

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111921\
 Data File : VW023650.D
 Acq On : 19 Nov 2021 17:51
 Operator : SY/MD
 Sample : M4706-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:50:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 22 01:44:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	108995	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	111214	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	50623	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25548	3.742	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.568	69	22870	4.110	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.108	63	35996	2.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.400%#
20) 2-Butanone-d5	3.905	46	49788	42.324	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.640%
24) Chloroform-d	4.349	84	56082	3.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
26) 1,2-Dichloroethane-d4	5.034	65	28460	4.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.053	84	99164	3.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
36) 1,2-Dichloropropane-d6	6.072	67	31744	3.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.600%
41) Toluene-d8	7.317	98	80020	2.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.800%#
43) trans-1,3-Dichloroprop...	7.629	79	10677	3.352	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.092	63	46603	39.767	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.540%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24308	4.024	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	34632	4.109	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	283	0.031	ug/L	87
5) Vinyl chloride	1.310	62	44	0.005	ug/L #	1
8) Chloroethane	1.577	64	115	0.022	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	366	0.054	ug/L #	18
12) 1,1-Dichloroethene	2.111	96	321	0.049	ug/L #	1
13) Acetone	2.191	43	22	0.031	ug/L #	1
14) Carbon disulfide	2.298	76	333	0.014	ug/L #	75
15) Methyl Acetate	2.465	43	20	0.010	ug/L #	47
16) Methylene chloride	2.507	84	835	0.088	ug/L	92
21) 2-Butanone	3.973	43	135	0.116	ug/L #	51
25) Chloroform	4.365	83	602	0.042	ug/L	75
27) 1,2-Dichloroethane	5.043	62	368	0.048	ug/L #	72
33) Benzene	5.047	78	783	0.025	ug/L	100
35) Methylcyclohexane	6.069	83	8357	0.641	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	3893	0.536	ug/L #	83
39) cis-1,3-Dichloropropene	7.021	75	40	0.004	ug/L #	44
40) 4-Methyl-2-pentanone	7.310	43	314	0.093	ug/L #	1
42) Toluene	7.400	91	1333	0.040	ug/L	97
44) trans-1,3-Dichloropropene	7.629	75	501	0.058	ug/L #	77

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QLast Update : Mon Nov 22 01:44:25 2021
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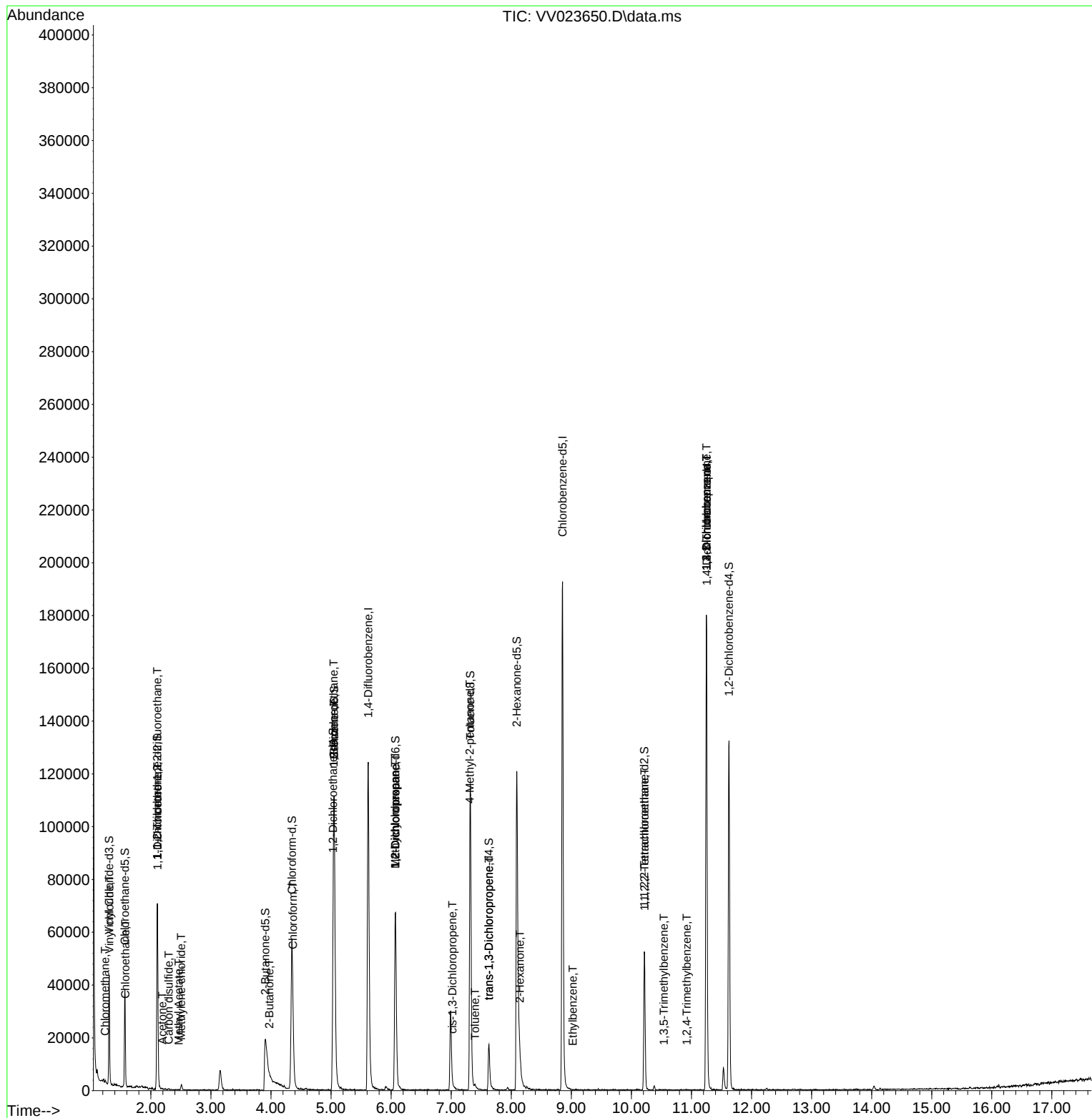
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.143	43	3386	1.436	ug/L #	93
52) Ethylbenzene	9.024	91	65	0.002	ug/L #	42
57) 1,1,2,2-Tetrachloroethane	10.220	83	103	0.018	ug/L #	1
61) 1,2,3-Trichloropropane	11.249	75	5343	1.589	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.542	105	81	0.003	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.921	105	169	0.007	ug/L #	30
64) 1,3-Dichlorobenzene	11.249	146	22	0.001	ug/L #	1
65) 1,4-Dichlorobenzene	11.249	146	22	0.001	ug/L #	1

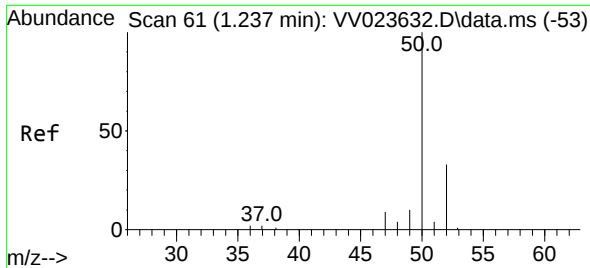
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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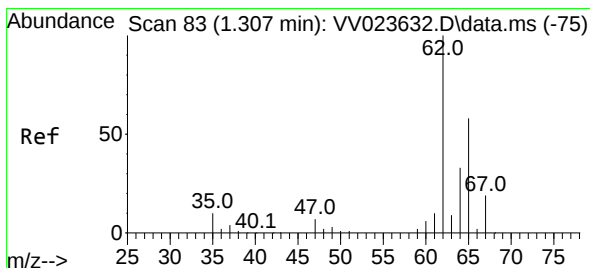
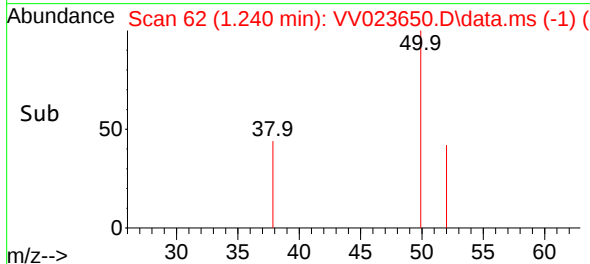
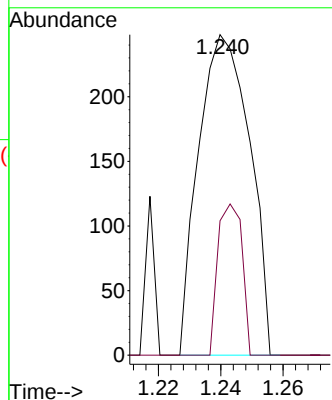
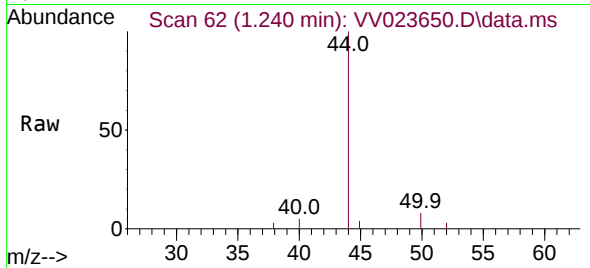




