

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029812.D
 Acq On : 13 Jan 2023 16:41
 Operator : SY/MD
 Sample : 01138-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W8

Quant Time: Jan 13 22:52:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	210351	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	205345	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	108626	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	69884	4.380	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.564	69	62609	4.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.114	63	403640	13.878	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	277.600%#
20) 2-Butanone-d5	3.883	46	139303	49.260	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.520%
24) Chloroform-d	4.342	84	136097	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.027	65	62057	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.043	84	284025	4.663	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.063	67	90049	5.051	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.310	98	252032	4.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.616	79	26914	4.134	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.085	63	128079	48.321	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.640%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	65483	5.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	99138	5.020	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2663	0.129	ug/L	100
5) Vinyl chloride	1.310	62	214622	10.623	ug/L	99
8) Chloroethane	1.584	64	9926	0.810	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	2574	0.165	ug/L #	27
12) 1,1-Dichloroethene	2.117	96	635901	35.403	ug/L #	77
14) Carbon disulfide	2.294	76	3899	0.075	ug/L	96
15) Methyl Acetate	2.175	43	6711	1.277	ug/L #	45
17) Methyl tert-butyl Ether	2.764	73	3273	0.105	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	42825	2.565	ug/L	95
19) 1,1-Dichloroethane	3.185	63	402493	14.410	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	155943	8.765	ug/L	100
27) 1,2-Dichloroethane	5.130	62	19962	1.353	ug/L	98
33) Benzene	5.101	78	4909	0.072	ug/L	100
34) Trichloroethene	5.905	95	516629	30.027	ug/L	96
35) Methylcyclohexane	6.066	83	21629	0.745	ug/L #	20
37) 1,2-Dichloropropane	6.169	63	4472	0.281	ug/L #	97
39) cis-1,3-Dichloropropene	6.982	75	1717	0.081	ug/L #	53
45) 1,1,2-Trichloroethane	7.837	97	2057	0.180	ug/L	84
49) Dibromochloromethane	7.979	129	441	0.033	ug/L #	11

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

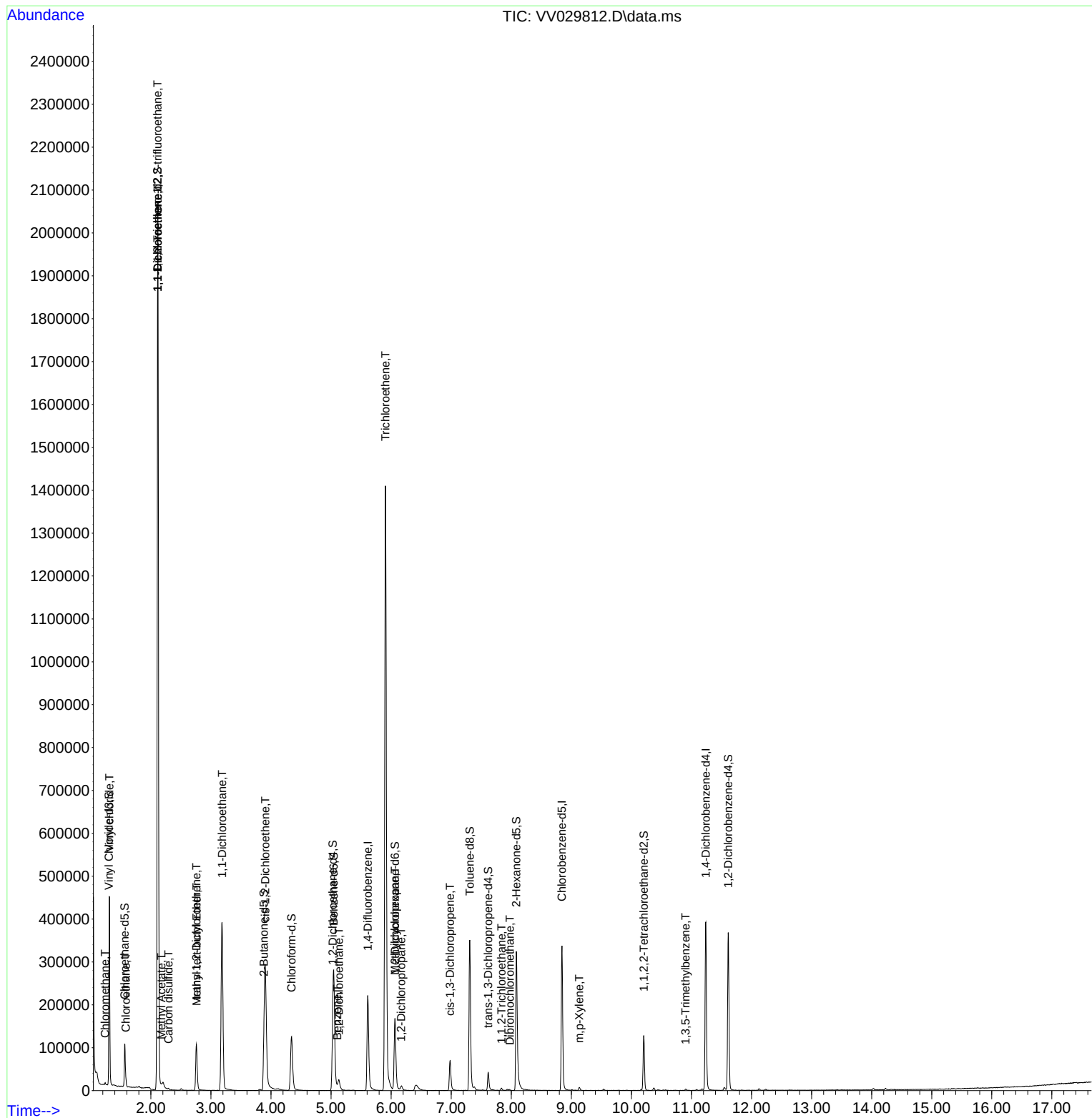
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.133	106	2212	0.073	ug/L	97
62) 1,3,5-Trimethylbenzene	10.902	105	2132	0.036	ug/L	96

