

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027868.D
 Acq On : 15 Sep 2022 20:43
 Operator : SY/MD
 Sample : N4652-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ22

Quant Time: Sep 16 01:36:33 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	118359	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.850	117	117942	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58740	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	27162	3.481	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.568	69	31357	4.738	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.108	63	44493	2.688	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.800%#
20) 2-Butanone-d5	3.892	46	66381	38.392	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.780%
24) Chloroform-d	4.349	84	79001	4.945	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.030	65	42270	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.050	84	139766	4.085	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.066	67	41602	4.153	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.313	98	113823	3.956	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	7.625	79	13247	3.942	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.088	63	53896	43.143	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27462	4.269	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	46269	4.795	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						Qvalue
3) Chloromethane	1.243	50	557	0.053	ug/L #	81
12) 1,1-Dichloroethene	2.117	96	1456	0.186	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	4152	0.223	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	1125	0.136	ug/L	93
19) 1,1-Dichloroethane	3.191	63	4288	0.276	ug/L	95
22) cis-1,2-Dichloroethene	3.915	96	12891	1.428	ug/L #	84
25) Chloroform	4.378	83	9028	0.523	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	10579	0.583	ug/L	96
31) Carbon tetrachloride	4.606	117	1303	0.085	ug/L	96
34) Trichloroethene	5.915	95	11690	1.199	ug/L	94
35) Methylcyclohexane	6.066	83	11649	0.778	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	5333	0.577	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	949	0.081	ug/L	84
47) Tetrachloroethene	7.976	164	10450	1.336	ug/L	90
49) Dibromochloromethane	7.976	129	8611	1.133	ug/L #	10
61) 1,2,3-Trichloropropane	10.384	75	353	0.076	ug/L #	59
68) 1,2-Dibromo-3-chloropr...	12.252	75	535	0.536	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

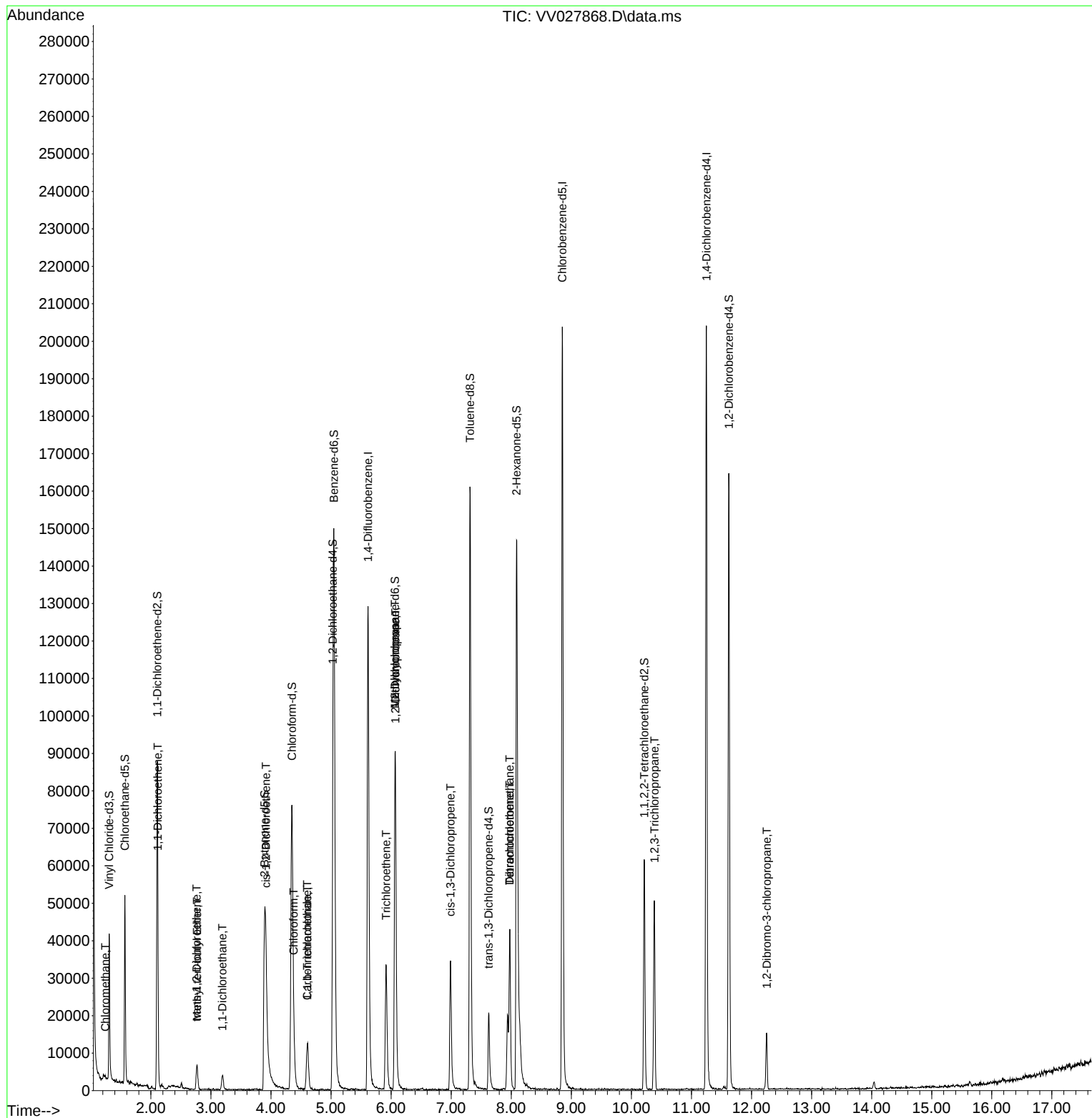
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