#3
Chloromethane
Concen: 0.031 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

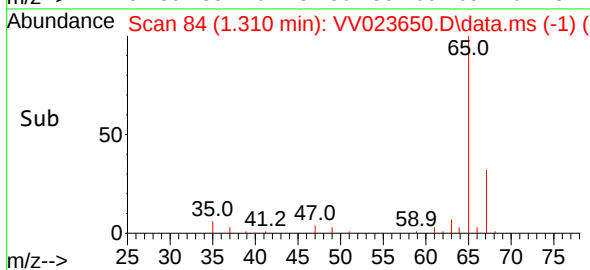
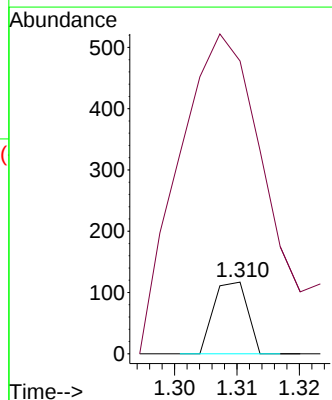
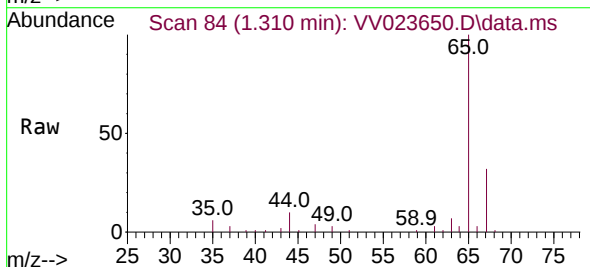
Instrument :
MSVOA_V
ClientSampleId :

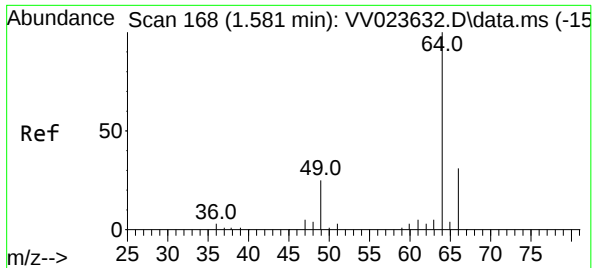
Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 41.9 24.3 45.1



#5
Vinyl chloride
Concen: 0.005 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion: 62 Resp: 44
Ion Ratio Lower Upper
62 100
64 408.5 23.1 42.9#

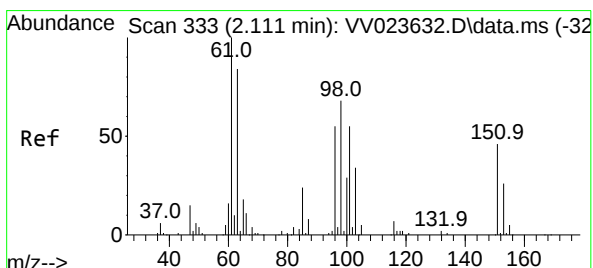
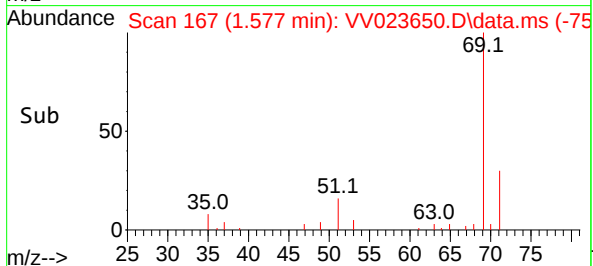
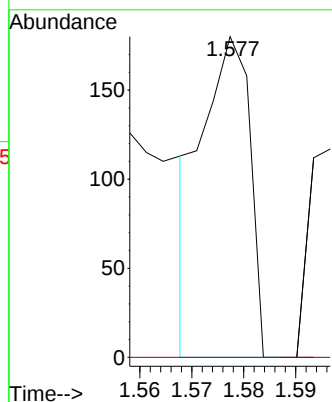
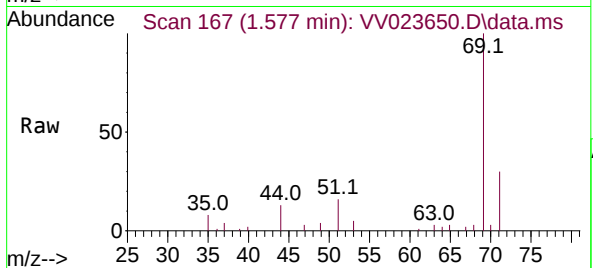




#8
Chloroethane
Concen: 0.022 ug/L
RT: 1.577 min Scan# 115
Delta R.T. -0.003 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

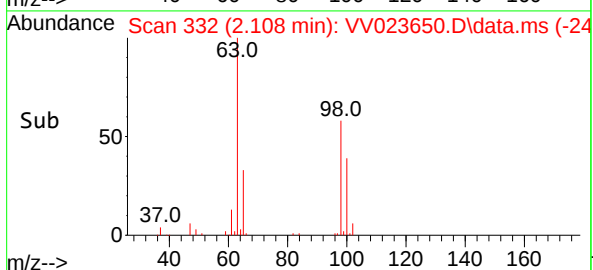
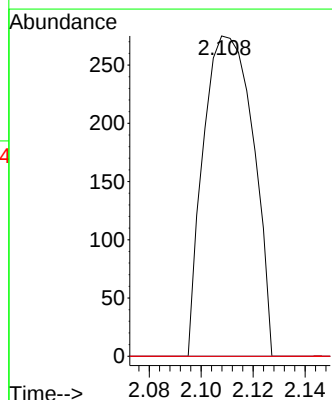
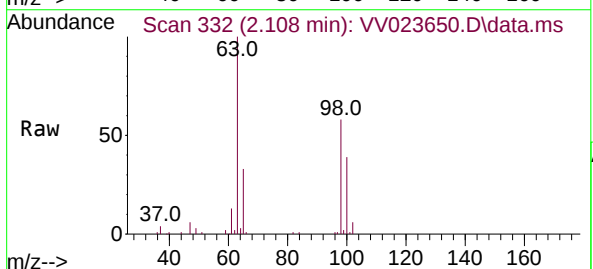
Instrument :
MSVOA_V
ClientSampleId :

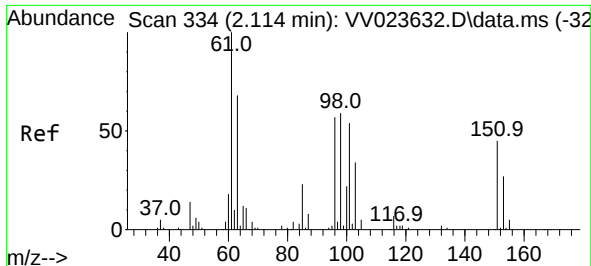
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion:101 Resp: 366
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 62.2 93.2#





#12

1,1-Dichloroethene

Concen: 0.049 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

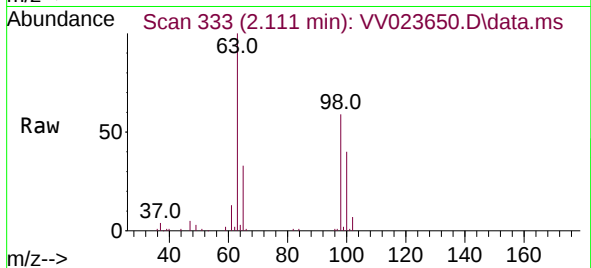
Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Instrument :

MSVOA_V

ClientSampleId :



