

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027863.D
 Acq On : 15 Sep 2022 18:41
 Operator : SY/MD
 Sample : N4652-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ32

Quant Time: Sep 16 01:35:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 01:29:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	120589	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.850	117	121317	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	62946	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40089	5.043	ug/L	0.01
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.800%		
7) Chloroethane-d5	1.568	69	33613	4.985	ug/L	0.01
Spiked Amount	5.000	Range 65 - 130	Recovery	= 99.600%		
11) 1,1-Dichloroethene-d2	2.108	63	61152	3.625	ug/L	0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	= 72.600%		
20) 2-Butanone-d5	3.889	46	83600	47.457	ug/L	-0.05
Spiked Amount	50.000	Range 40 - 130	Recovery	= 94.920%		
24) Chloroform-d	4.346	84	85285	5.240	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.800%		
26) 1,2-Dichloroethane-d4	5.030	65	44629	5.149	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 103.000%		
32) Benzene-d6	5.047	84	151863	4.315	ug/L	0.02
Spiked Amount	5.000	Range 70 - 125	Recovery	= 86.200%		
36) 1,2-Dichloropropane-d6	6.066	67	45042	4.371	ug/L	0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 87.400%		
41) Toluene-d8	7.313	98	123194	4.163	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 83.200%		
43) trans-1,3-Dichloroprop...	7.622	79	14658	4.240	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 84.800%		
46) 2-Hexanone-d5	8.088	63	61318	47.718	ug/L	-0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	= 95.440%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31426	4.749	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 95.000%		
66) 1,2-Dichlorobenzene-d4	11.622	152	53646	5.188	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 103.800%		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.310	62	1231949	113.473	ug/L	98
8) Chloroethane	1.584	64	406932	65.273	ug/L	98
12) 1,1-Dichloroethene	2.117	96	24162	3.023	ug/L	88
16) Methylene chloride	2.506	84	2216	0.215	ug/L	83
18) trans-1,2-Dichloroethene	2.760	96	31634	3.748	ug/L	89
19) 1,1-Dichloroethane	3.185	63	4148981	261.956	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	1939627	210.865	ug/L #	88
27) 1,2-Dichloroethane	5.137	62	17030	1.598	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	445666	23.885	ug/L	96
33) Benzene	5.101	78	13836	0.345	ug/L	100
34) Trichloroethene	5.915	95	20108	2.005	ug/L	97
35) Methylcyclohexane	6.130	83	5556	0.361	ug/L	95
42) Toluene	7.390	91	12688	0.327	ug/L	99
47) Tetrachloroethene	7.976	164	6868	0.853	ug/L	97
52) Ethylbenzene	9.017	91	5369	0.133	ug/L	97
53) m,p-Xylene	9.143	106	1108	0.070	ug/L #	59
54) o-Xylene	9.548	106	1893	0.125	ug/L	93
60) Isopropylbenzene	9.931	105	38094	0.967	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	5065	0.161	ug/L	98

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 Response via : Initial Calibration

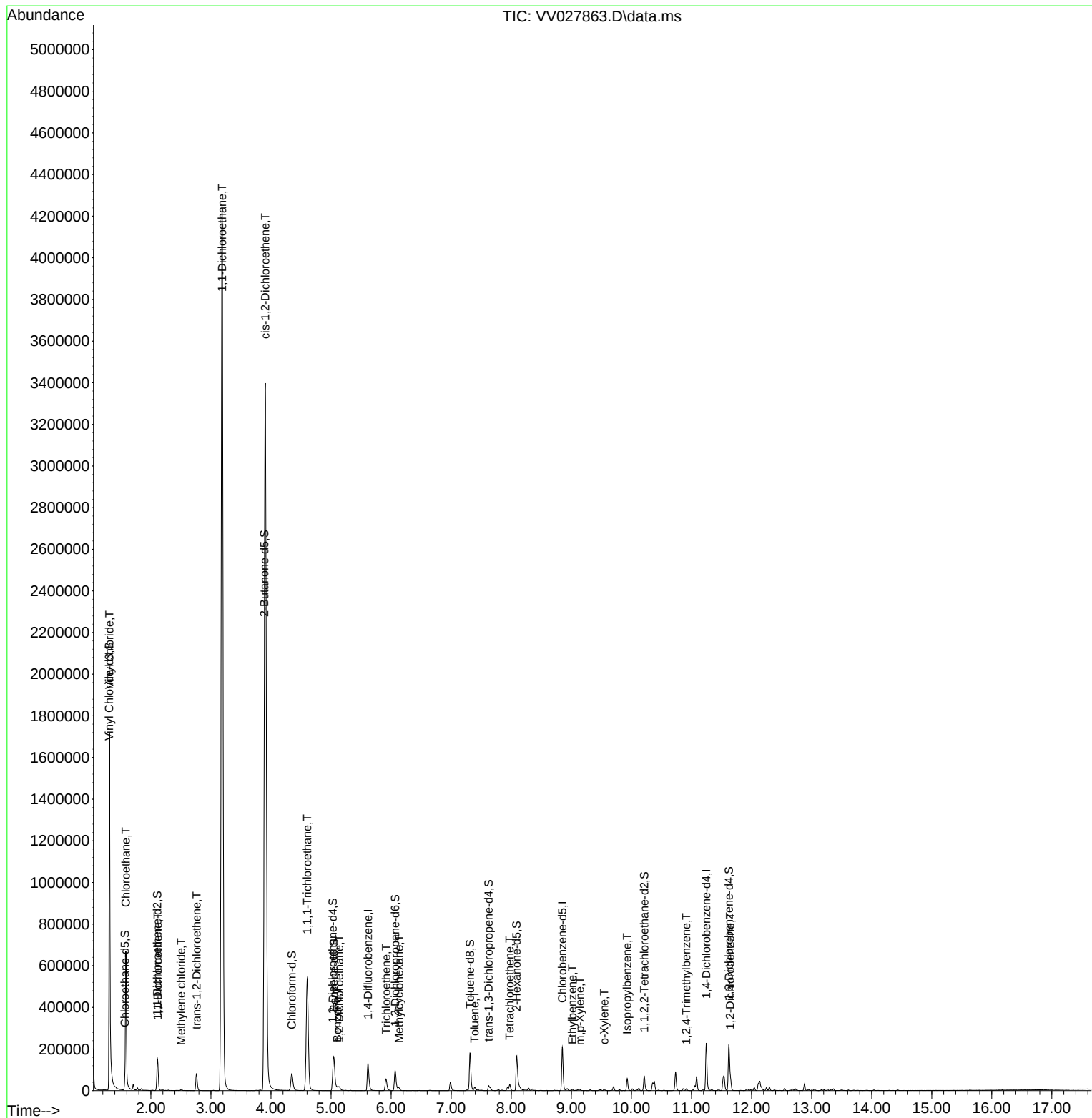
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.644	146	12996	0.718	ug/L	96

