

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029508.D
 Acq On : 09 Dec 2022 05:09
 Operator : SY/MD
 Sample : N5928-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ68

Quant Time: Dec 09 06:29:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	550651	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	507413	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	267871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	185551	55.028	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	110.060%	
7) Chloroethane-d5	1.564	69	148212	57.643	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	115.280%	
11) 1,1-Dichloroethene-d2	2.105	63	252139	47.941	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	95.880%	
21) 2-Butanone-d5	3.870	46	213318	103.704	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	103.700%	
24) Chloroform-d	4.339	84	318800	50.241	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.480%	
26) 1,2-Dichloroethane-d4	5.024	65	188199	51.930	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	103.860%	
32) Benzene-d6	5.043	84	712407	53.135	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	106.260%	
36) 1,2-Dichloropropane-d6	6.063	67	211307	51.596	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	103.200%	
41) Toluene-d8	7.307	98	645197	51.073	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	102.140%	
43) trans-1,3-Dichloroprop...	7.612	79	86852	41.998	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	84.000%	
47) 2-Hexanone-d5	8.082	63	189525	108.373	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	108.370%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	296317	50.633	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	101.260%	
66) 1,2-Dichlorobenzene-d4	11.612	152	263175	51.611	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	103.220%	
Target Compounds						
						Qvalue
5) Vinyl chloride	1.310	62	383943	92.796	ug/L	99
8) Chloroethane	1.581	64	96881	42.051	ug/L	98
12) 1,1-Dichloroethene	2.117	96	46481	15.792	ug/L #	23
17) trans-1,2-Dichloroethene	2.757	96	22575	6.656	ug/L	94
19) 1,1-Dichloroethane	3.182	63	1985383	341.719	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	2908184	779.824	ug/L	95
27) 1,2-Dichloroethane	5.133	62	8195	1.926	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	2516989	455.296	ug/L	99
31) Carbon tetrachloride	4.600	117	341474	70.734	ug/L	100
33) Benzene	5.098	78	12362	0.864	ug/L	100
34) Trichloroethene	5.912	95	37427	10.443	ug/L	98
44) trans-1,3-Dichloropropene	7.612	75	3503	0.652	ug/L #	71
46) Tetrachloroethene	7.969	164	60081	20.851	ug/L	99
51) Chlorobenzene	8.876	112	15216	1.561	ug/L	95
60) Isopropylbenzene	10.728	105	14463	0.920	ug/L	92
62) 1,3,5-Trimethylbenzene	10.532	105	10620	0.764	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	43486	3.155	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	9303	1.190	ug/L	97
67) 1,2-Dichlorobenzene	11.632	146	18512	2.354	ug/L	97

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 51 Sample Multiplier: 1

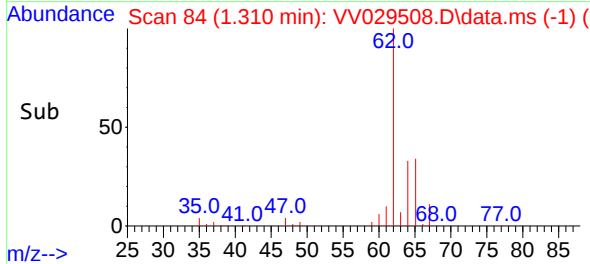
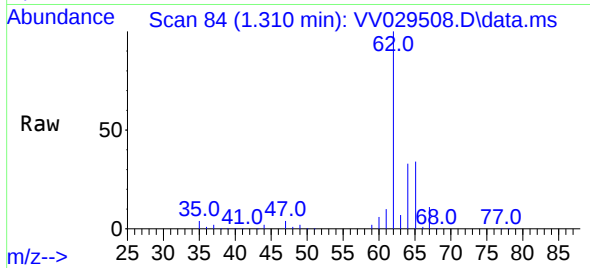
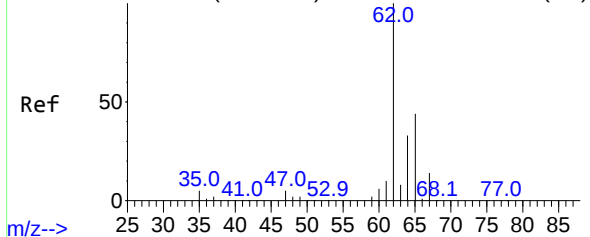
Instrument :
MSVOA_V
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Quant Time: Dec 09 06:29:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 08 01:48:46 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) Naphthalene	13.493	128	38789	3.142 ug/L	98

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

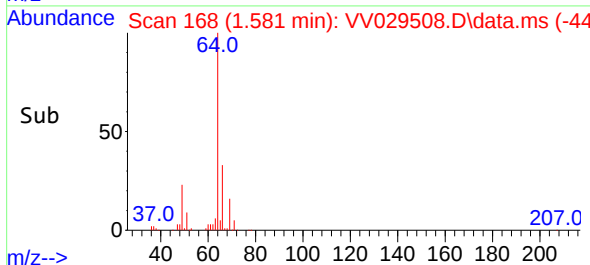
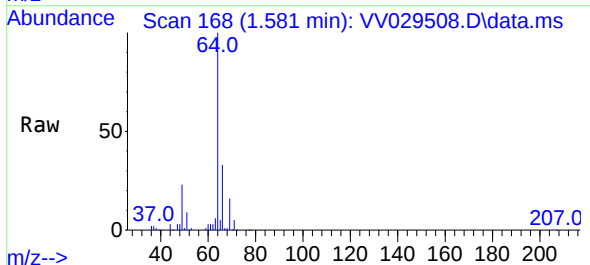
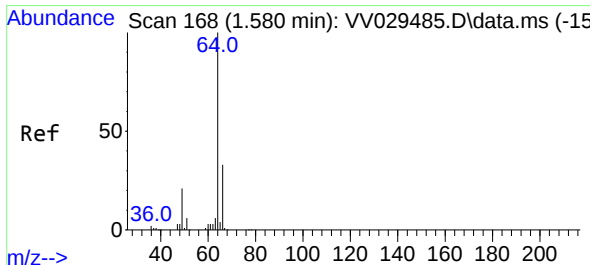
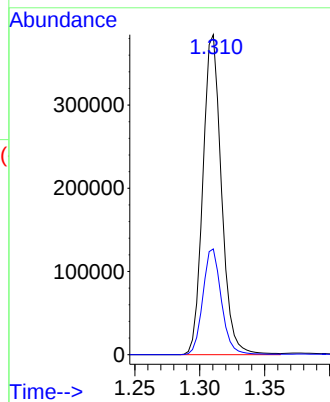
Abundance Scan 84 (1.310 min): VV029485.D\data.ms (-76)



