

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111921\
 Data File : VW023647.D
 Acq On : 19 Nov 2021 16:39
 Operator : SY/MD
 Sample : M4706-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:49:29 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	107367	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	108629	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	48023	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25769	3.831	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.568	69	23288	4.248	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.108	63	36106	2.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.400%#
20) 2-Butanone-d5	3.902	46	44912	38.758	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.520%
24) Chloroform-d	4.352	84	58766	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.034	65	27773	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.053	84	98712	3.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.800%
36) 1,2-Dichloropropane-d6	6.069	67	31940	3.893	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.800%
41) Toluene-d8	7.317	98	80162	3.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.400%#
43) trans-1,3-Dichloroprop...	7.628	79	10730	3.449	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.000%
46) 2-Hexanone-d5	8.091	63	42064	36.748	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	22393	3.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	35409	4.428	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2397	0.269	ug/L	96
5) Vinyl chloride	1.307	62	182	0.020	ug/L #	1
6) Bromomethane	1.532	94	20	0.004	ug/L #	3
8) Chloroethane	1.590	64	152	0.030	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	298	0.044	ug/L #	18
12) 1,1-Dichloroethene	2.105	96	369	0.058	ug/L #	1
13) Acetone	2.191	43	1894	2.675	ug/L	55
14) Carbon disulfide	2.291	76	303	0.013	ug/L #	75
15) Methyl Acetate	2.423	43	95	0.047	ug/L #	47
16) Methylene chloride	2.507	84	24393	2.611	ug/L	98
21) 2-Butanone	3.982	43	193	0.169	ug/L #	51
25) Chloroform	4.378	83	19414	1.371	ug/L	97
27) 1,2-Dichloroethane	5.043	62	397	0.053	ug/L #	72
33) Benzene	5.108	78	117	0.004	ug/L	100
35) Methylcyclohexane	6.072	83	8020	0.629	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	3750	0.529	ug/L #	83
38) Bromodichloromethane	6.519	83	1634	0.172	ug/L #	77
39) cis-1,3-Dichloropropene	6.992	75	845	0.083	ug/L #	58
40) 4-Methyl-2-pentanone	7.243	43	94	0.029	ug/L #	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111921\
 Data File : VV023647.D
 Acq On : 19 Nov 2021 16:39
 Operator : SY/MD
 Sample : M4706-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:49:29 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)

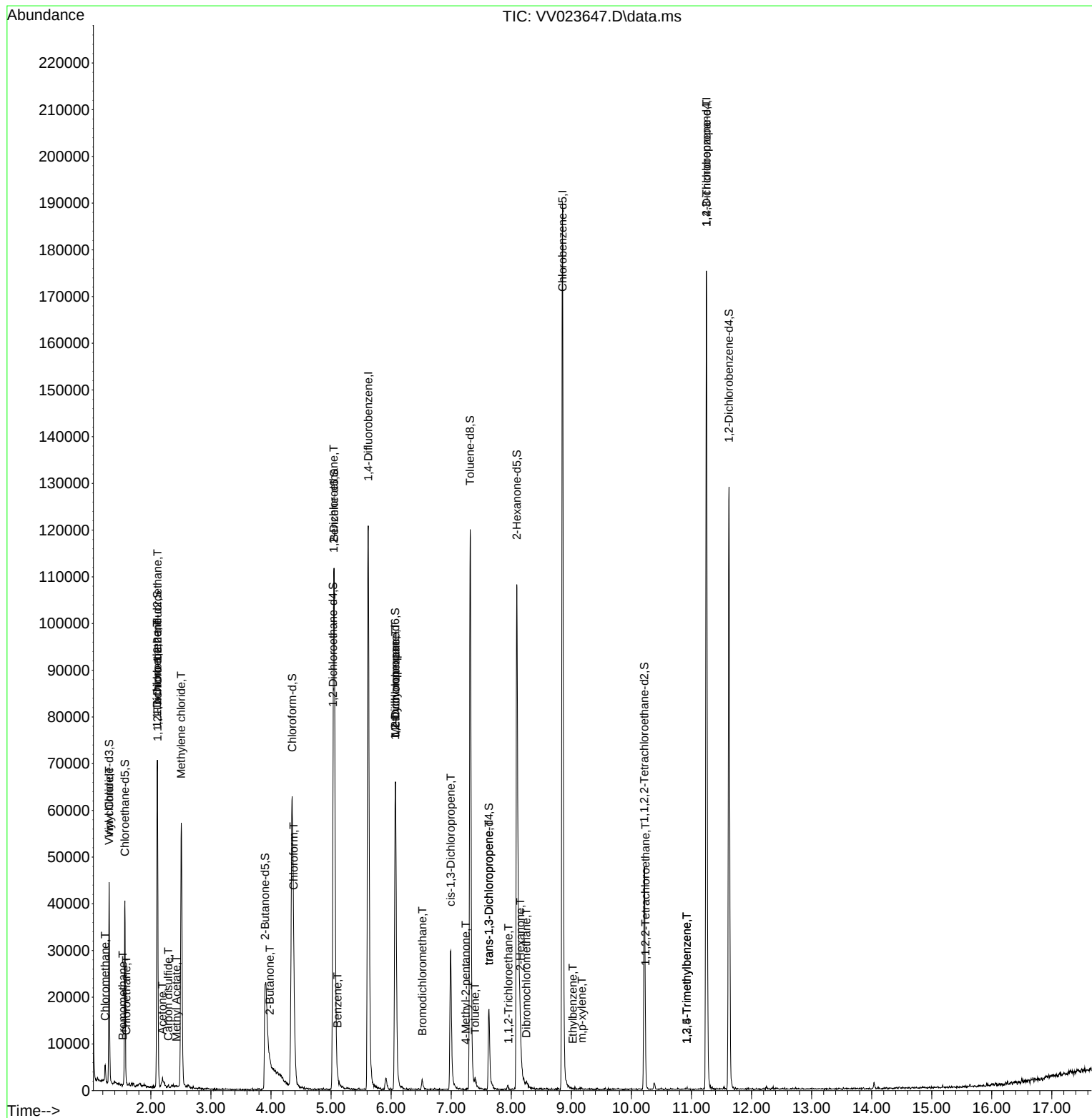
42) Toluene	7.400	91	1426	0.044	ug/L	89
44) trans-1,3-Dichloropropene	7.628	75	578	0.068	ug/L	97
45) 1,1,2-Trichloroethane	7.953	97	20	0.004	ug/L #	15
48) 2-Hexanone	8.149	43	4691	2.036	ug/L #	82
49) Dibromochloromethane	8.249	129	20	0.003	ug/L #	10
52) Ethylbenzene	9.027	91	144	0.004	ug/L #	42
53) m,p-xylene	9.175	106	40	0.003	ug/L	71
57) 1,1,2,2-Tetrachloroethane	10.233	83	64	0.011	ug/L #	1
61) 1,2,3-Trichloropropane	11.249	75	5198	1.629	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.921	105	174	0.008	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.921	105	174	0.008	ug/L #	47

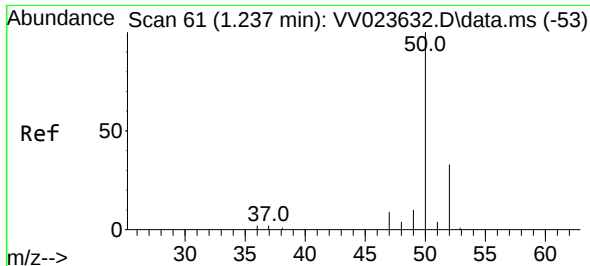
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111921\
 Data File : VV023647.D
 Acq On : 19 Nov 2021 16:39
 Operator : SY/MD
 Sample : M4706-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:49:29 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

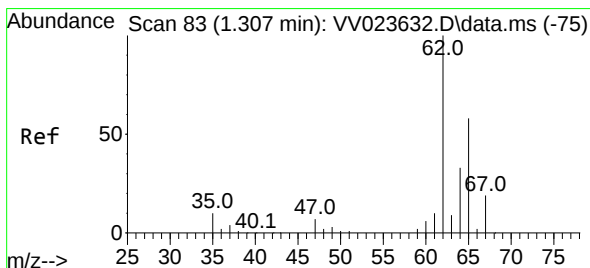
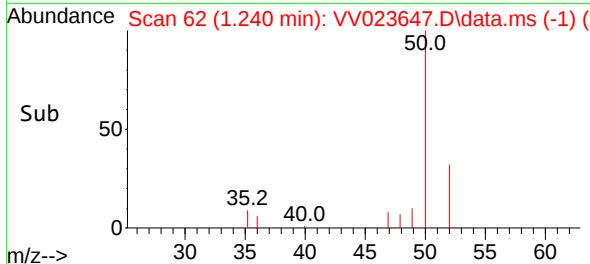
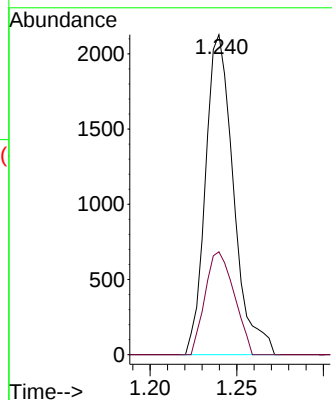
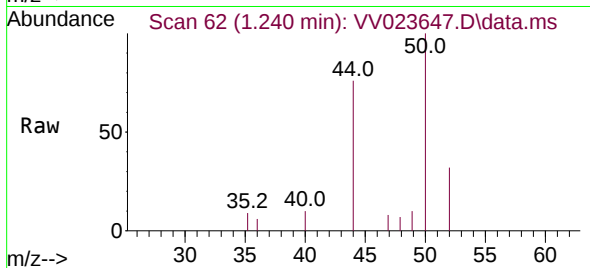




