

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029309.D
 Acq On : 23 Nov 2022 21:28
 Operator : SY/MD
 Sample : N5651-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 24 01:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 01:40:30 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		5.609	114	289107	5.000	ug/L	0.00
28) Chlorobenzene-d5		8.844	117	254178	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.239	152	123433	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.304	65	91007	5.115	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.400%	
7) Chloroethane-d5		1.568	69	67687	5.197	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.000%	
11) 1,1-Dichloroethene-d2		2.105	63	111782	3.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%	
20) 2-Butanone-d5		3.886	46	150857	50.686	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.380%	
24) Chloroform-d		4.339	84	156760	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%	
26) 1,2-Dichloroethane-d4		5.027	65	74204	5.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%	
32) Benzene-d6		5.043	84	356595	5.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%	
36) 1,2-Dichloropropane-d6		6.063	67	103054	5.221	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%	
41) Toluene-d8		7.307	98	327775	4.944	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%	
43) trans-1,3-Dichloroprop...		7.616	79	36189	4.755	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%	
46) 2-Hexanone-d5		8.085	63	122913	45.308	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.620%	
56) 1,1,2,2-Tetrachloroeth...		10.207	84	62654	5.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%	
66) 1,2-Dichlorobenzene-d4		11.612	152	114666	5.318	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		1.127	85	5109	0.237	ug/L	100
3) Chloromethane		1.240	50	2467	0.125	ug/L	99
8) Chloroethane		1.307	64	1328	0.113	ug/L #	1
9) Trichlorofluoromethane		1.751	101	6866	0.249	ug/L	96
12) 1,1-Dichloroethene		2.114	96	6528	0.439	ug/L #	1
15) Methyl Acetate		2.445	43	1534	0.247	ug/L #	70
17) Methyl tert-butyl Ether		2.767	73	20028	0.527	ug/L	98
18) trans-1,2-Dichloroethene		2.757	96	8295	0.486	ug/L	97
19) 1,1-Dichloroethane		3.185	63	19266	0.627	ug/L	96
22) cis-1,2-Dichloroethene		3.905	96	41977	2.151	ug/L	98
25) Chloroform		4.371	83	6408	0.200	ug/L	91
29) 1,1,1-Trichloroethane		4.597	97	1587	0.054	ug/L	97
33) Benzene		5.101	78	4833	0.064	ug/L	100
34) Trichloroethene		5.905	95	383790	19.790	ug/L	98
35) Methylcyclohexane		6.063	83	25186	0.769	ug/L #	21
37) 1,2-Dichloropropane		6.063	63	10182	0.569	ug/L #	85
44) trans-1,3-Dichloropropene		7.616	75	1657	0.080	ug/L #	74
47) Tetrachloroethene		7.966	164	199746	12.565	ug/L	98
49) Dibromochloromethane		7.966	129	175881	12.896	ug/L #	12

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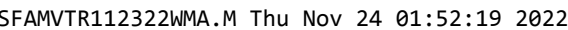
Instrument :
MSVOA_V
ClientSampleId :

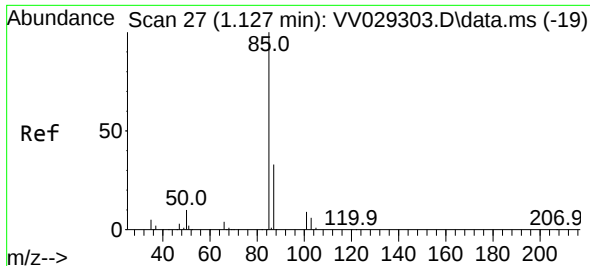
Quant Time: Nov 24 01:52:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 01:40:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.239	75	14927	1.744	ug/L #	71
64) 1,3-Dichlorobenzene	11.262	146	38858	1.044	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	38858	1.055	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	29074	0.848	ug/L	99

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

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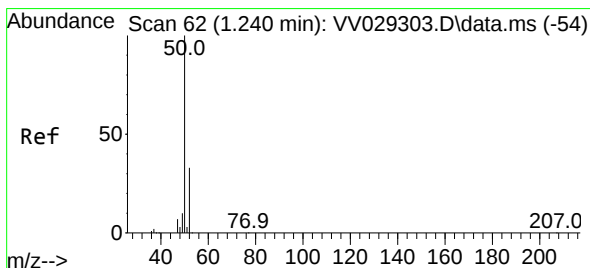
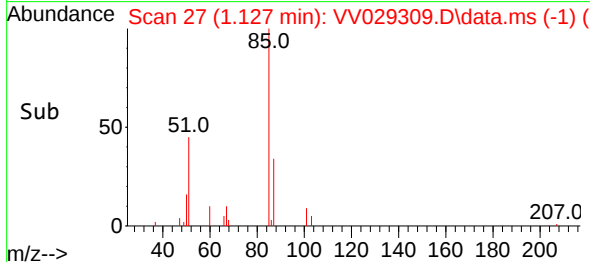
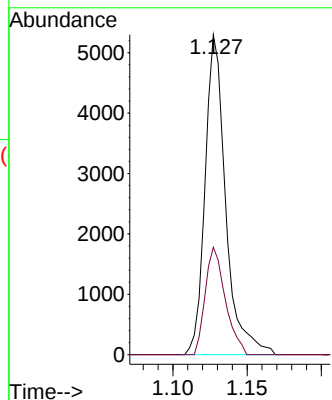
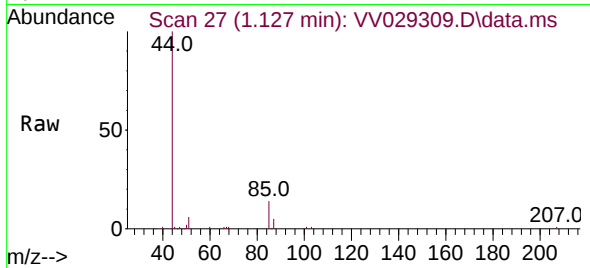




#2
 Dichlorodifluoromethane
 Concen: 0.237 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029309.D
 Acq: 23 Nov 2022 21:28

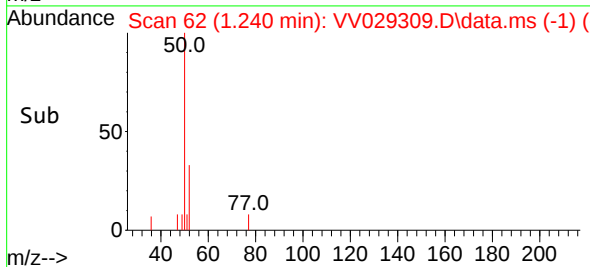
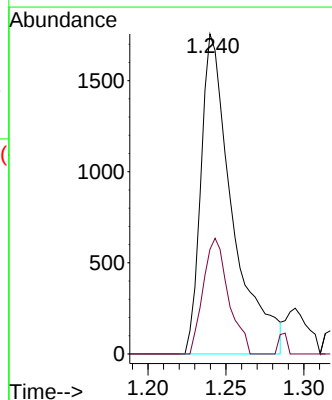
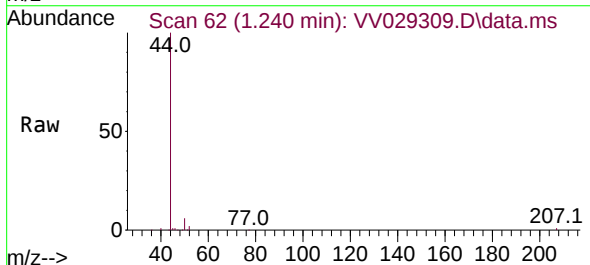
Instrument :
 MSVOA_V
 ClientSampleId :

