

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026731.D
 Acq On : 12 Jul 2022 17:24
 Operator : SY/MD
 Sample : N3601-21
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB6

Quant Time: Jul 13 03:03:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 02:57:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126895	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	131338	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51611	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	78425	6.775	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.400%#
7) Chloroethane-d5	1.561	69	70335	7.032	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	140.600%#
11) 1,1-Dichloroethene-d2	2.101	63	113712	5.117	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.400%
20) 2-Butanone-d5	3.908	46	155680	86.164	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	172.320%#
24) Chloroform-d	4.346	84	146973	7.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	145.200%#
26) 1,2-Dichloroethane-d4	5.034	65	68701	7.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	155.400%#
32) Benzene-d6	5.047	84	271189	6.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	136.000%#
36) 1,2-Dichloropropane-d6	6.069	67	87334	7.299	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	146.000%#
41) Toluene-d8	7.317	98	207375	5.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.000%
43) trans-1,3-Dichloroprop...	7.629	79	18549	4.738	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.092	63	116350	68.643	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.280%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	66061	7.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	141.800%#
66) 1,2-Dichlorobenzene-d4	11.625	152	69964	7.780	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	155.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2863	0.185	ug/L	95
5) Vinyl chloride	1.304	62	674	0.043	ug/L #	1
6) Bromomethane	1.519	94	705	0.075	ug/L	91
8) Chloroethane	1.516	64	55616	5.989	ug/L #	50
12) 1,1-Dichloroethene	2.101	96	1282	0.115	ug/L #	1
14) Carbon disulfide	2.288	76	4400	0.134	ug/L	96
17) Methyl tert-butyl Ether	2.773	73	778	0.041	ug/L #	68
22) cis-1,2-Dichloroethene	3.908	96	840	0.081	ug/L	96
27) 1,2-Dichloroethane	5.043	62	1423	0.135	ug/L #	72
34) Trichloroethene	5.921	95	7834	0.726	ug/L	94
35) Methylcyclohexane	6.069	83	21090	1.280	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	9352	0.891	ug/L #	86
39) cis-1,3-Dichloropropene	6.985	75	1668	0.128	ug/L #	71
44) trans-1,3-Dichloropropene	7.629	75	829	0.077	ug/L	89
47) Tetrachloroethene	7.979	164	3077	0.364	ug/L	90
49) Dibromochloromethane	7.976	129	3079	0.348	ug/L #	10
51) Chlorobenzene	8.889	112	1613	0.058	ug/L	96
61) 1,2,3-Trichloropropane	11.249	75	6880	1.445	ug/L #	65
71) Naphthalene	13.513	128	1117	0.080	ug/L #	75

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 13 02:57:58 2022
Response via : Initial Calibration

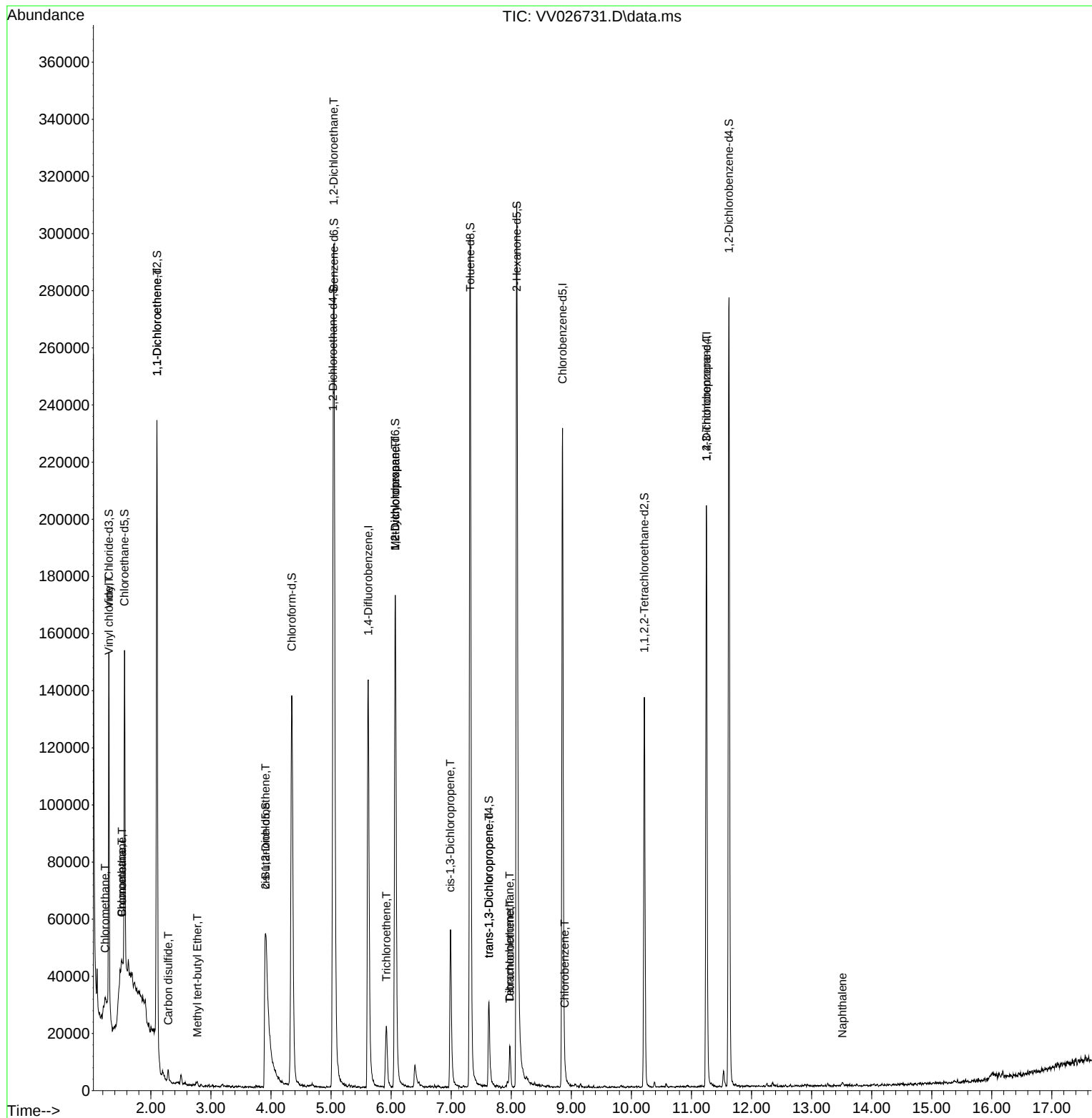
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