#3
Chloromethane
Concen: 0.269 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

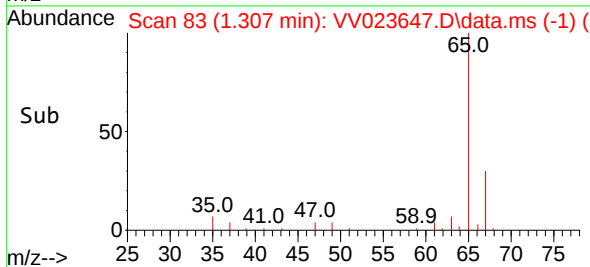
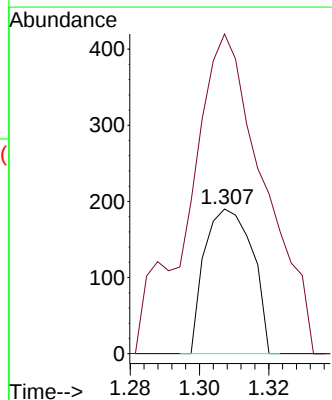
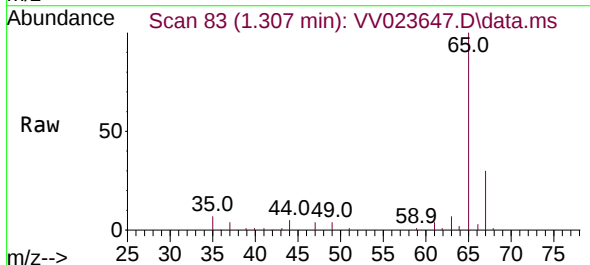
Instrument :
MSVOA_V
ClientSampleId :

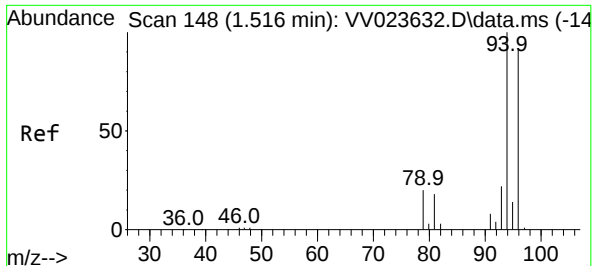
Tgt Ion: 50 Resp: 2397
Ion Ratio Lower Upper
50 100
52 32.1 24.3 45.1



#5
Vinyl chloride
Concen: 0.020 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 62 Resp: 182
Ion Ratio Lower Upper
62 100
64 221.1 23.1 42.9

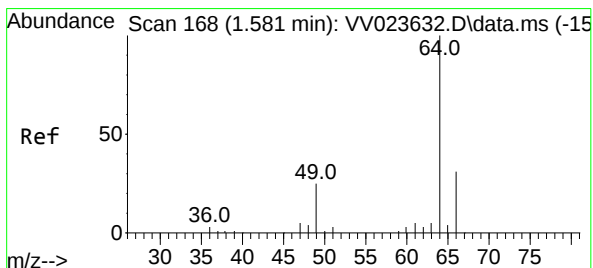
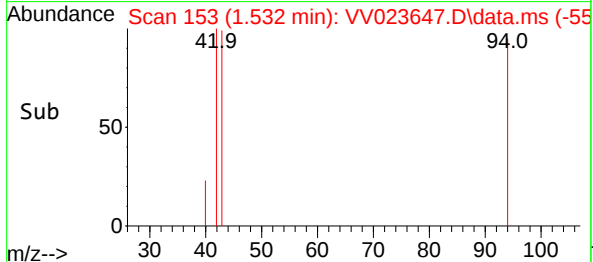
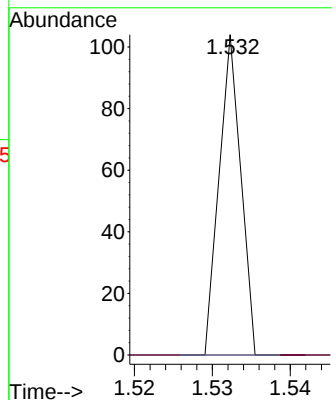
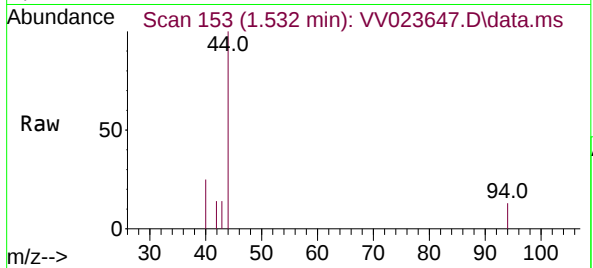




#6
Bromomethane
Concen: 0.004 ug/L
RT: 1.532 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

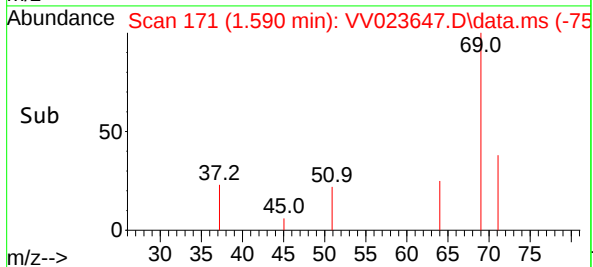
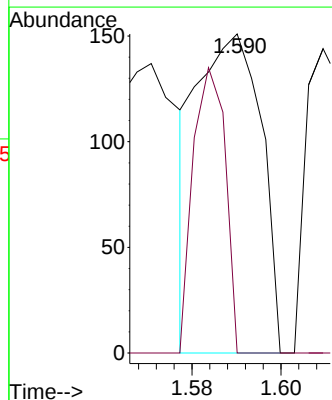
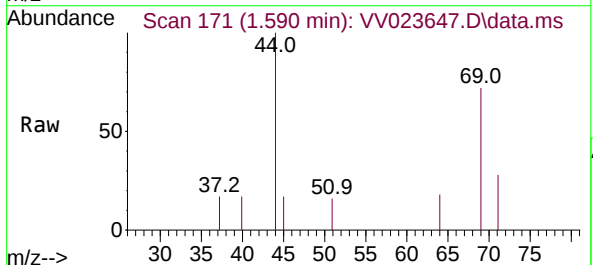
Instrument :
MSVOA_V
ClientSampleId :

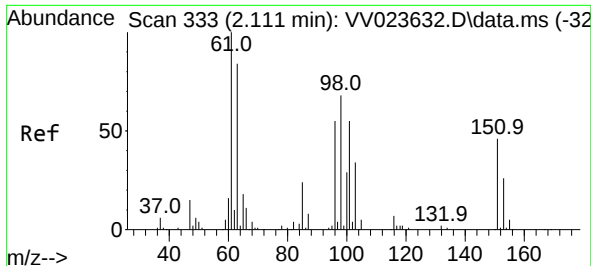
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 65.0 120.8#



#8
Chloroethane
Concen: 0.030 ug/L
RT: 1.590 min Scan# 171
Delta R.T. 0.010 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 22.1 41.1#

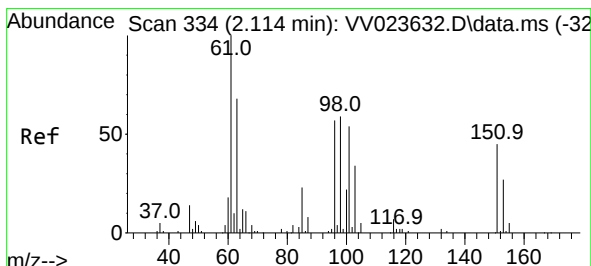
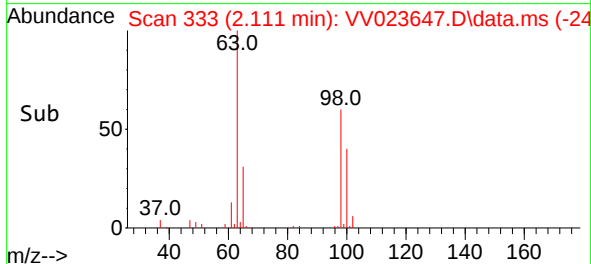
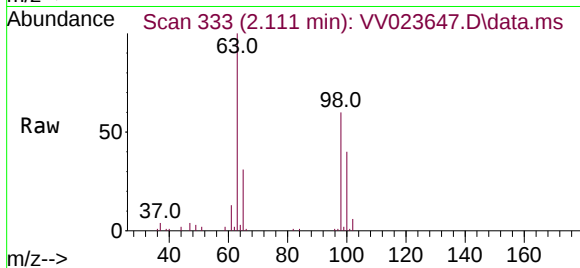




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.044 ug/L
 RT: 2.111 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV023647.D
 Acq: 19 Nov 2021 16:39

