

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023041.D
 Acq On : 26 Oct 2021 16:03
 Operator : SY/MD
 Sample : M4277-13DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 27 01:34:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	109753	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	142374	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	61181	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	51937	5.416	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.400%
7) Chloroethane-d5	1.568	69	28178	4.750	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.108	63	47861	3.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	3.896	46	69473	45.158	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.320%
24) Chloroform-d	4.352	84	62166	3.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.034	65	34921	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.053	84	137335	3.304	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.000%#
36) 1,2-Dichloropropane-d6	6.072	67	41536	3.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.000%
41) Toluene-d8	7.320	98	164139	4.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	7.625	79	20217	4.509	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.092	63	71599	43.136	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37991	4.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	59296	5.432	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.600%

Target Compounds				Qvalue		
5) Vinyl chloride	1.311	62	444	0.057	ug/L #	1
6) Bromomethane	1.523	94	223	0.057	ug/L	99
8) Chloroethane	1.307	64	903	0.222	ug/L #	1
12) 1,1-Dichloroethene	2.118	96	478	0.085	ug/L #	1
13) Acetone	2.185	43	15917	21.088	ug/L	93
15) Methyl Acetate	2.185	43	15917	5.543	ug/L #	47
16) Methylene chloride	2.510	84	3483	0.564	ug/L	90
22) cis-1,2-Dichloroethene	3.912	96	51968	7.641	ug/L #	89
25) Chloroform	4.384	83	9574	0.657	ug/L	97
27) 1,2-Dichloroethane	5.053	62	799	0.104	ug/L #	72
34) Trichloroethene	5.918	95	5147	0.535	ug/L	99
35) Methylcyclohexane	6.072	83	10960	0.795	ug/L #	18
37) 1,2-Dichloropropane	6.076	63	4616	0.478	ug/L #	83
39) cis-1,3-Dichloropropene	6.986	75	1449	0.121	ug/L #	66
42) Toluene	7.404	91	4163	0.107	ug/L	84
47) Tetrachloroethene	7.979	164	19507	2.399	ug/L	98
48) 2-Hexanone	8.146	43	3782	1.121	ug/L #	74
49) Dibromochloromethane	7.976	129	17484	2.175	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6796	1.578	ug/L #	67

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102621\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Oct 27 01:34:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

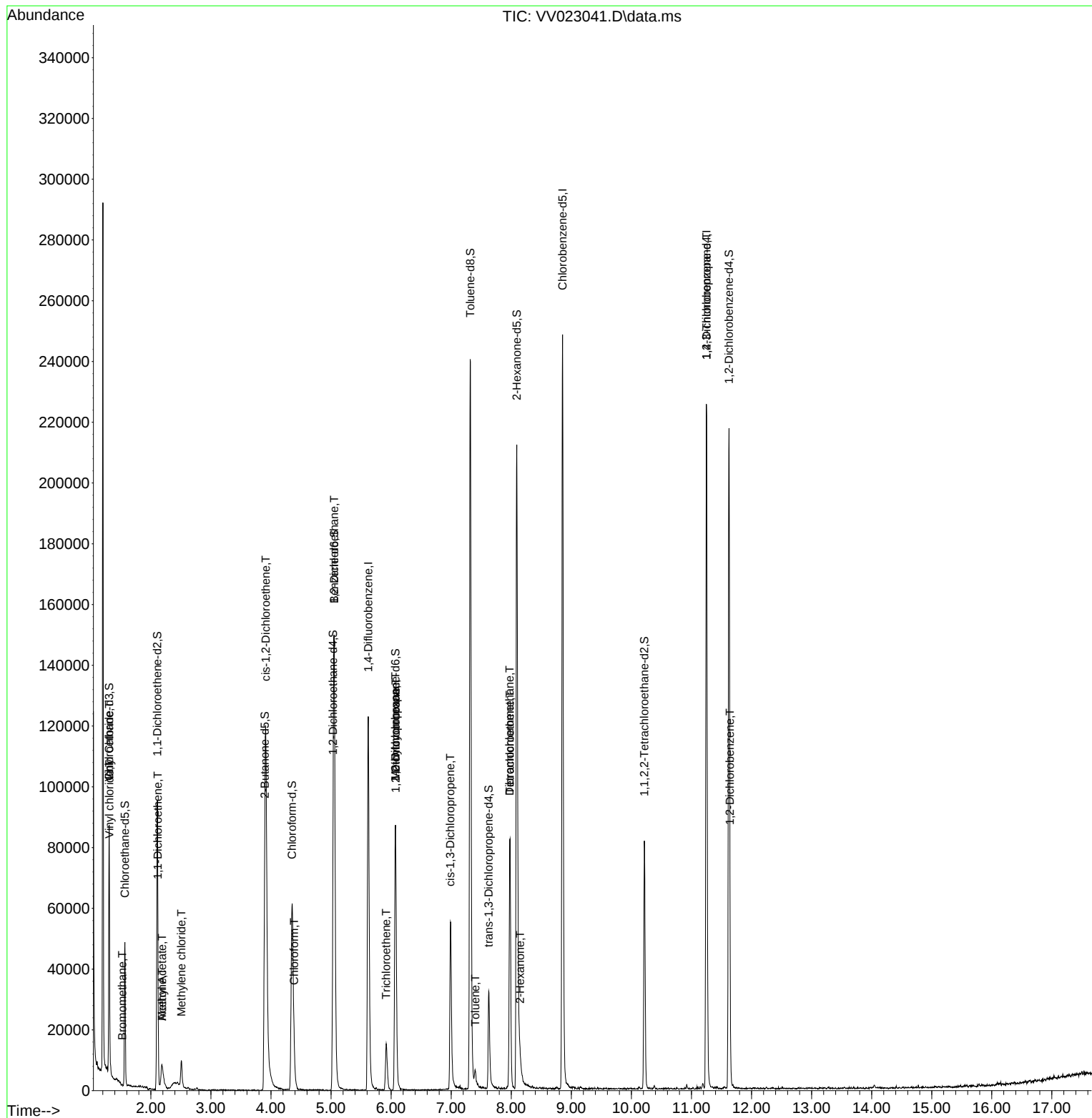
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.641	146	944	0.062	ug/L	# 67