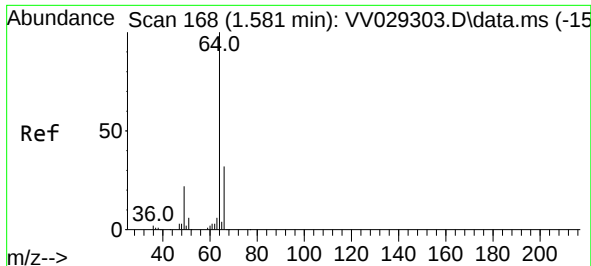
Tgt Ion: 85 Resp: 5109
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 0.125 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029309.D
 Acq: 23 Nov 2022 21:28

Tgt Ion: 50 Resp: 2467
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2





#8

Chloroethane

Concen: 0.113 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.273 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

Instrument :

MSVOA_V

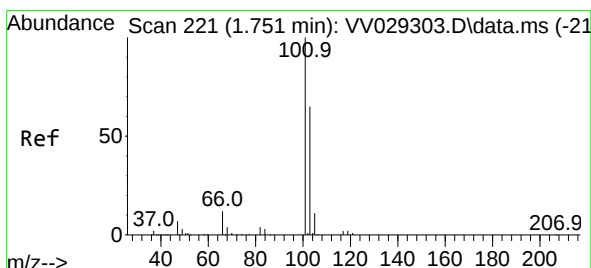
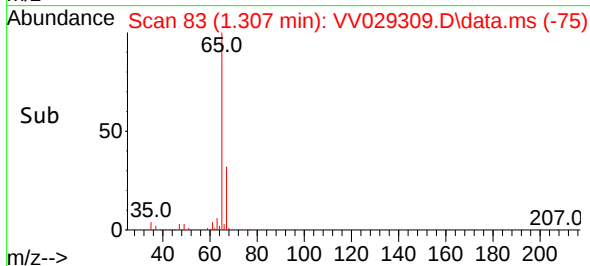
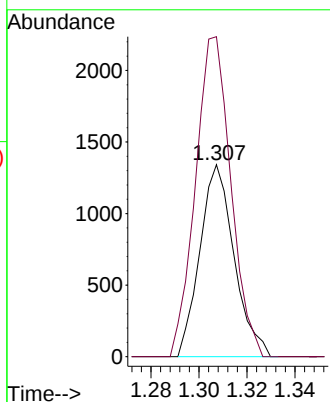
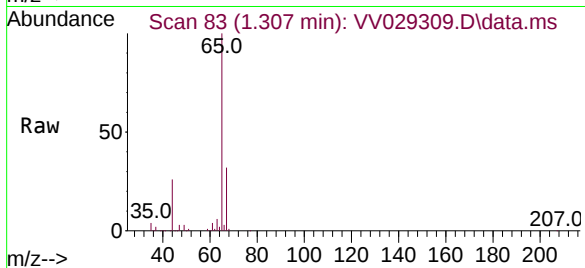
ClientSampleId :

Tgt Ion: 64 Resp: 1328

Ion Ratio Lower Upper

64 100

66 166.6 23.5 43.7#



#9

Trichlorofluoromethane

Concen: 0.249 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.000 min

Lab File: VV029309.D

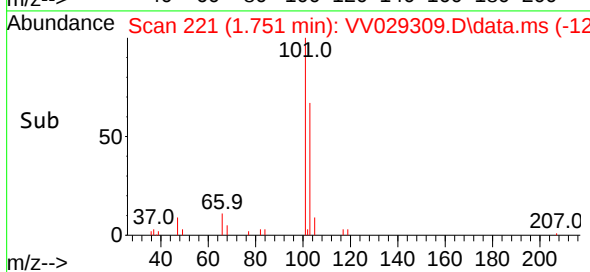
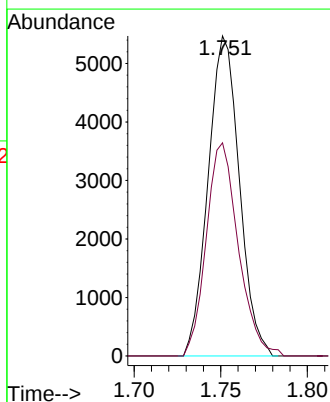
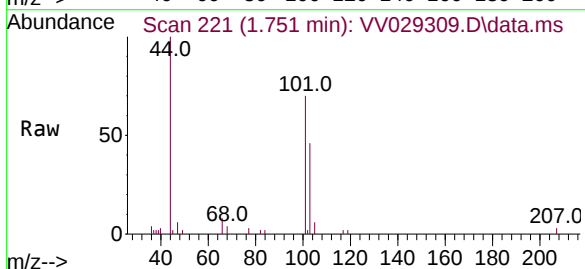
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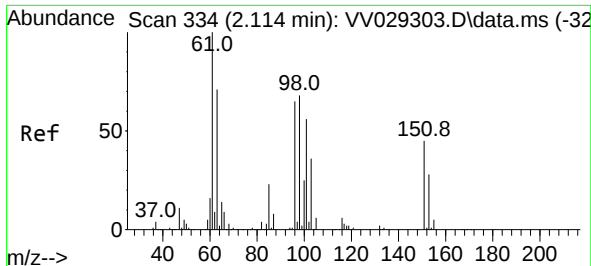
Tgt Ion: 101 Resp: 6866

