

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111921\
 Data File : VW023645.D
 Acq On : 19 Nov 2021 15:52
 Operator : SY/MD
 Sample : M4706-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:48:53 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	106514	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	106658	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49155	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	27262	4.086	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.568	69	23920	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.108	63	38287	3.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.400%
20) 2-Butanone-d5	3.908	46	39370	34.247	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.500%
24) Chloroform-d	4.349	84	60481	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.037	65	28839	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.050	84	107194	3.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.072	67	32722	4.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.317	98	88325	3.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	7.628	79	11214	3.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.091	63	43953	39.108	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.220%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24081	4.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	36149	4.417	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	4857	0.550	ug/L	97
5) Vinyl chloride	1.307	62	157	0.018	ug/L #	1
8) Chloroethane	1.584	64	41	0.008	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	469	0.070	ug/L #	18
12) 1,1-Dichloroethene	2.105	96	382	0.060	ug/L #	1
13) Acetone	2.207	43	1624	2.312	ug/L	100
14) Carbon disulfide	2.294	76	541	0.023	ug/L #	75
15) Methyl Acetate	2.442	43	247	0.124	ug/L #	47
16) Methylene chloride	2.510	84	435	0.047	ug/L	96
21) 2-Butanone	3.986	43	72	0.063	ug/L #	51
25) Chloroform	4.375	83	17721	1.261	ug/L	99
27) 1,2-Dichloroethane	5.047	62	511	0.068	ug/L #	72
33) Benzene	5.111	78	41	0.001	ug/L	100
35) Methylcyclohexane	6.069	83	8040	0.643	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	4047	0.582	ug/L #	83
38) Bromodichloromethane	6.519	83	2642	0.283	ug/L	92
39) cis-1,3-Dichloropropene	7.034	75	45	0.004	ug/L #	44
40) 4-Methyl-2-pentanone	7.239	43	23	0.007	ug/L #	44
42) Toluene	7.403	91	1550	0.049	ug/L	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111921\
 Data File : VV023645.D
 Acq On : 19 Nov 2021 15:52
 Operator : SY/MD
 Sample : M4706-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

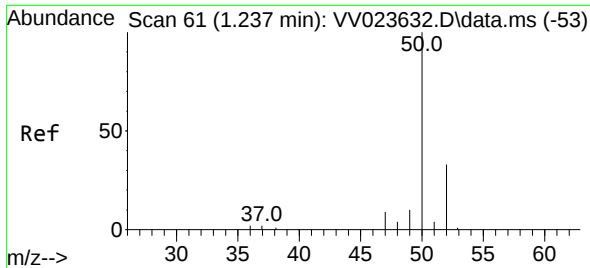
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:48:53 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)

44) trans-1,3-Dichloropropene	7.625	75	408	0.049	ug/L	98
47) Tetrachloroethene	7.979	164	3378	0.492	ug/L	96
48) 2-Hexanone	8.149	43	3287	1.453	ug/L #	72
49) Dibromochloromethane	8.255	129	110	0.017	ug/L #	10
52) Ethylbenzene	9.027	91	75	0.002	ug/L #	42
53) m,p-xylene	9.162	106	172	0.013	ug/L #	33
61) 1,2,3-Trichloropropane	11.249	75	5247	1.607	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.548	105	105	0.004	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.914	105	174	0.007	ug/L #	30

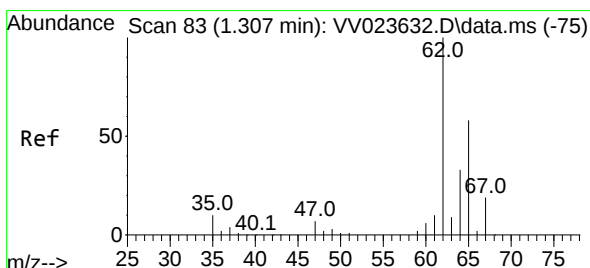
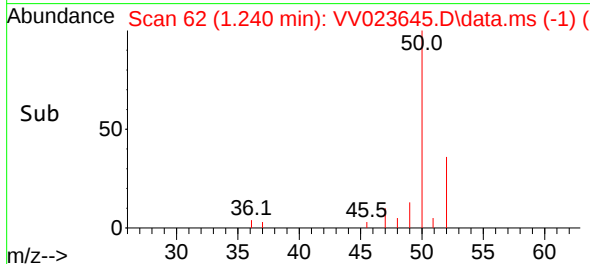
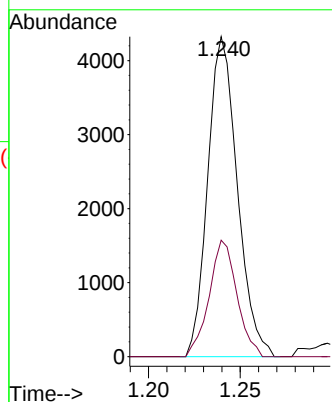
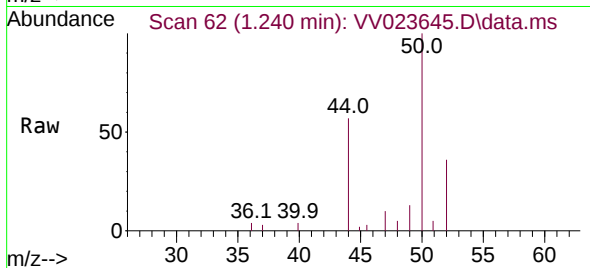
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.550 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

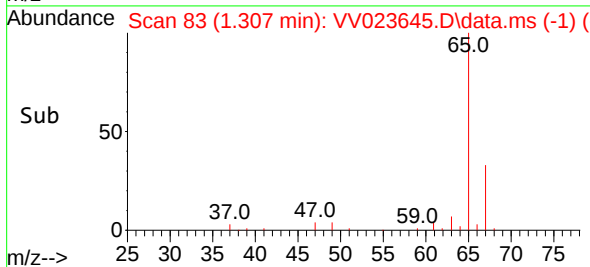
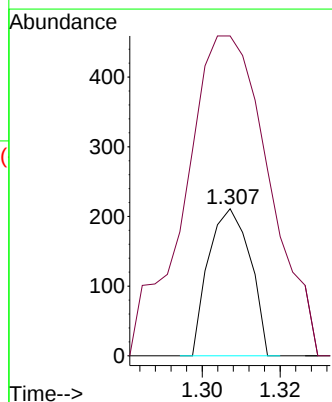
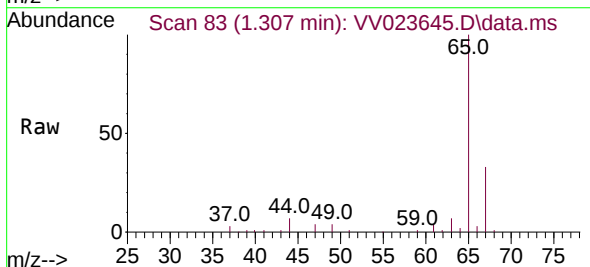
Instrument :
MSVOA_V
ClientSampleId :

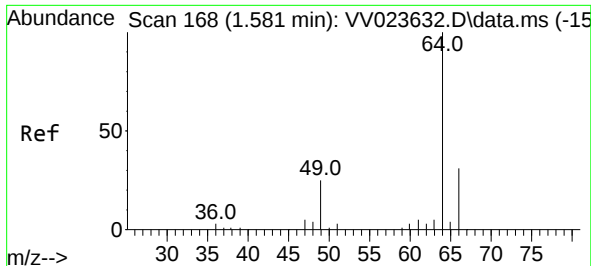
Tgt Ion: 50 Resp: 4857
Ion Ratio Lower Upper
50 100
52 36.4 24.3 45.1



#5
Vinyl chloride
Concen: 0.018 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Tgt Ion: 62 Resp: 157
Ion Ratio Lower Upper
62 100
64 217.5 23.1 42.9





