

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091622\
 Data File : VV027879.D
 Acq On : 16 Sep 2022 14:02
 Operator : SY/MD
 Sample : N4618-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 22:08:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 22:04:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	142863	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	139604	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	68098	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31064	3.299	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.568	69	38208	4.783	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.108	63	59920	2.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.886	46	82296	39.433	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.860%
24) Chloroform-d	4.346	84	95741	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.031	65	49470	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.050	84	170894	4.220	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.069	67	48627	4.101	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.000%
41) Toluene-d8	7.313	98	136874	4.019	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	7.625	79	15064	3.787	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.800%
46) 2-Hexanone-d5	8.088	63	60055	40.613	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.220%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	32483	4.266	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	56587	5.058	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	2103	0.165	ug/L	89
5) Vinyl chloride	1.311	62	1703	0.132	ug/L #	79
6) Bromomethane	1.529	94	447	0.065	ug/L #	69
12) 1,1-Dichloroethene	2.118	96	26788	2.829	ug/L	87
13) Acetone	2.179	43	10352	6.657	ug/L	96
14) Carbon disulfide	2.294	76	136239	4.846	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	1667	0.074	ug/L #	85
18) trans-1,2-Dichloroethene	2.761	96	888	0.089	ug/L #	66
19) 1,1-Dichloroethane	3.191	63	6023	0.321	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	60803	5.580	ug/L #	81
25) Chloroform	4.368	83	3815	0.183	ug/L	97
29) 1,1,1-Trichloroethane	4.606	97	35132	1.636	ug/L	96
31) Carbon tetrachloride	4.609	117	4269	0.234	ug/L	98
33) Benzene	5.098	78	108608	2.355	ug/L	100
34) Trichloroethene	5.912	95	122176	10.587	ug/L	94
35) Methylcyclohexane	6.066	83	13872	0.783	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	6758	0.618	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	1098	0.079	ug/L #	64
61) 1,2,3-Trichloropropane	11.246	75	6144	1.139	ug/L #	60

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QLast Update : Fri Sep 16 22:04:36 2022
Response via : Initial Calibration

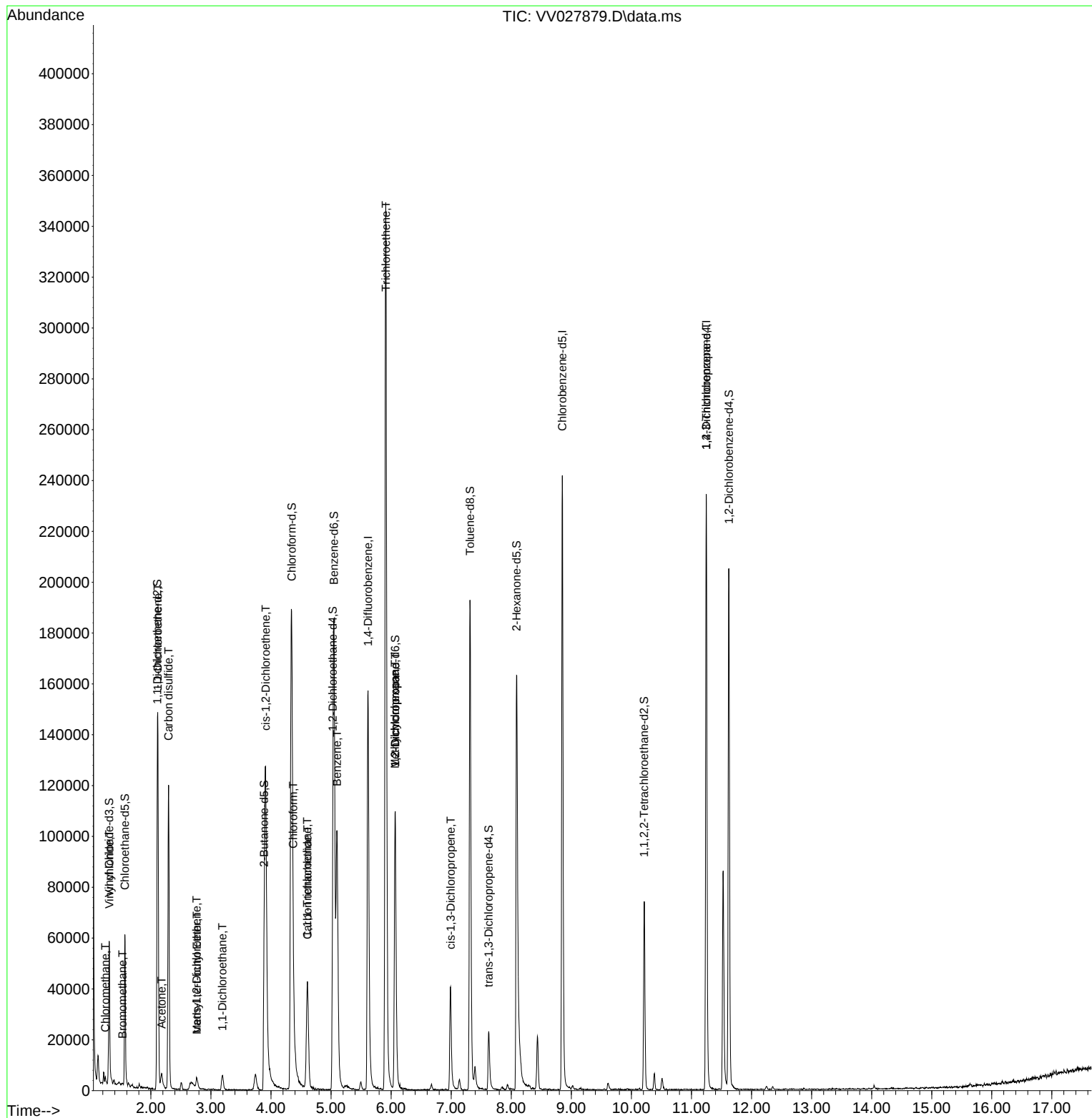
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

