

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019157.D
 Acq On : 29 Oct 2020 20:00
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	232938	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	226897	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	115554	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87818	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.88%
7) Chloroethane-d5	1.58	69	70258	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.72%
11) 1,1-Dichloroethene-d2	2.12	63	131349	37.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.60%
21) 2-Butanone-d5	3.91	46	117972	104.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.05%
24) Chloroform-d	4.38	84	166983	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
26) 1,2-Dichloroethane-d4	5.05	65	121705	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.07	84	320147	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.09	67	97205	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.30%
41) Toluene-d8	7.34	98	297917	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%
43) trans-1,3-Dichloropropene-	7.64	79	52606	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.11	63	84043	101.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	125882	48.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	125051	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4593	2.246 ug/L	100
3) Chloromethane	1.25	50	4831	2.601 ug/L	98
5) Vinyl chloride	1.32	62	4980	2.619 ug/L #	60
6) Bromomethane	1.53	94	2992	2.349 ug/L	94
8) Chloroethane	1.60	64	3305	2.795 ug/L	87
9) Trichlorofluoromethane	1.77	101	7390	2.332 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4163	2.729 ug/L	85
12) 1,1-Dichloroethene	2.13	96	4490	3.006 ug/L #	1
13) Acetone	2.20	43	4792	4.549 ug/L	65
14) Carbon disulfide	2.31	76	11548	2.432 ug/L	96
15) Methyl Acetate	2.46	43	4134	2.435 ug/L #	86
16) Methylene chloride	2.53	84	4630	2.730 ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	3835	2.390 ug/L	95
18) Methyl tert-butyl Ether	2.79	73	11787	2.194 ug/L #	89
19) 1,1-Dichloroethane	3.22	63	7316	2.448 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4061	2.306 ug/L	95
22) 2-Butanone	4.03	43	2830	2.467 ug/L	93

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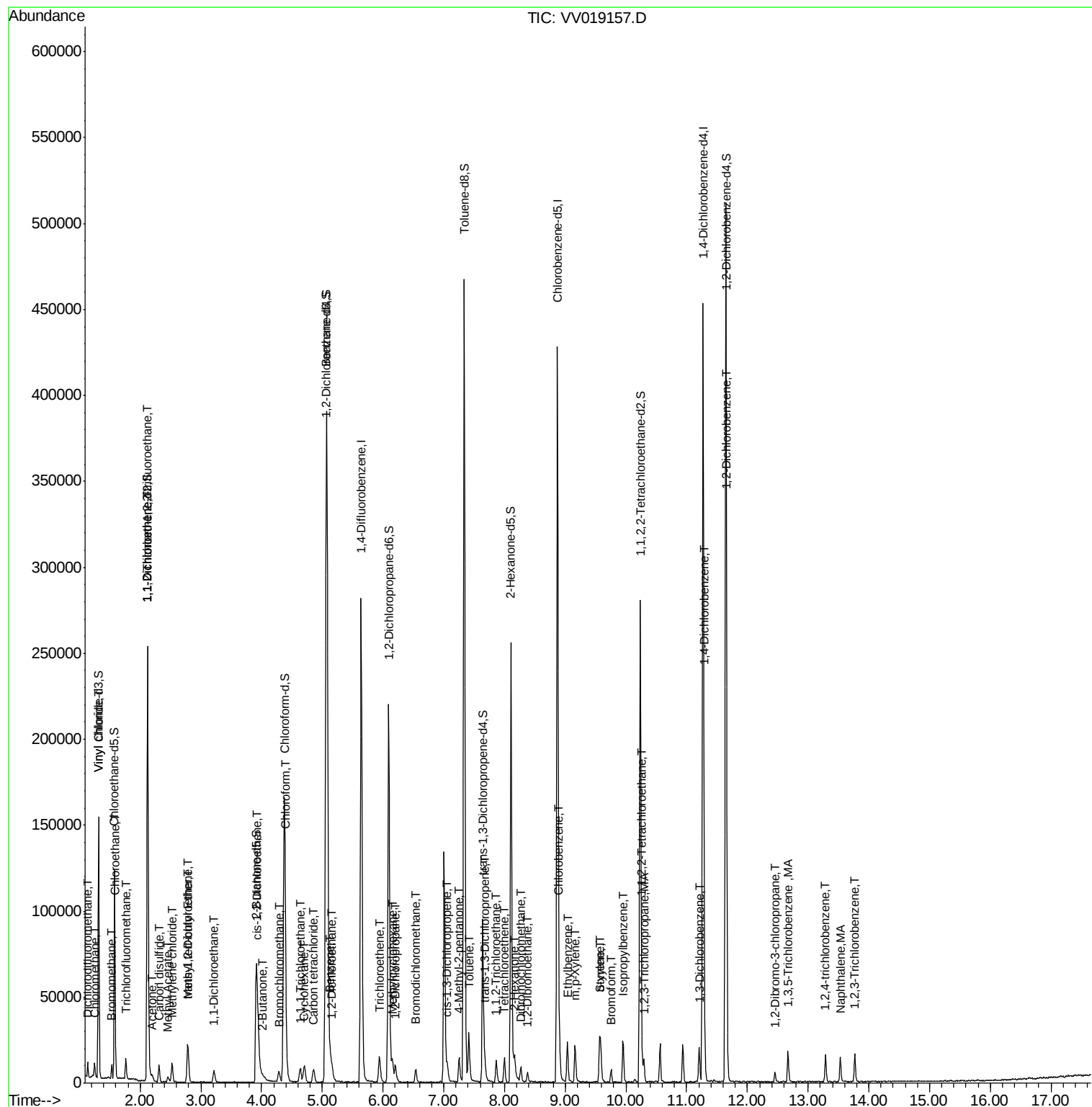
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2155	2.281	uq/L	93
25) Chloroform	4.40	83	9124	2.825	uq/L	98
27) 1,2-Dichloroethane	5.17	62	6657	2.421	uq/L	100
29) Cyclohexane	4.71	56	5126	2.024	uq/L	95
30) 1,1,1-Trichloroethane	4.64	97	6940	2.257	uq/L	97
31) Carbon tetrachloride	4.86	117	5745	2.107	uq/L	92
33) Benzene	5.13	78	14669	2.242	uq/L	100
34) Trichloroethene	5.95	95	3917	2.186	uq/L	91
35) Methylcyclohexane	6.15	83	4572	1.890	uq/L	94
37) 1,2-Dichloropropane	6.20	63	3863	2.378	uq/L #	94
38) Bromodichloromethane	6.54	83	5735	2.373	uq/L #	98
39) cis-1,3-Dichloropropene	7.05	75	6425	2.394	uq/L	96
40) 4-Methyl-2-pentanone	7.25	43	9717	4.336	uq/L	99
42) Toluene	7.41	91	21262	2.965	uq/L	94
44) trans-1,3-Dichloropropene	7.68	75	6269	2.246	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	3863	2.371	uq/L	99
46) Tetrachloroethene	8.00	164	3361	2.196	uq/L	96
48) 2-Hexanone	8.16	43	9884	5.548	uq/L #	87
49) Dibromochloromethane	8.27	129	4198	2.128	uq/L	96
50) 1,2-Dibromoethane	8.38	107	3893	2.239	uq/L #	91
51) Chlorobenzene	8.90	112	10703	2.276	uq/L	97
52) Ethylbenzene	9.04	91	16622	2.103	uq/L	97
53) m,p-Xylene	9.16	106	6366	2.133	uq/L	87
54) o-xylene	9.57	106	5684	1.983	uq/L	100
55) Styrene	9.59	104	9961	1.961	uq/L	98
56) Isopropylbenzene	9.95	105	14831	1.926	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5992	2.415	uq/L	99
59) 1,2,3-Trichloropropane	10.30	75	4968	2.339	uq/L	99
61) Bromoform	9.76	173	3698	2.594	uq/L #	92
62) 1,3-Dichlorobenzene	11.21	146	8316	2.282	uq/L	96
63) 1,4-Dichlorobenzene	11.29	146	9073	2.395	uq/L	95
65) 1,2-Dichlorobenzene	11.67	146	9226	2.555	uq/L	92
66) 1,2-Dibromo-3-chloropropan	12.45	75	1426	2.308	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	6148	2.291	uq/L	96
68) 1,2,4-trichlorobenzene	13.29	180	5241	2.085	uq/L	96
69) Naphthalene	13.53	128	12914	1.834	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5441	2.212	uq/L	96

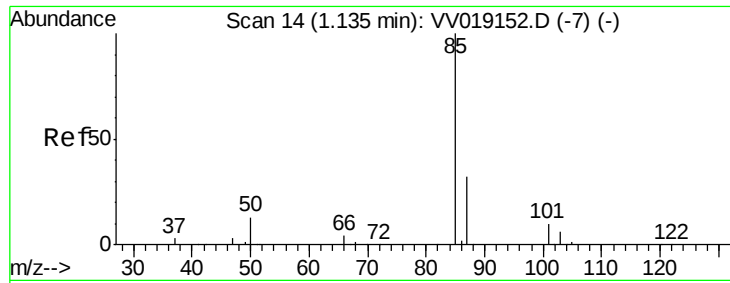
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.246 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

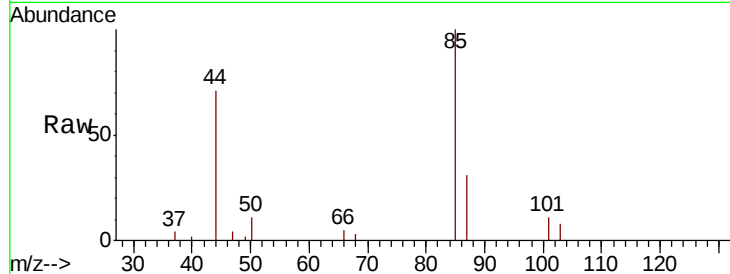
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85.00 Resp: 4593

Ion Ratio Lower Upper

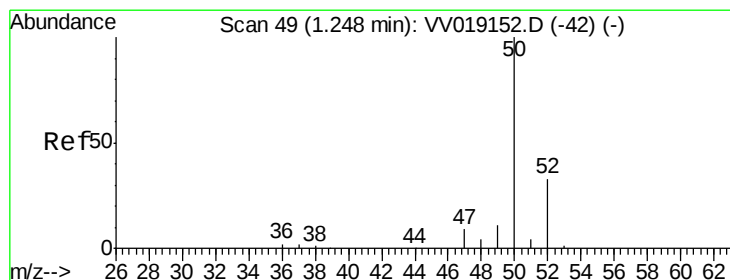
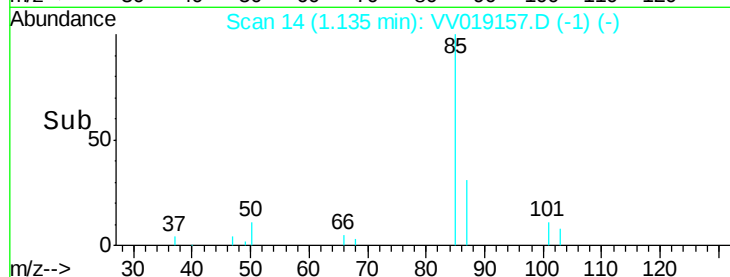
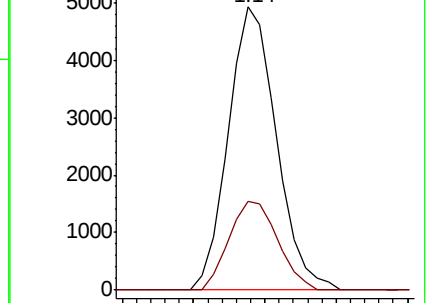
85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019157.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019157.D (-1) (-)



#3

Chloromethane

Concen: 2.601 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019157.D

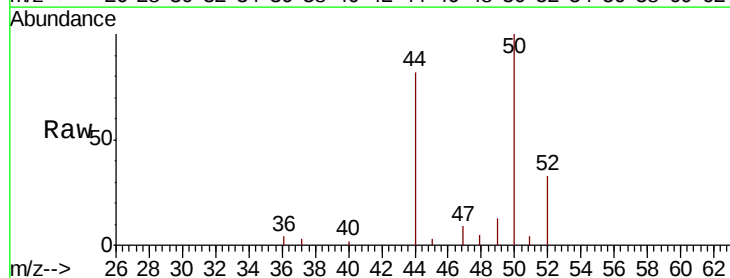
Acq: 29 Oct 2020 20:00

Tgt Ion: 50 Resp: 4831

Ion Ratio Lower Upper

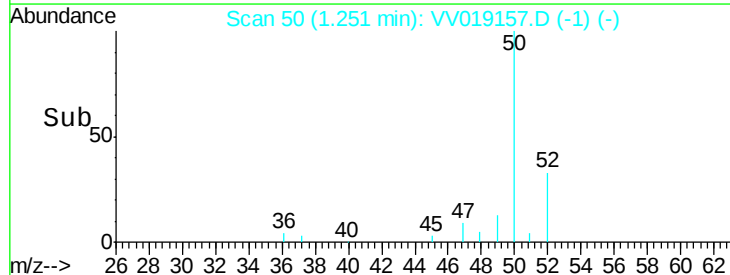
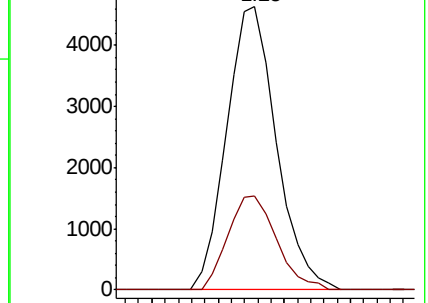
50 100

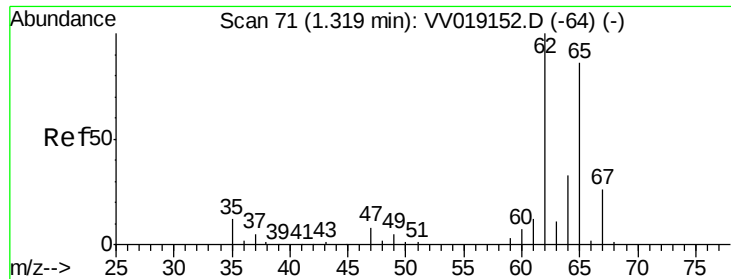
52 33.0 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019157.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019157.D (-1) (-)





#5

Vinyl chloride

Concen: 2.619 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

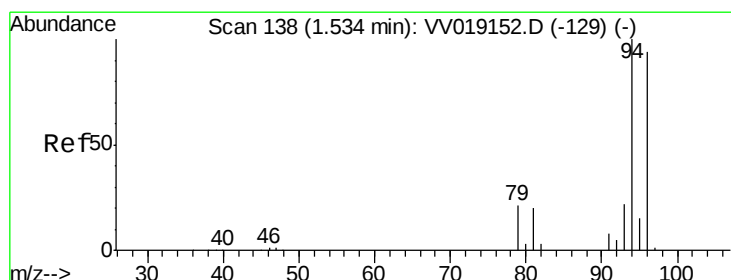
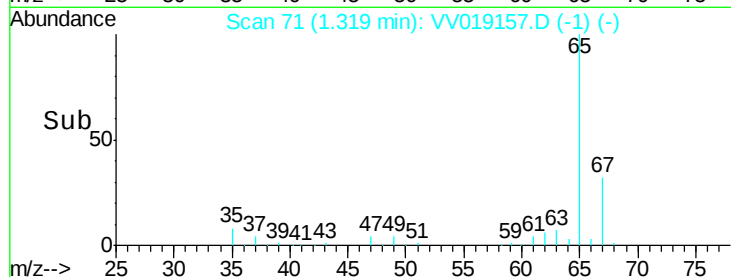
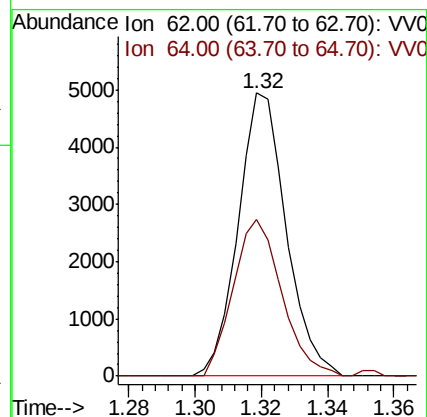
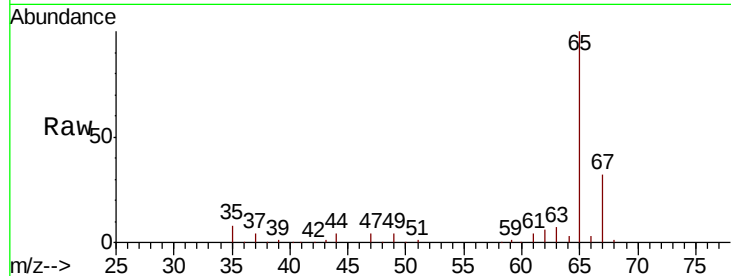
ClientSampled :

Tot Ion: 62 Resp: 4980

Ion Ratio Lower Upper

62 100

64 55.1 22.7 42.3#



#6

Bromomethane

Concen: 2.349 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019157.D

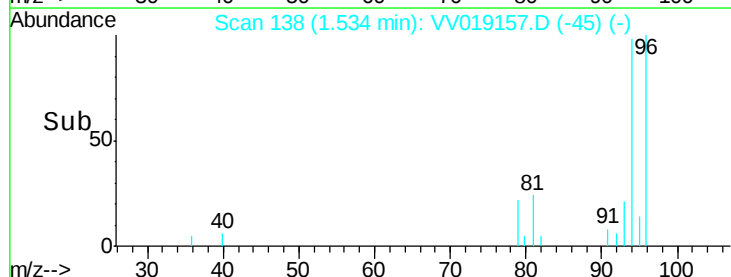
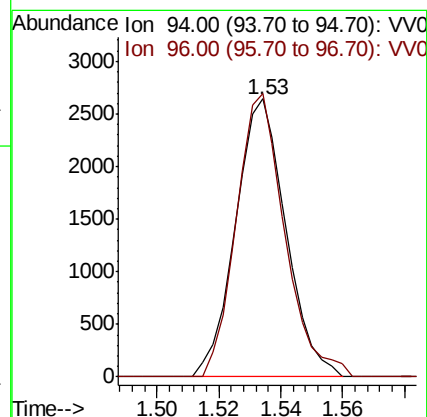
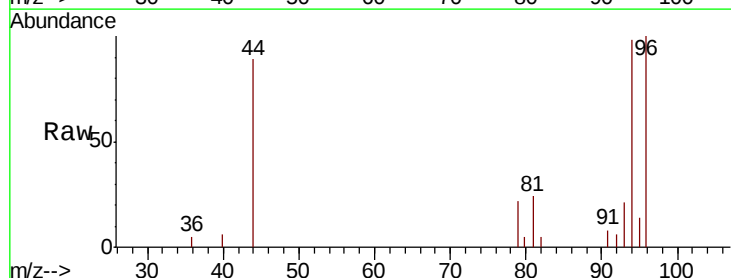
Acq: 29 Oct 2020 20:00

