

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019155.D
 Acq On : 29 Oct 2020 19:13
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:38:50 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	240097	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	228860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89777	47.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.10%
7) Chloroethane-d5	1.58	69	71506	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.48%
11) 1,1-Dichloroethene-d2	2.12	63	131836	36.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.64%
21) 2-Butanone-d5	3.91	46	117431	100.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.49%
24) Chloroform-d	4.37	84	168145	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.05	65	121749	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.07	84	323198	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.09	67	98376	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.33	98	295850	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%
43) trans-1,3-Dichloropropene-	7.64	79	54665	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
47) 2-Hexanone-d5	8.10	63	81669	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126845	48.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	124453	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4155	1.971	ug/L	96
3) Chloromethane	1.25	50	4194	2.191	ug/L	98
5) Vinyl chloride	1.32	62	4471	2.281	ug/L #	68
6) Bromomethane	1.53	94	2850	2.171	ug/L	94
8) Chloroethane	1.60	64	3130	2.568	ug/L	89
9) Trichlorofluoromethane	1.76	101	6566	2.010	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4020	2.557	ug/L #	79
12) 1,1-Dichloroethene	2.13	96	4095	2.660	ug/L #	1
13) Acetone	2.19	43	4443	4.092	ug/L	74
14) Carbon disulfide	2.31	76	11376	2.324	ug/L	96
15) Methyl Acetate	2.45	43	3721	2.127	ug/L	97
16) Methylene chloride	2.53	84	4326	2.474	ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	3576	2.162	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	11299	2.040	ug/L	97
19) 1,1-Dichloroethane	3.21	63	6538	2.122	ug/L #	97
20) cis-1,2-Dichloroethene	3.94	96	3599	1.983	ug/L	99
23) Bromochloromethane	4.28	128	1688	1.733	ug/L	97

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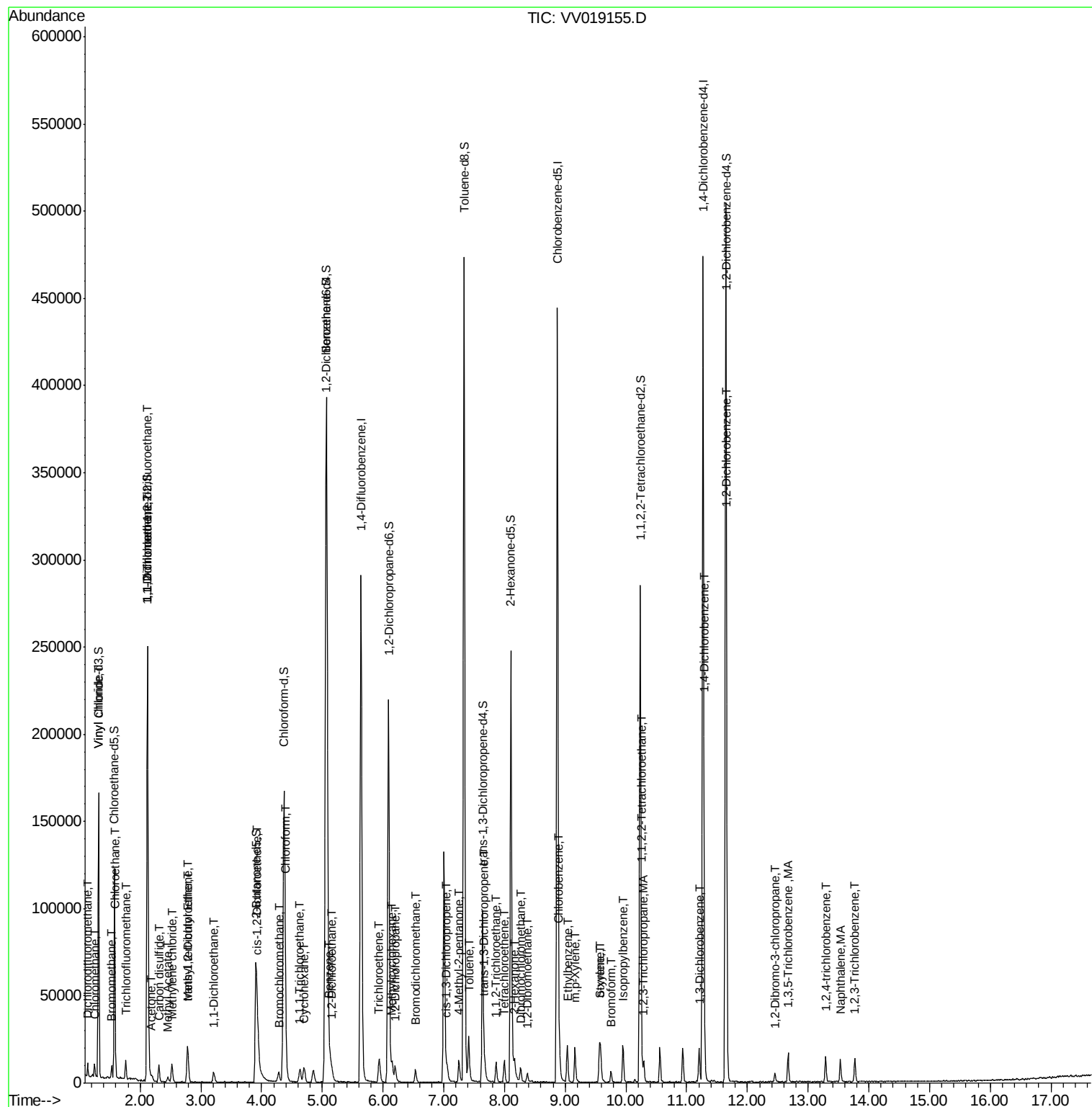
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8380	2.517	uq/L	98
27) 1,2-Dichloroethane	5.16	62	6028	2.127	uq/L	98
29) Cyclohexane	4.70	56	4561	1.785	uq/L	95
30) 1,1,1-Trichloroethane	4.63	97	6586	2.124	uq/L	98
33) Benzene	5.13	78	14029	2.126	uq/L	100
34) Trichloroethene	5.94	95	3871	2.141	uq/L	93
35) Methylcyclohexane	6.15	83	4490	1.840	uq/L	94
37) 1,2-Dichloropropane	6.20	63	3583	2.186	uq/L #	89
38) Bromodichloromethane	6.53	83	5134	2.106	uq/L	96
39) cis-1,3-Dichloropropene	7.05	75	5444	2.011	uq/L	94
40) 4-Methyl-2-pentanone	7.25	43	8268	3.657	uq/L	99
42) Toluene	7.41	91	18735	2.590	uq/L	96
44) trans-1,3-Dichloropropene	7.67	75	5944	2.111	uq/L	91
45) 1,1,2-Trichloroethane	7.86	97	3559	2.166	uq/L	96
46) Tetrachloroethene	8.00	164	3109	2.014	uq/L	93
48) 2-Hexanone	8.16	43	8343	4.643	uq/L #	96
49) Dibromochloromethane	8.27	129	3826	1.923	uq/L	94
50) 1,2-Dibromoethane	8.38	107	3743	2.135	uq/L #	91
51) Chlorobenzene	8.90	112	9756	2.057	uq/L	97
52) Ethylbenzene	9.04	91	14626	1.835	uq/L	97
53) m,p-Xylene	9.16	106	5506	1.829	uq/L	98
54) o-xylene	9.57	106	5190	1.796	uq/L	81
55) Styrene	9.59	104	8793	1.716	uq/L	91
56) Isopropylbenzene	9.95	105	13126	1.690	uq/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	5348	2.137	uq/L	95
59) 1,2,3-Trichloropropane	10.29	75	4380	2.045	uq/L	98
61) Bromoform	9.76	173	3158	2.148	uq/L #	92
62) 1,3-Dichlorobenzene	11.20	146	7629	2.030	uq/L	95
63) 1,4-Dichlorobenzene	11.29	146	8859	2.268	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	7744	2.080	uq/L #	91
66) 1,2-Dibromo-3-chloropropan	12.46	75	1181	1.854	uq/L #	71
67) 1,3,5-Trichlorobenzene	12.67	180	5379	1.944	uq/L	96
68) 1,2,4-trichlorobenzene	13.29	180	4869	1.878	uq/L	98
69) Naphthalene	13.53	128	10785	1.485	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4828	1.903	uq/L	98

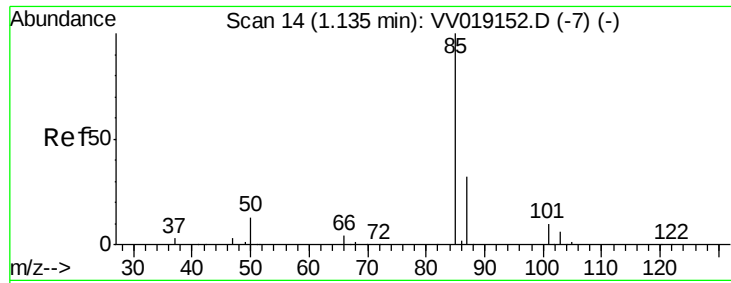
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.971 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

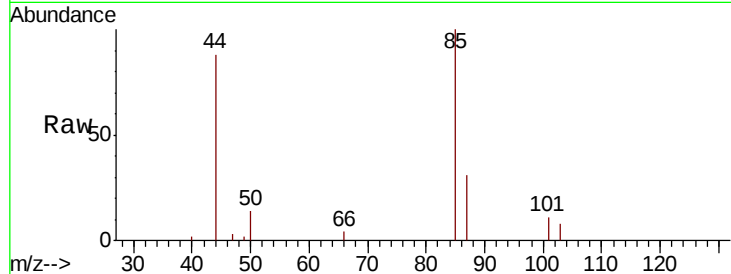
ClientSampleId :

Tot Ion: 85 Resp: 4155

Ion Ratio Lower Upper

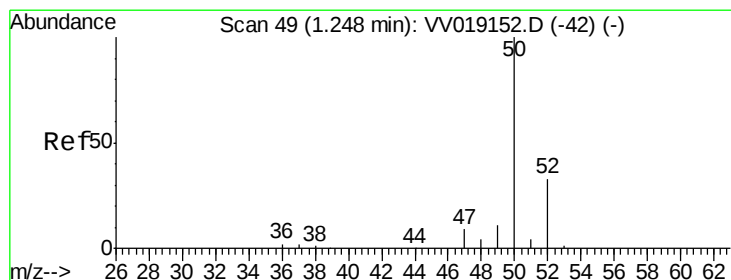
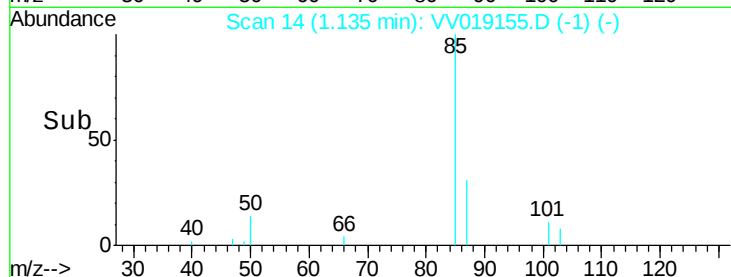
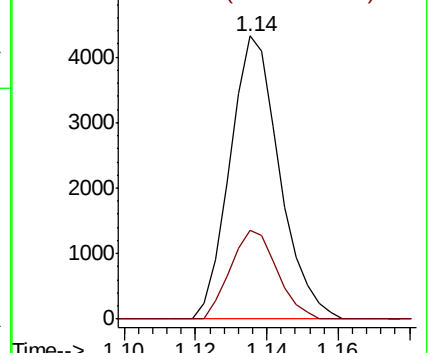
85 100

87 29.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.191 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019155.D

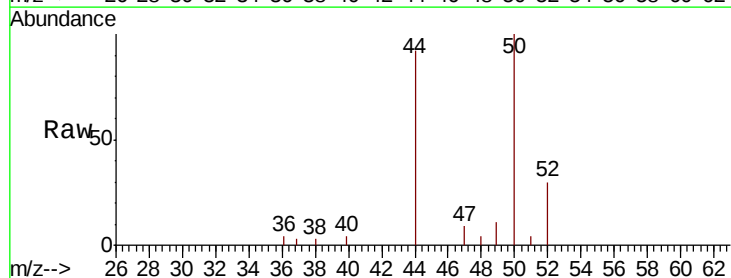
Acq: 29 Oct 2020 19:13

Tgt Ion: 50 Resp: 4194

Ion Ratio Lower Upper

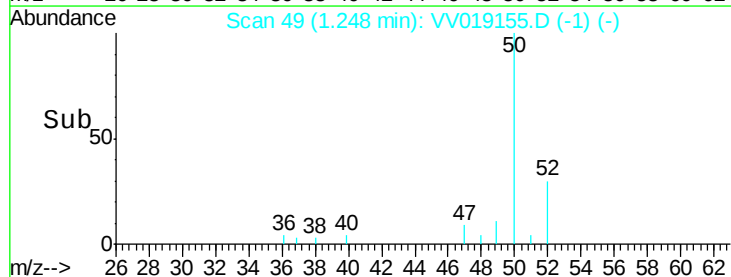
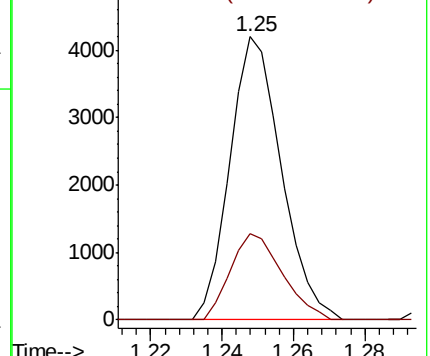
50 100

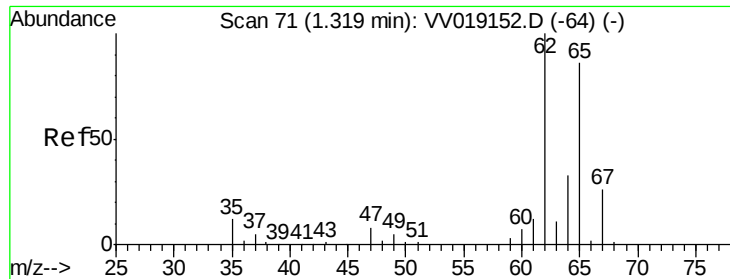
52 30.4 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

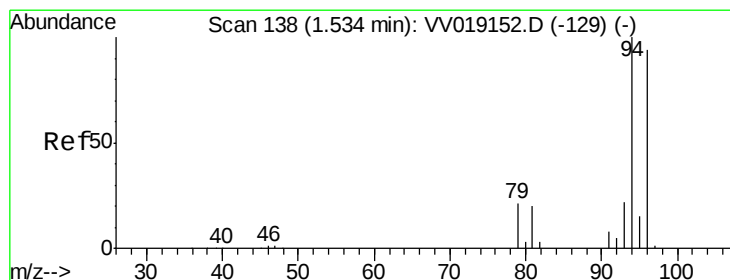
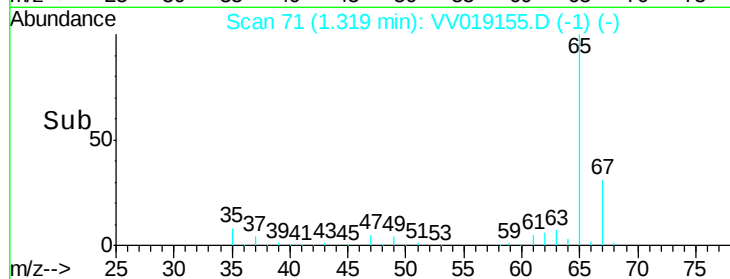
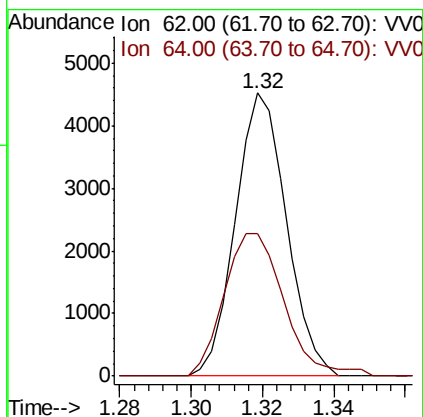
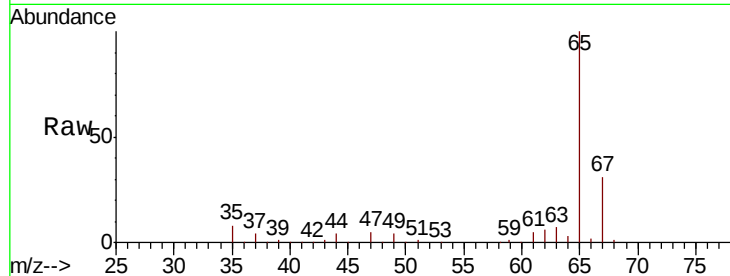




#5
 Vinyl chloride
 Concen: 2.281 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

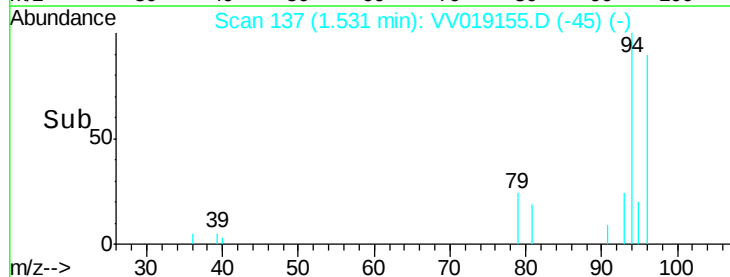
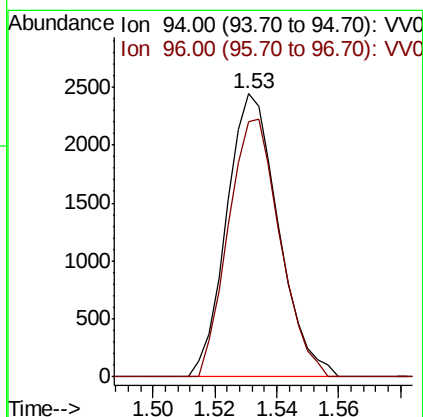
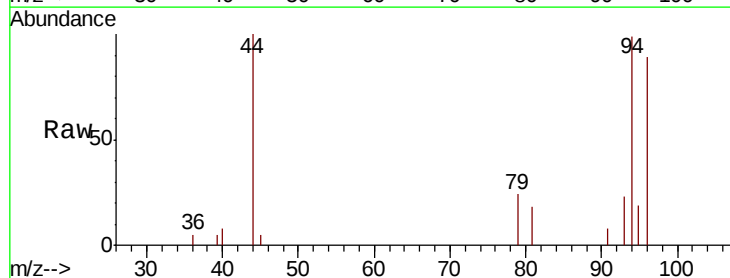
Instrument :
 MSVOA_V
 ClientSampled :