#8

Chloroethane

Concen: 0.008 ug/L

RT: 1.584 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

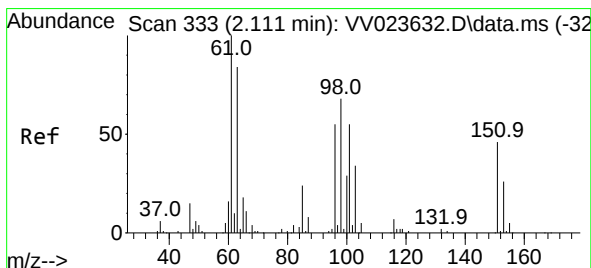
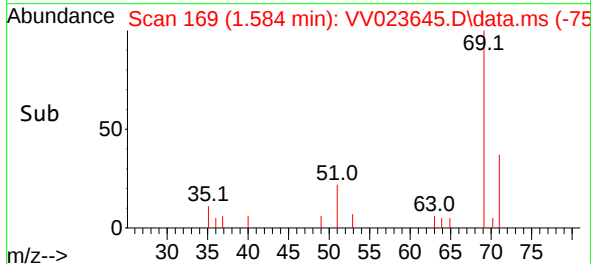
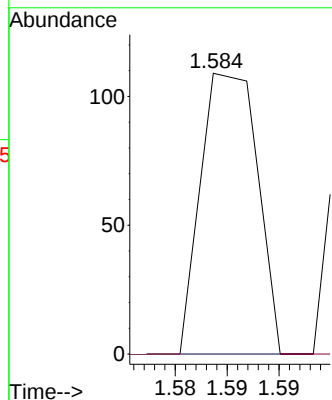
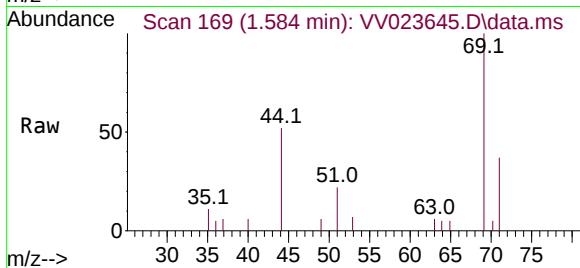
ClientSampleId :

Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#



#10

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

Concen: 0.070 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.007 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

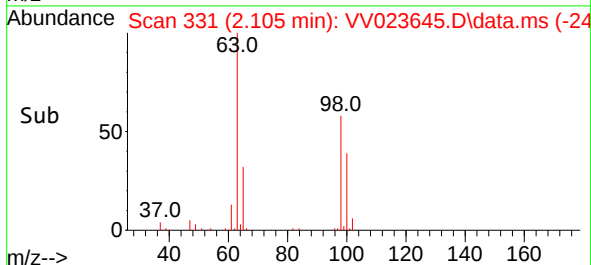
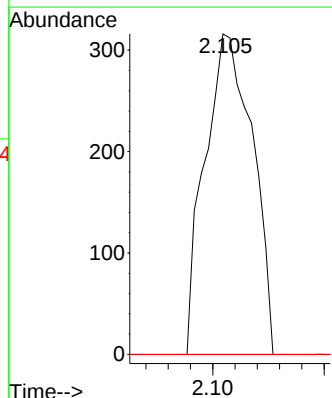
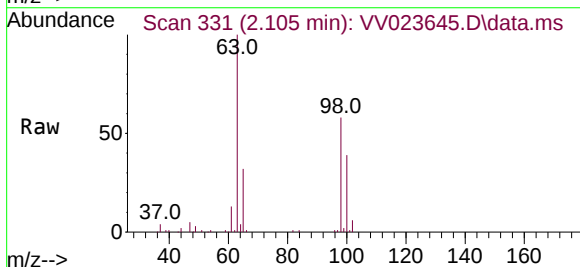
Tgt Ion:101 Resp: 469

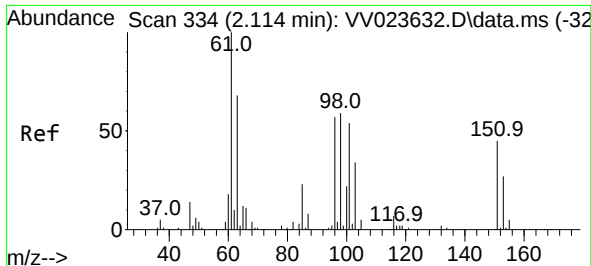
Ion Ratio Lower Upper

101 100

85 0.0 35.3 52.9#

151 0.0 62.2 93.2#





#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

ClientSampleId :

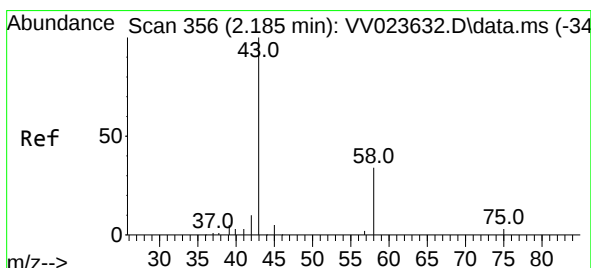
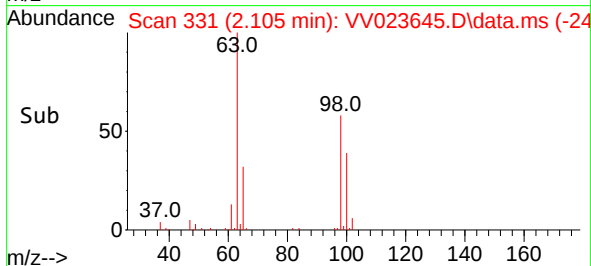
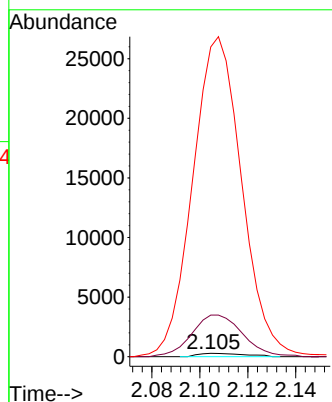
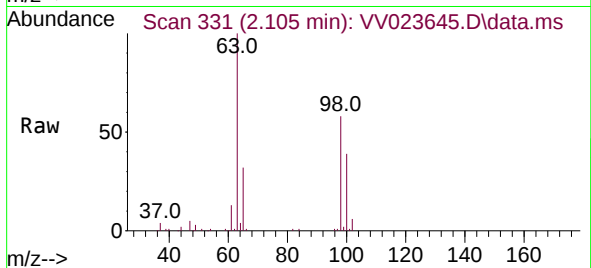
Tgt Ion: 96 Resp: 382

Ion Ratio Lower Upper

96 100

61 1246.8 121.5 225.7#

63 9280.0 99.6 185.0#



#13

Acetone

Concen: 2.312 ug/L

RT: 2.207 min Scan# 363

Delta R.T. 0.022 min

Lab File: VV023645.D

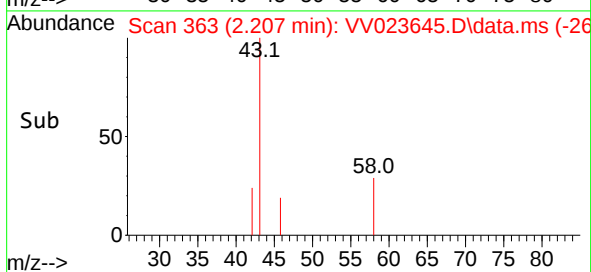
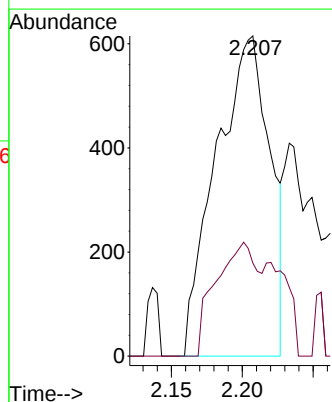
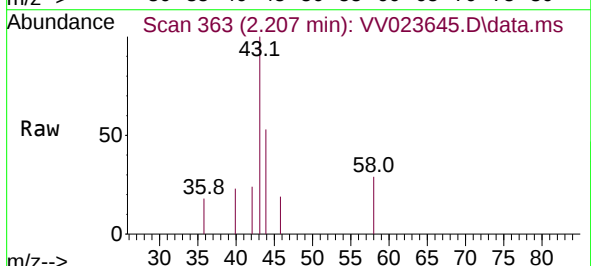
Acq: 19 Nov 2021 15:52

