

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090122\
 Data File : VV027732.D
 Acq On : 02 Sep 2022 19:02
 Operator : SY/MD
 Sample : N4418-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 05:35:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 03 05:30:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	118847	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	114230	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51116	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	59133	4.580	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	91.600%	
7) Chloroethane-d5	1.568	69	55125	5.103	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.000%	
11) 1,1-Dichloroethene-d2	2.105	63	94533	3.741	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	74.800%	
20) 2-Butanone-d5	3.886	46	76005	34.818	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	69.640%	
24) Chloroform-d	4.346	84	121957	4.705	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.200%	
26) 1,2-Dichloroethane-d4	5.031	65	58102	5.004	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
32) Benzene-d6	5.047	84	222028	4.745	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.000%	
36) 1,2-Dichloropropane-d6	6.066	67	67176	4.641	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.800%	
41) Toluene-d8	7.313	98	175191	4.324	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.400%	
43) trans-1,3-Dichloroprop...	7.625	79	20774	4.659	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.200%	
46) 2-Hexanone-d5	8.088	63	89662	53.476	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	106.960%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41627	4.470	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.400%	
66) 1,2-Dichlorobenzene-d4	11.622	152	61412	5.366	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	1125	0.069	ug/L #	82
3) Chloromethane	1.243	50	755	0.049	ug/L	95
5) Vinyl chloride	1.310	62	48904	3.313	ug/L	95
6) Bromomethane	1.519	94	395	0.057	ug/L	89
8) Chloroethane	1.552	64	769	0.093	ug/L #	57
9) Trichlorofluoromethane	1.751	101	5035	0.254	ug/L	94
12) 1,1-Dichloroethene	2.114	96	2925	0.295	ug/L #	1
14) Carbon disulfide	2.294	76	1814	0.058	ug/L	98
17) Methyl tert-butyl Ether	2.773	73	2172	0.102	ug/L #	89
18) trans-1,2-Dichloroethene	2.761	96	8784	0.781	ug/L	88
22) cis-1,2-Dichloroethene	3.905	96	521715	46.488	ug/L	91
25) Chloroform	4.371	83	4339	0.188	ug/L	98
34) Trichloroethene	5.908	95	417949	38.161	ug/L	98
35) Methylcyclohexane	6.066	83	17784	1.046	ug/L #	16
37) 1,2-Dichloropropane	6.066	63	8281	0.736	ug/L #	89
39) cis-1,3-Dichloropropene	6.985	75	1697	0.124	ug/L #	60
44) trans-1,3-Dichloropropene	7.622	75	927	0.083	ug/L #	46
45) 1,1,2-Trichloroethane	7.969	97	3729	0.514	ug/L #	19
47) Tetrachloroethene	7.973	164	417544	47.020	ug/L	99

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QLast Update : Sat Sep 03 05:30:57 2022
Response via : Initial Calibration

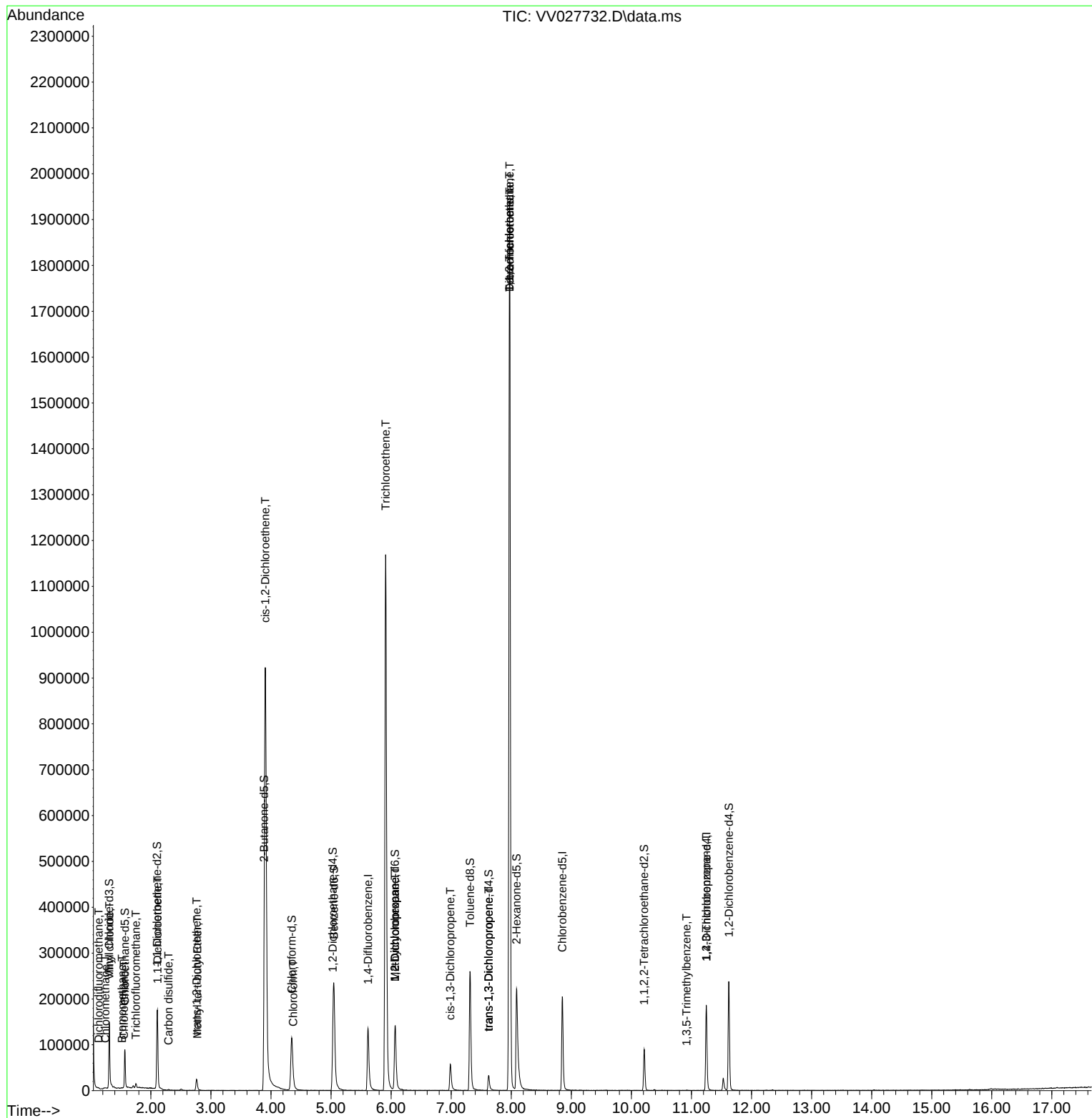
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.973	129	389856	45.342	ug/L #	12
61) 1,2,3-Trichloropropane	11.246	75	5475	1.059	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.918	105	451	0.043	ug/L	90

