

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029807.D
 Acq On : 13 Jan 2023 14:42
 Operator : SY/MD
 Sample : 01136-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1T9

Quant Time: Jan 13 22:51:37 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	5.609	114	198029	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	194777	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	103272	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71486	4.759	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.200%
7) Chloroethane-d5	1.565	69	62854	5.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.111	63	340594	12.439	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	248.800%#
20) 2-Butanone-d5	3.880	46	140522	52.783	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.560%
24) Chloroform-d	4.339	84	139844	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.024	65	63415	5.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.043	84	292250	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.063	67	91499	5.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.200%
41) Toluene-d8	7.307	98	253545	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.616	79	28302	4.583	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.085	63	127542	50.730	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.460%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	67053	5.411	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	100885	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3234	0.167	ug/L	88
5) Vinyl chloride	1.307	62	4973	0.261	ug/L #	64
8) Chloroethane	1.581	64	5690	0.493	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1948	0.133	ug/L #	27
12) 1,1-Dichloroethene	2.114	96	506960	29.981	ug/L #	79
13) Acetone	2.172	43	11708	6.162	ug/L	97
14) Carbon disulfide	2.291	76	18049	0.371	ug/L	100
16) Methylene chloride	2.503	84	9264	0.441	ug/L	96
17) Methyl tert-butyl Ether	2.764	73	20980	0.718	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	4311	0.274	ug/L	96
19) 1,1-Dichloroethane	3.182	63	1377091	52.370	ug/L	99
21) 2-Butanone	3.982	43	11835	4.348	ug/L	87
22) cis-1,2-Dichloroethene	3.902	96	225306	13.452	ug/L	97
27) 1,2-Dichloroethane	5.133	62	6983	0.503	ug/L	99
33) Benzene	5.098	78	9337	0.145	ug/L	100
34) Trichloroethene	5.905	95	1241413	76.067	ug/L	97
35) Methylcyclohexane	6.063	83	22106	0.802	ug/L #	20
37) 1,2-Dichloropropane	6.169	63	2206	0.146	ug/L #	85
47) Tetrachloroethene	7.966	164	1545	0.112	ug/L	89

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

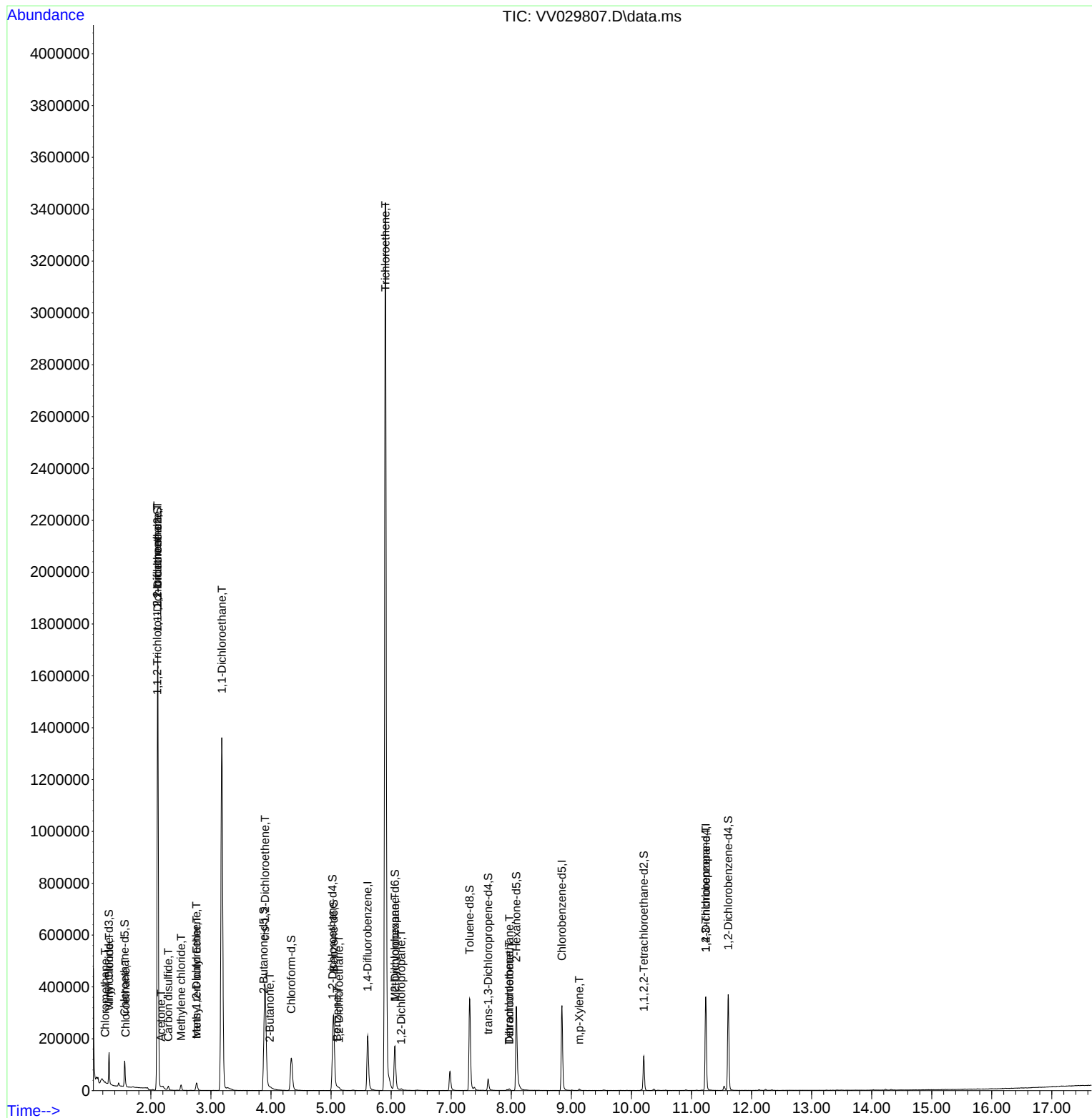
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.969	129	1535	0.120	ug/L #	11
53) m,p-Xylene	9.133	106	1890	0.066	ug/L	99
61) 1,2,3-Trichloropropane	11.239	75	11443	1.496	ug/L #	64

