

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071322\
 Data File : VW026765.D
 Acq On : 13 Jul 2022 20:28
 Operator : SY/MD
 Sample : N3658-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COAJ1

Quant Time: Jul 13 23:06:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 23:00:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	241249	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	248003	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	95162	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	91621	4.163	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.561	69	85526	4.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.101	63	133271	3.154	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.000%
20) 2-Butanone-d5	3.896	46	166032	48.335	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.680%
24) Chloroform-d	4.346	84	185872	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.031	65	83175	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.047	84	340554	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.069	67	111158	4.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.314	98	254398	3.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	7.625	79	23847	3.226	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.600%
46) 2-Hexanone-d5	8.088	63	165635	51.751	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	80659	4.582	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	90178	5.439	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	1442	0.049	ug/L	89
5) Vinyl chloride	1.304	62	71805	2.396	ug/L	96
6) Bromomethane	1.516	94	1629	0.091	ug/L	88
8) Chloroethane	1.680	64	1272	0.072	ug/L #	51
12) 1,1-Dichloroethene	2.108	96	4586	0.217	ug/L #	1
13) Acetone	2.182	43	12244	4.237	ug/L #	24
14) Carbon disulfide	2.288	76	5524	0.089	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	2423	0.066	ug/L #	76
18) trans-1,2-Dichloroethene	2.754	96	26862	1.382	ug/L	93
21) 2-Butanone	4.085	43	65625	19.470	ug/L #	48
22) cis-1,2-Dichloroethene	3.905	96	612692	31.245	ug/L	96
25) Chloroform	4.375	83	26880	0.723	ug/L	99
34) Trichloroethene	5.908	95	308331	15.131	ug/L	97
35) Methylcyclohexane	6.066	83	26771	0.861	ug/L #	20
37) 1,2-Dichloropropane	6.175	63	8395	0.423	ug/L #	97
38) Bromodichloromethane	6.510	83	30249	1.170	ug/L	99
39) cis-1,3-Dichloropropene	6.989	75	1632	0.066	ug/L #	42
42) Toluene	7.387	91	218088	2.604	ug/L	99
45) 1,1,2-Trichloroethane	7.973	97	28758	1.984	ug/L #	1

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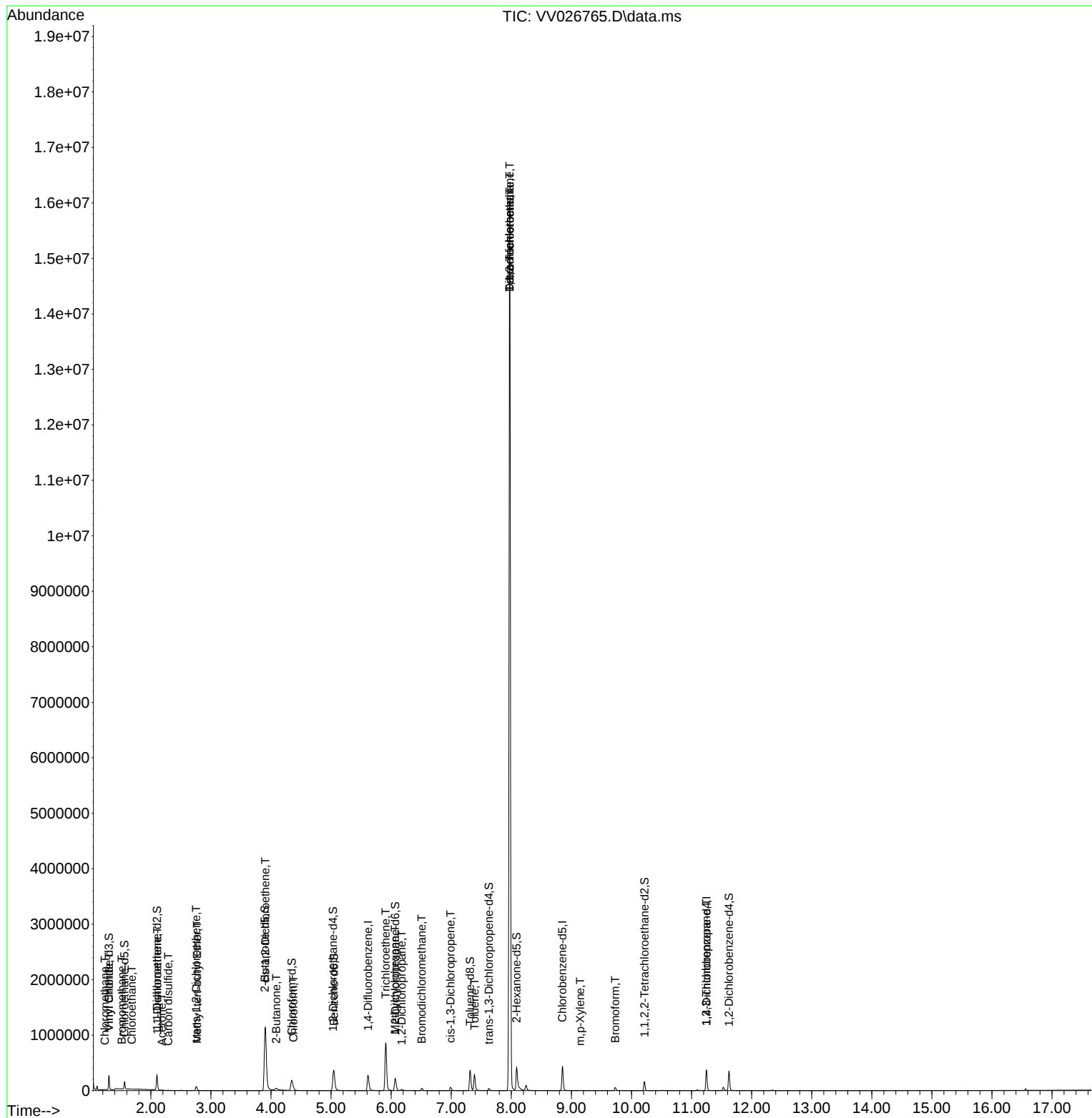
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.973	164	3333273	208.556	ug/L	98
49) Dibromochloromethane	7.973	129	3258271	195.075	ug/L #	10
53) m,p-Xylene	9.146	106	1158	0.036	ug/L	88
59) Bromoform	9.731	173	25791	4.224	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	11918	1.358	ug/L #	64

