

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090622\
 Data File : VW027745.D
 Acq On : 06 Sep 2022 16:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK287

Quant Time: Sep 07 06:03:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 05:56:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.600	114	182742	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.860	117	155269	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69846	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	56222	4.667	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.558	69	48056	4.703	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.098	63	89888	3.517	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.400%
20) 2-Butanone-d5	3.970	46	131244	49.163	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.320%
24) Chloroform-d	4.352	84	107566	4.361	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.027	65	67492	5.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.031	84	224783	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.066	67	65259	4.948	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.336	98	170617	4.504	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.641	79	20408	4.613	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.114	63	79455	48.312	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.620%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	42482	5.016	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	57731	5.031	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	650	0.040	ug/L #	68
5) Vinyl chloride	1.298	62	727	0.044	ug/L #	1
6) Bromomethane	1.516	94	1796	0.203	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1282	0.099	ug/L #	50
12) 1,1-Dichloroethene	2.105	96	1103	0.091	ug/L #	1
14) Carbon disulfide	2.281	76	4561	0.127	ug/L #	84
16) Methylene chloride	2.497	84	3073	0.197	ug/L	93
18) trans-1,2-Dichloroethene	2.761	96	644	0.050	ug/L #	50
25) Chloroform	4.384	83	5412	0.203	ug/L	87
35) Methylcyclohexane	6.066	83	17022	0.864	ug/L #	19
37) 1,2-Dichloropropane	6.066	63	7998	0.657	ug/L #	85
39) cis-1,3-Dichloropropene	7.008	75	1566	0.102	ug/L #	48
44) trans-1,3-Dichloropropene	7.645	75	997	0.077	ug/L #	72
51) Chlorobenzene	8.895	112	1599	0.050	ug/L	93
53) m,p-Xylene	9.156	106	789	0.039	ug/L	90
60) Isopropylbenzene	9.944	105	1748	0.040	ug/L #	79
62) 1,3,5-Trimethylbenzene	10.548	105	744	0.060	ug/L	90
63) 1,2,4-Trimethylbenzene	10.921	105	2740	0.078	ug/L	94
69) 1,3,5-Trichlorobenzene	12.644	180	3909	0.233	ug/L	96

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QLast Update : Wed Sep 07 05:56:09 2022
Response via : Initial Calibration

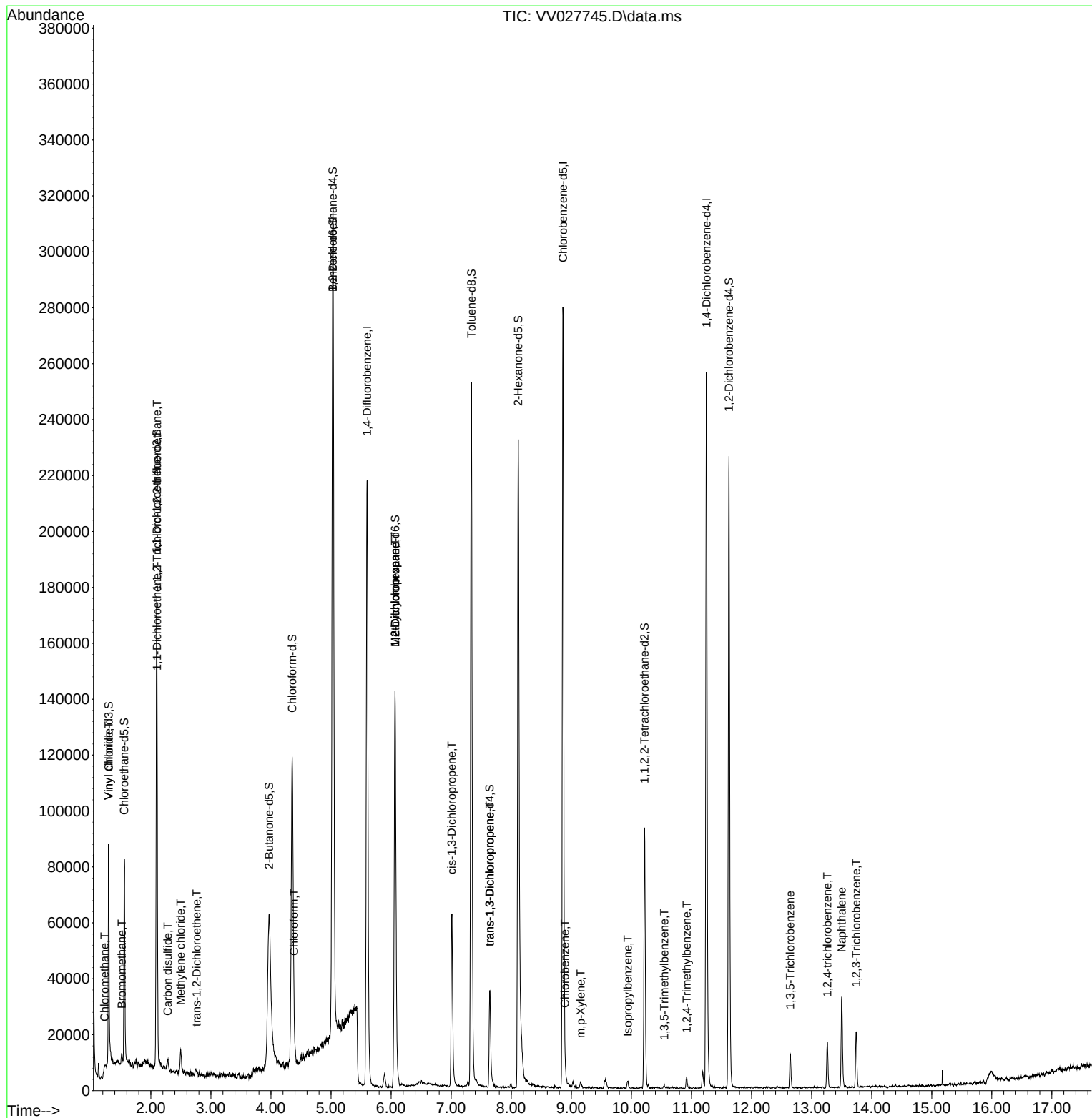
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.262	180	5467	0.412	ug/L	98
71) Naphthalene	13.503	128	26225	1.260	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	6172	0.523	ug/L	98