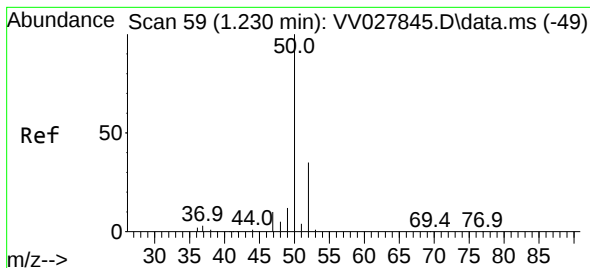
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.053 ug/L

RT: 1.243 min Scan# 61

Delta R.T. 0.013 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

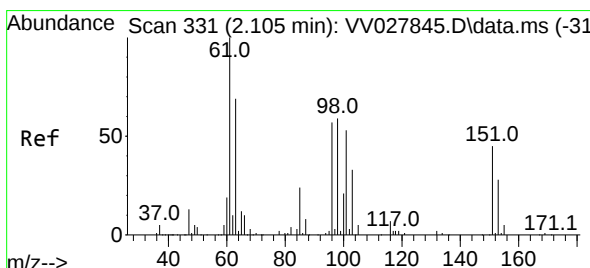
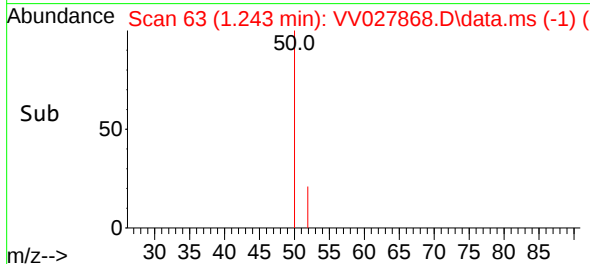
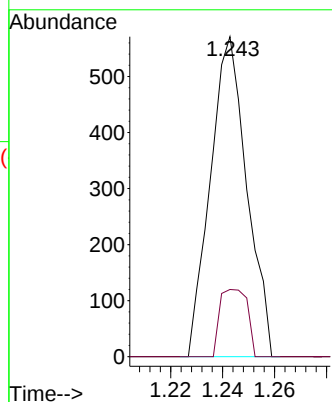
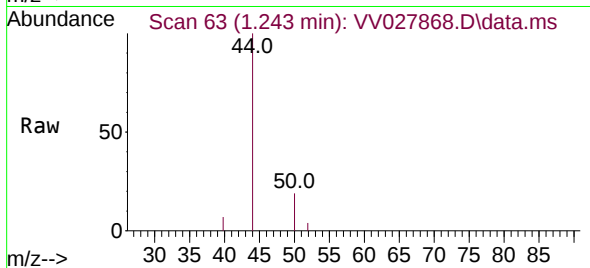
EXZ22

Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

50 100

52 21.0 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.186 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.013 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

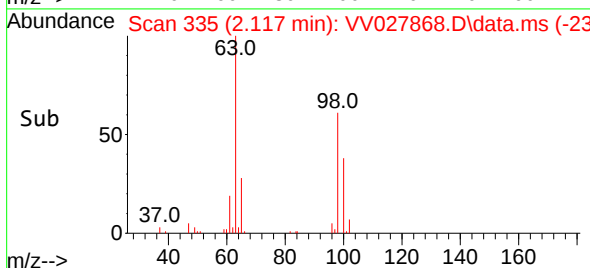
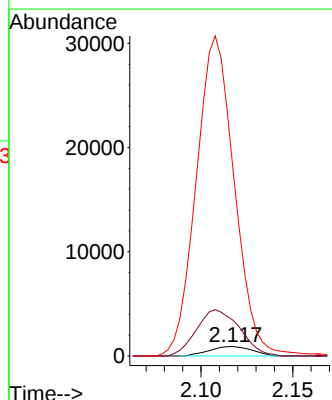
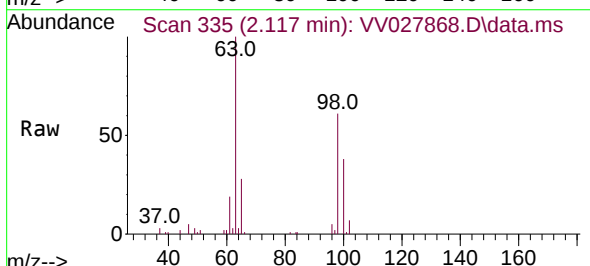
Tgt Ion: 96 Resp: 1456

