

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070622\
 Data File : VW026666.D
 Acq On : 06 Jul 2022 15:19
 Operator : SY/MD
 Sample : N3598-06DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5DL

Quant Time: Jul 07 01:18:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 07 01:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	181348	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	177840	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71352	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	65824	4.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.580	69	55244	4.715	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.117	63	89331	3.447	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	3.915	46	74679	51.504	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.000%
24) Chloroform-d	4.358	84	111014	4.656	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.040	65	43359	4.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.056	84	209596	4.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.075	67	63953	4.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.316	98	161815	3.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	7.628	79	14091	3.881	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.091	63	53908	38.979	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40585	4.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	52273	4.427	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	1533	0.102	ug/L #	65
5) Vinyl chloride	1.323	62	4779	0.297	ug/L #	1
6) Bromomethane	1.535	94	495	0.057	ug/L	71
8) Chloroethane	1.320	64	4733	0.433	ug/L	95
16) Methylene chloride	2.519	84	18506	1.423	ug/L	96
17) Methyl tert-butyl Ether	2.789	73	994	0.050	ug/L #	77
18) trans-1,2-Dichloroethene	2.783	96	682	0.055	ug/L #	66
22) cis-1,2-Dichloroethene	3.928	96	13645	1.100	ug/L	98
25) Chloroform	4.384	83	6191	0.258	ug/L	100
27) 1,2-Dichloroethane	5.059	62	1023	0.096	ug/L #	72
34) Trichloroethene	5.924	95	12740	0.933	ug/L	93
35) Methylcyclohexane	6.075	83	15376	0.761	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	6943	0.555	ug/L #	86
38) Bromodichloromethane	6.519	83	1794	0.121	ug/L #	95
39) cis-1,3-Dichloropropene	6.992	75	1012	0.080	ug/L	83
42) Toluene	7.397	91	18267	0.341	ug/L	90
47) Tetrachloroethene	7.976	164	49225	4.529	ug/L	98
49) Dibromochloromethane	8.249	129	2193	0.274	ug/L	80
59) Bromoform	9.734	173	722	0.275	ug/L #	95

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Instrument :
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Quant Time: Jul 07 01:18:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 07 01:16:16 2022
Response via : Initial Calibration

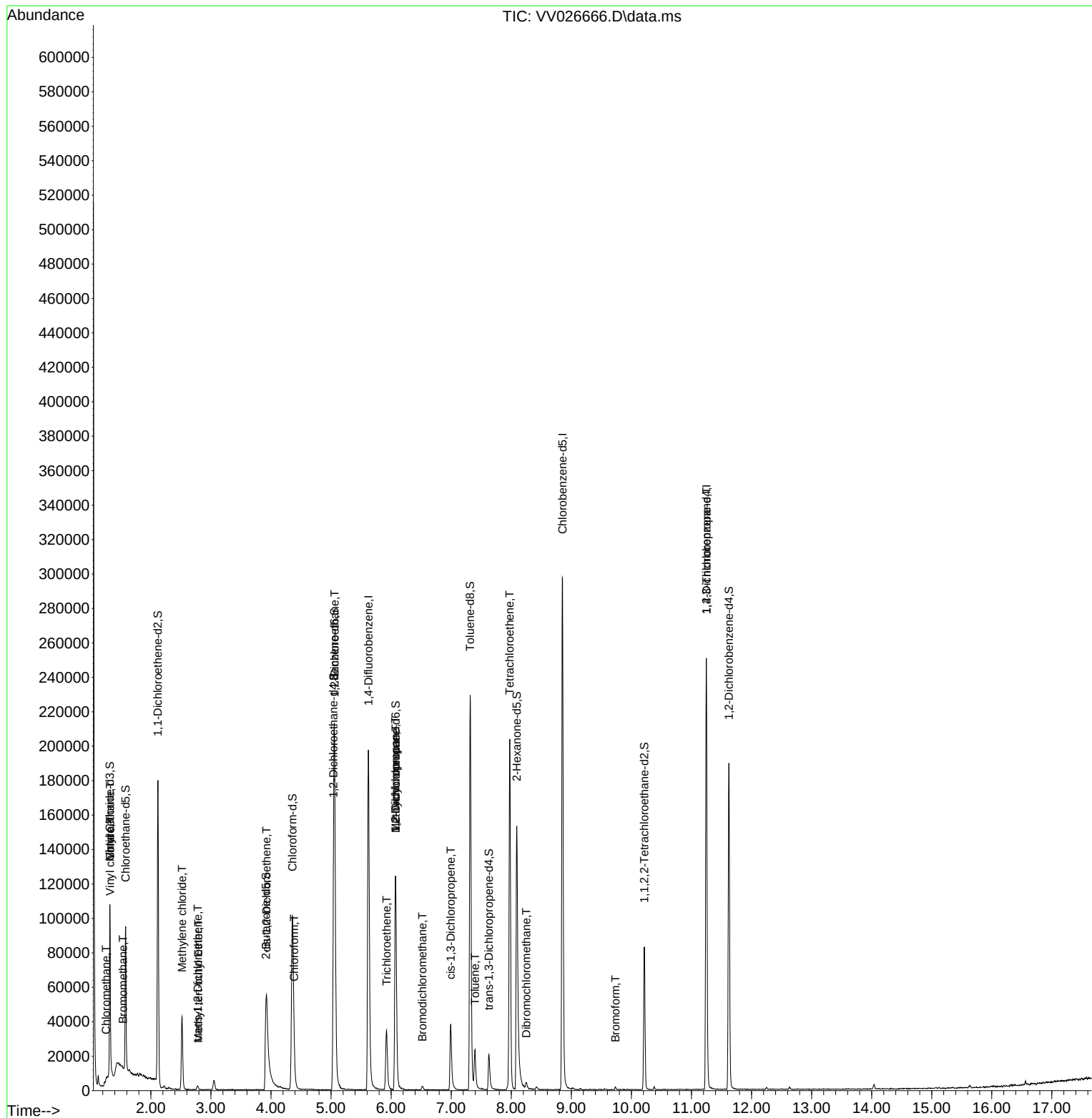
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	7713	1.669	ug/L #	65