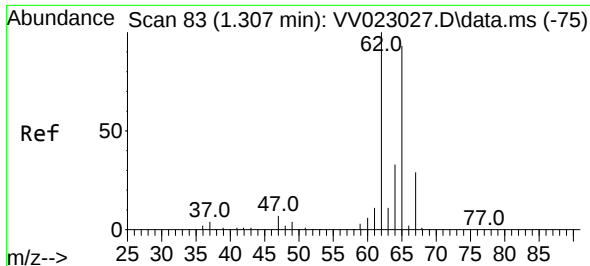
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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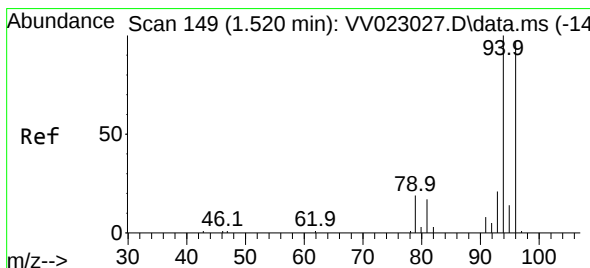
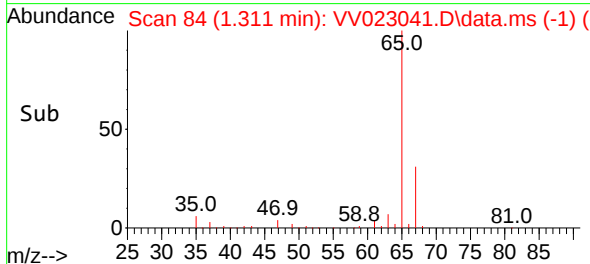
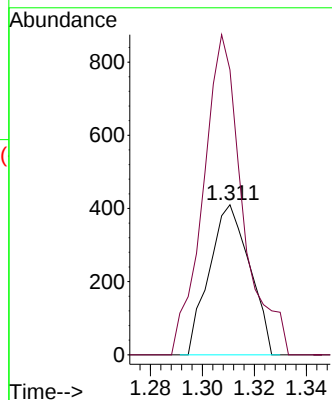
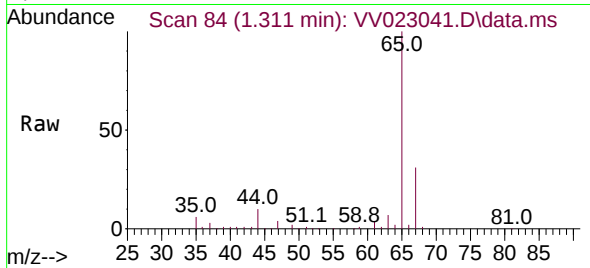




#5
 Vinyl chloride
 Concen: 0.057 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023041.D
 Acq: 26 Oct 2021 16:03

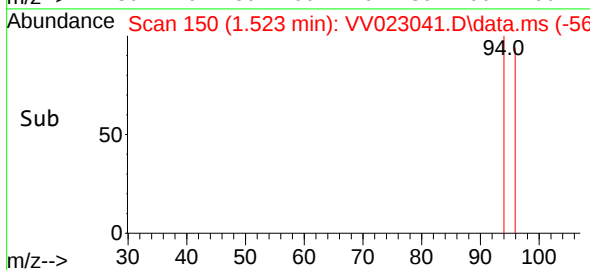
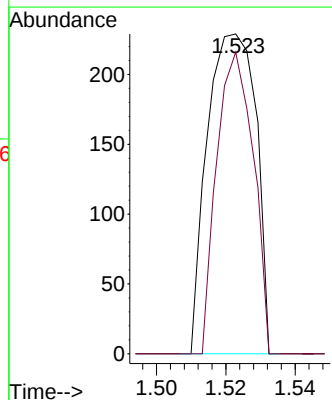
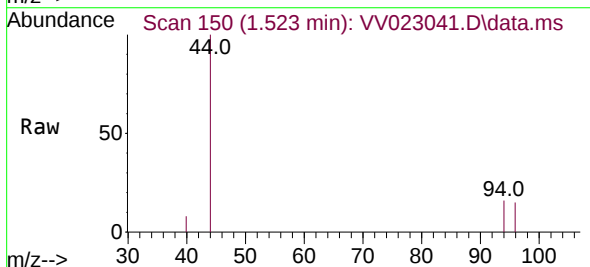
Instrument :
 MSVOA_V
 ClientSampleId :

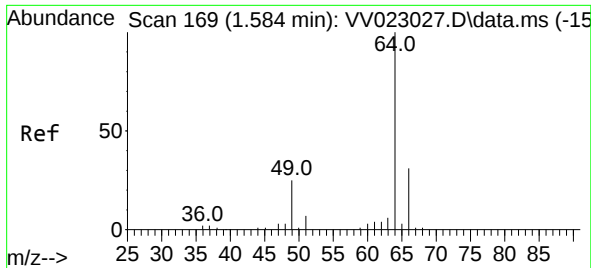
Tgt Ion: 62 Resp: 444
 Ion Ratio Lower Upper
 62 100
 64 190.0 23.1 42.9#



#6
 Bromomethane
 Concen: 0.057 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023041.D
 Acq: 26 Oct 2021 16:03

Tgt Ion: 94 Resp: 223
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.0 120.8





#8

Chloroethane

Concen: 0.222 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.276 min

Lab File: VV023041.D

Acq: 26 Oct 2021 16:03

Instrument :

MSVOA_V

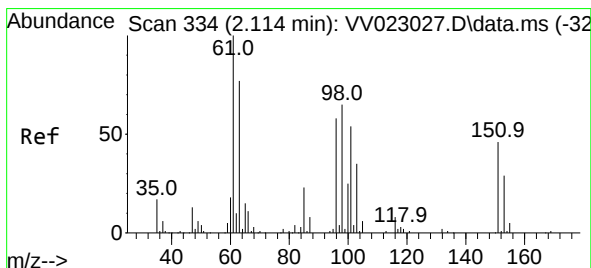
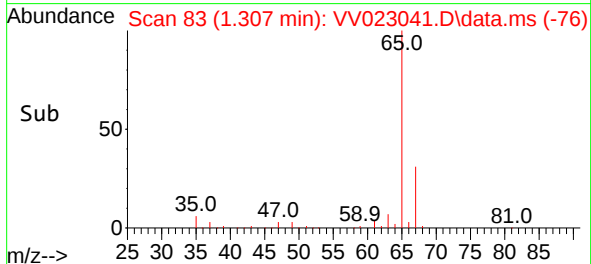
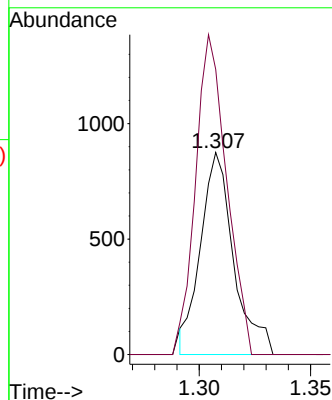
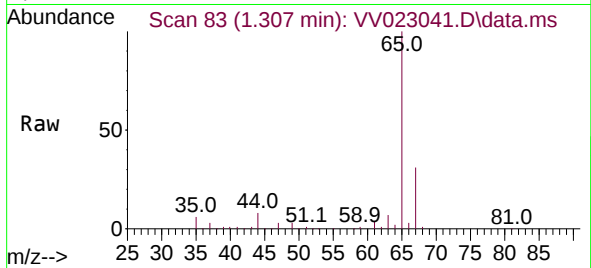
ClientSampleId :