#5
Vinyl chloride
Concen: 92.796 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

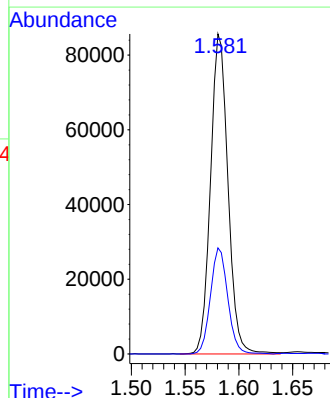
Instrument :
MSVOA_V
ClientSampleId :
EXZ68

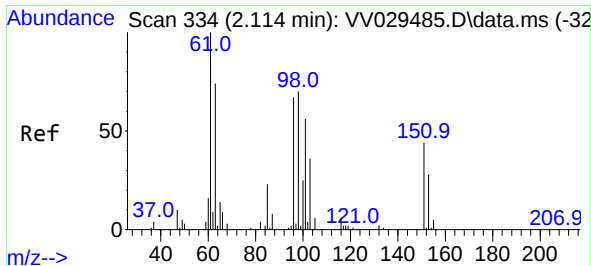
Tgt Ion: 62 Resp: 383943
Ion Ratio Lower Upper
62 100
64 33.0 22.5 41.9



#8
Chloroethane
Concen: 42.051 ug/L
RT: 1.581 min Scan# 168
Delta R.T. -0.000 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion: 64 Resp: 96881
Ion Ratio Lower Upper
64 100
66 33.2 22.5 41.9





#12

1,1-Dichloroethene

Concen: 15.792 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029508.D

Acq: 09 Dec 2022 05:09

Instrument :

MSVOA_V

ClientSampleId :

EXZ68

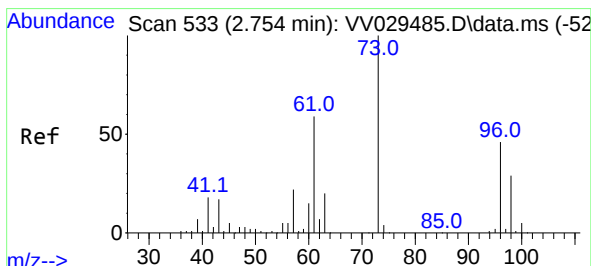
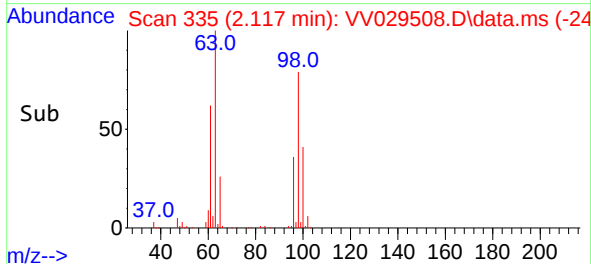
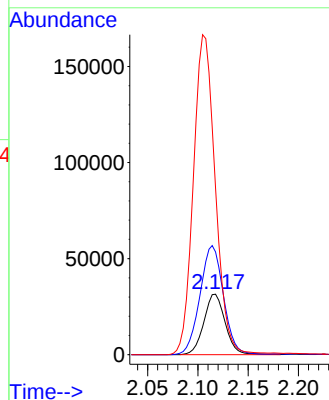
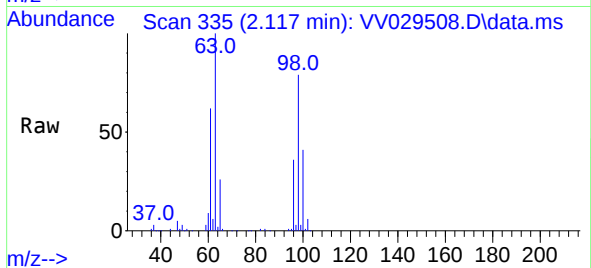
Tgt Ion: 96 Resp: 46481

Ion Ratio Lower Upper

96 100

61 169.6 103.3 191.9

63 275.1 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 6.656 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.003 min

Lab File: VV029508.D

Acq: 09 Dec 2022 05:09

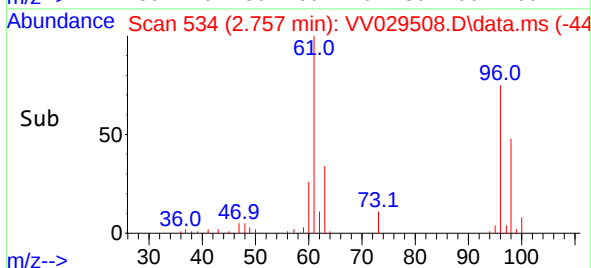
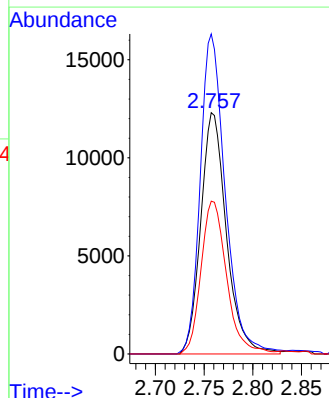
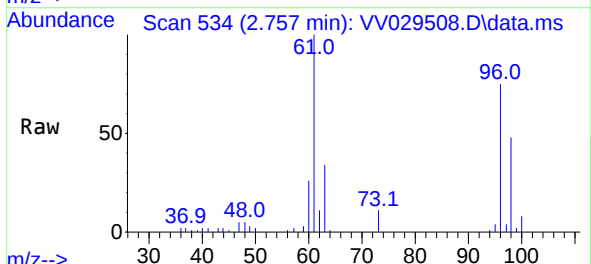
Tgt Ion: 96 Resp: 22575

