

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027865.D
 Acq On : 15 Sep 2022 19:30
 Operator : SY/MD
 Sample : N4652-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ35

Quant Time: Sep 16 01:35:47 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	123325	5.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.850	117	123358	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	59532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31437	3.867	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.568	69	33790	4.900	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.108	63	51001	2.957	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.889	46	82498	45.792	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.580%
24) Chloroform-d	4.346	84	88796	5.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.030	65	47113	5.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.400%
32) Benzene-d6	5.047	84	158604	4.432	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.066	67	43259	4.129	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.313	98	125039	4.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	7.625	79	14408	4.099	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.088	63	60788	46.523	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.040%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	30925	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	50016	5.114	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	575	0.052	ug/L	91
5) Vinyl chloride	1.310	62	1215	0.109	ug/L #	44
12) 1,1-Dichloroethene	2.117	96	10613	1.298	ug/L #	46
18) trans-1,2-Dichloroethene	2.764	96	664	0.077	ug/L #	63
19) 1,1-Dichloroethane	3.188	63	30355	1.874	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	13036	1.386	ug/L #	84
25) Chloroform	4.371	83	1396	0.078	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	90766	4.784	ug/L	96
31) Carbon tetrachloride	4.603	117	11218	0.696	ug/L	93
34) Trichloroethene	5.921	95	6356	0.623	ug/L	95
35) Methylcyclohexane	6.066	83	11999	0.766	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	5264	0.544	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	1068	0.087	ug/L #	47
47) Tetrachloroethene	7.976	164	7721	0.944	ug/L	99
49) Dibromochloromethane	7.976	129	7043	0.886	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5457	1.158	ug/L #	61
68) 1,2-Dibromo-3-chloropr...	12.252	75	321	0.317	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 16 01:29:01 2022
Response via : Initial Calibration

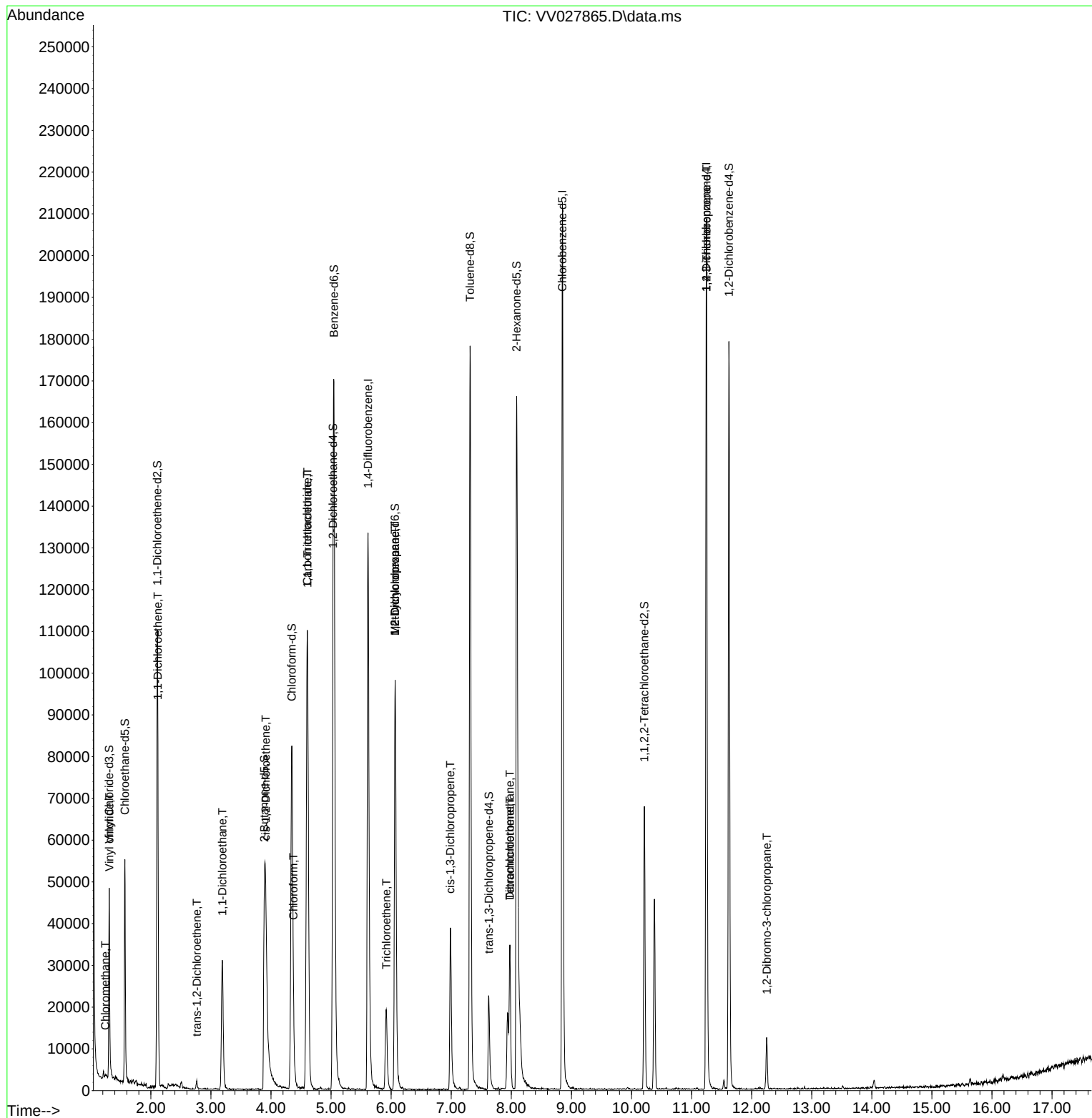
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