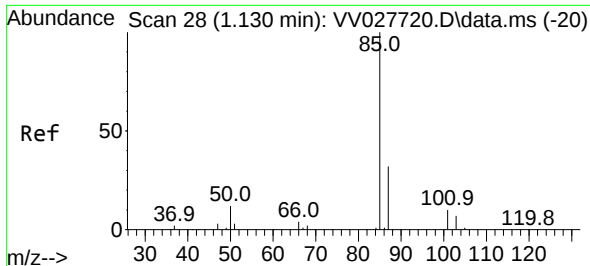
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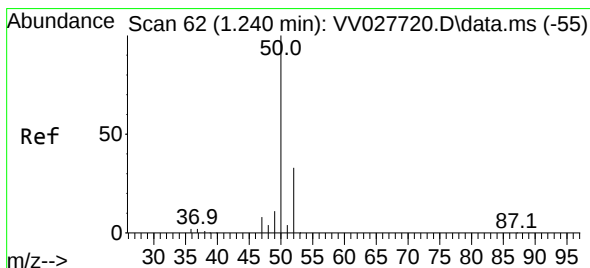
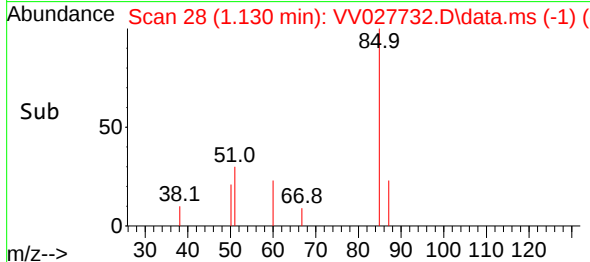
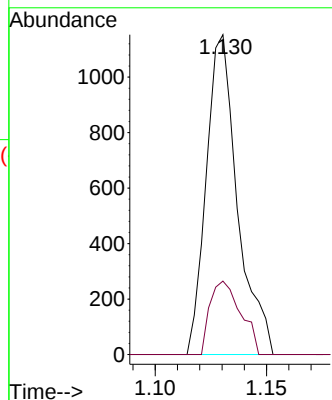
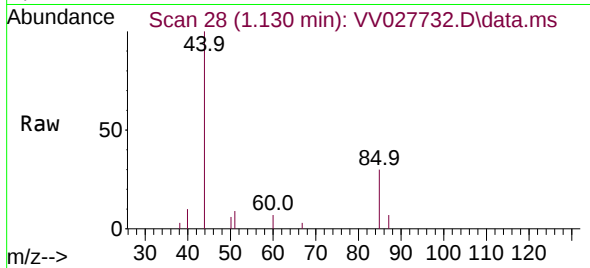




#2
 Dichlorodifluoromethane
 Concen: 0.069 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV027732.D
 Acq: 02 Sep 2022 19:02

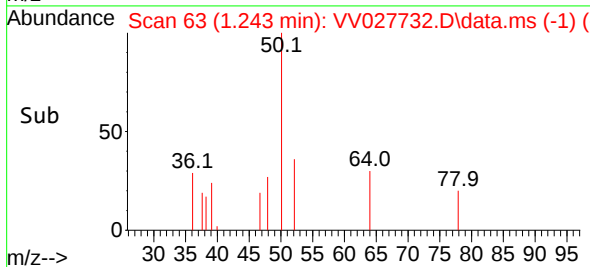
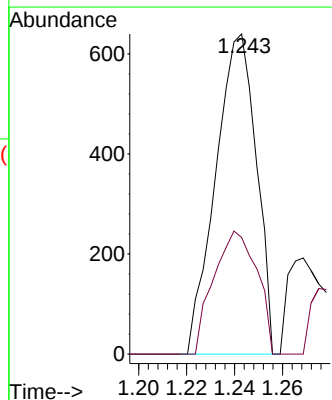
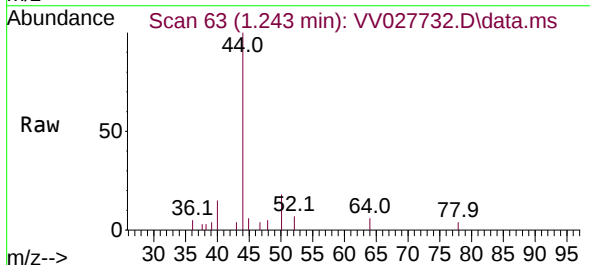
Instrument :
 MSVOA_V
 ClientSampleId :

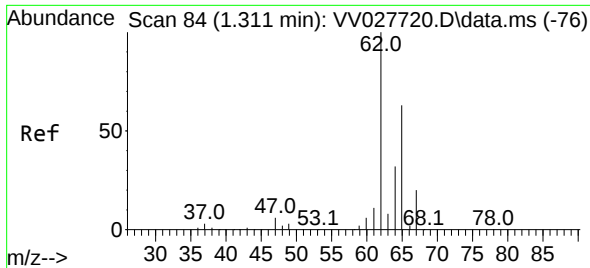
Tgt Ion: 85 Resp: 1125
 Ion Ratio Lower Upper
 85 100
 87 22.6 26.2 39.4#



#3
 Chloromethane
 Concen: 0.049 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV027732.D
 Acq: 02 Sep 2022 19:02

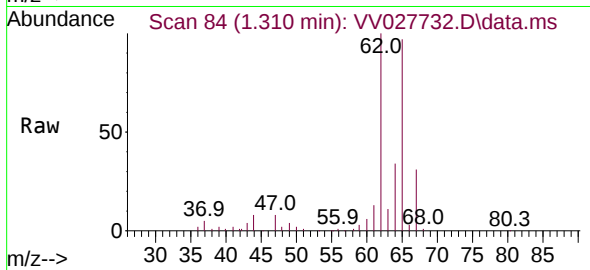
Tgt Ion: 50 Resp: 755
 Ion Ratio Lower Upper
 50 100
 52 36.4 23.5 43.7



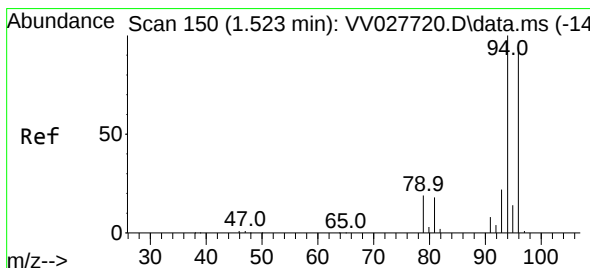
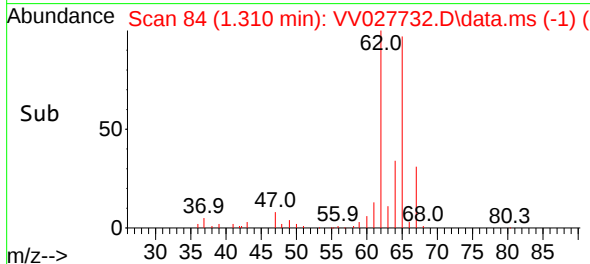
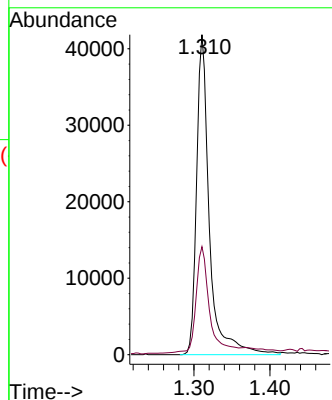