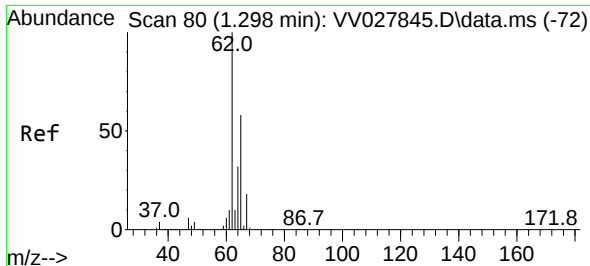
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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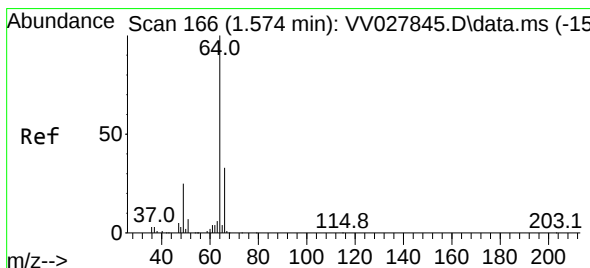
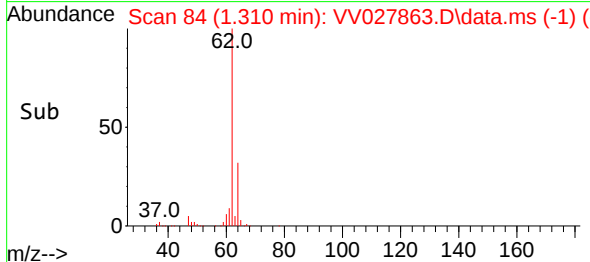
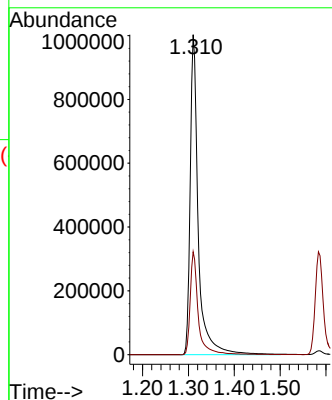
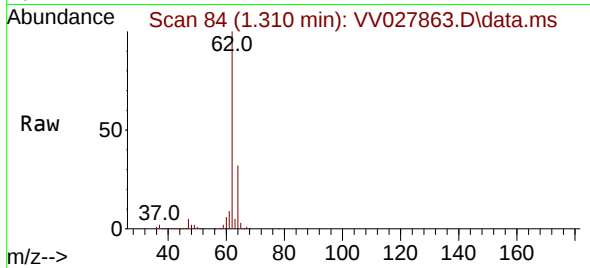




#5
 Vinyl chloride
 Concen: 113.473 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.013 min
 Lab File: VV027863.D
 Acq: 15 Sep 2022 18:41

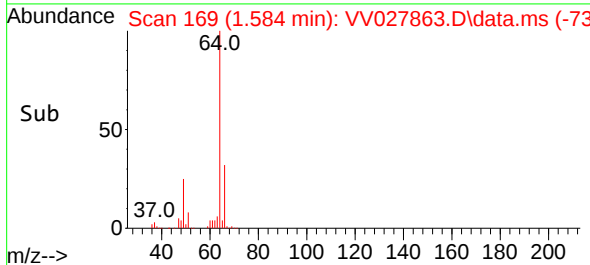
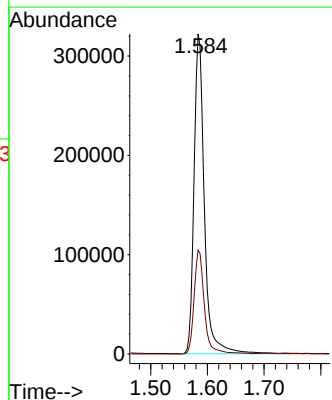
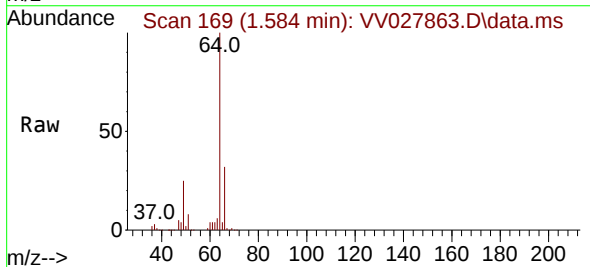
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ32

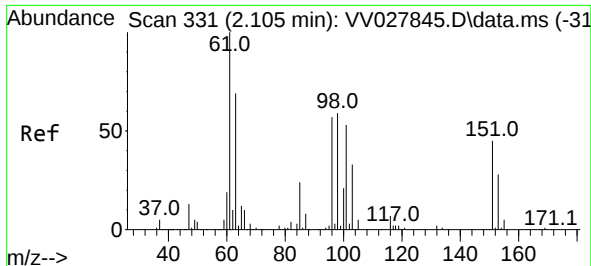
Tgt Ion: 62 Resp: 1231949
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.2 43.2



#8
 Chloroethane
 Concen: 65.273 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.010 min
 Lab File: VV027863.D
 Acq: 15 Sep 2022 18:41

Tgt Ion: 64 Resp: 406932
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.1 41.1





#12

1,1-Dichloroethene

Concen: 3.023 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Instrument :

MSVOA_V

ClientSampleId :

