

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029856.D
 Acq On : 14 Jan 2023 14:27
 Operator : SY/MD
 Sample : 01138-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W5

Quant Time: Jan 16 00:40:40 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	187642	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	182069	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	89700	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	68082	4.784	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.564	69	64577	5.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.400%
11) 1,1-Dichloroethene-d2	2.105	63	97072	3.741	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.886	46	131843	52.265	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.520%
24) Chloroform-d	4.339	84	140744	5.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.800%
26) 1,2-Dichloroethane-d4	5.024	65	60758	5.495	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.000%
32) Benzene-d6	5.043	84	297014	5.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.000%
36) 1,2-Dichloropropane-d6	6.063	67	90854	5.748	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.000%
41) Toluene-d8	7.307	98	256246	5.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	7.616	79	27239	4.719	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.085	63	118958	50.618	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.240%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	65089	5.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	95132	5.833	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1094	0.060	ug/L	87
5) Vinyl chloride	1.310	62	24838	1.378	ug/L	98
6) Bromomethane	1.526	94	392	0.045	ug/L	97
8) Chloroethane	1.600	64	80800	7.389	ug/L #	49
12) 1,1-Dichloroethene	2.114	96	8006	0.500	ug/L #	1
14) Carbon disulfide	2.294	76	4531	0.098	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	1569	0.057	ug/L #	87
18) trans-1,2-Dichloroethene	2.757	96	1219	0.082	ug/L	87
19) 1,1-Dichloroethane	3.188	63	8433	0.338	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	101302	6.383	ug/L	94
34) Trichloroethene	5.905	95	194223	12.732	ug/L	97
35) Methylcyclohexane	6.059	83	21470	0.834	ug/L #	20
53) m,p-Xylene	9.136	106	1930	0.072	ug/L	86
61) 1,2,3-Trichloropropane	11.178	75	416	0.063	ug/L #	1
63) 1,2,4-Trimethylbenzene	10.902	105	3031	0.062	ug/L	90
69) 1,3,5-Trichlorobenzene	12.635	180	1750	0.075	ug/L	92
70) 1,2,4-trichlorobenzene	13.249	180	2821	0.154	ug/L	95
71) Naphthalene	13.493	128	14358	0.605	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	2892	0.190	ug/L	97

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

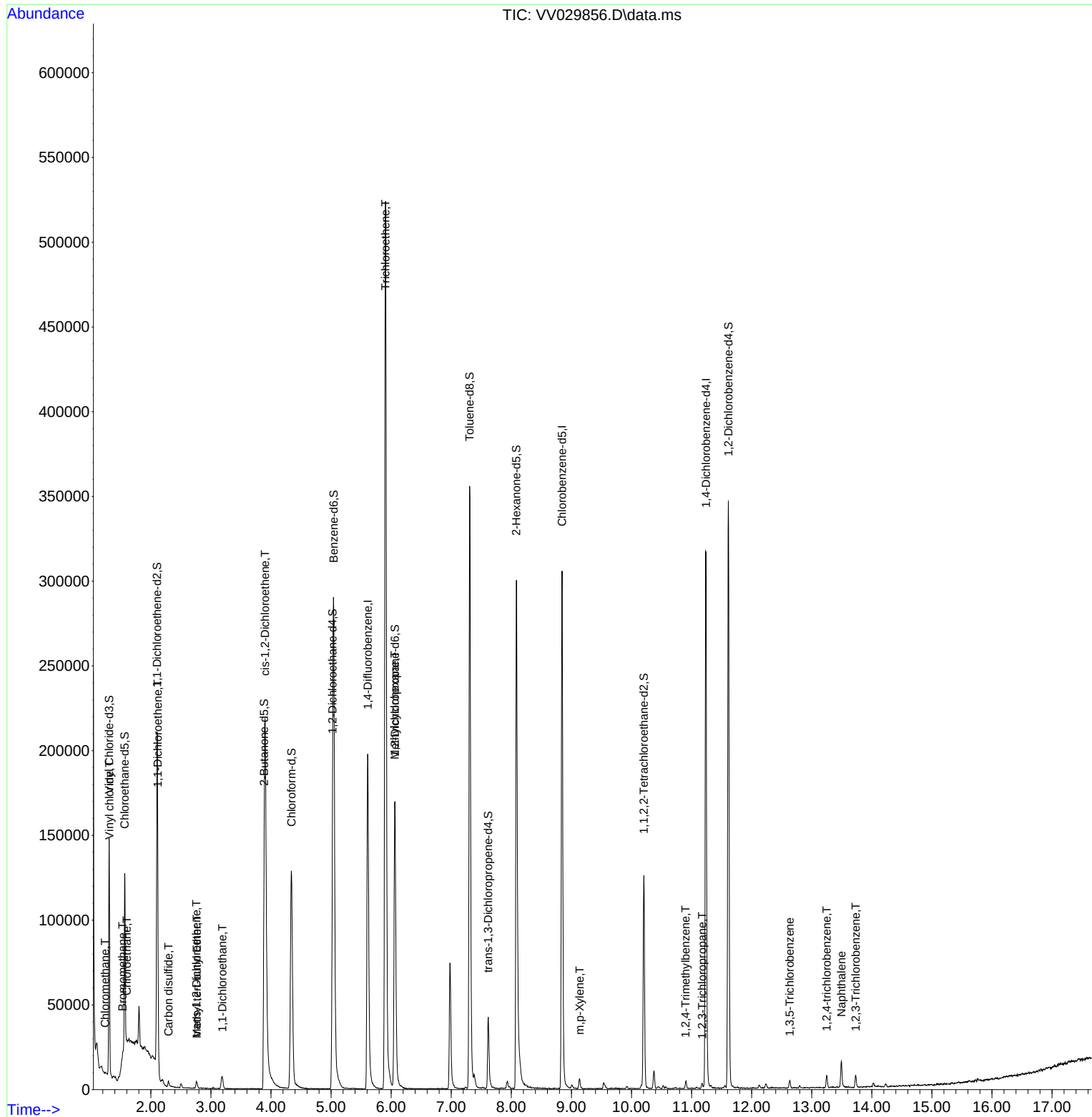
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