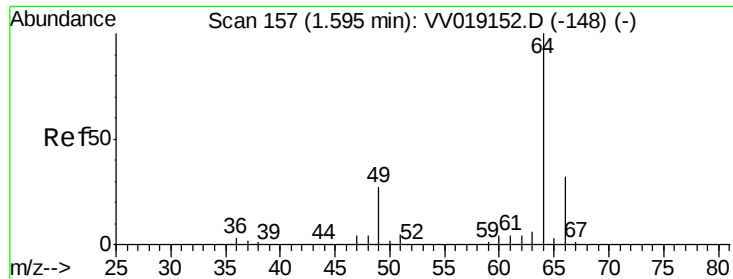
Tgt Ion: 94 Resp: 2992

Ion Ratio Lower Upper

94 100

96 101.9 67.0 124.4





#8

Chloroethane

Concen: 2.795 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

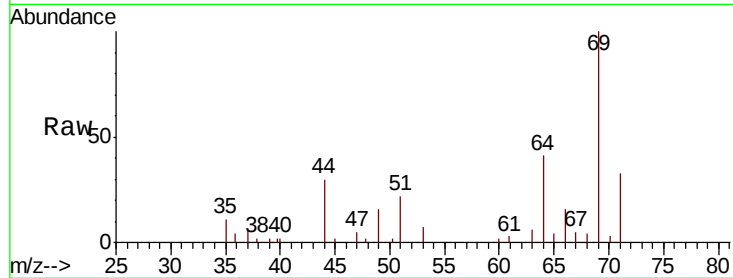
ClientSampleId :

Tot Ion: 64 Resp: 3305

Ion Ratio Lower Upper

64 100

66 38.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

2500

2000

1500

1000

500

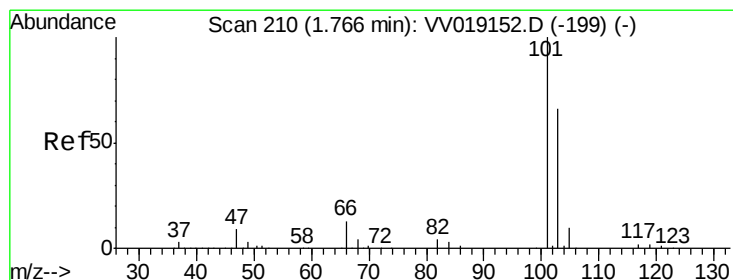
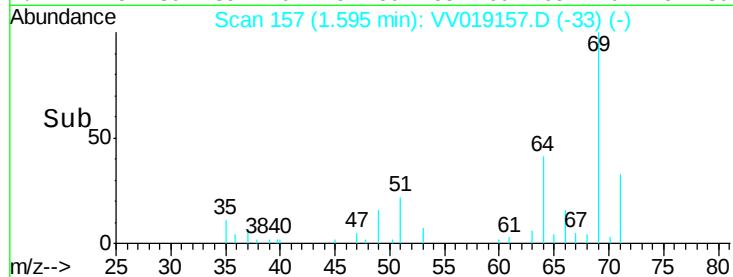
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 2.332 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019157.D

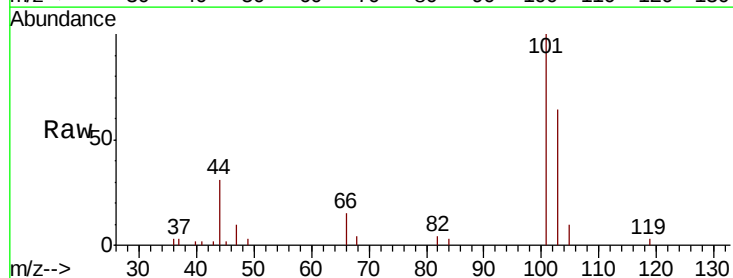
Acq: 29 Oct 2020 20:00

Tgt Ion: 101 Resp: 7390

Ion Ratio Lower Upper

101 100

103 61.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

6000

5000

4000

3000

2000

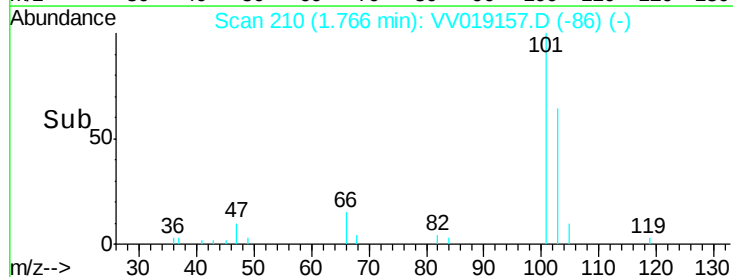
1000

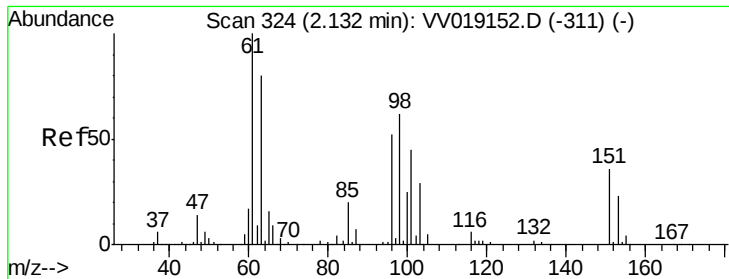
0

Time-->

1.75

1.80





#10

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

Concen: 2.729 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

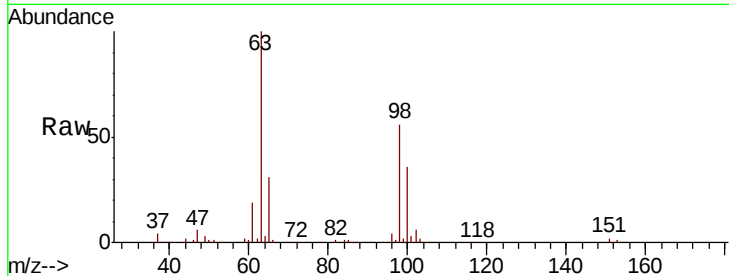
Tot Ion:101 Resp: 4163

Ion Ratio Lower Upper

101 100

85 38.5 36.1 54.1

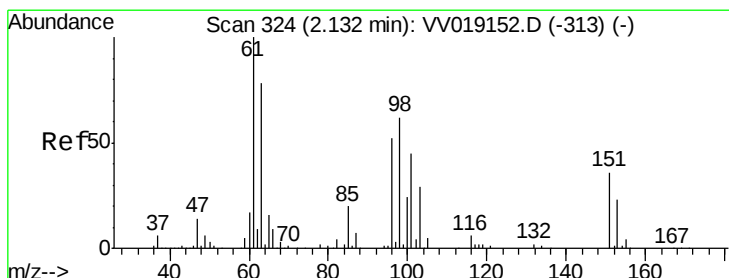
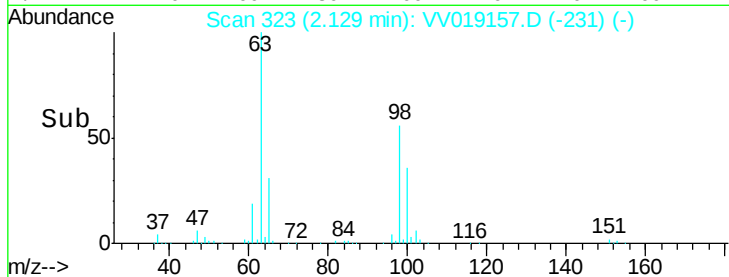
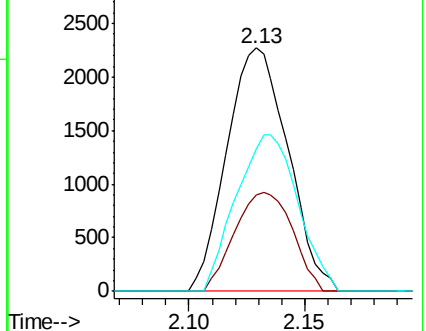
151 65.0 65.0 97.4



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: 3.006 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

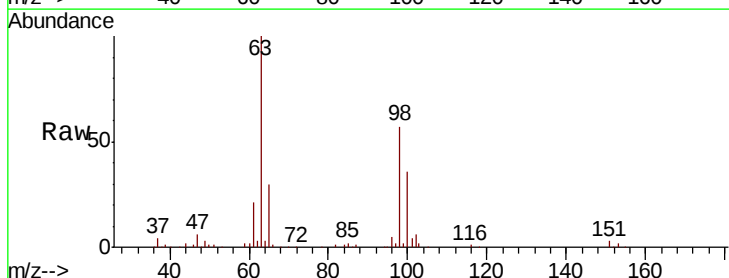
Tgt Ion: 96 Resp: 4490

Ion Ratio Lower Upper

96 100

61 404.6 132.6 246.2#

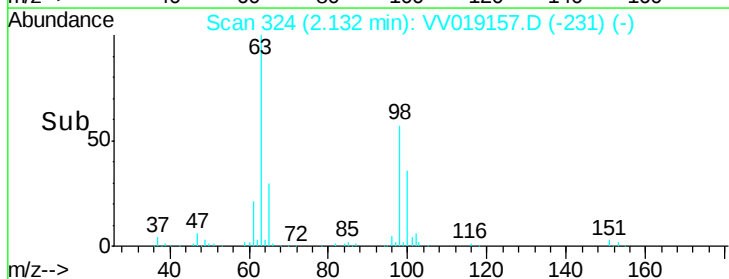
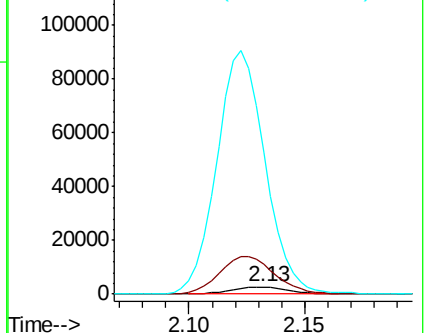
63 1952.1 108.4 201.4#

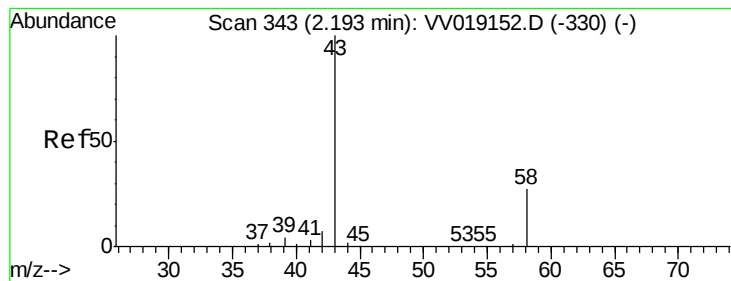


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.549 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

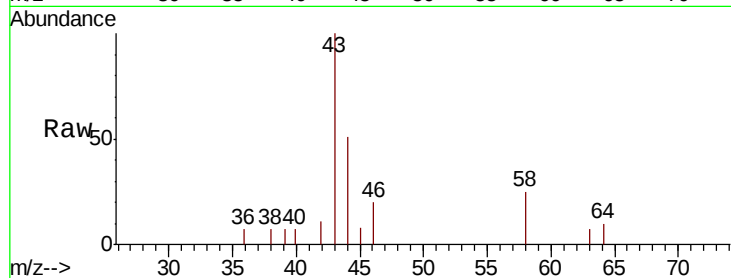
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4792

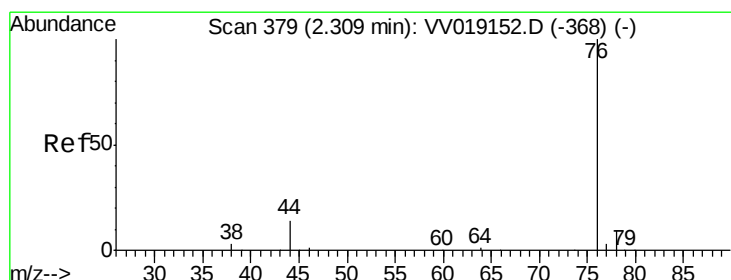
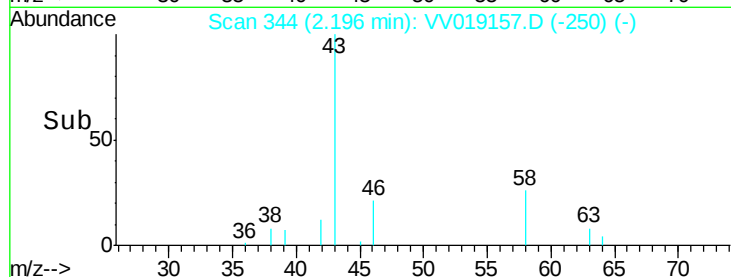
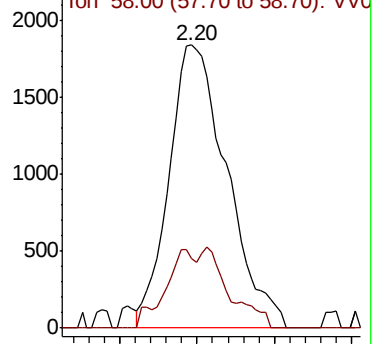
Ion Ratio Lower Upper

43 100

58 11.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019157.D (-250) (-)



#14

Carbon disulfide

Concen: 2.432 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019157.D

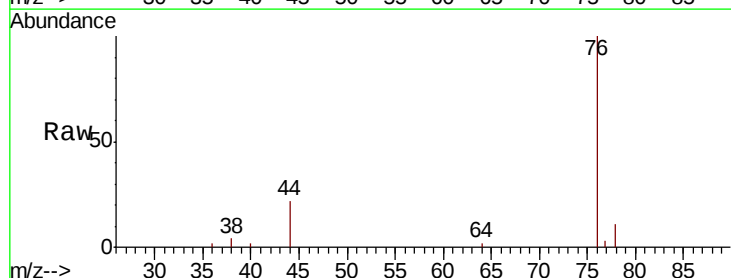
Acq: 29 Oct 2020 20:00

Tgt Ion: 76 Resp: 11548

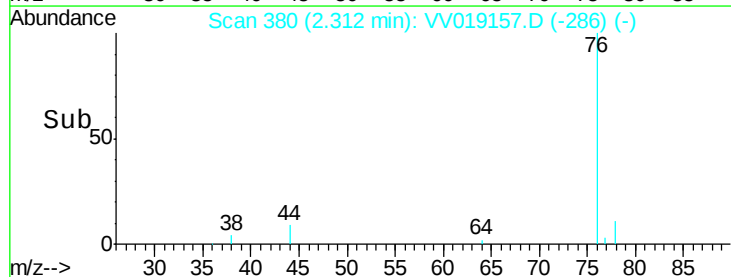
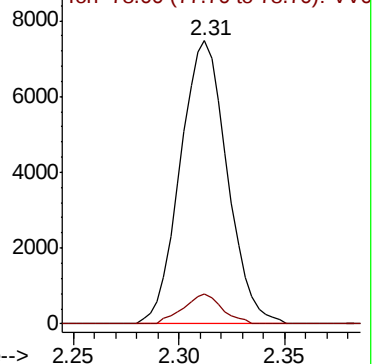
Ion Ratio Lower Upper

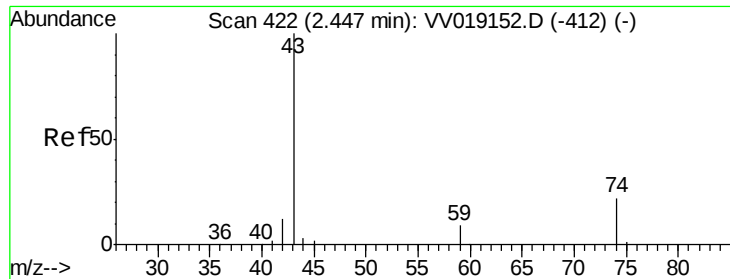
76 100

78 10.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019157.D (-286) (-)

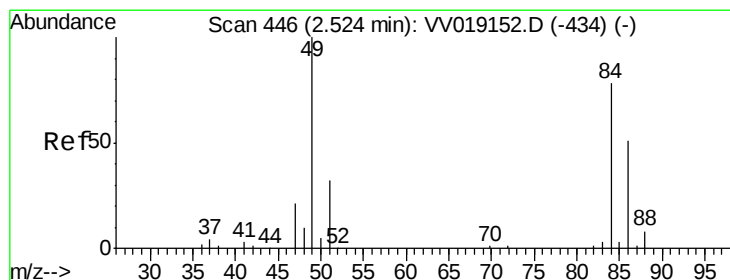
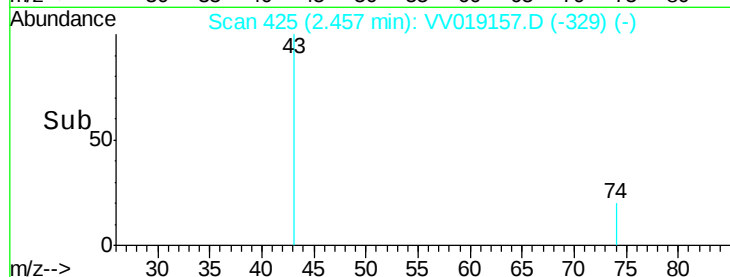
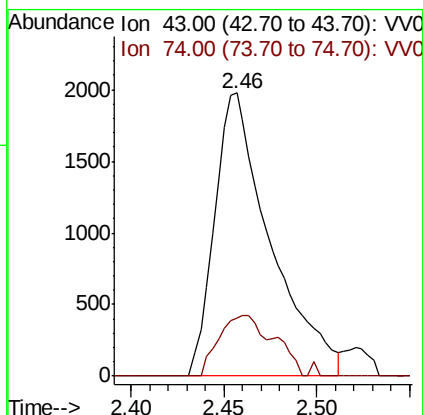
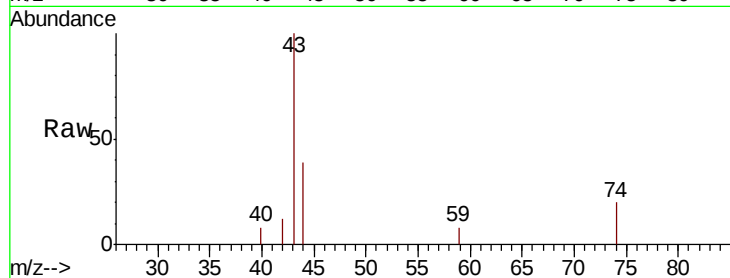




#15
Methvl Acetate
Concen: 2.435 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