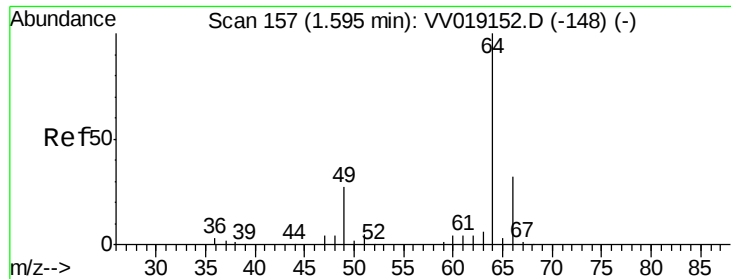
Tot Ion: 62 Resp: 4471
 Ion Ratio Lower Upper
 62 100
 64 50.4 22.7 42.3#



#6
 Bromomethane
 Concen: 2.171 ug/L
 RT: 1.53 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 94 Resp: 2850
 Ion Ratio Lower Upper
 94 100
 96 90.2 67.0 124.4

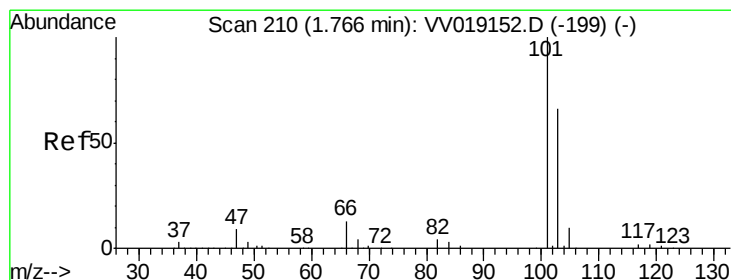
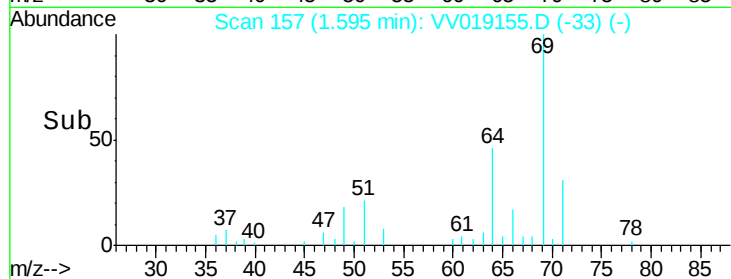
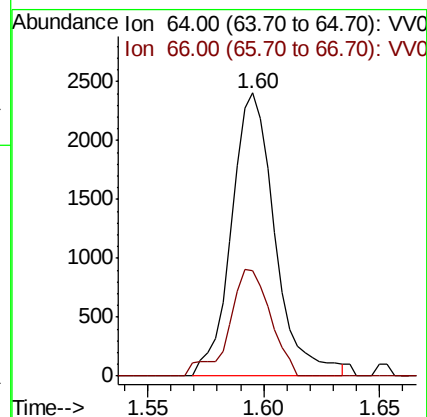
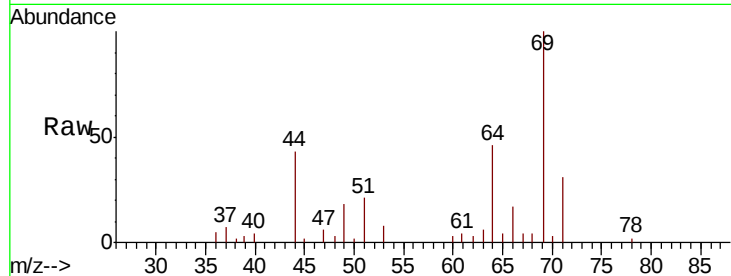




#8
Chloroethane
Concen: 2.568 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

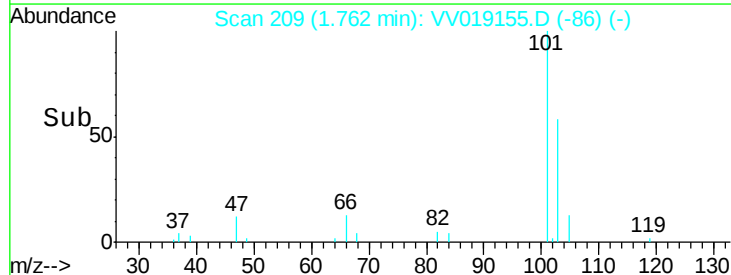
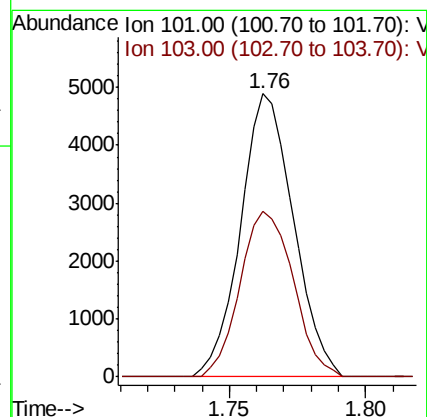
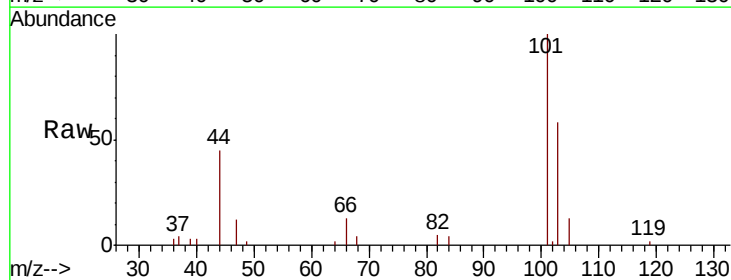
Instrument :
MSVOA_V
ClientSampleId :

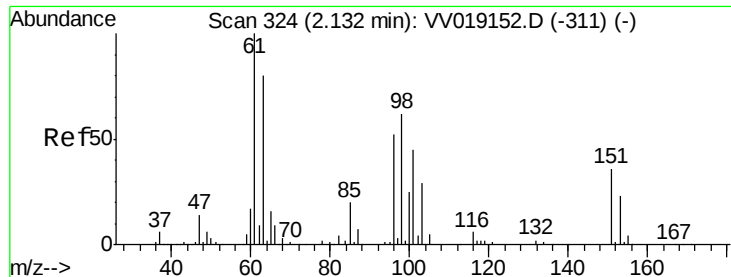
Tot Ion: 64 Resp: 3130
Ion Ratio Lower Upper
64 100
66 37.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.010 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion:101 Resp: 6566
Ion Ratio Lower Upper
101 100
103 58.8 51.9 77.9





#10

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

Concen: 2.557 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

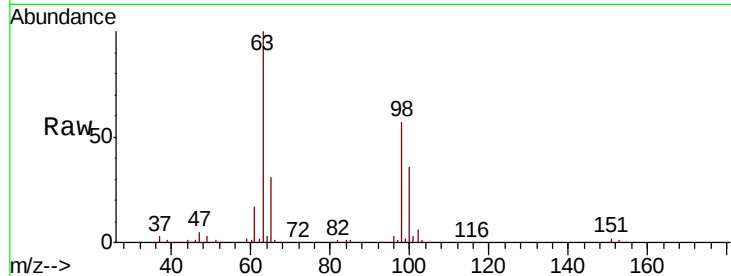
Tot Ion:101 Resp: 4020

Ion Ratio Lower Upper

101 100

85 33.7 36.1 54.1#

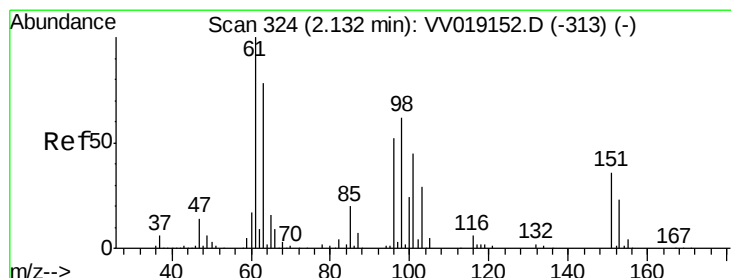
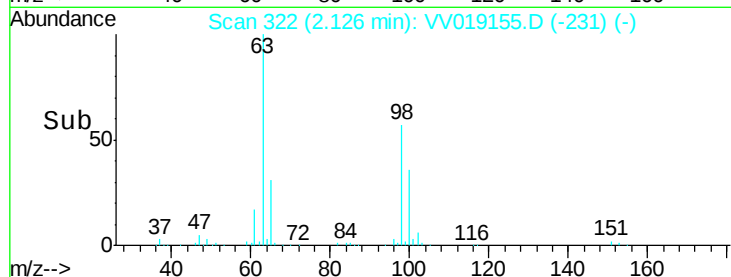
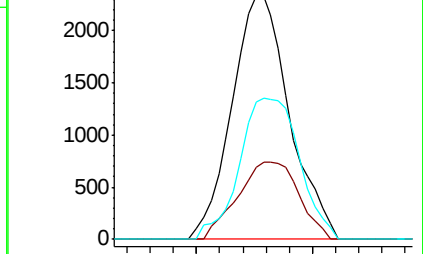
151 60.3 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VV019155.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019155.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019155.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 2.660 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

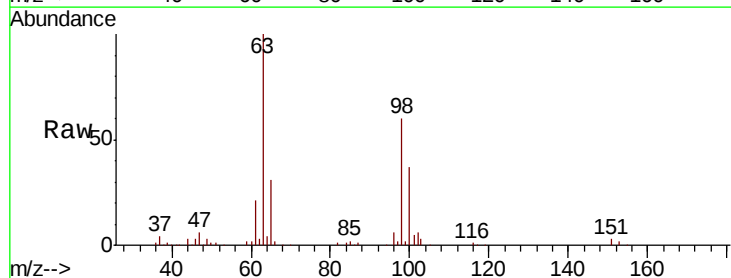
Tgt Ion: 96 Resp: 4095

Ion Ratio Lower Upper

96 100

61 347.3 132.6 246.2#

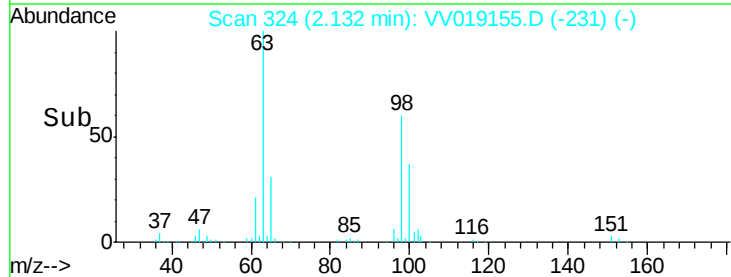
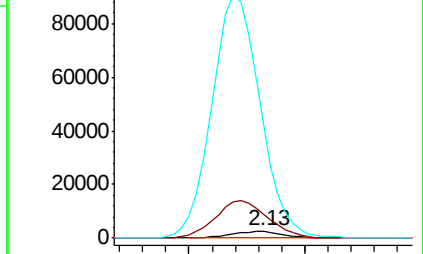
63 1631.4 108.4 201.4#

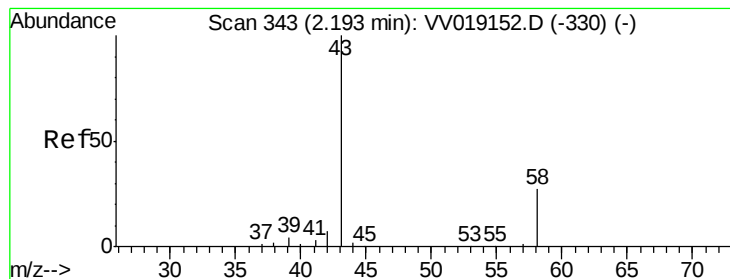


Abundance Ion 96.00 (95.70 to 96.70): VV019155.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019155.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019155.D (-231) (-)





#13

Acetone

Concen: 4.092 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

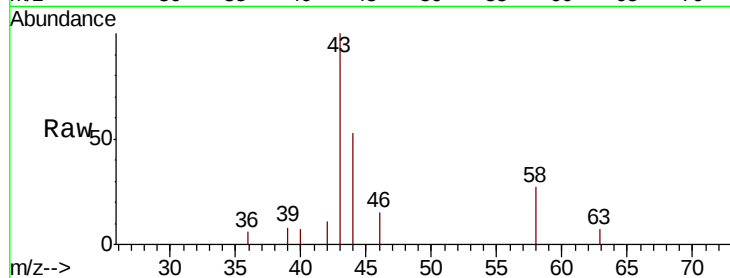
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4443

Ion Ratio Lower Upper

43 100

58 15.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019155.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019155.D (-250) (-)

2.19

1500

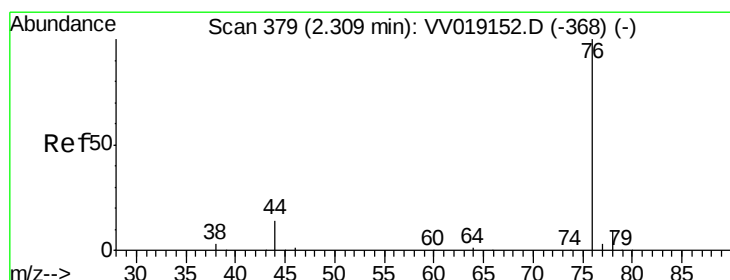
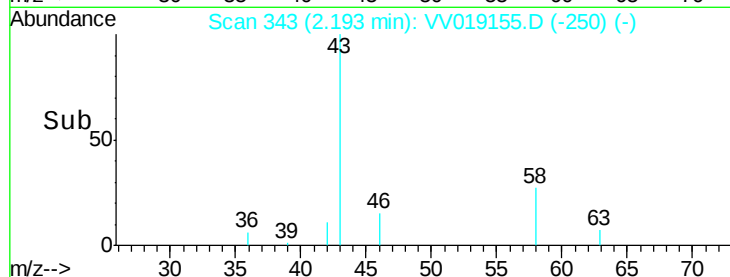
1000

500

200

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 2.324 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019155.D

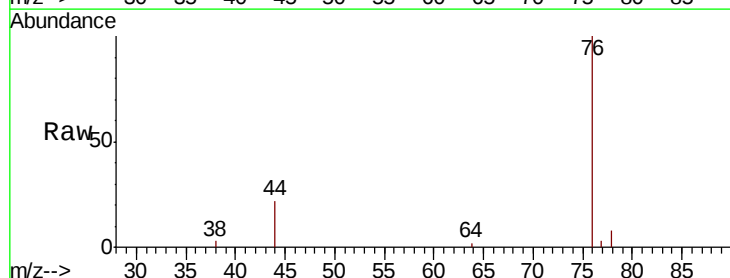
Acq: 29 Oct 2020 19:13

Tgt Ion: 76 Resp: 11376

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019155.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019155.D (-286) (-)

2.31

8000

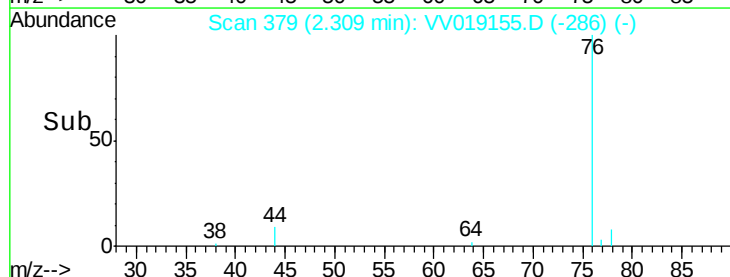
6000

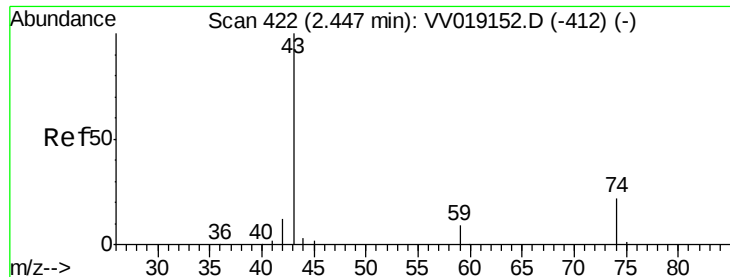
4000

2000

0

Time--> 2.25 2.30 2.35

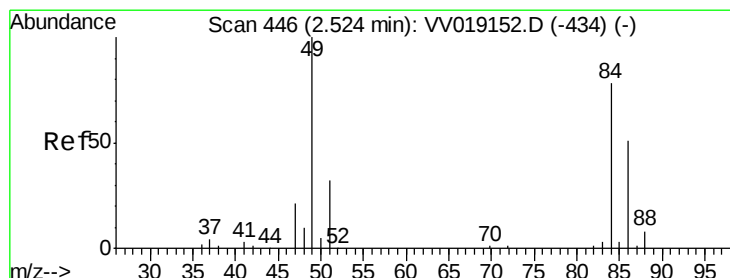
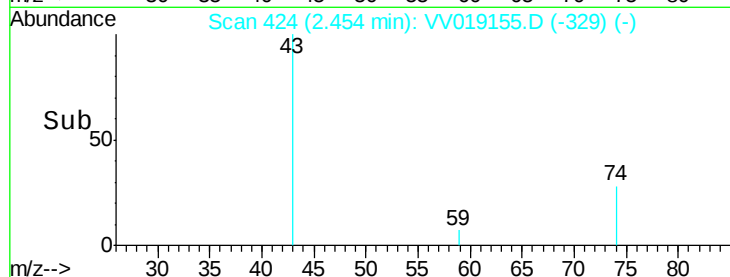
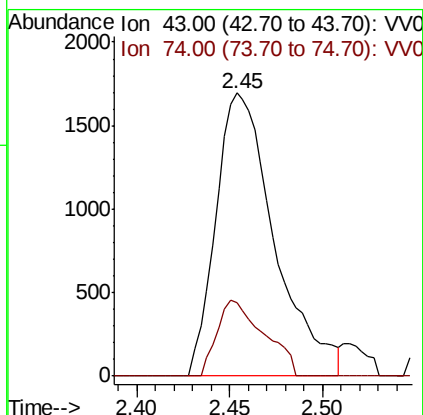
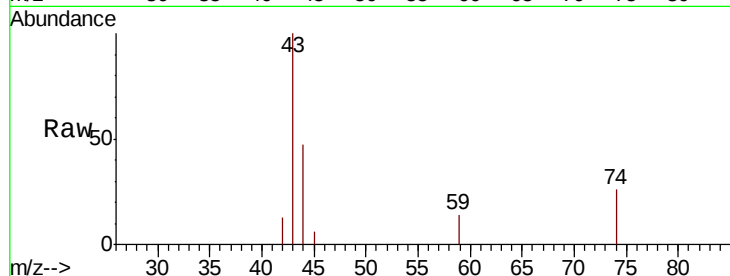




