

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111921\
 Data File : VW023649.D
 Acq On : 19 Nov 2021 17:27
 Operator : SY/MD
 Sample : M4706-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:50:06 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	114015	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	113960	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50139	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	23809	3.333	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.568	69	21090	3.623	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.400%
11) 1,1-Dichloroethene-d2	2.108	63	33396	2.498	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.000%#
20) 2-Butanone-d5	3.912	46	40742	33.109	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.220%
24) Chloroform-d	4.352	84	56427	3.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.200%
26) 1,2-Dichloroethane-d4	5.037	65	26299	3.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.800%
32) Benzene-d6	5.053	84	92918	3.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.600%#
36) 1,2-Dichloropropane-d6	6.072	67	30079	3.495	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.800%
41) Toluene-d8	7.317	98	75561	2.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	55.200%#
43) trans-1,3-Dichloroprop...	7.629	79	11036	3.381	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.600%
46) 2-Hexanone-d5	8.092	63	41374	34.454	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.900%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	21971	3.549	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	33572	4.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2803	0.297	ug/L	89
5) Vinyl chloride	1.307	62	198	0.021	ug/L #	1
6) Bromomethane	1.532	94	19	0.003	ug/L #	3
8) Chloroethane	1.581	64	312	0.057	ug/L #	43
9) Trichlorofluoromethane	1.754	101	53	0.004	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	302	0.042	ug/L #	18
12) 1,1-Dichloroethene	2.108	96	392	0.058	ug/L #	1
13) Acetone	2.195	43	1379	1.834	ug/L	84
14) Carbon disulfide	2.294	76	219	0.009	ug/L #	75
15) Methyl Acetate	2.439	43	153	0.072	ug/L #	47
16) Methylene chloride	2.507	84	23596	2.378	ug/L	98
21) 2-Butanone	3.989	43	115	0.095	ug/L #	51
25) Chloroform	4.378	83	18964	1.261	ug/L	100
27) 1,2-Dichloroethane	5.156	62	41	0.005	ug/L #	72
33) Benzene	5.044	78	326	0.010	ug/L	100
35) Methylcyclohexane	6.072	83	7786	0.582	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	3701	0.498	ug/L #	85
38) Bromodichloromethane	6.523	83	1691	0.170	ug/L #	87
39) cis-1,3-Dichloropropene	6.989	75	676	0.063	ug/L	84

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 22 01:44:25 2021
Response via : Initial Calibration

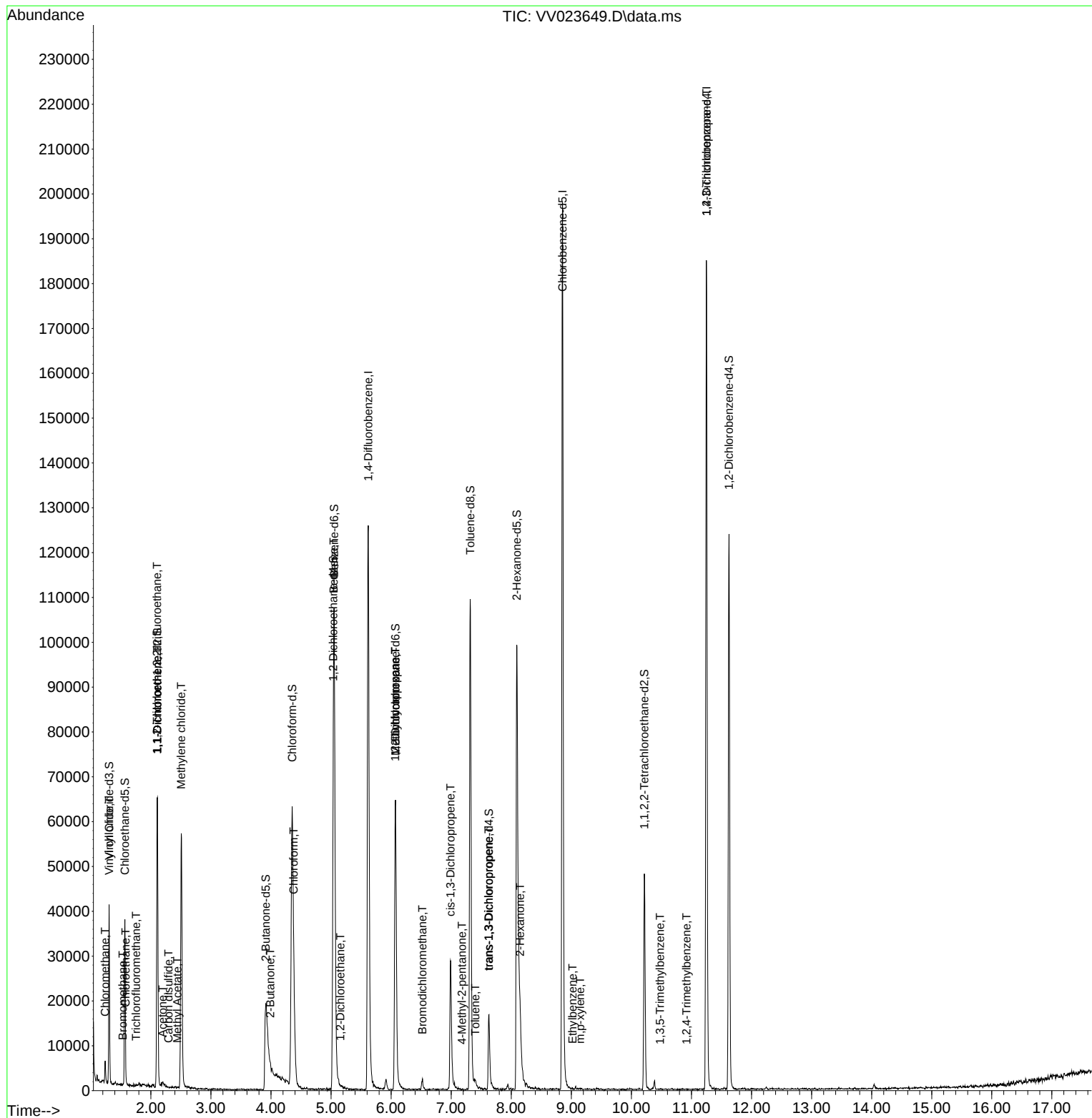
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	7.178	43	63	0.018	ug/L #	44
42) Toluene	7.404	91	1460	0.043	ug/L	88
44) trans-1,3-Dichloropropene	7.625	75	450	0.051	ug/L	85
48) 2-Hexanone	8.146	43	3909	1.618	ug/L #	81
52) Ethylbenzene	9.021	91	134	0.004	ug/L #	42
53) m,p-xylene	9.146	106	71	0.005	ug/L	73
61) 1,2,3-Trichloropropane	11.249	75	5271	1.583	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.477	105	51	0.002	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.918	105	64	0.003	ug/L #	30

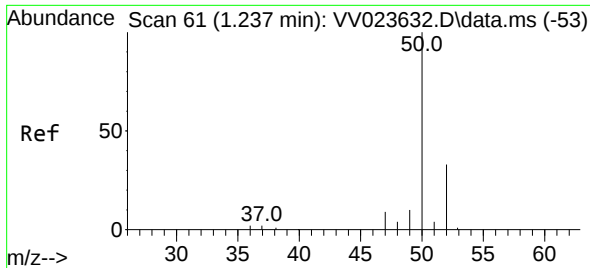
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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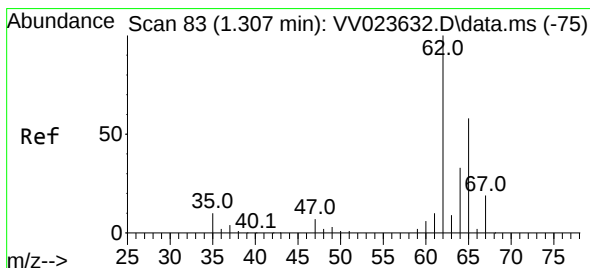
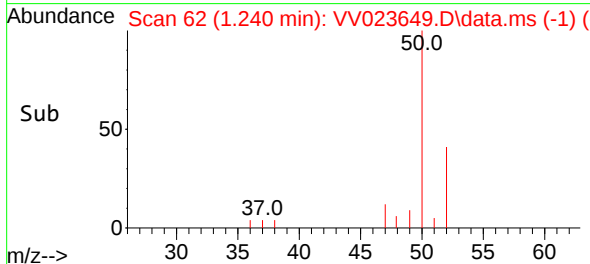
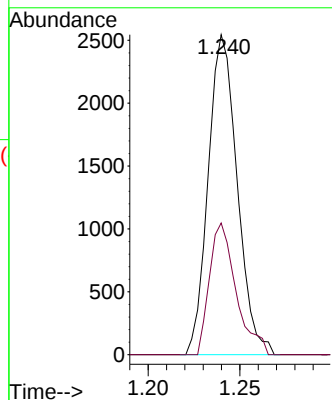
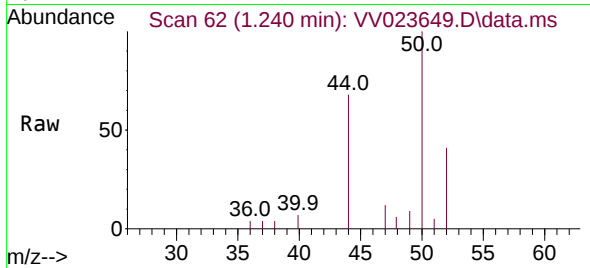