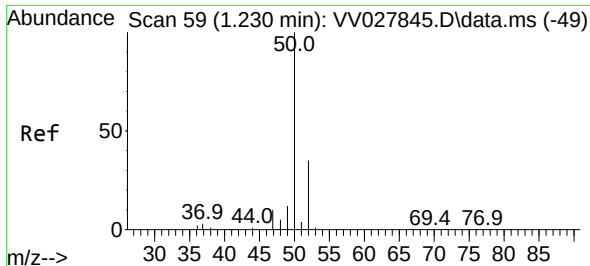
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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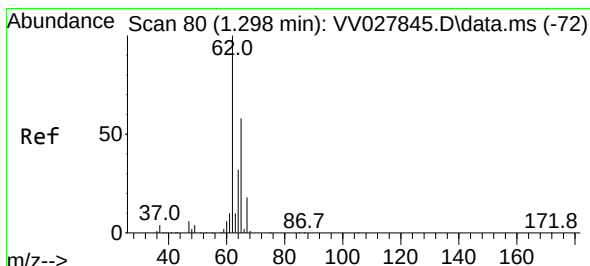
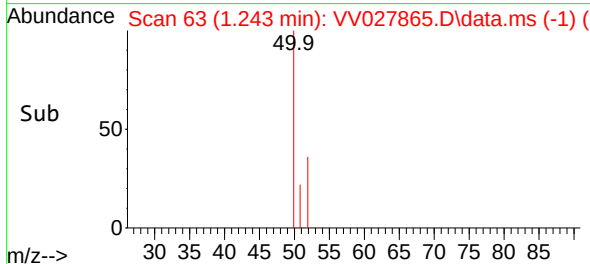
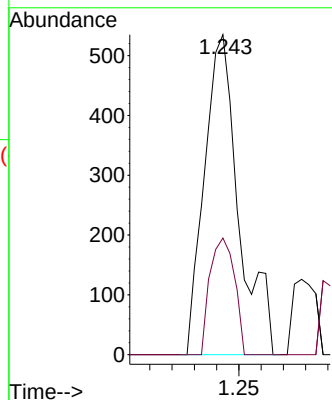
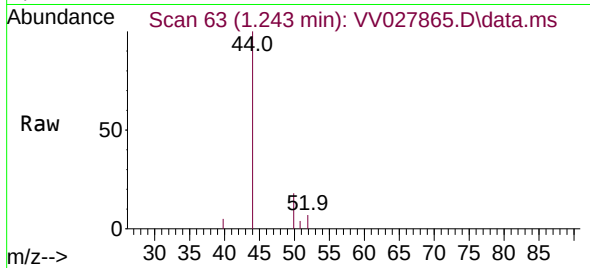




#3
Chloromethane
Concen: 0.052 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.013 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

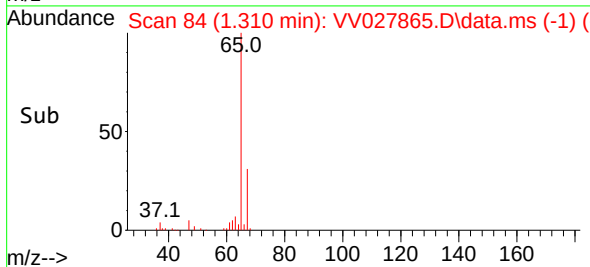
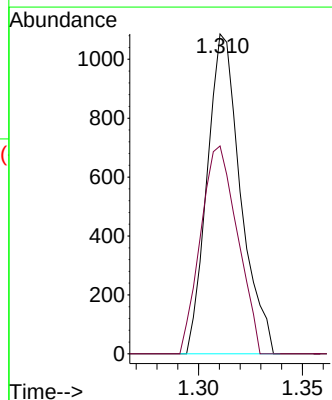
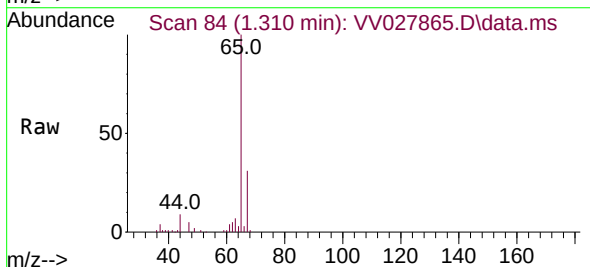
Instrument :
MSVOA_V
ClientSampleId :
EXZ35

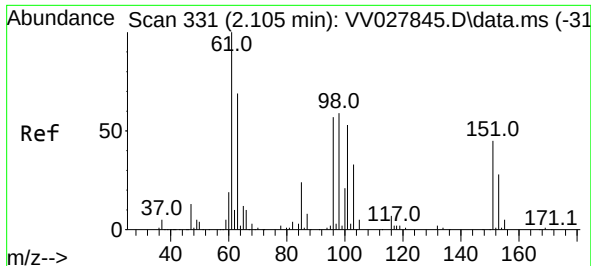
Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 36.4 22.1 41.1



#5
Vinyl chloride
Concen: 0.109 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.013 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

Tgt Ion: 62 Resp: 1215
Ion Ratio Lower Upper
62 100
64 65.0 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 1.298 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Instrument :

MSVOA_V

ClientSampleId :