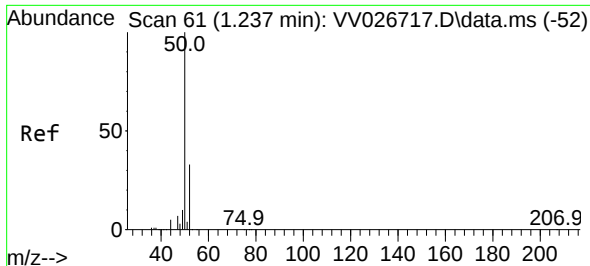
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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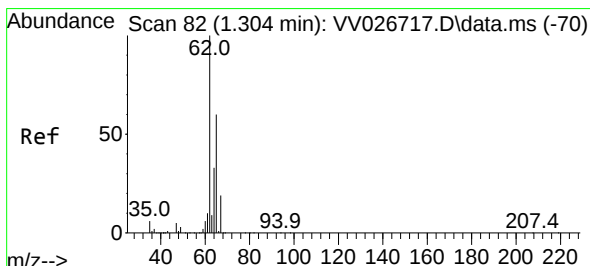
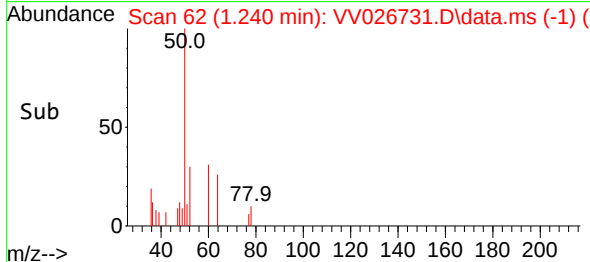
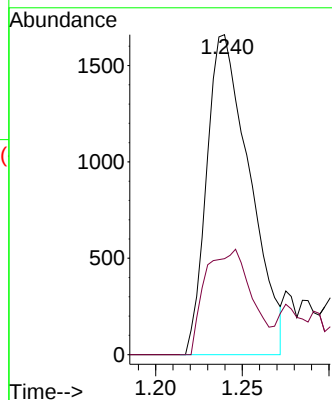
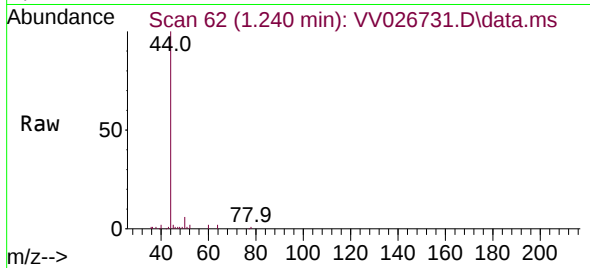




#3
Chloromethane
Concen: 0.185 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

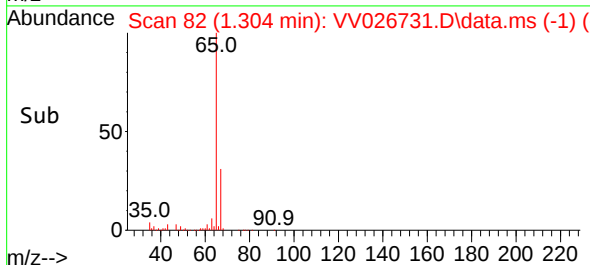
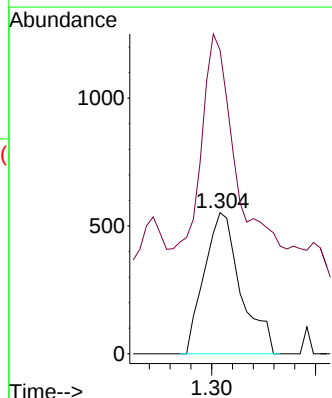
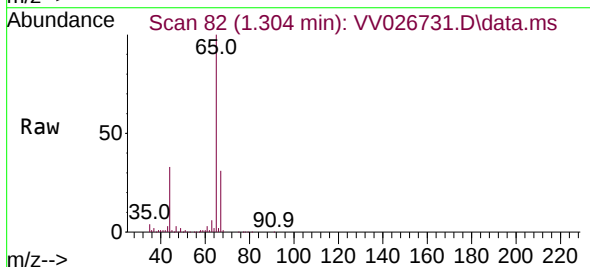
Instrument :
MSVOA_V
ClientSampleId :
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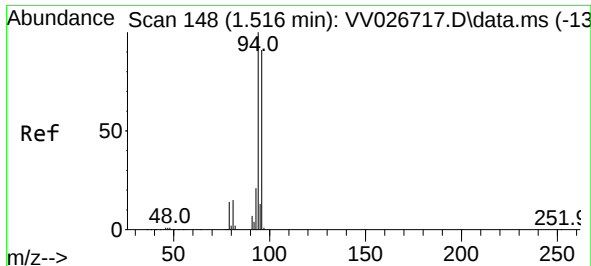
Tgt Ion: 50 Resp: 2863
Ion Ratio Lower Upper
50 100
52 30.0 22.8 42.4



#5
Vinyl chloride
Concen: 0.043 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Tgt Ion: 62 Resp: 674
Ion Ratio Lower Upper
62 100
64 215.2 22.9 42.5#