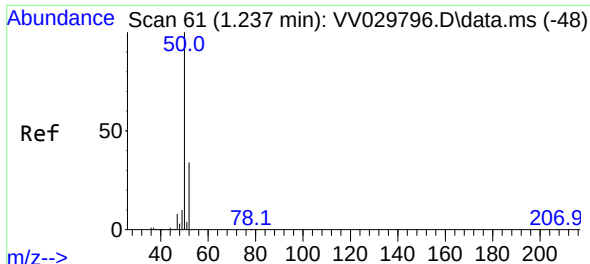
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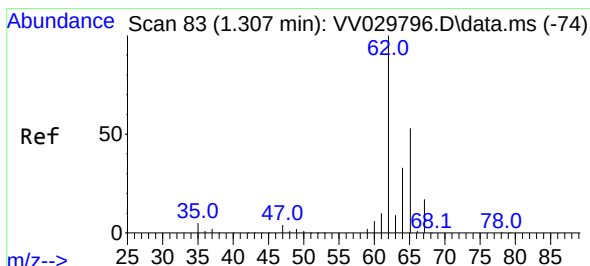
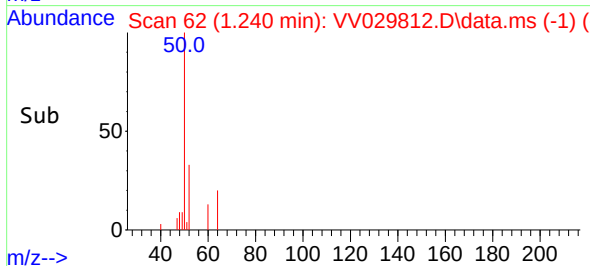
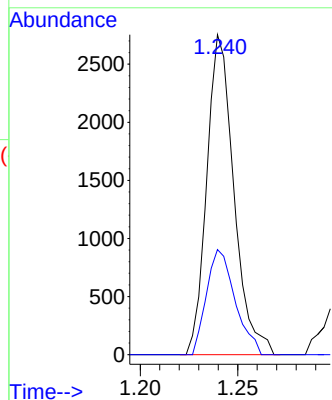
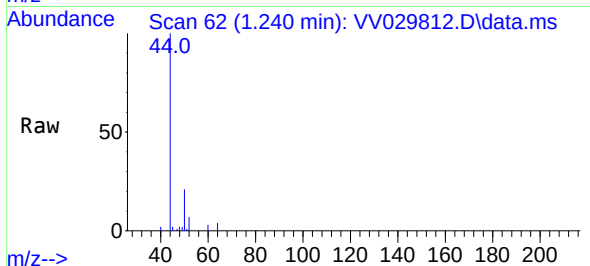




#3
Chloromethane
Concen: 0.129 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

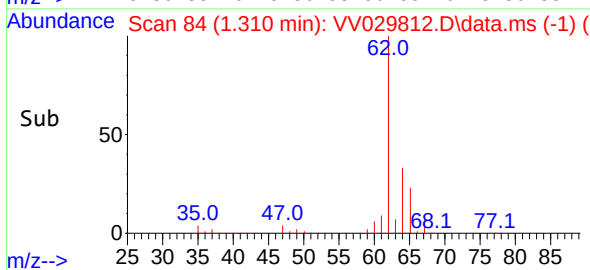
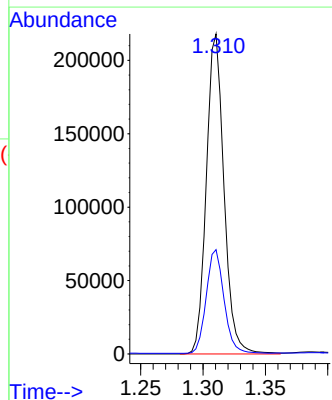
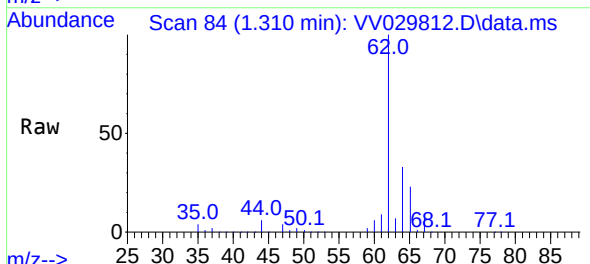
Instrument :
MSVOA_V
ClientSampleId :
BH1W8

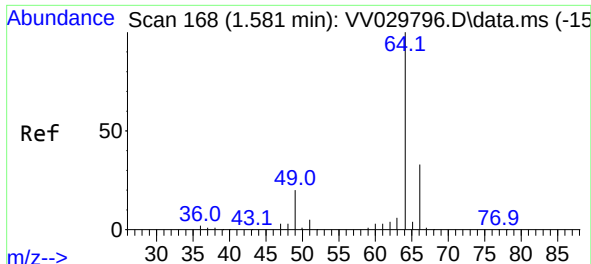
Tgt Ion: 50 Resp: 2663
Ion Ratio Lower Upper
50 100
52 32.8 23.1 42.9



#5
Vinyl chloride
Concen: 10.623 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.006 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion: 62 Resp: 214622
Ion Ratio Lower Upper
62 100
64 32.6 23.2 43.2

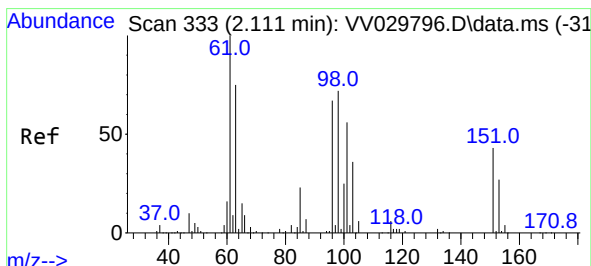
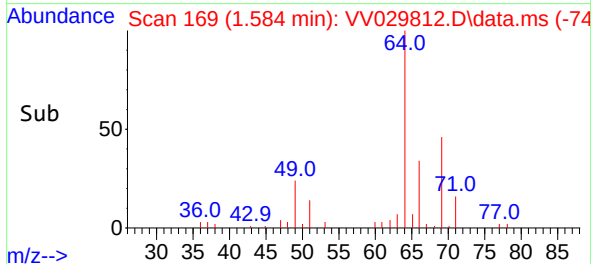
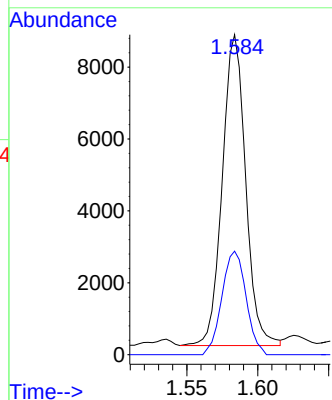
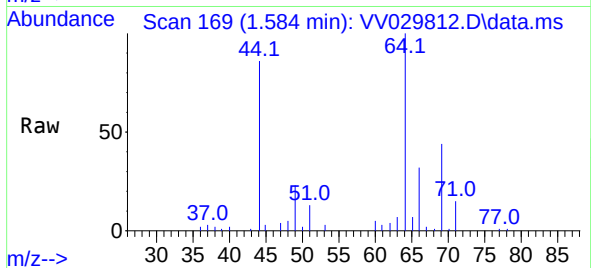




#8
Chloroethane
Concen: 0.810 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