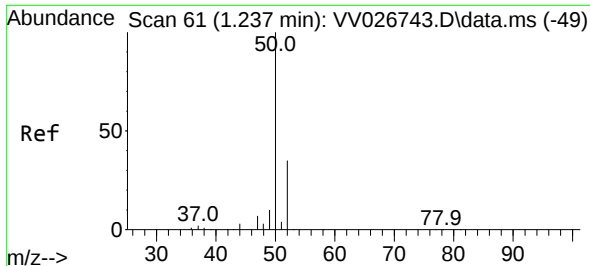
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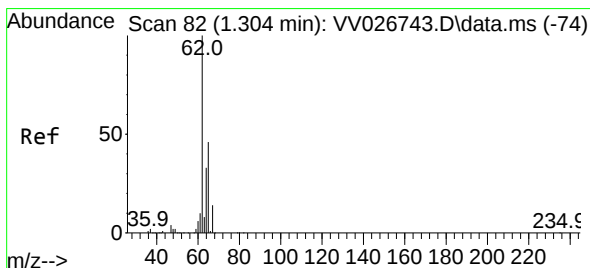
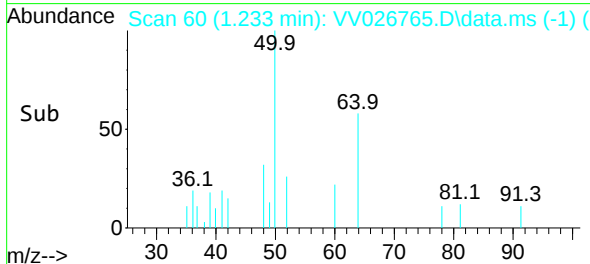
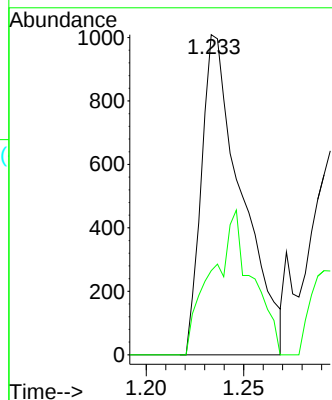
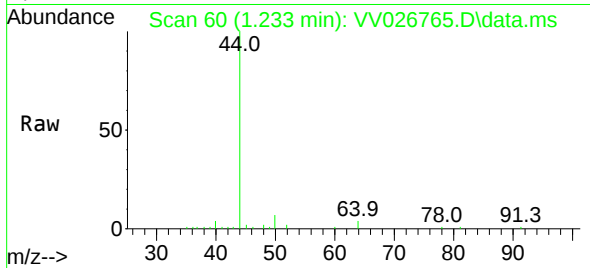




#3
Chloromethane
Concen: 0.049 ug/L
RT: 1.233 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

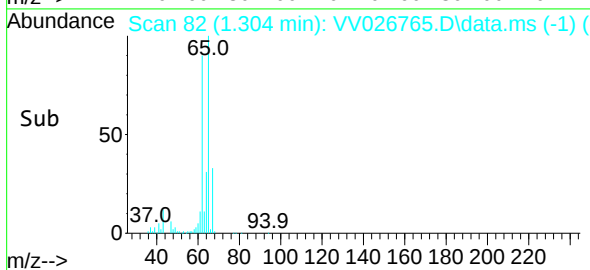
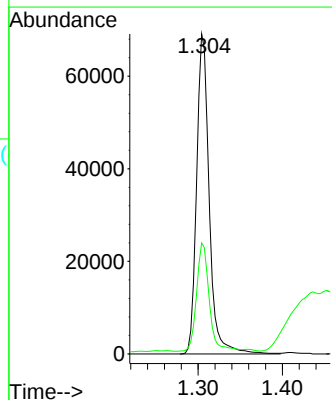
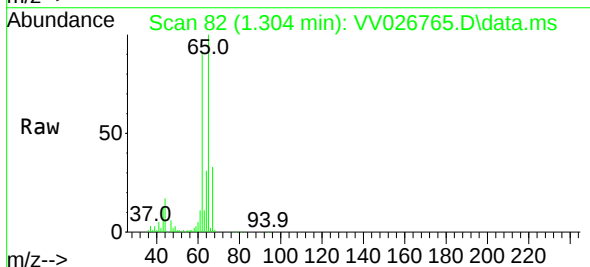
Instrument :
MSVOA_V
ClientSampleId :
C0AJ1

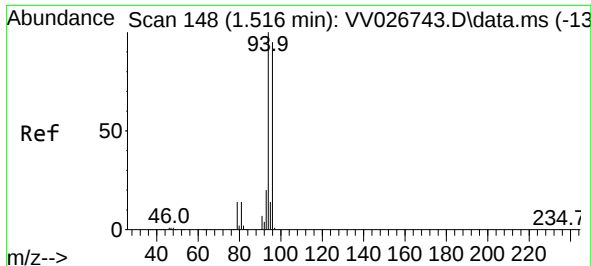
Tgt Ion: 50 Resp: 1442
Ion Ratio Lower Upper
50 100
52 26.3 22.8 42.4



#5
Vinyl chloride
Concen: 2.396 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 62 Resp: 71805
Ion Ratio Lower Upper
62 100
64 34.7 22.9 42.5

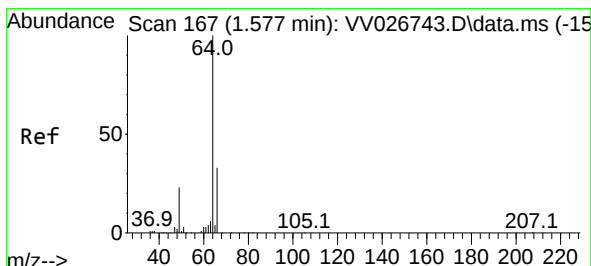
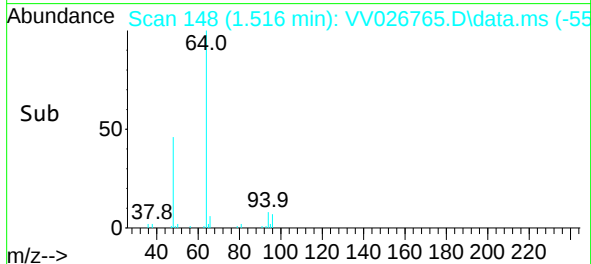
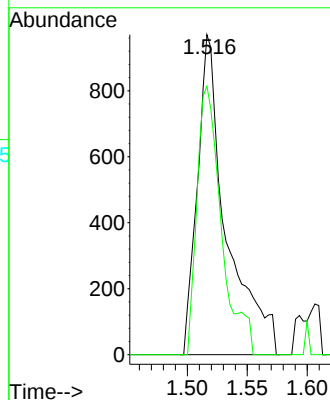
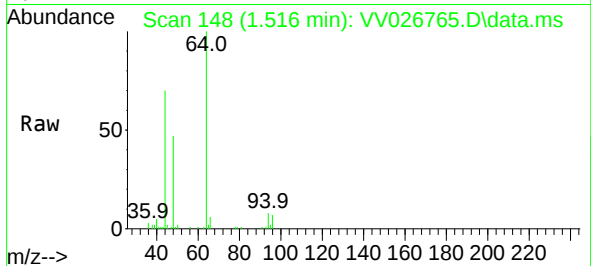




#6
Bromomethane
Concen: 0.091 ug/L
RT: 1.516 min Scan# 148
Delta R.T. 0.000 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

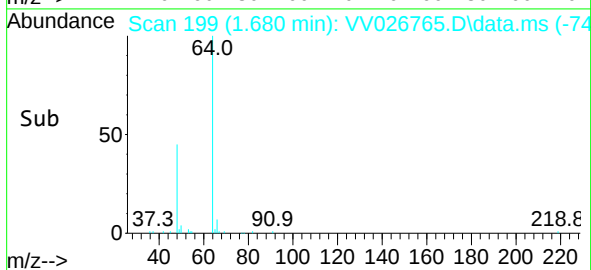
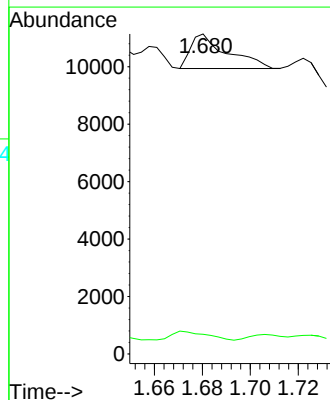
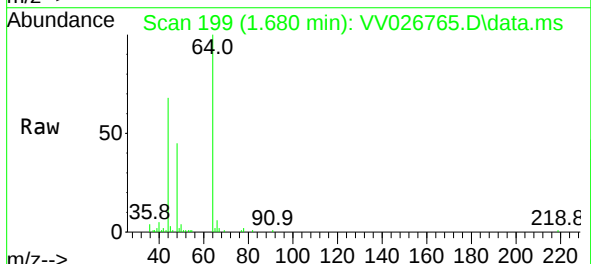
Instrument :
MSVOA_V
ClientSampleId :
C0AJ1