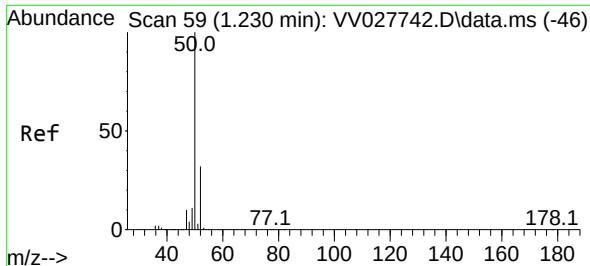
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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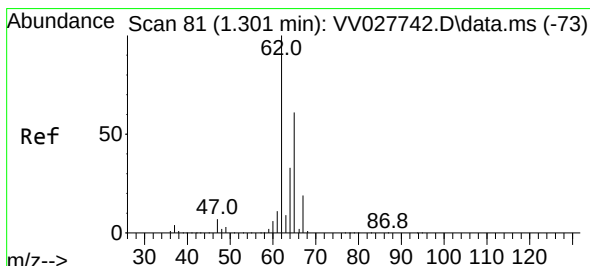
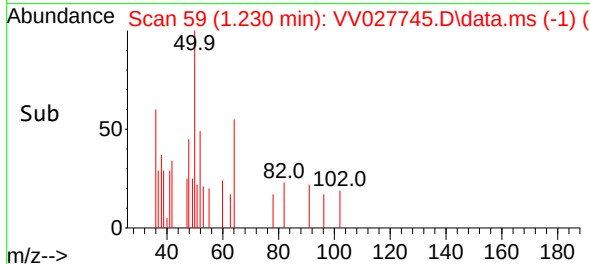
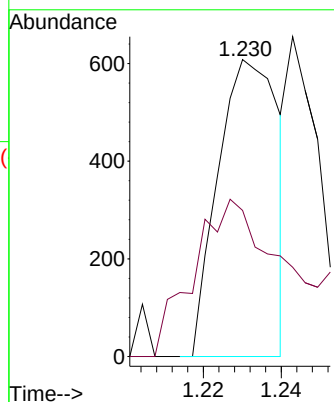
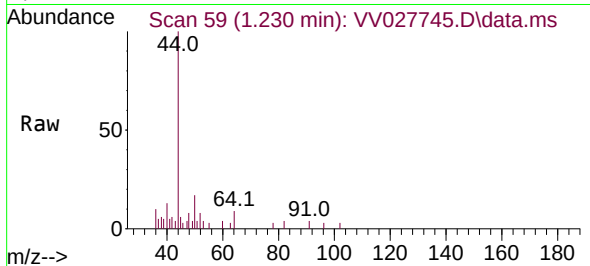




#3
Chloromethane
Concen: 0.040 ug/L
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

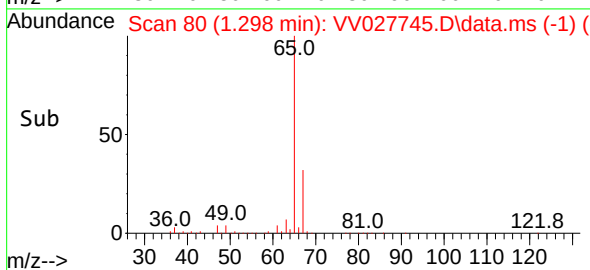
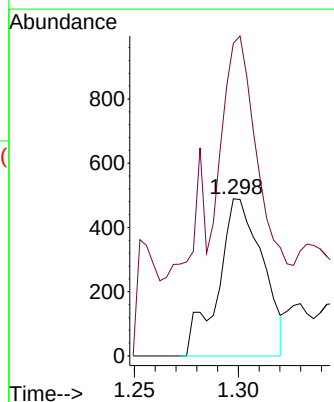
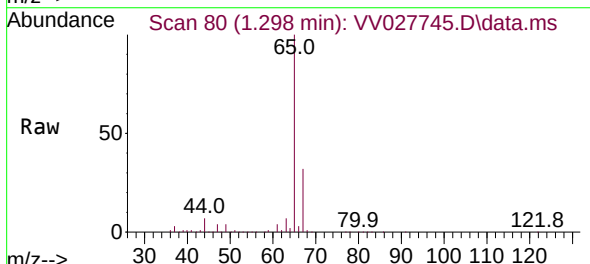
Instrument :
MSVOA_V
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VIBLK287

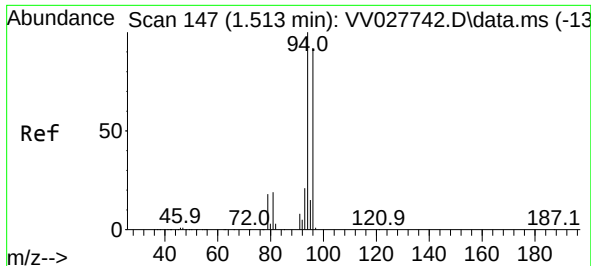
Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 49.2 22.1 41.1#



#5
Vinyl chloride
Concen: 0.044 ug/L
RT: 1.298 min Scan# 80
Delta R.T. -0.003 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Tgt Ion: 62 Resp: 727
Ion Ratio Lower Upper
62 100
64 199.0 23.2 43.2#

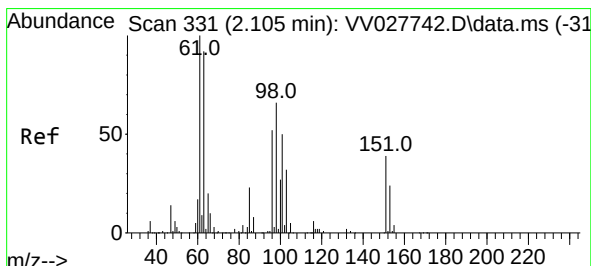
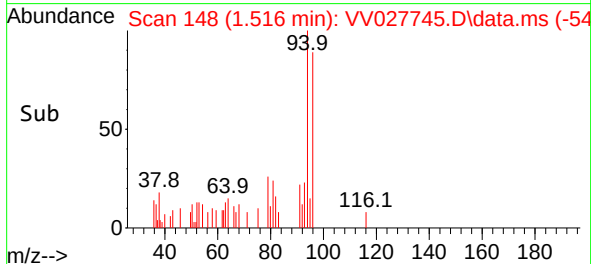
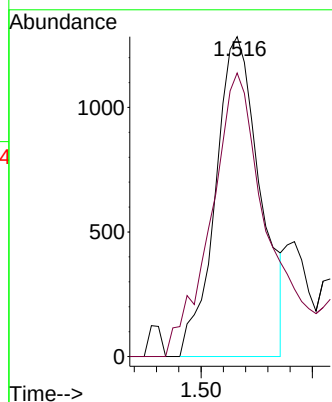
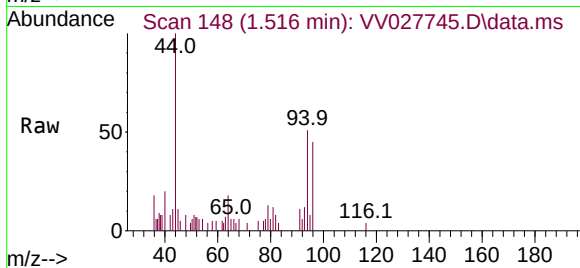




#6
Bromomethane
Concen: 0.203 ug/L
RT: 1.516 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