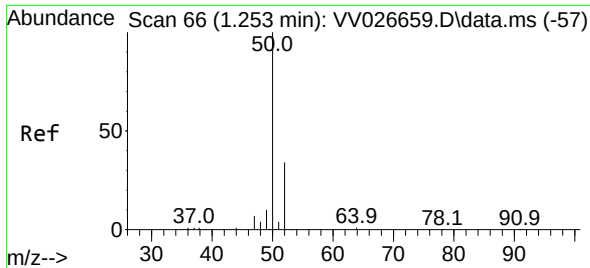
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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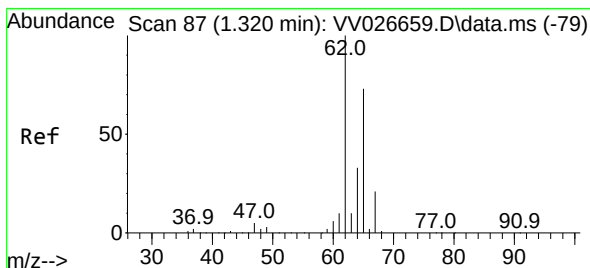
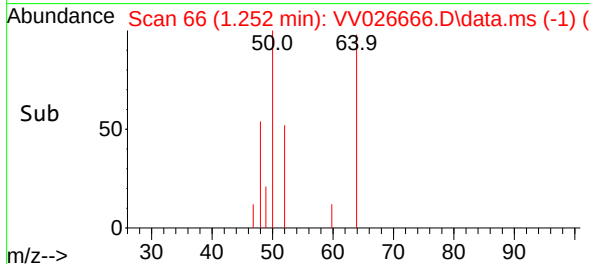
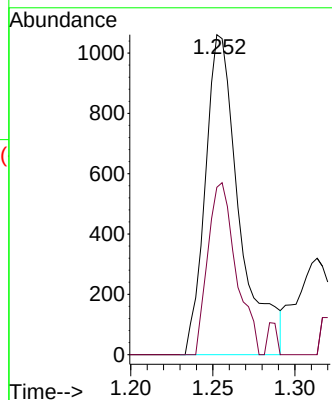
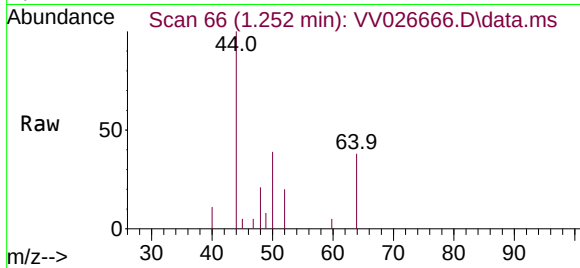




#3
Chloromethane
Concen: 0.102 ug/L
RT: 1.252 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

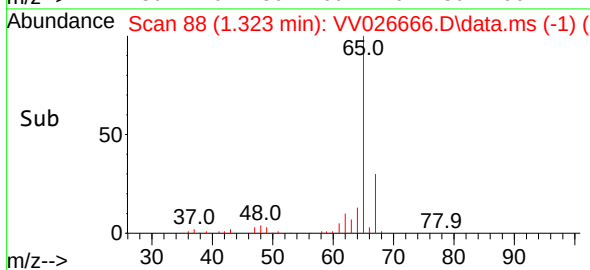
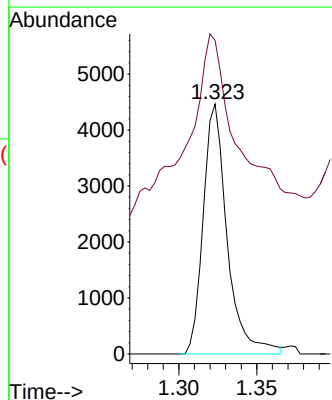
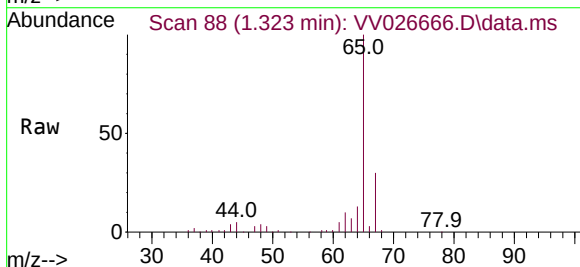
Instrument :
MSVOA_V
ClientSampleId :
C0AN5DL

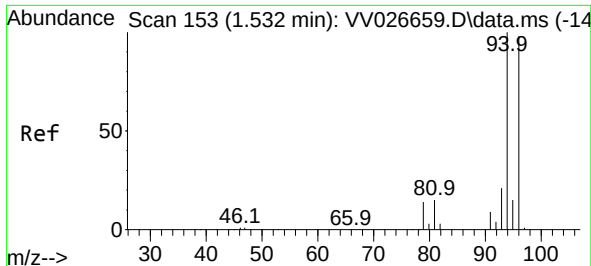
Tgt Ion: 50 Resp: 1533
Ion Ratio Lower Upper
50 100
52 52.3 23.0 42.6#



#5
Vinyl chloride
Concen: 0.297 ug/L
RT: 1.323 min Scan# 88
Delta R.T. 0.003 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Tgt Ion: 62 Resp: 4779
Ion Ratio Lower Upper
62 100
64 125.5 26.2 48.6#

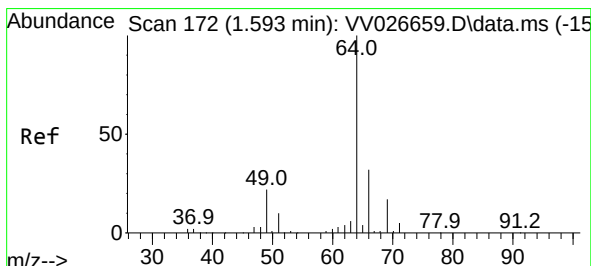
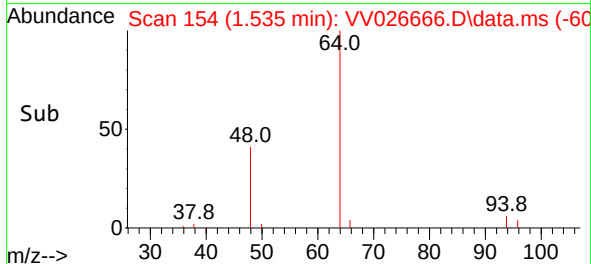
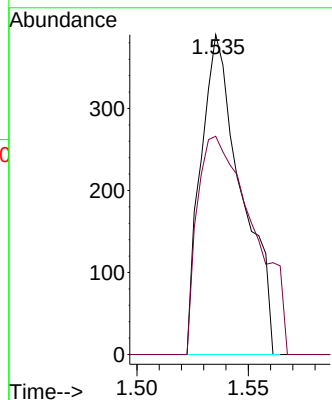
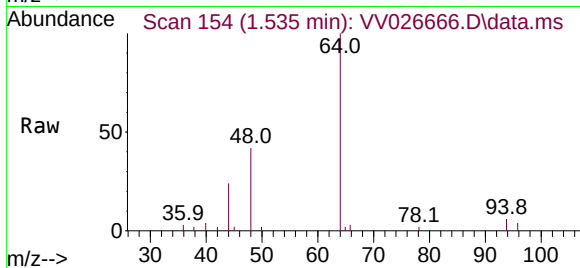




