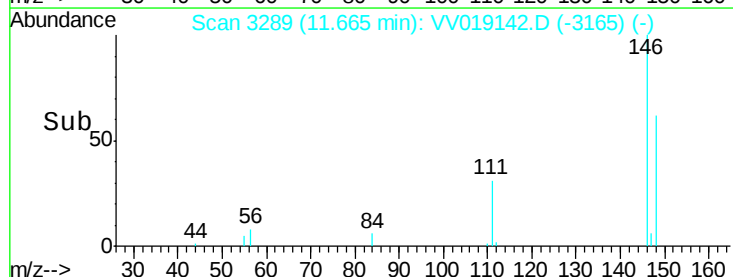
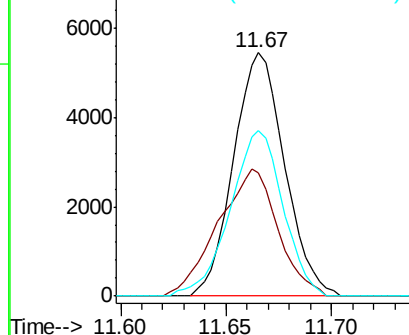
Lab File: VV019142.D

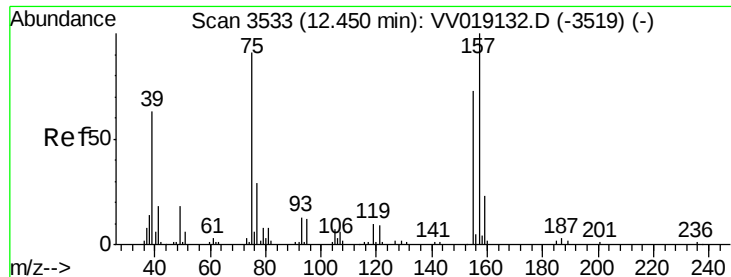
Acq: 28 Oct 2020 18:45

Tgt Ion:146	Resp:	9174
Ion	Ratio	Lower Upper
146	100	
111	50.4	33.3 49.9#
148	68.2	51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

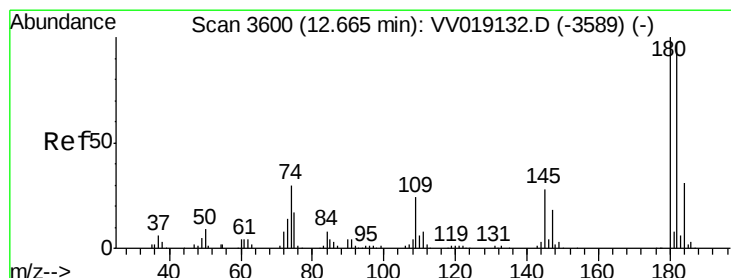
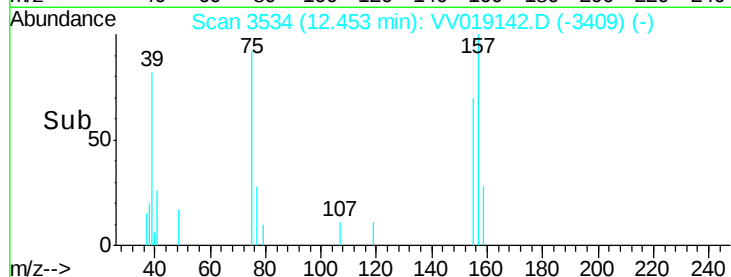
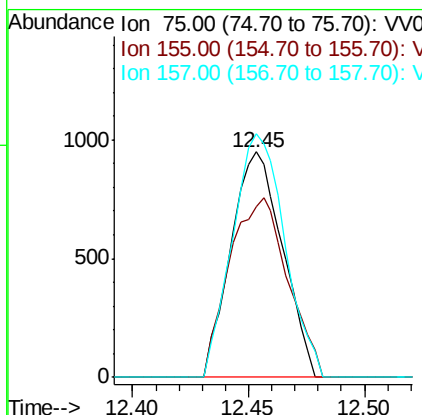
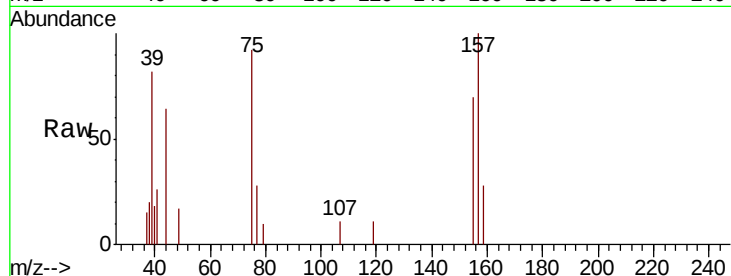