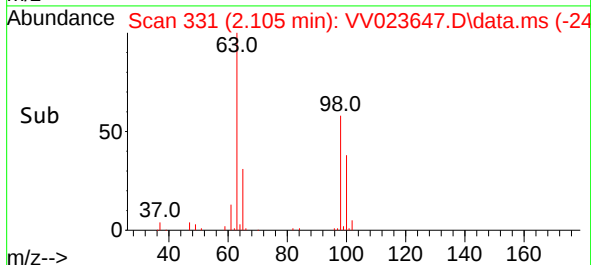
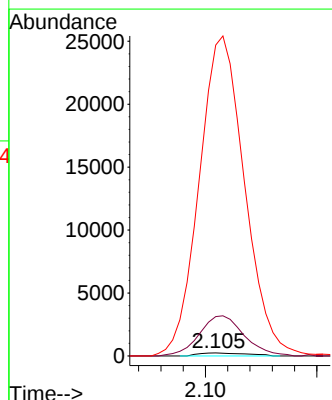
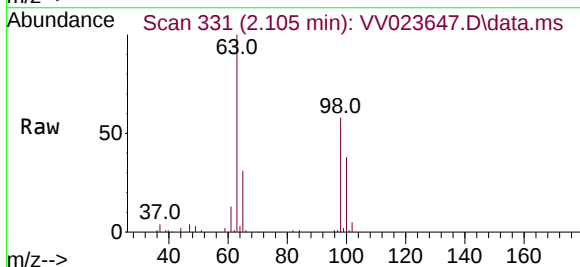
Instrument :
 MSVOA_V
 ClientSampleId :

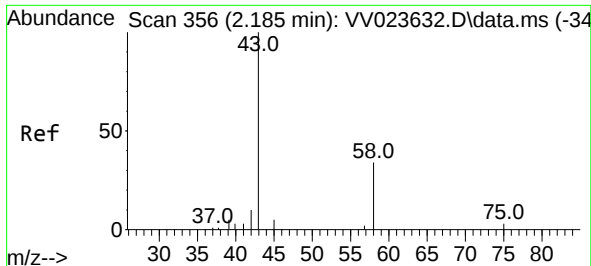
Tgt Ion:101 Resp: 298
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.3 52.9#
 151 0.0 62.2 93.2#



#12
 1,1-Dichloroethene
 Concen: 0.058 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.010 min
 Lab File: VV023647.D
 Acq: 19 Nov 2021 16:39

Tgt Ion: 96 Resp: 369
 Ion Ratio Lower Upper
 96 100
 61 1291.3 121.5 225.7#
 63 10205.0 99.6 185.0#

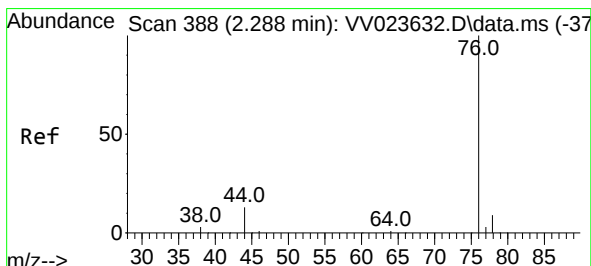
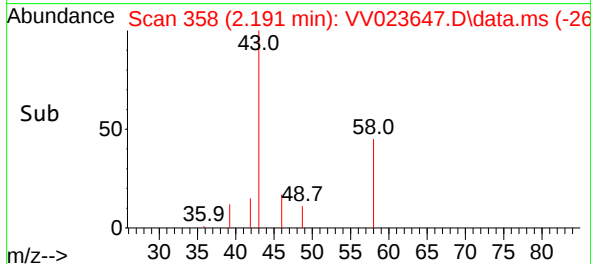
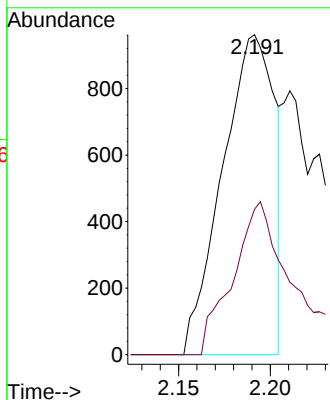
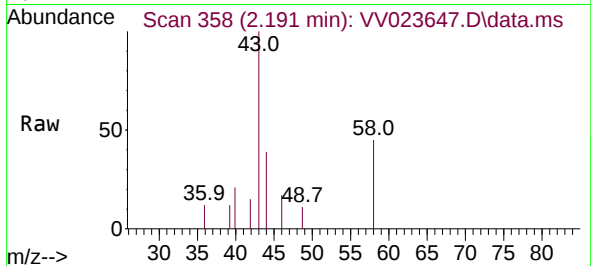




#13
Acetone
Concen: 2.675 ug/L
RT: 2.191 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

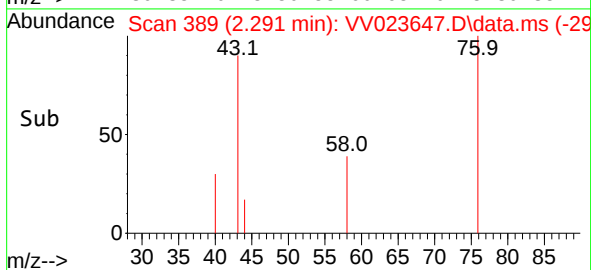
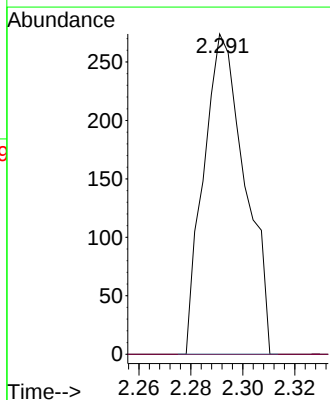
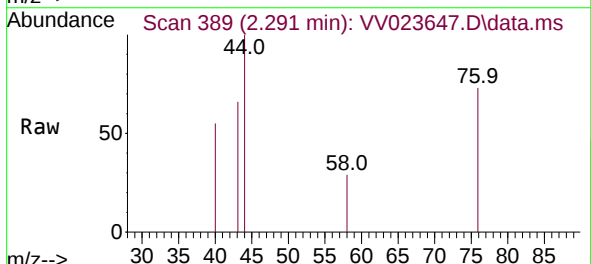
Instrument :
MSVOA_V
ClientSampleId :

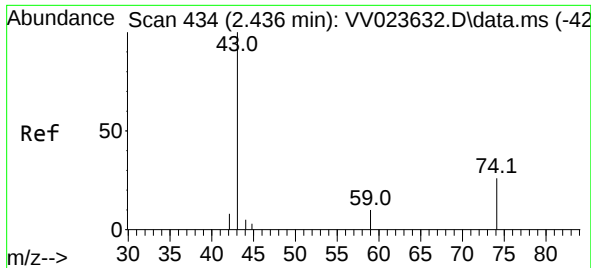
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 51.5 0.0 55.4



#14
Carbon disulfide
Concen: 0.013 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 76 Resp: 303
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

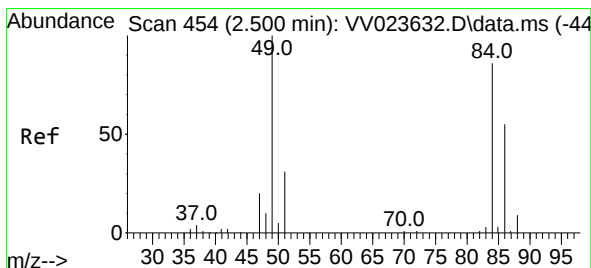
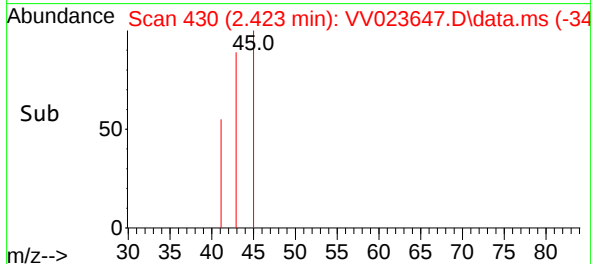
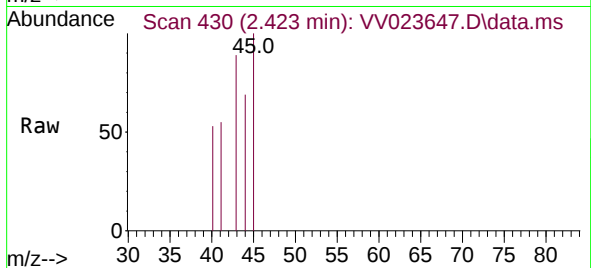




#15
Methyl Acetate
Concen: 0.047 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.013 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