#6
Bromomethane
Concen: 0.057 ug/L
RT: 1.535 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

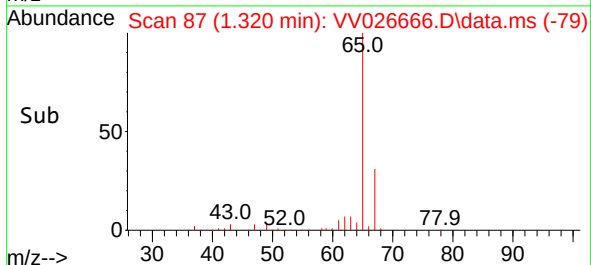
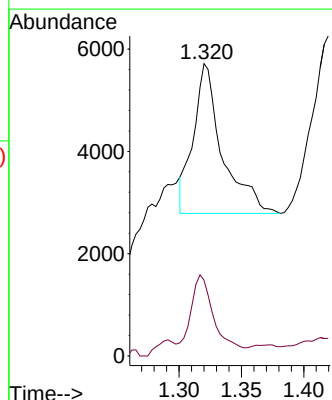
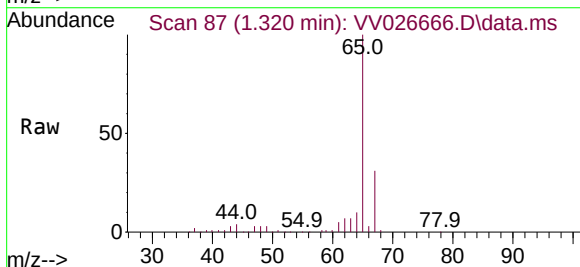
Instrument :
MSVOA_V
ClientSampleId :
C0AN5DL

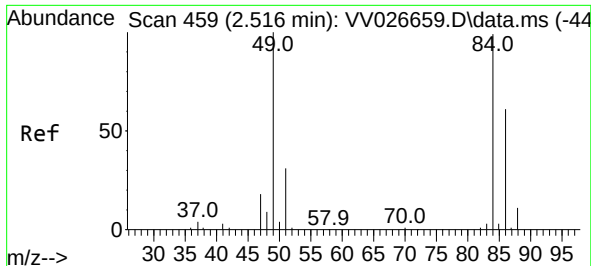
Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 68.2 68.0 126.2



#8
Chloroethane
Concen: 0.433 ug/L
RT: 1.320 min Scan# 87
Delta R.T. -0.273 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Tgt Ion: 64 Resp: 4733
Ion Ratio Lower Upper
64 100
66 25.9 20.0 37.2

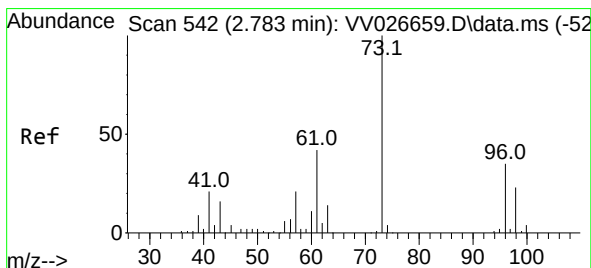
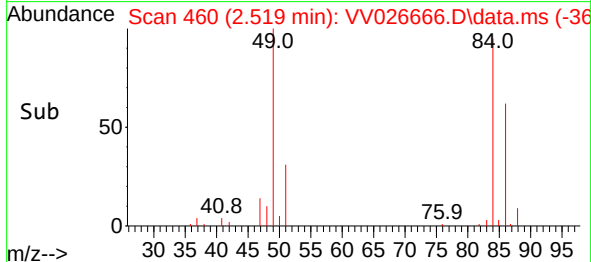
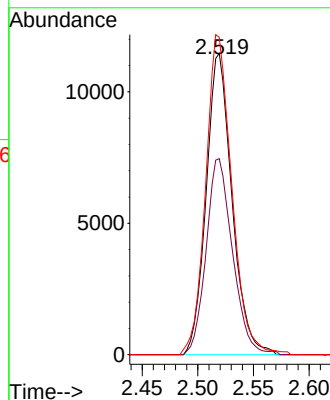
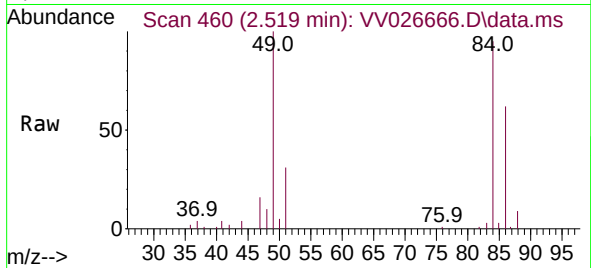




#16
Methylene chloride
Concen: 1.423 ug/L
RT: 2.519 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

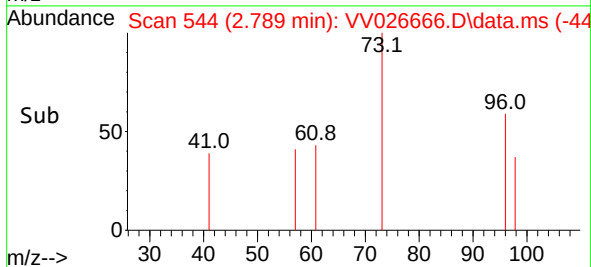
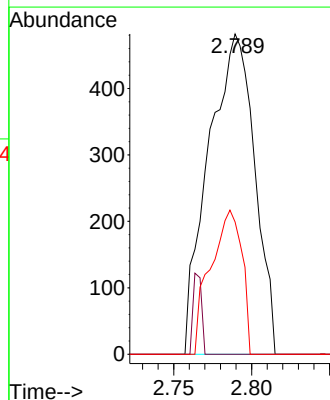
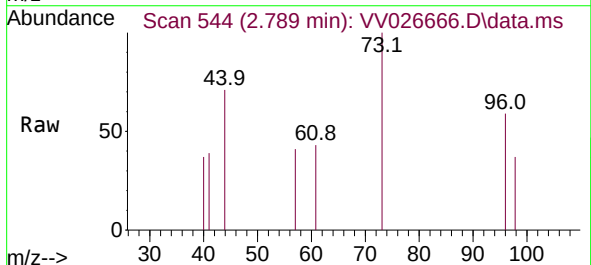
Instrument :
MSVOA_V
ClientSampleId :
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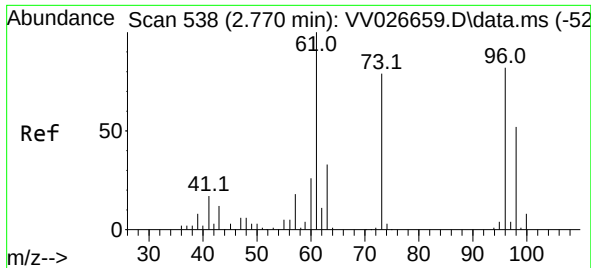
Tgt Ion: 84 Resp: 18506
Ion Ratio Lower Upper
84 100
86 65.1 46.0 85.4
49 105.4 77.7 144.3