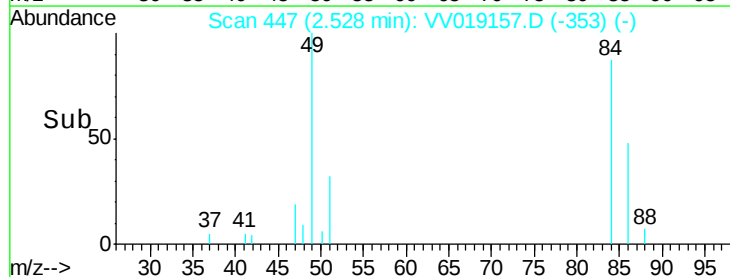
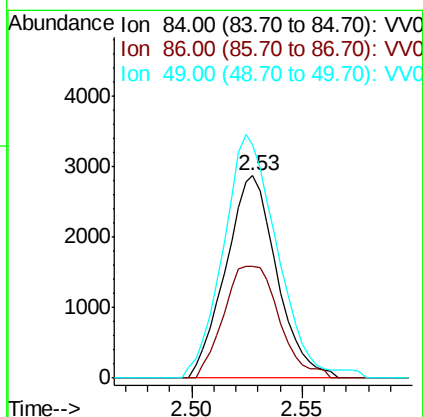
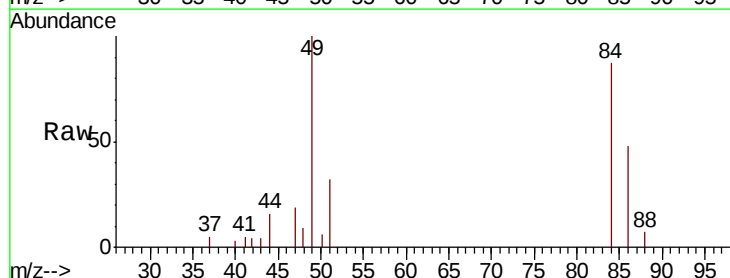
Instrument :
MSVOA_V
ClientSampleId :

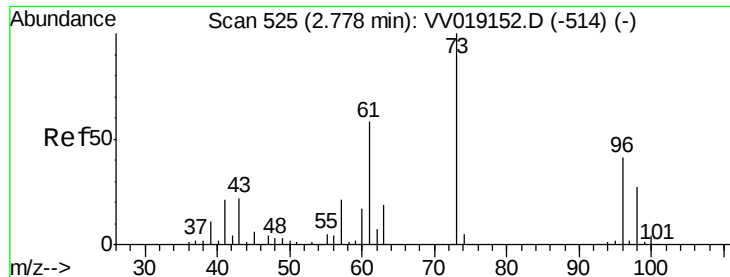
Tot Ion: 43 Resp: 4134
Ion Ratio Lower Upper
43 100
74 16.3 18.4 27.6#



#16
Methylene chloride
Concen: 2.730 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 84 Resp: 4630
Ion Ratio Lower Upper
84 100
86 55.4 46.0 85.4
49 115.5 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.390 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :

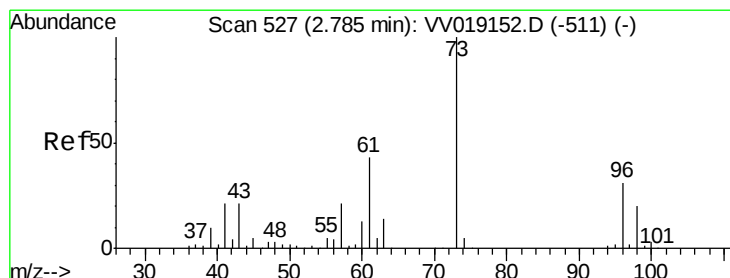
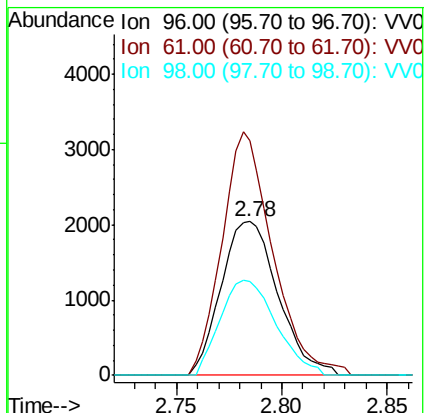
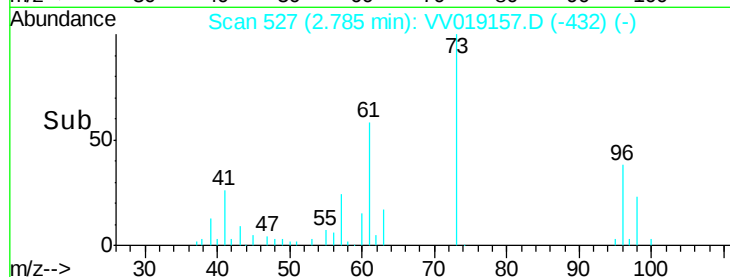
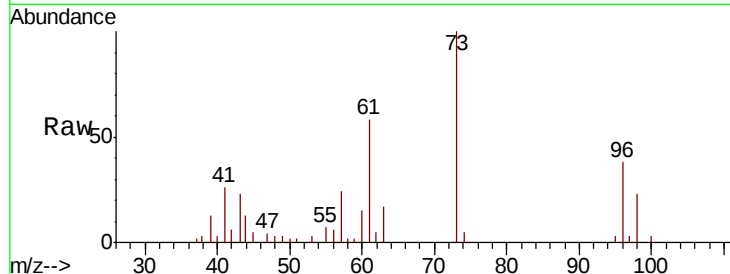
Tot Ion: 96 Resp: 3835

Ion Ratio Lower Upper

96 100

61 152.5 102.4 190.2

98 60.9 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 2.194 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

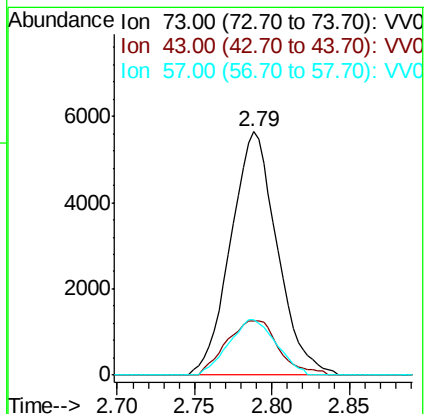
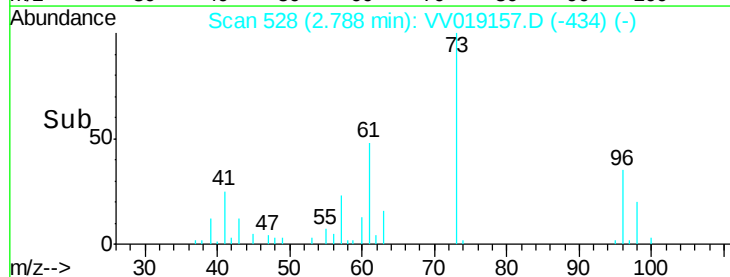
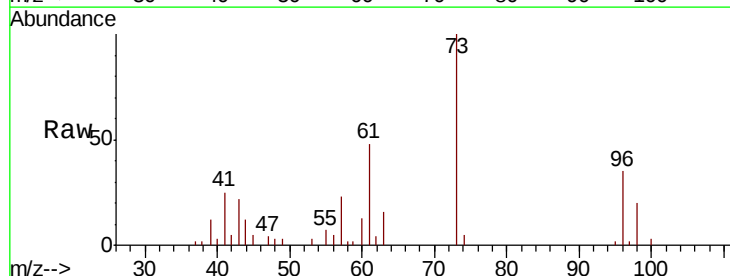
Tgt Ion: 73 Resp: 11787

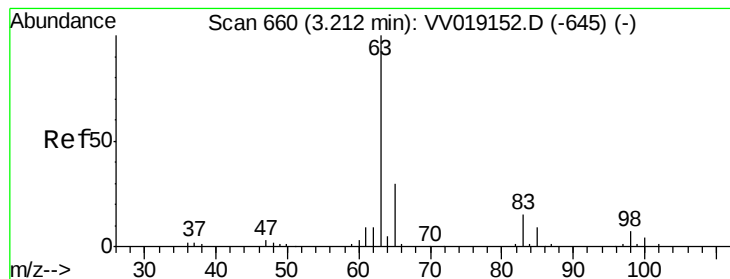
Ion Ratio Lower Upper

73 100

43 13.8 17.9 26.9#

57 23.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.448 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

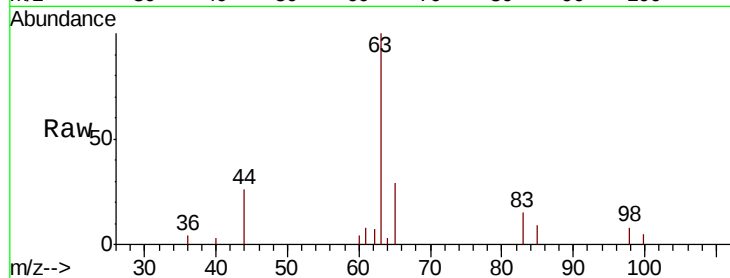
Tot Ion: 63 Resp: 7316

Ion Ratio Lower Upper

63 100

65 28.7 22.0 40.8

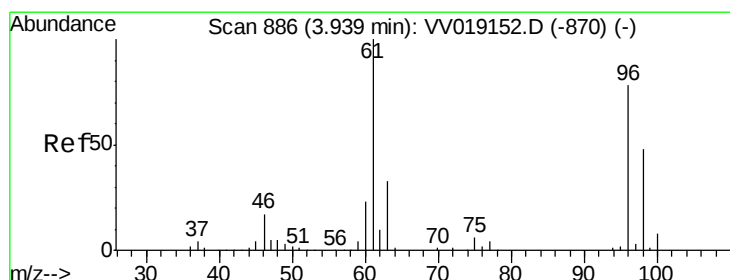
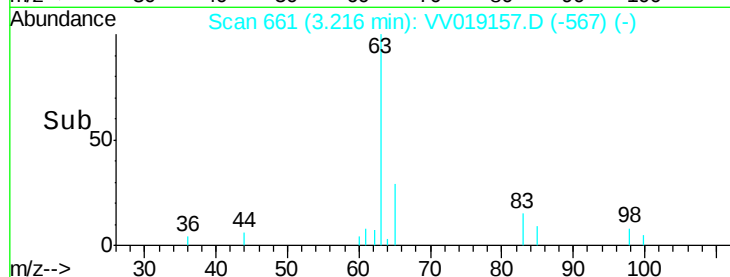
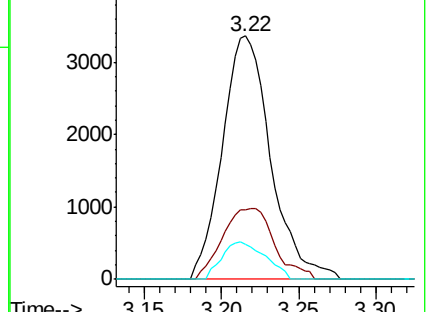
83 14.6 9.6 17.8



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: 2.306 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

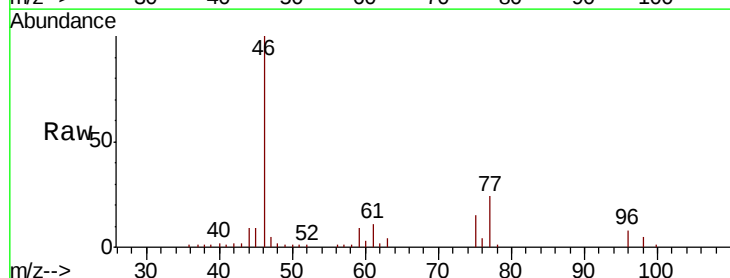
Tgt Ion: 96 Resp: 4061

Ion Ratio Lower Upper

96 100

61 135.3 90.7 168.5

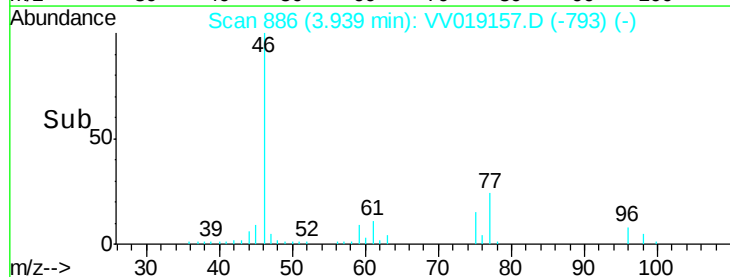
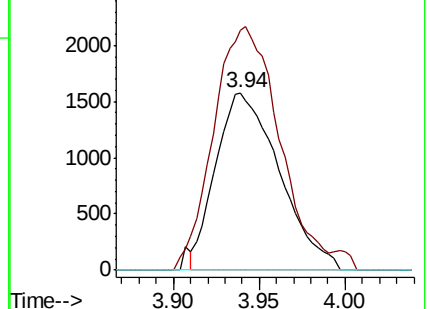
68 0.0 0.0 0.0

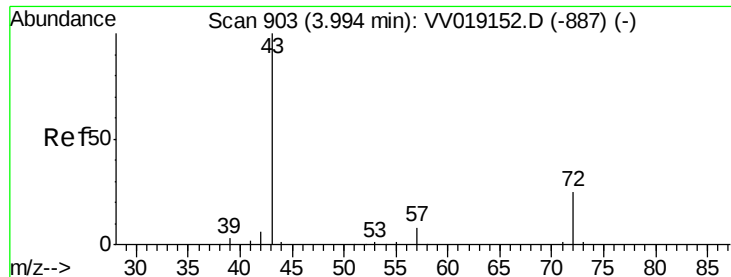


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 2.467 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.04 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

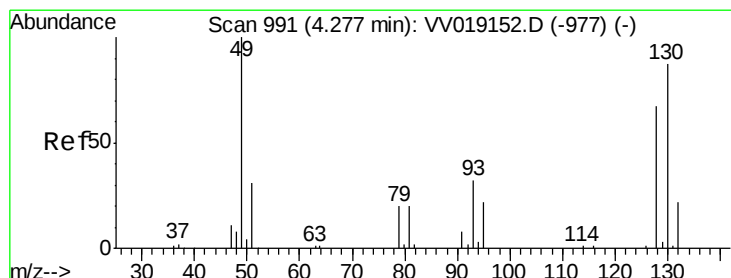
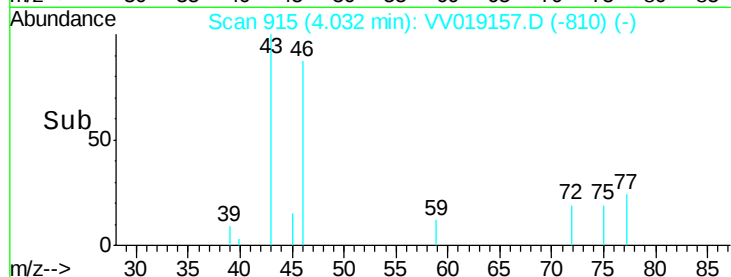
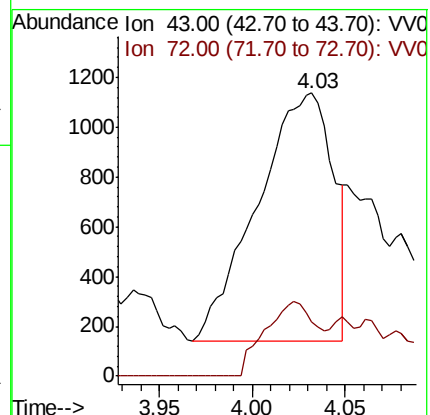
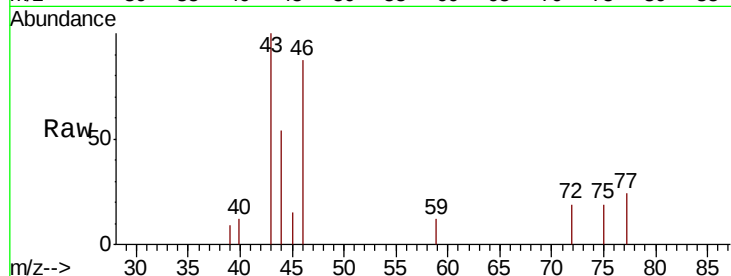
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

72 20.3 11.9 35.9



#23

Bromochloromethane

Concen: 2.281 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion: 128 Resp: 2155

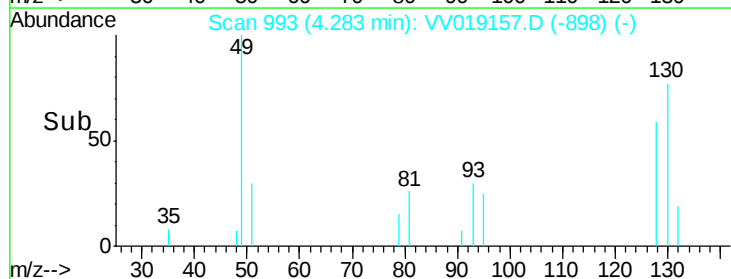
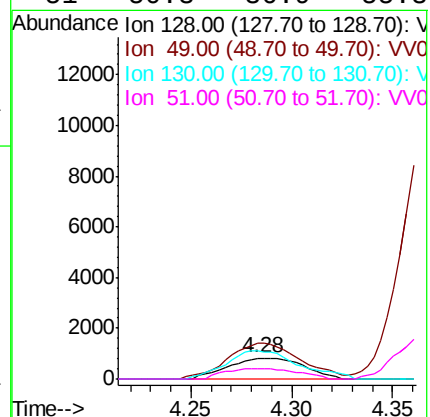
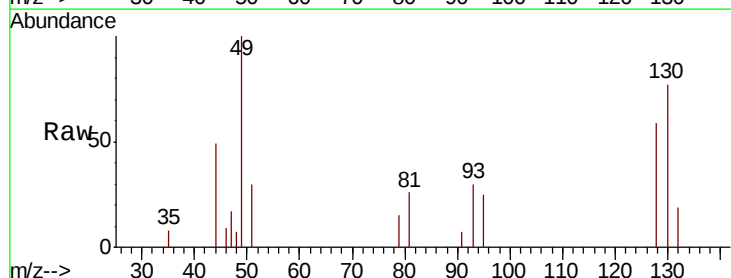
Ion Ratio Lower Upper