#5
 Vinyl chloride
 Concen: 3.313 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV027732.D
 Acq: 02 Sep 2022 19:02

Instrument :
 MSVOA_V
 ClientSampleId :

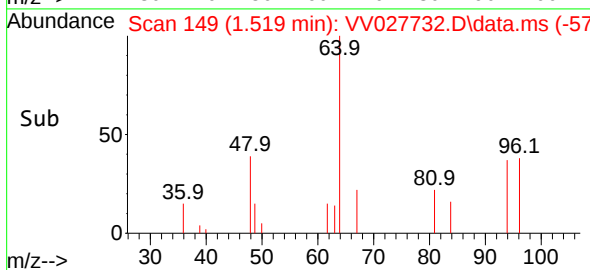
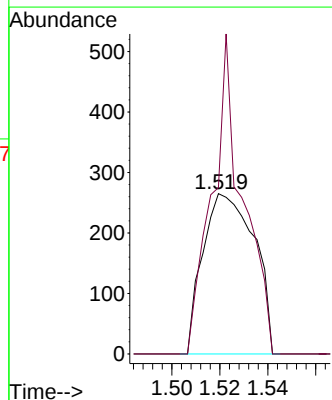
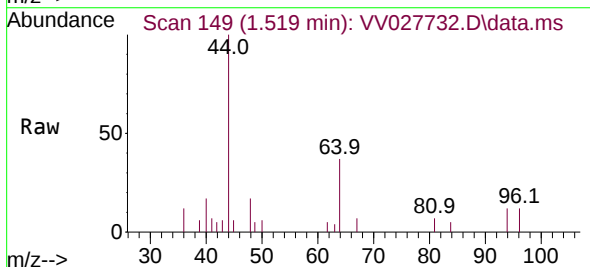


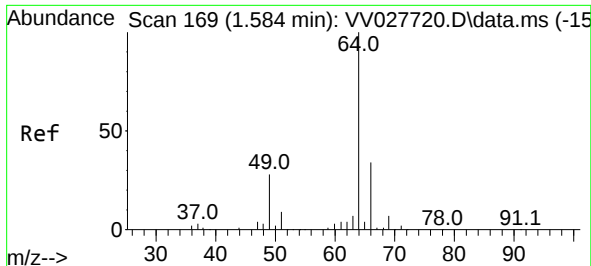
Tgt Ion: 62 Resp: 48904
 Ion Ratio Lower Upper
 62 100
 64 33.7 21.8 40.4



#6
 Bromomethane
 Concen: 0.057 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV027732.D
 Acq: 02 Sep 2022 19:02

Tgt Ion: 94 Resp: 395
 Ion Ratio Lower Upper
 94 100
 96 103.8 65.1 120.9

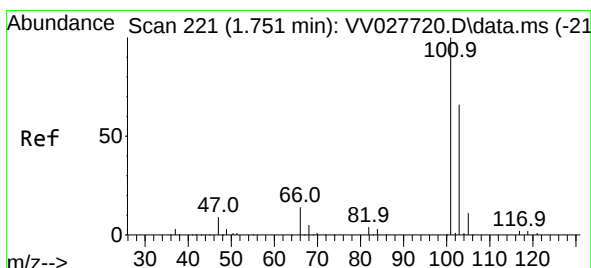
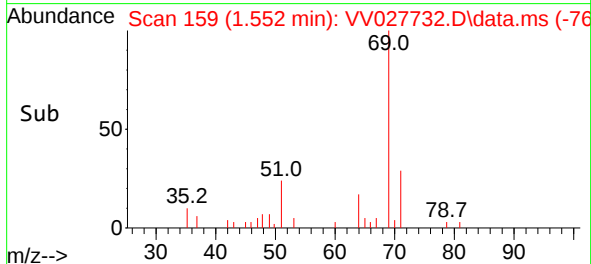
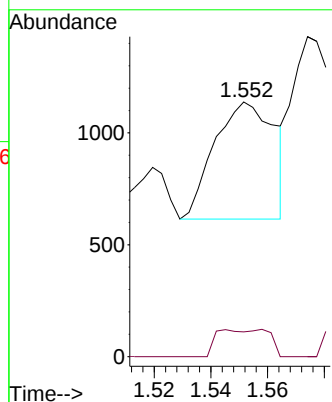
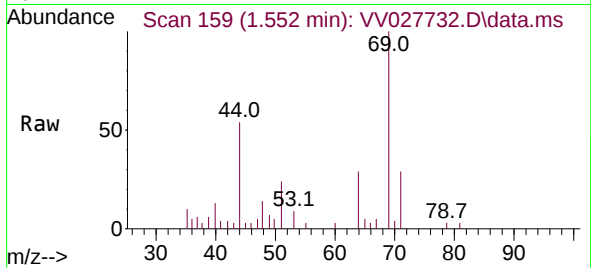




#8
Chloroethane
Concen: 0.093 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.032 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

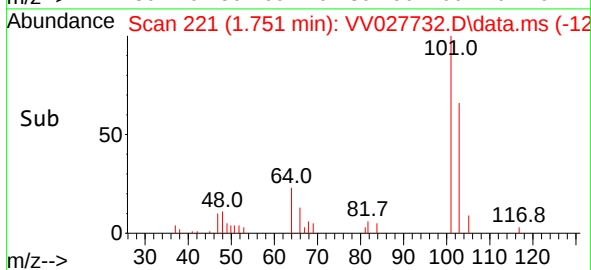
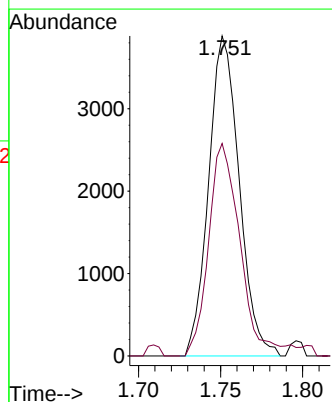
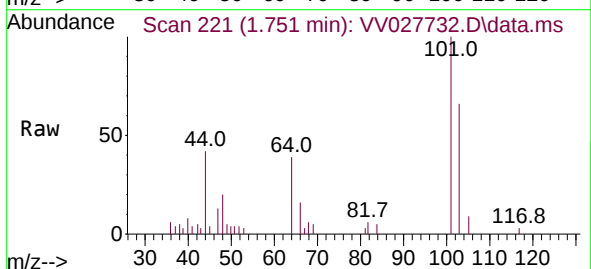
Instrument :
MSVOA_V
ClientSampleId :

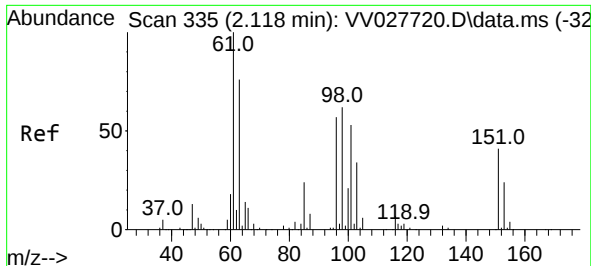
Tgt Ion: 64 Resp: 769
Ion Ratio Lower Upper
64 100
66 9.8 24.0 44.6#



