

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029804.D
 Acq On : 13 Jan 2023 13:30
 Operator : SY/MD
 Sample : 01136-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W3

Quant Time: Jan 13 22:51:14 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	217970	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	213724	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	112220	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	76707	4.640	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.565	69	66705	4.867	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.105	63	101164	3.357	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.880	46	138767	47.356	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.720%
24) Chloroform-d	4.339	84	141851	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.024	65	64735	5.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.044	84	305783	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.063	67	94801	5.109	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.307	98	268711	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.616	79	29913	4.414	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.085	63	130930	47.460	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.920%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	67409	4.958	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	102060	5.002	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1216	0.057	ug/L	89
5) Vinyl chloride	1.307	62	15540	0.742	ug/L	88
12) 1,1-Dichloroethene	2.114	96	4473	0.240	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	3308	0.103	ug/L #	95
18) trans-1,2-Dichloroethene	2.754	96	657	0.038	ug/L	98
19) 1,1-Dichloroethane	3.185	63	24606	0.850	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	12509	0.679	ug/L	87
29) 1,1,1-Trichloroethane	4.600	97	6712	0.242	ug/L	98
31) Carbon tetrachloride	4.600	117	890	0.037	ug/L	83
34) Trichloroethene	5.908	95	89046	4.973	ug/L	96
35) Methylcyclohexane	6.063	83	21968	0.727	ug/L #	20
37) 1,2-Dichloropropane	6.060	63	9370	0.566	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	2046	0.092	ug/L #	53
44) trans-1,3-Dichloropropene	7.613	75	1415	0.079	ug/L	83
47) Tetrachloroethene	7.969	164	8468	0.562	ug/L	97
49) Dibromochloromethane	7.969	129	7615	0.544	ug/L #	11
53) m,p-Xylene	9.137	106	2038	0.065	ug/L	81
61) 1,2,3-Trichloropropane	11.236	75	12386	1.491	ug/L #	66

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

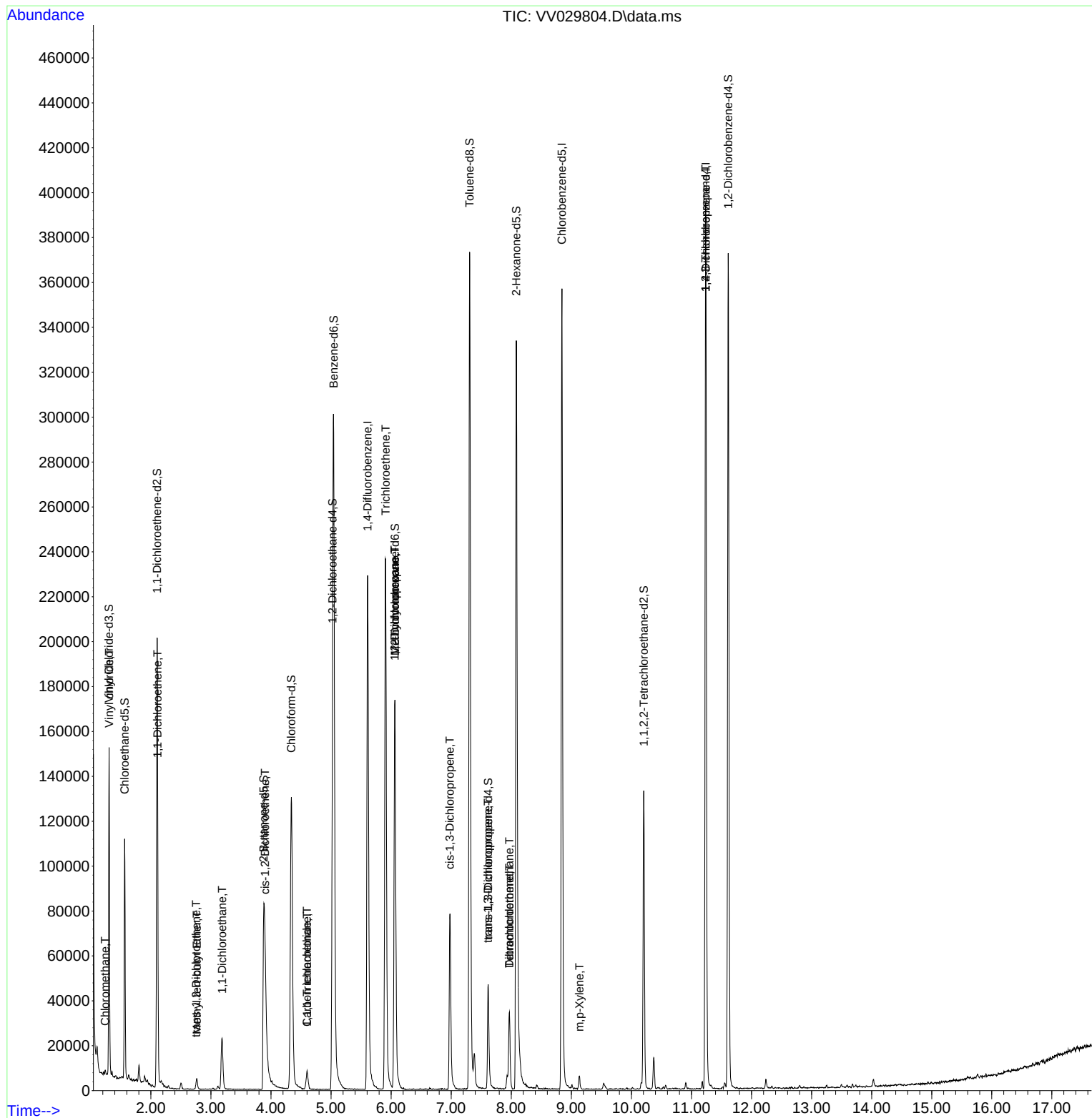
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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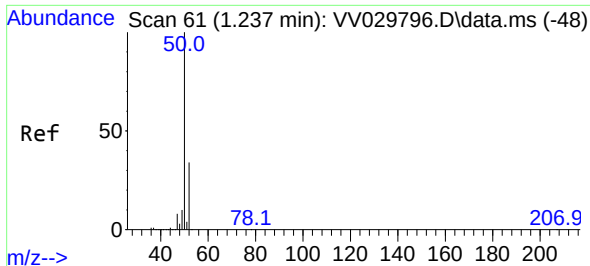
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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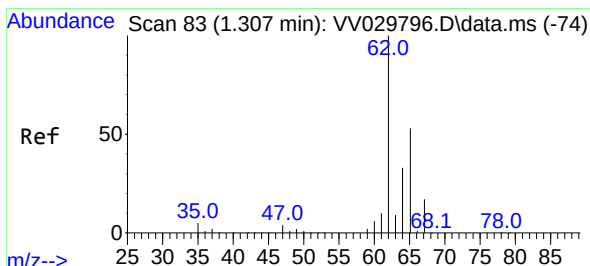
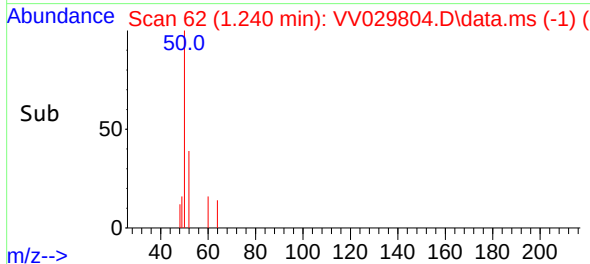
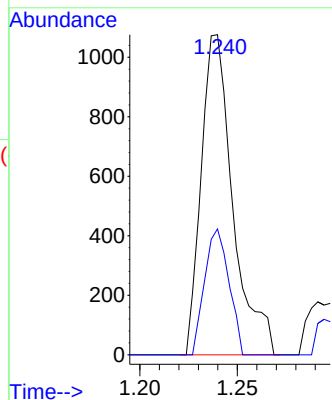
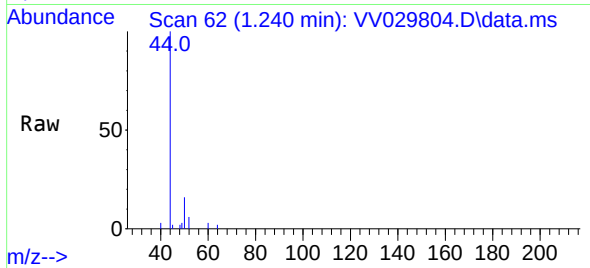




