

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027855.D
 Acq On : 15 Sep 2022 15:02
 Operator : SY/MD
 Sample : N4652-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ04

Quant Time: Sep 16 01:33:06 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

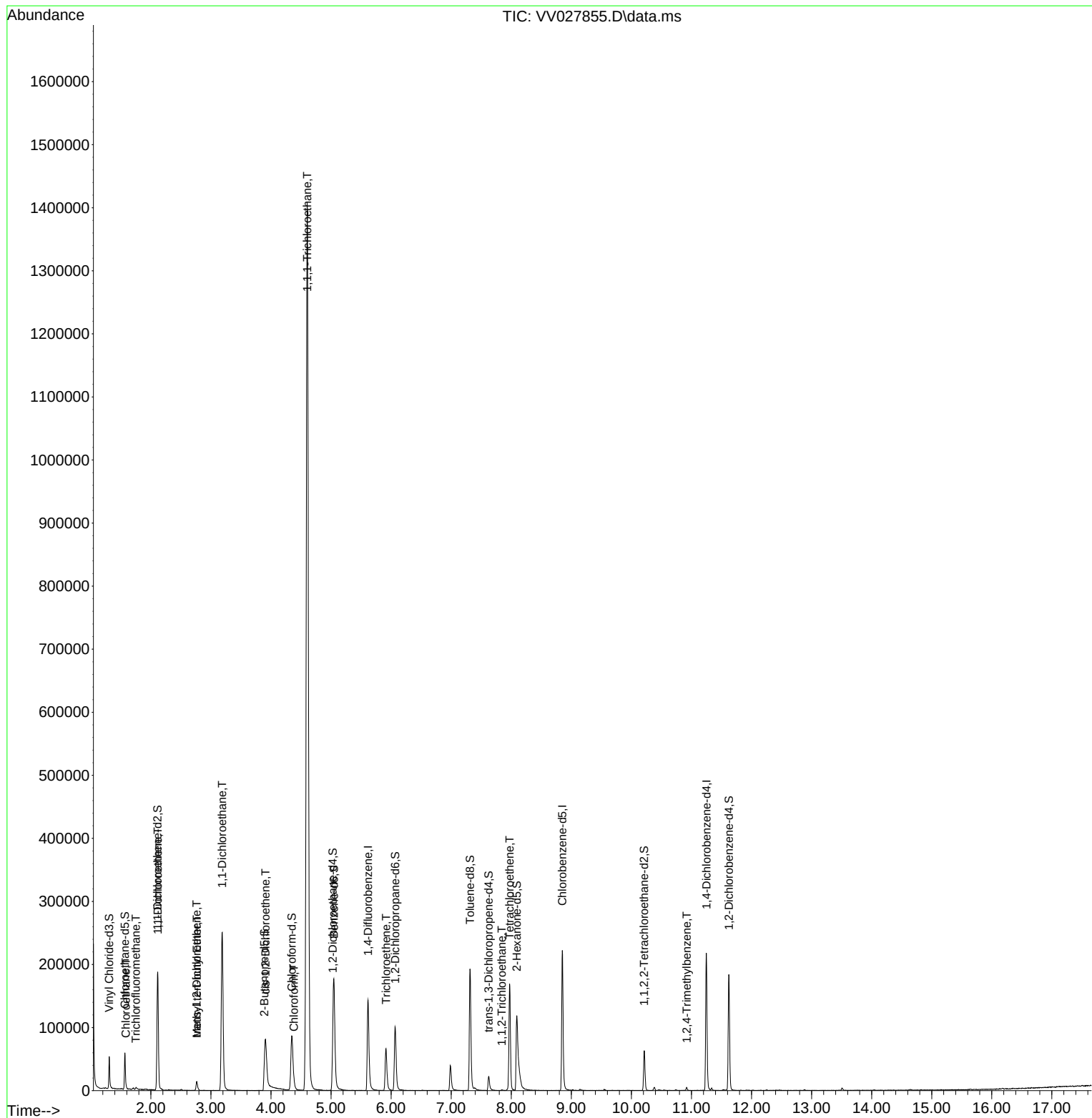
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	132539	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.850	117	129230	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62641	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	34157	3.910	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.568	69	36242	4.890	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.111	63	75117	4.052	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	3.889	46	41626	21.499	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	43.000%
24) Chloroform-d	4.346	84	89970	5.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.031	65	44904	4.714	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.050	84	167499	4.468	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.069	67	45951	4.186	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.800%
41) Toluene-d8	7.314	98	138175	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	7.622	79	14333	3.892	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.092	63	52649	38.463	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.920%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	29015	4.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	51608	5.015	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
8) Chloroethane	1.584	64	1499	0.219	ug/L	85
9) Trichlorofluoromethane	1.751	101	1736	0.090	ug/L	97
12) 1,1-Dichloroethene	2.118	96	34727	3.953	ug/L	89
17) Methyl tert-butyl Ether	2.767	73	3851	0.185	ug/L #	82
18) trans-1,2-Dichloroethene	2.764	96	3981	0.429	ug/L	87
19) 1,1-Dichloroethane	3.188	63	246302	14.149	ug/L	98
22) cis-1,2-Dichloroethene	3.909	96	38629	3.821	ug/L #	87
25) Chloroform	4.381	83	10916	0.565	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	1184971	59.620	ug/L	96
34) Trichloroethene	5.915	95	23595	2.209	ug/L	96
45) 1,1,2-Trichloroethane	7.844	97	544	0.083	ug/L	78
47) Tetrachloroethene	7.973	164	39908	4.655	ug/L	96
63) 1,2,4-Trimethylbenzene	10.921	105	2813	0.090	ug/L	92