EXZ35

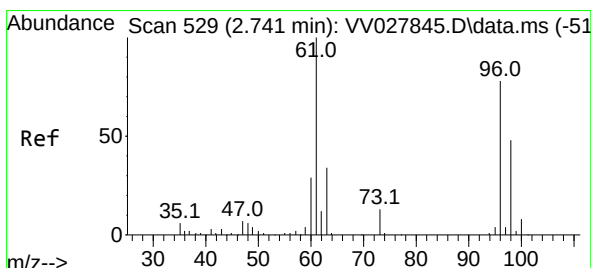
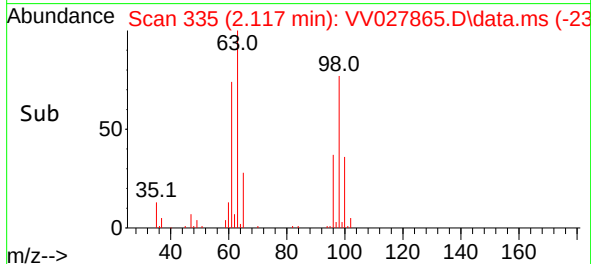
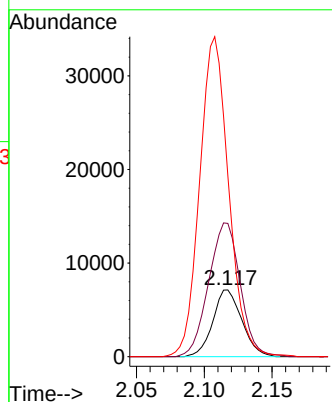
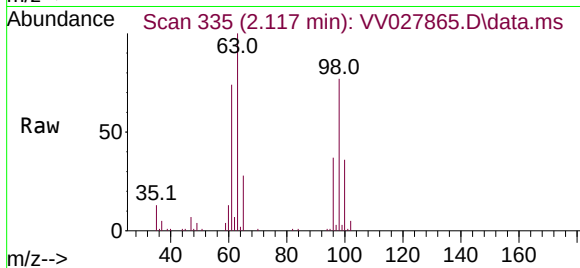
Tgt Ion: 96 Resp: 10613

Ion Ratio Lower Upper

96 100

61 199.9 129.9 241.3

63 271.0 94.6 175.8#



#18

trans-1,2-Dichloroethene

Concen: 0.077 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.022 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

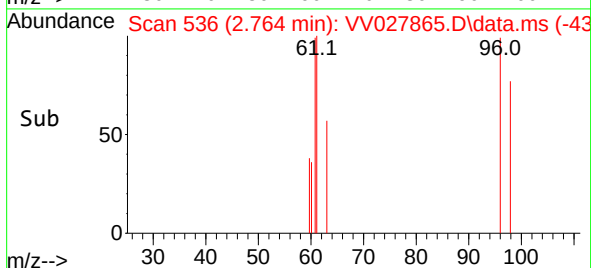
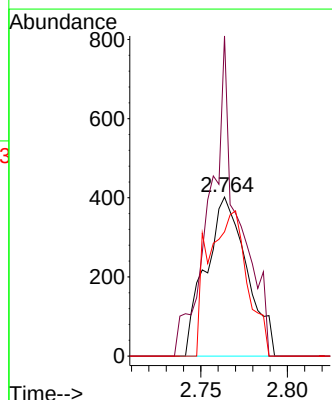
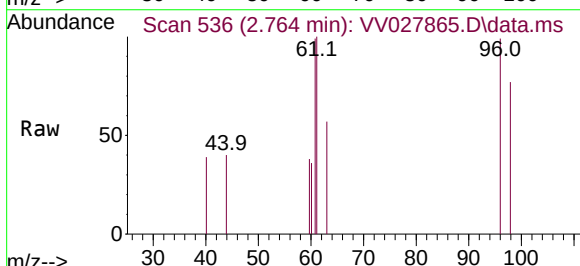
Tgt Ion: 96 Resp: 664

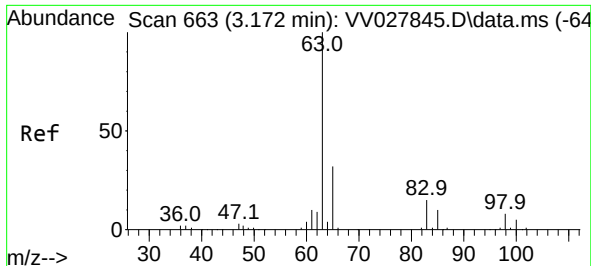
Ion Ratio Lower Upper

96 100

61 201.2 102.6 190.5#

98 78.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 1.874 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.016 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Instrument :

MSVOA_V

ClientSampleId :

