

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW093022\
 Data File : VW028232.D
 Acq On : 30 Sep 2022 17:22
 Operator : SY/MD
 Sample : N4873-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ50

Quant Time: Sep 30 23:00:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	92140	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	93893	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	44484	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	39682	4.154	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.561	69	34954	4.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.098	63	57988	3.500	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	3.889	46	109592	67.956	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.920%#
24) Chloroform-d	4.339	84	68536	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.027	65	39462	5.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.043	84	137417	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.063	67	42390	4.417	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.310	98	116445	4.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.622	79	14987	4.323	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.085	63	94915	65.595	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.200%#
56) 1,1,2,2-Tetrachloroeth...	10.214	84	40164	6.122	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.400%#
66) 1,2-Dichlorobenzene-d4	11.622	152	46892	5.374	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	711	0.078	ug/L	100
5) Vinyl chloride	1.307	62	1434	0.201	ug/L #	1
6) Bromomethane	1.513	94	775	0.167	ug/L #	57
8) Chloroethane	1.388	64	203206	42.411	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	700	0.107	ug/L #	27
12) 1,1-Dichloroethene	2.101	96	625	0.098	ug/L #	1
13) Acetone	2.175	43	5251	4.227	ug/L	95
14) Carbon disulfide	2.291	76	2362	0.193	ug/L #	74
16) Methylene chloride	2.503	84	1534	0.216	ug/L #	73
22) cis-1,2-Dichloroethene	3.902	96	646	0.088	ug/L	90
27) 1,2-Dichloroethane	5.047	62	681	0.098	ug/L #	76
35) Methylcyclohexane	6.063	83	10955	1.231	ug/L #	17
44) trans-1,3-Dichloropropene	7.622	75	601	0.077	ug/L	86
47) Tetrachloroethene	7.982	164	381	0.074	ug/L #	72
49) Dibromochloromethane	7.979	129	249	0.042	ug/L #	11
52) Ethylbenzene	9.017	91	1923	0.067	ug/L	88
61) 1,2,3-Trichloropropane	11.246	75	4157	1.114	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.548	105	328	0.045	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.246	75	136	0.166	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 29 01:25:35 2022
Response via : Initial Calibration

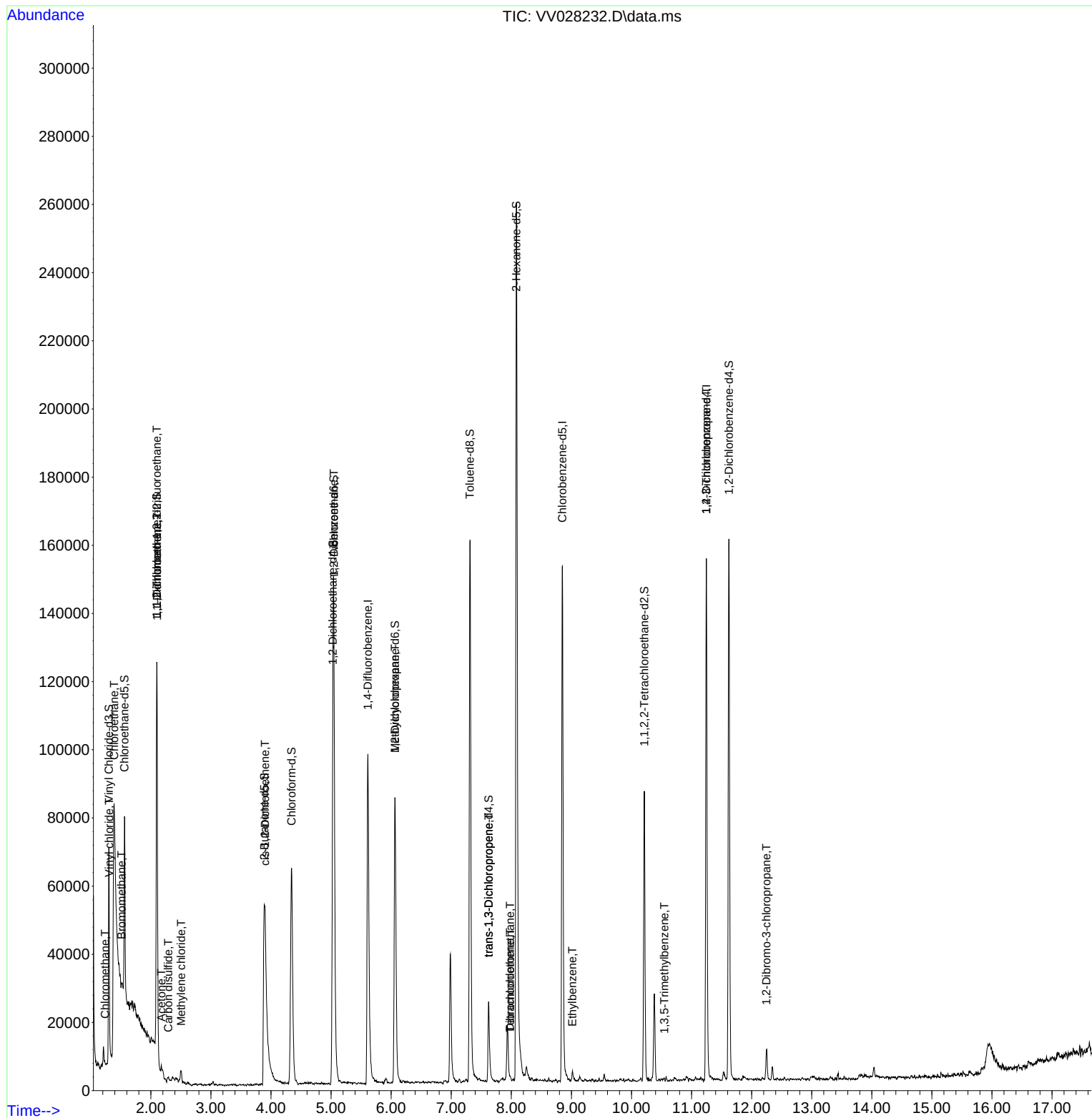
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