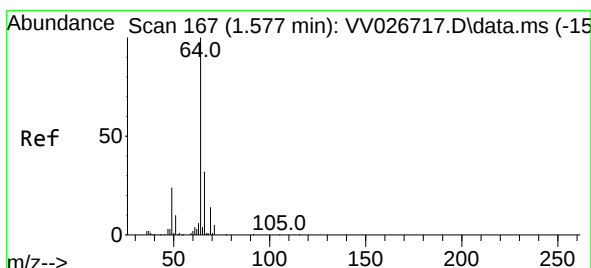
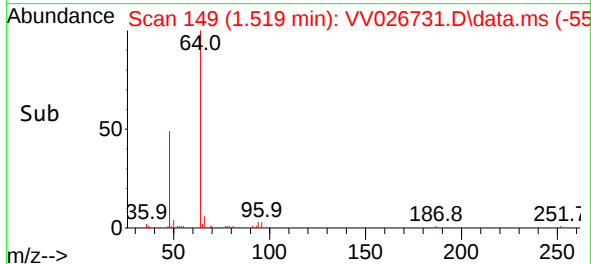
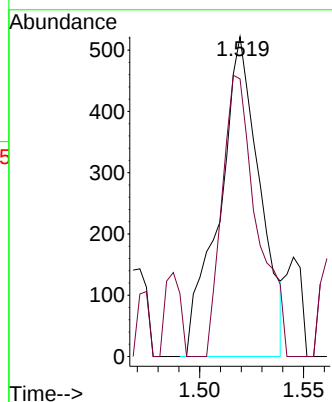
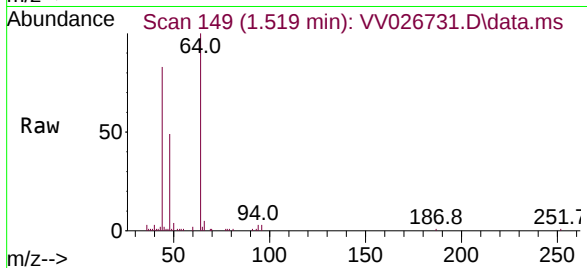




#6
Bromomethane
Concen: 0.075 ug/L
RT: 1.519 min Scan# 148
Delta R.T. 0.003 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

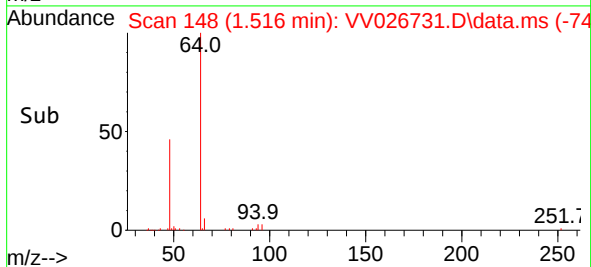
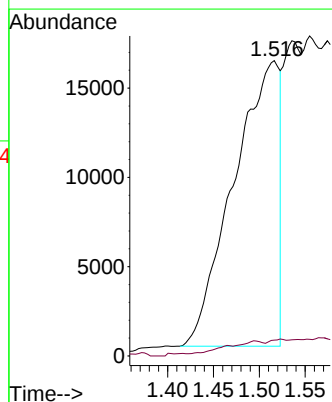
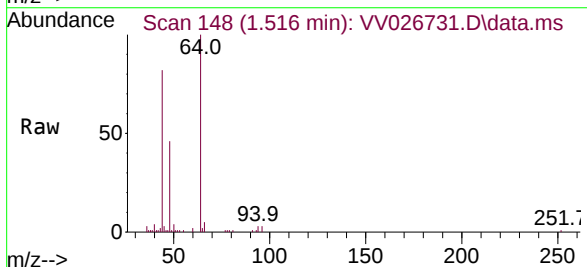
Instrument :
MSVOA_V
ClientSampleId :
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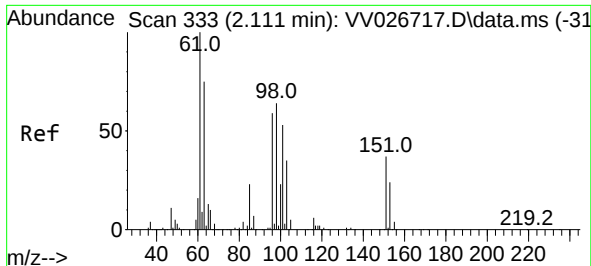
Tgt Ion: 94 Resp: 705
Ion Ratio Lower Upper
94 100
96 86.8 67.1 124.7



#8
Chloroethane
Concen: 5.989 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.061 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Tgt Ion: 64 Resp: 55616
Ion Ratio Lower Upper
64 100
66 5.4 23.9 44.5#

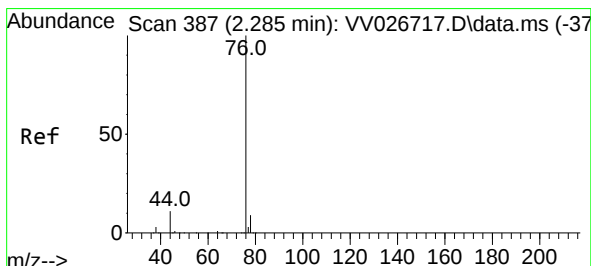
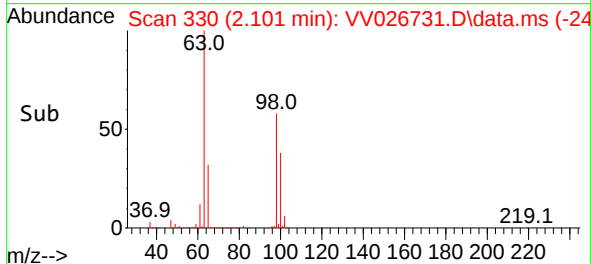
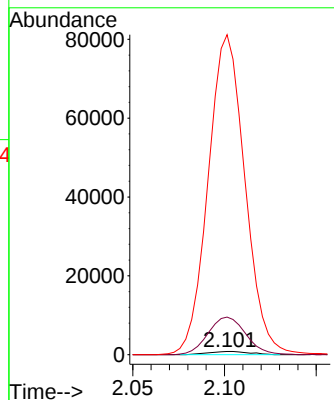
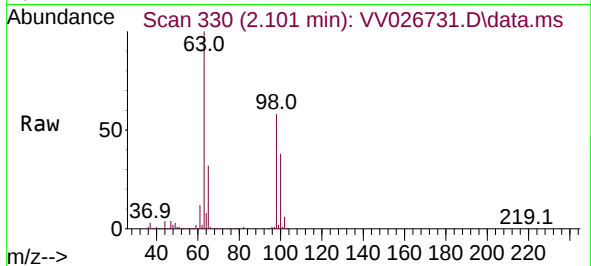




#12
1,1-Dichloroethene
Concen: 0.115 ug/L
RT: 2.101 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