Tgt Ion: 64 Resp: 903

Ion Ratio Lower Upper

64 100

66 141.1 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV023041.D

Acq: 26 Oct 2021 16:03

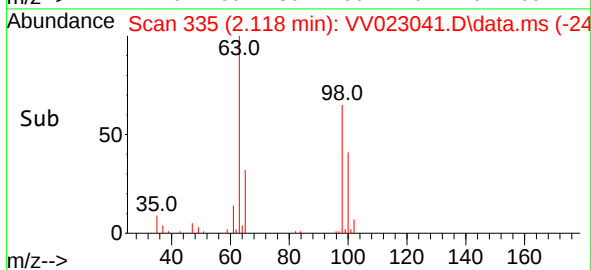
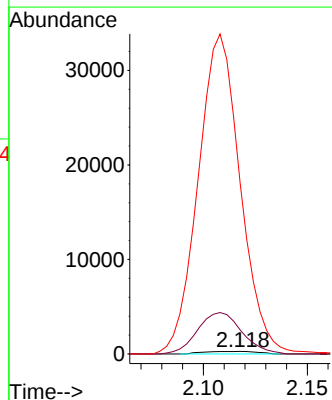
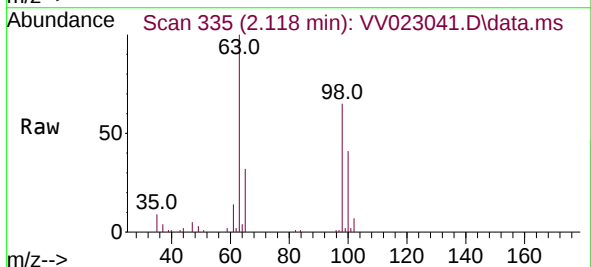
Tgt Ion: 96 Resp: 478

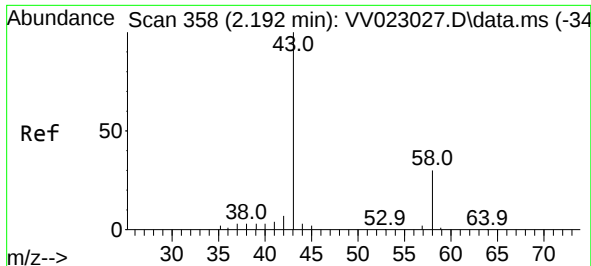
Ion Ratio Lower Upper

96 100

61 953.5 121.5 225.7#

63 6759.9 99.6 185.0#





#13

Acetone

Concen: 21.088 ug/L

RT: 2.185 min Scan# 356

Delta R.T. -0.006 min

Lab File: VV023041.D

Acq: 26 Oct 2021 16:03

Instrument :

MSVOA_V

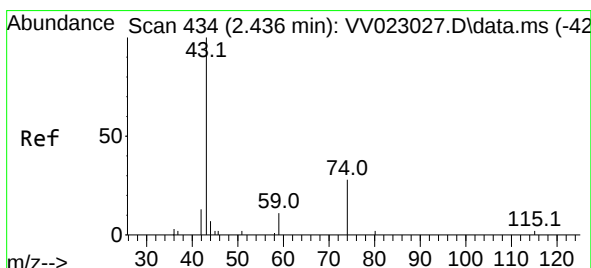
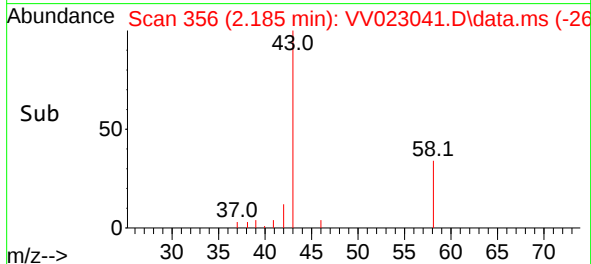
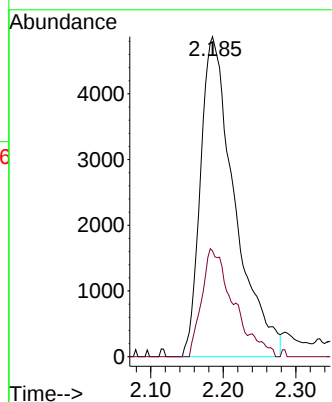
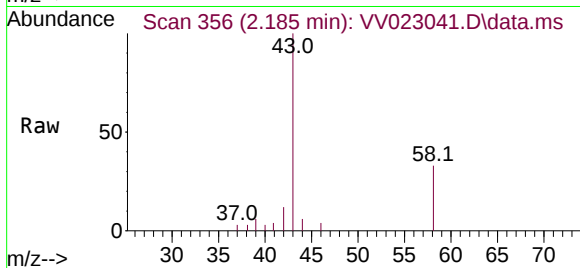
ClientSampleId :

