

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023709.D
 Acq On : 24 Nov 2021 18:39
 Operator : SY/MD
 Sample : M4821-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:56:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 01:51:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	133376	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	129646	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39929	3.647	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.000%
7) Chloroethane-d5	1.568	69	33630	3.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.108	63	56447	2.925	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	3.899	46	71438	54.274	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.540%
24) Chloroform-d	4.349	84	79454	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.034	65	41722	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.050	84	156389	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.069	67	47159	4.763	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.316	98	134797	4.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	7.625	79	17478	4.379	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.091	63	69384	52.327	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	33121	4.649	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	53691	4.895	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	573	0.052	ug/L	94
5) Vinyl chloride	1.310	62	43434	3.760	ug/L	98
6) Bromomethane	1.519	94	290	0.044	ug/L #	60
12) 1,1-Dichloroethene	2.121	96	1833	0.205	ug/L #	1
13) Acetone	2.204	43	1846	1.559	ug/L	98
17) Methyl tert-butyl Ether	2.773	73	12400	0.677	ug/L	96
18) trans-1,2-Dichloroethene	2.760	96	87278	8.575	ug/L	97
19) 1,1-Dichloroethane	3.194	63	9077	0.530	ug/L	100
22) cis-1,2-Dichloroethene	3.908	96	847834	86.858	ug/L	99
33) Benzene	5.101	78	5807	0.157	ug/L	100
34) Trichloroethene	5.911	95	421410	42.562	ug/L	97
35) Methylcyclohexane	6.069	83	12741	0.825	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5704	0.649	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	1439	0.115	ug/L #	70
42) Toluene	7.397	91	2920	0.073	ug/L	98
47) Tetrachloroethene	7.976	164	10662	1.183	ug/L	96
48) 2-Hexanone	8.152	43	2885	0.931	ug/L #	58
49) Dibromochloromethane	7.979	129	8978	1.077	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6725	1.529	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 01:51:50 2021
Response via : Initial Calibration

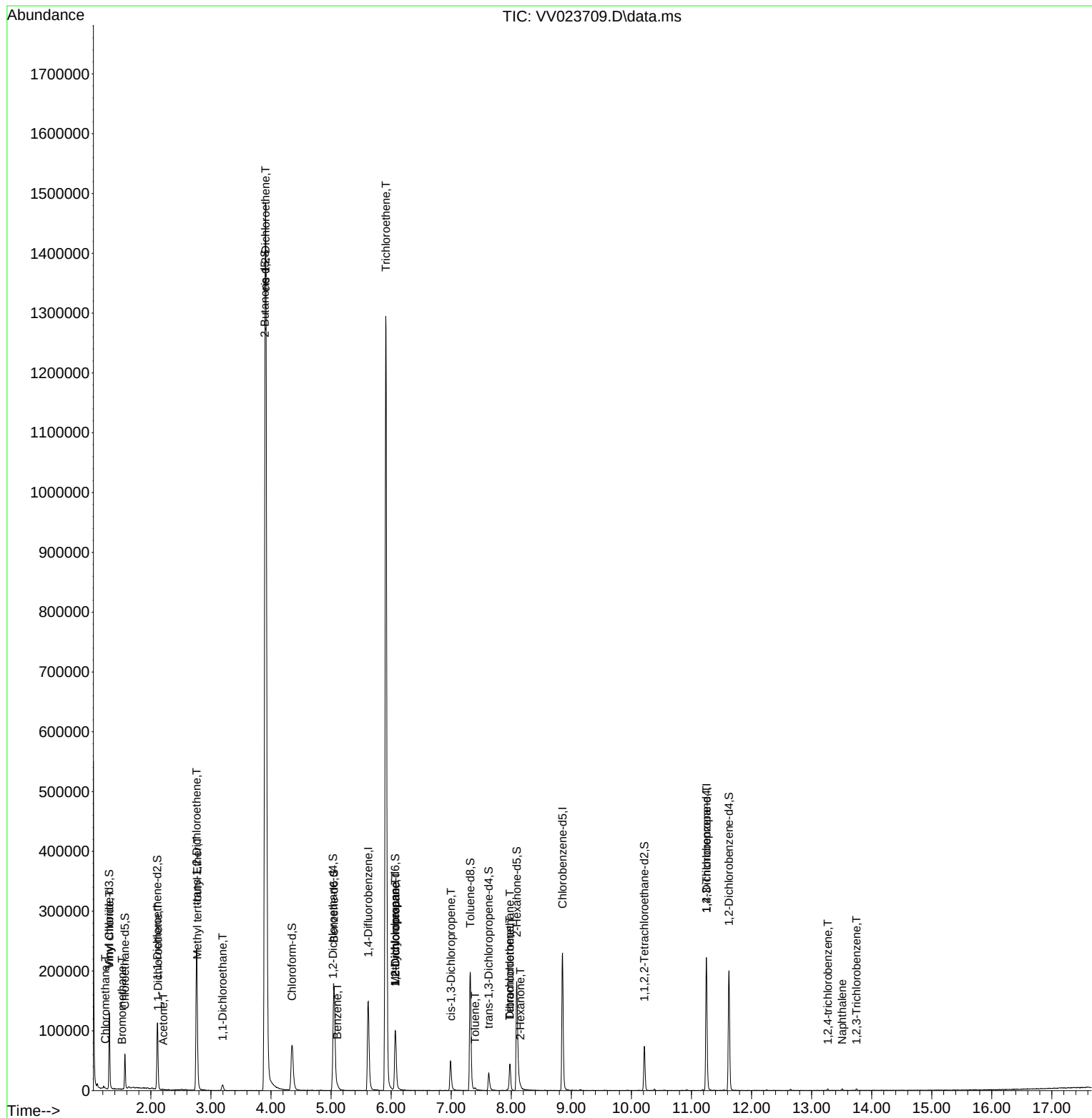
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.271	180	907	0.079	ug/L	92
71) Naphthalene	13.509	128	1965	0.127	ug/L #	84
72) 1,2,3-Trichlorobenzene	13.747	180	1000	0.101	ug/L	98