#17
Methyl tert-butyl Ether
Concen: 0.050 ug/L
RT: 2.789 min Scan# 544
Delta R.T. 0.006 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Tgt Ion: 73 Resp: 994
Ion Ratio Lower Upper
73 100
43 4.6 13.3 19.9#
57 30.6 17.2 25.8#

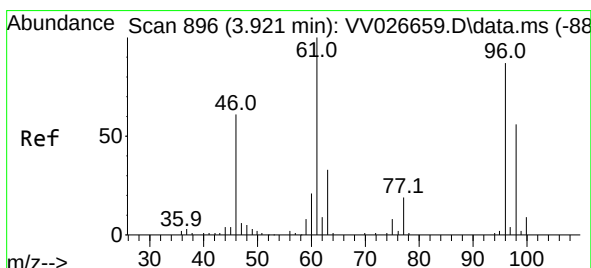
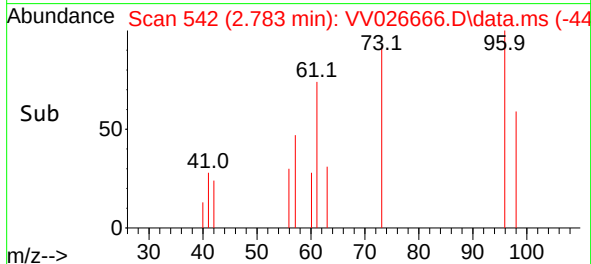
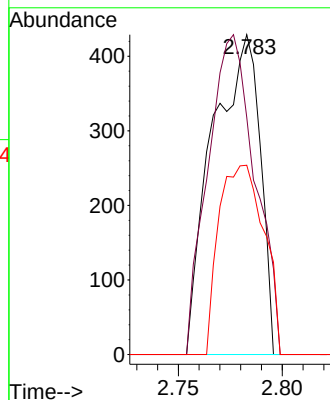
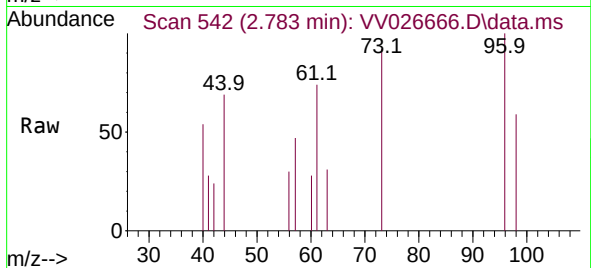




#18
trans-1,2-Dichloroethene
Concen: 0.055 ug/L
RT: 2.783 min Scan# 541
Delta R.T. 0.013 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

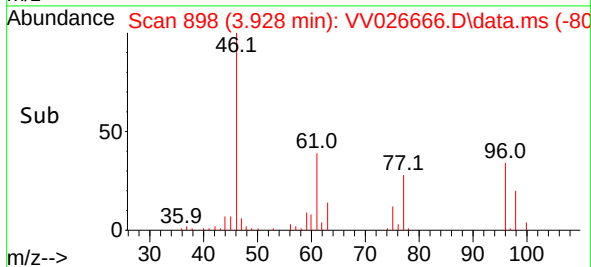
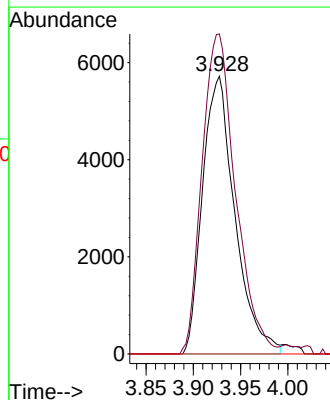
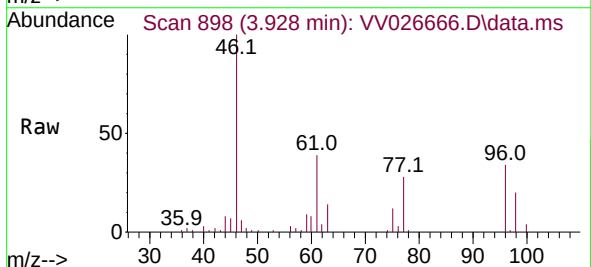
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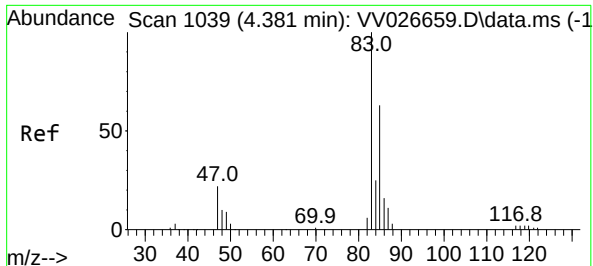
Tgt Ion: 96 Resp: 682
Ion Ratio Lower Upper
96 100
61 74.1 90.4 167.8#
98 59.2 45.6 84.8



#22
cis-1,2-Dichloroethene
Concen: 1.100 ug/L
RT: 3.928 min Scan# 898
Delta R.T. 0.006 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Tgt Ion: 96 Resp: 13645
Ion Ratio Lower Upper
96 100
61 115.2 82.0 152.2
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.258 ug/L