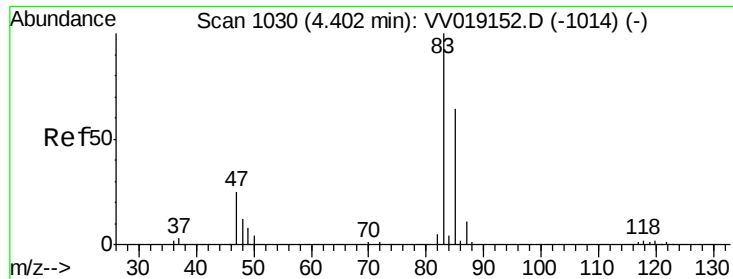
128 100

49 170.3 108.5 201.5

130 131.3 90.4 167.8

51 50.3 36.9 55.3

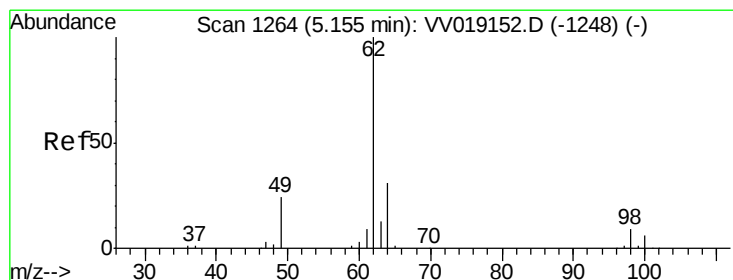
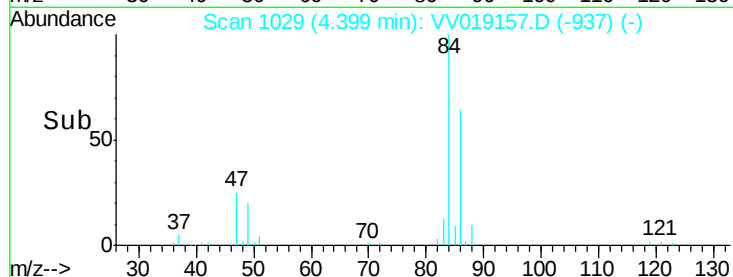
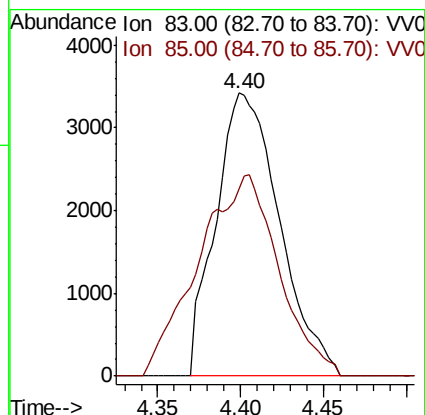
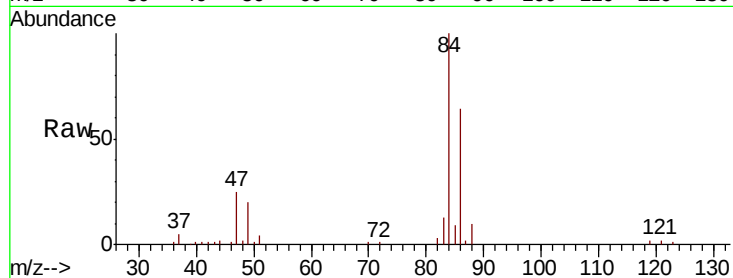




#25
Chloroform
Concen: 2.825 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

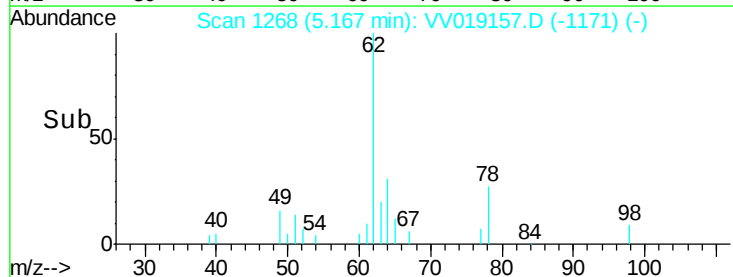
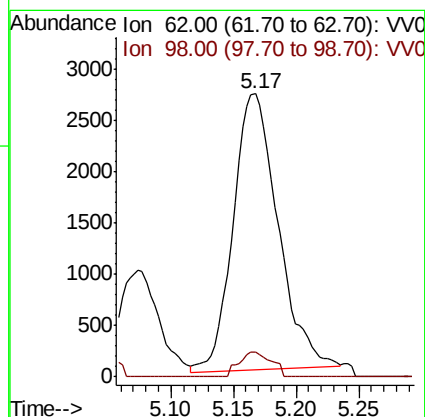
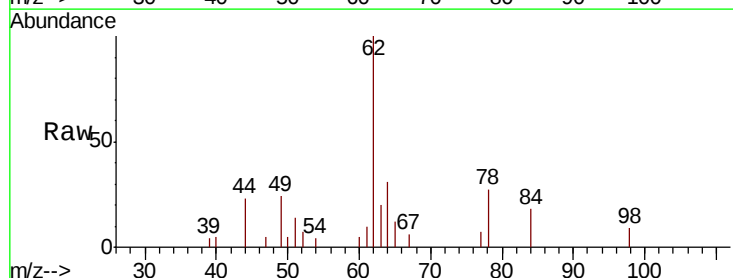
Instrument :
MSVOA_V
ClientSampleId :

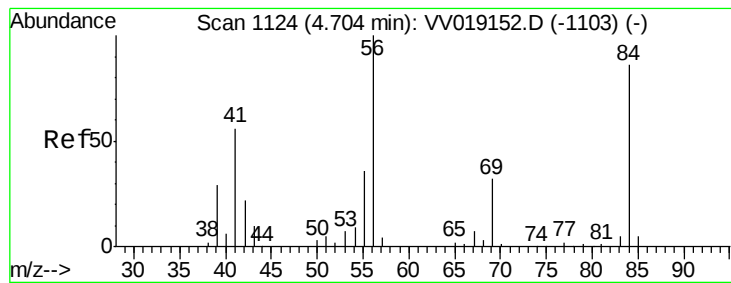
Tot Ion: 83 Resp: 9124
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 2.421 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 62 Resp: 6657
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 2.024 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :

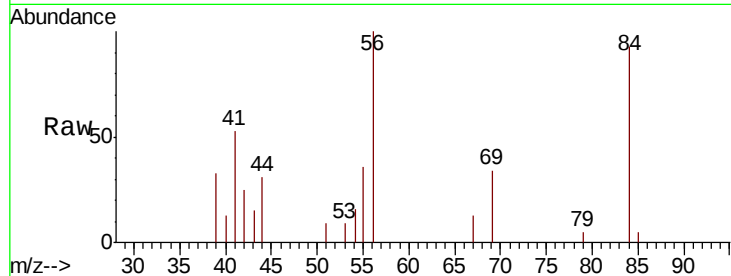
Tot Ion: 56 Resp: 5126

Ion Ratio Lower Upper

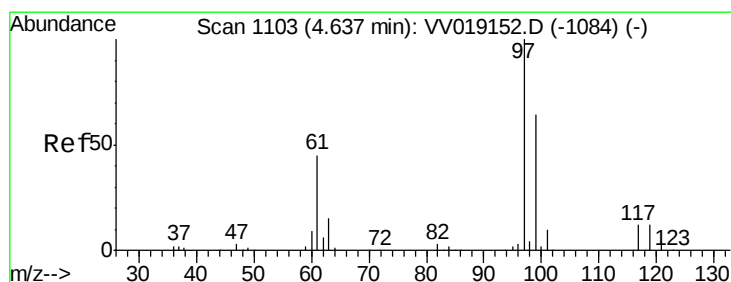
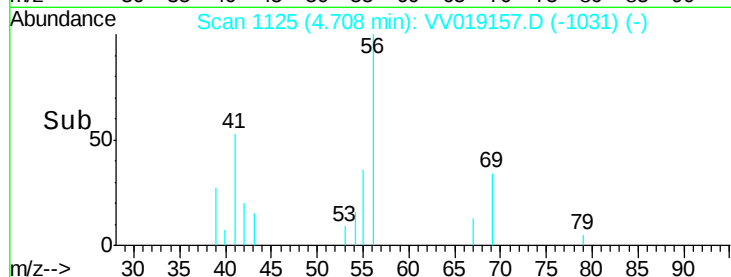
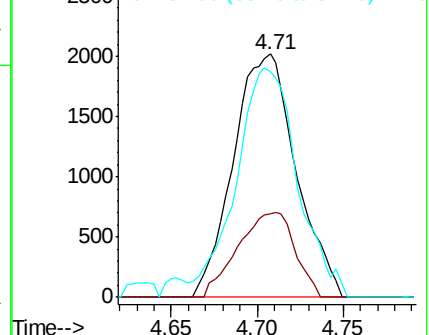
56 100

69 31.5 25.0 37.4

84 83.8 71.5 107.3



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: 2.257 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

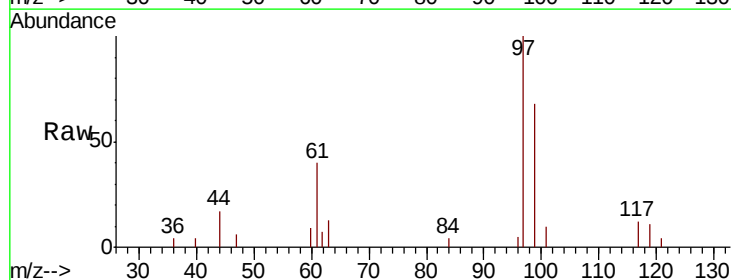
Tgt Ion: 97 Resp: 6940

Ion Ratio Lower Upper

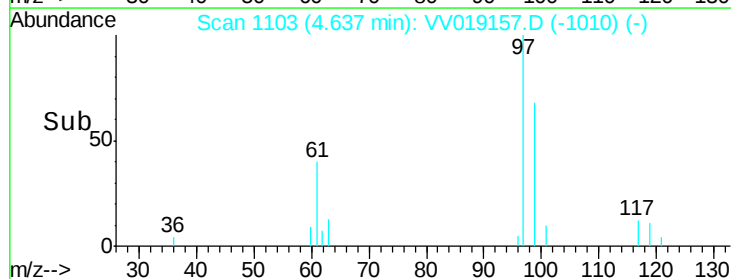
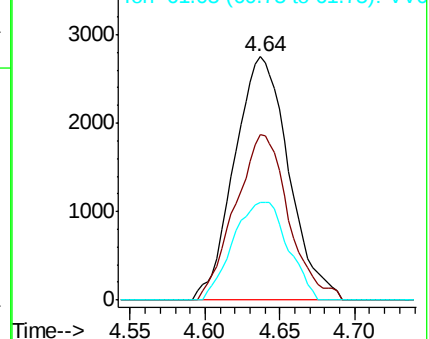
97 100

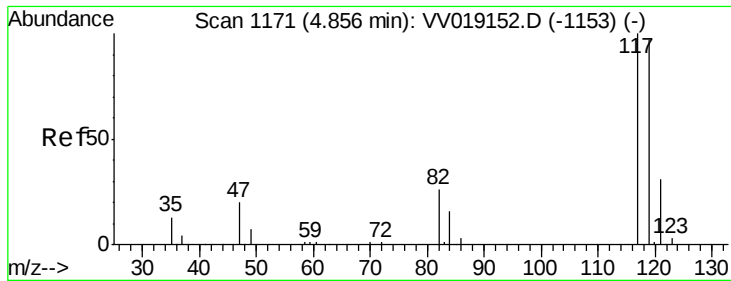
99 66.3 51.3 76.9

61 40.4 34.6 52.0



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

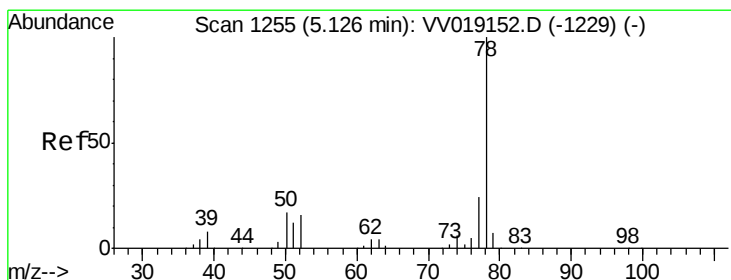
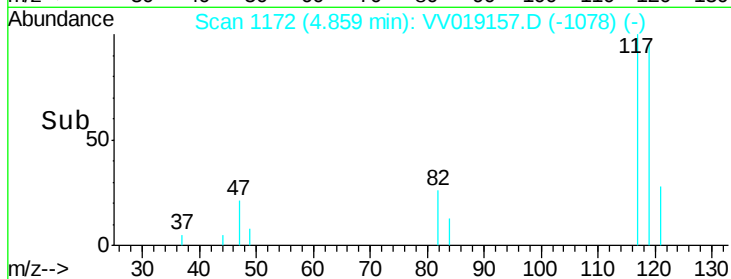
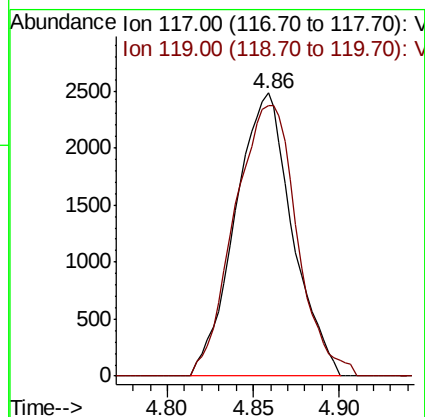
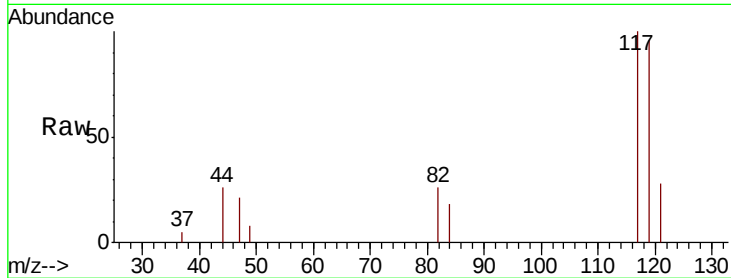




#31
Carbon tetrachloride
Concen: 2.107 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

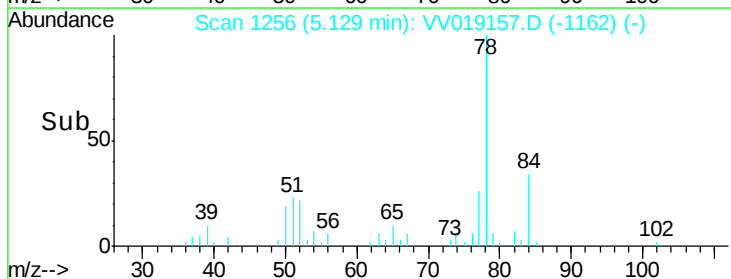
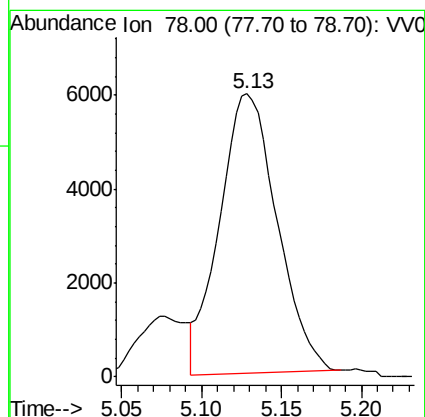
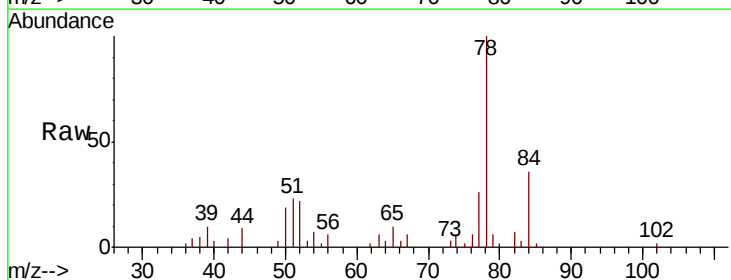
Instrument :
MSVOA_V
ClientSampled :

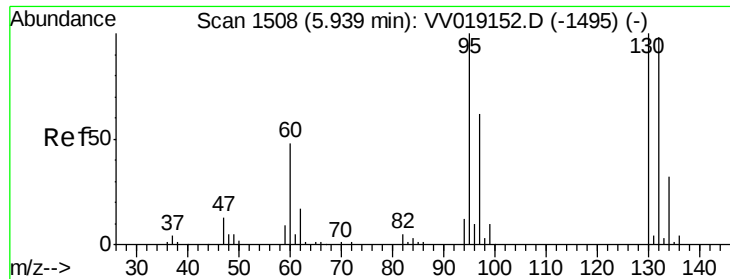
Tot Ion:117 Resp: 5745
Ion Ratio Lower Upper
117 100
119 104.5 77.2 115.8



#33
Benzene
Concen: 2.242 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 78 Resp: 14669

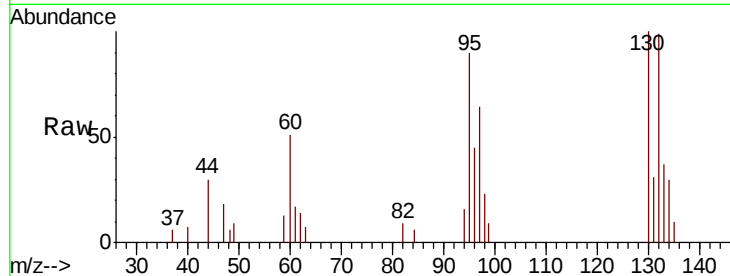




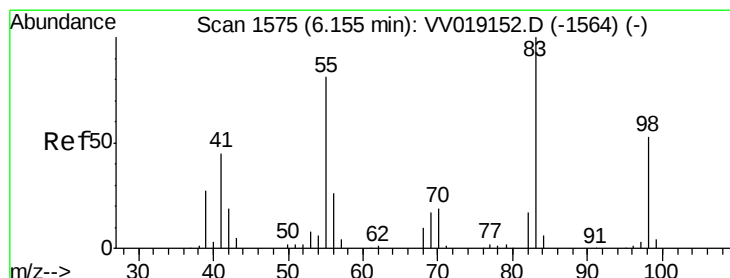
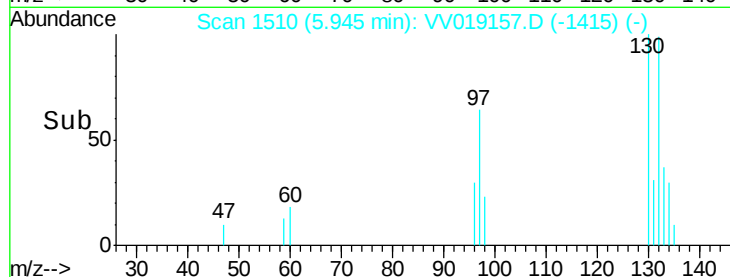
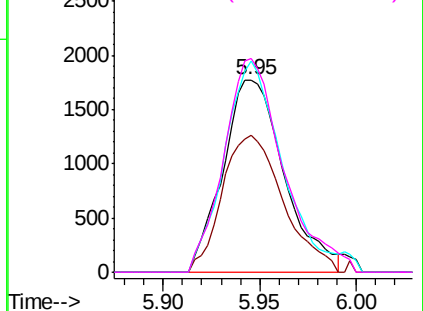
#34
 Trichloroethene
 Concen: 2.186 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3917
 Ion Ratio Lower Upper
 95 100
 97 70.8 43.4 80.6
 132 109.8 69.7 129.4
 130 110.9 72.4 134.5