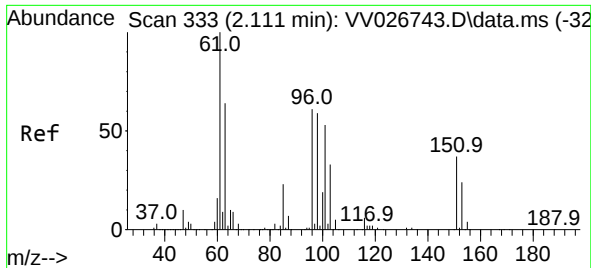
Tgt Ion: 94 Resp: 1629
Ion Ratio Lower Upper
94 100
96 83.9 67.1 124.7



#8
Chloroethane
Concen: 0.072 ug/L
RT: 1.680 min Scan# 199
Delta R.T. 0.103 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 64 Resp: 1272
Ion Ratio Lower Upper
64 100
66 6.2 23.9 44.5#

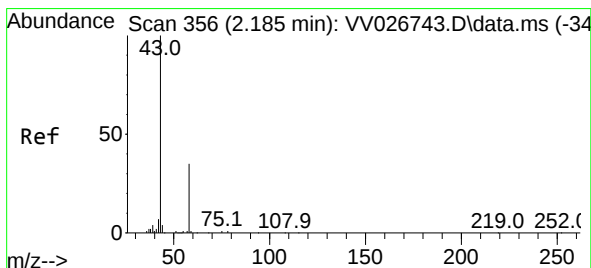
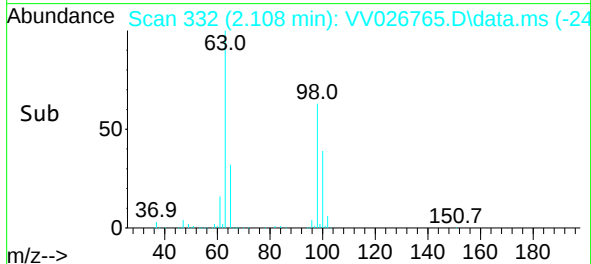
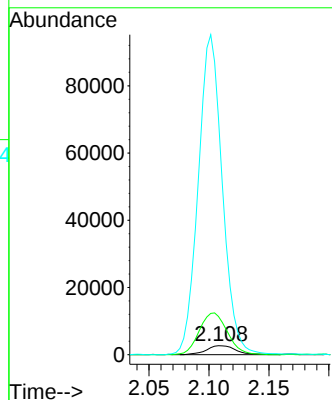
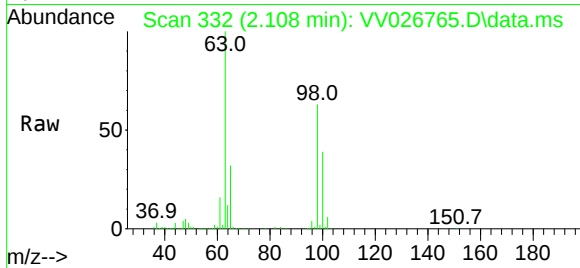




#12
1,1-Dichloroethene
Concen: 0.217 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

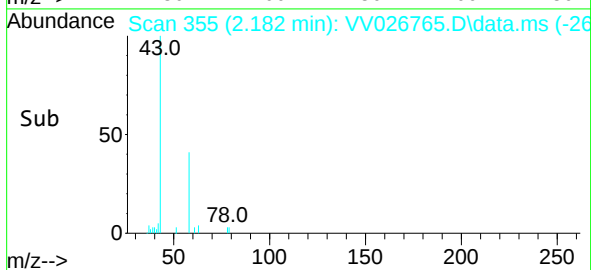
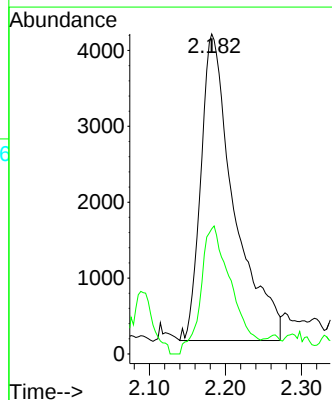
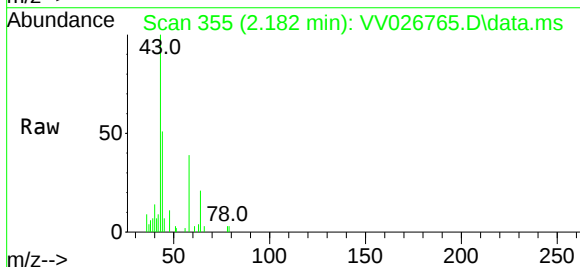
Instrument :
MSVOA_V
ClientSampleId :
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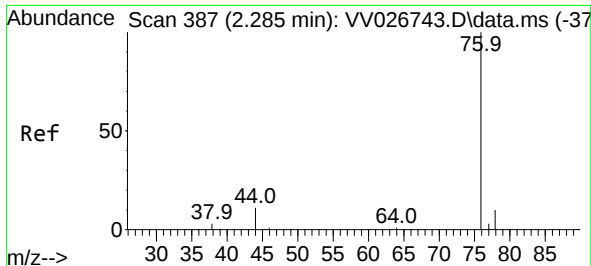
Tgt Ion: 96 Resp: 4586
Ion Ratio Lower Upper
96 100
61 425.5 118.3 219.7#
63 2638.1 79.9 148.3#



#13
Acetone
Concen: 4.237 ug/L
RT: 2.182 min Scan# 355
Delta R.T. -0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 43 Resp: 12244
Ion Ratio Lower Upper
43 100
58 38.6 0.0 20.6#

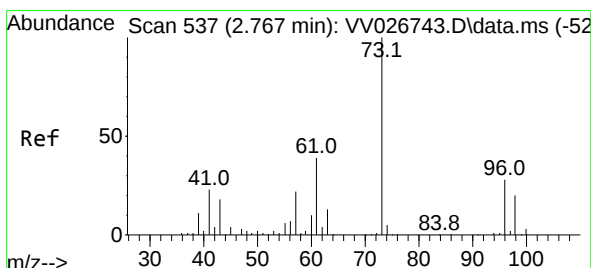
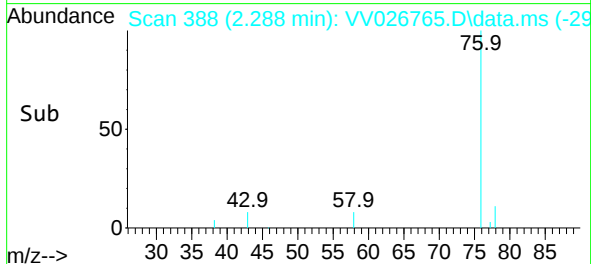
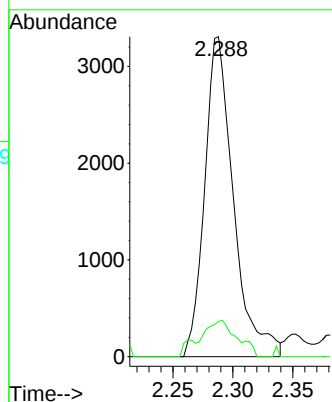
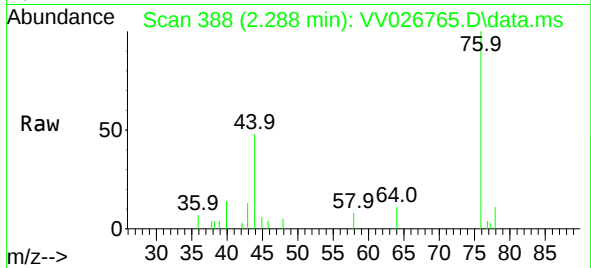