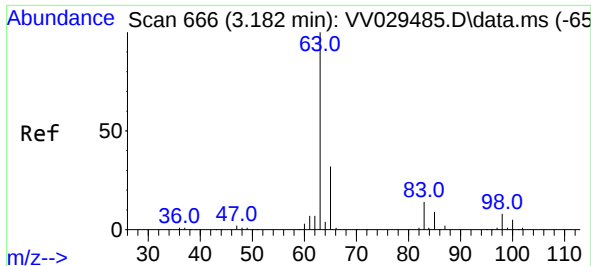
Ion Ratio Lower Upper

96 100

61 132.6 86.4 160.4

98 63.3 43.4 80.6

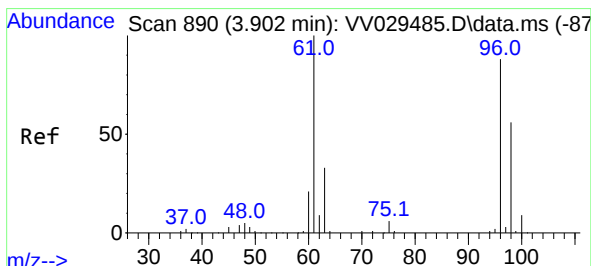
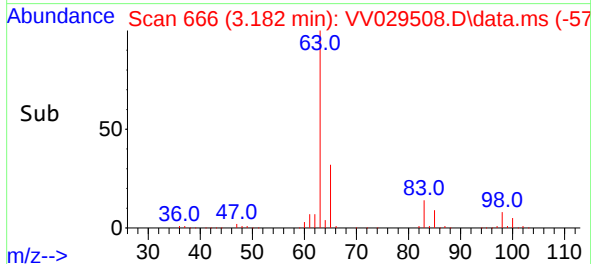
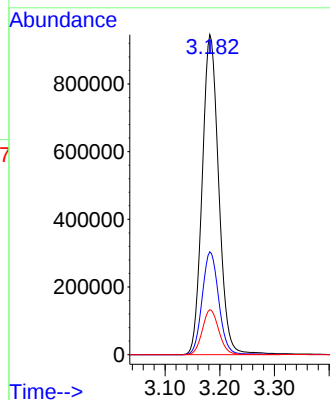
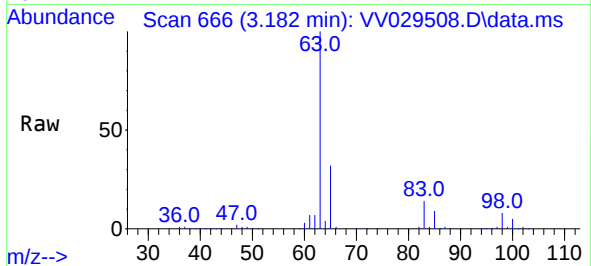




#19
1,1-Dichloroethane
Concen: 341.719 ug/L
RT: 3.182 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

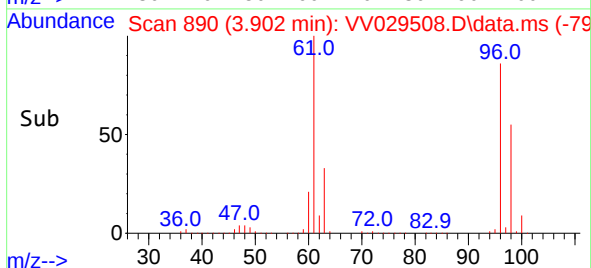
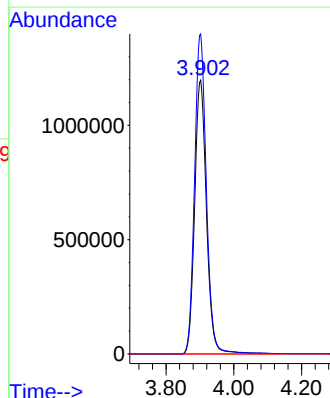
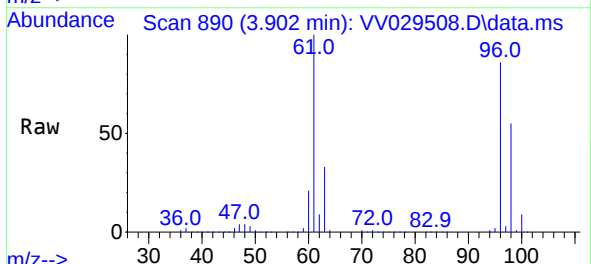
Instrument :
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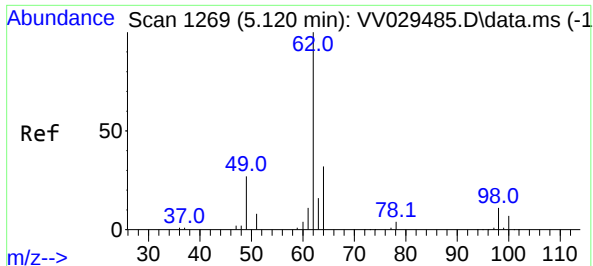
Tgt Ion: 63 Resp: 1985383
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.7
83 14.1 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 779.824 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion: 96 Resp: 2908184
Ion Ratio Lower Upper
96 100
61 116.9 78.0 144.9
68 0.0 0.0 0.0