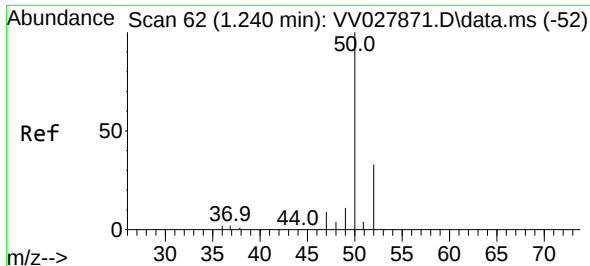
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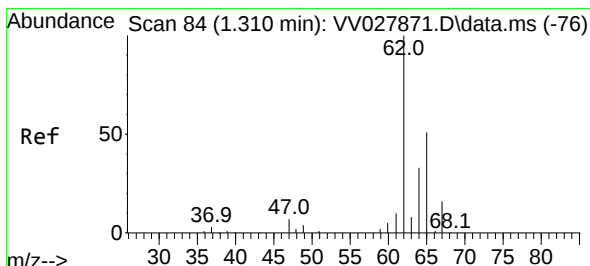
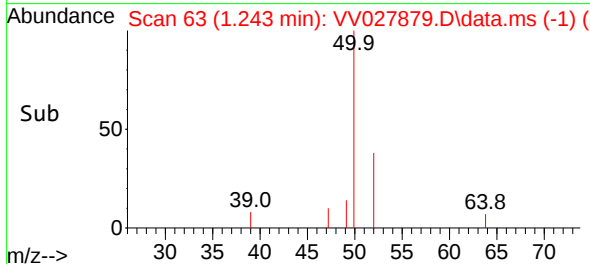
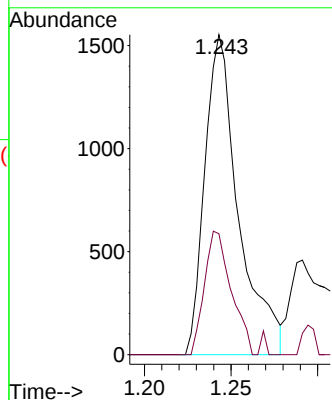
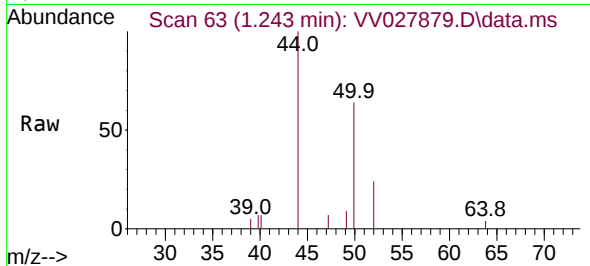




#3
Chloromethane
Concen: 0.165 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

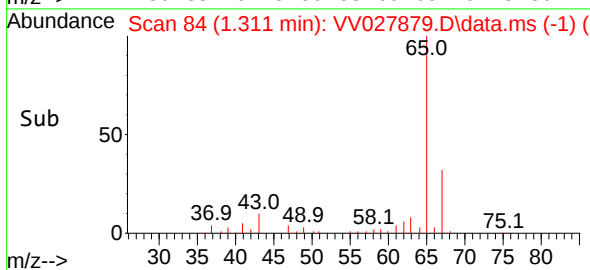
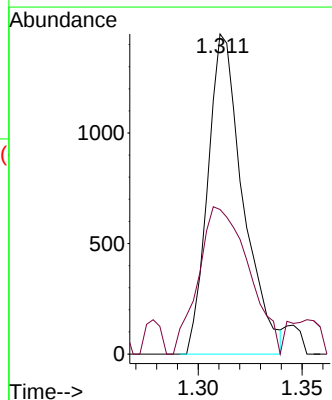
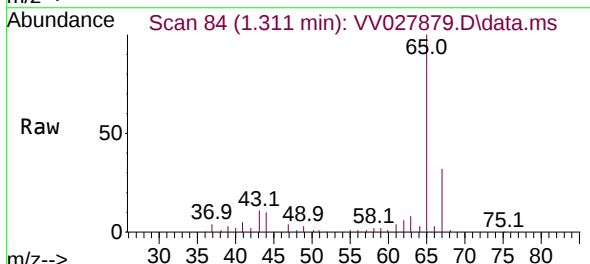
Instrument :
MSVOA_V
ClientSampleId :

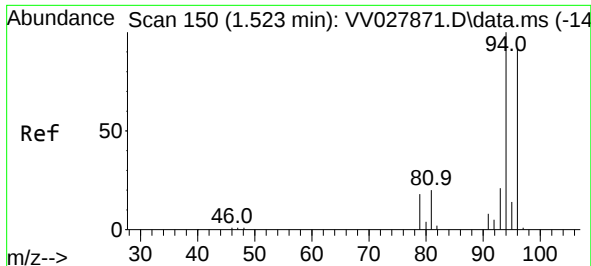
Tgt Ion: 50 Resp: 2103
Ion Ratio Lower Upper
50 100
52 37.8 22.1 41.1



#5
Vinyl chloride
Concen: 0.132 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