#9
Trichlorofluoromethane
Concen: 0.254 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Tgt Ion: 101 Resp: 5035
Ion Ratio Lower Upper
101 100
103 68.9 51.6 77.4





#12

1,1-Dichloroethene

Concen: 0.295 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV027732.D

Acq: 02 Sep 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :

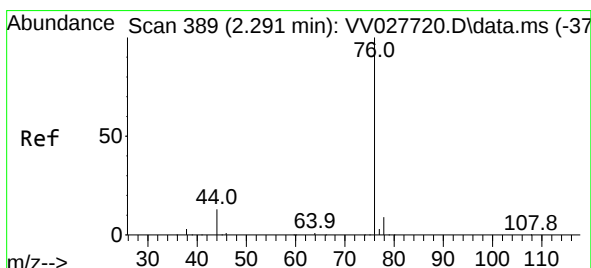
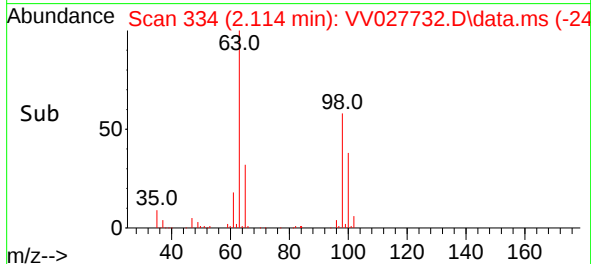
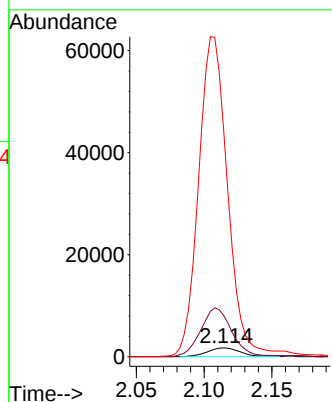
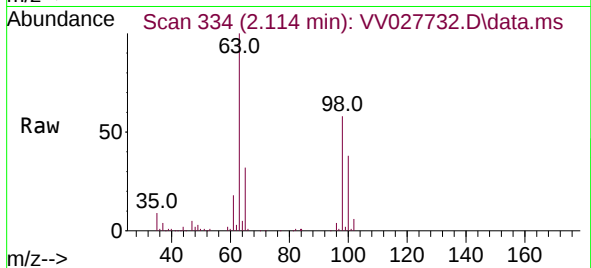
Tgt Ion: 96 Resp: 2925

Ion Ratio Lower Upper

96 100

61 472.6 134.3 249.3#

63 2599.0 105.7 196.3#



#14

Carbon disulfide

Concen: 0.058 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV027732.D

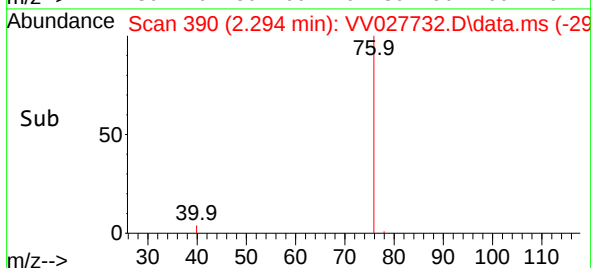
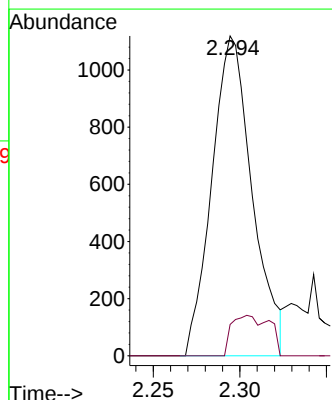
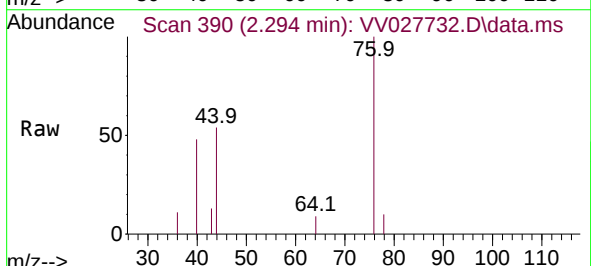
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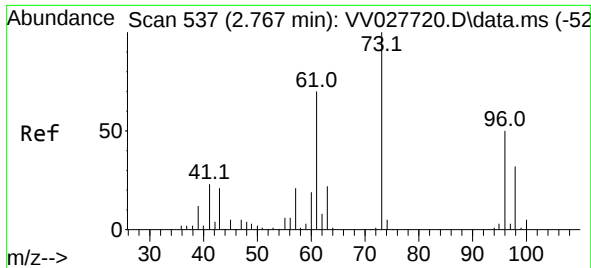
Tgt Ion: 76 Resp: 1814

Ion Ratio Lower Upper

76 100

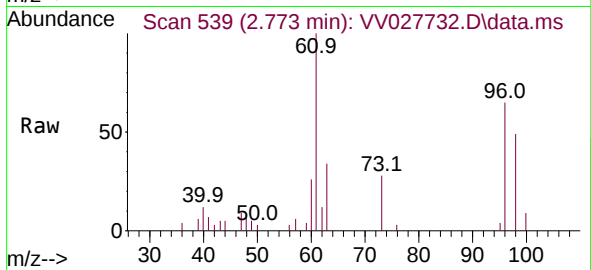
78 9.8 7.4 11.0



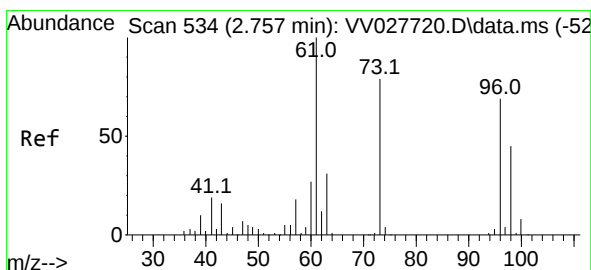
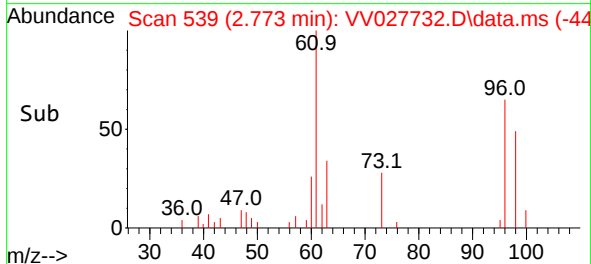
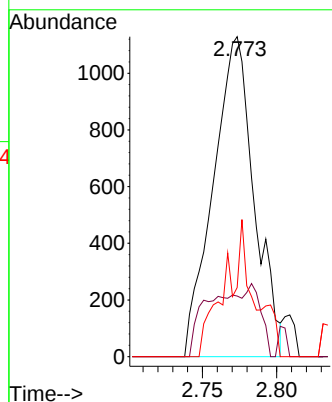