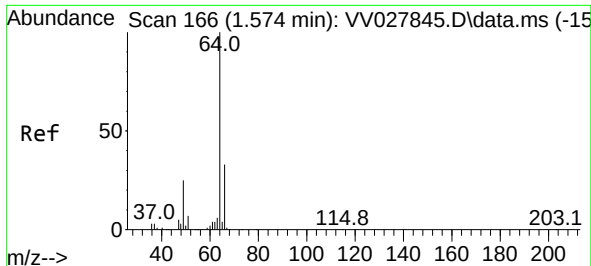
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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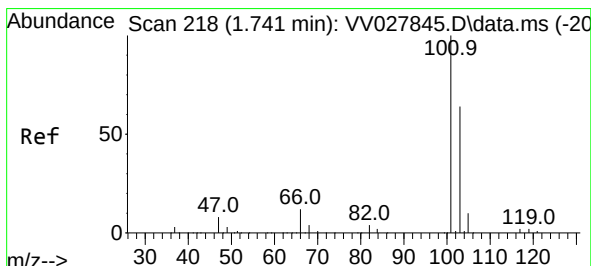
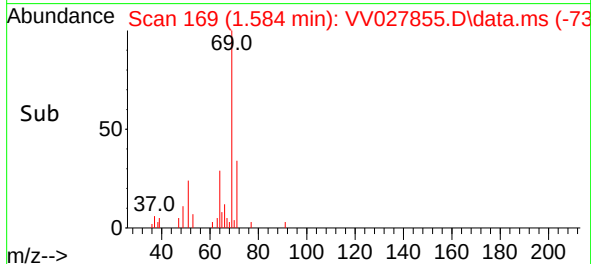
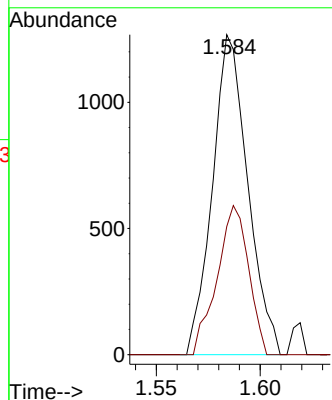
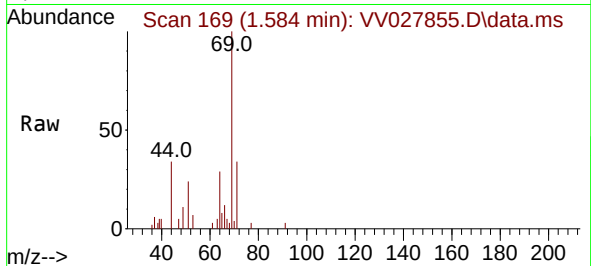




#8
Chloroethane
Concen: 0.219 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV027855.D
Acq: 15 Sep 2022 15:02