Tgt Ion: 62 Resp: 1703
Ion Ratio Lower Upper
62 100
64 45.2 23.2 43.2#

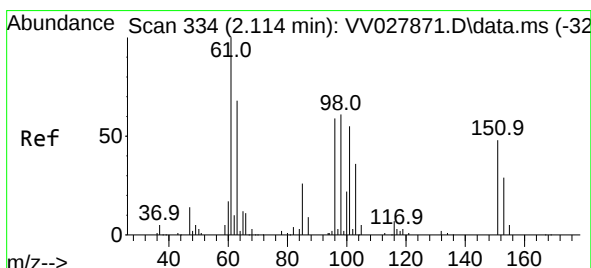
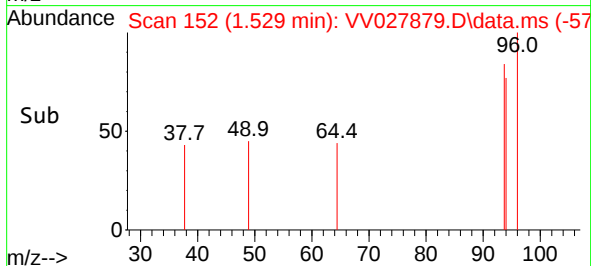
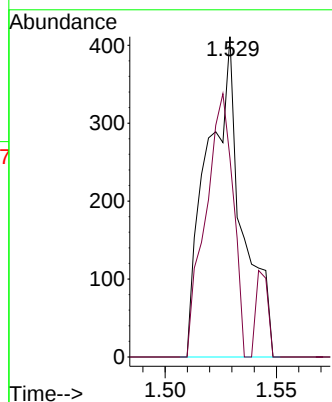
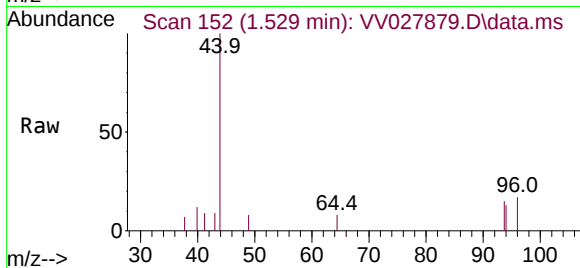




#6
Bromomethane
Concen: 0.065 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

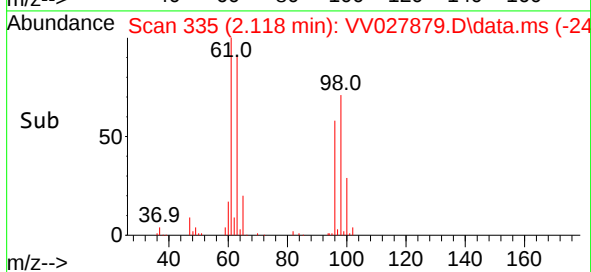
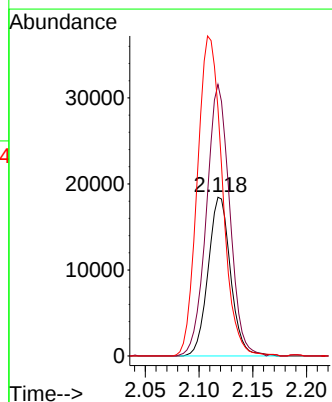
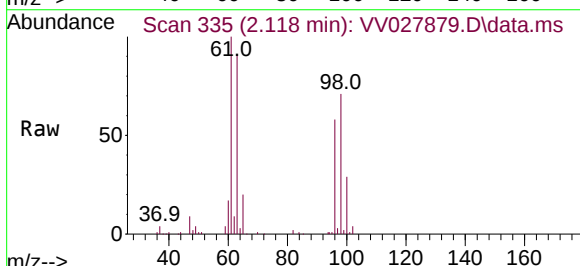
Instrument :
MSVOA_V
ClientSampleId :

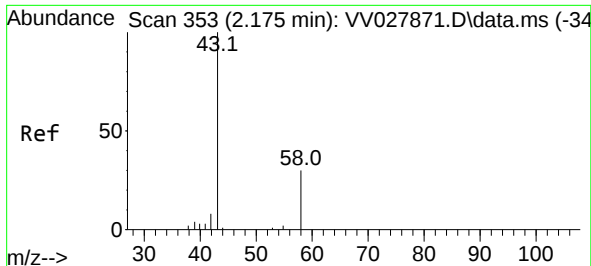
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 62.0 64.2 119.2#



#12
1,1-Dichloroethene
Concen: 2.829 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

Tgt Ion: 96 Resp: 26788
Ion Ratio Lower Upper
96 100
61 171.1 129.9 241.3
63 156.1 94.6 175.8





#13

Acetone

Concen: 6.657 ug/L

RT: 2.179 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

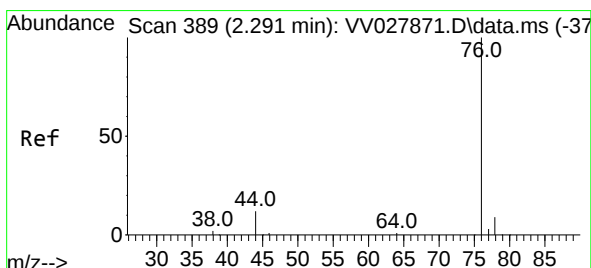
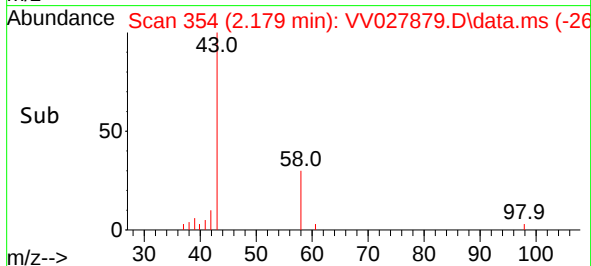
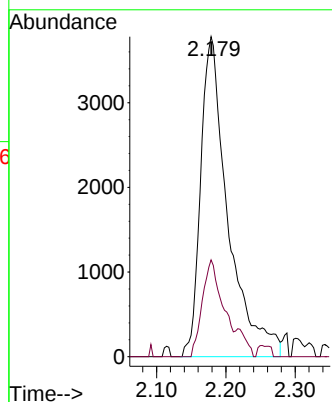
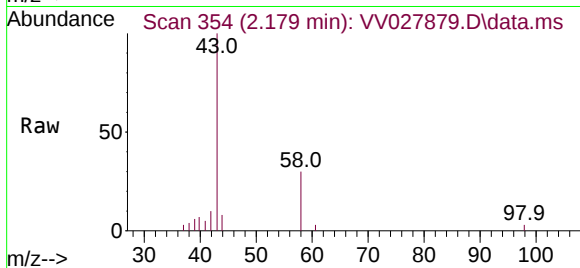
ClientSampleId :