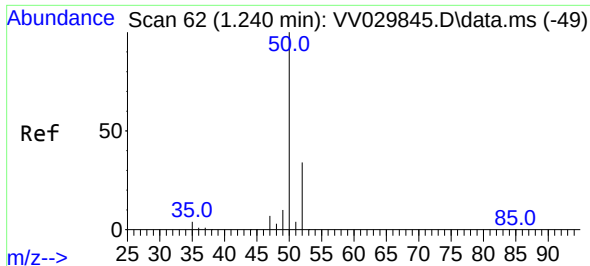
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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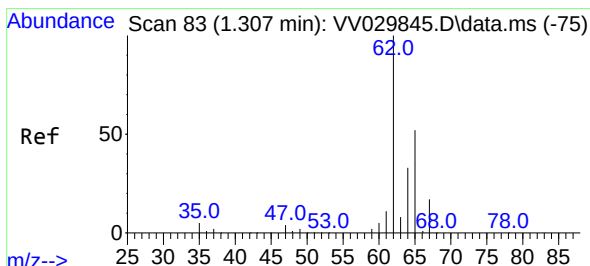
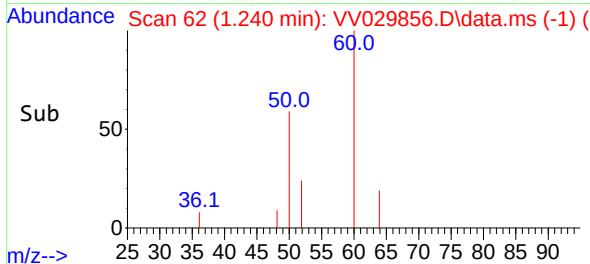
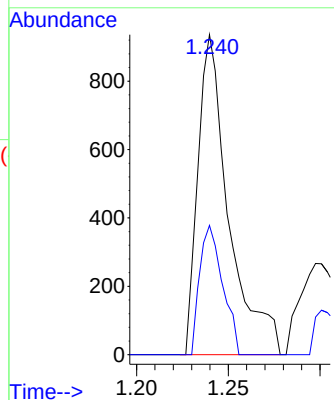
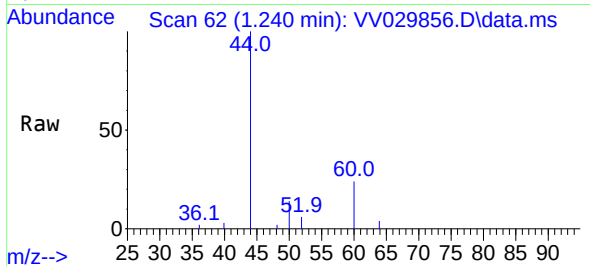




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

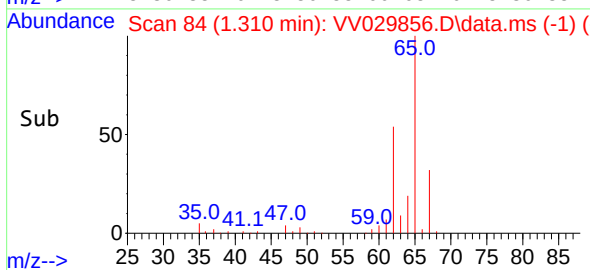
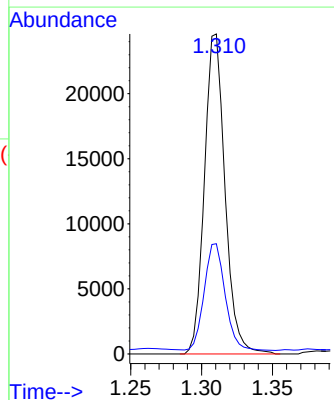
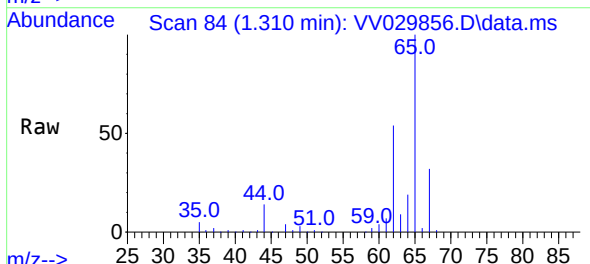
Instrument :
MSVOA_V
ClientSampleId :
BH1W5

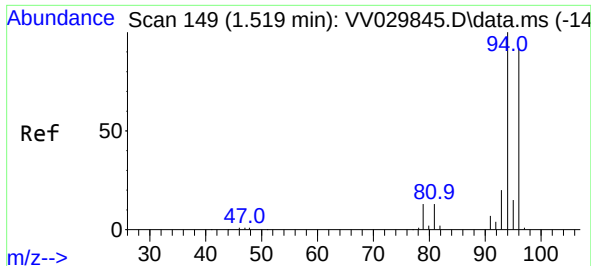
Tgt Ion: 50 Resp: 1094
Ion Ratio Lower Upper
50 100
52 40.4 23.1 42.9



#5
Vinyl chloride
Concen: 1.378 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.006 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

Tgt Ion: 62 Resp: 24838
Ion Ratio Lower Upper
62 100
64 34.5 23.2 43.2

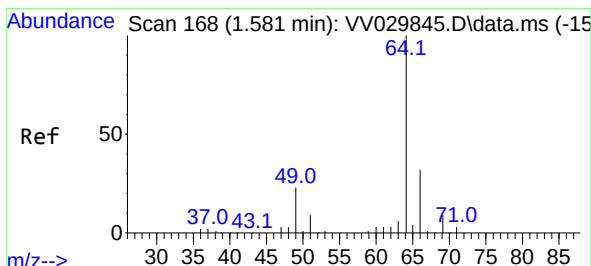
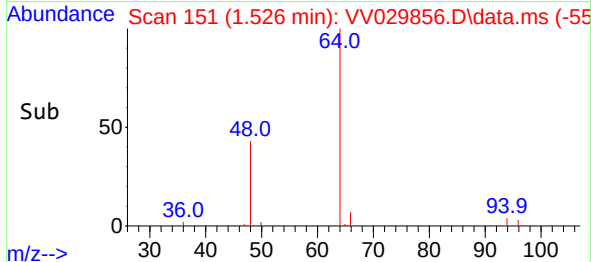
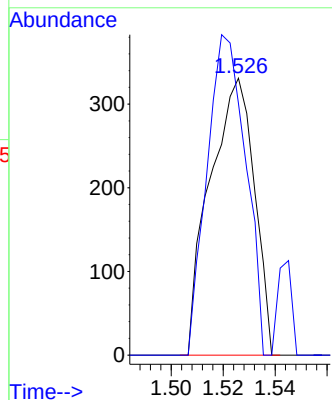
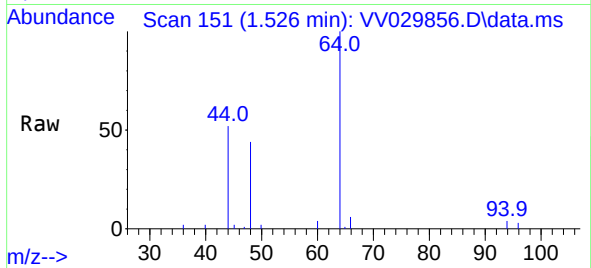