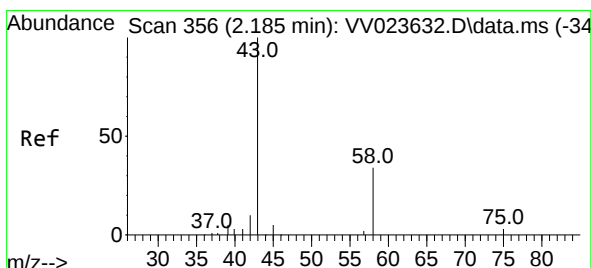
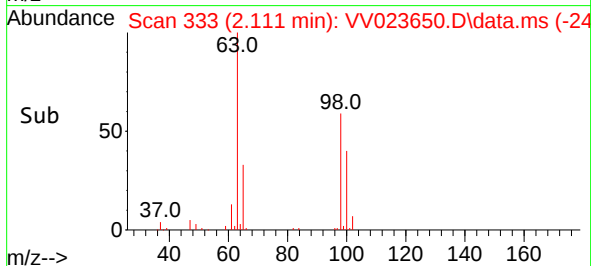
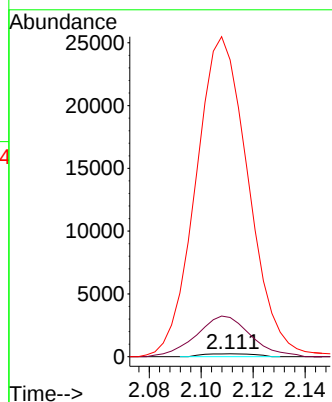
Tgt Ion: 96 Resp: 321

Ion Ratio Lower Upper

96 100

61 1364.6 121.5 225.7#

63 10323.1 99.6 185.0#



#13

Acetone

Concen: 0.031 ug/L

RT: 2.191 min Scan# 358

Delta R.T. 0.006 min

Lab File: VV023650.D

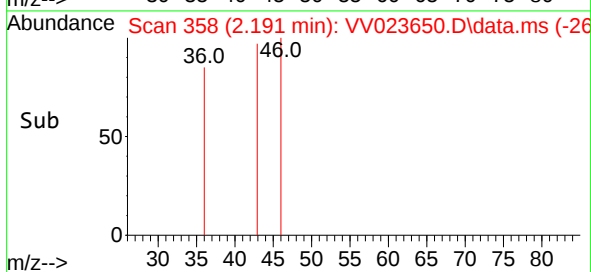
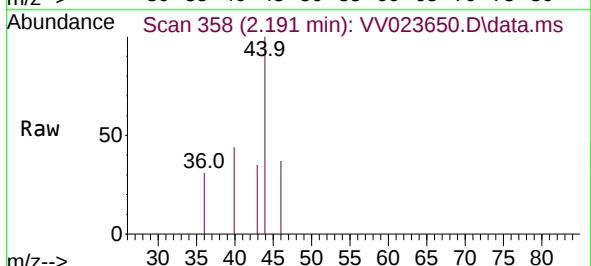
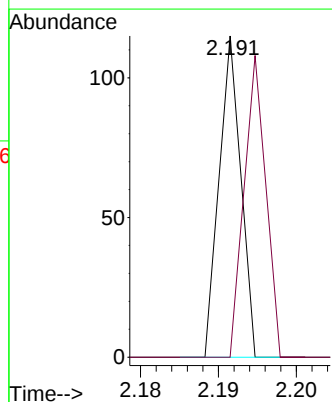
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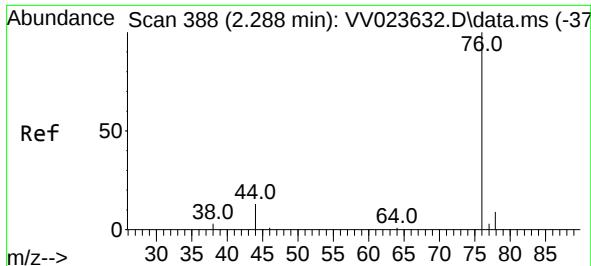
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

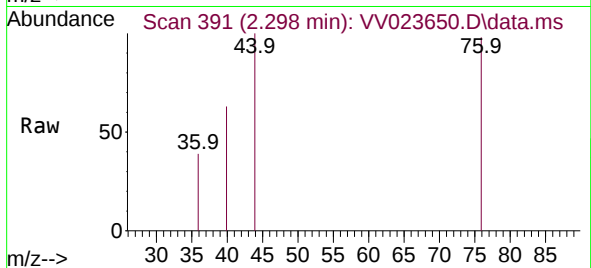
58 95.5 0.0 55.4#



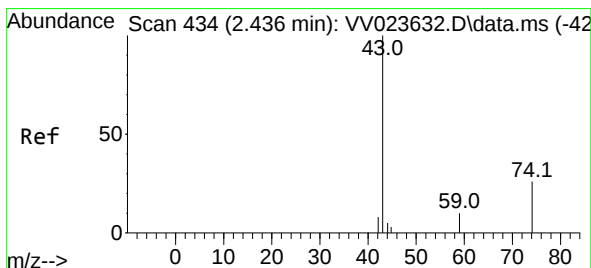
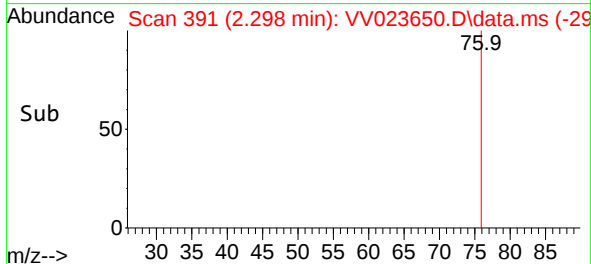
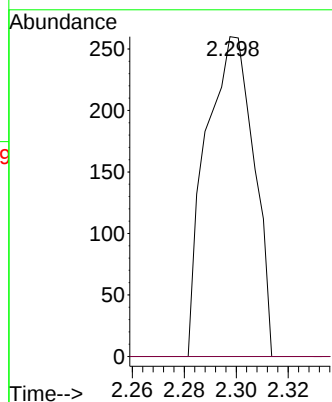


#14
Carbon disulfide
Concen: 0.014 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.010 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Instrument :
MSVOA_V
ClientSampleId :

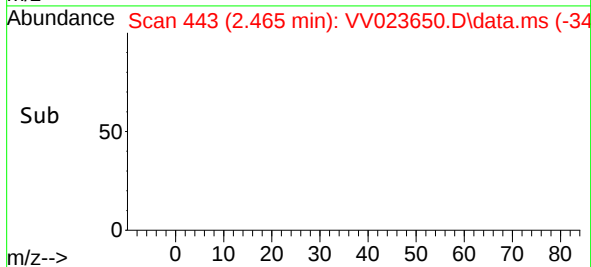
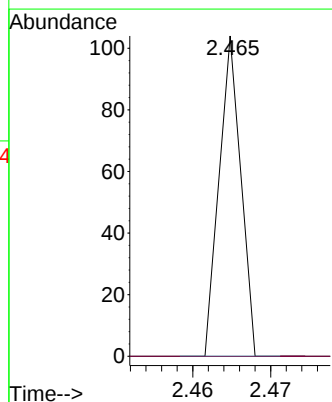
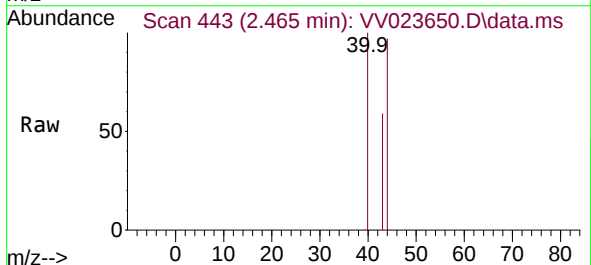


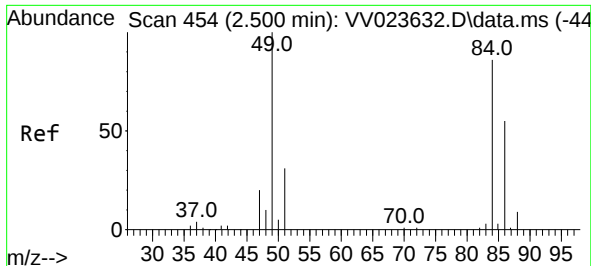
Tgt Ion: 76 Resp: 333
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#15
Methyl Acetate
Concen: 0.010 ug/L
RT: 2.465 min Scan# 443
Delta R.T. 0.029 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