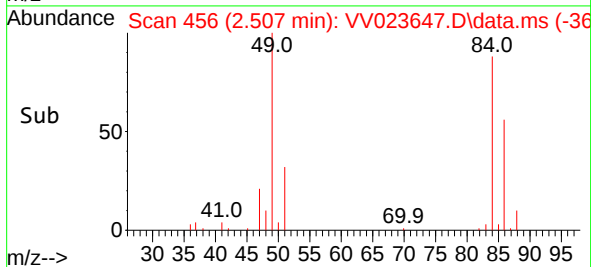
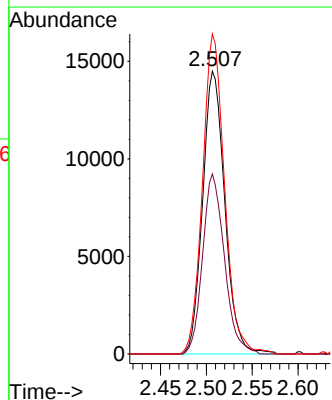
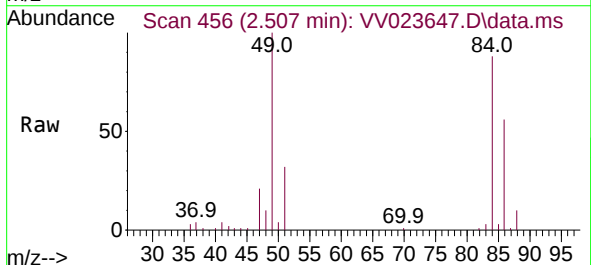
Instrument :
MSVOA_V
ClientSampleId :

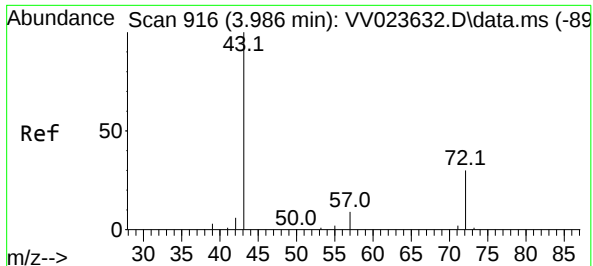
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#16
Methylene chloride
Concen: 2.611 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.006 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 84 Resp: 24393
Ion Ratio Lower Upper
84 100
86 63.6 42.3 78.5
49 113.2 79.7 148.1





#21

2-Butanone

Concen: 0.169 ug/L

RT: 3.982 min Scan# 916

Delta R.T. -0.003 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

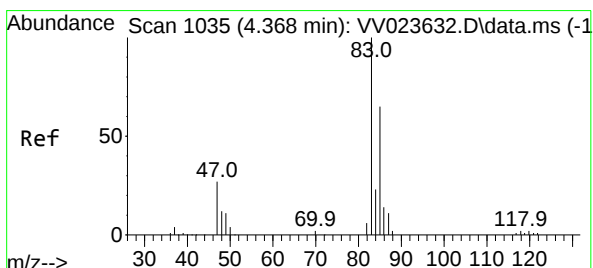
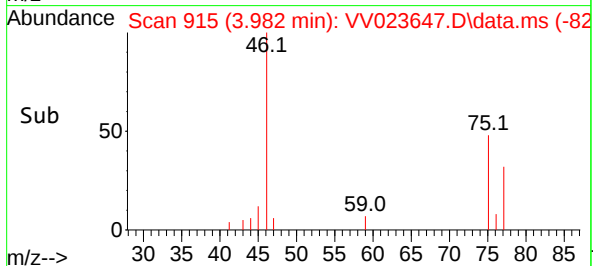
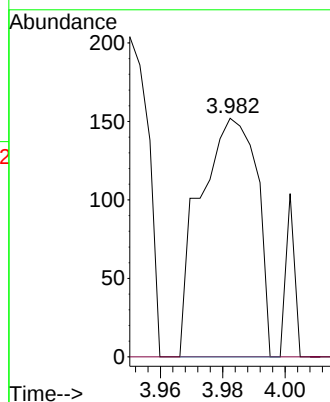
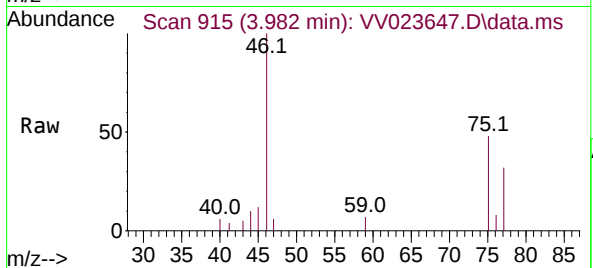
ClientSampleId :

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

72 0.0 11.9 35.9#



#25

Chloroform

Concen: 1.371 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.010 min

Lab File: VV023647.D

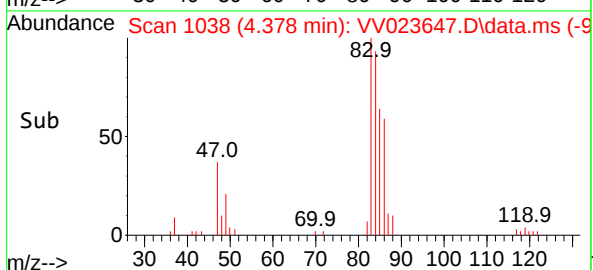
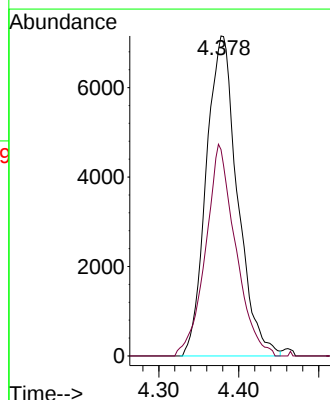
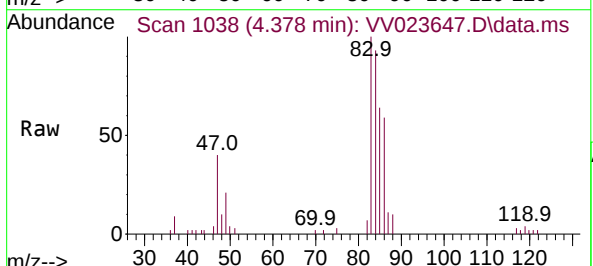
Acq: 19 Nov 2021 16:39

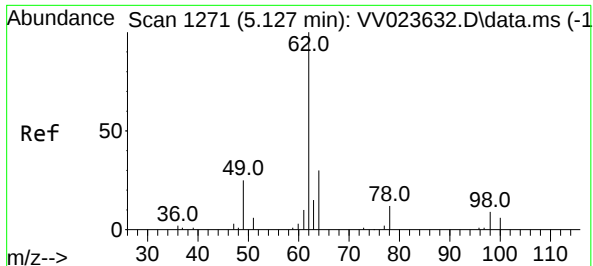
Tgt Ion: 83 Resp: 19414

Ion Ratio Lower Upper

83 100

85 64.5 46.8 86.8





#27

1,2-Dichloroethane

Concen: 0.053 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.084 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

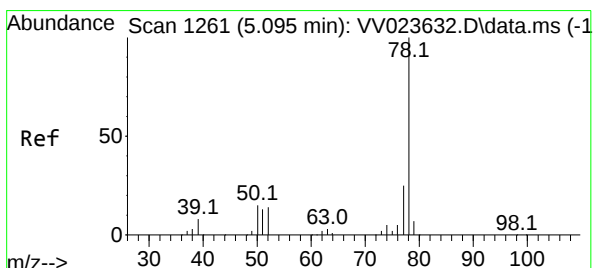
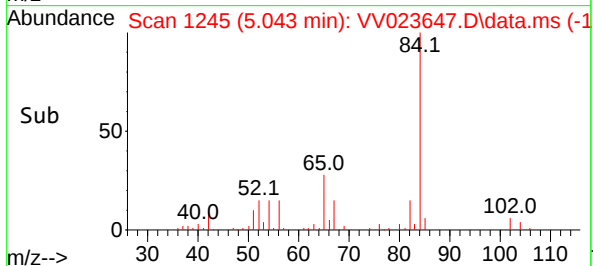
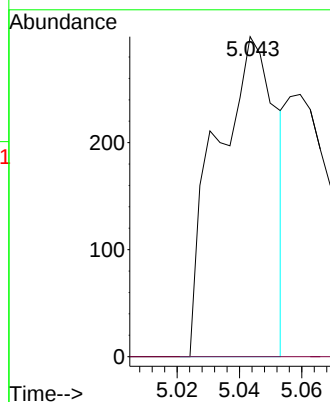
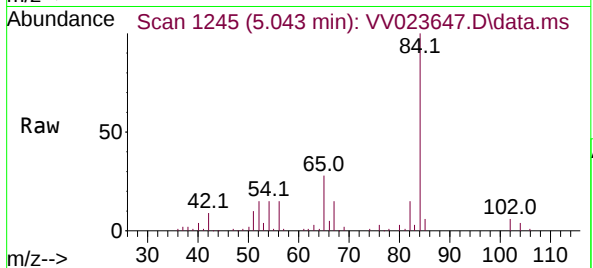
ClientSampleId :