Tgt Ion: 43 Resp: 15917

Ion Ratio Lower Upper

43 100

58 31.5 0.0 55.4



#15

Methyl Acetate

Concen: 5.543 ug/L

RT: 2.185 min Scan# 356

Delta R.T. -0.251 min

Lab File: VV023041.D

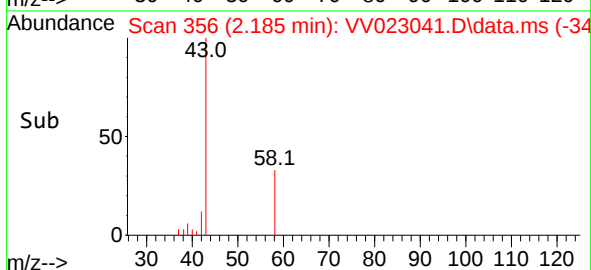
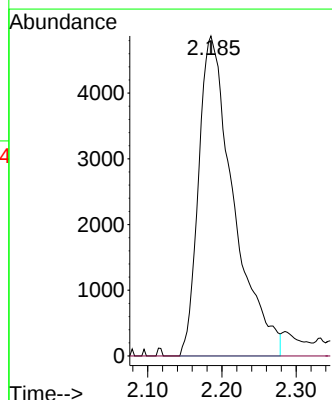
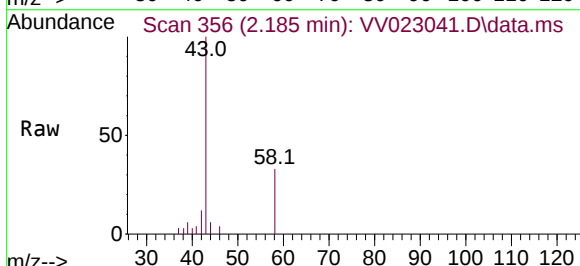
Acq: 26 Oct 2021 16:03

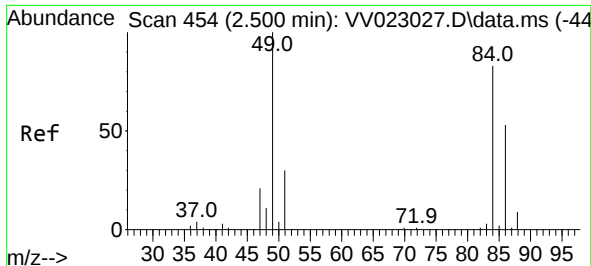
Tgt Ion: 43 Resp: 15917

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.2#

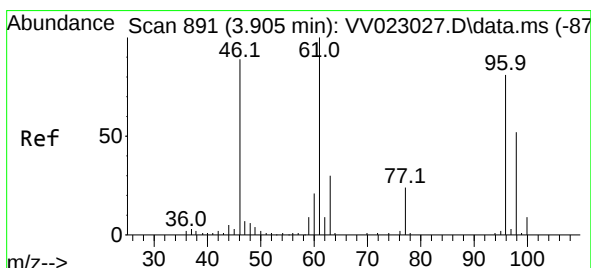
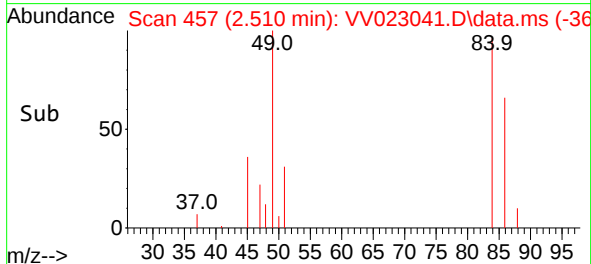
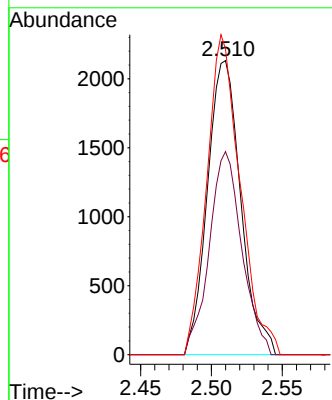
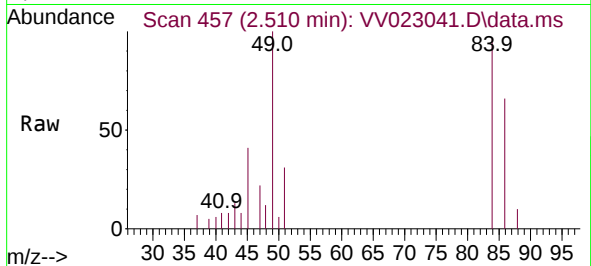




#16
Methylene chloride
Concen: 0.564 ug/L
RT: 2.510 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

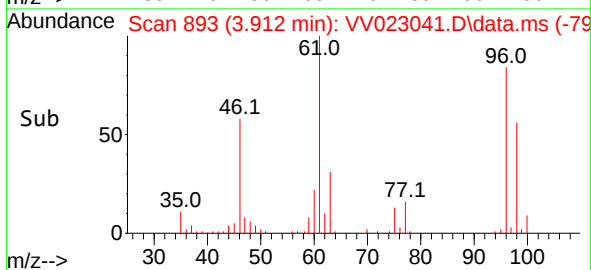
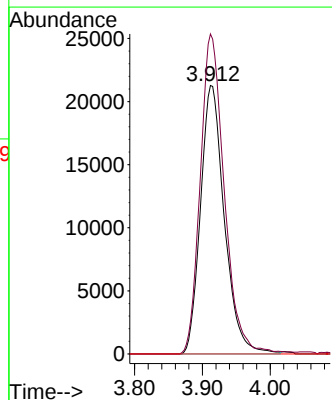
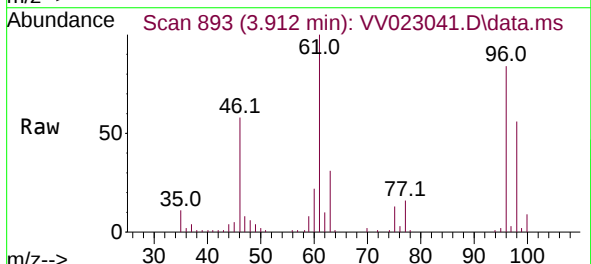
Instrument :
MSVOA_V
ClientSampleId :

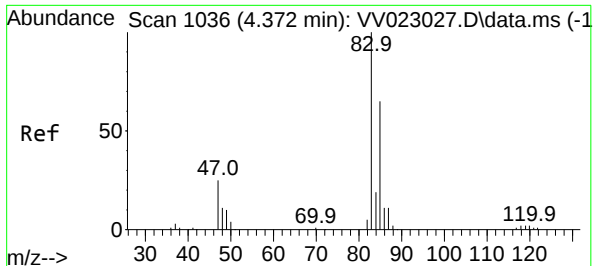
Tgt Ion: 84 Resp: 3483
Ion Ratio Lower Upper
84 100
86 69.0 42.3 78.5
49 104.0 79.7 148.1



#22
cis-1,2-Dichloroethene
Concen: 7.641 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.006 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

Tgt Ion: 96 Resp: 51968
Ion Ratio Lower Upper
96 100
61 119.2 92.3 171.3
68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.657 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV023041.D

Acq: 26 Oct 2021 16:03

Instrument :