#15
Methvl Acetate
Concen: 2.127 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

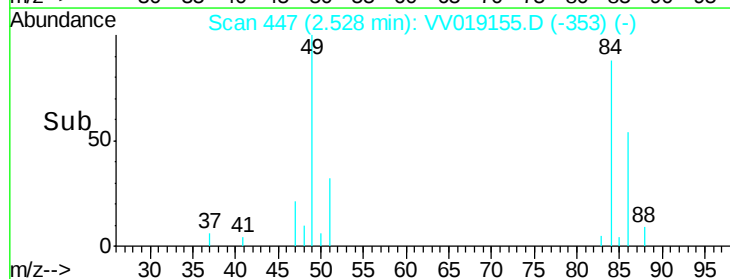
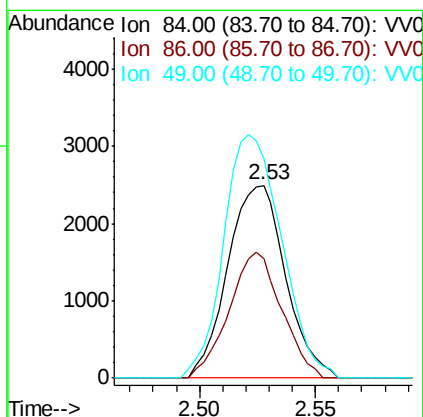
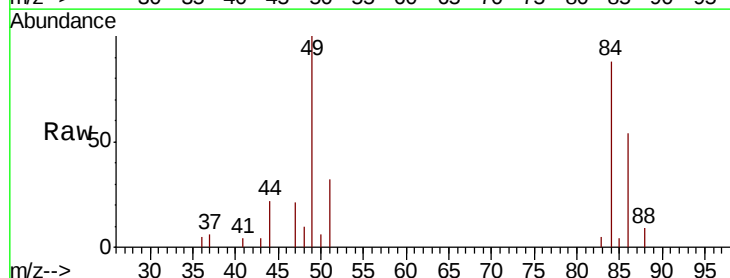
Instrument :
MSVOA_V
ClientSampleId :

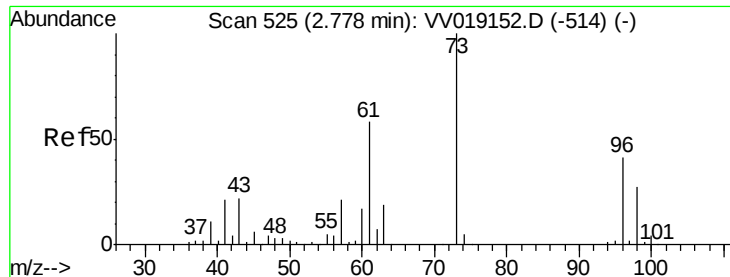
Tot Ion: 43 Resp: 3721
Ion Ratio Lower Upper
43 100
74 21.5 18.4 27.6



#16
Methylene chloride
Concen: 2.474 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion: 84 Resp: 4326
Ion Ratio Lower Upper
84 100
86 61.8 46.0 85.4
49 113.6 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.162 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampled :

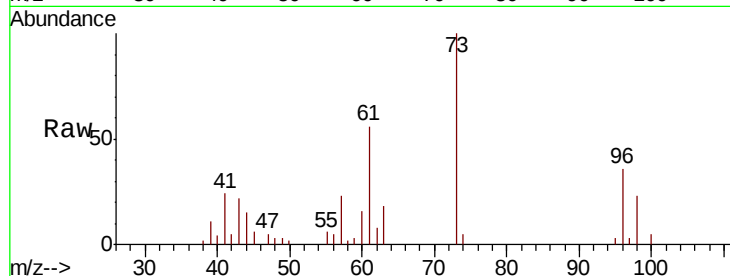
Tot Ion: 96 Resp: 3576

Ion Ratio Lower Upper

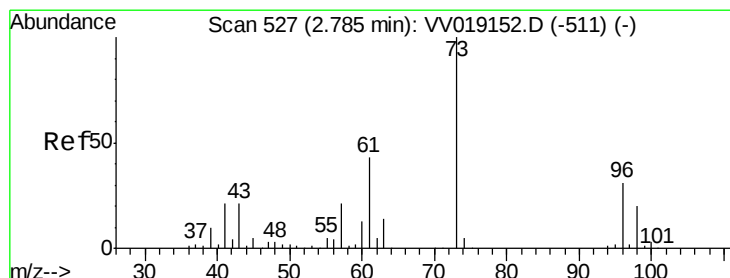
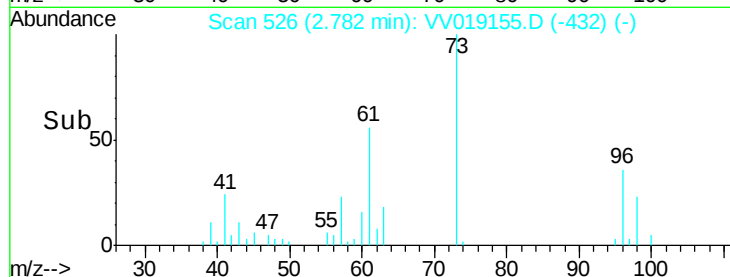
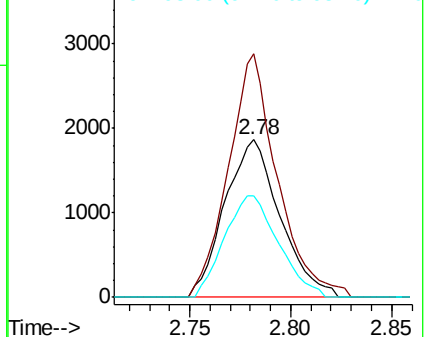
96 100

61 154.7 102.4 190.2

98 64.4 45.9 85.3



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: 2.040 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

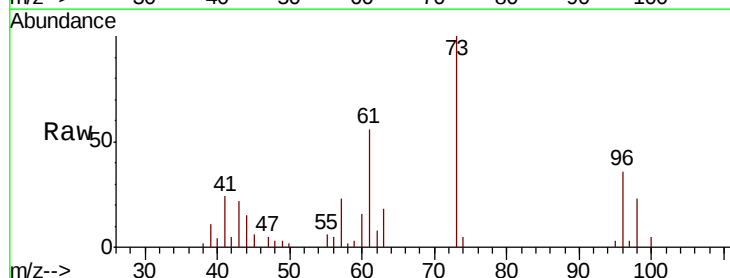
Tgt Ion: 73 Resp: 11299

Ion Ratio Lower Upper

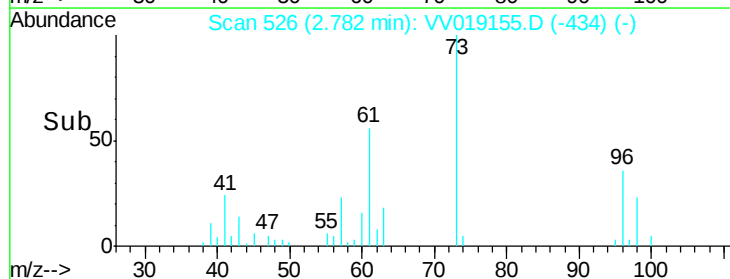
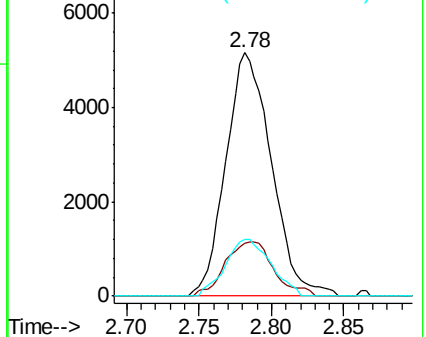
73 100

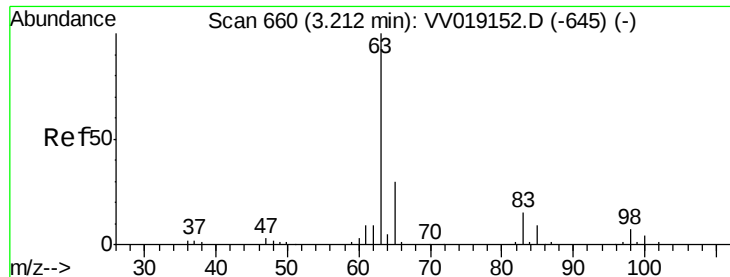
43 23.2 17.9 26.9

57 23.1 17.1 25.7



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

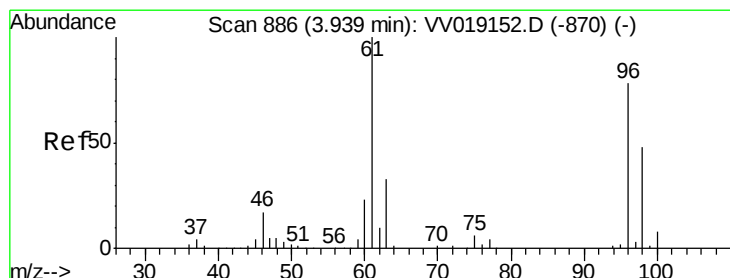
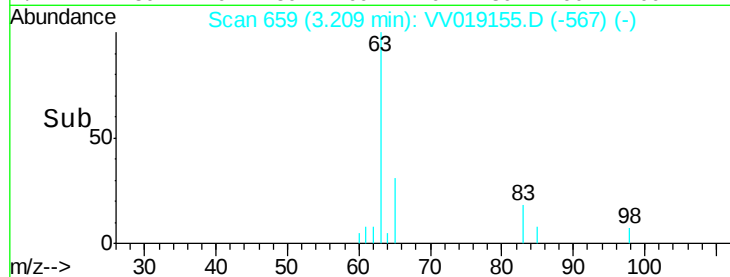
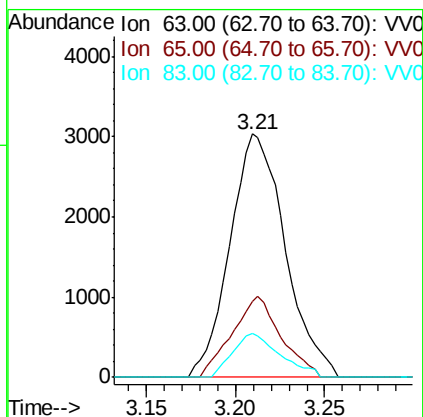
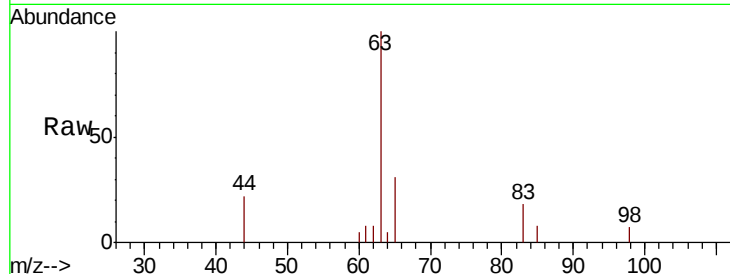




#19
 1,1-Dichloroethane
 Concen: 2.122 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

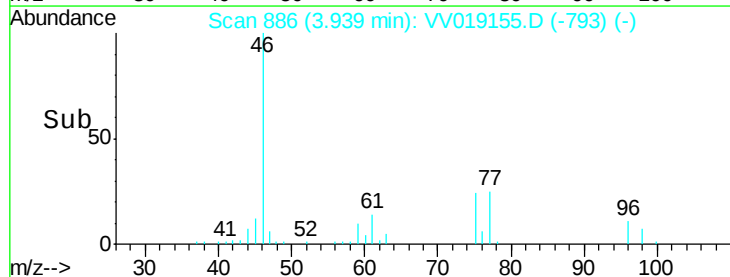
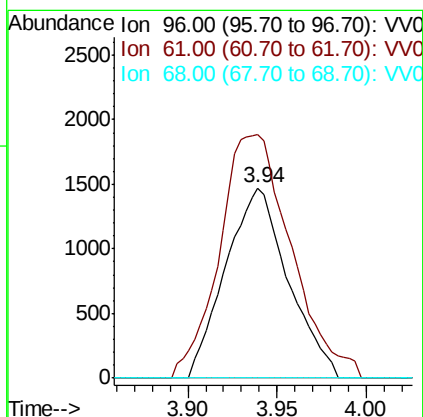
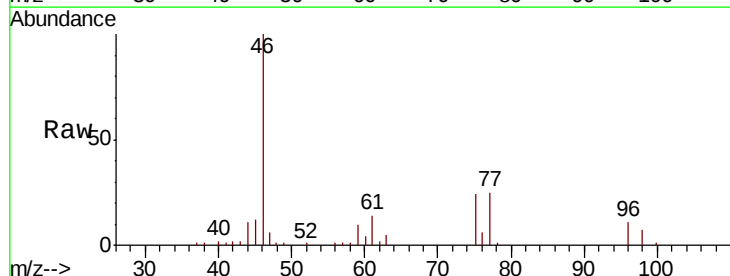
Instrument :
 MSVOA_V
 ClientSampleId :

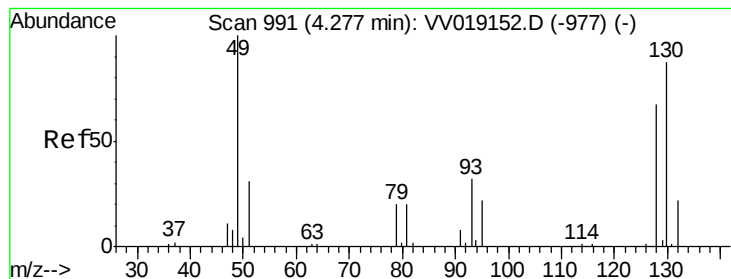
Tot Ion: 63 Resp: 6538
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 40.8
 83 17.8 9.6 17.8#



#20
 cis-1,2-Dichloroethene
 Concen: 1.983 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 96 Resp: 3599
 Ion Ratio Lower Upper
 96 100
 61 128.0 90.7 168.5
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 1.733 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1688

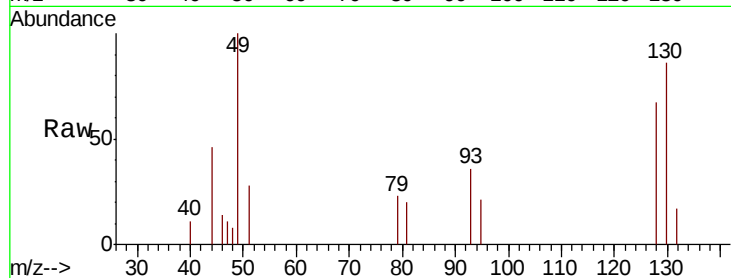
Ion Ratio Lower Upper

128 100

49 150.0 108.5 201.5

130 128.8 90.4 167.8

51 42.5 36.9 55.3

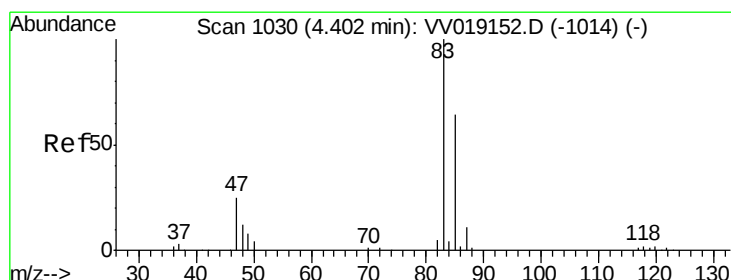
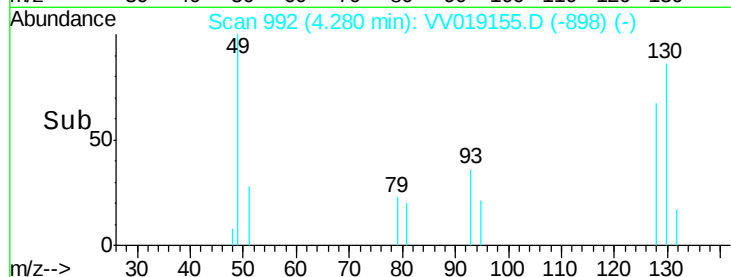
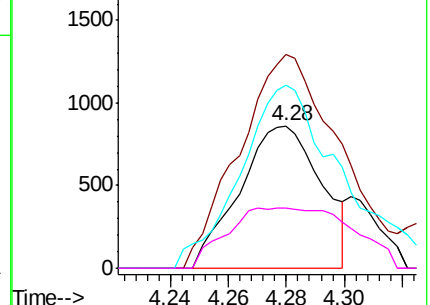


Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.517 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV019155.D

