

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029329.D
 Acq On : 24 Nov 2022 06:03
 Operator : SY/MD
 Sample : N5694-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 04:08:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	264383	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	233386	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	117723	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88840	5.460	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 109.200%	
7) Chloroethane-d5	1.568	69	70231	5.897	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 118.000%	
11) 1,1-Dichloroethene-d2	2.105	63	113471	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 87.200%	
20) 2-Butanone-d5	3.886	46	166417	61.142	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	= 122.280%	
24) Chloroform-d	4.339	84	157337	5.418	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 108.400%	
26) 1,2-Dichloroethane-d4	5.027	65	73720	5.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 115.400%	
32) Benzene-d6	5.043	84	356341	5.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 110.400%	
36) 1,2-Dichloropropane-d6	6.063	67	103429	5.706	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 114.200%	
41) Toluene-d8	7.310	98	325311	5.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 106.800%	
43) trans-1,3-Dichloroprop...	7.616	79	34321	4.912	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 98.200%	
46) 2-Hexanone-d5	8.082	63	134800	54.117	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 108.240%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	65234	5.833	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 116.600%	
66) 1,2-Dichlorobenzene-d4	11.612	152	116840	5.681	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 113.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	6074	0.308	ug/L	94
3) Chloromethane	1.243	50	1236	0.068	ug/L	93
5) Vinyl chloride	1.310	62	928	0.052	ug/L #	1
8) Chloroethane	1.584	64	1266	0.118	ug/L	87
12) 1,1-Dichloroethene	2.118	96	13563	0.998	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	1331	0.038	ug/L #	37
19) 1,1-Dichloroethane	3.185	63	83017	2.956	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	105806	5.929	ug/L	99
27) 1,2-Dichloroethane	5.095	62	2274	0.143	ug/L #	72
33) Benzene	5.092	78	398216	5.705	ug/L	100
34) Trichloroethene	5.912	95	12516	0.703	ug/L	88
37) 1,2-Dichloropropane	6.063	63	10884	0.662	ug/L #	85
44) trans-1,3-Dichloropropene	7.616	75	1452	0.076	ug/L #	59
45) 1,1,2-Trichloroethane	7.693	97	11771	1.057	ug/L #	18
51) Chlorobenzene	8.873	112	3262	0.070	ug/L	93
53) m,p-Xylene	9.130	106	5500	0.179	ug/L	96
54) o-Xylene	9.535	106	17401	0.575	ug/L	84
60) Isopropylbenzene	9.921	105	696618	9.152	ug/L	100
61) 1,2,3-Trichloropropane	9.921	75	7484	0.917	ug/L #	1

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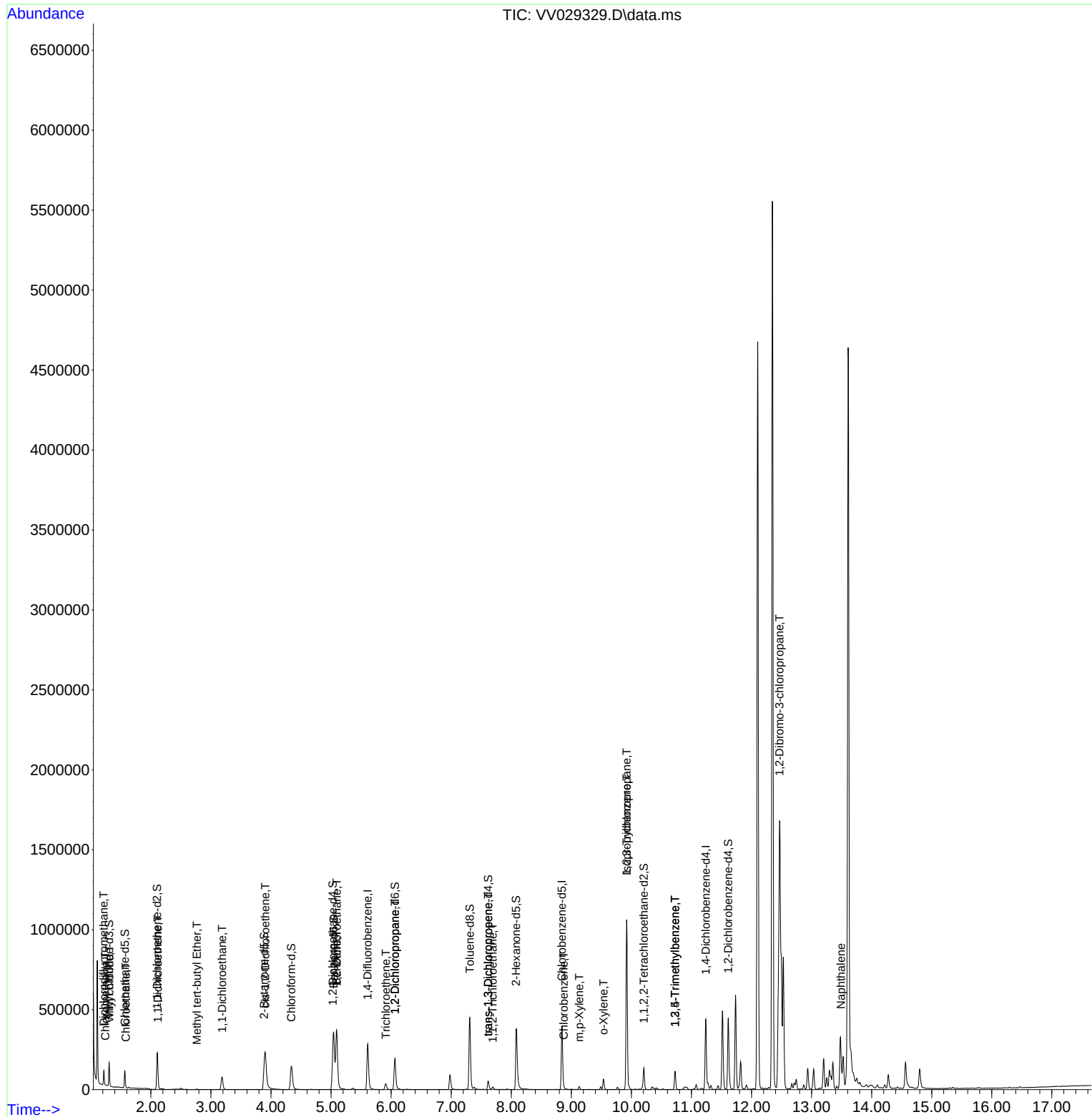
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.728	105	72055	1.093	ug/L #	72
63) 1,2,4-Trimethylbenzene	10.728	105	72055	1.087	ug/L #	76
68) 1,2-Dibromo-3-chloropr...	12.468	75	50542	31.520	ug/L #	1
71) Naphthalene	13.490	128	65733	3.203	ug/L	96

