

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120822\
 Data File : VV029508.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%

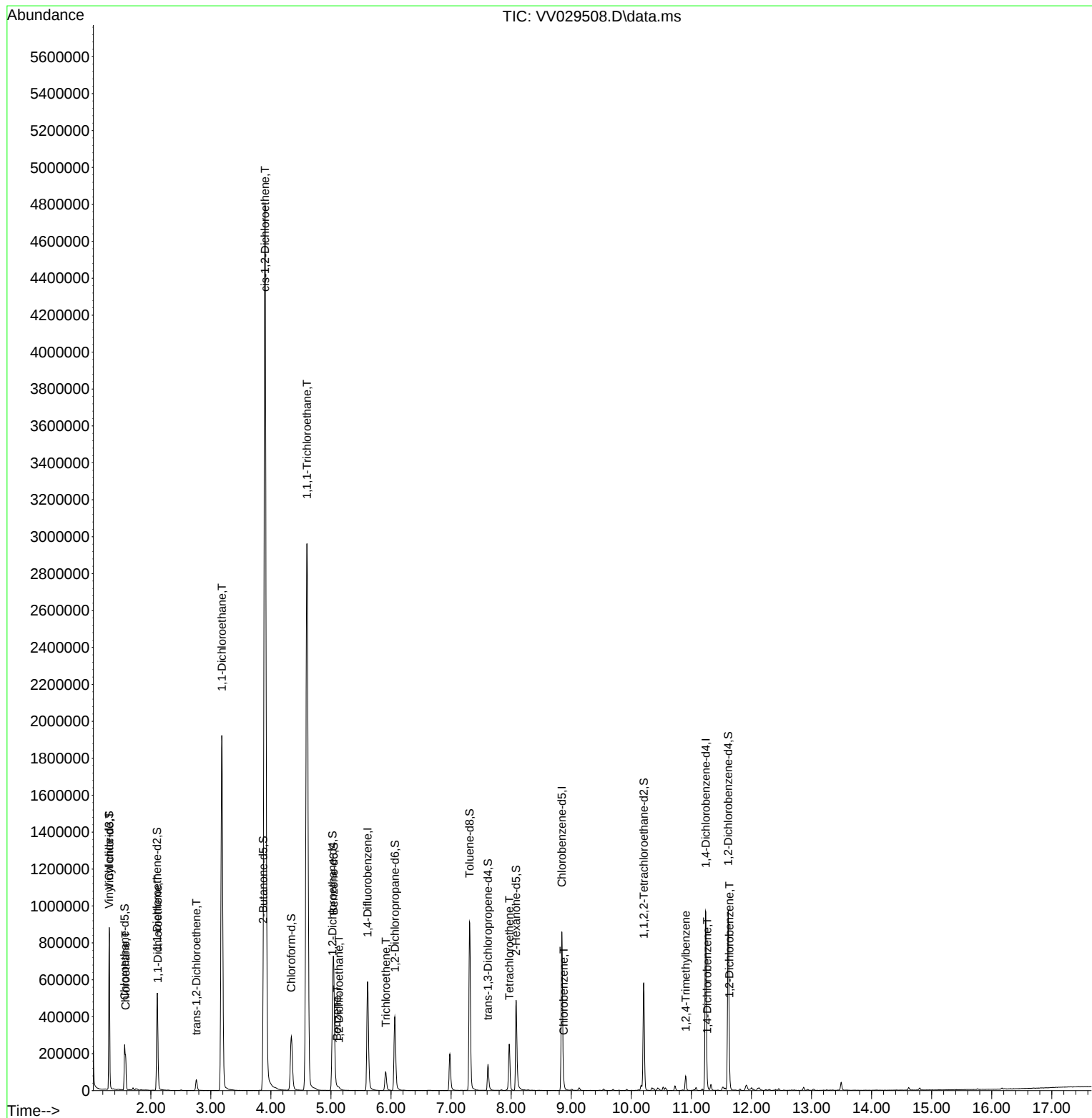
Target Compounds					Qvalue	
5) Vinyl chloride	1.310	62	383943	92.796	ug/L	99
8) Chloroethane	1.581	64	96881	42.051	ug/L	98
12) 1,1-Dichloroethene	2.117	96	46481	15.792	ug/L #	23
17) trans-1,2-Dichloroethene	2.757	96	22575	6.656	ug/L	94
19) 1,1-Dichloroethane	3.182	63	1985383	341.719	ug/L	99
20) cis-1,2-Dichloroethene	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
33) Benzene	5.098	78	12362	0.864	ug/L	100
34) Trichloroethene	5.912	95	37427	10.443	ug/L	98
46) Tetrachloroethene	7.969	164	60081	20.851	ug/L	99
51) Chlorobenzene	8.876	112	15216	1.561	ug/L	95
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