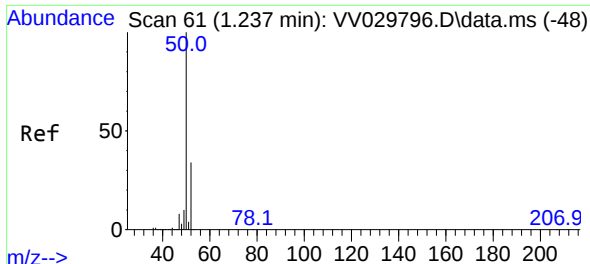
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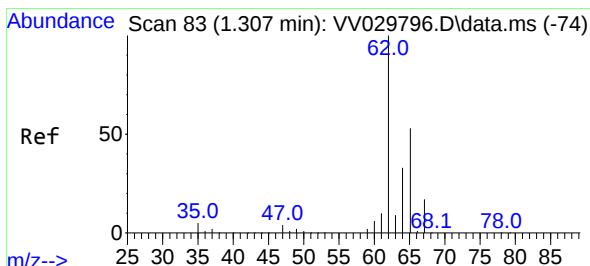
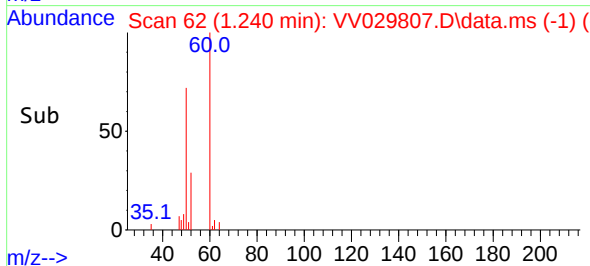
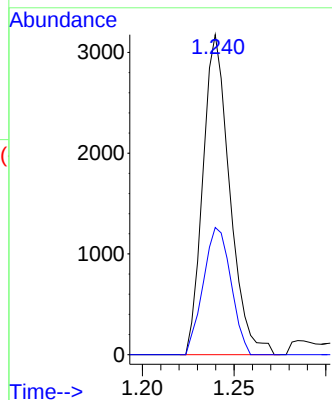
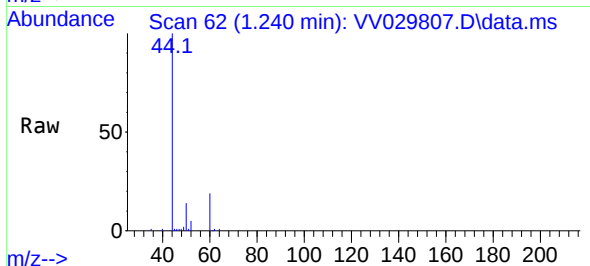




#3
Chloromethane
Concen: 0.167 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

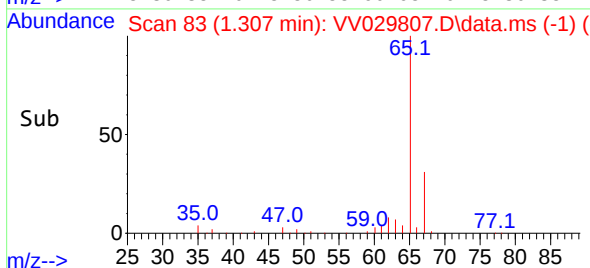
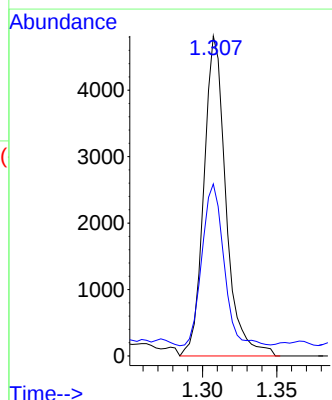
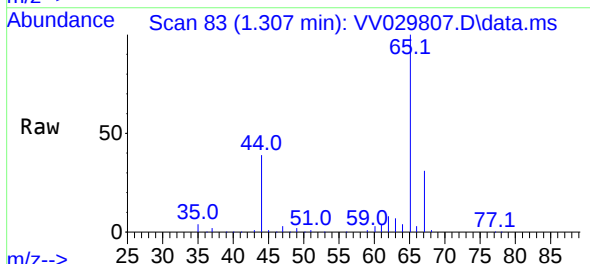
Instrument :
MSVOA_V
ClientSampleId :
BH1T9

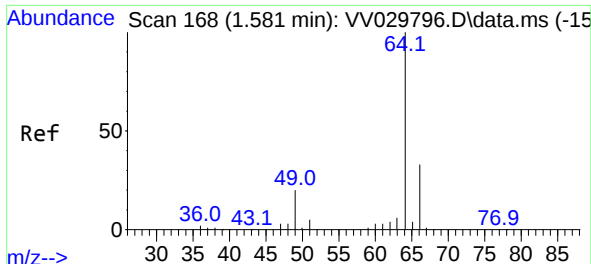
Tgt Ion: 50 Resp: 3234
Ion Ratio Lower Upper
50 100
52 39.7 23.1 42.9



#5
Vinyl chloride
Concen: 0.261 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 62 Resp: 4973
Ion Ratio Lower Upper
62 100
64 53.7 23.2 43.2#

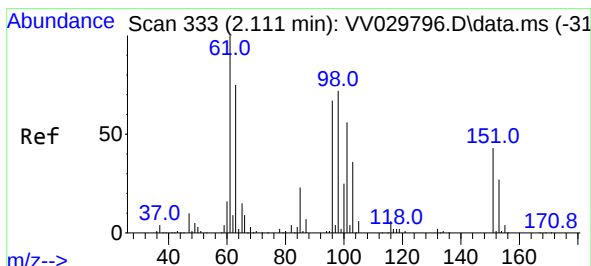
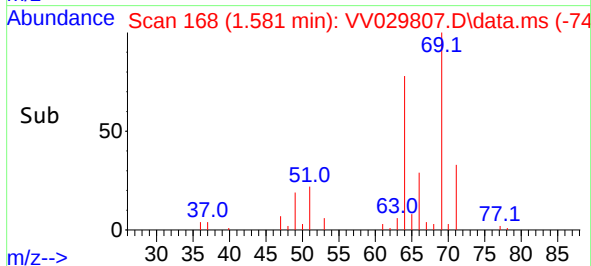
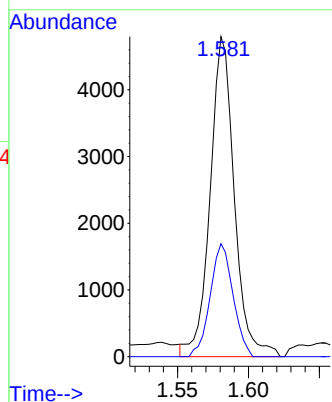
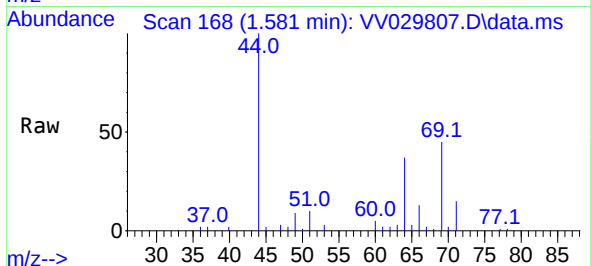




#8
Chloroethane
Concen: 0.493 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