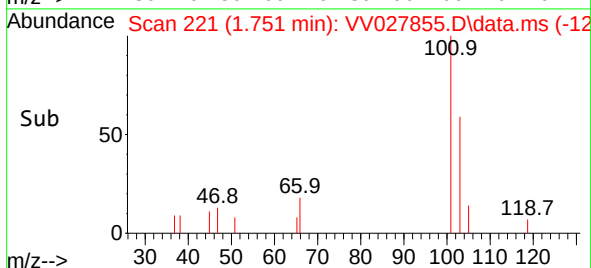
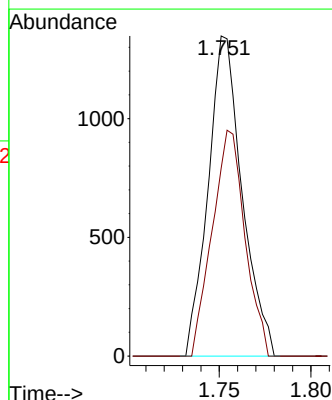
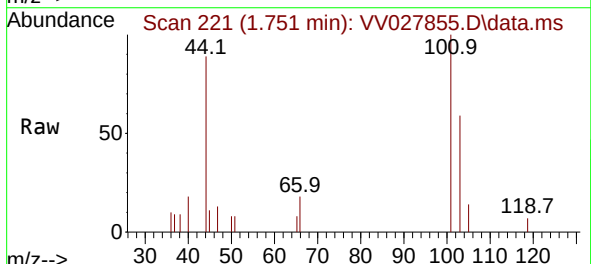
Instrument :
MSVOA_V
ClientSampleId :
EXZ04

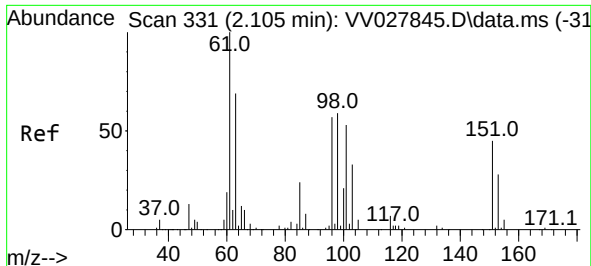
Tgt Ion: 64 Resp: 1499
Ion Ratio Lower Upper
64 100
66 40.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 0.090 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.010 min
Lab File: VV027855.D
Acq: 15 Sep 2022 15:02

Tgt Ion: 101 Resp: 1736
Ion Ratio Lower Upper
101 100
103 68.0 52.3 78.5





#12

1,1-Dichloroethene

Concen: 3.953 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

EXZ04

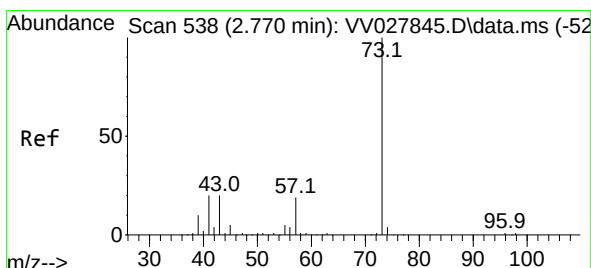
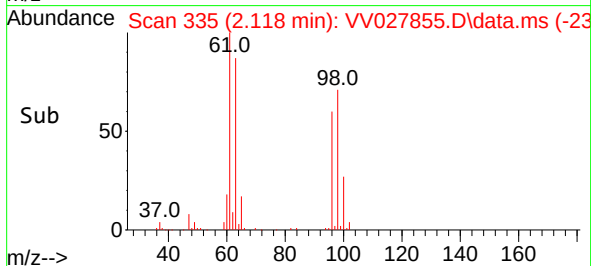
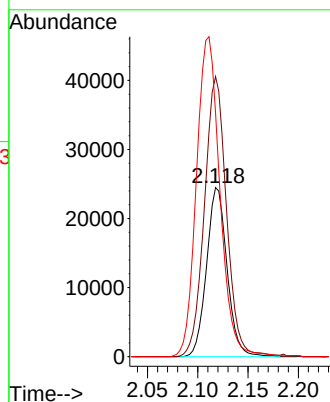
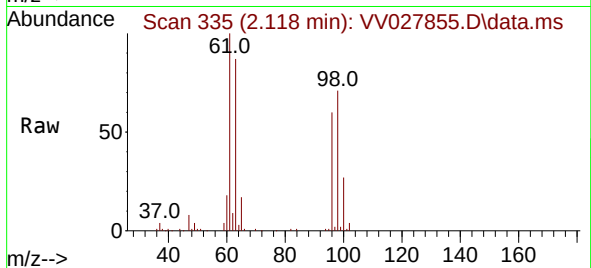
Tgt Ion: 96 Resp: 34727