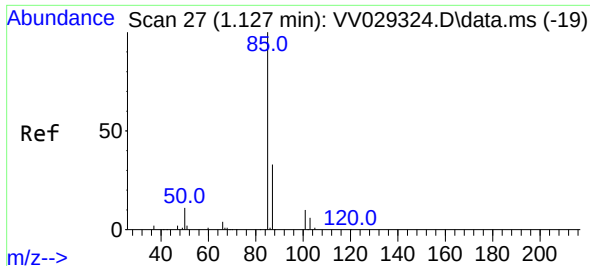
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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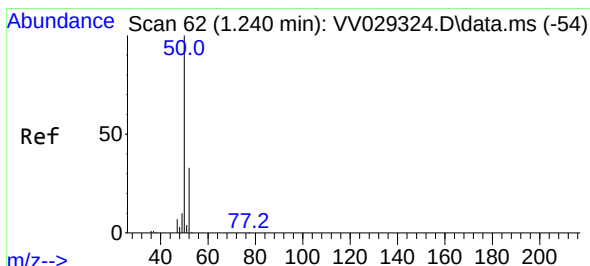
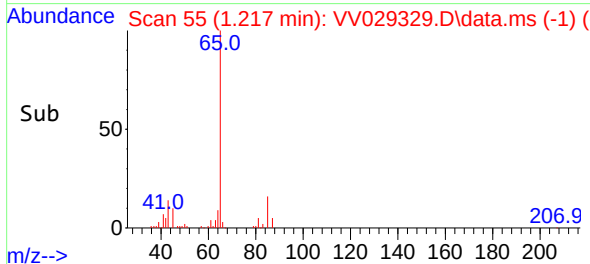
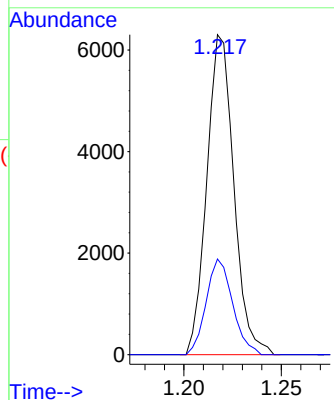
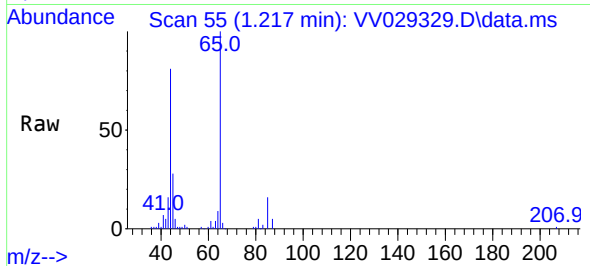




#2
Dichlorodifluoromethane
Concen: 0.308 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.090 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

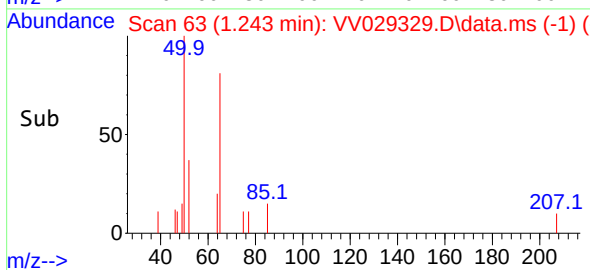
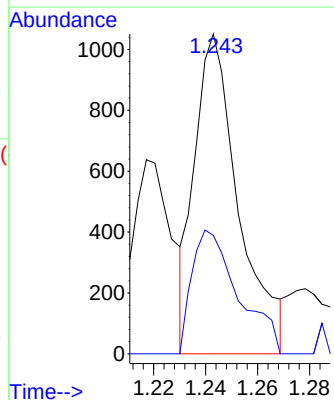
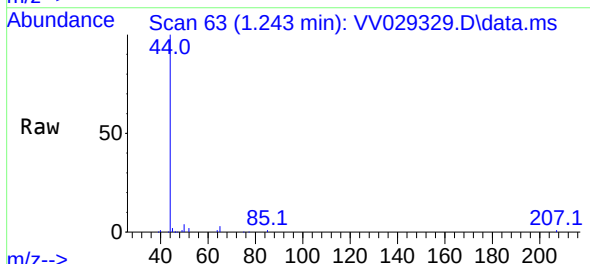
Instrument :
MSVOA_V
ClientSampleId :

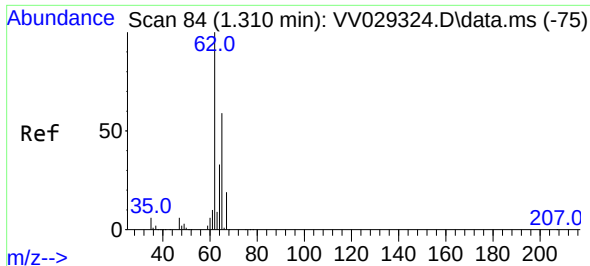
Tgt Ion: 85 Resp: 6074
Ion Ratio Lower Upper
85 100
87 29.3 26.2 39.4



#3
Chloromethane
Concen: 0.068 ug/L
RT: 1.243 min Scan# 63
Delta R.T. 0.003 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

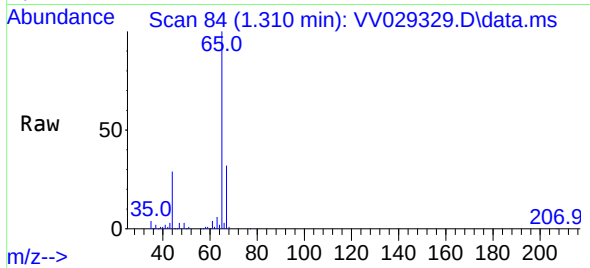
Tgt Ion: 50 Resp: 1236
Ion Ratio Lower Upper
50 100
52 37.0 23.2 43.2



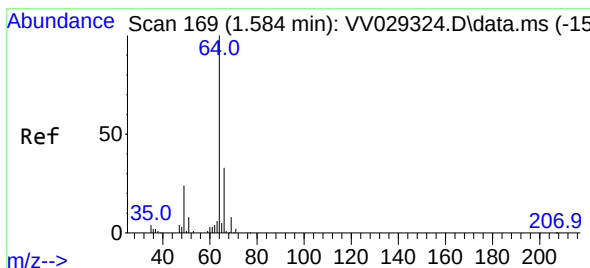
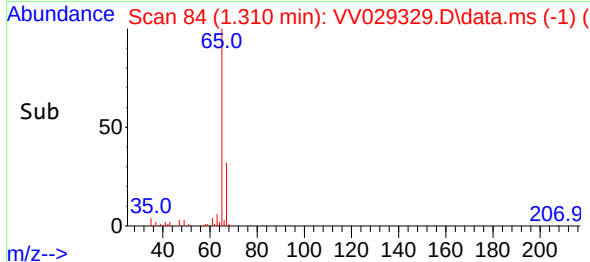
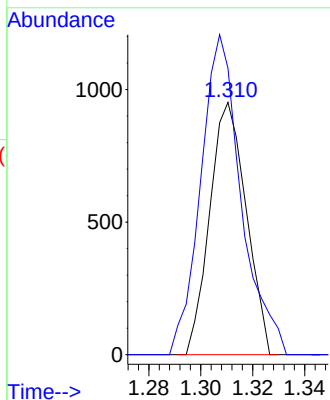


#5
 Vinyl chloride
 Concen: 0.052 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029329.D
 Acq: 24 Nov 2022 06:03

Instrument :
 MSVOA_V
 ClientSampleId :