MSVOA_V

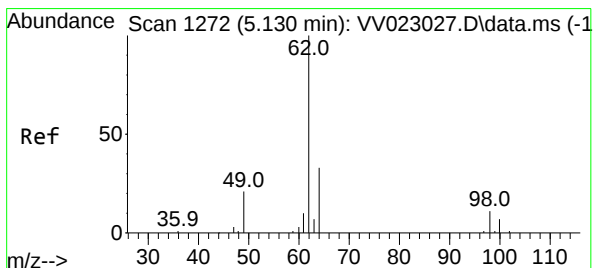
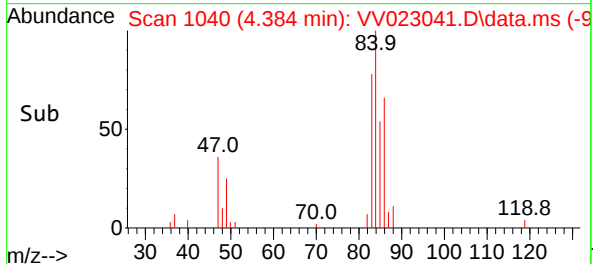
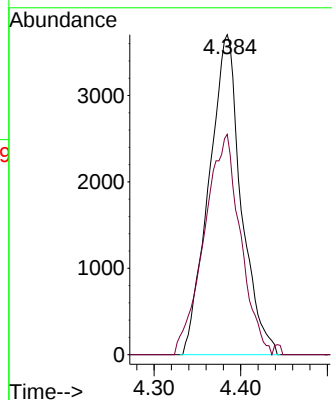
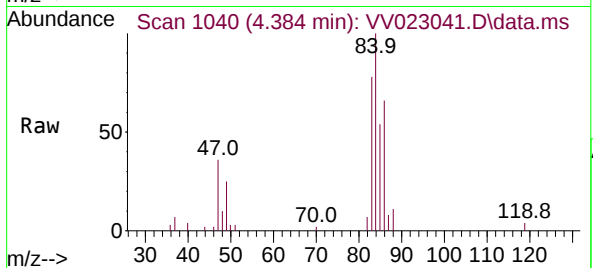
ClientSampleId :

Tgt Ion: 83 Resp: 9574

Ion Ratio Lower Upper

83 100

85 68.8 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.104 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.077 min

Lab File: VV023041.D

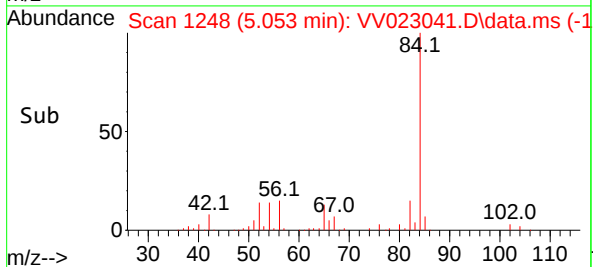
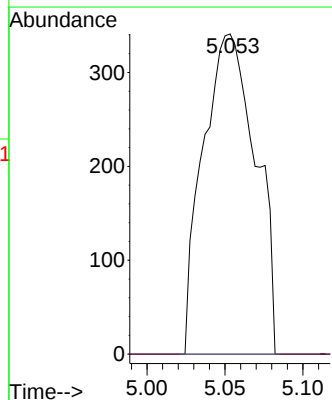
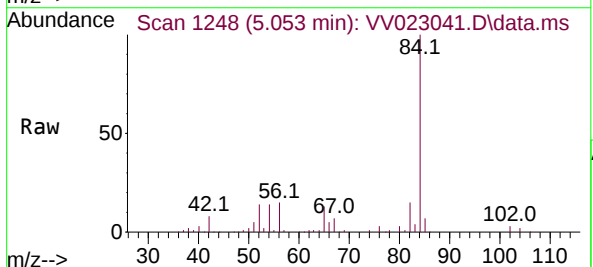
Acq: 26 Oct 2021 16:03

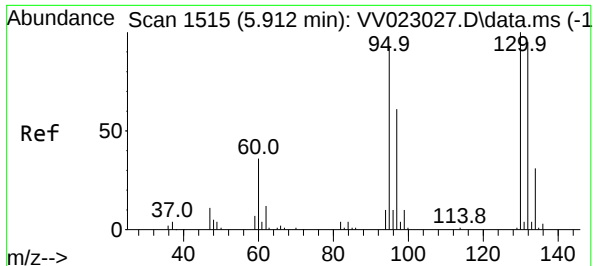
Tgt Ion: 62 Resp: 799

Ion Ratio Lower Upper

62 100

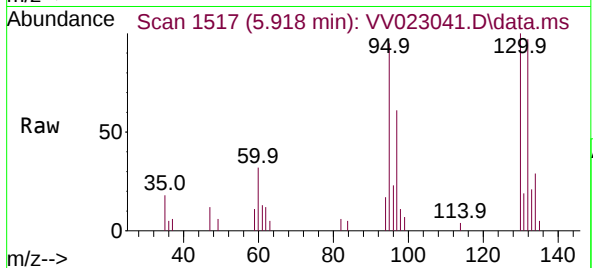
98 0.0 8.2 12.4#





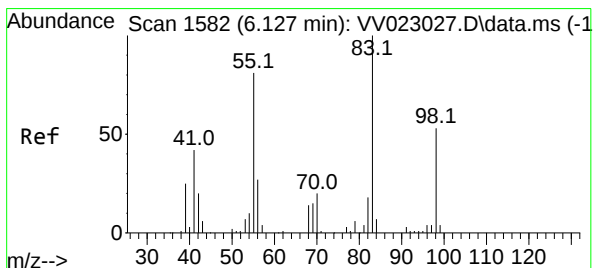
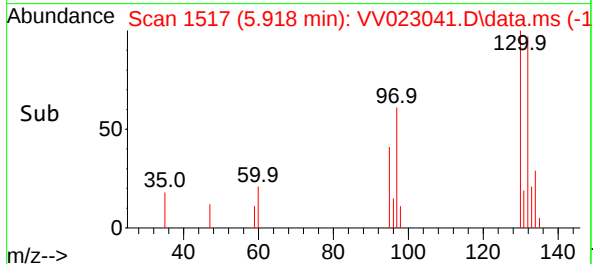
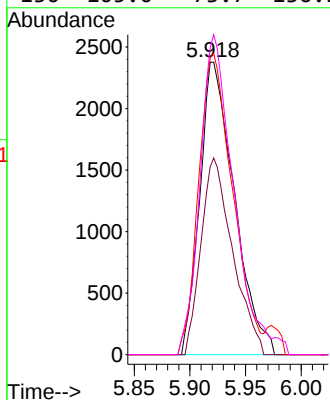
#34
Trichloroethene
Concen: 0.535 ug/L
RT: 5.918 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 5147