#3
Chloromethane
Concen: 0.057 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

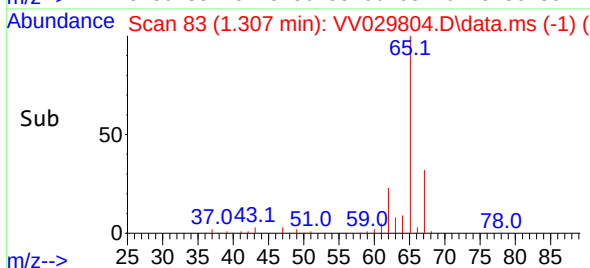
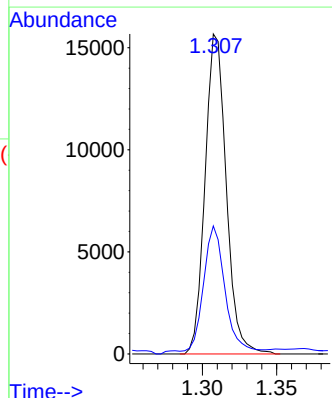
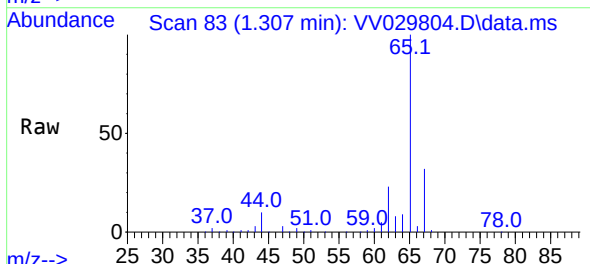
Instrument :
MSVOA_V
ClientSampleId :
BH1W3

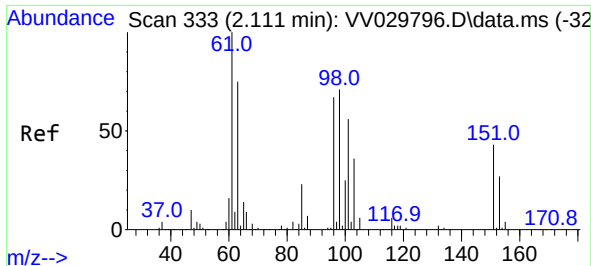
Tgt Ion: 50 Resp: 1216
Ion Ratio Lower Upper
50 100
52 39.3 23.1 42.9



#5
Vinyl chloride
Concen: 0.742 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion: 62 Resp: 15540
Ion Ratio Lower Upper
62 100
64 40.0 23.2 43.2

