

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029504.D
 Acq On : 09 Dec 2022 03:36
 Operator : SY/MD
 Sample : N5928-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ64

Quant Time: Dec 09 04:17:49 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	512255	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	479706	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	252547	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	102478	32.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.340%
7) Chloroethane-d5	1.564	69	93411	39.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.100%
11) 1,1-Dichloroethene-d2	2.105	63	151978	31.063	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.120%
21) 2-Butanone-d5	3.870	46	222170	116.103	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.100%
24) Chloroform-d	4.339	84	255390	43.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.520%
26) 1,2-Dichloroethane-d4	5.024	65	155479	46.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.240%
32) Benzene-d6	5.043	84	528793	41.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.440%
36) 1,2-Dichloropropane-d6	6.063	67	168846	43.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.220%
41) Toluene-d8	7.310	98	474583	39.737	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.480%#
43) trans-1,3-Dichloroprop...	7.616	79	68579	35.077	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.160%
47) 2-Hexanone-d5	8.082	63	187637	113.490	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.490%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	261335	47.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.460%
66) 1,2-Dichlorobenzene-d4	11.612	152	214017	44.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.040%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	322242	83.721	ug/L	98
8) Chloroethane	1.580	64	363060	169.397	ug/L	99
12) 1,1-Dichloroethene	2.117	96	17552	6.410	ug/L #	1
13) Acetone	2.162	43	6446	5.171	ug/L	93
17) trans-1,2-Dichloroethene	2.757	96	27558	8.735	ug/L	94
19) 1,1-Dichloroethane	3.182	63	1778381	329.033	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	949922	273.812	ug/L	94
25) Chloroform	4.362	83	5848	1.044	ug/L #	75
27) 1,2-Dichloroethane	5.127	62	24044	6.074	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	519738	99.445	ug/L	99
31) Carbon tetrachloride	4.600	117	69444	15.216	ug/L	100
33) Benzene	5.101	78	13298	0.983	ug/L	100
34) Trichloroethene	5.908	95	31629	9.335	ug/L	98
46) Tetrachloroethene	7.969	164	16939	6.218	ug/L	96
51) Chlorobenzene	8.876	112	35498	3.852	ug/L	96
62) 1,3,5-Trimethylbenzene	10.905	105	13877	1.058	ug/L	97
63) 1,2,4-Trimethylbenzene	10.905	105	13877	1.068	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	18325	2.487	ug/L	97
67) 1,2-Dichlorobenzene	11.631	146	25887	3.492	ug/L	96

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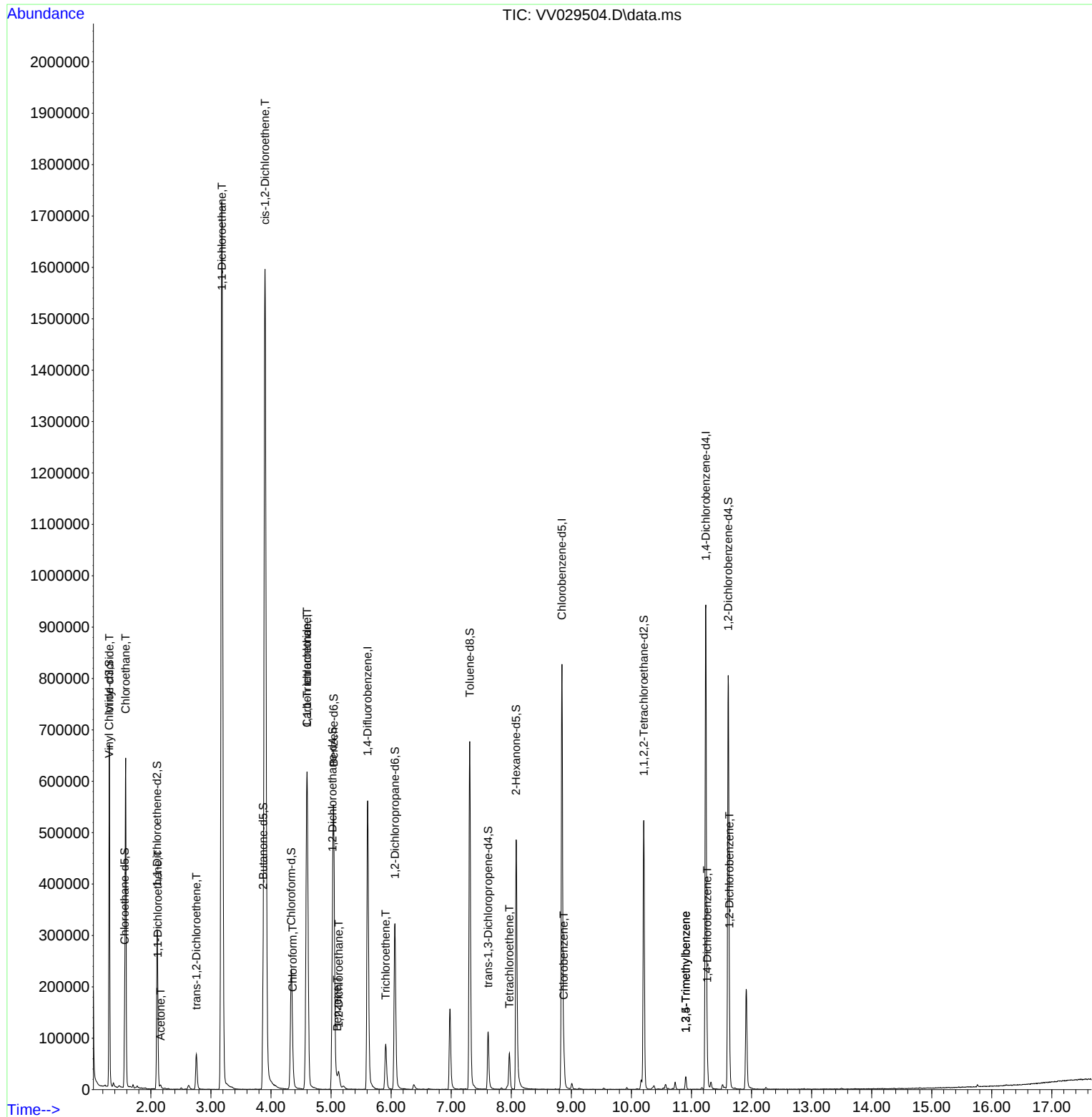
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