RT: 4.384 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VV026666.D

Acq: 06 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

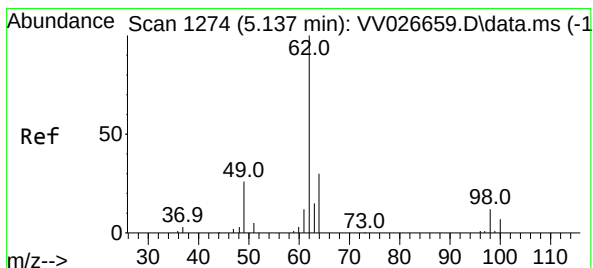
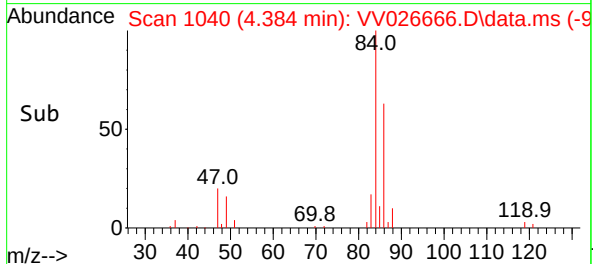
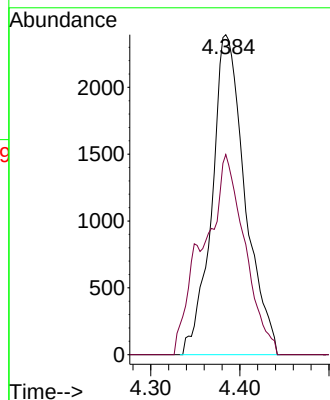
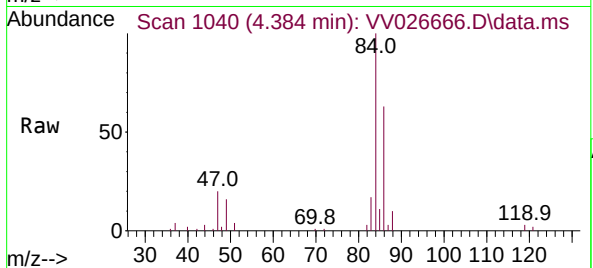
C0AN5DL

Tgt Ion: 83 Resp: 6191

Ion Ratio Lower Upper

83 100

85 62.6 44.0 81.8



#27

1,2-Dichloroethane

Concen: 0.096 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. -0.077 min

Lab File: VV026666.D

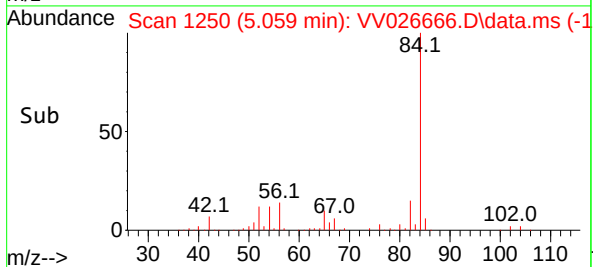
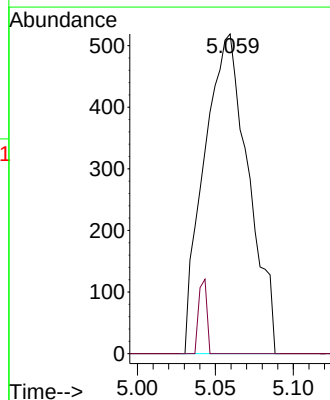
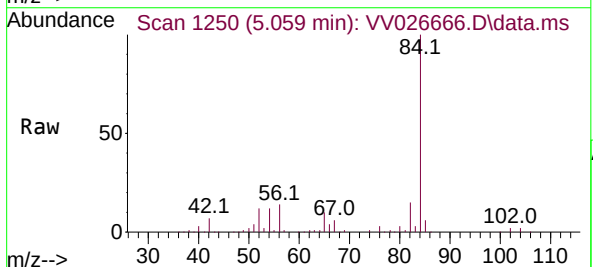
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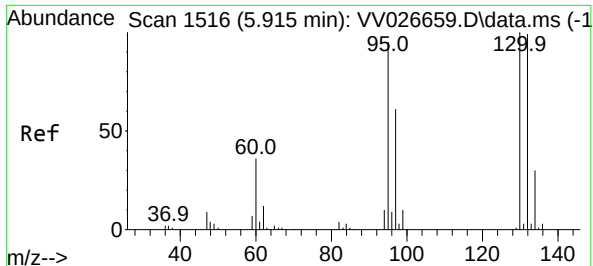
Tgt Ion: 62 Resp: 1023

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



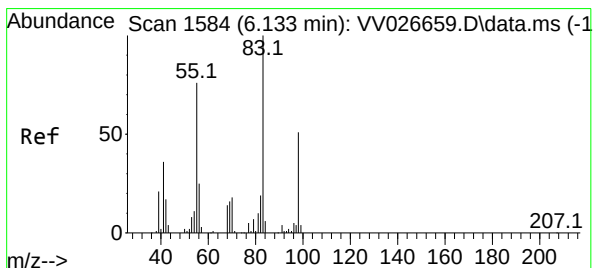
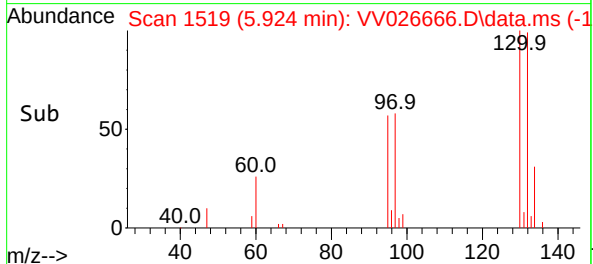
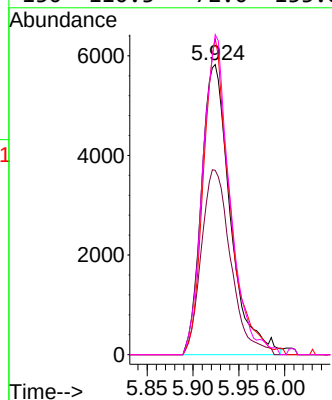
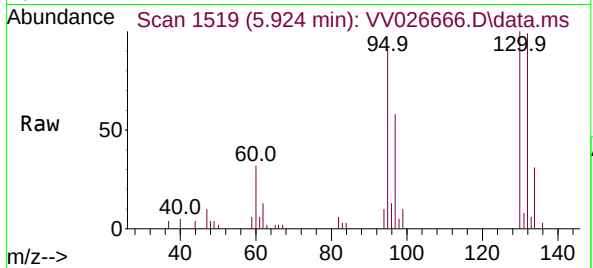


#34
Trichloroethene
Concen: 0.933 ug/L
RT: 5.924 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Instrument :
MSVOA_V
ClientSampleId :
C0AN5DL