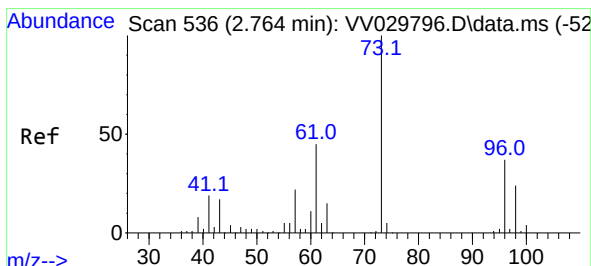
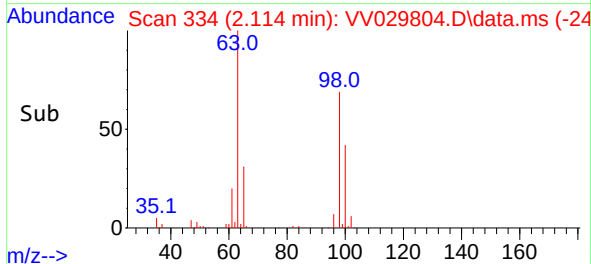
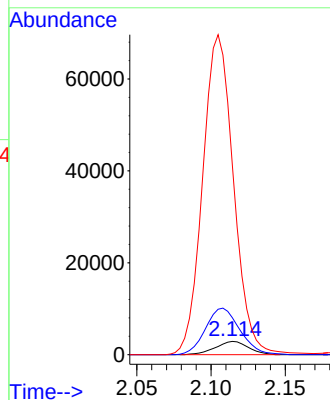
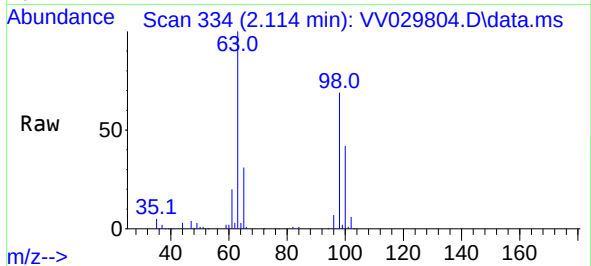




#12
1,1-Dichloroethene
Concen: 0.240 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

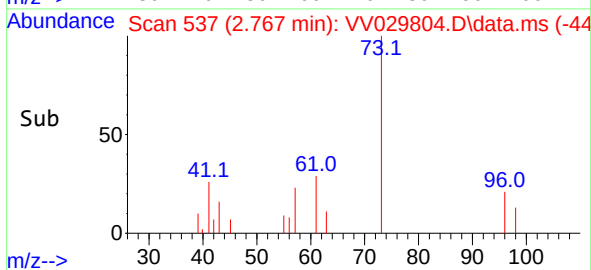
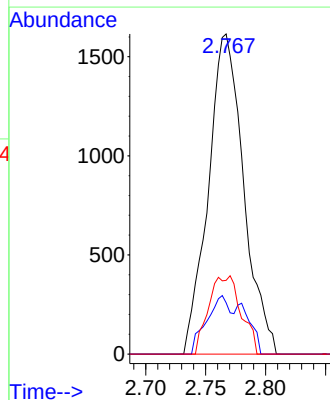
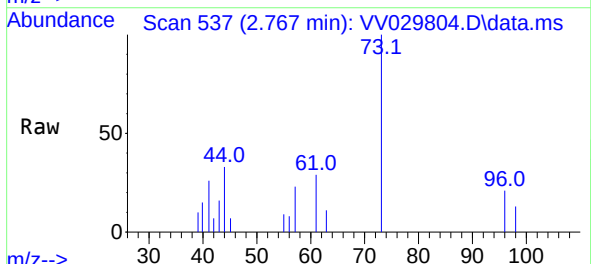
Instrument :
MSVOA_V
ClientSampleId :
BH1W3

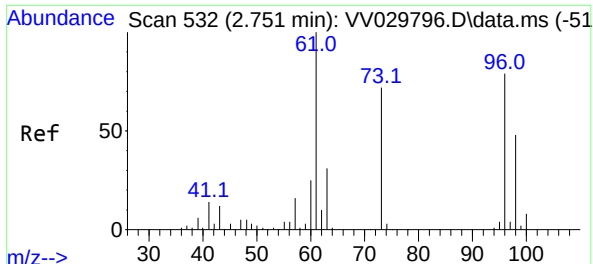
Tgt Ion: 96 Resp: 4473
Ion Ratio Lower Upper
96 100
61 277.6 106.1 197.1#
63 1420.1 76.4 141.8#



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion: 73 Resp: 3308
Ion Ratio Lower Upper
73 100
43 12.8 13.0 19.4#
57 22.3 17.1 25.7

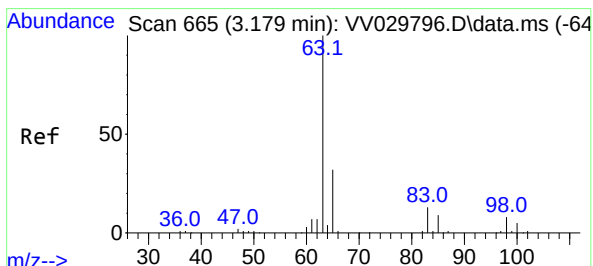
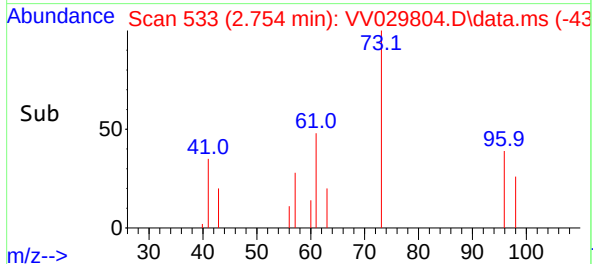
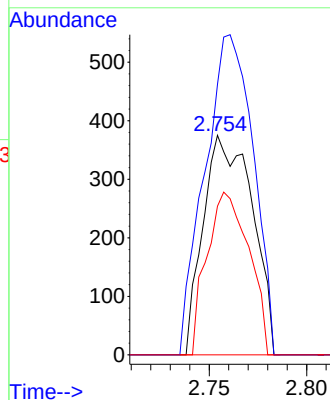
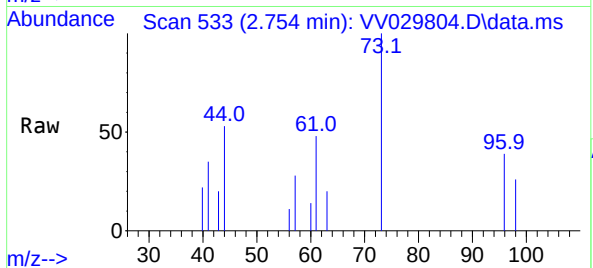