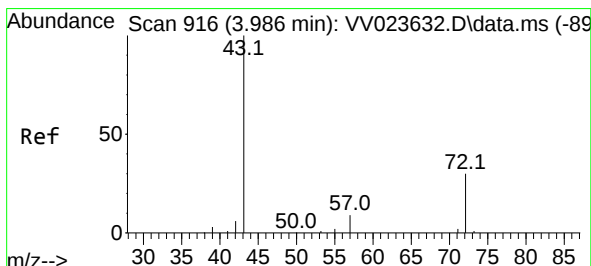
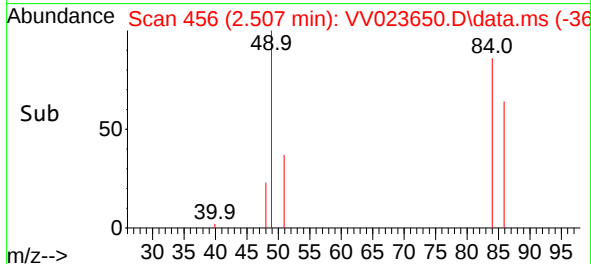
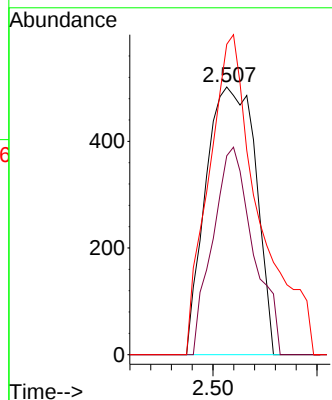
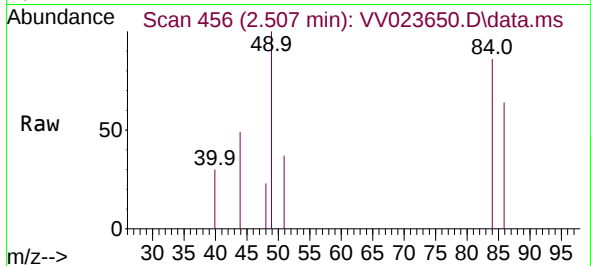




#16
Methylene chloride
Concen: 0.088 ug/L
RT: 2.507 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

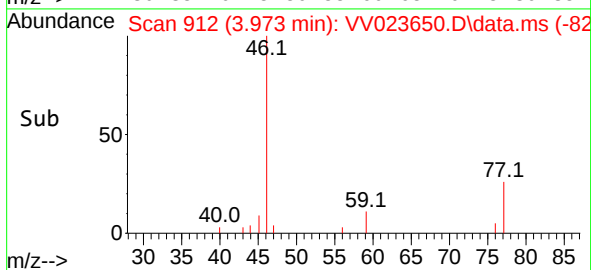
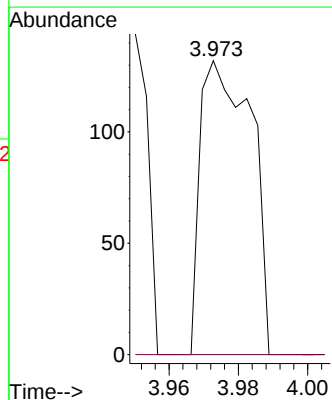
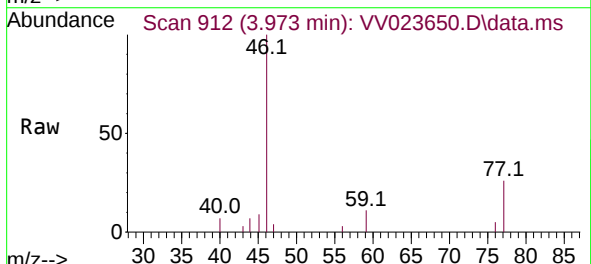
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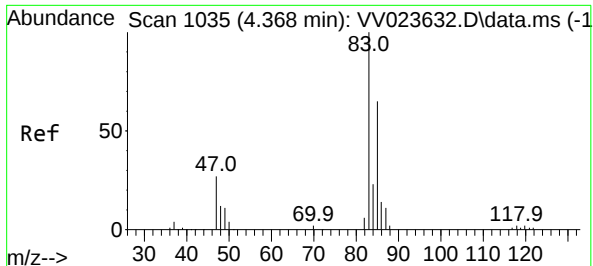
Tgt Ion: 84 Resp: 835
Ion Ratio Lower Upper
84 100
86 74.3 42.3 78.5
49 115.9 79.7 148.1



#21
2-Butanone
Concen: 0.116 ug/L
RT: 3.973 min Scan# 912
Delta R.T. -0.013 min
Lab File: VV023650.D
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Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
72 0.0 11.9 35.9#





#25

Chloroform

Concen: 0.042 ug/L

RT: 4.365 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Instrument :

MSVOA_V

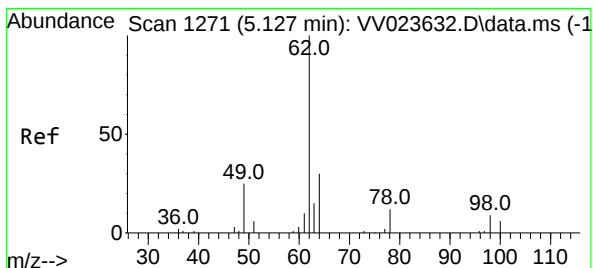
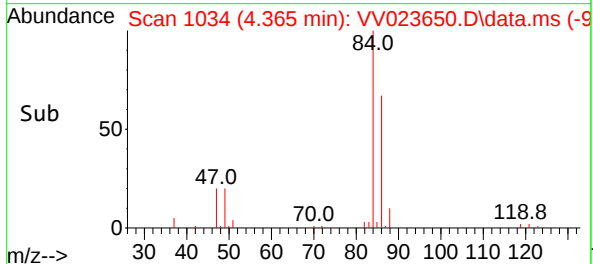
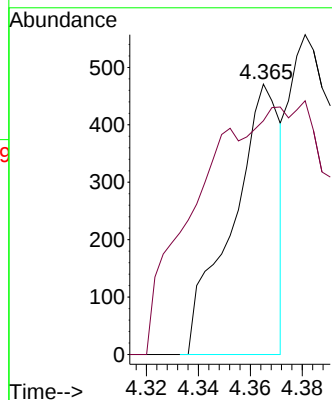
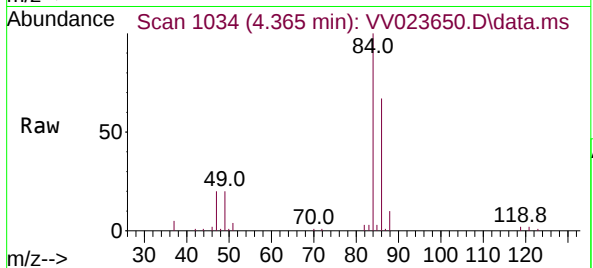
ClientSampleId :

Tgt Ion: 83 Resp: 602

Ion Ratio Lower Upper

83 100

85 86.4 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.048 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.084 min

Lab File: VV023650.D

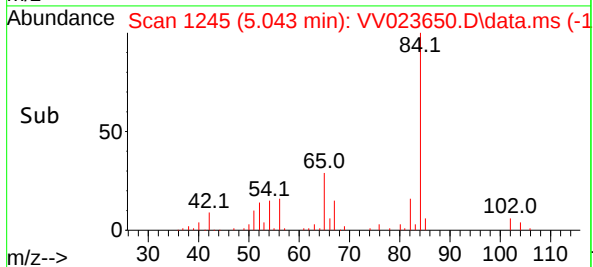
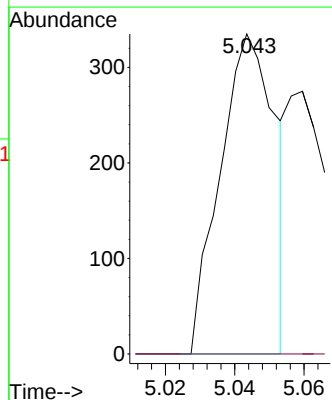
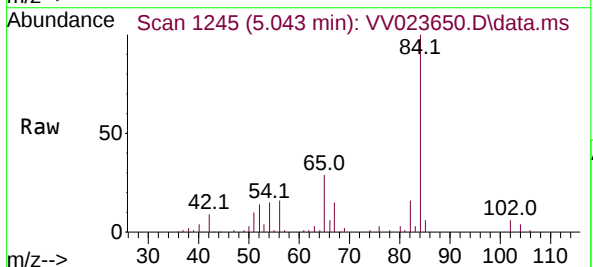
Acq: 19 Nov 2021 17:51