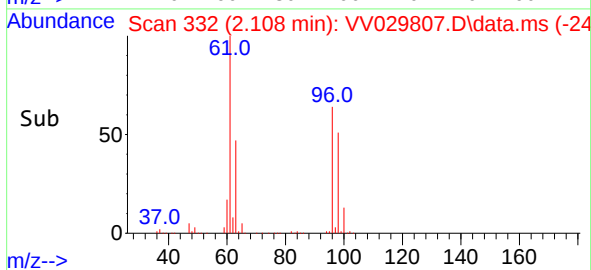
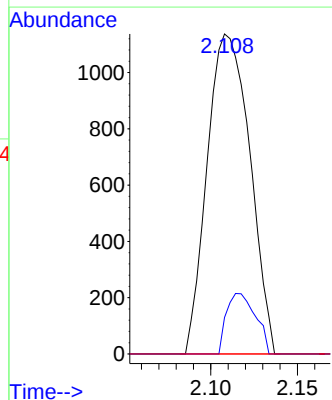
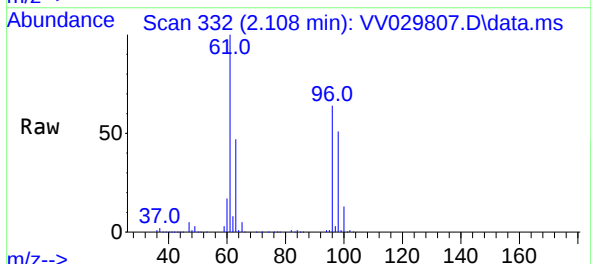
Instrument :
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ClientSampleId :
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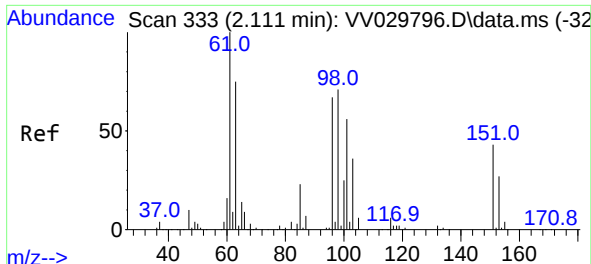
Tgt Ion: 64 Resp: 5690
Ion Ratio Lower Upper
64 100
66 35.3 22.9 42.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.133 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion:101 Resp: 1948
Ion Ratio Lower Upper
101 100
85 12.9 32.9 49.3#
151 0.0 60.9 91.3#

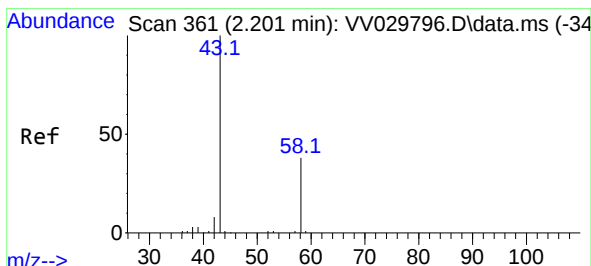
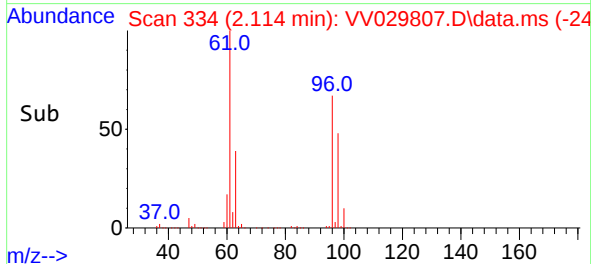
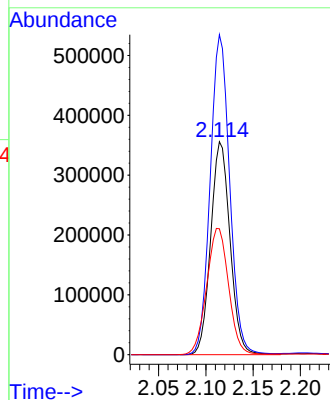
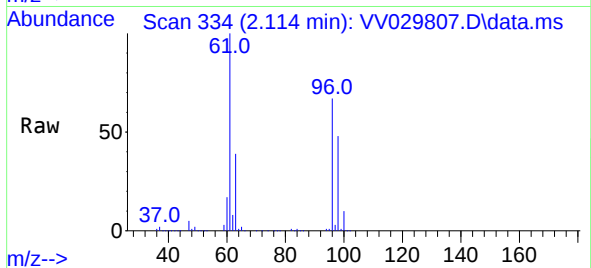




#12
1,1-Dichloroethene
Concen: 29.981 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

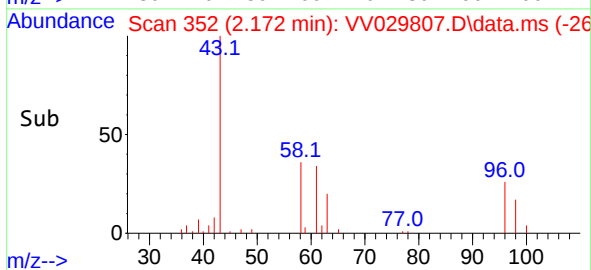
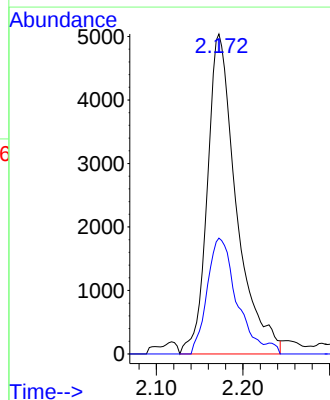
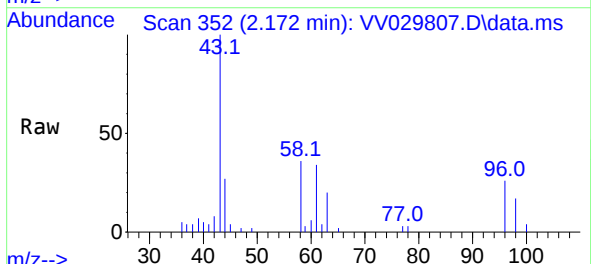
Instrument :
MSVOA_V
ClientSampleId :
BH1T9

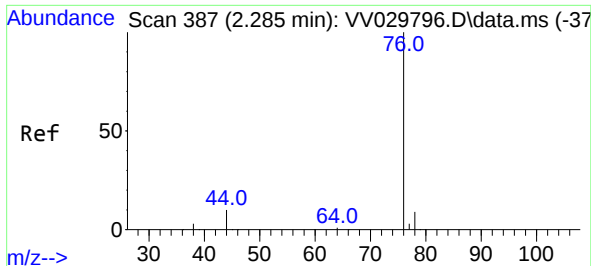
Tgt Ion: 96 Resp: 506960
Ion Ratio Lower Upper
96 100
61 150.2 106.1 197.1
63 59.1 76.4 141.8#



#13
Acetone
Concen: 6.162 ug/L
RT: 2.172 min Scan# 352
Delta R.T. -0.026 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 43 Resp: 11708
Ion Ratio Lower Upper
43 100
58 36.2 0.0 68.8