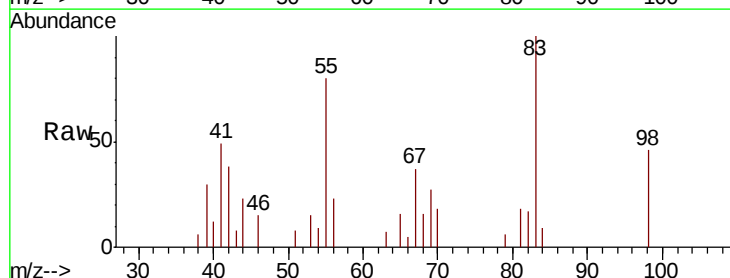


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

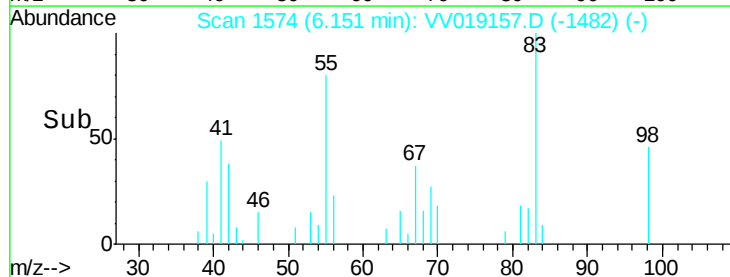
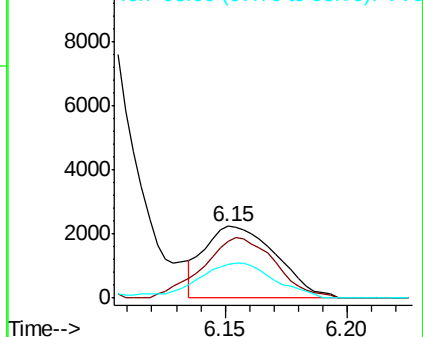


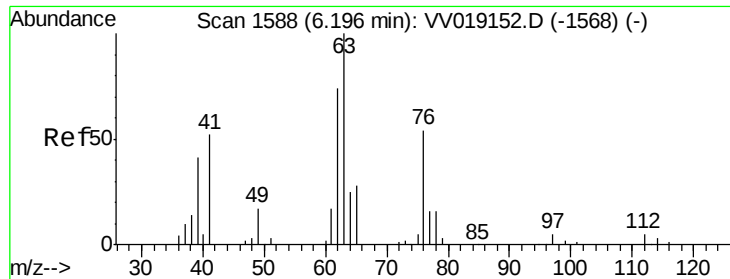
#35
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion: 83 Resp: 4572
 Ion Ratio Lower Upper
 83 100
 55 85.1 62.2 93.4
 98 50.6 39.4 59.2



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

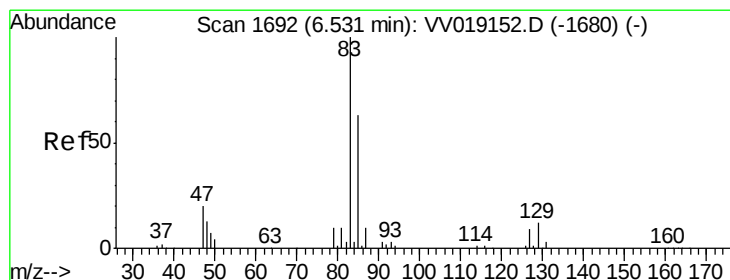
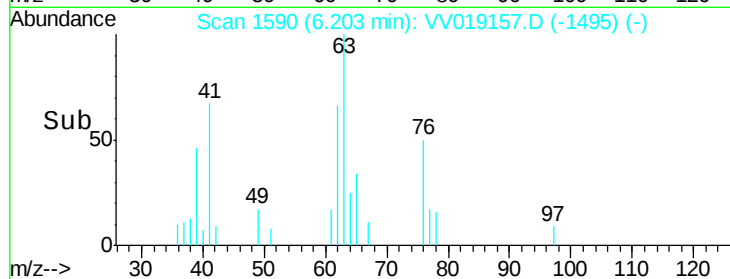
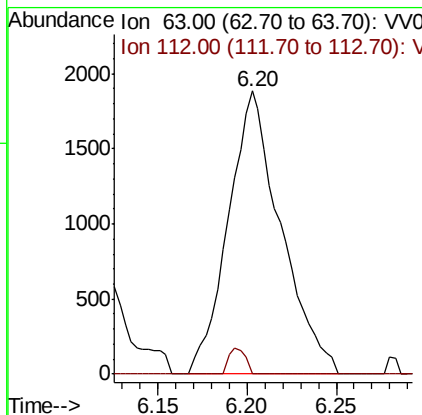
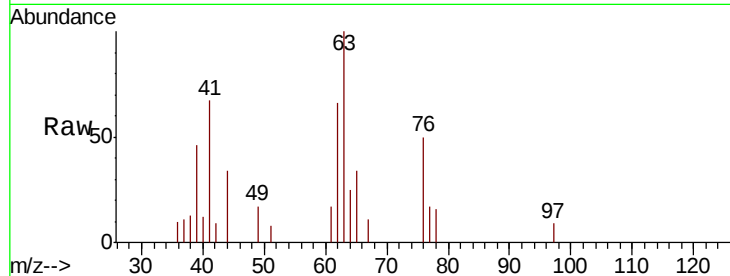




#37
 1,2-Dichloropropane
 Concen: 2.378 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

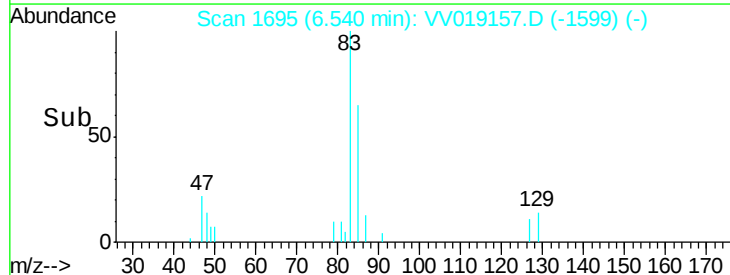
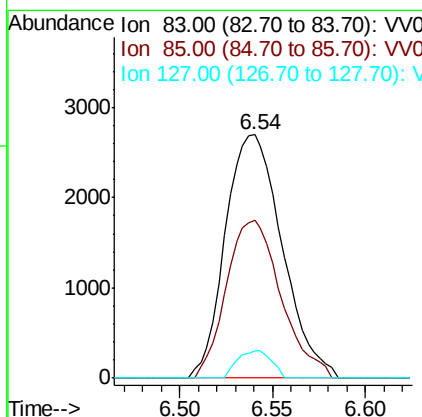
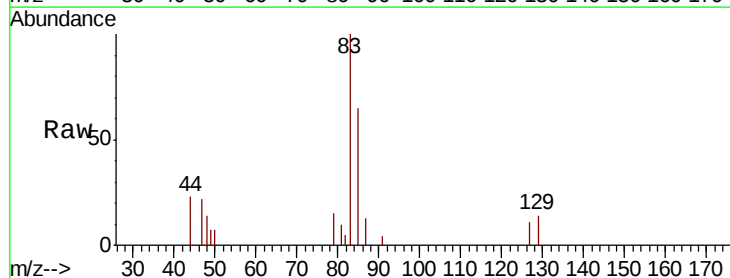
Instrument :
 MSVOA_V
 ClientSampleId :

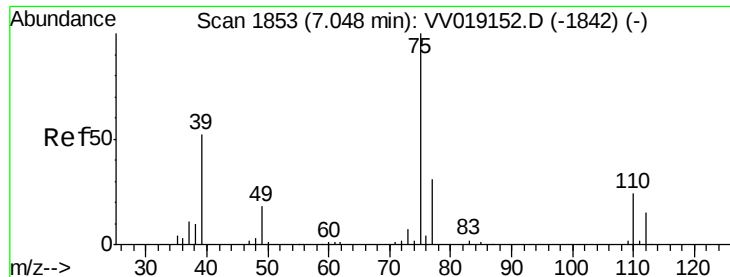
Tot Ion: 63 Resp: 3863
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 2.373 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion: 83 Resp: 5735
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.9 85.3
 127 11.2 6.9 10.3#

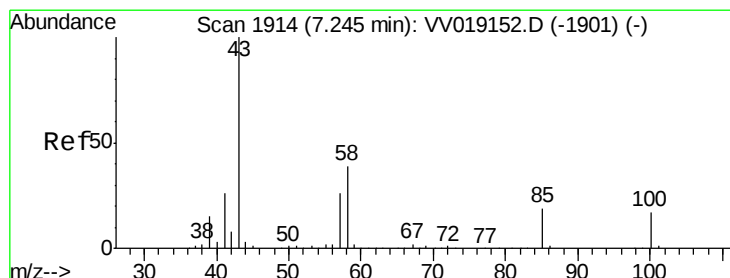
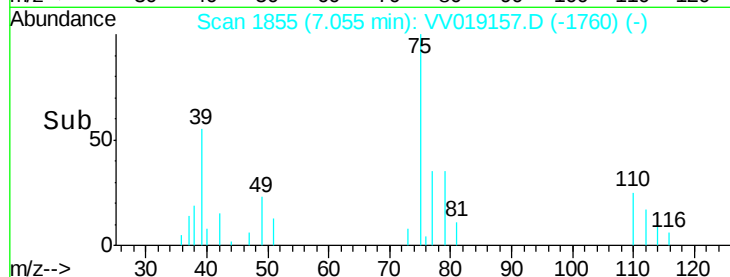
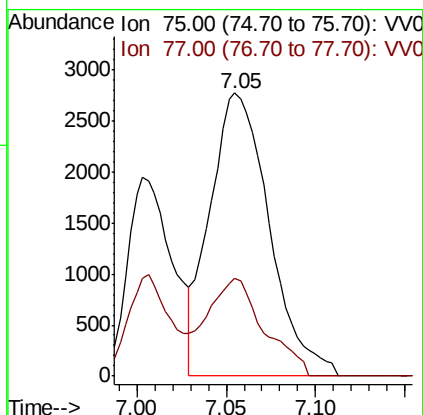
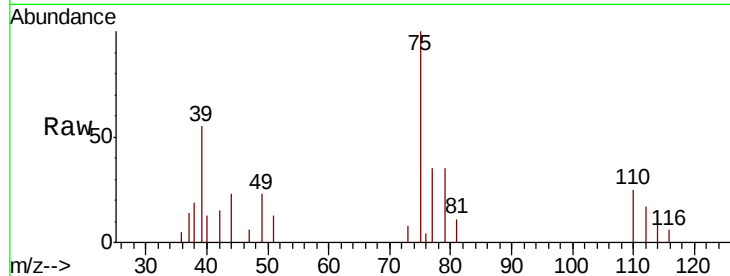




#39
 cis-1,3-Dichloropropene
 Concen: 2.394 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

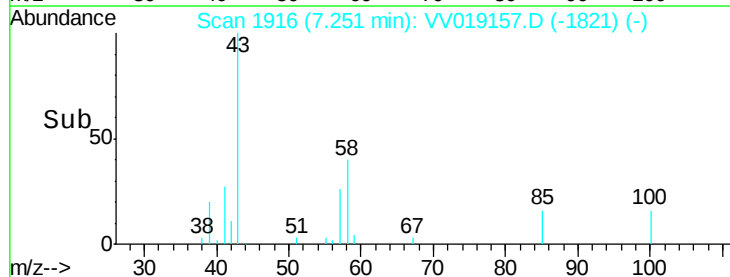
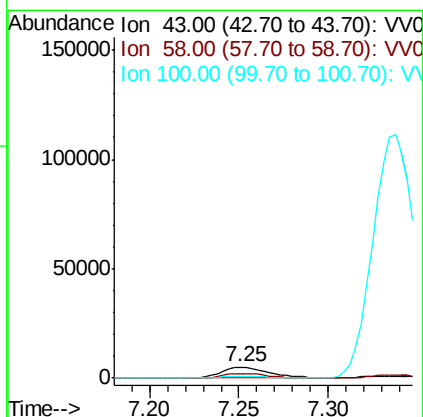
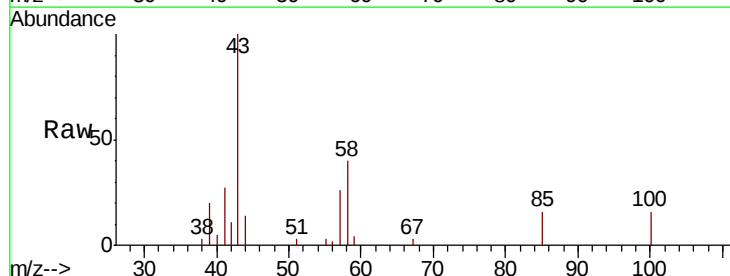
Instrument :
 MSVOA_V
 ClientSampleId :

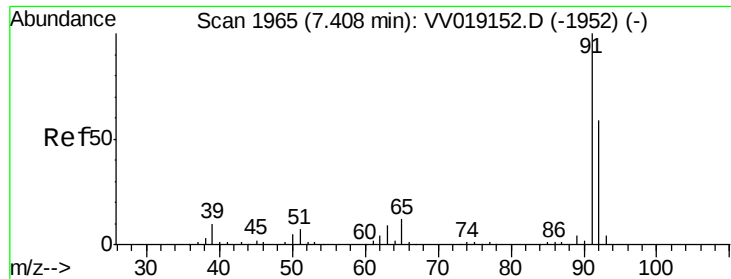
Tot Ion: 75 Resp: 6425
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.336 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion: 43 Resp: 9717
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.0 46.4
 100 16.2 13.2 19.8





#42

Toluene

Concen: 2.965 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

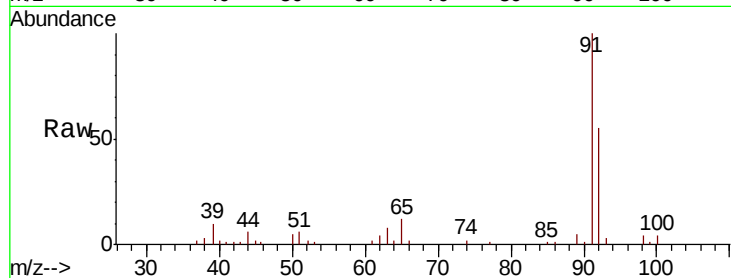
ClientSampleId :

Tot Ion: 91 Resp: 21262

Ion Ratio Lower Upper

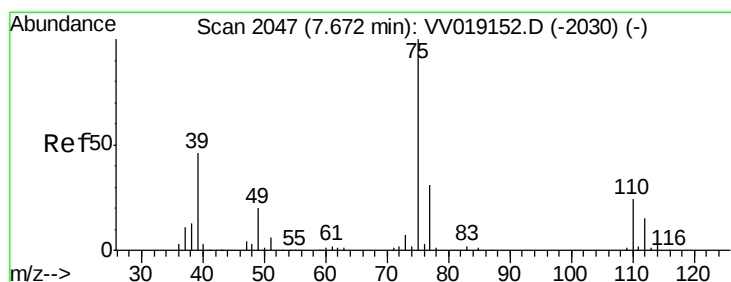
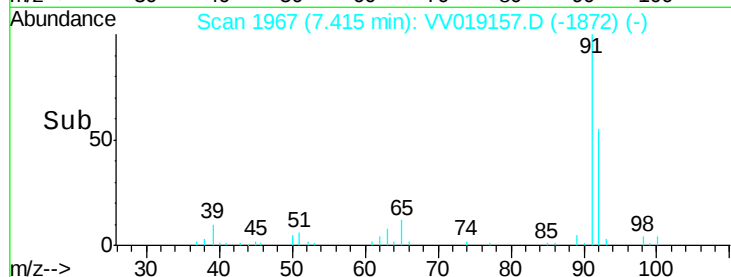
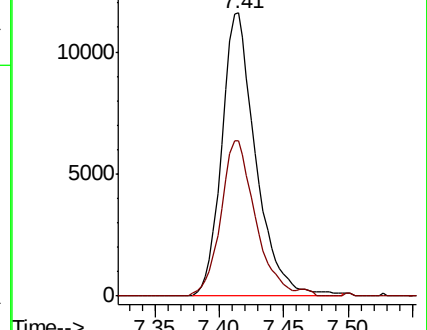
91 100

92 54.7 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV019152.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019157.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.246 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019157.D

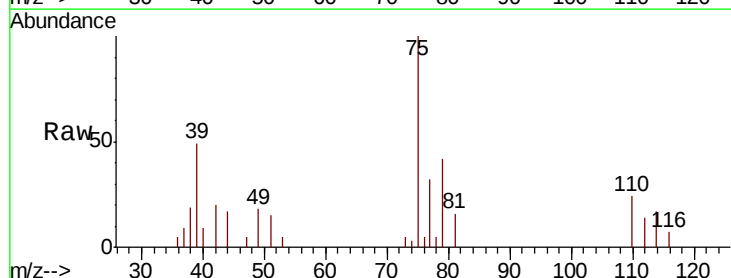
Acq: 29 Oct 2020 20:00

Tgt Ion: 75 Resp: 6269

Ion Ratio Lower Upper

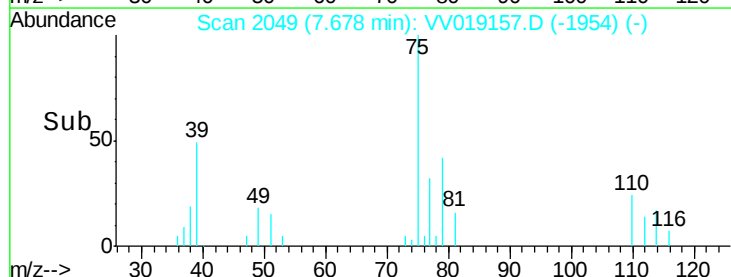
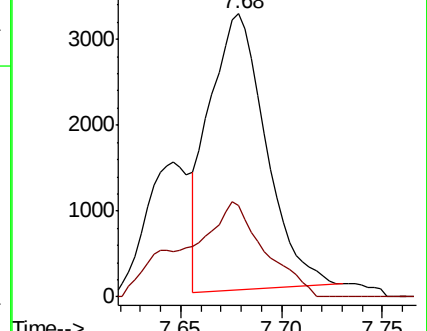
75 100

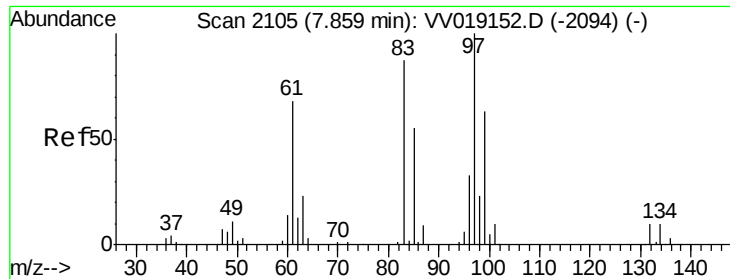
77 32.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV019157.D (-1954) (-)