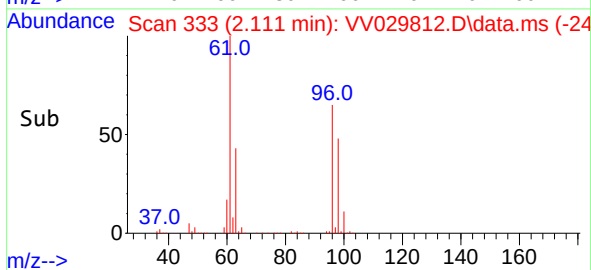
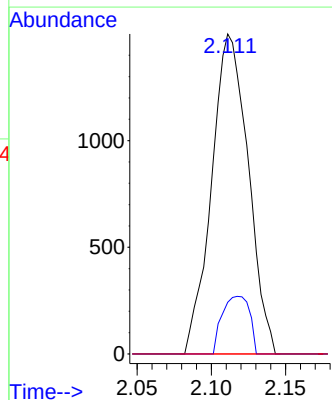
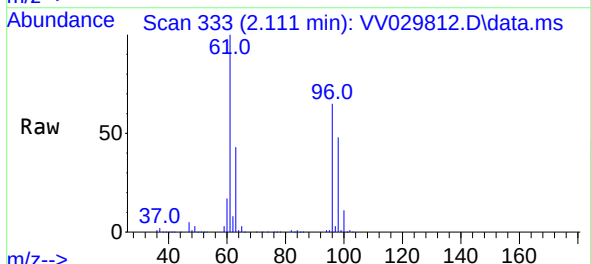
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MSVOA_V
ClientSampleId :
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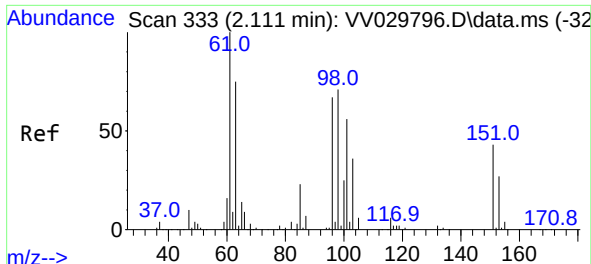
Tgt Ion: 64 Resp: 9926
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.165 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion:101 Resp: 2574
Ion Ratio Lower Upper
101 100
85 13.4 32.9 49.3#
151 0.0 60.9 91.3#





#12

1,1-Dichloroethene

Concen: 35.403 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV029812.D

Acq: 13 Jan 2023 16:41

Instrument :

MSVOA_V

ClientSampleId :

BH1W8

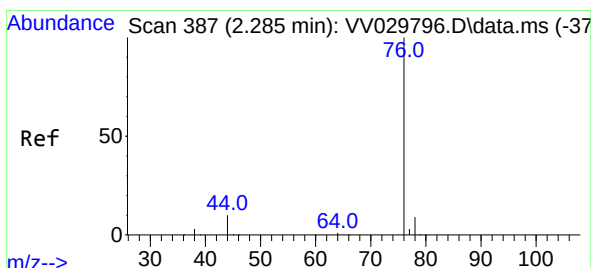
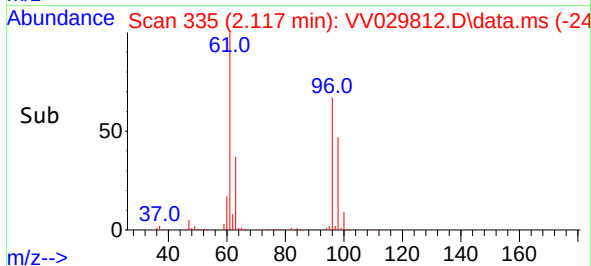
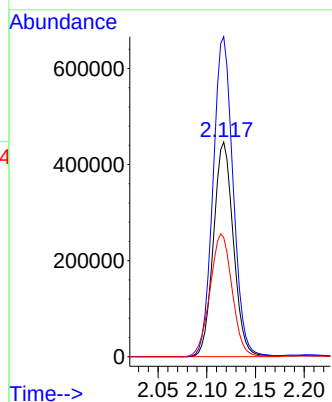
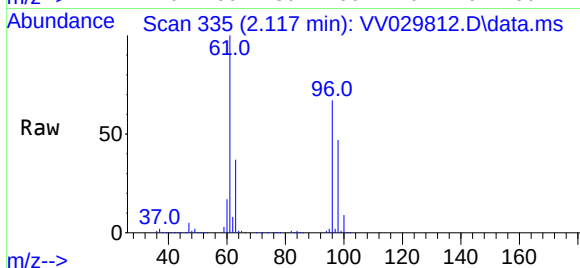
Tgt Ion: 96 Resp: 635901

Ion Ratio Lower Upper

96 100

61 149.0 106.1 197.1

63 55.5 76.4 141.8#



#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.010 min

Lab File: VV029812.D

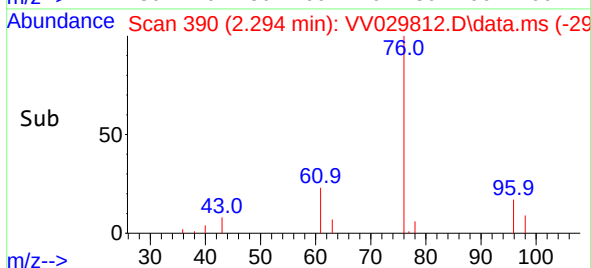
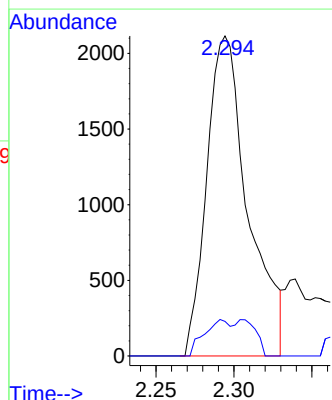
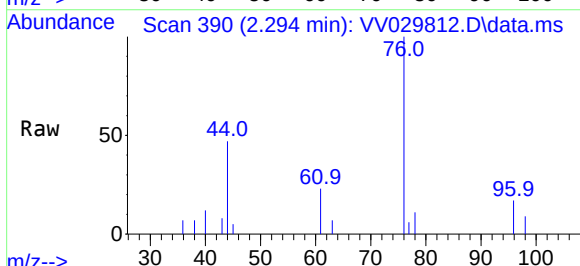
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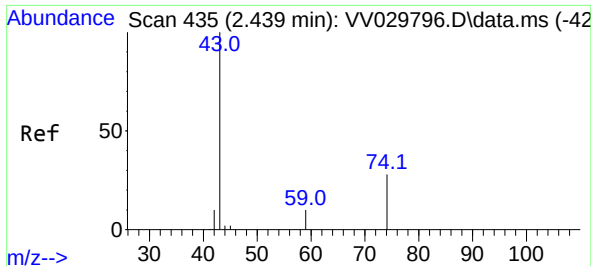
Tgt Ion: 76 Resp: 3899