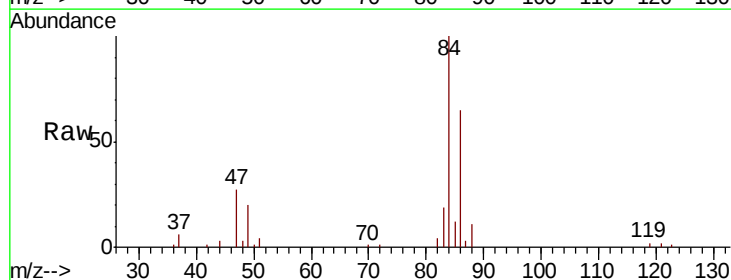
Acq: 29 Oct 2020 19:13

Tgt Ion: 83 Resp: 8380

Ion Ratio Lower Upper

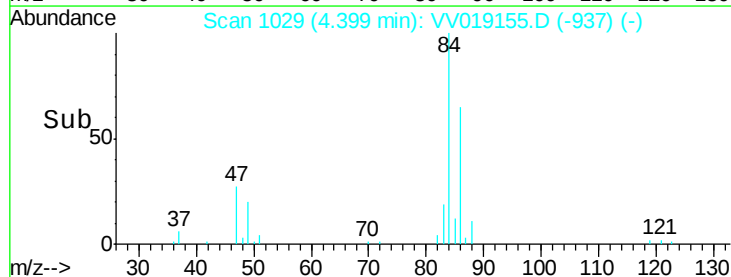
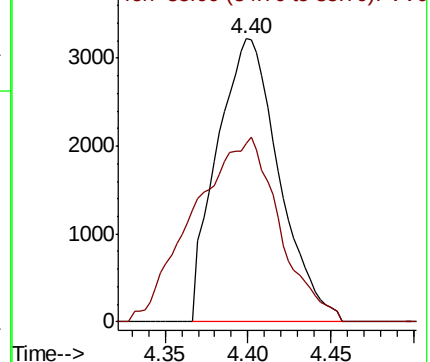
83 100

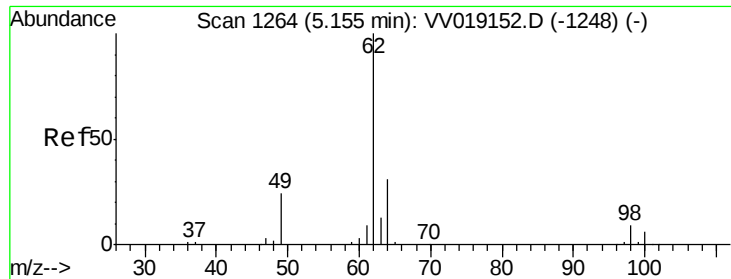
85 63.1 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

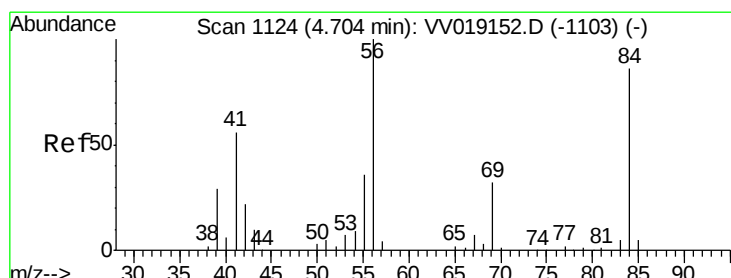
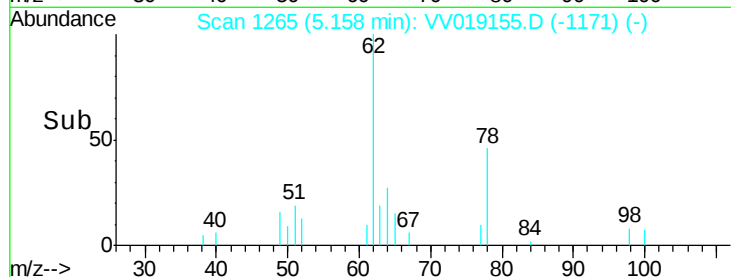
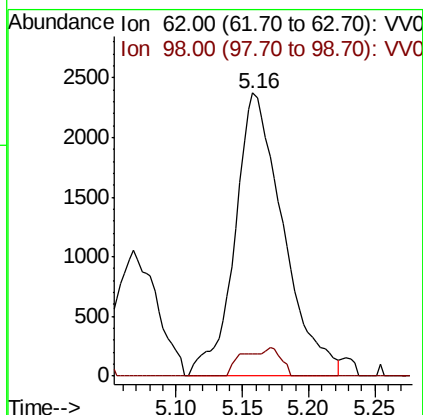
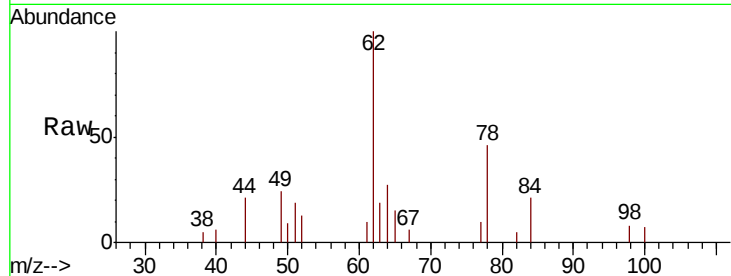




#27
 1,2-Dichloroethane
 Concen: 2.127 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

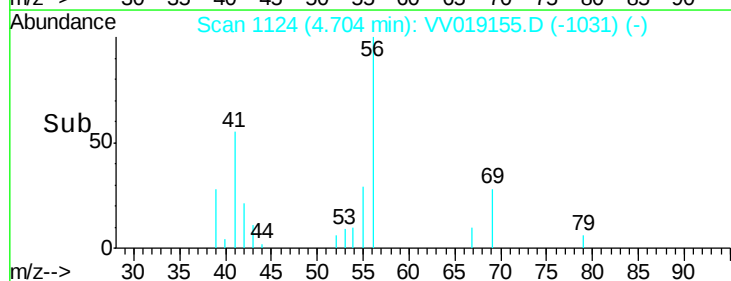
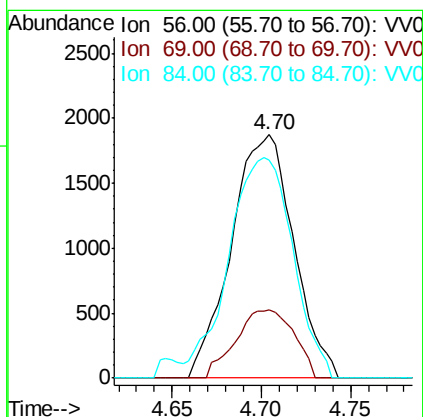
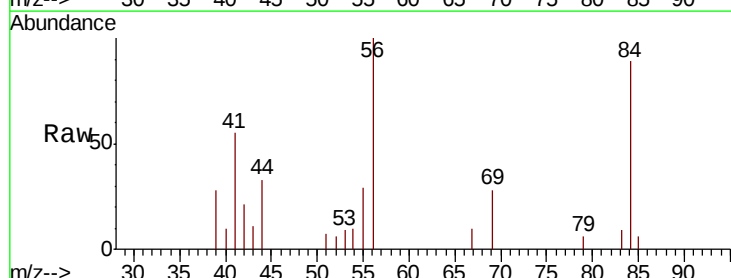
Instrument :
 MSVOA_V
 ClientSampled :

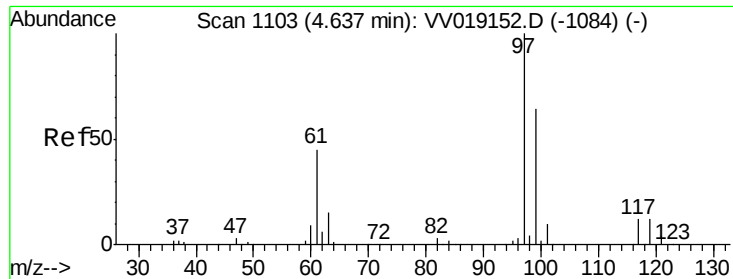
Tot Ion: 62 Resp: 6028
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.8 10.2



#29
 Cyclohexane
 Concen: 1.785 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 56 Resp: 4561
 Ion Ratio Lower Upper
 56 100
 69 26.2 25.0 37.4
 84 93.3 71.5 107.3

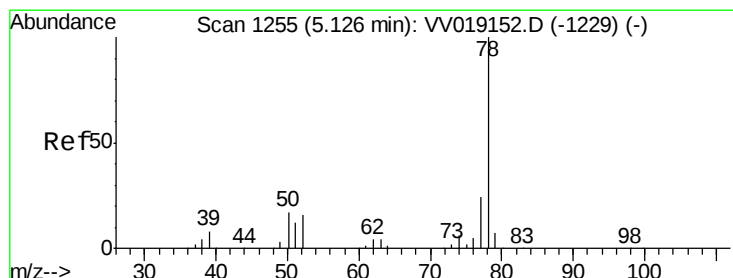
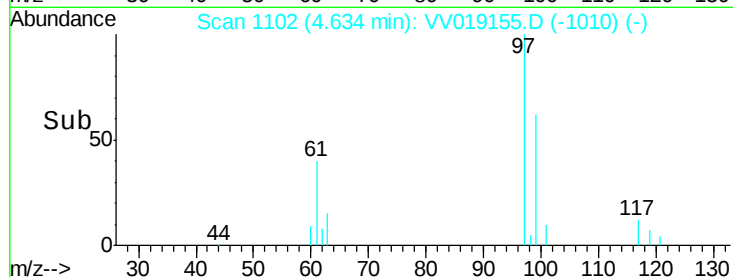
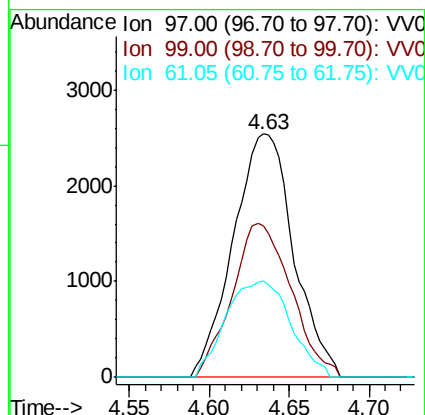
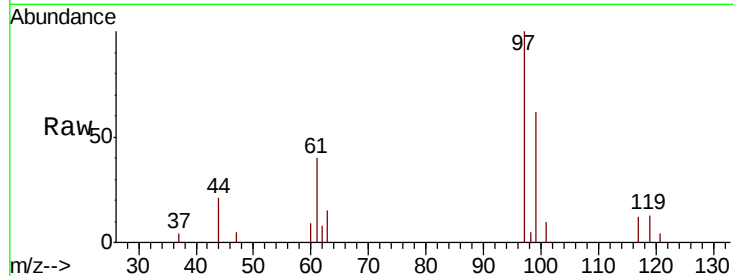




#30
 1,1,1-Trichloroethane
 Concen: 2.124 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

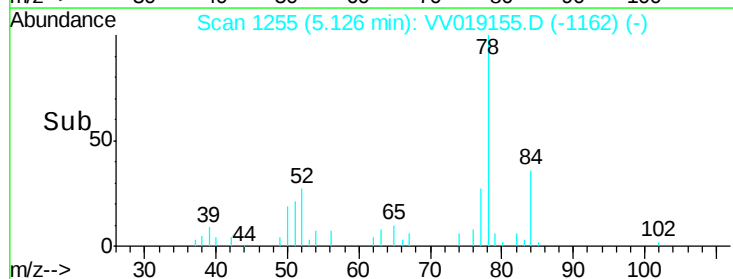
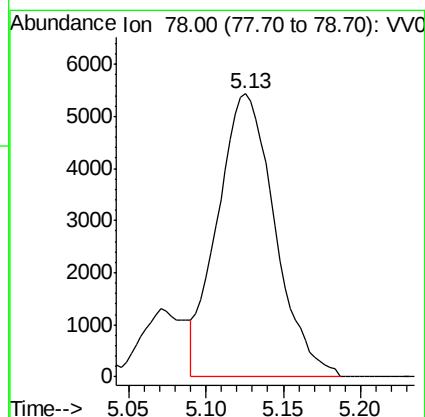
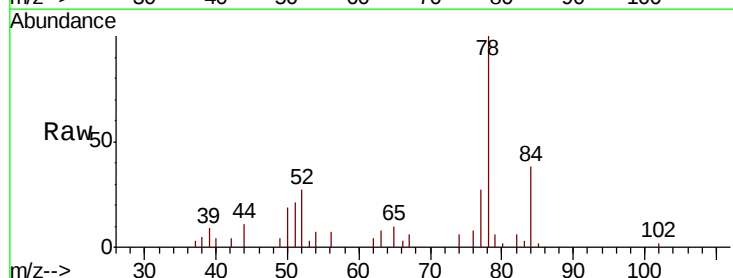
Instrument :
 MSVOA_V
 ClientSampleId :

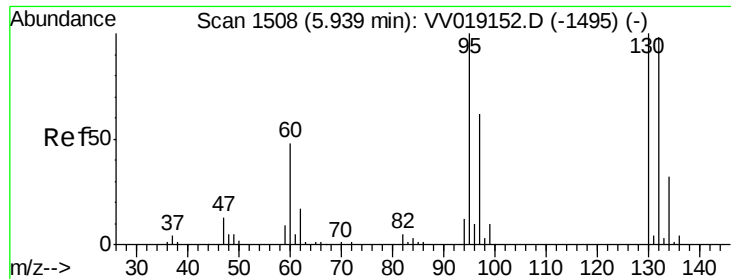
Tot Ion: 97 Resp: 6586
 Ion Ratio Lower Upper
 97 100
 99 61.6 51.3 76.9
 61 42.5 34.6 52.0



#33
 Benzene
 Concen: 2.126 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 78 Resp: 14029

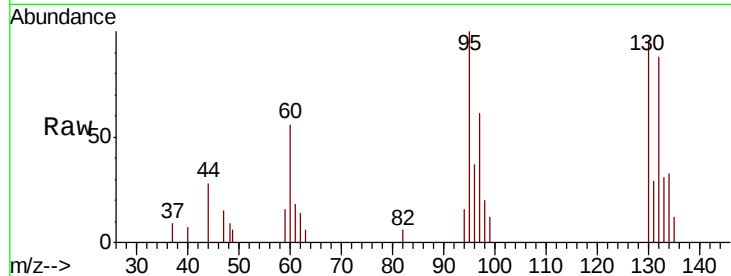




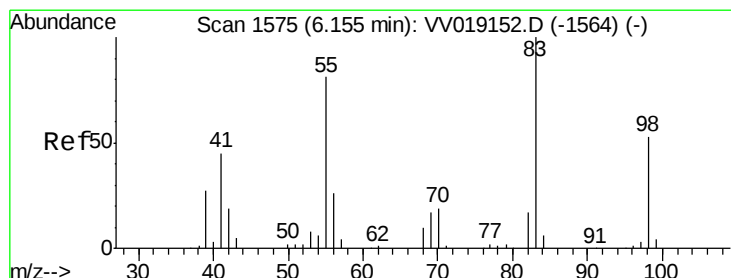
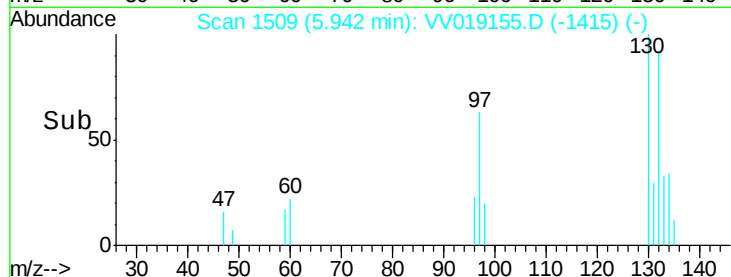
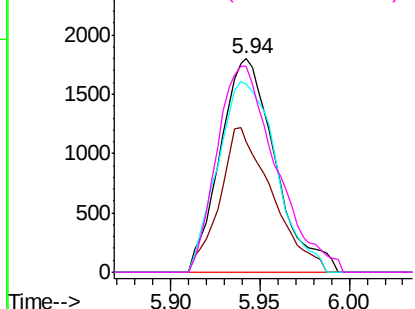
#34
 Trichloroethene
 Concen: 2.141 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3871
 Ion Ratio Lower Upper
 95 100
 97 61.1 43.4 80.6
 132 88.3 69.7 129.4
 130 96.3 72.4 134.5

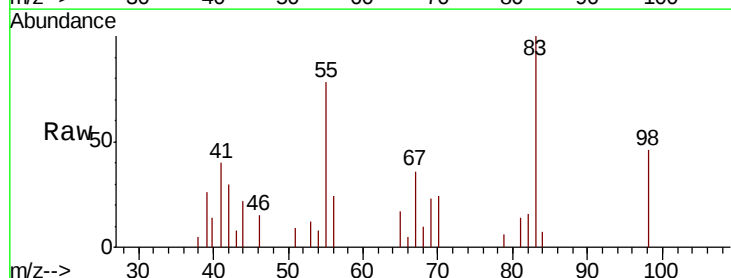


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

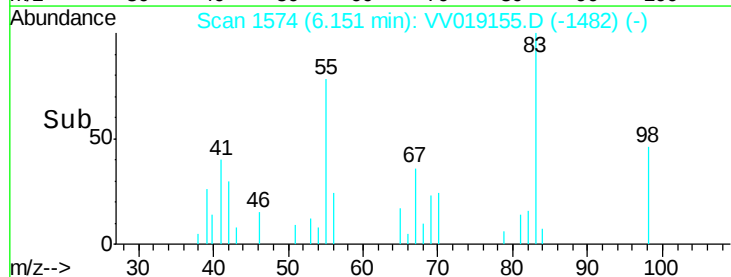
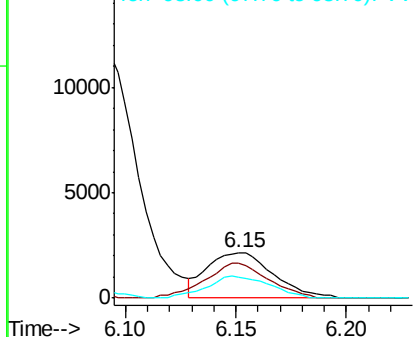


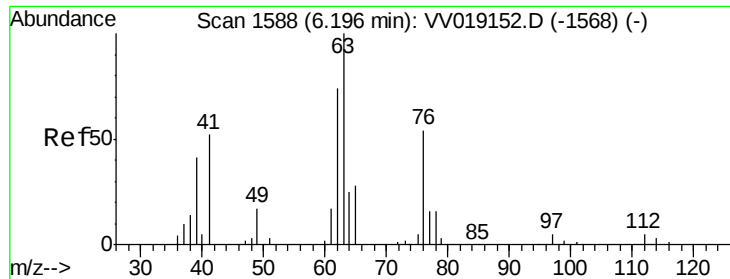
#35
 Methylcyclohexane
 Concen: 1.840 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 83 Resp: 4490
 Ion Ratio Lower Upper
 83 100
 55 73.2 62.2 93.4
 98 45.3 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