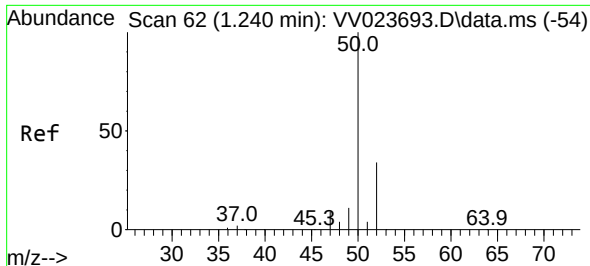
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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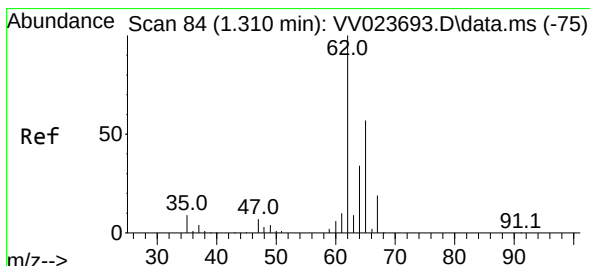
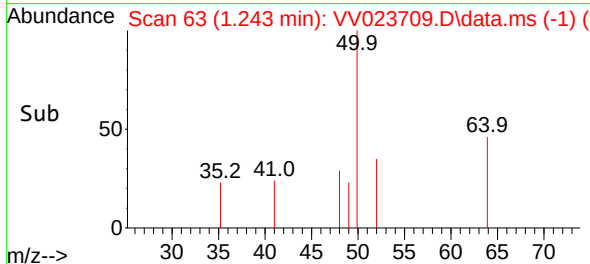
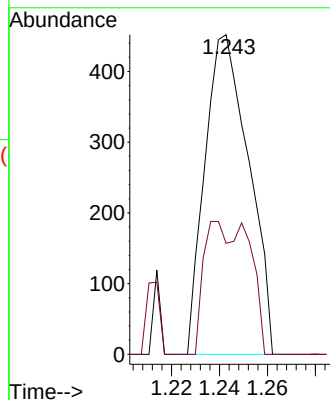
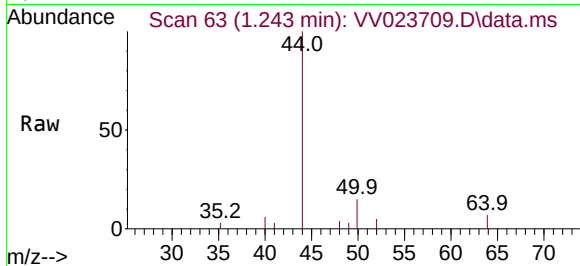




#3
Chloromethane
Concen: 0.052 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

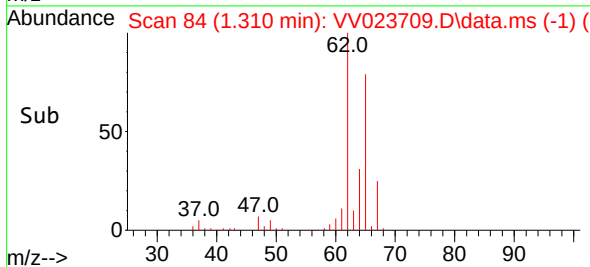
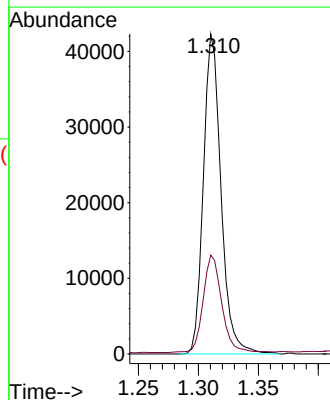
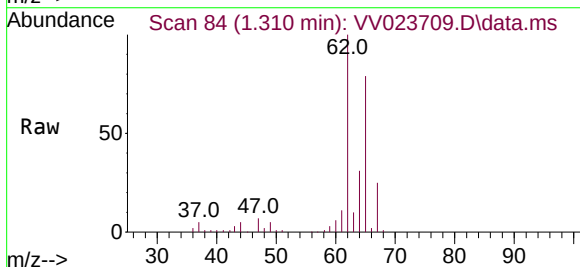
Instrument :
MSVOA_V
ClientSampleId :

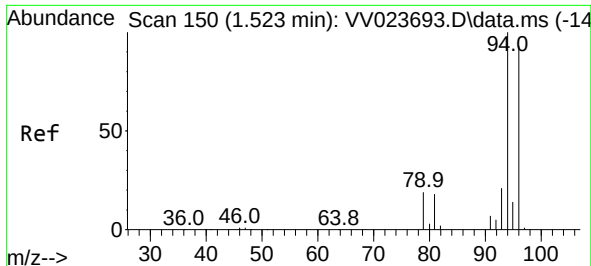
Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 34.7 22.0 41.0



#5
Vinyl chloride
Concen: 3.760 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion: 62 Resp: 43434
Ion Ratio Lower Upper
62 100
64 30.9 22.4 41.6

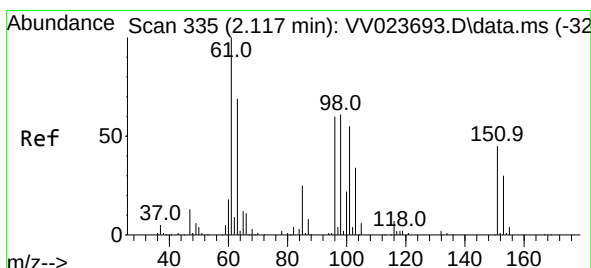
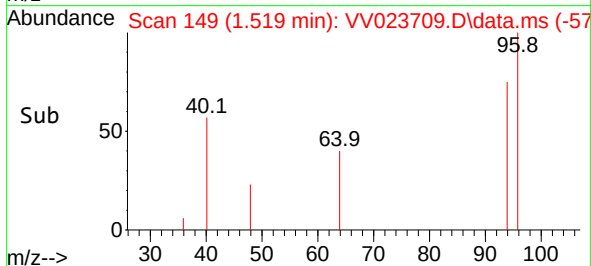
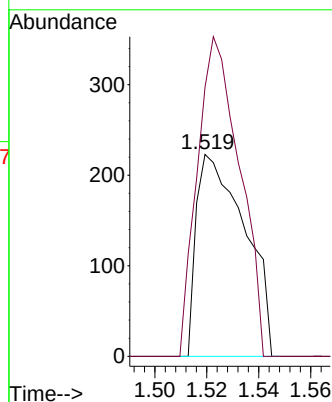
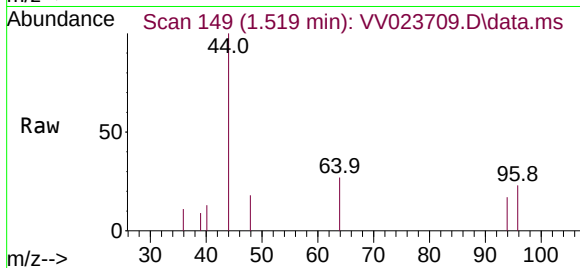




#6
Bromomethane
Concen: 0.044 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

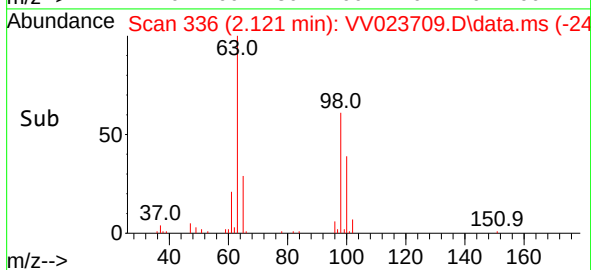
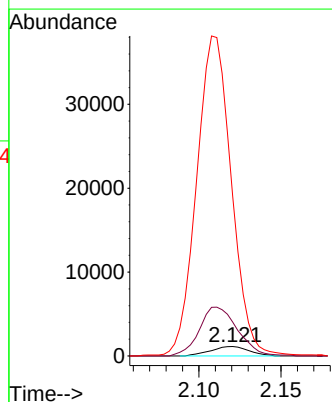
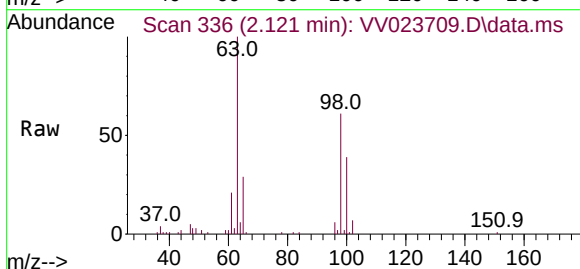
Instrument :
MSVOA_V
ClientSampleId :