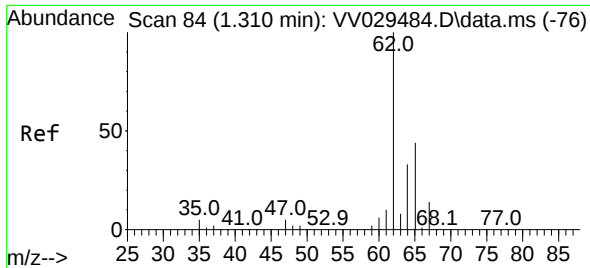
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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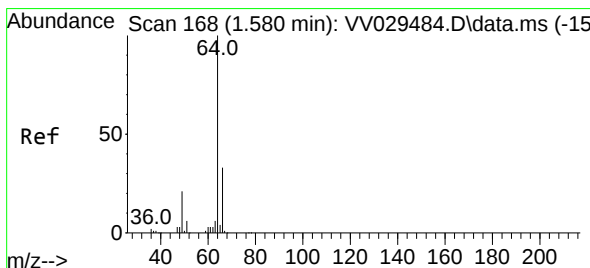
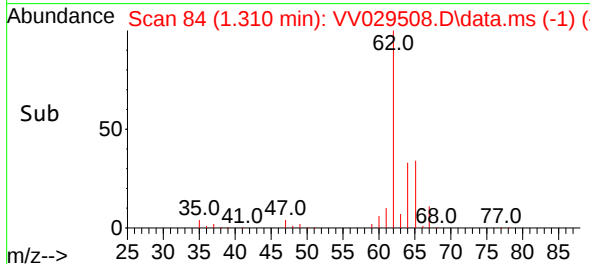
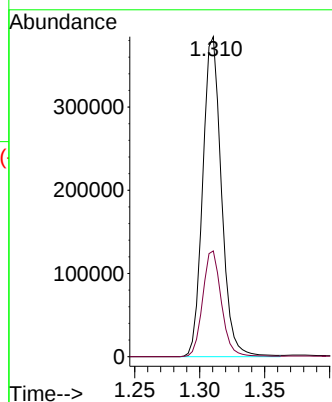
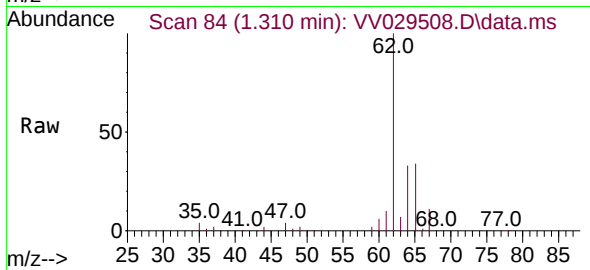




#5
 Vinyl chloride
 Concen: 92.796 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029508.D
 Acq: 09 Dec 2022 05:09

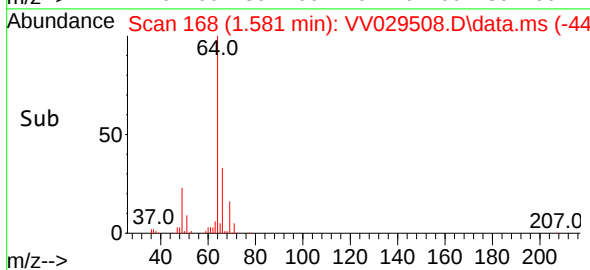
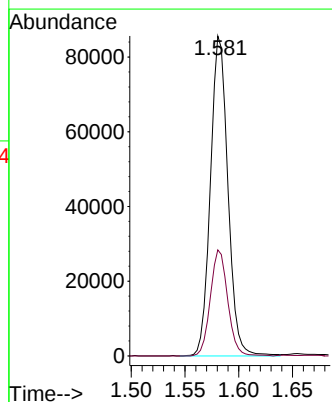
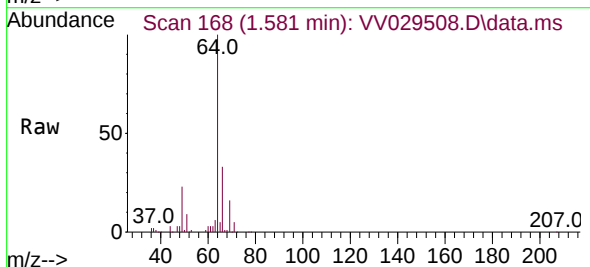
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ68