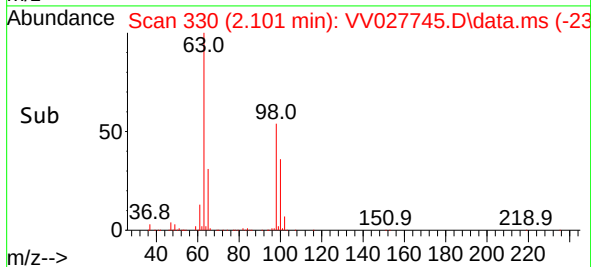
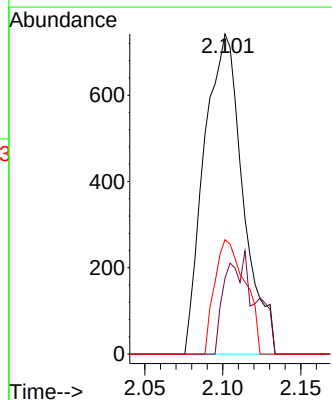
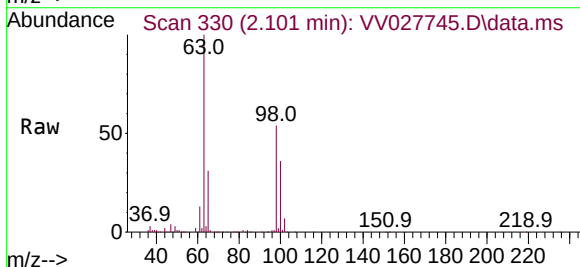
Instrument :
MSVOA_V
ClientSampleId :
VIBLK287

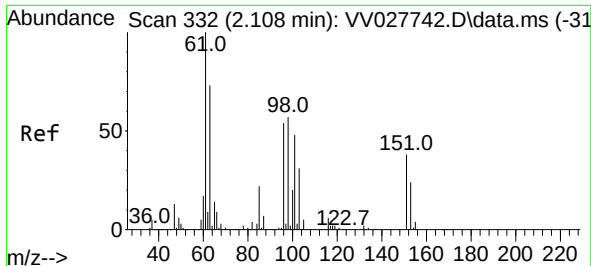
Tgt Ion: 94 Resp: 1796
Ion Ratio Lower Upper
94 100
96 88.6 64.2 119.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.099 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.003 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Tgt Ion: 101 Resp: 1282
Ion Ratio Lower Upper
101 100
85 20.0 35.8 53.8#
151 28.0 61.2 91.8#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

Instrument :

MSVOA_V

ClientSampleId :

VIBLK287

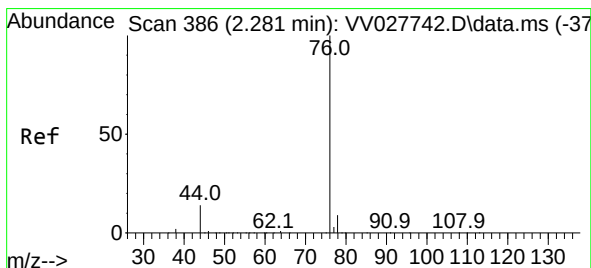
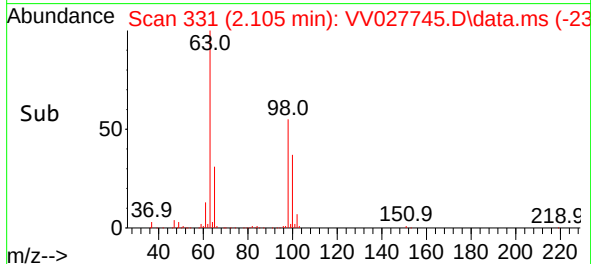
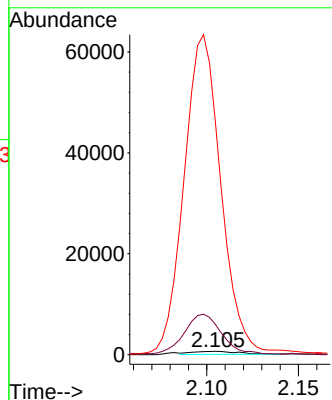
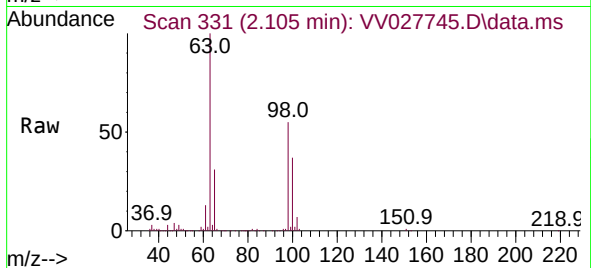
Tgt Ion: 96 Resp: 1103

Ion Ratio Lower Upper

96 100

61 916.9 129.9 241.3#

63 7085.4 94.6 175.8#



#14

Carbon disulfide

Concen: 0.127 ug/L

RT: 2.281 min Scan# 386

Delta R.T. -0.000 min

Lab File: VV027745.D

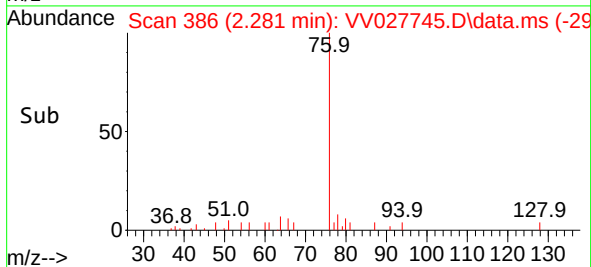
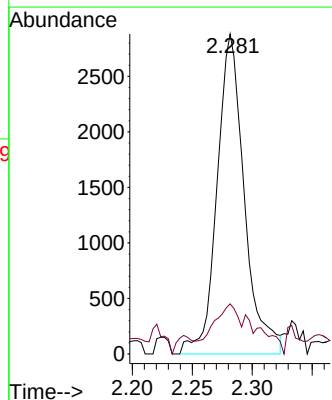
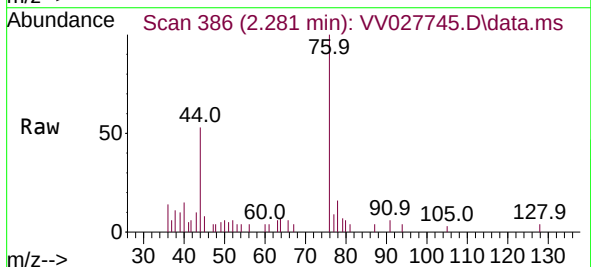
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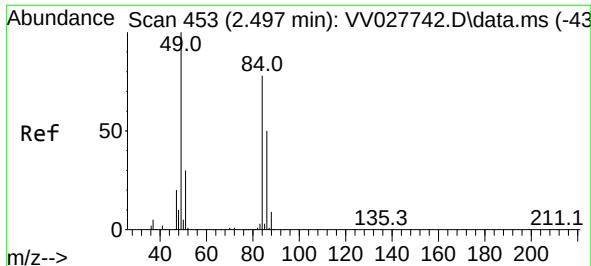
Tgt Ion: 76 Resp: 4561