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0

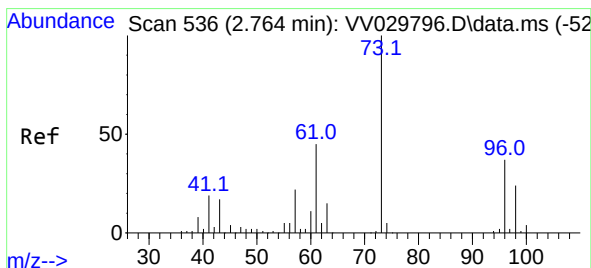
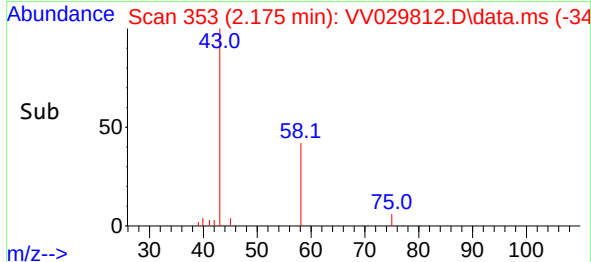
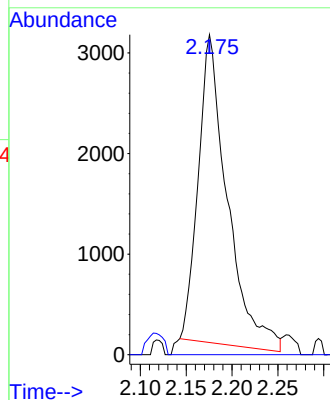
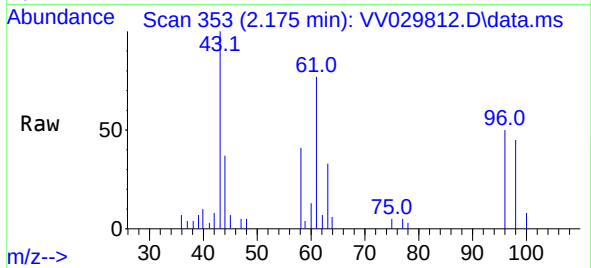




#15
Methyl Acetate
Concen: 1.277 ug/L
RT: 2.175 min Scan# 311
Delta R.T. -0.261 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

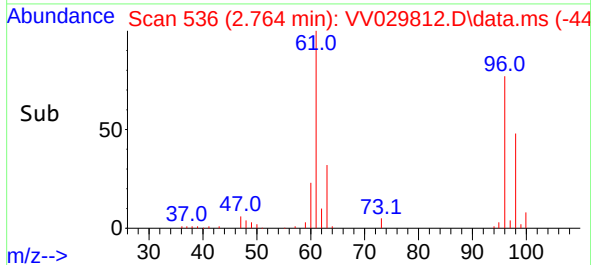
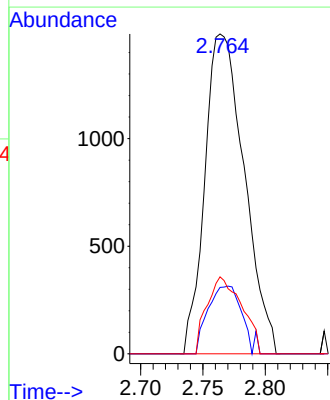
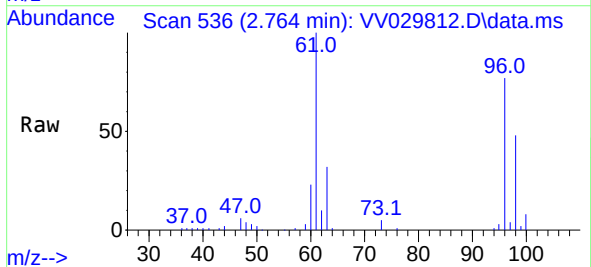
Instrument :
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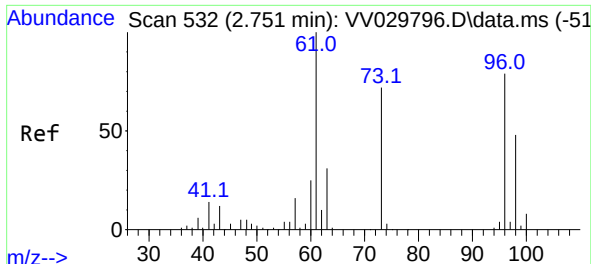
Tgt Ion: 43 Resp: 6711
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#



#17
Methyl tert-butyl Ether
Concen: 0.105 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion: 73 Resp: 3273
Ion Ratio Lower Upper
73 100
43 18.3 13.0 19.4
57 21.4 17.1 25.7

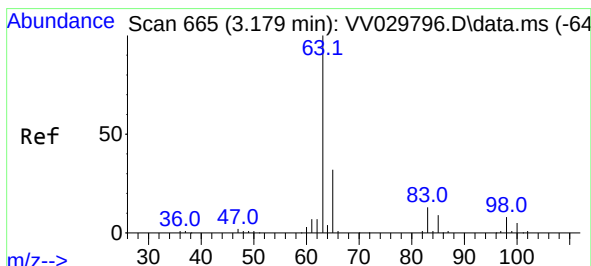
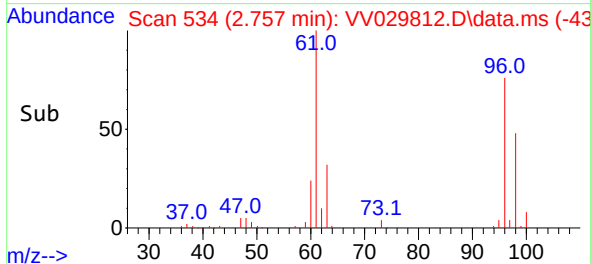
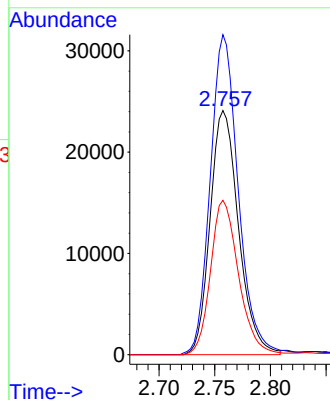
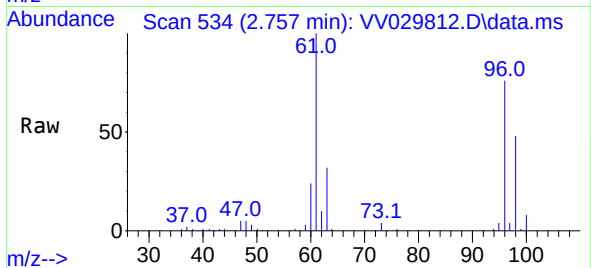