EXZ32

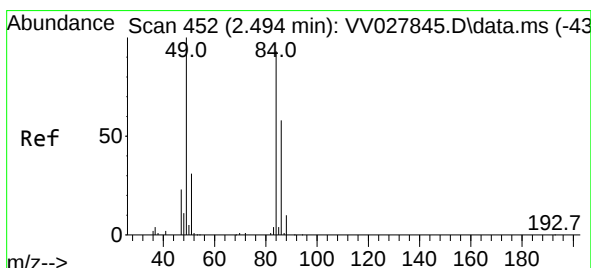
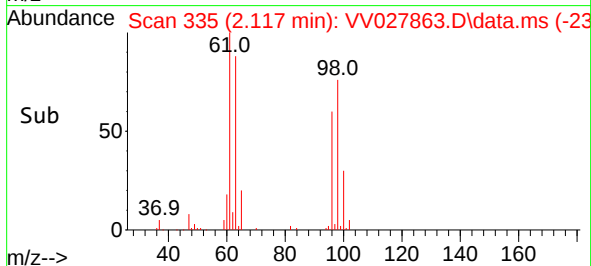
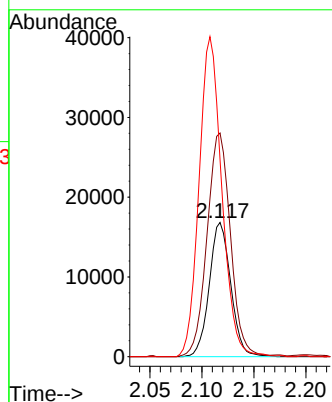
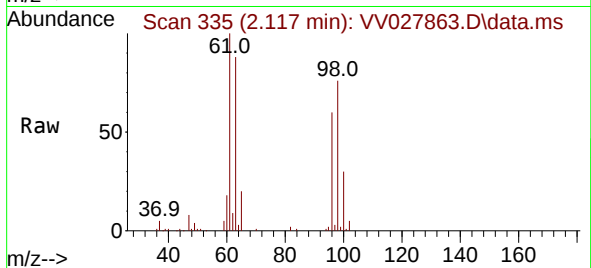
Tgt Ion: 96 Resp: 24162

Ion Ratio Lower Upper

96 100

61 166.7 129.9 241.3

63 146.8 94.6 175.8



#16

Methylene chloride

Concen: 0.215 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.013 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

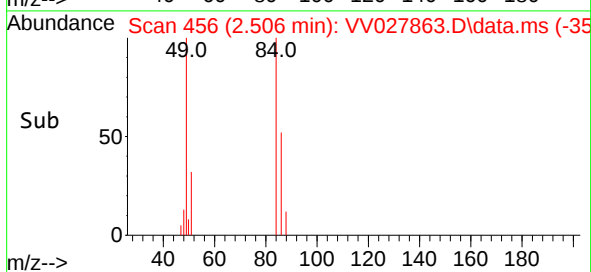
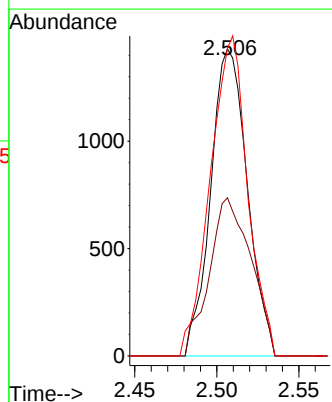
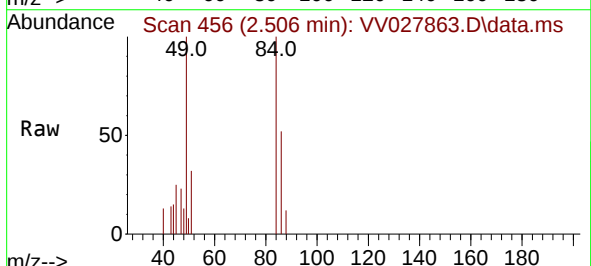
Tgt Ion: 84 Resp: 2216

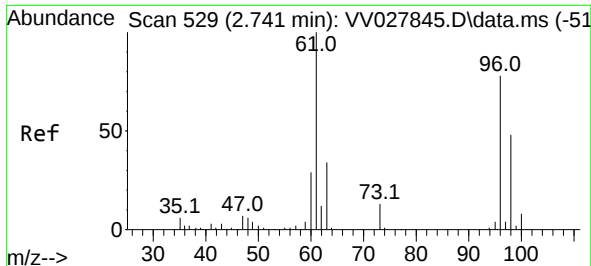
Ion Ratio Lower Upper

84 100

86 51.5 44.9 83.3

49 108.0 90.1 167.3

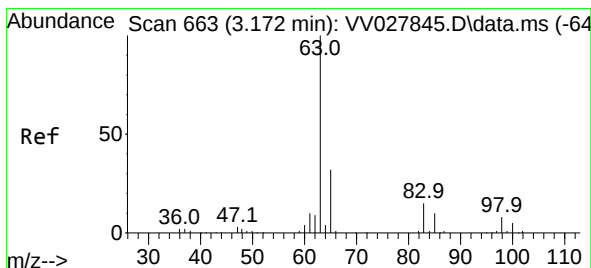
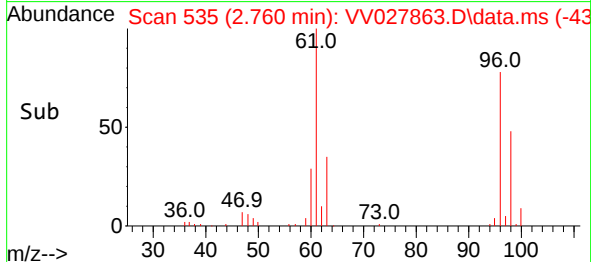
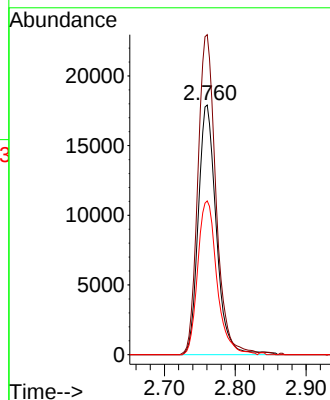
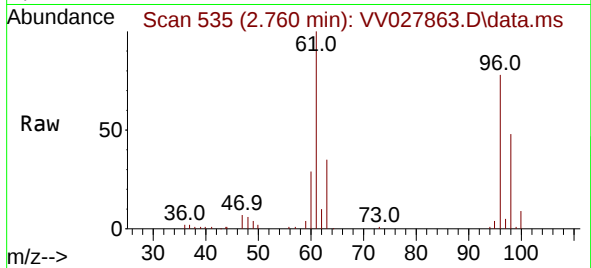




#18
trans-1,2-Dichloroethene
Concen: 3.748 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.019 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