#17
Methyl tert-butyl Ether
Concen: 0.102 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Instrument :
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ClientSampleId :

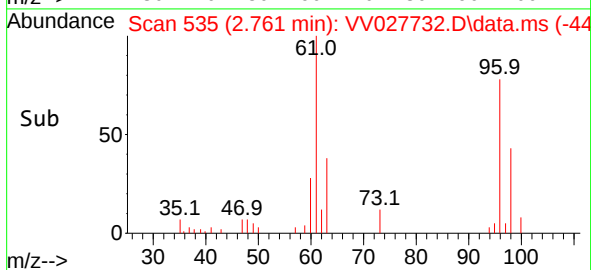
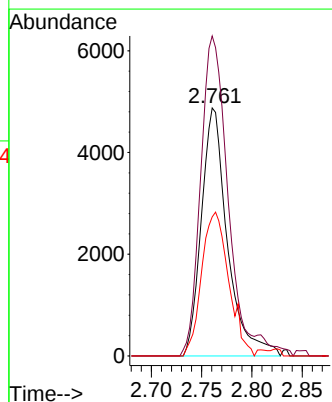
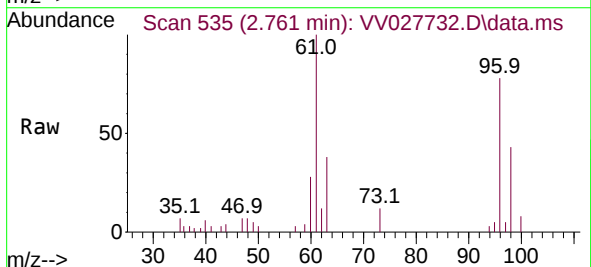


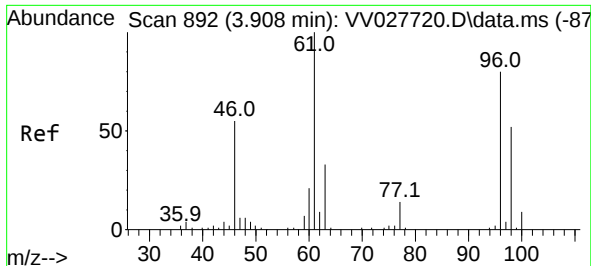
Tgt Ion: 73 Resp: 2172
Ion Ratio Lower Upper
73 100
43 27.7 16.5 24.7#
57 26.0 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.781 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Tgt Ion: 96 Resp: 8784
Ion Ratio Lower Upper
96 100
61 129.0 101.8 189.0
98 56.0 44.9 83.3





#22

cis-1,2-Dichloroethene

Concen: 46.488 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV027732.D

Acq: 02 Sep 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :

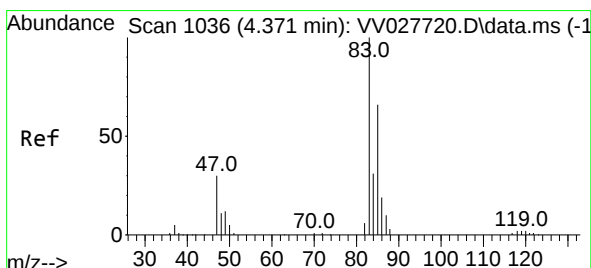
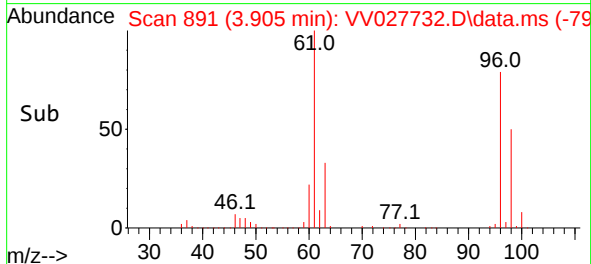
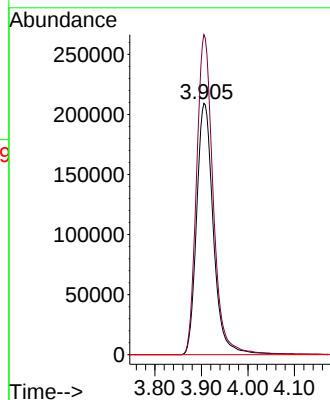
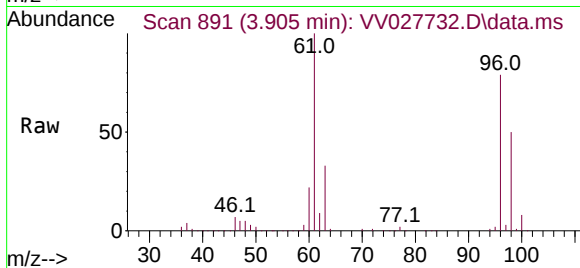
Tgt Ion: 96 Resp: 521715

Ion Ratio Lower Upper

96 100

61 127.3 96.9 180.1

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.188 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV027732.D

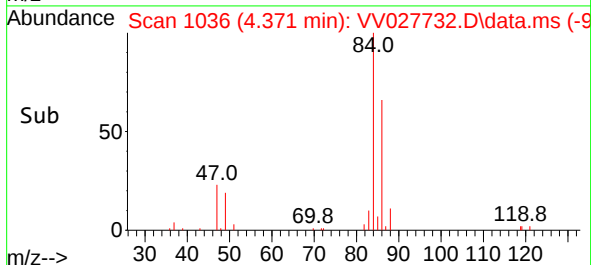
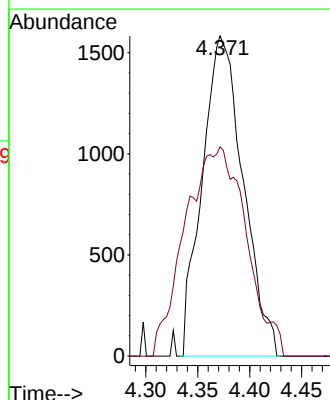
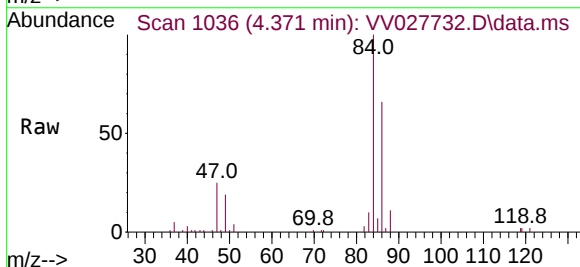
Acq: 02 Sep 2022 19:02