#3
Chloromethane
Concen: 0.297 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

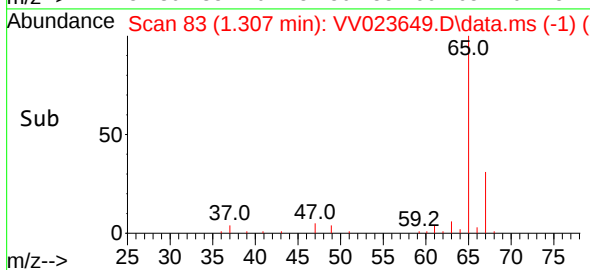
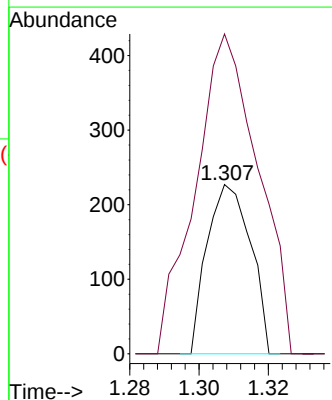
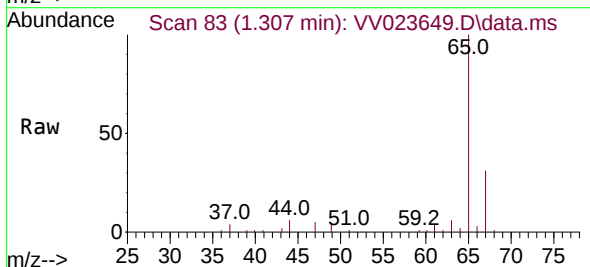
Instrument :
MSVOA_V
ClientSampleId :

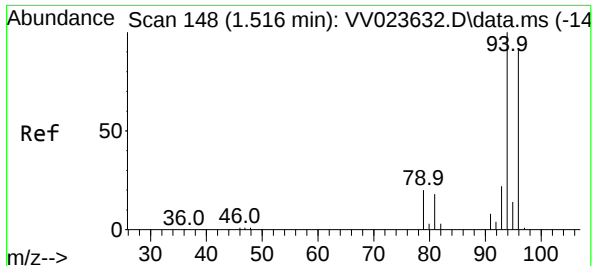
Tgt Ion: 50 Resp: 2803
Ion Ratio Lower Upper
50 100
52 41.1 24.3 45.1



#5
Vinyl chloride
Concen: 0.021 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.000 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

Tgt Ion: 62 Resp: 198
Ion Ratio Lower Upper
62 100
64 189.0 23.1 42.9#

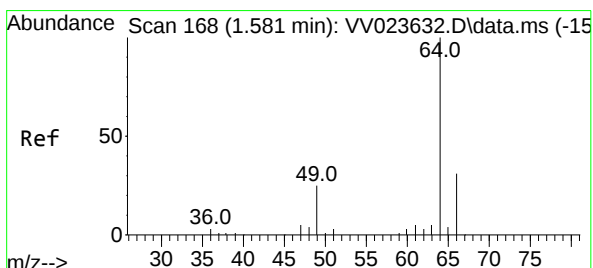
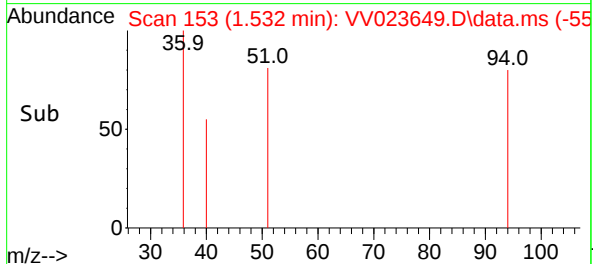
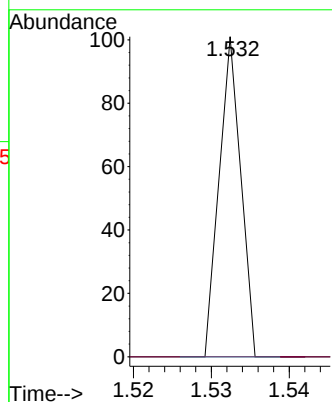
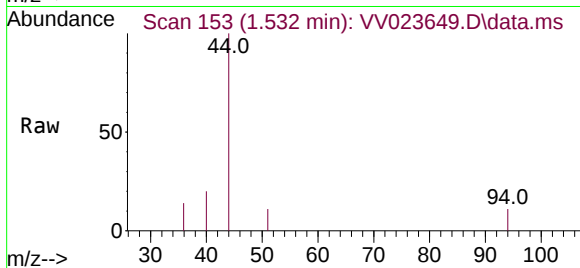




#6
Bromomethane
Concen: 0.003 ug/L
RT: 1.532 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

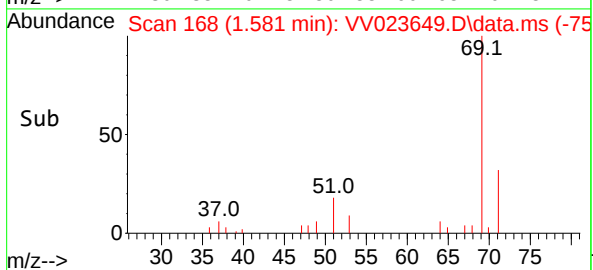
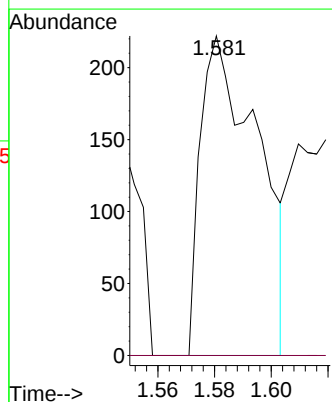
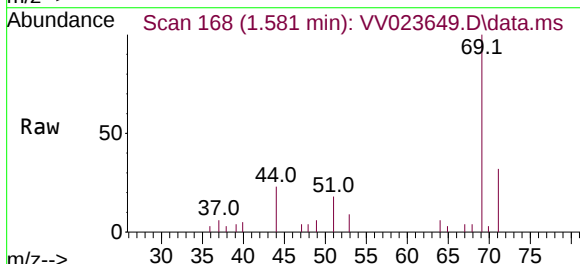
Instrument :
MSVOA_V
ClientSampleId :

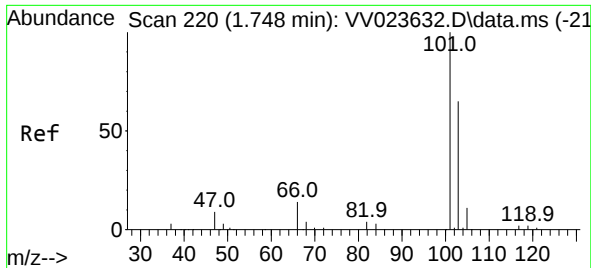
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 65.0 120.8#



#8
Chloroethane
Concen: 0.057 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.000 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

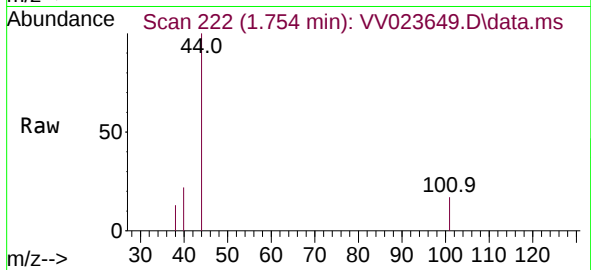
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 22.1 41.1#