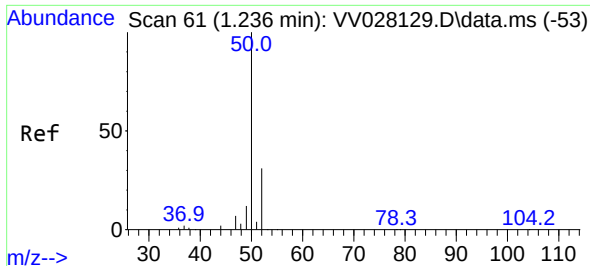
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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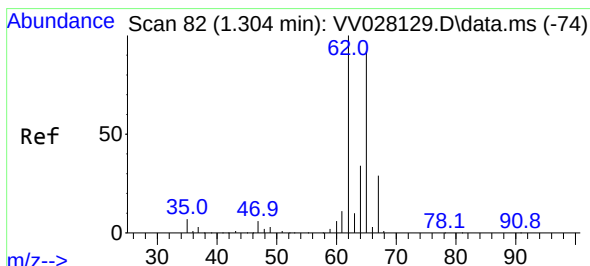
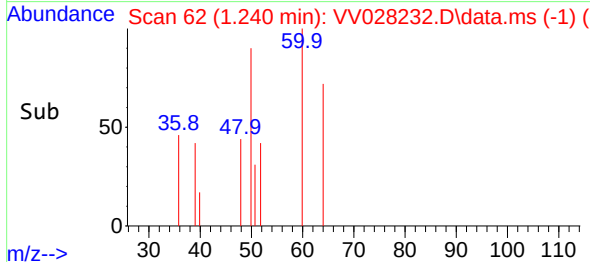
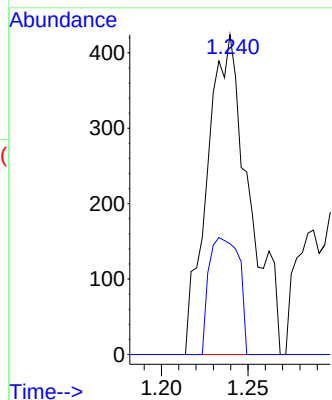
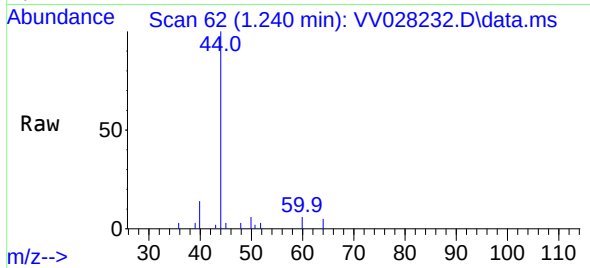




#3
Chloromethane
Concen: 0.078 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

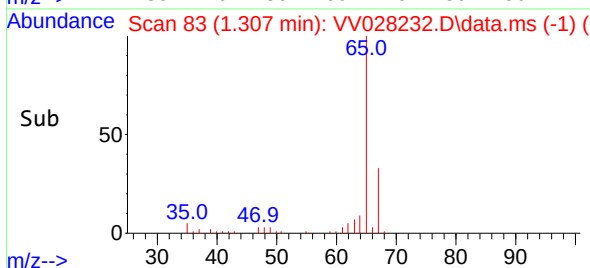
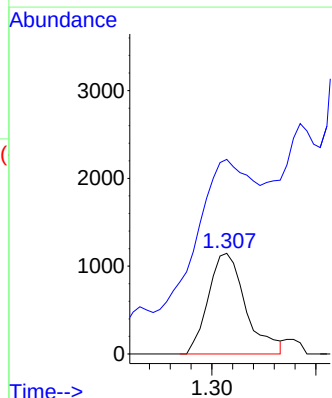
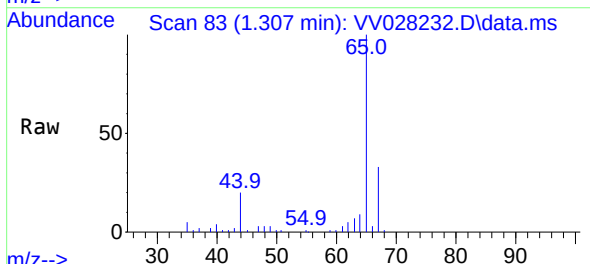
Instrument :
MSVOA_V
ClientSampleId :
EXZ50

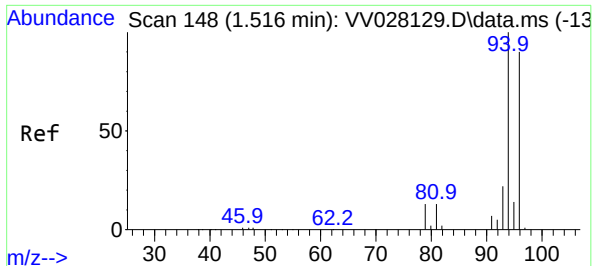
Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 34.7 24.4 45.2



#5
Vinyl chloride
Concen: 0.201 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion: 62 Resp: 1434
Ion Ratio Lower Upper
62 100
64 193.3 23.0 42.8#

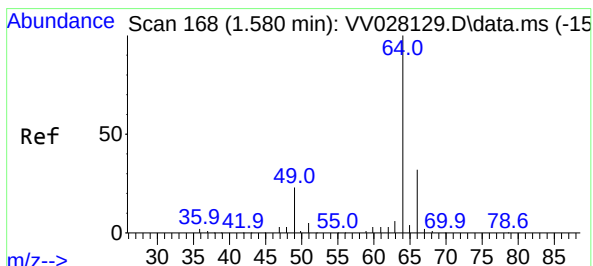
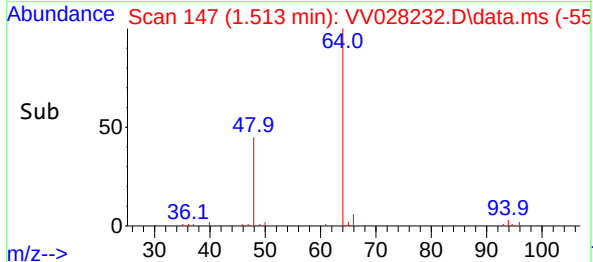
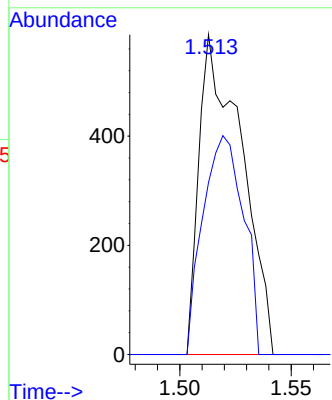
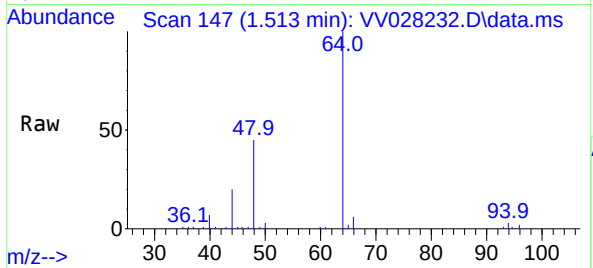




