

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102822\
 Data File : VW028768.D
 Acq On : 28 Oct 2022 20:11
 Operator : SY/MD
 Sample : N5320-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAB5

Quant Time: Oct 28 21:56:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 21:50:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	189715	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	175012	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	82215	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	39306	2.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.600%
7) Chloroethane-d5	1.565	69	45918	4.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.105	63	67955	2.663	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.200%#
20) 2-Butanone-d5	3.886	46	182319	60.599	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.200%
24) Chloroform-d	4.343	84	94469	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.031	65	54476	4.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.047	84	180050	3.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.066	67	69549	4.694	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.314	98	142187	3.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	7.622	79	15018	3.263	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.200%
46) 2-Hexanone-d5	8.085	63	125979	58.796	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.600%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	48971	4.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.616	152	52419	4.622	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	793	0.099	ug/L	96
3) Chloromethane	1.237	50	755	0.051	ug/L #	72
6) Bromomethane	1.520	94	833	0.117	ug/L	85
8) Chloroethane	1.584	64	39232	3.888	ug/L #	82
14) Carbon disulfide	2.294	76	3829	0.159	ug/L #	78
15) Methyl Acetate	2.529	43	74416	13.735	ug/L #	58
17) Methyl tert-butyl Ether	2.764	73	14384	0.526	ug/L #	1
18) trans-1,2-Dichloroethene	2.767	96	789	0.075	ug/L	93
27) 1,2-Dichloroethane	5.092	62	33449	2.298	ug/L #	79
30) Cyclohexane	4.671	56	17388	0.797	ug/L	95
33) Benzene	5.092	78	3685259	70.456	ug/L	100
35) Methylcyclohexane	6.130	83	13952	0.779	ug/L	96
37) 1,2-Dichloropropane	6.066	63	7947	0.595	ug/L	97
42) Toluene	7.391	91	13970	0.282	ug/L	92
44) trans-1,3-Dichloropropene	7.629	75	983	0.075	ug/L	90
51) Chlorobenzene	8.873	112	801823	25.675	ug/L	97
52) Ethylbenzene	9.011	91	19187	0.348	ug/L	99
53) m,p-Xylene	9.133	106	49642	2.494	ug/L	96
54) o-Xylene	9.542	106	9974	0.498	ug/L	89

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

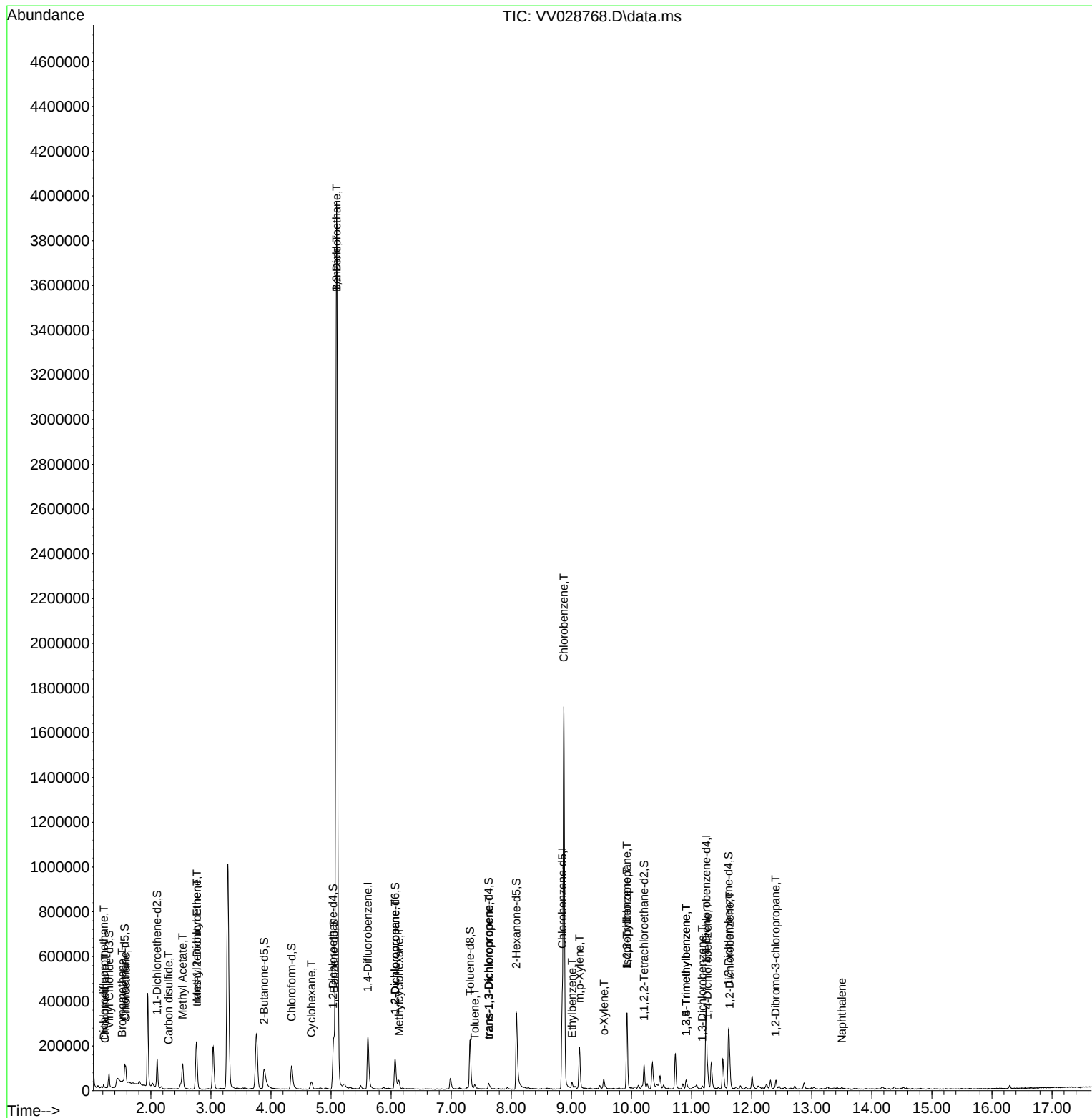
60) Isopropylbenzene	9.924	105	207736	4.015	ug/L	99
61) 1,2,3-Trichloropropane	9.924	75	2874	0.407	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.908	105	19134	1.268	ug/L	88
63) 1,2,4-Trimethylbenzene	10.908	105	19134	0.458	ug/L	92
64) 1,3-Dichlorobenzene	11.178	146	3522	0.158	ug/L	93
65) 1,4-Dichlorobenzene	11.265	146	29171	1.312	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	36279	1.780	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.400	75	334	0.230	ug/L #	9
71) Naphthalene	13.503	128	4334	0.196	ug/L #	94

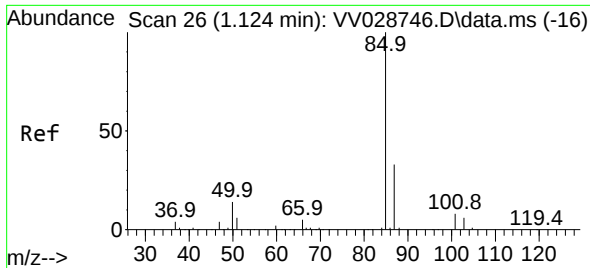
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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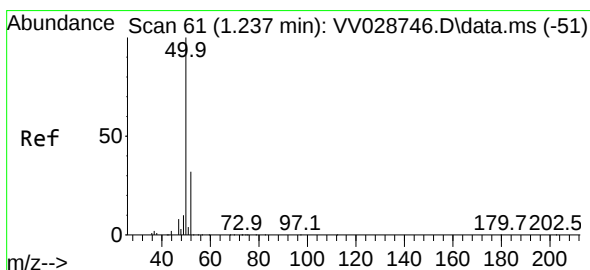
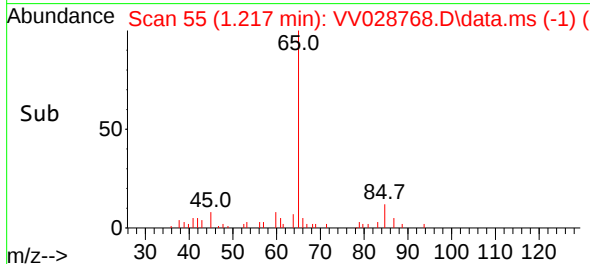
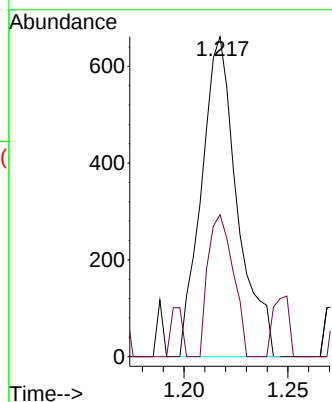
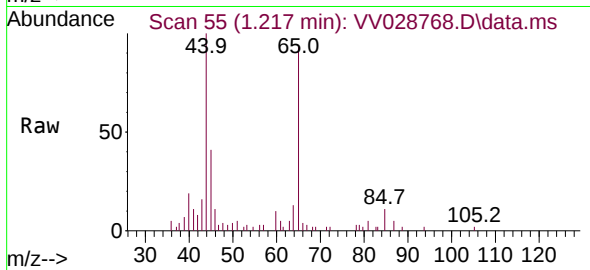