#6
Bromomethane
Concen: 0.045 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

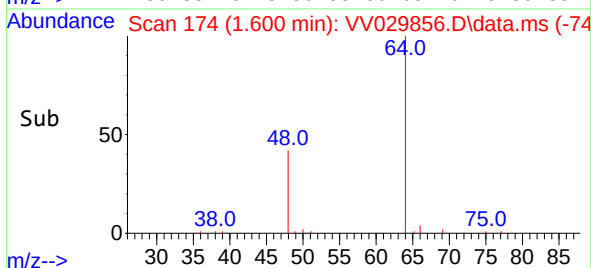
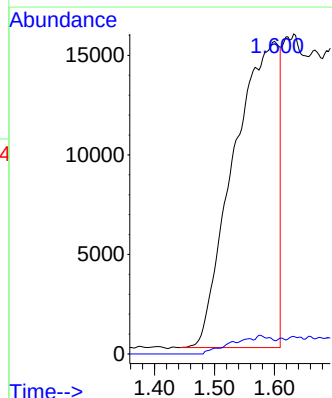
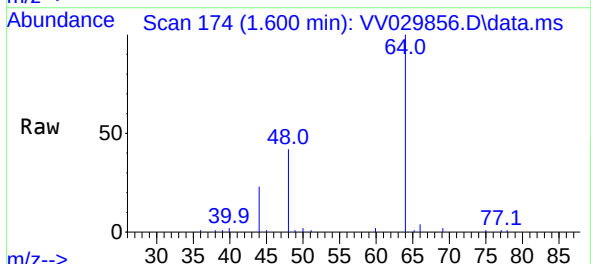
Instrument :
MSVOA_V
ClientSampleId :
BH1W5

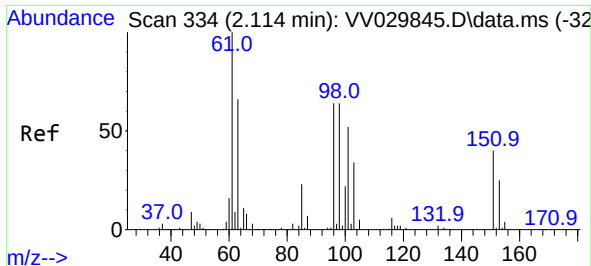
Tgt Ion: 94 Resp: 392
Ion Ratio Lower Upper
94 100
96 90.9 65.9 122.5



#8
Chloroethane
Concen: 7.389 ug/L
RT: 1.600 min Scan# 174
Delta R.T. 0.022 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

Tgt Ion: 64 Resp: 80800
Ion Ratio Lower Upper
64 100
66 4.2 22.9 42.5#

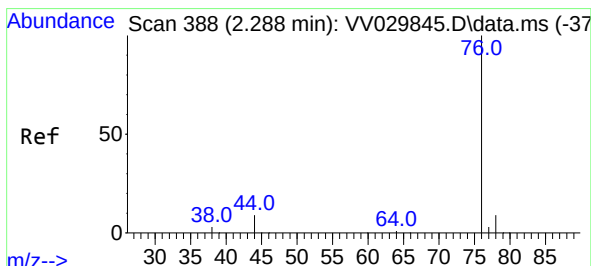
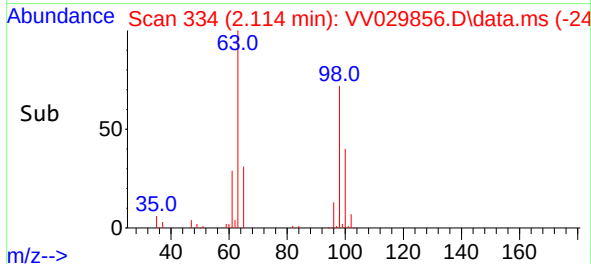
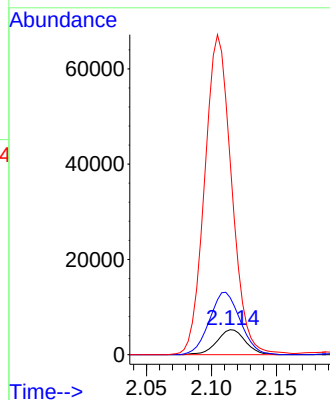
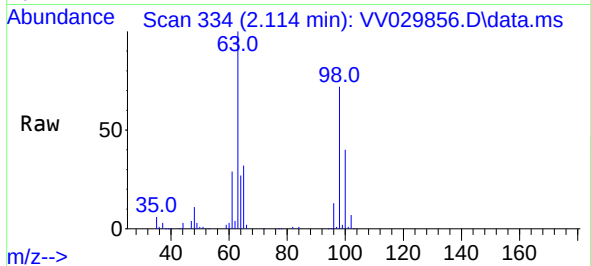




#12
1,1-Dichloroethene
Concen: 0.500 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