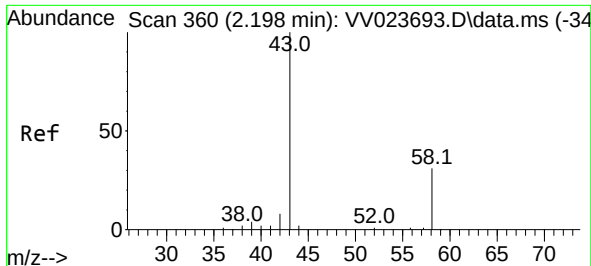
Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 133.2 66.2 123.0#



#12
1,1-Dichloroethene
Concen: 0.205 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion: 96 Resp: 1833
Ion Ratio Lower Upper
96 100
61 361.7 116.1 215.5#
63 1702.9 79.4 147.4#





#13

Acetone

Concen: 1.559 ug/L

RT: 2.204 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV023709.D

Acq: 24 Nov 2021 18:39

Instrument :

MSVOA_V

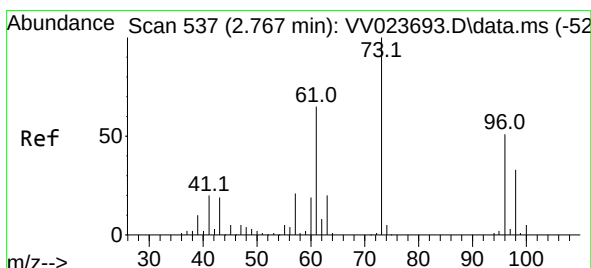
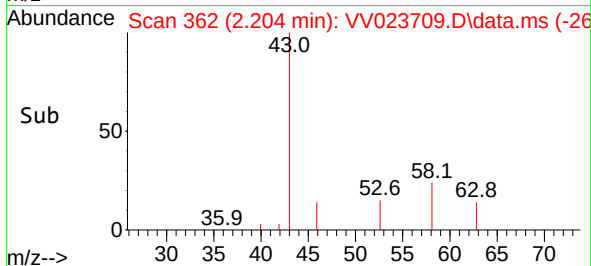
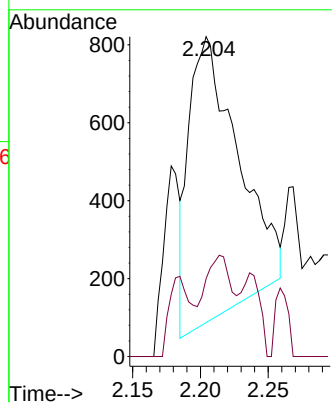
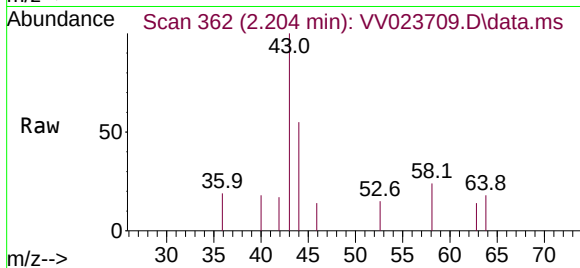
ClientSampleId :

Tgt Ion: 43 Resp: 1846

Ion Ratio Lower Upper

43 100

58 19.6 0.0 41.4



#17

Methyl tert-butyl Ether

Concen: 0.677 ug/L

RT: 2.773 min Scan# 539

Delta R.T. 0.006 min

Lab File: VV023709.D

Acq: 24 Nov 2021 18:39

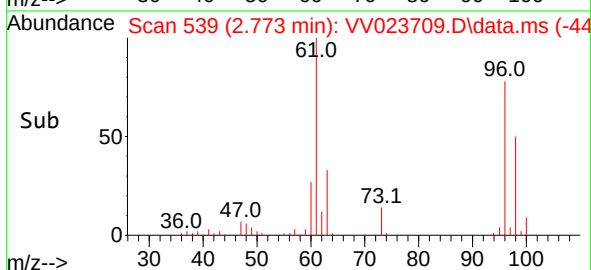
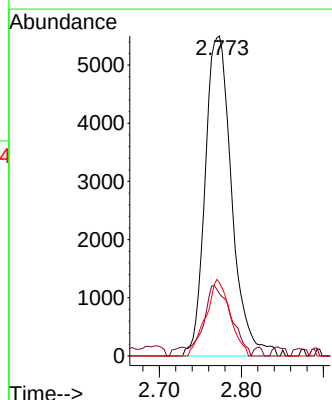
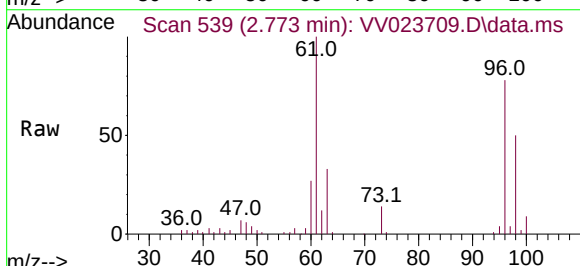
Tgt Ion: 73 Resp: 12400