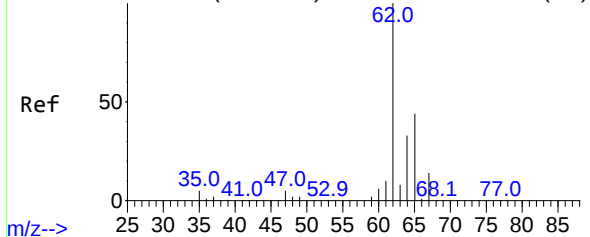
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QLast Update : Thu Dec 08 01:48:46 2022
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Abundance Scan 84 (1.310 min): VV029485.D\data.ms (-76)



#5

Vinyl chloride

Concen: 83.721 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.003 min

Lab File: VV029504.D

Acq: 09 Dec 2022 03:36

Instrument :

MSVOA_V

ClientSampleId :

EXZ64

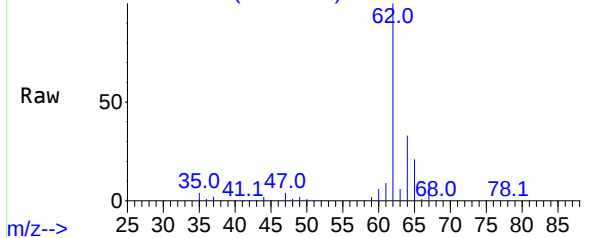
Tgt Ion: 62 Resp: 322242

Ion Ratio Lower Upper

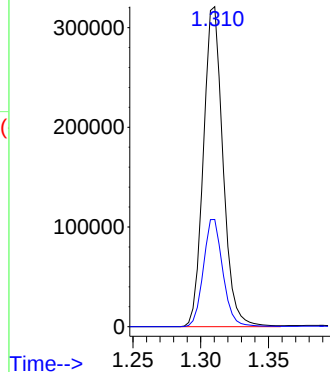
62 100

64 33.5 22.5 41.9

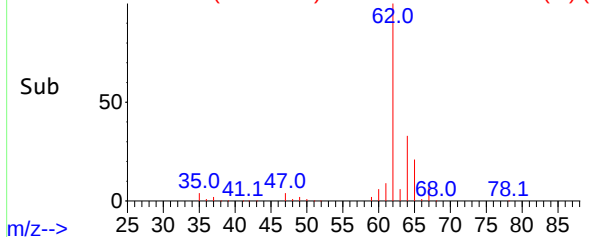
Abundance Scan 84 (1.310 min): VV029504.D\data.ms



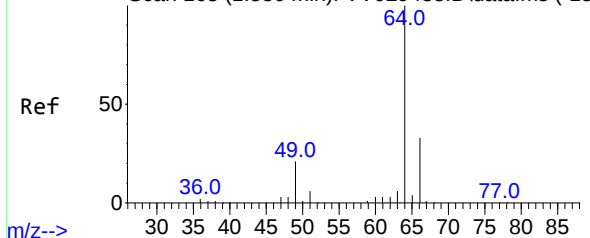
Abundance



Abundance Scan 84 (1.310 min): VV029504.D\data.ms (-1)



Abundance Scan 168 (1.580 min): VV029485.D\data.ms (-15)



#8

Chloroethane

Concen: 169.397 ug/L

RT: 1.580 min Scan# 168

Delta R.T. -0.000 min

Lab File: VV029504.D

Acq: 09 Dec 2022 03:36

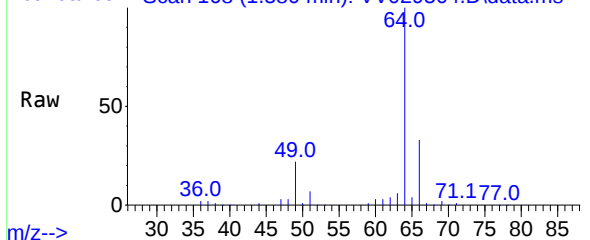
Tgt Ion: 64 Resp: 363060

Ion Ratio Lower Upper

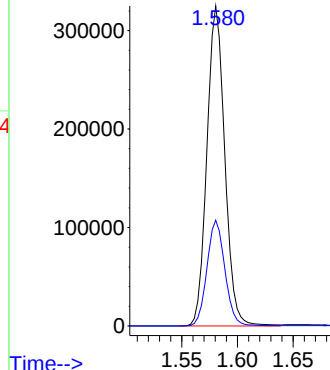
64 100

66 33.0 22.5 41.9

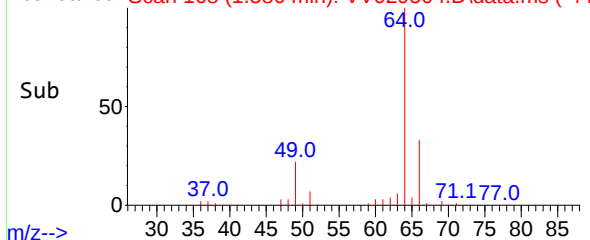
Abundance Scan 168 (1.580 min): VV029504.D\data.ms

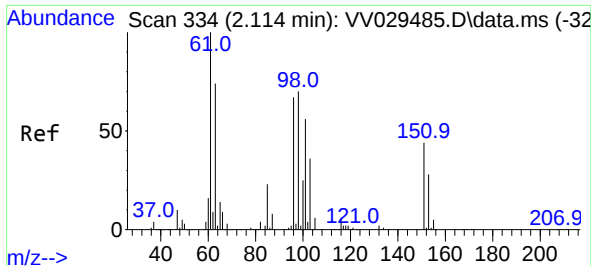


Abundance



Abundance Scan 168 (1.580 min): VV029504.D\data.ms (-44)





#12

1,1-Dichloroethene

Concen: 6.410 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029504.D

Acq: 09 Dec 2022 03:36

Instrument :

MSVOA_V

ClientSampleId :