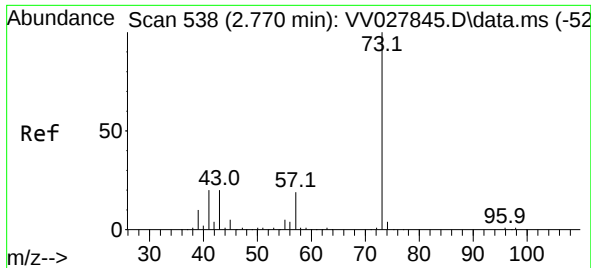
Ion Ratio Lower Upper

96 100

61 379.9 129.9 241.3#

63 1984.5 94.6 175.8#

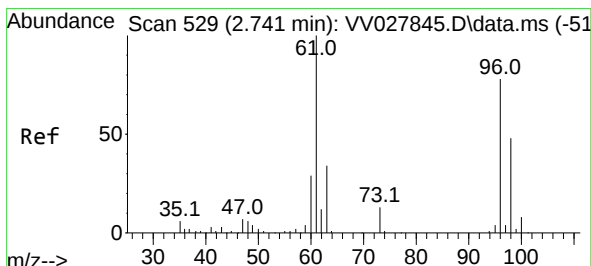
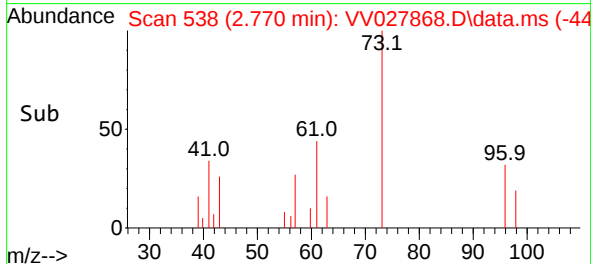
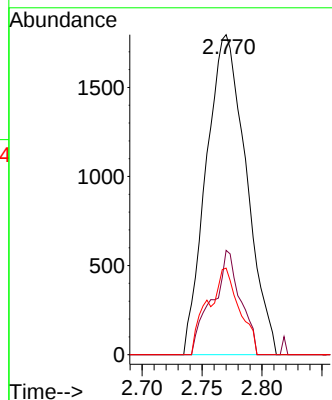
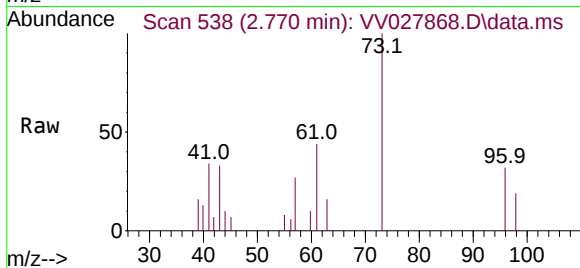




#17
Methyl tert-butyl Ether
Concen: 0.223 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027868.D
Acq: 15 Sep 2022 20:43

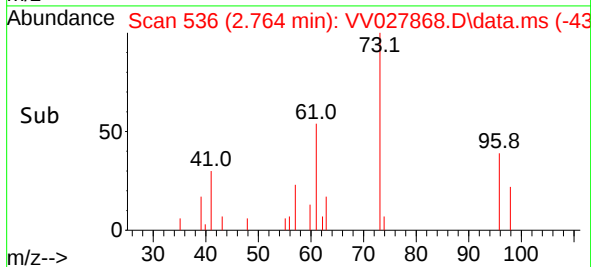
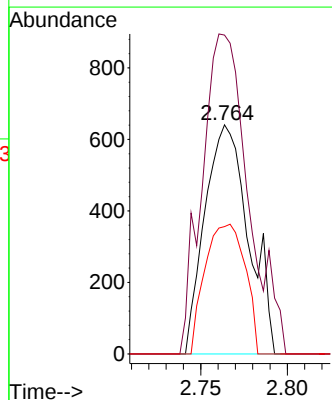
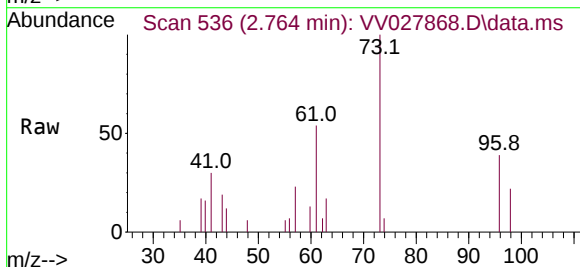
Instrument :
MSVOA_V
ClientSampleId :
EXZ22

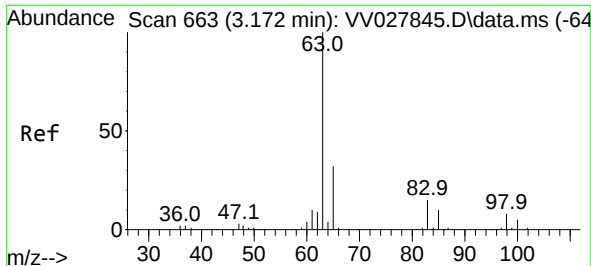
Tgt Ion: 73	Resp: 4152
Ion Ratio	Lower Upper
73 100	
43 23.1	17.5 26.3
57 21.3	16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 0.136 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.022 min
Lab File: VV027868.D
Acq: 15 Sep 2022 20:43

Tgt Ion: 96	Resp: 1125
Ion Ratio	Lower Upper
96 100	
61 139.2	102.6 190.5
98 55.5	44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.276 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.019 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