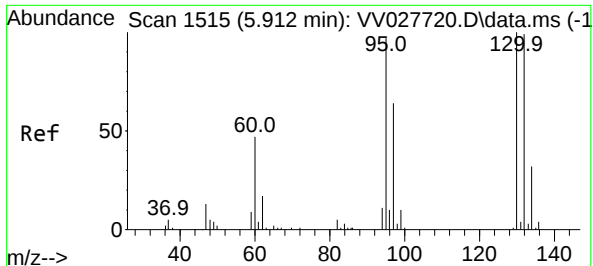
Tgt Ion: 83 Resp: 4339

Ion Ratio Lower Upper

83 100

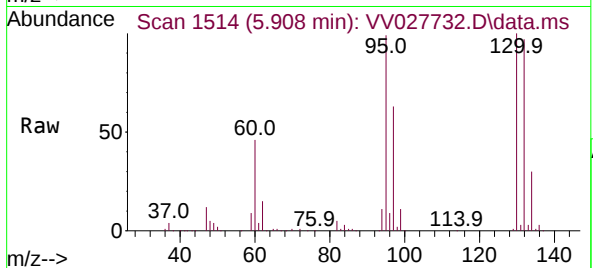
85 65.4 44.7 83.1



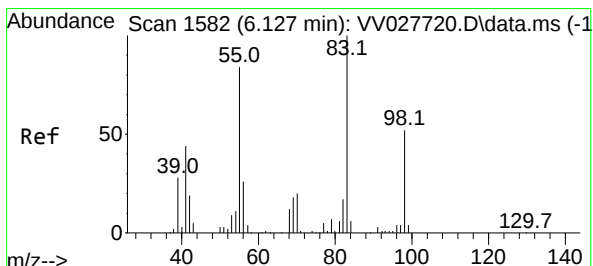
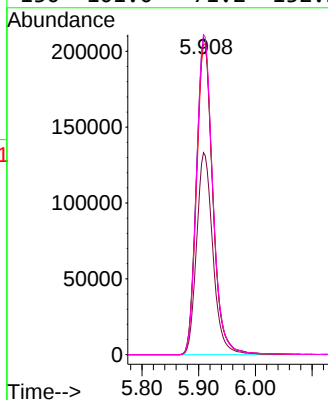
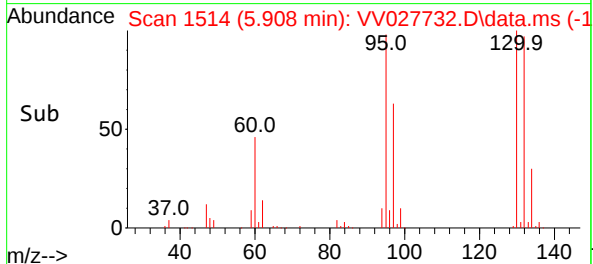


#34
Trichloroethene
Concen: 38.161 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

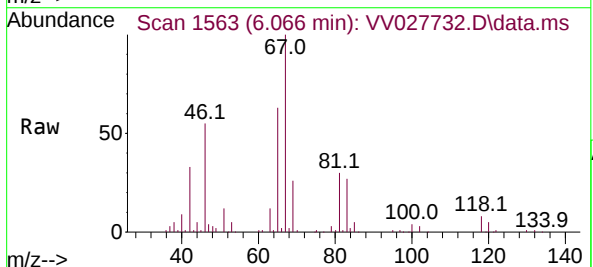
Instrument :
MSVOA_V
ClientSampleId :



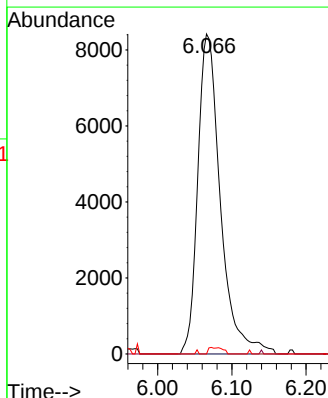
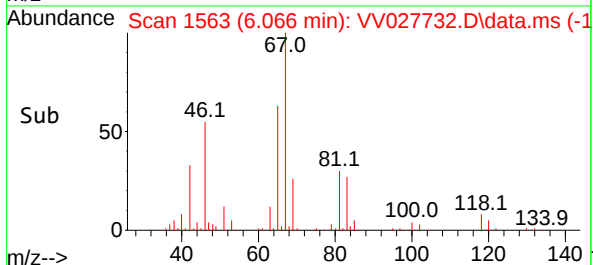
Tgt Ion: 95 Resp: 417949
Ion Ratio Lower Upper
95 100
97 63.8 46.1 85.5
132 98.0 67.3 125.1
130 101.0 71.2 132.2

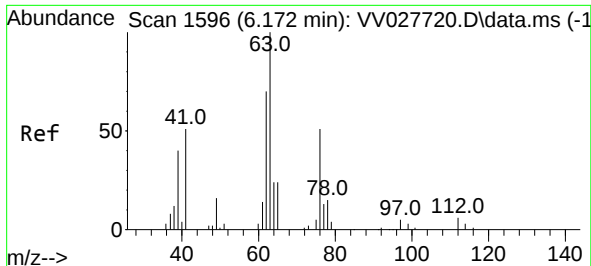


#35
Methylcyclohexane
Concen: 1.046 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02



Tgt Ion: 83 Resp: 17784
Ion Ratio Lower Upper
83 100
55 0.1 66.0 99.0#
98 0.0 36.9 55.3#





#37

1,2-Dichloropropane

Concen: 0.736 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV027732.D

Acq: 02 Sep 2022 19:02

Instrument :

MSVOA_V

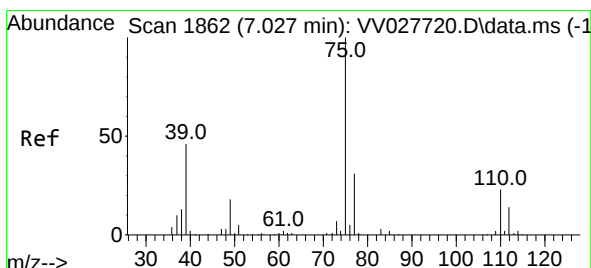
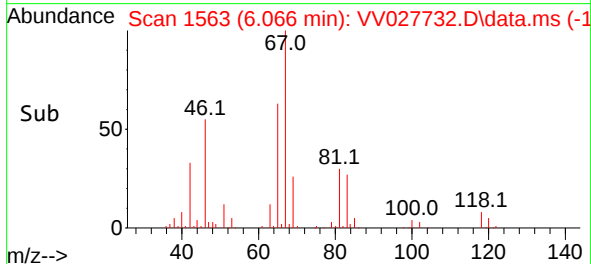
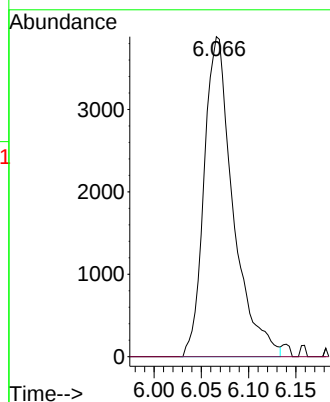
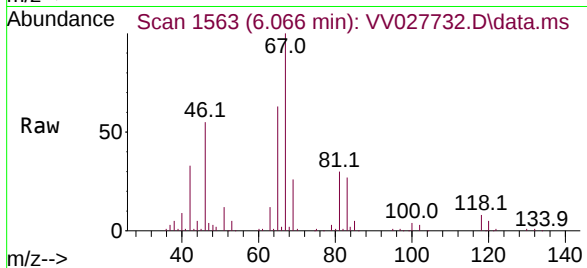
ClientSampleId :