Ion Ratio Lower Upper

76 100

78 15.6 7.7 11.5#

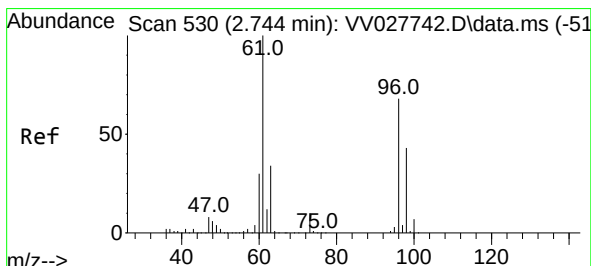
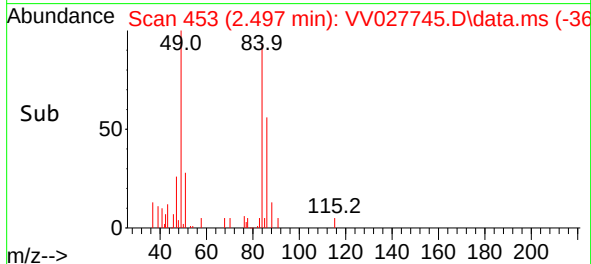
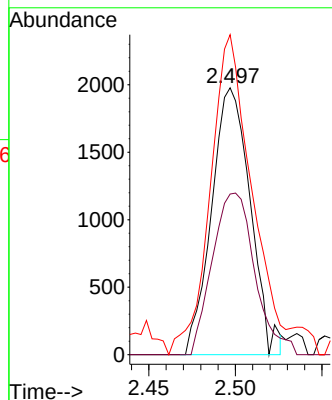
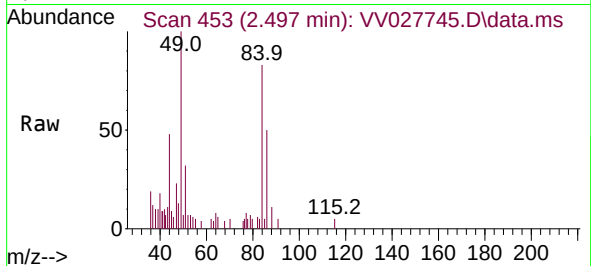




#16
Methylene chloride
Concen: 0.197 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.000 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

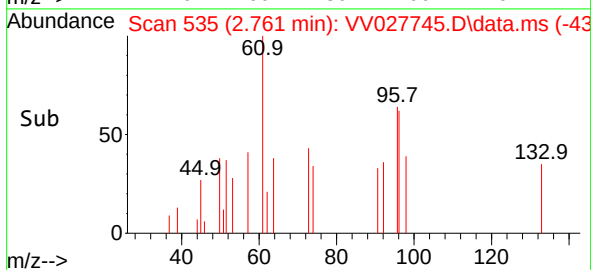
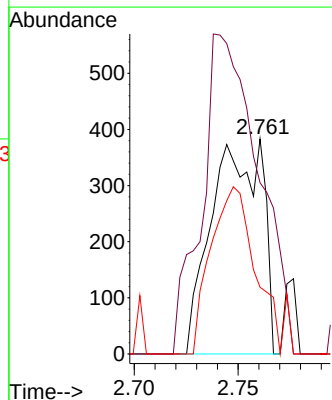
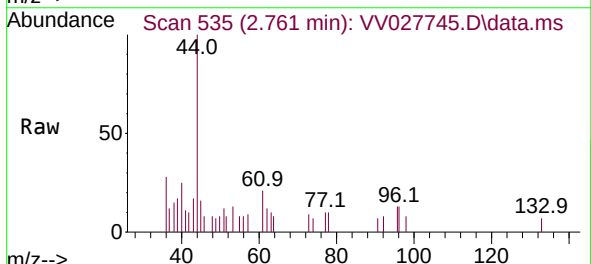
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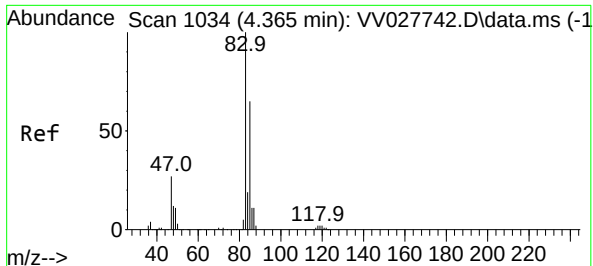
Tgt Ion: 84 Resp: 3073
Ion Ratio Lower Upper
84 100
86 60.2 44.9 83.3
49 119.9 90.1 167.3



#18
trans-1,2-Dichloroethene
Concen: 0.050 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.016 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Tgt Ion: 96 Resp: 644
Ion Ratio Lower Upper
96 100
61 79.6 102.6 190.5#
98 31.1 44.0 81.8#





#25

Chloroform

Concen: 0.203 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.019 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

Instrument :

MSVOA_V

ClientSampleId :

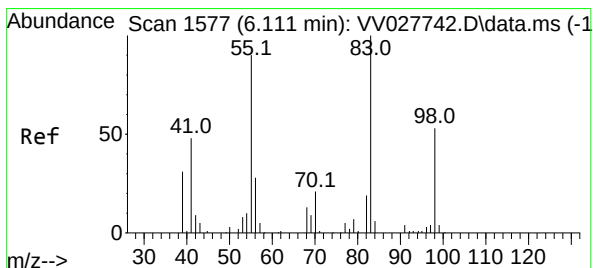
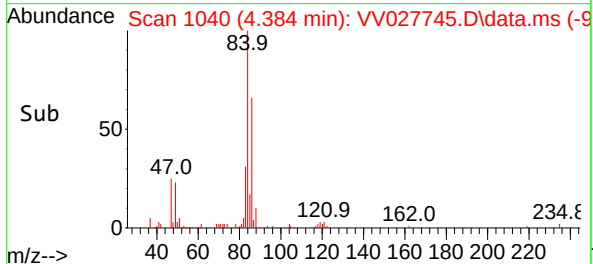
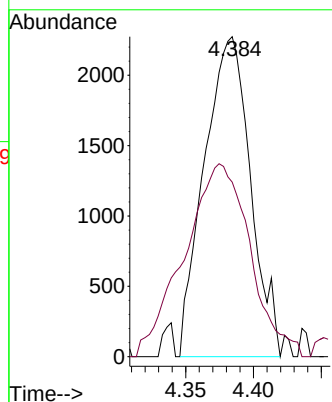
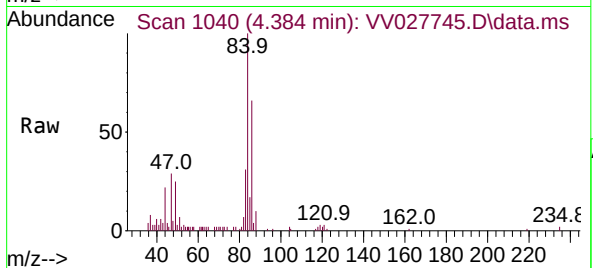
VIBLK287

Tgt Ion: 83 Resp: 5412

Ion Ratio Lower Upper

83 100

85 54.6 45.4 84.2



#35

Methylcyclohexane

Concen: 0.864 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.045 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