EXZ22

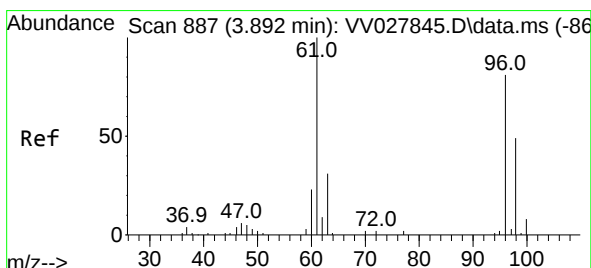
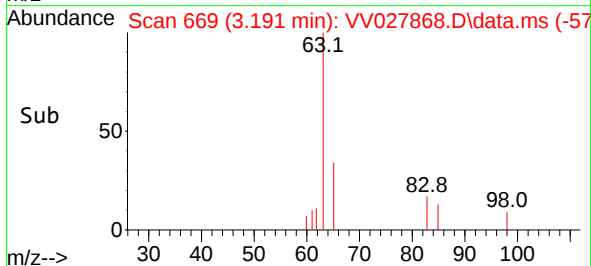
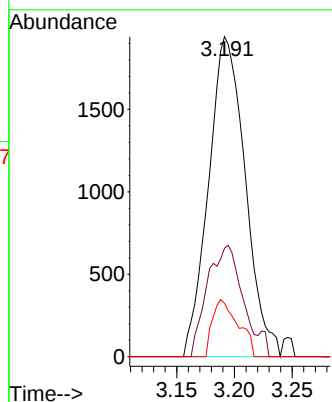
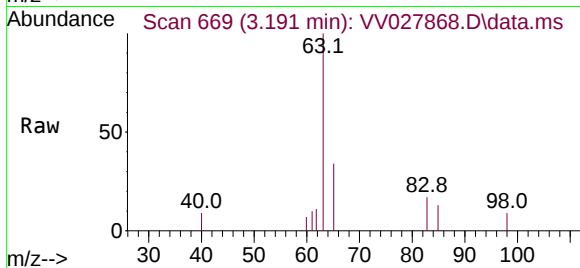
Tgt Ion: 63 Resp: 4288

Ion Ratio Lower Upper

63 100

65 33.9 22.0 41.0

83 16.7 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.428 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.022 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

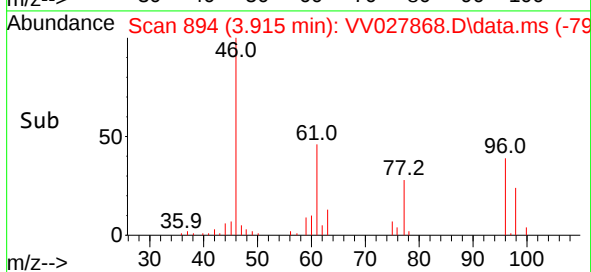
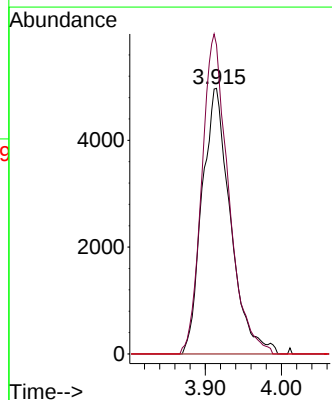
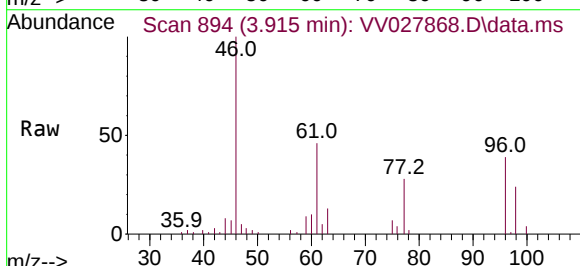
Tgt Ion: 96 Resp: 12891

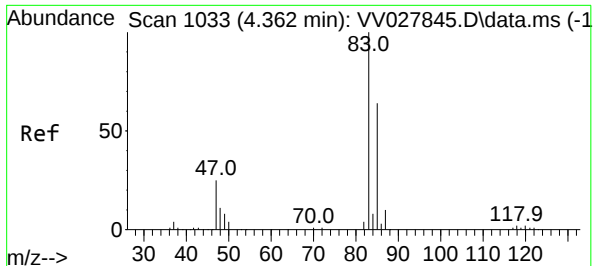
Ion Ratio Lower Upper

96 100

61 116.3 94.6 175.6

68 0.0 0.3 0.5





#25

Chloroform

Concen: 0.523 ug/L

RT: 4.378 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

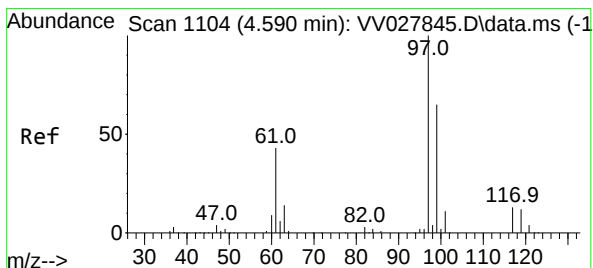
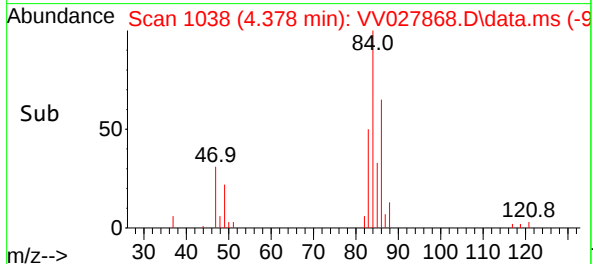
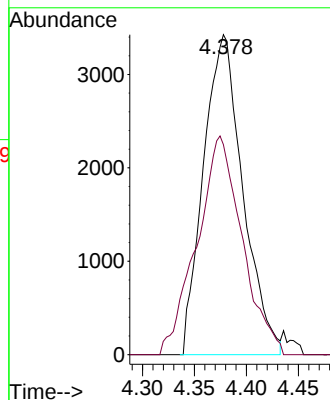
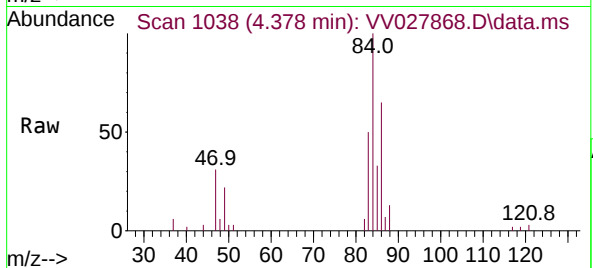
EXZ22