Ion Ratio Lower Upper

96 100

61 165.6 129.9 241.3

63 144.1 94.6 175.8



#17

Methyl tert-butyl Ether

Concen: 0.185 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

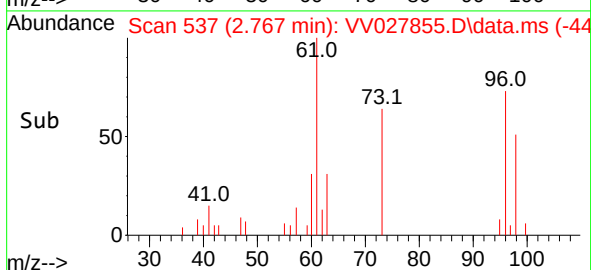
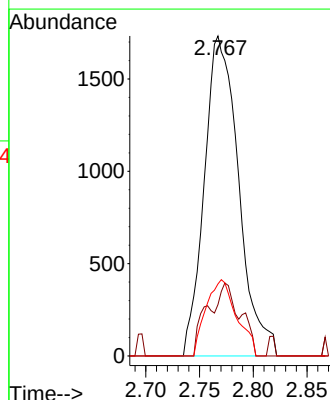
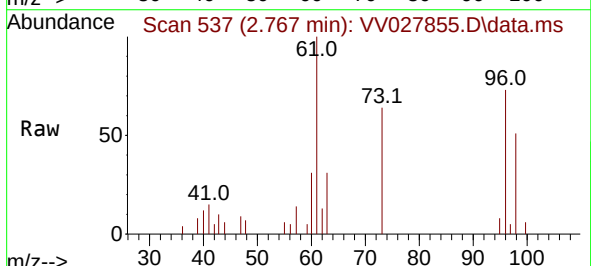
Tgt Ion: 73 Resp: 3851

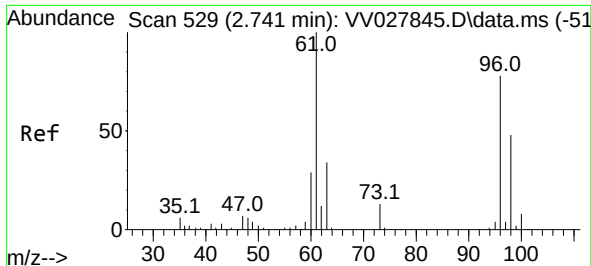
Ion Ratio Lower Upper

73 100

43 5.5 17.5 26.3#

57 21.2 16.9 25.3

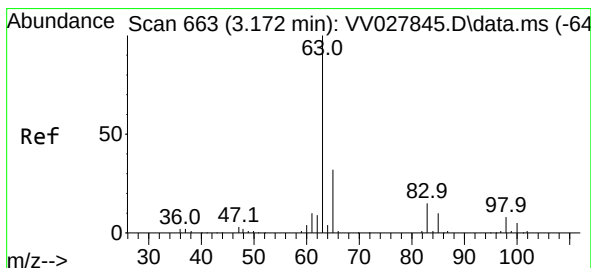
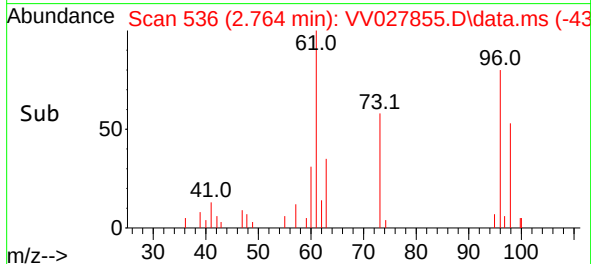
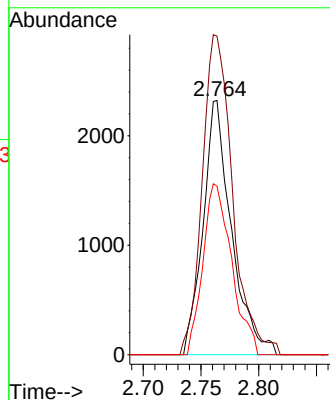
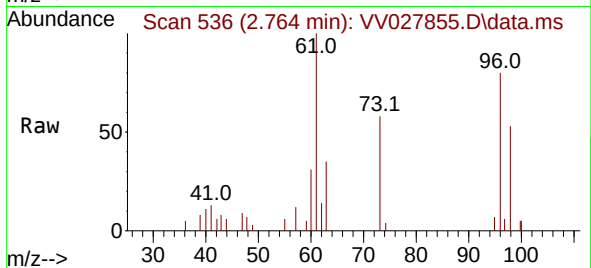