Tgt Ion: 63 Resp: 8281

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV027732.D

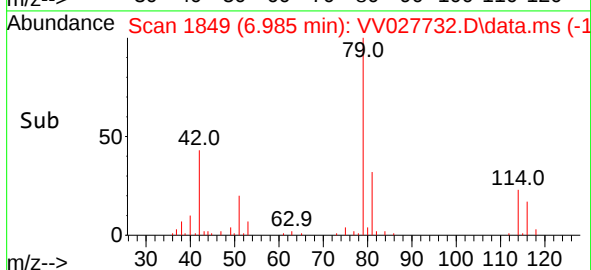
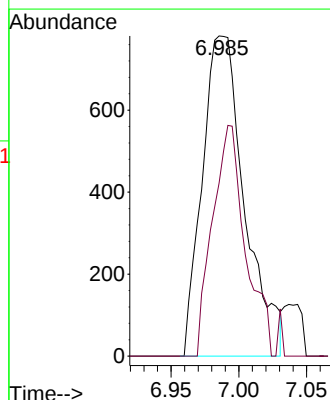
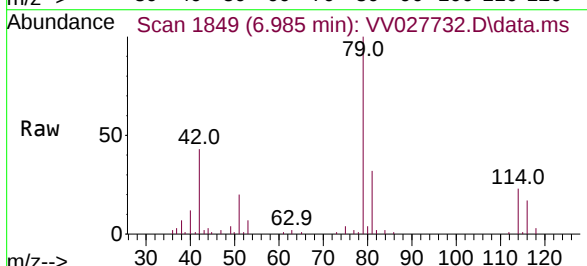
Acq: 02 Sep 2022 19:02

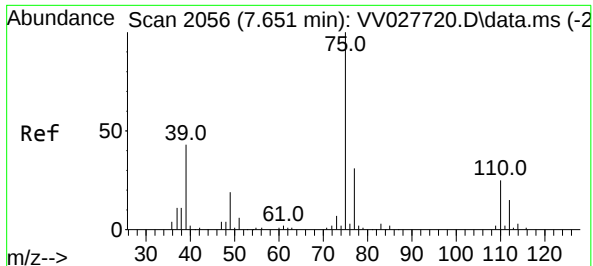
Tgt Ion: 75 Resp: 1697

Ion Ratio Lower Upper

75 100

77 54.0 22.3 41.3#

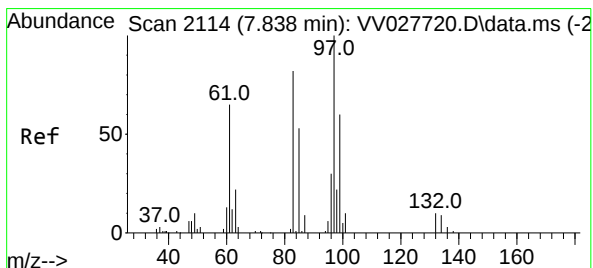
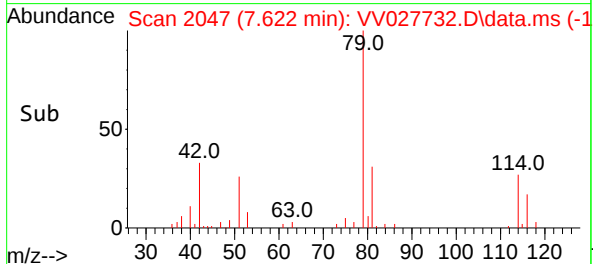
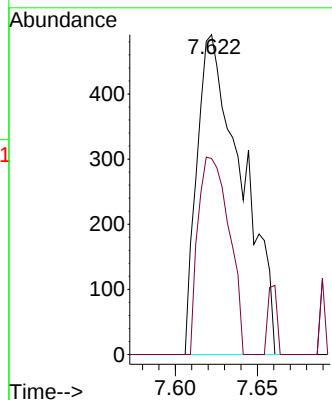
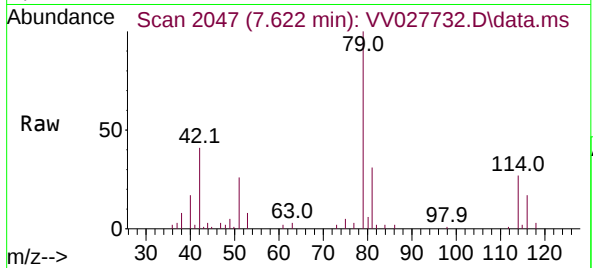




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.029 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

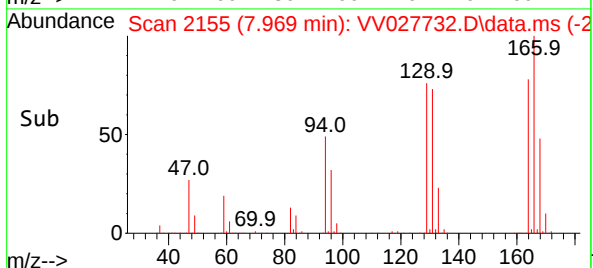
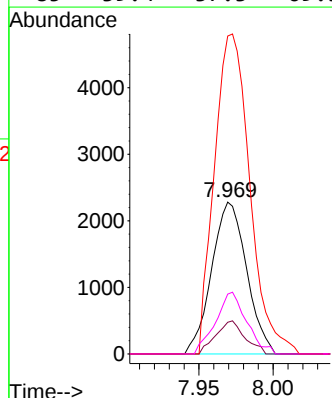
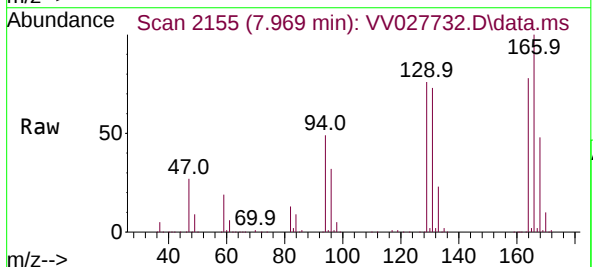
Instrument :
MSVOA_V
ClientSampleId :

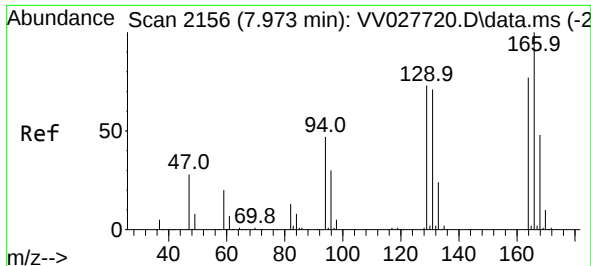
Tgt Ion: 75 Resp: 927
Ion Ratio Lower Upper
75 100
77 61.3 22.0 41.0#



#45
1,1,2-Trichloroethane
Concen: 0.514 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.132 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Tgt Ion: 97 Resp: 3729
Ion Ratio Lower Upper
97 100
99 20.9 41.3 76.7#
83 209.4 57.5 106.9#
85 39.4 37.3 69.3