#6
Bromomethane
Concen: 0.167 ug/L
RT: 1.513 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

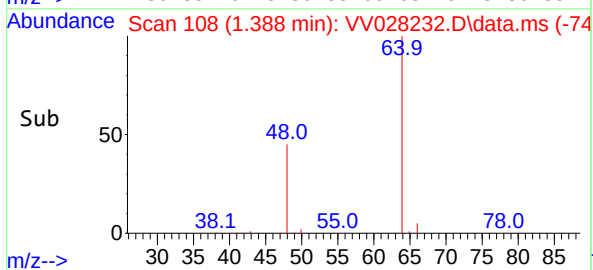
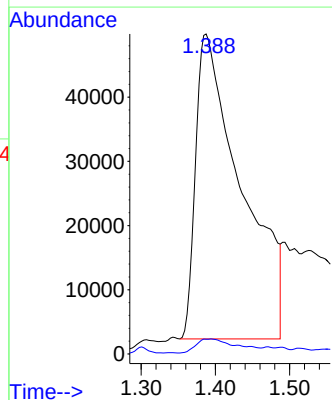
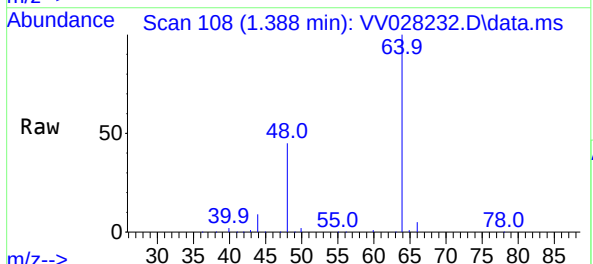
Instrument :
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ClientSampleId :
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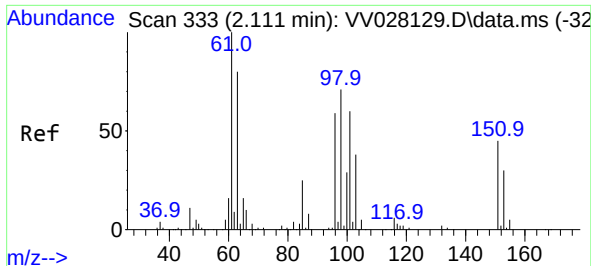
Tgt Ion: 94 Resp: 775
Ion Ratio Lower Upper
94 100
96 53.8 66.7 123.9#



#8
Chloroethane
Concen: 42.411 ug/L
RT: 1.388 min Scan# 108
Delta R.T. -0.190 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion: 64 Resp: 203206
Ion Ratio Lower Upper
64 100
66 4.6 23.0 42.8#

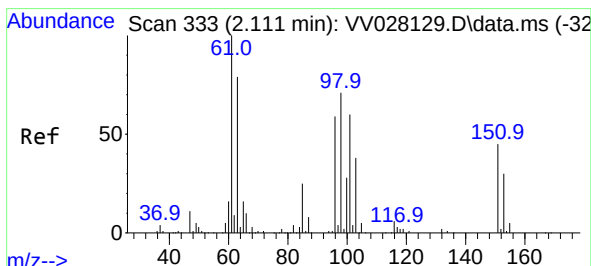
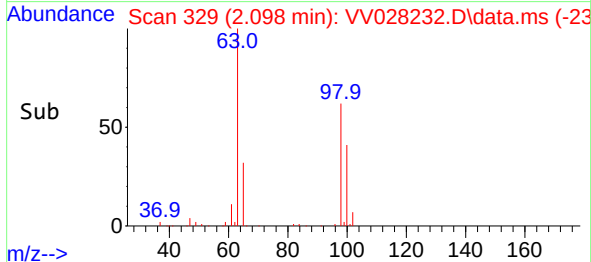
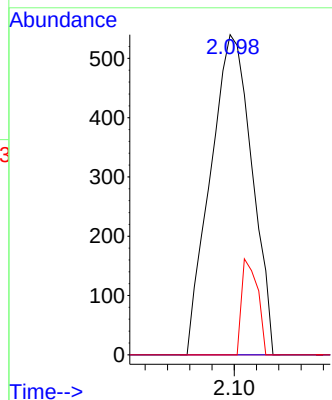
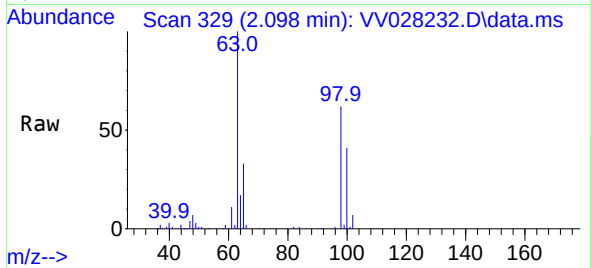




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.107 ug/L
RT: 2.098 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