#2
 Dichlorodifluoromethane
 Concen: 0.099 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.093 min
 Lab File: VV028768.D
 Acq: 28 Oct 2022 20:11

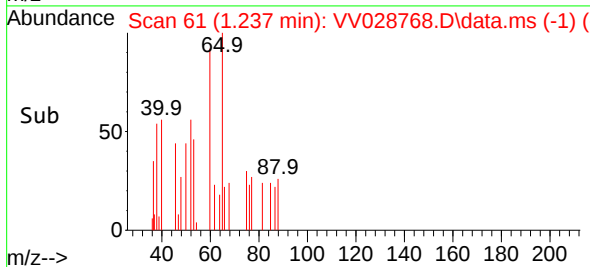
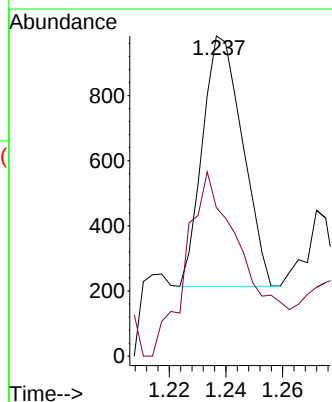
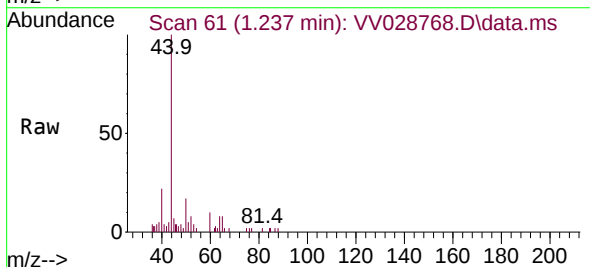
Instrument :
 MSVOA_V
 ClientSampleId :
 BHAB5

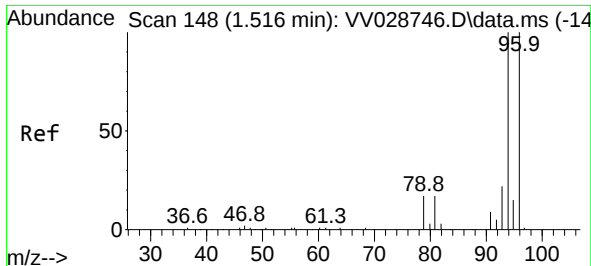
Tgt Ion: 85 Resp: 793
 Ion Ratio Lower Upper
 85 100
 87 31.0 26.6 40.0



#3
 Chloromethane
 Concen: 0.051 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028768.D
 Acq: 28 Oct 2022 20:11

Tgt Ion: 50 Resp: 755
 Ion Ratio Lower Upper
 50 100
 52 46.4 21.8 40.6#

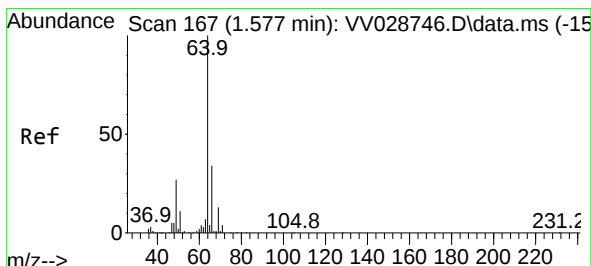
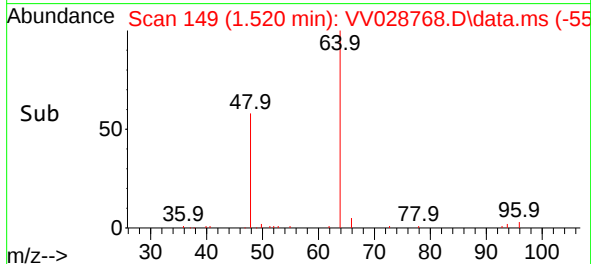
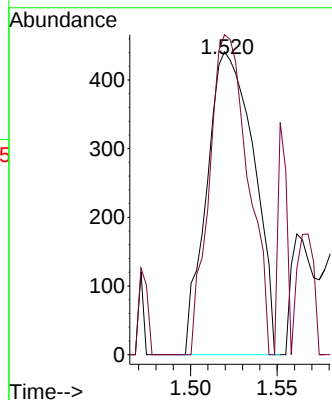
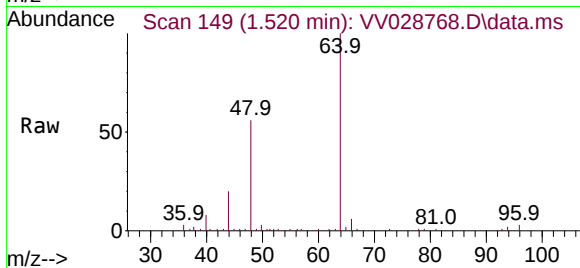




#6
Bromomethane
Concen: 0.117 ug/L
RT: 1.520 min Scan# 148
Delta R.T. 0.003 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

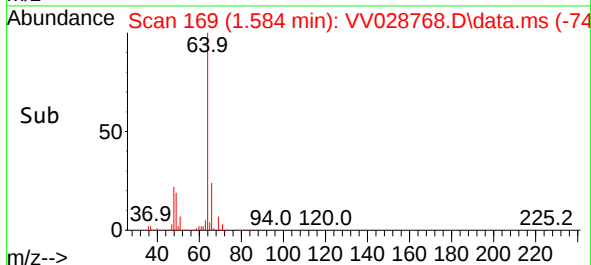
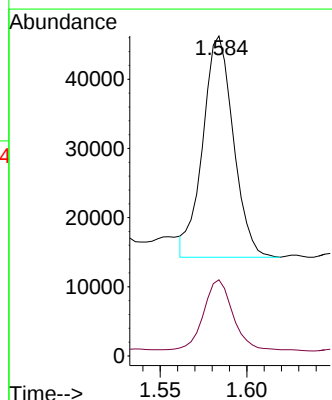
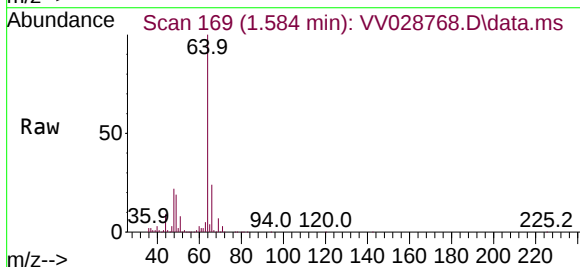
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

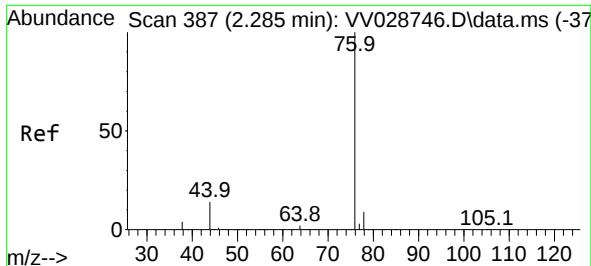
Tgt Ion: 94 Resp: 833
Ion Ratio Lower Upper
94 100
96 105.7 64.3 119.3



#8
Chloroethane
Concen: 3.888 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.006 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 64 Resp: 39232
Ion Ratio Lower Upper
64 100
66 23.8 23.9 44.5#