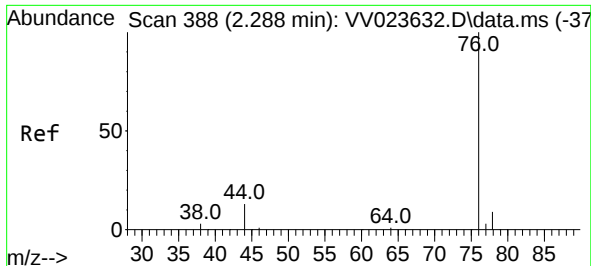
Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

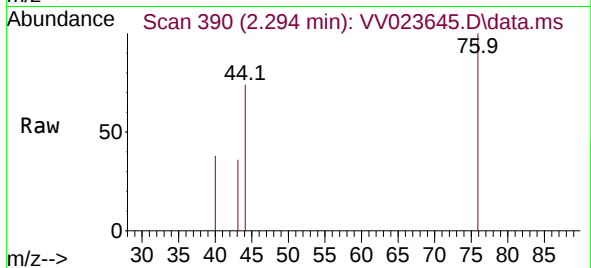
58 27.9 0.0 55.4



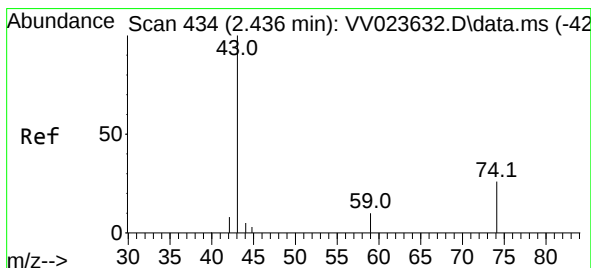
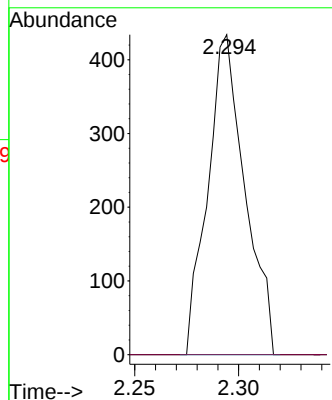
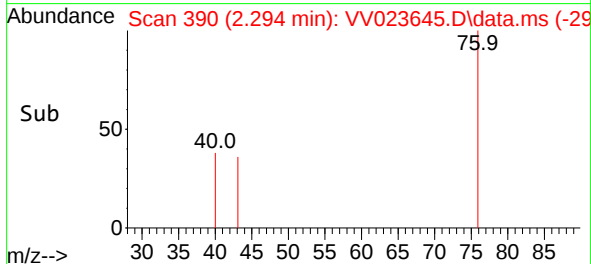


#14
Carbon disulfide
Concen: 0.023 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.006 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

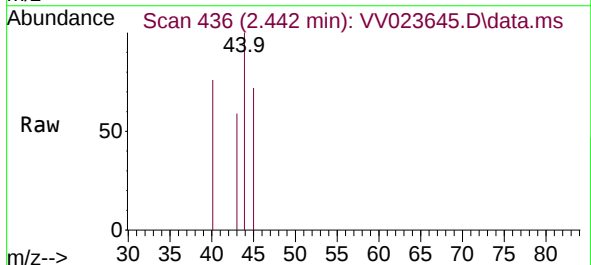
Instrument :
MSVOA_V
ClientSampleId :



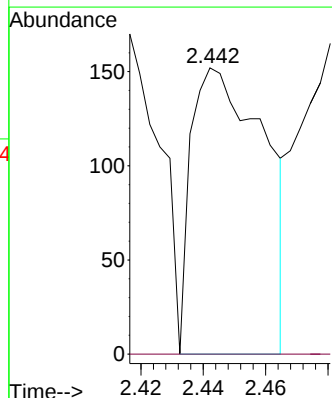
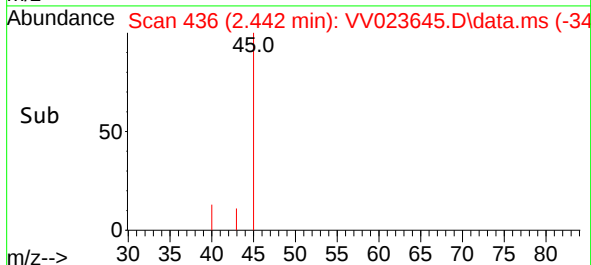
Tgt Ion: 76 Resp: 541
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

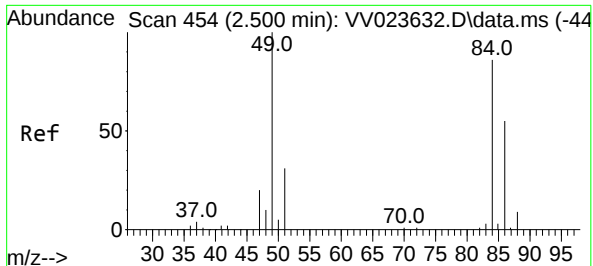


#15
Methyl Acetate
Concen: 0.124 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.006 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52



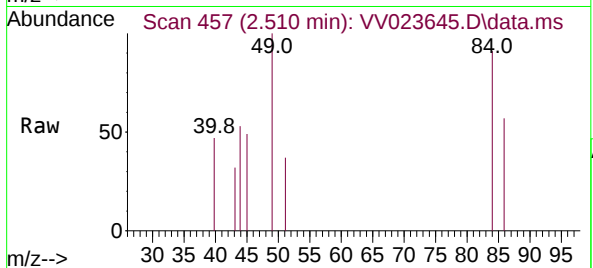
Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



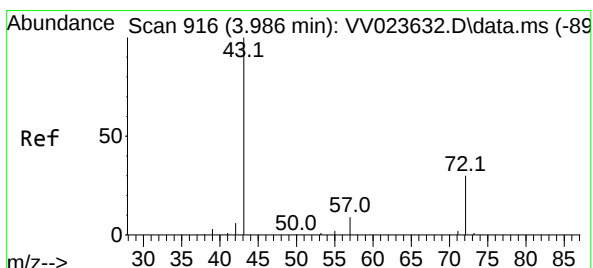
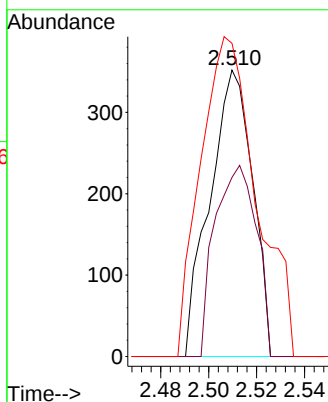
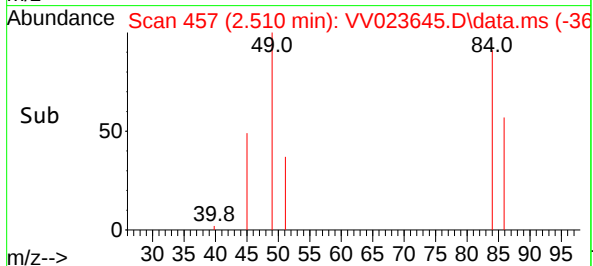


#16
Methylene chloride
Concen: 0.047 ug/L
RT: 2.510 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Instrument :
MSVOA_V
ClientSampleId :

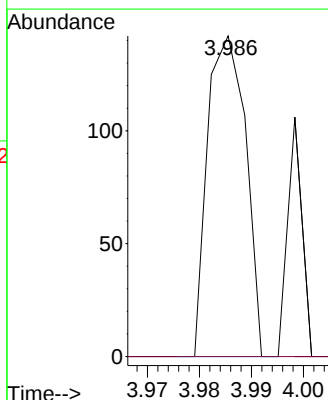
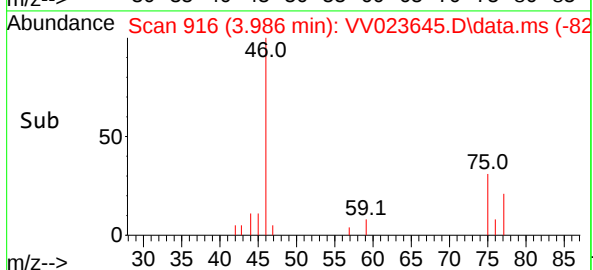
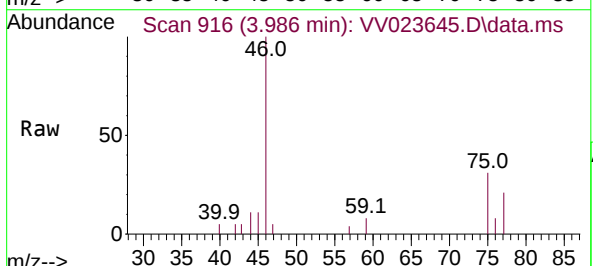