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.621 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

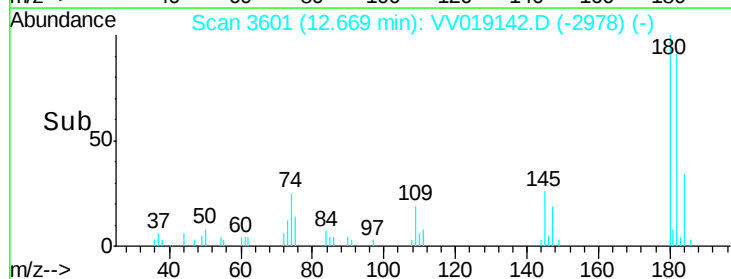
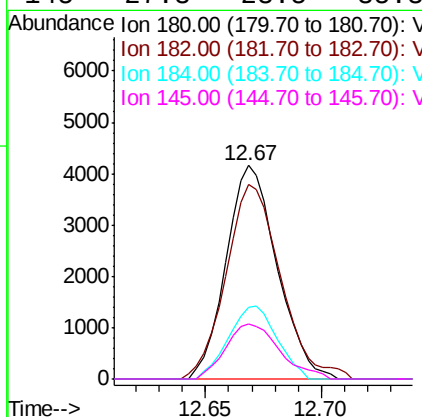
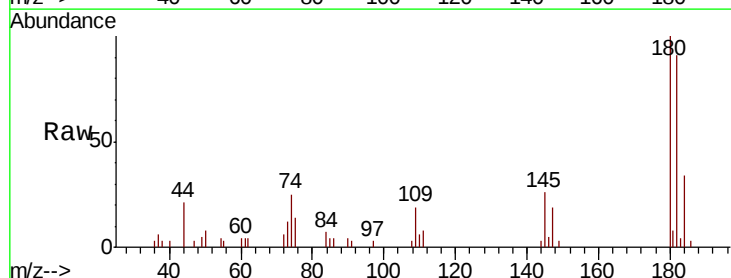
Instrument :
 MSVOA_V
 ClientSampleId :

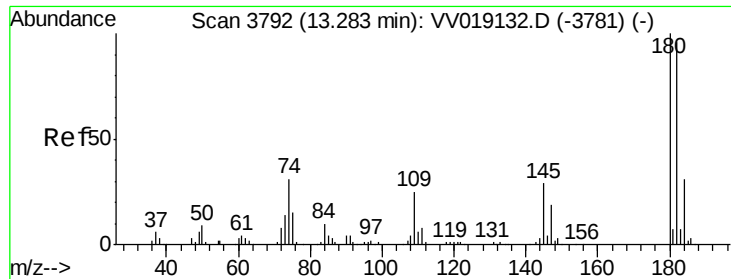
Tot Ion: 75 Resp: 1460
 Ion Ratio Lower Upper
 75 100
 155 75.5 62.2 93.4
 157 108.1 79.9 119.9



#67
 1,3,5-Trichlorobenzene
 Concen: 2.965 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Tgt Ion: 180 Resp: 6333
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.4 116.0
 184 32.5 24.7 37.1
 145 27.3 23.5 35.3