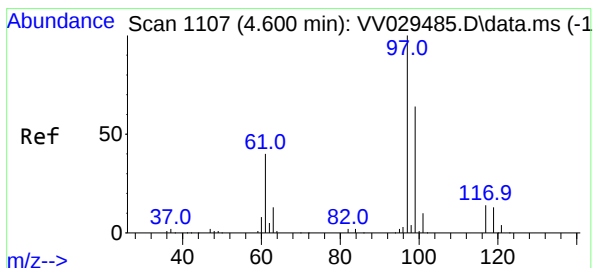
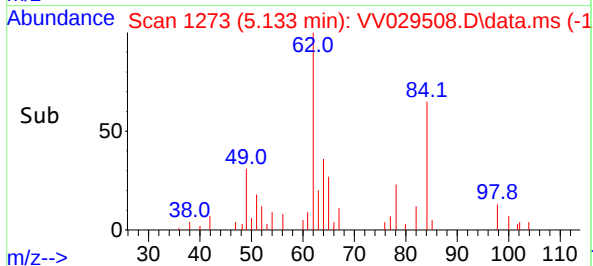
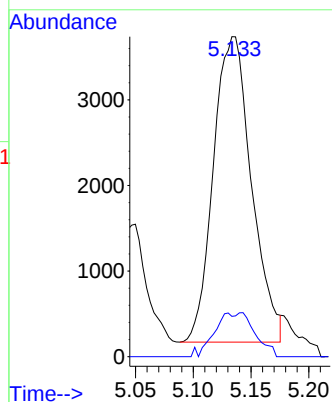
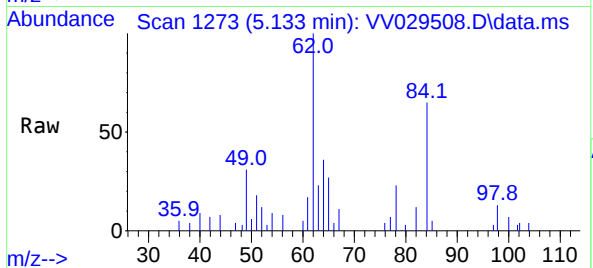




#27
1,2-Dichloroethane
Concen: 1.926 ug/L
RT: 5.133 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

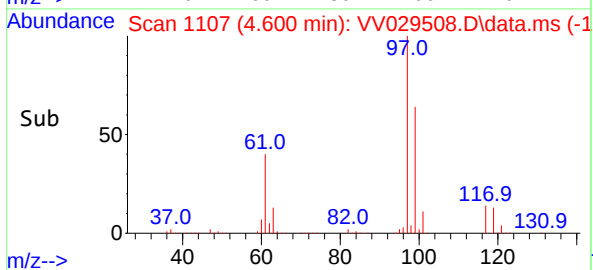
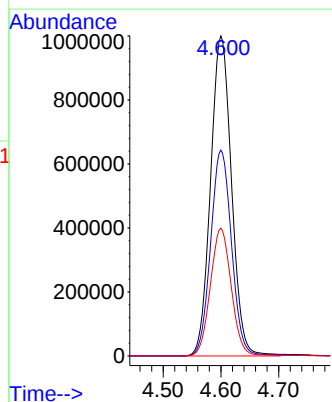
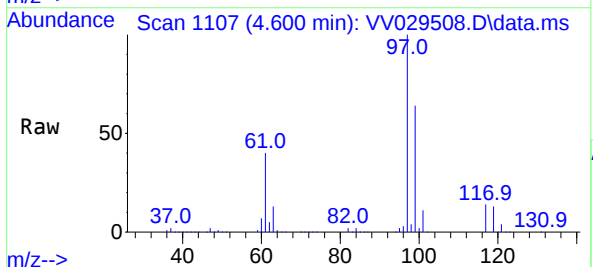
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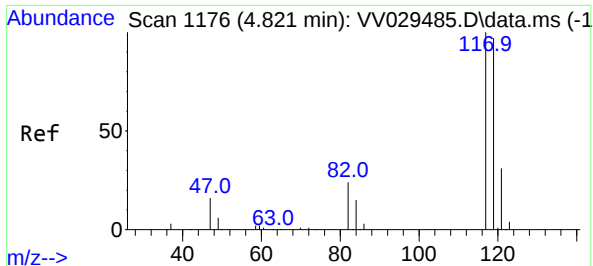
Tgt Ion: 62 Resp: 8195
Ion Ratio Lower Upper
62 100
98 12.6 9.4 14.0



#30
1,1,1-Trichloroethane
Concen: 455.296 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion: 97 Resp: 2516989
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 39.8 31.8 47.8

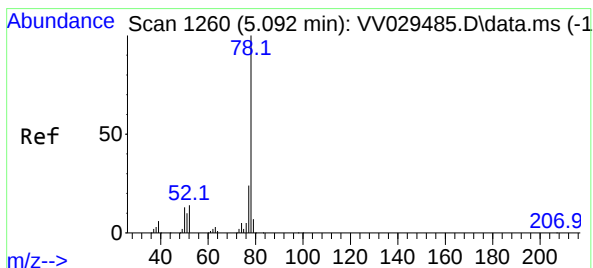
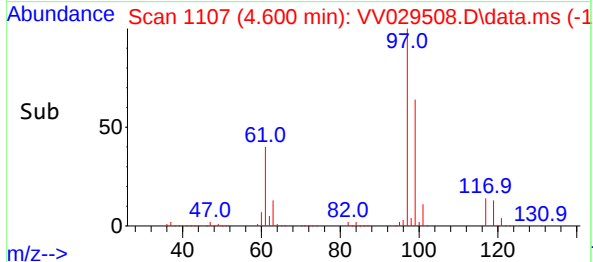
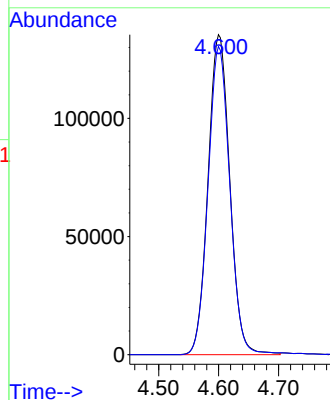
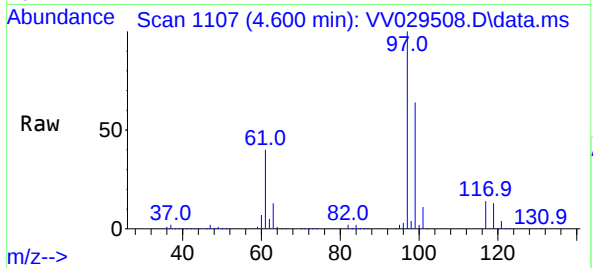