Tgt Ion: 43 Resp: 10352

Ion Ratio Lower Upper

43 100

58 22.9 0.0 49.4



#14

Carbon disulfide

Concen: 4.846 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV027879.D

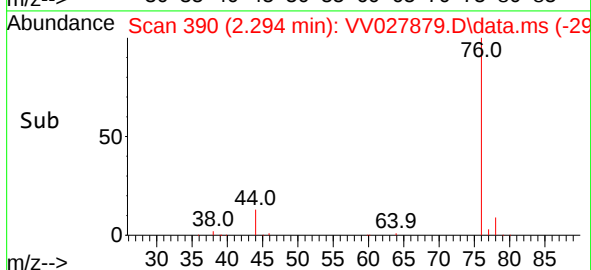
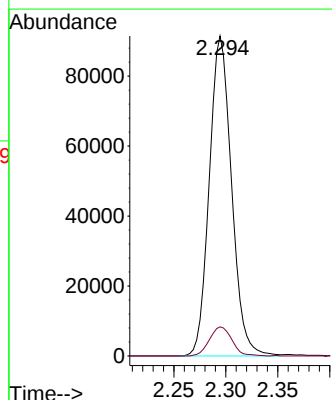
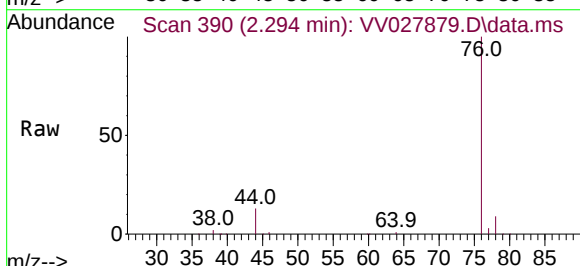
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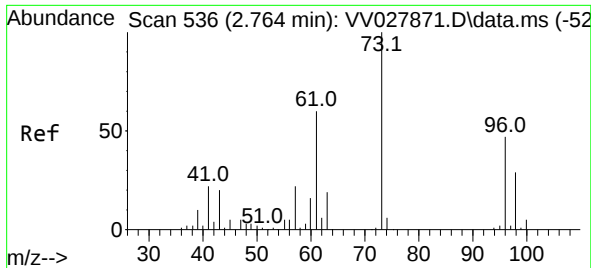
Tgt Ion: 76 Resp: 136239

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

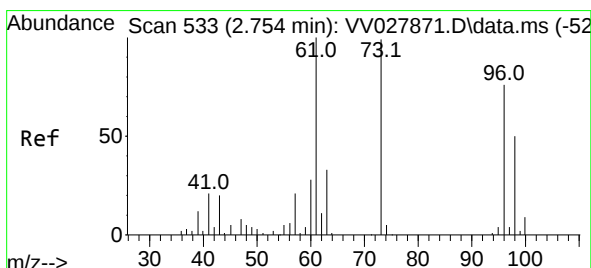
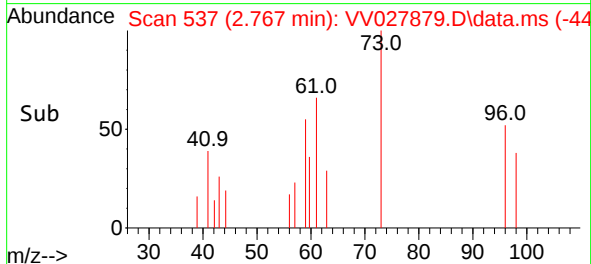
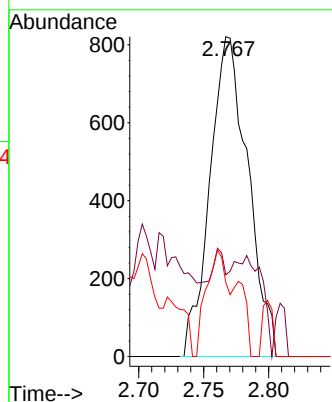
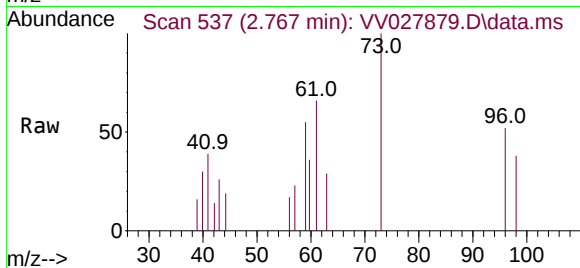




#17
Methyl tert-butyl Ether
Concen: 0.074 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

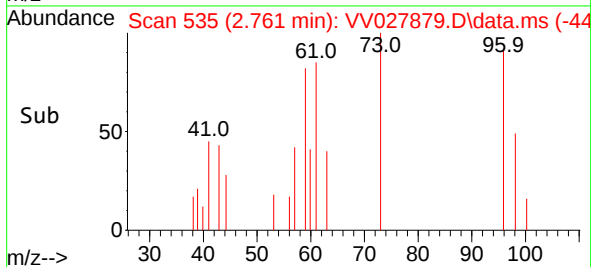
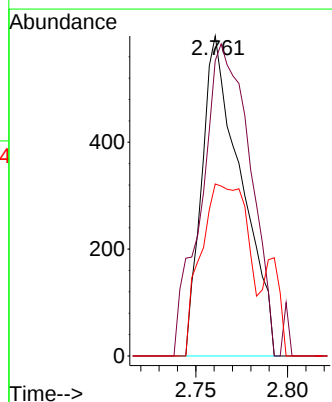
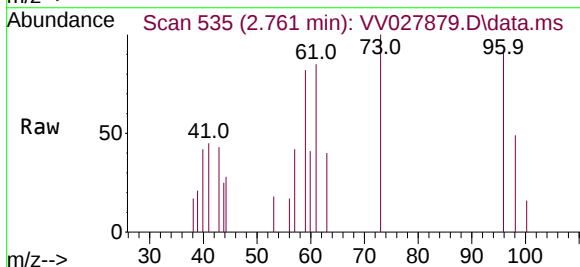
Instrument :
MSVOA_V
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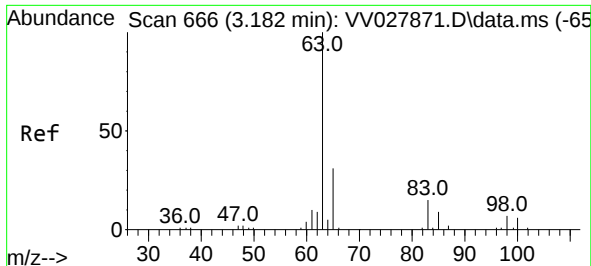
Tgt Ion: 73 Resp: 1667
Ion Ratio Lower Upper
73 100
43 10.4 17.5 26.3#
57 18.5 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 0.089 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