#14
Carbon disulfide
Concen: 0.089 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

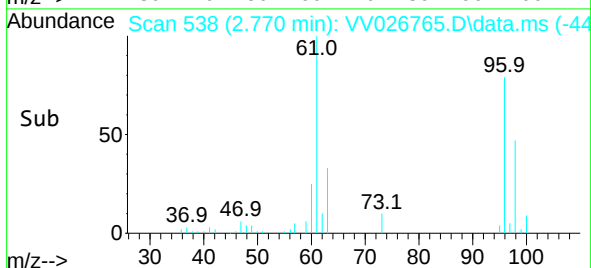
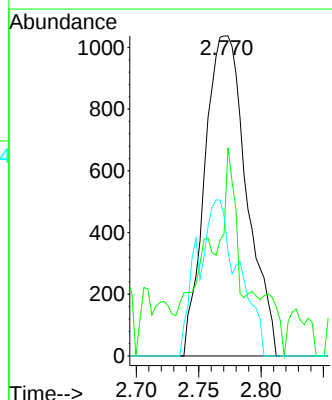
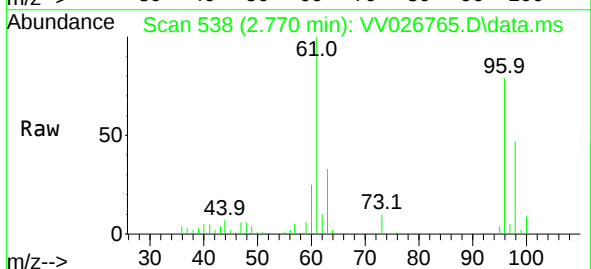
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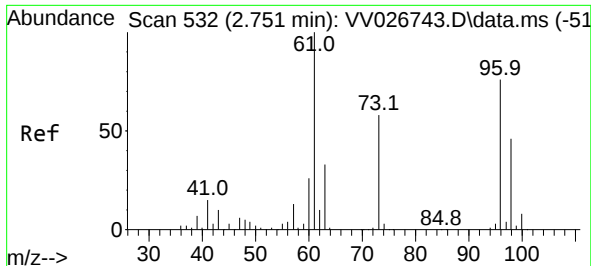
Tgt Ion: 76 Resp: 5524
Ion Ratio Lower Upper
76 100
78 11.0 7.7 11.5



#17
Methyl tert-butyl Ether
Concen: 0.066 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 73 Resp: 2423
Ion Ratio Lower Upper
73 100
43 12.5 14.0 21.0#
57 37.9 17.6 26.4#

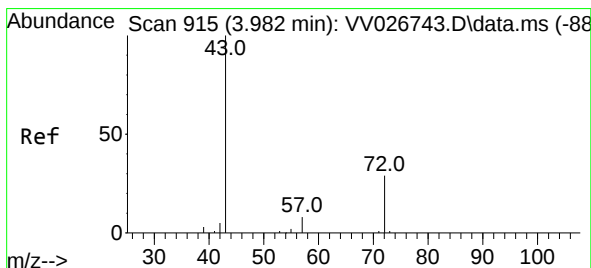
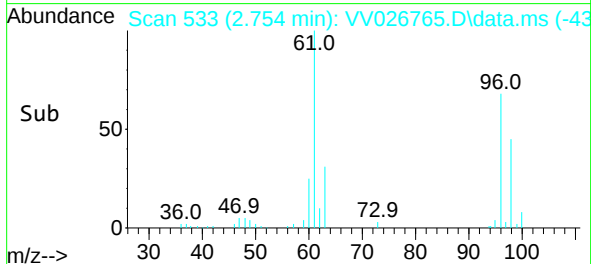
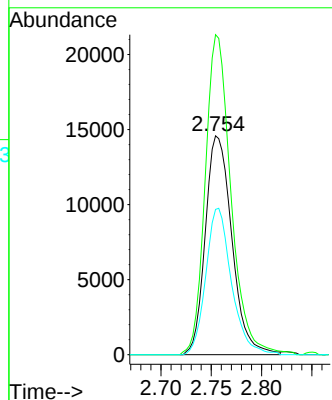
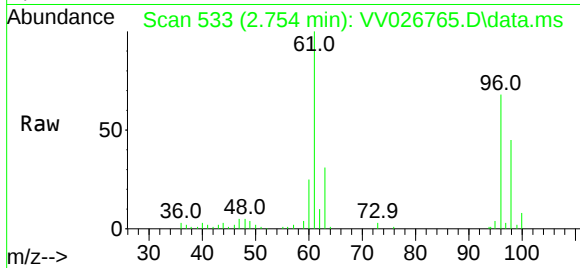




#18
trans-1,2-Dichloroethene
Concen: 1.382 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

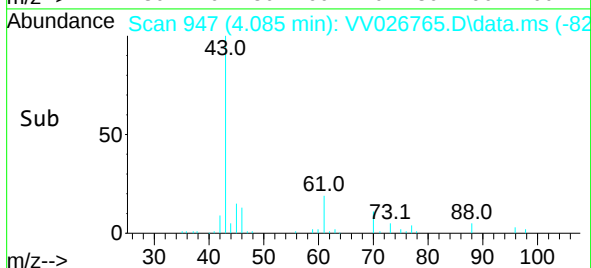
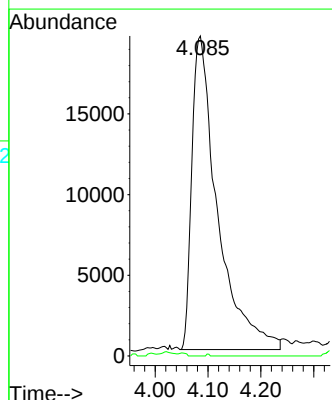
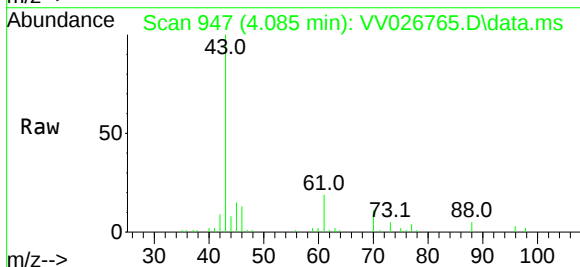
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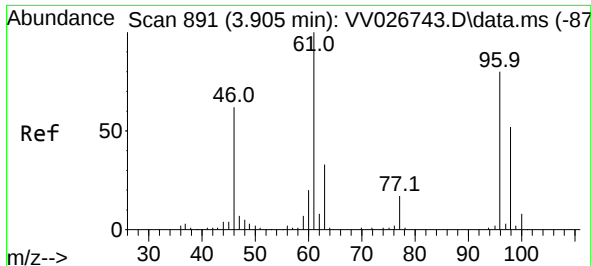
Tgt Ion: 96 Resp: 26862
Ion Ratio Lower Upper
96 100
61 146.1 94.7 175.9
98 66.4 47.4 88.0



#21
2-Butanone
Concen: 19.470 ug/L
RT: 4.085 min Scan# 947
Delta R.T. 0.103 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 43 Resp: 65625
Ion Ratio Lower Upper
43 100
72 0.7 13.9 41.7#