Ion Ratio Lower Upper

101 100

103 68.1 51.8 77.8

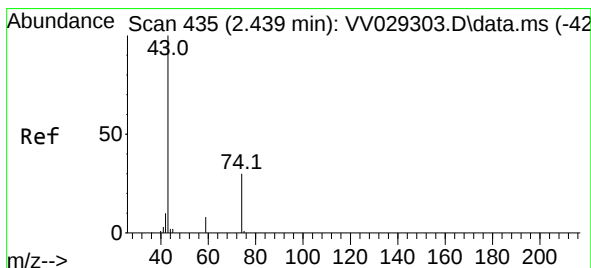
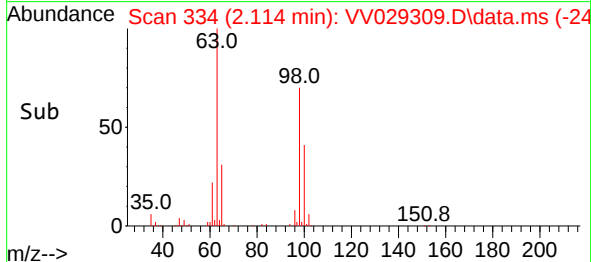
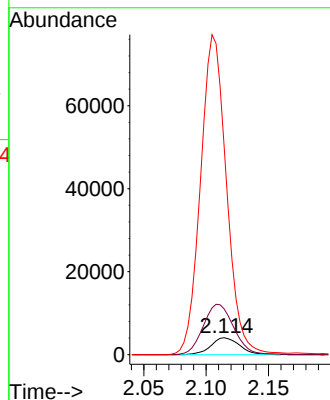
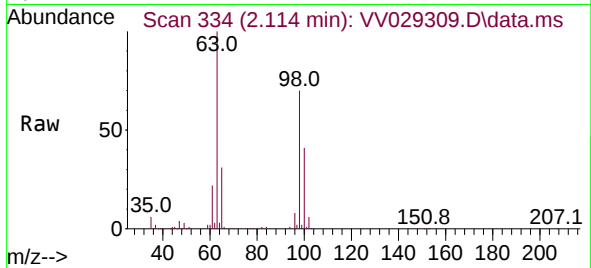




#12
1,1-Dichloroethene
Concen: 0.439 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

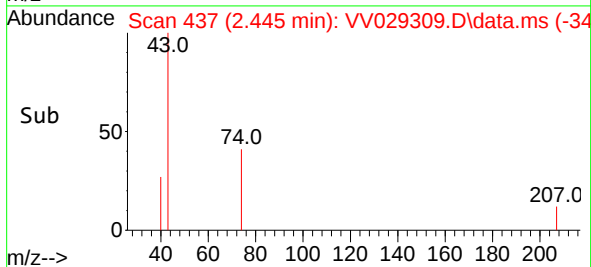
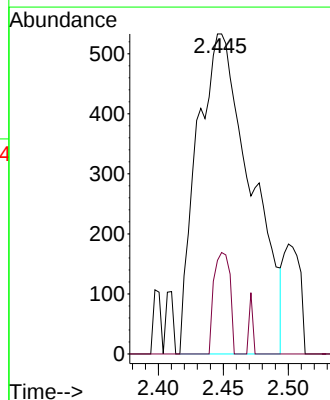
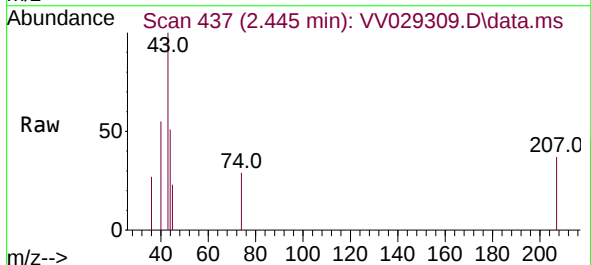
Instrument :
MSVOA_V
ClientSampleId :

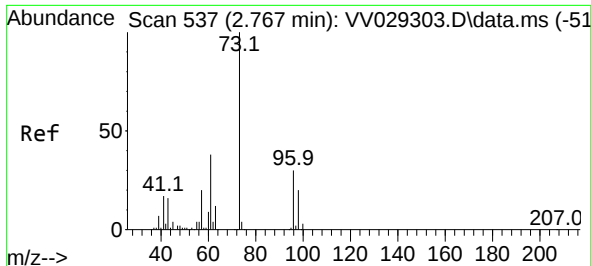
Tgt Ion: 96 Resp: 6528
Ion Ratio Lower Upper
96 100
61 269.9 110.3 204.9#
63 1233.8 84.4 156.8#



#15
Methyl Acetate
Concen: 0.247 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.006 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
74 9.4 19.6 29.4#

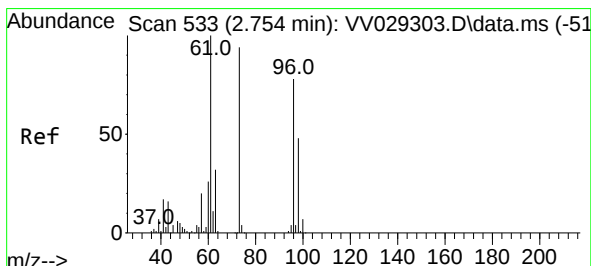
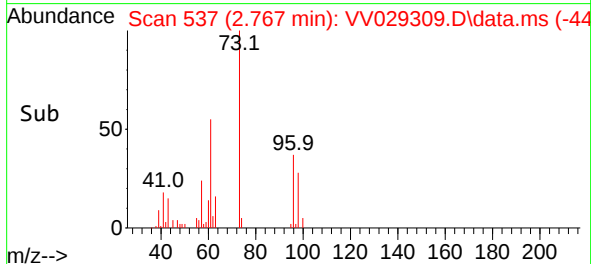
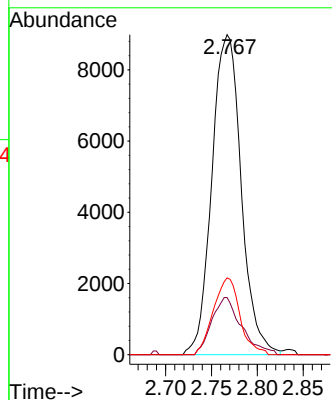
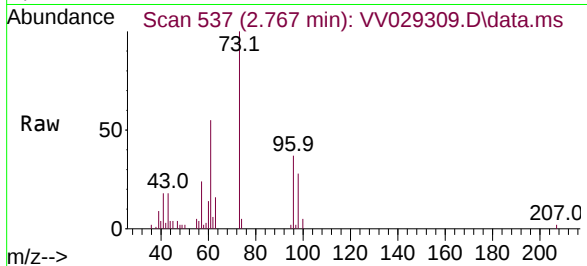




#17
Methyl tert-butyl Ether
Concen: 0.527 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

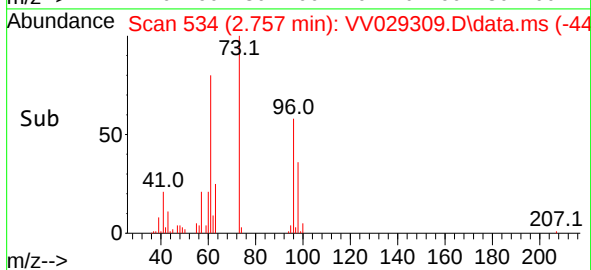
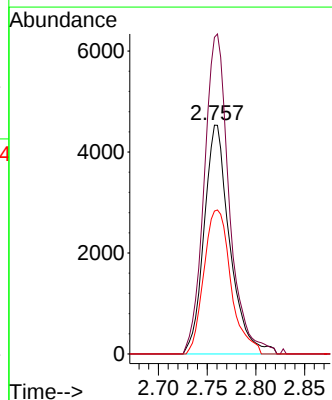
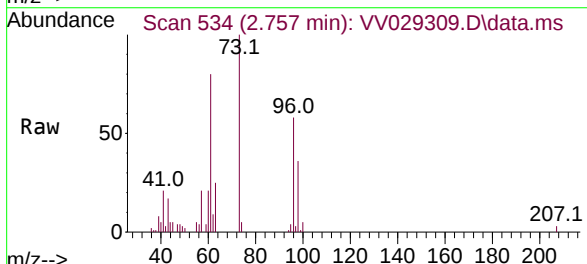
Instrument :
MSVOA_V
ClientSampleId :