Tgt Ion: 96 Resp: 888
Ion Ratio Lower Upper
96 100
61 92.3 102.6 190.5#
98 53.8 44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.321 ug/L

RT: 3.191 min Scan# 60

Delta R.T. 0.010 min

Lab File: VV027879.D

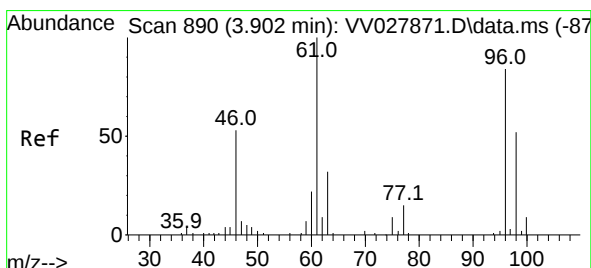
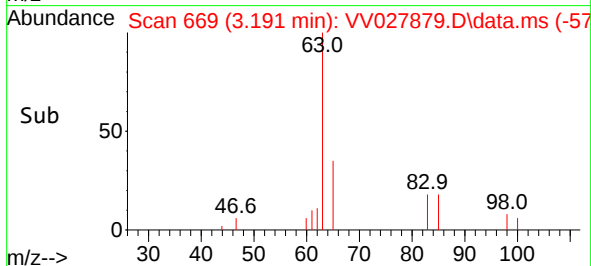
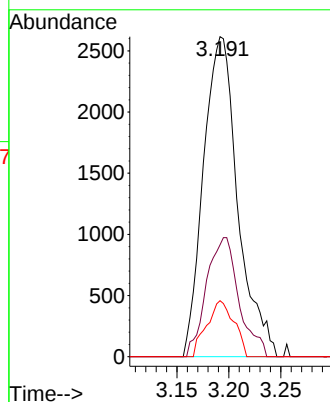
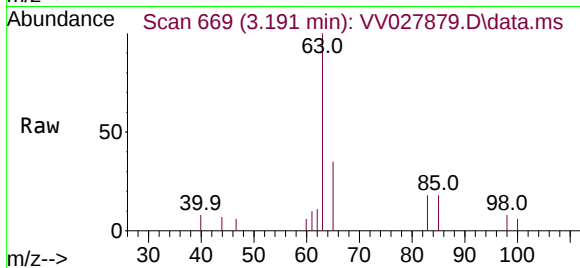
Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 6023
Ion Ratio	Lower Upper
63 100	
65 35.0	22.0 41.0
83 17.5	10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 5.580 ug/L

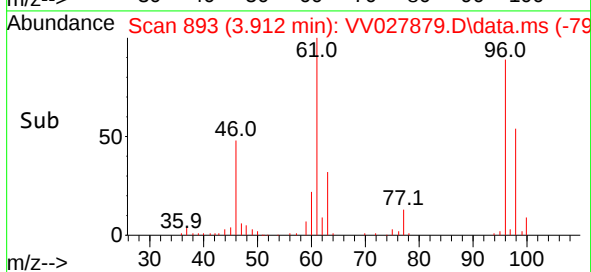
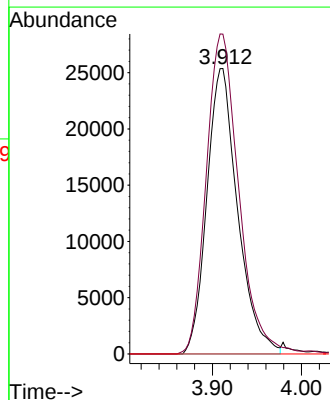
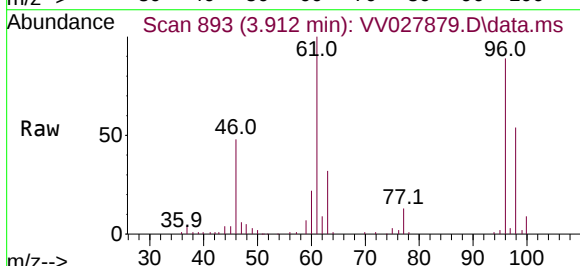
RT: 3.912 min Scan# 893

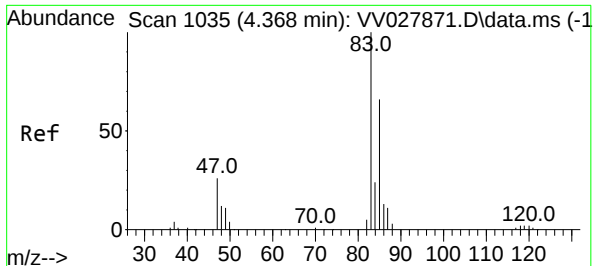
Delta R.T. 0.010 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Tgt Ion: 96	Resp: 60803
Ion Ratio	Lower Upper
96 100	
61 112.0	94.6 175.6
68 0.0	0.3 0.5