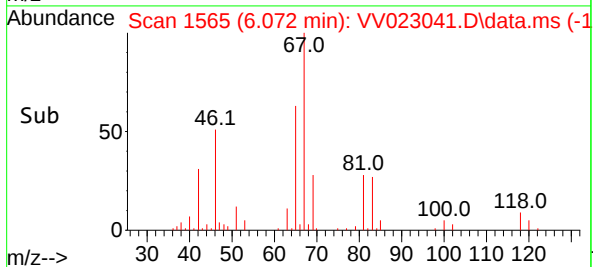
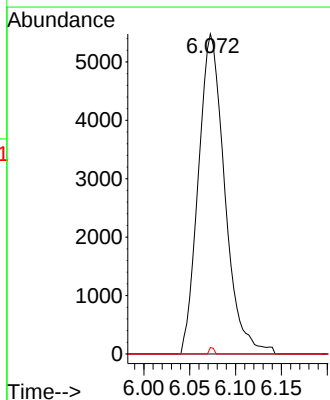
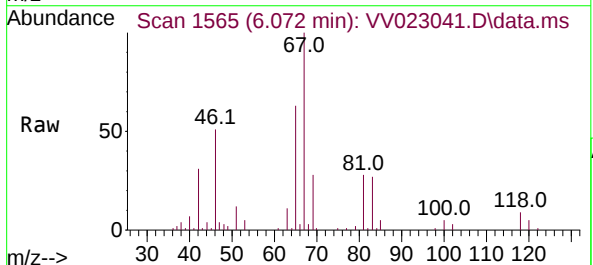
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.0	83.6
132	101.5	69.7	129.4
130	105.0	73.7	136.9

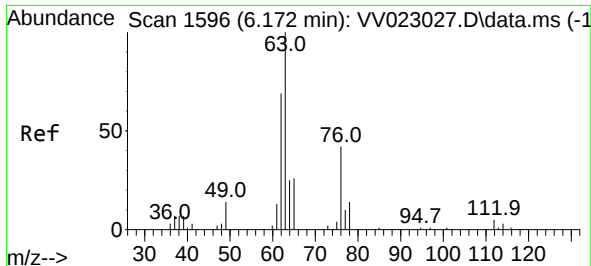


#35
Methylcyclohexane
Concen: 0.795 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

Tgt Ion: 83 Resp: 10960

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	0.4	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.478 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV023041.D

Acq: 26 Oct 2021 16:03

Instrument :

MSVOA_V

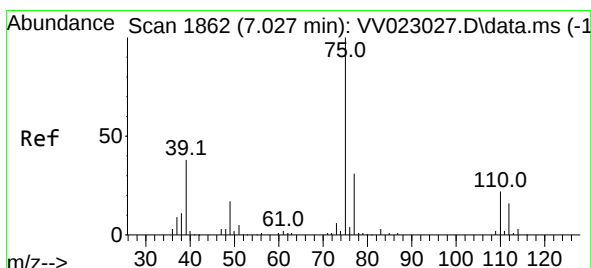
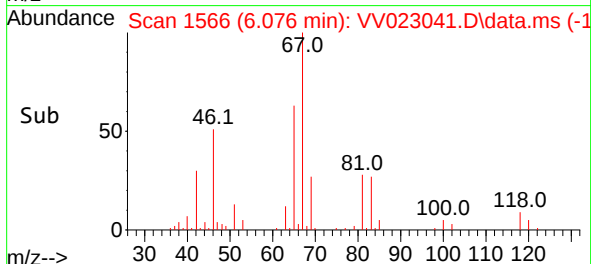
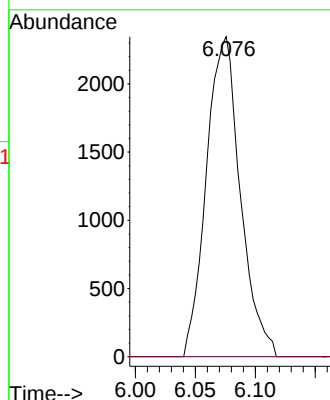
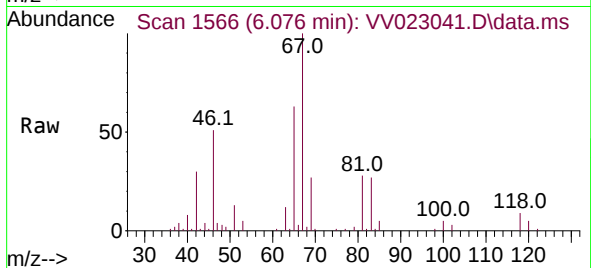
ClientSampleId :

Tgt Ion: 63 Resp: 4616

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV023041.D

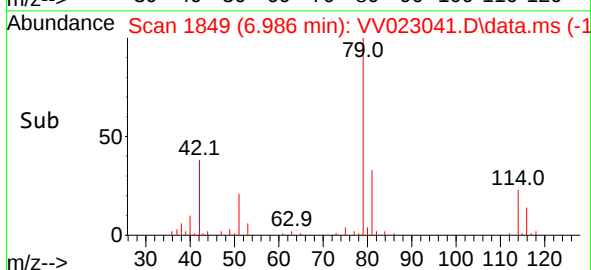
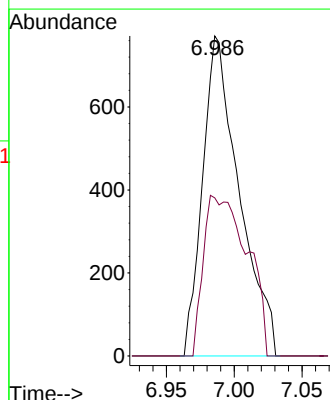
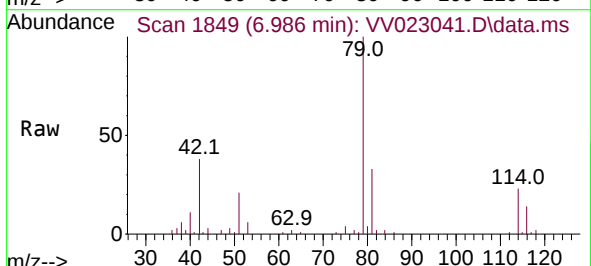
Acq: 26 Oct 2021 16:03