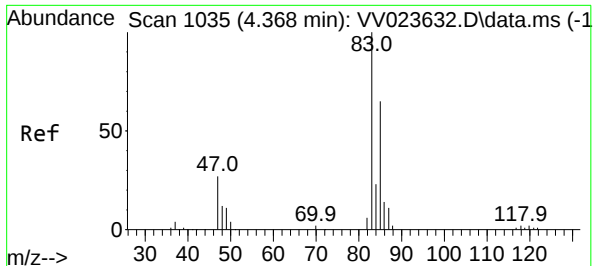
Tgt Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
86 62.5 42.3 78.5
49 109.4 79.7 148.1



#21
2-Butanone
Concen: 0.063 ug/L
RT: 3.986 min Scan# 916
Delta R.T. -0.000 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

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





#25

Chloroform

Concen: 1.261 ug/L

RT: 4.375 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

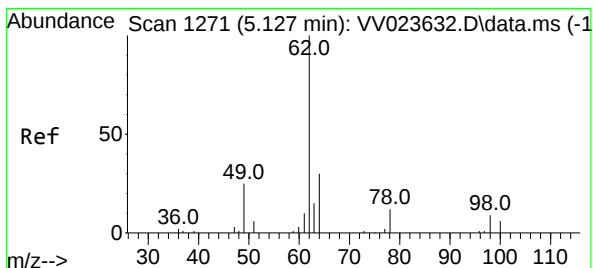
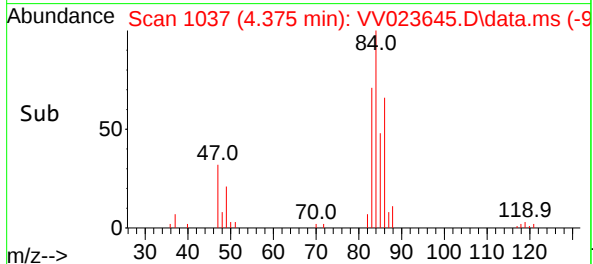
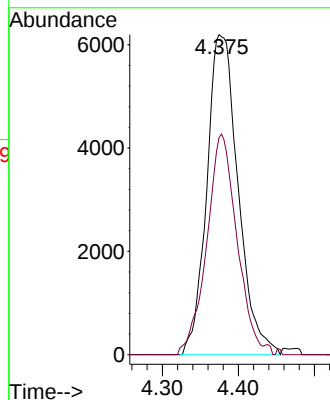
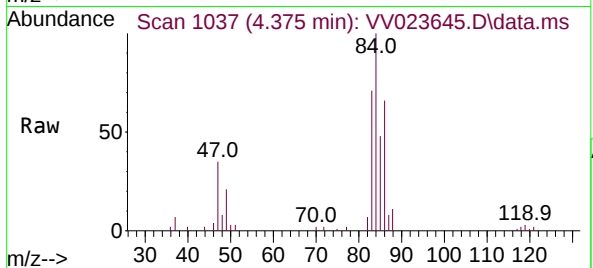
ClientSampleId :

Tgt Ion: 83 Resp: 17721

Ion Ratio Lower Upper

83 100

85 67.9 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.068 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.080 min

Lab File: VV023645.D

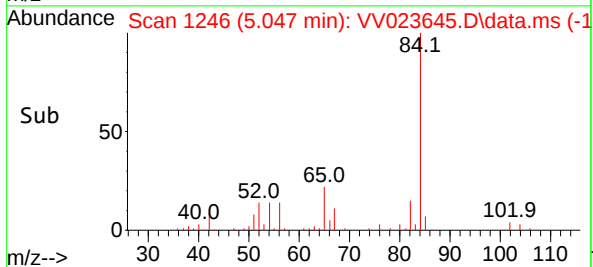
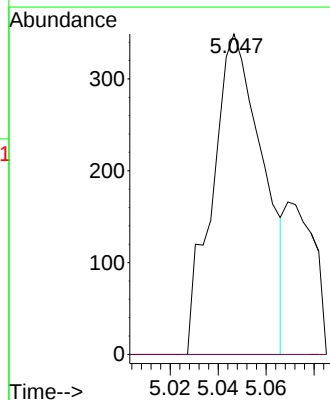
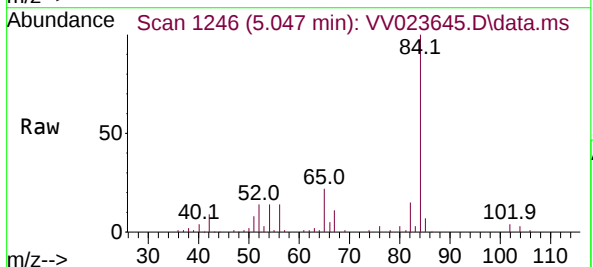
Acq: 19 Nov 2021 15:52

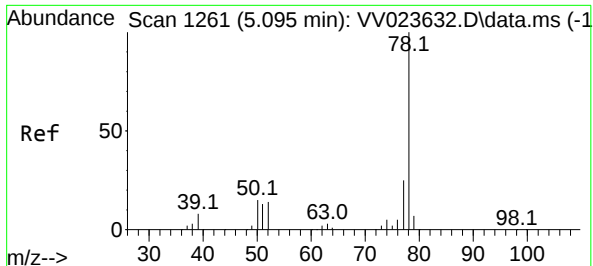
Tgt Ion: 62 Resp: 511

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

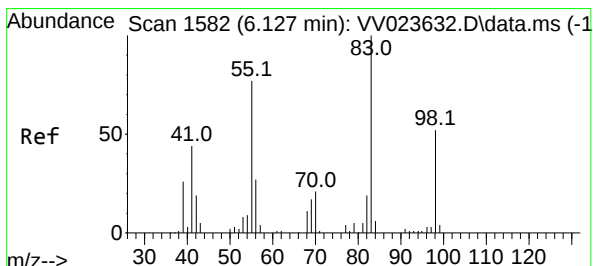
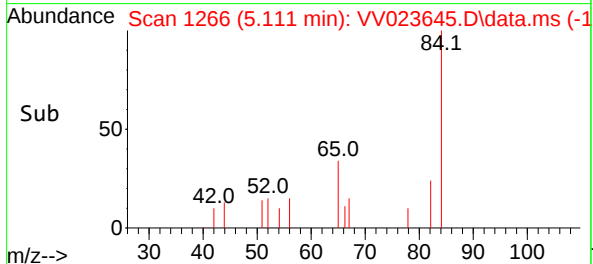
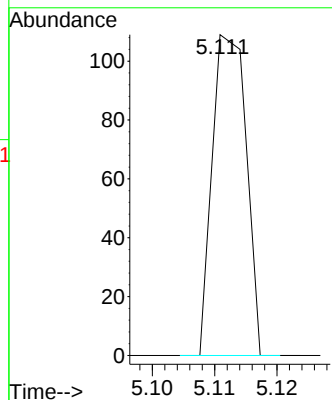
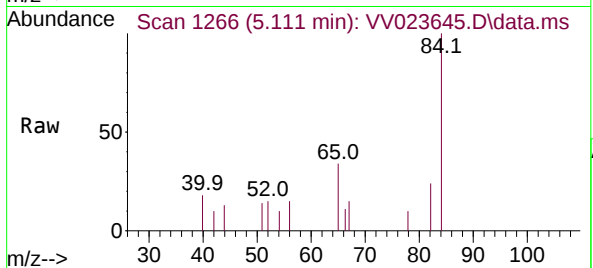