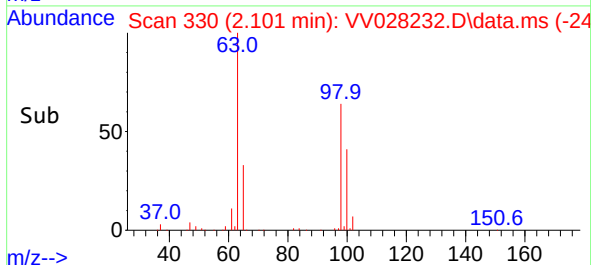
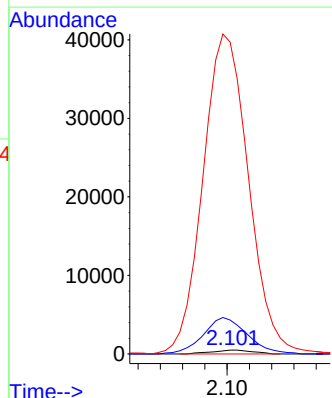
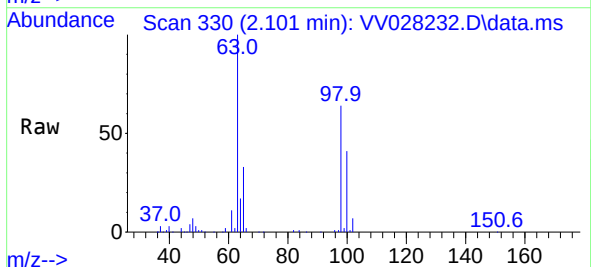
Instrument :
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ClientSampleId :
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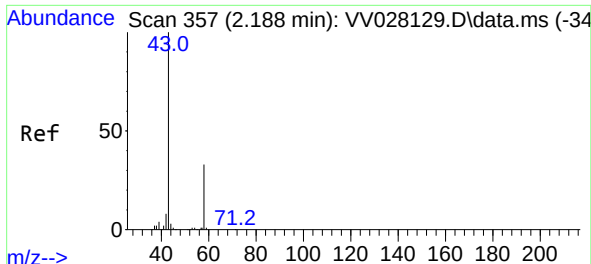
Tgt Ion:101 Resp: 700
Ion Ratio Lower Upper
101 100
85 0.0 34.4 51.6#
151 11.3 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.098 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.010 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion: 96 Resp: 625
Ion Ratio Lower Upper
96 100
61 867.5 128.3 238.3#
63 7958.3 112.7 209.3#

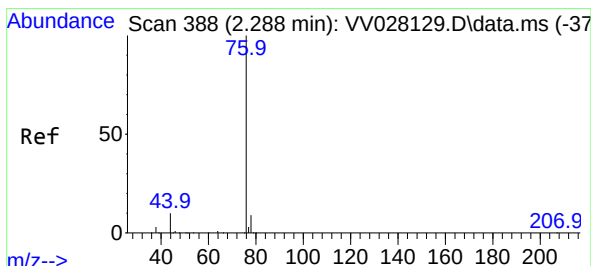
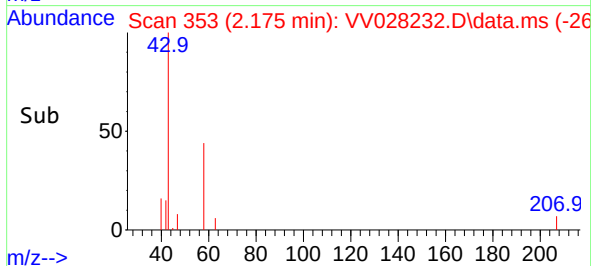
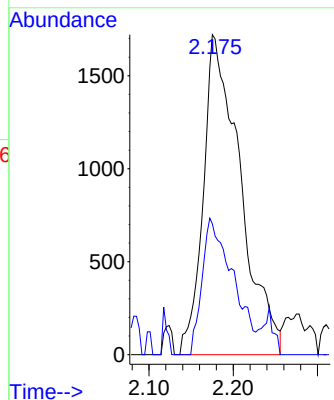
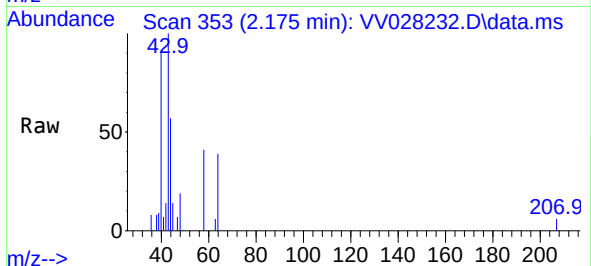




#13
Acetone
Concen: 4.227 ug/L
RT: 2.175 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

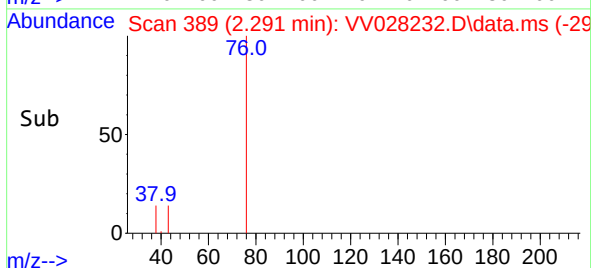
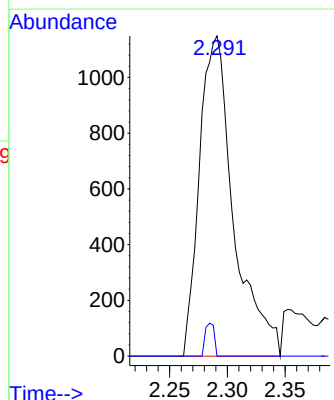
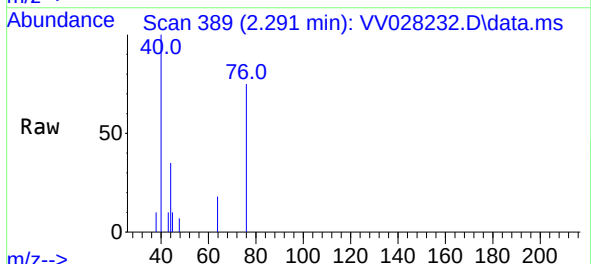
Instrument :
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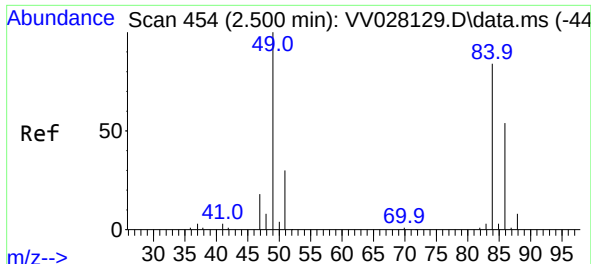
Tgt Ion: 43 Resp: 5251
Ion Ratio Lower Upper
43 100
58 35.5 0.0 65.6