#22

cis-1,2-Dichloroethene

Concen: 31.245 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

C0AJ1

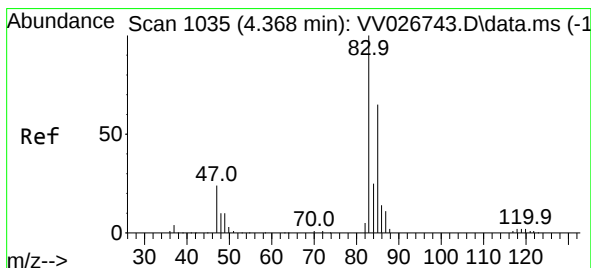
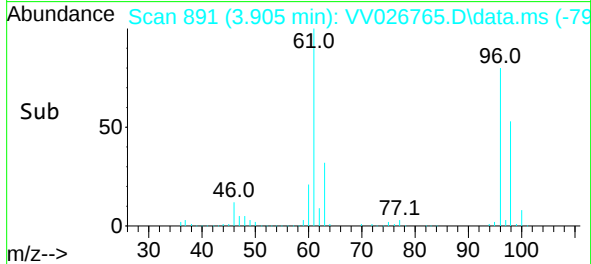
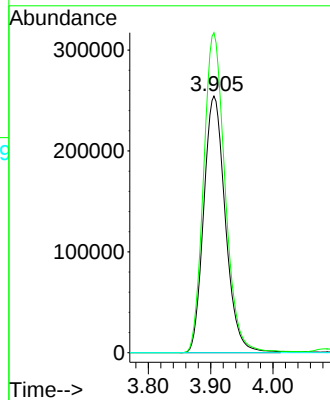
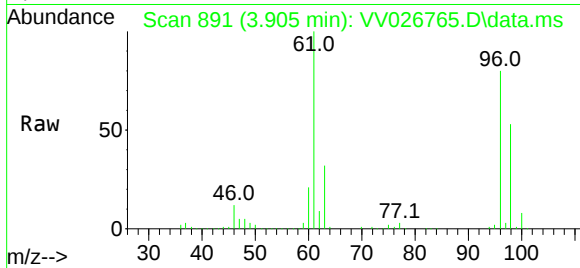
Tgt Ion: 96 Resp: 612692

Ion Ratio Lower Upper

96 100

61 124.7 83.9 155.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.723 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VV026765.D

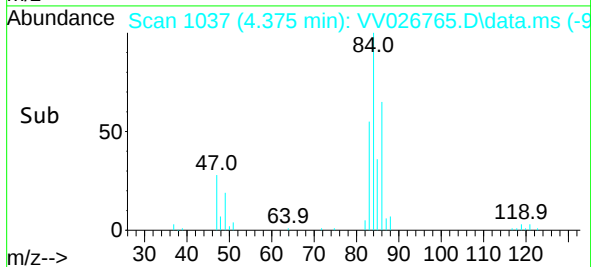
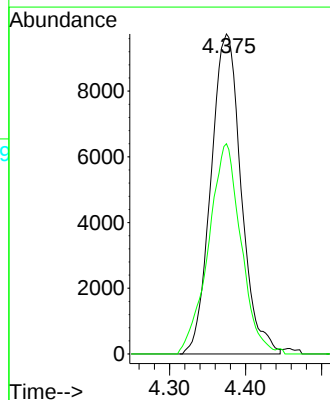
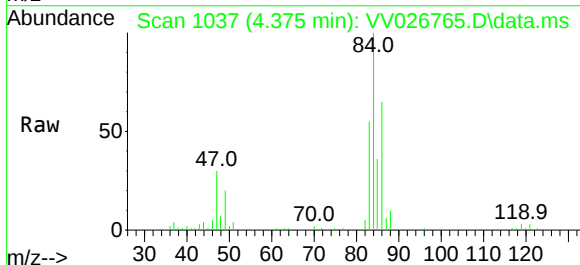
Acq: 13 Jul 2022 20:28

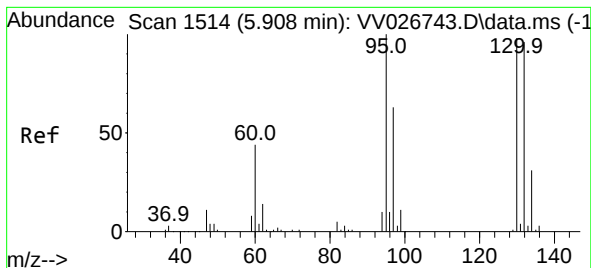
Tgt Ion: 83 Resp: 26880

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9





#34

Trichloroethene

Concen: 15.131 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

C0AJ1

Tgt Ion: 95 Resp: 308331

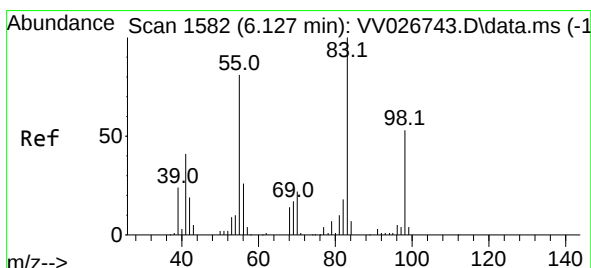
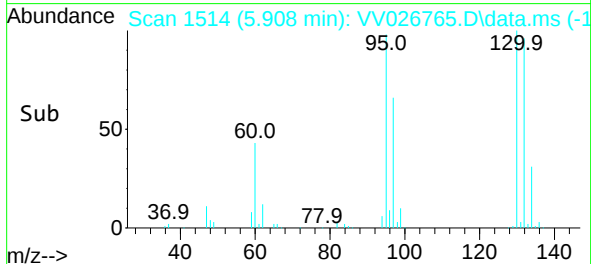
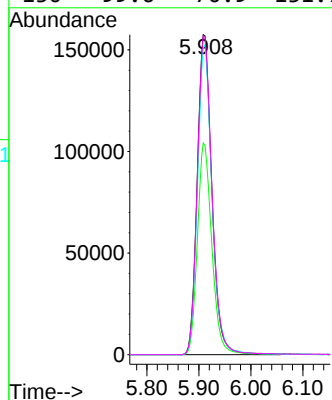
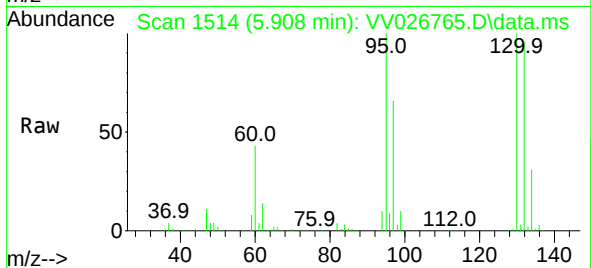
Ion Ratio Lower Upper