#33
Benzene
Concen: 0.001 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

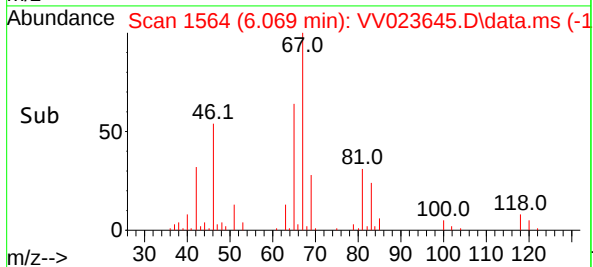
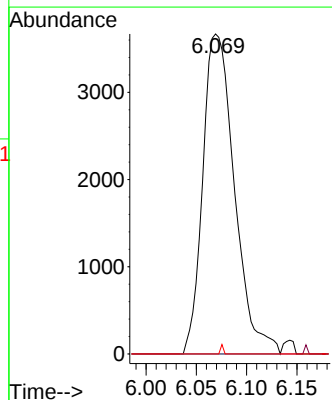
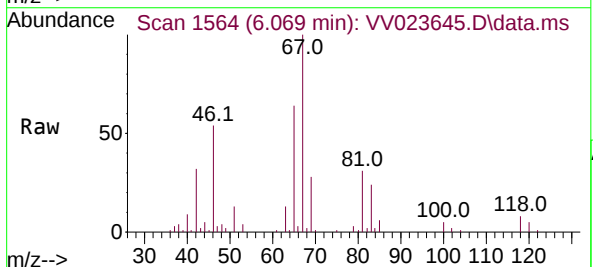
Instrument :
MSVOA_V
ClientSampleId :

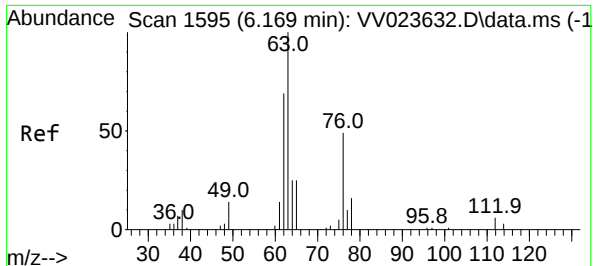
Tgt Ion: 78 Resp: 41



#35
Methylcyclohexane
Concen: 0.643 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Tgt Ion: 83 Resp: 8040
Ion Ratio Lower Upper
83 100
55 0.2 62.8 94.2#
98 0.3 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.582 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.097 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

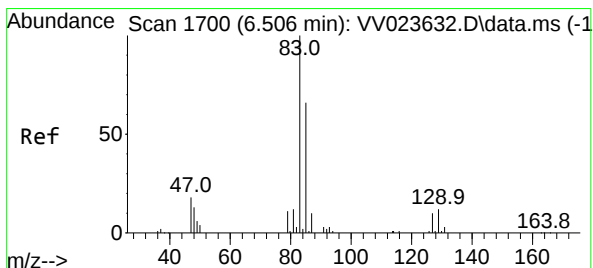
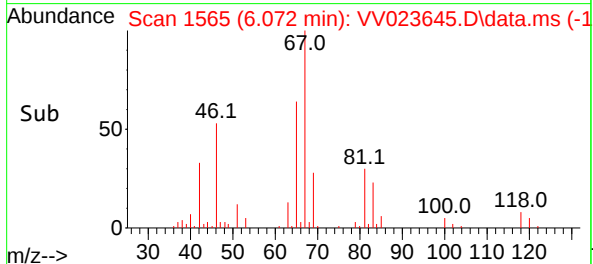
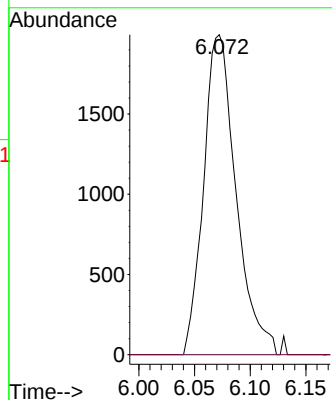
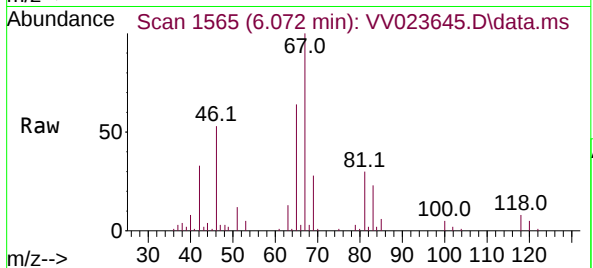
ClientSampleId :

Tgt Ion: 63 Resp: 4047

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#38

Bromodichloromethane

Concen: 0.283 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

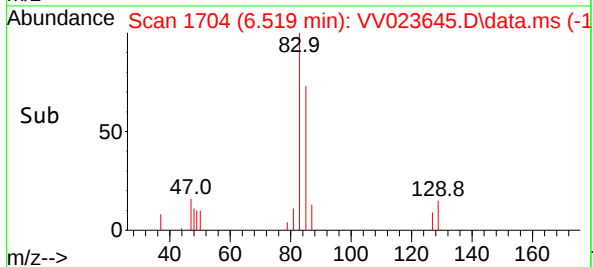
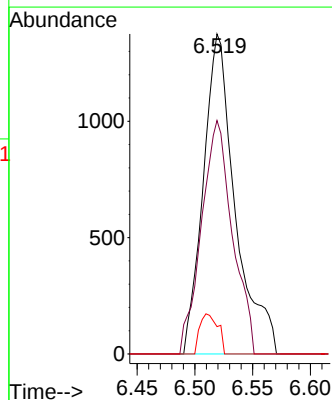
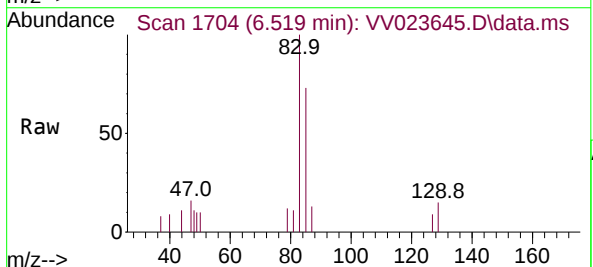
Tgt Ion: 83 Resp: 2642

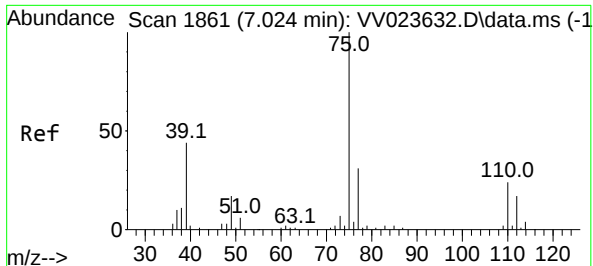
Ion Ratio Lower Upper

83 100

85 72.9 46.1 85.7

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 0.004 ug/L

RT: 7.034 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

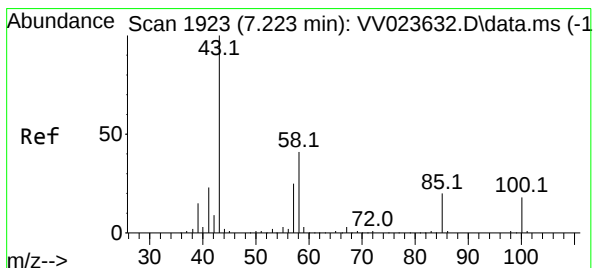
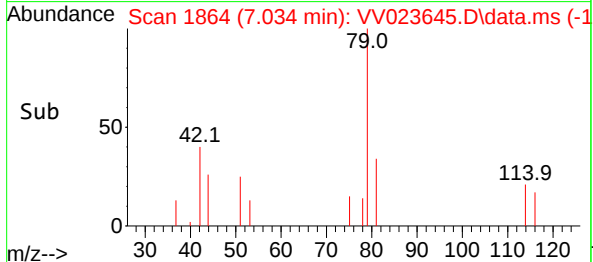
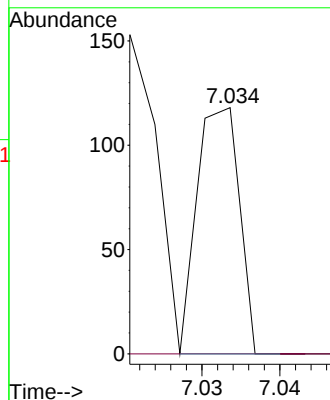
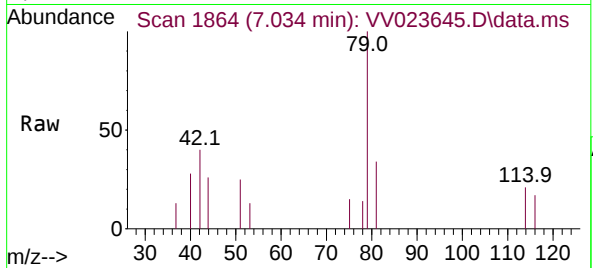
ClientSampleId :