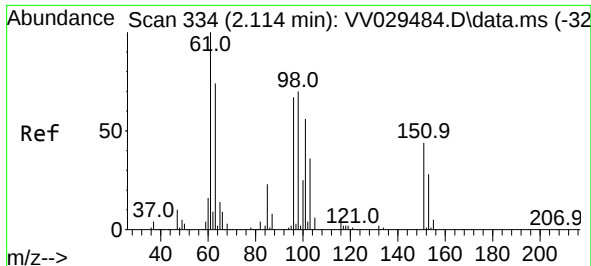
Tgt Ion: 62 Resp: 383943
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.5 41.9



#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# 334

Delta R.T. 0.003 min

Lab File: VV029508.D

Acq: 09 Dec 2022 05:09

Instrument :

MSVOA_V

ClientSampleId :

EXZ68

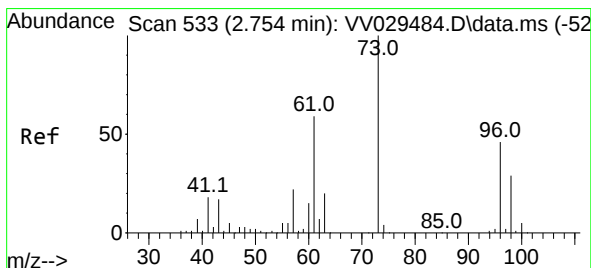
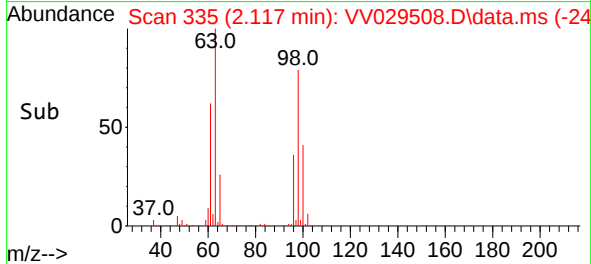
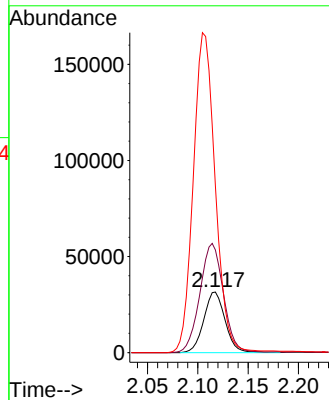
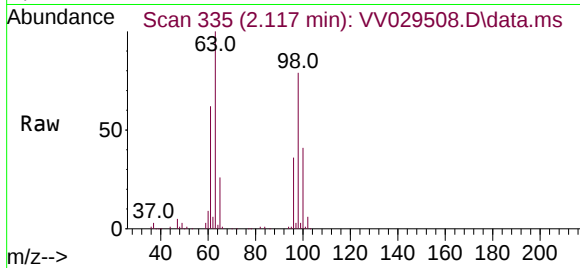
Tgt Ion: 96 Resp: 46481

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

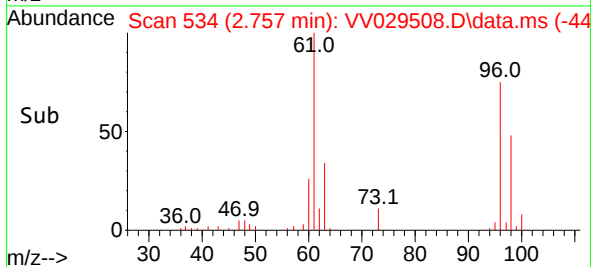
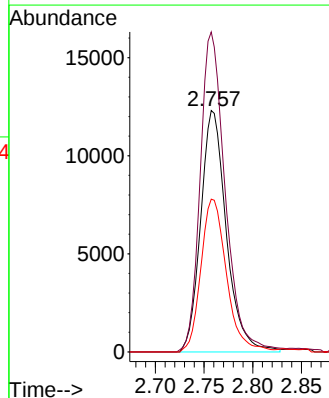
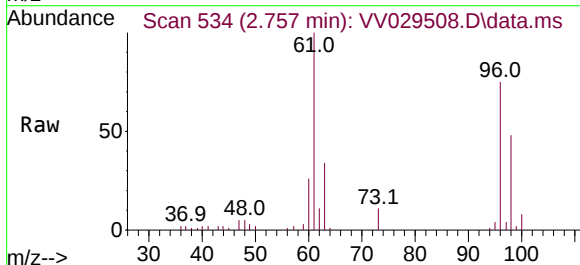
Tgt Ion: 96 Resp: 22575