Tgt Ion: 83 Resp: 9028

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2



#29

1,1,1-Trichloroethane

Concen: 0.583 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

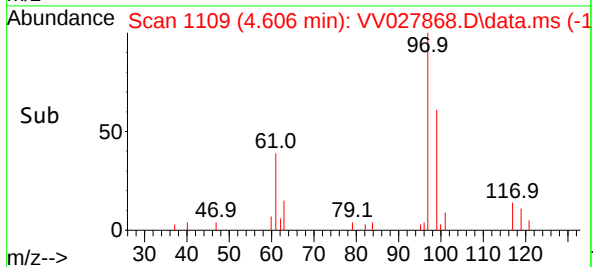
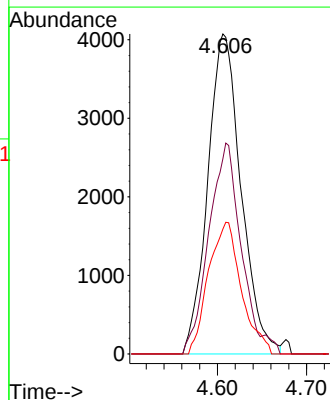
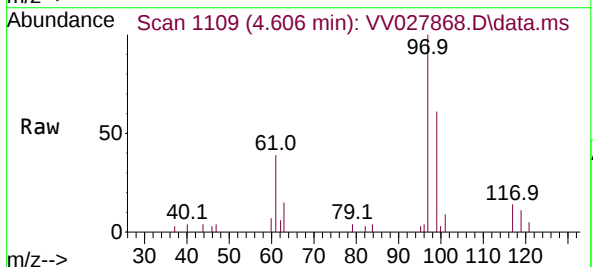
Tgt Ion: 97 Resp: 10579

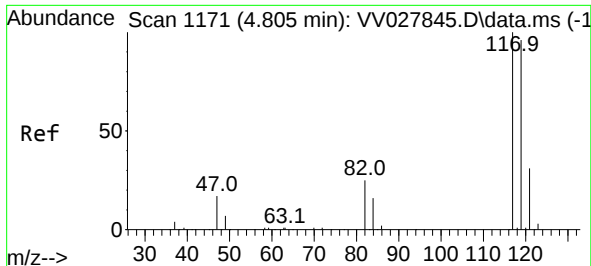
Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 40.5 36.2 54.4

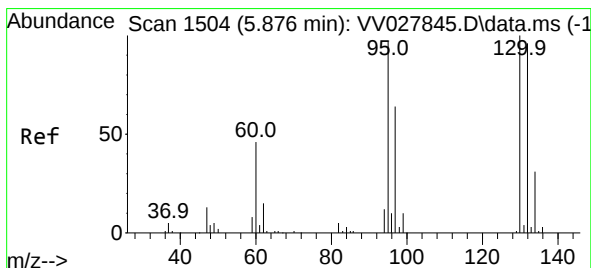
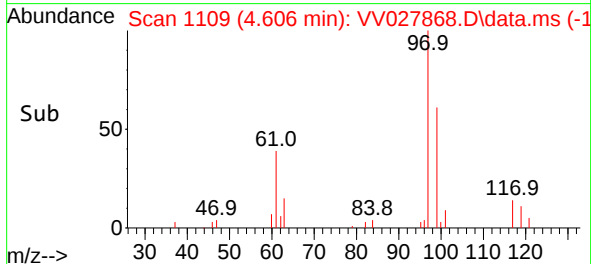
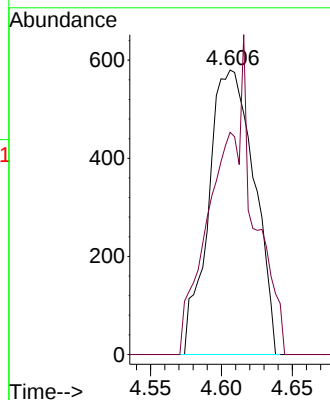
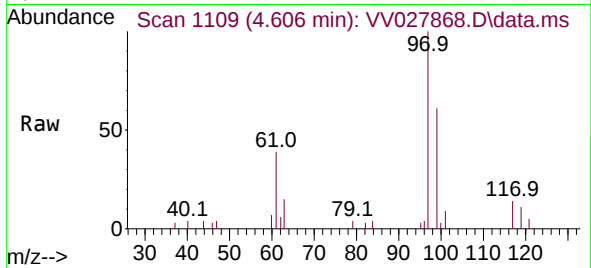




#31
Carbon tetrachloride
Concen: 0.085 ug/L
RT: 4.606 min Scan# 1171
Delta R.T. -0.199 min
Lab File: VV027868.D
Acq: 15 Sep 2022 20:43