#25

Chloroform

Concen: 0.183 ug/L

RT: 4.368 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

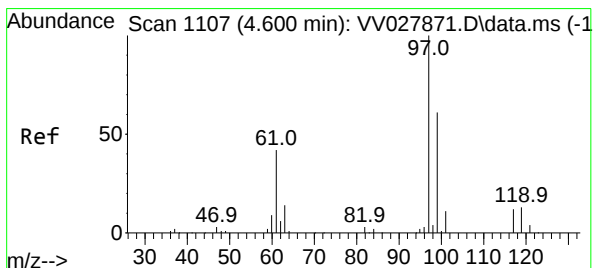
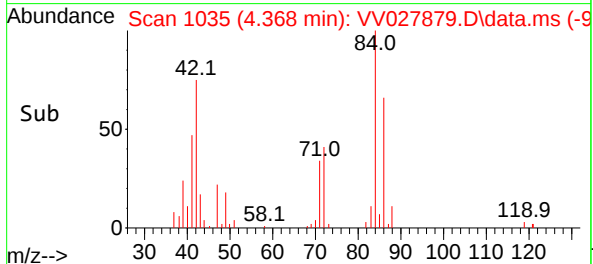
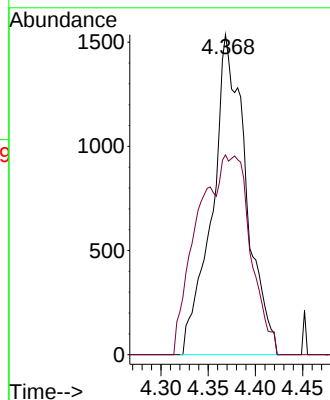
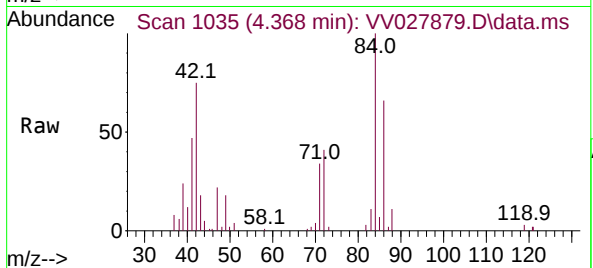
ClientSampleId :

Tgt Ion: 83 Resp: 3815

Ion Ratio Lower Upper

83 100

85 62.4 45.4 84.2



#29

1,1,1-Trichloroethane

Concen: 1.636 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

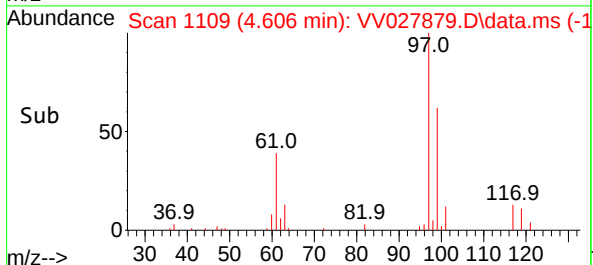
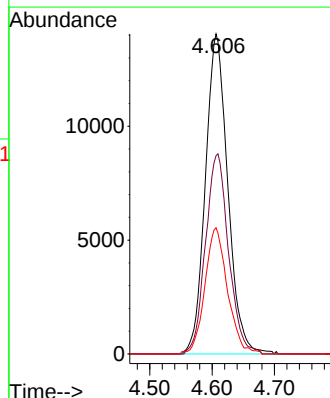
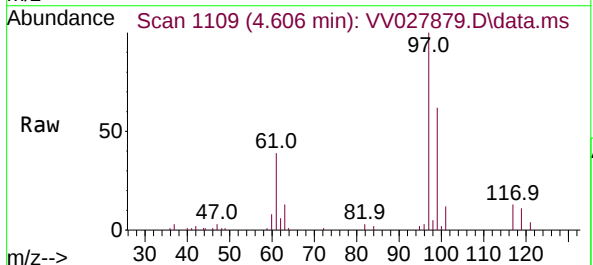
Tgt Ion: 97 Resp: 35132

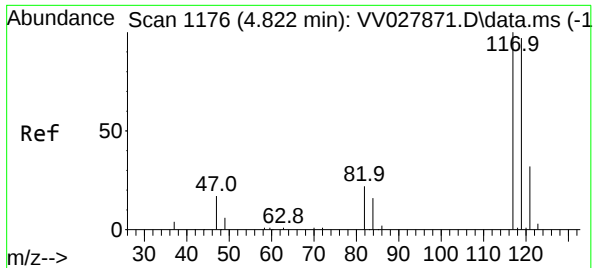
Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

61 39.8 36.2 54.4

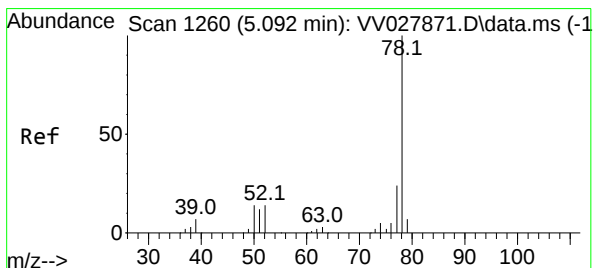
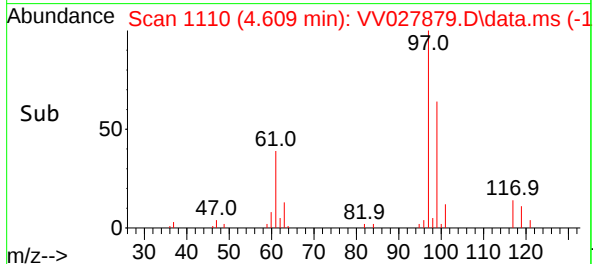
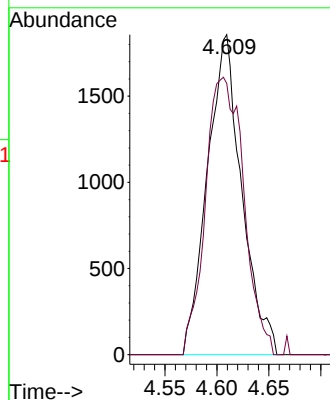
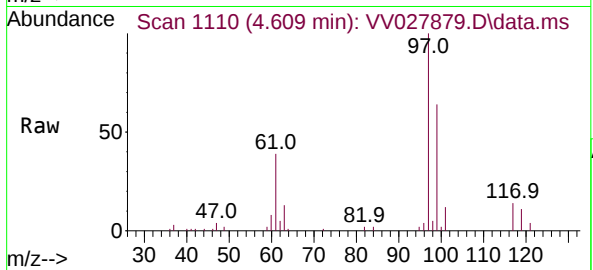