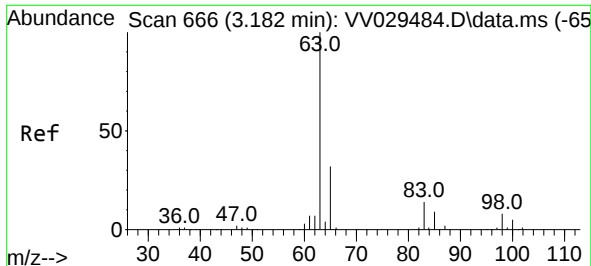
Ion Ratio Lower Upper

96 100

61 132.6 86.4 160.4

98 63.3 43.4 80.6



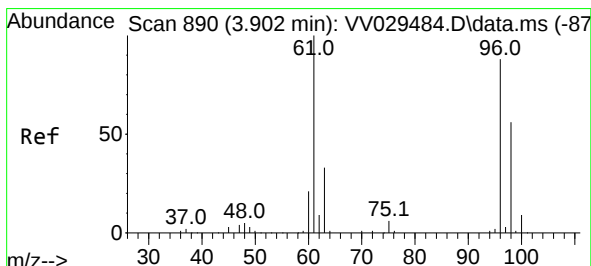
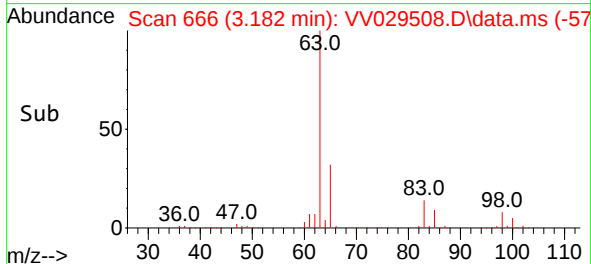
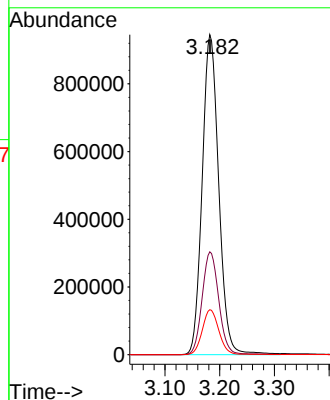
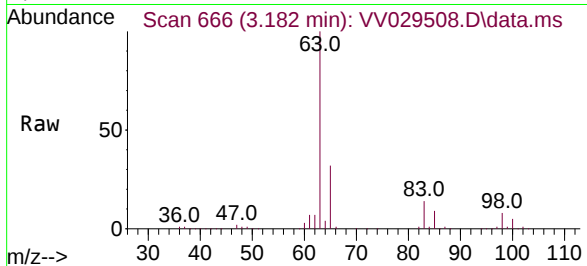


#19
1,1-Dichloroethane
Concen: 341.719 ug/L
RT: 3.182 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

Instrument :
MSVOA_V
ClientSampleId :
EXZ68

Tgt Ion: 63 Resp: 1985383

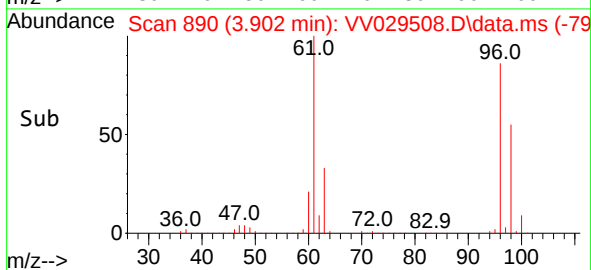
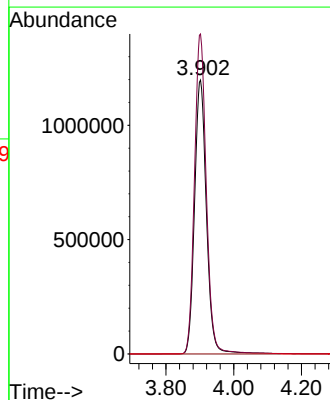
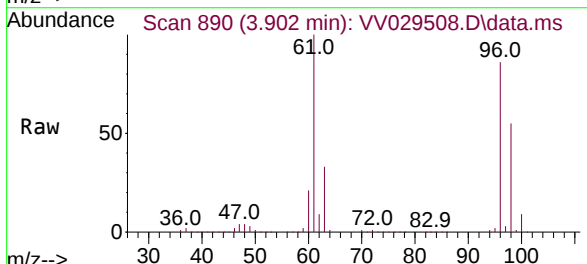
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.5	41.7
83	14.1	10.4	19.2

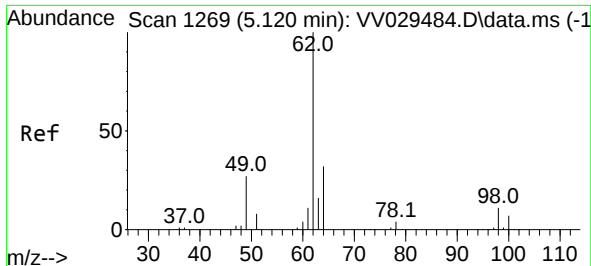


#20
cis-1,2-Dichloroethene
Concen: 779.824 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