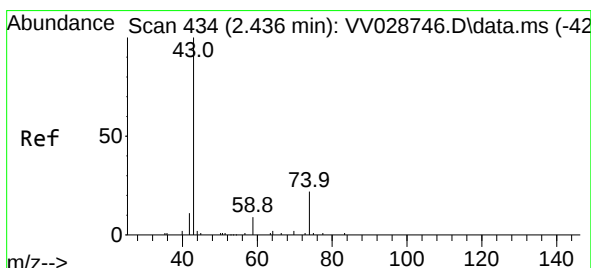
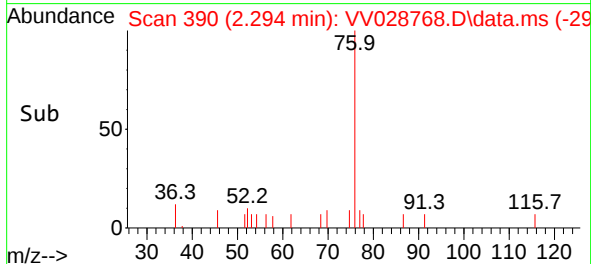
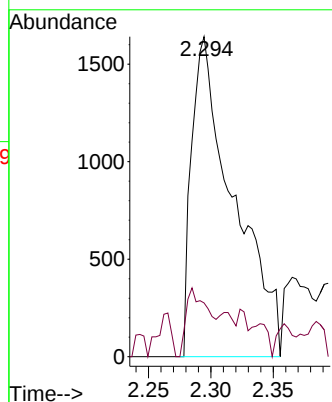
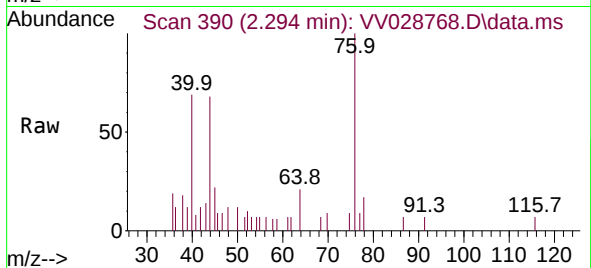




#14
Carbon disulfide
Concen: 0.159 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.010 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

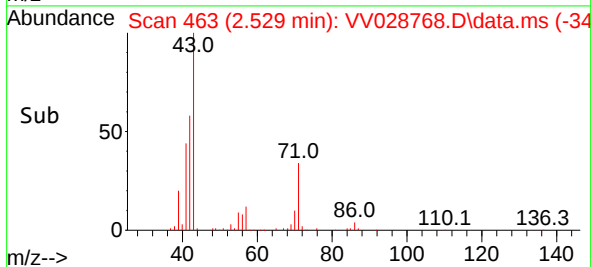
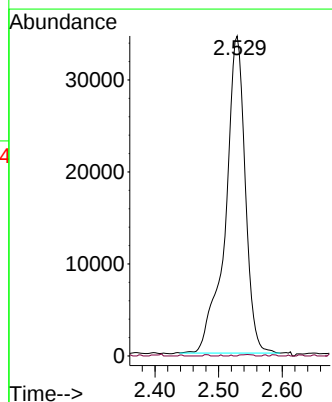
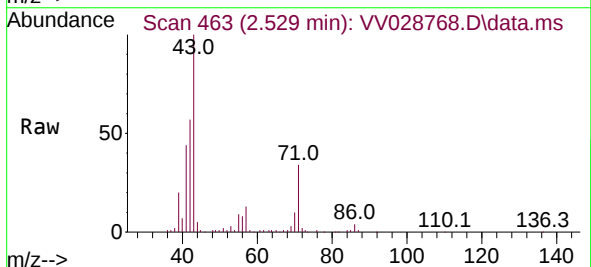
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

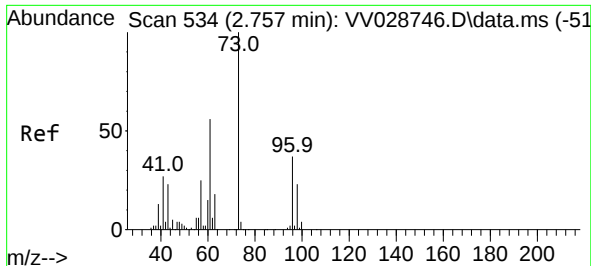
Tgt Ion: 76 Resp: 3829
Ion Ratio Lower Upper
76 100
78 16.8 7.1 10.7#



#15
Methyl Acetate
Concen: 13.735 ug/L
RT: 2.529 min Scan# 463
Delta R.T. 0.093 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 43 Resp: 74416
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#





#17

Methyl tert-butyl Ether

Concen: 0.526 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

BHAB5

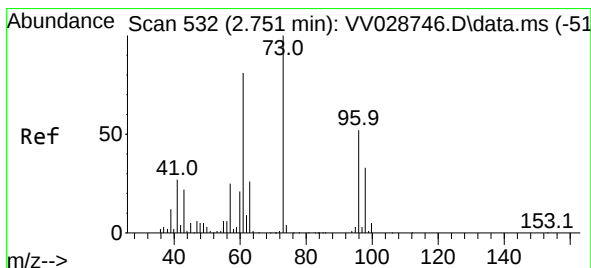
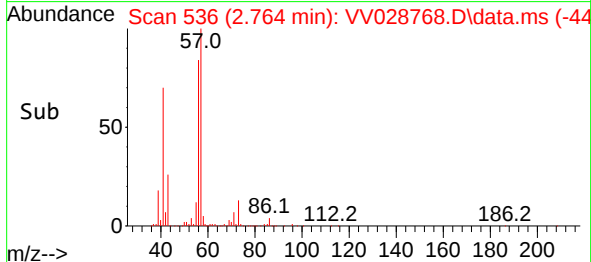
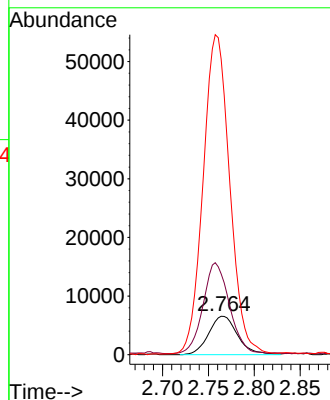
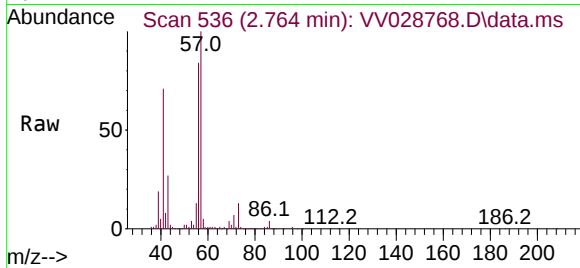
Tgt Ion: 73 Resp: 14384

Ion Ratio Lower Upper

73 100

43 214.6 18.0 27.0#

57 762.4 20.0 30.0#



#18

trans-1,2-Dichloroethene

Concen: 0.075 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.016 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

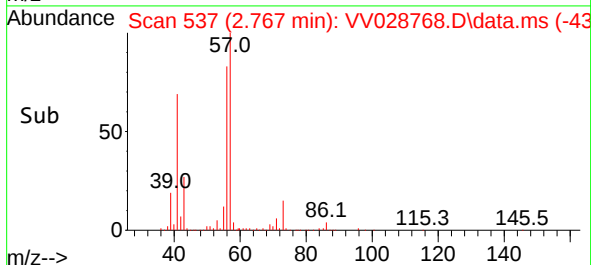
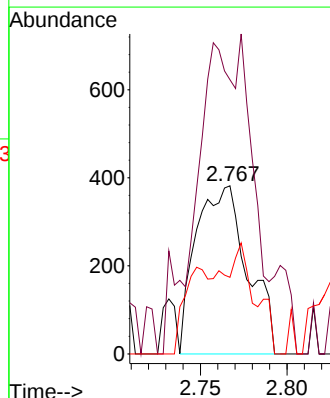
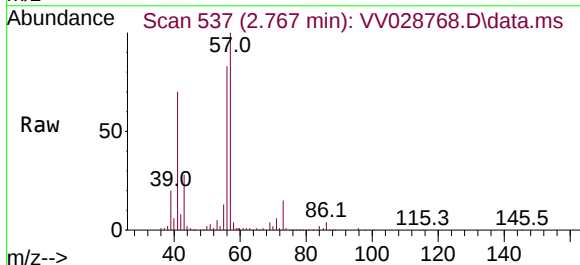
Tgt Ion: 96 Resp: 789