#18
trans-1,2-Dichloroethene
Concen: 2.565 ug/L
RT: 2.757 min Scan# 511
Delta R.T. 0.006 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

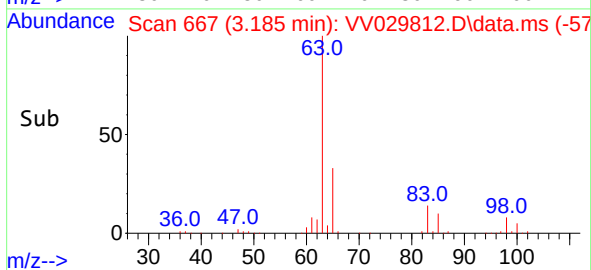
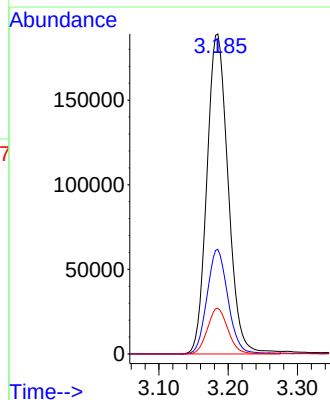
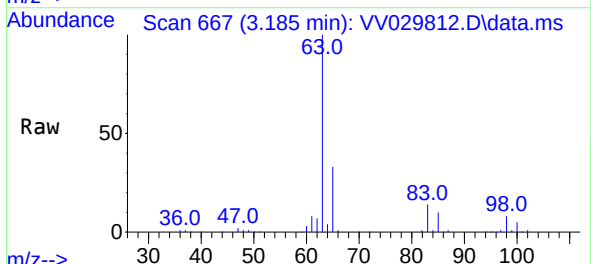
Instrument :
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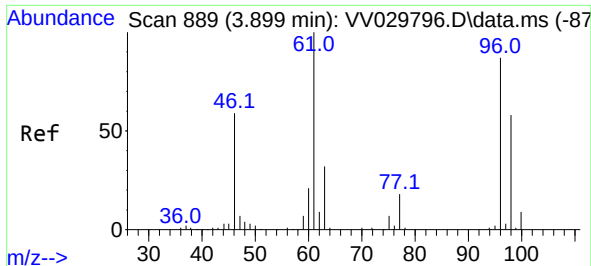
Tgt Ion: 96 Resp: 42825
Ion Ratio Lower Upper
96 100
61 131.1 86.1 159.9
98 63.2 43.9 81.5



#19
1,1-Dichloroethane
Concen: 14.410 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.006 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion: 63 Resp: 402493
Ion Ratio Lower Upper
63 100
65 32.7 22.4 41.6
83 14.3 10.2 19.0



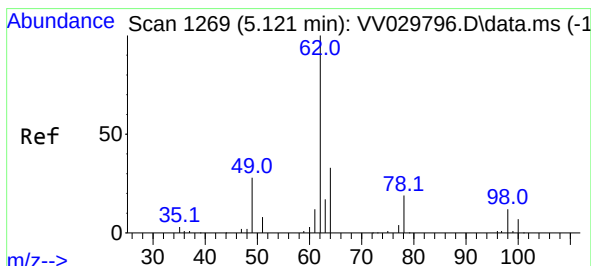
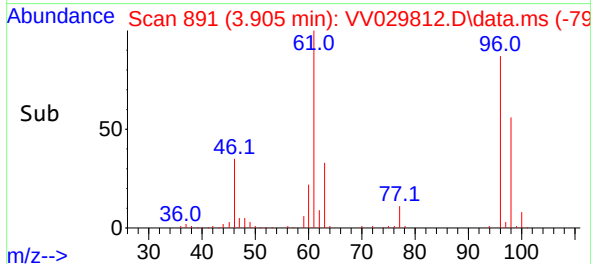
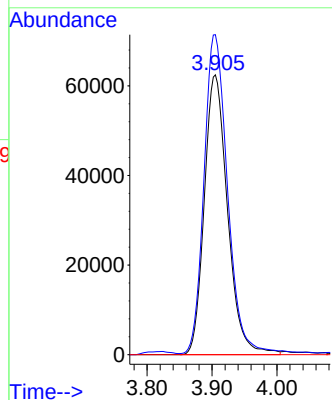
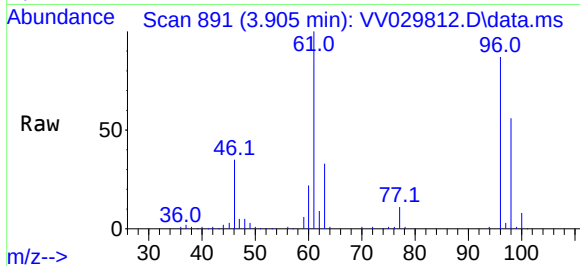


#22
 cis-1,2-Dichloroethene
 Concen: 8.765 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV029812.D
 Acq: 13 Jan 2023 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W8

Tgt Ion: 96 Resp: 155943

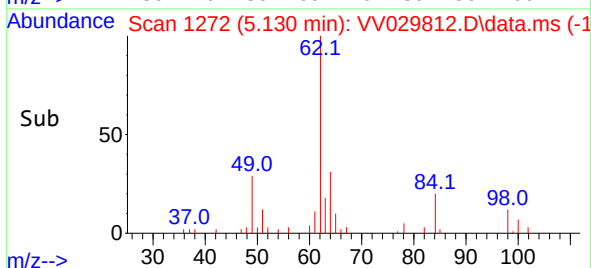
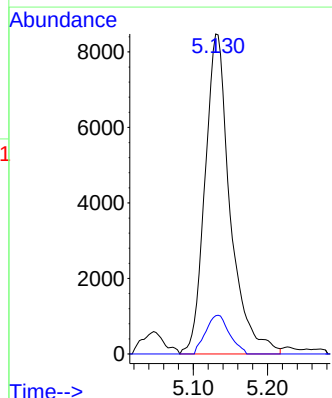
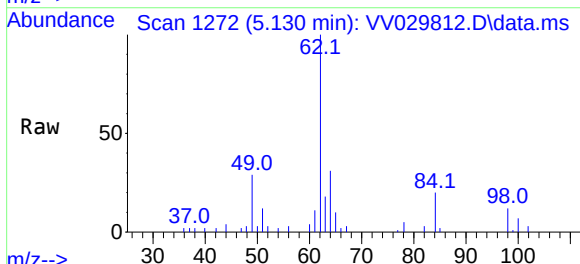
Ion	Ratio	Lower	Upper
96	100		
61	114.3	80.0	148.6
68	0.0	0.0	0.0