Tgt Ion: 95 Resp: 12740

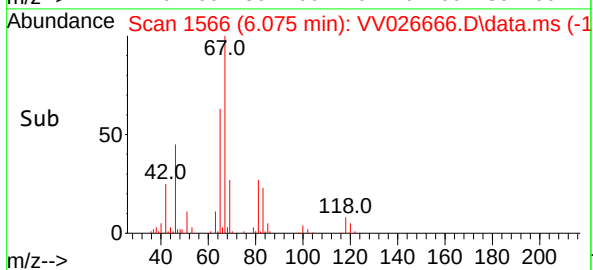
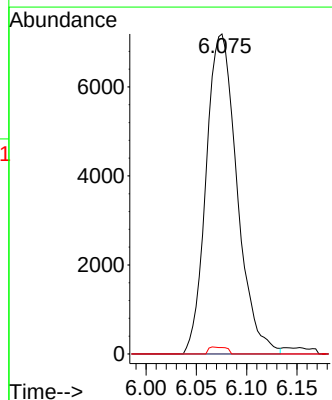
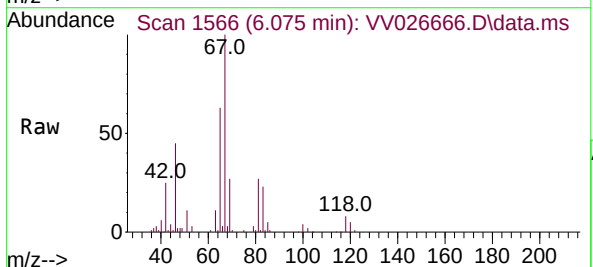
Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.8	87.0
132	108.9	69.9	129.7
130	110.3	72.0	133.8

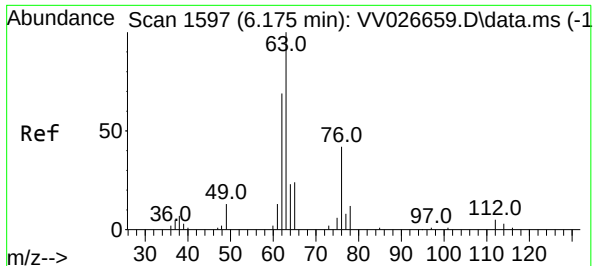


#35
Methylcyclohexane
Concen: 0.761 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.058 min
Lab File: VV026666.D
Acq: 06 Jul 2022 15:19

Tgt Ion: 83 Resp: 15376

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.0	85.4#
98	1.2	39.8	59.8#

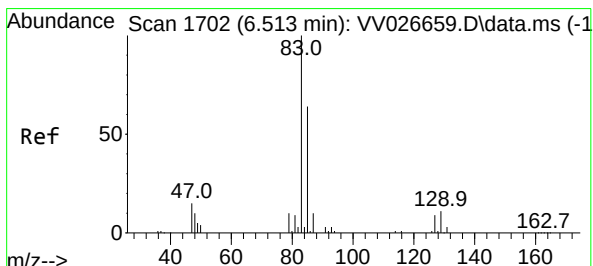
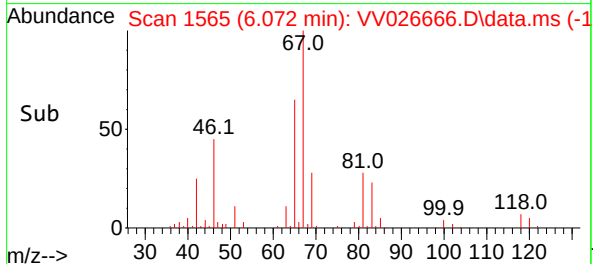
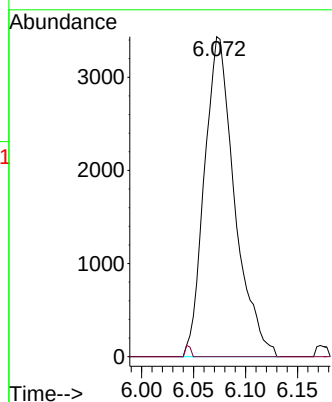
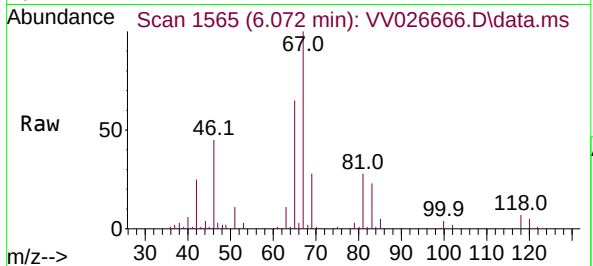




#37
 1,2-Dichloropropane
 Concen: 0.555 ug/L
 RT: 6.072 min Scan# 11
 Delta R.T. -0.103 min
 Lab File: VV026666.D
 Acq: 06 Jul 2022 15:19

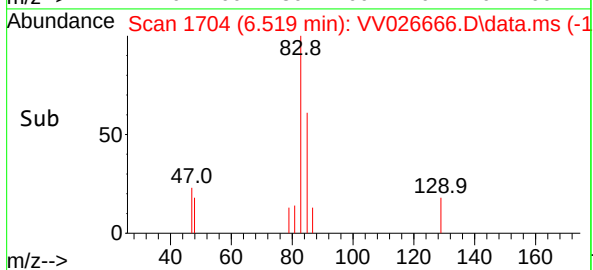
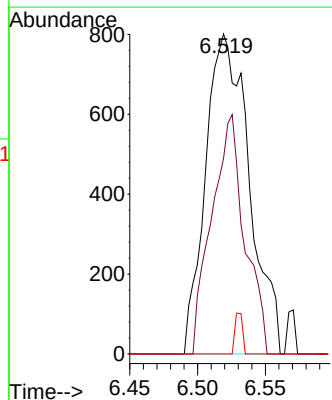
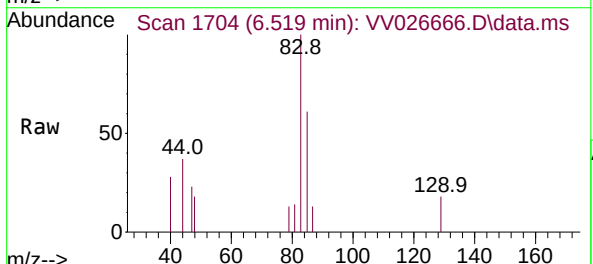
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5DL