EXZ64

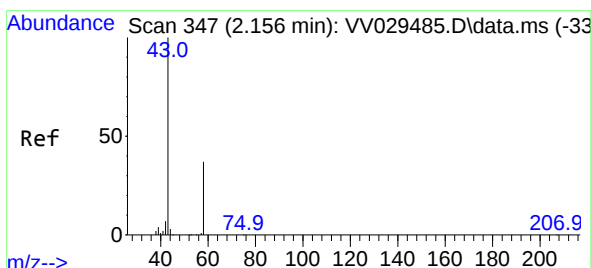
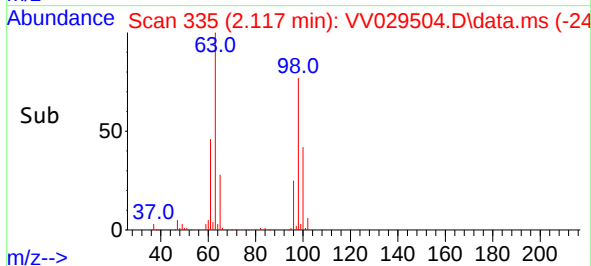
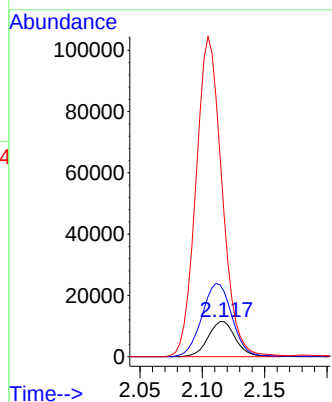
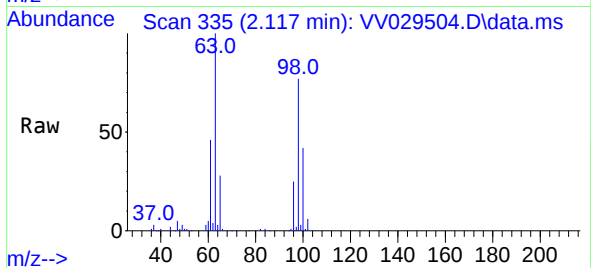
Tgt Ion: 96 Resp: 17552

Ion Ratio Lower Upper

96 100

61 185.9 103.3 191.9

63 407.3 77.3 143.7#



#13

Acetone

Concen: 5.171 ug/L

RT: 2.162 min Scan# 349

Delta R.T. 0.006 min

Lab File: VV029504.D

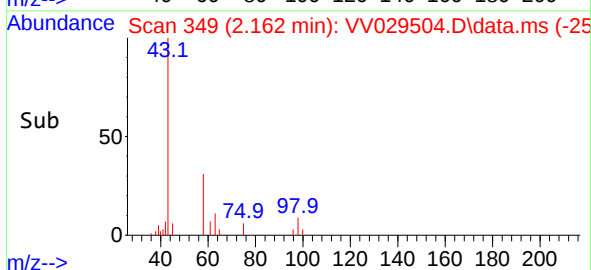
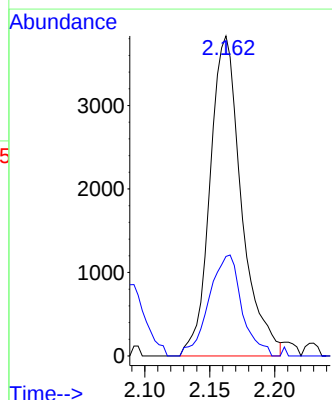
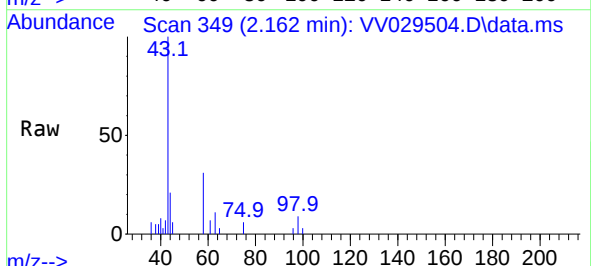
Acq: 09 Dec 2022 03:36

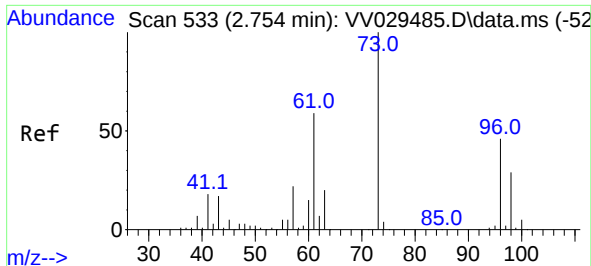
Tgt Ion: 43 Resp: 6446

Ion Ratio Lower Upper

43 100

58 33.0 0.0 74.8

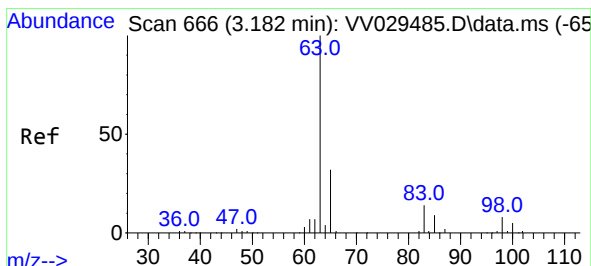
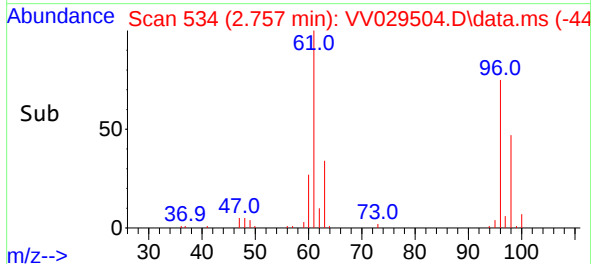
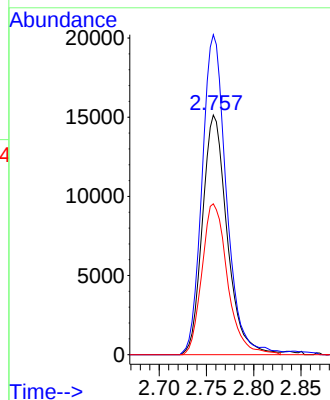
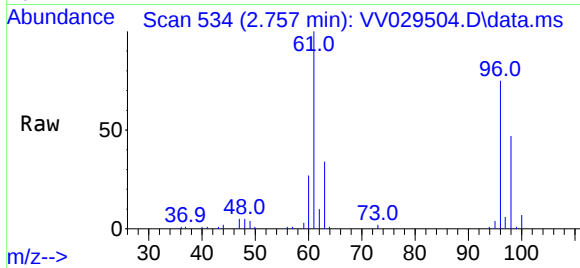