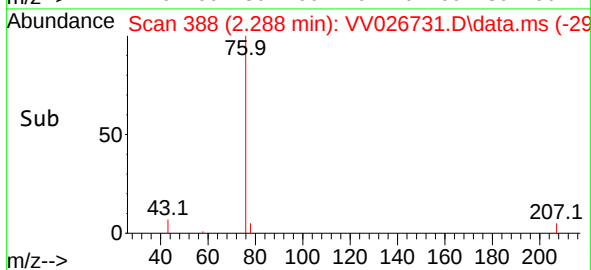
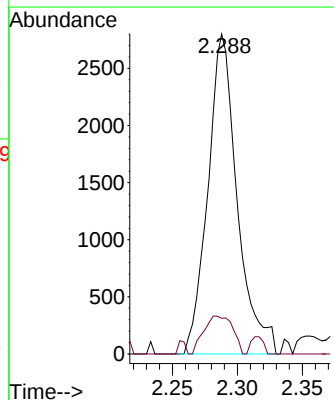
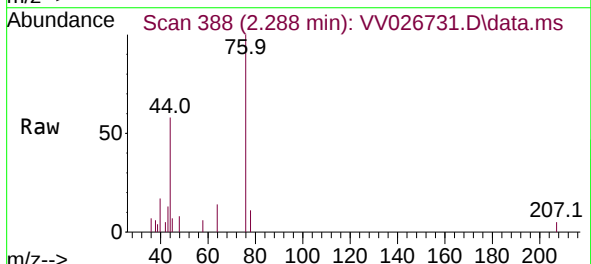
Instrument :
MSVOA_V
ClientSampleId :
DBUB6

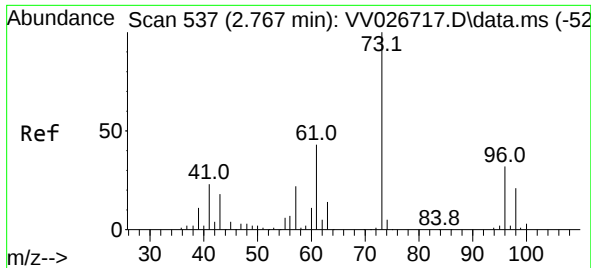
Tgt Ion: 96 Resp: 1282
Ion Ratio Lower Upper
96 100
61 1152.4 118.3 219.7#
63 9792.0 79.9 148.3#



#14
Carbon disulfide
Concen: 0.134 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.003 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

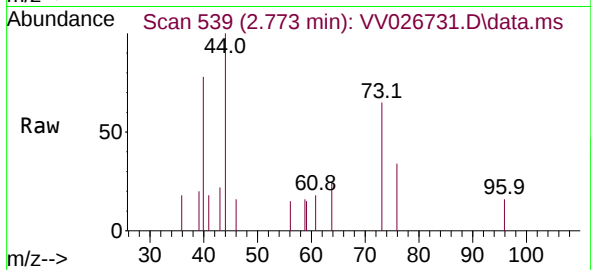
Tgt Ion: 76 Resp: 4400
Ion Ratio Lower Upper
76 100
78 11.2 7.7 11.5



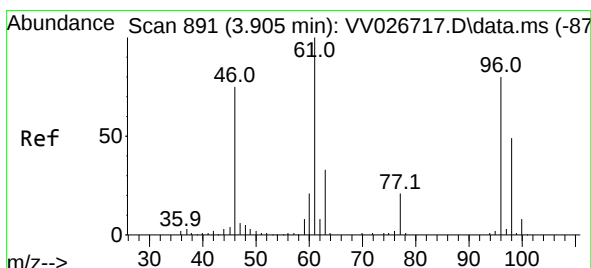
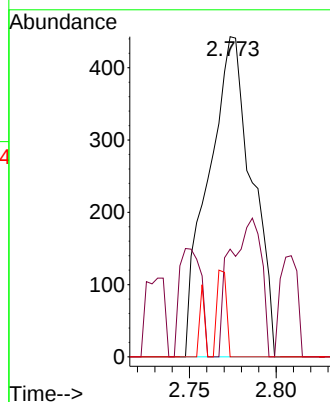
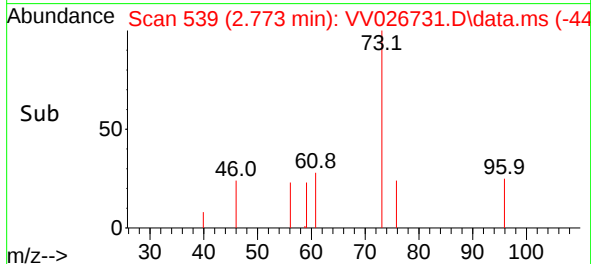


#17
Methyl tert-butyl Ether
Concen: 0.041 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Instrument :
MSVOA_V
ClientSampleId :
DBUB6

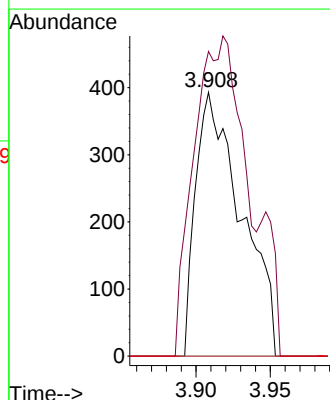
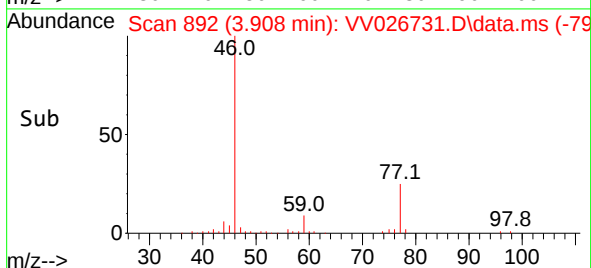
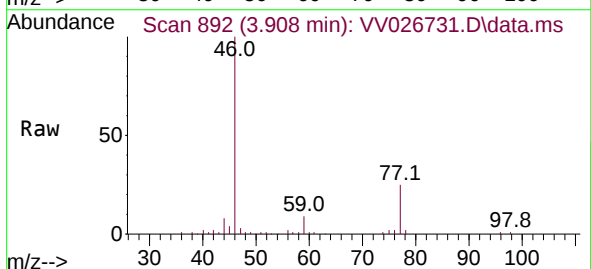