#18
trans-1,2-Dichloroethene
Concen: 0.429 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.023 min
Lab File: VV027855.D
Acq: 15 Sep 2022 15:02

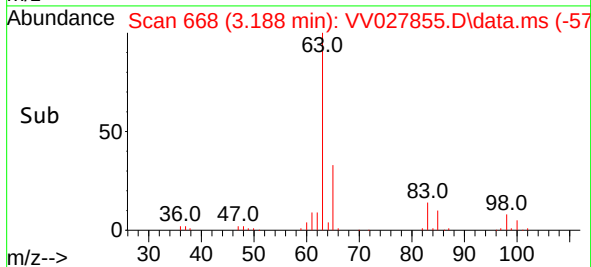
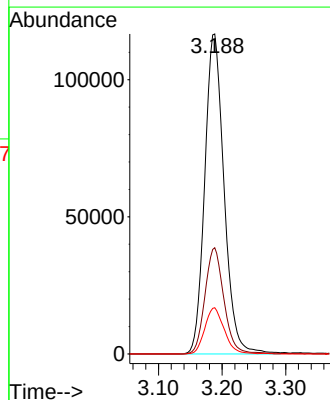
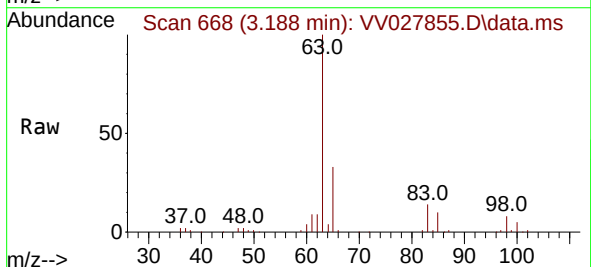
Instrument :
MSVOA_V
ClientSampleId :
EXZ04

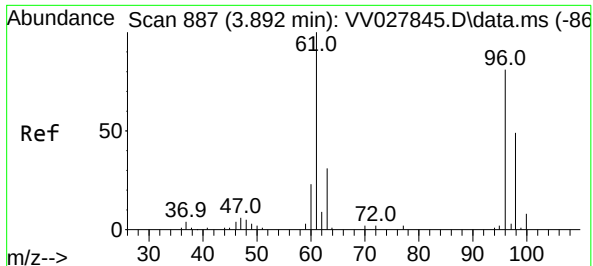
Tgt Ion: 96 Resp: 3981
Ion Ratio Lower Upper
96 100
61 125.3 102.6 190.5
98 66.3 44.0 81.8



#19
1,1-Dichloroethane
Concen: 14.149 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.016 min
Lab File: VV027855.D
Acq: 15 Sep 2022 15:02

Tgt Ion: 63 Resp: 246302
Ion Ratio Lower Upper
63 100
65 33.2 22.0 41.0
83 14.4 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 3.821 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.016 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

EXZ04

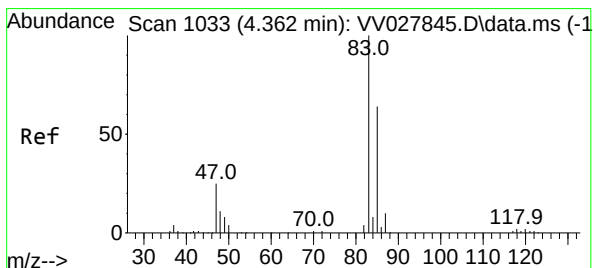
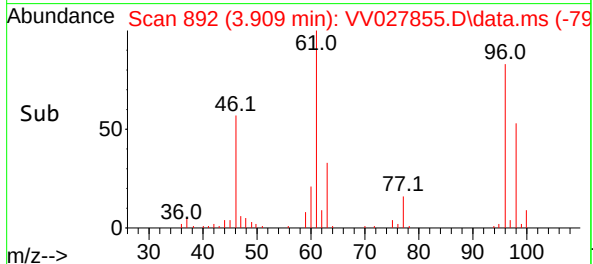
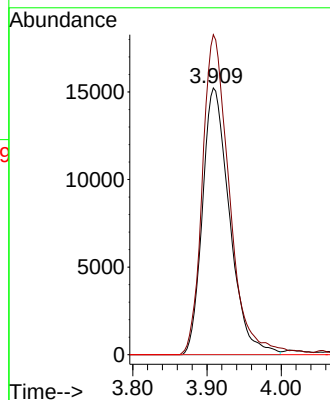
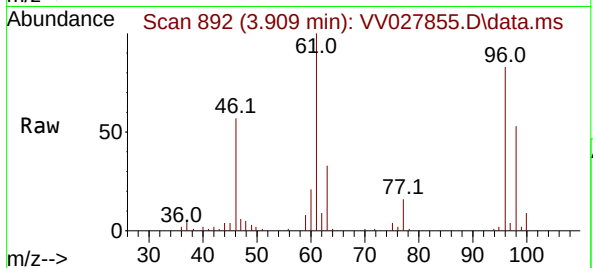
Tgt Ion: 96 Resp: 38629