#17
trans-1,2-Dichloroethene
Concen: 8.735 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

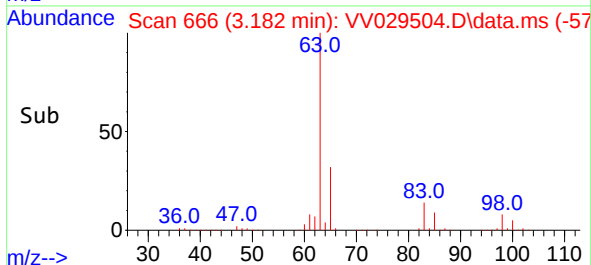
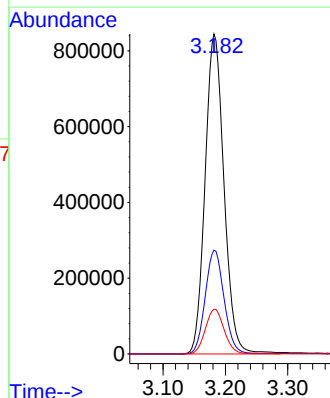
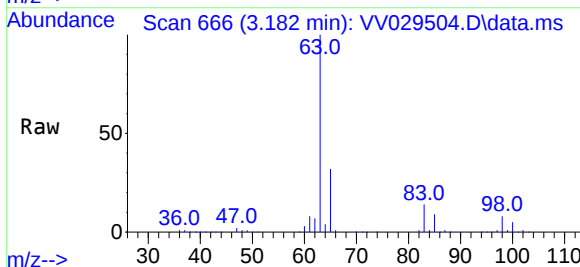
Instrument :
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EXZ64

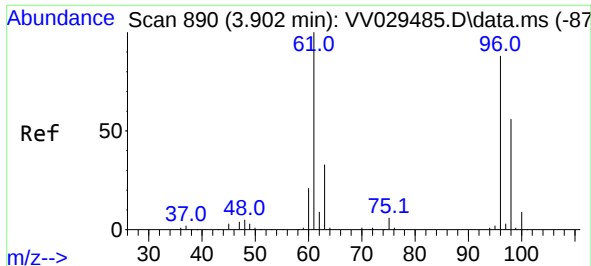
Tgt Ion: 96 Resp: 27558
Ion Ratio Lower Upper
96 100
61 133.5 86.4 160.4
98 62.9 43.4 80.6



#19
1,1-Dichloroethane
Concen: 329.033 ug/L
RT: 3.182 min Scan# 666
Delta R.T. -0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

Tgt Ion: 63 Resp: 1778381
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.7
83 14.0 10.4 19.2

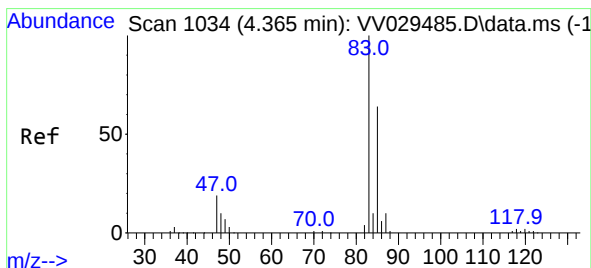
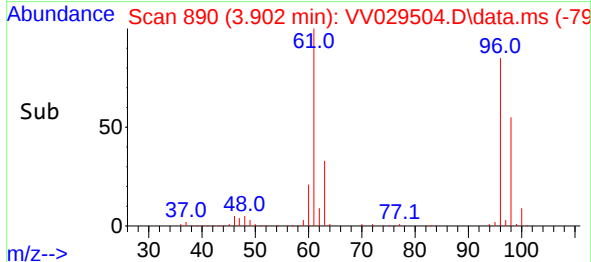
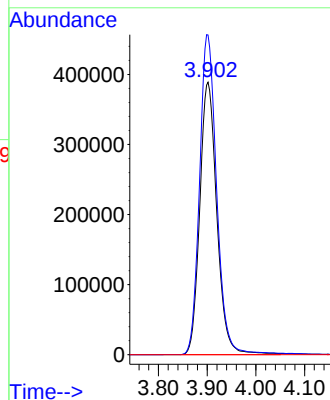
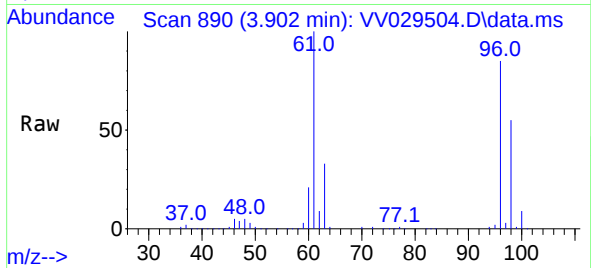




#20
cis-1,2-Dichloroethene
Concen: 273.812 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

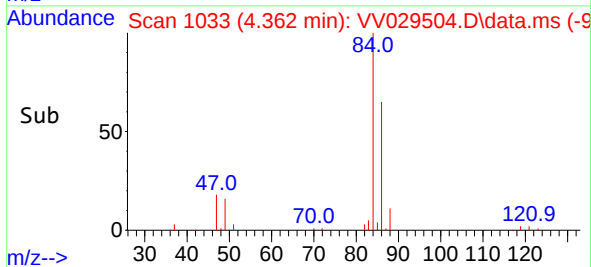
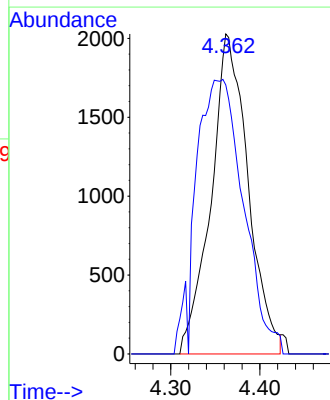
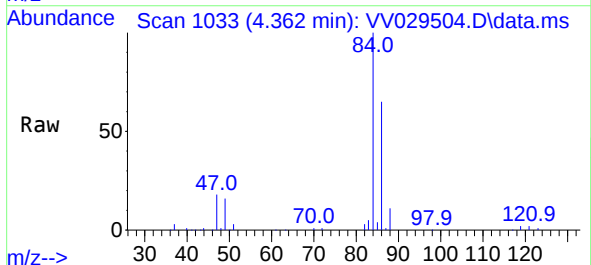
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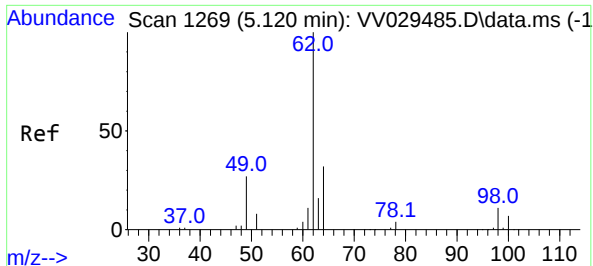
Tgt Ion: 96 Resp: 949922
Ion Ratio Lower Upper
96 100
61 117.4 78.0 144.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.044 ug/L
RT: 4.362 min Scan# 1033
Delta R.T. -0.007 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