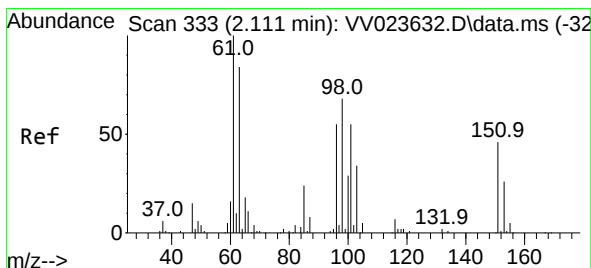
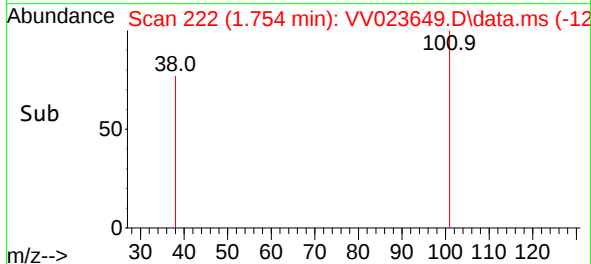
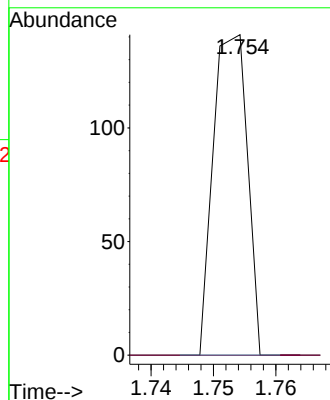


#9
 Trichlorofluoromethane
 Concen: 0.004 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VV023649.D
 Acq: 19 Nov 2021 17:27

Instrument :
 MSVOA_V
 ClientSampleId :

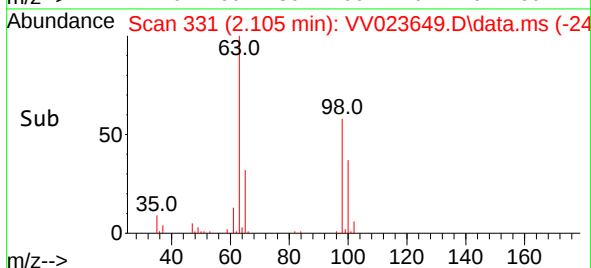
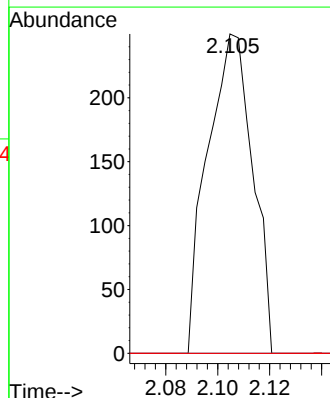
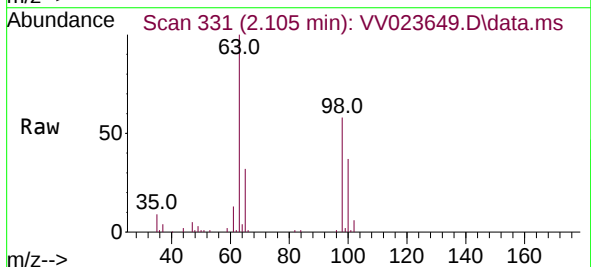


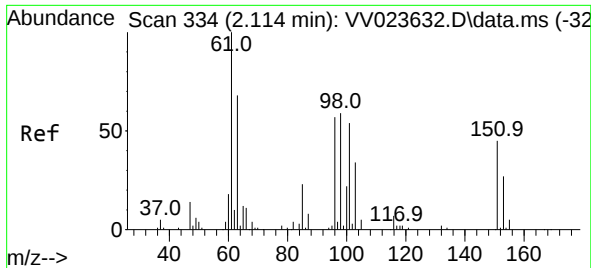
Tgt Ion:101 Resp: 53
 Ion Ratio Lower Upper
 101 100
 103 0.0 52.6 79.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.042 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.006 min
 Lab File: VV023649.D
 Acq: 19 Nov 2021 17:27

Tgt Ion:101 Resp: 302
 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: 0.058 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

ClientSampleId :

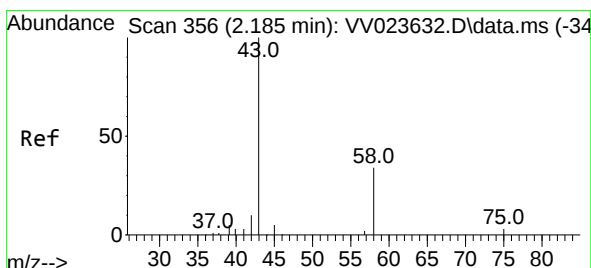
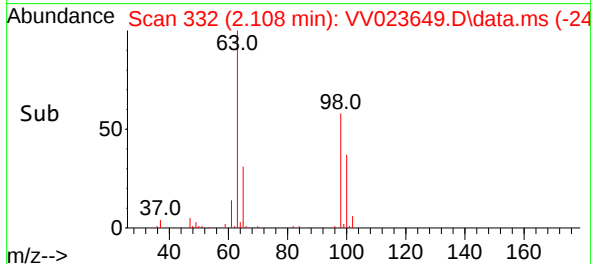
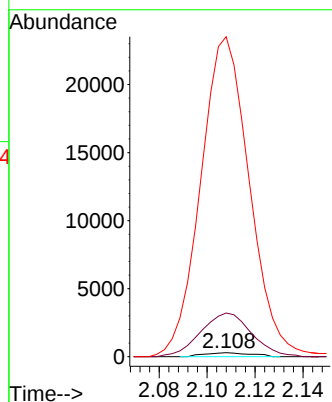
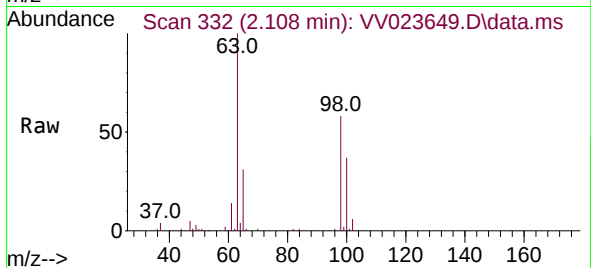
Tgt Ion: 96 Resp: 392

Ion Ratio Lower Upper

96 100

61 1092.2 121.5 225.7#

63 8000.0 99.6 185.0#



#13

Acetone

Concen: 1.834 ug/L

RT: 2.195 min Scan# 359

Delta R.T. 0.010 min

Lab File: VV023649.D

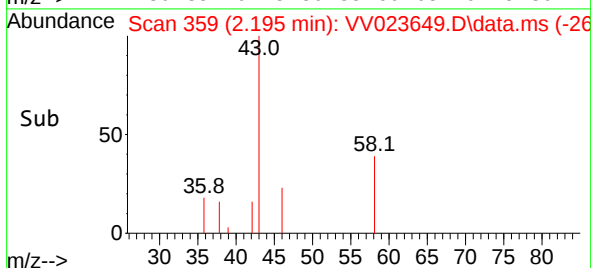
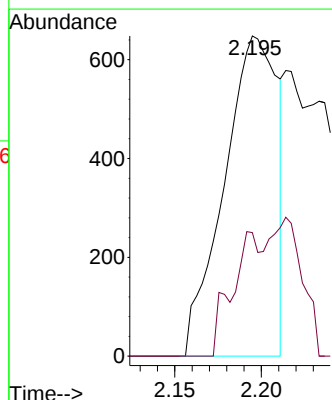
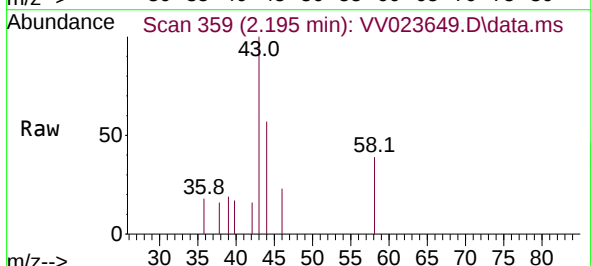
Acq: 19 Nov 2021 17:27

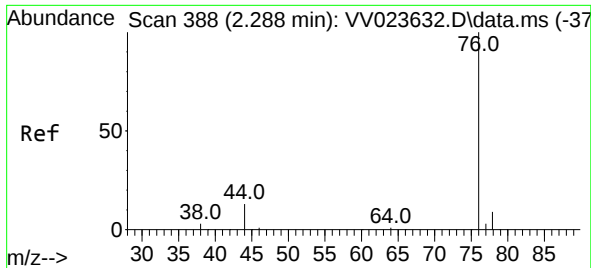
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