#18
trans-1,2-Dichloroethene
Concen: 0.038 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

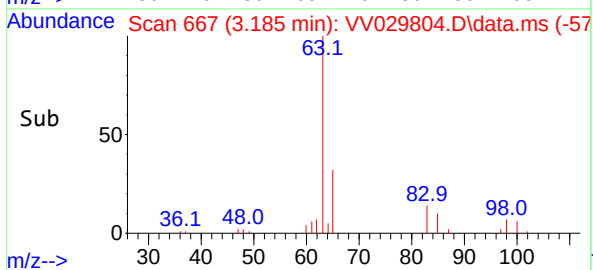
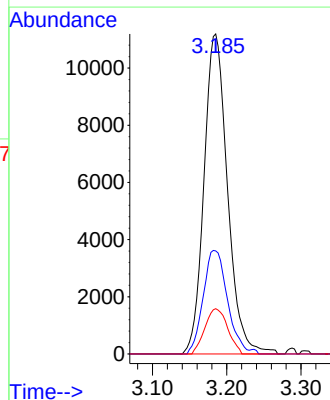
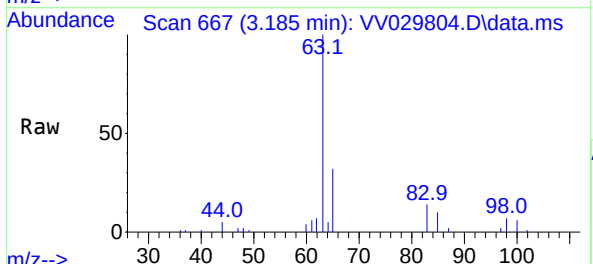
Instrument :
MSVOA_V
ClientSampleId :
BH1W3

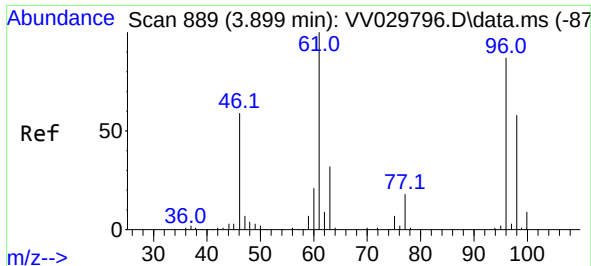
Tgt Ion: 96 Resp: 657
Ion Ratio Lower Upper
96 100
61 123.2 86.1 159.9
98 67.7 43.9 81.5



#19
1,1-Dichloroethane
Concen: 0.850 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.006 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion: 63 Resp: 24606
Ion Ratio Lower Upper
63 100
65 32.2 22.4 41.6
83 14.2 10.2 19.0

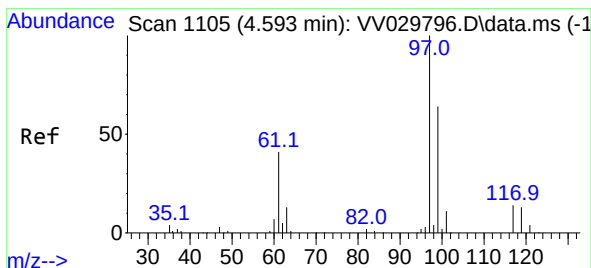
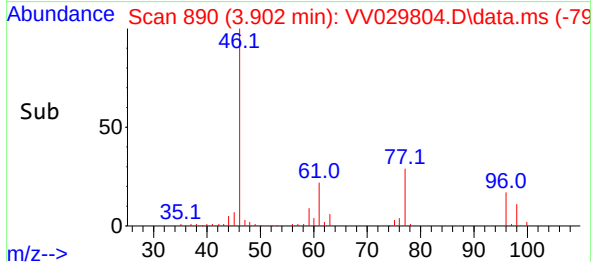
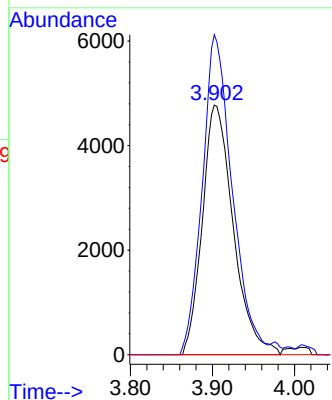
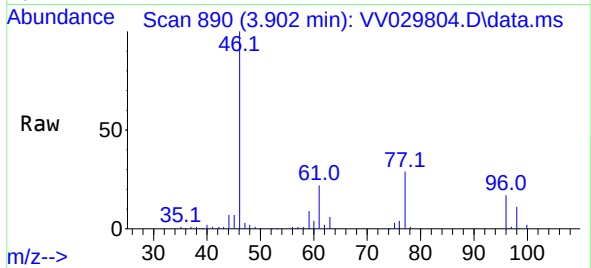




#22
 cis-1,2-Dichloroethene
 Concen: 0.679 ug/L
 RT: 3.902 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VV029804.D
 Acq: 13 Jan 2023 13:30