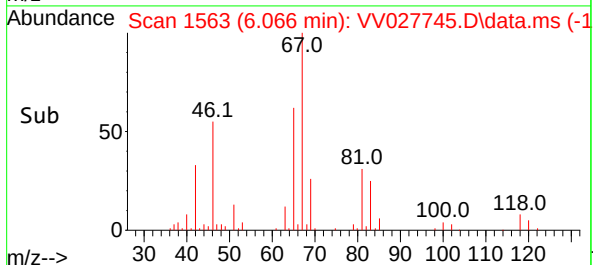
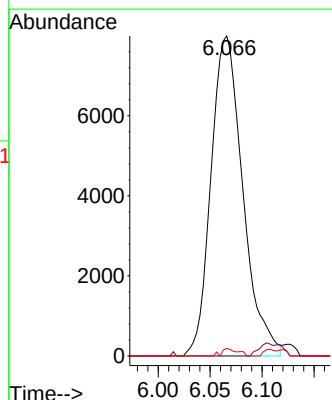
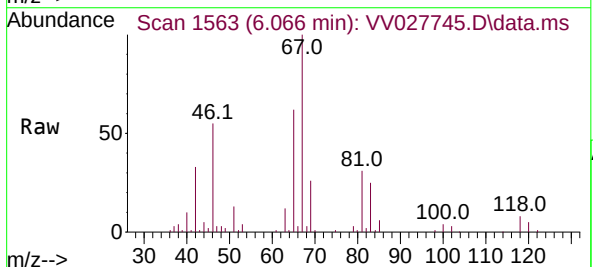
Tgt Ion: 83 Resp: 17022

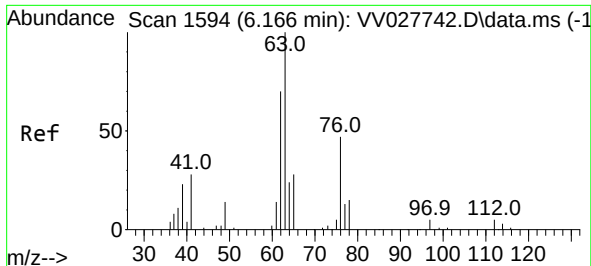
Ion Ratio Lower Upper

83 100

55 0.1 61.9 92.9#

98 1.2 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.657 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.100 min

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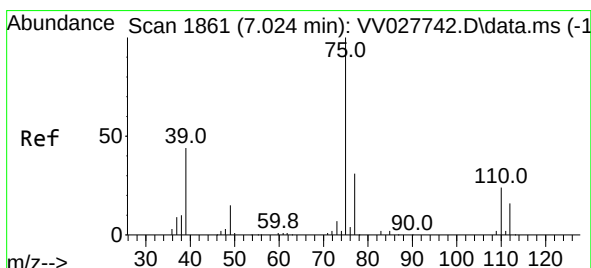
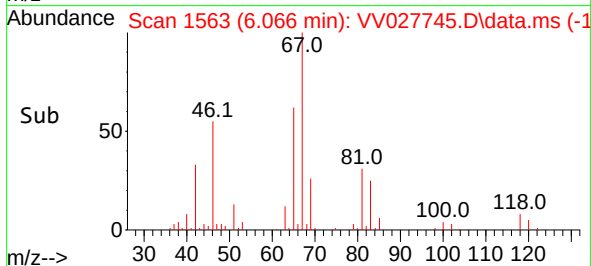
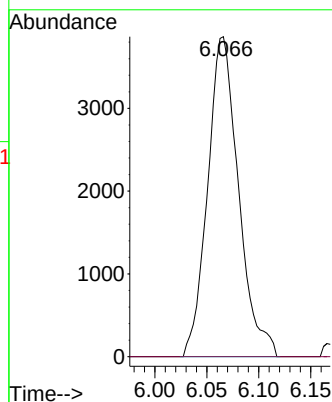
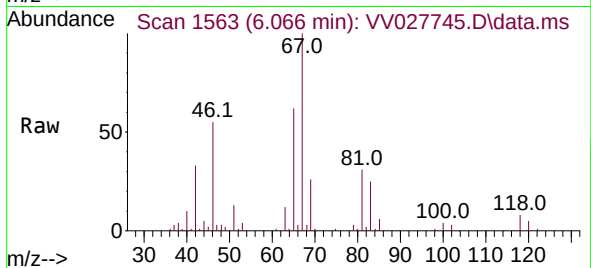
VIBLK287

Tgt Ion: 63 Resp: 7998

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.008 min Scan# 1856

Delta R.T. -0.016 min

Lab File: VV027745.D

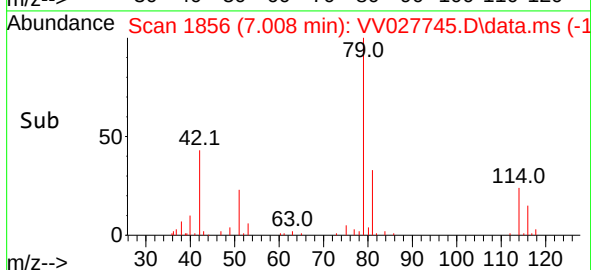
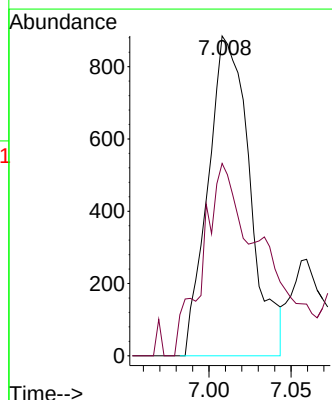
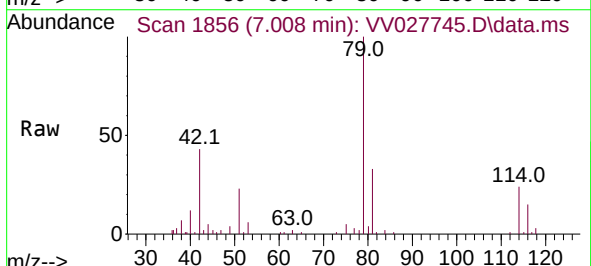
Acq: 06 Sep 2022 16:24