#14
Carbon disulfide
Concen: 0.193 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

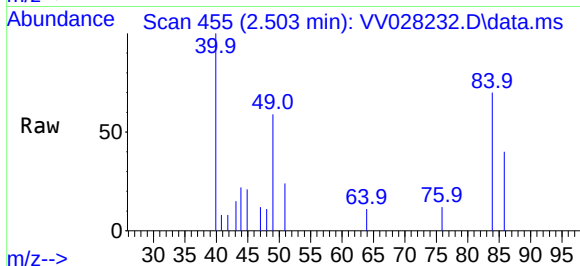
Tgt Ion: 76 Resp: 2362
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



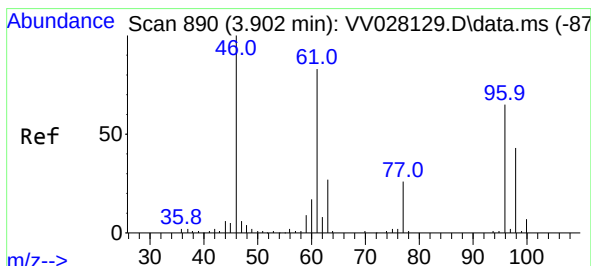
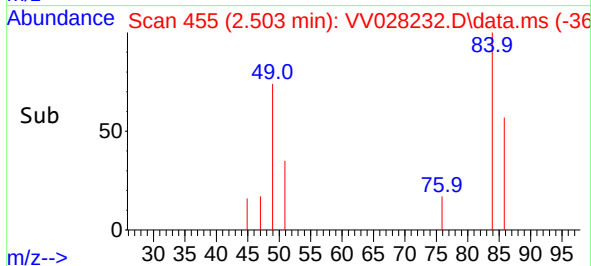
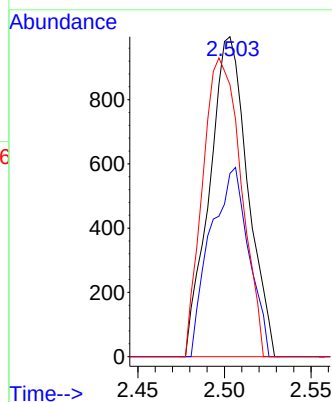


#16
Methylene chloride
Concen: 0.216 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Instrument :
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ClientSampleId :
EXZ50

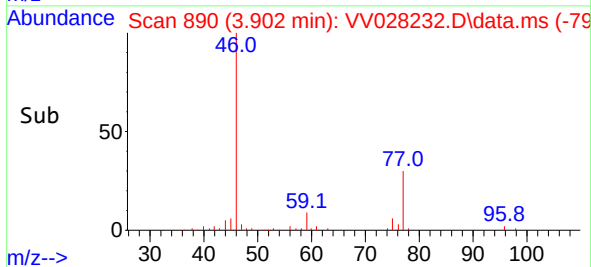
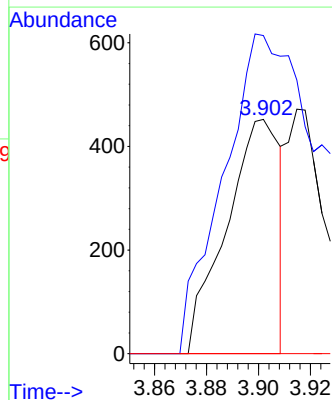
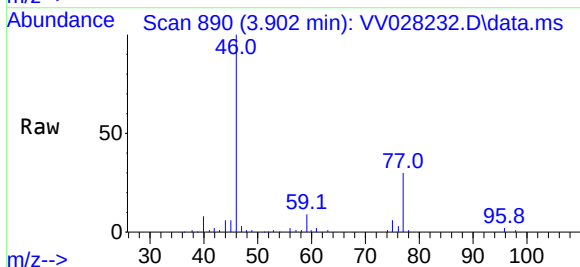


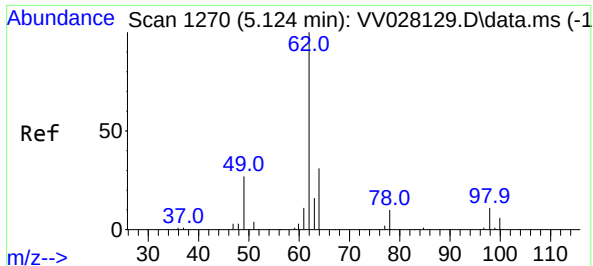
Tgt Ion: 84 Resp: 1534
Ion Ratio Lower Upper
84 100
86 57.2 46.8 86.8
49 84.9 87.5 162.5#



#22
cis-1,2-Dichloroethene
Concen: 0.088 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion: 96 Resp: 646
Ion Ratio Lower Upper
96 100
61 135.8 87.2 161.9
68 0.0 0.0 0.0

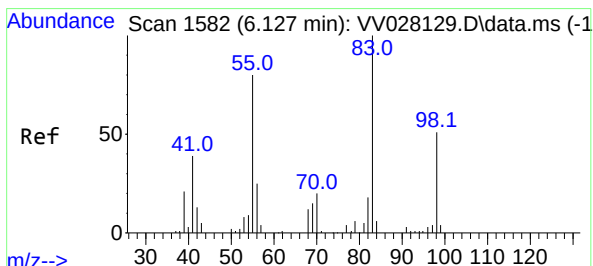
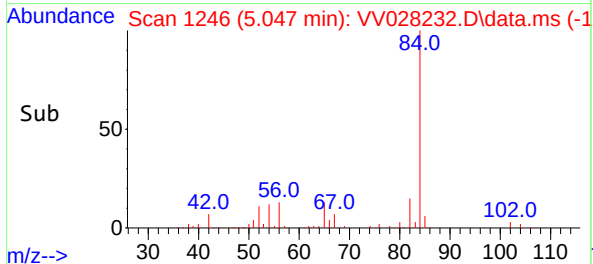
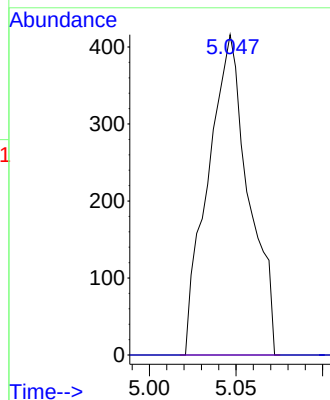
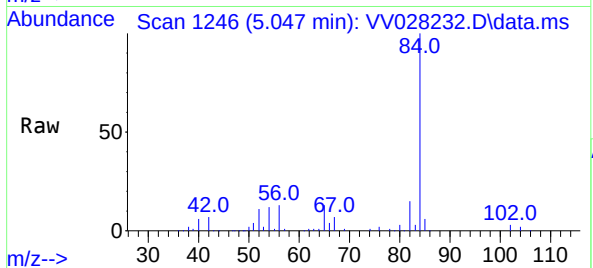