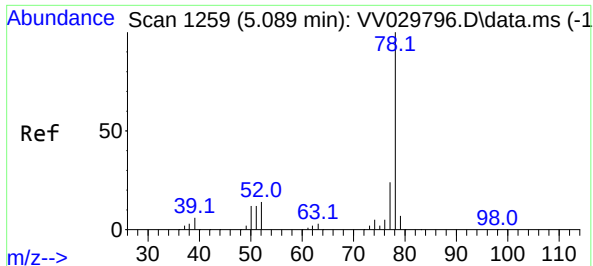


#27
 1,2-Dichloroethane
 Concen: 1.353 ug/L
 RT: 5.130 min Scan# 1272
 Delta R.T. 0.010 min
 Lab File: VV029812.D
 Acq: 13 Jan 2023 16:41

Tgt Ion: 62 Resp: 19962

Ion	Ratio	Lower	Upper
62	100		
98	11.9	8.9	13.3

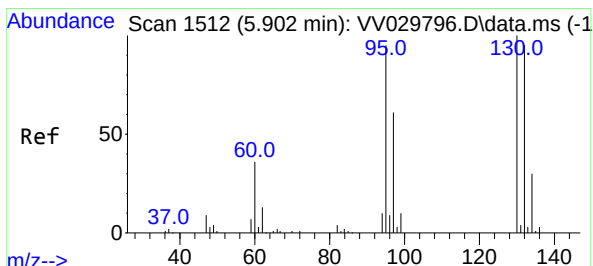
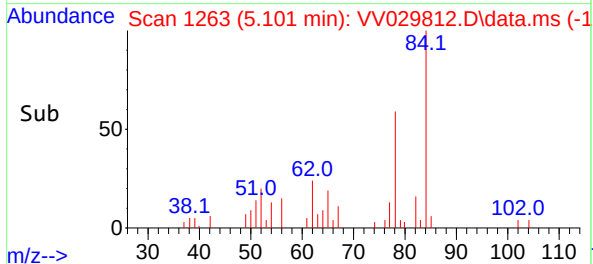
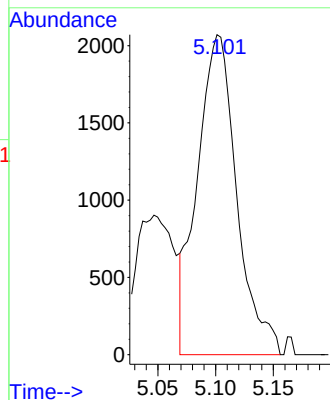
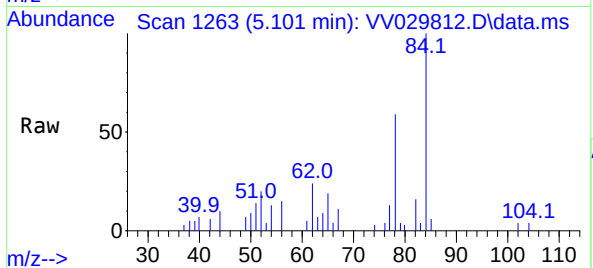




#33
Benzene
Concen: 0.072 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion: 78 Resp: 4909

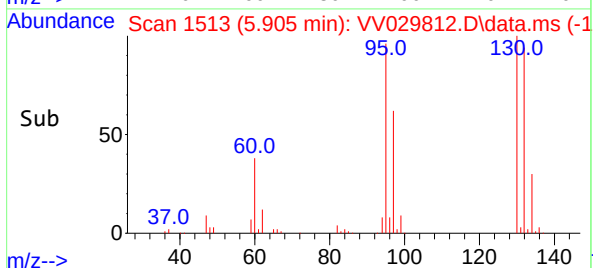
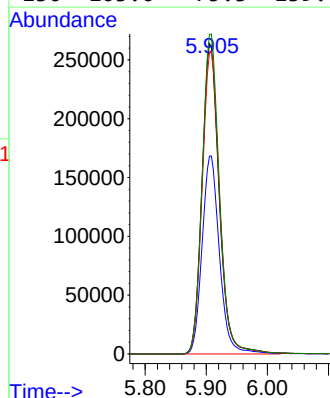
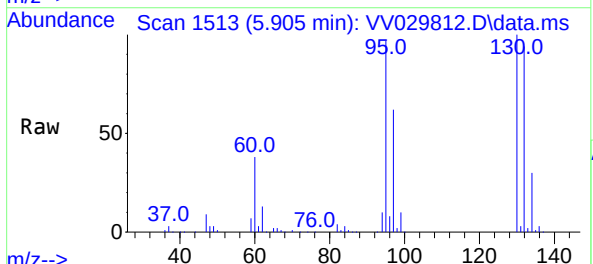
Instrument :
MSVOA_V
ClientSampleId :
BH1W8

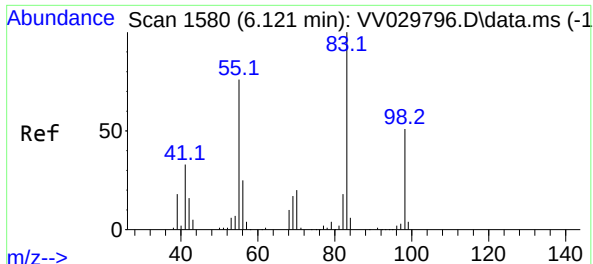


#34
Trichloroethene
Concen: 30.027 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029812.D
Acq: 13 Jan 2023 16:41

Tgt Ion: 95 Resp: 516629

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.3
132	97.0	71.8	133.4
130	103.0	75.3	139.8





#35

Methylcyclohexane

Concen: 0.745 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.055 min

Lab File: VV029812.D

Acq: 13 Jan 2023 16:41

Instrument :

MSVOA_V

ClientSampleId :

BH1W8

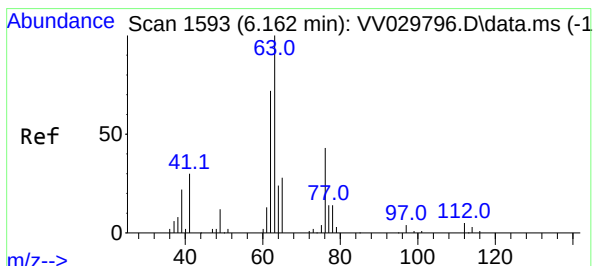
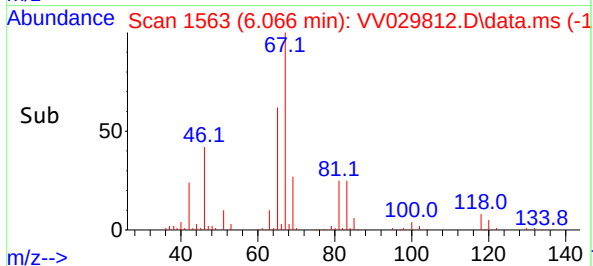
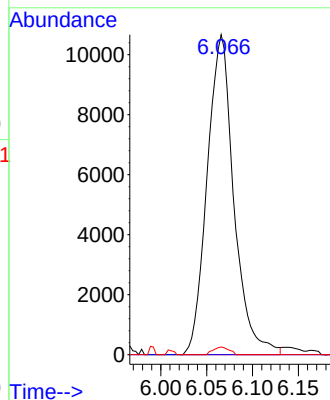
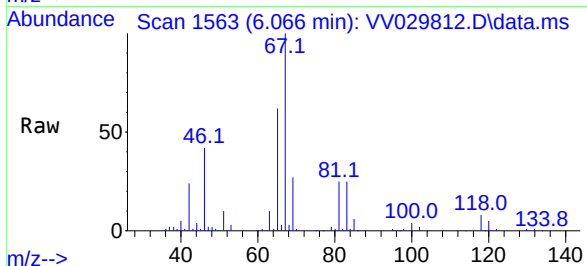
Tgt Ion: 83 Resp: 21629