#31
Carbon tetrachloride
Concen: 70.734 ug/L
RT: 4.600 min Scan# 1176
Delta R.T. -0.222 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

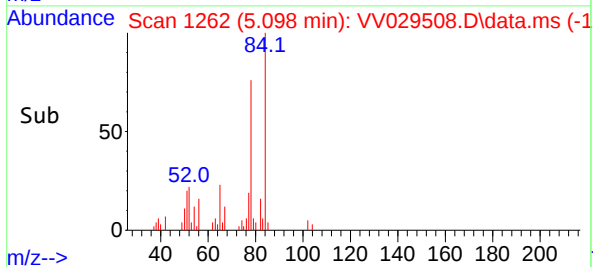
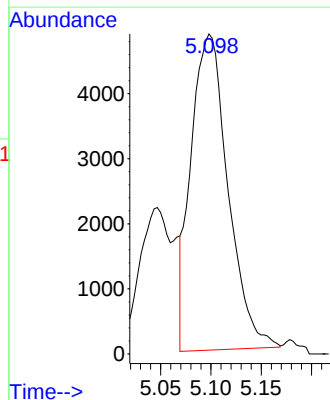
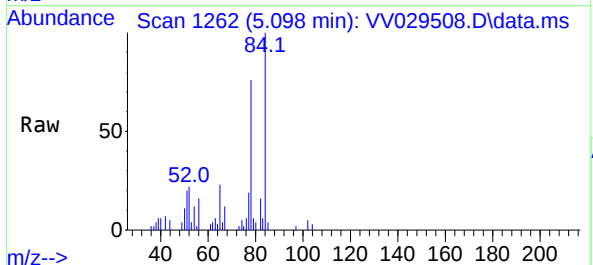
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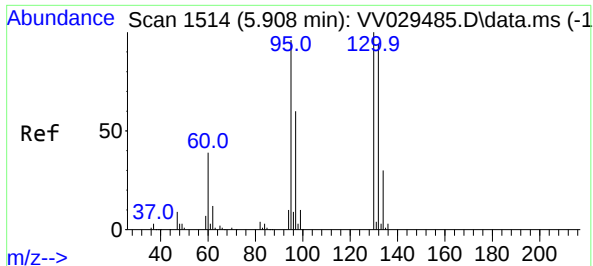
Tgt Ion:117 Resp: 341474
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1



#33
Benzene
Concen: 0.864 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion: 78 Resp: 12362



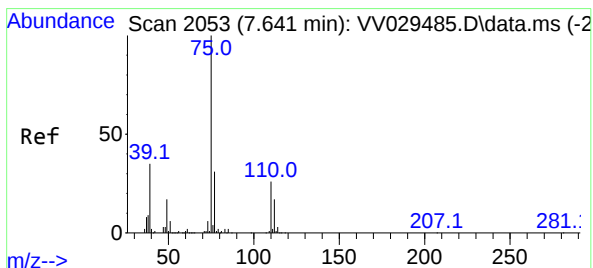
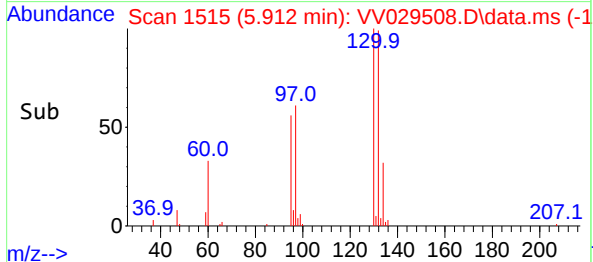
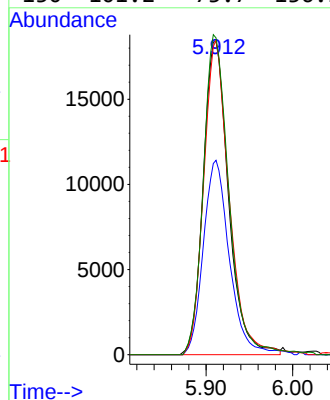
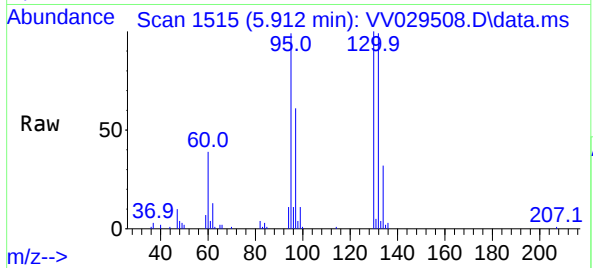


#34
 Trichloroethene
 Concen: 10.443 ug/L
 RT: 5.912 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV029508.D
 Acq: 09 Dec 2022 05:09

Instrument :
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Tgt Ion: 95 Resp: 37427

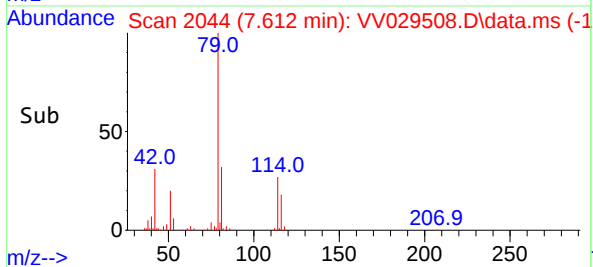
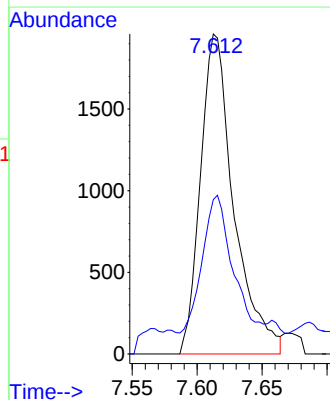
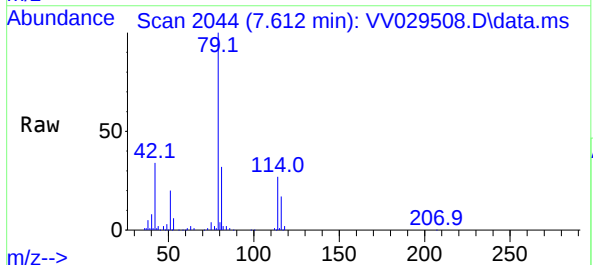
Ion	Ratio	Lower	Upper
95	100		
97	62.1	44.0	81.8
132	100.4	69.9	129.9
130	101.2	73.7	136.9