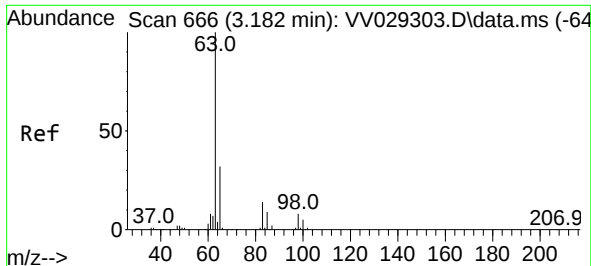
Tgt Ion: 73	Resp: 20028
Ion Ratio	Lower Upper
73 100	
43 18.1	13.2 19.8
57 21.7	16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 0.486 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion: 96	Resp: 8295
Ion Ratio	Lower Upper
96 100	
61 138.4	93.0 172.6
98 62.4	44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.627 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

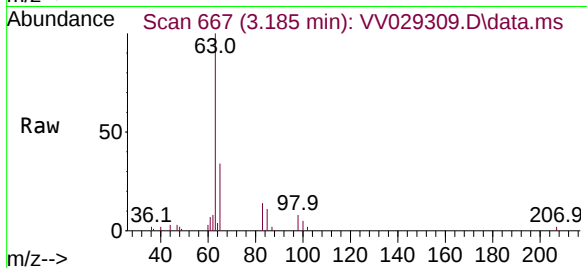
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Acq: 23 Nov 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :



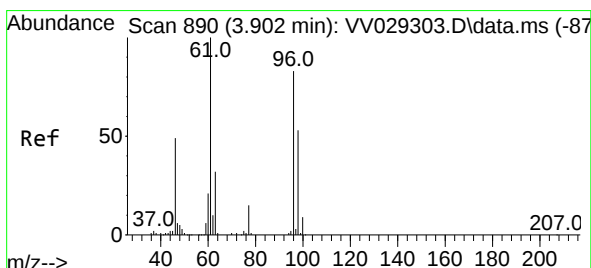
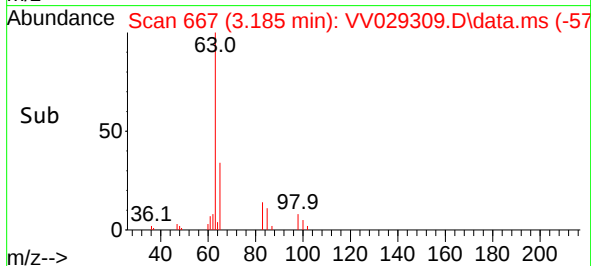
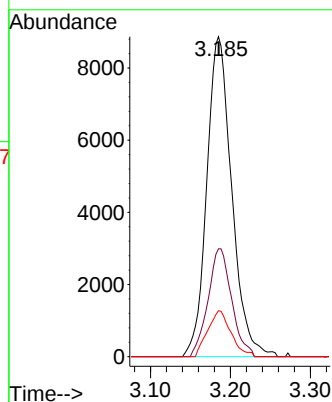
Tgt Ion: 63 Resp: 19266

Ion Ratio Lower Upper

63 100

65 33.7 21.6 40.2

83 14.3 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 2.151 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

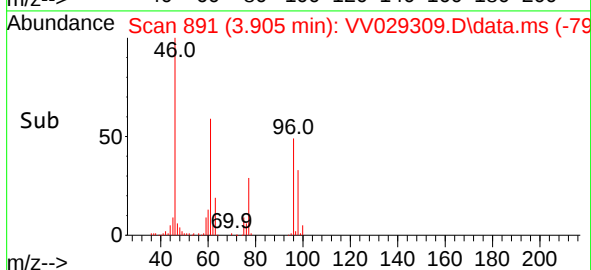
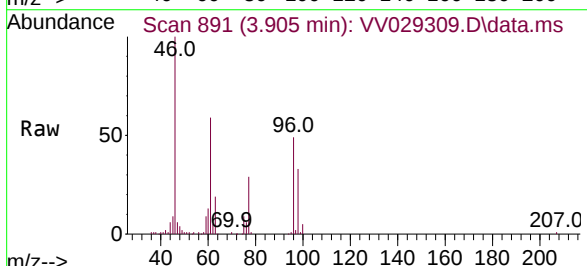
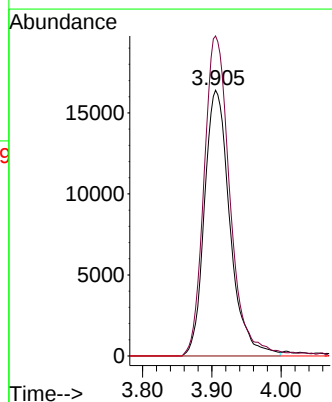
Tgt Ion: 96 Resp: 41977

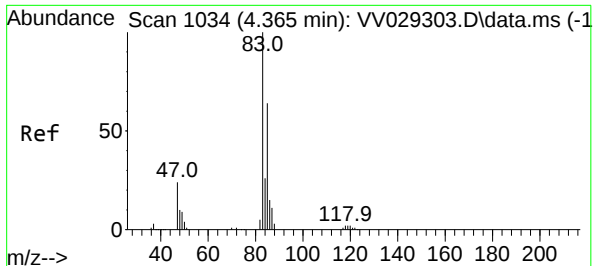
Ion Ratio Lower Upper

96 100

61 120.4 85.8 159.3

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.200 ug/L

RT: 4.371 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

Instrument :