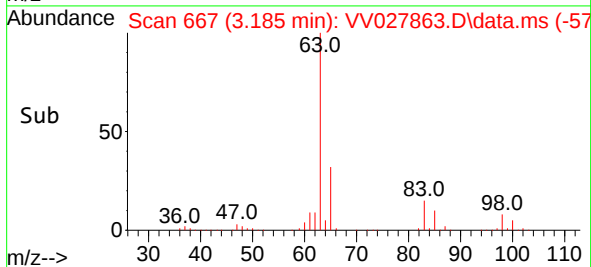
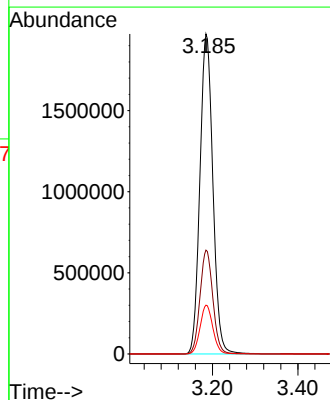
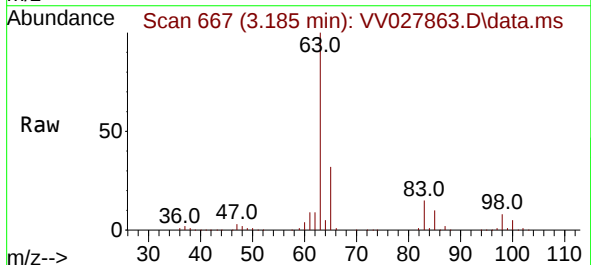
Instrument :
MSVOA_V
ClientSampleId :
EXZ32

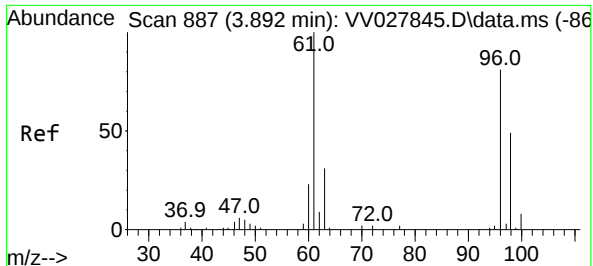
Tgt Ion: 96 Resp: 31634
Ion Ratio Lower Upper
96 100
61 128.2 102.6 190.5
98 61.6 44.0 81.8



#19
1,1-Dichloroethane
Concen: 261.956 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.013 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Tgt Ion: 63 Resp: 4148981
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 15.3 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 210.865 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.013 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Instrument :

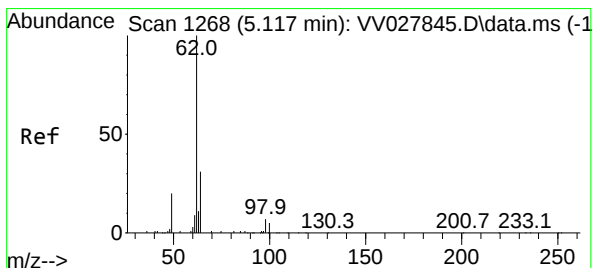
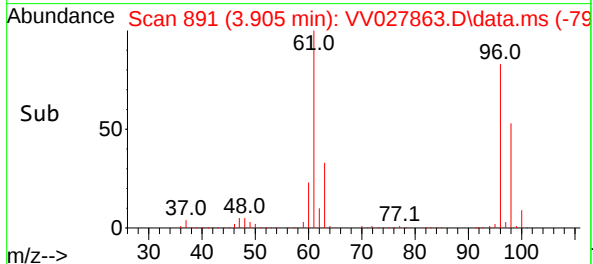
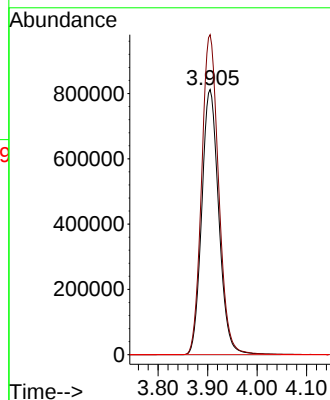
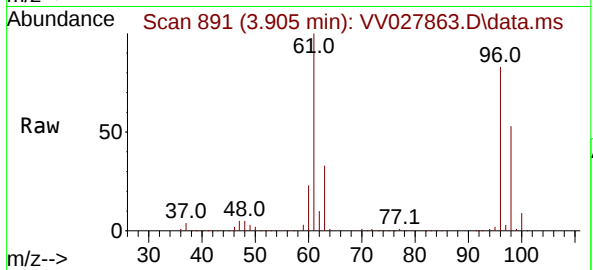
MSVOA_V

ClientSampleId :

EXZ32

Tgt Ion: 96 Resp: 1939627

Ion	Ratio	Lower	Upper
96	100		
61	120.7	94.6	175.6
68	0.0	0.3	0.5



#27

1,2-Dichloroethane

Concen: 1.598 ug/L

RT: 5.137 min Scan# 1274

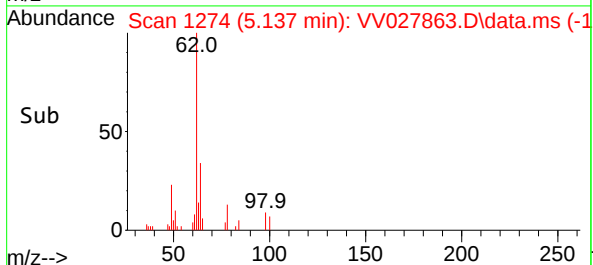
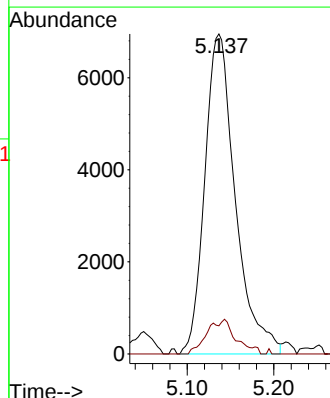
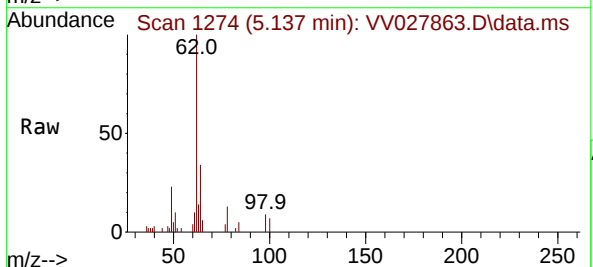
Delta R.T. 0.019 min

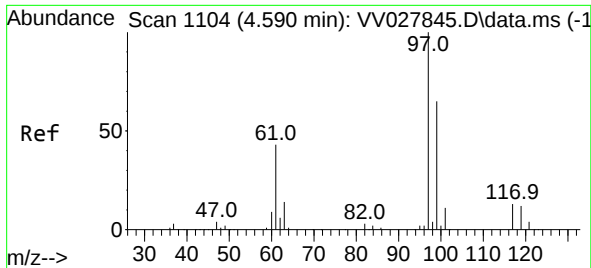
Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Tgt Ion: 62 Resp: 17030

Ion	Ratio	Lower	Upper
62	100		
98	8.8	7.1	10.7





#29

1,1,1-Trichloroethane

Concen: 23.885 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.013 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Instrument :