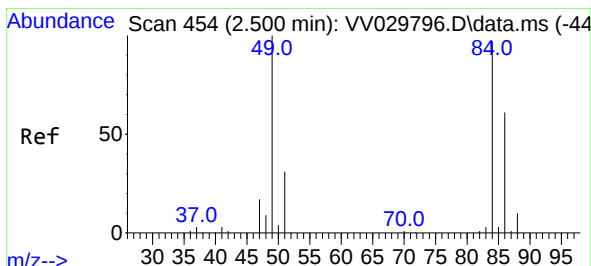
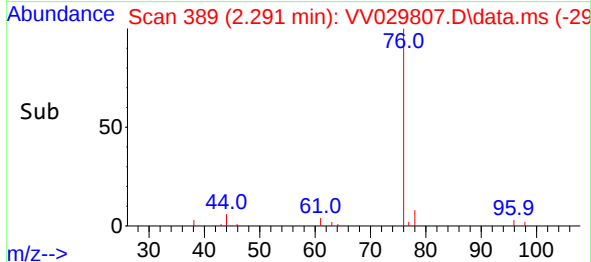
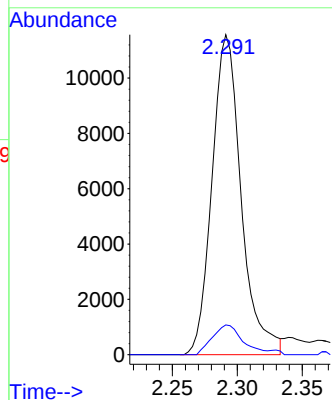
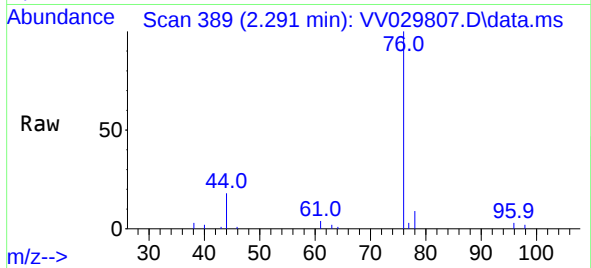




#14
Carbon disulfide
Concen: 0.371 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

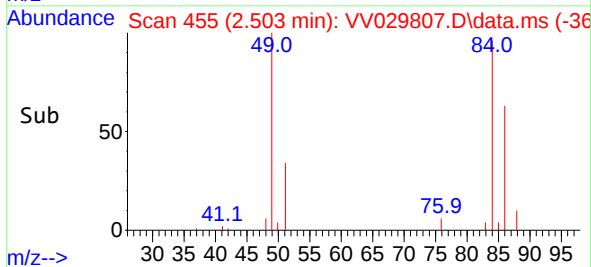
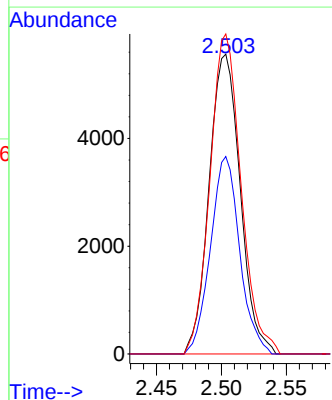
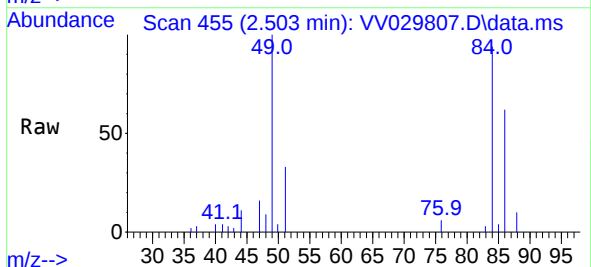
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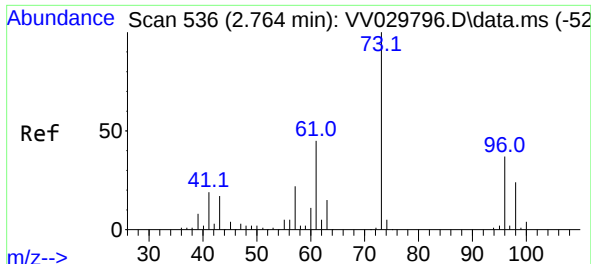
Tgt Ion: 76 Resp: 18049
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#16
Methylene chloride
Concen: 0.441 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

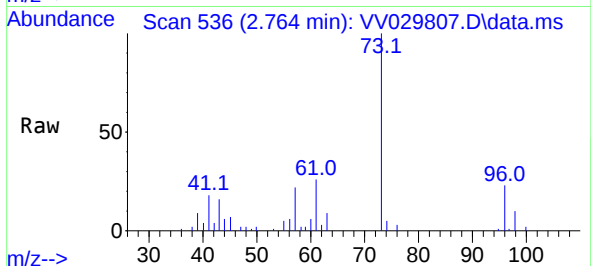
Tgt Ion: 84 Resp: 9264
Ion Ratio Lower Upper
84 100
86 65.8 45.0 83.6
49 106.7 71.5 132.7



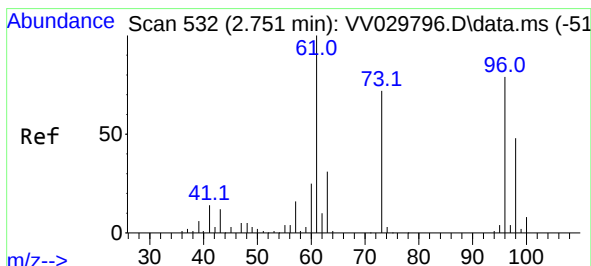
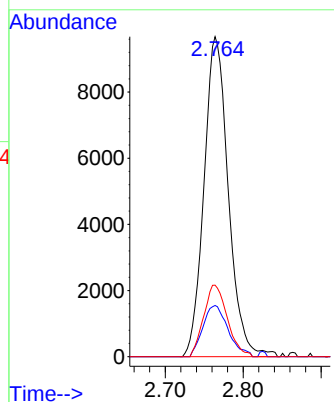