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.2#



#40

4-Methyl-2-pentanone

Concen: 0.007 ug/L

RT: 7.239 min Scan# 1928

Delta R.T. 0.016 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

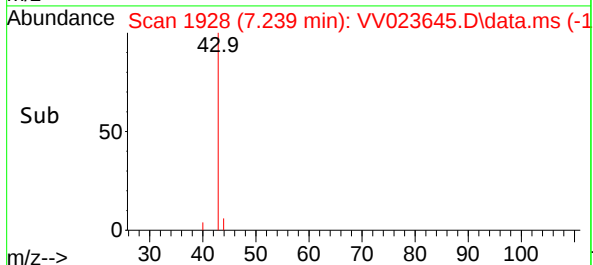
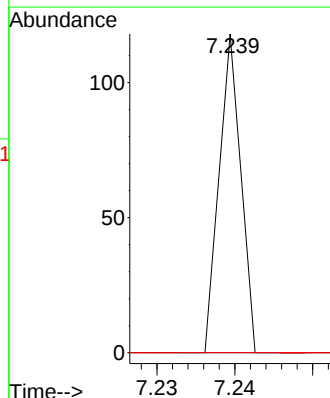
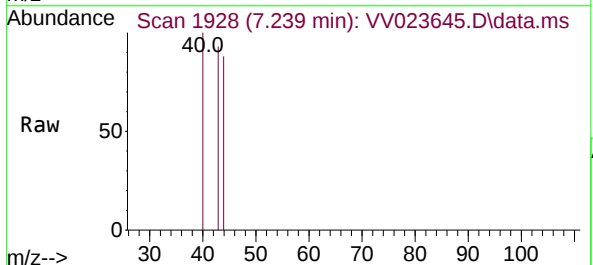
Tgt Ion: 43 Resp: 23

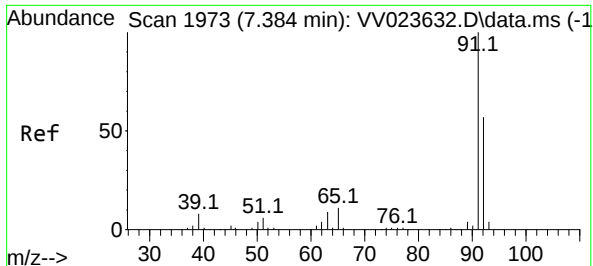
Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#

100 0.0 12.6 19.0#

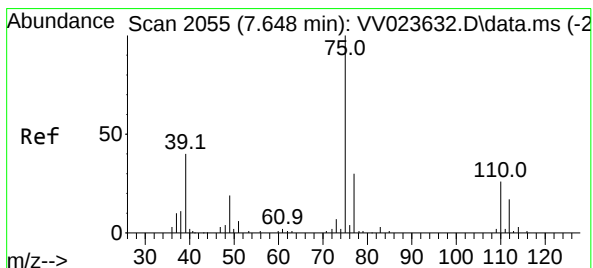
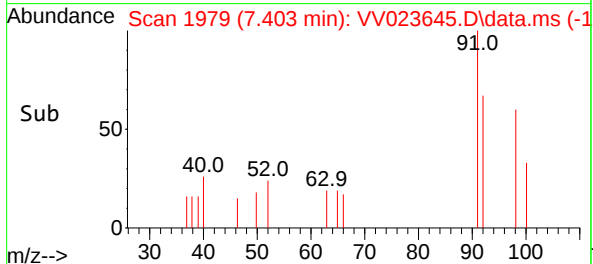
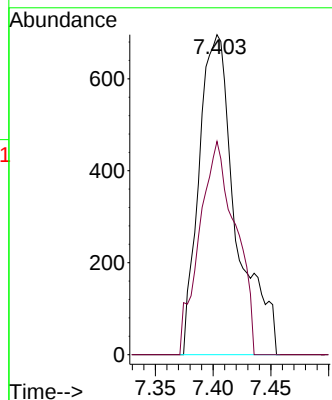
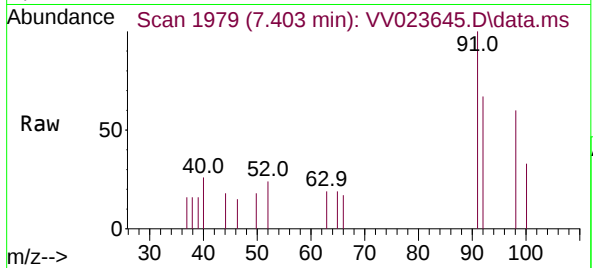




#42
Toluene
Concen: 0.049 ug/L
RT: 7.403 min Scan# 1973
Delta R.T. 0.019 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

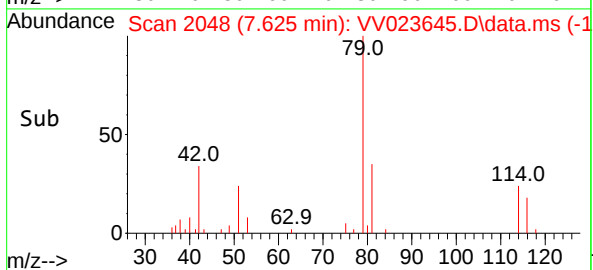
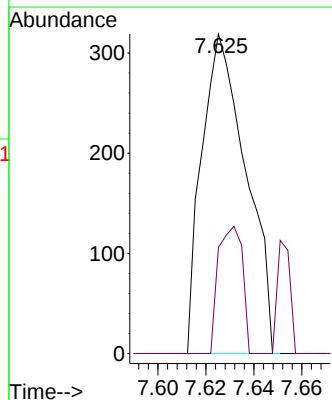
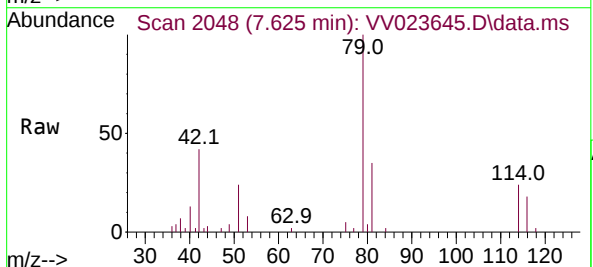
Instrument :
MSVOA_V
ClientSampleId :

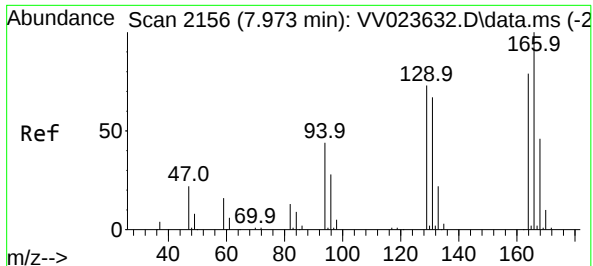
Tgt Ion: 91 Resp: 1550
Ion Ratio Lower Upper
91 100
92 66.7 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 0.049 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.023 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

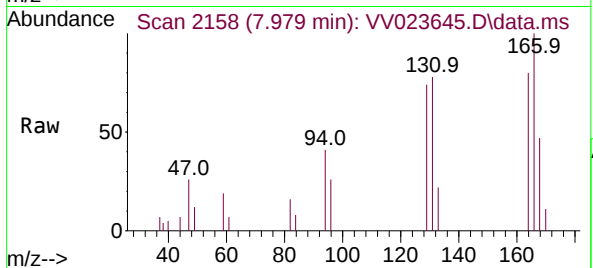
Tgt Ion: 75 Resp: 408
Ion Ratio Lower Upper
75 100
77 33.2 22.5 41.7