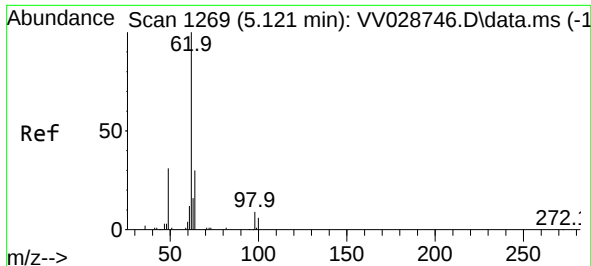
Ion Ratio Lower Upper

96 100

61 163.1 114.3 212.3

98 45.5 45.0 83.6





#27

1,2-Dichloroethane

Concen: 2.298 ug/L

RT: 5.092 min Scan# 1129

Delta R.T. -0.029 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

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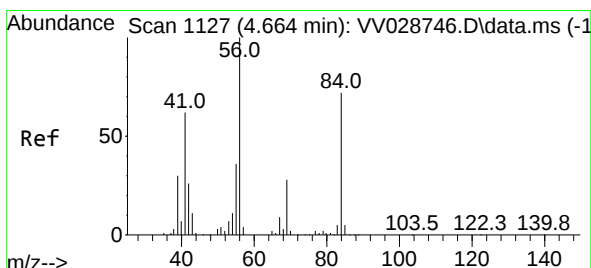
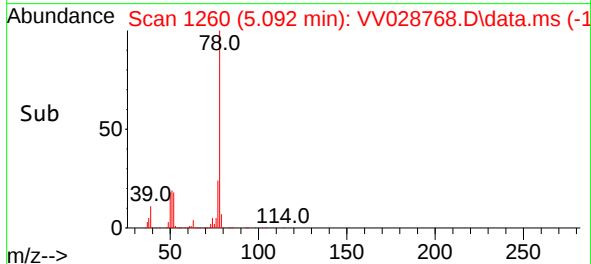
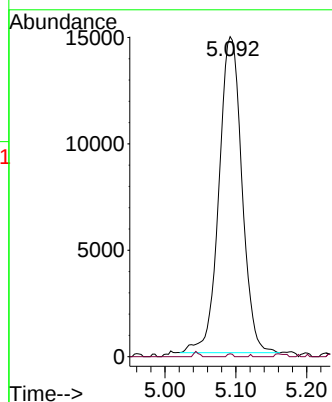
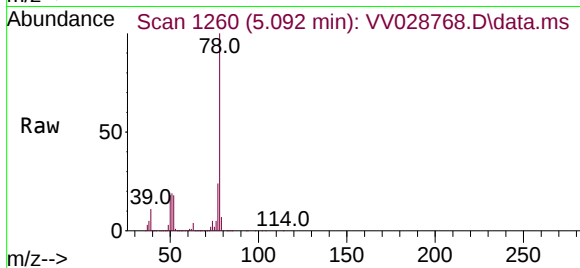
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Tgt Ion: 62 Resp: 33449

Ion Ratio Lower Upper

62 100

98 0.9 6.6 9.8#



#30

Cyclohexane

Concen: 0.797 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

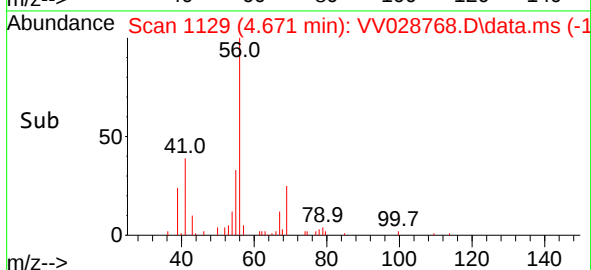
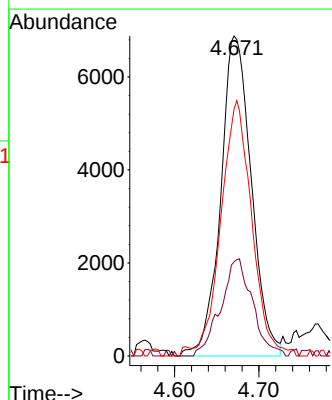
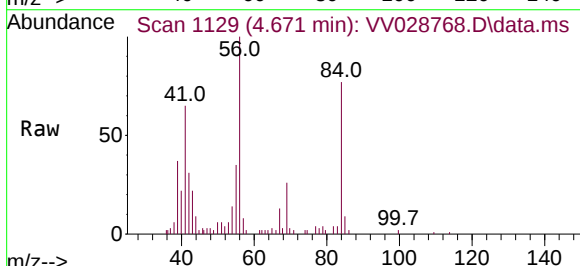
Tgt Ion: 56 Resp: 17388

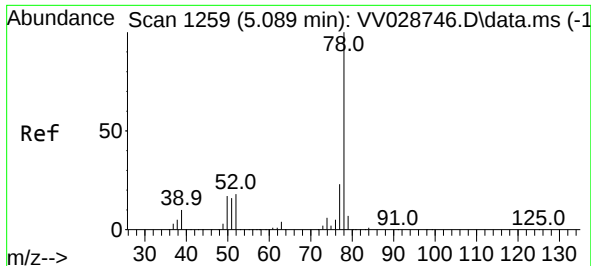
Ion Ratio Lower Upper

56 100

69 31.4 22.6 34.0

84 79.7 60.4 90.6

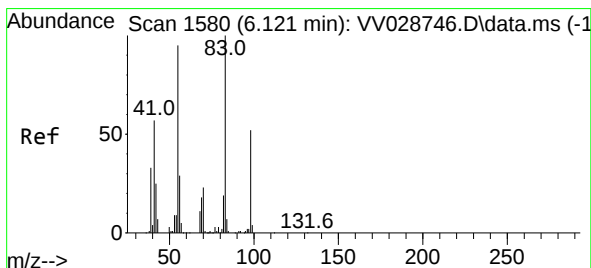
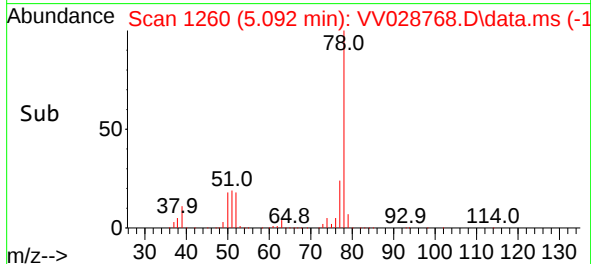
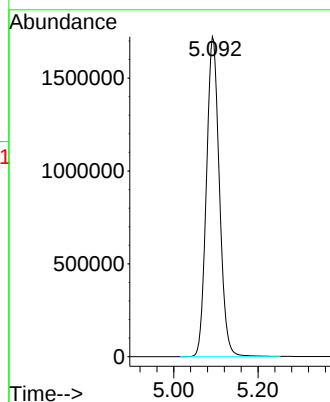
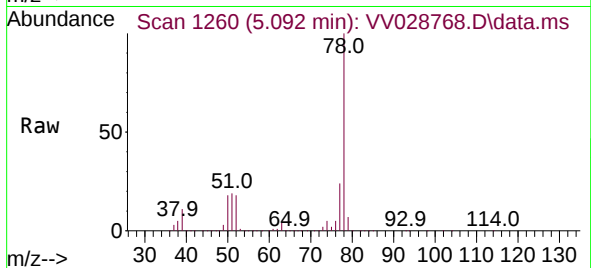




#33
Benzene
Concen: 70.456 ug/L
RT: 5.092 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

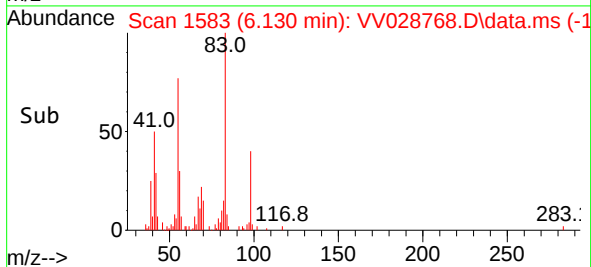
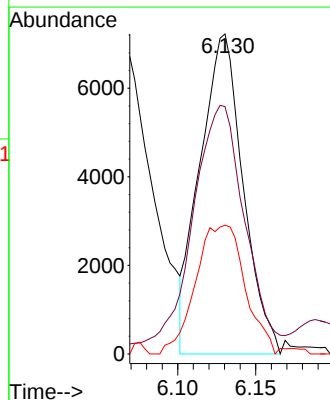
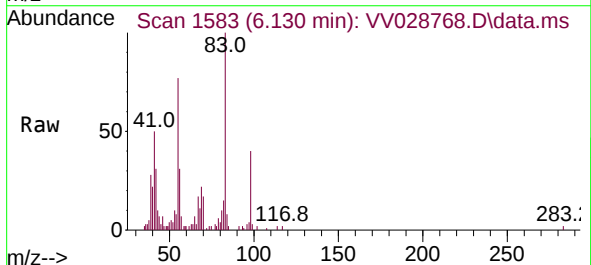
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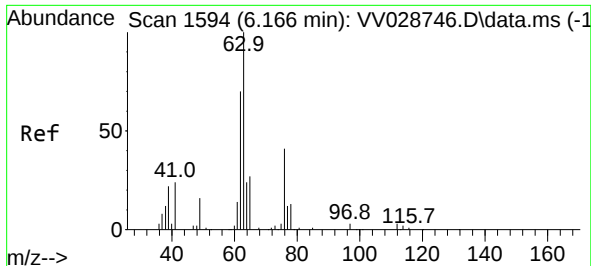
Tgt Ion: 78 Resp: 3685259



#35
Methylcyclohexane
Concen: 0.779 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.010 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 83 Resp: 13952
Ion Ratio Lower Upper
83 100
55 91.3 70.0 105.0
98 46.2 35.6 53.4