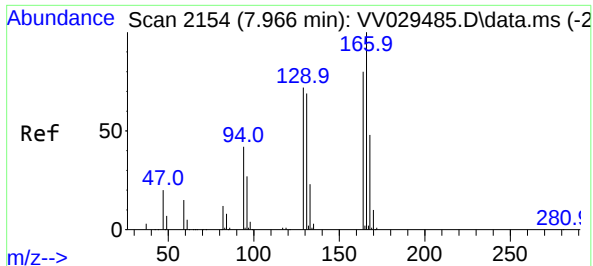


#44
 trans-1,3-Dichloropropene
 Concen: 0.652 ug/L
 RT: 7.612 min Scan# 2044
 Delta R.T. -0.032 min
 Lab File: VV029508.D
 Acq: 09 Dec 2022 05:09

Tgt Ion: 75 Resp: 3503

Ion	Ratio	Lower	Upper
75	100		
77	48.3	22.3	41.5



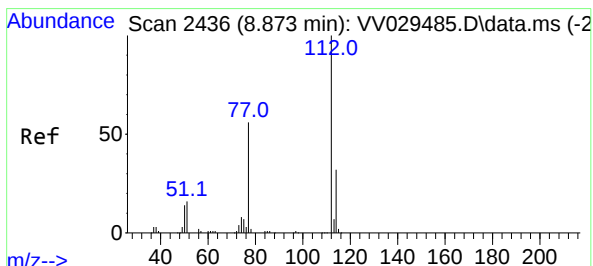
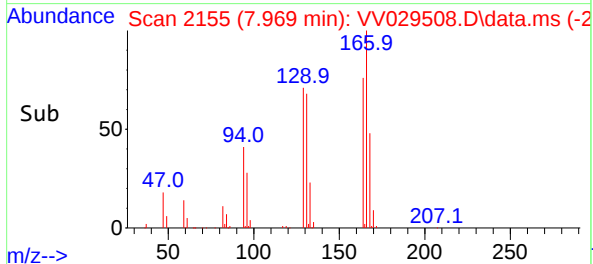
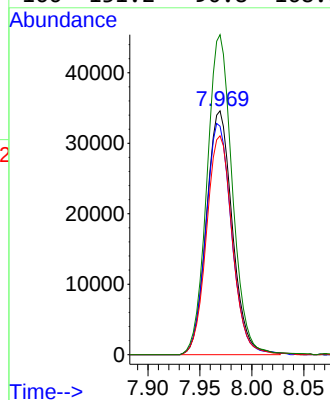
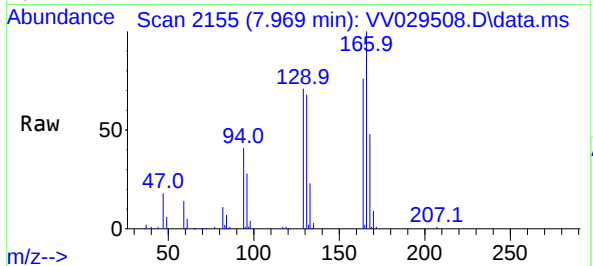


#46
Tetrachloroethene
Concen: 20.851 ug/L
RT: 7.969 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Instrument :
MSVOA_V
ClientSampleId :
EXZ68

Tgt Ion:164 Resp: 60081

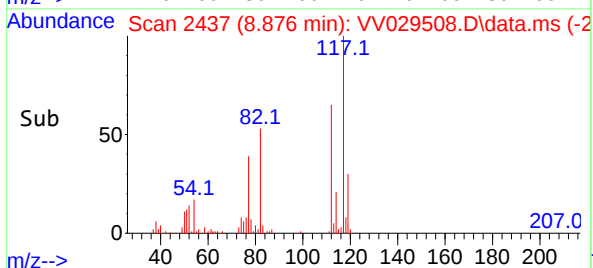
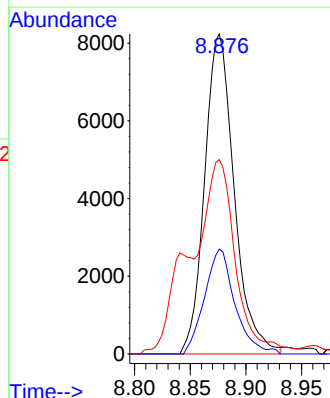
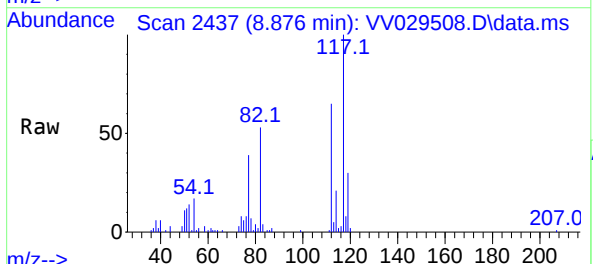
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.3	121.3
131	89.7	63.1	117.1
166	131.2	90.8	168.6

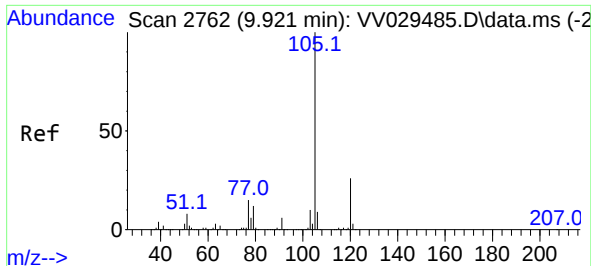


#51
Chlorobenzene
Concen: 1.561 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion:112 Resp: 15216