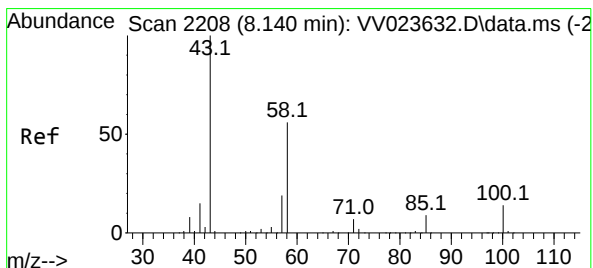
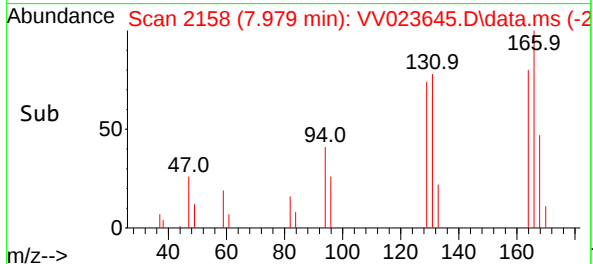
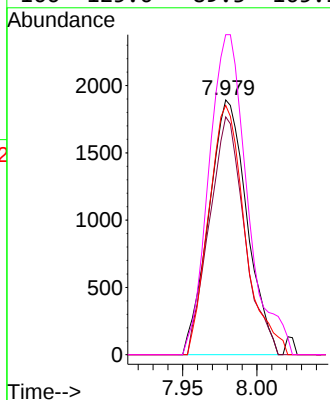


#47
Tetrachloroethene
Concen: 0.492 ug/L
RT: 7.979 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Instrument :
MSVOA_V
ClientSampleId :

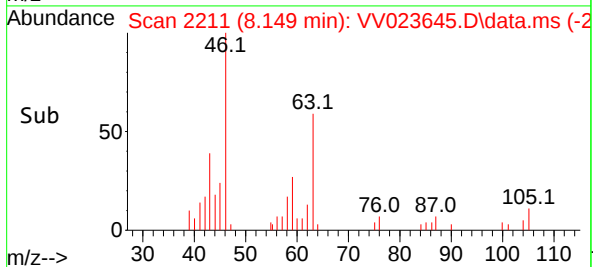
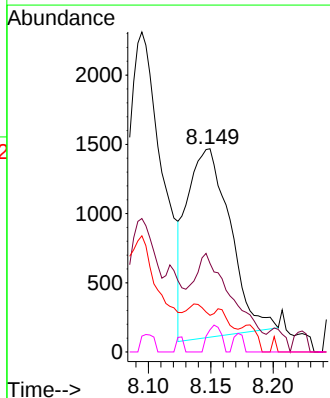
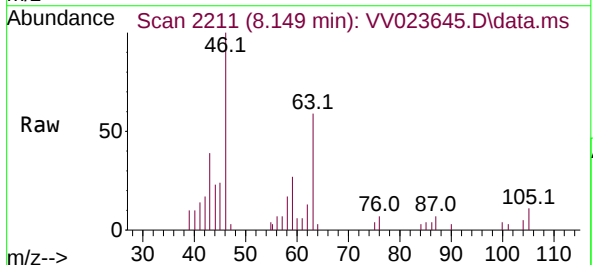


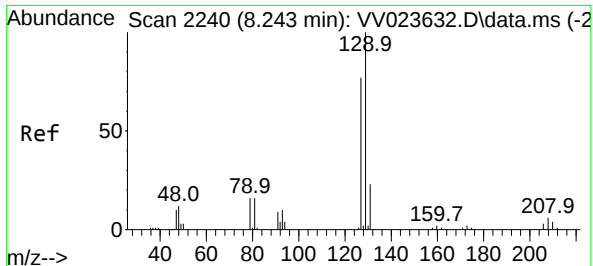
Tgt Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.0	119.0
131	97.8	63.4	117.8
166	125.6	89.3	165.9



#48
2-Hexanone
Concen: 1.453 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.010 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	43.7	65.5#
57	3.4	14.1	21.1#
100	4.5	10.2	15.2#





#49

Dibromochloromethane

Concen: 0.017 ug/L

RT: 8.255 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

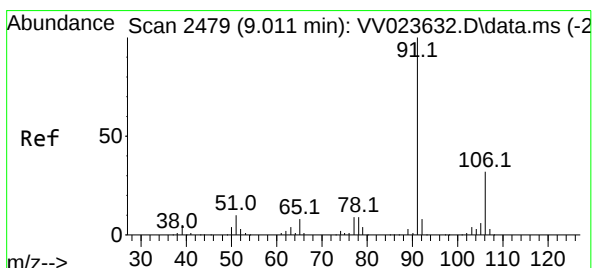
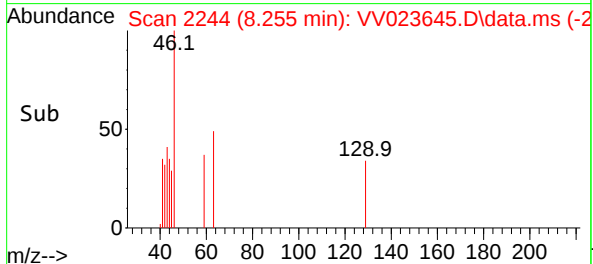
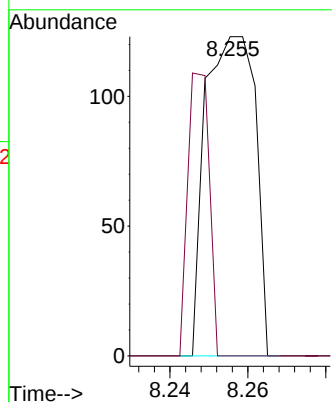
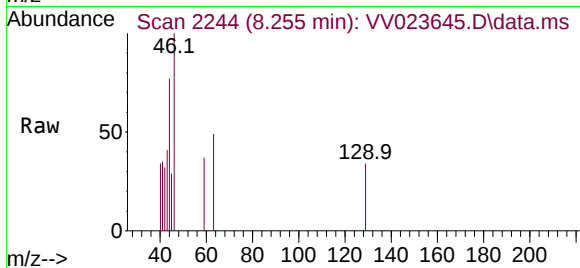
ClientSampleId :

Tgt Ion:129 Resp: 110

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#52

Ethylbenzene

Concen: 0.002 ug/L

RT: 9.027 min Scan# 2484

Delta R.T. 0.016 min

Lab File: VV023645.D

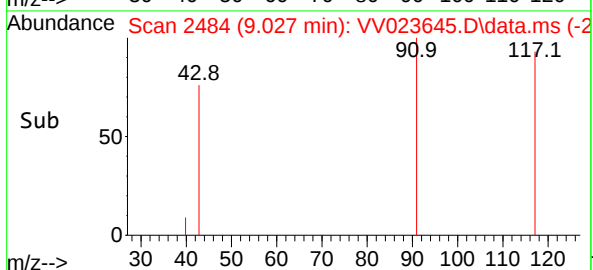
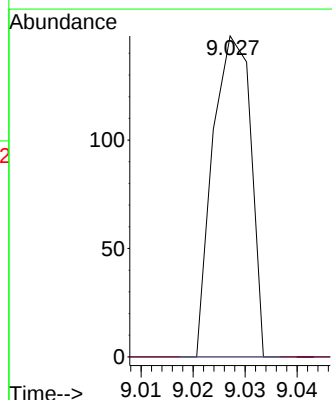
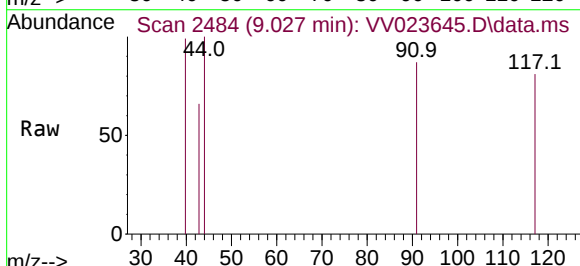
Acq: 19 Nov 2021 15:52