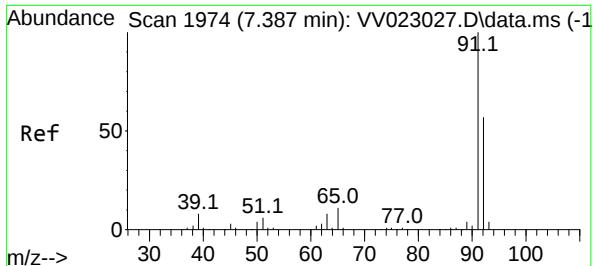
Tgt Ion: 75 Resp: 1449

Ion Ratio Lower Upper

75 100

77 49.4 21.6 40.2#

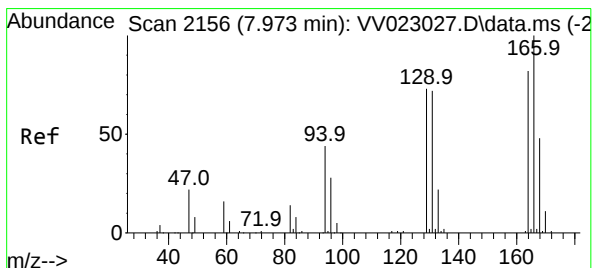
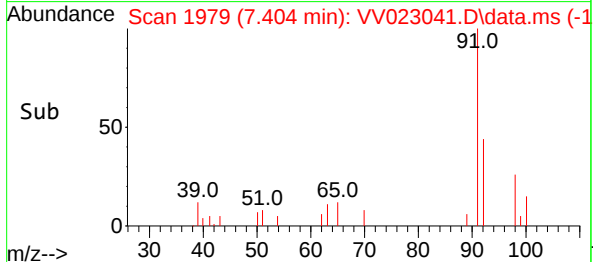
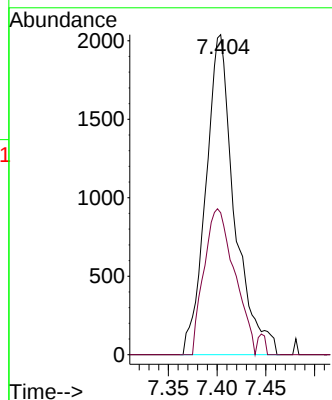
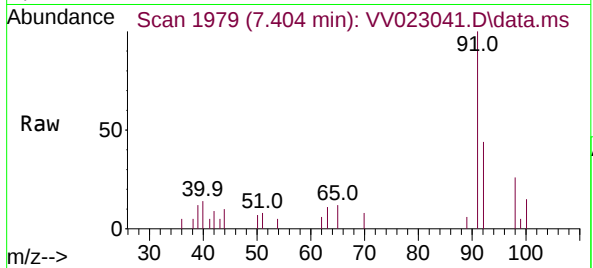




#42
Toluene
Concen: 0.107 ug/L
RT: 7.404 min Scan# 1974
Delta R.T. 0.016 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

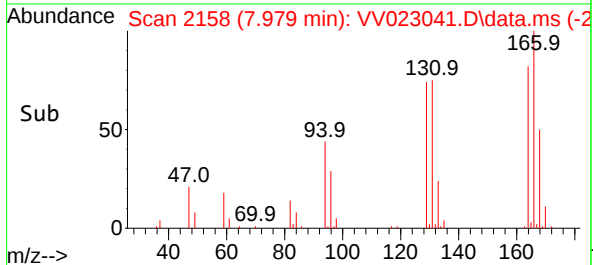
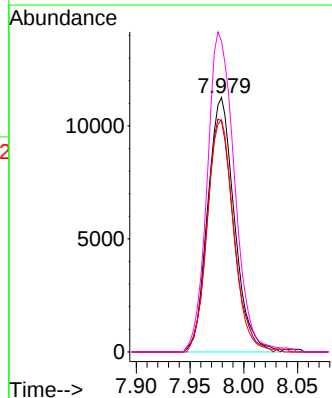
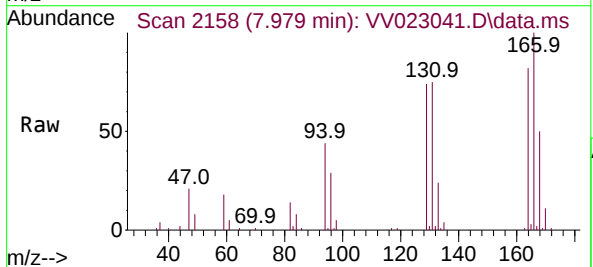
Instrument :
MSVOA_V
ClientSampleId :

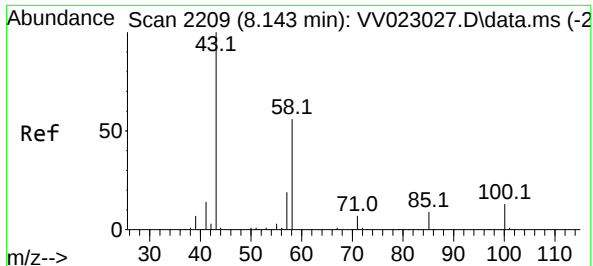
Tgt Ion: 91 Resp: 4163
Ion Ratio Lower Upper
91 100
92 44.3 39.3 72.9



#47
Tetrachloroethene
Concen: 2.399 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

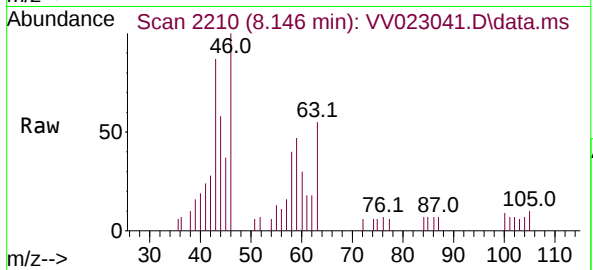
Tgt Ion: 164 Resp: 19507
Ion Ratio Lower Upper
164 100
129 90.9 64.0 119.0
131 91.3 63.4 117.8
166 122.2 89.3 165.9