EXZ35

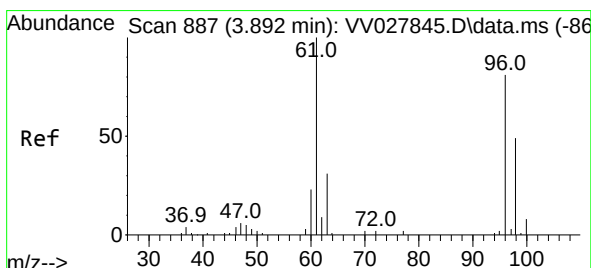
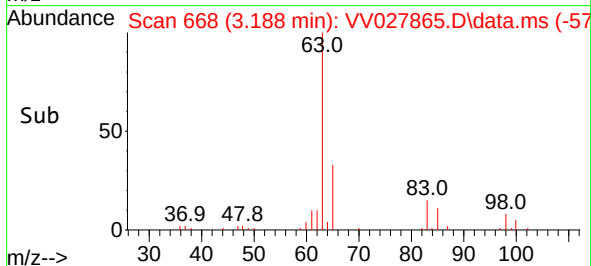
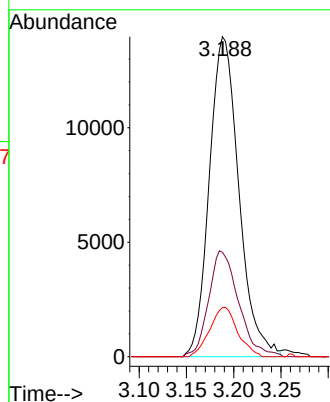
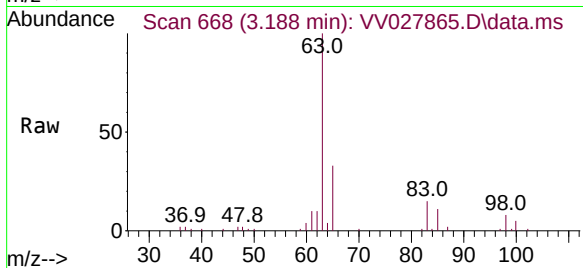
Tgt Ion: 63 Resp: 30355

Ion Ratio Lower Upper

63 100

65 32.6 22.0 41.0

83 15.3 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.386 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.019 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

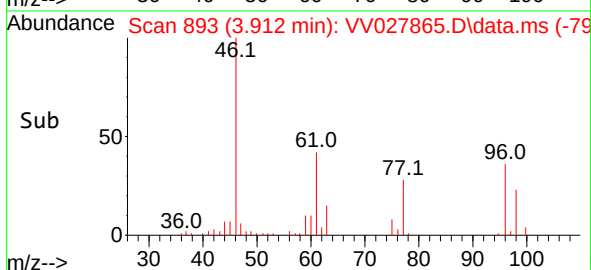
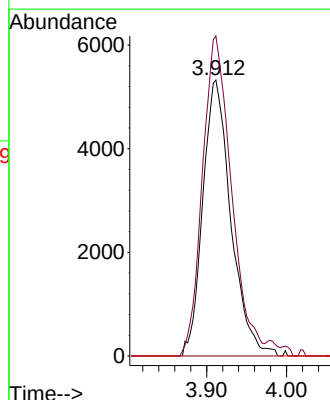
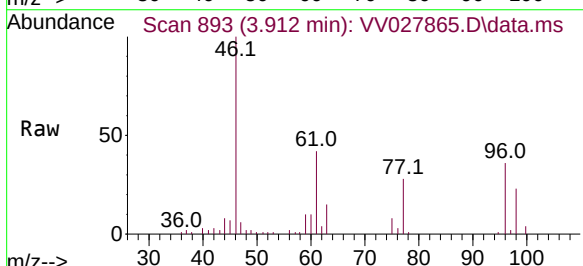
Tgt Ion: 96 Resp: 13036

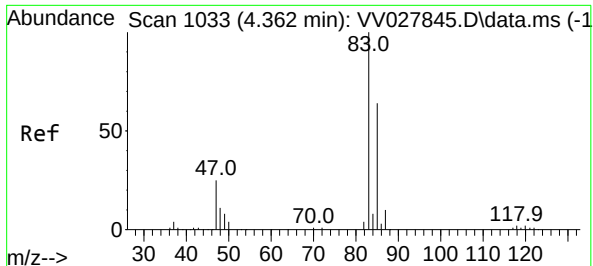
Ion Ratio Lower Upper

96 100

61 115.9 94.6 175.6

68 0.0 0.3 0.5





#25

Chloroform

Concen: 0.078 ug/L

RT: 4.371 min Scan# 1109

Delta R.T. 0.010 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Instrument :

MSVOA_V

ClientSampleId :

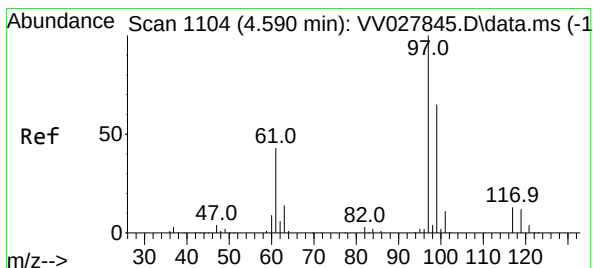
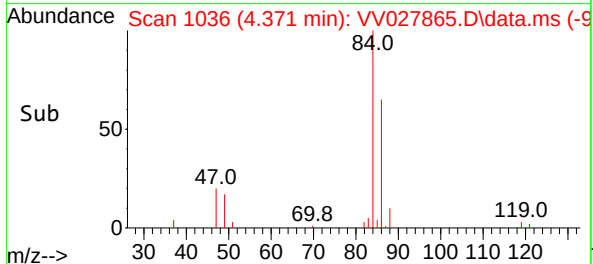
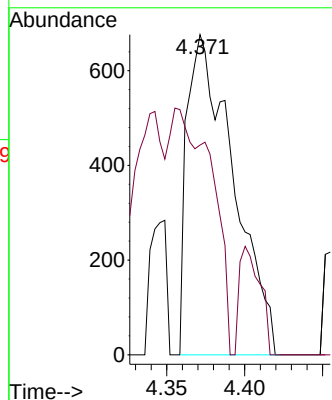
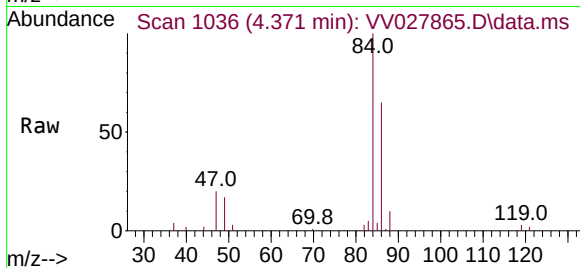
EXZ35