58 19.5 0.0 55.4

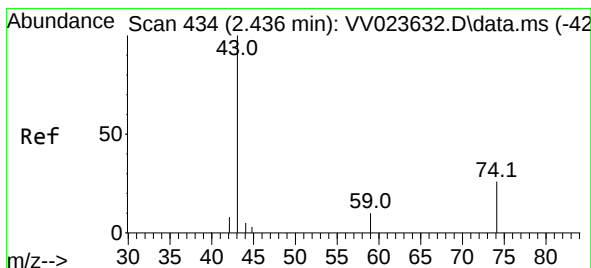
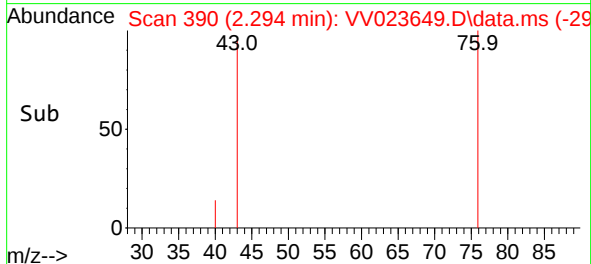
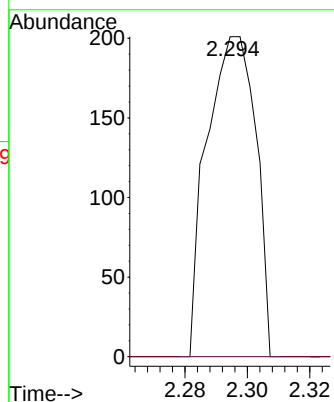
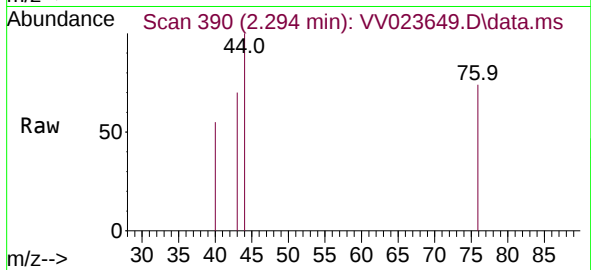




#14
Carbon disulfide
Concen: 0.009 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.007 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

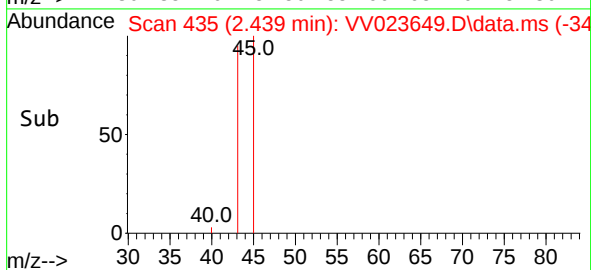
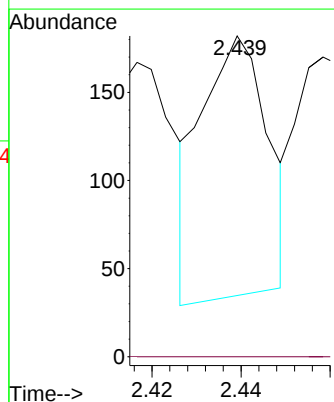
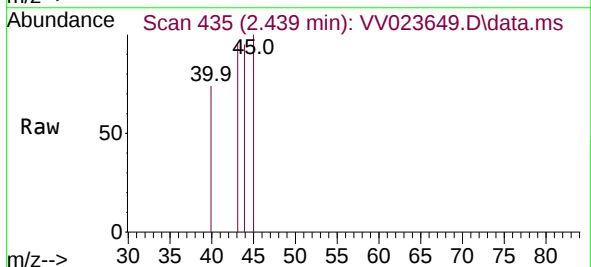
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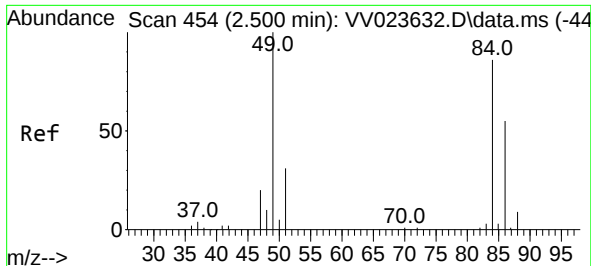
Tgt Ion: 76 Resp: 219
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#15
Methyl Acetate
Concen: 0.072 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.003 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

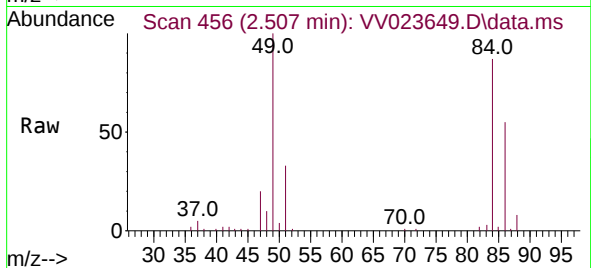
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



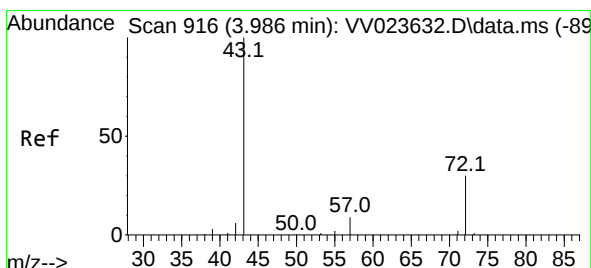
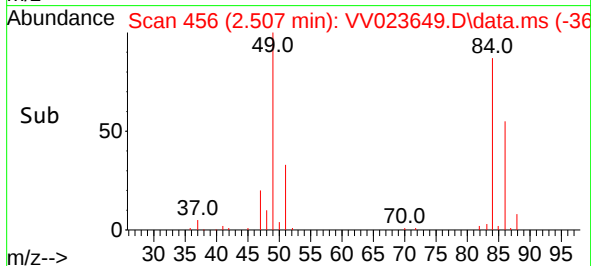
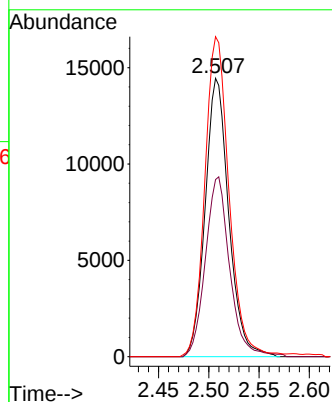


#16
Methylene chloride
Concen: 2.378 ug/L
RT: 2.507 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV023649.D
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Instrument :
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ClientSampleId :

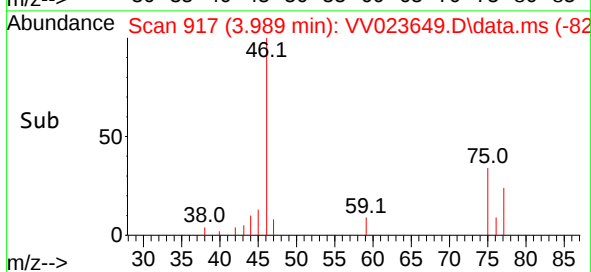
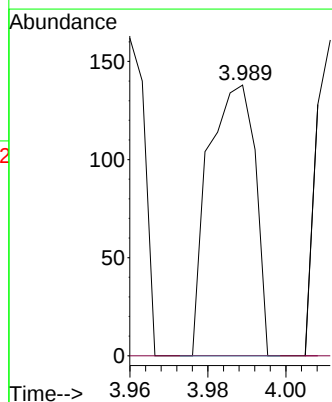
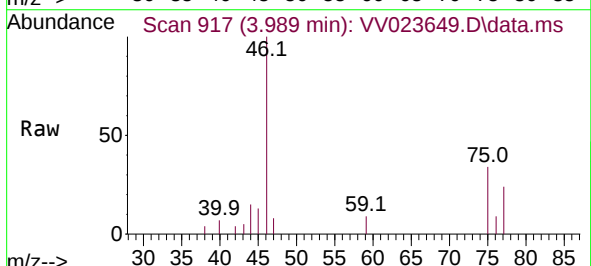


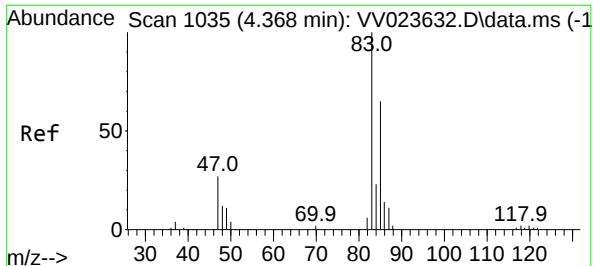
Tgt Ion: 84 Resp: 23596
Ion Ratio Lower Upper
84 100
86 63.6 42.3 78.5
49 115.0 79.7 148.1



#21
2-Butanone
Concen: 0.095 ug/L
RT: 3.989 min Scan# 917
Delta R.T. 0.003 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
72 0.0 11.9 35.9#