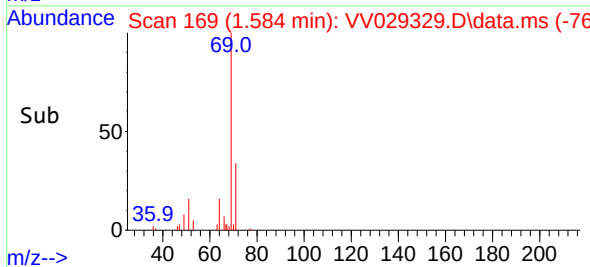
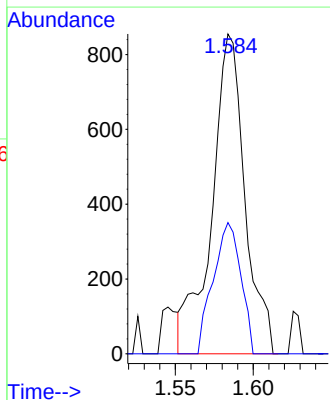
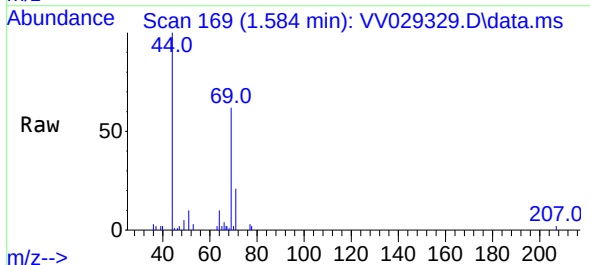


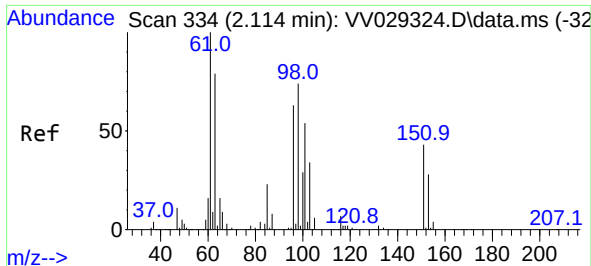
Tgt Ion: 62 Resp: 928
 Ion Ratio Lower Upper
 62 100
 64 113.6 23.4 43.4#



#8
 Chloroethane
 Concen: 0.118 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. -0.000 min
 Lab File: VV029329.D
 Acq: 24 Nov 2022 06:03

Tgt Ion: 64 Resp: 1266
 Ion Ratio Lower Upper
 64 100
 66 41.1 23.5 43.7





#12

1,1-Dichloroethene

Concen: 0.998 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

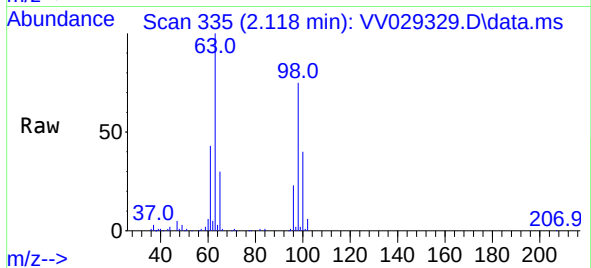
Lab File: VV029329.D

Acq: 24 Nov 2022 06:03

Instrument :

MSVOA_V

ClientSampleId :



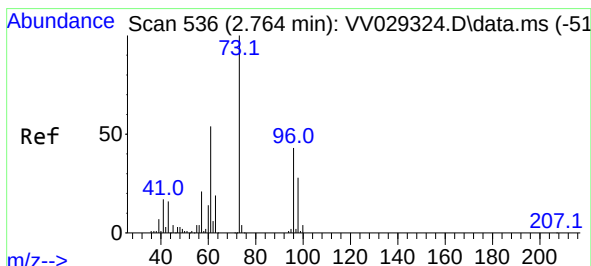
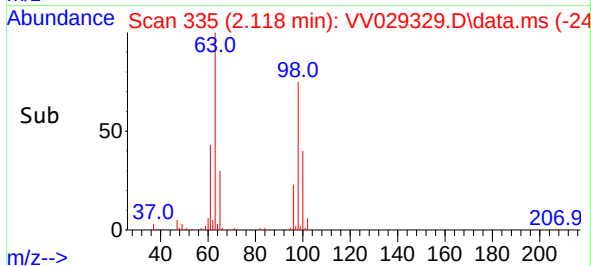
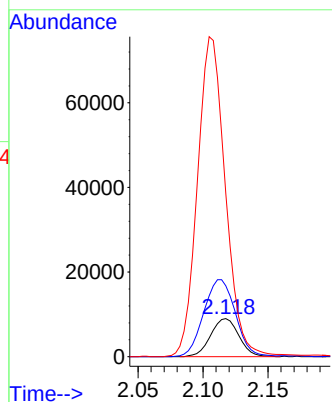
Tgt Ion: 96 Resp: 13563

Ion Ratio Lower Upper

96 100

61 185.6 110.3 204.9

63 427.9 84.4 156.8#



#17

Methyl tert-butyl Ether

Concen: 0.038 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.003 min

Lab File: VV029329.D

Acq: 24 Nov 2022 06:03

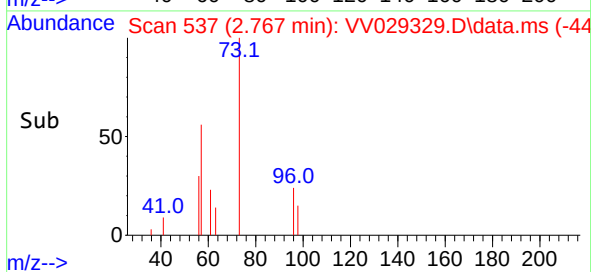
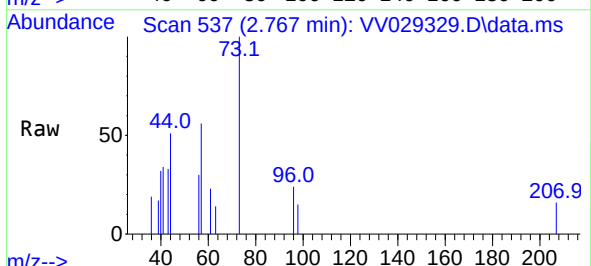
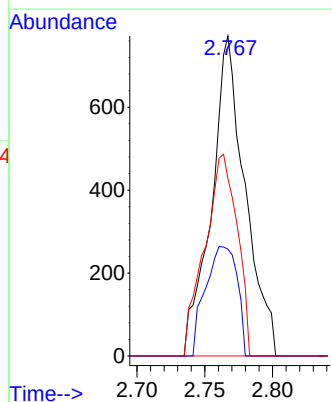
Tgt Ion: 73 Resp: 1331

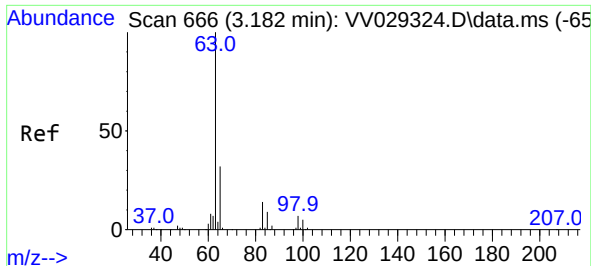
Ion Ratio Lower Upper

73 100

43 32.2 13.2 19.8#

57 60.8 16.9 25.3#





#19

1,1-Dichloroethane

Concen: 2.956 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

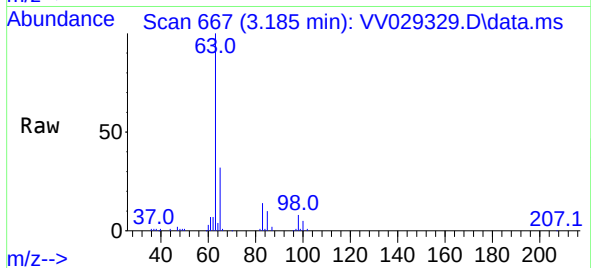
Lab File: VV029329.D

Acq: 24 Nov 2022 06:03

Instrument :

MSVOA_V

ClientSampleId :