MSVOA_V

ClientSampleId :

EXZ32

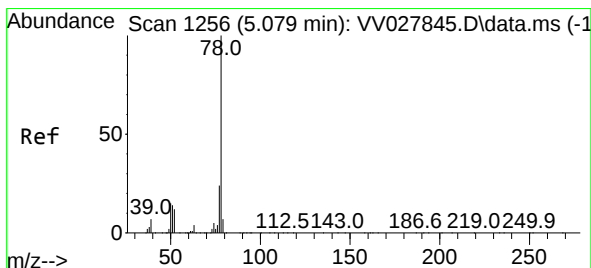
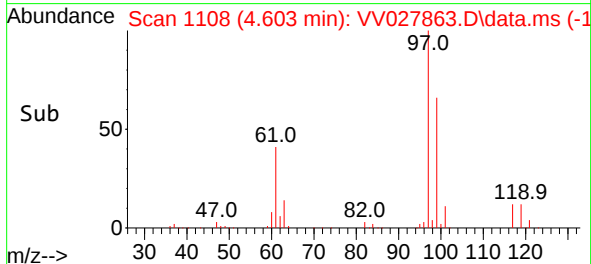
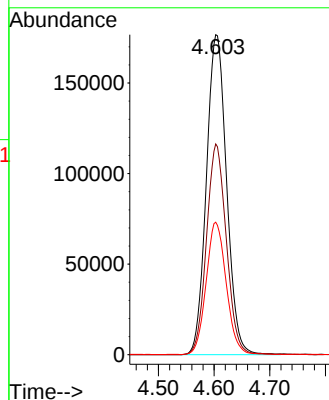
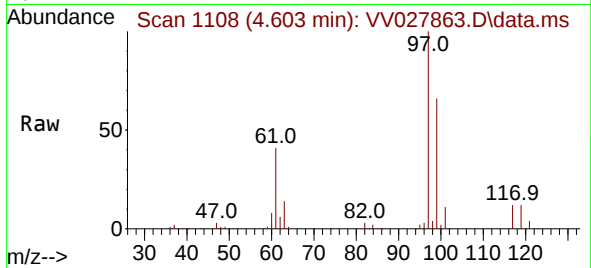
Tgt Ion: 97 Resp: 445666

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

61 41.0 36.2 54.4



#33

Benzene

Concen: 0.345 ug/L

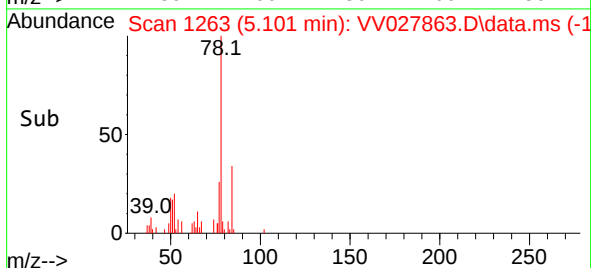
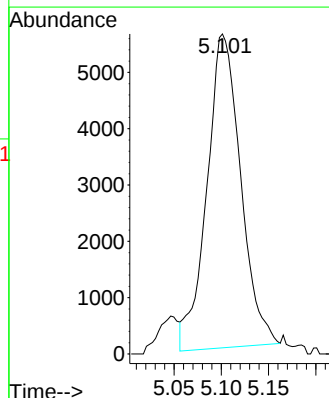
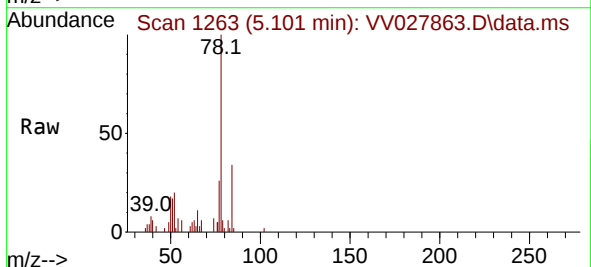
RT: 5.101 min Scan# 1263

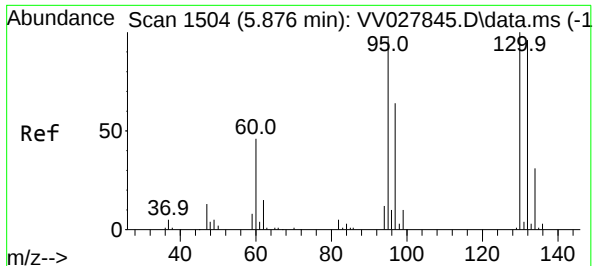
Delta R.T. 0.022 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Tgt Ion: 78 Resp: 13836



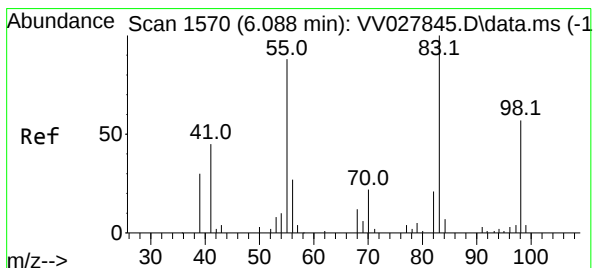
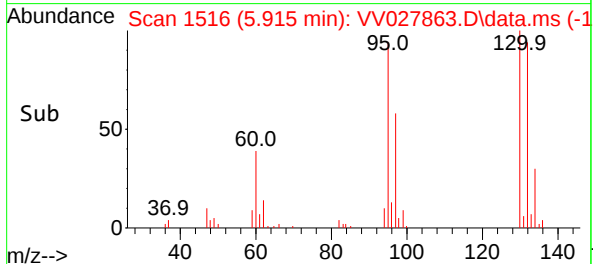
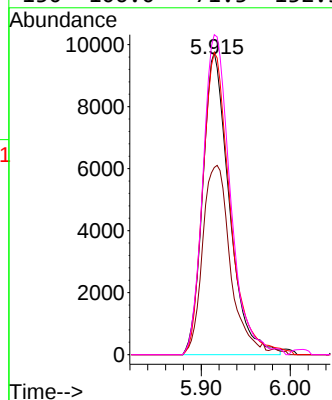
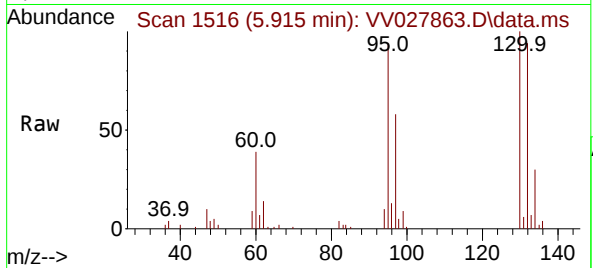