#27
1,2-Dichloroethane
Concen: 0.098 ug/L
RT: 5.047 min Scan# 11
Delta R.T. -0.077 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

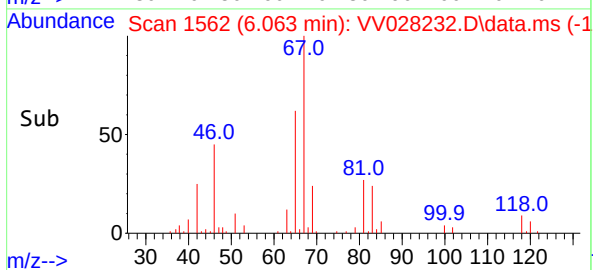
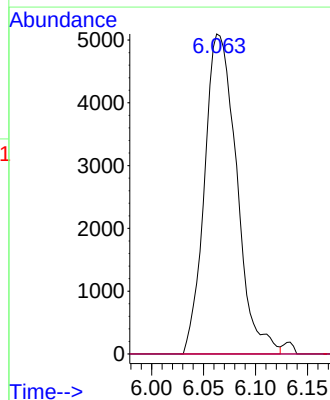
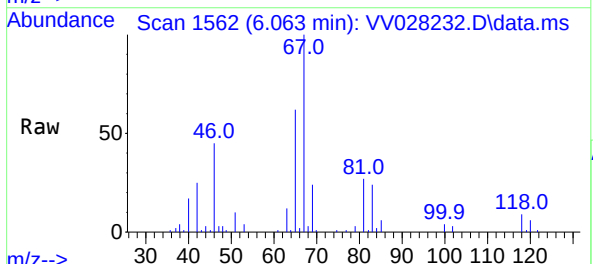
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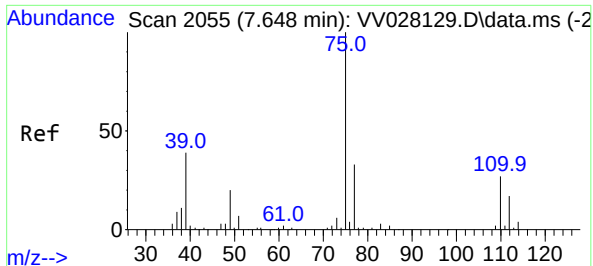
Tgt Ion: 62 Resp: 681
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#



#35
Methylcyclohexane
Concen: 1.231 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion: 83 Resp: 10955
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 1.4 39.5 59.3#

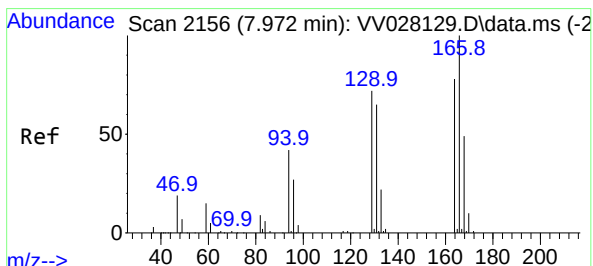
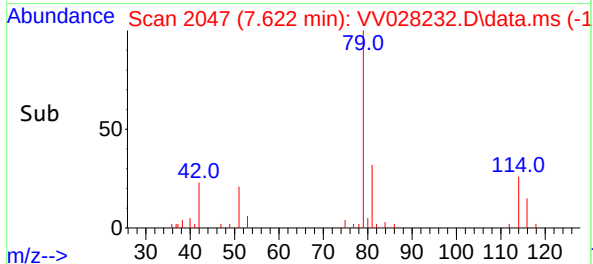
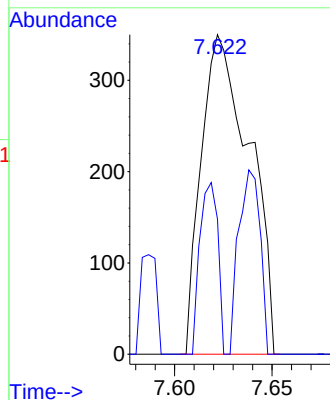
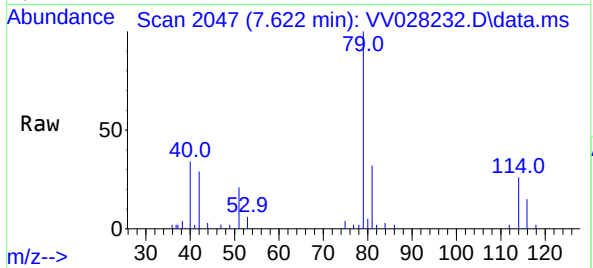




#44
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.622 min Scan# 2055
Delta R.T. -0.023 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