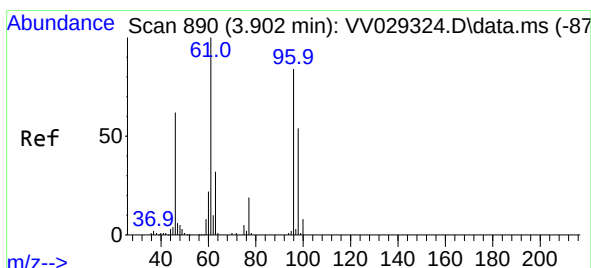
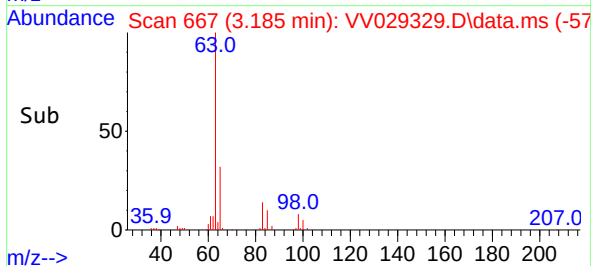
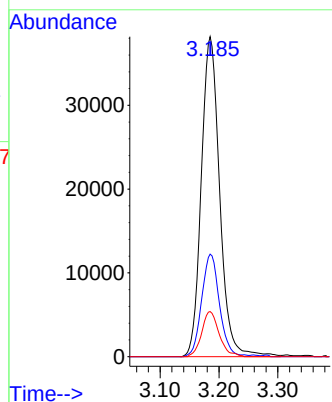
Tgt Ion: 63 Resp: 83017

Ion Ratio Lower Upper

63 100

65 32.1 21.6 40.2

83 14.1 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 5.929 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029329.D

Acq: 24 Nov 2022 06:03

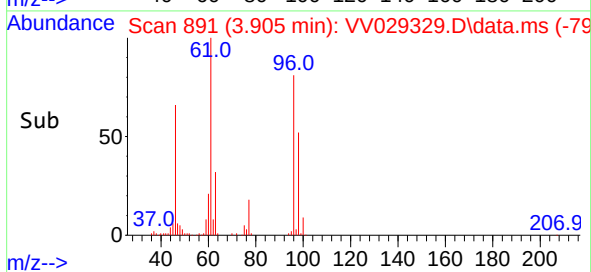
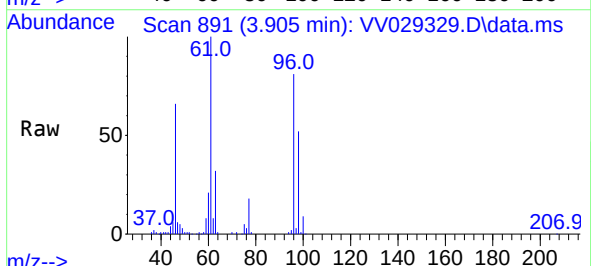
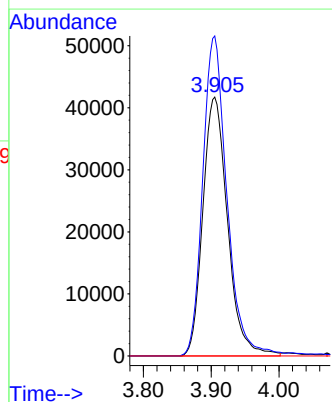
Tgt Ion: 96 Resp: 105806

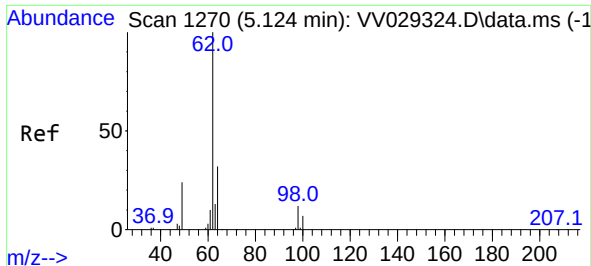
Ion Ratio Lower Upper

96 100

61 123.6 85.8 159.3

68 0.0 0.0 0.0

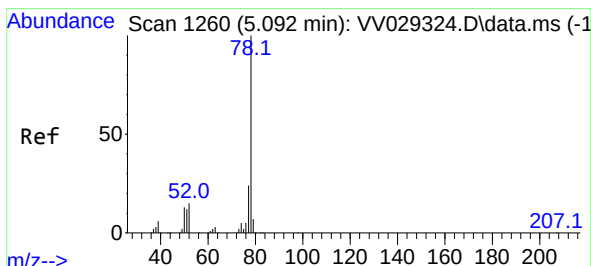
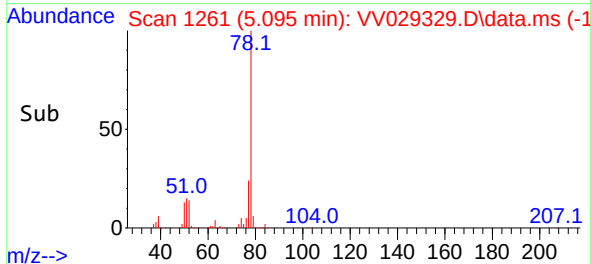
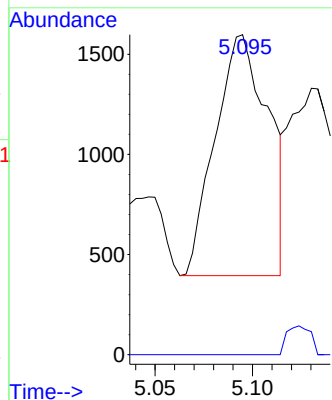
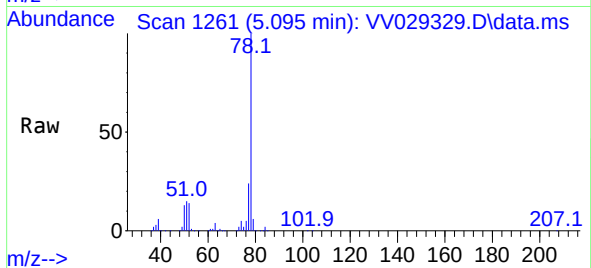




#27
1,2-Dichloroethane
Concen: 0.143 ug/L
RT: 5.095 min Scan# 11
Delta R.T. -0.029 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

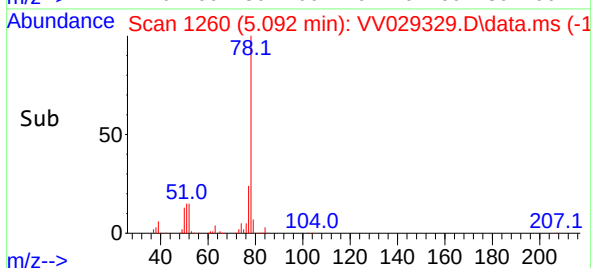
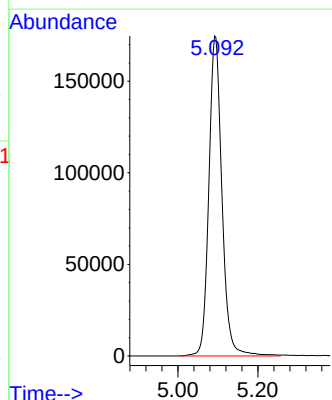
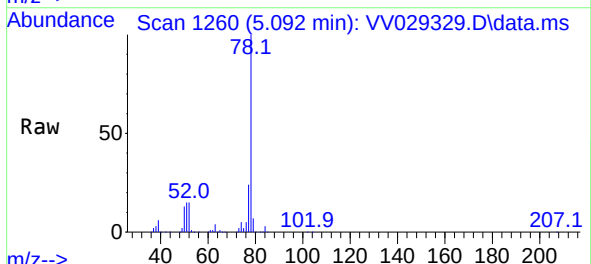
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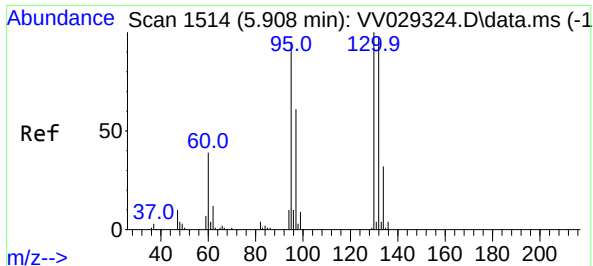
Tgt Ion: 62 Resp: 2274
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#