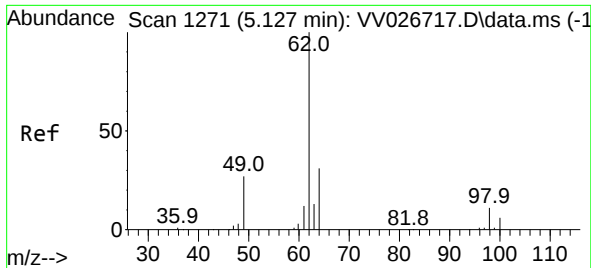
Tgt Ion: 73 Resp: 778
Ion Ratio Lower Upper
73 100
43 30.7 14.0 21.0#
57 5.9 17.6 26.4#



#22
cis-1,2-Dichloroethene
Concen: 0.081 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Tgt Ion: 96 Resp: 840
Ion Ratio Lower Upper
96 100
61 115.5 83.9 155.9
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.135 ug/L

RT: 5.043 min Scan# 1

Delta R.T. -0.084 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

Instrument :

MSVOA_V

ClientSampleId :

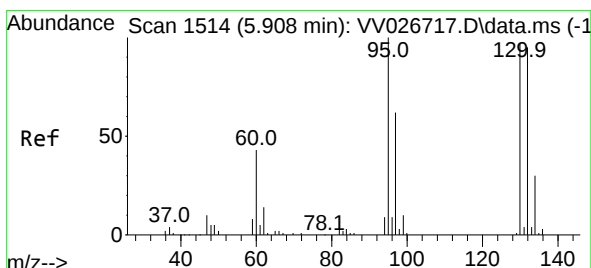
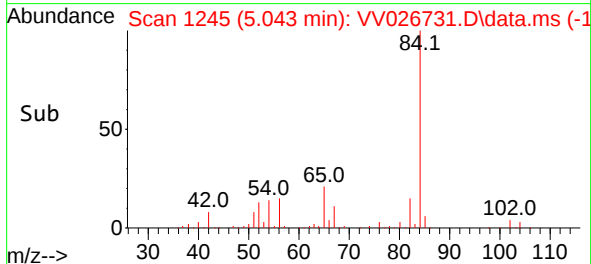
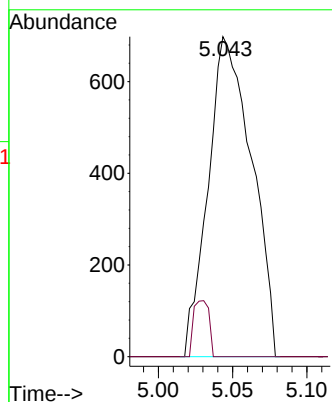
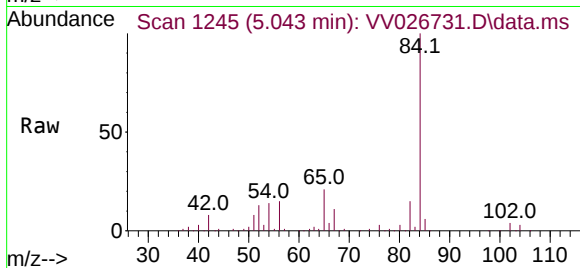
DBUB6

Tgt Ion: 62 Resp: 1423

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#



#34

Trichloroethene

Concen: 0.726 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.013 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

Tgt Ion: 95 Resp: 7834

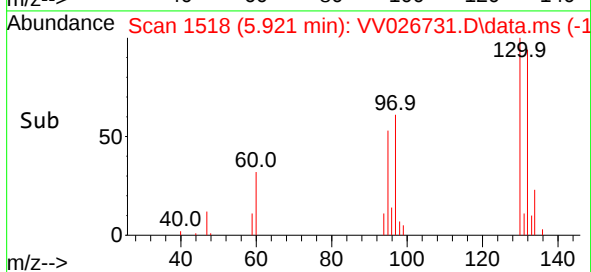
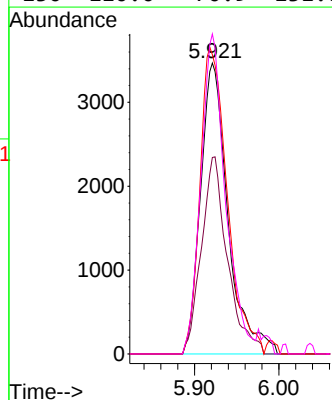
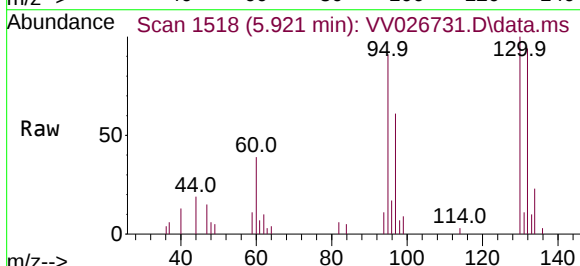
Ion Ratio Lower Upper