Tgt Ion: 83 Resp: 5848
Ion Ratio Lower Upper
83 100
85 84.1 45.1 83.9#

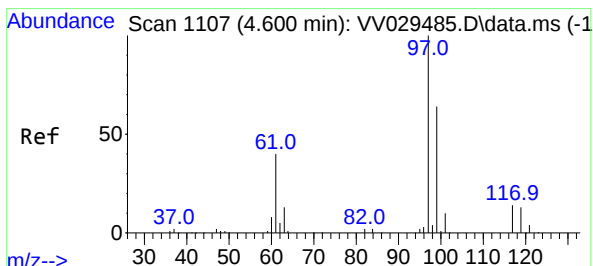
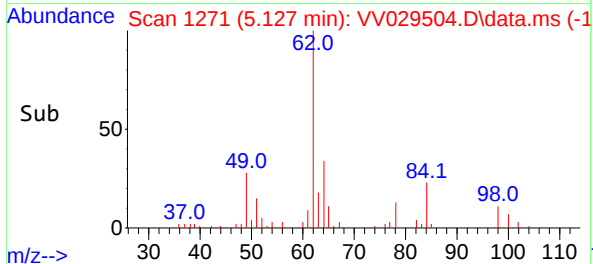
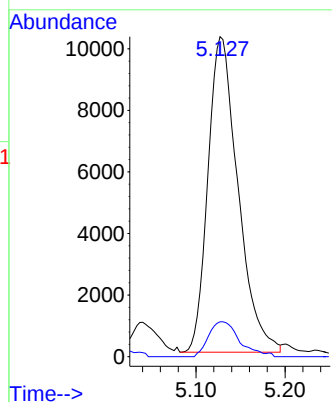
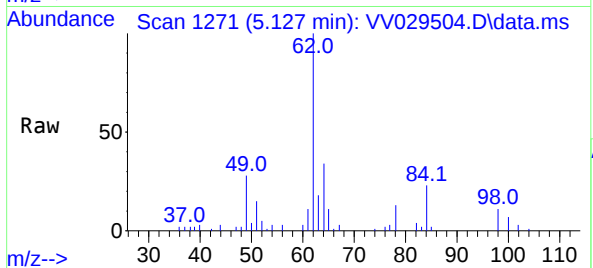




#27
1,2-Dichloroethane
Concen: 6.074 ug/L
RT: 5.127 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

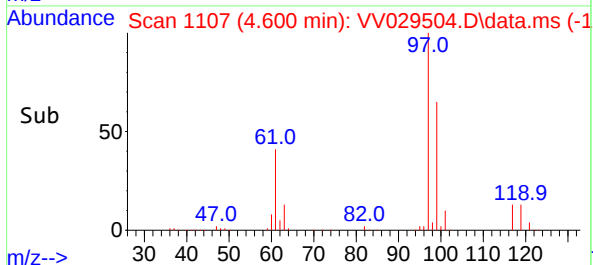
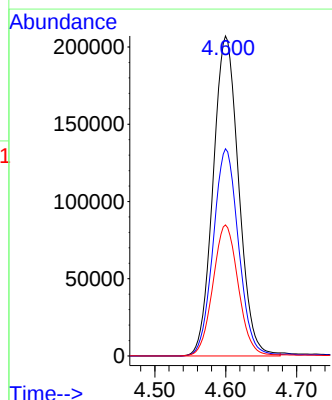
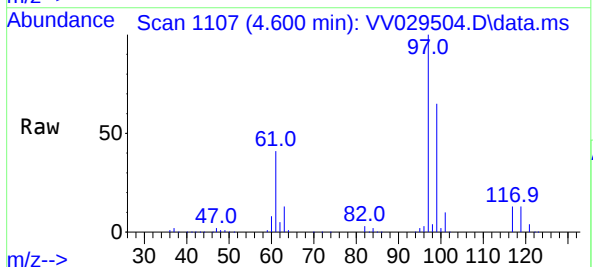
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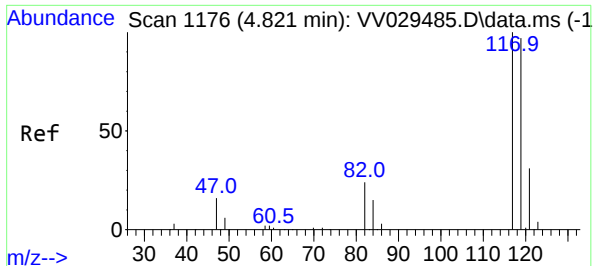
Tgt Ion: 62 Resp: 24044
Ion Ratio Lower Upper
62 100
98 10.9 9.4 14.0



#30
1,1,1-Trichloroethane
Concen: 99.445 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

Tgt Ion: 97 Resp: 519738
Ion Ratio Lower Upper
97 100
99 64.3 52.1 78.1
61 40.7 31.8 47.8