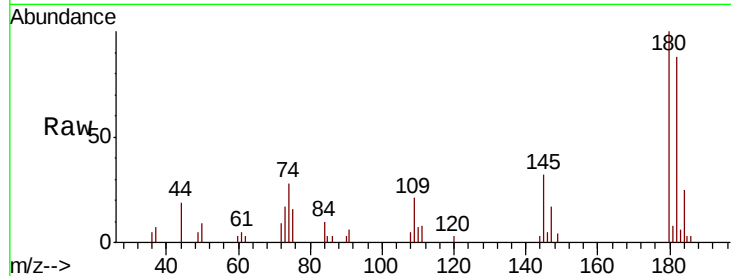




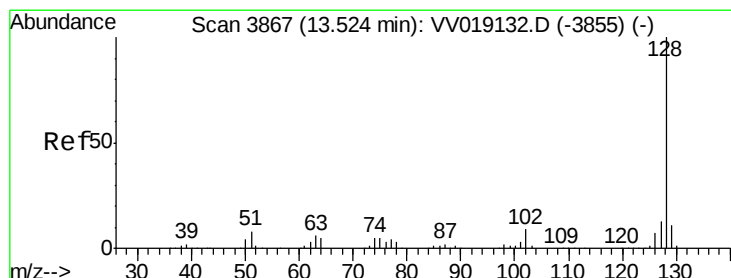
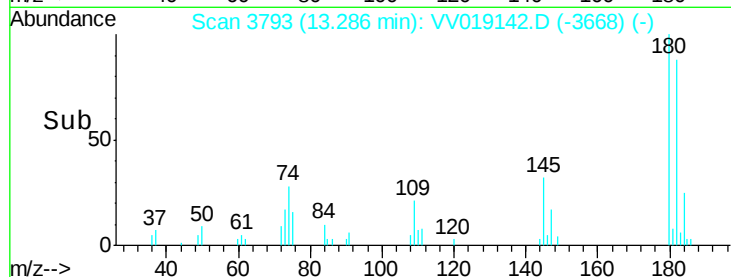
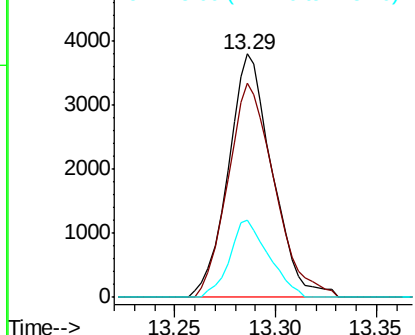
#68
 1,2,4-trichlorobenzene
 Concen: 2.874 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5787
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.4 116.2
 145 28.2 23.7 35.5

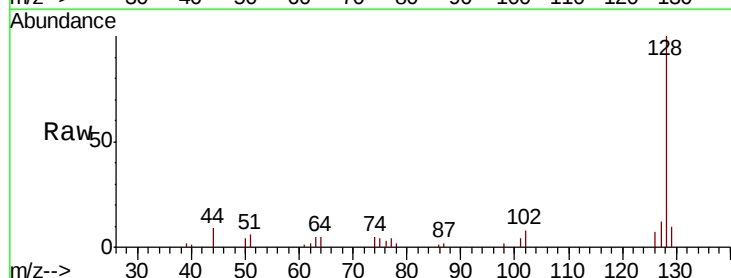


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

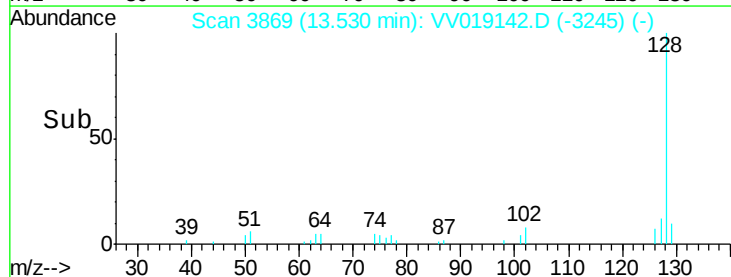
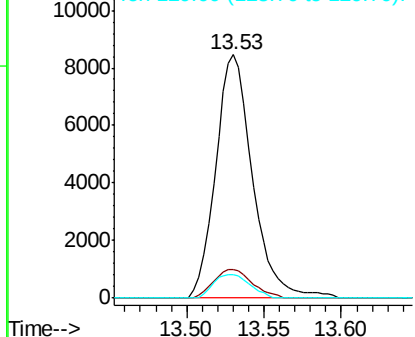


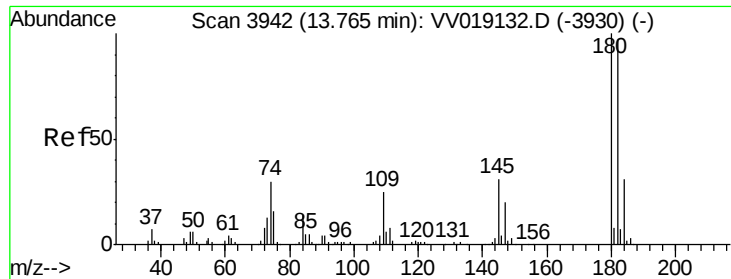
#69
 Naphthalene
 Concen: 2.254 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Tgt Ion:128 Resp: 13989
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.6 15.8
 129 9.6 8.7 13.1



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

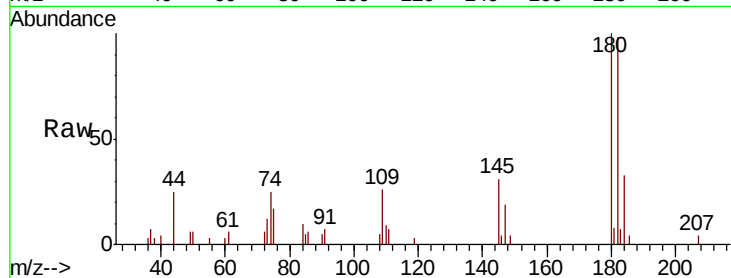




#70
 1,2,3-Trichlorobenzene
 Concen: 2.648 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.9	115.3
145	32.4	25.6	38.4



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