#17
Methyl tert-butyl Ether
Concen: 0.718 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029807.D
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Instrument :
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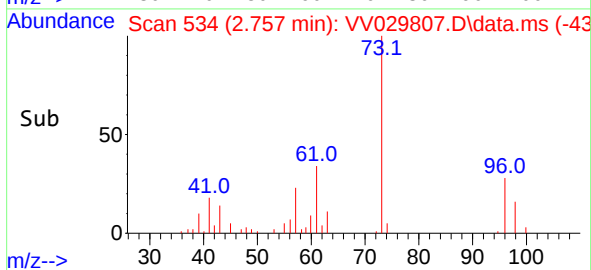
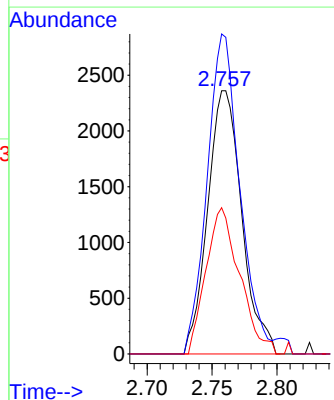
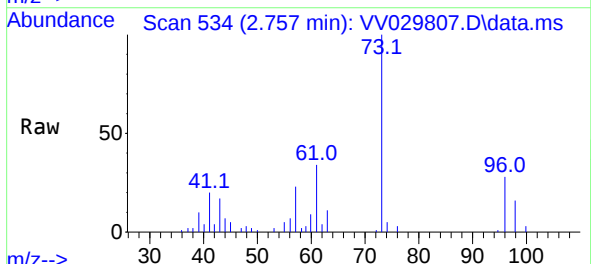


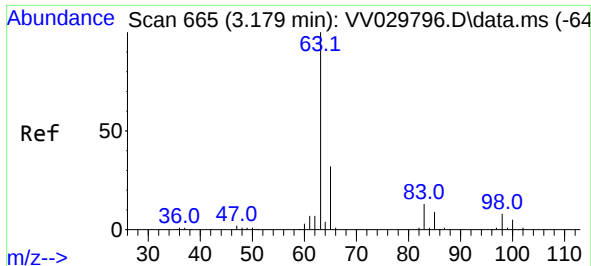
Tgt Ion: 73	Resp: 20980
Ion Ratio	Lower Upper
73 100	
43 16.7	13.0 19.4
57 21.7	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 96	Resp: 4311
Ion Ratio	Lower Upper
96 100	
61 121.6	86.1 159.9
98 55.5	43.9 81.5





#19

1,1-Dichloroethane

Concen: 52.370 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Instrument :

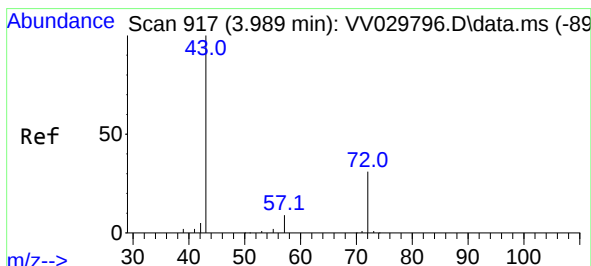
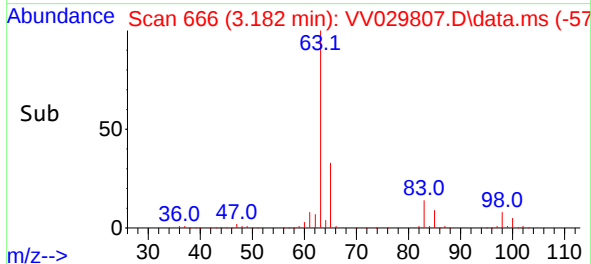
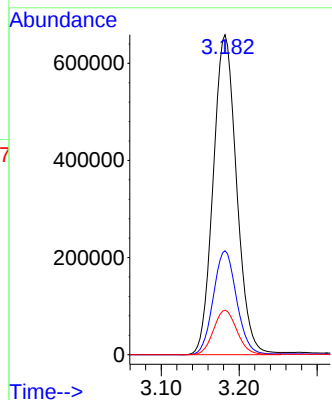
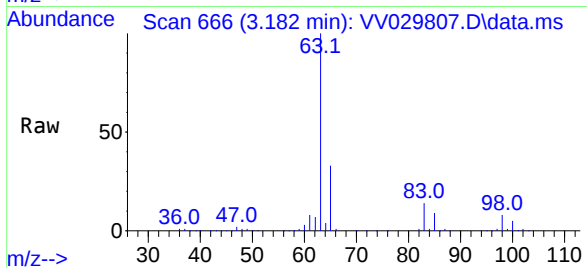
MSVOA_V

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Tgt Ion: 63 Resp: 1377091

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.4	41.6
83	13.9	10.2	19.0



#21

2-Butanone

Concen: 4.348 ug/L

RT: 3.982 min Scan# 915

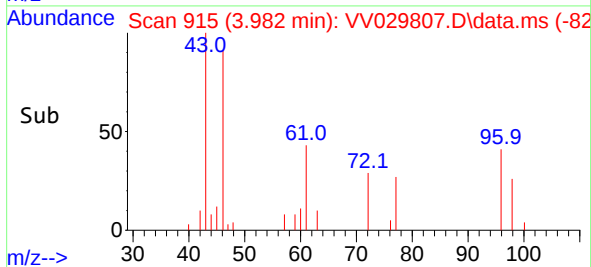
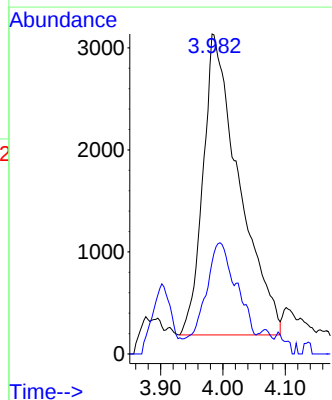
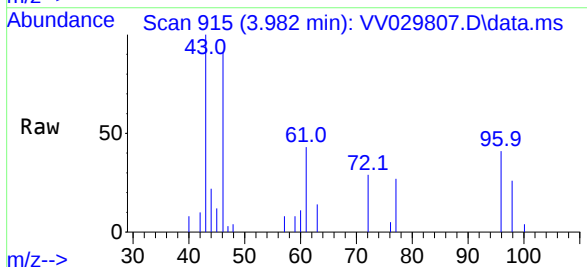
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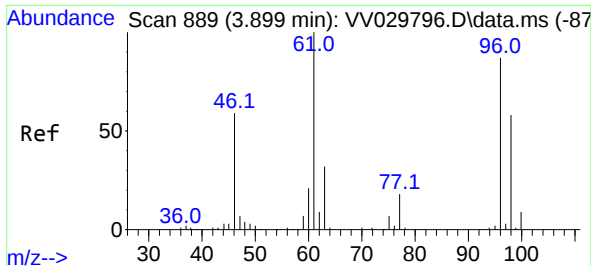
Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Tgt Ion: 43 Resp: 11835