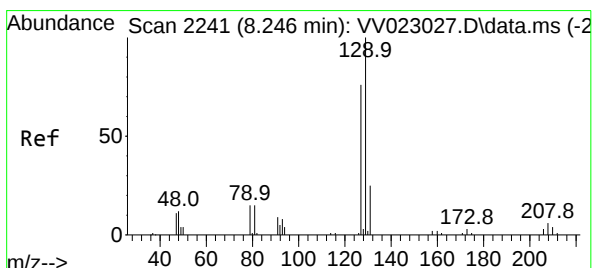
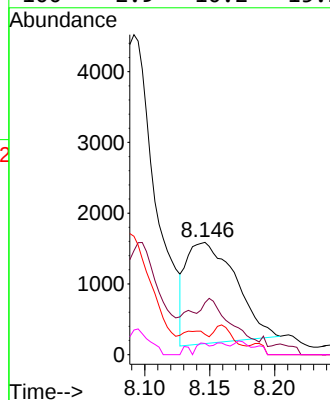
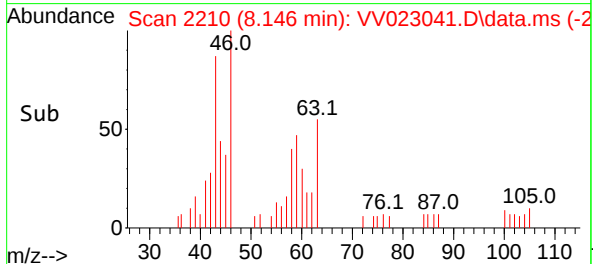


#48
2-Hexanone
Concen: 1.121 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

Instrument :
MSVOA_V
ClientSampleId :

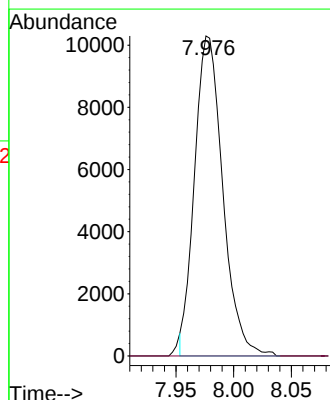
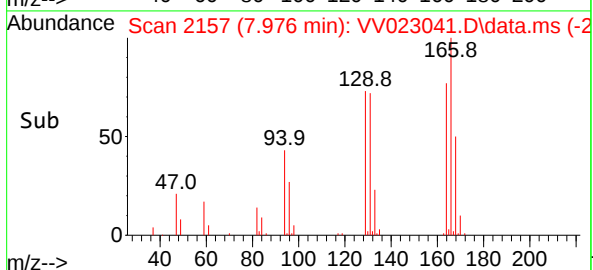
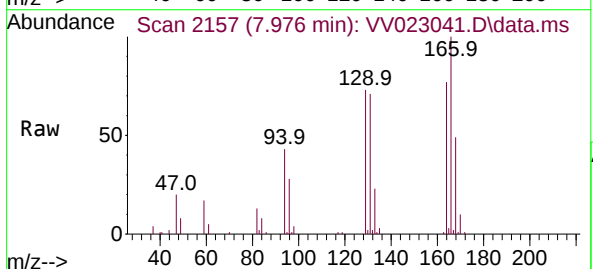


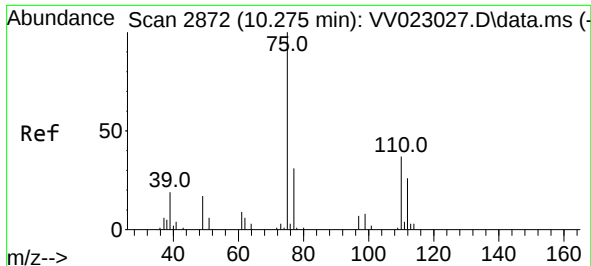
Tgt Ion: 43 Resp: 3782
Ion Ratio Lower Upper
43 100
58 38.6 43.7 65.5#
57 0.0 14.1 21.1#
100 2.9 10.2 15.2#



#49
Dibromochloromethane
Concen: 2.175 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023041.D
Acq: 26 Oct 2021 16:03

Tgt Ion: 129 Resp: 17484
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

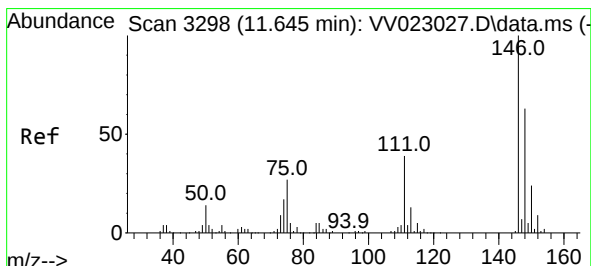
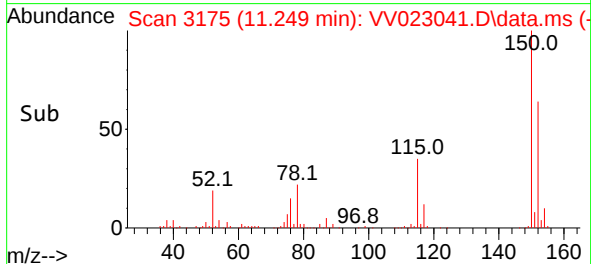
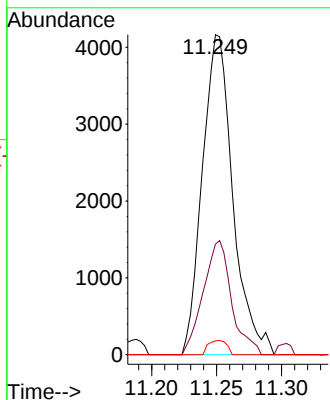
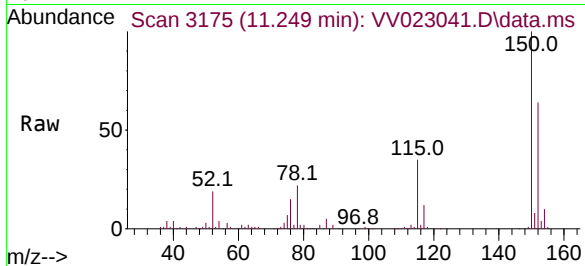




#61
 1,2,3-Trichloropropane
 Concen: 1.578 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV023041.D
 Acq: 26 Oct 2021 16:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 6796
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.6 39.8
 110 2.7 31.8 47.6#



#67
 1,2-Dichlorobenzene
 Concen: 0.062 ug/L
 RT: 11.641 min Scan# 3297
 Delta R.T. -0.003 min
 Lab File: VV023041.D
 Acq: 26 Oct 2021 16:03

Tgt Ion: 146 Resp: 944
 Ion Ratio Lower Upper
 146 100
 111 77.2 31.6 47.4#
 148 76.3 51.0 76.6