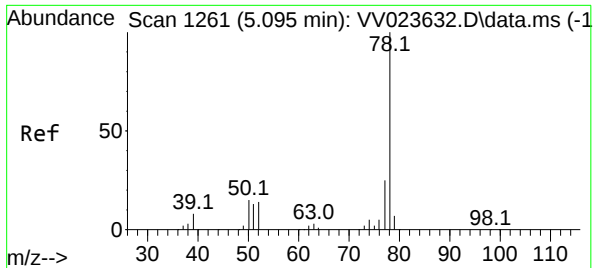
Tgt Ion: 62 Resp: 368

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

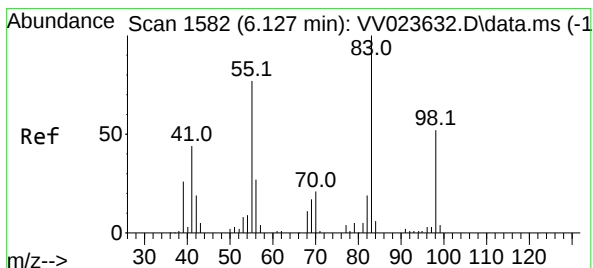
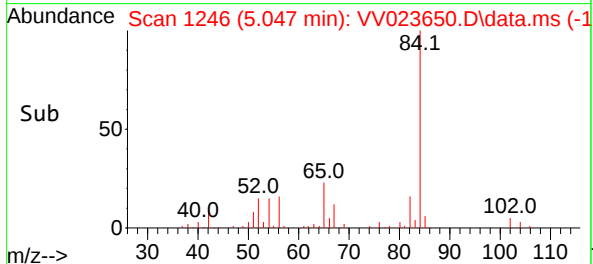
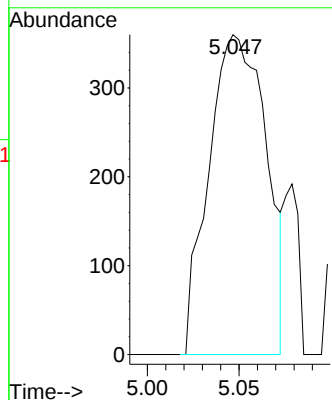
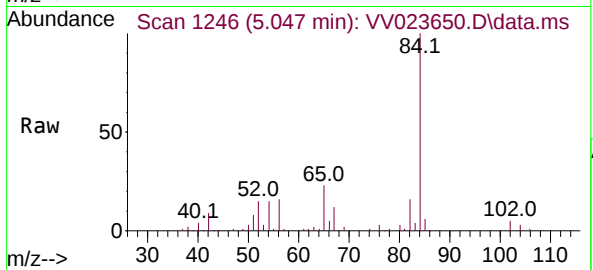




#33
Benzene
Concen: 0.025 ug/L
RT: 5.047 min Scan# 11
Delta R.T. -0.048 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

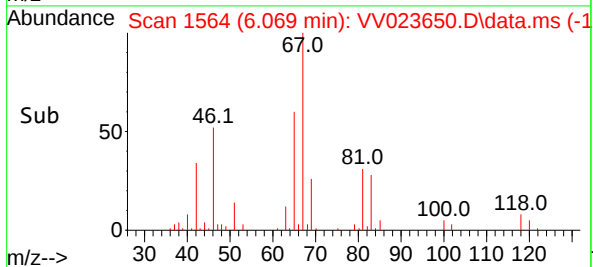
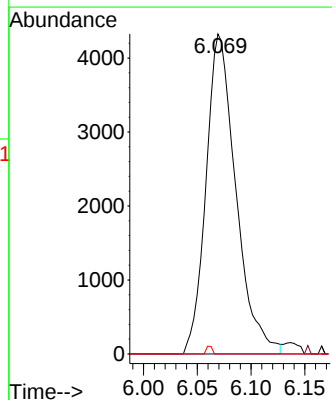
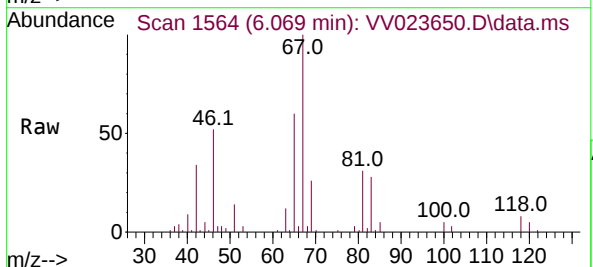
Instrument :
MSVOA_V
ClientSampleId :

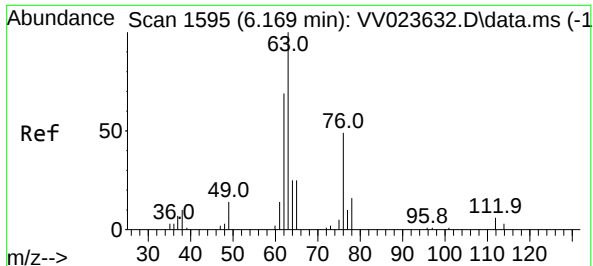
Tgt Ion: 78 Resp: 783



#35
Methylcyclohexane
Concen: 0.641 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion: 83 Resp: 8357
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.5 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.536 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Instrument :

MSVOA_V

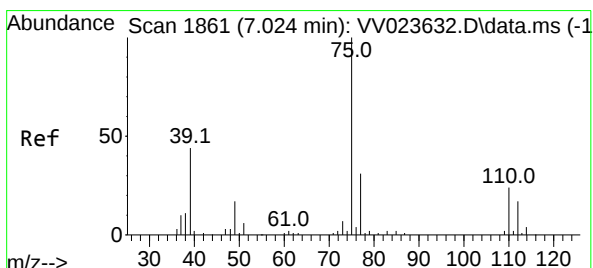
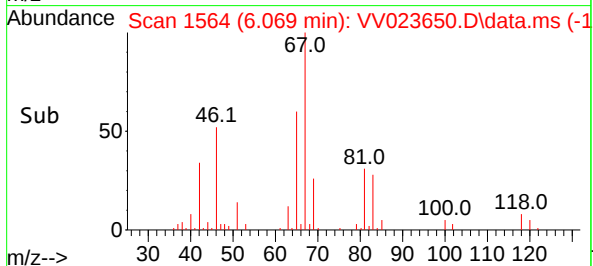
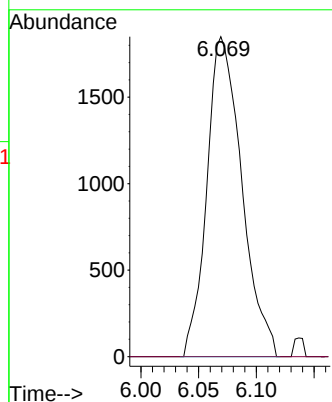
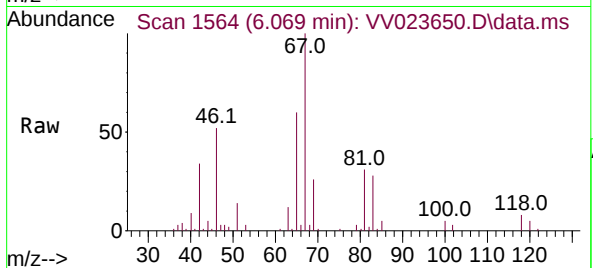
ClientSampleId :

Tgt Ion: 63 Resp: 3893

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.004 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV023650.D

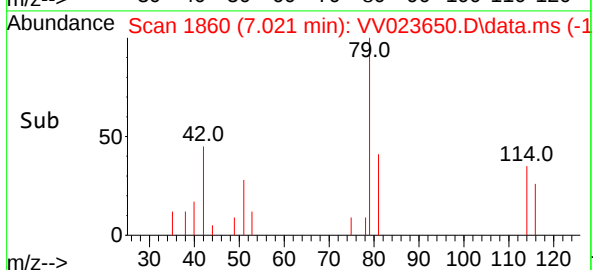
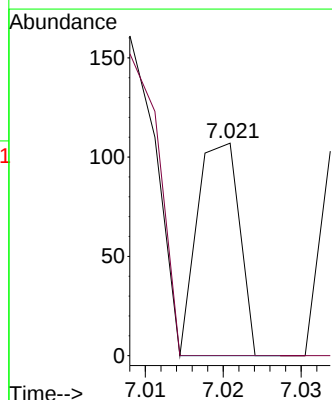
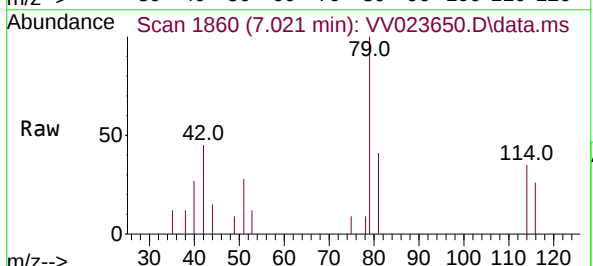
Acq: 19 Nov 2021 17:51