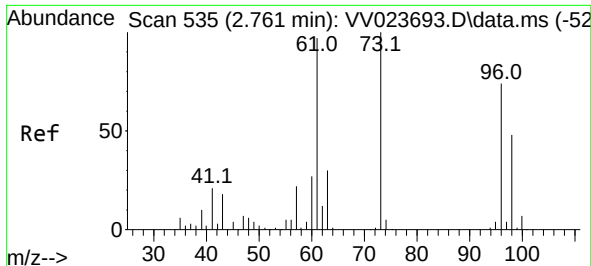
Ion Ratio Lower Upper

73 100

43 22.4 15.5 23.3

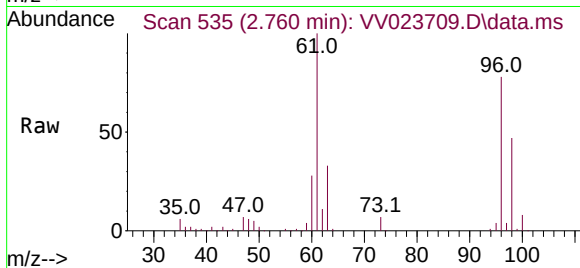
57 21.8 17.1 25.7





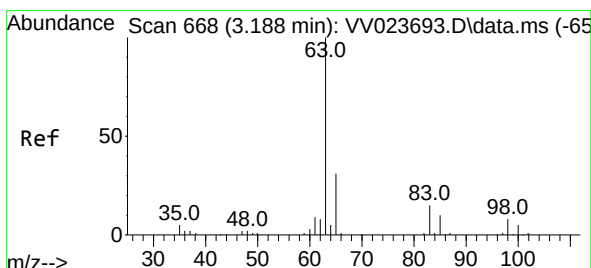
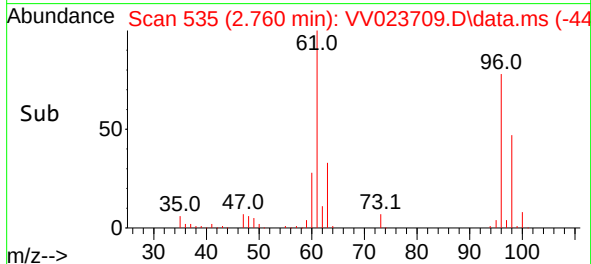
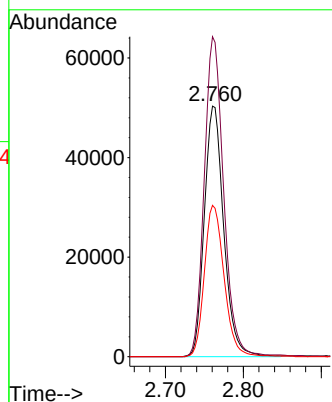
#18
trans-1,2-Dichloroethene
Concen: 8.575 ug/L
RT: 2.760 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 87278

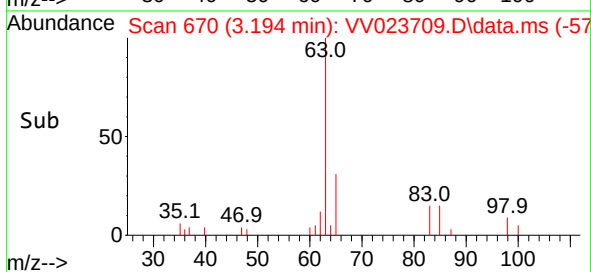
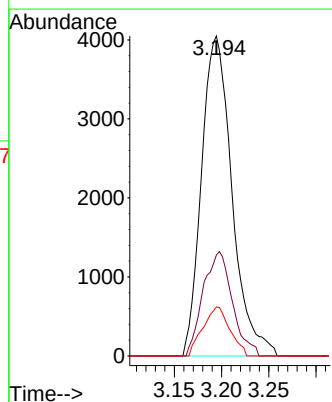
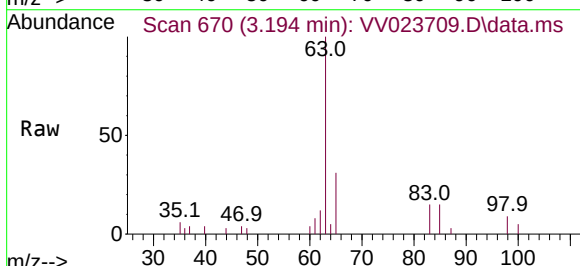
Ion	Ratio	Lower	Upper
96	100		
61	127.7	88.2	163.8
98	60.4	44.9	83.5

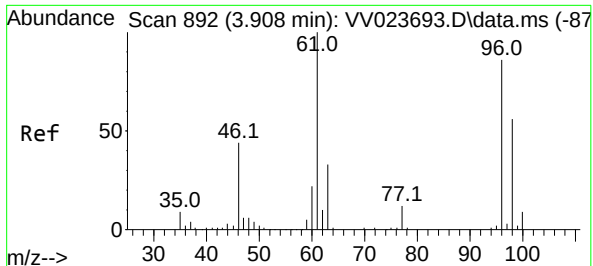


#19
1,1-Dichloroethane
Concen: 0.530 ug/L
RT: 3.194 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion: 63 Resp: 9077

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	15.3	10.7	19.9





#22

cis-1,2-Dichloroethene

Concen: 86.858 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV023709.D

Acq: 24 Nov 2021 18:39

Instrument :

MSVOA_V

ClientSampleId :

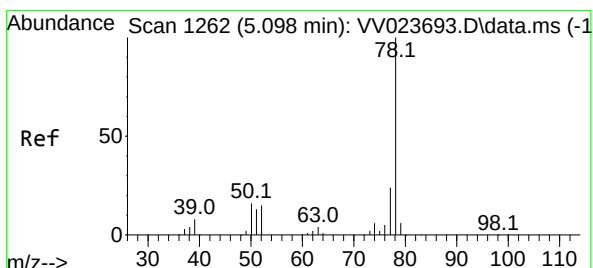
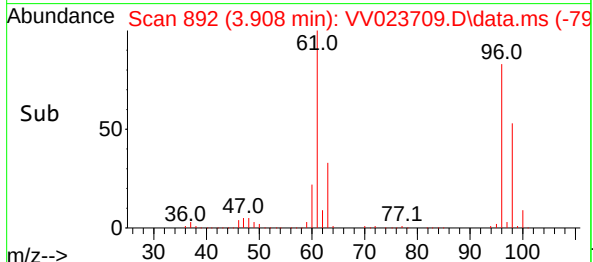
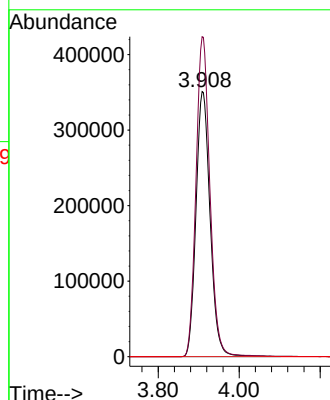
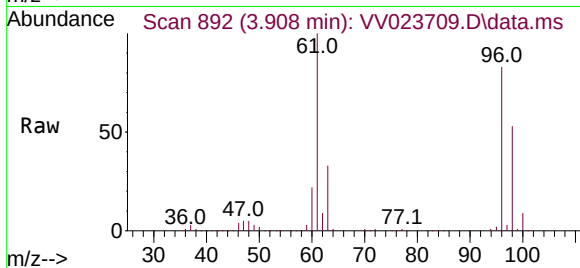
Tgt Ion: 96 Resp: 847834