#33
Benzene
Concen: 5.705 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.000 min
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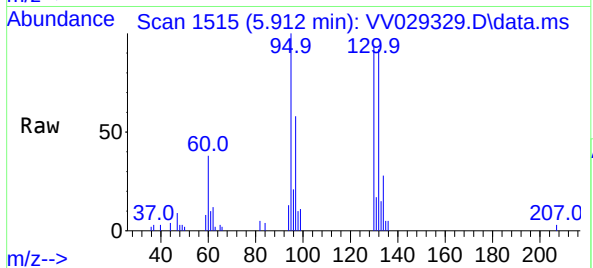
Tgt Ion: 78 Resp: 398216





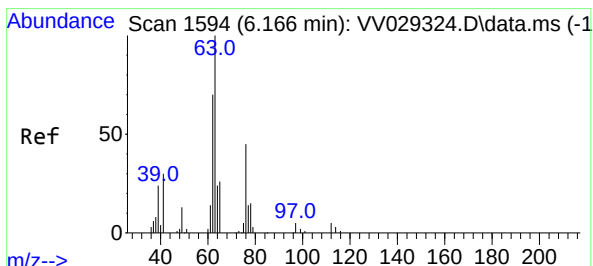
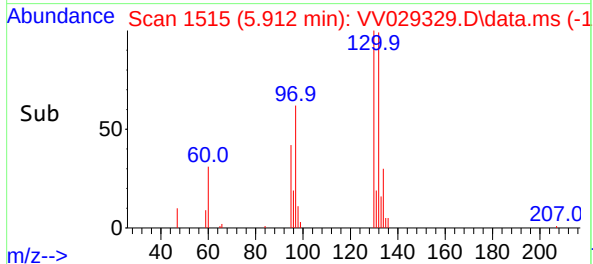
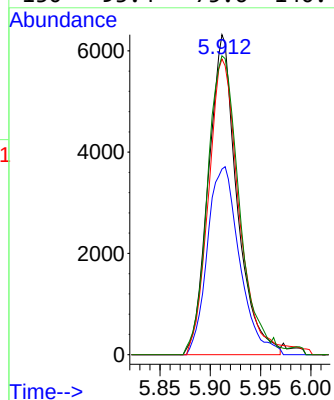
#34
Trichloroethene
Concen: 0.703 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 12516

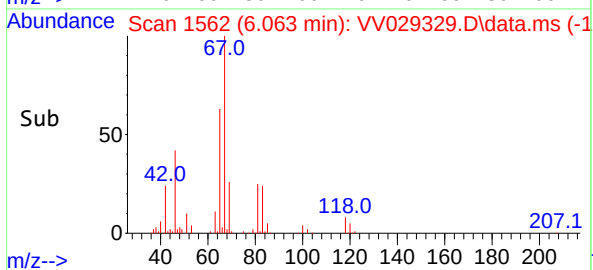
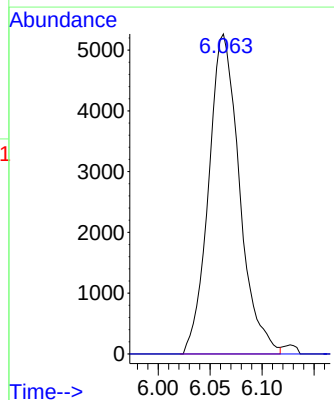
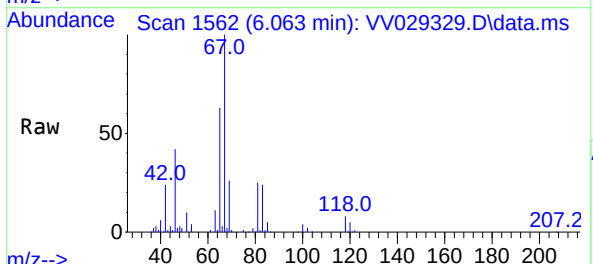
Ion	Ratio	Lower	Upper
95	100		
97	58.0	45.4	84.4
132	92.4	73.3	136.1
130	93.4	75.6	140.4

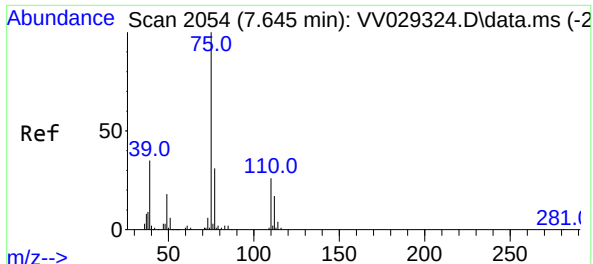


#37
1,2-Dichloropropane
Concen: 0.662 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Tgt Ion: 63 Resp: 10884

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#

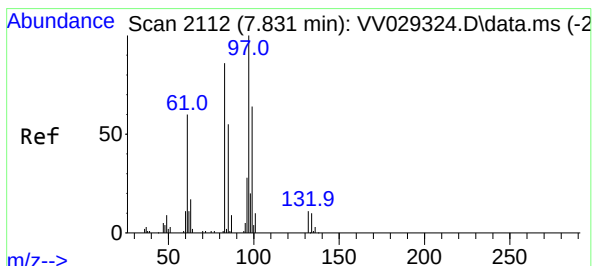
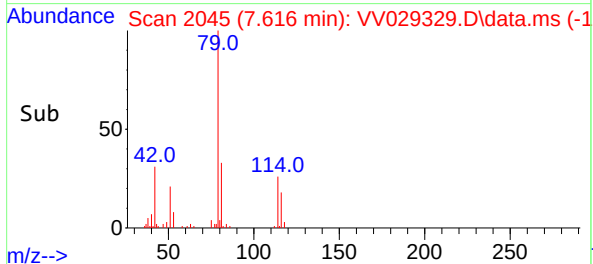
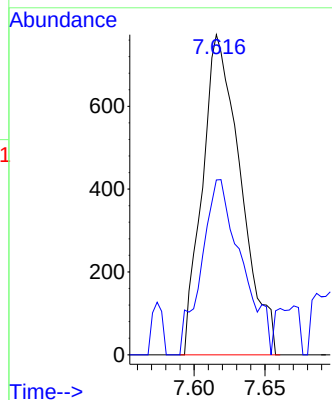
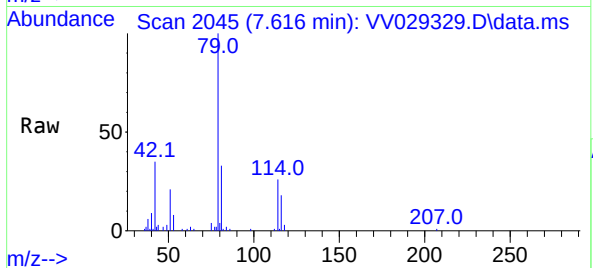