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

Instrument :

MSVOA_V

ClientSampleId :

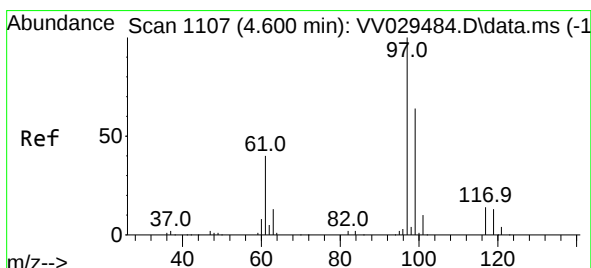
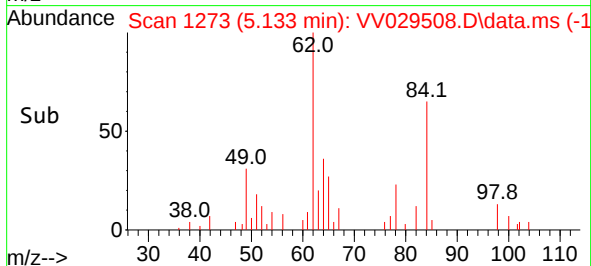
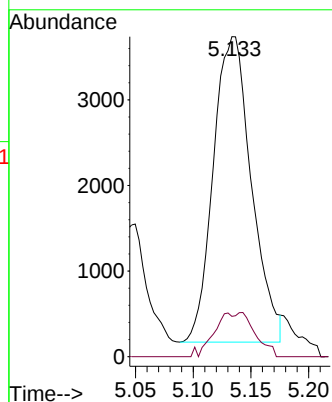
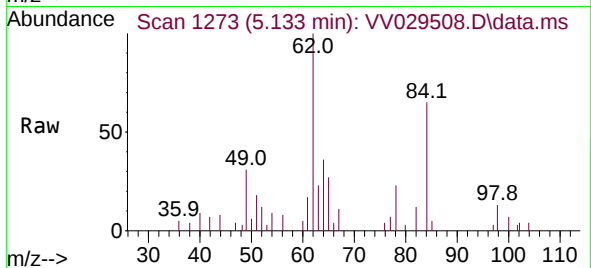
EXZ68

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

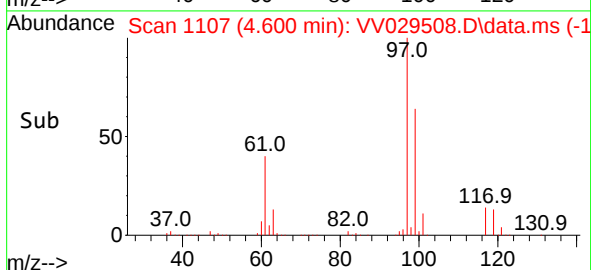
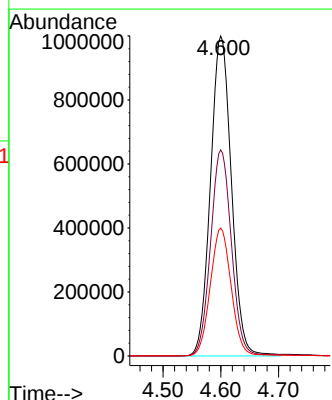
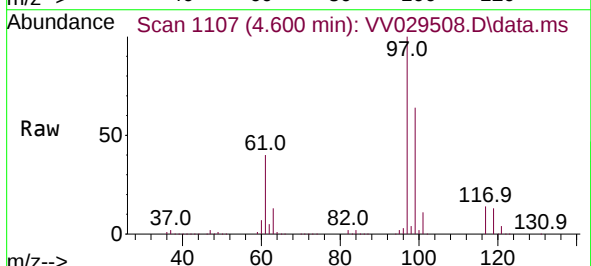
Tgt Ion: 97 Resp: 2516989