Tgt Ion: 83 Resp: 1396

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.2



#29

1,1,1-Trichloroethane

Concen: 4.784 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

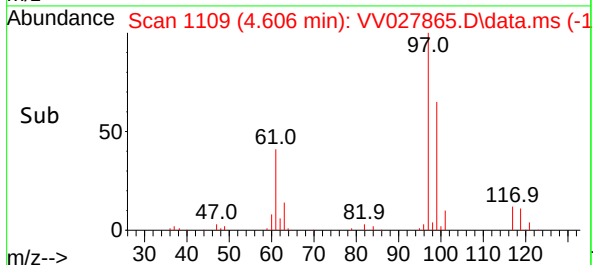
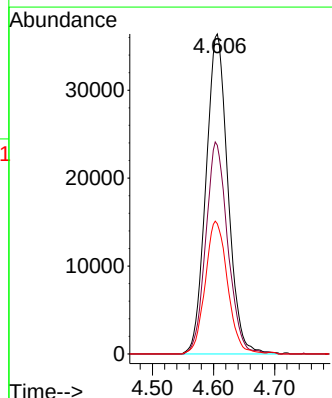
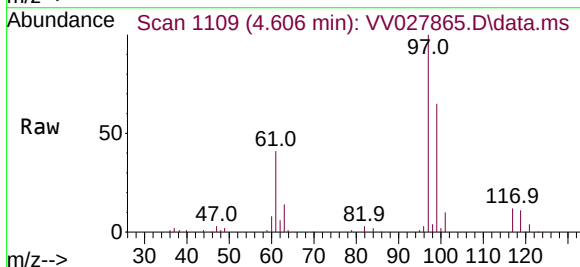
Tgt Ion: 97 Resp: 90766

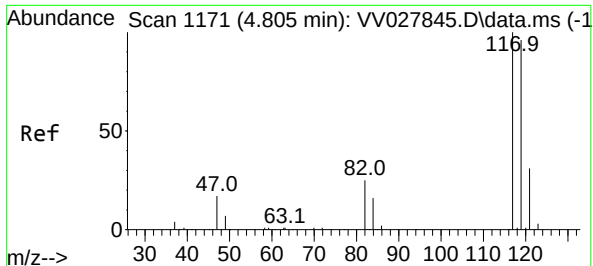
Ion Ratio Lower Upper

97 100

99 66.3 50.8 76.2

61 42.3 36.2 54.4

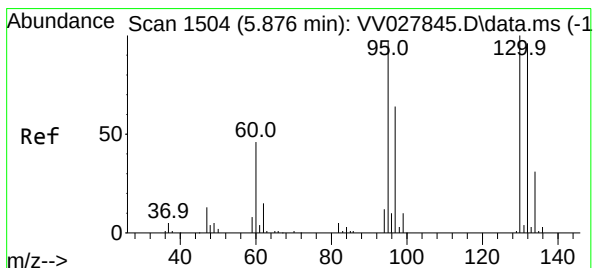
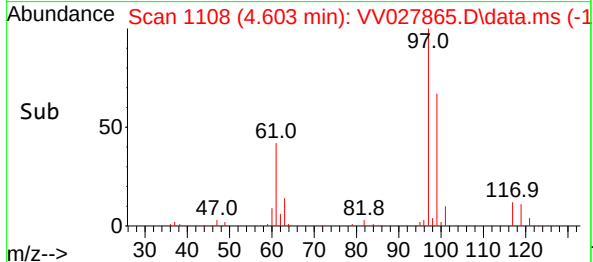
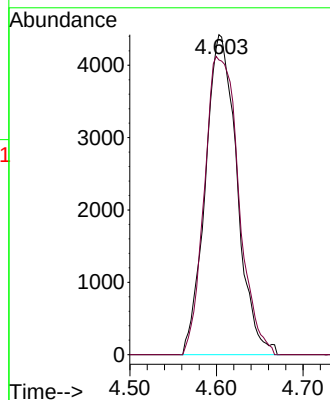
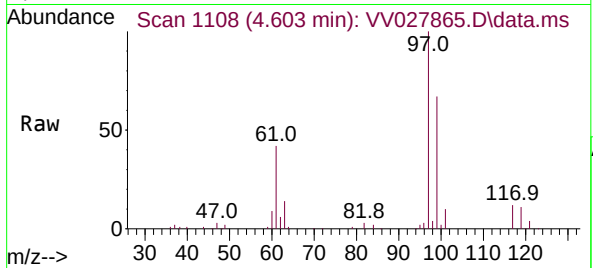




#31
Carbon tetrachloride
Concen: 0.696 ug/L
RT: 4.603 min Scan# 1171
Delta R.T. -0.203 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