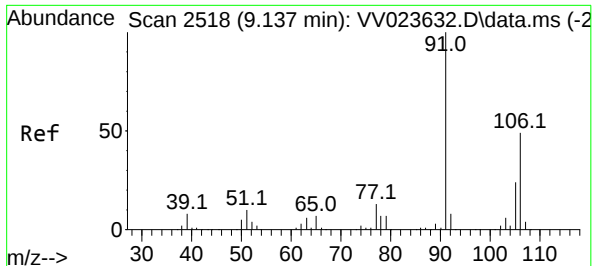
Tgt Ion: 91 Resp: 75

Ion Ratio Lower Upper

91 100

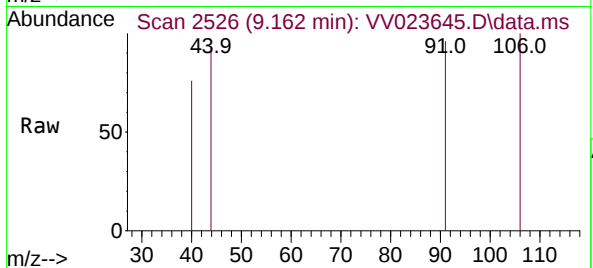
106 0.0 22.5 41.9#



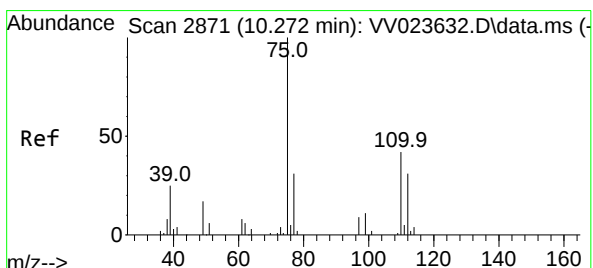
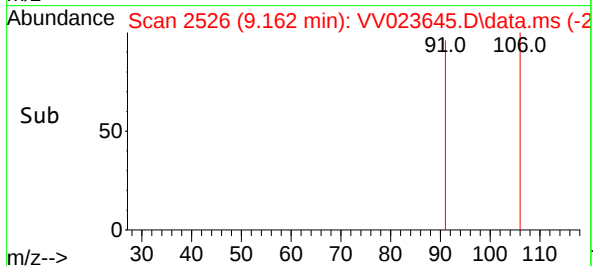
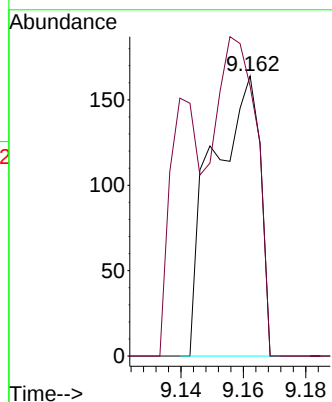


#53
m,p-xylene
Concen: 0.013 ug/L
RT: 9.162 min Scan# 21
Delta R.T. 0.026 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Instrument :
MSVOA_V
ClientSampleId :

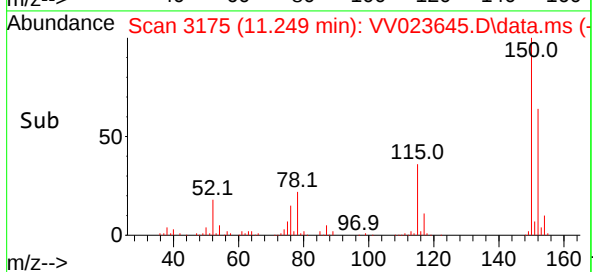
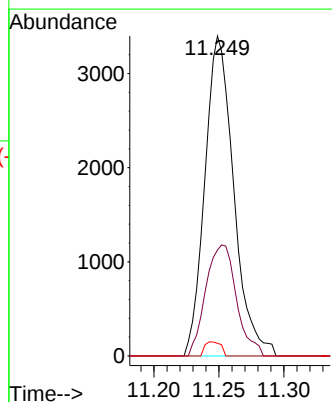
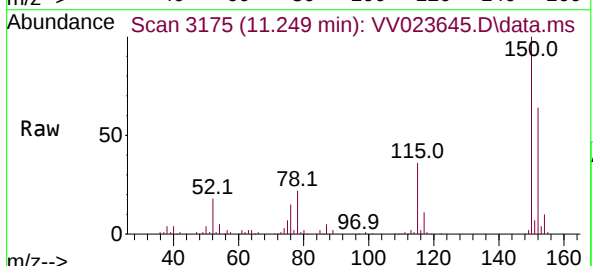


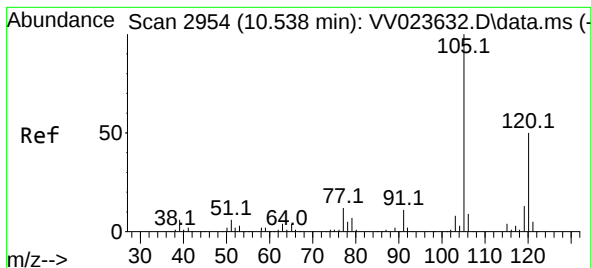
Tgt Ion:106 Resp: 172
Ion Ratio Lower Upper
106 100
91 96.3 137.2 254.8#



#61
1,2,3-Trichloropropane
Concen: 1.607 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023645.D
Acq: 19 Nov 2021 15:52

Tgt Ion: 75 Resp: 5247
Ion Ratio Lower Upper
75 100
77 36.9 26.6 39.8
110 2.5 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.004 ug/L

RT: 10.548 min Scan# 2954

Delta R.T. 0.010 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Instrument :

MSVOA_V

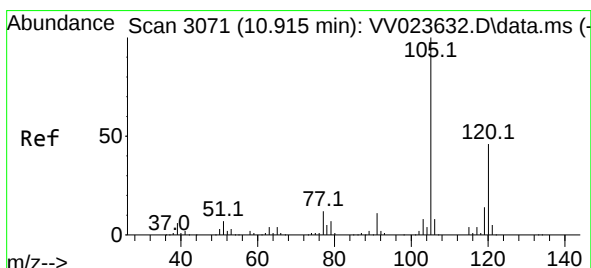
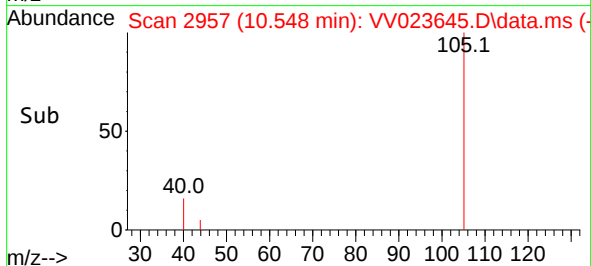
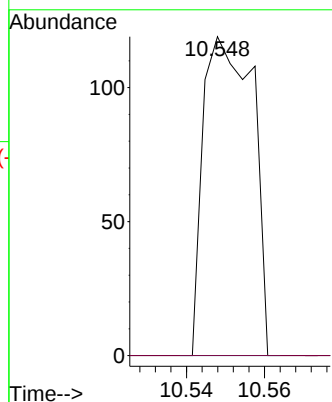
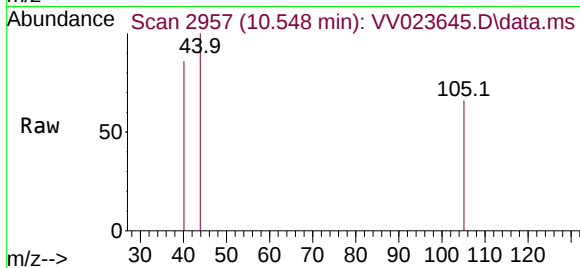
ClientSampleId :

Tgt Ion:105 Resp: 105

Ion Ratio Lower Upper

105 100

120 0.0 39.7 59.5#



#63

1,2,4-Trimethylbenzene

Concen: 0.007 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023645.D

Acq: 19 Nov 2021 15:52

Tgt Ion:105 Resp: 174

Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.2#