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.3	41.3
77	60.8	45.0	67.4

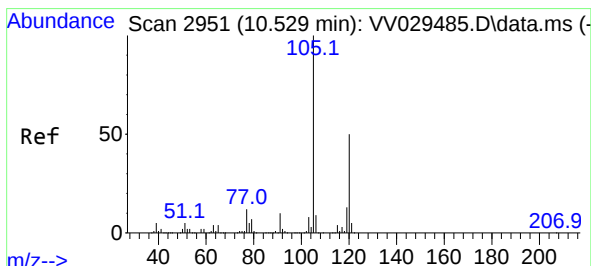
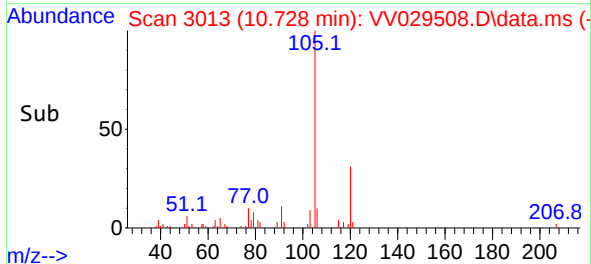
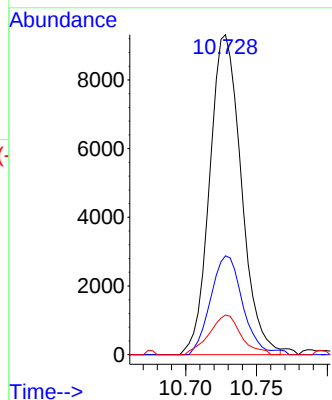
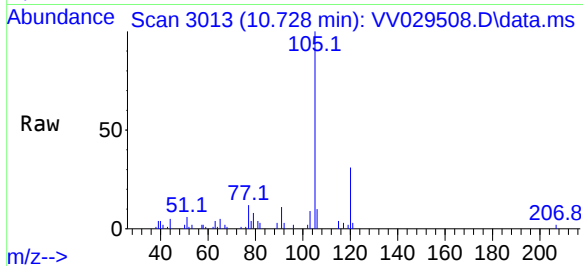




#60
Isopropylbenzene
Concen: 0.920 ug/L
RT: 10.728 min Scan# 30
Delta R.T. 0.807 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

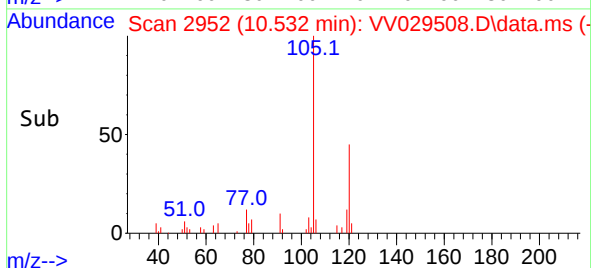
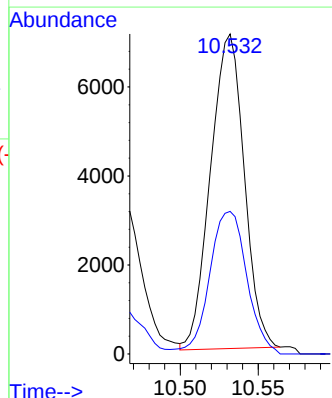
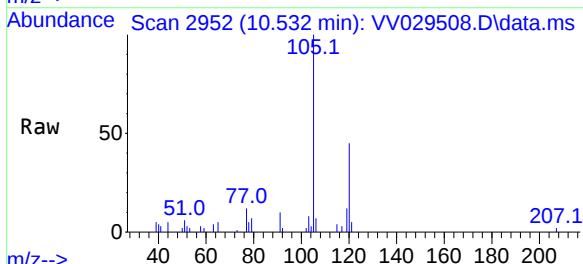
Instrument :
MSVOA_V
ClientSampleId :
EXZ68

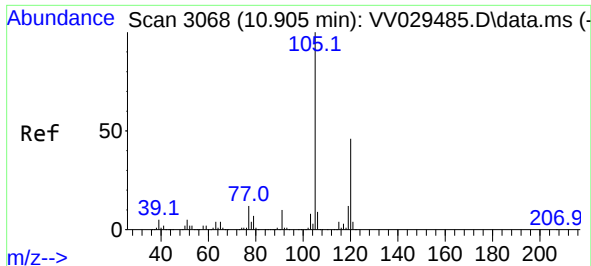
Tgt Ion:105 Resp: 14463
Ion Ratio Lower Upper
105 100
120 31.0 21.1 31.7
77 12.5 11.6 17.4



#62
1,3,5-Trimethylbenzene
Concen: 0.764 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion:105 Resp: 10620
Ion Ratio Lower Upper
105 100
120 49.9 40.0 60.0

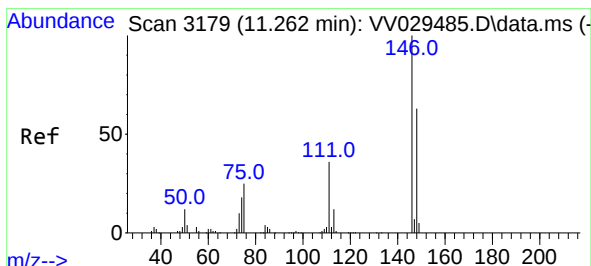
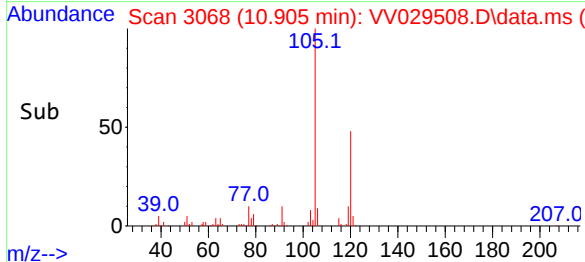
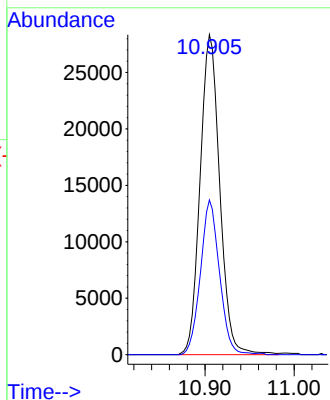
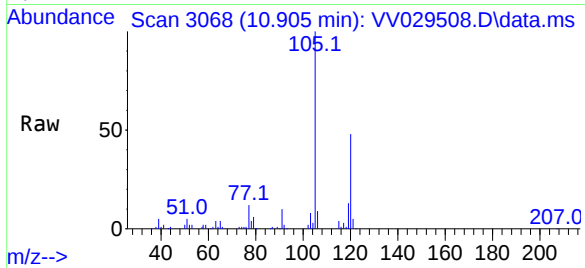