#34
Trichloroethene
Concen: 2.005 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.038 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Instrument :
MSVOA_V
ClientSampleId :
EXZ32

Tgt Ion: 95 Resp: 20108

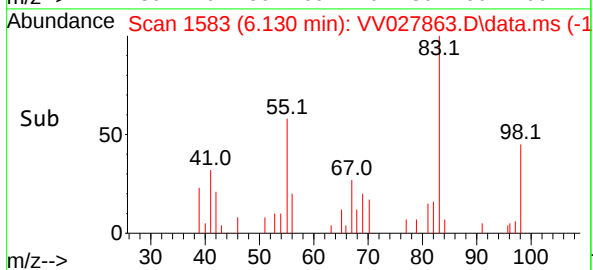
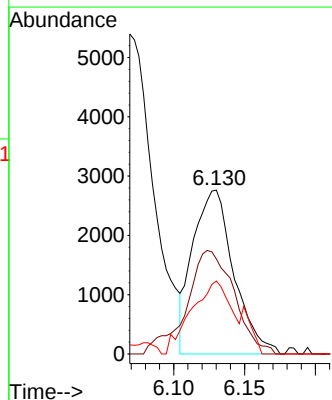
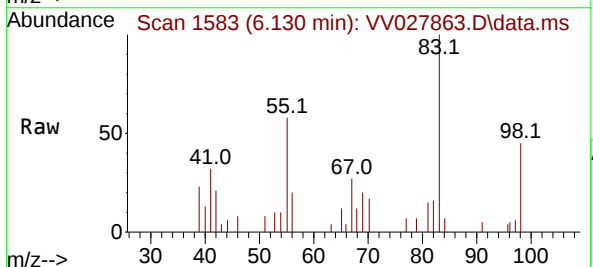
Ion	Ratio	Lower	Upper
95	100		
97	62.0	42.9	79.7
132	100.1	67.9	126.1
130	106.0	71.3	132.3

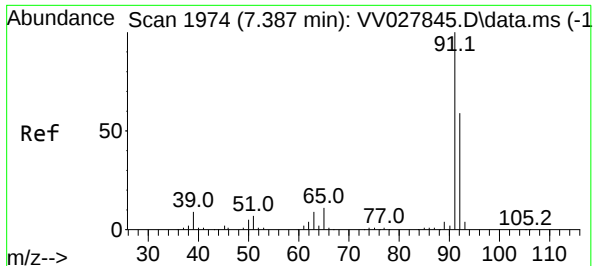


#35
Methylcyclohexane
Concen: 0.361 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.042 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Tgt Ion: 83 Resp: 5556

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.9	92.9
98	42.9	37.5	56.3

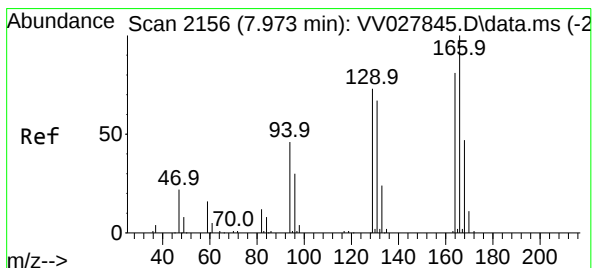
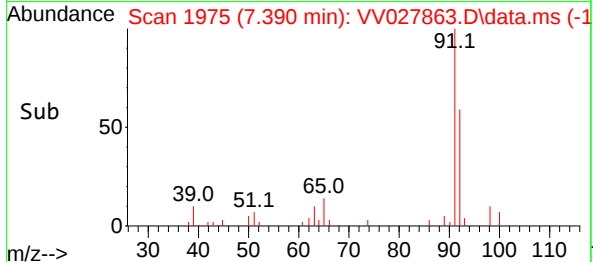
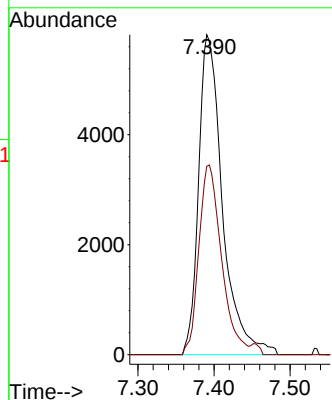
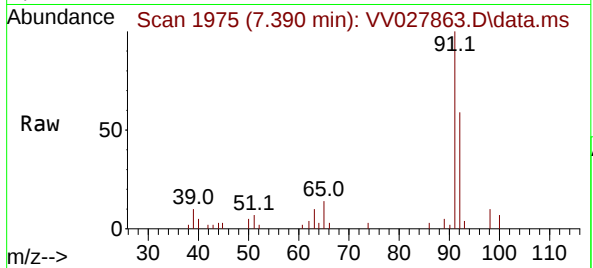




#42
Toluene
Concen: 0.327 ug/L
RT: 7.390 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

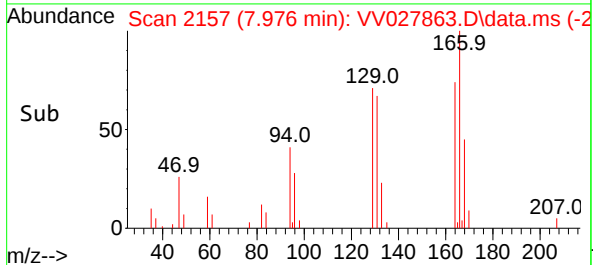
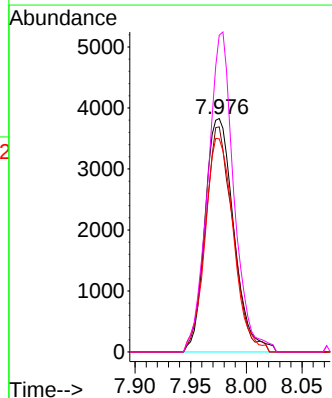
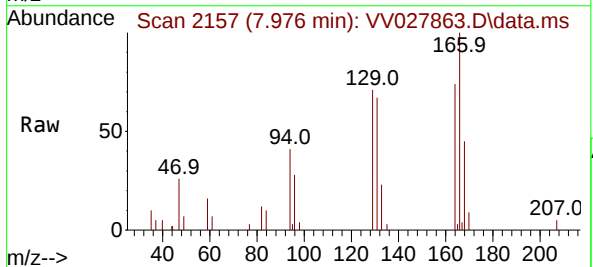
Instrument :
MSVOA_V
ClientSampleId :
EXZ32