#44
trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.616 min Scan# 2069
Delta R.T. -0.029 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

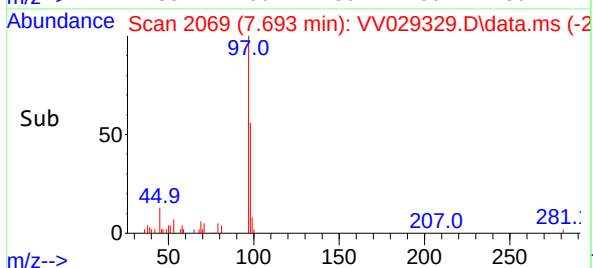
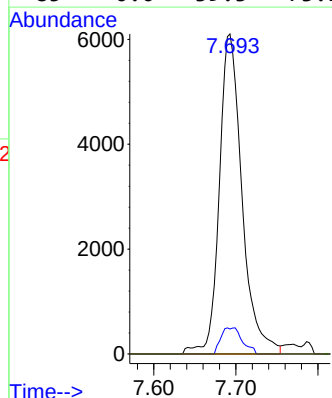
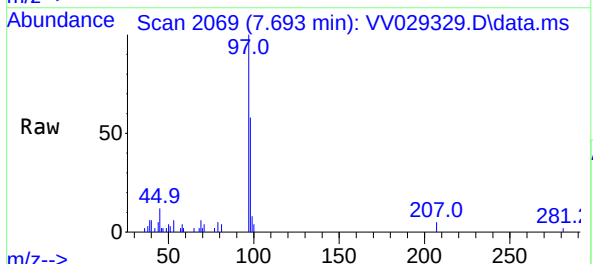
Instrument :
MSVOA_V
ClientSampleId :

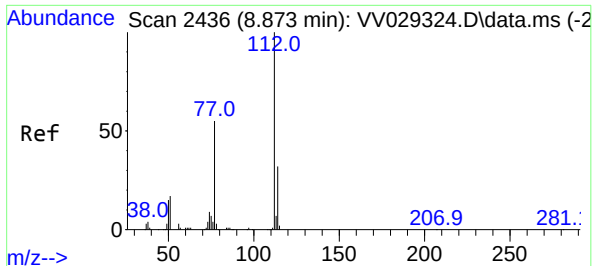
Tgt Ion: 75 Resp: 1452
Ion Ratio Lower Upper
75 100
77 54.6 22.4 41.6#



#45
1,1,2-Trichloroethane
Concen: 1.057 ug/L
RT: 7.693 min Scan# 2069
Delta R.T. -0.138 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Tgt Ion: 97 Resp: 11771
Ion Ratio Lower Upper
97 100
99 7.8 44.4 82.5#
83 0.0 59.5 110.5#
85 0.0 39.3 73.1#

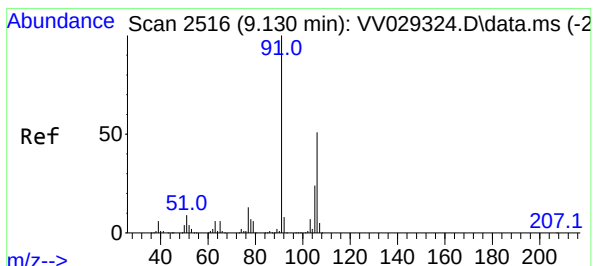
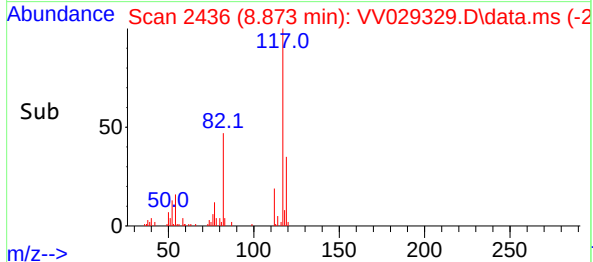
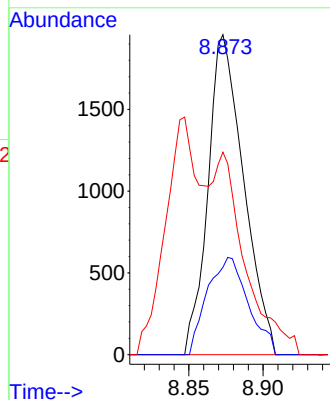
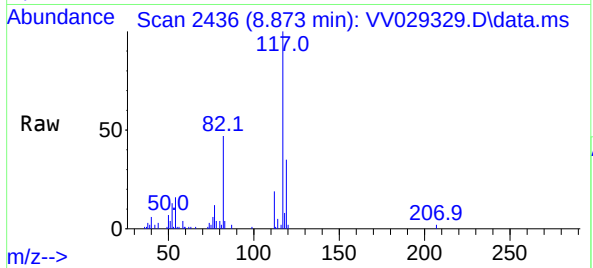




#51
Chlorobenzene
Concen: 0.070 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

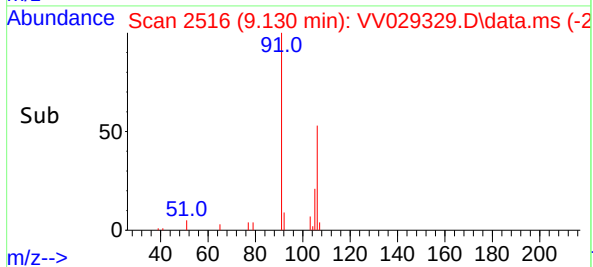
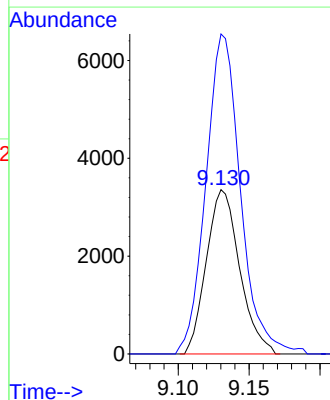
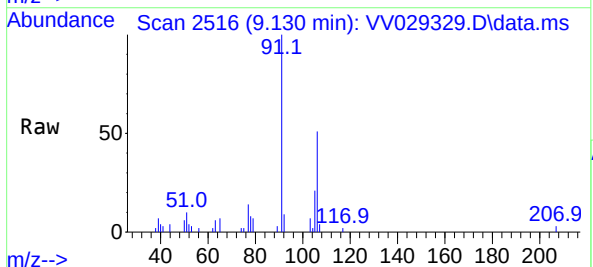
Instrument :
MSVOA_V
ClientSampleId :

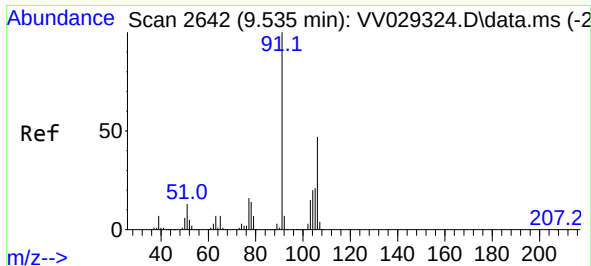
Tgt Ion:112 Resp: 3262
Ion Ratio Lower Upper
112 100
114 25.7 22.9 42.5
77 59.6 45.3 67.9



#53
m,p-Xylene
Concen: 0.179 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Tgt Ion:106 Resp: 5500
Ion Ratio Lower Upper
106 100
91 194.7 140.6 261.2