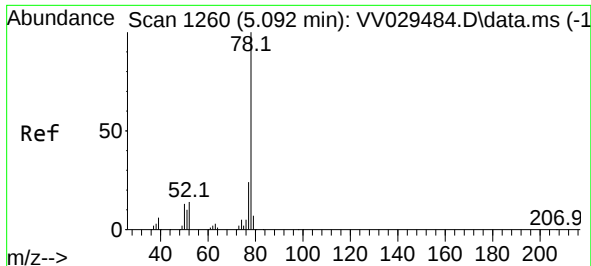
Ion Ratio Lower Upper

97 100

99 64.4 52.1 78.1

61 39.8 31.8 47.8

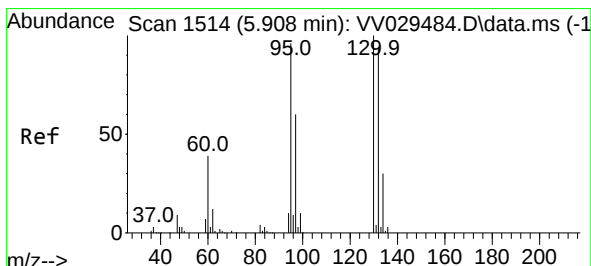
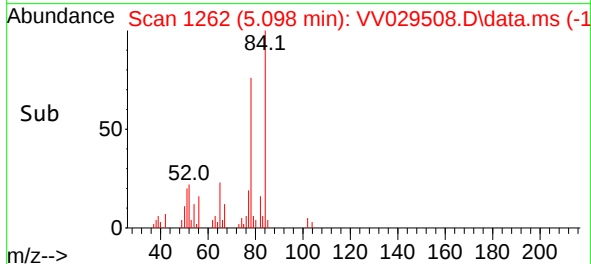
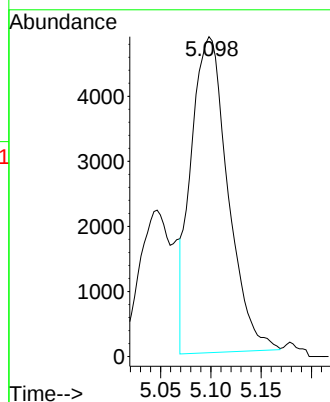
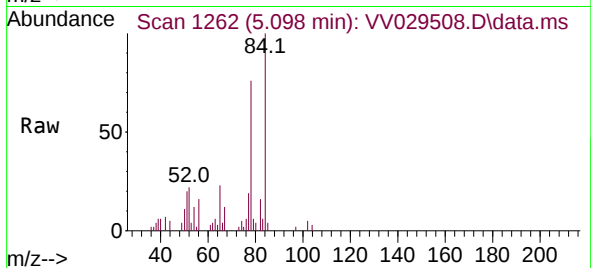




#33
Benzene
Concen: 0.864 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

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ClientSampleId :
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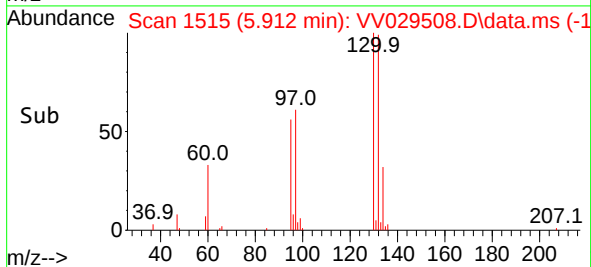
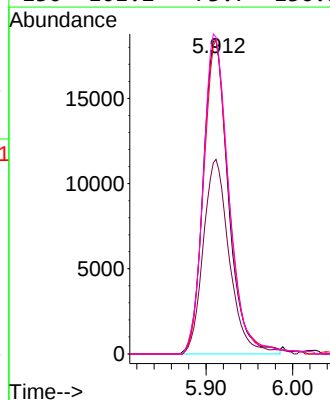
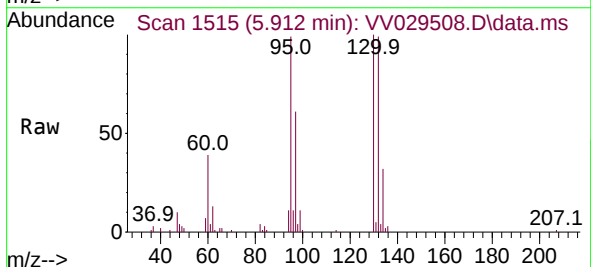
Tgt Ion: 78 Resp: 12362

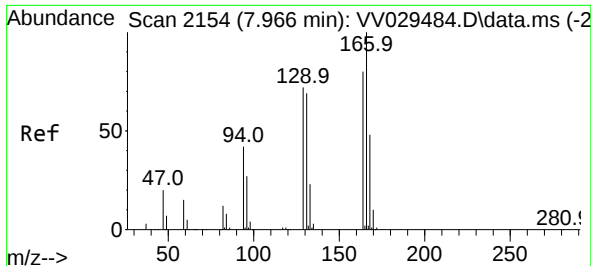


#34
Trichloroethene
Concen: 10.443 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