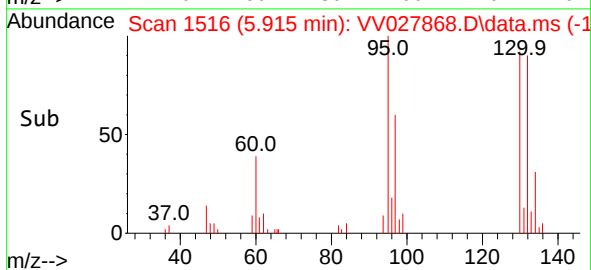
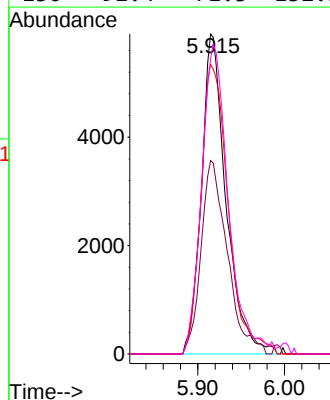
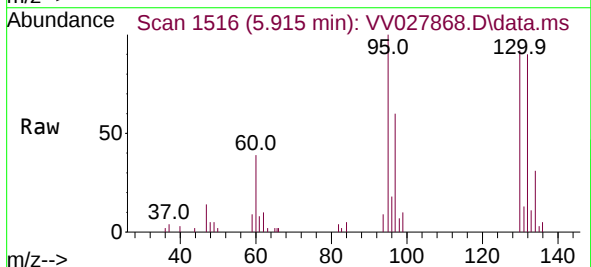
Instrument :
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EXZ22

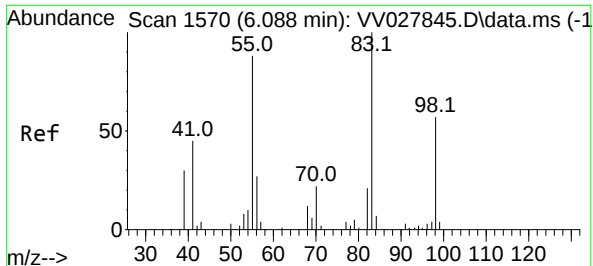
Tgt Ion:117 Resp: 1303
Ion Ratio Lower Upper
117 100
119 91.3 75.8 113.8



#34
Trichloroethene
Concen: 1.199 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.038 min
Lab File: VV027868.D
Acq: 15 Sep 2022 20:43

Tgt Ion: 95 Resp: 11690
Ion Ratio Lower Upper
95 100
97 60.4 42.9 79.7
132 90.5 67.9 126.1
130 92.4 71.3 132.3





#35

Methylcyclohexane

Concen: 0.778 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.023 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

EXZ22

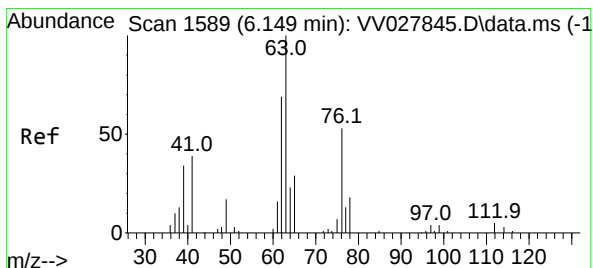
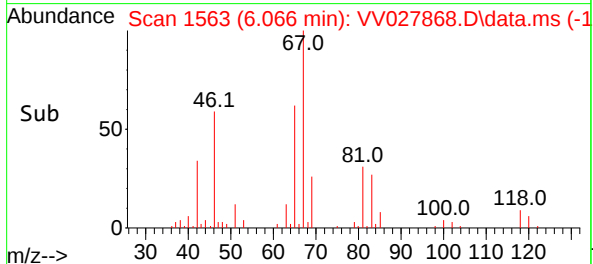
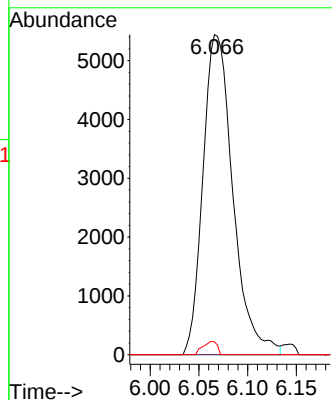
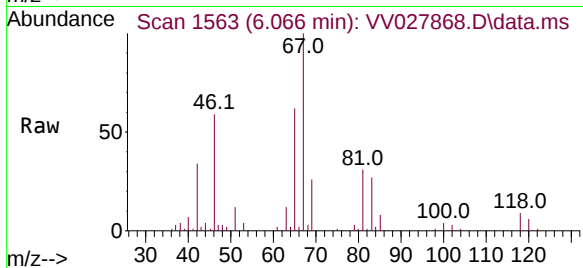
Tgt Ion: 83 Resp: 11649

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 2.0 37.5 56.3#



#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.077 min

Lab File: VV027868.D

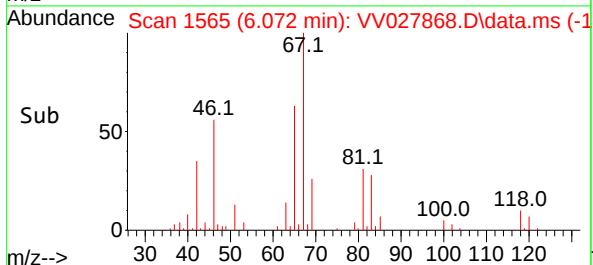
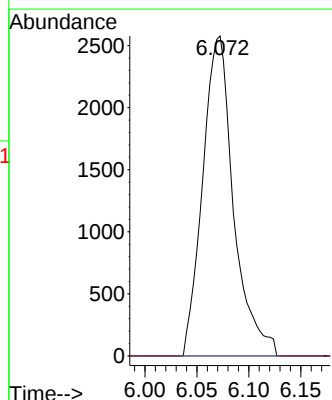
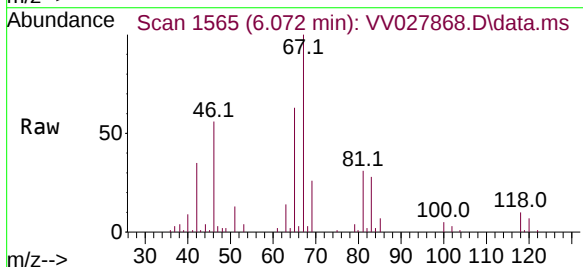
Acq: 15 Sep 2022 20:43