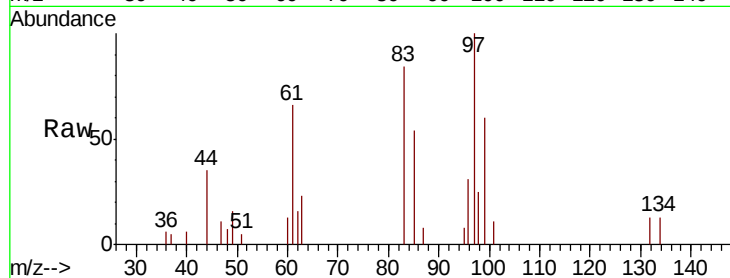




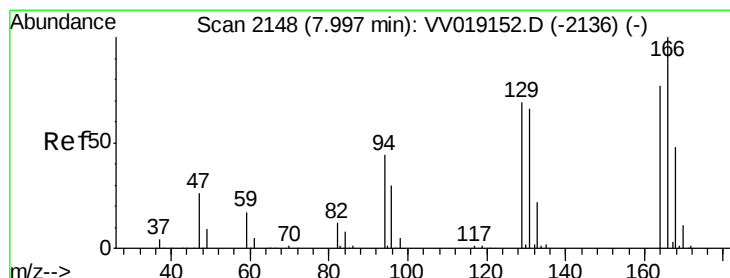
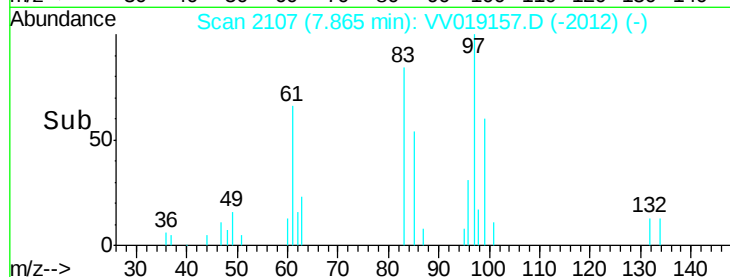
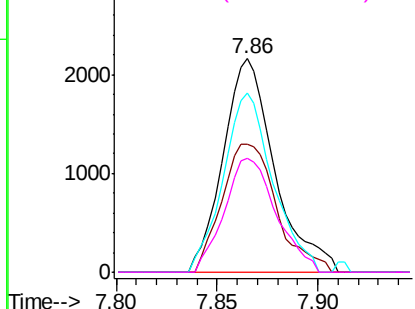
#45
1,1,2-Trichloroethane
Concen: 2.371 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	3863
Ion	Ratio	Lower	Upper
97	100		
99	60.1	43.1	80.1
83	84.2	58.3	108.3
85	53.6	37.8	70.2

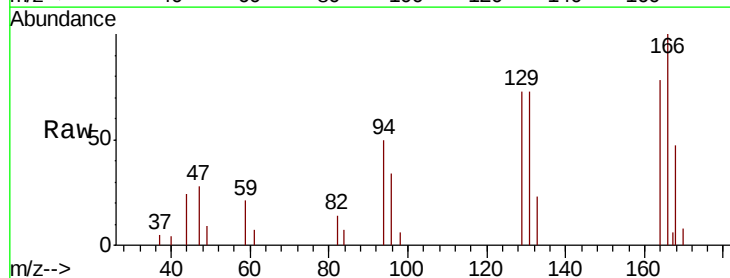


Abundance Ion 97.00 (96.70 to 97.70): VV019157.D (-2102) (-)
Ion 99.00 (98.70 to 99.70): VV019157.D (-2102) (-)
Ion 83.00 (82.70 to 83.70): VV019157.D (-2102) (-)
Ion 85.00 (84.70 to 85.70): VV019157.D (-2102) (-)

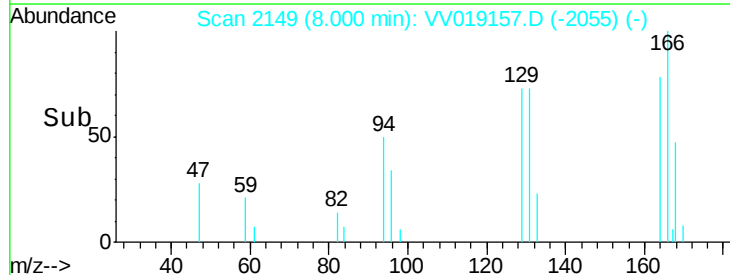
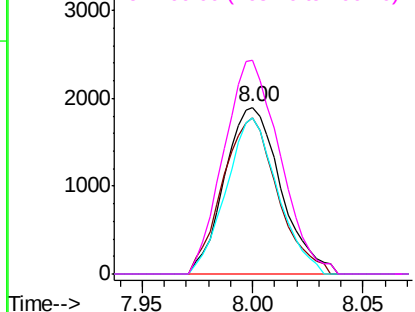


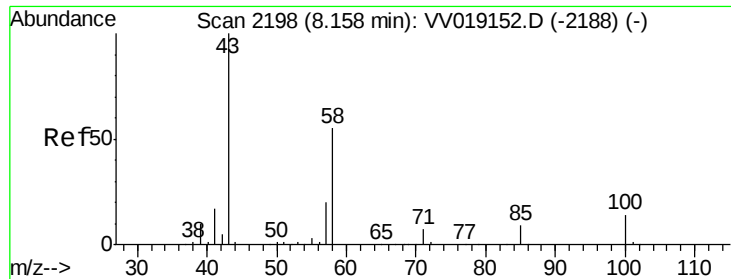
#46
Tetrachloroethene
Concen: 2.196 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion:	164	Resp:	3361
Ion	Ratio	Lower	Upper
164	100		
129	93.2	63.2	117.4
131	93.3	60.3	112.1
166	127.9	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019157.D (-2149) (-)
Ion 129.00 (128.70 to 129.70): VV019157.D (-2149) (-)
Ion 131.00 (130.70 to 131.70): VV019157.D (-2149) (-)
Ion 166.00 (165.70 to 166.70): VV019157.D (-2149) (-)

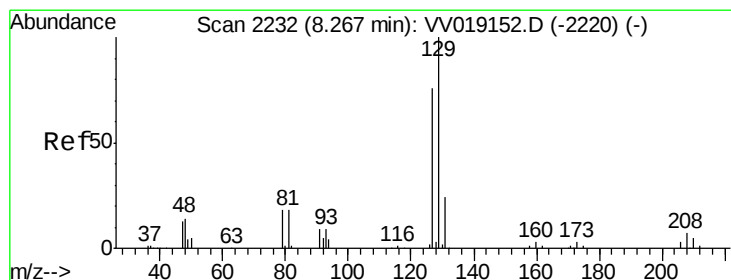
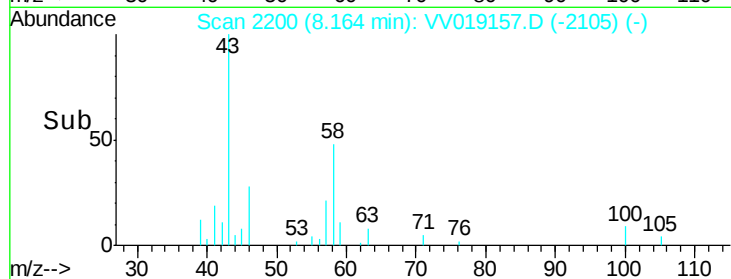
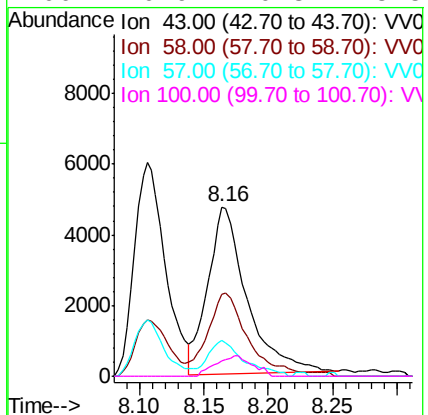
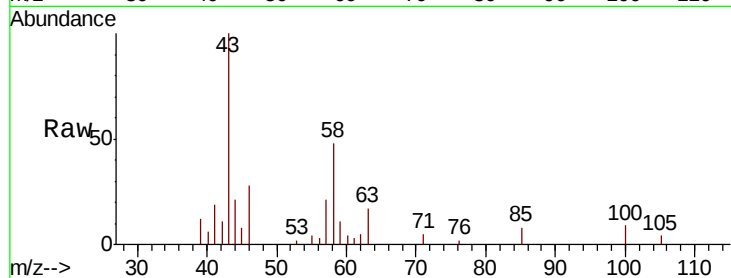




#48
2-Hexanone
Concen: 5.548 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

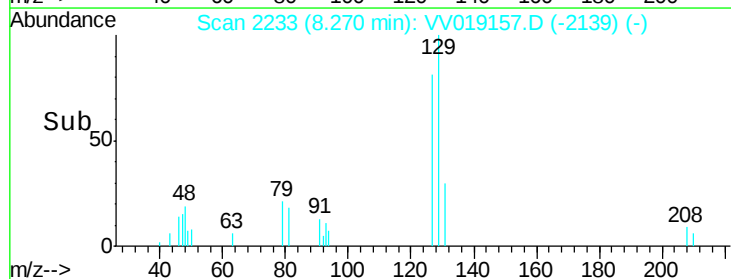
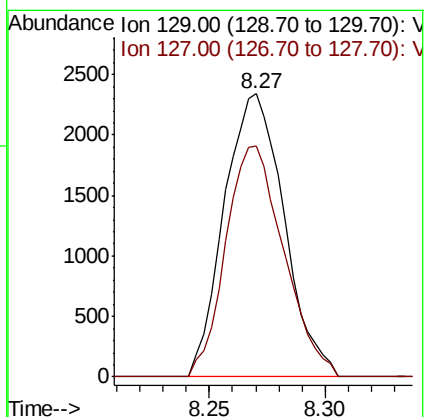
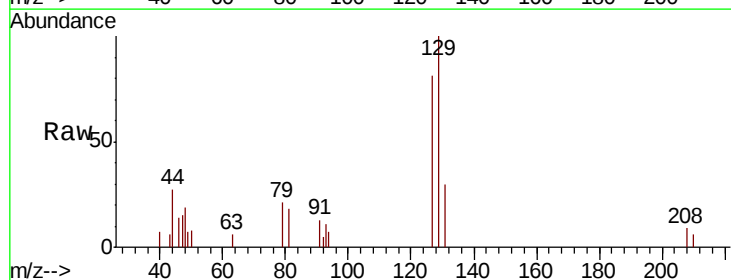
Instrument :
MSVOA_V
ClientSampled :

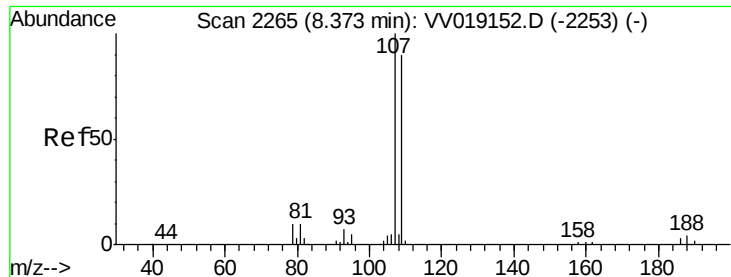
Tot Ion: 43 Resp: 9884
Ion Ratio Lower Upper
43 100
58 40.4 43.6 65.4#
57 19.5 16.0 24.0
100 10.9 10.3 15.5



#49
Dibromochloromethane
Concen: 2.128 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 129 Resp: 4198
Ion Ratio Lower Upper
129 100
127 81.4 54.7 101.5

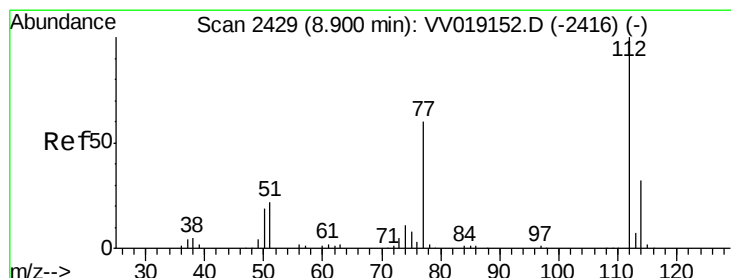
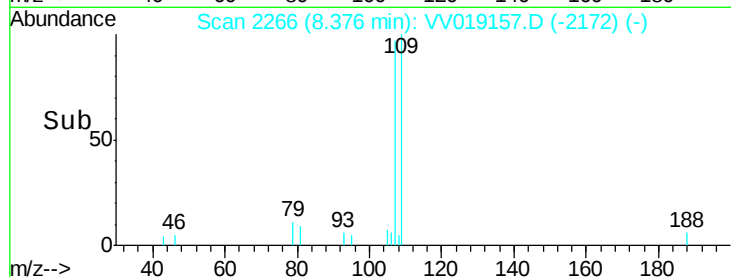
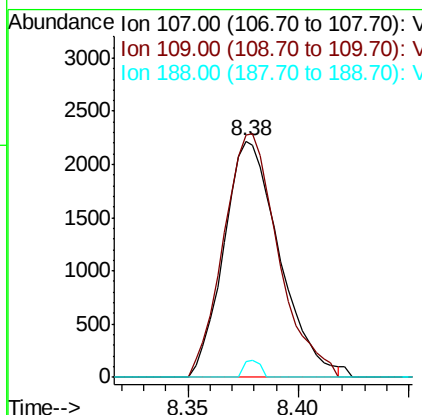
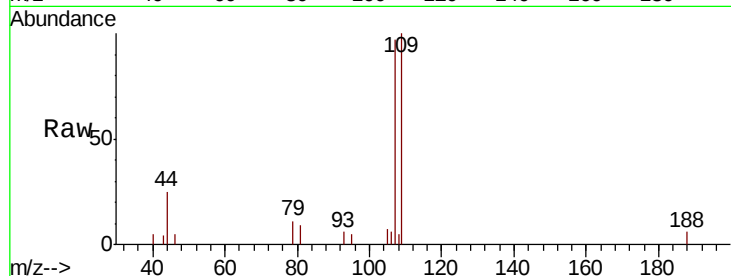




#50
 1,2-Dibromoethane
 Concen: 2.239 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

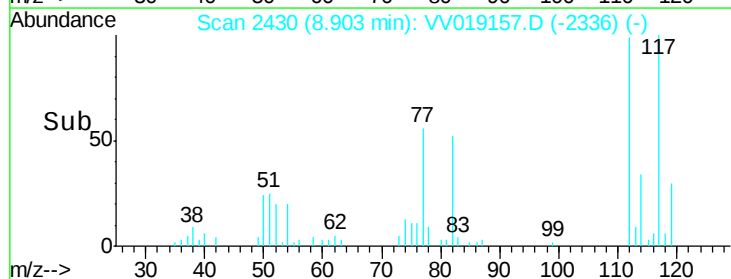
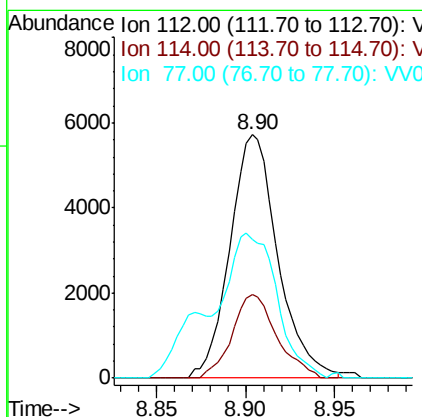
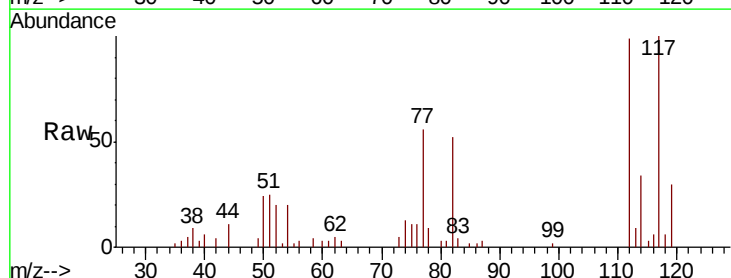
Instrument :
 MSVOA_V
 ClientSampleId :

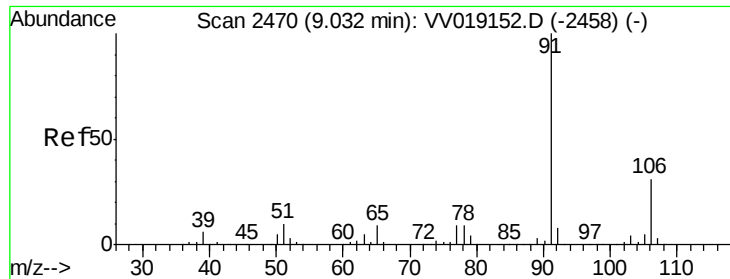
Tot Ion:107 Resp: 3893
 Ion Ratio Lower Upper
 107 100
 109 102.8 65.7 121.9
 188 6.6 3.4 5.2#



#51
 Chlorobenzene
 Concen: 2.276 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion:112 Resp: 10703
 Ion Ratio Lower Upper
 112 100
 114 34.3 22.3 41.5
 77 56.7 46.7 70.1





#52

Ethylbenzene

Concen: 2.103 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

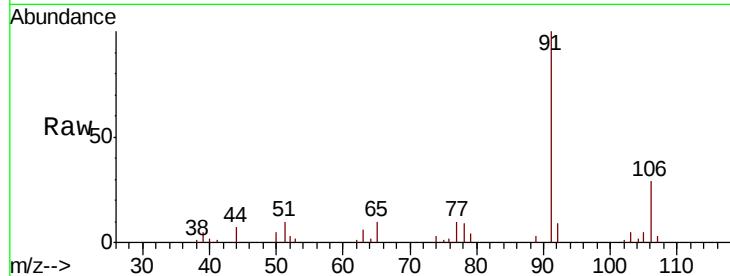
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 16622

Ion Ratio Lower Upper

91 100

106 29.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019157.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019157.D (-2377) (-)

9.04

10000

8000

6000

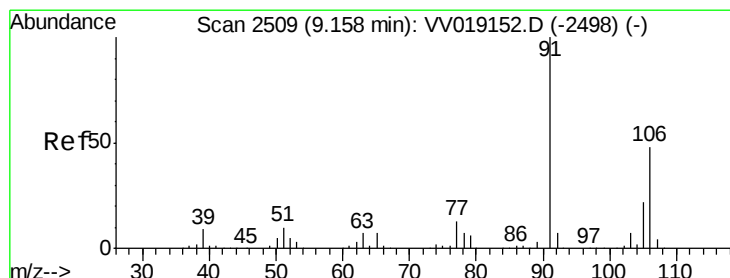
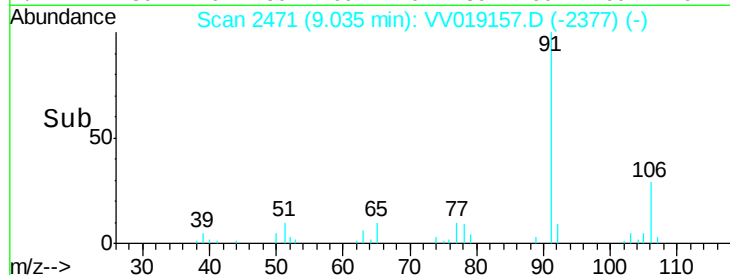
4000