#47

Tetrachloroethene

Concen: 47.020 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

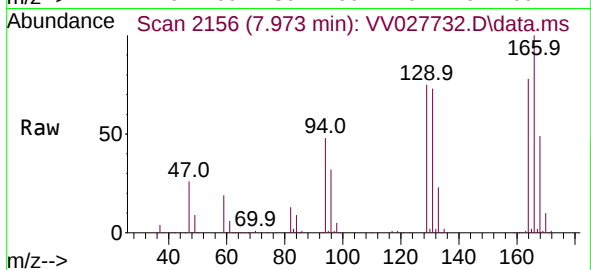
Lab File: VV027732.D

Acq: 02 Sep 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 417544

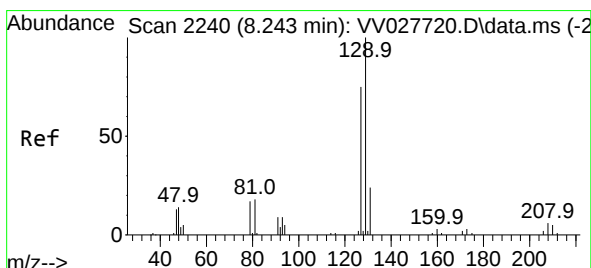
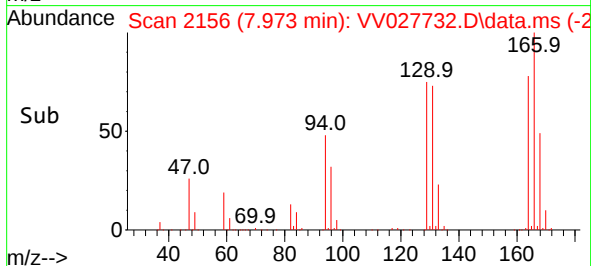
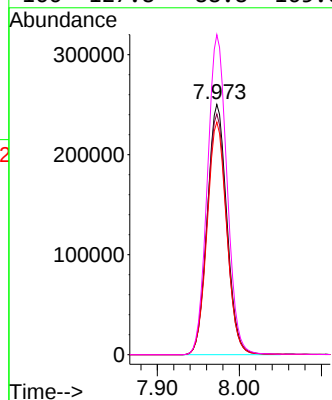
Ion Ratio Lower Upper

164 100

129 96.2 65.9 122.3

131 92.9 64.5 119.7

166 127.8 88.8 165.0



#49

Dibromochloromethane

Concen: 45.342 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027732.D

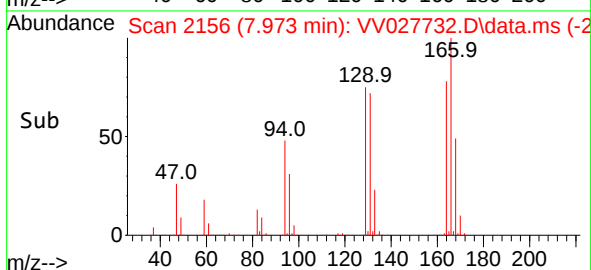
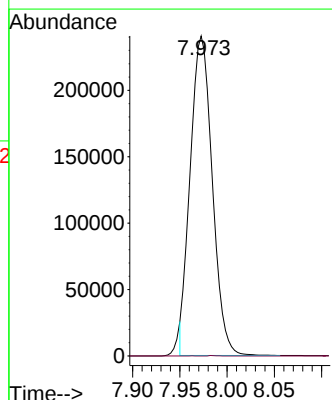
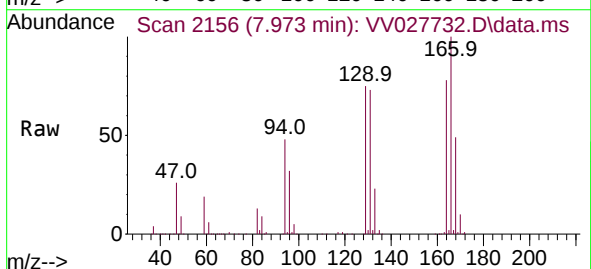
Acq: 02 Sep 2022 19:02

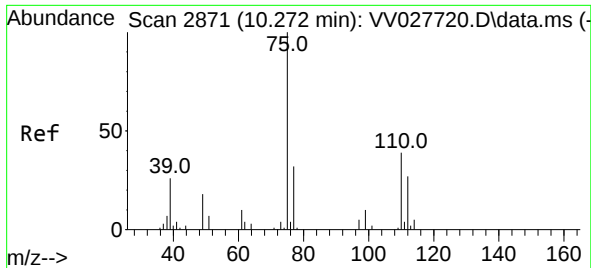
Tgt Ion:129 Resp: 389856

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#

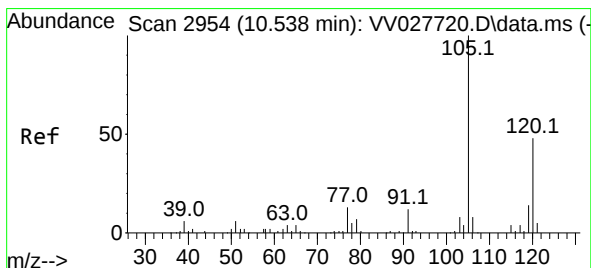
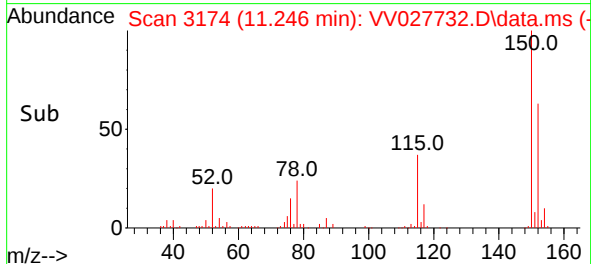
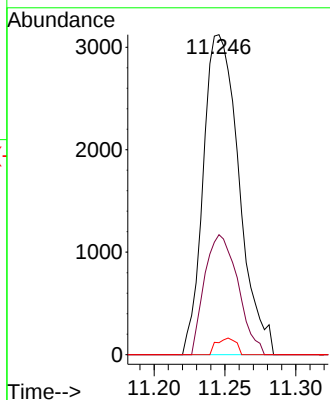
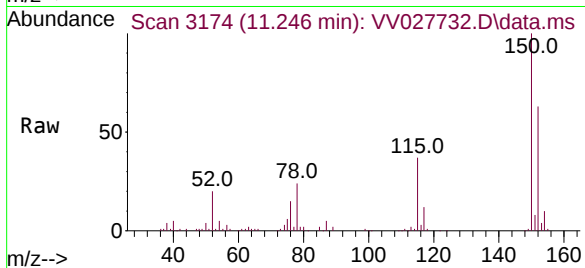




#61
1,2,3-Trichloropropane
Concen: 1.059 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 5475
Ion Ratio Lower Upper
75 100
77 34.9 25.8 38.6
110 2.8 29.8 44.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.043 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.379 min
Lab File: VV027732.D
Acq: 02 Sep 2022 19:02

Tgt Ion: 105 Resp: 451
Ion Ratio Lower Upper
105 100
120 43.7 40.4 60.6