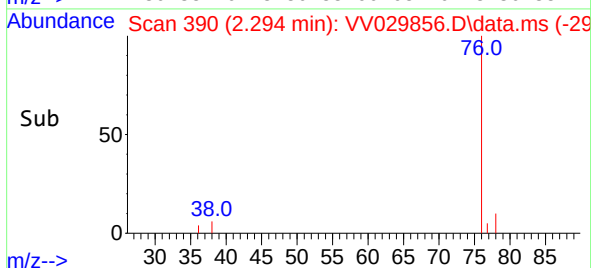
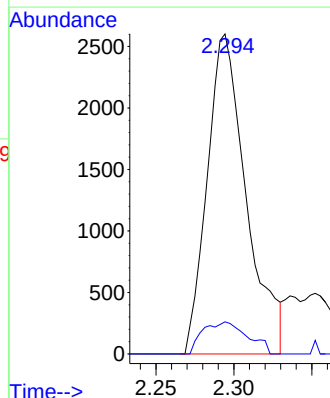
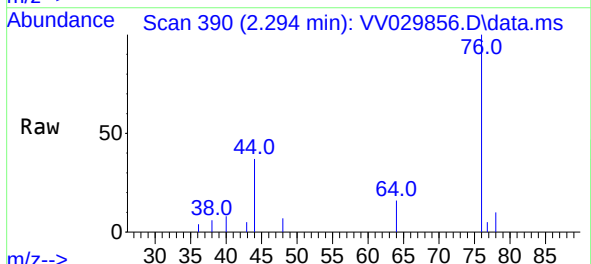
Instrument :
MSVOA_V
ClientSampleId :
BH1W5

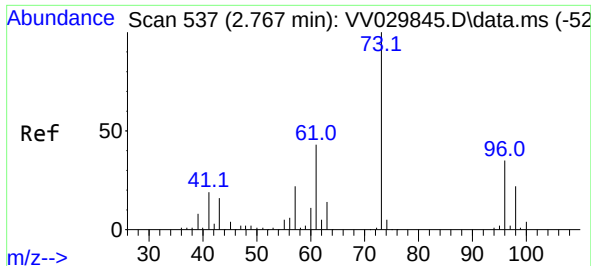
Tgt Ion: 96 Resp: 8006
Ion Ratio Lower Upper
96 100
61 228.9 106.1 197.1#
63 778.6 76.4 141.8#



#14
Carbon disulfide
Concen: 0.098 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.010 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

Tgt Ion: 76 Resp: 4531
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

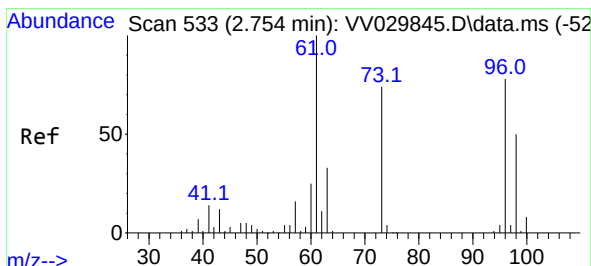
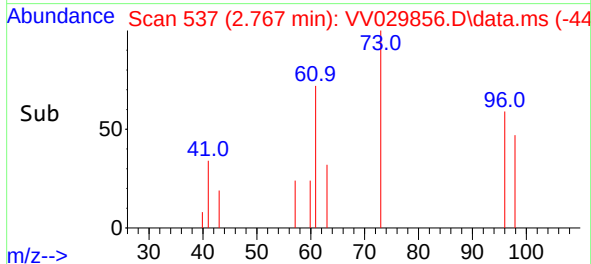
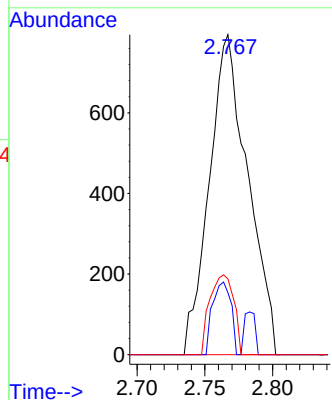
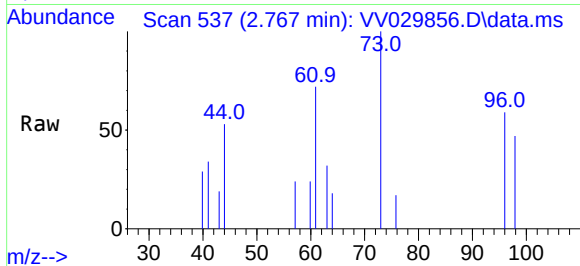




#17
Methyl tert-butyl Ether
Concen: 0.057 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

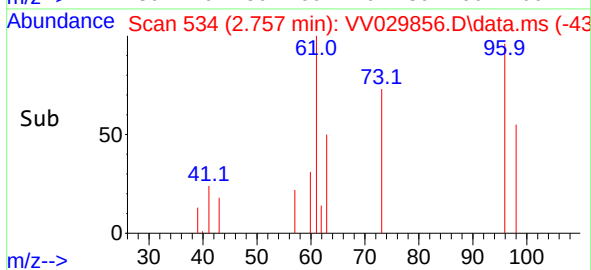
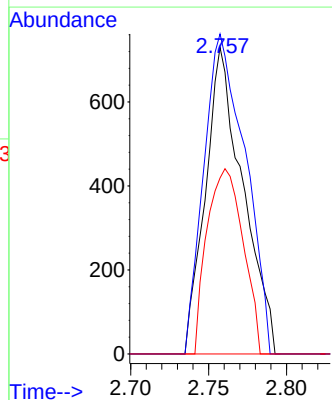
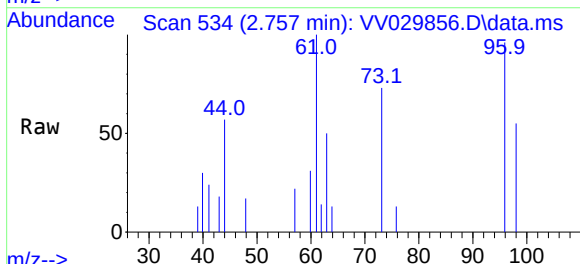
Instrument :
MSVOA_V
ClientSampleId :
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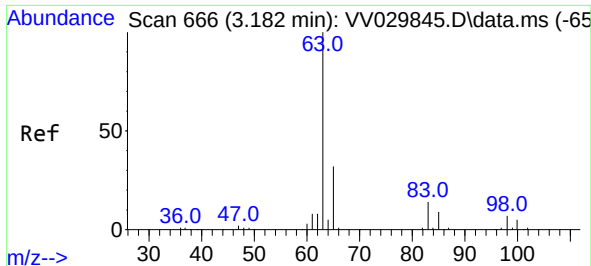
Tgt Ion: 73 Resp: 1569
Ion Ratio Lower Upper
73 100
43 10.8 13.0 19.4#
57 15.4 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.082 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