Ion Ratio Lower Upper

96 100

61 120.7 83.4 154.8

68 0.0 0.0 0.0



#33

Benzene

Concen: 0.157 ug/L

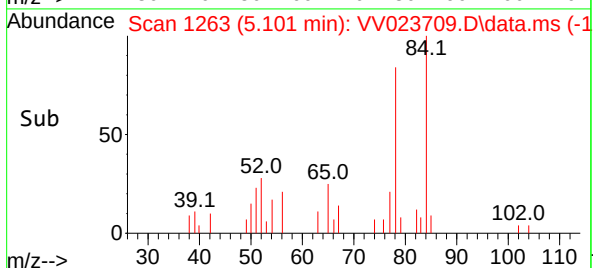
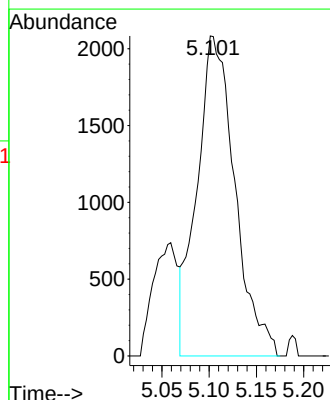
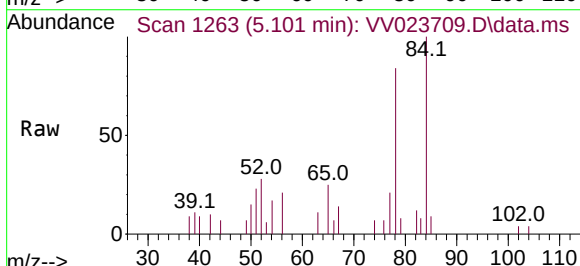
RT: 5.101 min Scan# 1263

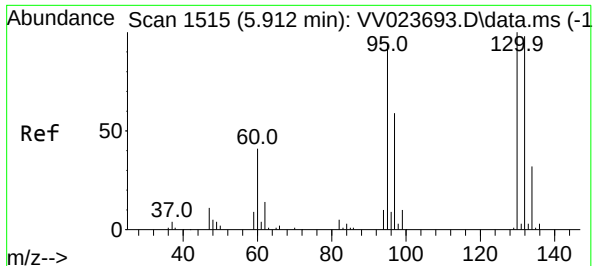
Delta R.T. 0.003 min

Lab File: VV023709.D

Acq: 24 Nov 2021 18:39

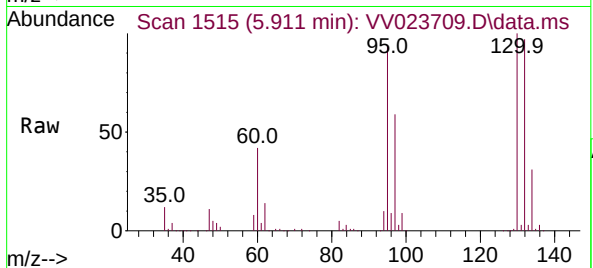
Tgt Ion: 78 Resp: 5807



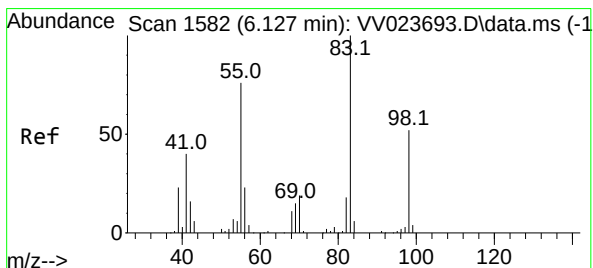
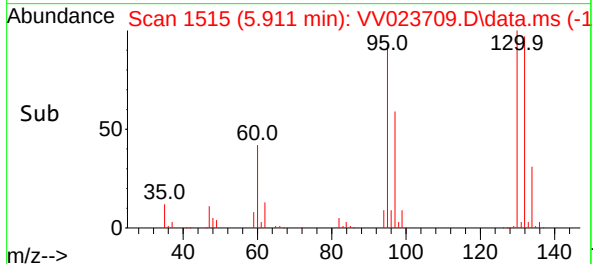
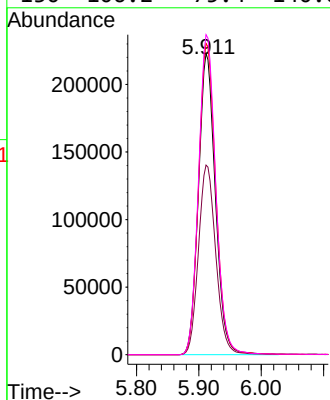


#34
Trichloroethene
Concen: 42.562 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

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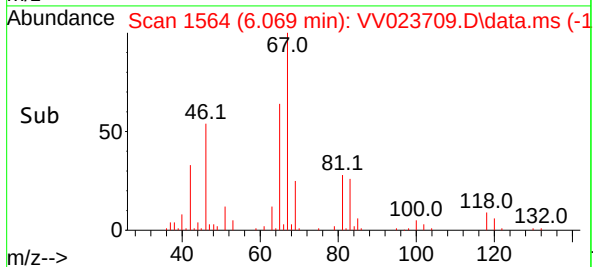
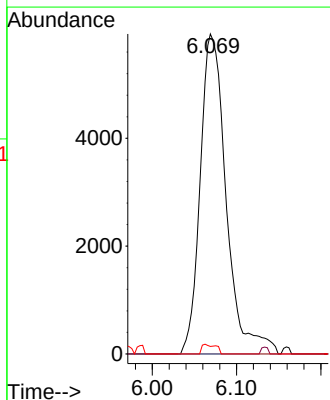
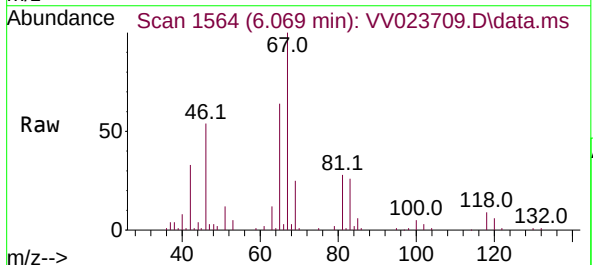


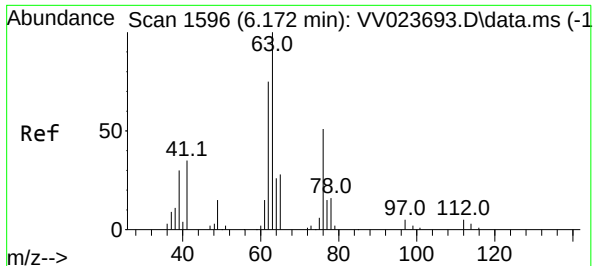
Tgt Ion: 95 Resp: 421410
Ion Ratio Lower Upper
95 100
97 62.9 45.2 84.0
132 103.3 76.1 141.3
130 106.2 75.4 140.0



#35
Methylcyclohexane
Concen: 0.825 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion: 83 Resp: 12741
Ion Ratio Lower Upper
83 100
55 0.5 60.2 90.2#
98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.649 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023709.D

Acq: 24 Nov 2021 18:39

Instrument :