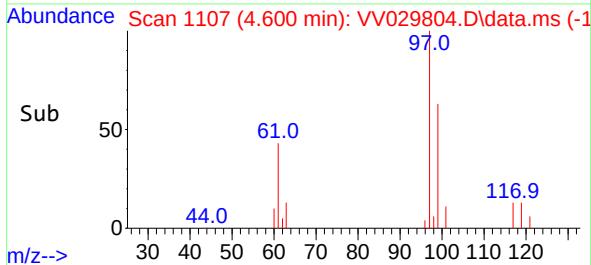
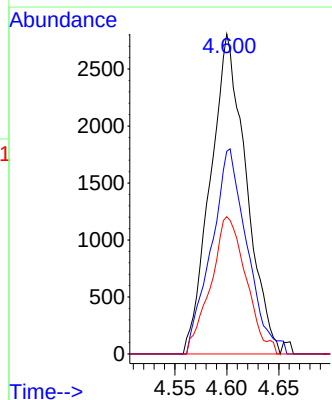
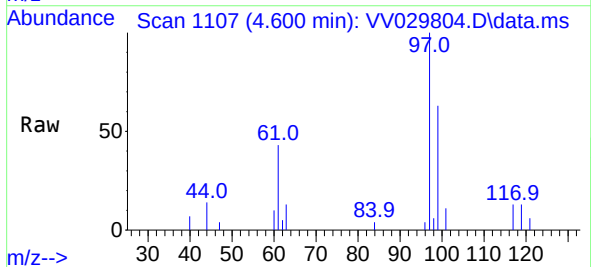
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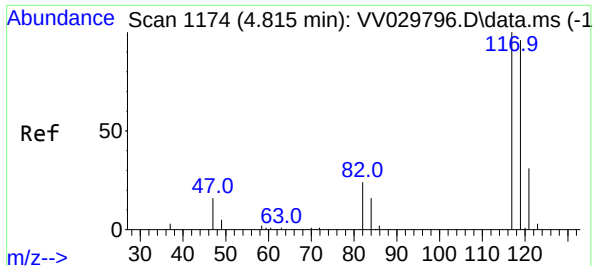
Tgt Ion:	96	Resp:	12509
Ion	Ratio	Lower	Upper
96	100		
61	128.2	80.0	148.6
68	0.0	0.0	0.0



#29
 1,1,1-Trichloroethane
 Concen: 0.242 ug/L
 RT: 4.600 min Scan# 1107
 Delta R.T. 0.003 min
 Lab File: VV029804.D
 Acq: 13 Jan 2023 13:30

Tgt Ion:	97	Resp:	6712
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	42.3	31.6	47.4

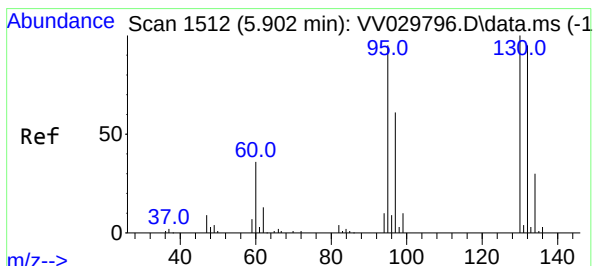
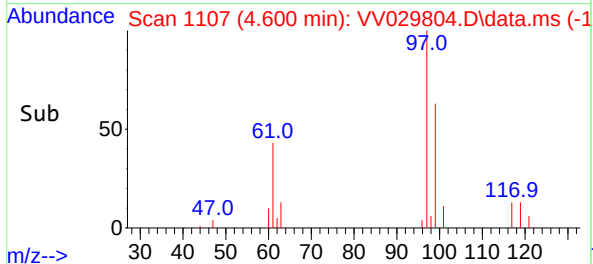
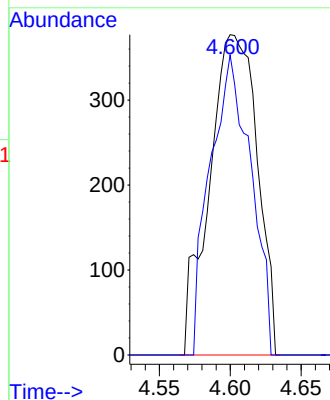
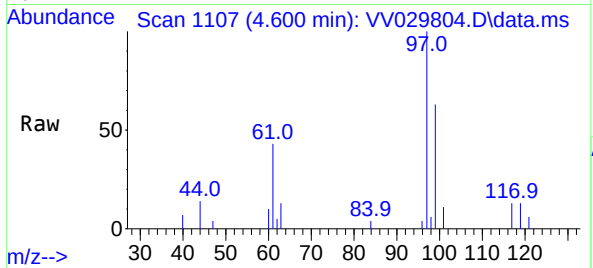




#31
Carbon tetrachloride
Concen: 0.037 ug/L
RT: 4.600 min Scan# 1174
Delta R.T. -0.215 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

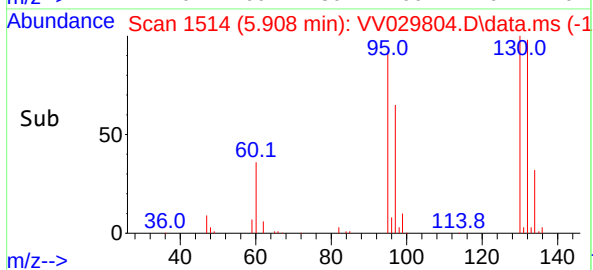
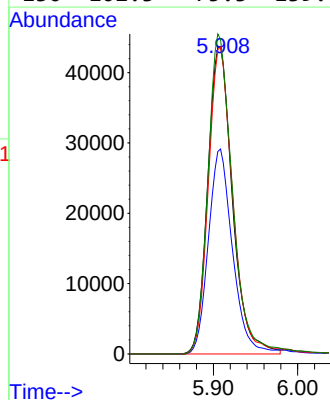
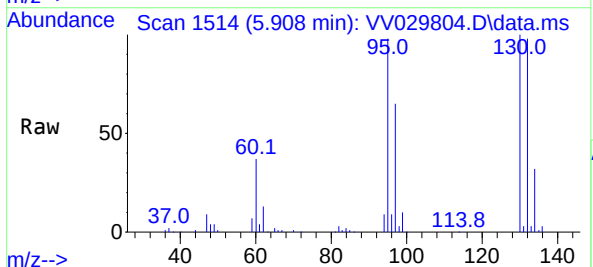
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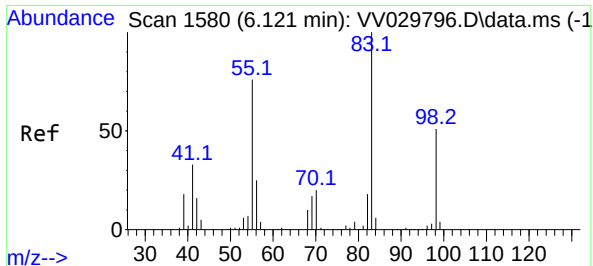
Tgt Ion:117 Resp: 890
Ion Ratio Lower Upper
117 100
119 79.3 76.6 114.8