#31
Carbon tetrachloride
Concen: 0.234 ug/L
RT: 4.609 min Scan# 1176
Delta R.T. -0.212 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

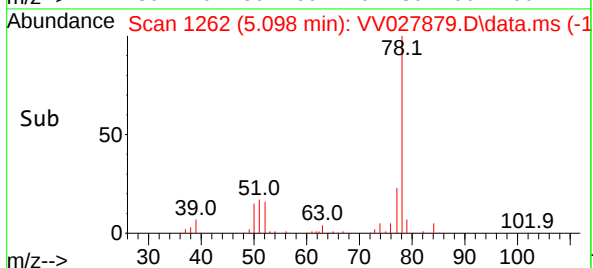
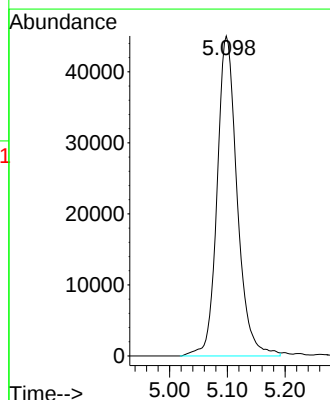
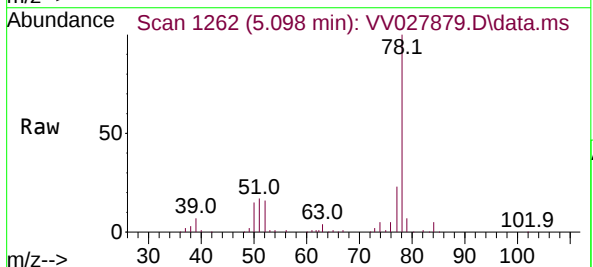
Instrument :
MSVOA_V
ClientSampleId :

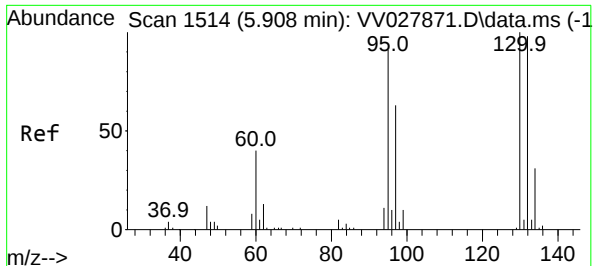
Tgt Ion:117 Resp: 4269
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.8



#33
Benzene
Concen: 2.355 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV027879.D
Acq: 16 Sep 2022 14:02

Tgt Ion: 78 Resp: 108608





#34

Trichloroethene

Concen: 10.587 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.003 min

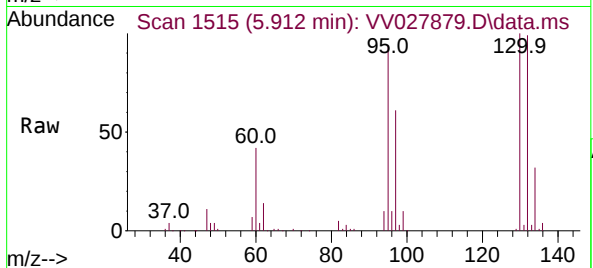
Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 122176

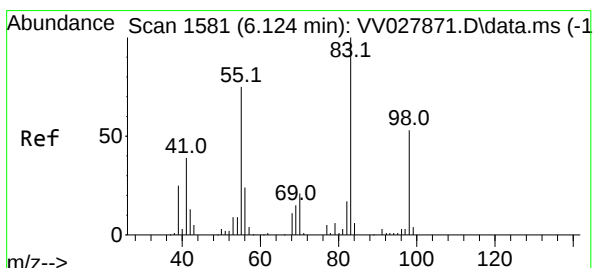
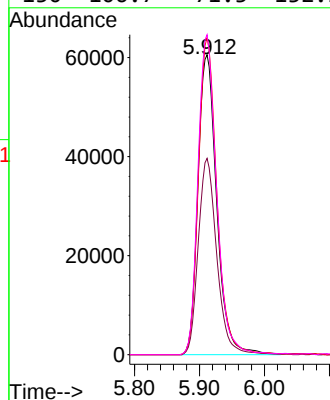
Ion Ratio Lower Upper

95 100

97 65.5 42.9 79.7

132 105.7 67.9 126.1

130 106.7 71.3 132.3



#35

Methylcyclohexane

Concen: 0.783 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

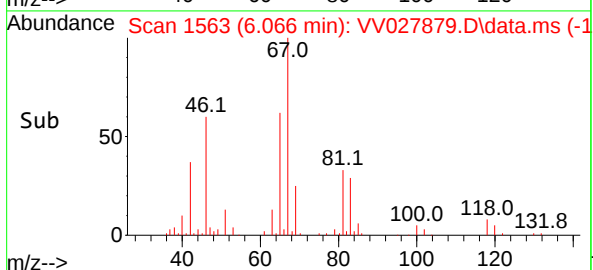
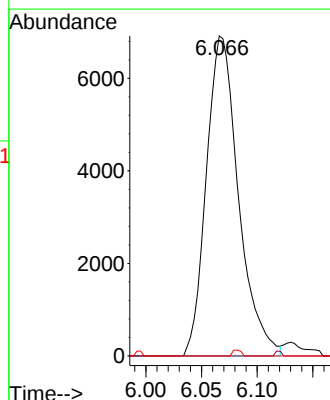
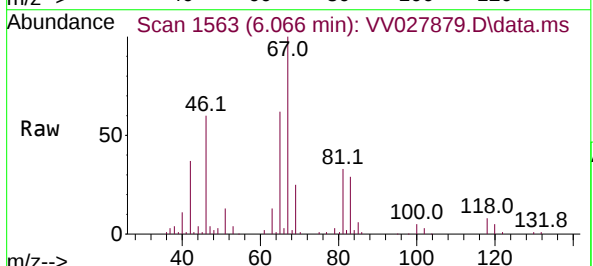
Tgt Ion: 83 Resp: 13872