MSVOA_V

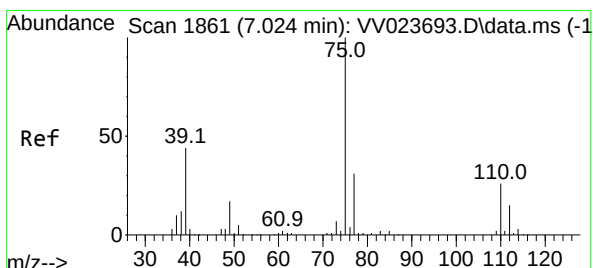
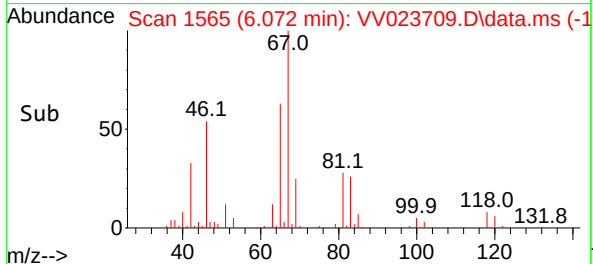
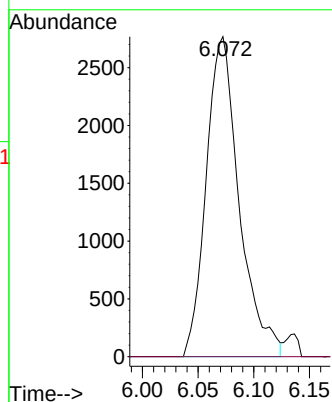
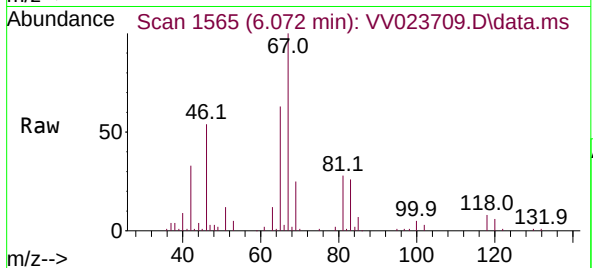
ClientSampleId :

Tgt Ion: 63 Resp: 5704

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.029 min

Lab File: VV023709.D

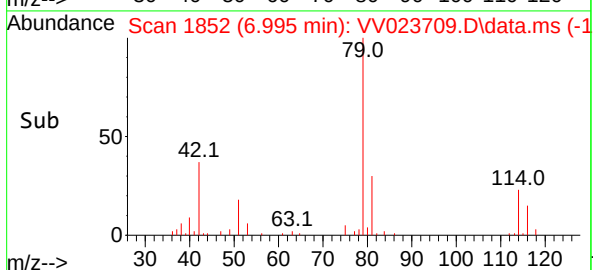
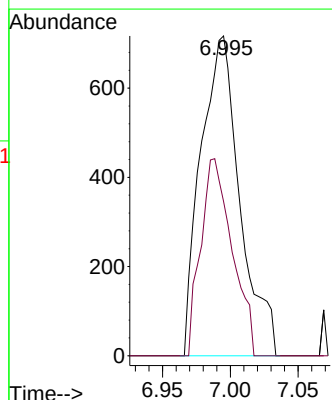
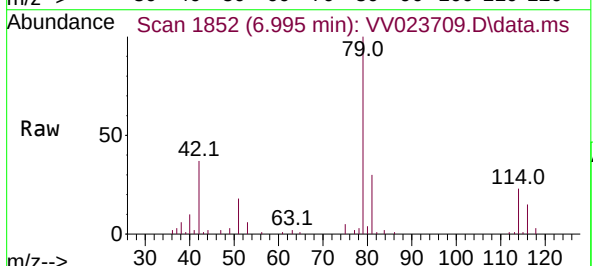
Acq: 24 Nov 2021 18:39

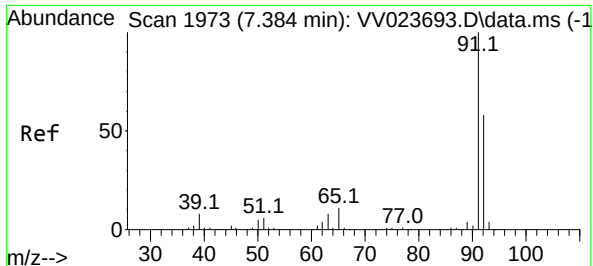
Tgt Ion: 75 Resp: 1439

Ion Ratio Lower Upper

75 100

77 48.3 22.0 41.0#

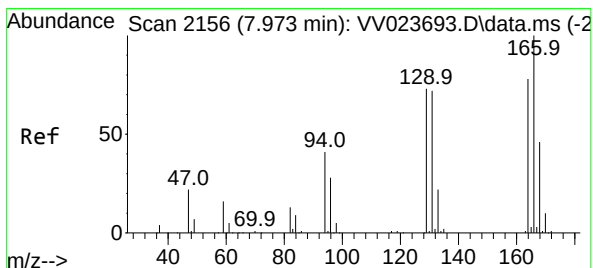
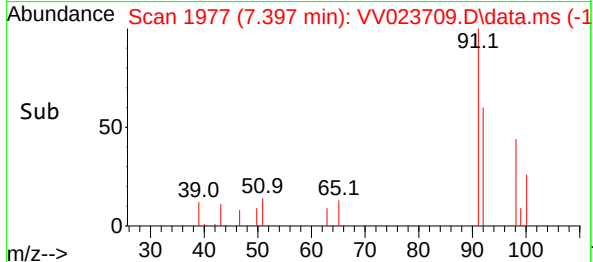
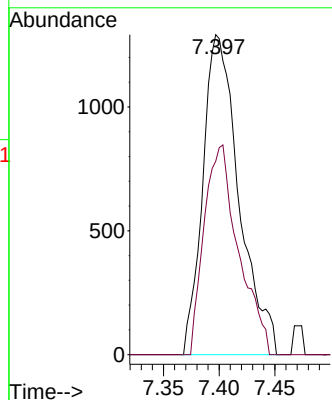
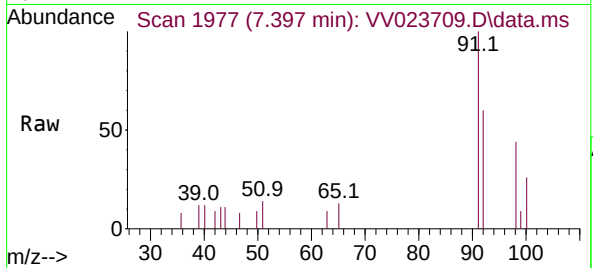




#42
Toluene
Concen: 0.073 ug/L
RT: 7.397 min Scan# 1973
Delta R.T. 0.013 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