2000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 2.133 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019157.D

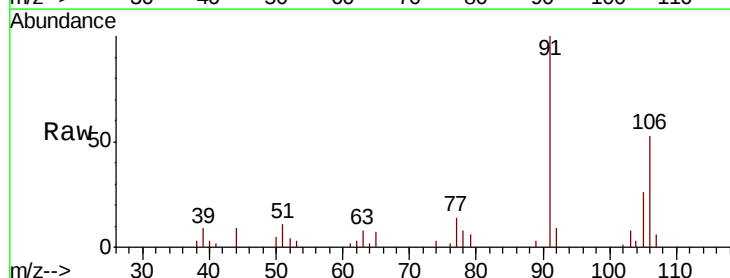
Acq: 29 Oct 2020 20:00

Tgt Ion: 106 Resp: 6366

Ion Ratio Lower Upper

106 100

91 187.7 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019157.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019157.D (-2416) (-)

9.16

8000

6000

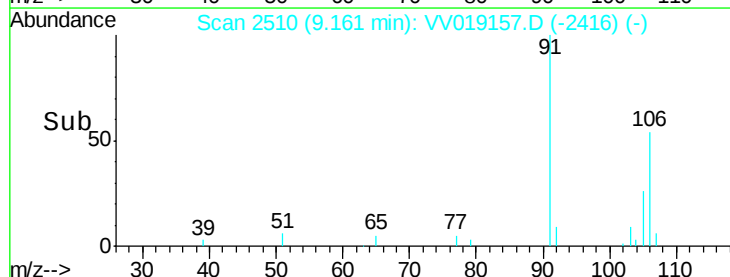
4000

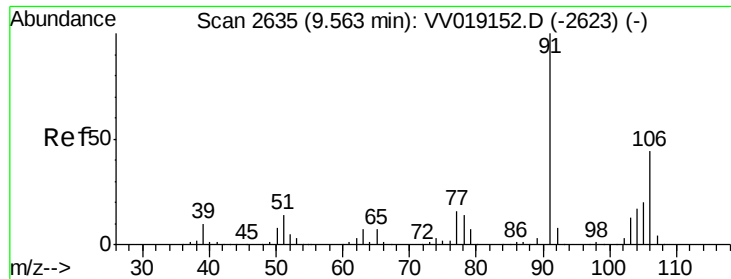
2000

0

Time-->

9.10 9.15 9.20





#54

o-xylene

Concen: 1.983 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

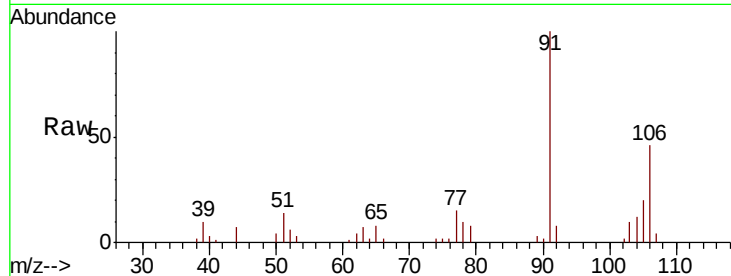
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5684

Ion Ratio Lower Upper

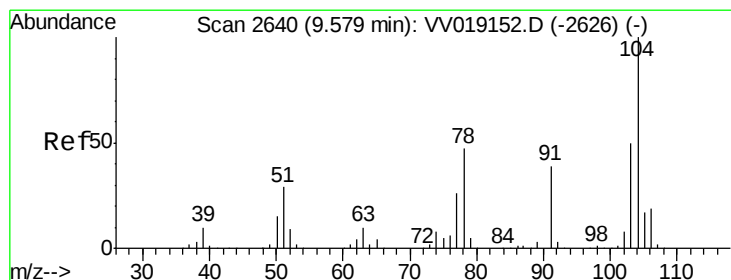
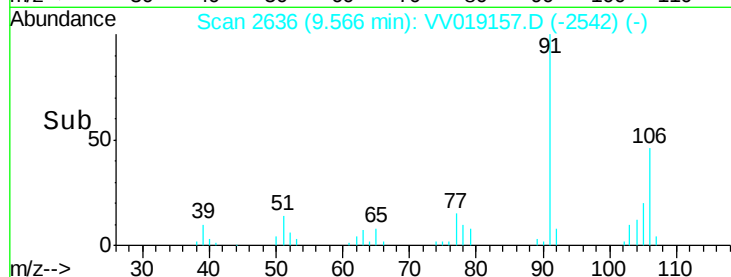
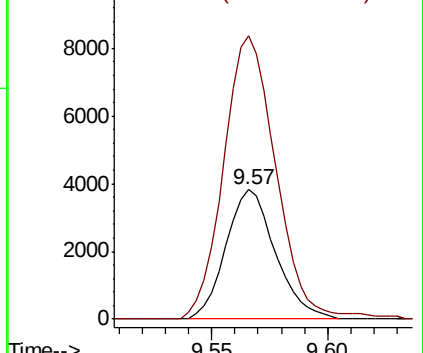
106 100

91 218.7 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.961 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019157.D

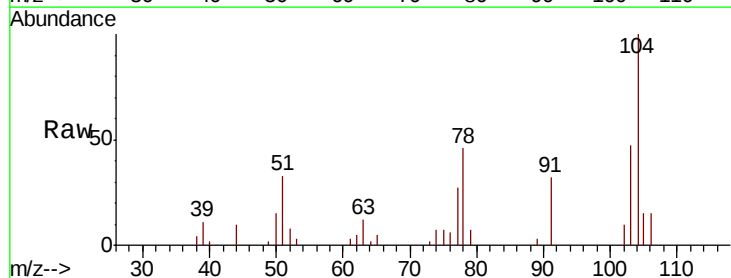
Acq: 29 Oct 2020 20:00

Tgt Ion:104 Resp: 9961

Ion Ratio Lower Upper

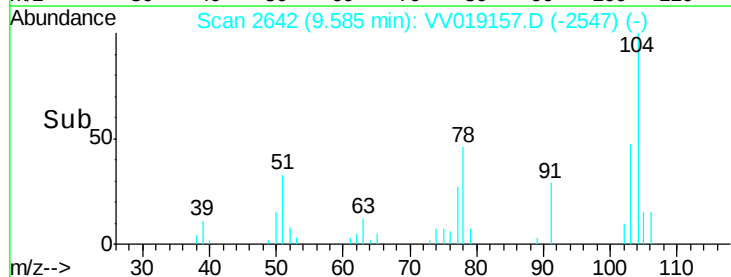
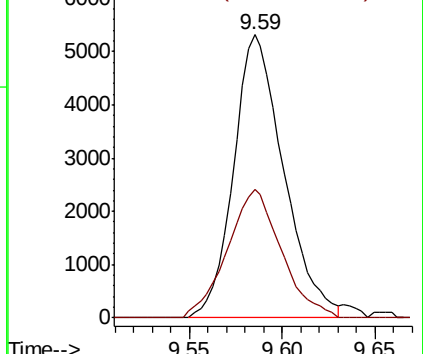
104 100

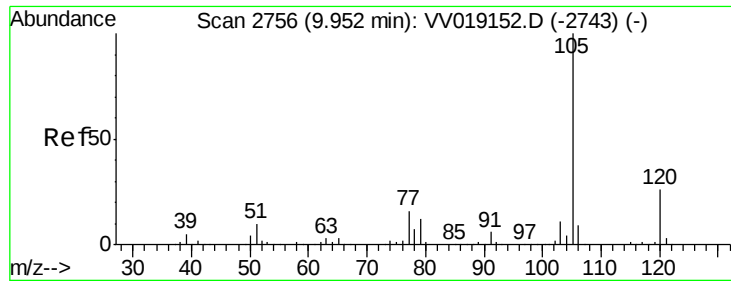
78 45.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.926 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

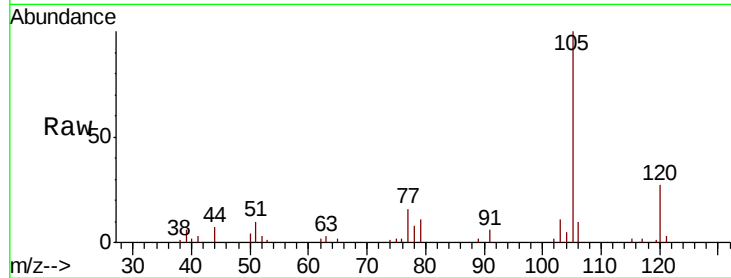
Tot Ion:105 Resp: 14831

Ion Ratio Lower Upper

105 100

120 27.5 21.3 31.9

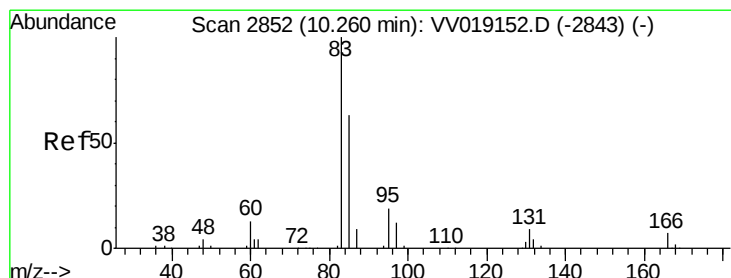
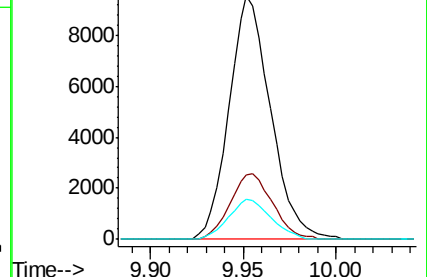
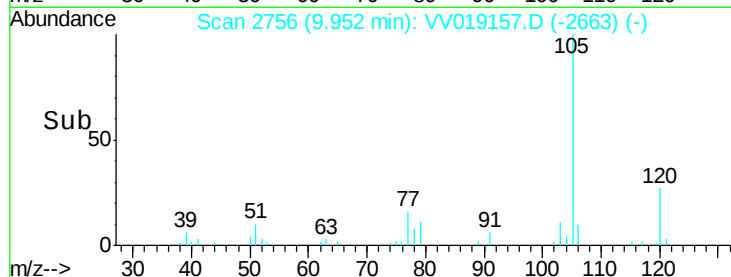
77 16.8 13.0 19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 2.415 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

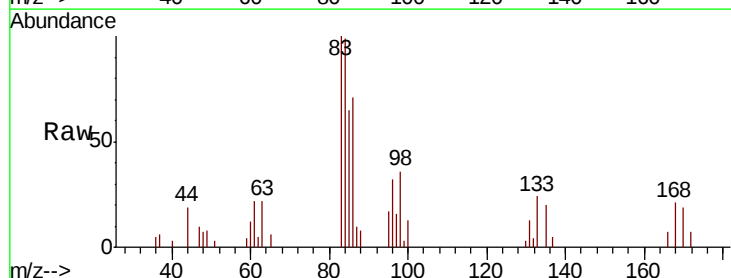
Tgt Ion: 83 Resp: 5992

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

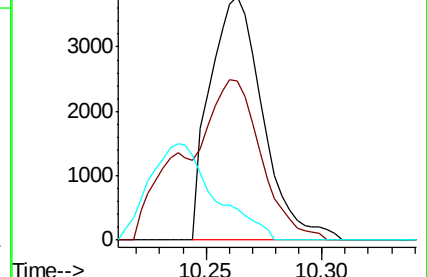
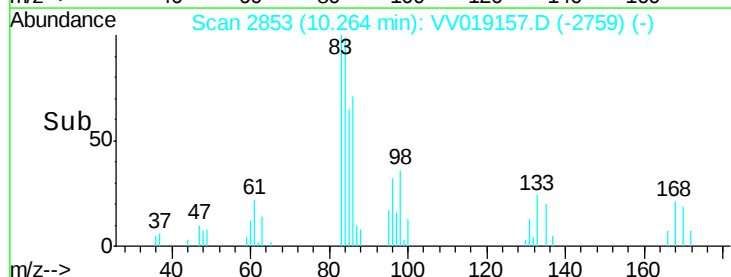
131 12.7 8.9 13.3

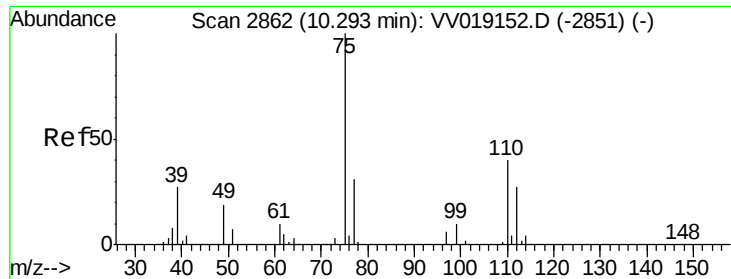


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.339 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

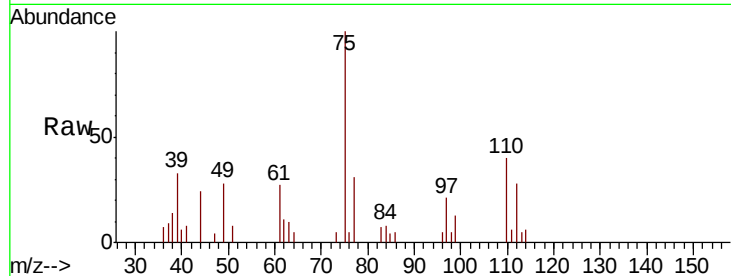
ClientSampleId :

Tot Ion: 75 Resp: 4968

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV019157.D (-2240) (-)

10.30

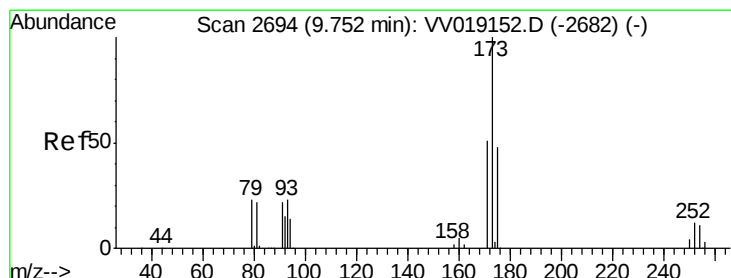
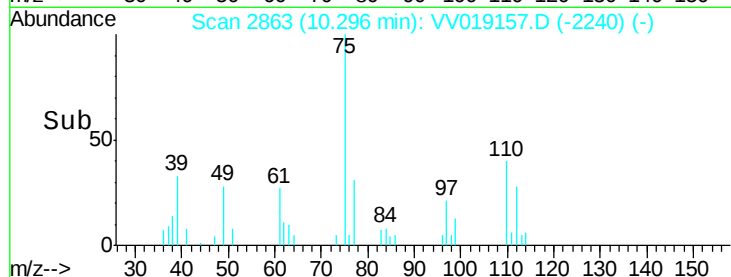
3000

2000

1000

0

Time-->



#61

Bromoform

Concen: 2.594 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

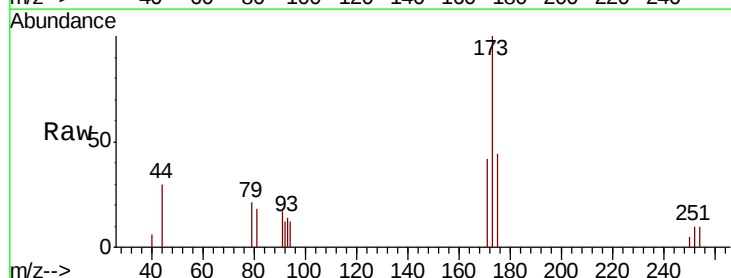
Tgt Ion: 173 Resp: 3698

Ion Ratio Lower Upper

173 100

175 44.5 39.8 59.6

254 8.8 9.7 14.5#



Abundance Ion 173.00 (172.70 to 173.70): VV019152.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019157.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV019157.D (-2601) (-)

9.76

3000

2500

2000

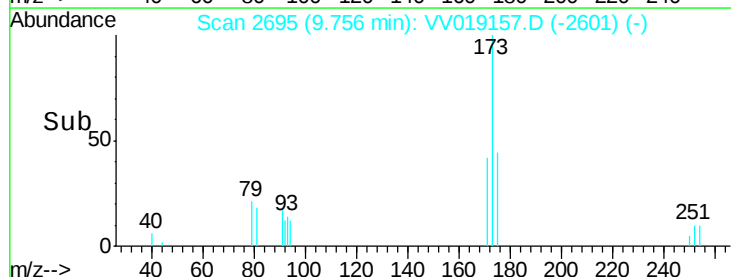
1500

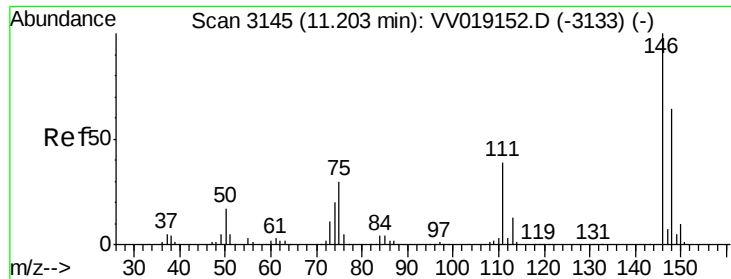
1000

500

0

Time-->

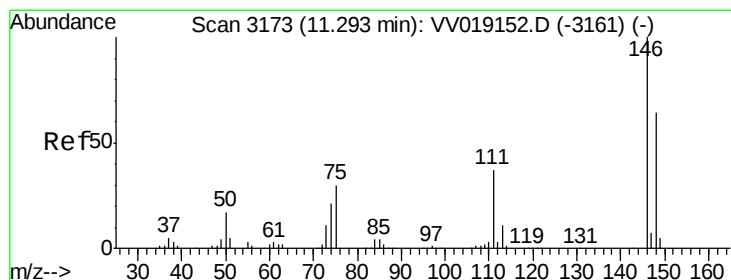
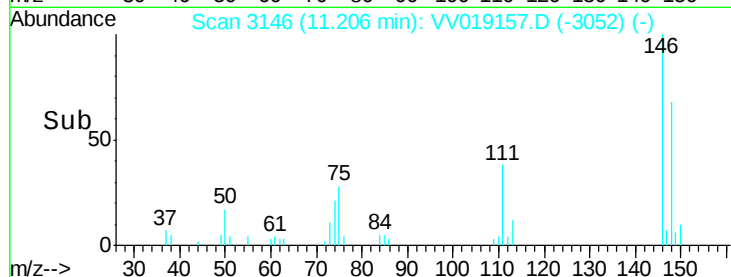
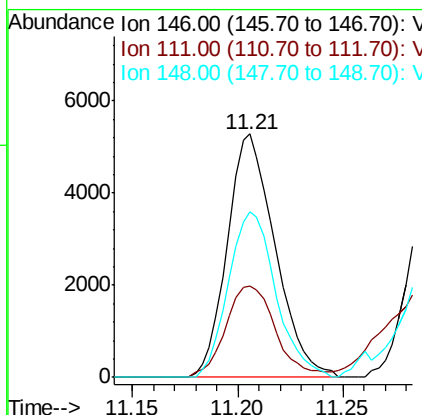
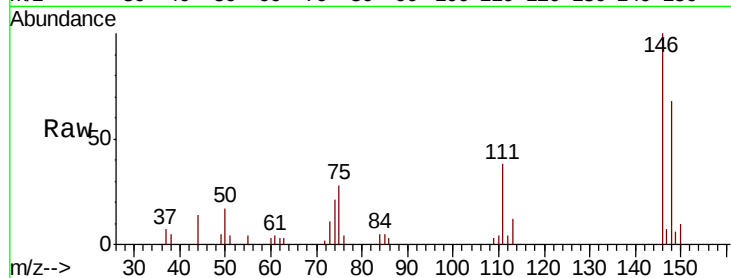