Tgt Ion: 62 Resp: 397

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#33

Benzene

Concen: 0.004 ug/L

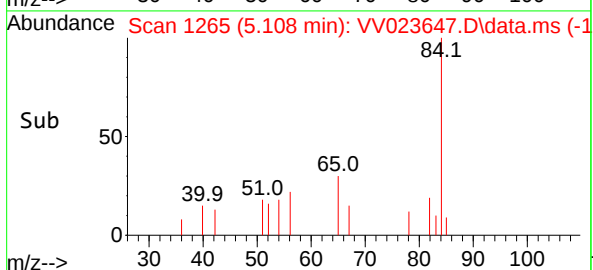
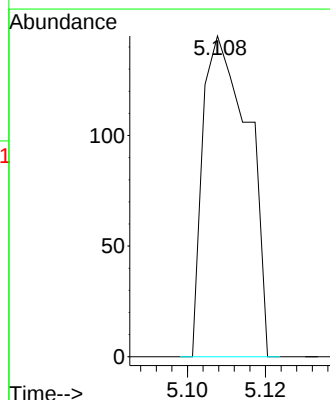
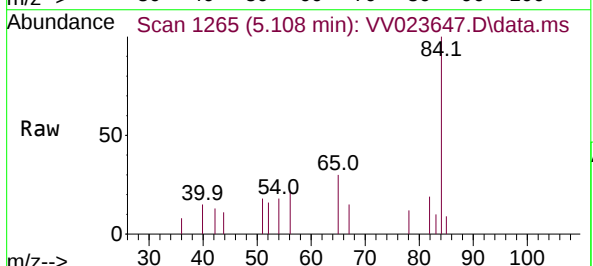
RT: 5.108 min Scan# 1265

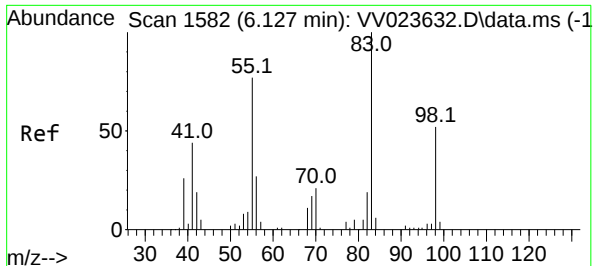
Delta R.T. 0.013 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Tgt Ion: 78 Resp: 117

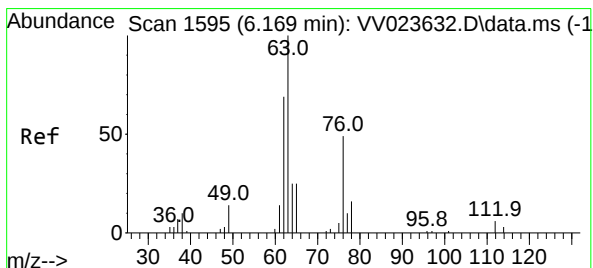
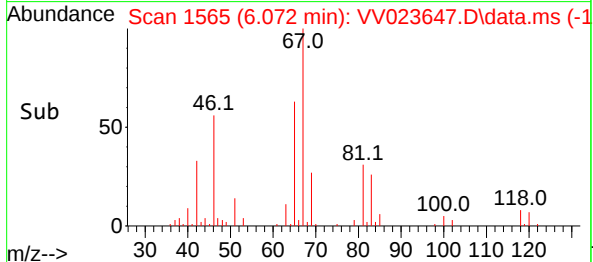
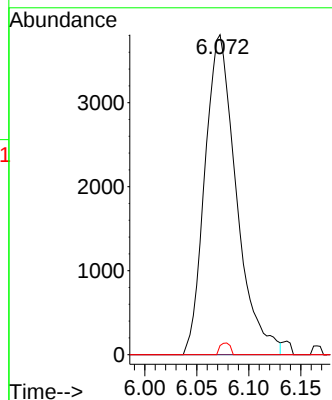
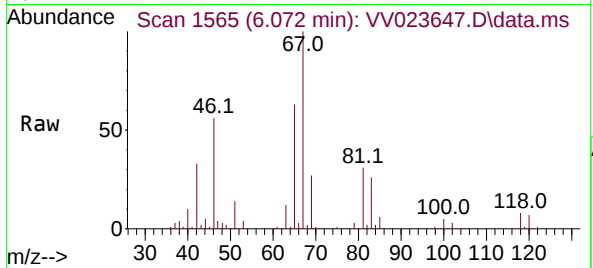




#35
Methylcyclohexane
Concen: 0.629 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

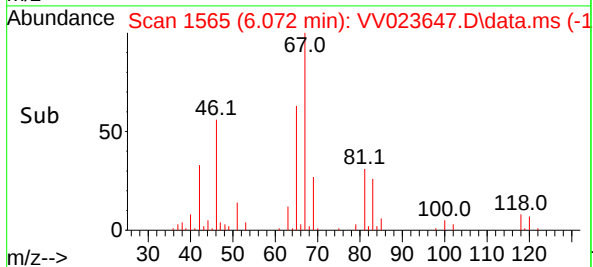
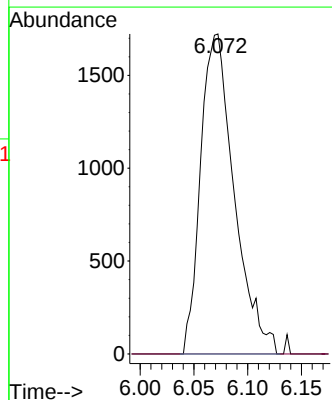
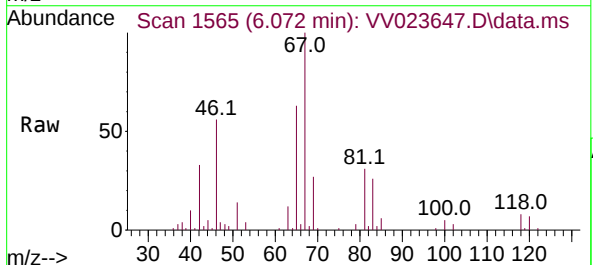
Instrument :
MSVOA_V
ClientSampleId :

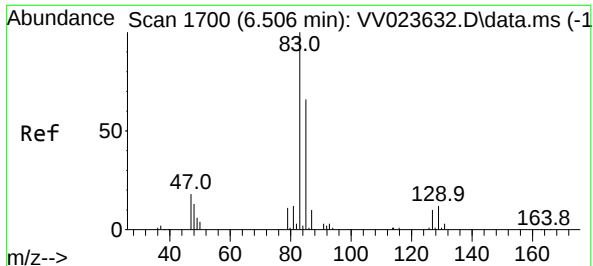
Tgt Ion: 83 Resp: 8020
Ion Ratio Lower Upper
83 100
55 0.2 62.8 94.2#
98 1.2 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.529 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.097 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 63 Resp: 3750
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#

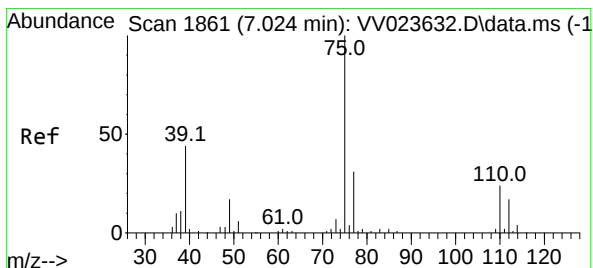
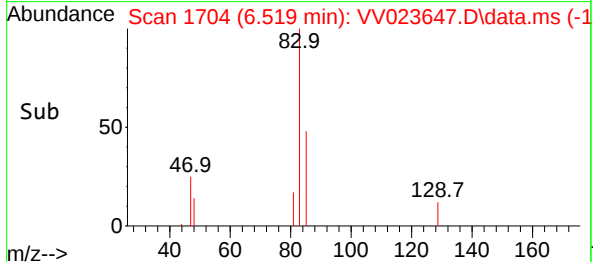
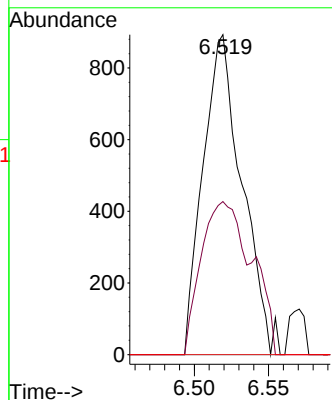
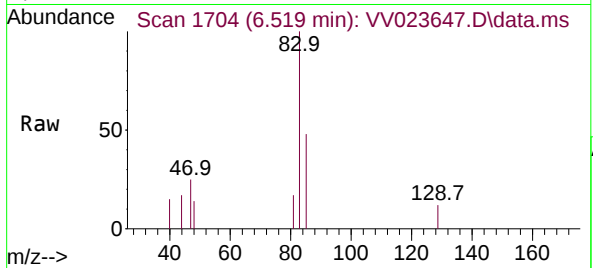




#38
Bromodichloromethane
Concen: 0.172 ug/L
RT: 6.519 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

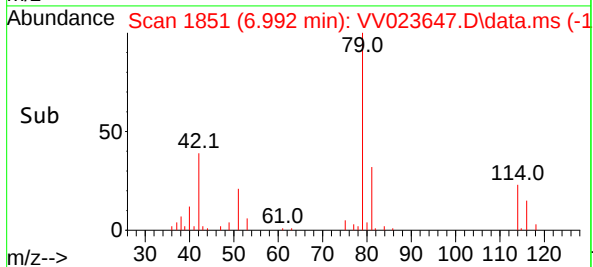
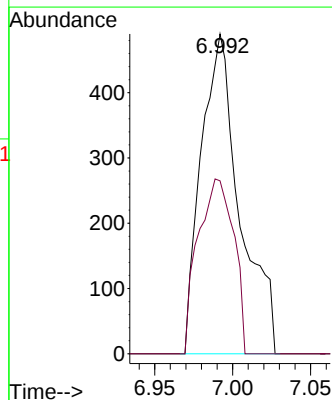
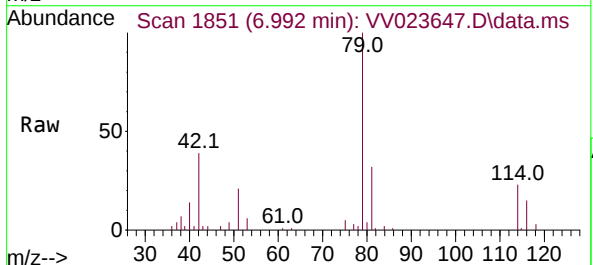
Instrument :
MSVOA_V
ClientSampleId :