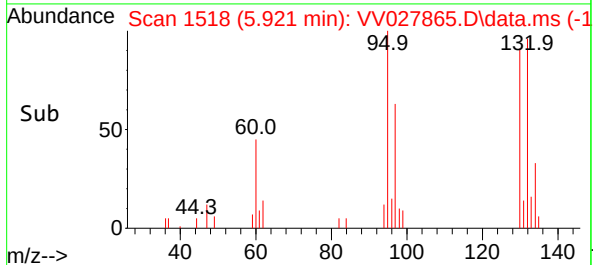
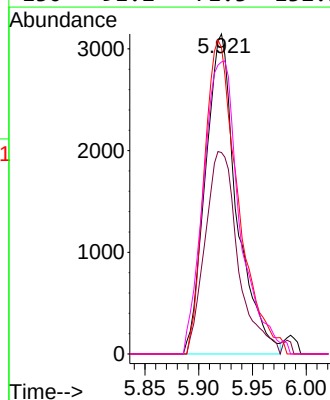
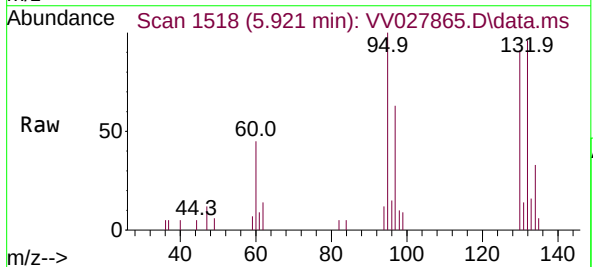
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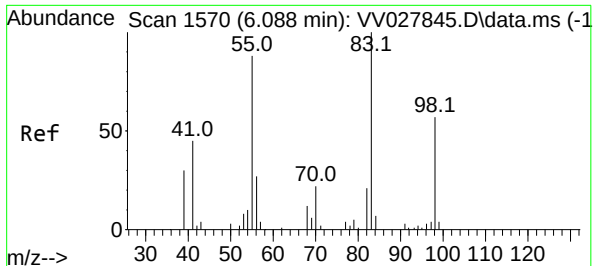
Tgt Ion:117 Resp: 11218
Ion Ratio Lower Upper
117 100
119 101.1 75.8 113.8



#34
Trichloroethene
Concen: 0.623 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.045 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

Tgt Ion: 95 Resp: 6356
Ion Ratio Lower Upper
95 100
97 63.0 42.9 79.7
132 95.8 67.9 126.1
130 91.2 71.3 132.3

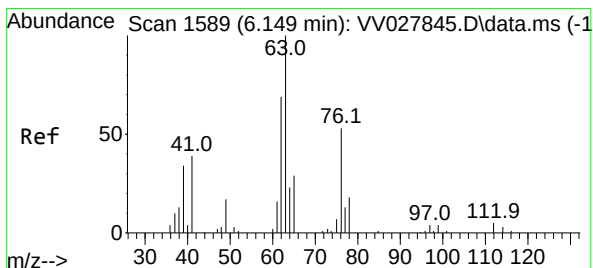
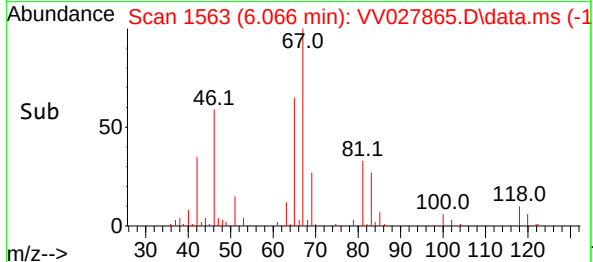
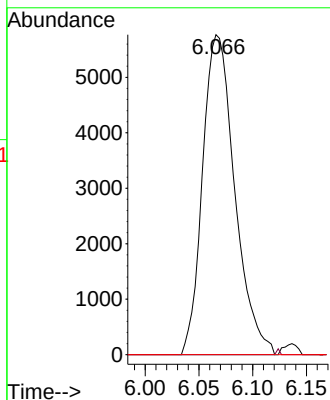
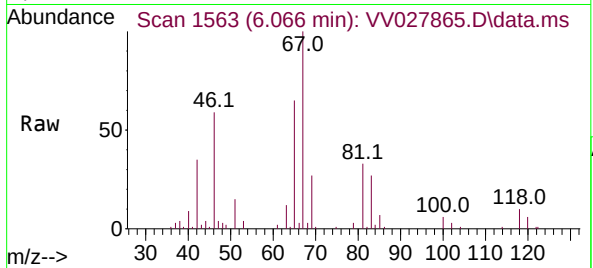




#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.023 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

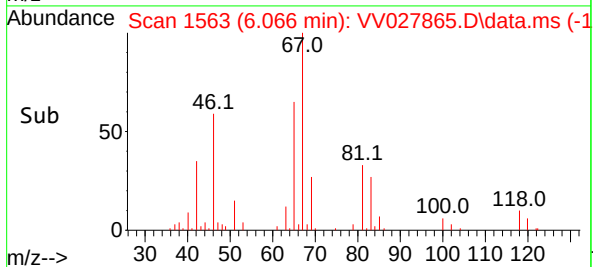
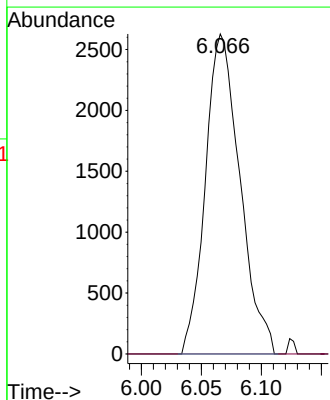
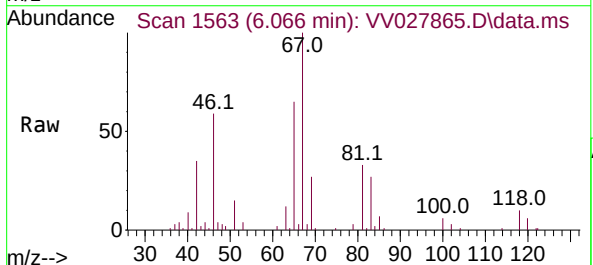
Instrument :
MSVOA_V
ClientSampleId :
EXZ35