#25

Chloroform

Concen: 1.261 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

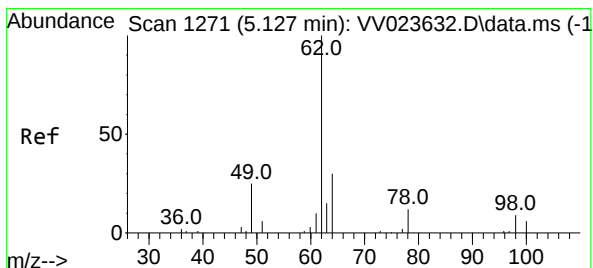
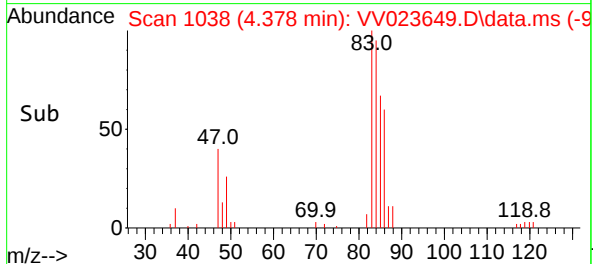
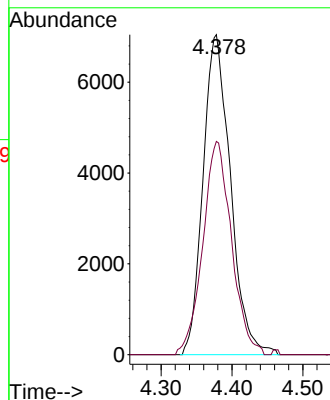
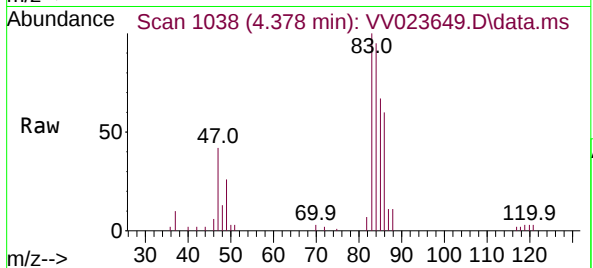
ClientSampleId :

Tgt Ion: 83 Resp: 18964

Ion Ratio Lower Upper

83 100

85 66.6 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.005 ug/L

RT: 5.156 min Scan# 1280

Delta R.T. 0.029 min

Lab File: VV023649.D

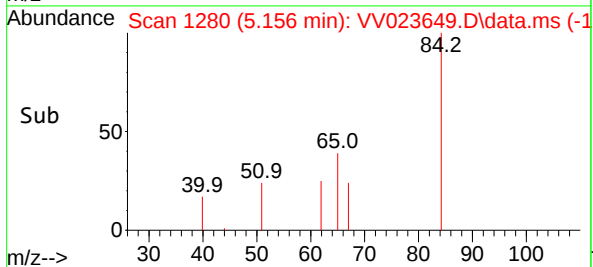
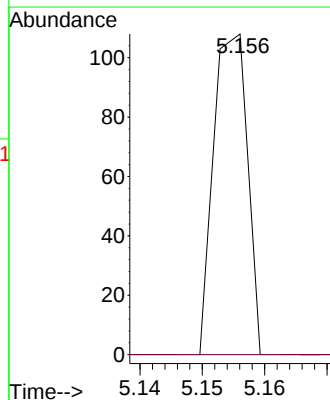
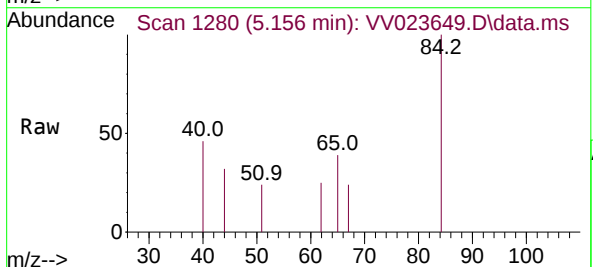
Acq: 19 Nov 2021 17:27

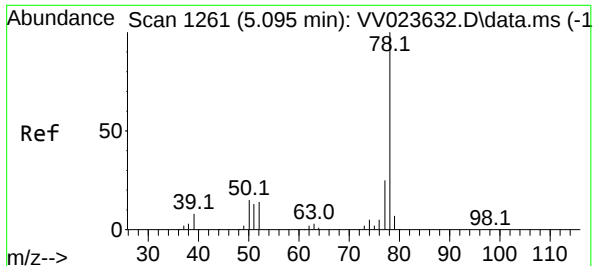
Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

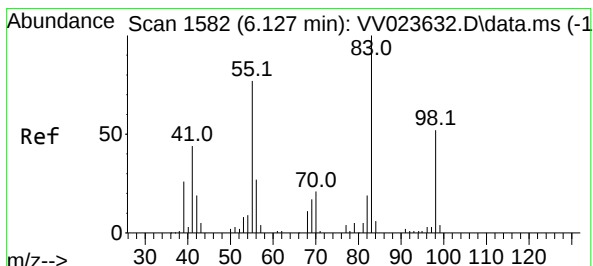
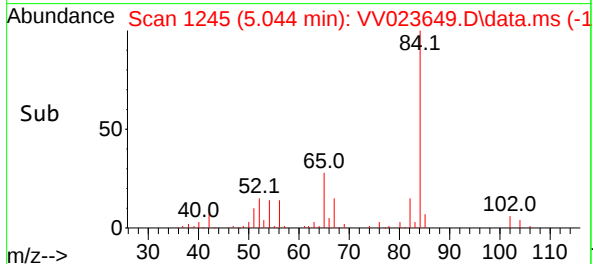
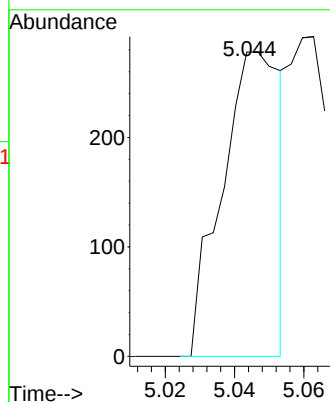
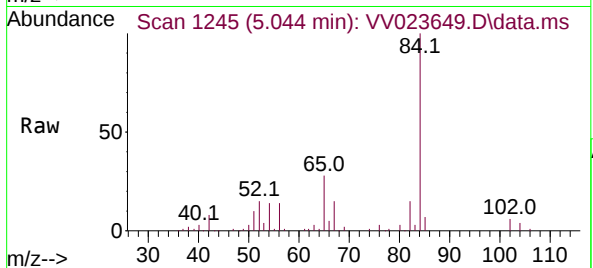




#33
Benzene
Concen: 0.010 ug/L
RT: 5.044 min Scan# 11
Delta R.T. -0.051 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

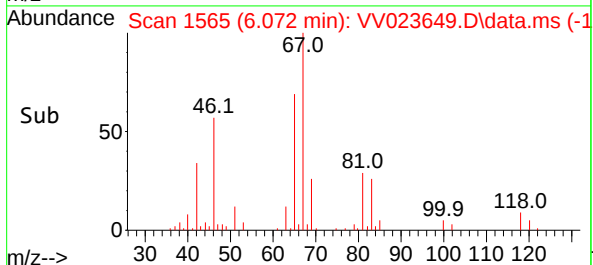
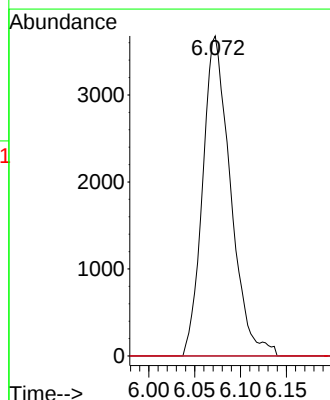
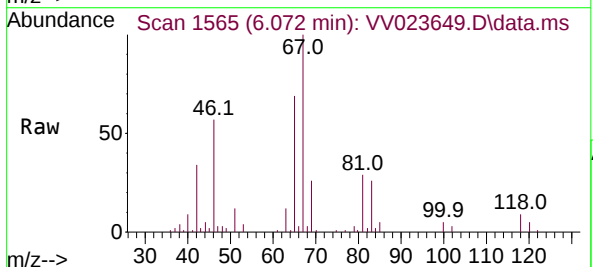
Instrument :
MSVOA_V
ClientSampleId :