#34
Trichloroethene
Concen: 4.973 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion: 95 Resp: 89046
Ion Ratio Lower Upper
95 100
97 66.6 44.9 83.3
132 99.9 71.8 133.4
130 102.3 75.3 139.8





#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.063 min Scan# 1561

Delta R.T. -0.058 min

Lab File: VV029804.D

Acq: 13 Jan 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

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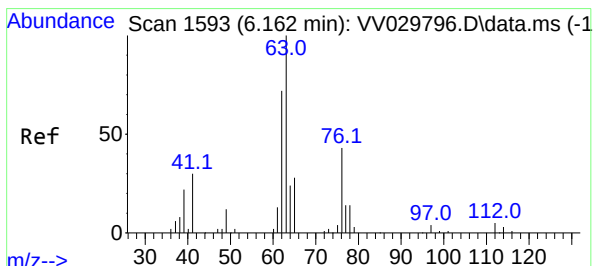
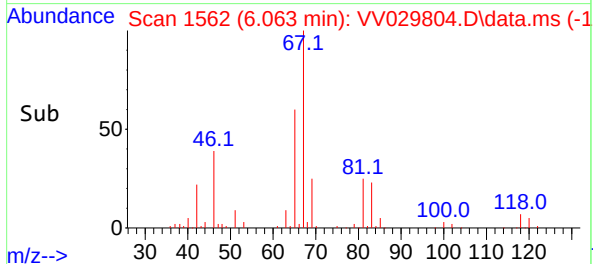
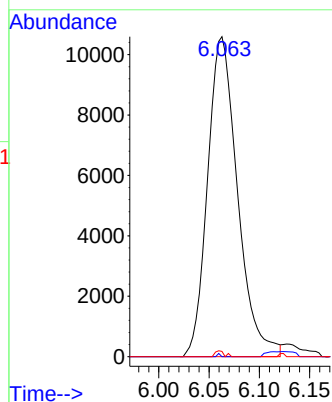
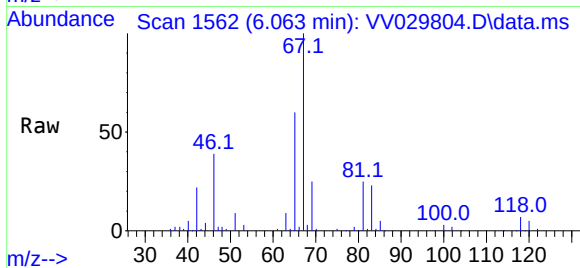
Tgt Ion: 83 Resp: 21968

Ion Ratio Lower Upper

83 100

55 0.1 57.3 85.9#

98 0.6 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. -0.103 min

Lab File: VV029804.D

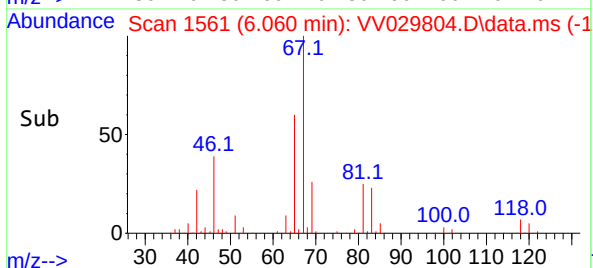
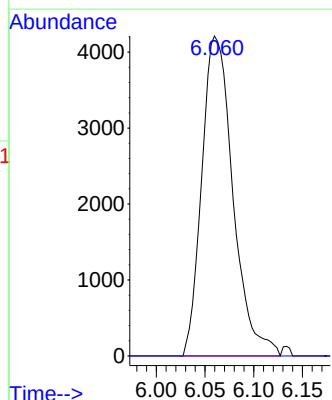
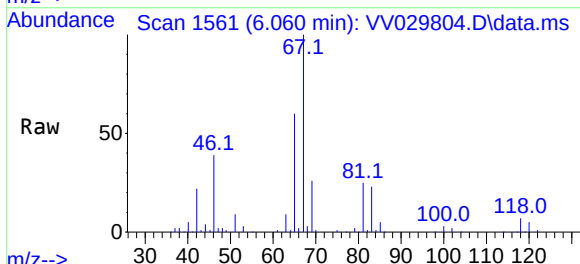
Acq: 13 Jan 2023 13:30

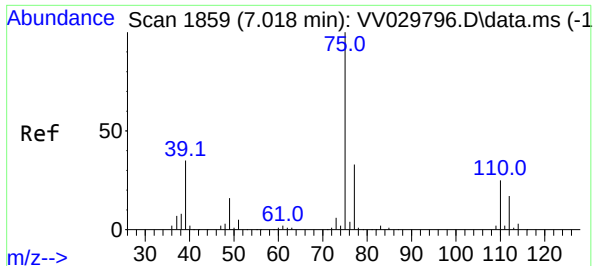
Tgt Ion: 63 Resp: 9370

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029804.D

Acq: 13 Jan 2023 13:30

Instrument :

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ClientSampleId :