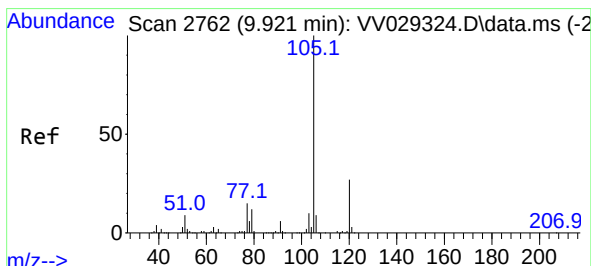
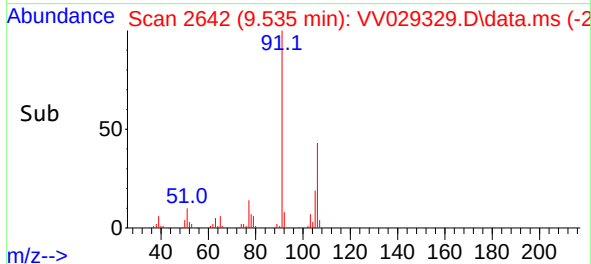
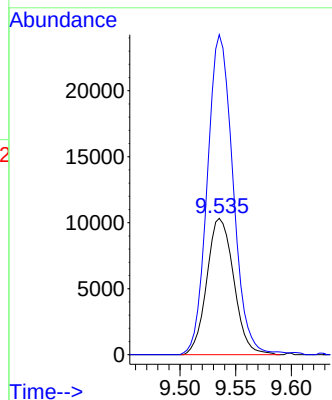
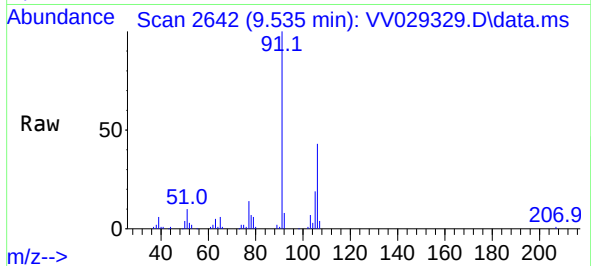




#54
o-Xylene
Concen: 0.575 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

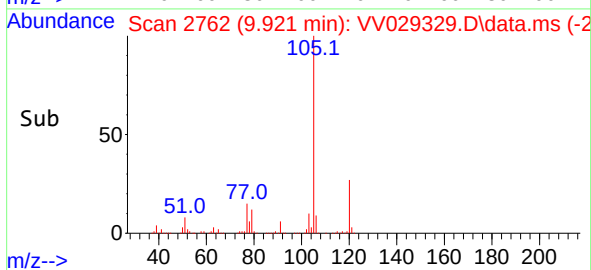
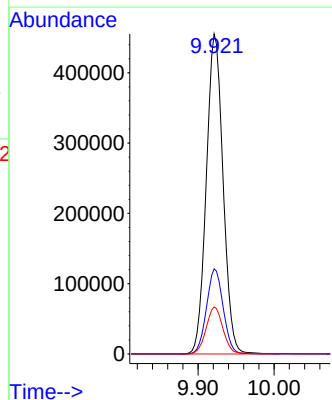
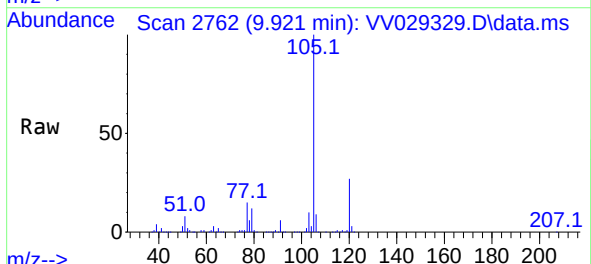
Instrument :
MSVOA_V
ClientSampleId :

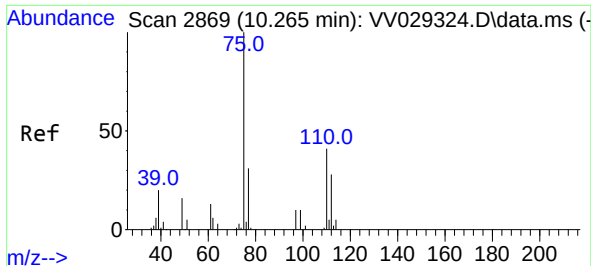
Tgt Ion:106 Resp: 17401
Ion Ratio Lower Upper
106 100
91 234.6 146.9 272.9



#60
Isopropylbenzene
Concen: 9.152 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

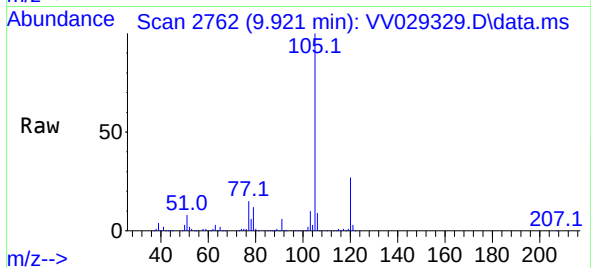
Tgt Ion:105 Resp: 696618
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.2
77 14.9 11.8 17.8



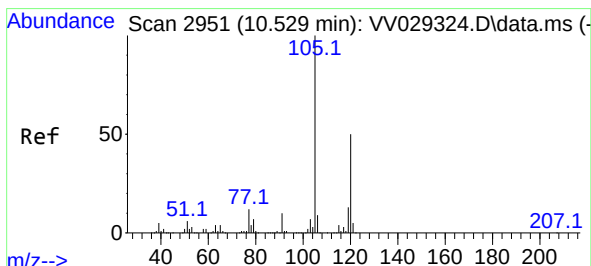
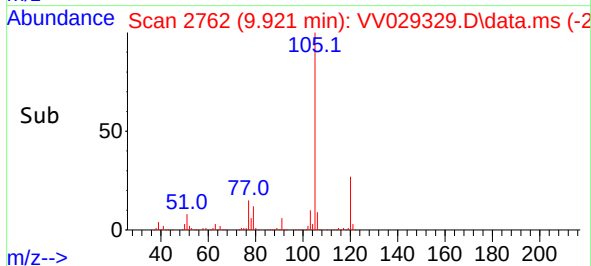
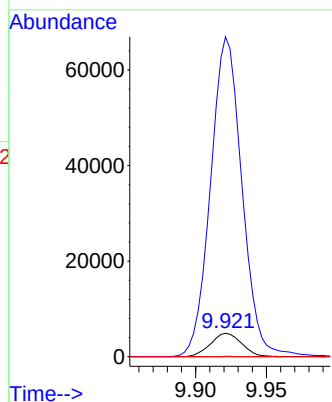


#61
1,2,3-Trichloropropane
Concen: 0.917 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.344 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Instrument :
MSVOA_V
ClientSampleId :