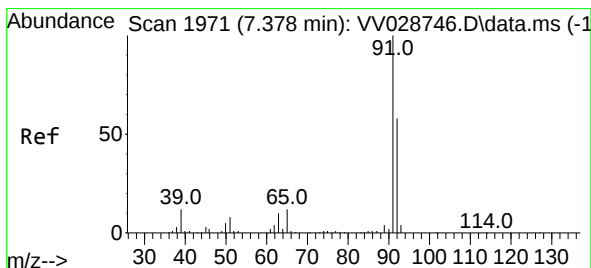
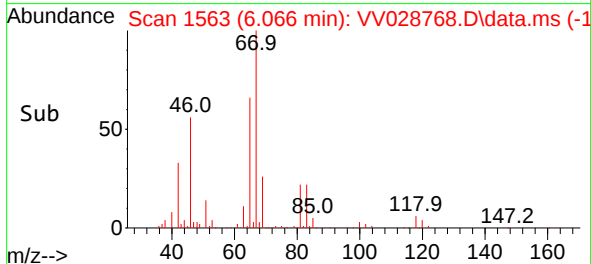
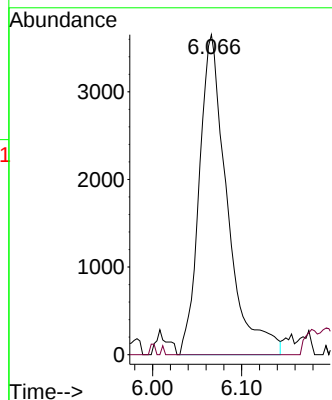
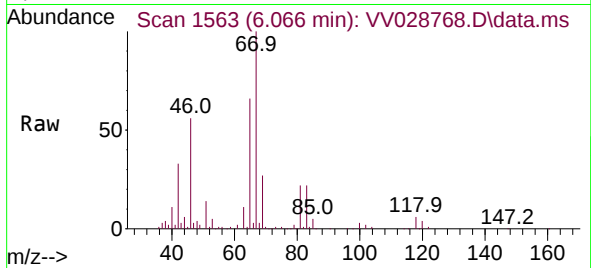




#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

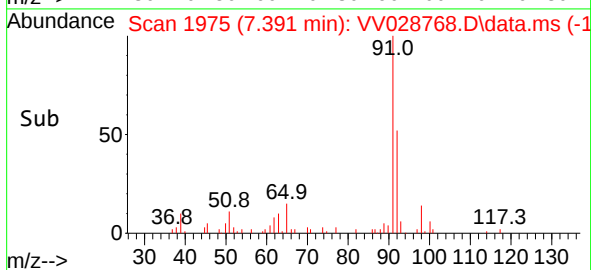
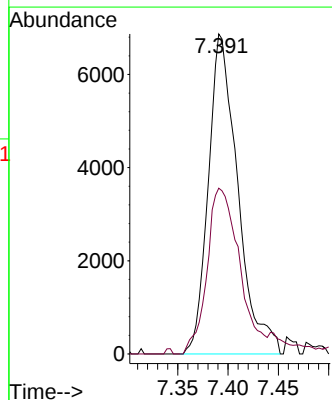
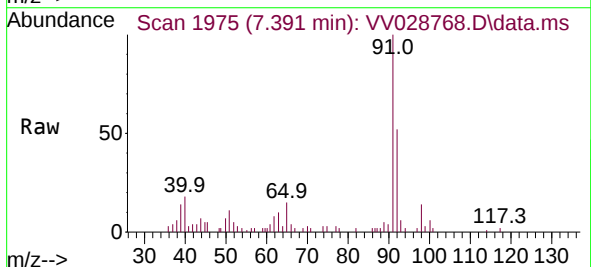
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

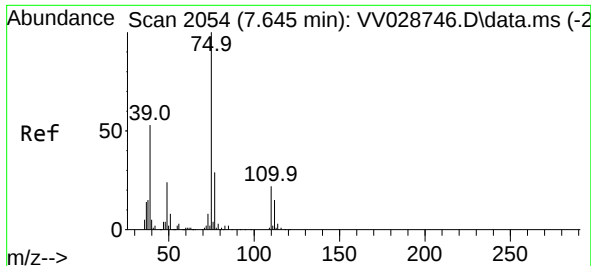
Tgt Ion: 63 Resp: 7947
Ion Ratio Lower Upper
63 100
112 3.4 3.4 5.2



#42
Toluene
Concen: 0.282 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.013 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 91 Resp: 13970
Ion Ratio Lower Upper
91 100
92 51.8 40.5 75.3

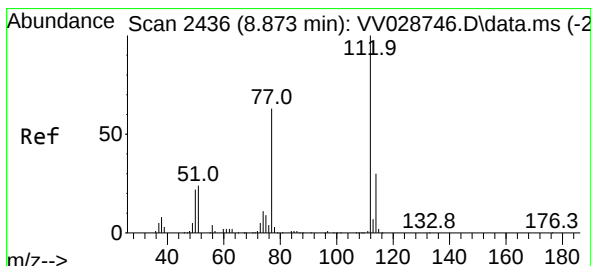
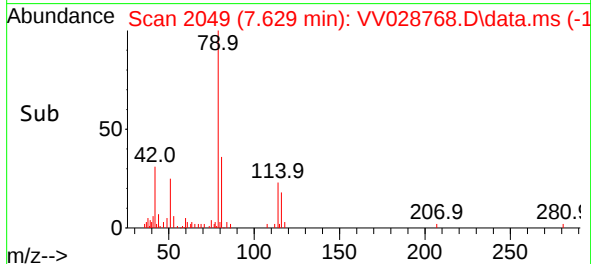
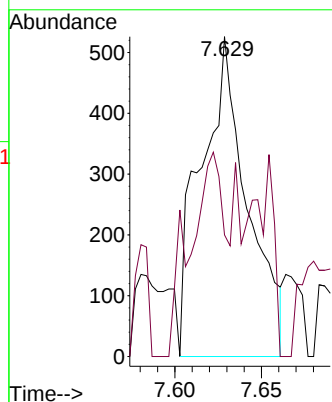
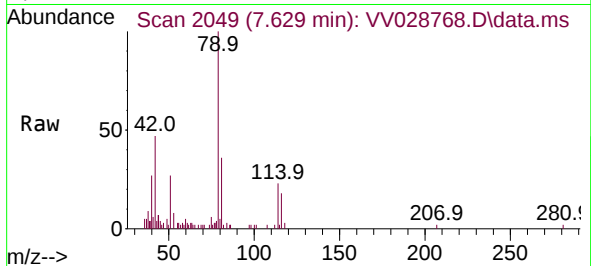




#44
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.629 min Scan# 2054
Delta R.T. -0.016 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

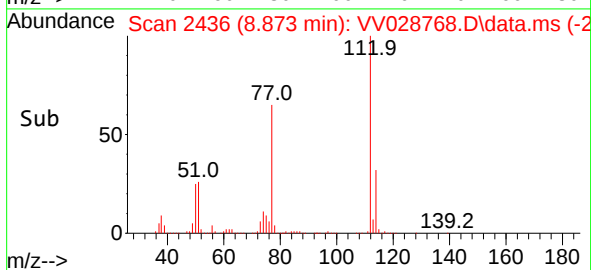
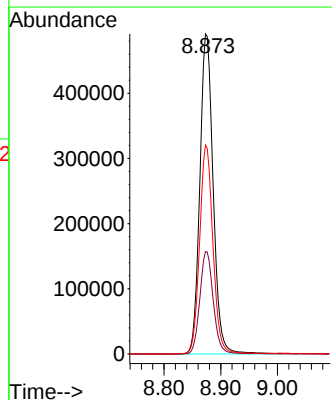
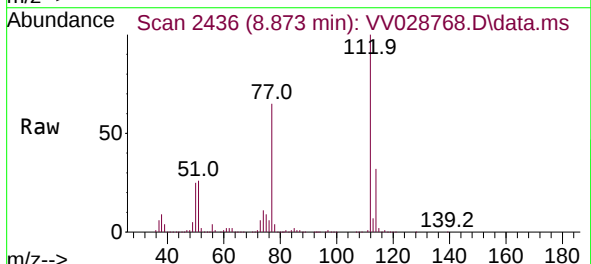
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

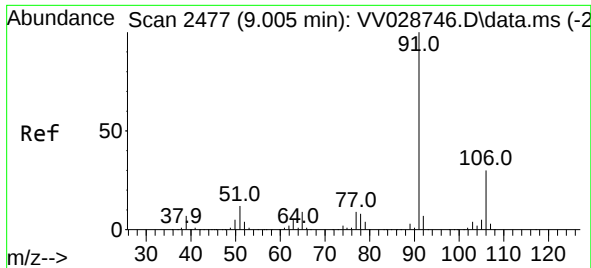
Tgt Ion: 75 Resp: 983
Ion Ratio Lower Upper
75 100
77 38.0 22.6 42.0