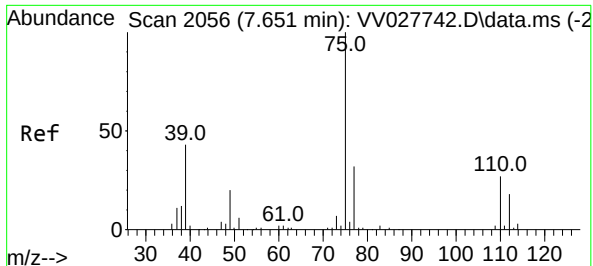
Tgt Ion: 75 Resp: 1566

Ion Ratio Lower Upper

75 100

77 60.1 22.0 40.8#

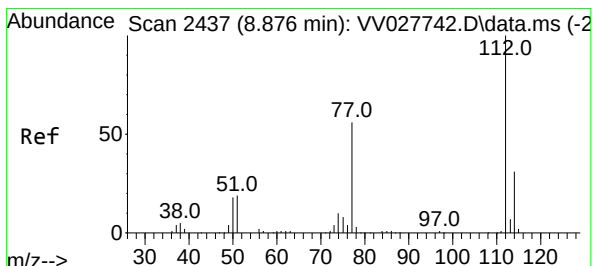
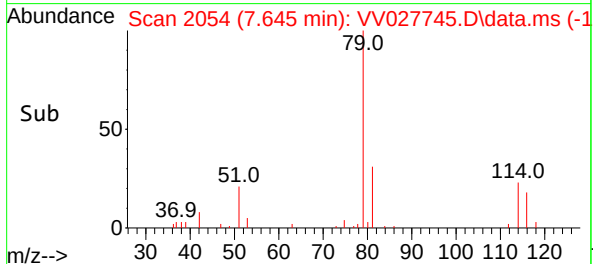
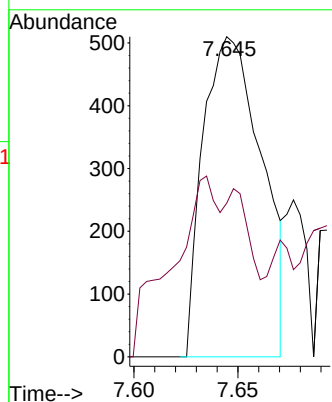
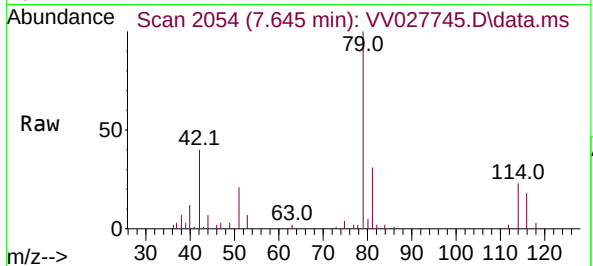




#44
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. -0.006 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

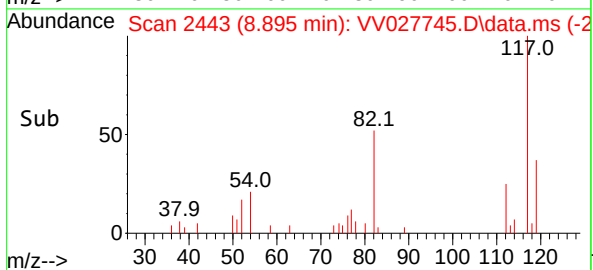
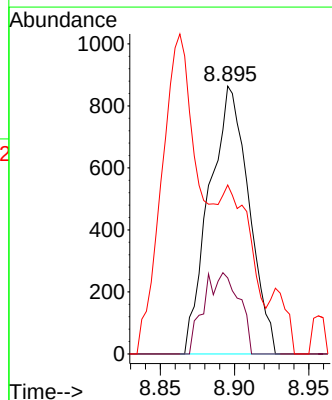
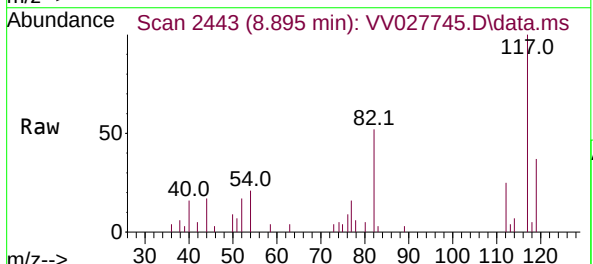
Instrument :
MSVOA_V
ClientSampleId :
VIBLK287

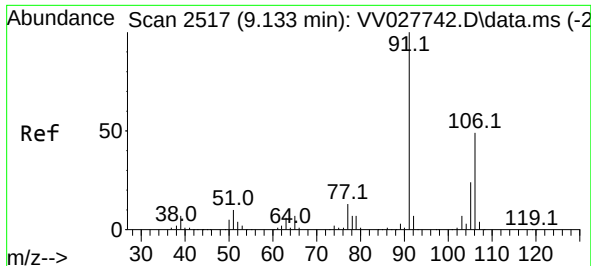
Tgt Ion: 75 Resp: 997
Ion Ratio Lower Upper
75 100
77 48.0 22.6 42.0#



#51
Chlorobenzene
Concen: 0.050 ug/L
RT: 8.895 min Scan# 2443
Delta R.T. 0.019 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Tgt Ion: 112 Resp: 1599
Ion Ratio Lower Upper
112 100
114 28.4 21.7 40.3
77 63.1 45.3 67.9





#53

m,p-Xylene

Concen: 0.039 ug/L

RT: 9.156 min Scan# 21

Delta R.T. 0.022 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

Instrument :

MSVOA_V

ClientSampleId :

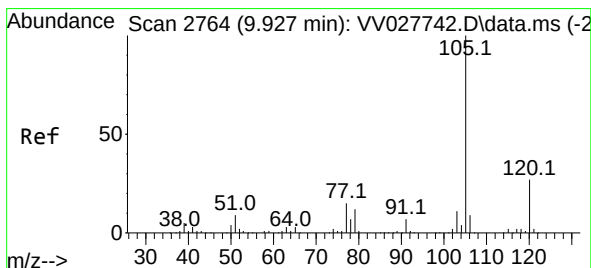
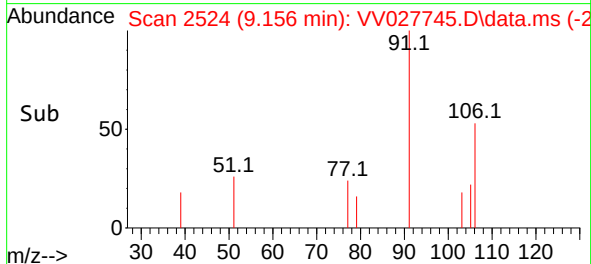
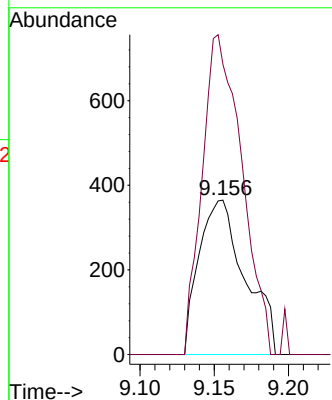
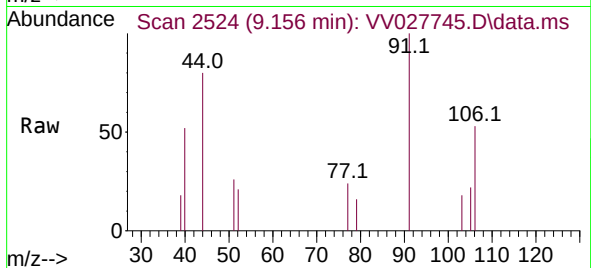
VIBLK287