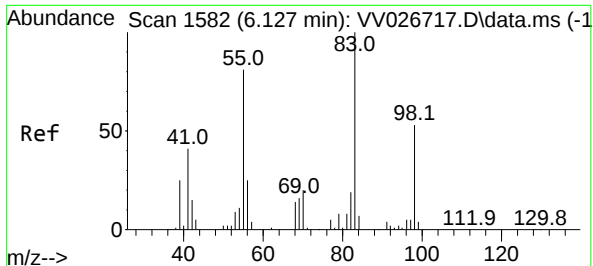
95 100

97 67.6 44.6 82.8

132 102.9 70.2 130.4

130 110.0 70.9 131.7

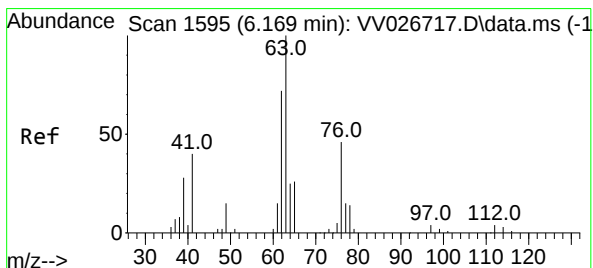
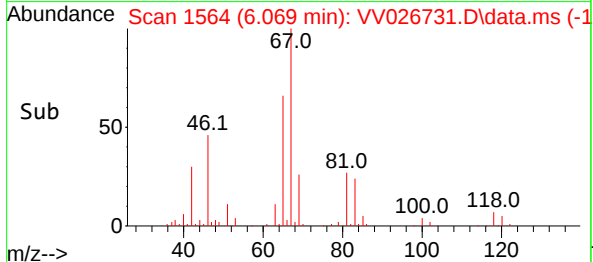
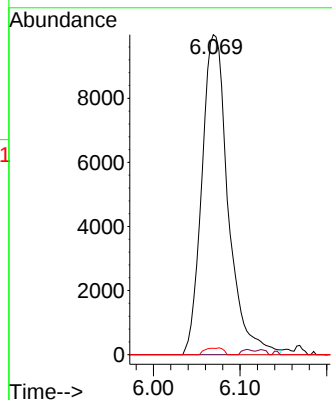
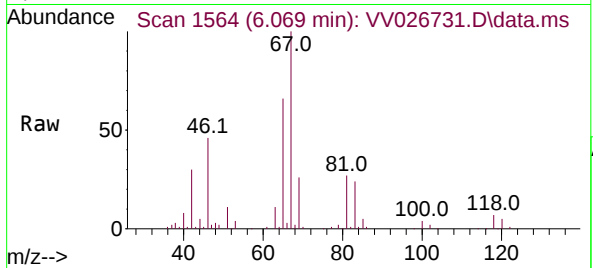




#35
Methylcyclohexane
Concen: 1.280 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

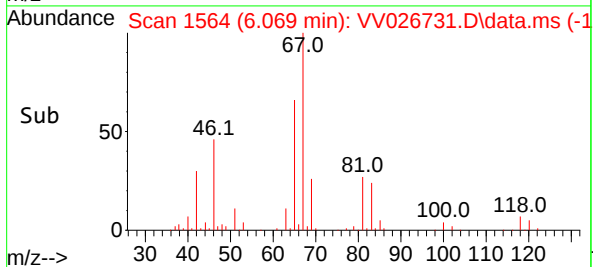
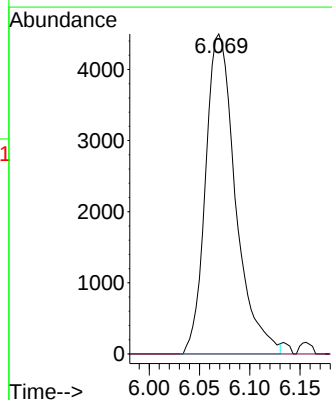
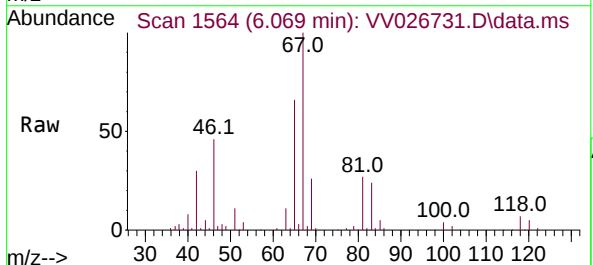
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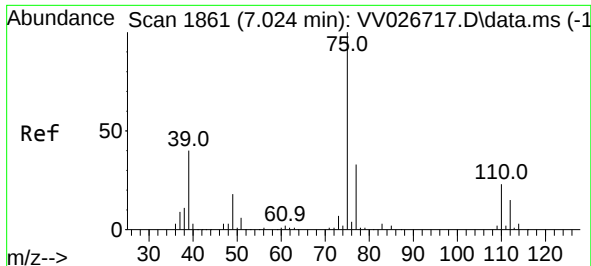
Tgt Ion: 83 Resp: 21090
Ion Ratio Lower Upper
83 100
55 0.7 59.5 89.3#
98 1.4 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.891 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Tgt Ion: 63 Resp: 9352
Ion Ratio Lower Upper
63 100
112 0.4 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.128 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

Instrument :

MSVOA_V

ClientSampleId :

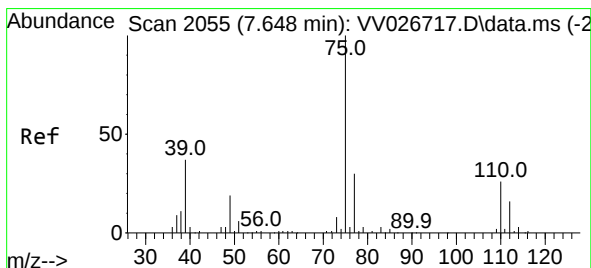
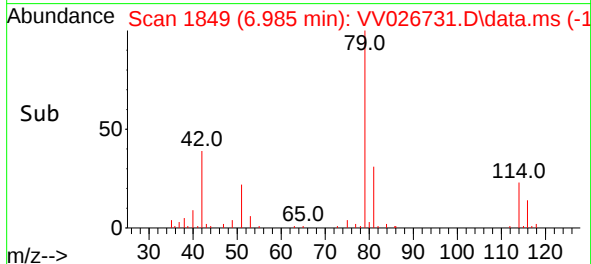
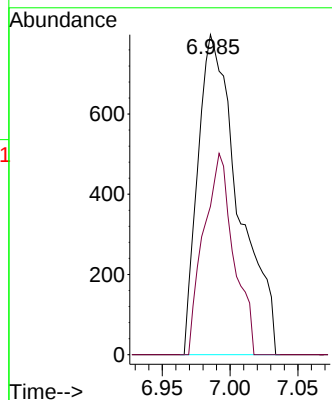
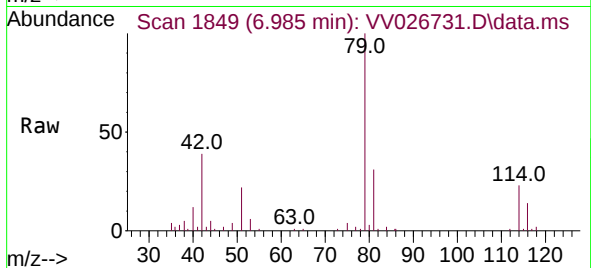
DBUB6