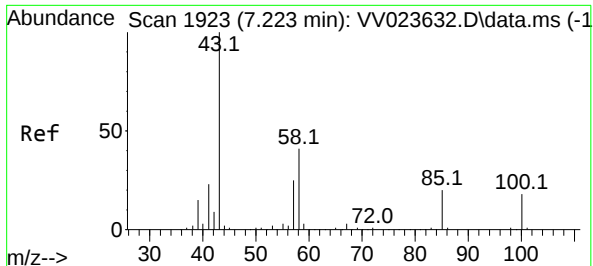
Tgt Ion: 83 Resp: 1634
Ion Ratio Lower Upper
83 100
85 47.8 46.1 85.7
127 0.0 7.2 10.8#



#39
cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.032 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 75 Resp: 845
Ion Ratio Lower Upper
75 100
77 54.1 21.6 40.2#





#40

4-Methyl-2-pentanone

Concen: 0.029 ug/L

RT: 7.243 min Scan# 1923

Delta R.T. 0.019 min

Lab File: VV023647.D

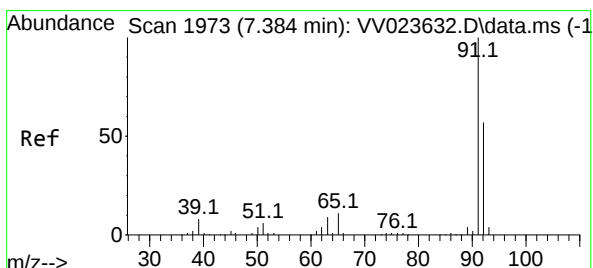
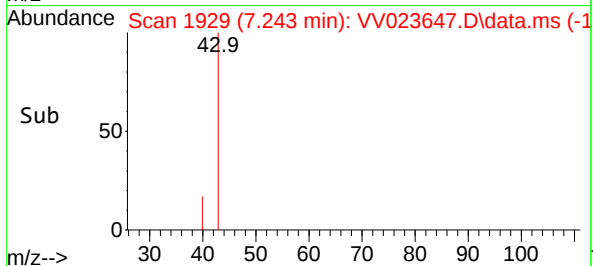
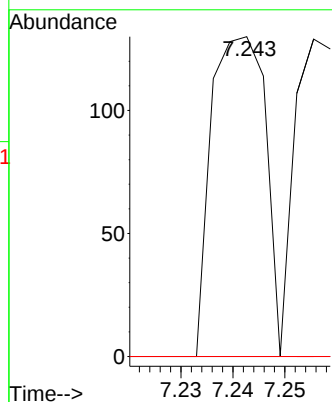
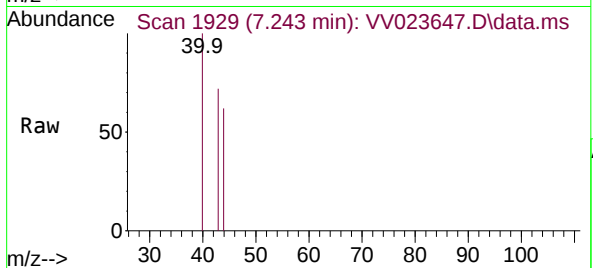
Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43	Resp:	94
Ion Ratio	Lower	Upper
43	100	
58	0.0	31.1 46.7#
100	0.0	12.6 19.0#



#42

Toluene

Concen: 0.044 ug/L

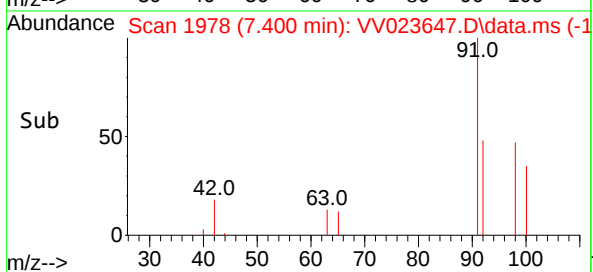
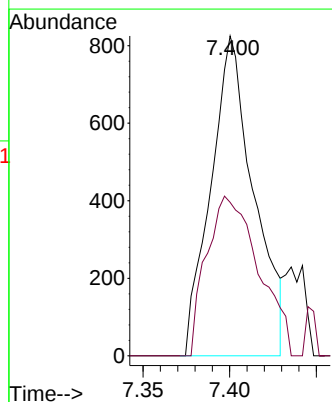
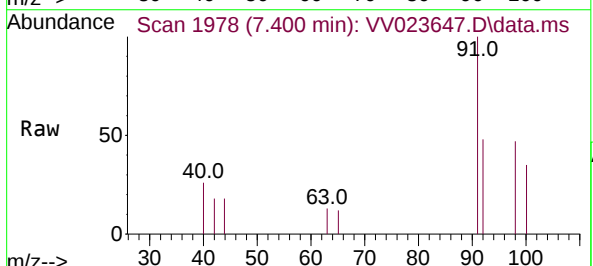
RT: 7.400 min Scan# 1978

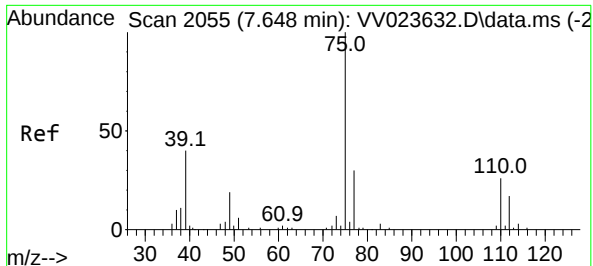
Delta R.T. 0.016 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Tgt Ion: 91	Resp:	1426
Ion Ratio	Lower	Upper
91	100	
92	48.0	39.3 72.9

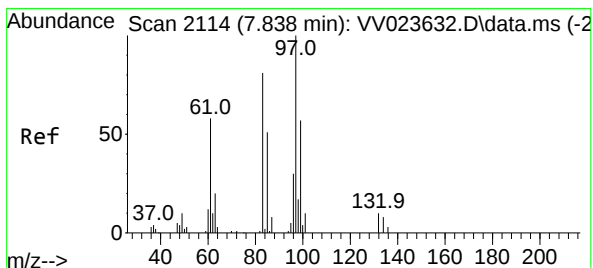
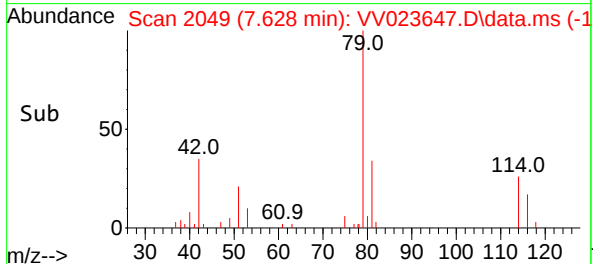
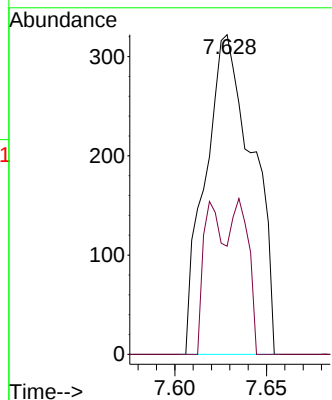
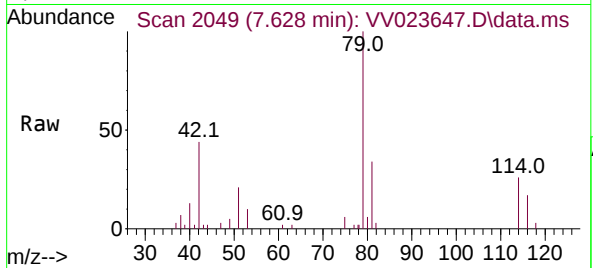




#44
 trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.628 min Scan# 2049
 Delta R.T. -0.019 min
 Lab File: VV023647.D
 Acq: 19 Nov 2021 16:39