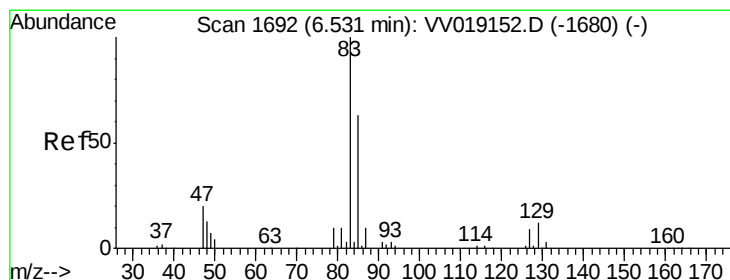
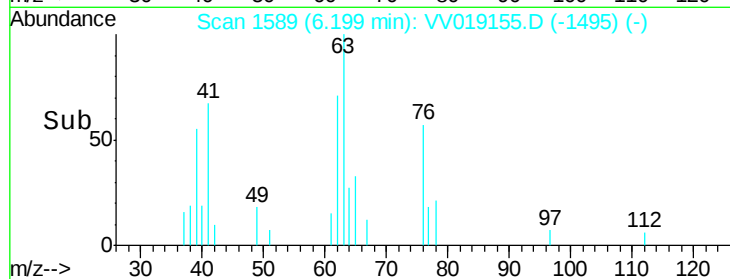
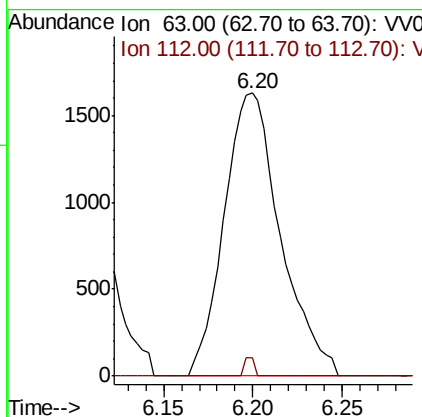
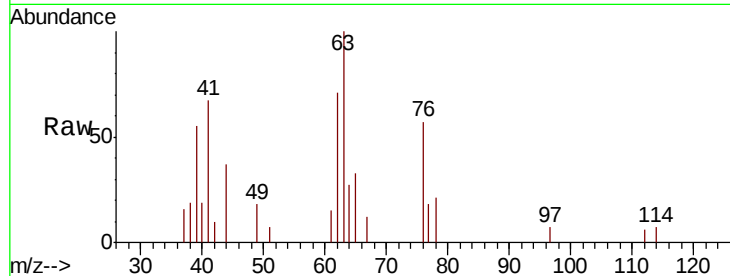




#37
 1,2-Dichloropropane
 Concen: 2.186 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

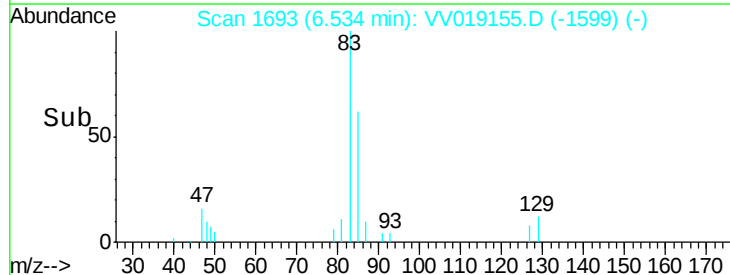
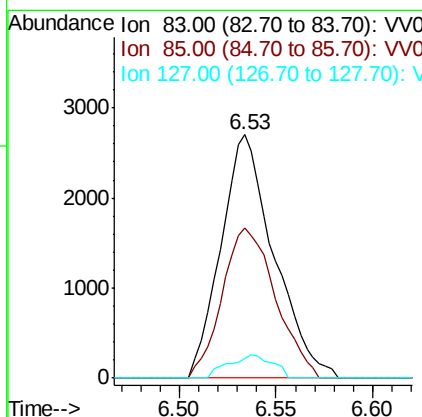
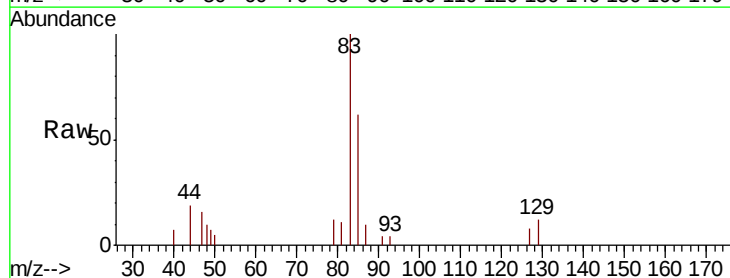
Instrument :
 MSVOA_V
 ClientSampleId :

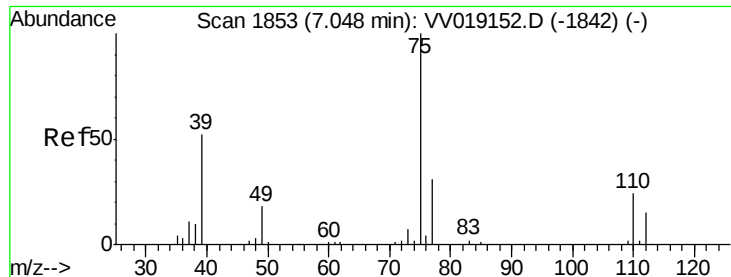
Tot Ion: 63 Resp: 3583
 Ion Ratio Lower Upper
 63 100
 112 1.1 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 2.106 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 83 Resp: 5134
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.9 85.3
 127 8.0 6.9 10.3

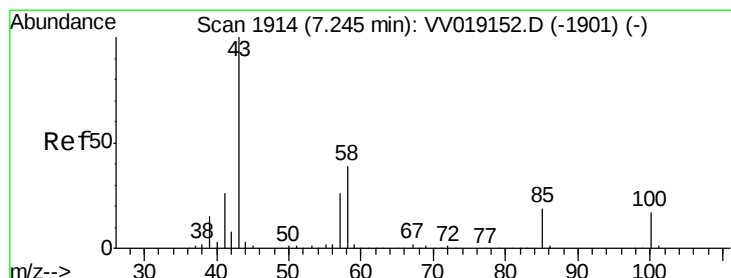
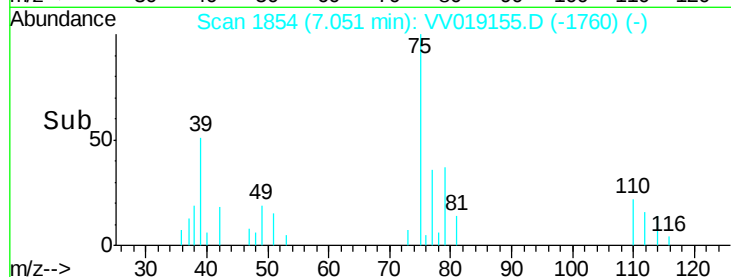
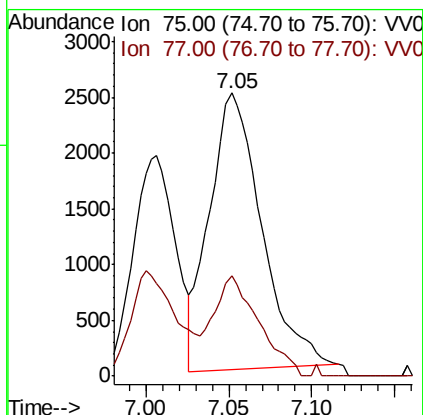
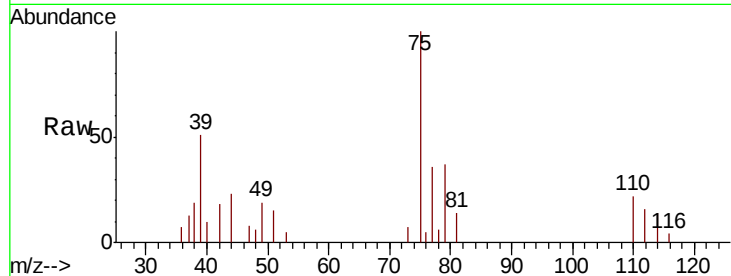




#39
 cis-1,3-Dichloropropene
 Concen: 2.011 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

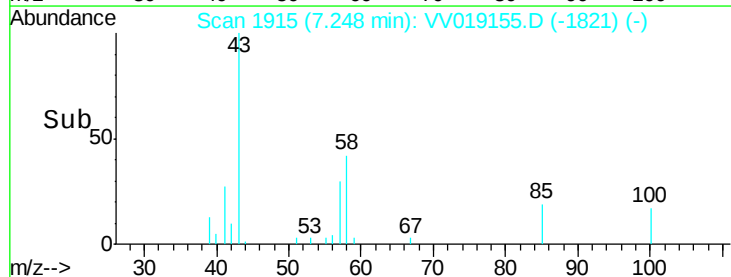
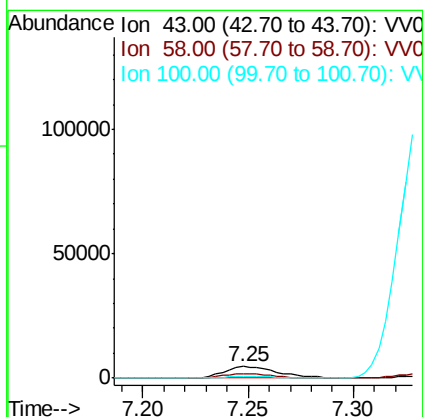
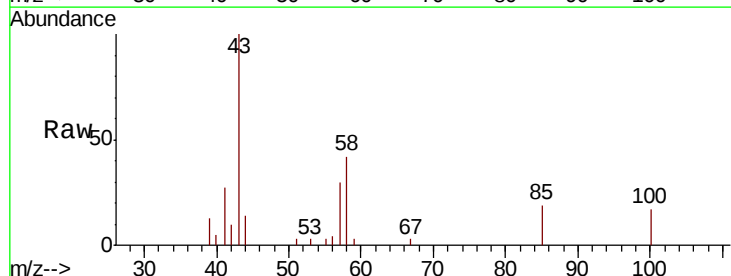
Instrument :
 MSVOA_V
 ClientSampleId :

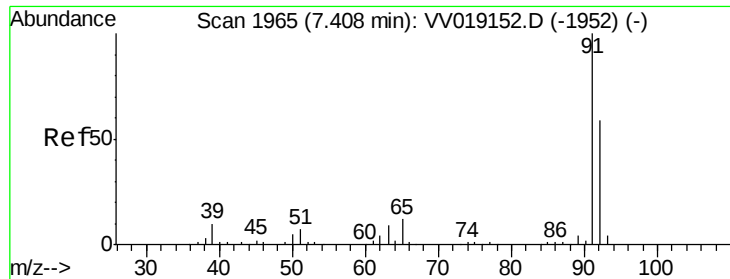
Tot Ion: 75 Resp: 5444
 Ion Ratio Lower Upper
 75 100
 77 35.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 3.657 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 43 Resp: 8268
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 15.6 13.2 19.8





#42

Toluene

Concen: 2.590 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

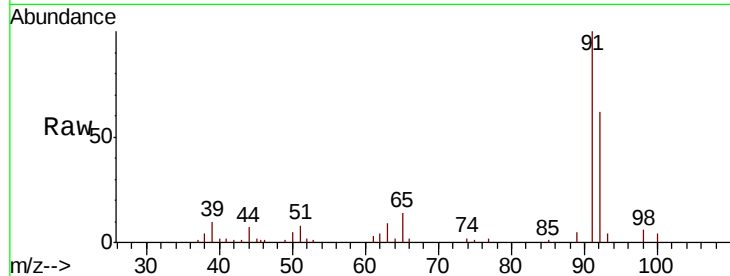
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 18735

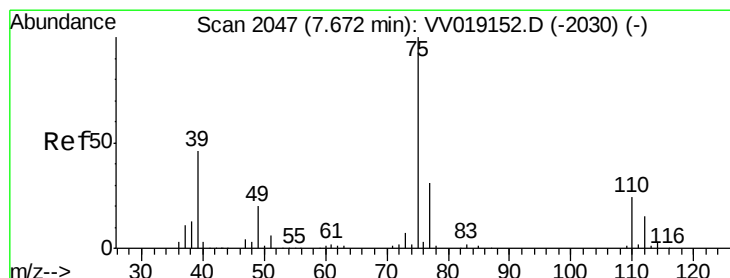
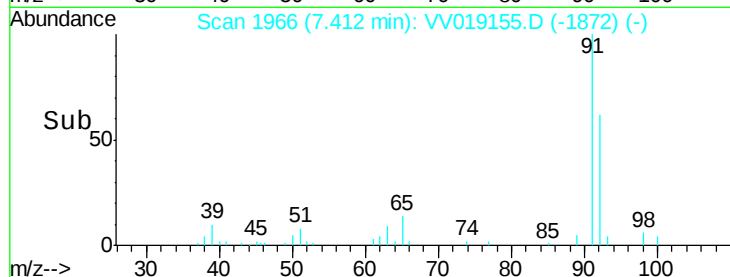
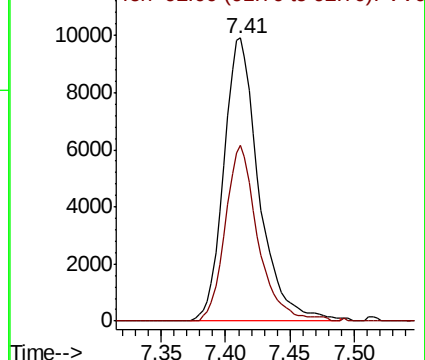
Ion Ratio Lower Upper

91 100

92 62.3 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.111 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV019155.D

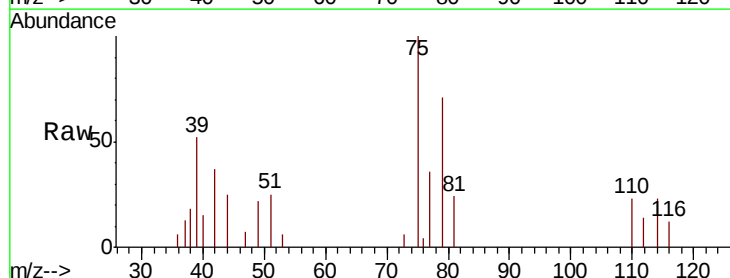
Acq: 29 Oct 2020 19:13

Tgt Ion: 75 Resp: 5944

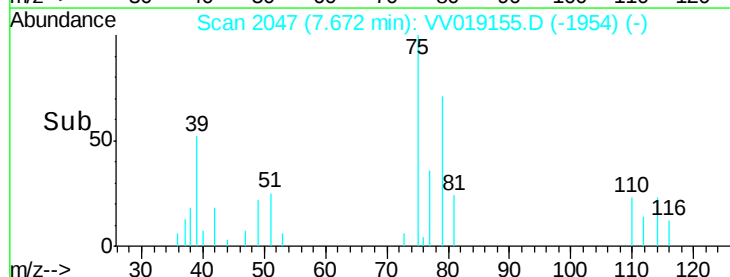
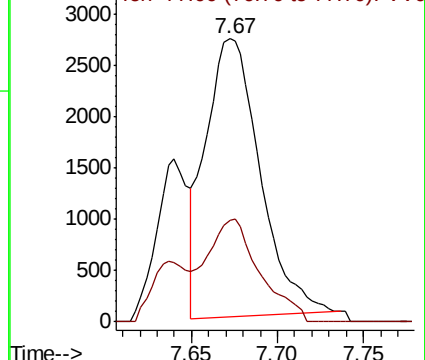
Ion Ratio Lower Upper

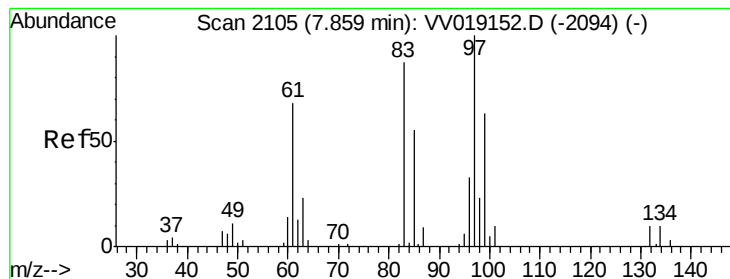
75 100

77 36.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 2.166 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 3559

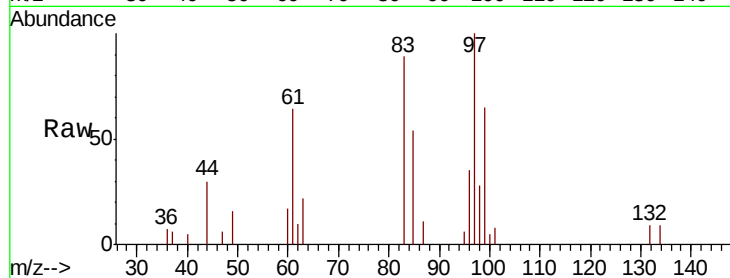
Ion Ratio Lower Upper

97 100

99 65.0 43.1 80.1

83 88.6 58.3 108.3

85 53.8 37.8 70.2

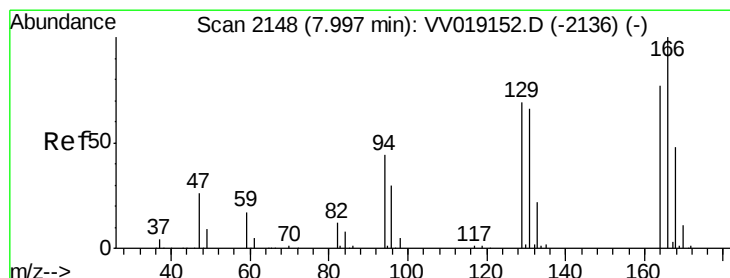
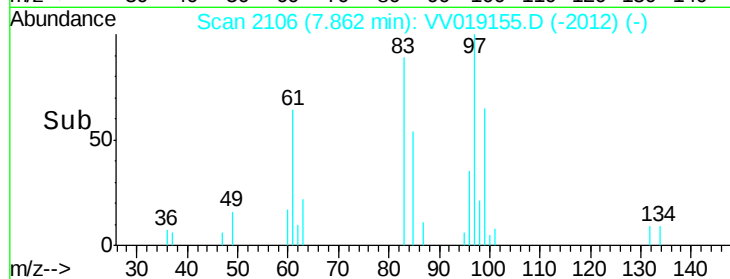
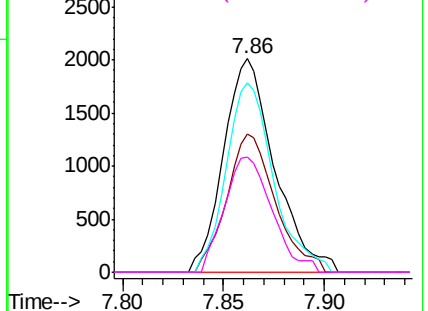