Tgt Ion: 96 Resp: 1219
Ion Ratio Lower Upper
96 100
61 104.4 86.1 159.9
98 57.4 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.338 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV029856.D

Acq: 14 Jan 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

BH1W5

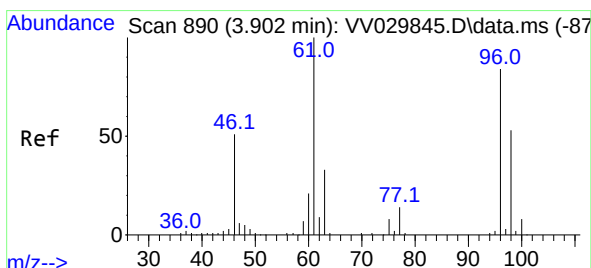
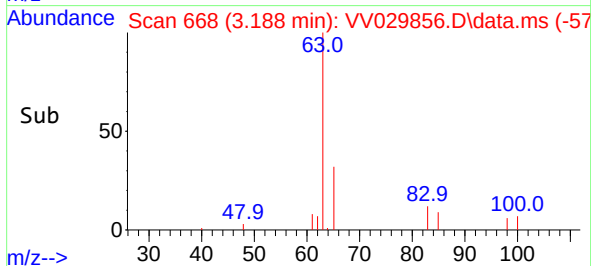
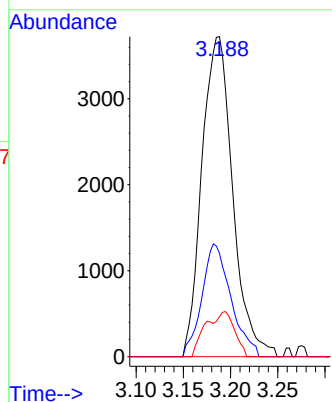
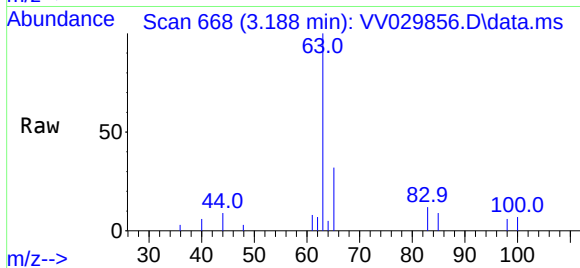
Tgt Ion: 63 Resp: 8433

Ion Ratio Lower Upper

63 100

65 32.4 22.4 41.6

83 12.5 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 6.383 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029856.D

Acq: 14 Jan 2023 14:27

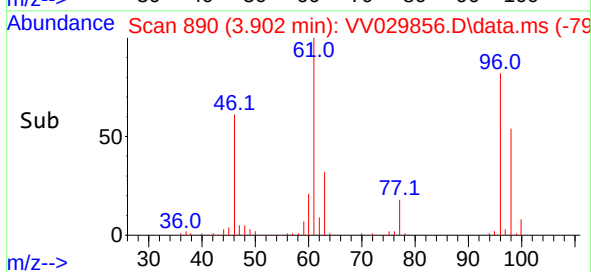
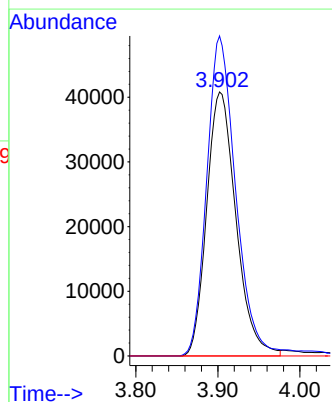
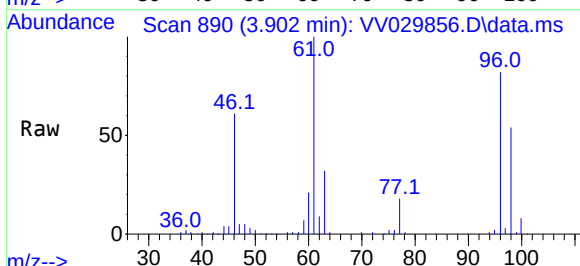
Tgt Ion: 96 Resp: 101302

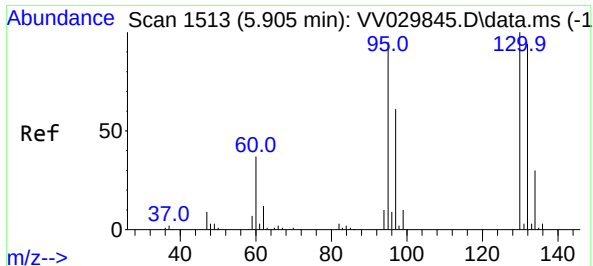
Ion Ratio Lower Upper

96 100

61 121.2 80.0 148.6

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 12.732 ug/L

RT: 5.905 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029856.D

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ClientSampleId :

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Tgt Ion: 95 Resp: 194223

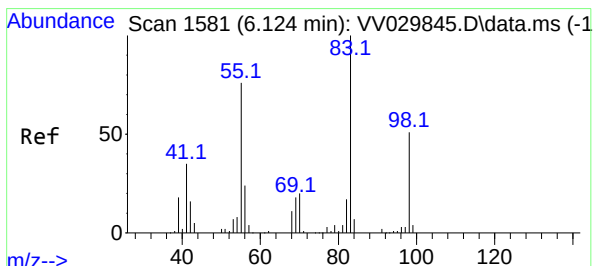
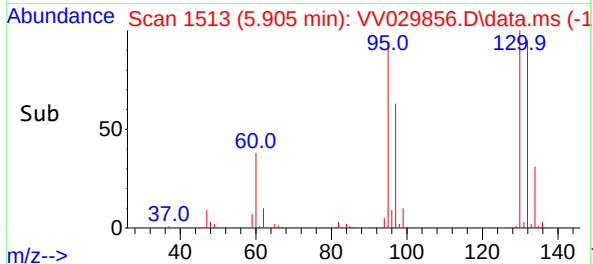
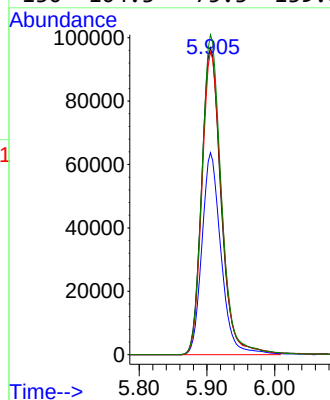
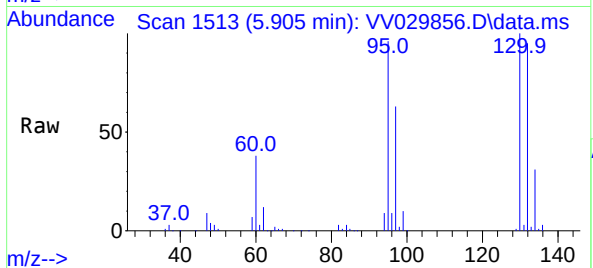
Ion Ratio Lower Upper