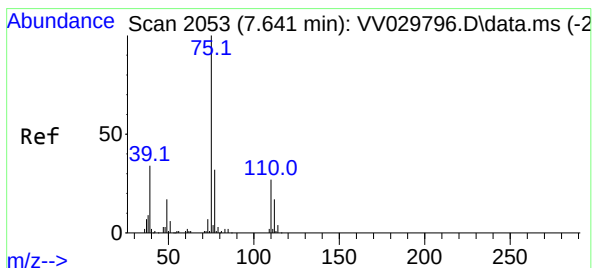
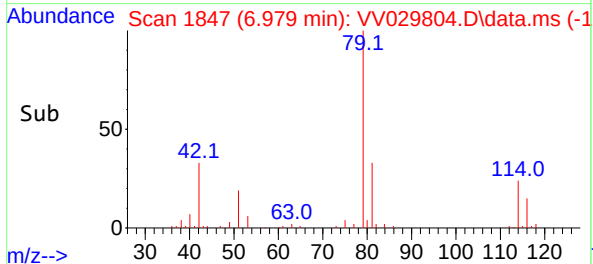
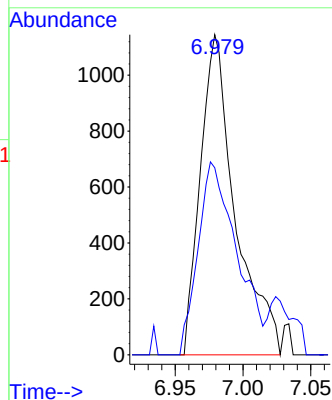
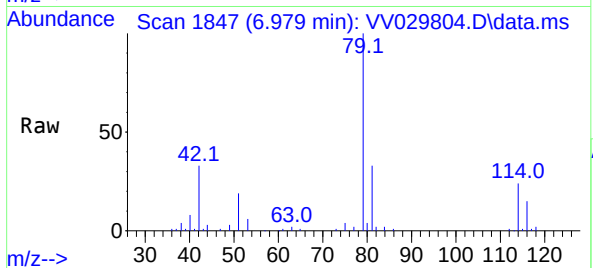
BH1W3

Tgt Ion: 75 Resp: 2046

Ion Ratio Lower Upper

75 100

77 58.4 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.613 min Scan# 2044

Delta R.T. -0.029 min

Lab File: VV029804.D

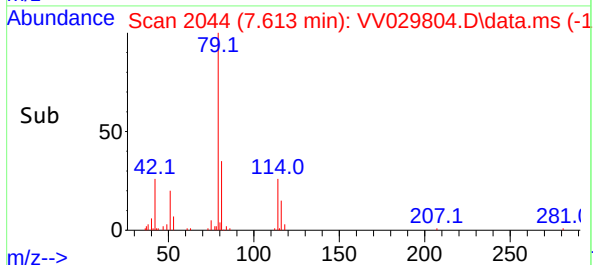
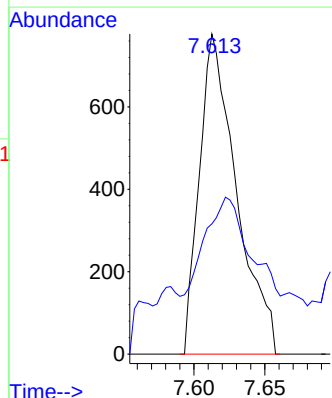
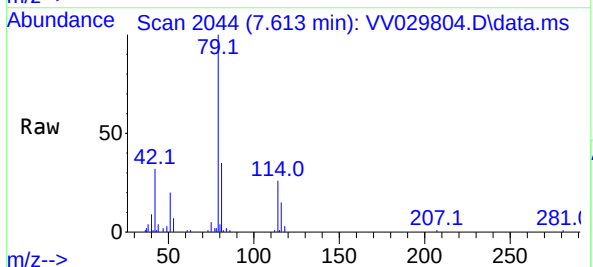
Acq: 13 Jan 2023 13:30

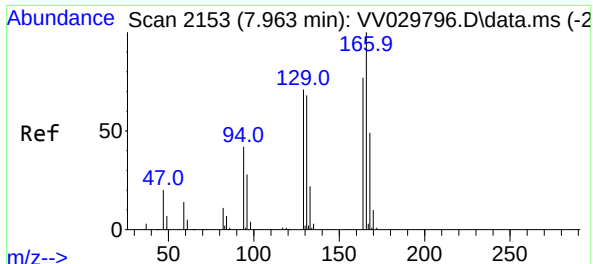
Tgt Ion: 75 Resp: 1415

Ion Ratio Lower Upper

75 100

77 40.7 21.9 40.7

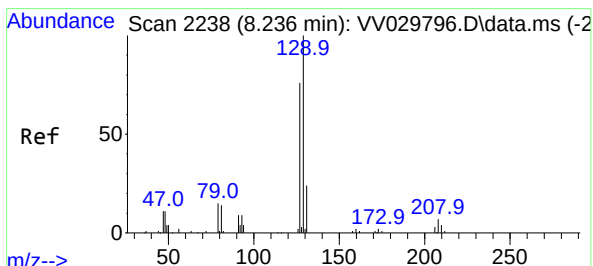
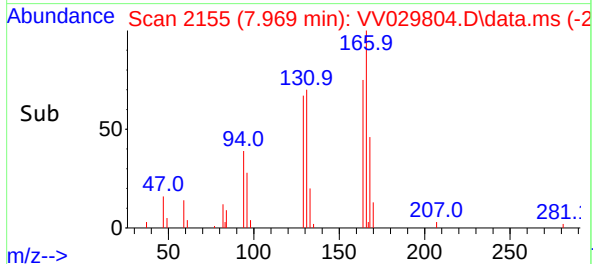
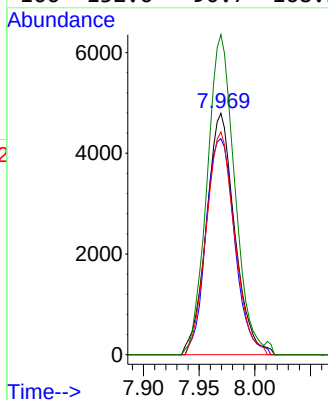
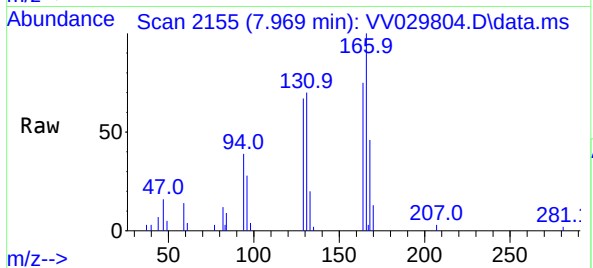