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 2.014 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion: 164 Resp: 3109

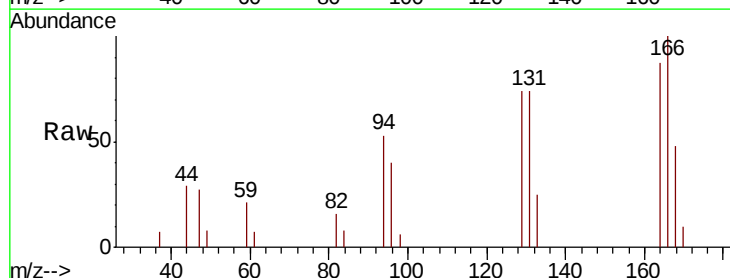
Ion Ratio Lower Upper

164 100

129 84.4 63.2 117.4

131 84.4 60.3 112.1

166 114.6 88.3 163.9

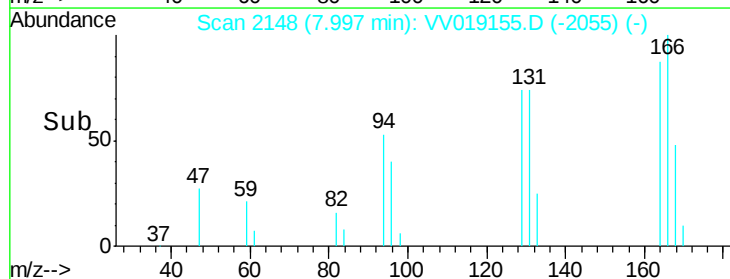
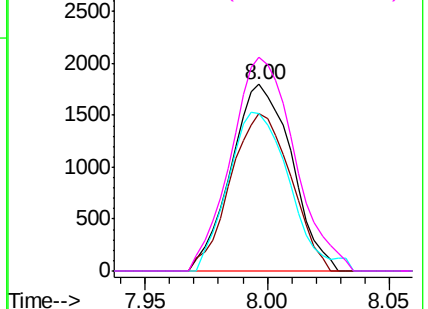


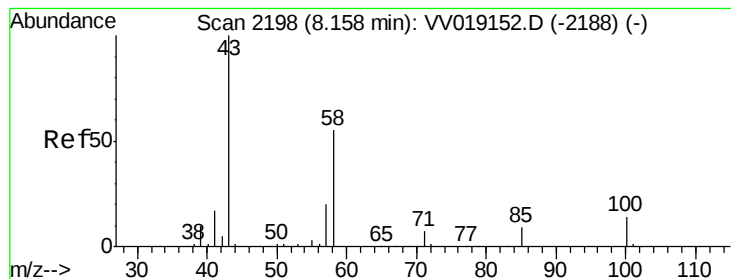
Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.643 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 43 Resp: 8343

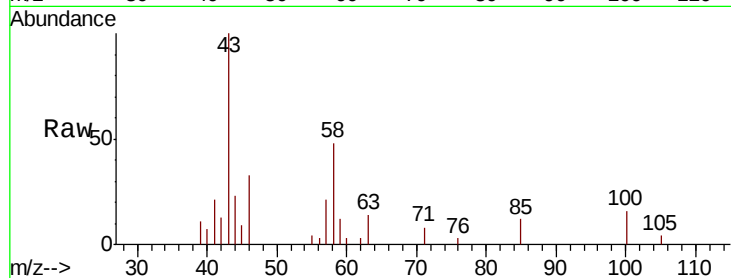
Ion Ratio Lower Upper

43 100

58 55.0 43.6 65.4

57 12.5 16.0 24.0#

100 12.5 10.3 15.5

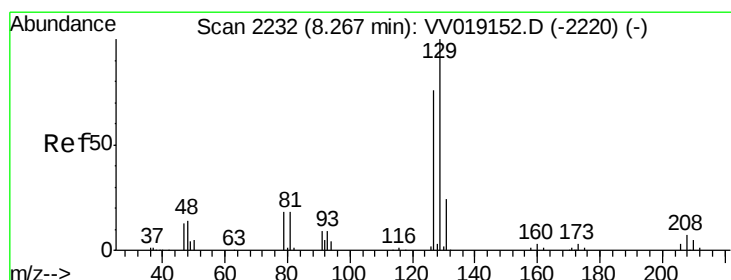
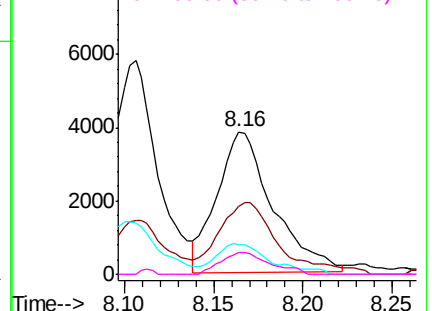
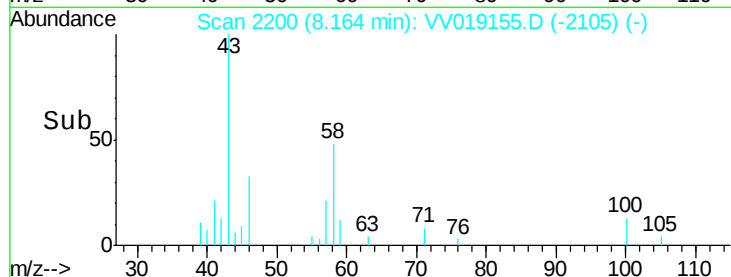


Abundance Ion 43.00 (42.70 to 43.70): VV019155.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV019155.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV019155.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV019155.D (-2188) (-)



#49

Dibromochloromethane

Concen: 1.923 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019155.D

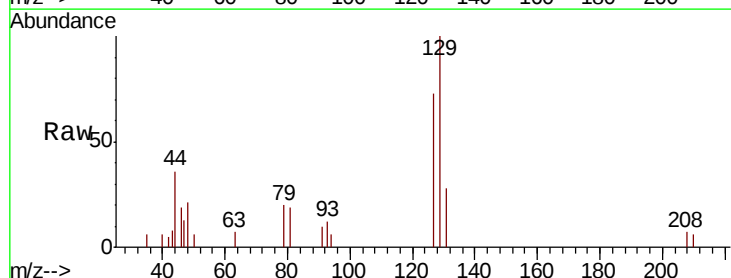
Acq: 29 Oct 2020 19:13

Tgt Ion: 129 Resp: 3826

Ion Ratio Lower Upper

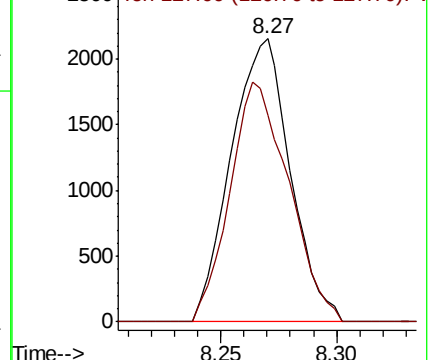
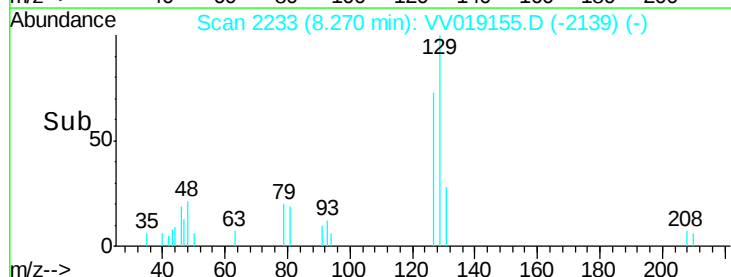
129 100

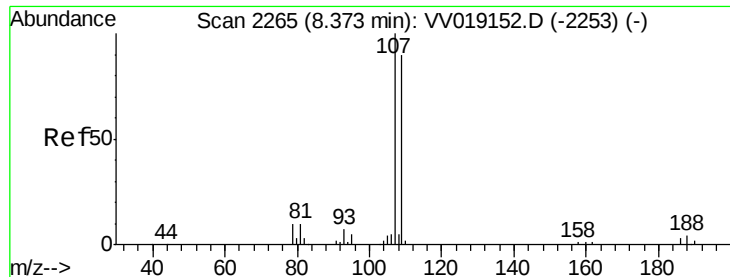
127 72.9 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019155.D (-2220) (-)

Ion 127.00 (126.70 to 127.70): VV019155.D (-2220) (-)

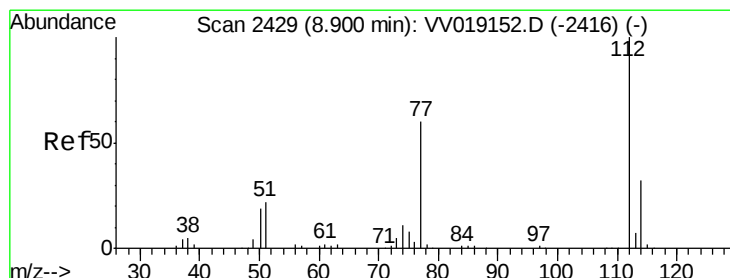
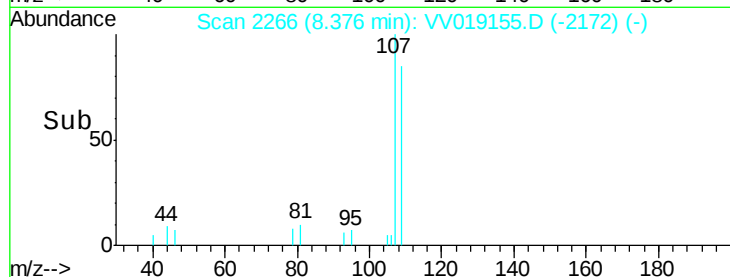
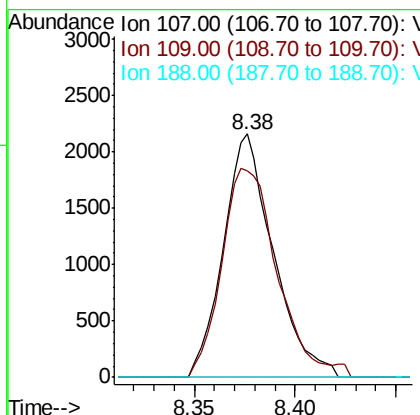
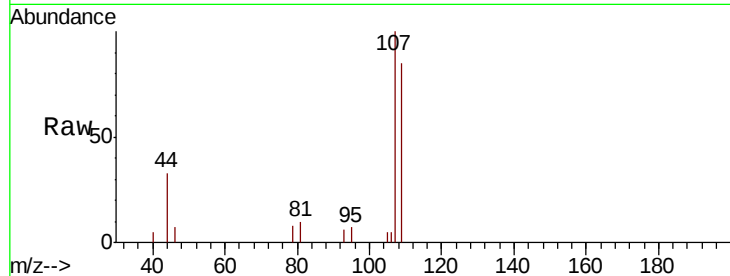




#50
 1,2-Dibromoethane
 Concen: 2.135 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

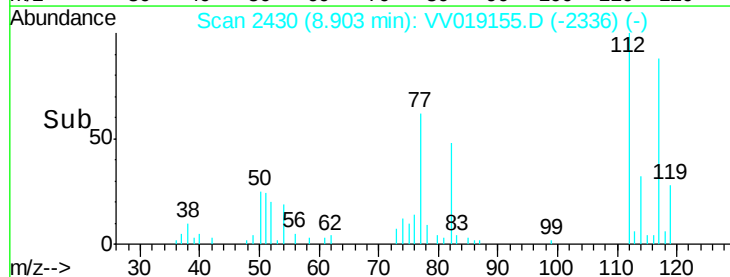
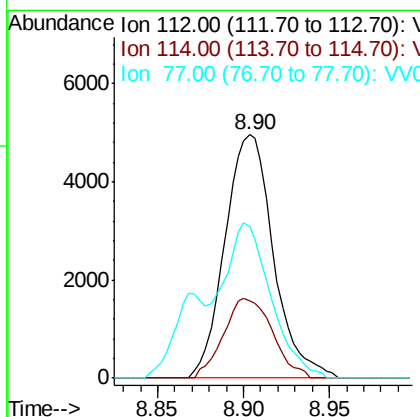
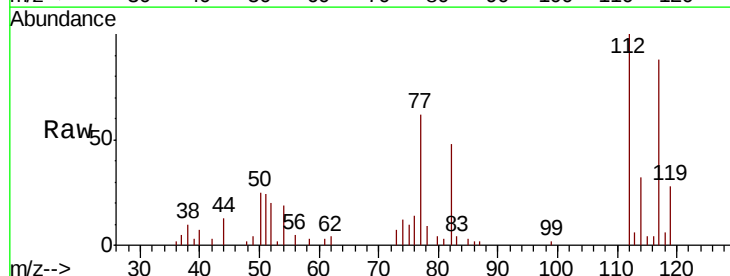
Instrument :
 MSVOA_V
 ClientSampleId :

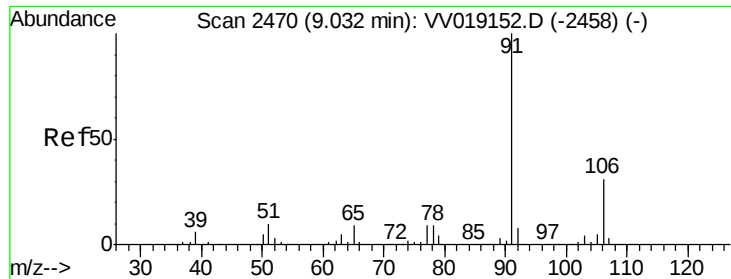
Tot Ion:107 Resp: 3743
 Ion Ratio Lower Upper
 107 100
 109 84.9 65.7 121.9
 188 0.0 3.4 5.2#



#51
 Chlorobenzene
 Concen: 2.057 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion:112 Resp: 9756
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.3 41.5
 77 62.2 46.7 70.1





#52

Ethylbenzene

Concen: 1.835 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

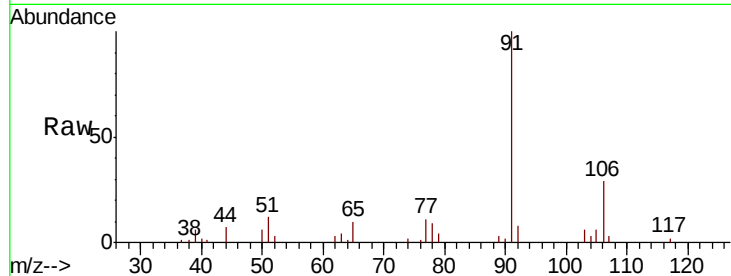
ClientSampleId :

Tot Ion: 91 Resp: 14626

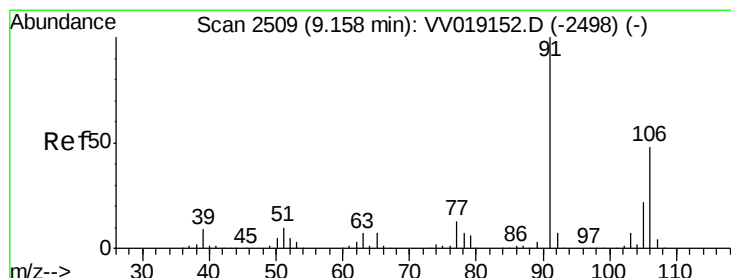
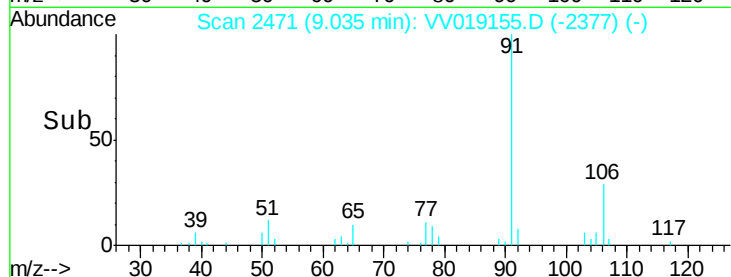
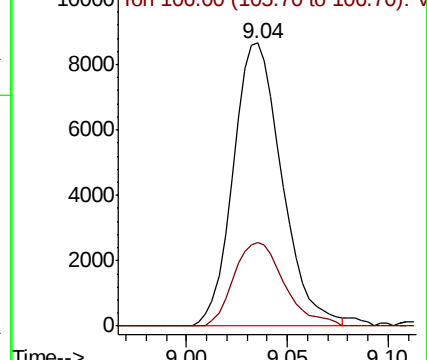
Ion Ratio Lower Upper

91 100

106 29.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019155.D (-2471) (-)



#53

m,p-Xylene

Concen: 1.829 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019155.D

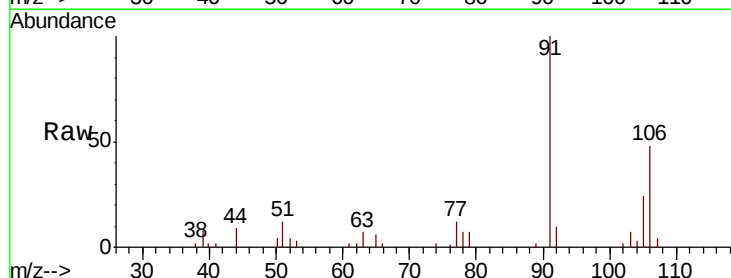
Acq: 29 Oct 2020 19:13

Tgt Ion: 106 Resp: 5506

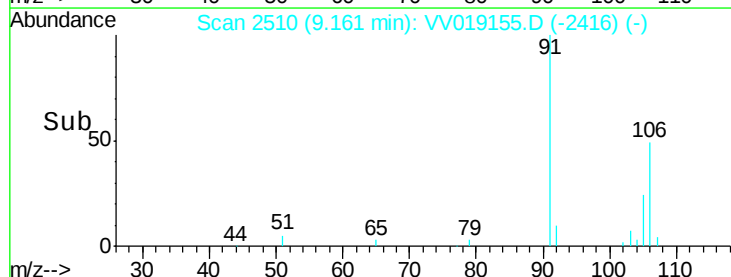
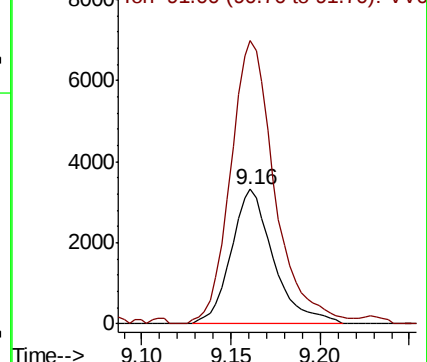
Ion Ratio Lower Upper