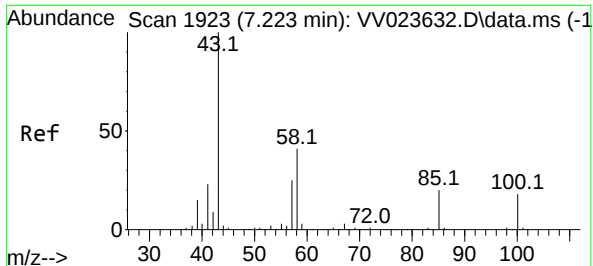
Tgt Ion: 75 Resp: 40

Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.2#





#40

4-Methyl-2-pentanone

Concen: 0.093 ug/L

RT: 7.310 min Scan# 1923

Delta R.T. 0.087 min

Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

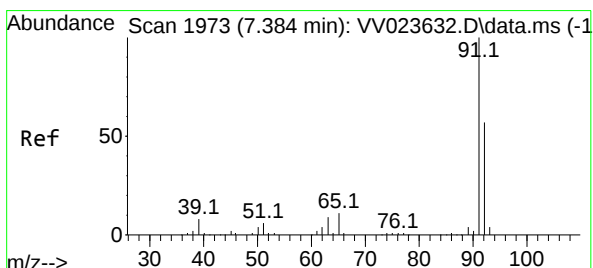
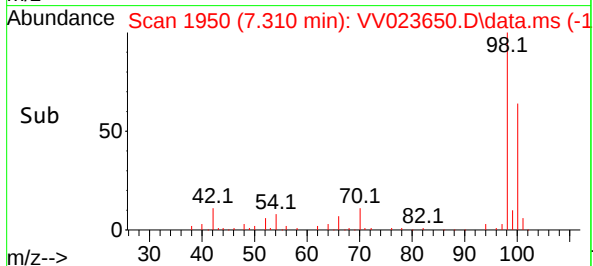
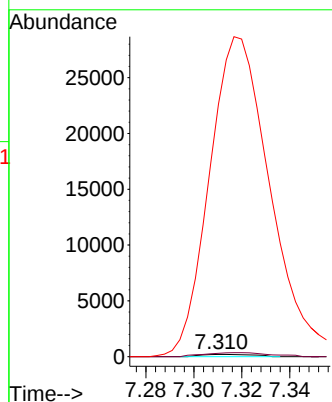
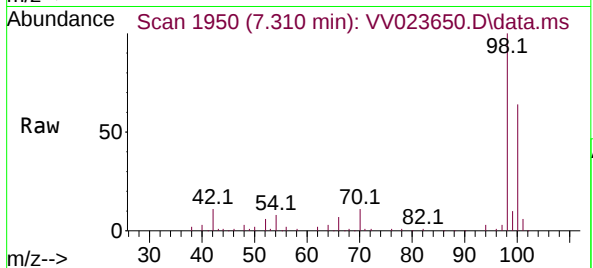
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 314

Ion	Ratio	Lower	Upper
43	100		
58	215.9	31.1	46.7#
100	16293.9	12.6	19.0#



#42

Toluene

Concen: 0.040 ug/L

RT: 7.400 min Scan# 1978

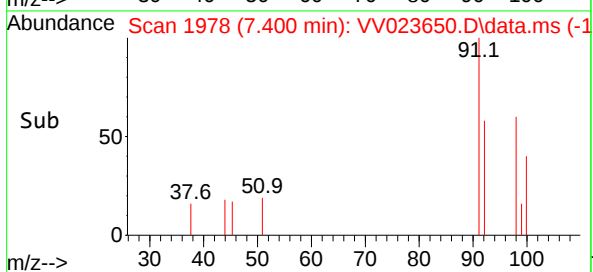
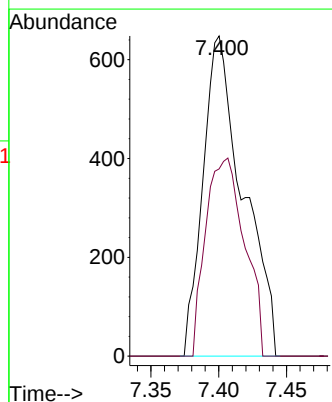
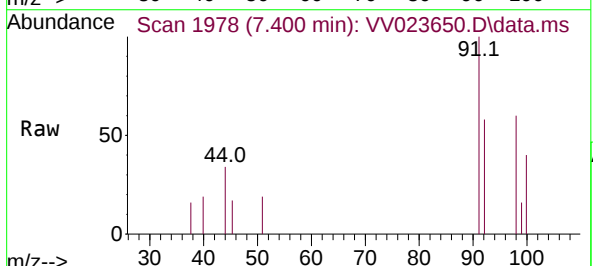
Delta R.T. 0.016 min

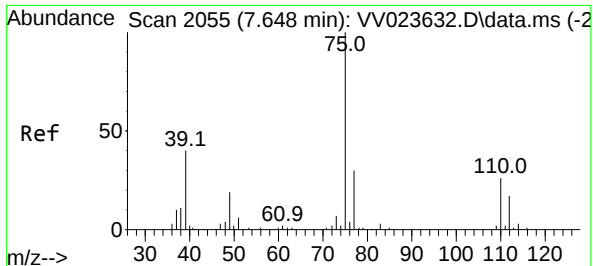
Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Tgt Ion: 91 Resp: 1333

Ion	Ratio	Lower	Upper
91	100		
92	58.5	39.3	72.9

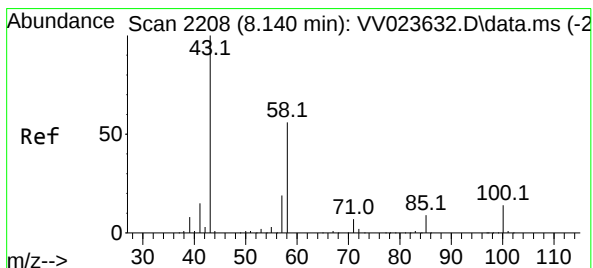
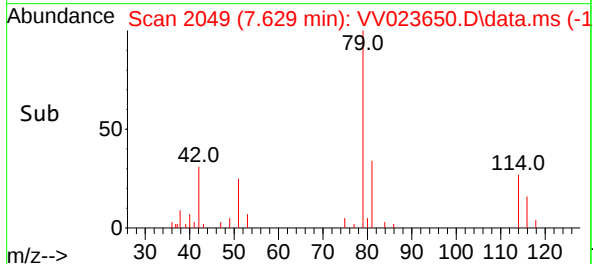
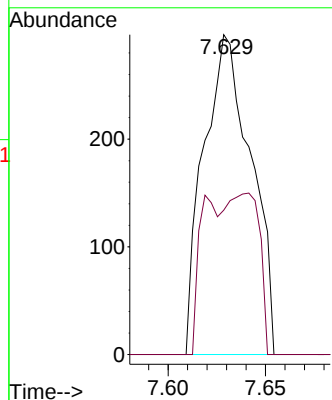
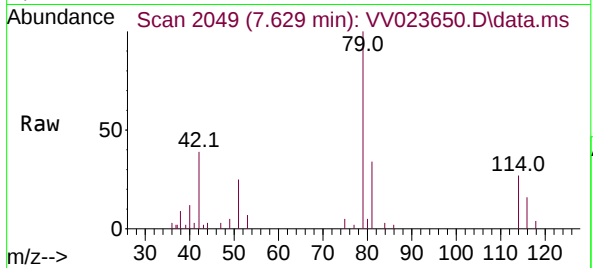




#44
trans-1,3-Dichloropropene
Concen: 0.058 ug/L
RT: 7.629 min Scan# 2049
Delta R.T. -0.019 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