Tgt Ion: 75 Resp: 1668

Ion Ratio Lower Upper

75 100

77 46.4 21.4 39.8#



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.629 min Scan# 2049

Delta R.T. -0.019 min

Lab File: VV026731.D

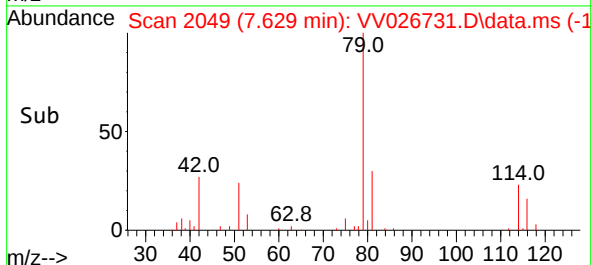
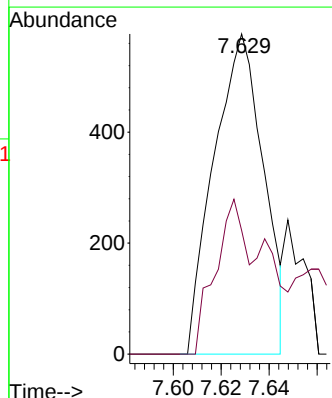
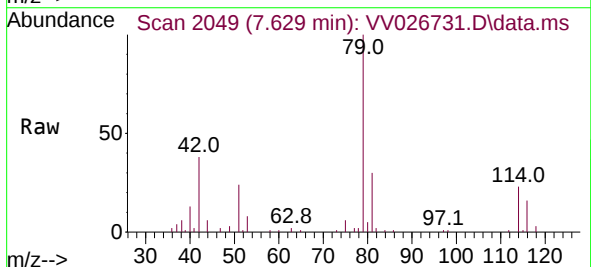
Acq: 12 Jul 2022 17:24

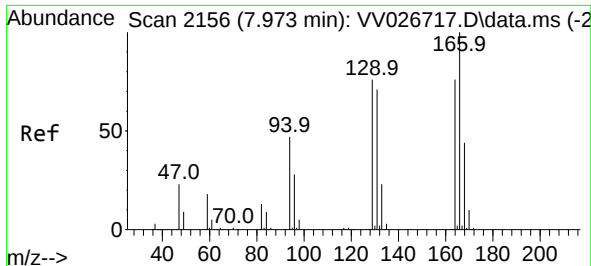
Tgt Ion: 75 Resp: 829

Ion Ratio Lower Upper

75 100

77 38.6 22.7 42.3





#47

Tetrachloroethene

Concen: 0.364 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

Instrument :

MSVOA_V

ClientSampleId :

DBUB6

Tgt Ion:164 Resp: 3077

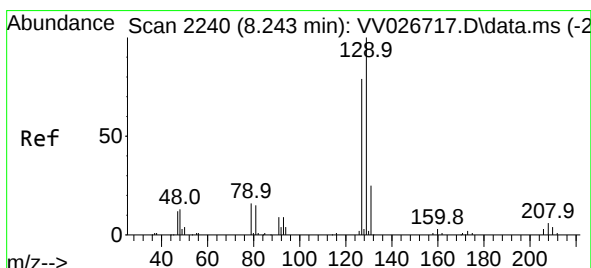
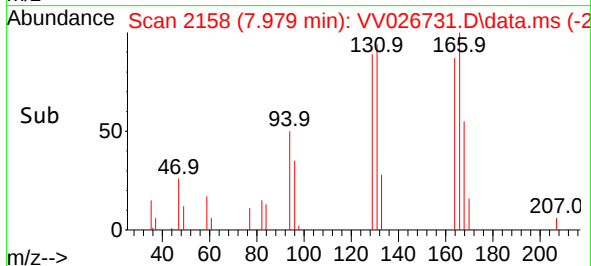
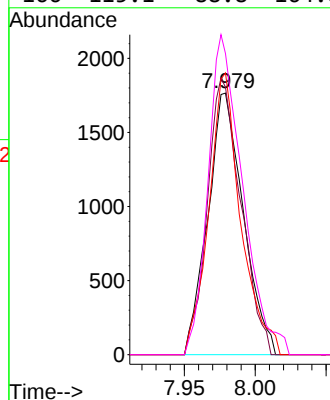
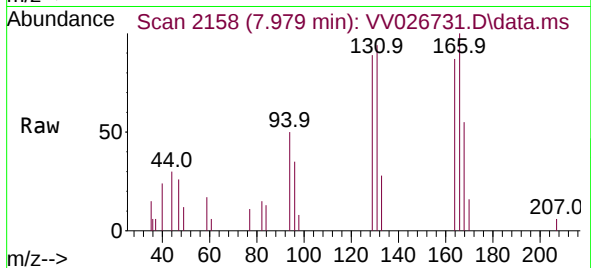
Ion Ratio Lower Upper

164 100

129 102.3 67.8 125.8

131 107.7 65.9 122.5

166 115.1 88.8 164.8



#49

Dibromochloromethane

Concen: 0.348 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV026731.D

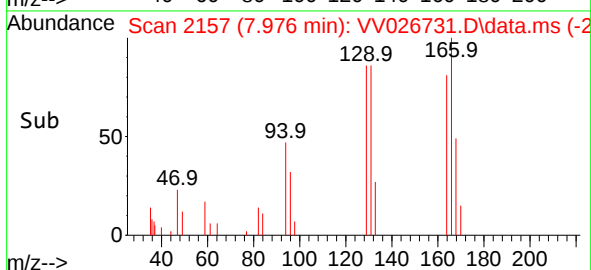
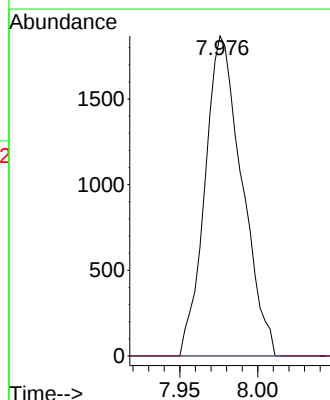
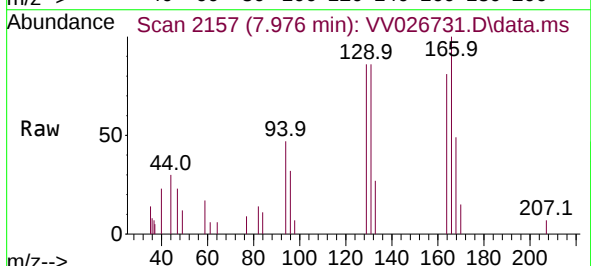
Acq: 12 Jul 2022 17:24