95 100

97 65.8 44.9 83.3

132 98.7 71.8 133.4

130 104.3 75.3 139.8



#35

Methylcyclohexane

Concen: 0.834 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.061 min

Lab File: VV029856.D

Acq: 14 Jan 2023 14:27

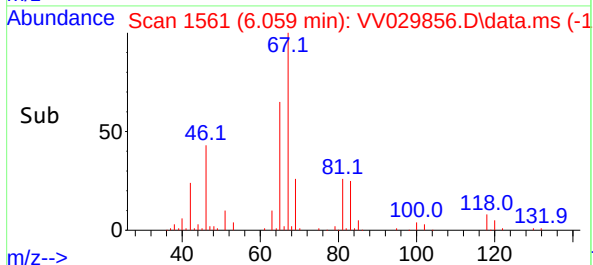
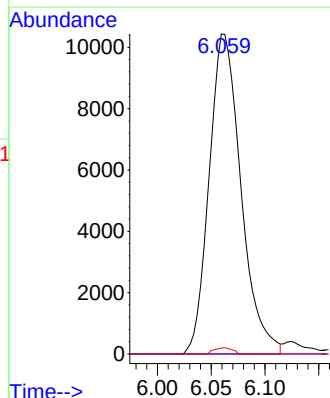
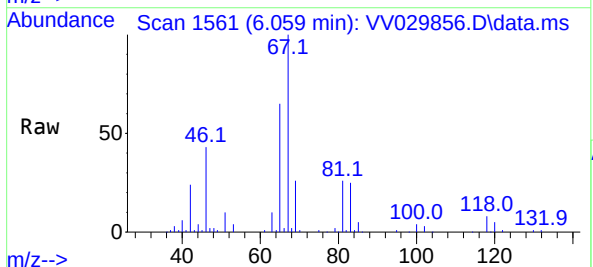
Tgt Ion: 83 Resp: 21470

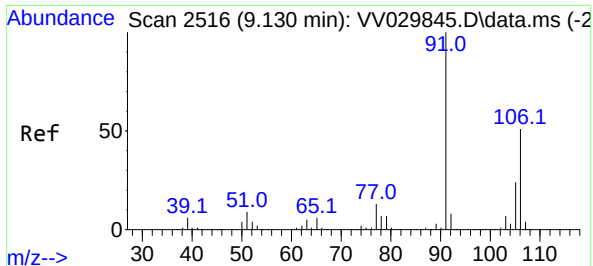
Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 1.1 39.0 58.6#

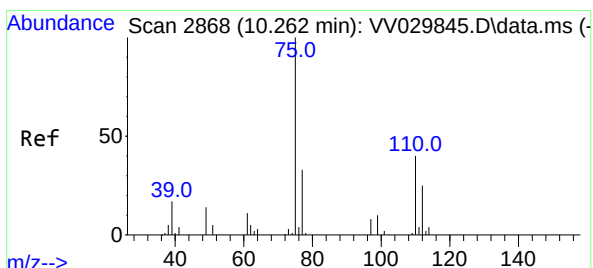
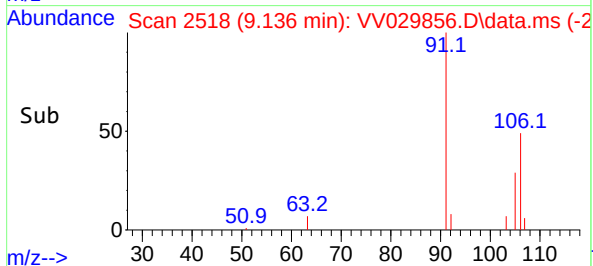
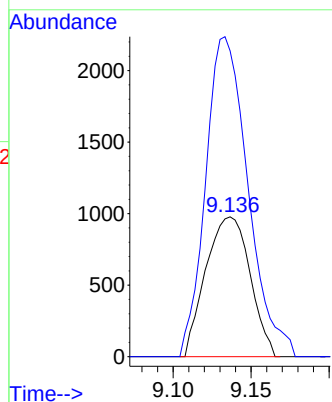
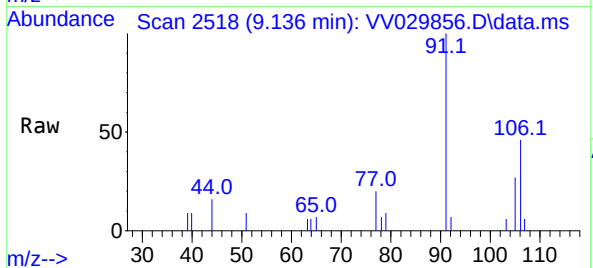




#53
 m,p-Xylene
 Concen: 0.072 ug/L
 RT: 9.136 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV029856.D
 Acq: 14 Jan 2023 14:27