MSVOA_V

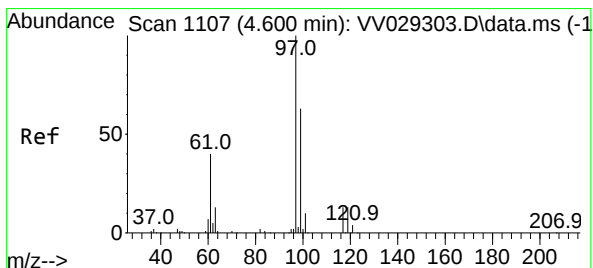
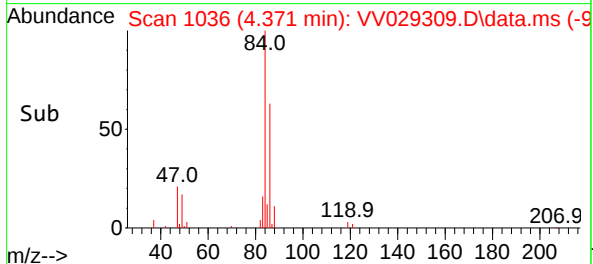
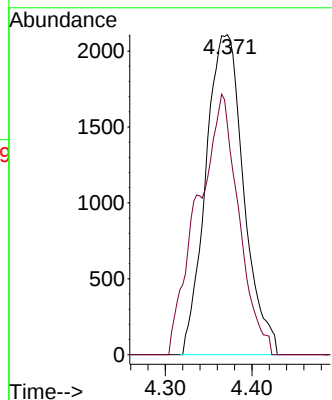
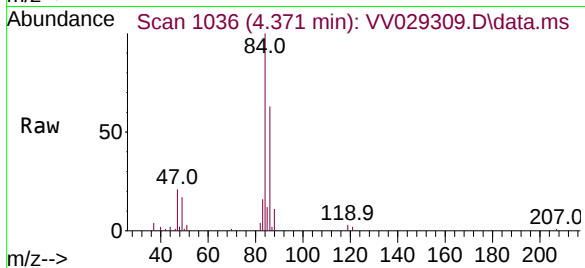
ClientSampleId :

Tgt Ion: 83 Resp: 6408

Ion Ratio Lower Upper

83 100

85 72.3 45.4 84.4



#29

1,1,1-Trichloroethane

Concen: 0.054 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

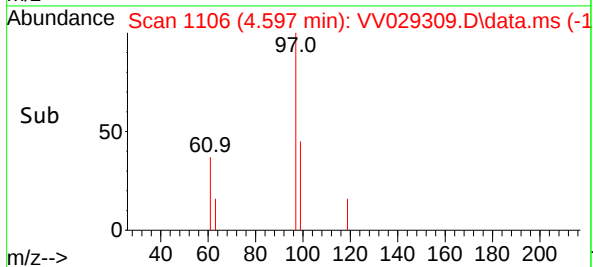
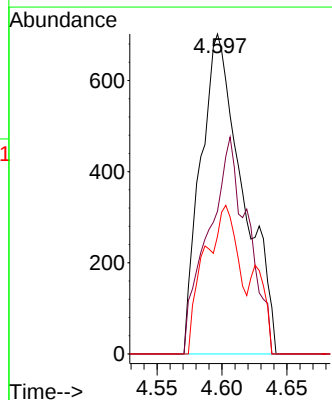
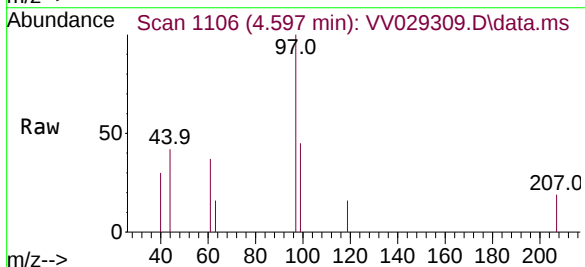
Tgt Ion: 97 Resp: 1587

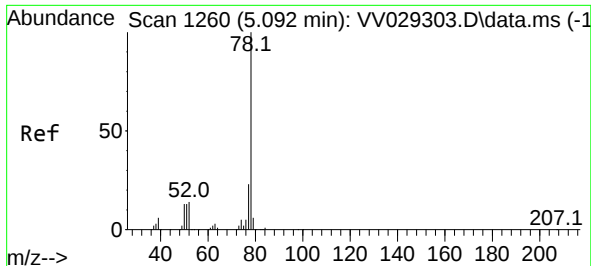
Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 37.7 33.3 49.9

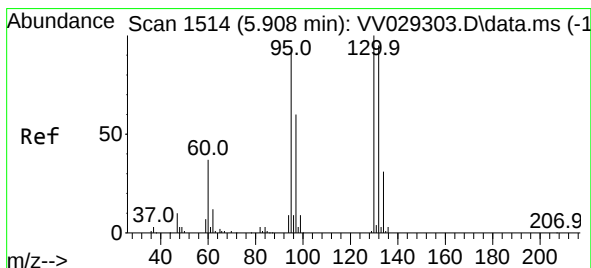
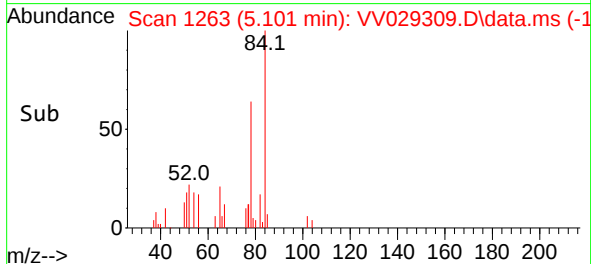
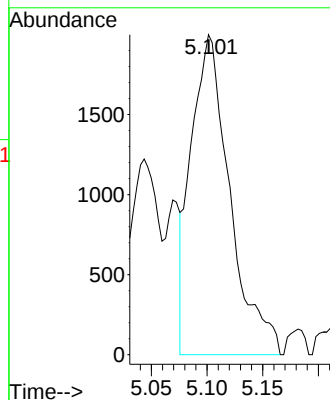
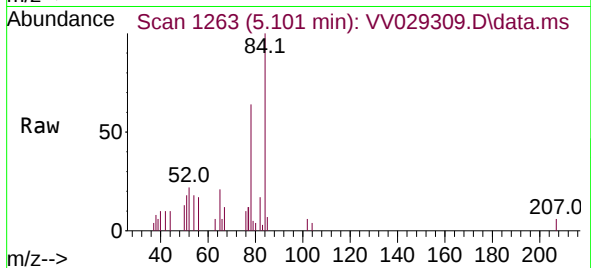




#33
Benzene
Concen: 0.064 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Instrument :
MSVOA_V
ClientSampleId :

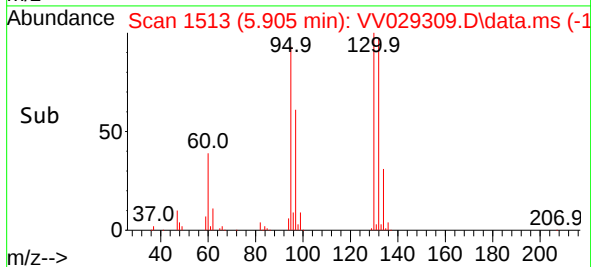
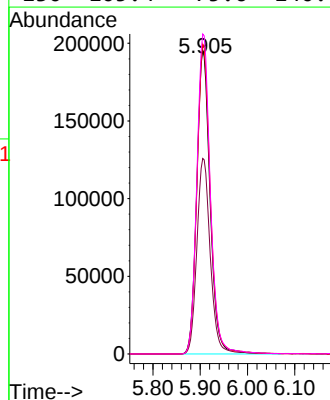
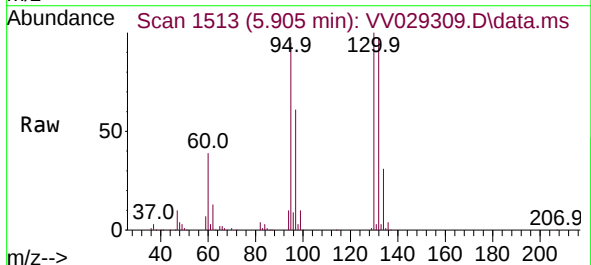
Tgt Ion: 78 Resp: 4833