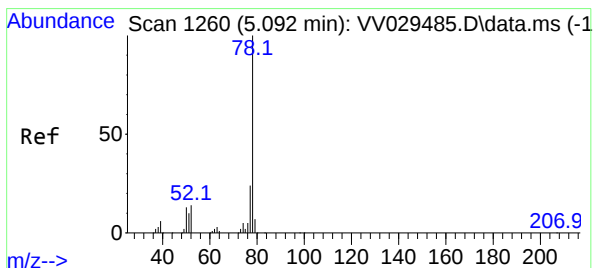
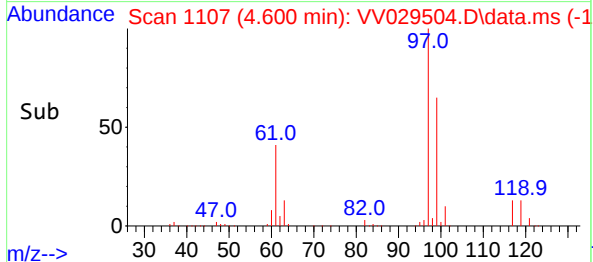
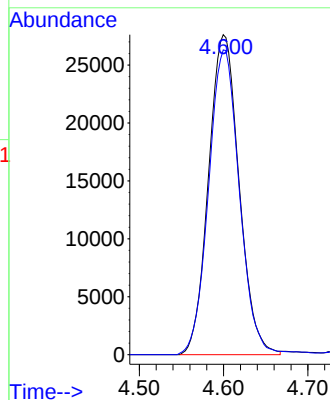
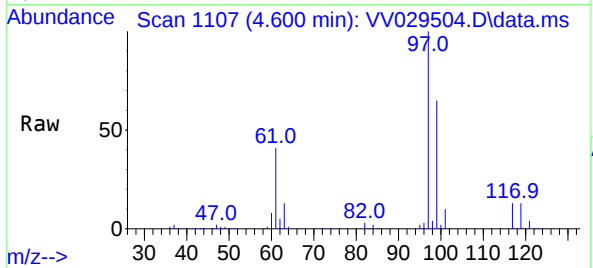




#31
Carbon tetrachloride
Concen: 15.216 ug/L
RT: 4.600 min Scan# 1176
Delta R.T. -0.222 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

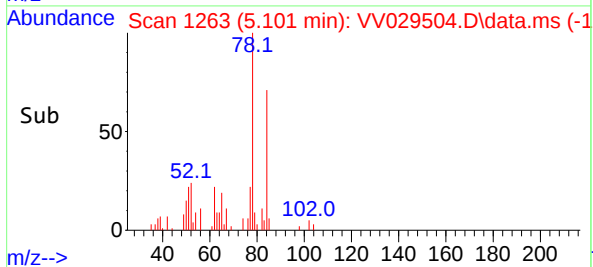
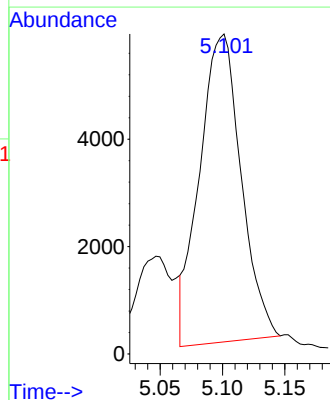
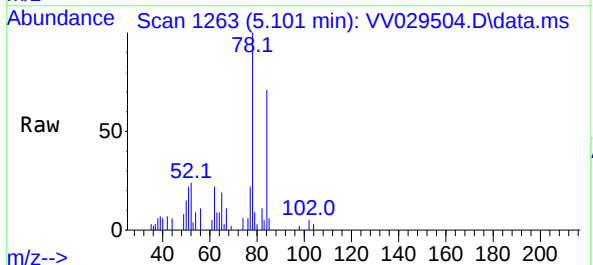
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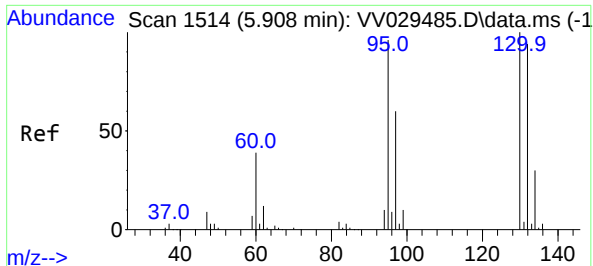
Tgt Ion:117 Resp: 69444
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 0.983 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

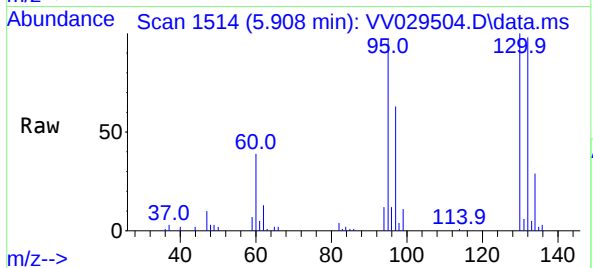
Tgt Ion: 78 Resp: 13298





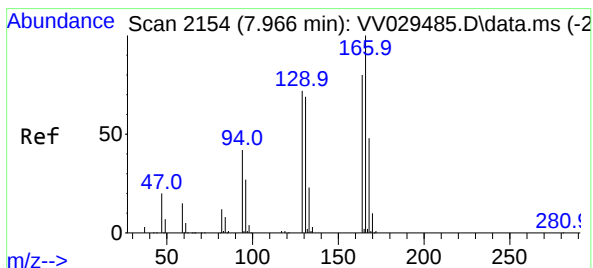
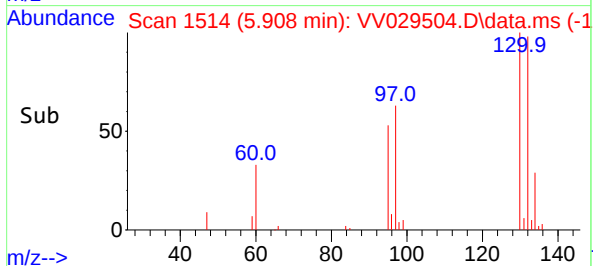
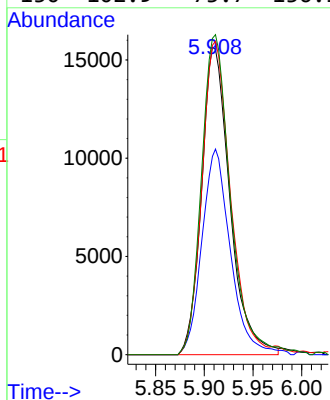
#34
Trichloroethene
Concen: 9.335 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