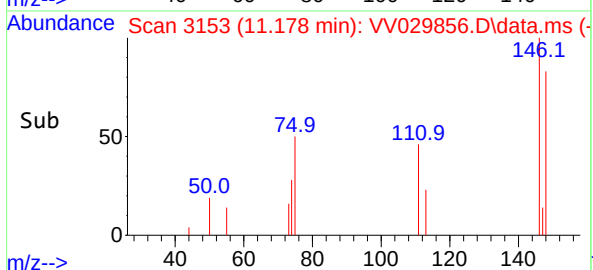
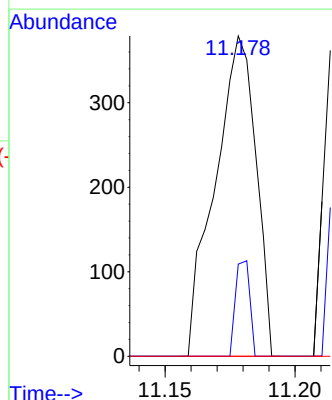
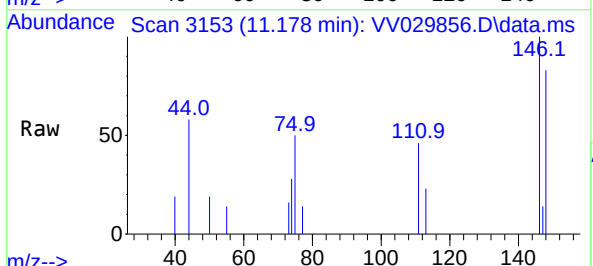
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W5

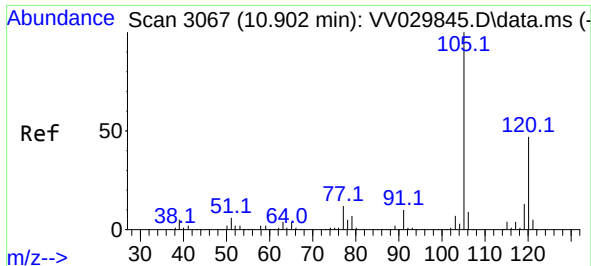
Tgt Ion:106 Resp: 1930
 Ion Ratio Lower Upper
 106 100
 91 218.6 138.7 257.7



#61
 1,2,3-Trichloropropane
 Concen: 0.063 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.916 min
 Lab File: VV029856.D
 Acq: 14 Jan 2023 14:27

Tgt Ion: 75 Resp: 416
 Ion Ratio Lower Upper
 75 100
 77 115.9 26.5 39.7#
 110 0.0 31.8 47.8#

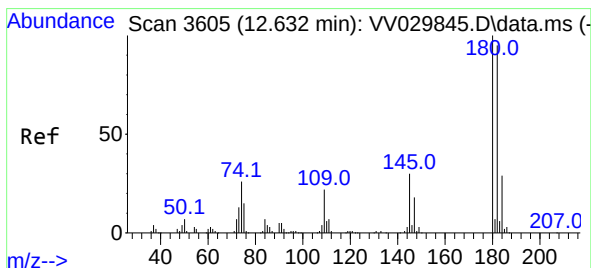
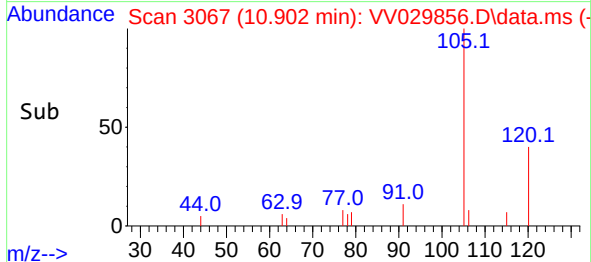
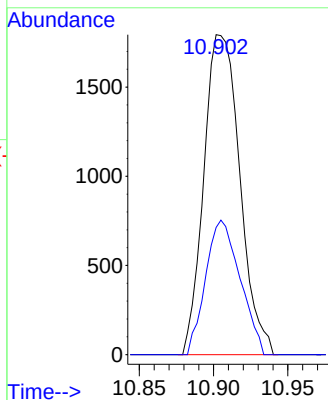
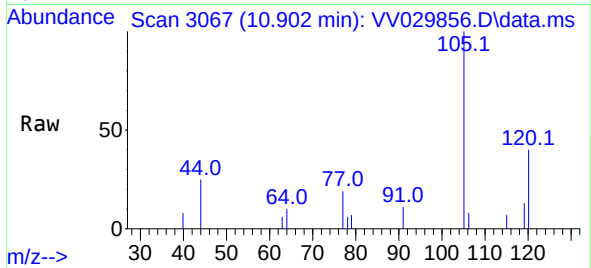




#63
1,2,4-Trimethylbenzene
Concen: 0.062 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.000 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

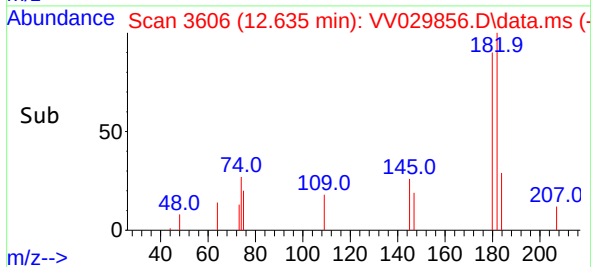
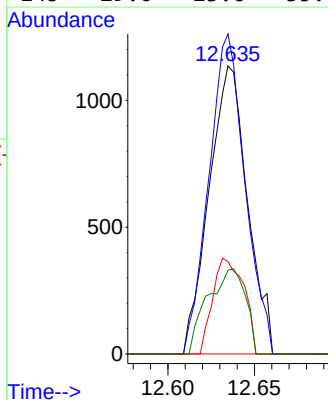
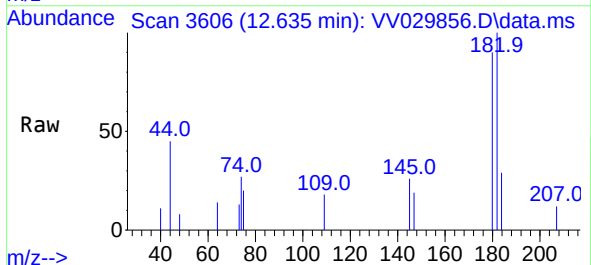
Instrument :
MSVOA_V
ClientSampleId :
BH1W5

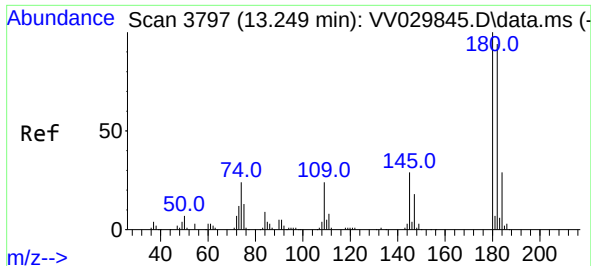
Tgt Ion:105 Resp: 3031
Ion Ratio Lower Upper
105 100
120 40.1 37.4 56.0