95 100

97 66.1 44.6 82.8

132 96.0 70.2 130.4

130 99.6 70.9 131.7



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

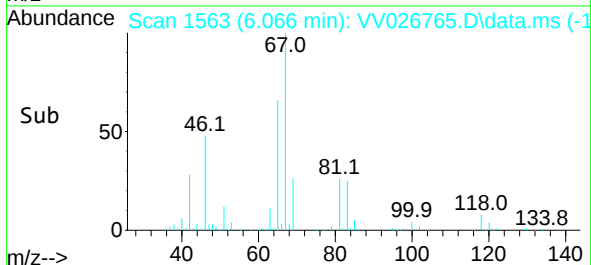
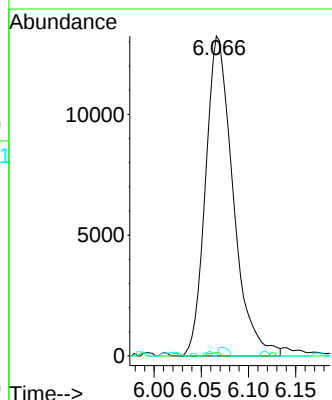
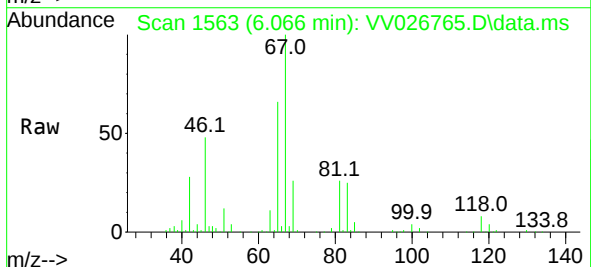
Tgt Ion: 83 Resp: 26771

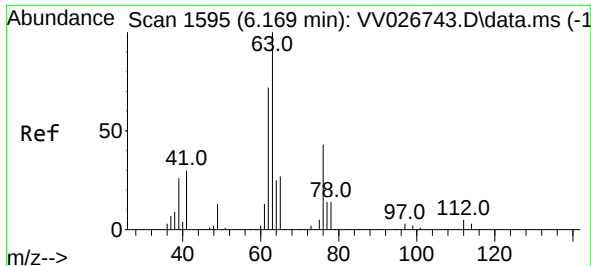
Ion Ratio Lower Upper

83 100

55 0.4 59.5 89.3#

98 0.9 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.423 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

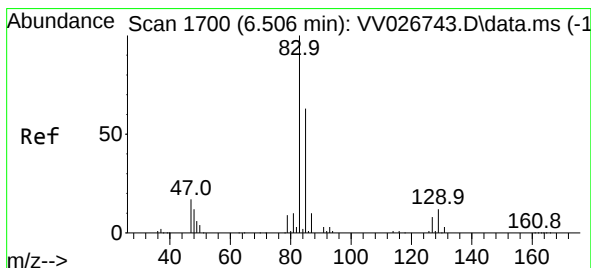
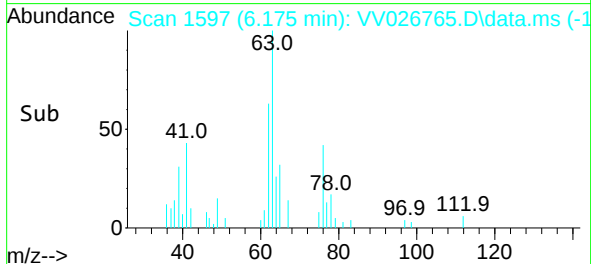
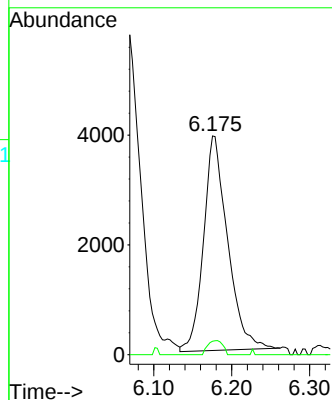
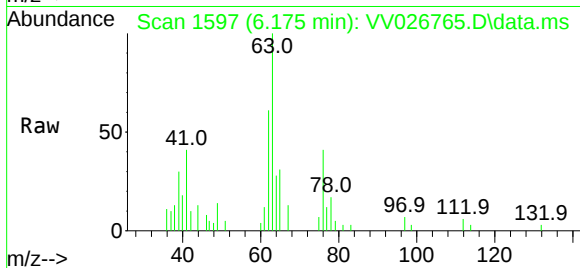
C0AJ1

Tgt Ion: 63 Resp: 8395

Ion Ratio Lower Upper

63 100

112 4.1 4.2 6.2#



#38

Bromodichloromethane

Concen: 1.170 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

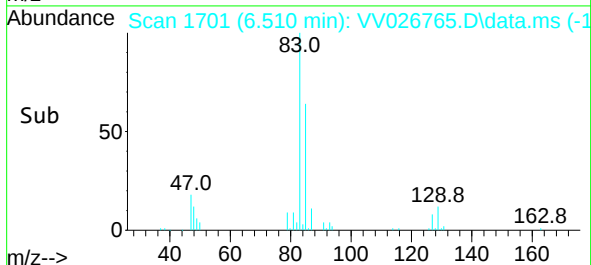
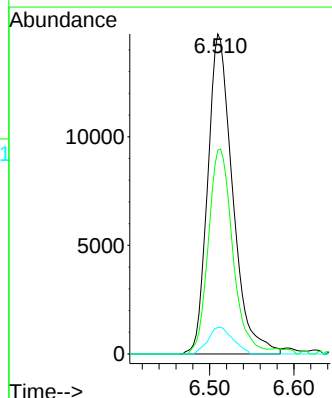
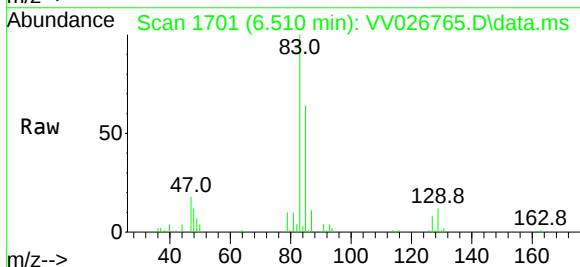
Tgt Ion: 83 Resp: 30249

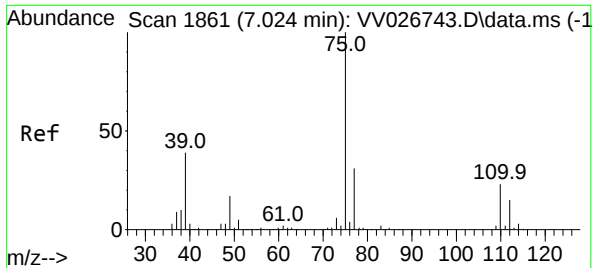
Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

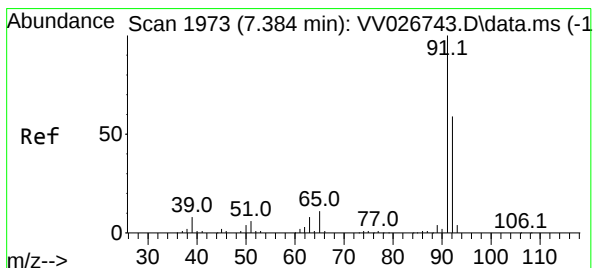
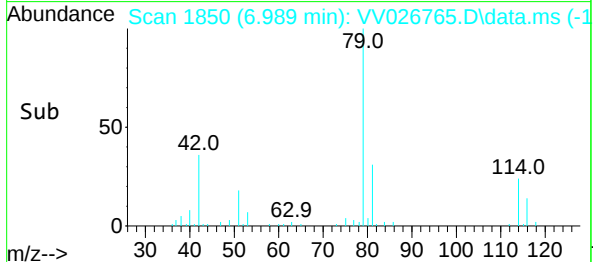
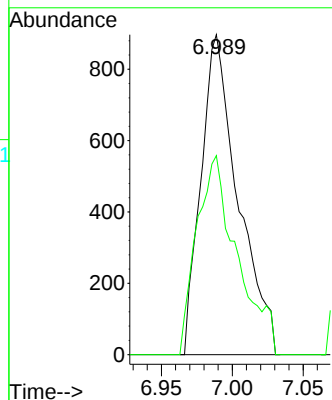
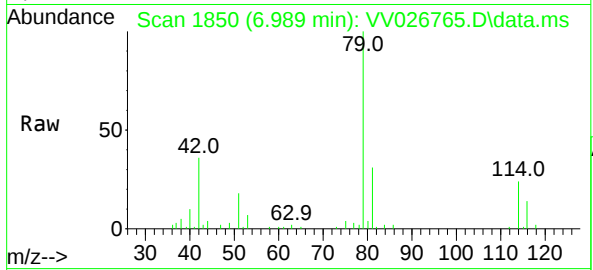
C0AJ1