Instrument :
MSVOA_V
ClientSampleId :
EXZ64

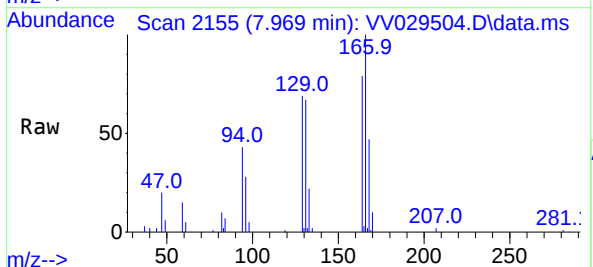


Tgt Ion: 95 Resp: 31629

Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.0	81.8
132	100.7	69.9	129.9
130	102.9	73.7	136.9

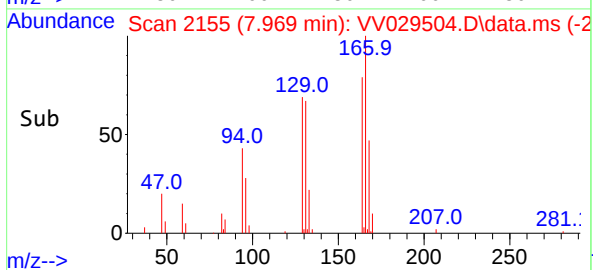
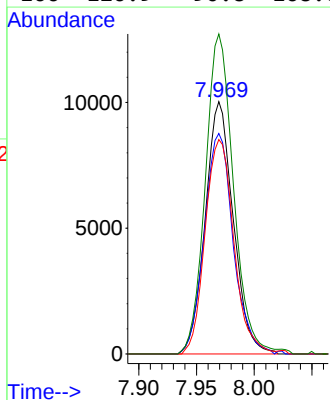


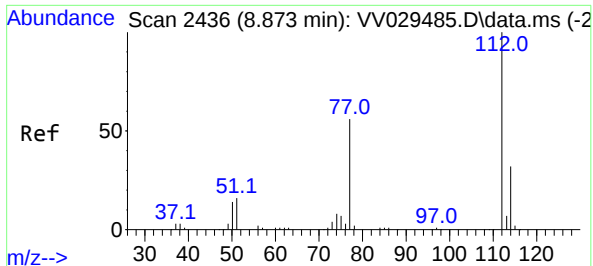
#46
Tetrachloroethene
Concen: 6.218 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36



Tgt Ion: 164 Resp: 16939

Ion	Ratio	Lower	Upper
164	100		
129	87.4	65.3	121.3
131	85.0	63.1	117.1
166	126.9	90.8	168.6

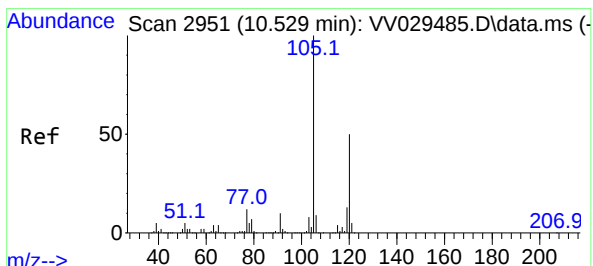
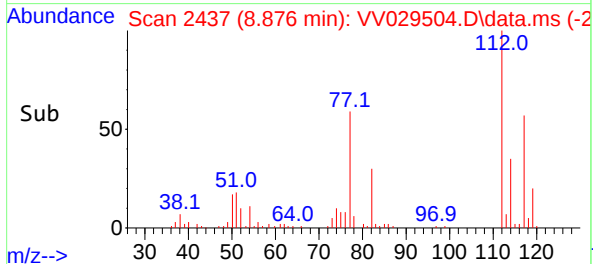
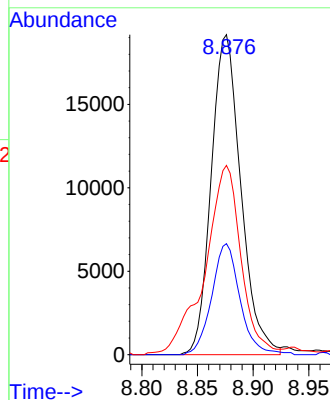
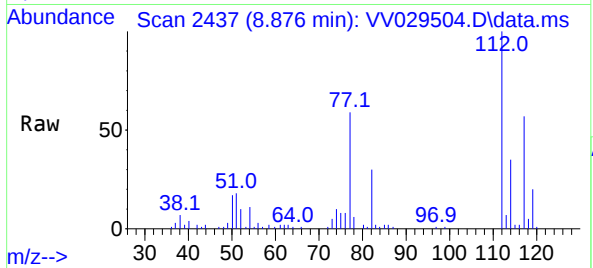




#51
Chlorobenzene
Concen: 3.852 ug/L
RT: 8.876 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

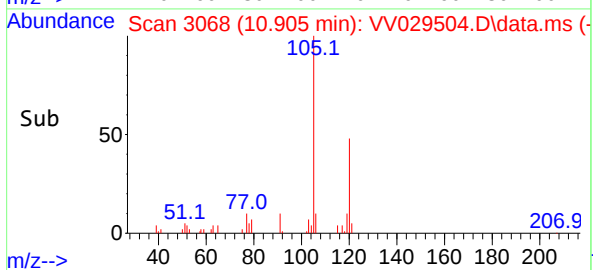
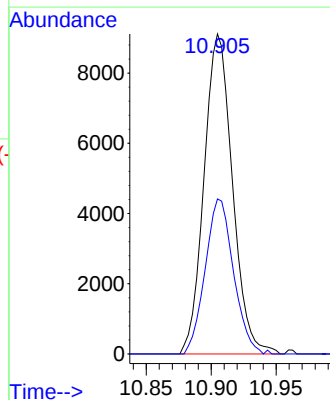
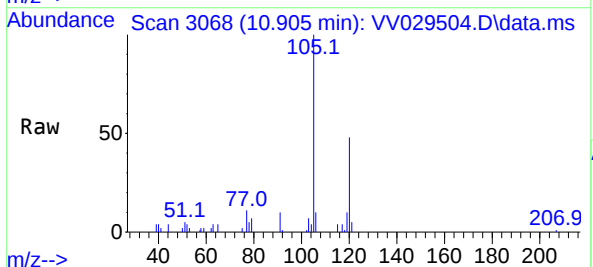
Instrument :
MSVOA_V
ClientSampleId :
EXZ64