#62
 1,3-Dichlorobenzene
 Concen: 2.282 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

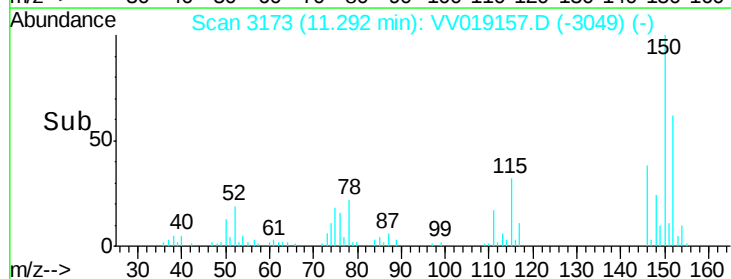
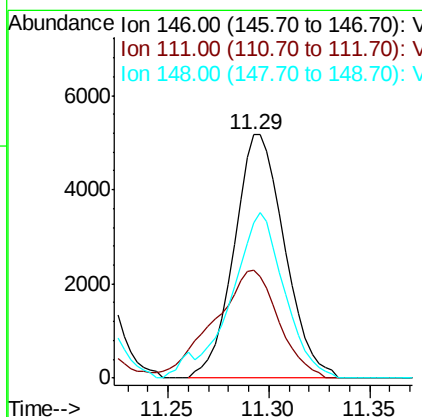
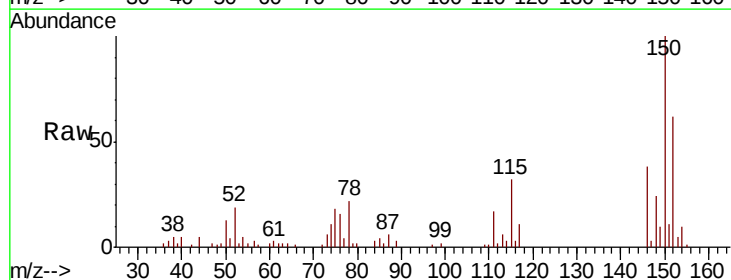
Instrument :
 MSVOA_V
 ClientSampleId :

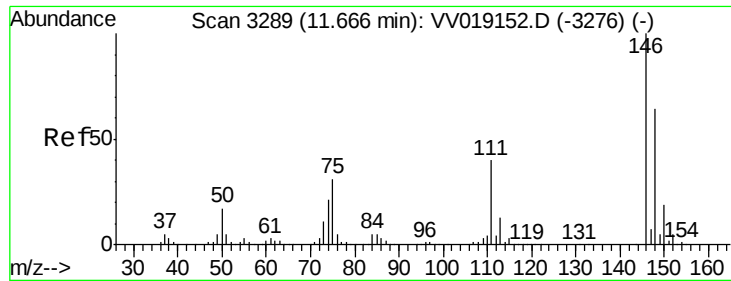
Tot Ion:146 Resp: 8316
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.1 50.3
 148 67.8 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 2.395 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion:146 Resp: 9073
 Ion Ratio Lower Upper
 146 100
 111 44.4 25.8 48.0
 148 63.7 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 2.555 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

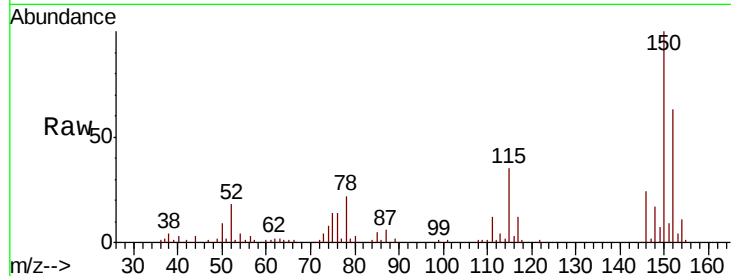
Tot Ion:146 Resp: 9226

Ion Ratio Lower Upper

146 100

111 47.5 32.2 48.4

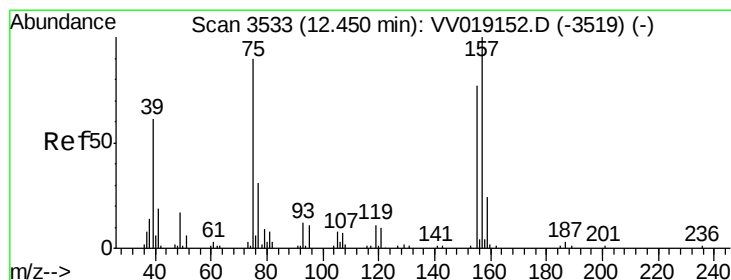
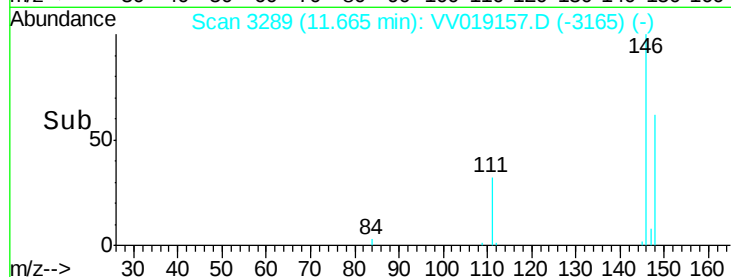
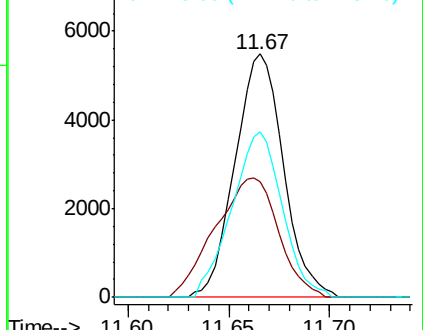
148 68.1 50.8 76.2



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: 2.308 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

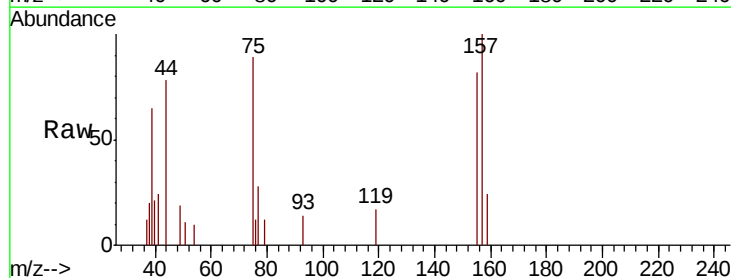
Tgt Ion: 75 Resp: 1426

Ion Ratio Lower Upper

75 100

155 92.0 71.1 106.7

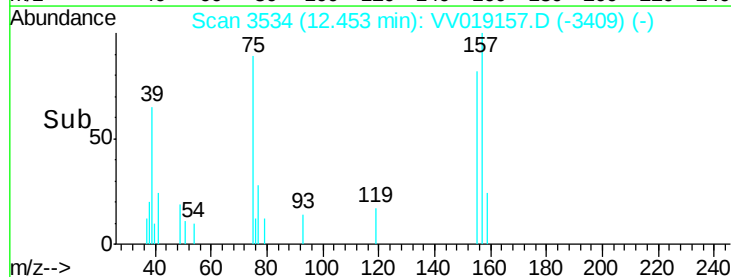
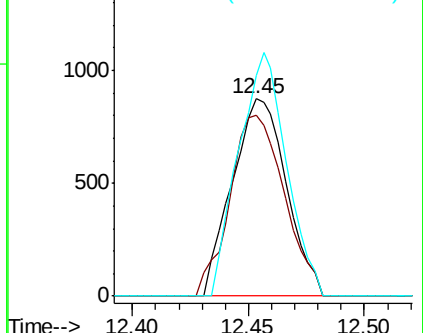
157 112.0 90.5 135.7

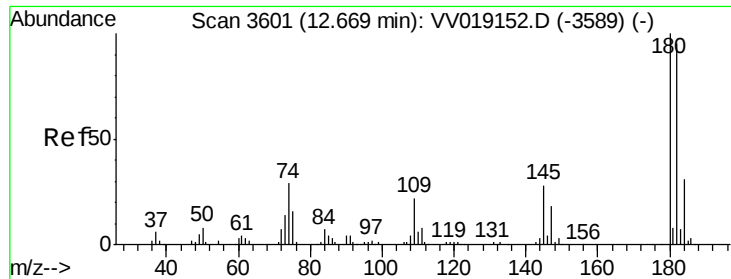


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

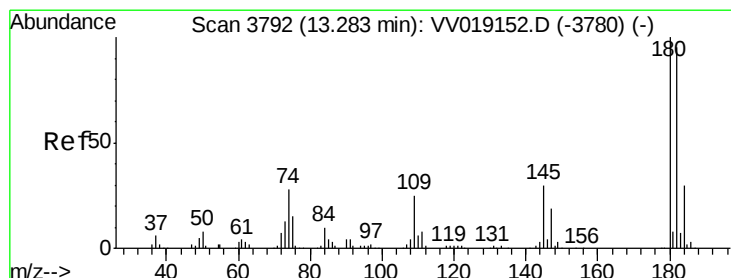
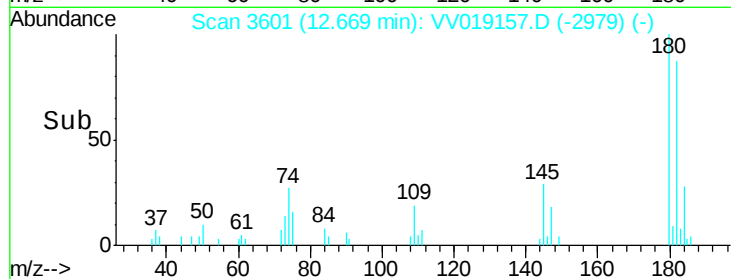
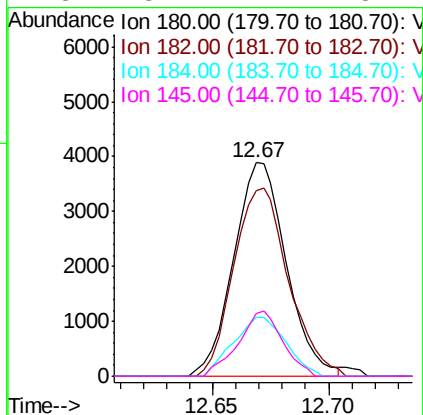
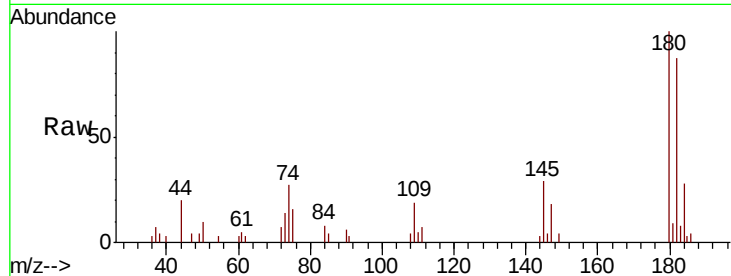




#67
 1,3,5-Trichlorobenzene
 Concen: 2.291 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

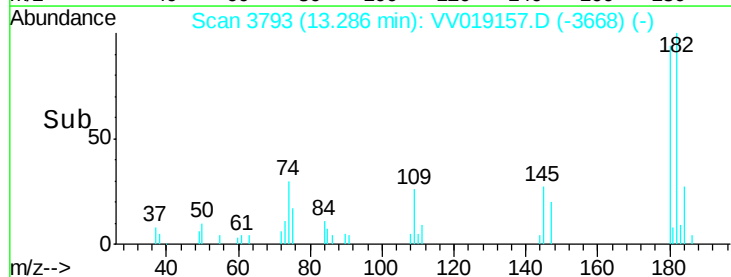
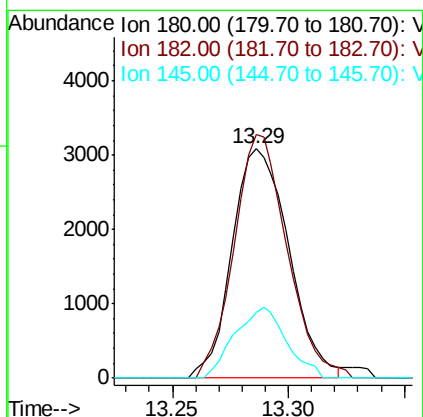
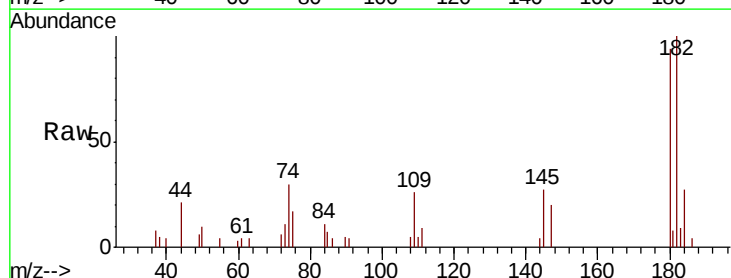
Instrument :
 MSVOA_V
 ClientSampleId :

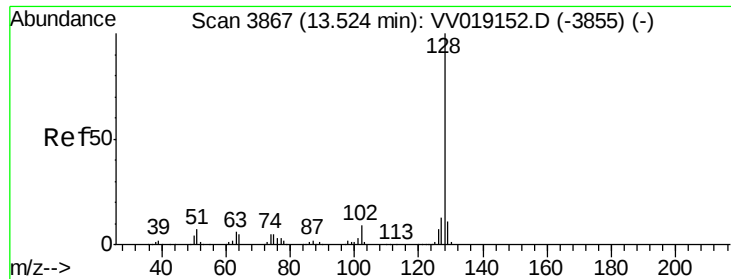
Tot Ion:180 Resp: 6148
 Ion Ratio Lower Upper
 180 100
 182 91.3 76.1 114.1
 184 27.6 24.5 36.7
 145 25.7 22.7 34.1



#68
 1,2,4-trichlorobenzene
 Concen: 2.085 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion:180 Resp: 5241
 Ion Ratio Lower Upper
 180 100
 182 99.4 75.8 113.6
 145 28.0 22.6 34.0





#69

Naphthalene

Concen: 1.834 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

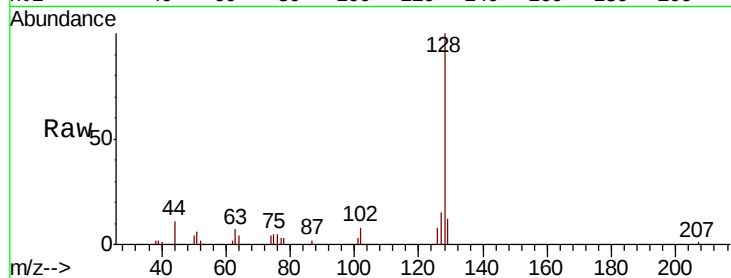
Tot Ion:128 Resp: 12914

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

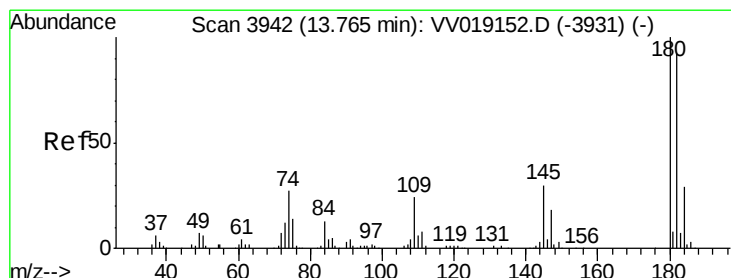
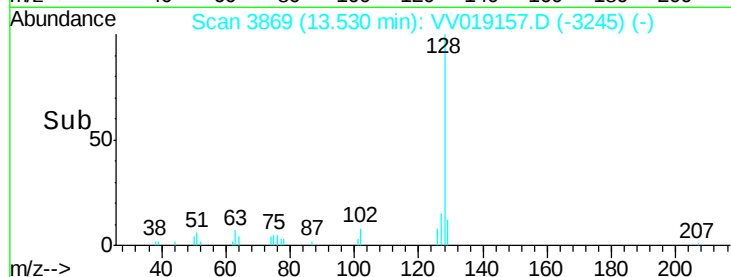
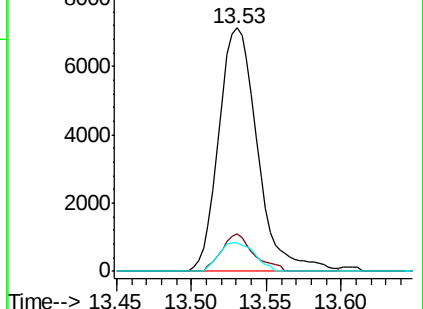
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.212 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

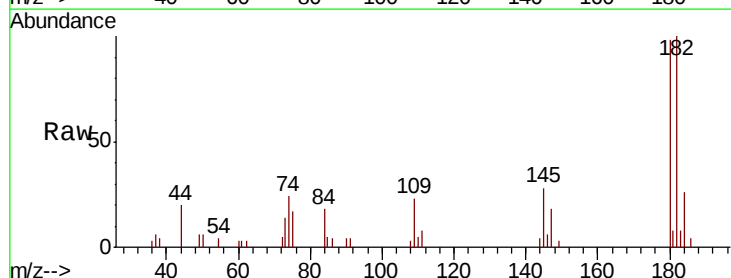
Tgt Ion:180 Resp: 5441

Ion Ratio Lower Upper

180 100

182 97.9 76.2 114.4

145 27.9 25.1 37.7



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