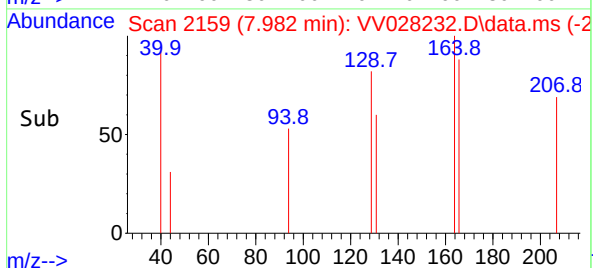
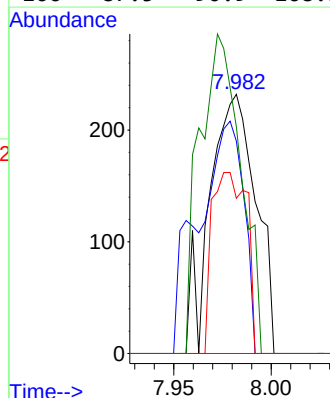
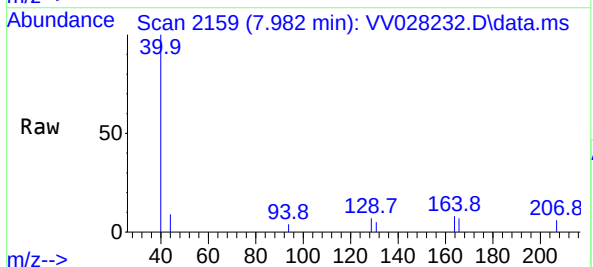
Instrument :
MSVOA_V
ClientSampleId :
EXZ50

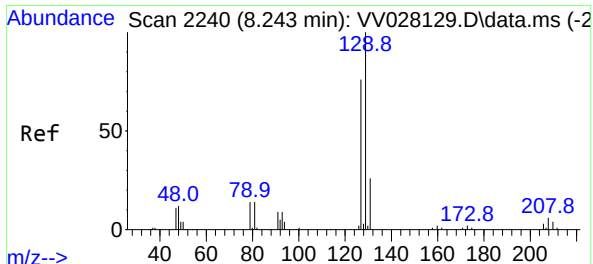
Tgt Ion: 75 Resp: 601
Ion Ratio Lower Upper
75 100
77 42.3 23.9 44.3



#47
Tetrachloroethene
Concen: 0.074 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.013 min
Lab File: VV028232.D
Acq: 30 Sep 2022 17:22

Tgt Ion:164 Resp: 381
Ion Ratio Lower Upper
164 100
129 81.9 66.7 123.9
131 59.9 61.7 114.5#
166 87.5 90.9 168.9#





#49

Dibromochloromethane

Concen: 0.042 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.261 min

Lab File: VV028232.D

Acq: 30 Sep 2022 17:22

Instrument :

MSVOA_V

ClientSampleId :

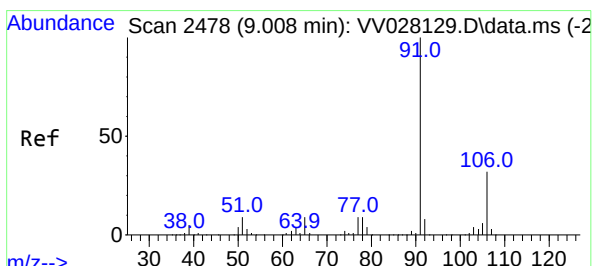
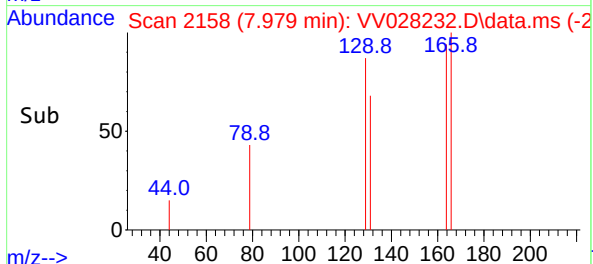
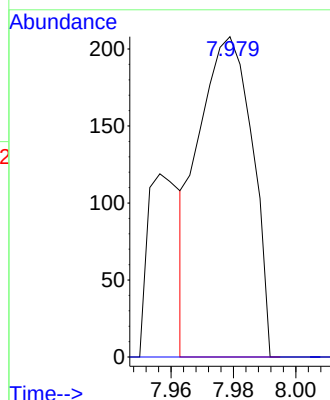
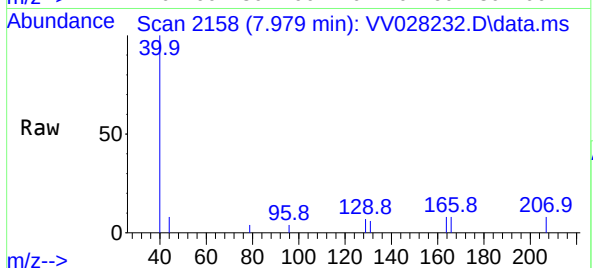
EXZ50

Tgt Ion:129 Resp: 249

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#52

Ethylbenzene

Concen: 0.067 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.010 min

Lab File: VV028232.D

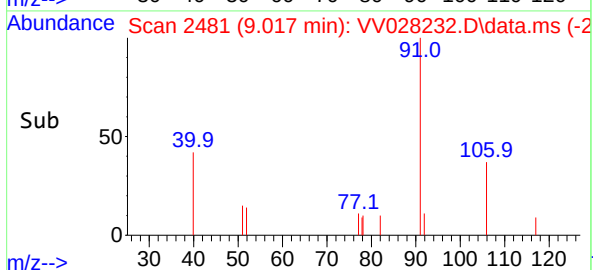
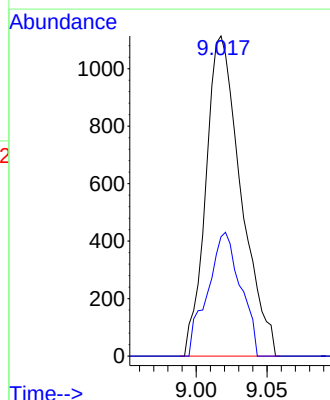
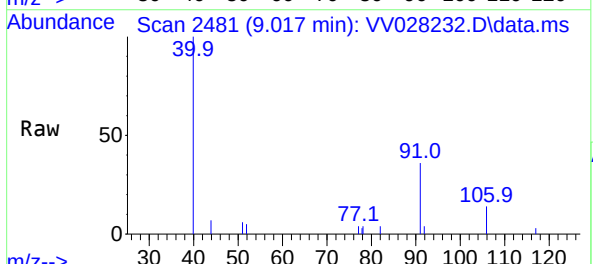
Acq: 30 Sep 2022 17:22