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

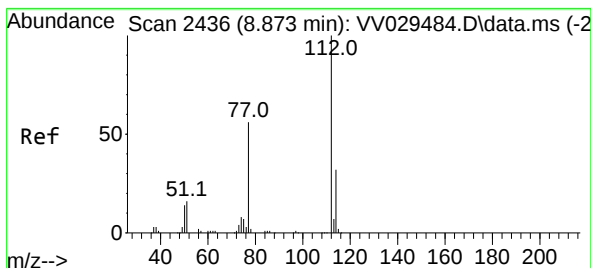
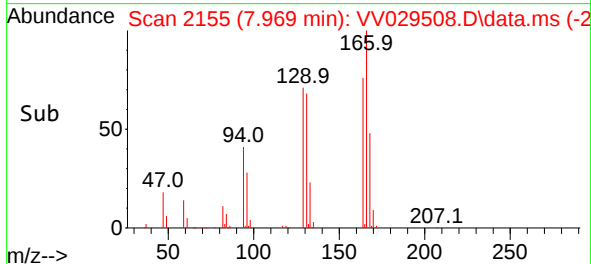
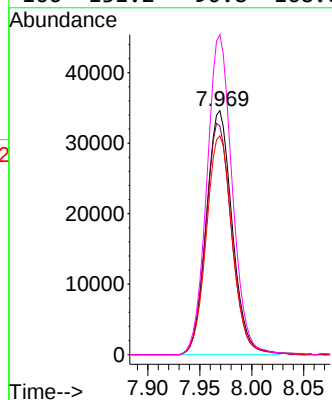
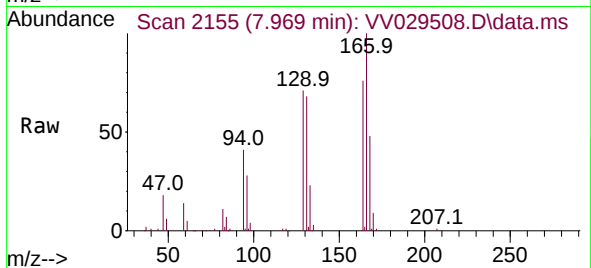




#46
Tetrachloroethene
Concen: 20.851 ug/L
RT: 7.969 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029508.D
Acq: 09 Dec 2022 05:09

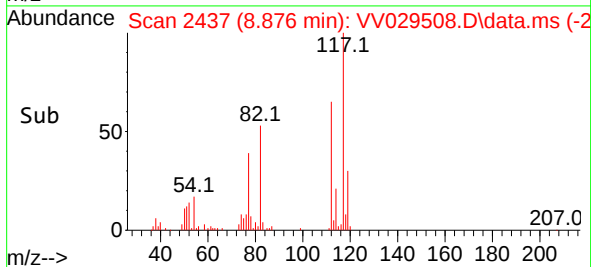
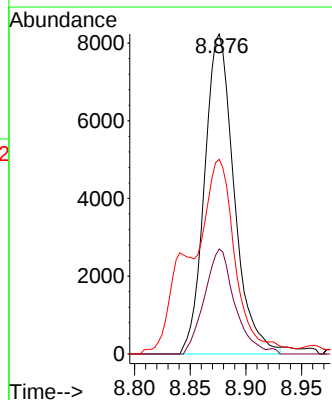
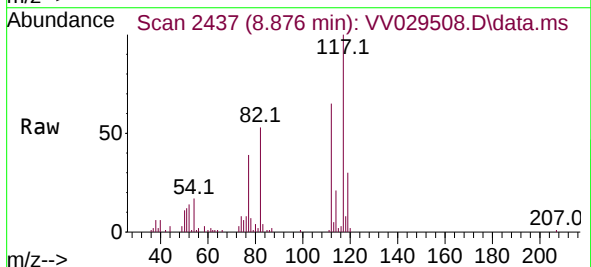
Instrument :
MSVOA_V
ClientSampleId :
EXZ68

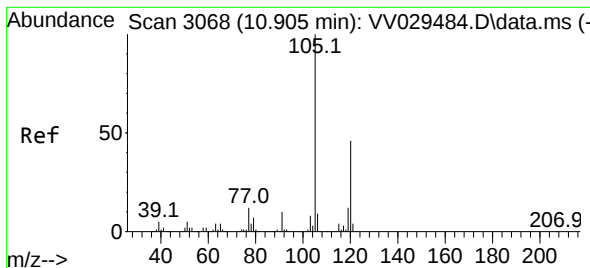
Tgt Ion:164	Resp:	60081
Ion Ratio	Lower	Upper
164	100	
129	93.7	65.3 121.3
131	89.7	63.1 117.1
166	131.2	90.8 168.6



#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





#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 :