Tgt Ion:106 Resp: 789

Ion Ratio Lower Upper

106 100

91 187.9 142.4 264.4



#60

Isopropylbenzene

Concen: 0.040 ug/L

RT: 9.944 min Scan# 2769

Delta R.T. 0.016 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

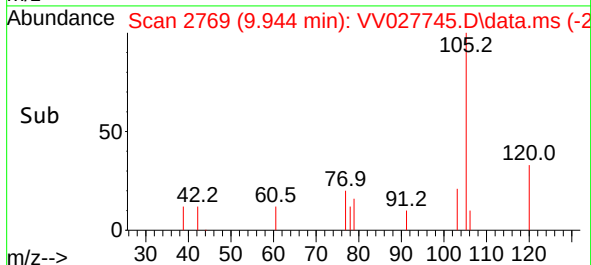
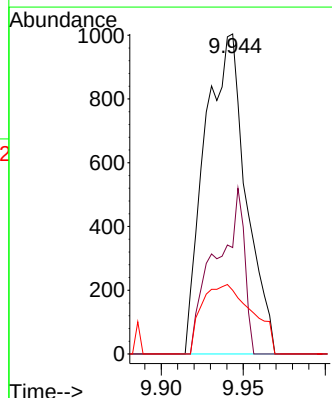
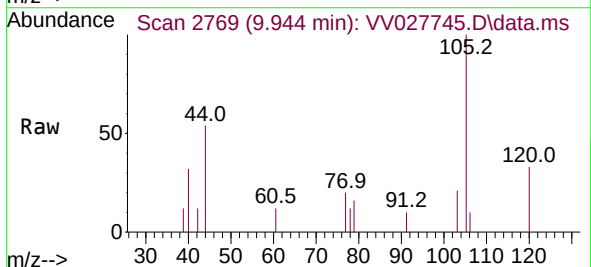
Tgt Ion:105 Resp: 1748

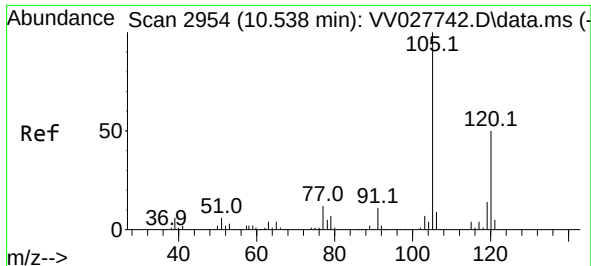
Ion Ratio Lower Upper

105 100

120 36.0 21.3 31.9#

77 26.6 12.6 18.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.060 ug/L

RT: 10.548 min Scan# 2954

Delta R.T. 0.010 min

Lab File: VV027745.D

Acq: 06 Sep 2022 16:24

Instrument :

MSVOA_V

ClientSampleId :

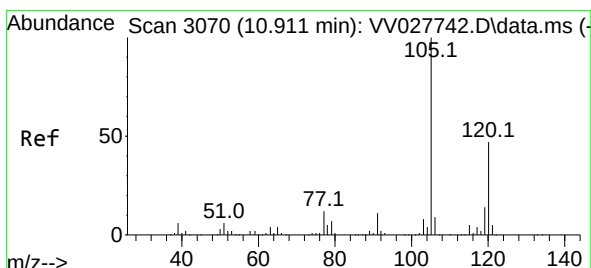
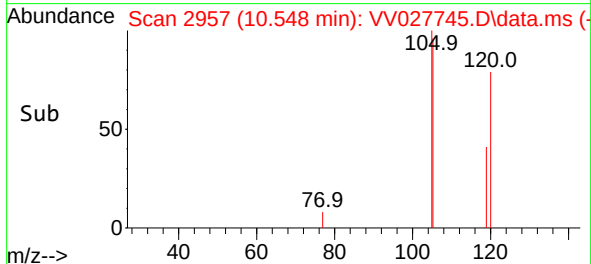
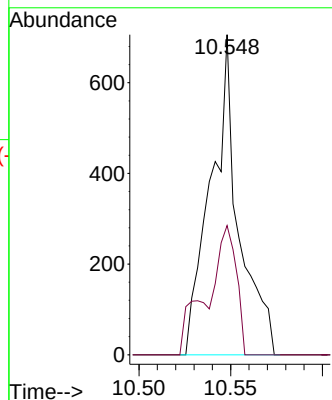
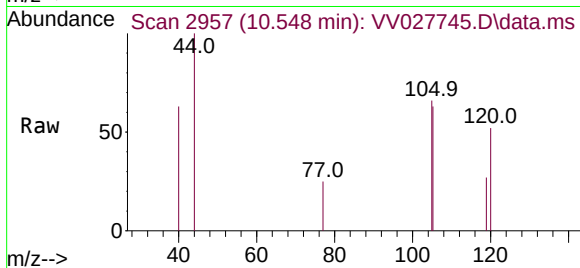
VIBLK287

Tgt Ion:105 Resp: 744

Ion Ratio Lower Upper

105 100

120 42.3 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.078 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.010 min

Lab File: VV027745.D

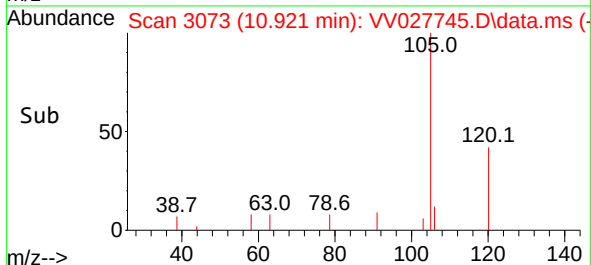
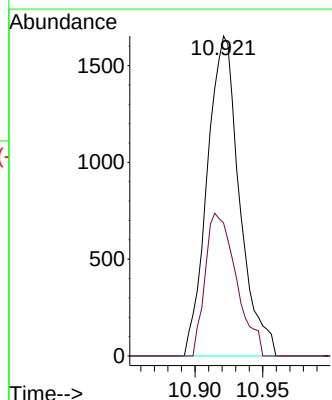
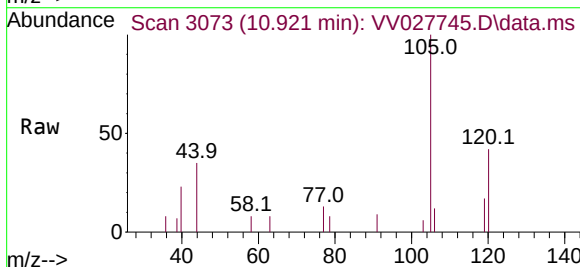
Acq: 06 Sep 2022 16:24