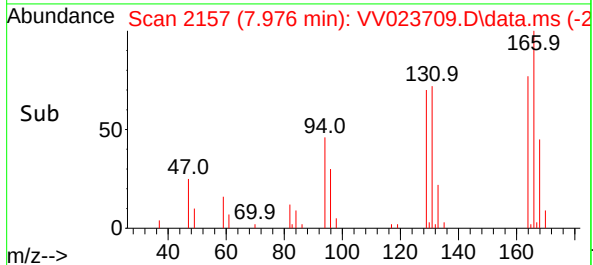
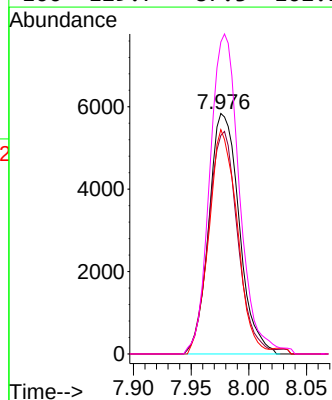
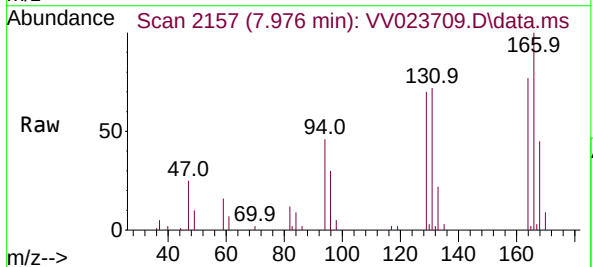
Instrument :
MSVOA_V
ClientSampleId :

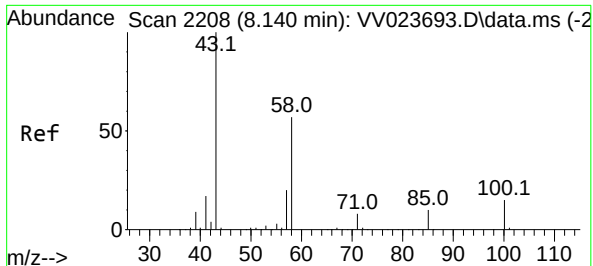
Tgt Ion: 91 Resp: 2920
Ion Ratio Lower Upper
91 100
92 60.4 41.5 77.1



#47
Tetrachloroethene
Concen: 1.183 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion: 164 Resp: 10662
Ion Ratio Lower Upper
164 100
129 90.8 62.6 116.2
131 93.3 61.0 113.4
166 129.7 87.3 162.1

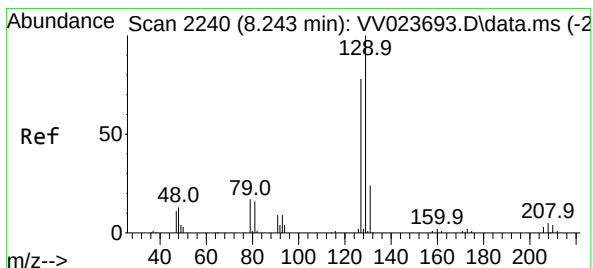
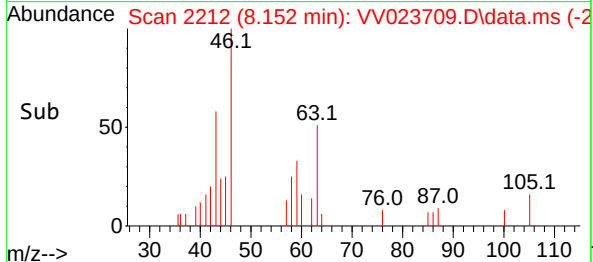
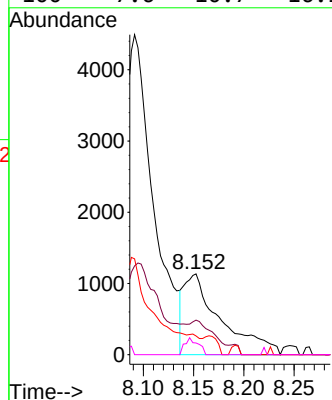
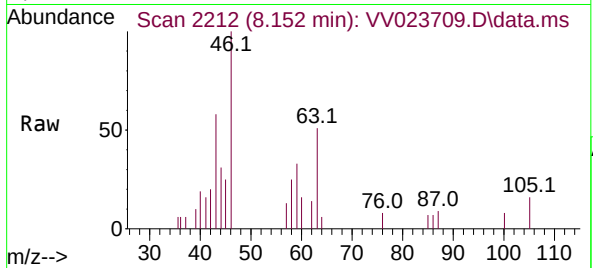




#48
2-Hexanone
Concen: 0.931 ug/L
RT: 8.152 min Scan# 2112
Delta R.T. 0.013 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

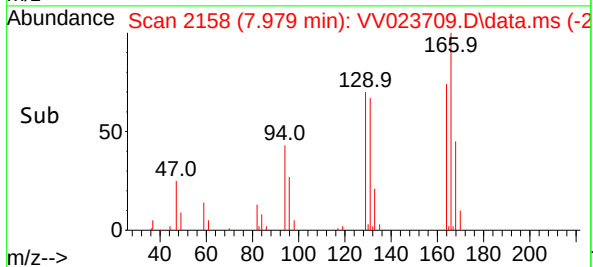
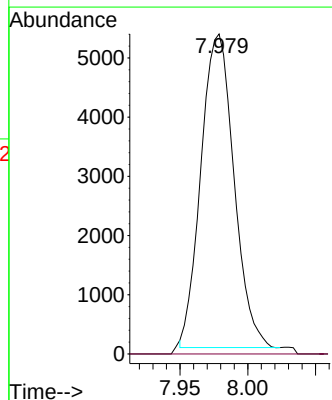
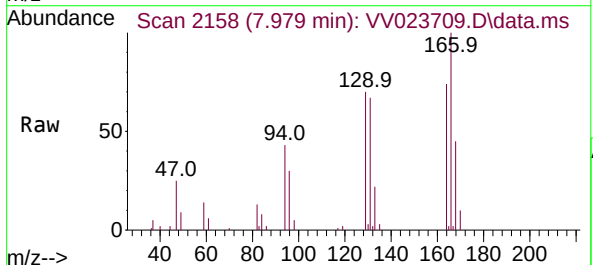
Instrument :
MSVOA_V
ClientSampleId :

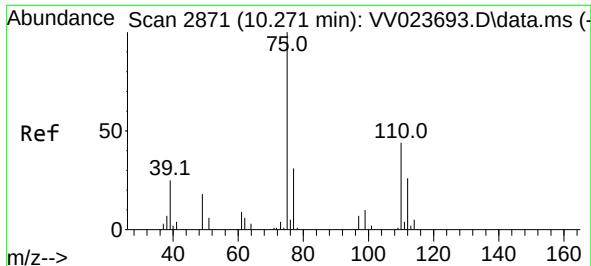
Tgt Ion: 43	Resp: 2885
Ion Ratio	Lower Upper
43 100	
58 16.3	44.5 66.7#
57 7.7	15.1 22.7#
100 7.6	10.7 16.1#



#49
Dibromochloromethane
Concen: 1.077 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.264 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion:129	Resp:	8978	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#