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 0.0 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.281 ug/L

RT: 6.169 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VV029812.D

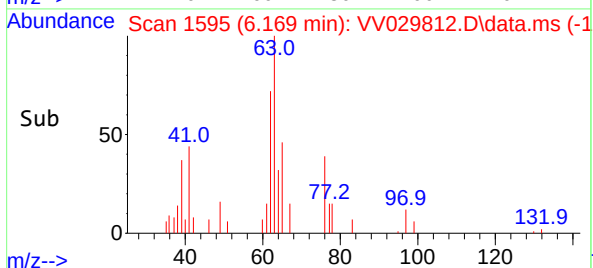
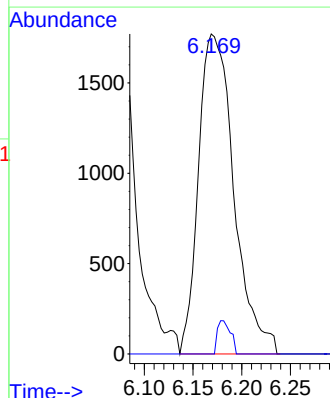
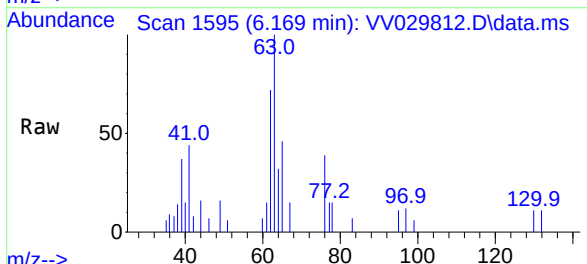
Acq: 13 Jan 2023 16:41

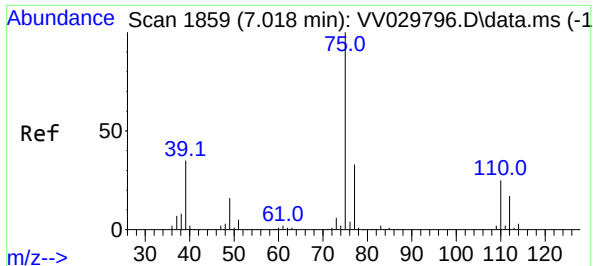
Tgt Ion: 63 Resp: 4472

Ion Ratio Lower Upper

63 100

112 3.8 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV029812.D

Acq: 13 Jan 2023 16:41

Instrument :

MSVOA_V

ClientSampleId :

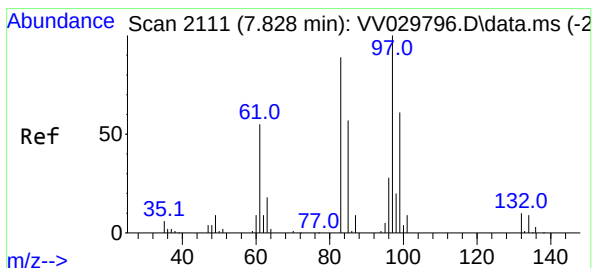
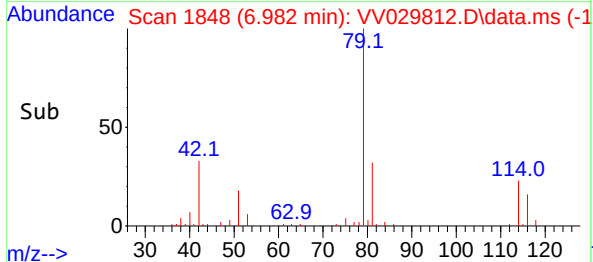
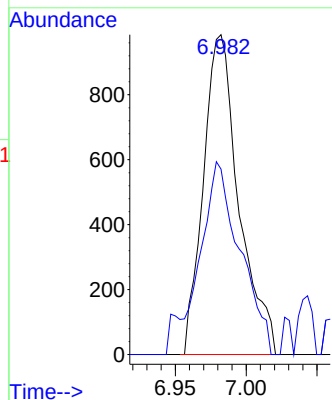
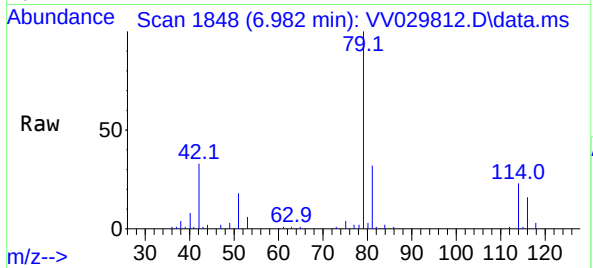
BH1W8

Tgt Ion: 75 Resp: 1717

Ion Ratio Lower Upper

75 100

77 58.0 22.4 41.6#



#45

1,1,2-Trichloroethane

Concen: 0.180 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VV029812.D

Acq: 13 Jan 2023 16:41

Tgt Ion: 97 Resp: 2057

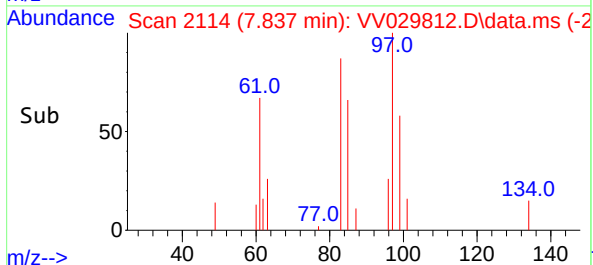
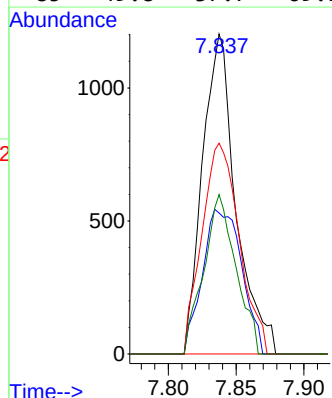
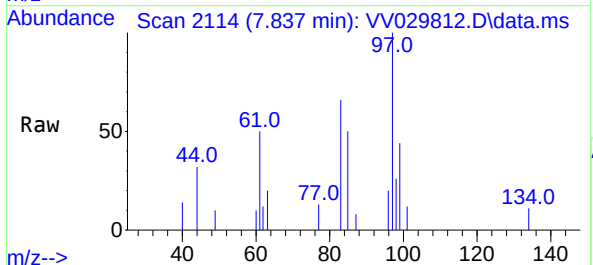
Ion Ratio Lower Upper