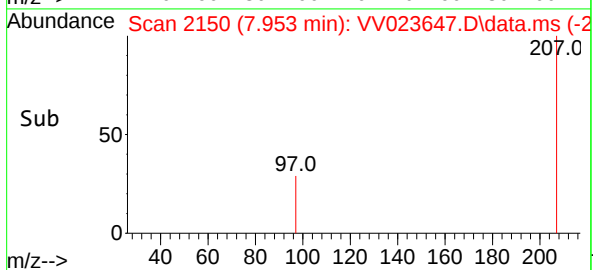
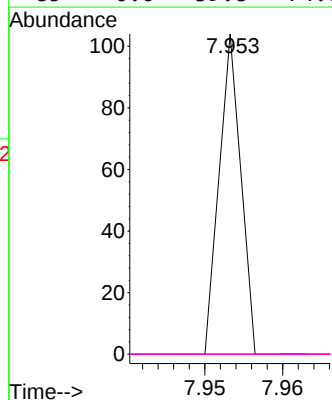
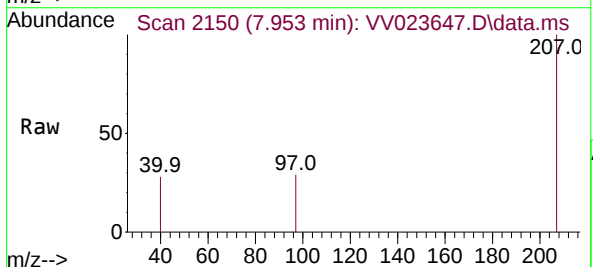
Instrument :
 MSVOA_V
 ClientSampleId :

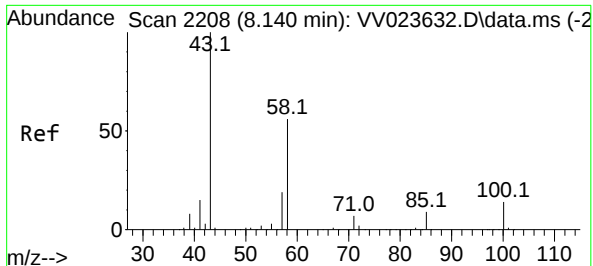
Tgt Ion: 75 Resp: 578
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.5 41.7



#45
 1,1,2-Trichloroethane
 Concen: 0.004 ug/L
 RT: 7.953 min Scan# 2150
 Delta R.T. 0.116 min
 Lab File: VV023647.D
 Acq: 19 Nov 2021 16:39

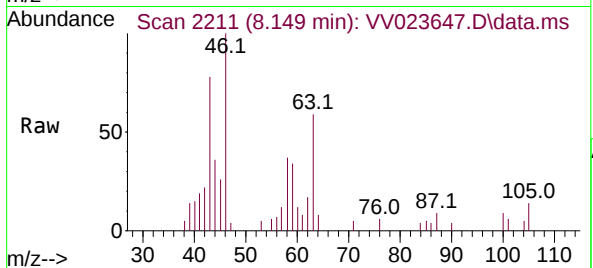
Tgt Ion: 97 Resp: 20
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.6 81.0#
 83 0.0 58.4 108.4#
 85 0.0 39.8 74.0#



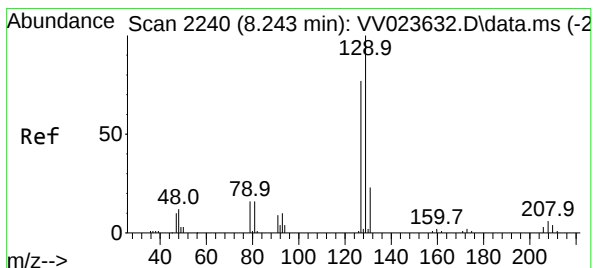
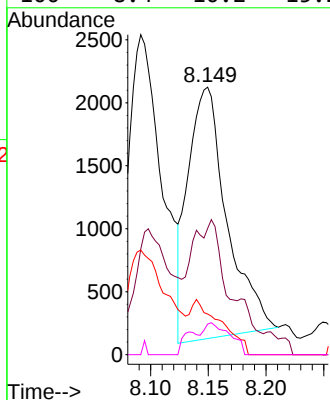
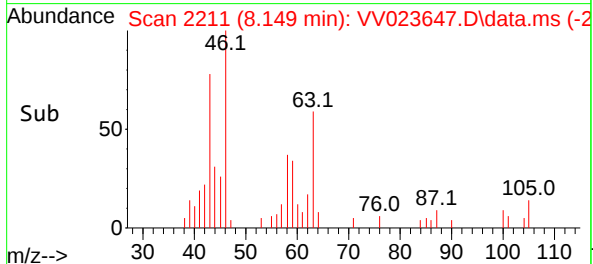


#48
2-Hexanone
Concen: 2.036 ug/L
RT: 8.149 min Scan# 211
Delta R.T. 0.010 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Instrument :
MSVOA_V
ClientSampleId :

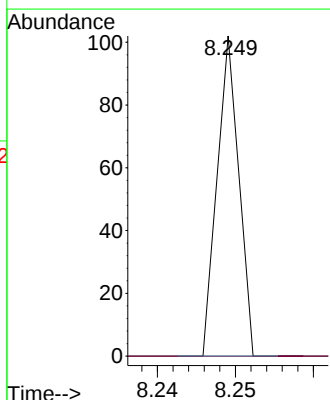
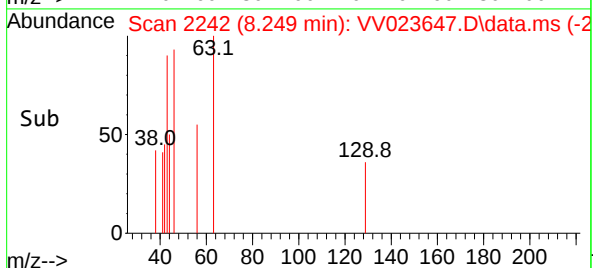
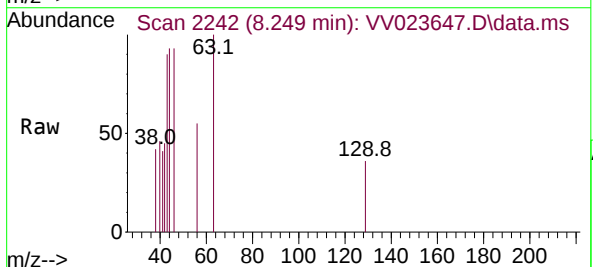


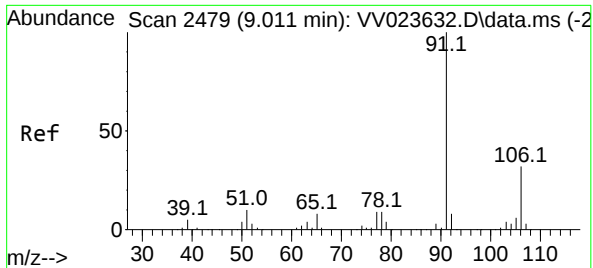
Tgt Ion: 43 Resp: 4691
Ion Ratio Lower Upper
43 100
58 44.3 43.7 65.5
57 2.7 14.1 21.1#
100 8.4 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.003 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.006 min
Lab File: VV023647.D
Acq: 19 Nov 2021 16:39

Tgt Ion: 129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#52

Ethylbenzene

Concen: 0.004 ug/L

RT: 9.027 min Scan# 24

Delta R.T. 0.016 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

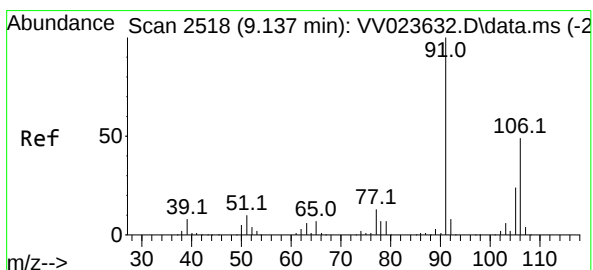
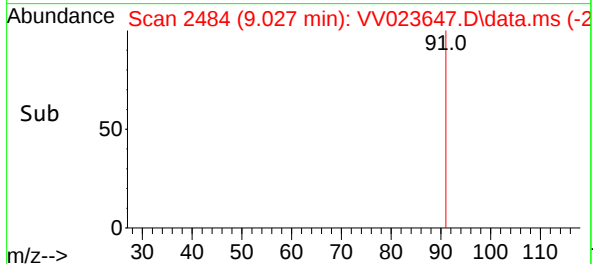
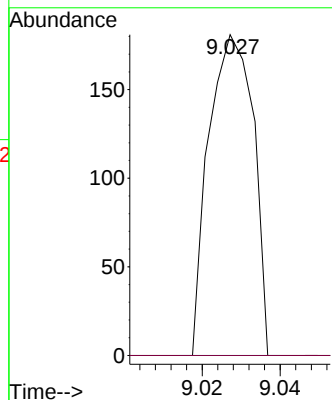
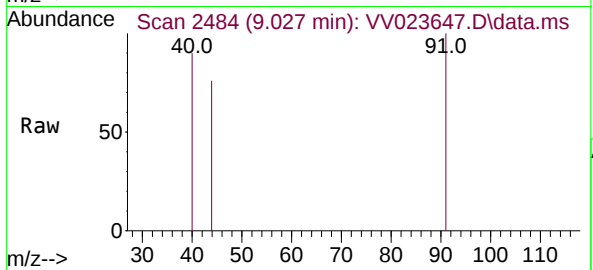
ClientSampleId :