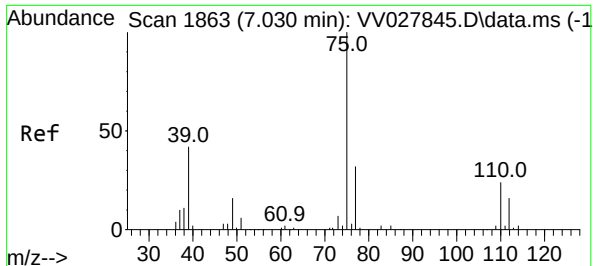
Tgt Ion: 83 Resp: 11999
Ion Ratio Lower Upper
83 100
55 0.2 61.9 92.9#
98 3.3 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.084 min
Lab File: VV027865.D
Acq: 15 Sep 2022 19:30

Tgt Ion: 63 Resp: 5264
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.048 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Instrument :

MSVOA_V

ClientSampleId :

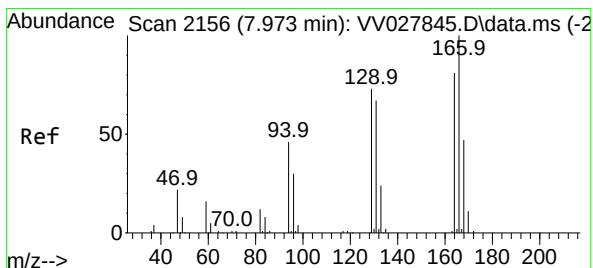
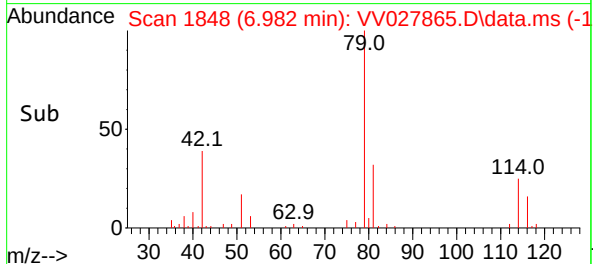
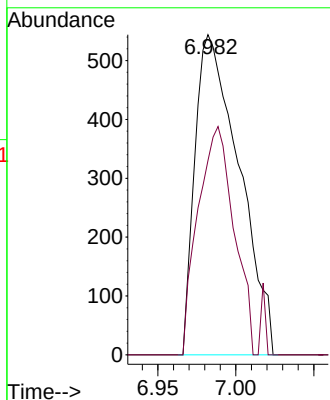
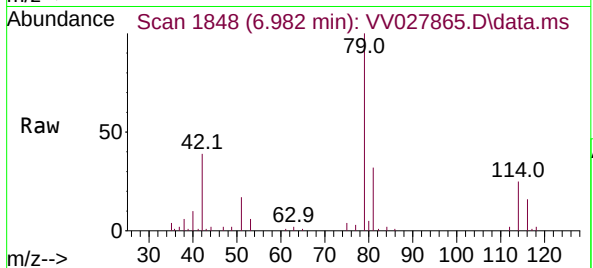
EXZ35

Tgt Ion: 75 Resp: 1068

Ion Ratio Lower Upper

75 100

77 60.7 22.0 40.8#



#47

Tetrachloroethene

Concen: 0.944 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Tgt Ion: 164 Resp: 7721

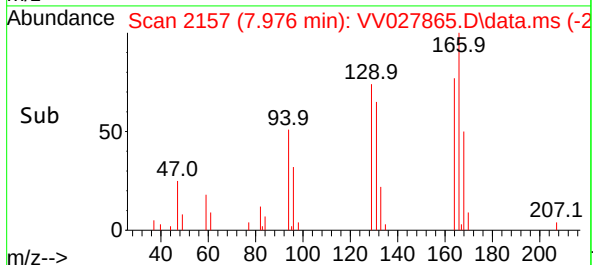
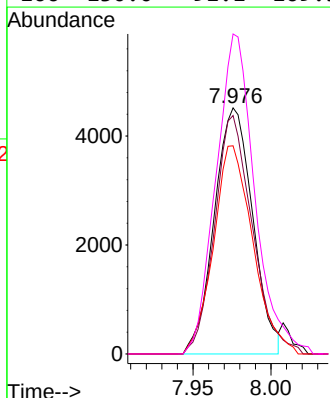
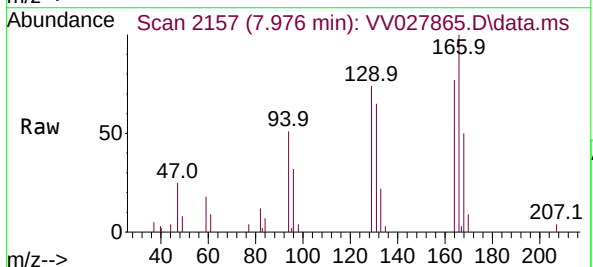
Ion Ratio Lower Upper