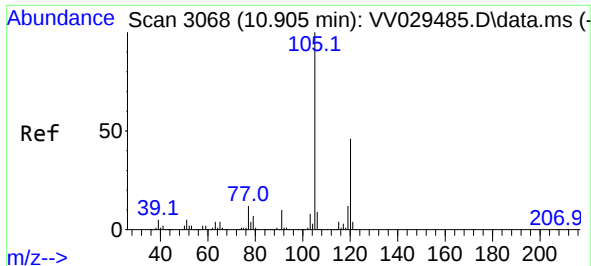
Tgt Ion:112 Resp: 35498
Ion Ratio Lower Upper
112 100
114 34.7 22.3 41.3
77 59.2 45.0 67.4



#62
1,3,5-Trimethylbenzene
Concen: 1.058 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.376 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

Tgt Ion:105 Resp: 13877
Ion Ratio Lower Upper
105 100
120 48.1 40.0 60.0

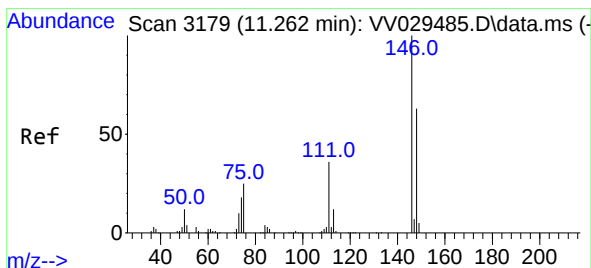
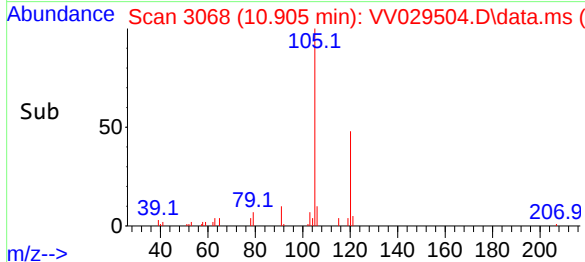
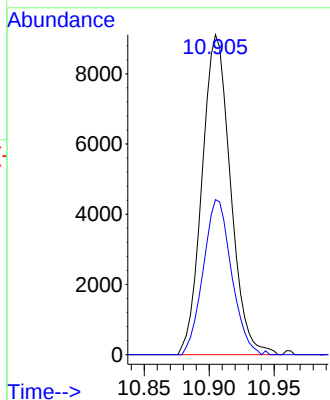
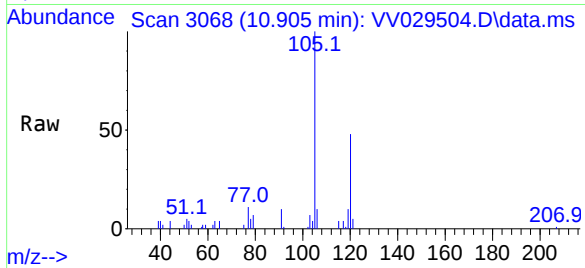




#63
1,2,4-Trimethylbenzene
Concen: 1.068 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

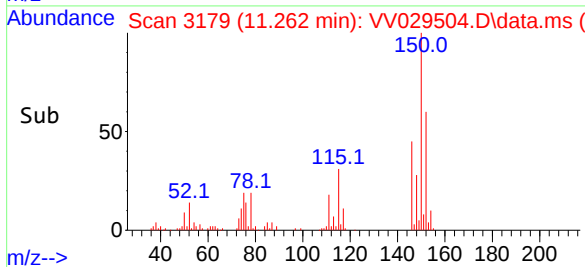
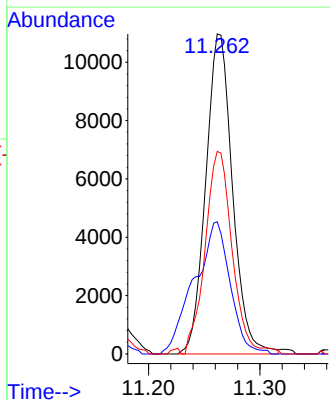
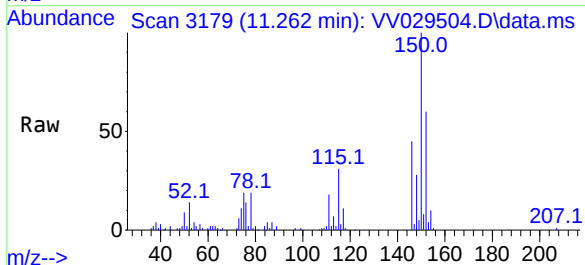
Instrument :
MSVOA_V
ClientSampleId :
EXZ64

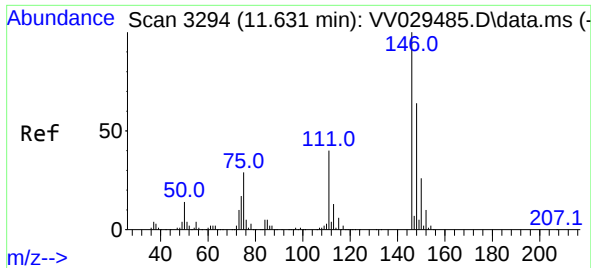
Tgt Ion:105 Resp: 13877
Ion Ratio Lower Upper
105 100
120 48.1 36.7 55.1



#65
1,4-Dichlorobenzene
Concen: 2.487 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029504.D
Acq: 09 Dec 2022 03:36

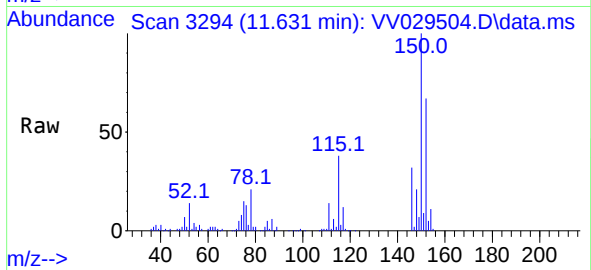
Tgt Ion:146 Resp: 18325
Ion Ratio Lower Upper
146 100
111 41.3 26.2 48.8
148 63.3 44.7 83.1





#67
 1,2-Dichlorobenzene
 Concen: 3.492 ug/L
 RT: 11.631 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV029504.D
 Acq: 09 Dec 2022 03:36

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ64



Tgt Ion:146 Resp: 25887

Ion	Ratio	Lower	Upper
146	100		
111	43.7	32.0	48.0
148	65.4	50.6	76.0