#51
Chlorobenzene
Concen: 25.675 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 112 Resp: 801823
Ion Ratio Lower Upper
112 100
114 32.0 22.0 41.0
77 65.3 50.0 75.0

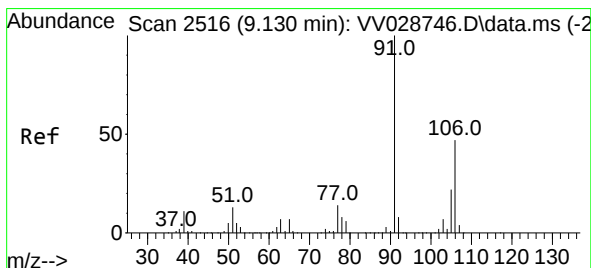
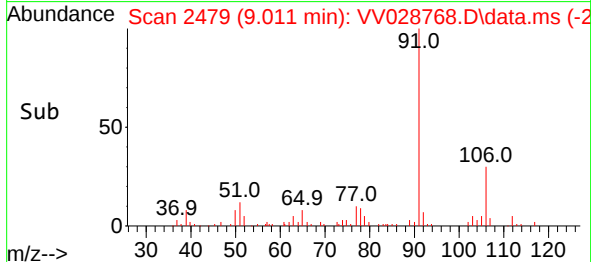
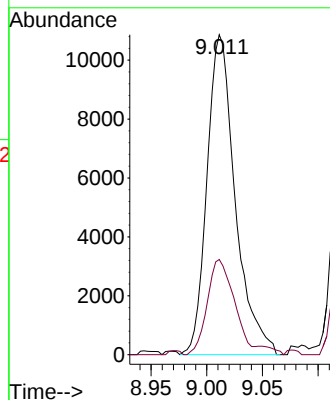
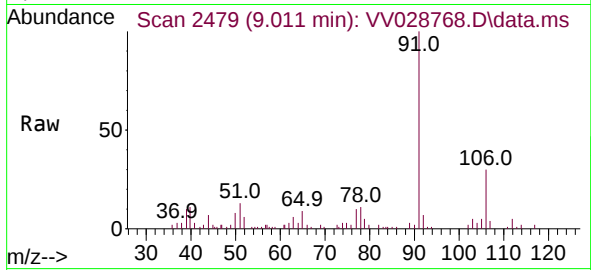




#52
Ethylbenzene
Concen: 0.348 ug/L
RT: 9.011 min Scan# 2477
Delta R.T. 0.006 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

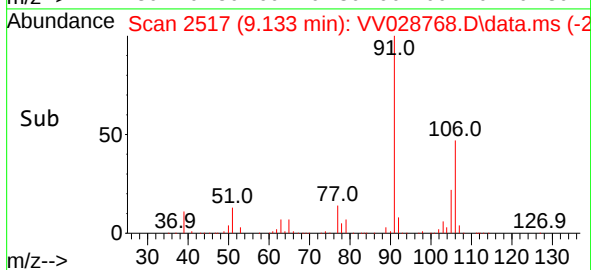
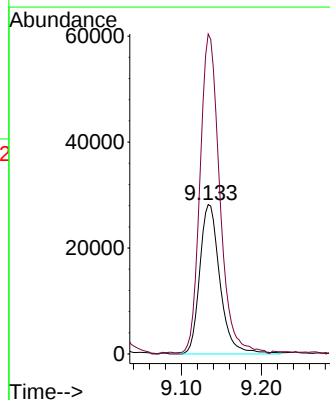
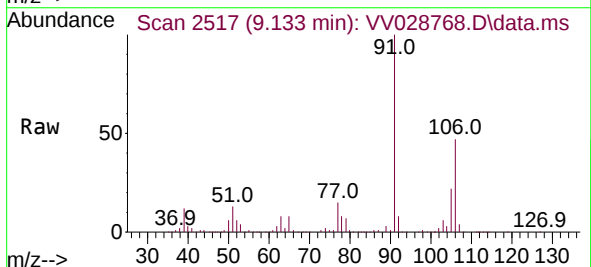
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

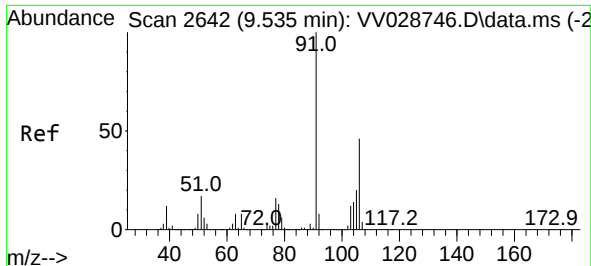
Tgt Ion: 91 Resp: 19187
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.6



#53
m,p-Xylene
Concen: 2.494 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 106 Resp: 49642
Ion Ratio Lower Upper
106 100
91 214.1 145.5 270.1

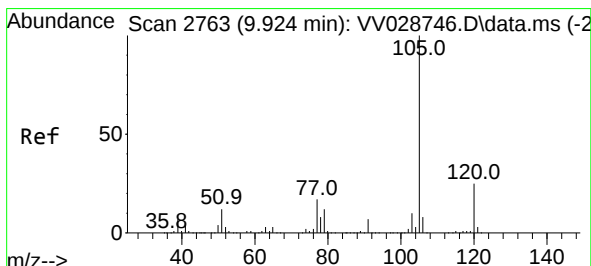
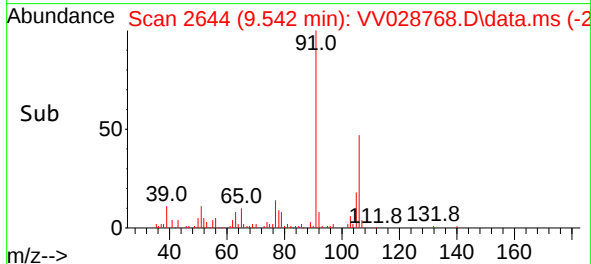
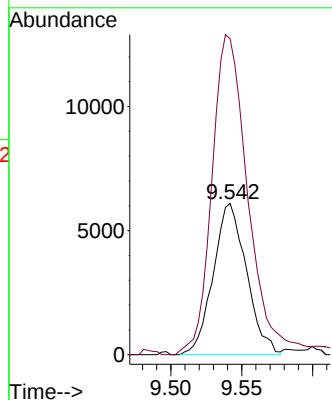
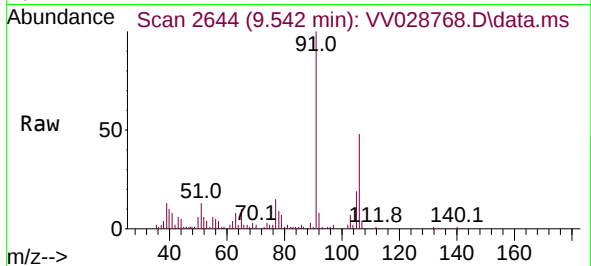




#54
o-Xylene
Concen: 0.498 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.006 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

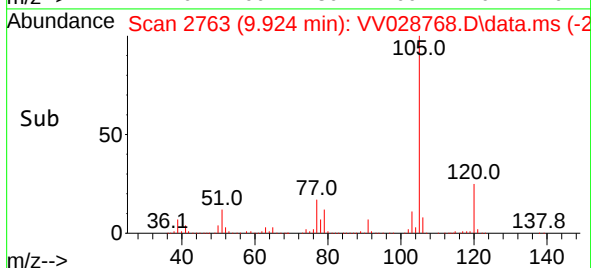
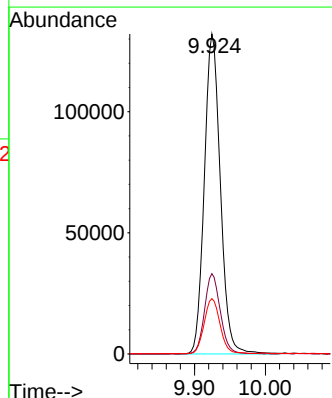
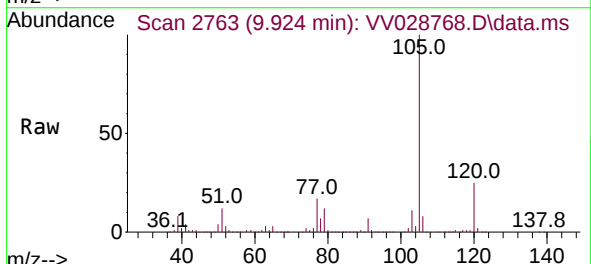
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