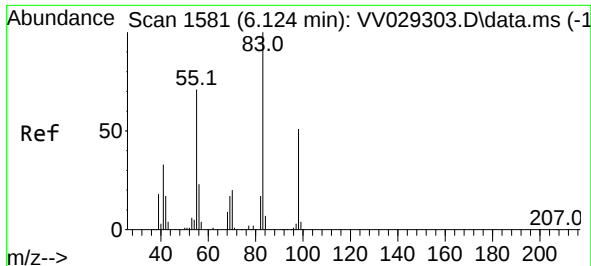


#34
Trichloroethene
Concen: 19.790 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion: 95 Resp: 383790

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.4
132	102.1	73.3	136.1
130	105.4	75.6	140.4

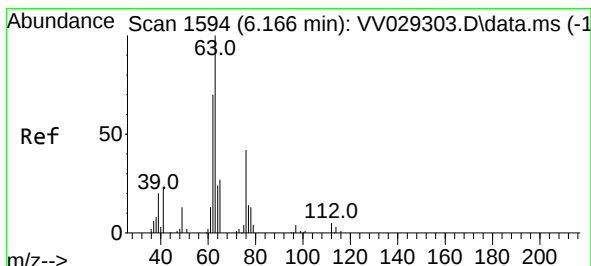
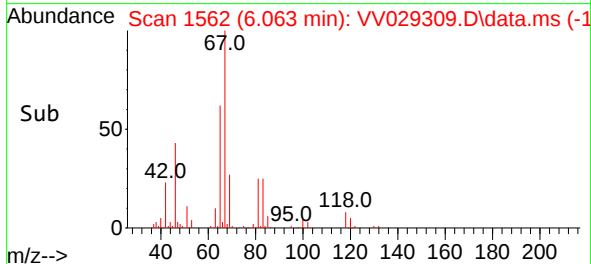
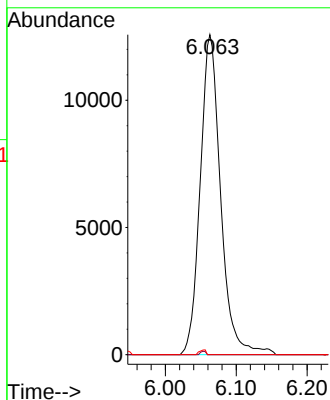
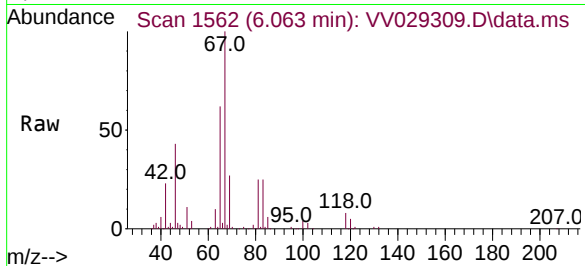




#35
Methylcyclohexane
Concen: 0.769 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

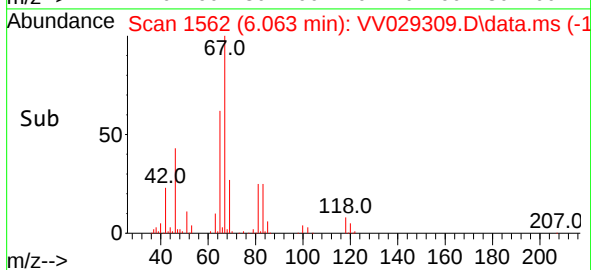
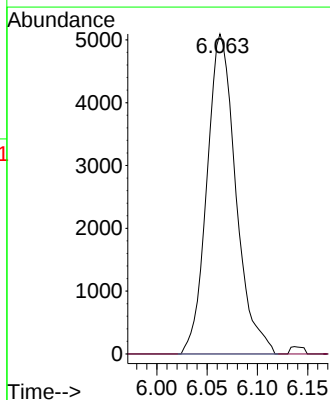
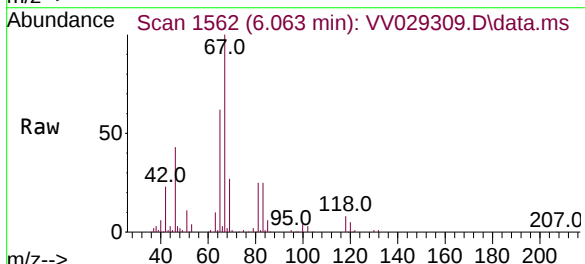
Instrument :
MSVOA_V
ClientSampleId :

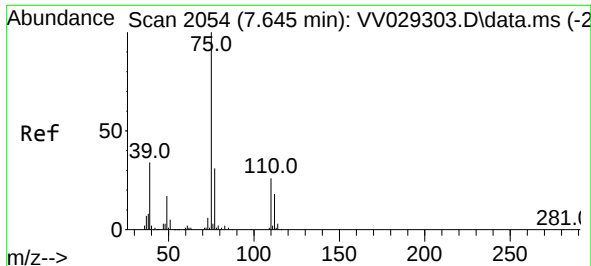
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	55.4	83.2#
98	0.0	39.4	59.2#



#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#

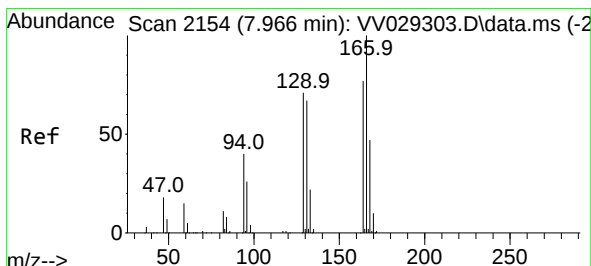
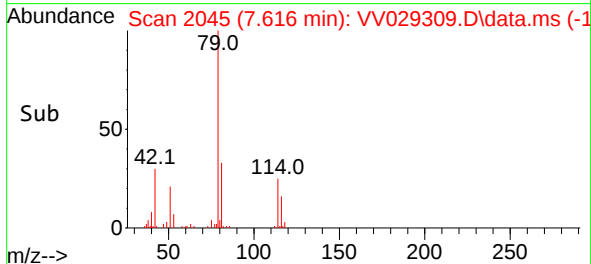
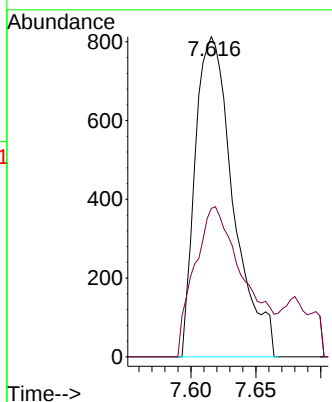
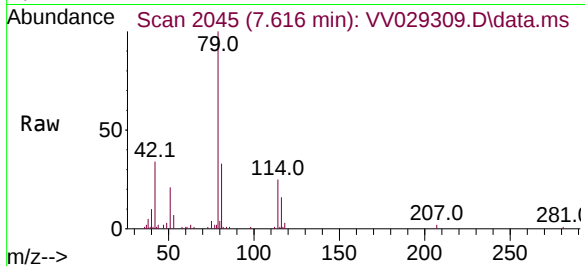