Ion	Ratio	Lower	Upper
43	100		
72	34.4	13.9	41.6

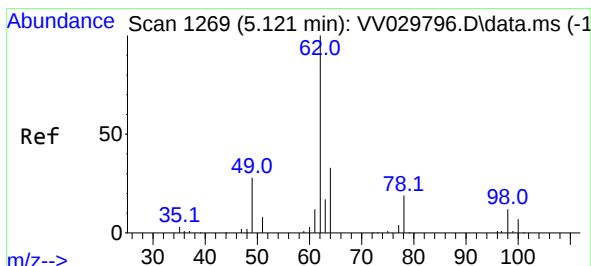
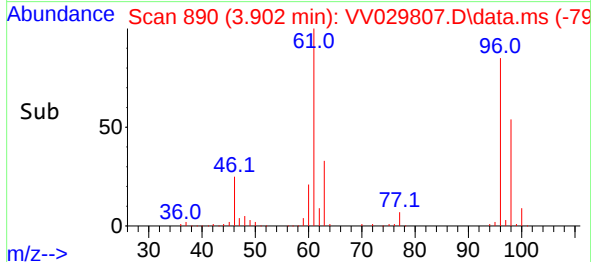
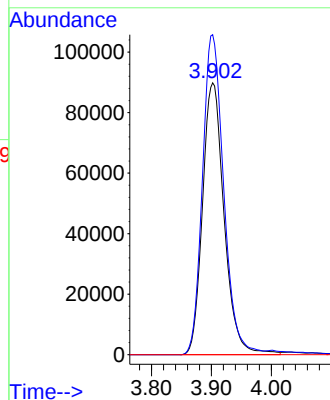
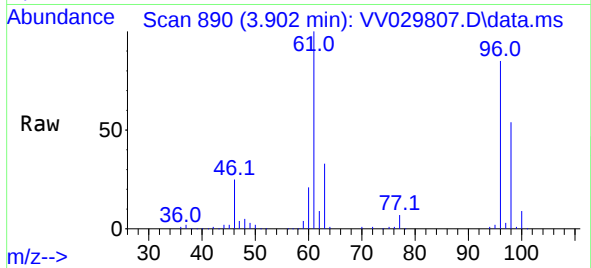




#22
 cis-1,2-Dichloroethene
 Concen: 13.452 ug/L
 RT: 3.902 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VV029807.D
 Acq: 13 Jan 2023 14:42

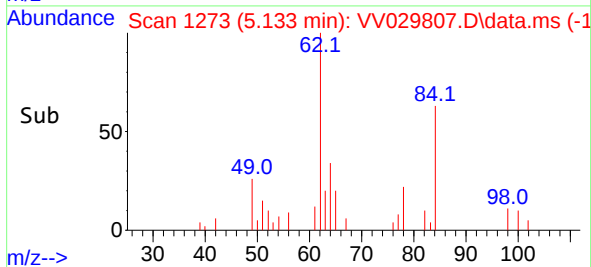
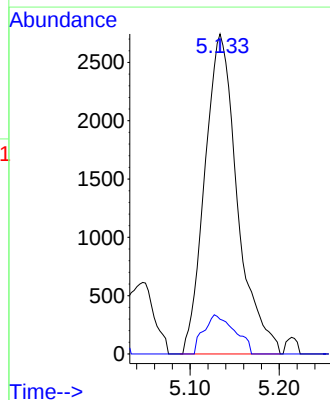
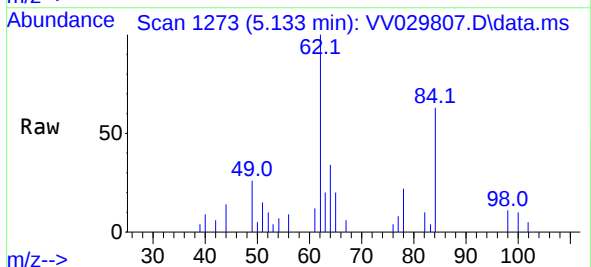
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1T9

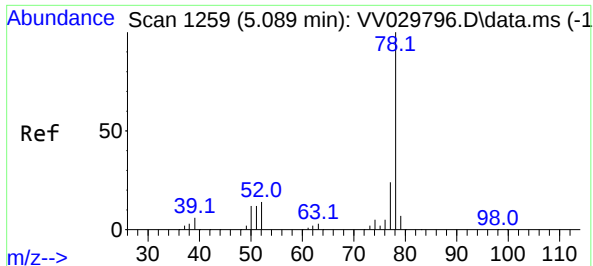
Tgt Ion: 96 Resp: 225306
 Ion Ratio Lower Upper
 96 100
 61 117.7 80.0 148.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.503 ug/L
 RT: 5.133 min Scan# 1273
 Delta R.T. 0.013 min
 Lab File: VV029807.D
 Acq: 13 Jan 2023 14:42

Tgt Ion: 62 Resp: 6983
 Ion Ratio Lower Upper
 62 100
 98 10.9 8.9 13.3

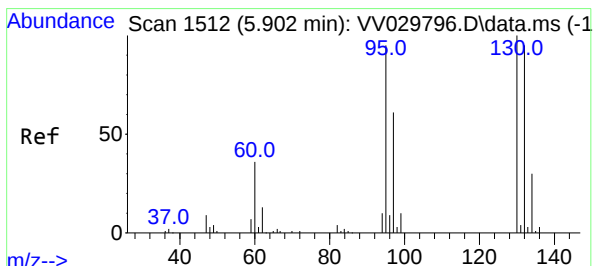
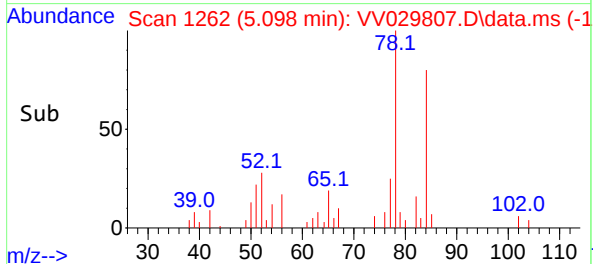
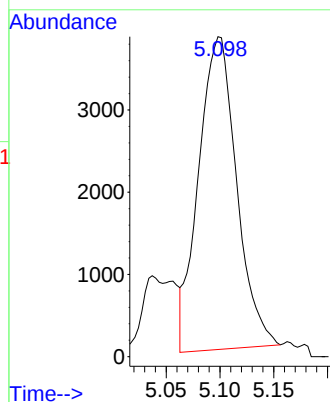
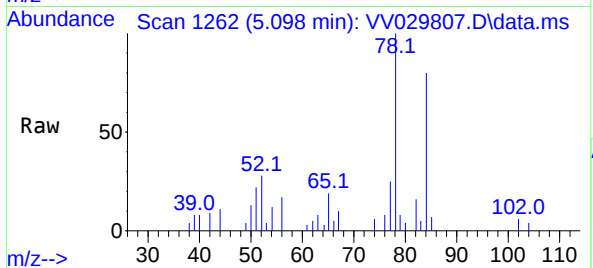




#33
Benzene
Concen: 0.145 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Instrument : MSVOA_V
ClientSampleId : BH1T9