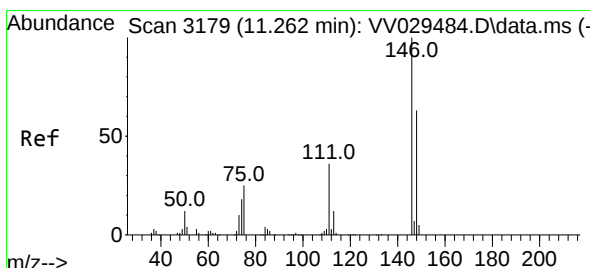
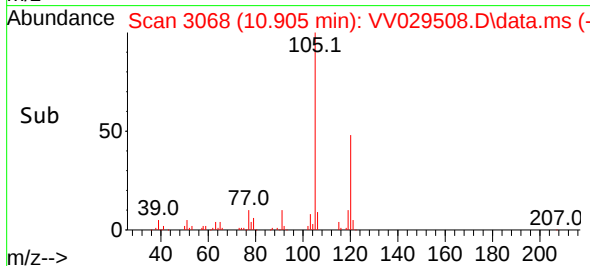
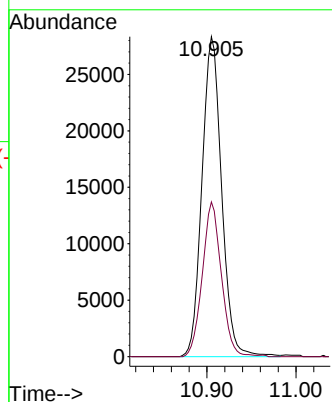
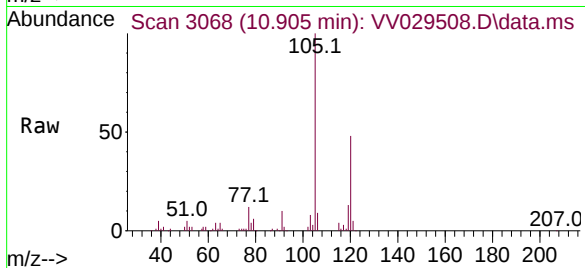
EXZ68

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

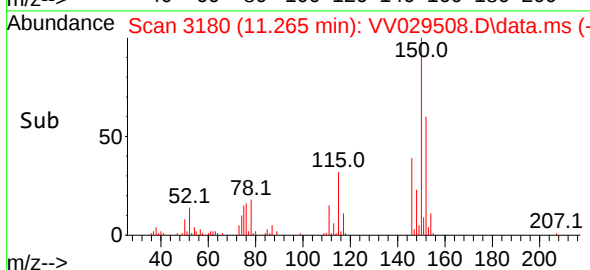
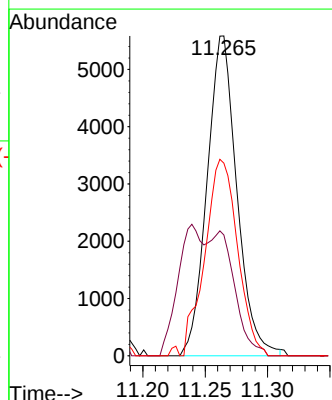
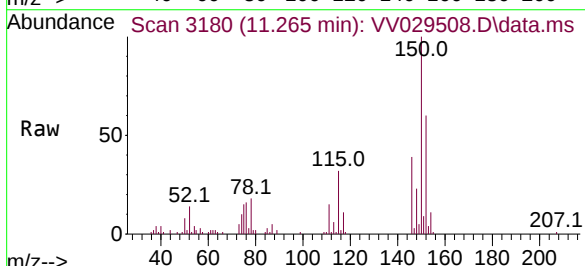
Tgt Ion:146 Resp: 9303

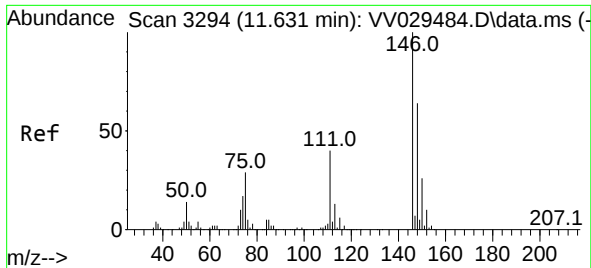
Ion Ratio Lower Upper

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

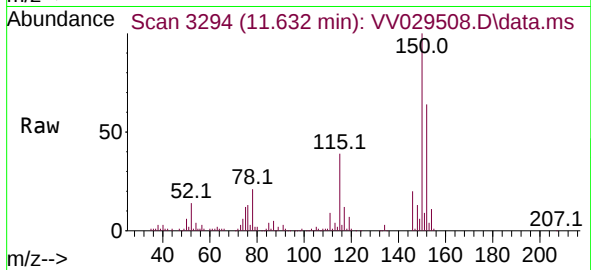
Acq: 09 Dec 2022 05:09

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