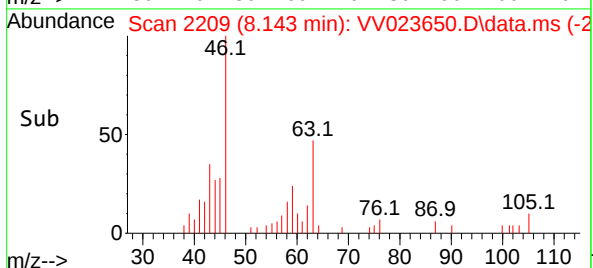
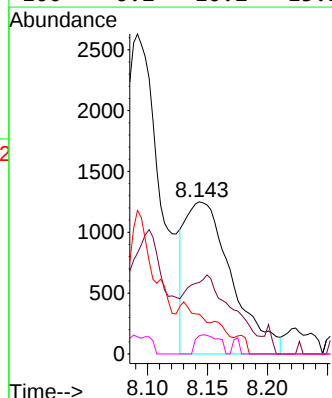
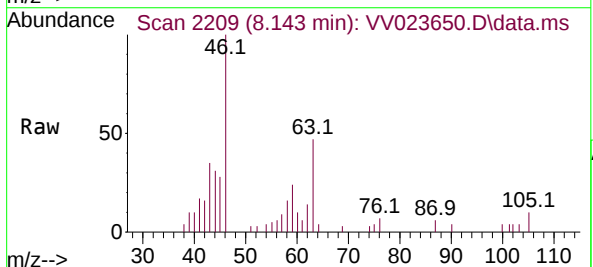
Instrument :
MSVOA_V
ClientSampleId :

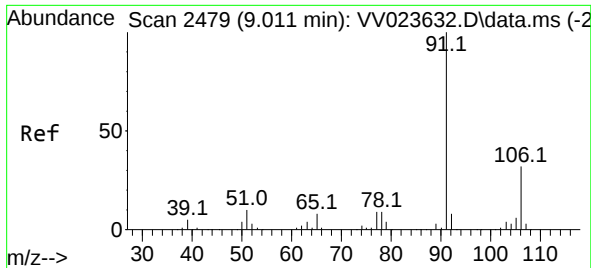
Tgt Ion: 75 Resp: 501
Ion Ratio Lower Upper
75 100
77 45.1 22.5 41.7#



#48
2-Hexanone
Concen: 1.436 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion: 43 Resp: 3386
Ion Ratio Lower Upper
43 100
58 50.7 43.7 65.5
57 15.2 14.1 21.1
100 6.2 10.2 15.2#

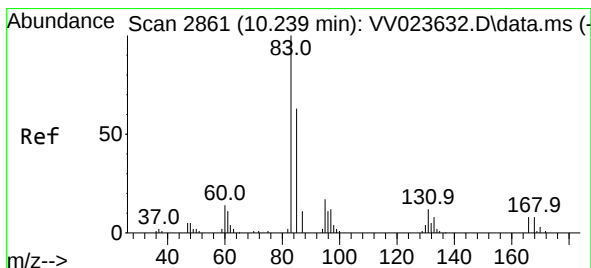
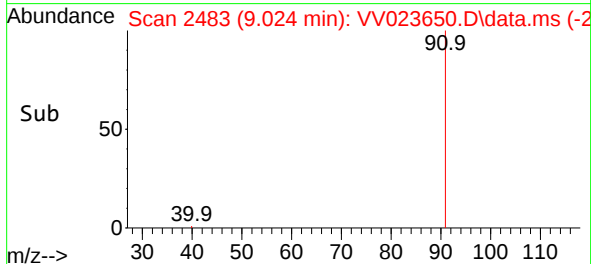
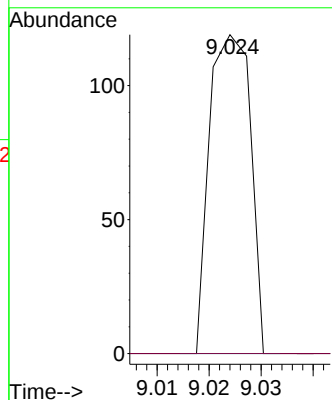
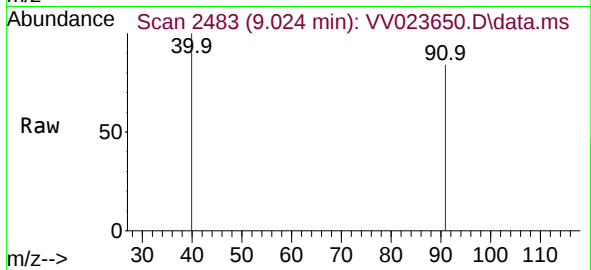




#52
Ethylbenzene
Concen: 0.002 ug/L
RT: 9.024 min Scan# 2479
Delta R.T. 0.013 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

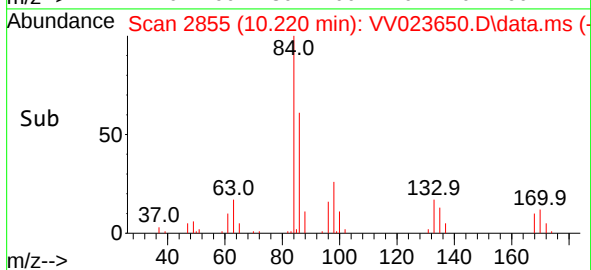
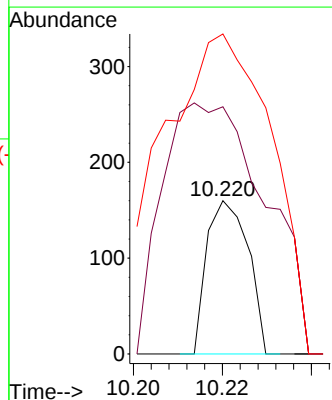
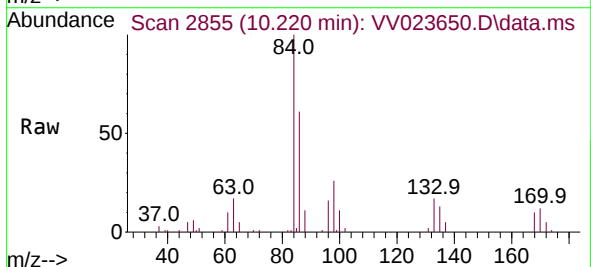
Instrument :
MSVOA_V
ClientSampleId :

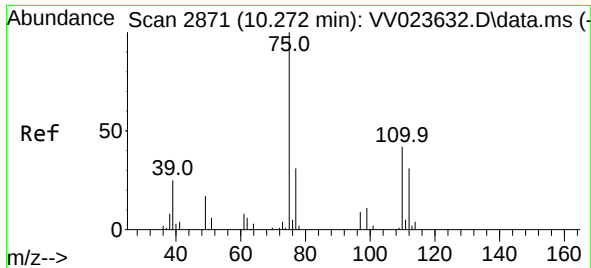
Tgt Ion: 91 Resp: 65
Ion Ratio Lower Upper
91 100
106 0.0 22.5 41.9#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.018 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.019 min
Lab File: VV023650.D
Acq: 19 Nov 2021 17:51

Tgt Ion: 83 Resp: 103
Ion Ratio Lower Upper
83 100
85 161.3 45.1 83.9#
131 208.8 7.8 11.6#

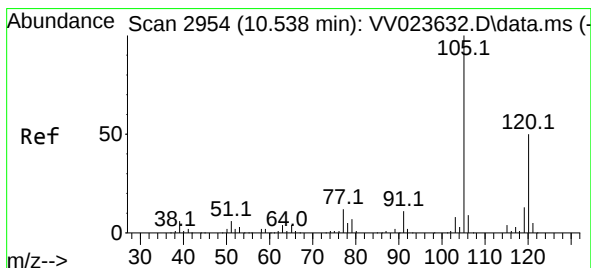
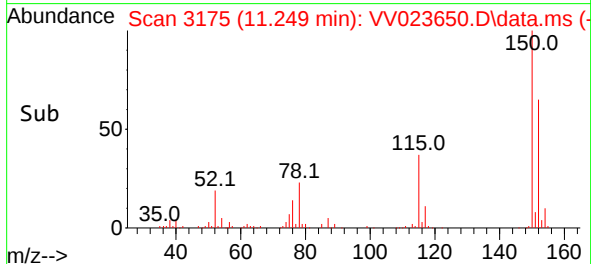
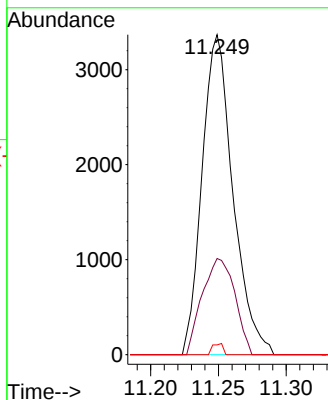
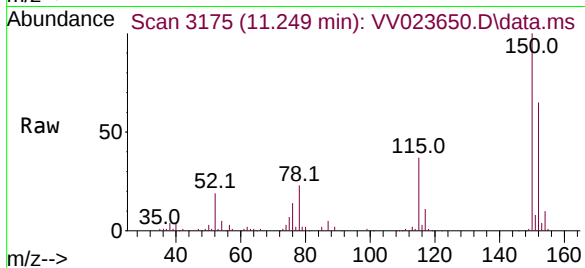