Tgt Ion: 91 Resp: 144

Ion Ratio Lower Upper

91 100

106 0.0 22.5 41.9#



#53

m,p-xylene

Concen: 0.003 ug/L

RT: 9.175 min Scan# 2530

Delta R.T. 0.039 min

Lab File: VV023647.D

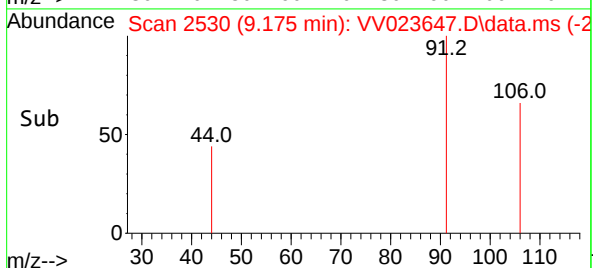
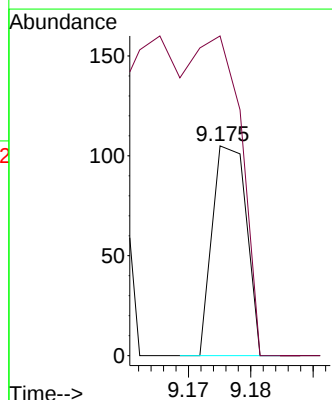
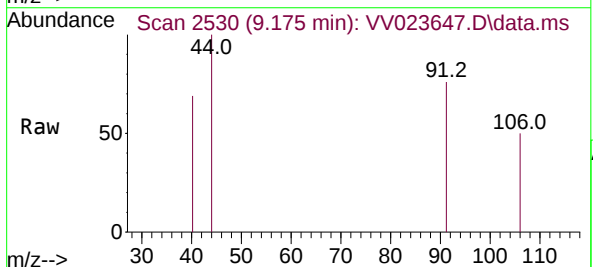
Acq: 19 Nov 2021 16:39

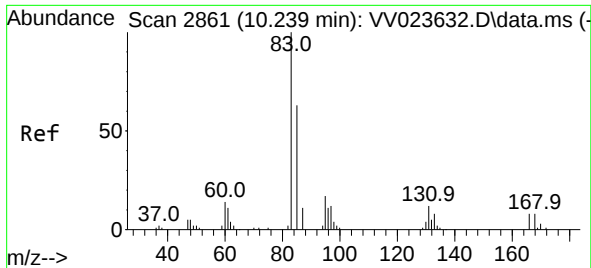
Tgt Ion:106 Resp: 40

Ion Ratio Lower Upper

106 100

91 152.4 137.2 254.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.011 ug/L

RT: 10.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VV023647.D

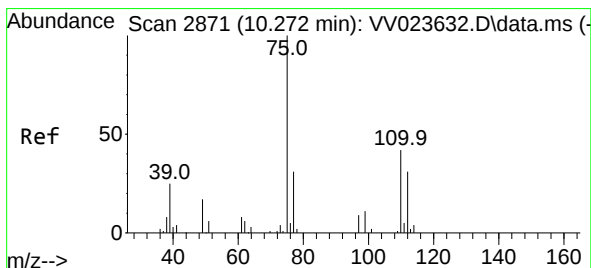
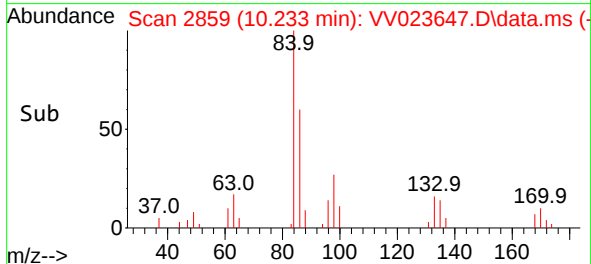
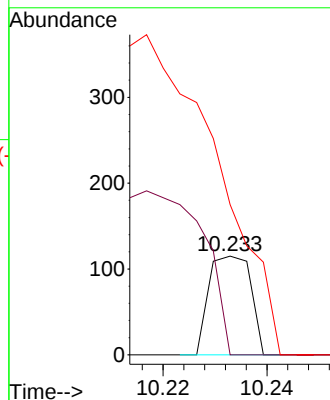
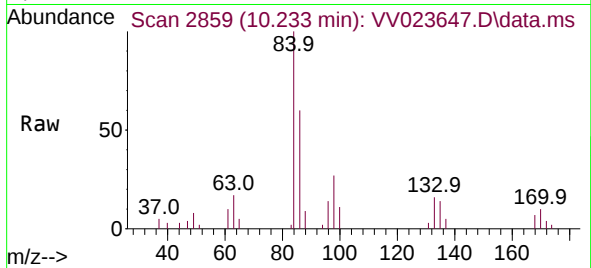
Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	64
Ion	Ratio	Lower	Upper
83	100		
85	0.0	45.1	83.9#
131	152.2	7.8	11.6#



#61

1,2,3-Trichloropropane

Concen: 1.629 ug/L

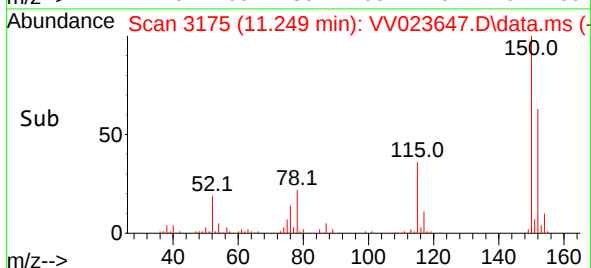
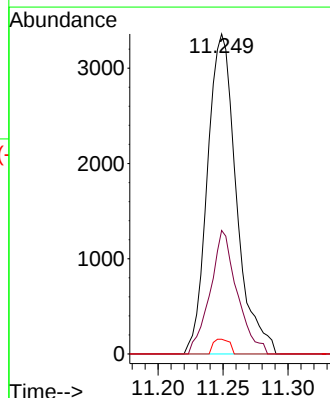
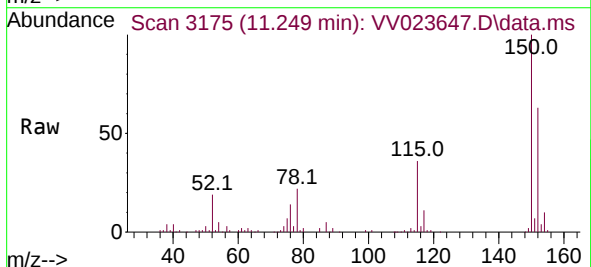
RT: 11.249 min Scan# 3175

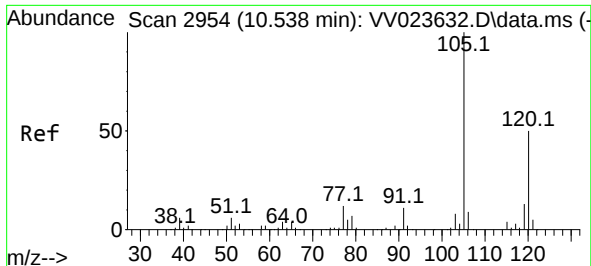
Delta R.T. 0.977 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Tgt Ion:	75	Resp:	5198
Ion	Ratio	Lower	Upper
75	100		
77	35.9	26.6	39.8
110	2.6	31.8	47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.008 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.383 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Instrument :

MSVOA_V

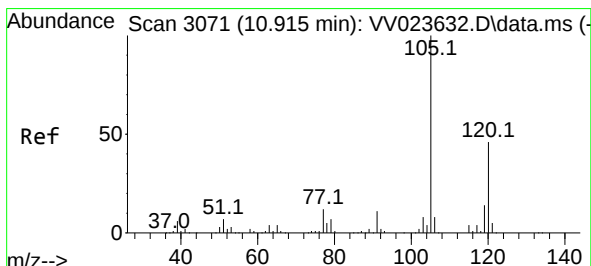
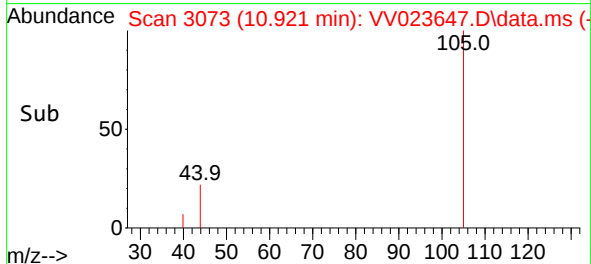
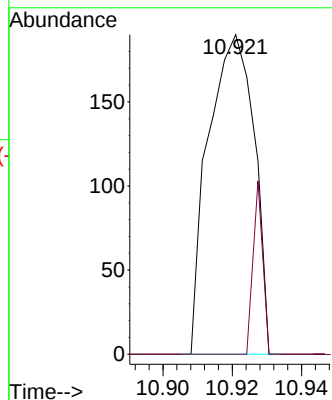
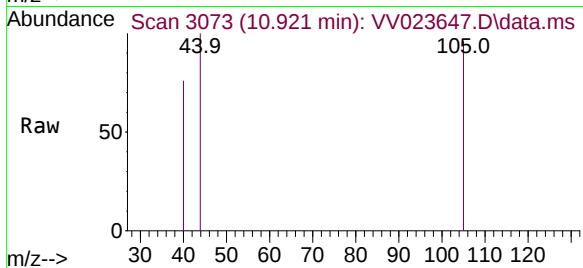
ClientSampleId :

Tgt Ion:105 Resp: 174

Ion Ratio Lower Upper

105 100

120 0.0 39.7 59.5#



#63

1,2,4-Trimethylbenzene

Concen: 0.008 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.006 min

Lab File: VV023647.D

Acq: 19 Nov 2021 16:39

Tgt Ion:105 Resp: 174

Ion Ratio Lower Upper

105 100

120 11.5 37.4 56.2#