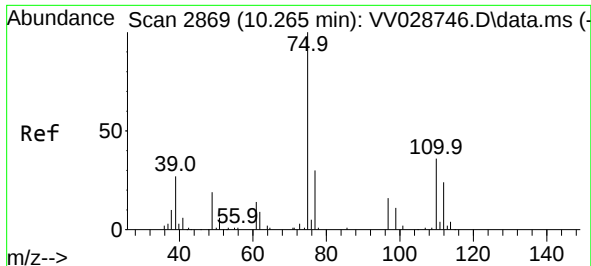
Tgt Ion:106 Resp: 9974
Ion Ratio Lower Upper
106 100
91 208.8 159.0 295.4



#60
Isopropylbenzene
Concen: 4.015 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion:105 Resp: 207736
Ion Ratio Lower Upper
105 100
120 24.6 20.1 30.1
77 16.9 13.4 20.0

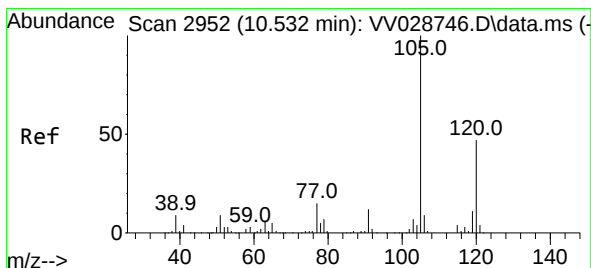
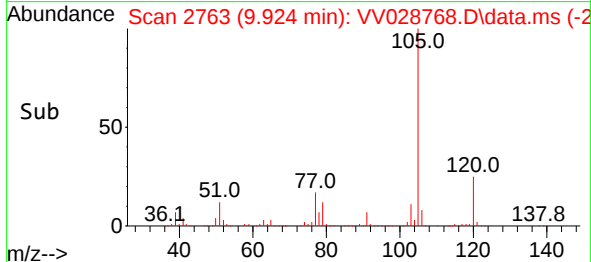
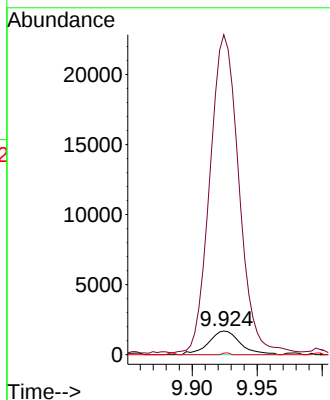
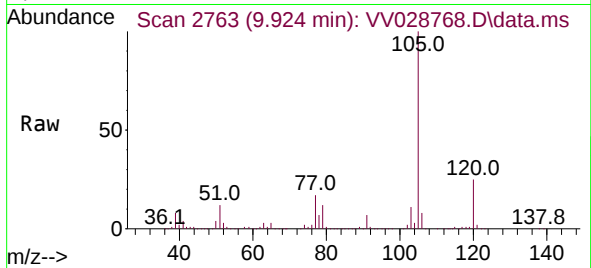




#61
1,2,3-Trichloropropane
Concen: 0.407 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.341 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

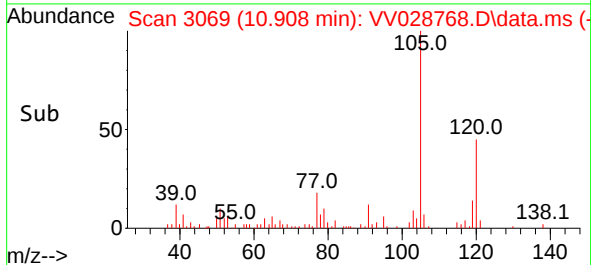
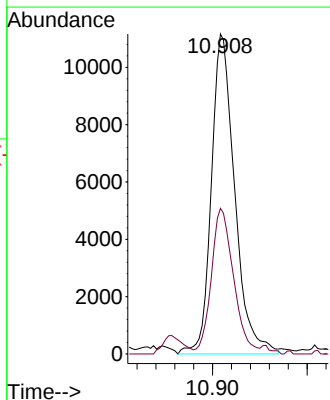
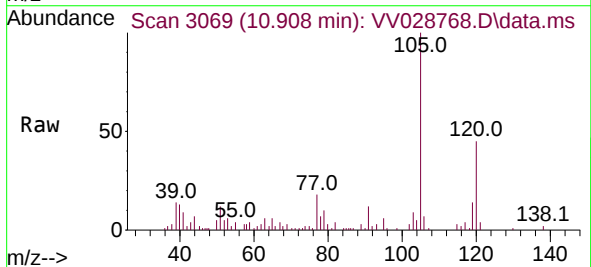
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

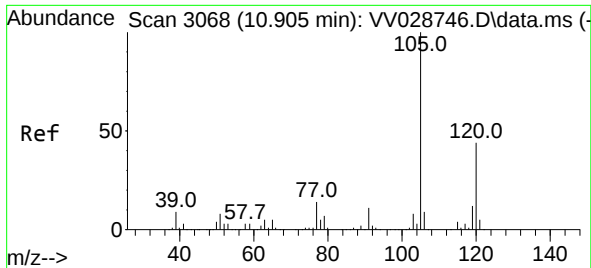
Tgt Ion: 75 Resp: 2874
Ion Ratio Lower Upper
75 100
77 1222.1 25.2 37.8#
110 3.4 27.9 41.9#



#62
1,3,5-Trimethylbenzene
Concen: 1.268 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.376 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion:105 Resp: 19134
Ion Ratio Lower Upper
105 100
120 40.0 38.3 57.5

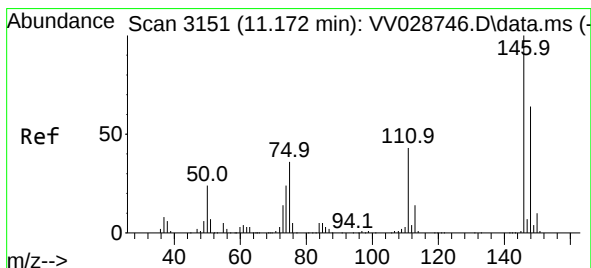
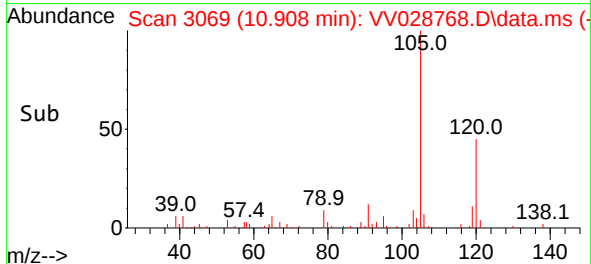
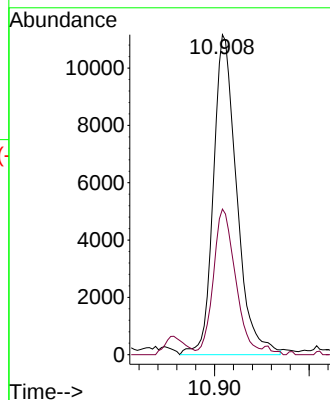
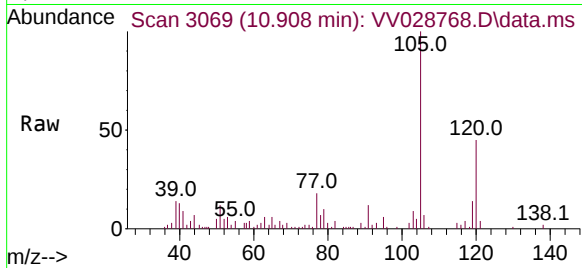




#63
1,2,4-Trimethylbenzene
Concen: 0.458 ug/L
RT: 10.908 min Scan# 3068
Delta R.T. 0.003 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

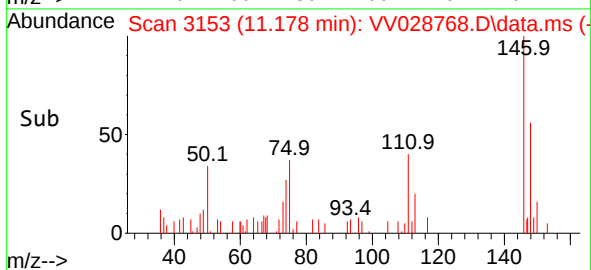
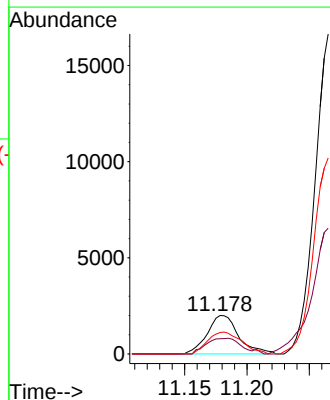
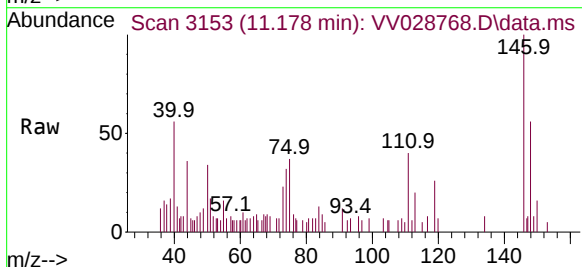
Instrument :
MSVOA_V
ClientSampleId :
BHAB5