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.616 min Scan# 2054
Delta R.T. -0.029 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

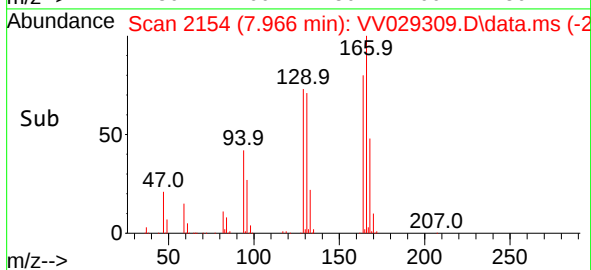
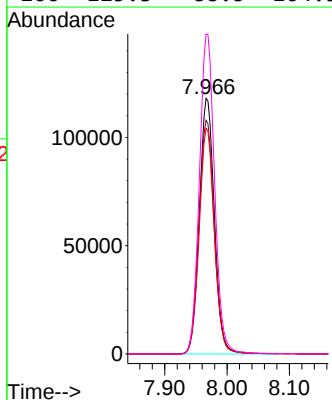
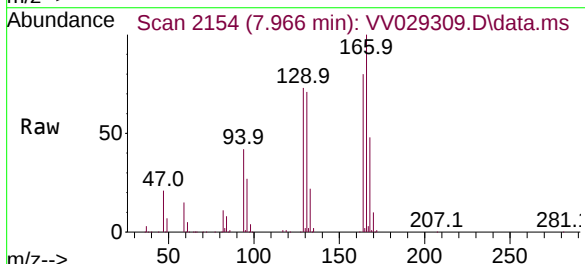
Instrument :
MSVOA_V
ClientSampleId :

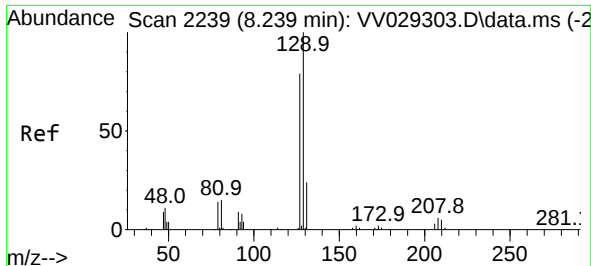
Tgt Ion: 75 Resp: 1657
Ion Ratio Lower Upper
75 100
77 46.4 22.4 41.6#



#47
Tetrachloroethene
Concen: 12.565 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion:164 Resp: 199746
Ion Ratio Lower Upper
164 100
129 91.5 61.7 114.7
131 88.3 62.9 116.9
166 125.3 88.5 164.3





#49

Dibromochloromethane

Concen: 12.896 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.273 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

Instrument :

MSVOA_V

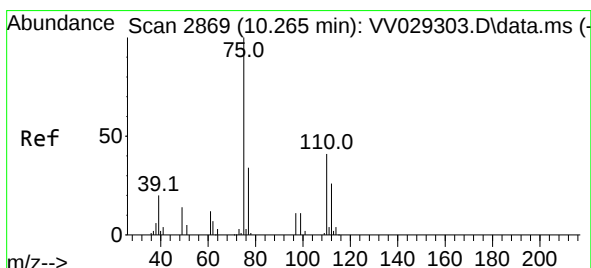
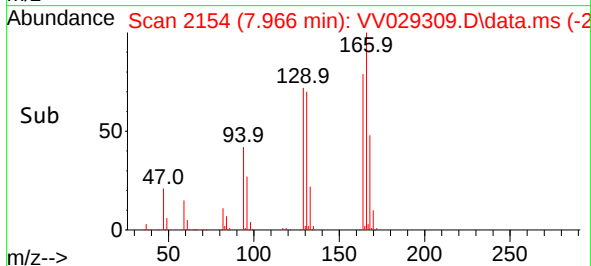
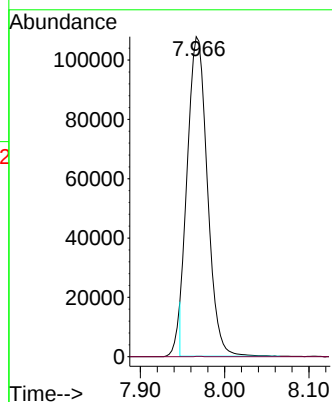
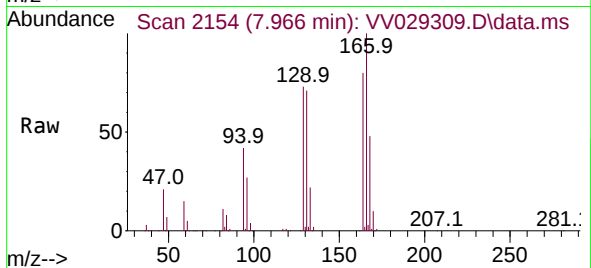
ClientSampleId :

Tgt Ion:129 Resp: 175881

Ion Ratio Lower Upper

129 100

127 0.1 53.1 98.7#



#61

1,2,3-Trichloropropane

Concen: 1.744 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.974 min

Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

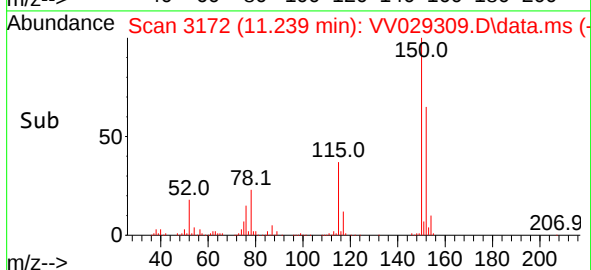
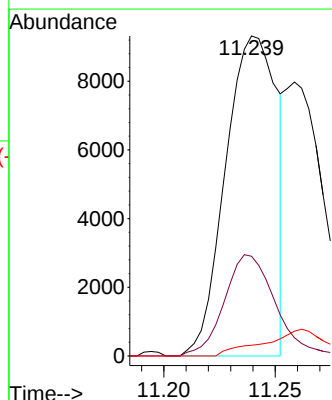
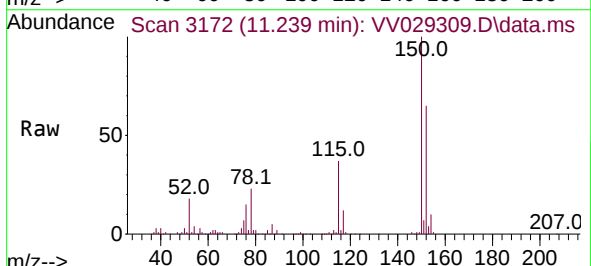
Tgt Ion: 75 Resp: 14927