Tgt Ion: 75 Resp: 1632

Ion Ratio Lower Upper

75 100

77 62.2 21.4 39.8#



#42

Toluene

Concen: 2.604 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV026765.D

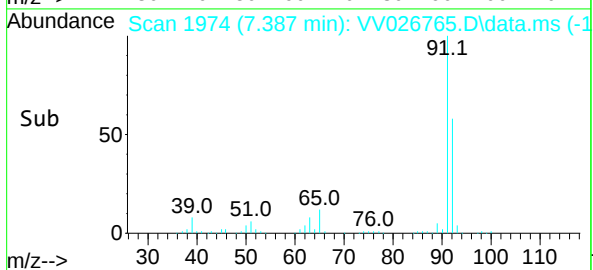
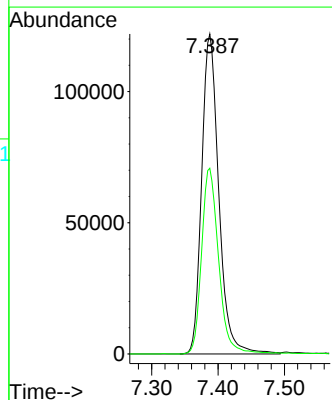
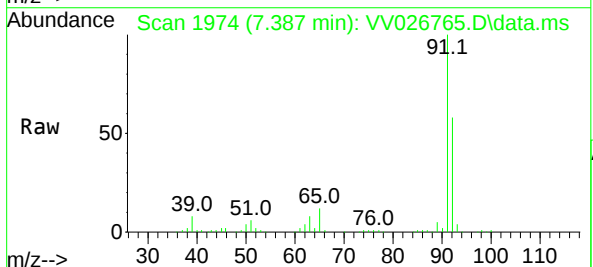
Acq: 13 Jul 2022 20:28

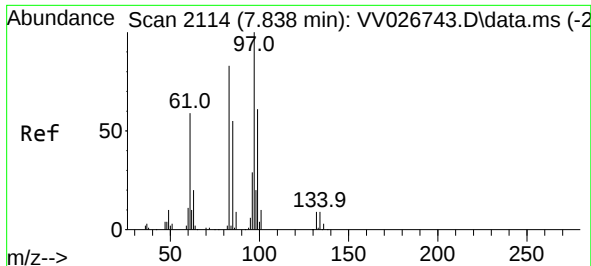
Tgt Ion: 91 Resp: 218088

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6

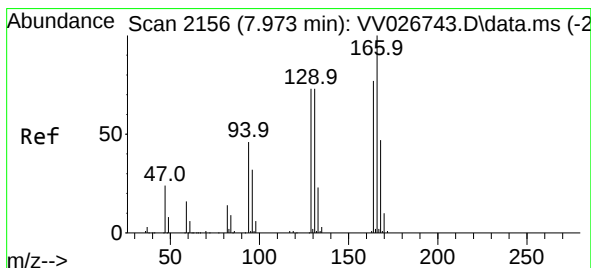
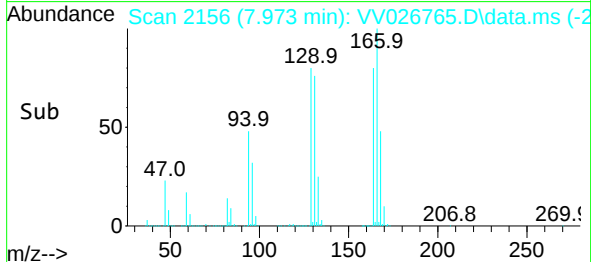
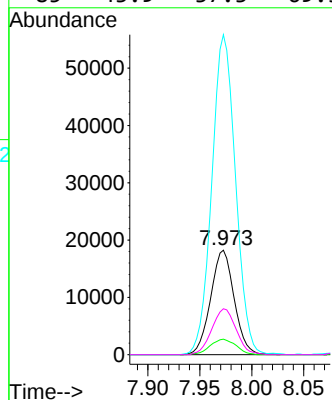
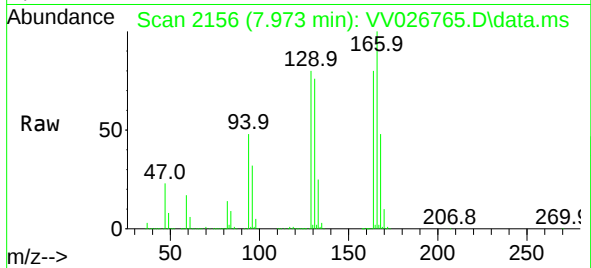




#45
1,1,2-Trichloroethane
Concen: 1.984 ug/L
RT: 7.973 min Scan# 2114
Delta R.T. 0.135 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

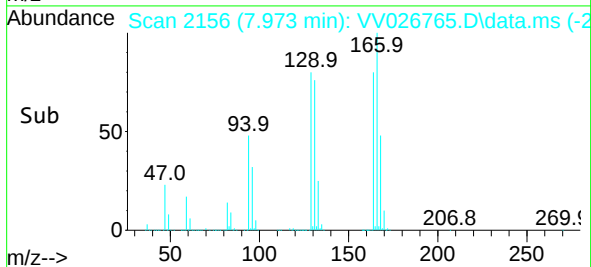
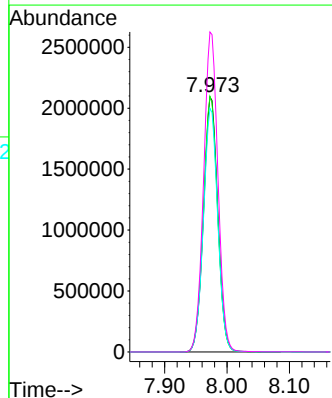
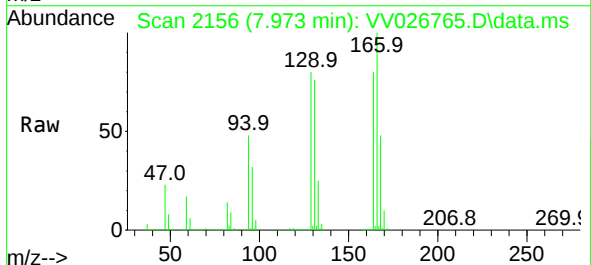
Instrument :
MSVOA_V
ClientSampleId :
C0AJ1

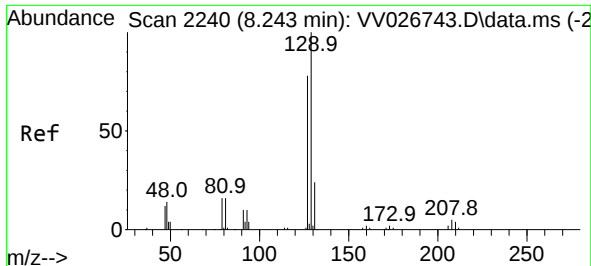
Tgt Ion: 97	Resp: 28758
Ion Ratio	Lower Upper
97 100	
99 14.8	41.9 77.9#
83 306.5	58.1 107.9#
85 43.9	37.3 69.3