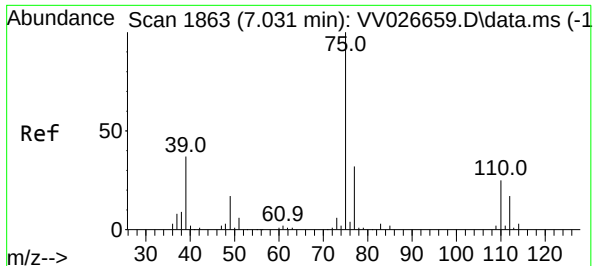
Tgt Ion: 63 Resp: 6943
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.2 6.4#



#38
 Bromodichloromethane
 Concen: 0.121 ug/L
 RT: 6.519 min Scan# 1704
 Delta R.T. 0.006 min
 Lab File: VV026666.D
 Acq: 06 Jul 2022 15:19

Tgt Ion: 83 Resp: 1794
 Ion Ratio Lower Upper
 83 100
 85 61.2 44.0 81.8
 127 0.0 6.6 10.0#





#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026666.D

Acq: 06 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

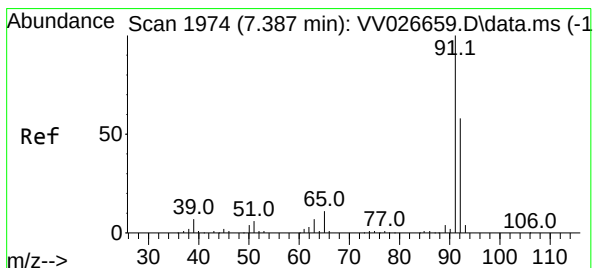
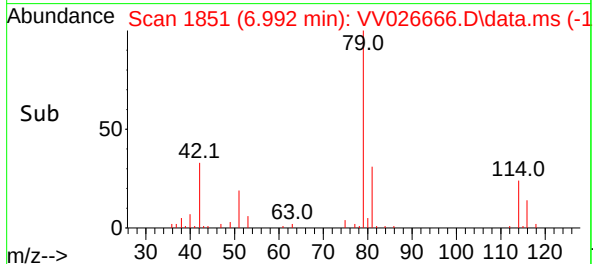
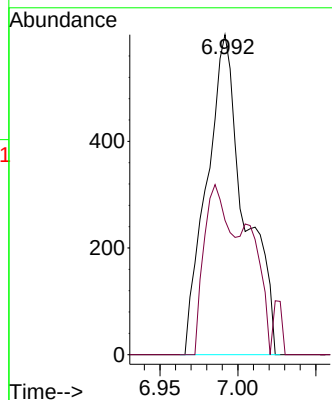
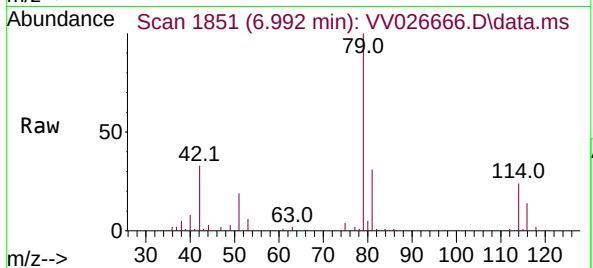
C0AN5DL

Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

75 100

77 42.0 22.8 42.4



#42

Toluene

Concen: 0.341 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.009 min

Lab File: VV026666.D

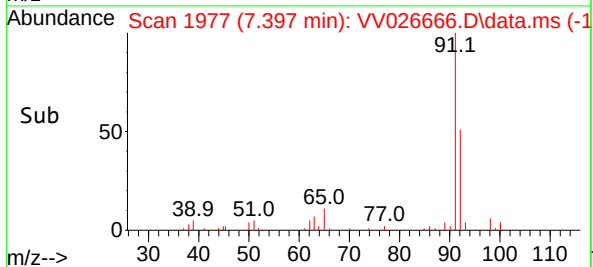
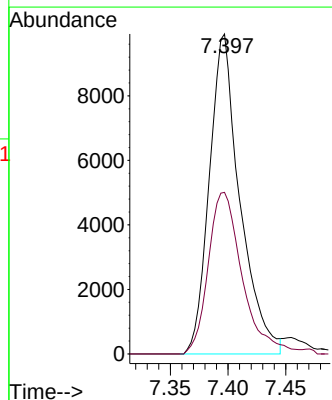
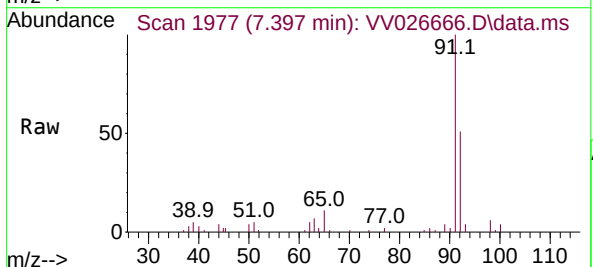
Acq: 06 Jul 2022 15:19