#61
 1,2,3-Trichloropropane
 Concen: 1.589 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.977 min
 Lab File: VV023650.D
 Acq: 19 Nov 2021 17:51

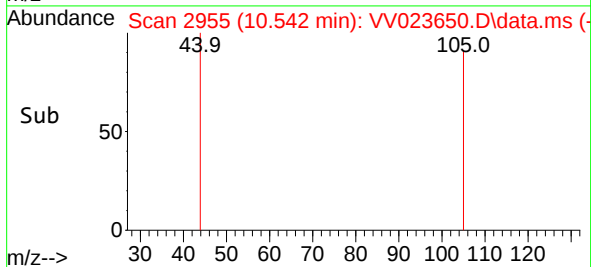
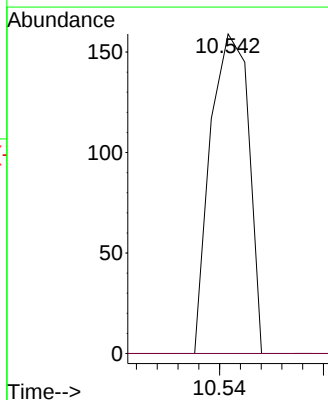
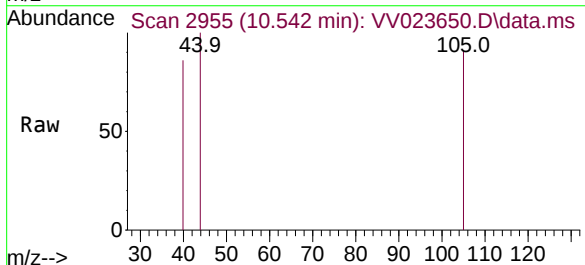
Instrument :
 MSVOA_V
 ClientSampleId :

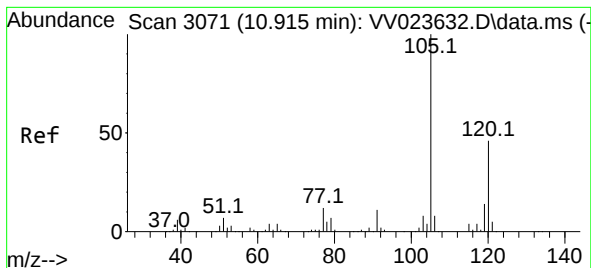
Tgt Ion: 75 Resp: 5343
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.6 39.8
 110 1.2 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.003 ug/L
 RT: 10.542 min Scan# 2955
 Delta R.T. 0.003 min
 Lab File: VV023650.D
 Acq: 19 Nov 2021 17:51

Tgt Ion: 105 Resp: 81
 Ion Ratio Lower Upper
 105 100
 120 0.0 39.7 59.5#





#63

1,2,4-Trimethylbenzene

Concen: 0.007 ug/L

RT: 10.921 min Scan# 3071

Delta R.T. 0.006 min

Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Instrument :

MSVOA_V

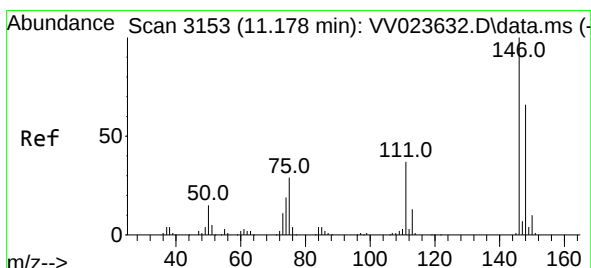
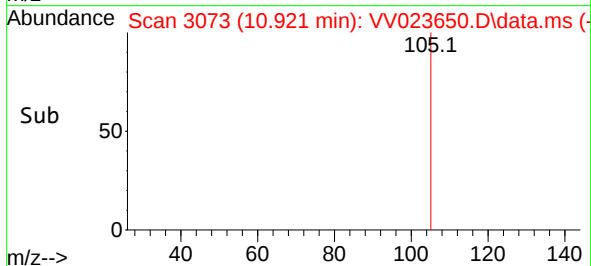
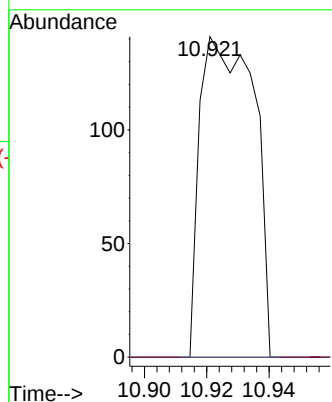
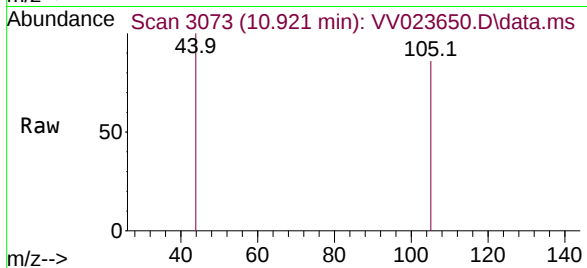
ClientSampleId :

Tgt Ion:105 Resp: 169

Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.2#



#64

1,3-Dichlorobenzene

Concen: 0.001 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.071 min

Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

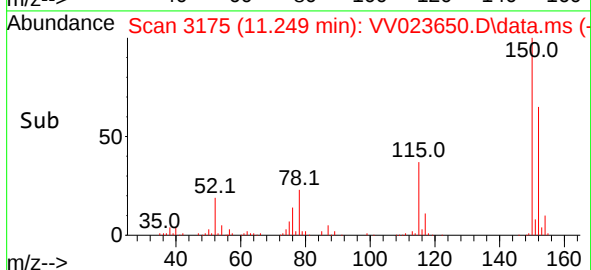
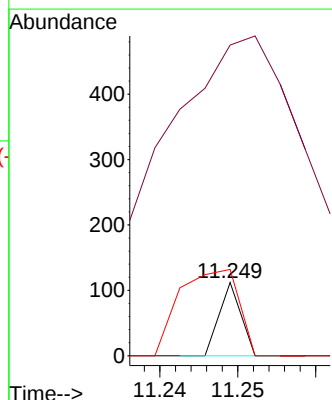
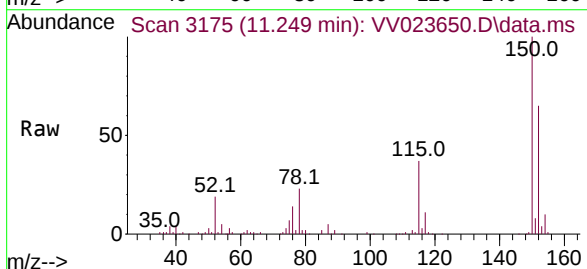
Tgt Ion:146 Resp: 22

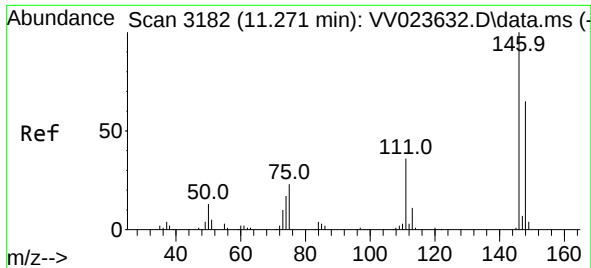
Ion Ratio Lower Upper

146 100

111 424.1 26.7 49.7#

148 117.9 42.9 79.7#





#65

1,4-Dichlorobenzene

Concen: 0.001 ug/L

RT: 11.249 min Scan# 31

Delta R.T. -0.022 min

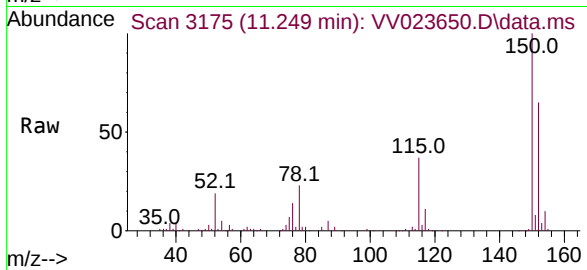
Lab File: VV023650.D

Acq: 19 Nov 2021 17:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 22

Ion Ratio Lower Upper

146 100

111 424.1 26.2 48.8#

148 117.9 44.4 82.5#