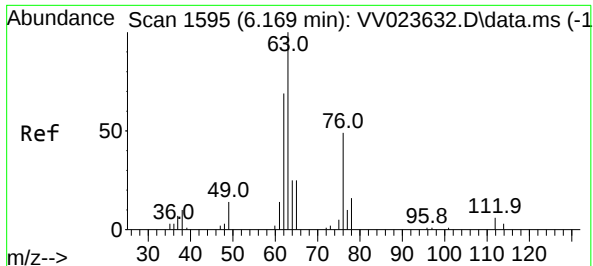
Tgt Ion: 78 Resp: 326



#35
Methylcyclohexane
Concen: 0.582 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

Tgt Ion: 83 Resp: 7786
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 1.2 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.498 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

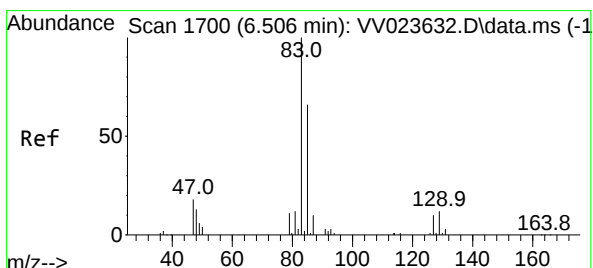
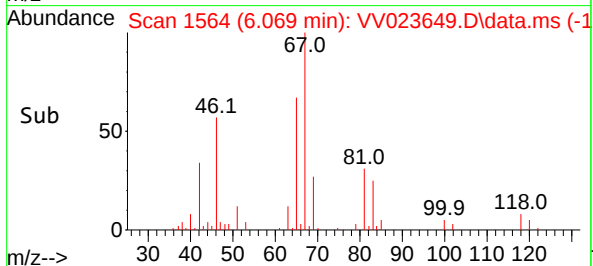
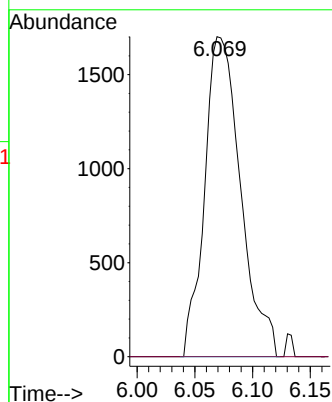
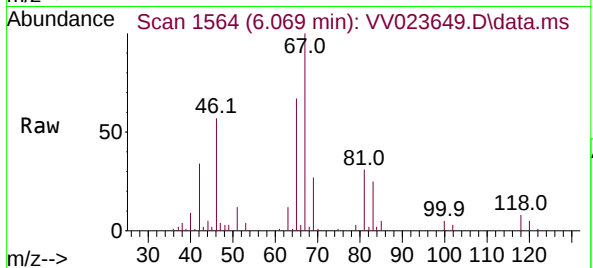
ClientSampleId :

Tgt Ion: 63 Resp: 3701

Ion Ratio Lower Upper

63 100

112 0.5 4.6 6.8#



#38

Bromodichloromethane

Concen: 0.170 ug/L

RT: 6.523 min Scan# 1705

Delta R.T. 0.016 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

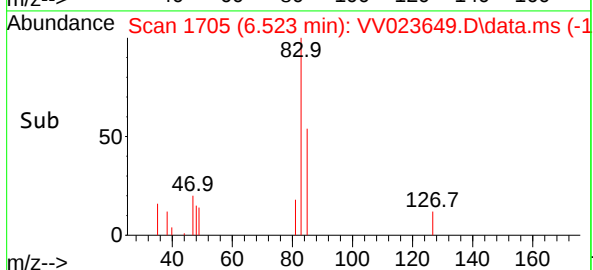
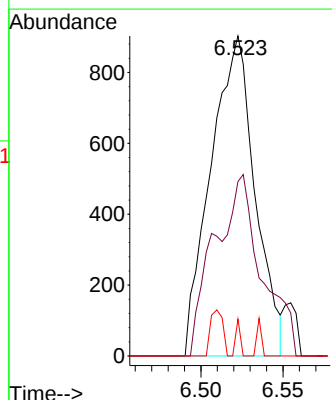
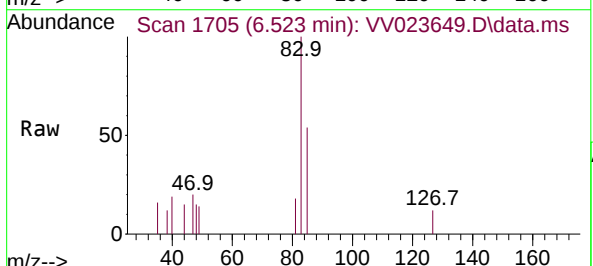
Tgt Ion: 83 Resp: 1691

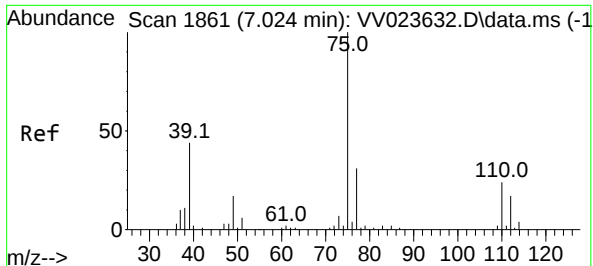
Ion Ratio Lower Upper

83 100

85 54.5 46.1 85.7

127 11.5 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.063 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

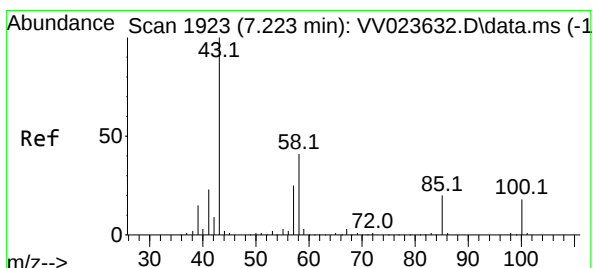
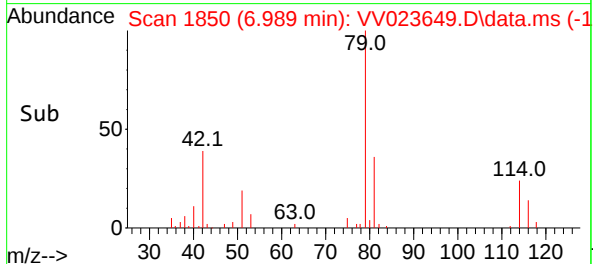
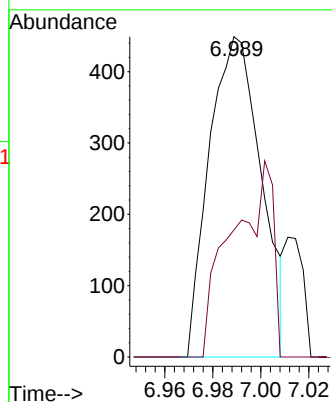
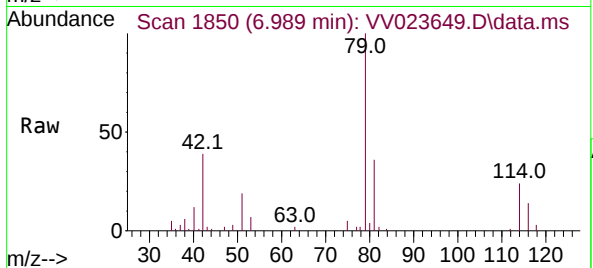
ClientSampleId :

Tgt Ion: 75 Resp: 676

Ion Ratio Lower Upper

75 100

77 39.6 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 0.018 ug/L

RT: 7.178 min Scan# 1909

Delta R.T. -0.045 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

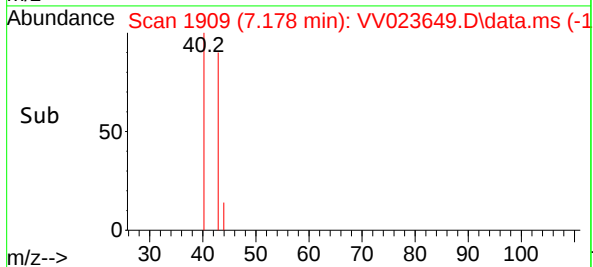
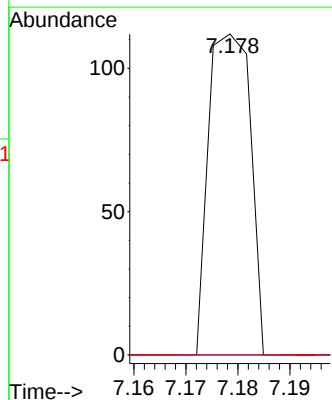
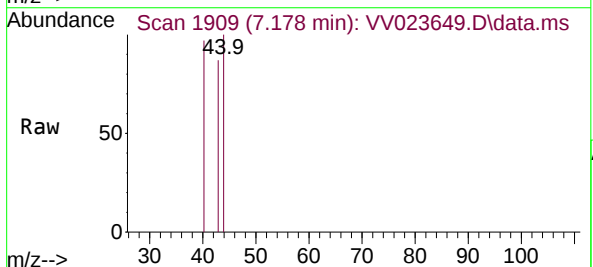
Tgt Ion: 43 Resp: 63