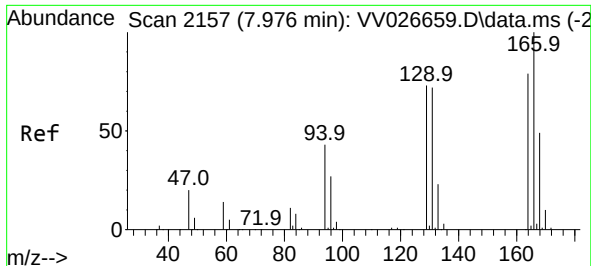
Tgt Ion: 91 Resp: 18267

Ion Ratio Lower Upper

91 100

92 50.5 40.3 74.9





#47

Tetrachloroethene

Concen: 4.529 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV026666.D

Acq: 06 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

C0AN5DL

Tgt Ion:164 Resp: 49225

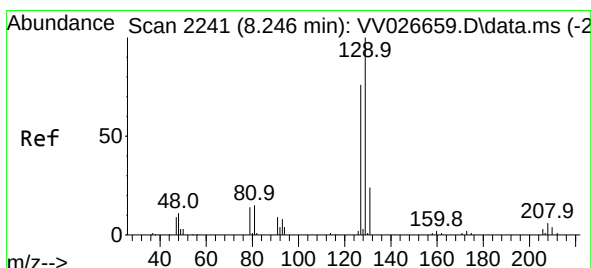
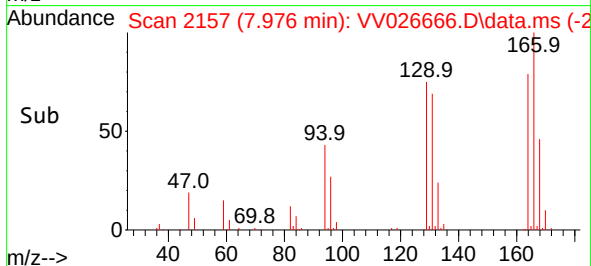
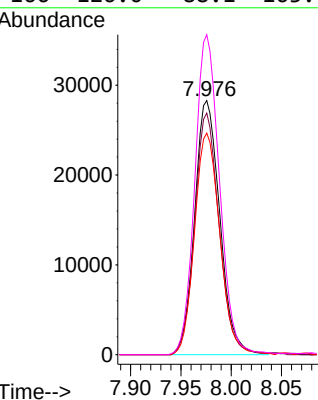
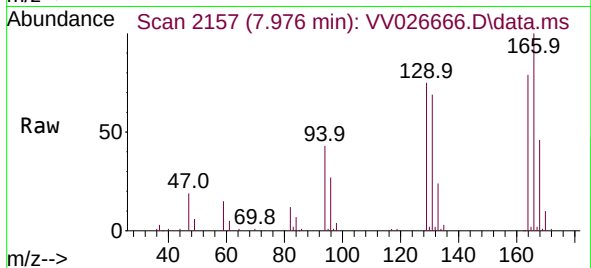
Ion Ratio Lower Upper

164 100

129 95.1 66.4 123.2

131 87.2 64.4 119.6

166 126.0 88.1 163.7



#49

Dibromochloromethane

Concen: 0.274 ug/L

RT: 8.249 min Scan# 2242

Delta R.T. 0.003 min

Lab File: VV026666.D

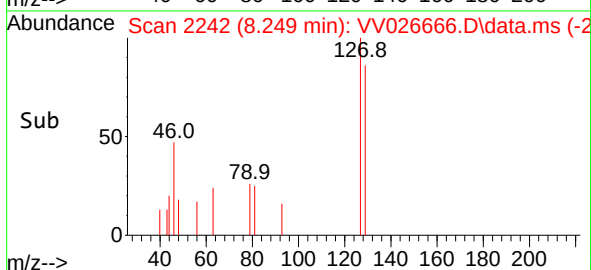
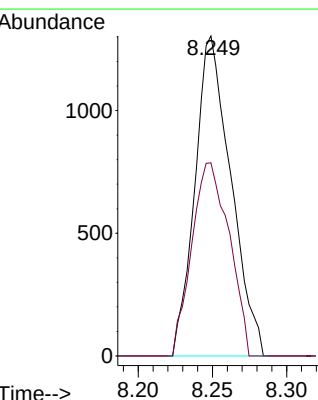
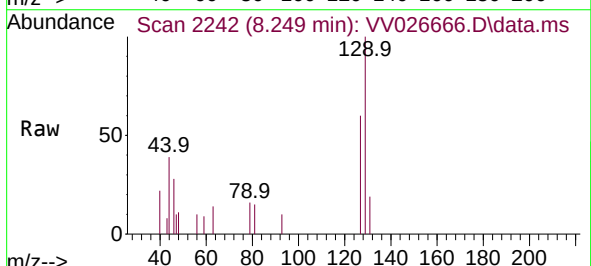
Acq: 06 Jul 2022 15:19

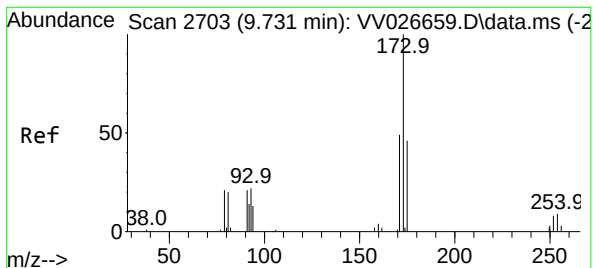
Tgt Ion:129 Resp: 2193

Ion Ratio Lower Upper

129 100

127 60.4 54.2 100.6





#59

Bromoform

Concen: 0.275 ug/L

RT: 9.734 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026666.D

Acq: 06 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

C0AN5DL

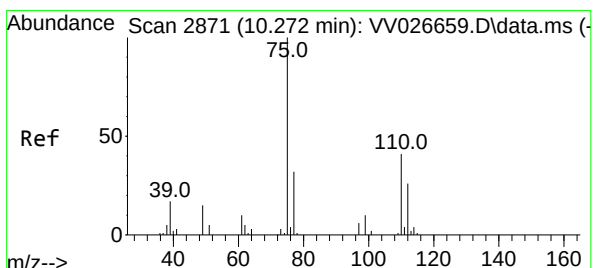
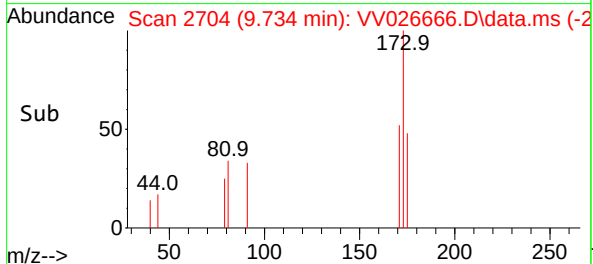
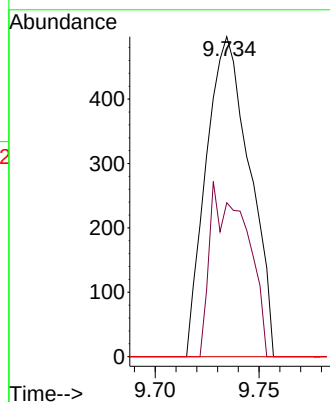
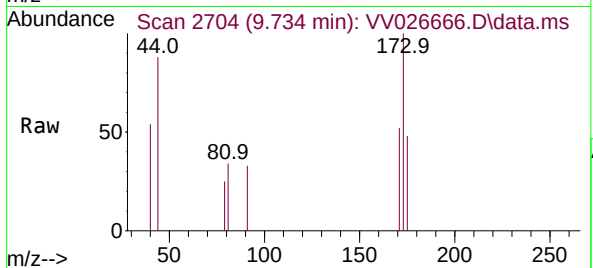
Tgt Ion:173 Resp: 722

Ion Ratio Lower Upper

173 100

175 46.0 37.9 56.9

254 0.0 6.3 9.5#



#61

1,2,3-Trichloropropane

Concen: 1.669 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV026666.D

Acq: 06 Jul 2022 15:19

Tgt Ion: 75 Resp: 7713

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

110 2.2 32.5 48.7#