#69
1,3,5-Trichlorobenzene
Concen: 0.075 ug/L
RT: 12.635 min Scan# 3606
Delta R.T. 0.003 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

Tgt Ion:180 Resp: 1750
Ion Ratio Lower Upper
180 100
182 104.4 75.4 113.2
184 26.7 23.9 35.9
145 29.0 23.6 35.4

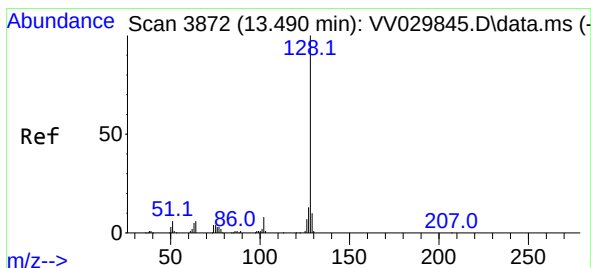
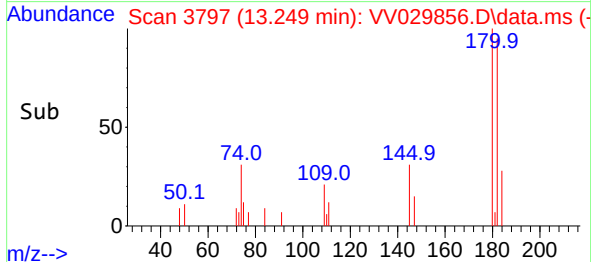
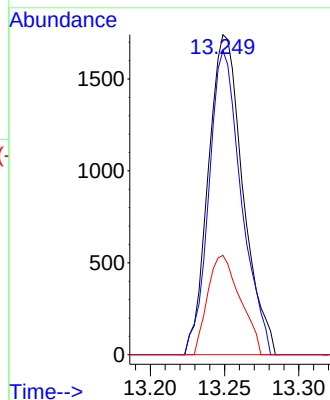
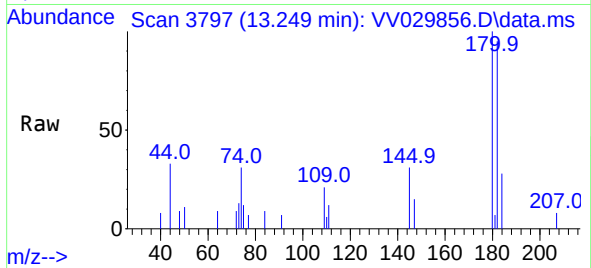




#70
1,2,4-trichlorobenzene
Concen: 0.154 ug/L
RT: 13.249 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

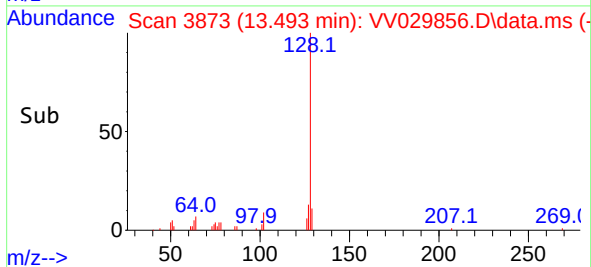
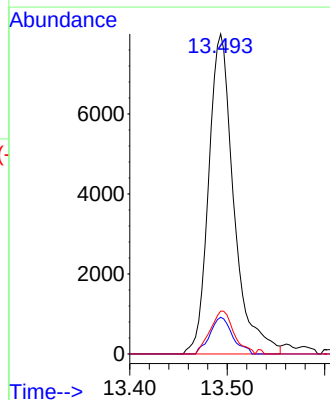
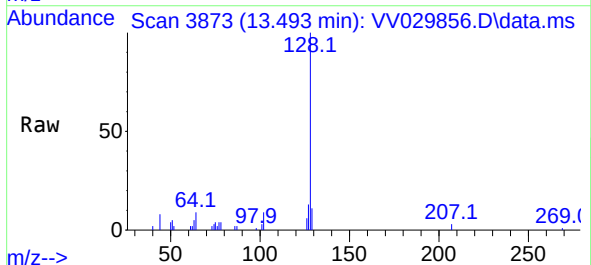
Instrument :
MSVOA_V
ClientSampleId :
BH1W5

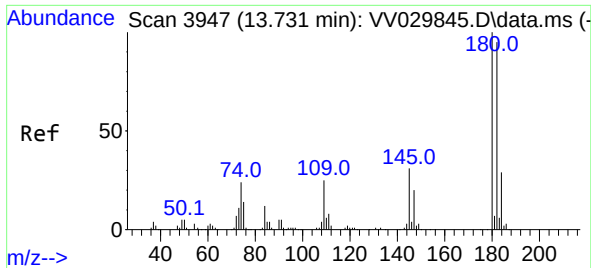
Tgt Ion:	180	Resp:	2821
Ion Ratio	Lower	Upper	
180	100		
182	89.0	75.8	113.8
145	29.2	23.7	35.5



#71
Naphthalene
Concen: 0.605 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.003 min
Lab File: VV029856.D
Acq: 14 Jan 2023 14:27

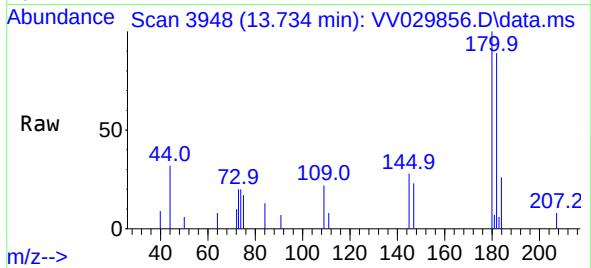
Tgt Ion:	128	Resp:	14358
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.6	12.8
127	12.6	10.0	15.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.190 ug/L
 RT: 13.734 min Scan# 3947
 Delta R.T. 0.006 min
 Lab File: VV029856.D
 Acq: 14 Jan 2023 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W5



Tgt Ion:	180	Resp:	2892
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.5	113.3
145	29.2	25.0	37.6