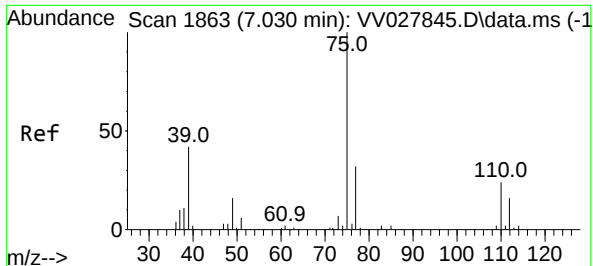
Tgt Ion: 63 Resp: 5333

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

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MSVOA_V

ClientSampleId :

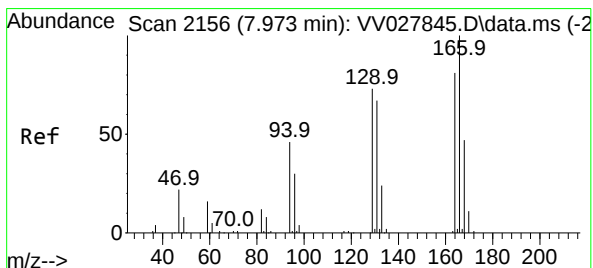
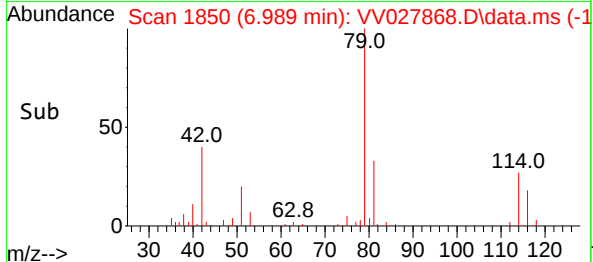
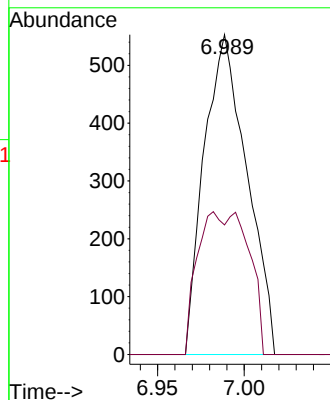
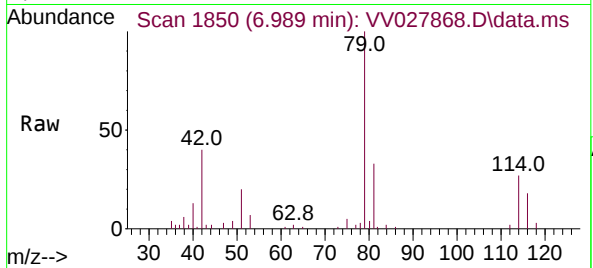
EXZ22

Tgt Ion: 75 Resp: 949

Ion Ratio Lower Upper

75 100

77 40.5 22.0 40.8



#47

Tetrachloroethene

Concen: 1.336 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Tgt Ion: 164 Resp: 10450

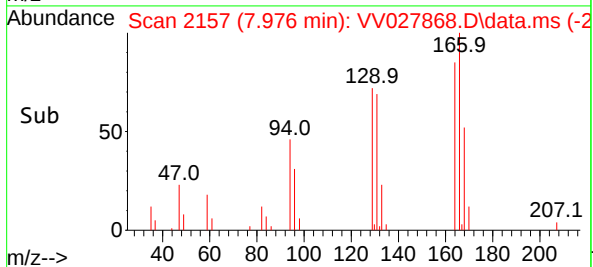
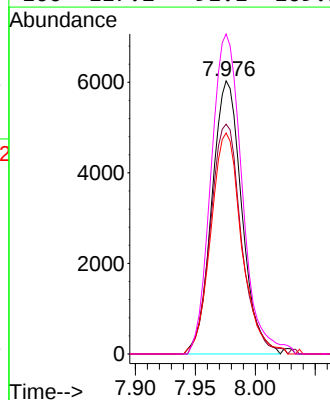
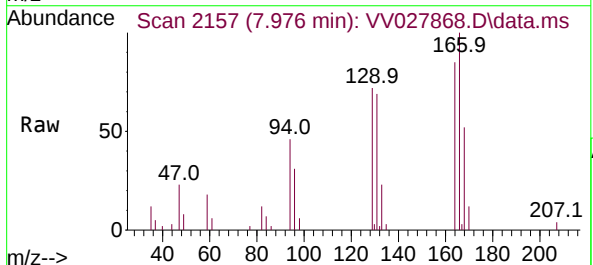
Ion Ratio Lower Upper