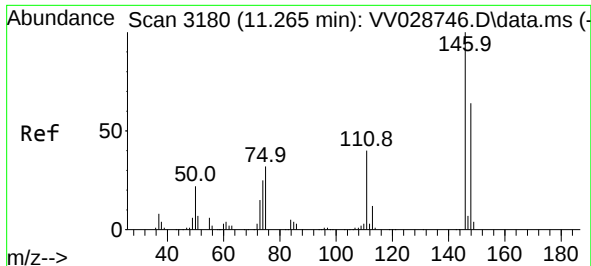
Tgt Ion:105 Resp: 19134
Ion Ratio Lower Upper
105 100
120 40.0 36.2 54.2



#64
1,3-Dichlorobenzene
Concen: 0.158 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.006 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion:146 Resp: 3522
Ion Ratio Lower Upper
146 100
111 39.6 29.0 53.9
148 55.7 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 1.312 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. -0.000 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

Instrument :

MSVOA_V

ClientSampleId :

BHAB5

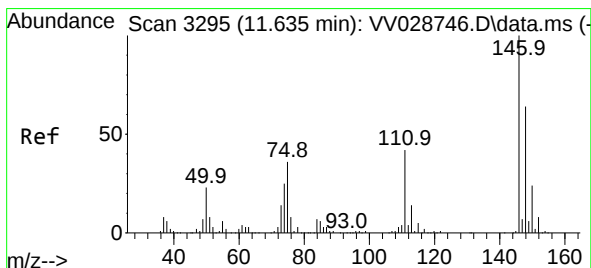
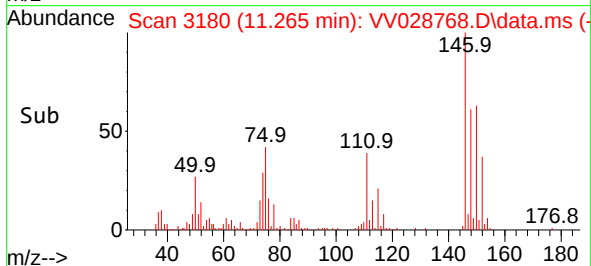
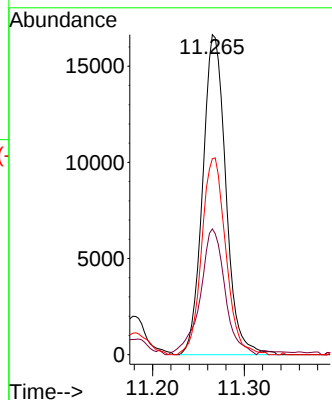
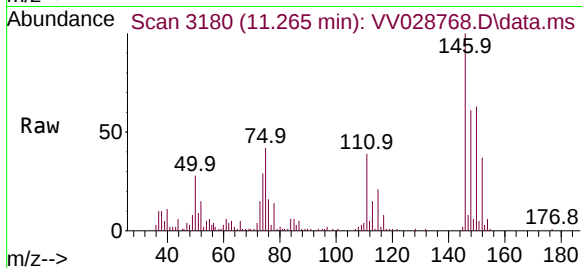
Tgt Ion:146 Resp: 29171

Ion Ratio Lower Upper

146 100

111 39.3 28.6 53.2

148 61.3 44.3 82.3



#67

1,2-Dichlorobenzene

Concen: 1.780 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. -0.000 min

Lab File: VV028768.D

Acq: 28 Oct 2022 20:11

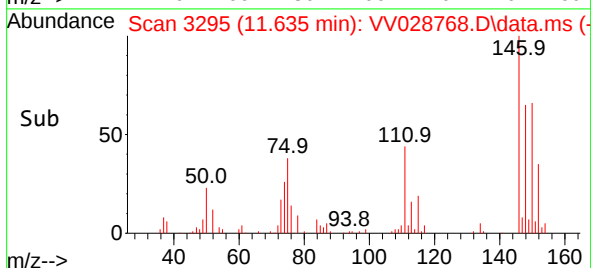
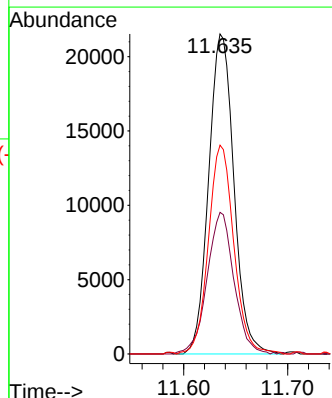
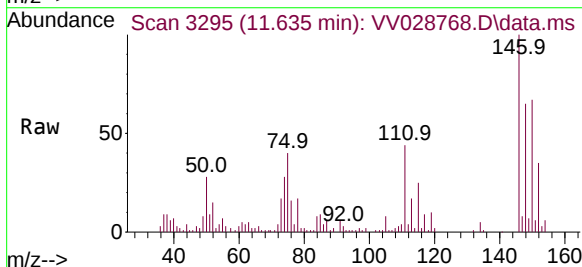
Tgt Ion:146 Resp: 36279

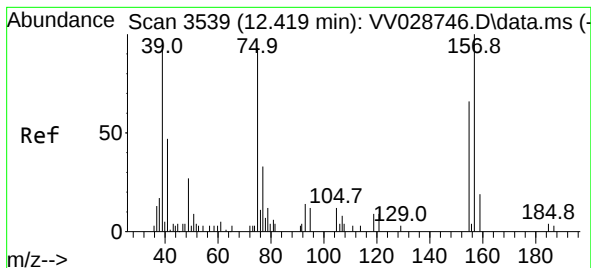
Ion Ratio Lower Upper

146 100

111 44.3 36.2 54.4

148 65.3 50.6 75.8

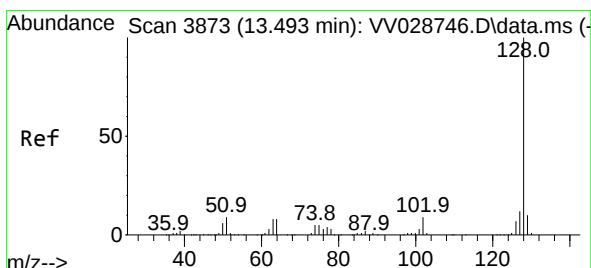
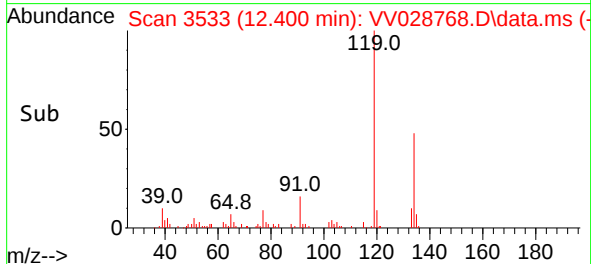
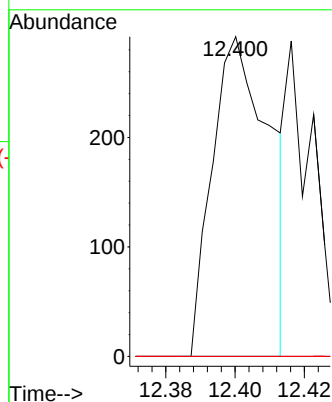
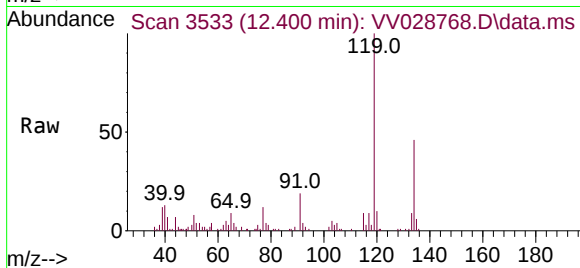




#68
1,2-Dibromo-3-chloropropane
Concen: 0.230 ug/L
RT: 12.400 min Scan# 3533
Delta R.T. -0.019 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Instrument :
MSVOA_V
ClientSampleId :
BHAB5

Tgt Ion: 75 Resp: 334
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 71.5 107.3#



#71
Naphthalene
Concen: 0.196 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.010 min
Lab File: VV028768.D
Acq: 28 Oct 2022 20:11

Tgt Ion: 128 Resp: 4334
Ion Ratio Lower Upper
128 100
129 14.0 8.9 13.3#
127 14.7 10.2 15.4