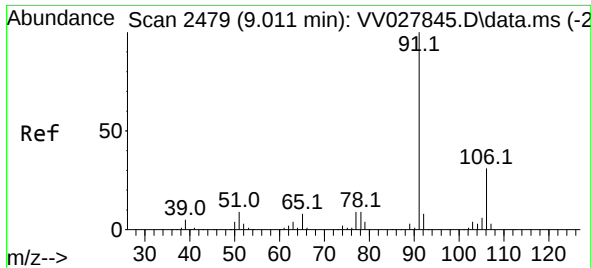
Tgt Ion: 91 Resp: 12688
Ion Ratio Lower Upper
91 100
92 58.8 40.8 75.8



#47
Tetrachloroethene
Concen: 0.853 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Tgt Ion: 164 Resp: 6868
Ion Ratio Lower Upper
164 100
129 96.4 67.2 124.8
131 91.3 61.5 114.3
166 135.7 91.1 169.3

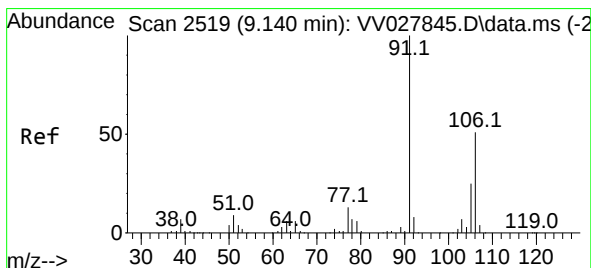
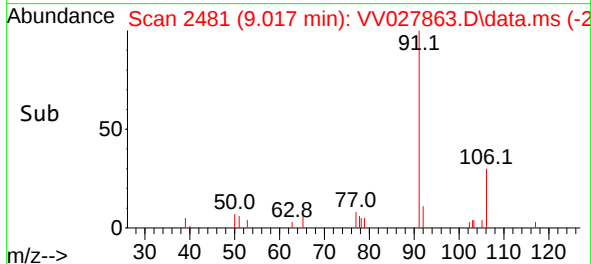
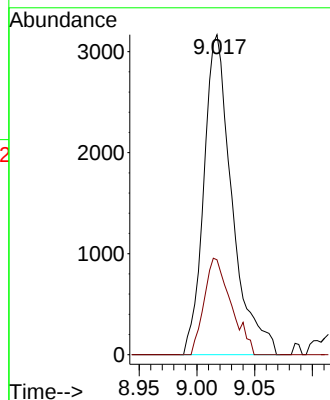
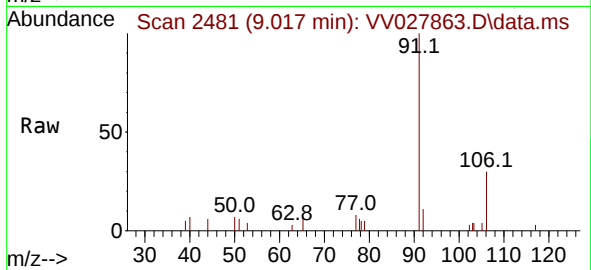




#52
Ethylbenzene
Concen: 0.133 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

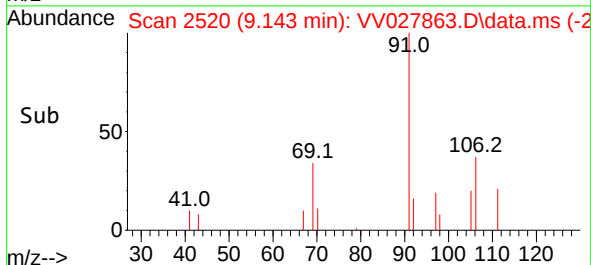
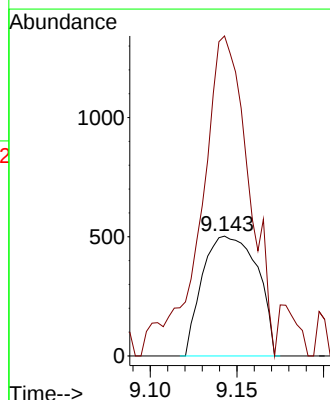
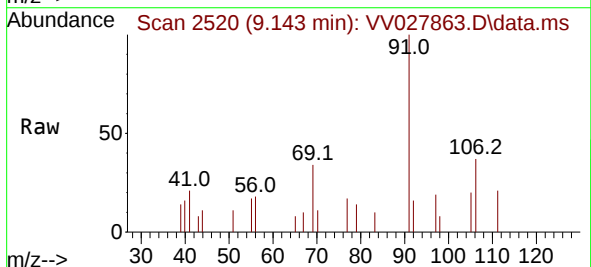
Instrument :
MSVOA_V
ClientSampleId :
EXZ32

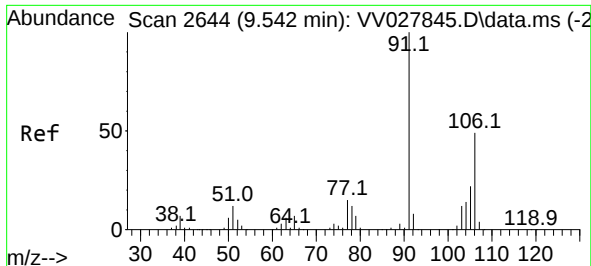
Tgt Ion: 91 Resp: 5369
Ion Ratio Lower Upper
91 100
106 29.7 22.0 40.8



#53
m,p-Xylene
Concen: 0.070 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Tgt Ion: 106 Resp: 1108
Ion Ratio Lower Upper
106 100
91 266.8 142.4 264.4#