Ion Ratio Lower Upper

96 100

61 120.0 94.6 175.6

68 0.0 0.3 0.5#



#25

Chloroform

Concen: 0.565 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.019 min

Lab File: VV027855.D

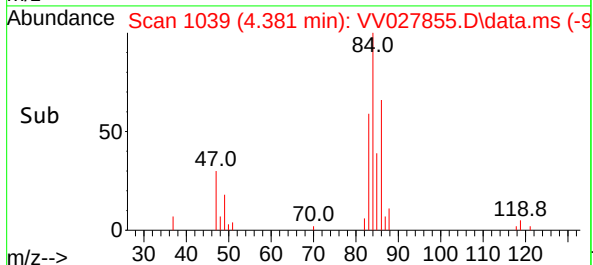
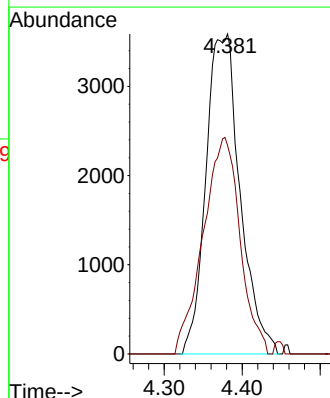
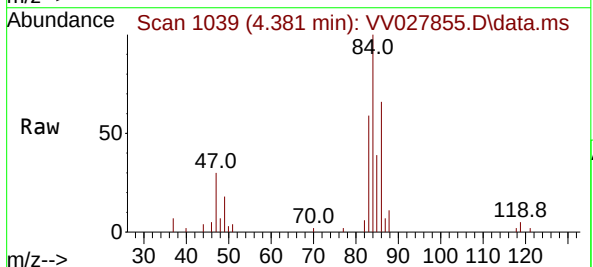
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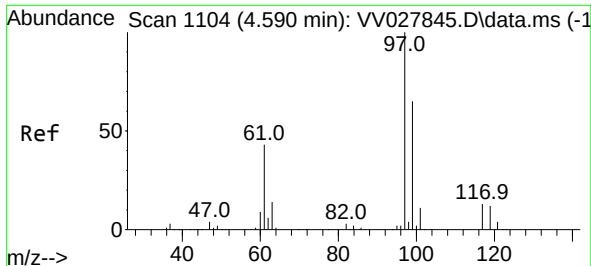
Tgt Ion: 83 Resp: 10916