#63
1,2,4-Trimethylbenzene
Concen: 3.155 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

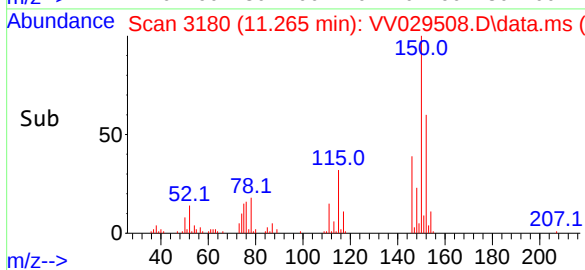
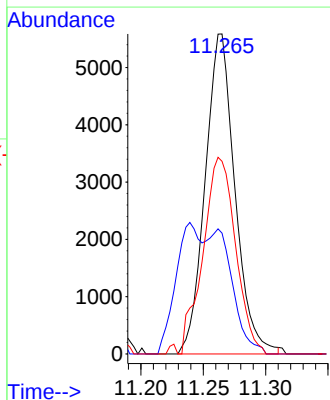
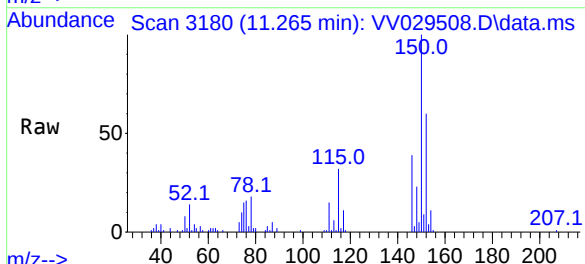
Instrument :
MSVOA_V
ClientSampleId :
EXZ68

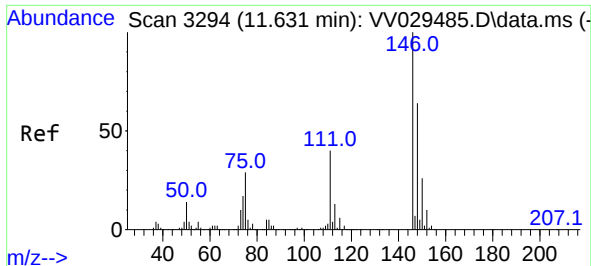
Tgt Ion:105 Resp: 43486
Ion Ratio Lower Upper
105 100
120 46.7 36.7 55.1



#65
1,4-Dichlorobenzene
Concen: 1.190 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Tgt Ion:146 Resp: 9303
Ion Ratio Lower Upper
146 100
111 37.8 26.2 48.8
148 60.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.354 ug/L

RT: 11.632 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029508.D

Acq: 09 Dec 2022 05:09

Instrument :

MSVOA_V

ClientSampleId :

EXZ68

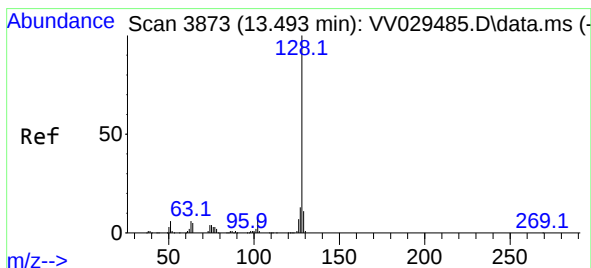
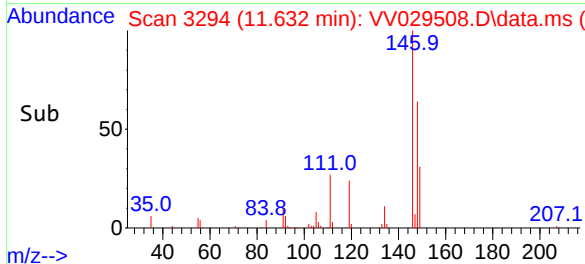
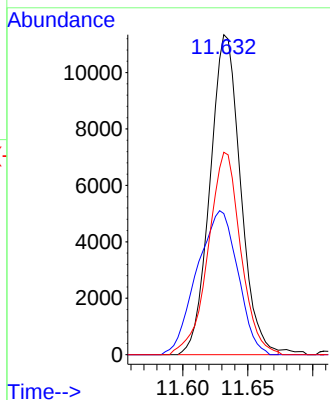
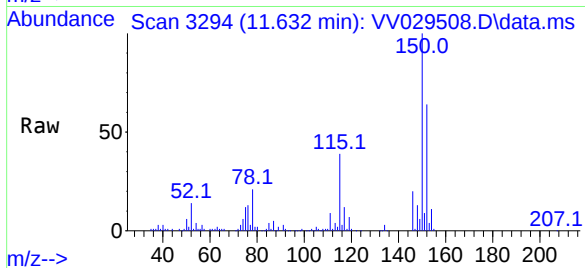
Tgt Ion:146 Resp: 18512

Ion Ratio Lower Upper

146 100

111 44.1 32.0 48.0

148 63.2 50.6 76.0



#71

Naphthalene

Concen: 3.142 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029508.D

Acq: 09 Dec 2022 05:09

Tgt Ion:128 Resp: 38789

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 9.7 8.5 12.7