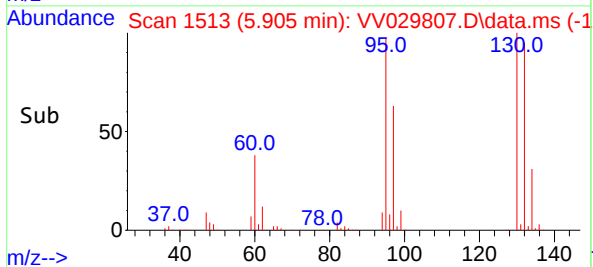
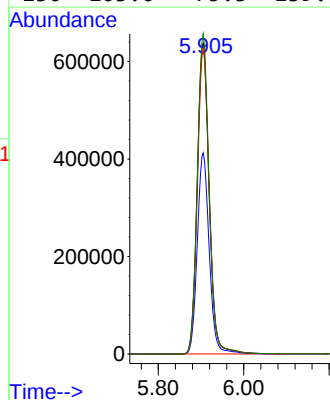
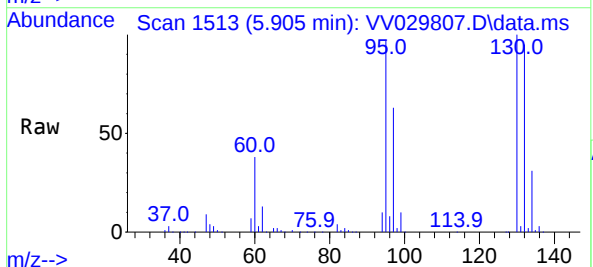
Tgt Ion: 78 Resp: 9337

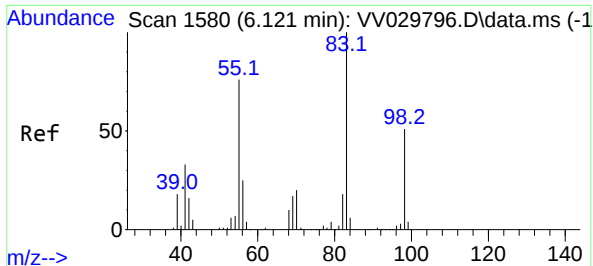


#34
Trichloroethene
Concen: 76.067 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 95 Resp: 1241413

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.3
132	98.3	71.8	133.4
130	103.0	75.3	139.8

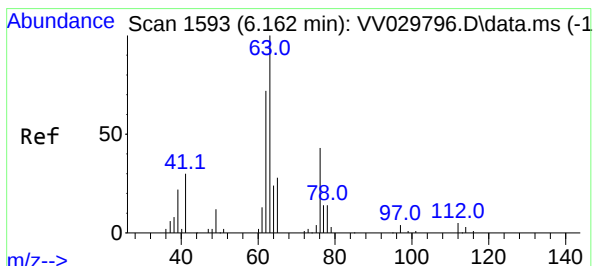
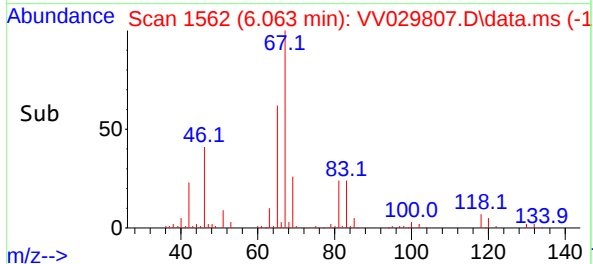
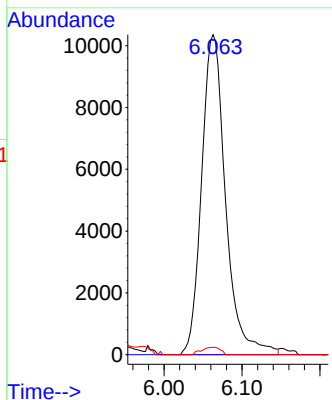
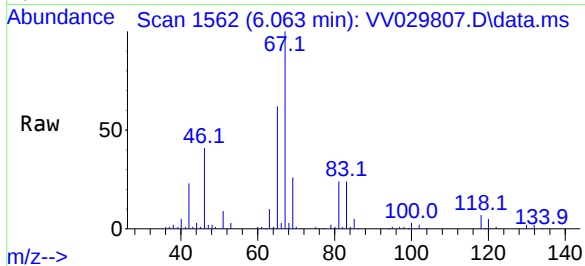




#35
Methylcyclohexane
Concen: 0.802 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

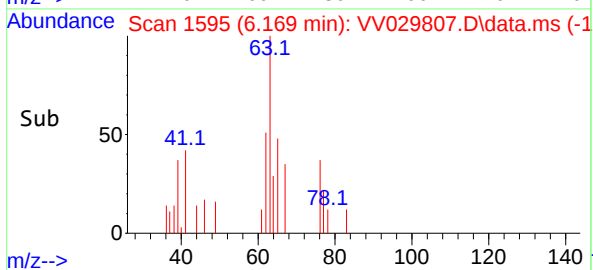
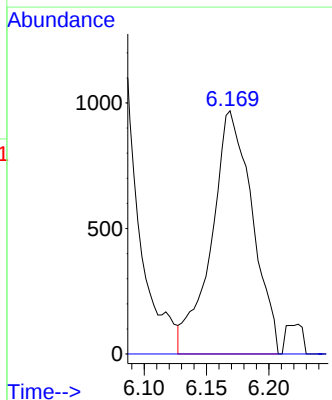
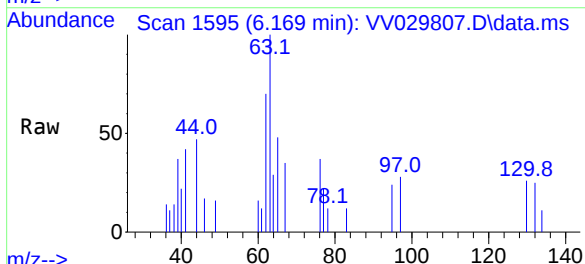
Instrument :
MSVOA_V
ClientSampleId :
BH1T9

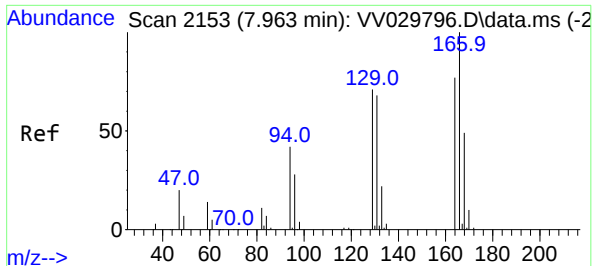
Tgt Ion: 83 Resp: 22106
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.146 ug/L
RT: 6.169 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 63 Resp: 2206
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#47

Tetrachloroethene

Concen: 0.112 ug/L

RT: 7.966 min Scan# 2153

Delta R.T. -0.000 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Instrument :

MSVOA_V

ClientSampleId :