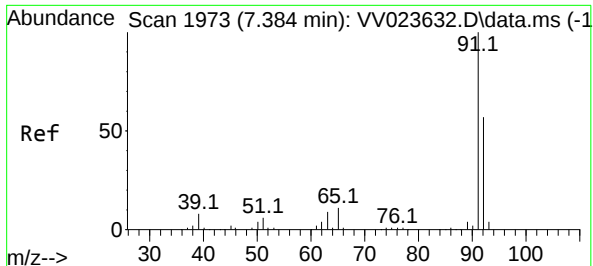
Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#

100 0.0 12.6 19.0#





#42

Toluene

Concen: 0.043 ug/L

RT: 7.404 min Scan# 1973

Delta R.T. 0.019 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

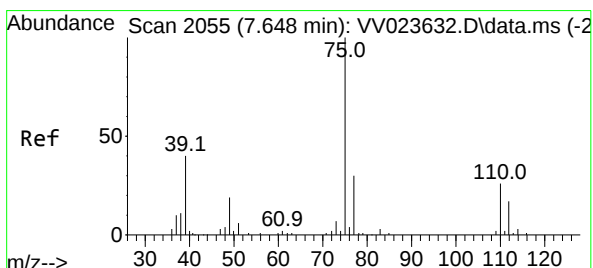
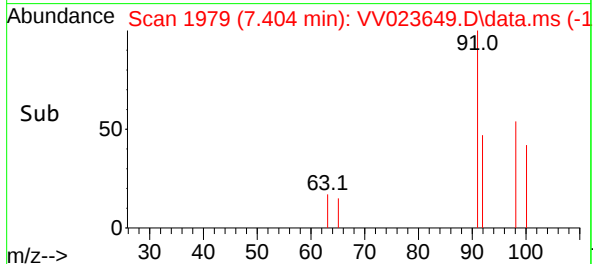
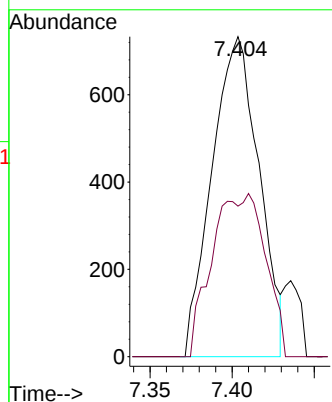
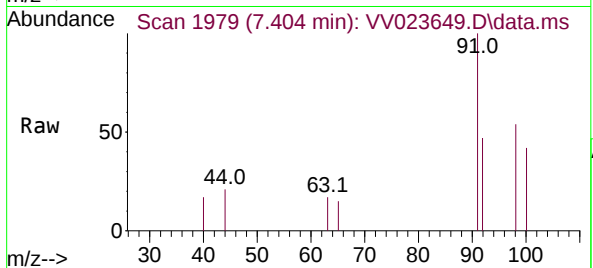
ClientSampleId :

Tgt Ion: 91 Resp: 1460

Ion Ratio Lower Upper

91 100

92 47.1 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.022 min

Lab File: VV023649.D

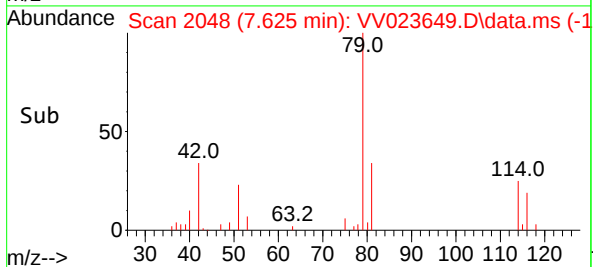
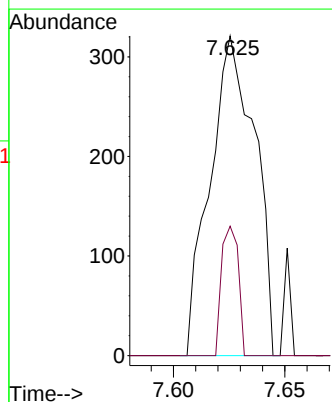
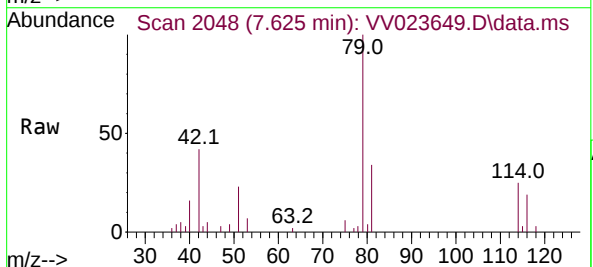
Acq: 19 Nov 2021 17:27

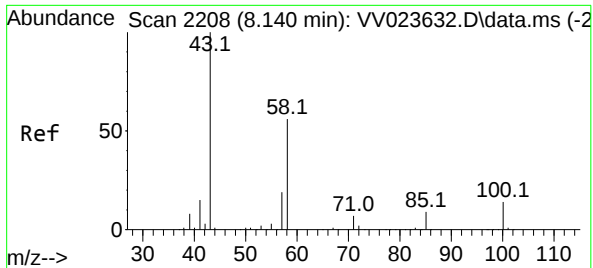
Tgt Ion: 75 Resp: 450

Ion Ratio Lower Upper

75 100

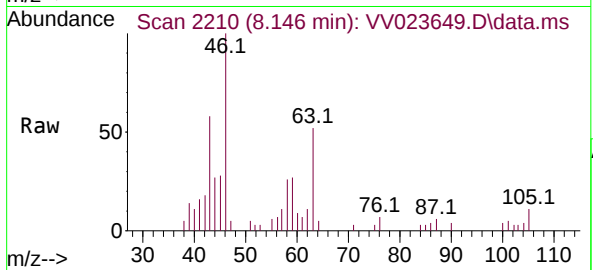
77 40.5 22.5 41.7



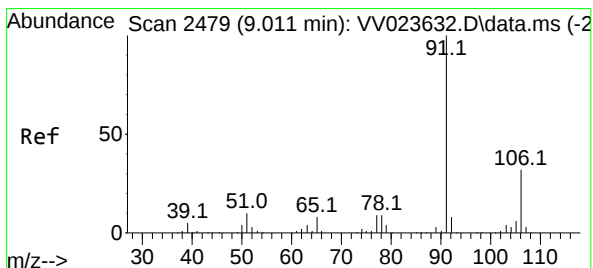
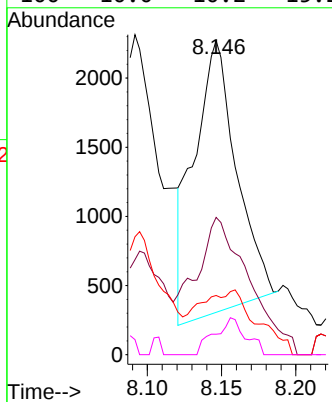
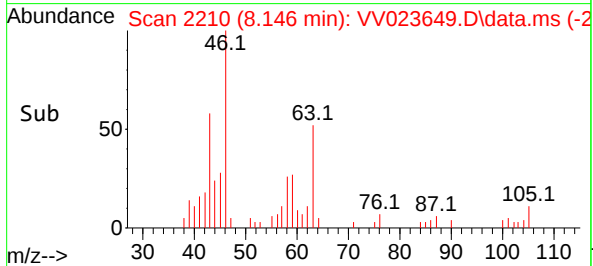


#48
2-Hexanone
Concen: 1.618 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

Instrument :
MSVOA_V
ClientSampleId :

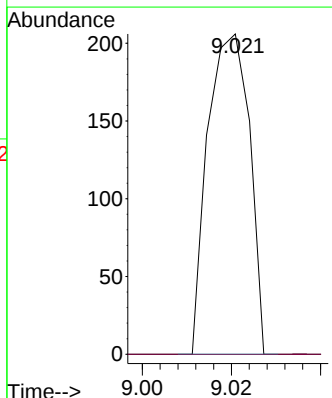
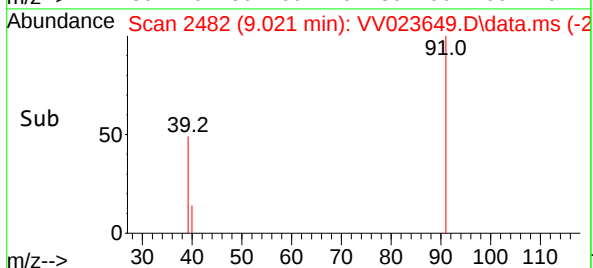
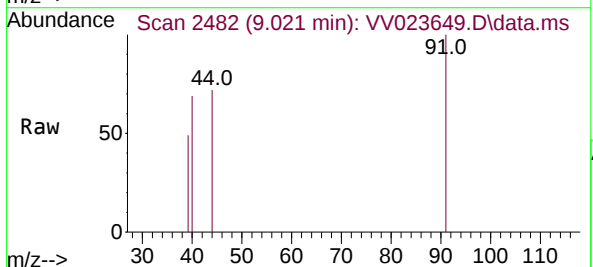