#47
Tetrachloroethene
Concen: 208.556 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt	Ion:164	Resp:	3333273
Ion	Ratio	Lower	Upper
164	100		
129	100.2	67.8	125.8
131	95.5	65.9	122.5
166	125.5	88.8	164.8





#49

Dibromochloromethane

Concen: 195.075 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV026765.D

Acq: 13 Jul 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

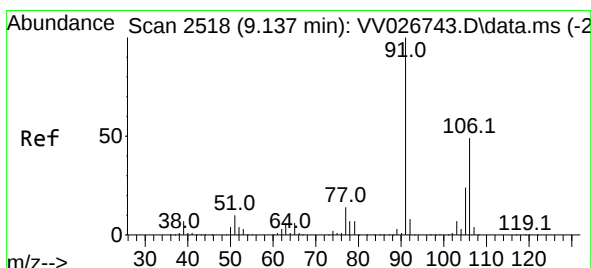
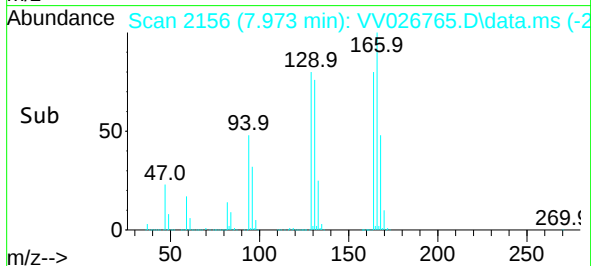
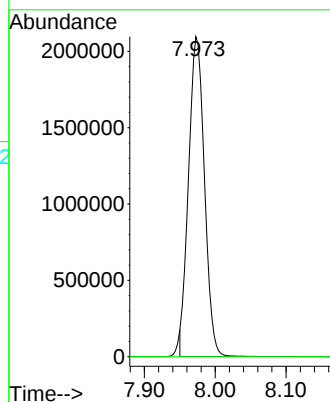
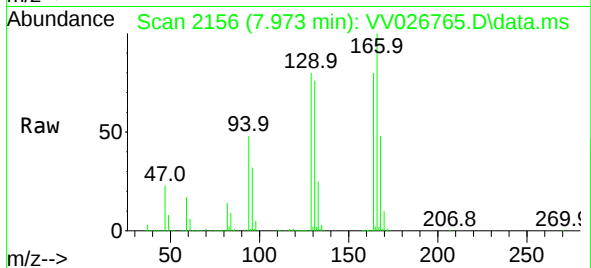
C0AJ1

Tgt Ion:129 Resp: 3258271

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#53

m,p-Xylene

Concen: 0.036 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV026765.D

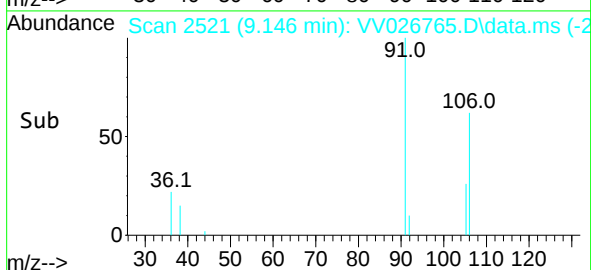
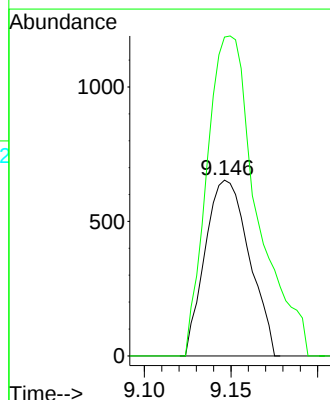
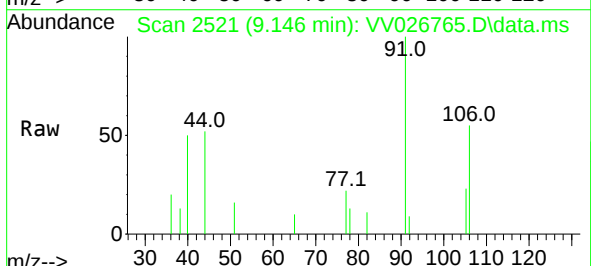
Acq: 13 Jul 2022 20:28

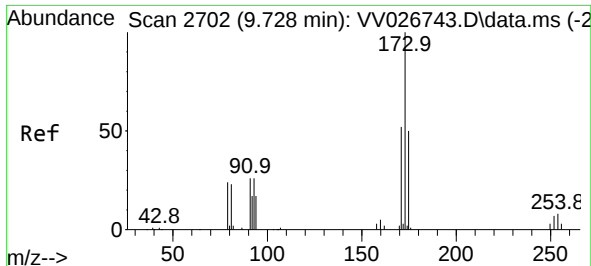
Tgt Ion:106 Resp: 1158

Ion Ratio Lower Upper

106 100

91 181.3 139.3 258.7

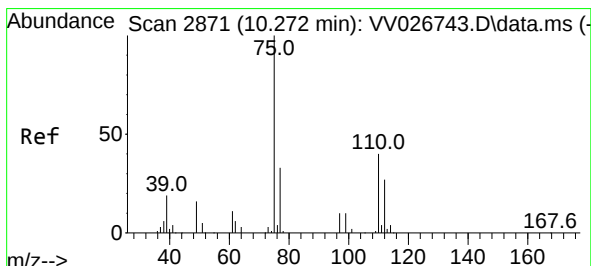
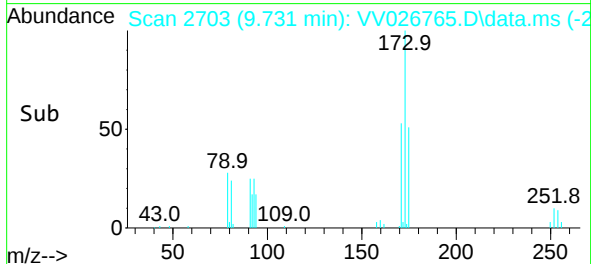
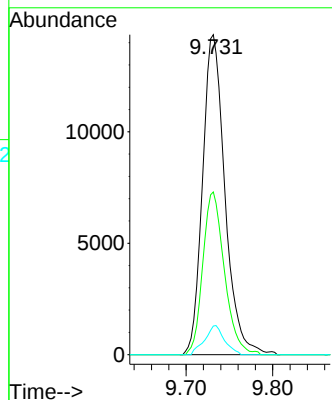
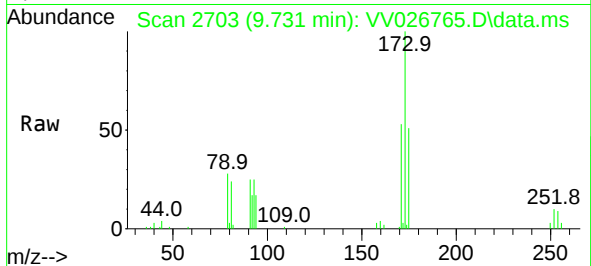




#59
Bromoform
Concen: 4.224 ug/L
RT: 9.731 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Instrument :
MSVOA_V
ClientSampleId :
C0AJ1

Tgt Ion:173 Resp: 25791
Ion Ratio Lower Upper
173 100
175 49.0 40.7 61.1
254 8.0 6.5 9.7



#61
1,2,3-Trichloropropane
Concen: 1.358 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026765.D
Acq: 13 Jul 2022 20:28

Tgt Ion: 75 Resp: 11918
Ion Ratio Lower Upper
75 100
77 35.3 25.4 38.0
110 3.0 31.8 47.6#