BH1T9

Tgt Ion:164 Resp: 1545

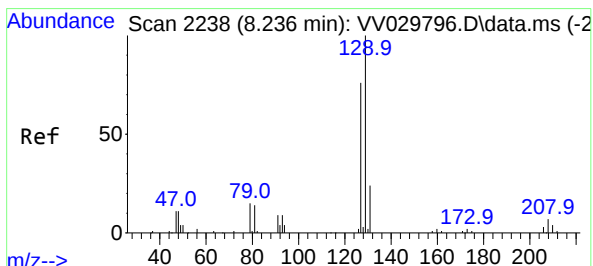
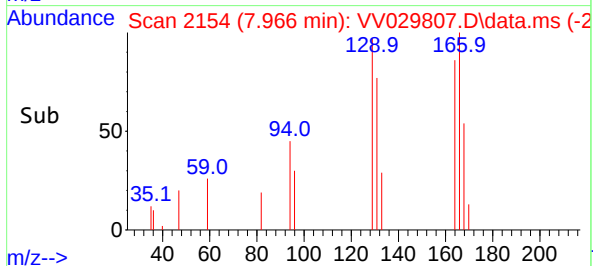
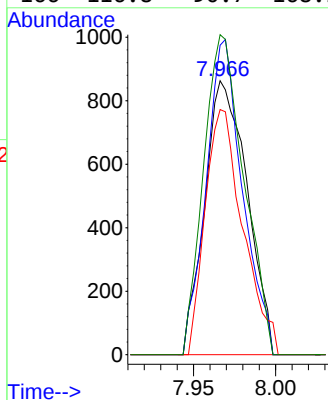
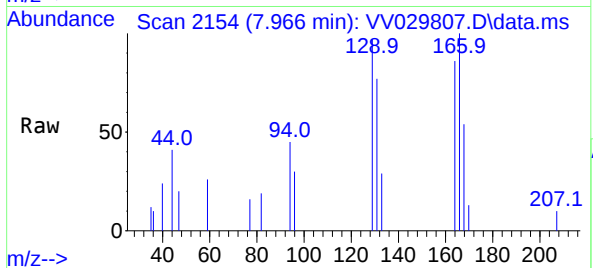
Ion Ratio Lower Upper

164 100

129 113.0 64.5 119.7

131 89.5 62.9 116.7

166 116.8 90.7 168.5



#49

Dibromochloromethane

Concen: 0.120 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029807.D

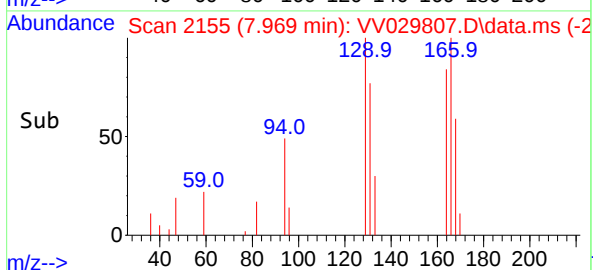
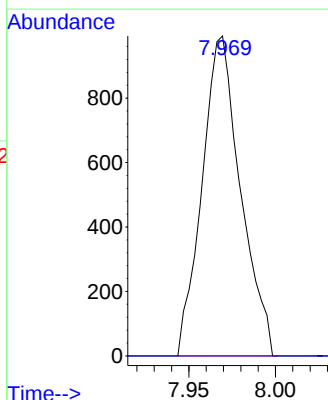
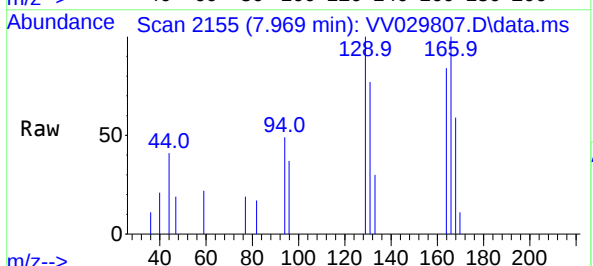
Acq: 13 Jan 2023 14:42

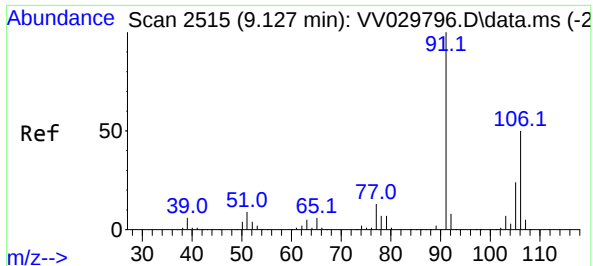
Tgt Ion:129 Resp: 1535

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

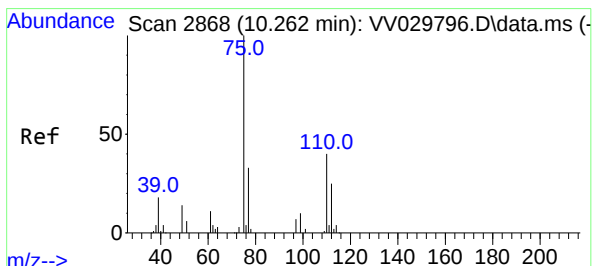
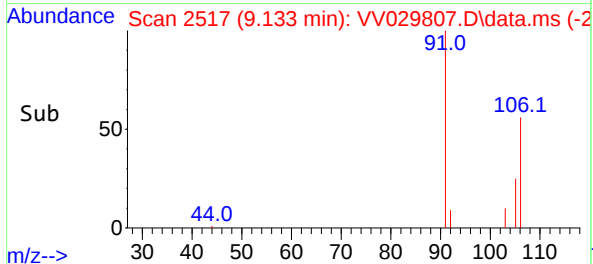
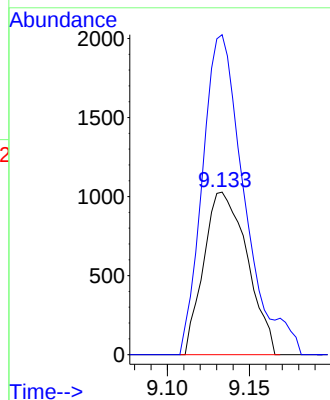
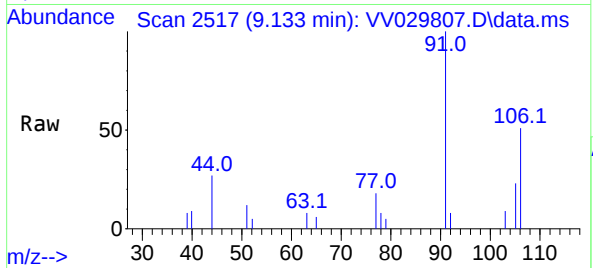




#53
m,p-Xylene
Concen: 0.066 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Instrument :
MSVOA_V
ClientSampleId :
BH1T9

Tgt Ion:106 Resp: 1890
Ion Ratio Lower Upper
106 100
91 196.9 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.496 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.977 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 75 Resp: 11443
Ion Ratio Lower Upper
75 100
77 36.4 26.5 39.7
110 2.0 31.8 47.8#