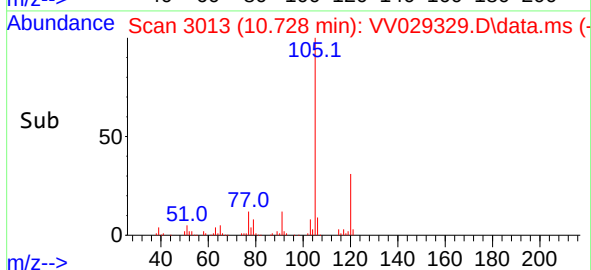
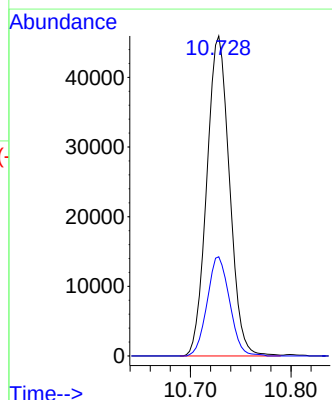
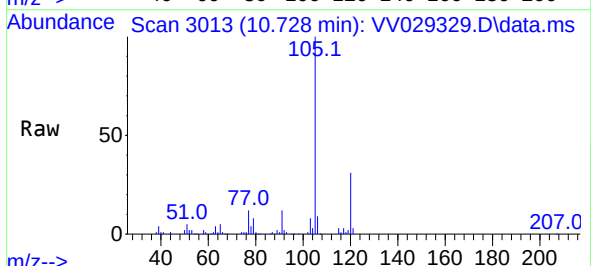


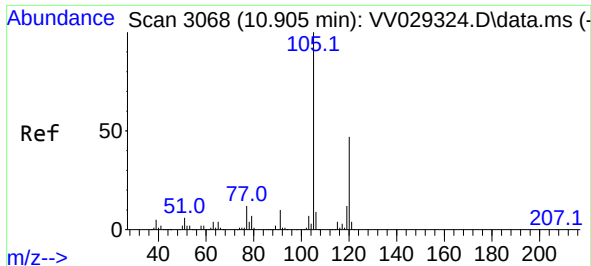
Tgt Ion: 75 Resp: 7484
Ion Ratio Lower Upper
75 100
77 1385.9 26.7 40.1#
110 0.7 32.2 48.4#



#62
1,3,5-Trimethylbenzene
Concen: 1.093 ug/L
RT: 10.728 min Scan# 3013
Delta R.T. 0.199 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Tgt Ion: 105 Resp: 72055
Ion Ratio Lower Upper
105 100
120 30.6 39.6 59.4#

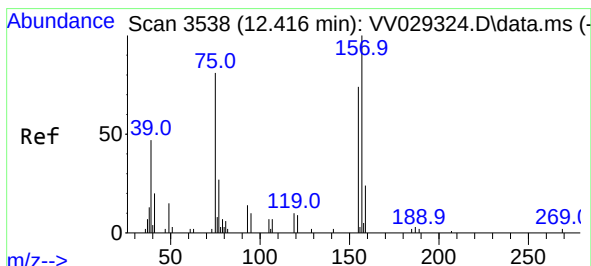
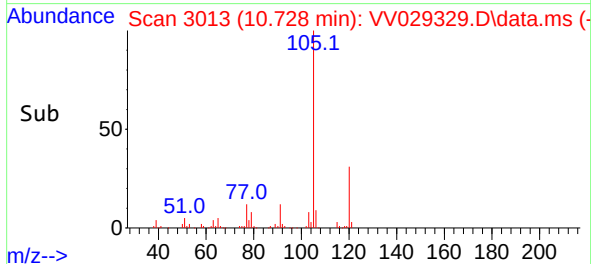
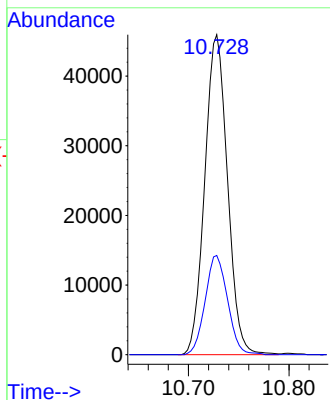
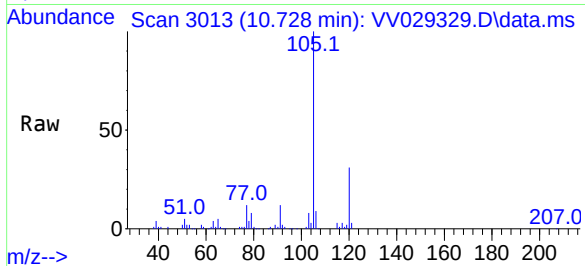




#63
1,2,4-Trimethylbenzene
Concen: 1.087 ug/L
RT: 10.728 min Scan# 3068
Delta R.T. -0.177 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

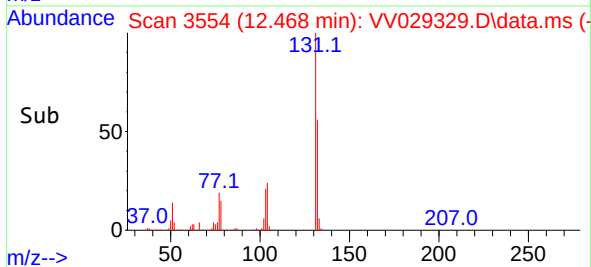
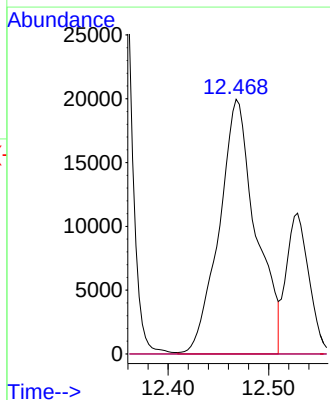
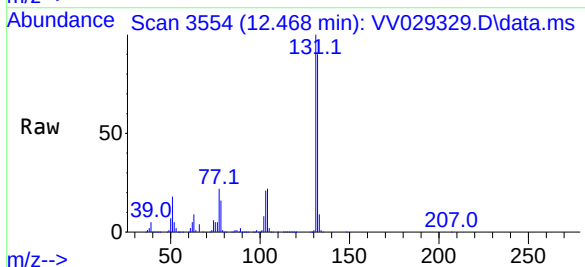
Instrument :
MSVOA_V
ClientSampleId :

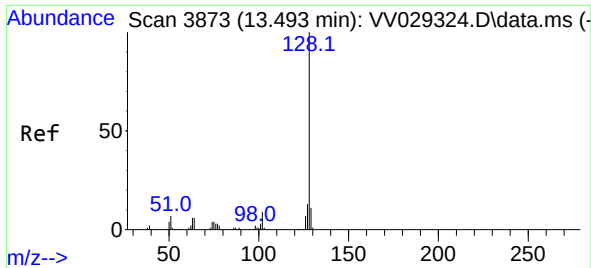
Tgt Ion:105 Resp: 72055
Ion Ratio Lower Upper
105 100
120 30.6 37.2 55.8#



#68
1,2-Dibromo-3-chloropropane
Concen: 31.520 ug/L
RT: 12.468 min Scan# 3554
Delta R.T. 0.051 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

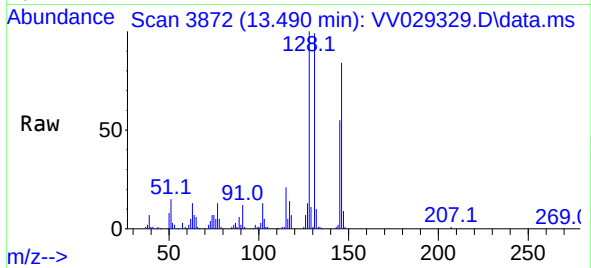
Tgt Ion: 75 Resp: 50542
Ion Ratio Lower Upper
75 100
155 0.0 76.6 115.0#
157 0.0 96.9 145.3#





#71
Naphthalene
Concen: 3.203 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.003 min
Lab File: VV029329.D
Acq: 24 Nov 2022 06:03

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	65733
Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.9	13.3
127	12.3	10.6	15.8