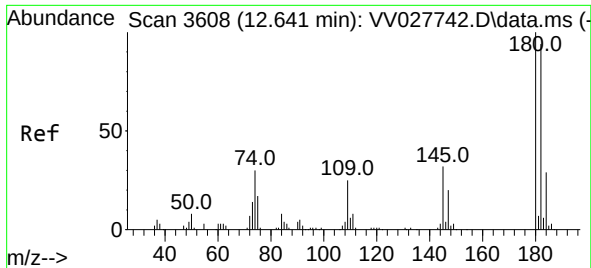
Tgt Ion:105 Resp: 2740

Ion Ratio Lower Upper

105 100

120 42.8 37.4 56.0

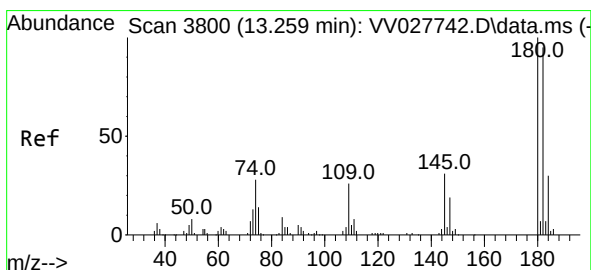
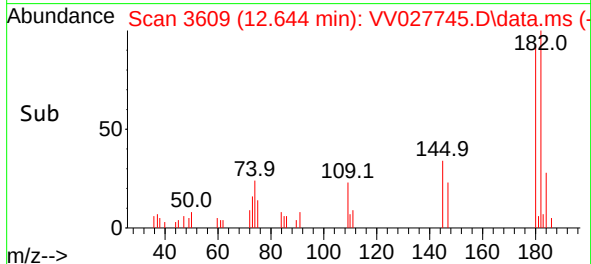
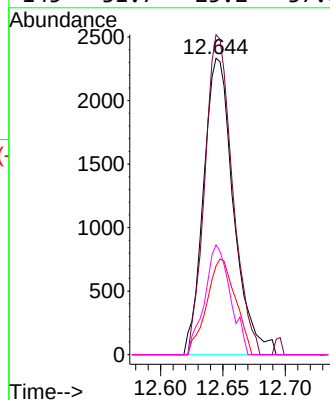
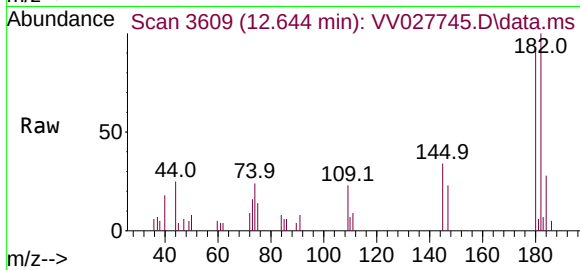




#69
 1,3,5-Trichlorobenzene
 Concen: 0.233 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VV027745.D
 Acq: 06 Sep 2022 16:24

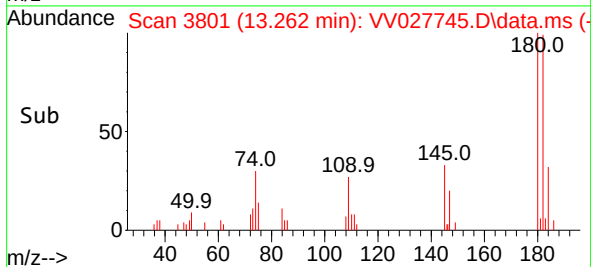
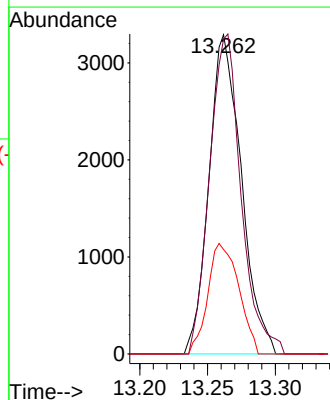
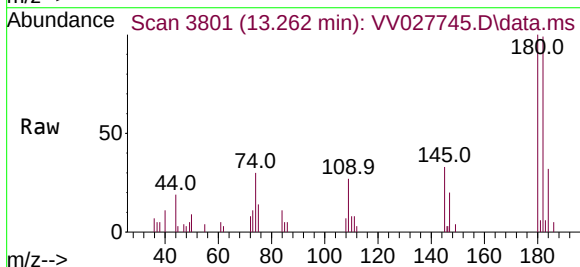
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK287

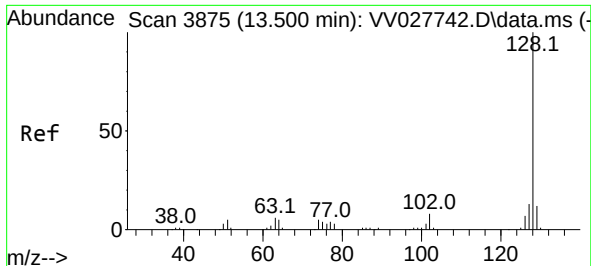
Tgt Ion:180	Resp:	3909
Ion	Ratio	Lower Upper
180	100	
182	99.6	75.8 113.8
184	30.9	23.8 35.6
145	31.7	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 0.412 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV027745.D
 Acq: 06 Sep 2022 16:24

Tgt Ion:180	Resp:	5467
Ion	Ratio	Lower Upper
180	100	
182	97.5	76.6 114.8
145	33.0	24.6 37.0

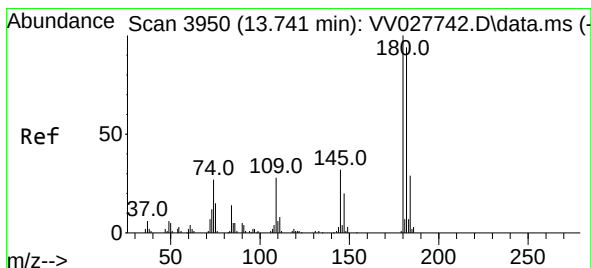
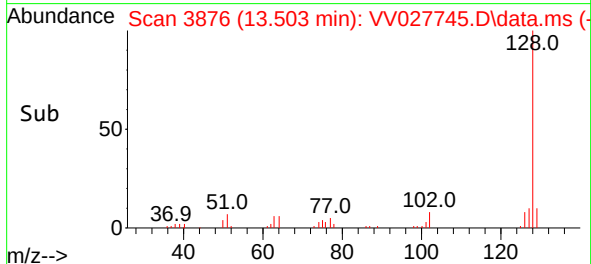
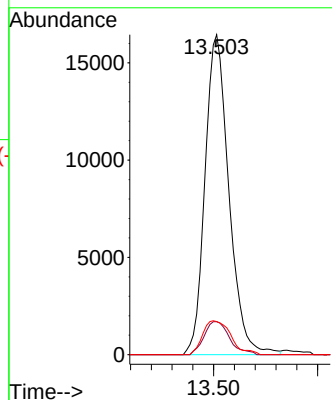
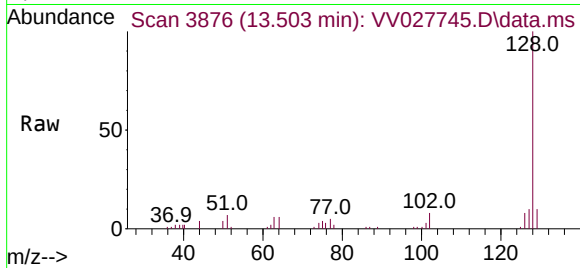




#71
Naphthalene
Concen: 1.260 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Instrument :
MSVOA_V
ClientSampleId :
VIBLK287

Tgt Ion:128	Resp:	26225
Ion Ratio	Lower	Upper
128	100	
129	11.0	9.2 13.8
127	12.5	10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 0.523 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV027745.D
Acq: 06 Sep 2022 16:24

Tgt Ion:180	Resp:	6172
Ion Ratio	Lower	Upper
180	100	
182	98.0	76.5 114.7
145	33.5	26.5 39.7