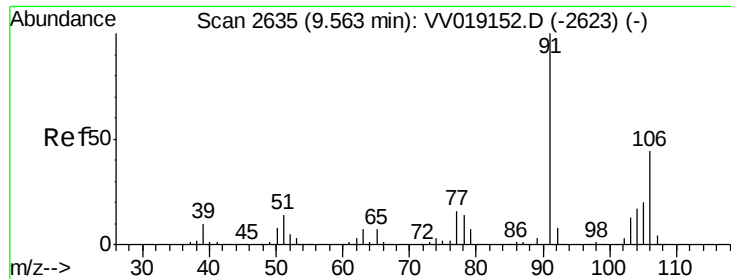
106 100

91 210.2 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019155.D (-2509) (-)

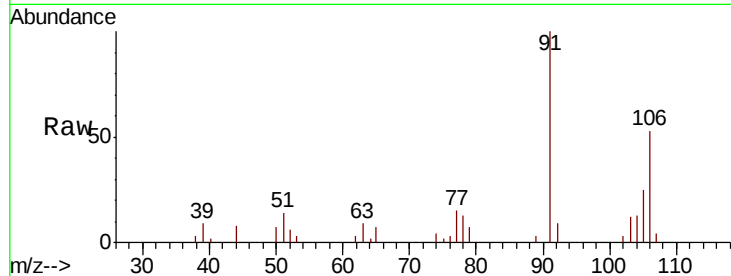




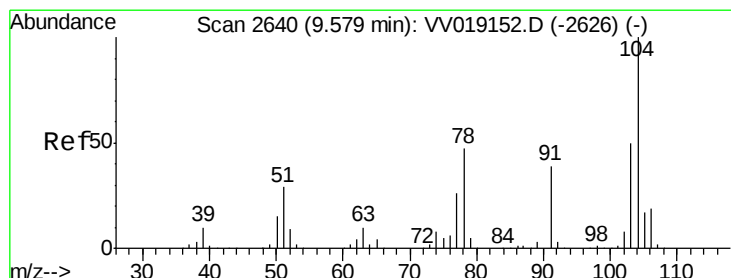
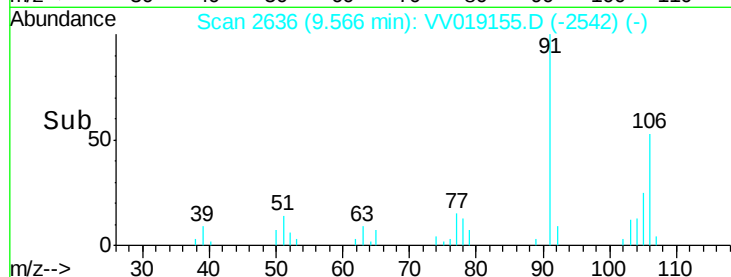
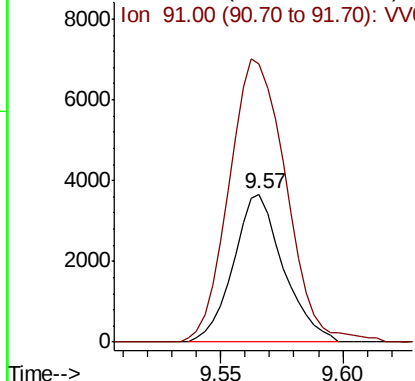
#54
o-xylene
Concen: 1.796 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5190
Ion Ratio Lower Upper
106 100
91 188.0 153.4 285.0

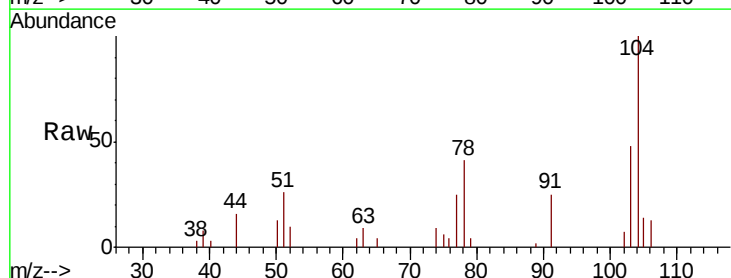


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

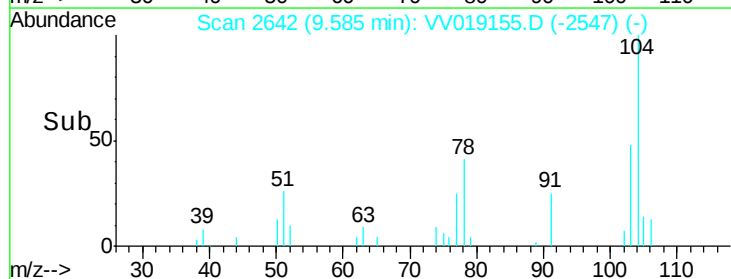
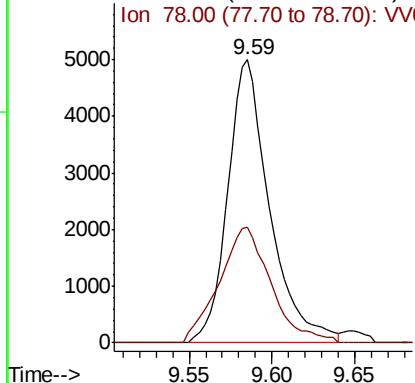


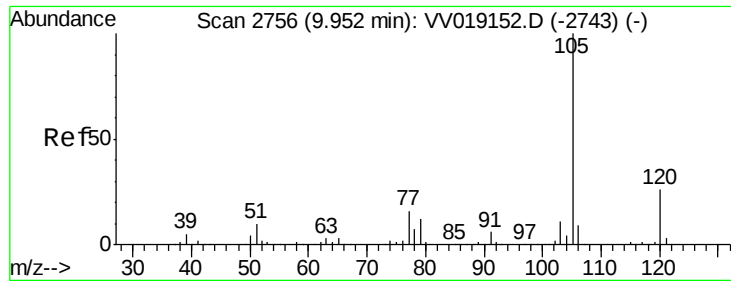
#55
Styrene
Concen: 1.716 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion:104 Resp: 8793
Ion Ratio Lower Upper
104 100
78 40.9 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: 1.690 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

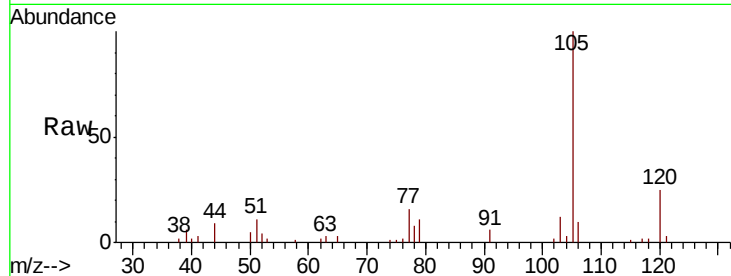
Tot Ion:105 Resp: 13126

Ion Ratio Lower Upper

105 100

120 25.4 21.3 31.9

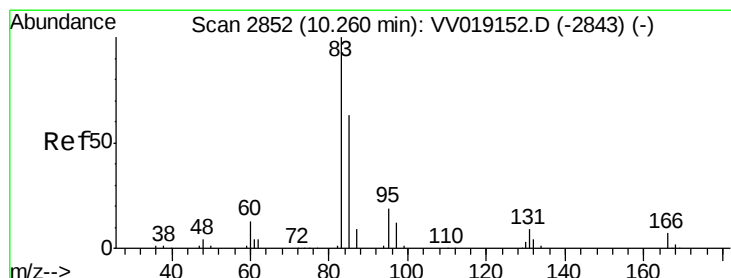
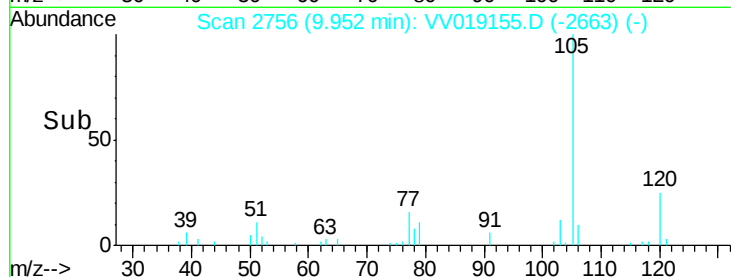
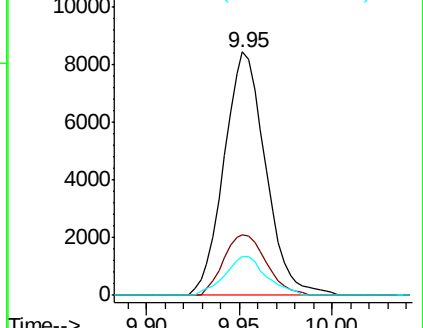
77 16.0 13.0 19.4



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: 2.137 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

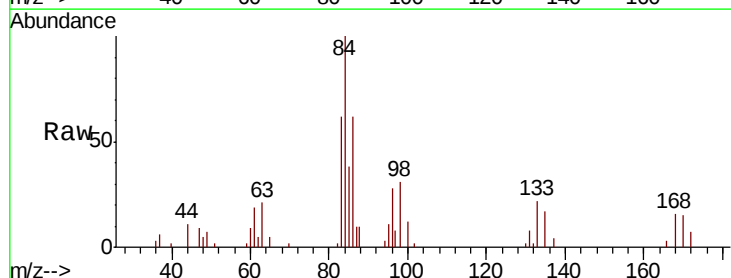
Tgt Ion: 83 Resp: 5348

Ion Ratio Lower Upper

83 100

85 61.7 45.8 85.0

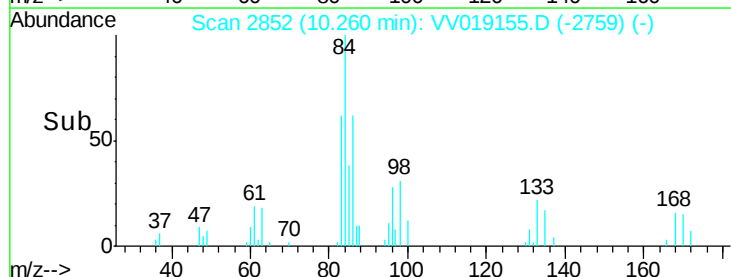
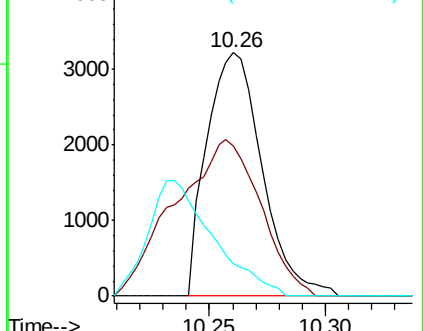
131 13.3 8.9 13.3

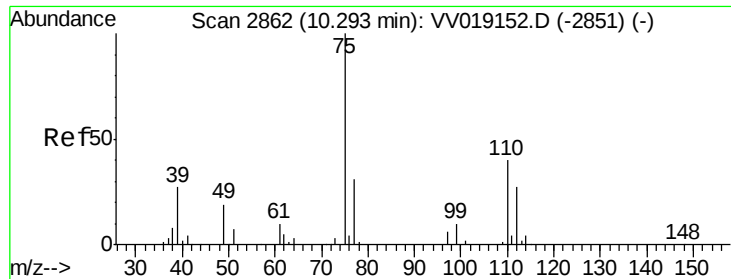


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

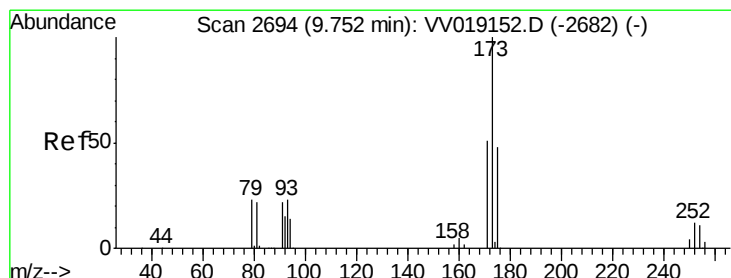
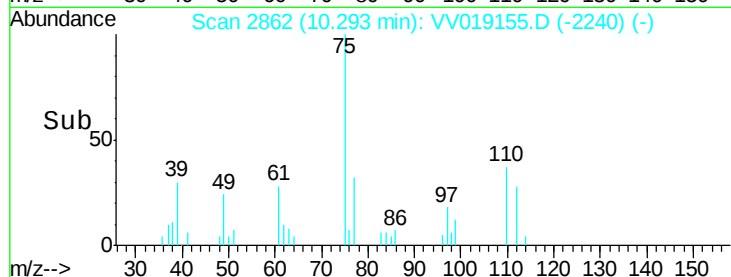
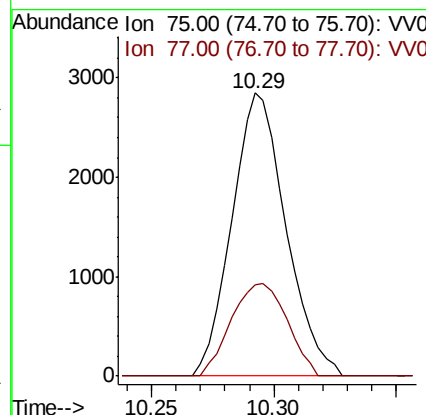
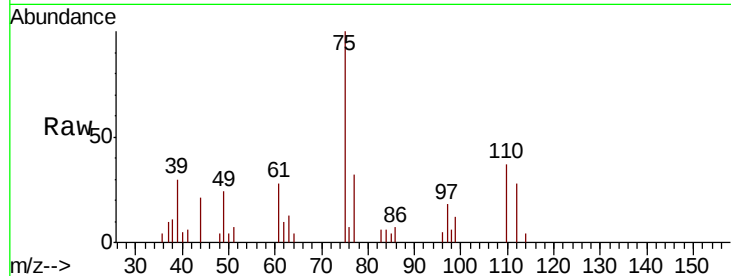




#59
 1,2,3-Trichloropropane
 Concen: 2.045 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

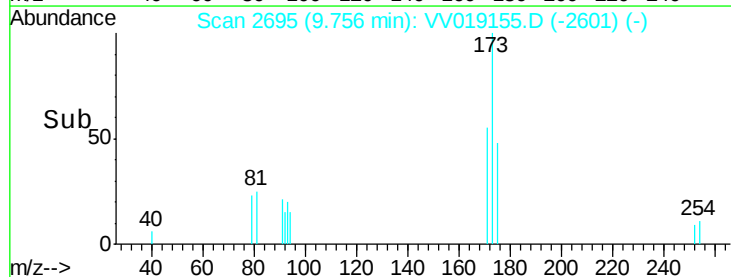
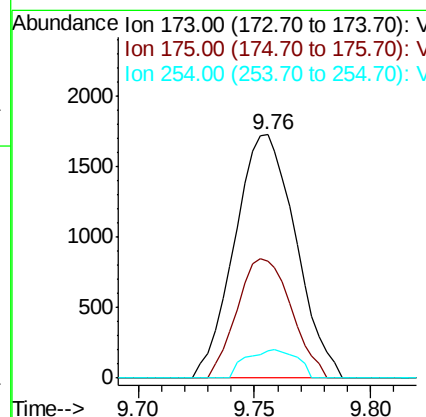
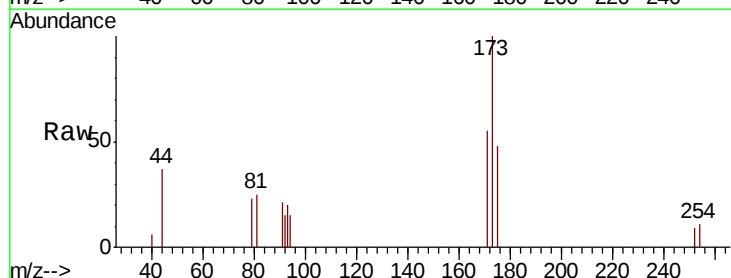
Instrument :
 MSVOA_V
 ClientSampleId :

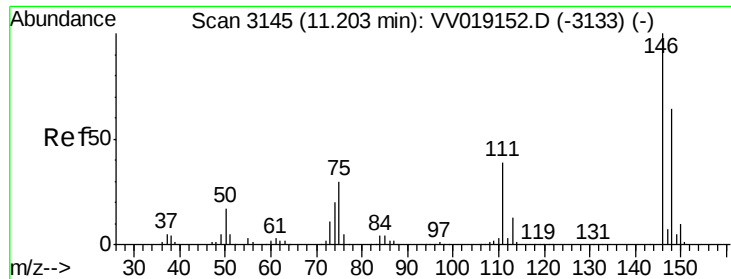
Tot Ion: 75 Resp: 4380
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.4



#61
 Bromoform
 Concen: 2.148 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 173 Resp: 3158
 Ion Ratio Lower Upper
 173 100
 175 43.7 39.8 59.6
 254 9.7 9.7 14.5#