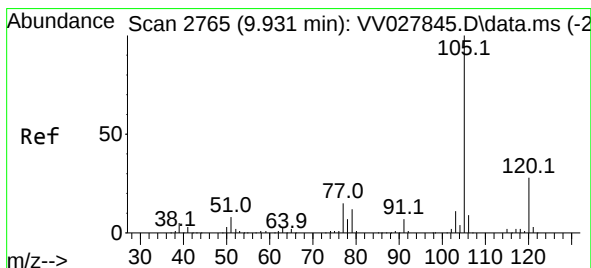
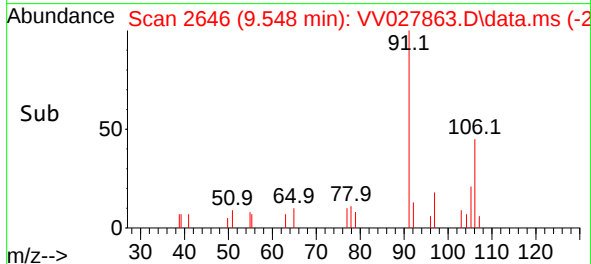
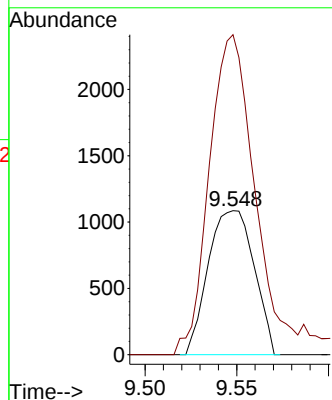
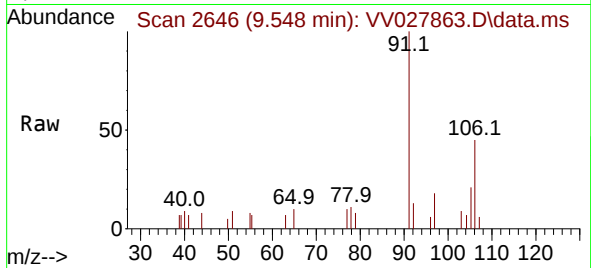




#54
o-Xylene
Concen: 0.125 ug/L
RT: 9.548 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

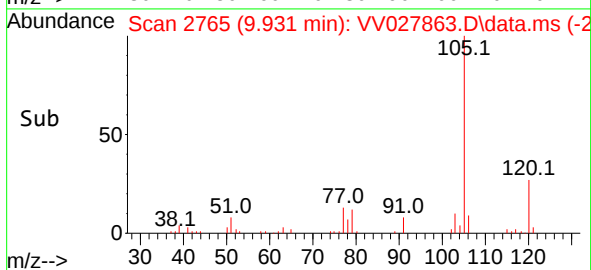
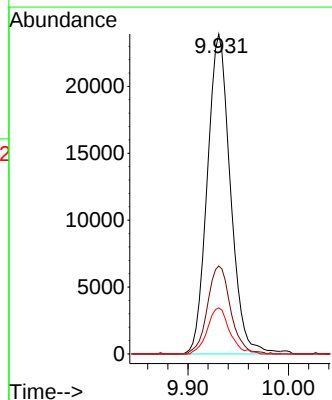
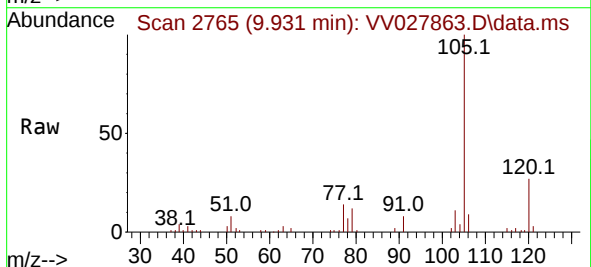
Instrument :
MSVOA_V
ClientSampleId :
EXZ32

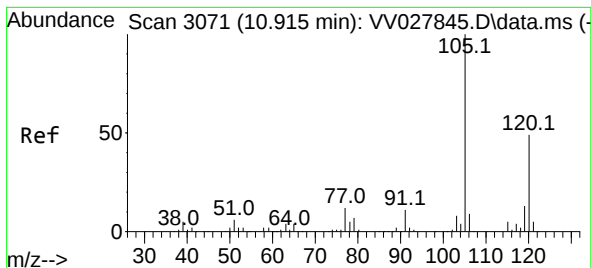
Tgt Ion:106 Resp: 1893
Ion Ratio Lower Upper
106 100
91 222.2 147.5 273.9



#60
Isopropylbenzene
Concen: 0.967 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV027863.D
Acq: 15 Sep 2022 18:41

Tgt Ion:105 Resp: 38094
Ion Ratio Lower Upper
105 100
120 27.6 21.3 31.9
77 14.0 12.6 18.8





#63

1,2,4-Trimethylbenzene

Concen: 0.161 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Instrument :

MSVOA_V

ClientSampleId :

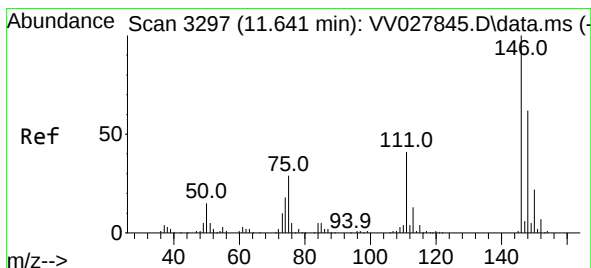
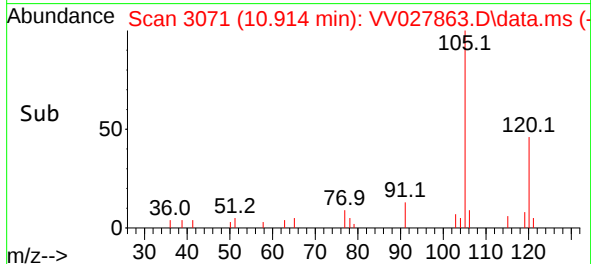
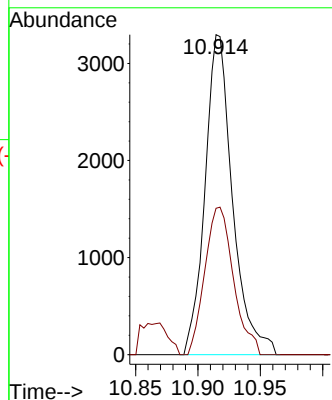
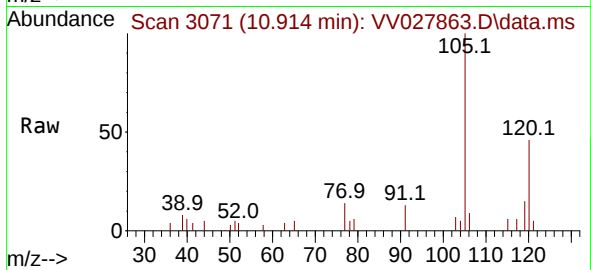
EXZ32

Tgt Ion:105 Resp: 5065

Ion Ratio Lower Upper

105 100

120 47.9 37.4 56.0



#67

1,2-Dichlorobenzene

Concen: 0.718 ug/L

RT: 11.644 min Scan# 3298

Delta R.T. 0.003 min

Lab File: VV027863.D

Acq: 15 Sep 2022 18:41

Tgt Ion:146 Resp: 12996

Ion Ratio Lower Upper

146 100

111 43.5 33.1 49.7

148 66.0 49.8 74.6