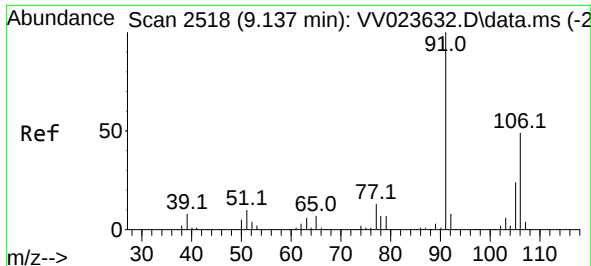
Tgt Ion	Ratio	Lower	Upper
43	100		
58	65.9	43.7	65.5#
57	33.3	14.1	21.1#
100	10.0	10.2	15.2#



#52
Ethylbenzene
Concen: 0.004 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

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

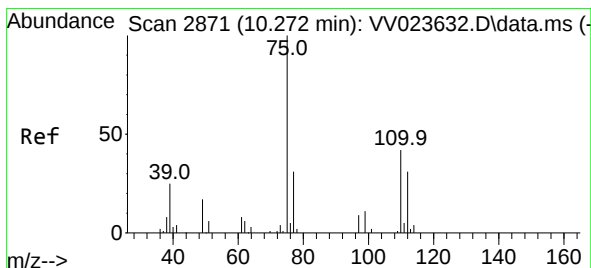
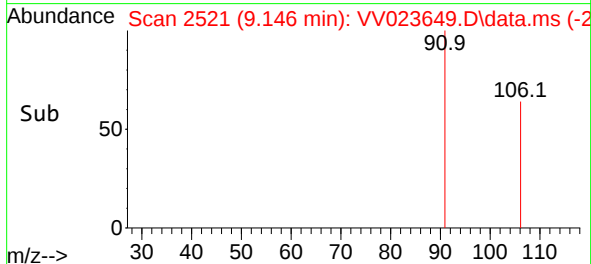
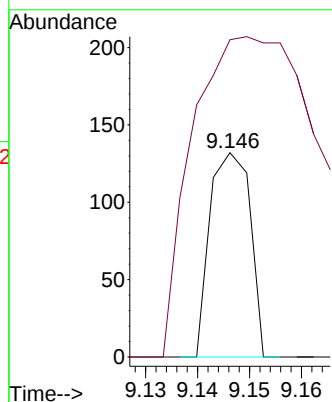
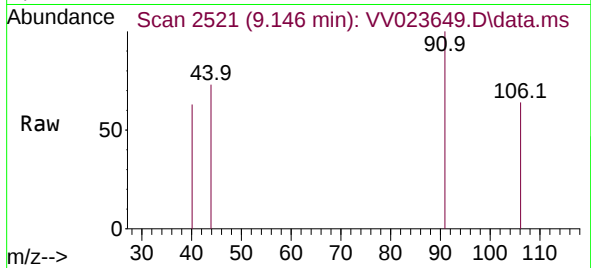




#53
m,p-xylene
Concen: 0.005 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

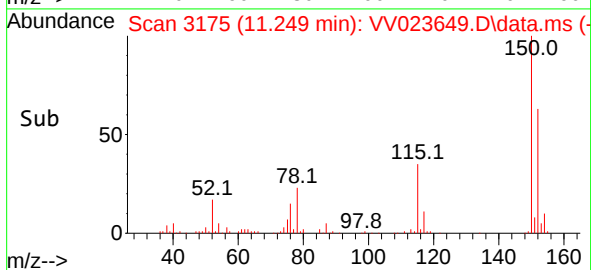
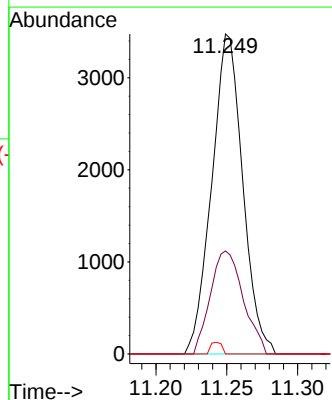
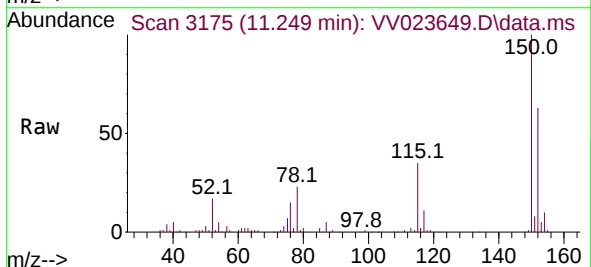
Instrument :
MSVOA_V
ClientSampleId :

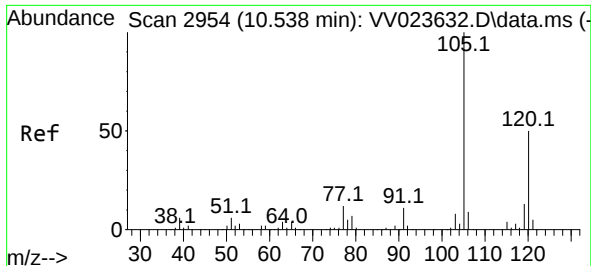
Tgt Ion:106 Resp: 71
Ion Ratio Lower Upper
106 100
91 155.3 137.2 254.8



#61
1,2,3-Trichloropropane
Concen: 1.583 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023649.D
Acq: 19 Nov 2021 17:27

Tgt Ion: 75 Resp: 5271
Ion Ratio Lower Upper
75 100
77 34.2 26.6 39.8
110 1.3 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.002 ug/L

RT: 10.477 min Scan# 2954

Delta R.T. -0.061 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Instrument :

MSVOA_V

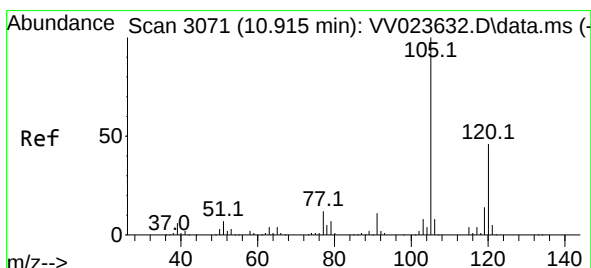
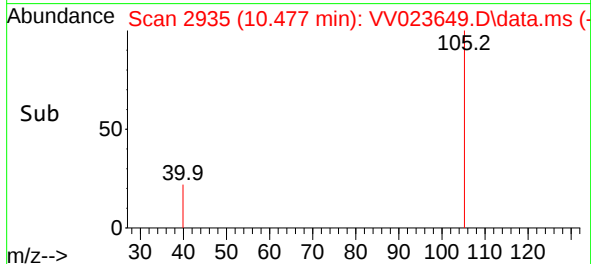
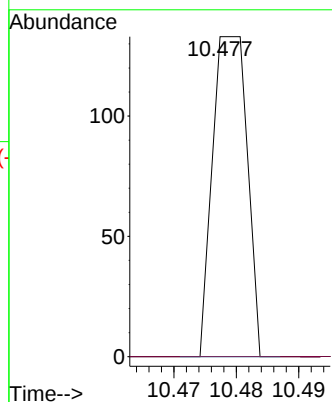
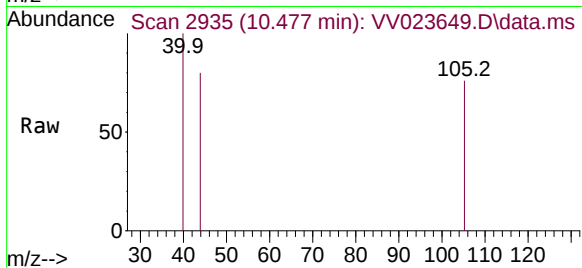
ClientSampleId :

Tgt Ion:105 Resp: 51

Ion Ratio Lower Upper

105 100

120 0.0 39.7 59.5#



#63

1,2,4-Trimethylbenzene

Concen: 0.003 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV023649.D

Acq: 19 Nov 2021 17:27

Tgt Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.2#