#47
Tetrachloroethene
Concen: 0.562 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

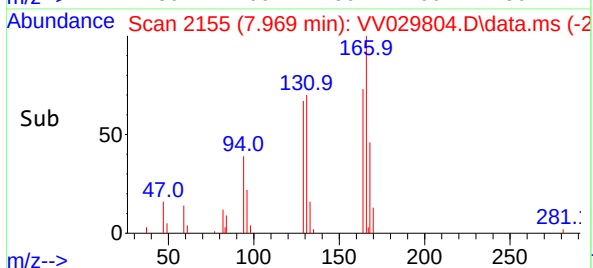
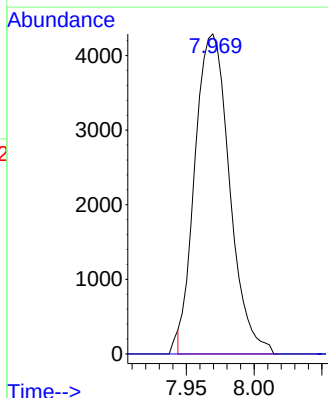
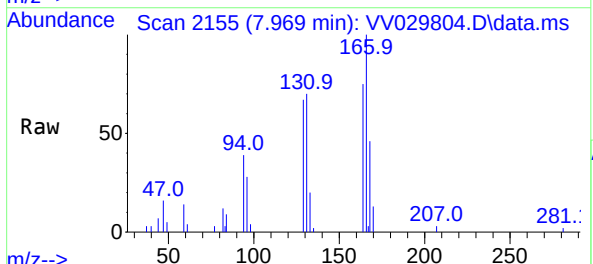
Instrument :
MSVOA_V
ClientSampleId :
BH1W3

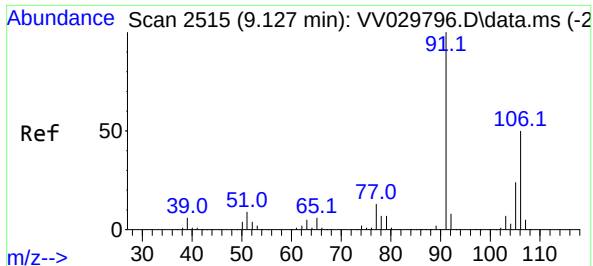
Tgt Ion:	164	Resp:	8468
Ion	Ratio	Lower	Upper
164	100		
129	89.5	64.5	119.7
131	92.3	62.9	116.7
166	132.6	90.7	168.5



#49
Dibromochloromethane
Concen: 0.544 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.267 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion:	129	Resp:	7615
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#

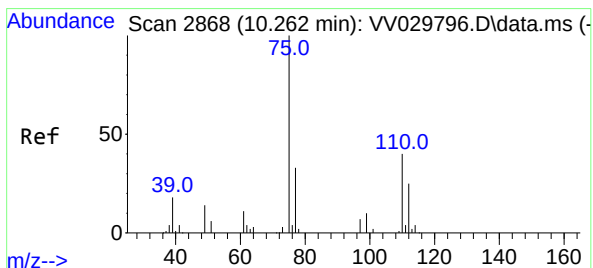
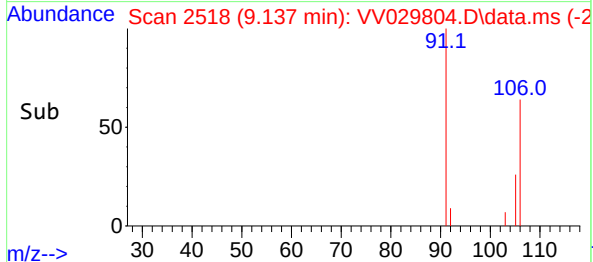
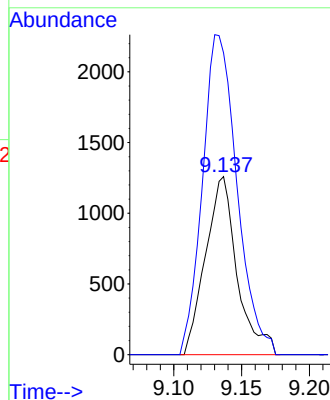
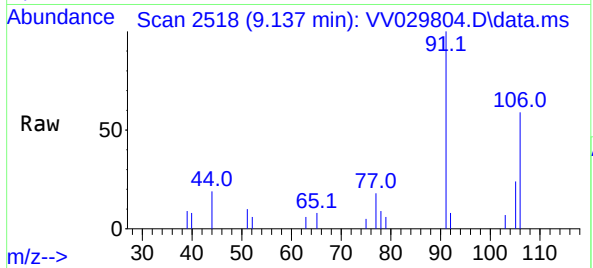




#53
m,p-Xylene
Concen: 0.065 ug/L
RT: 9.137 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Instrument :
MSVOA_V
ClientSampleId :
BH1W3

Tgt Ion:106 Resp: 2038
Ion Ratio Lower Upper
106 100
91 169.5 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.491 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029804.D
Acq: 13 Jan 2023 13:30

Tgt Ion: 75 Resp: 12386
Ion Ratio Lower Upper
75 100
77 33.5 26.5 39.7
110 2.1 31.8 47.8#