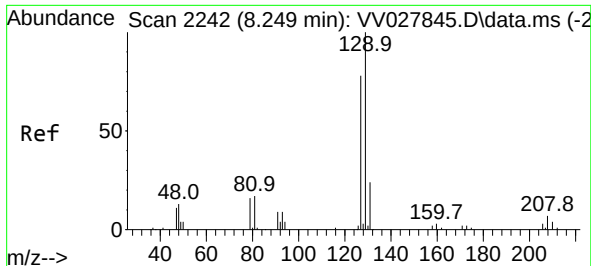
164 100

129 96.9 67.2 124.8

131 84.6 61.5 114.3

166 130.0 91.1 169.3





#49

Dibromochloromethane

Concen: 0.886 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

Instrument :

MSVOA_V

ClientSampleId :

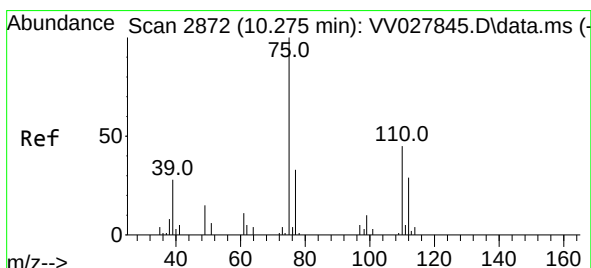
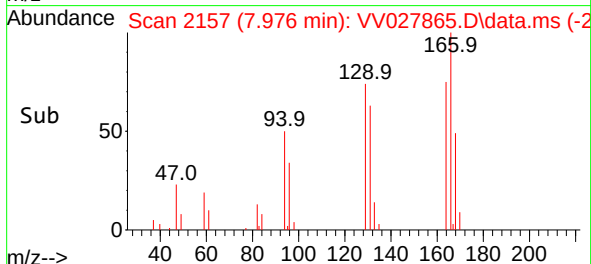
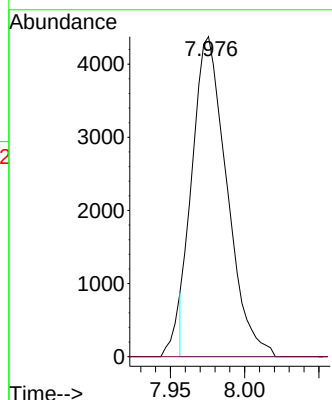
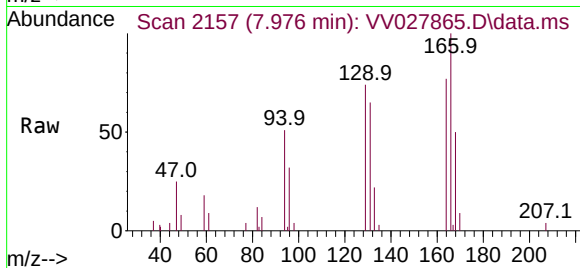
EXZ35

Tgt Ion:129 Resp: 7043

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#61

1,2,3-Trichloropropane

Concen: 1.158 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV027865.D

Acq: 15 Sep 2022 19:30

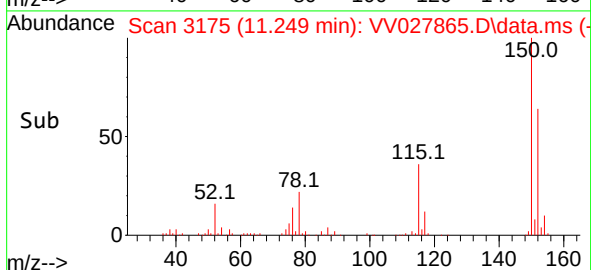
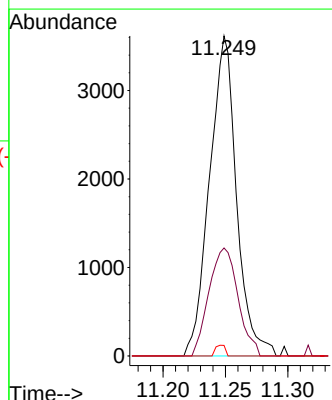
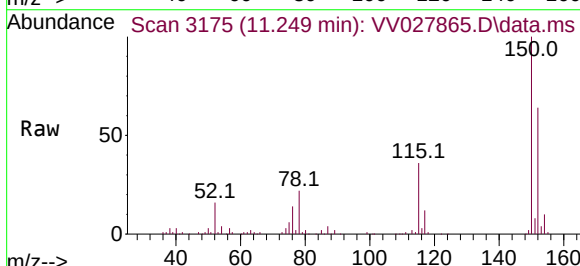
Tgt Ion: 75 Resp: 5457

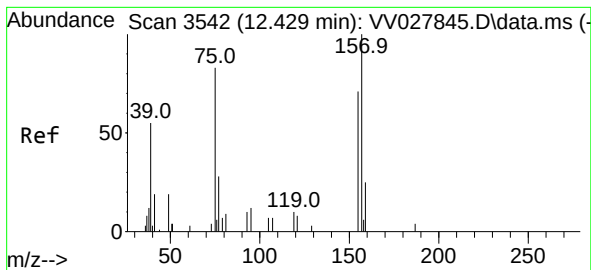
Ion Ratio Lower Upper

75 100

77 36.3 27.6 41.4

110 1.2 35.6 53.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.317 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV027865.D
 Acq: 15 Sep 2022 19:30

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ35

Tgt Ion: 75 Resp: 321
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.9 107.9#
 157 0.0 95.1 142.7#