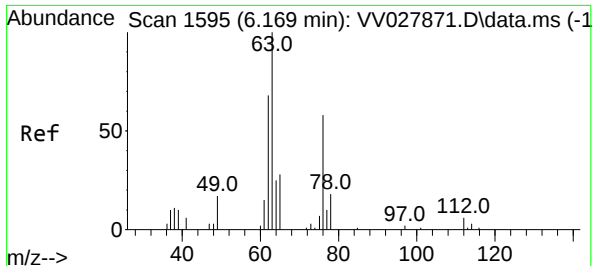
Ion Ratio Lower Upper

83 100

55 0.3 61.9 92.9#

98 0.0 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.618 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

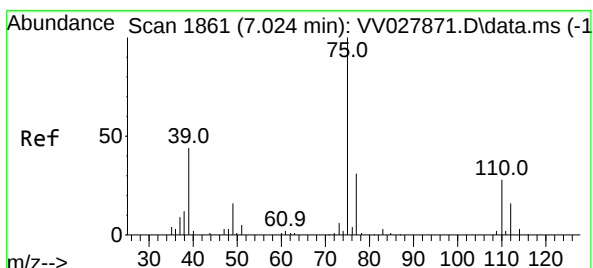
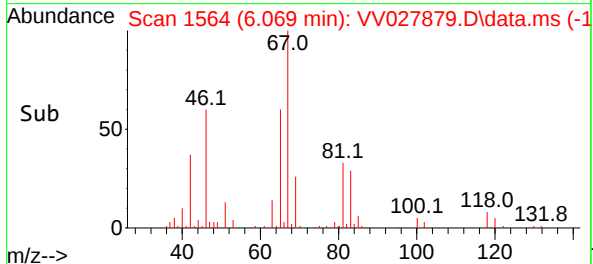
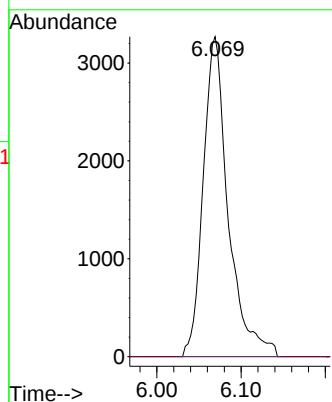
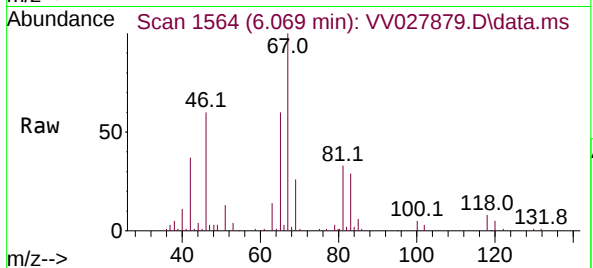
ClientSampleId :

Tgt Ion: 63 Resp: 6758

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.032 min

Lab File: VV027879.D

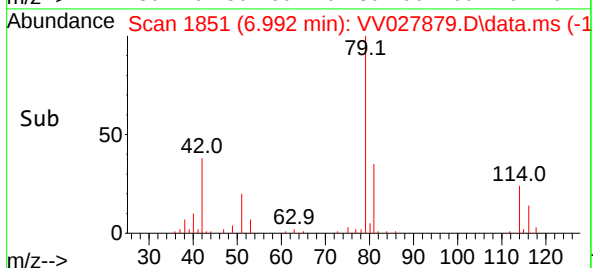
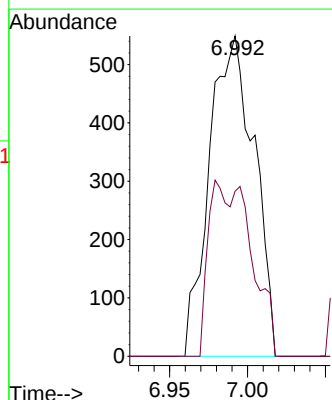
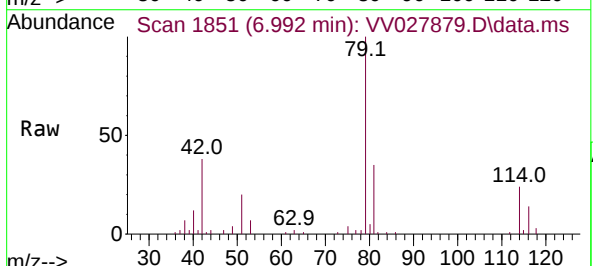
Acq: 16 Sep 2022 14:02

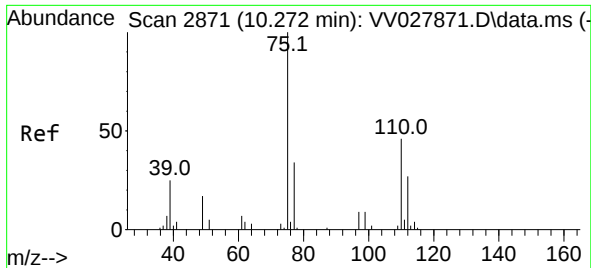
Tgt Ion: 75 Resp: 1098

Ion Ratio Lower Upper

75 100

77 51.5 22.0 40.8#





#61

1,2,3-Trichloropropane

Concen: 1.139 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

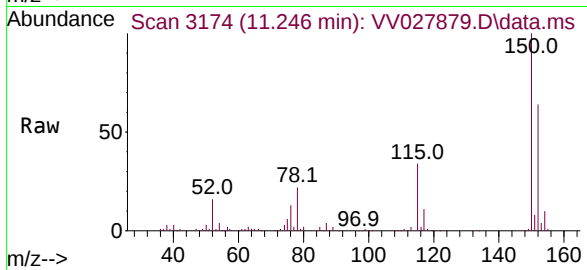
Lab File: VV027879.D

Acq: 16 Sep 2022 14:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75	Resp:	6144
Ion Ratio	Lower	Upper
75	100	
77	38.0	27.6 41.4
110	1.5	35.6 53.4#