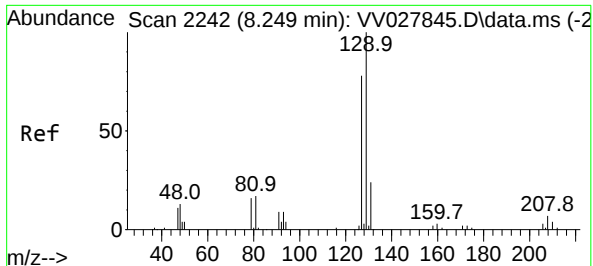
164 100

129 84.1 67.2 124.8

131 80.9 61.5 114.3

166 117.2 91.1 169.3





#49

Dibromochloromethane

Concen: 1.133 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

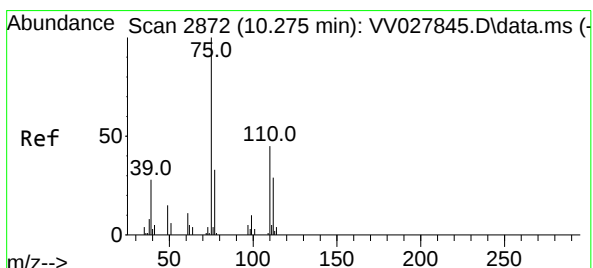
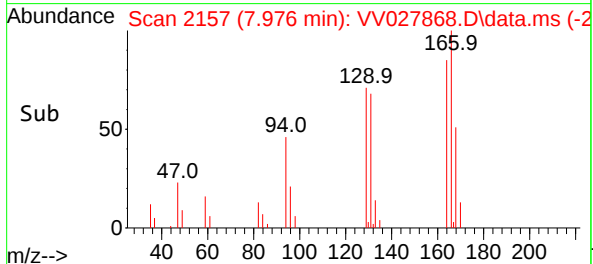
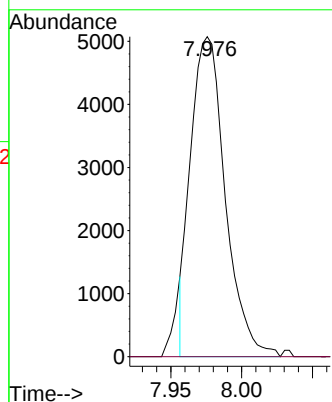
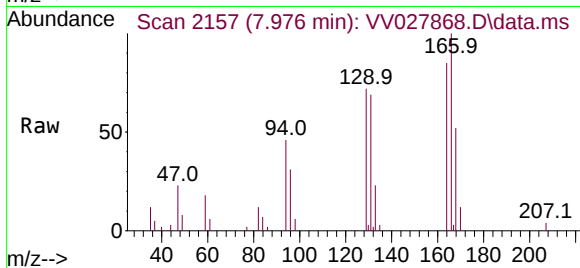
EXZ22

Tgt Ion:129 Resp: 8611

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#61

1,2,3-Trichloropropane

Concen: 0.076 ug/L

RT: 10.384 min Scan# 2906

Delta R.T. 0.109 min

Lab File: VV027868.D

Acq: 15 Sep 2022 20:43

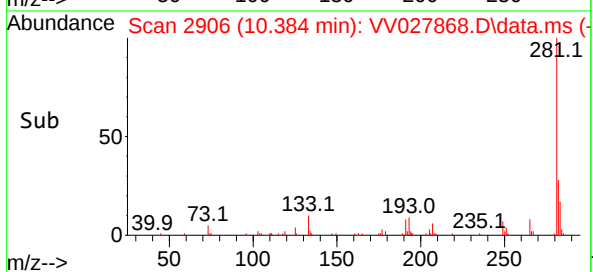
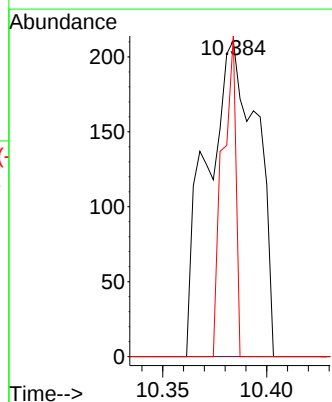
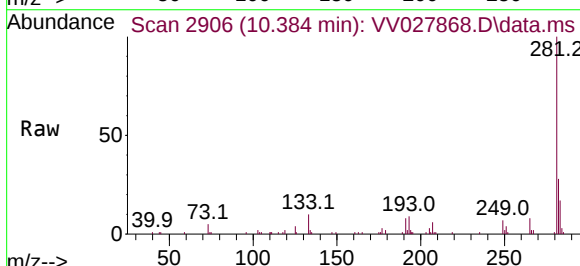
Tgt Ion: 75 Resp: 353

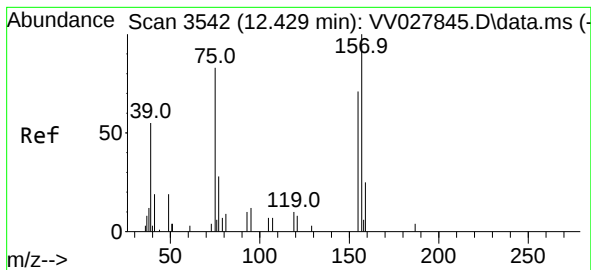
Ion Ratio Lower Upper

75 100

77 0.0 27.6 41.4#

110 26.9 35.6 53.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.536 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV027868.D
 Acq: 15 Sep 2022 20:43

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ22

Tgt Ion: 75 Resp: 535
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.9 107.9#
 157 0.0 95.1 142.7#