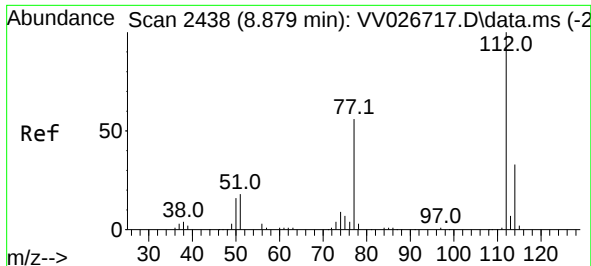
Tgt Ion:129 Resp: 3079

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#





#51

Chlorobenzene

Concen: 0.058 ug/L

RT: 8.889 min Scan# 2438

Delta R.T. 0.010 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

Instrument :

MSVOA_V

ClientSampleId :

DBUB6

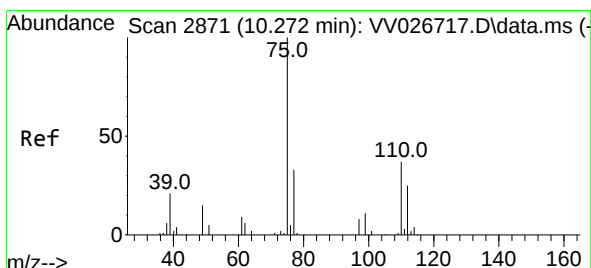
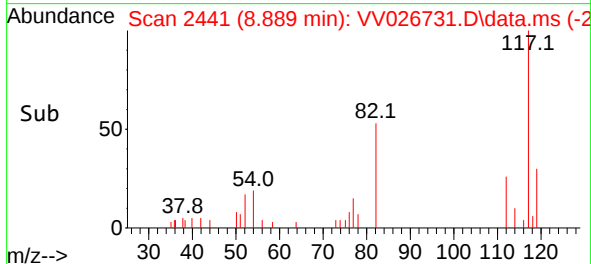
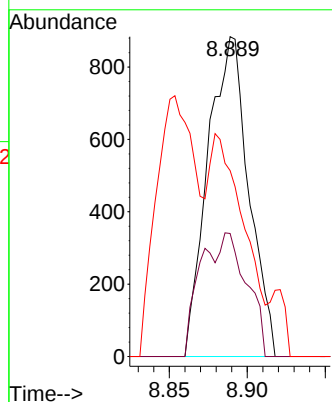
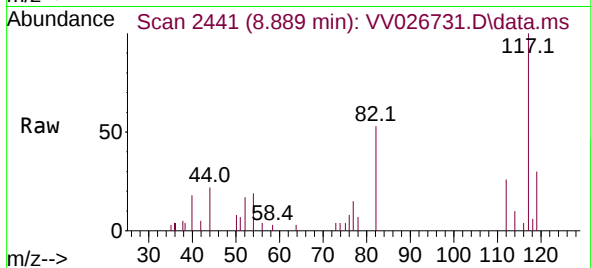
Tgt Ion:112 Resp: 1613

Ion Ratio Lower Upper

112 100

114 38.5 22.7 42.1

77 58.1 46.6 70.0



#61

1,2,3-Trichloropropane

Concen: 1.445 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV026731.D

Acq: 12 Jul 2022 17:24

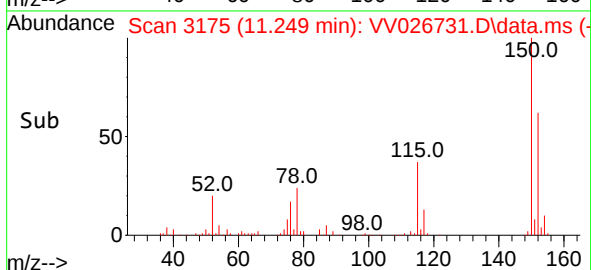
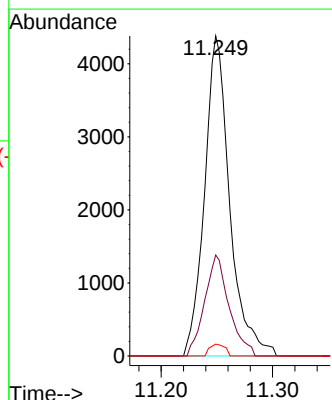
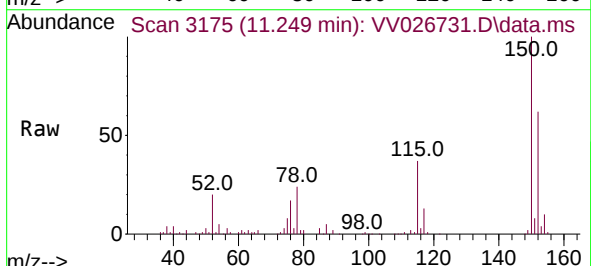
Tgt Ion: 75 Resp: 6880

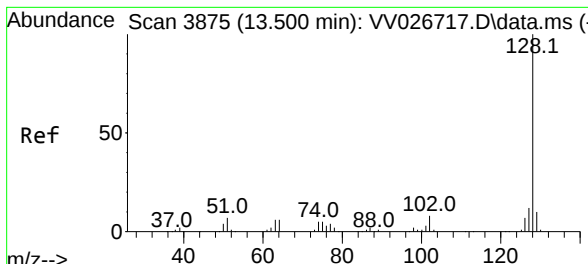
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

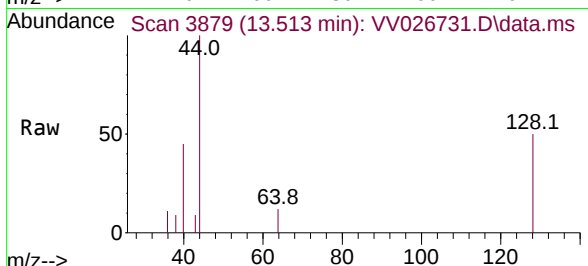
110 2.2 31.8 47.6#





#71
Naphthalene
Concen: 0.080 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV026731.D
Acq: 12 Jul 2022 17:24

Instrument :
MSVOA_V
ClientSampleId :
DBUB6



Tgt Ion:128 Resp: 1117
Ion Ratio Lower Upper
128 100
129 0.0 8.4 12.6#
127 4.1 10.7 16.1#