#62

1,3-Dichlorobenzene

Concen: 2.030 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

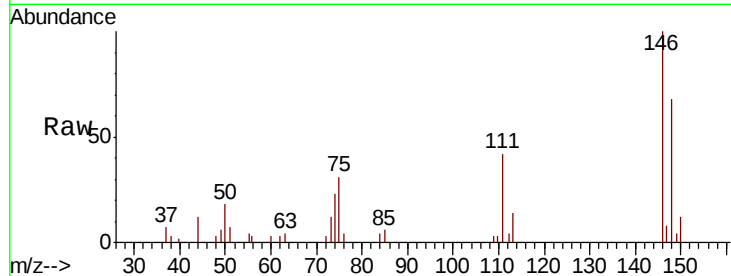
Tot Ion:146 Resp: 7629

Ion Ratio Lower Upper

146 100

111 42.3 27.1 50.3

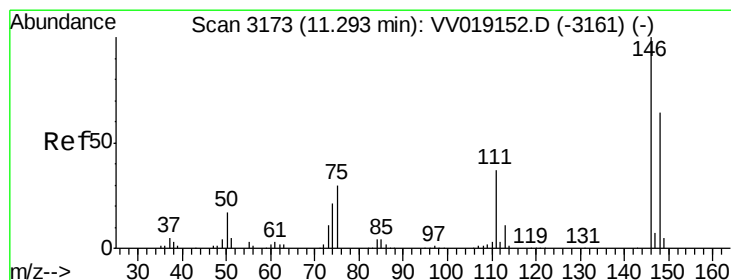
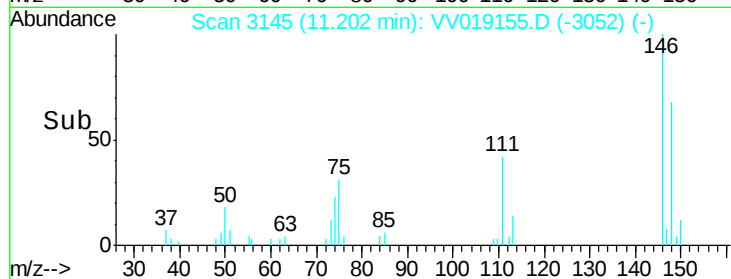
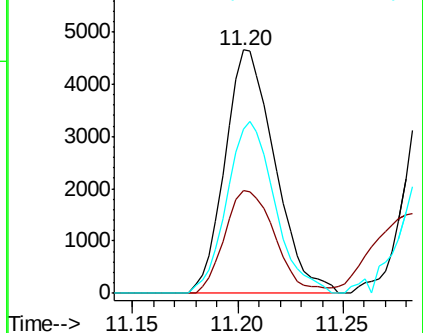
148 67.7 44.7 83.1



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: 2.268 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

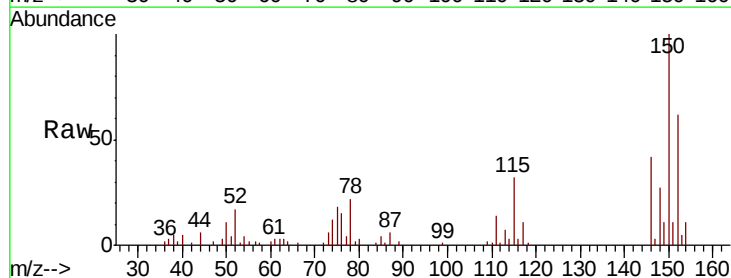
Tgt Ion:146 Resp: 8859

Ion Ratio Lower Upper

146 100

111 32.7 25.8 48.0

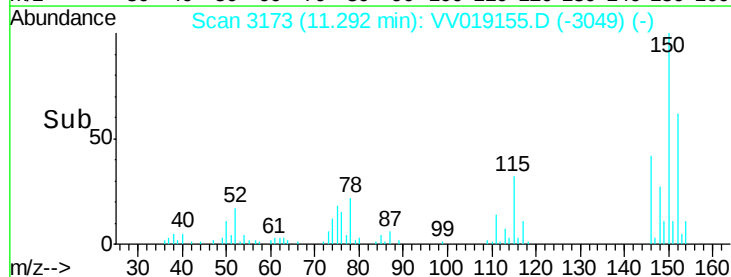
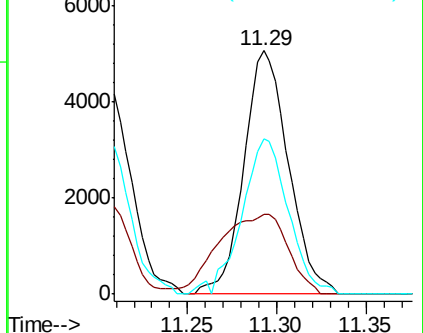
148 63.8 44.0 81.6

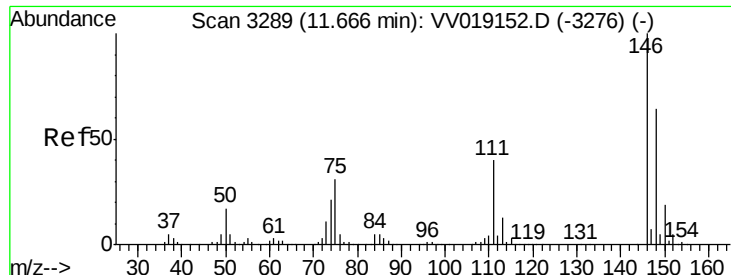


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.080 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

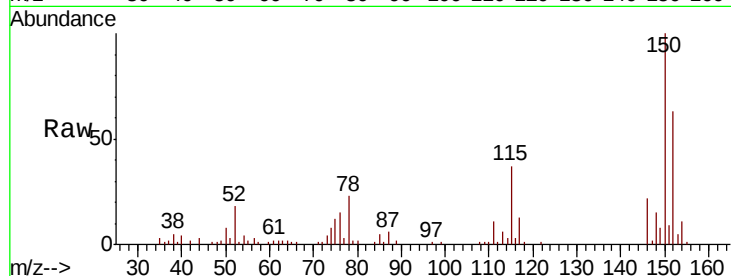
Tot Ion:146 Resp: 7744

Ion Ratio Lower Upper

146 100

111 48.8 32.2 48.4#

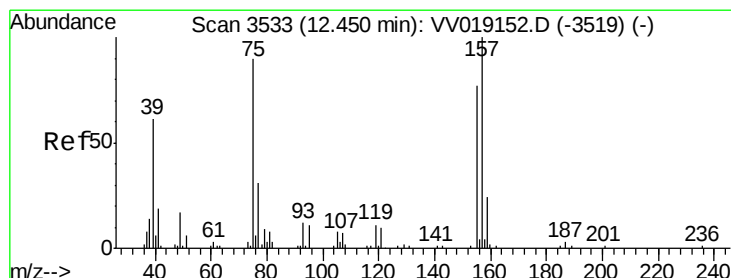
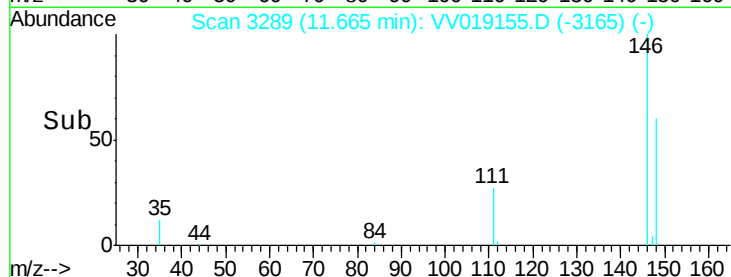
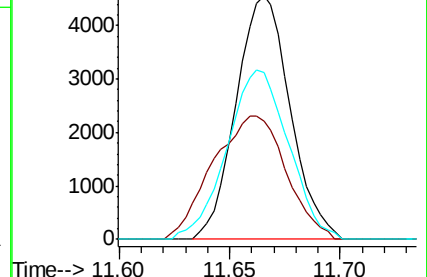
148 68.3 50.8 76.2



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: 1.854 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

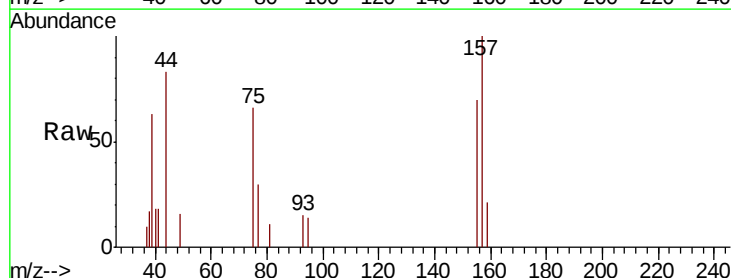
Tgt Ion: 75 Resp: 1181

Ion Ratio Lower Upper

75 100

155 106.2 71.1 106.7

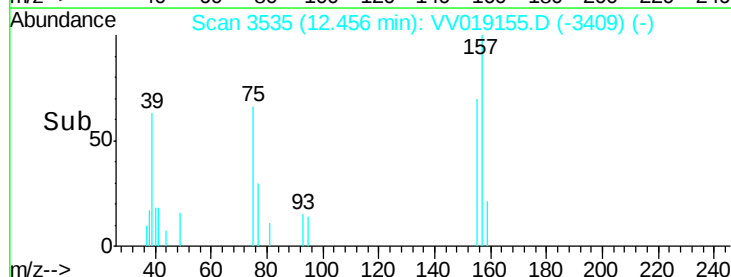
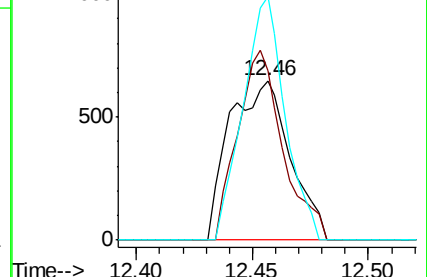
157 152.5 90.5 135.7#

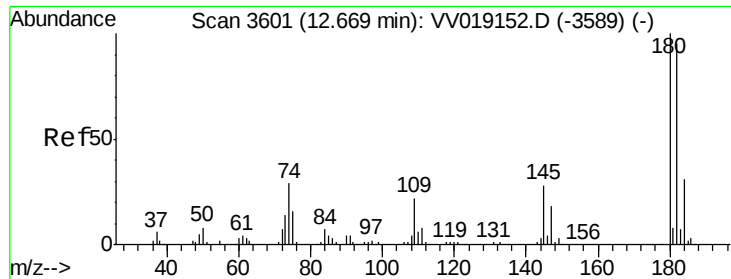


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

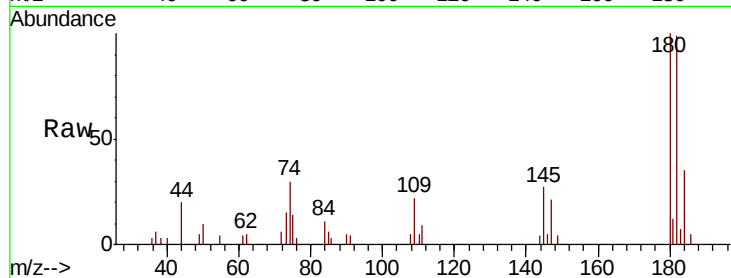




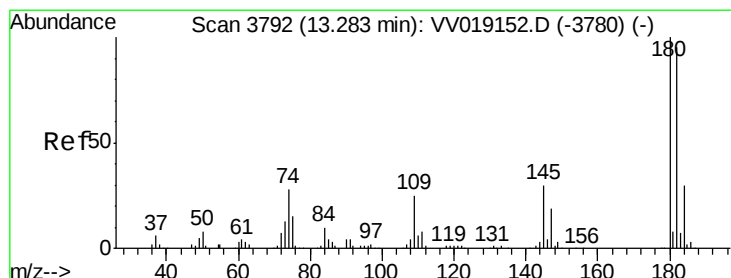
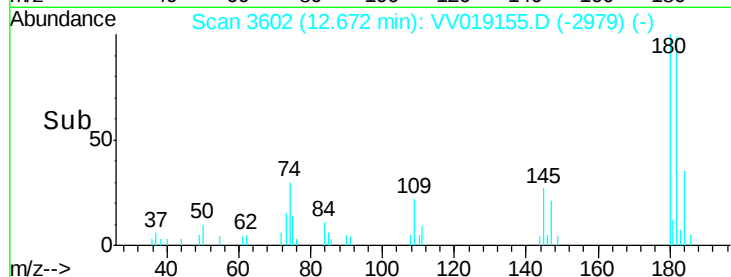
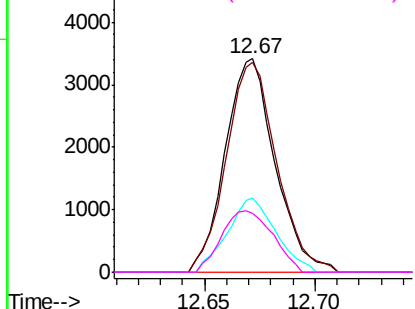
#67
 1,3,5-Trichlorobenzene
 Concen: 1.944 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 5379
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.1 114.1
 184 33.7 24.5 36.7
 145 29.4 22.7 34.1

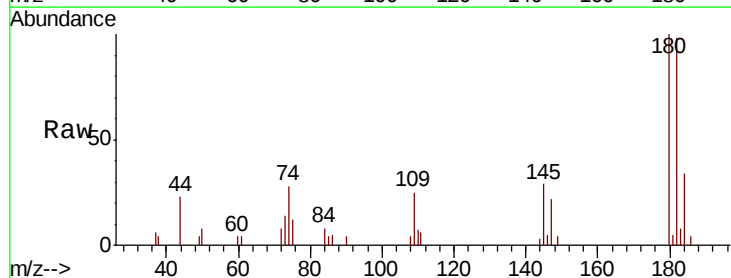


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

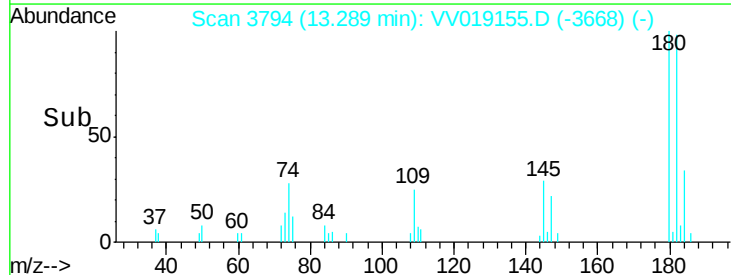
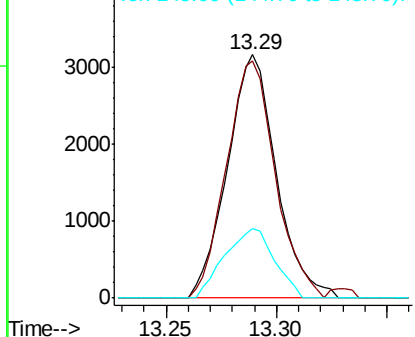


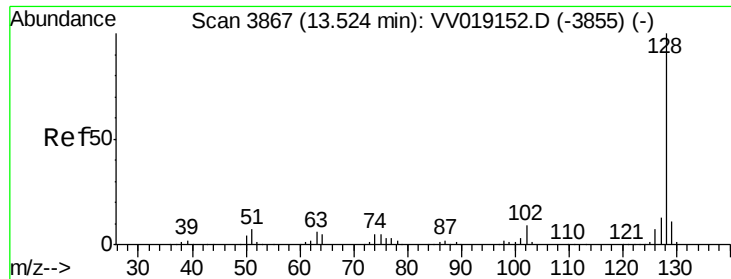
#68
 1,2,4-trichlorobenzene
 Concen: 1.878 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion:180 Resp: 4869
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.8 113.6
 145 29.0 22.6 34.0



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: 1.485 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

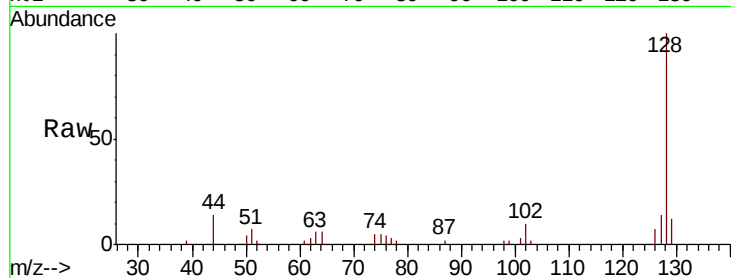
Tot Ion:128 Resp: 10785

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

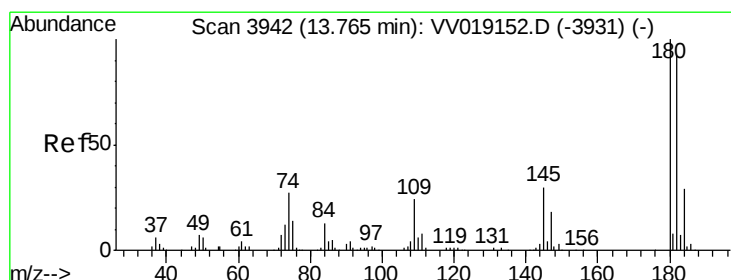
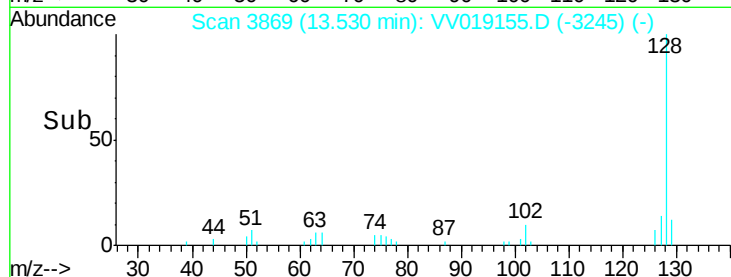
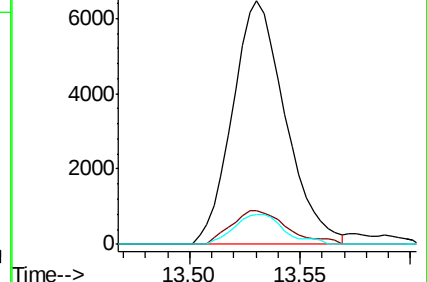
129 11.2 8.6 13.0



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: 1.903 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

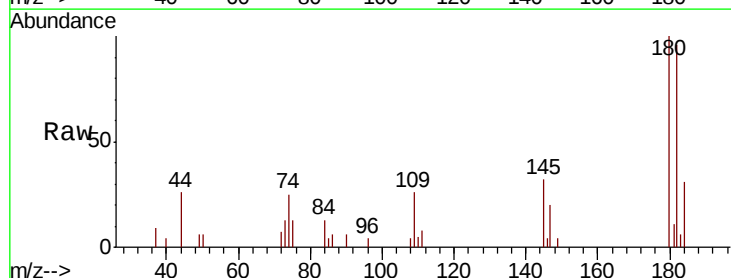
Tgt Ion:180 Resp: 4828

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 29.5 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