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2





#29

1,1,1-Trichloroethane

Concen: 59.620 ug/L

RT: 4.603 min Scan# 1104

Delta R.T. 0.013 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

EXZ04

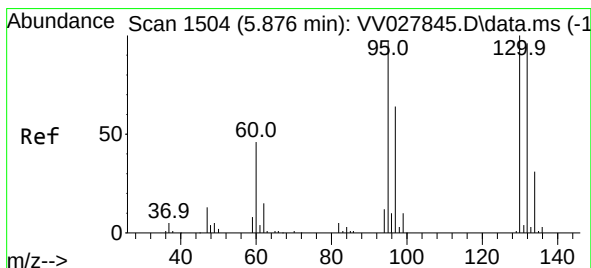
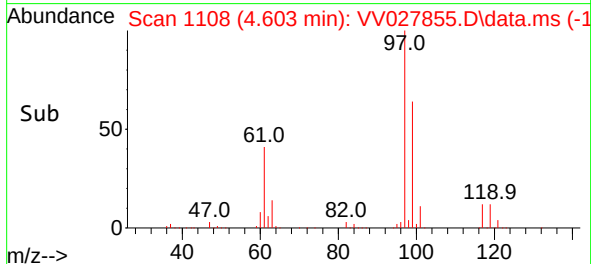
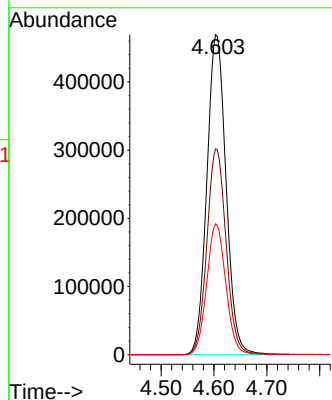
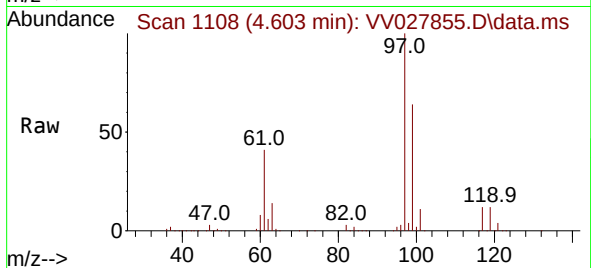
Tgt Ion: 97 Resp: 1184971

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 40.8 36.2 54.4



#34

Trichloroethene

Concen: 2.209 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.039 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Tgt Ion: 95 Resp: 23595

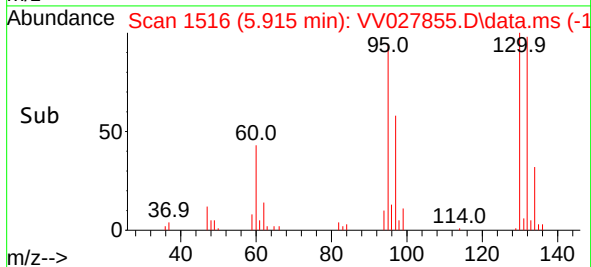
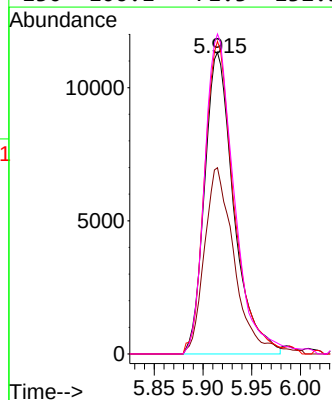
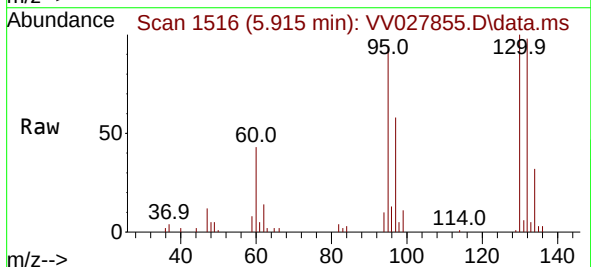
Ion Ratio Lower Upper

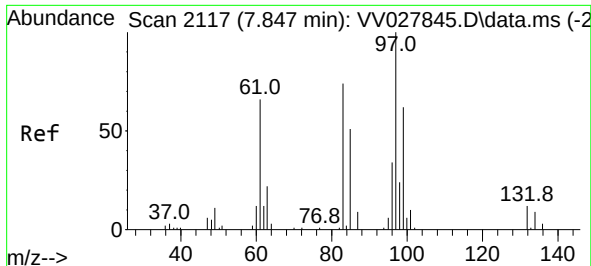
95 100

97 61.7 42.9 79.7

132 103.6 67.9 126.1

130 106.1 71.3 132.3





#45

1,1,2-Trichloroethane

Concen: 0.083 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. -0.003 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