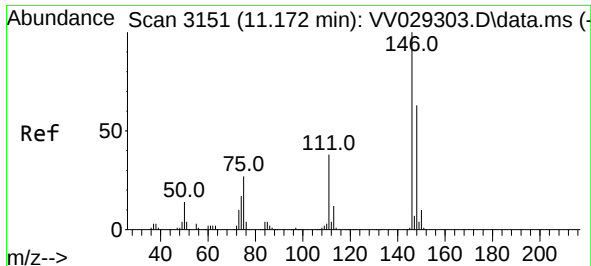
Ion Ratio Lower Upper

75 100

77 31.3 26.7 40.1

110 9.5 32.2 48.4#

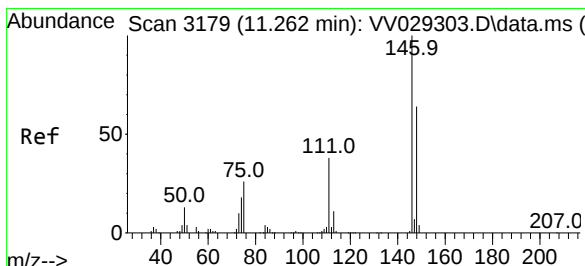
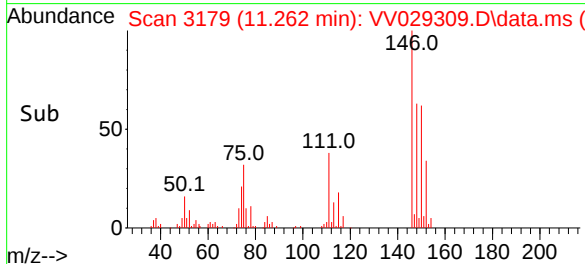
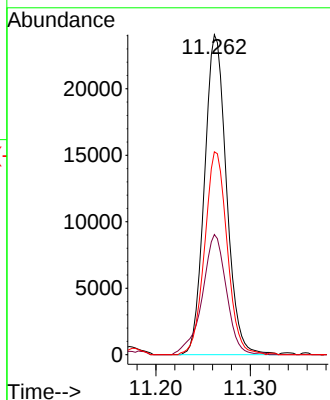
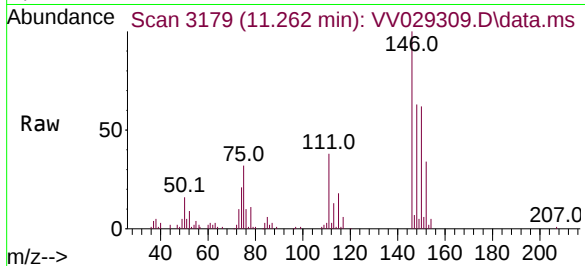




#64
1,3-Dichlorobenzene
Concen: 1.044 ug/L
RT: 11.262 min Scan# 3151
Delta R.T. 0.090 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

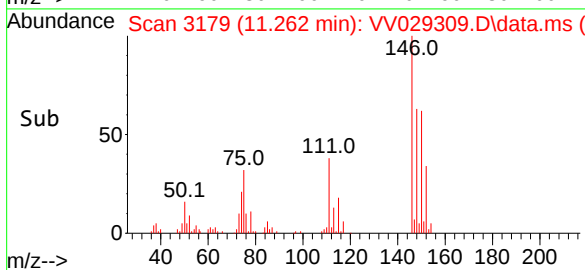
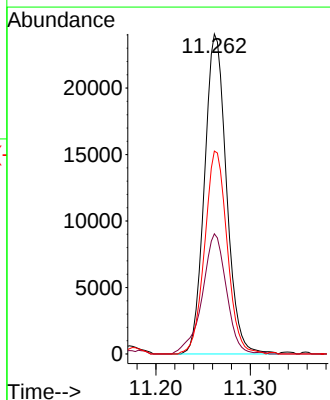
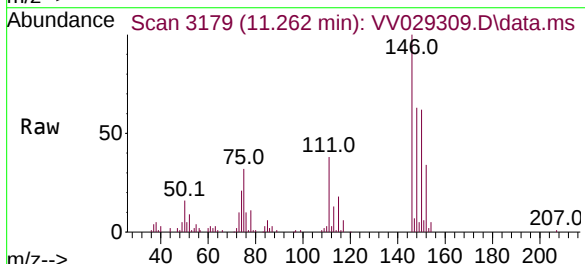
Instrument :
MSVOA_V
ClientSampleId :

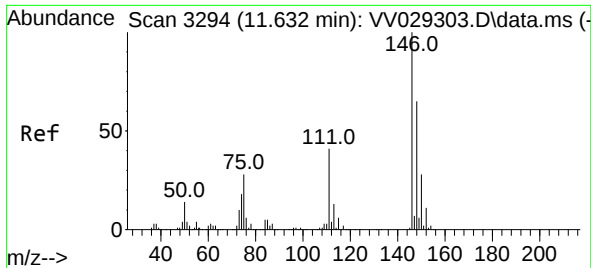
Tgt Ion:146 Resp: 38858
Ion Ratio Lower Upper
146 100
111 37.5 26.3 48.9
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 1.055 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029309.D
Acq: 23 Nov 2022 21:28

Tgt Ion:146 Resp: 38858
Ion Ratio Lower Upper
146 100
111 37.5 26.0 48.4
148 63.4 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 0.848 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.003 min

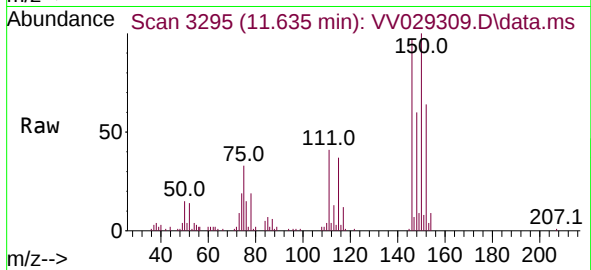
Lab File: VV029309.D

Acq: 23 Nov 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 29074

Ion Ratio Lower Upper

146 100

111 42.1 33.5 50.3

148 62.1 50.7 76.1