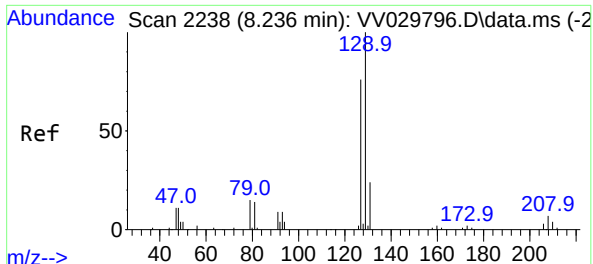
97 100

99 44.1 41.9 77.7

83 65.8 58.7 109.1

85 49.8 37.7 69.9





#49

Dibromochloromethane

Concen: 0.033 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.257 min

Lab File: VV029812.D

Acq: 13 Jan 2023 16:41

Instrument :

MSVOA_V

ClientSampleId :

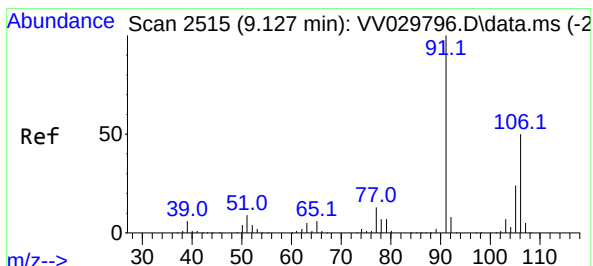
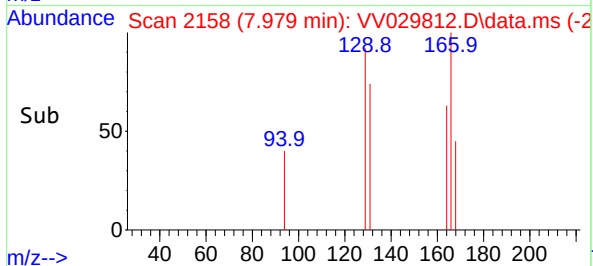
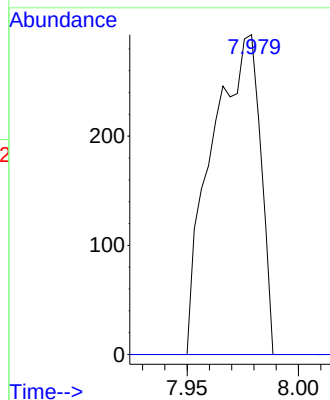
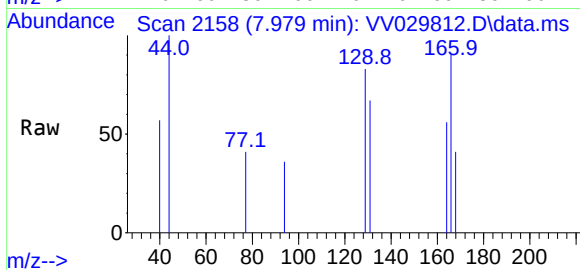
BH1W8

Tgt Ion:129 Resp: 441

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.073 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029812.D

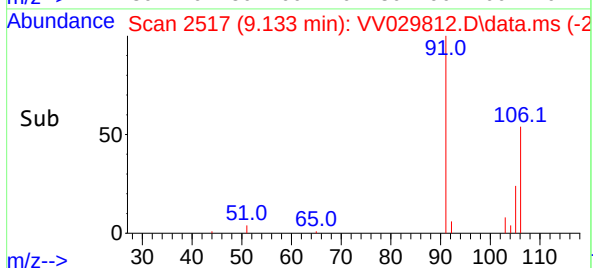
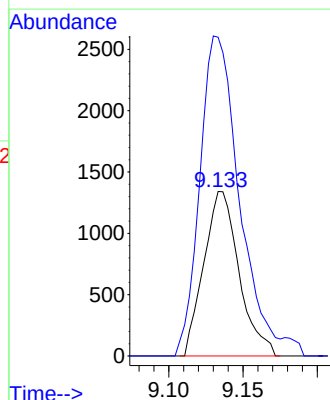
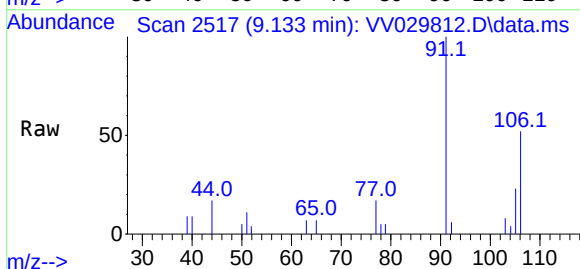
Acq: 13 Jan 2023 16:41

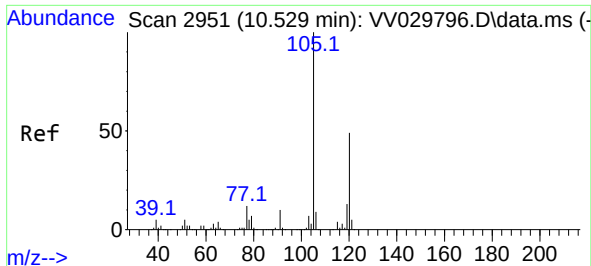
Tgt Ion:106 Resp: 2212

Ion Ratio Lower Upper

106 100

91 193.7 138.7 257.7





#62

1,3,5-Trimethylbenzene

Concen: 0.036 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.373 min

Lab File: VV029812.D

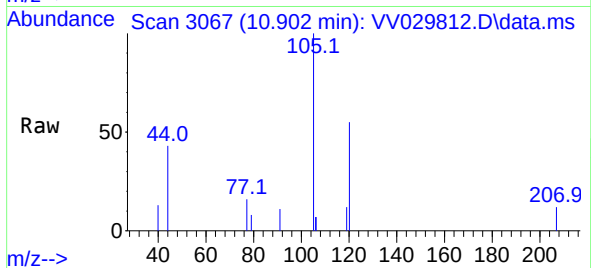
Acq: 13 Jan 2023 16:41

Instrument :

MSVOA_V

ClientSampleId :

BH1W8



Tgt Ion:105 Resp: 2132

Ion Ratio Lower Upper

105 100

120 53.0 40.1 60.1