EXZ04

Tgt Ion: 97 Resp: 544

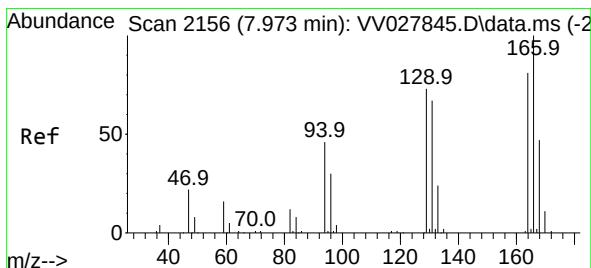
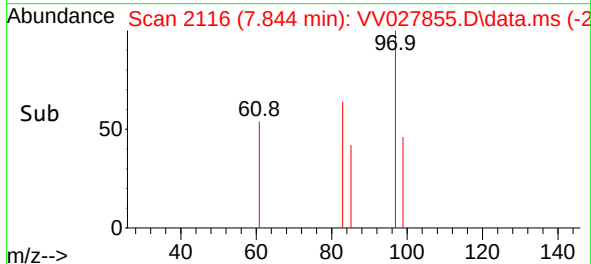
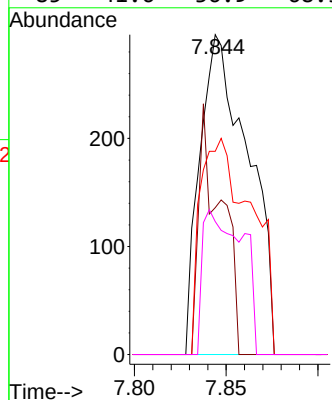
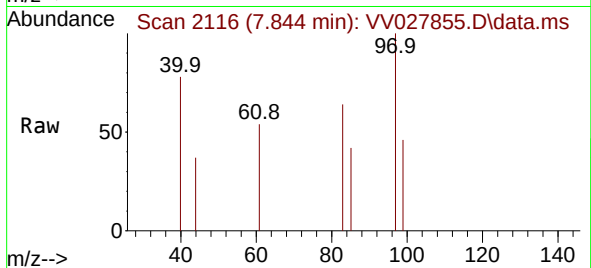
Ion Ratio Lower Upper

97 100

99 45.9 44.2 82.0

83 63.5 60.3 112.1

85 41.6 36.9 68.5



#47

Tetrachloroethene

Concen: 4.655 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027855.D

Acq: 15 Sep 2022 15:02

Tgt Ion: 164 Resp: 39908

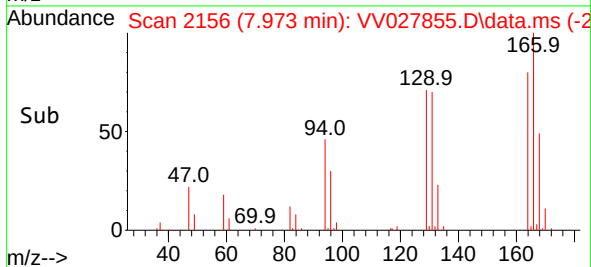
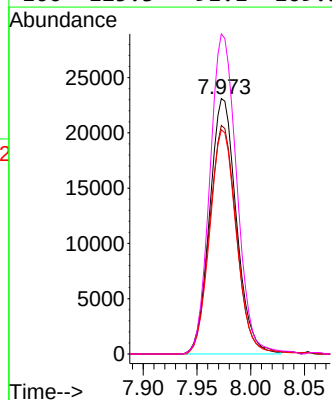
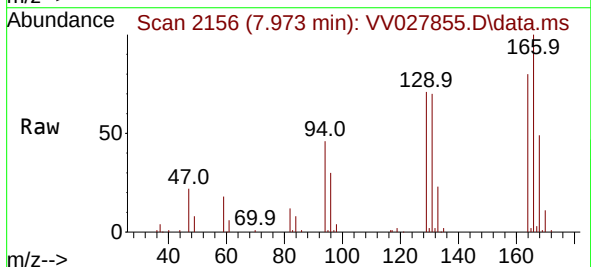
Ion Ratio Lower Upper

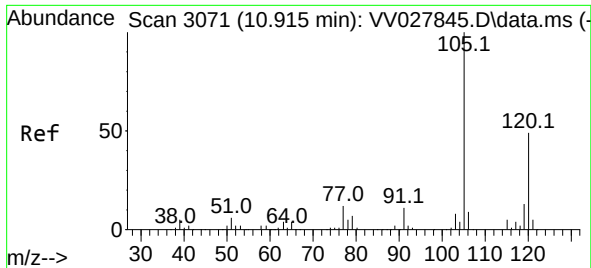
164 100

129 89.5 67.2 124.8

131 87.7 61.5 114.3

166 125.3 91.1 169.3





#63
 1,2,4-Trimethylbenzene
 Concen: 0.090 ug/L
 RT: 10.921 min Scan# 3073
 Delta R.T. 0.007 min
 Lab File: VV027855.D
 Acq: 15 Sep 2022 15:02

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ04

Tgt Ion:105 Resp: 2813
 Ion Ratio Lower Upper
 105 100
 120 51.9 37.4 56.0