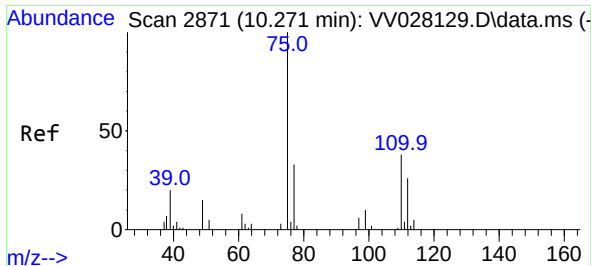
Tgt Ion: 91 Resp: 1923

Ion Ratio Lower Upper

91 100

106 37.3 21.5 39.9





#61

1,2,3-Trichloropropane

Concen: 1.114 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV028232.D

Acq: 30 Sep 2022 17:22

Instrument :

MSVOA_V

ClientSampleId :

EXZ50

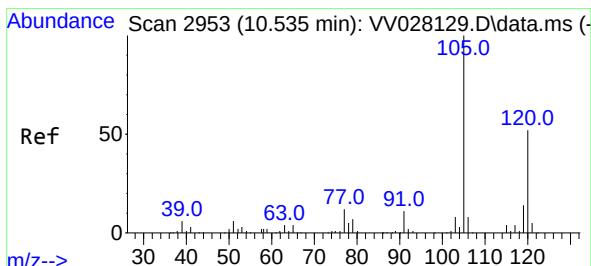
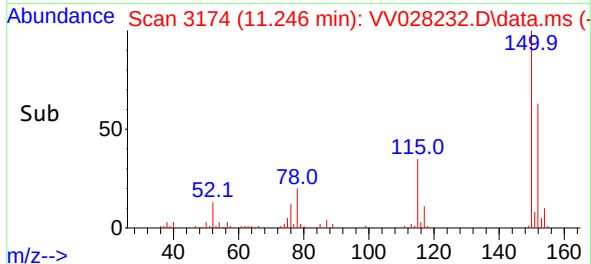
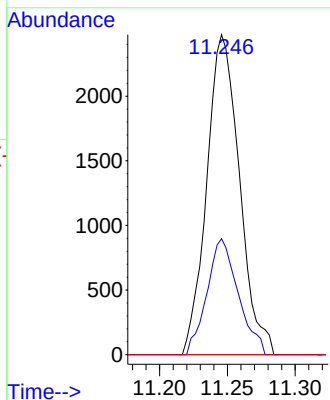
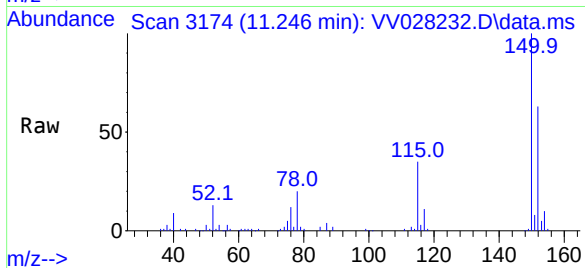
Tgt Ion: 75 Resp: 4157

Ion Ratio Lower Upper

75 100

77 34.7 26.7 40.1

110 0.0 30.1 45.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.045 ug/L

RT: 10.548 min Scan# 2957

Delta R.T. 0.013 min

Lab File: VV028232.D

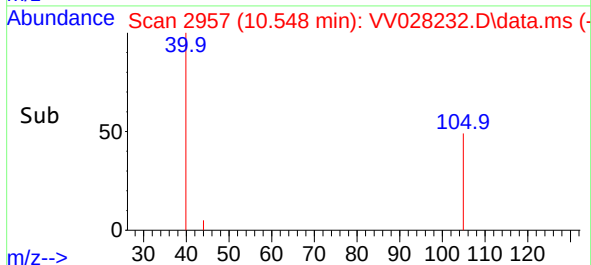
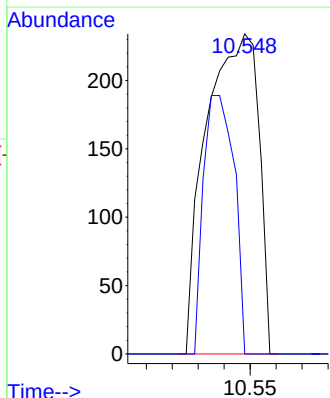
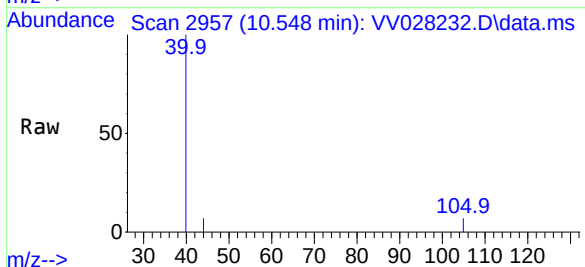
Acq: 30 Sep 2022 17:22

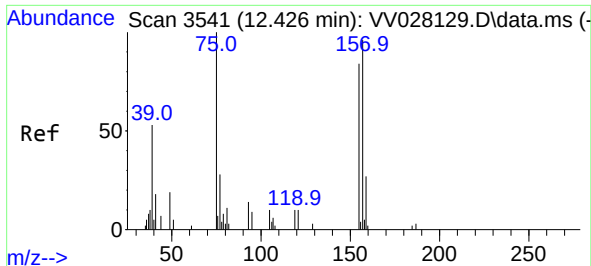
Tgt Ion: 105 Resp: 328

Ion Ratio Lower Upper

105 100

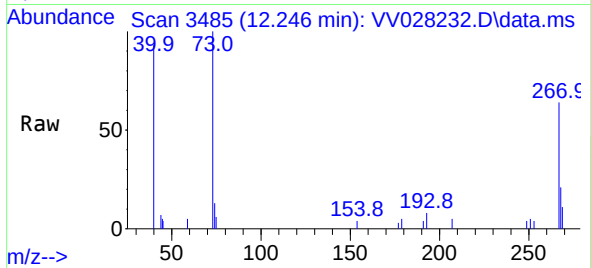
120 47.0 40.6 61.0





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.166 ug/L
 RT: 12.246 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV028232.D
 Acq: 30 Sep 2022 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ50



Tgt Ion: 75	Resp:	136
Ion Ratio	Lower	Upper
75	100	
155	0.0	73.6 110.4#
157	0.0	90.7 136.1#