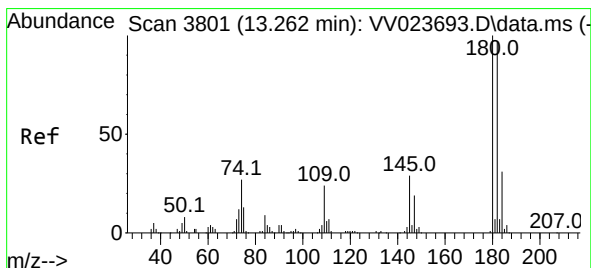
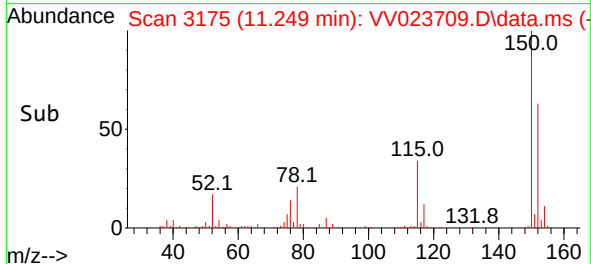
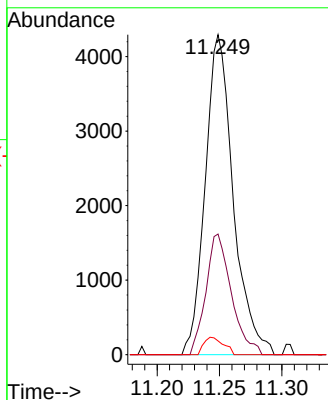
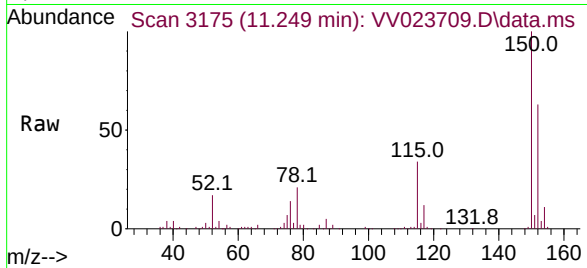




#61
 1,2,3-Trichloropropane
 Concen: 1.529 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.977 min
 Lab File: VV023709.D
 Acq: 24 Nov 2021 18:39

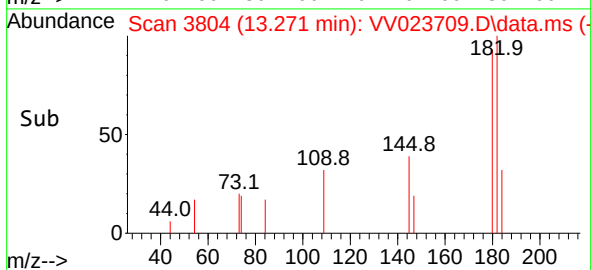
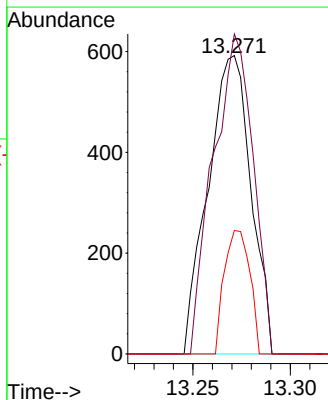
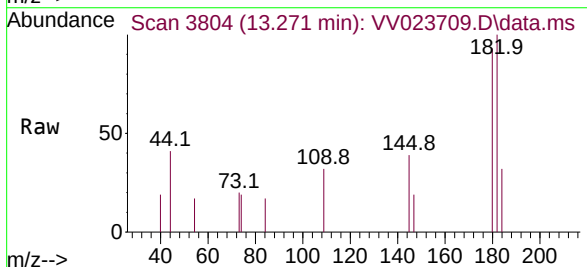
Instrument :
 MSVOA_V
 ClientSampleId :

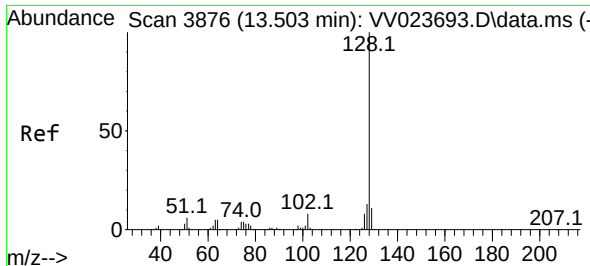
Tgt Ion: 75 Resp: 6725
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.4 39.6
 110 3.8 34.2 51.2#



#70
 1,2,4-trichlorobenzene
 Concen: 0.079 ug/L
 RT: 13.271 min Scan# 3804
 Delta R.T. 0.010 min
 Lab File: VV023709.D
 Acq: 24 Nov 2021 18:39

Tgt Ion: 180 Resp: 907
 Ion Ratio Lower Upper
 180 100
 182 100.0 74.4 111.6
 145 24.5 23.3 34.9

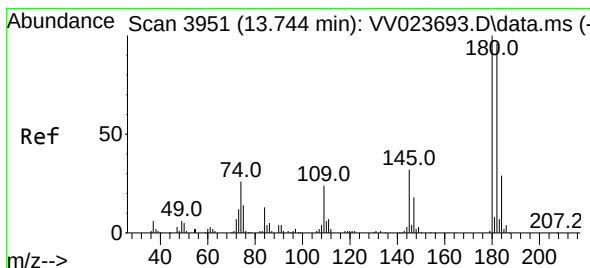
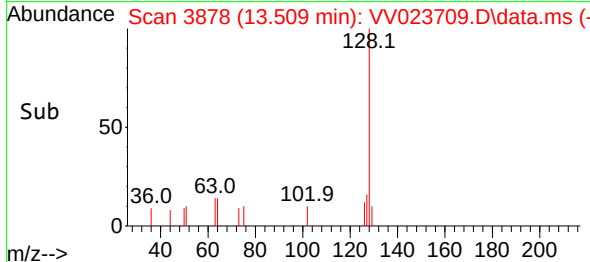
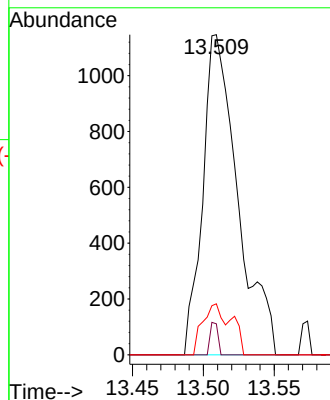
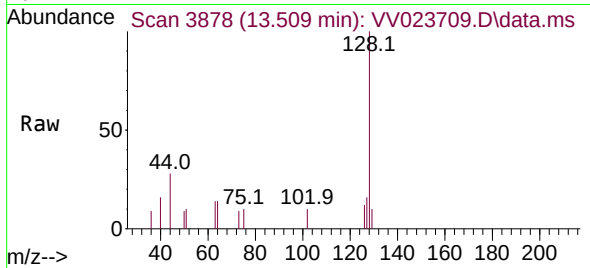




#71
Naphthalene
Concen: 0.127 ug/L
RT: 13.509 min Scan# 3876
Delta R.T. 0.006 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 1965
Ion Ratio Lower Upper
128 100
129 2.2 9.0 13.4#
127 9.4 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.101 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VV023709.D
Acq: 24 Nov 2021 18:39

Tgt Ion:180 Resp: 1000
Ion Ratio Lower Upper
180 100
182 94.5 76.8 115.2
145 33.5 25.8 38.6

