

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092922\
 Data File : VW028210.D
 Acq On : 30 Sep 2022 00:57
 Operator : SY/MD
 Sample : N4870-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5H46

Quant Time: Sep 30 01:51:37 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	5.613	114	170870	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	174296	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	85309	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	65186	3.680	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.561	69	54306	3.856	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.200%
11) 1,1-Dichloroethene-d2	2.101	63	89976	2.928	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	3.892	46	123448	41.278	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.560%
24) Chloroform-d	4.343	84	119523	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.027	65	55151	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
32) Benzene-d6	5.043	84	231648	4.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.063	67	69422	3.896	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.310	98	196642	3.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	7.622	79	18863	2.931	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	58.600%
46) 2-Hexanone-d5	8.085	63	112496	41.881	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.760%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	49576	4.071	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	74545	4.455	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.304	62	660	0.050	ug/L #	1
8) Chloroethane	1.384	64	392015	44.119	ug/L #	50
9) Trichlorofluoromethane	1.748	101	1798	0.085	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1124	0.093	ug/L #	26
14) Carbon disulfide	2.288	76	2623	0.116	ug/L #	84
17) Methyl tert-butyl Ether	2.767	73	12502	0.492	ug/L	96
18) trans-1,2-Dichloroethene	2.761	96	1914	0.185	ug/L	86
22) cis-1,2-Dichloroethene	3.908	96	5157	0.380	ug/L	84
33) Benzene	5.101	78	2922	0.060	ug/L	100
34) Trichloroethene	5.908	95	47521	3.944	ug/L	94
35) Methylcyclohexane	6.121	83	978	0.059	ug/L #	65
37) 1,2-Dichloropropane	6.063	63	7682	0.566	ug/L #	87
45) 1,1,2-Trichloroethane	7.969	97	7052	0.775	ug/L #	10
47) Tetrachloroethene	7.969	164	890247	92.572	ug/L	97
49) Dibromochloromethane	7.969	129	791768	72.402	ug/L #	11
53) m,p-Xylene	9.140	106	934	0.046	ug/L	81
61) 1,2,3-Trichloropropane	11.246	75	7792	1.089	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.535	105	551	0.039	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	12.243	75	464	0.296	ug/L #	1

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QLast Update : Thu Sep 29 01:25:35 2022
Response via : Initial Calibration

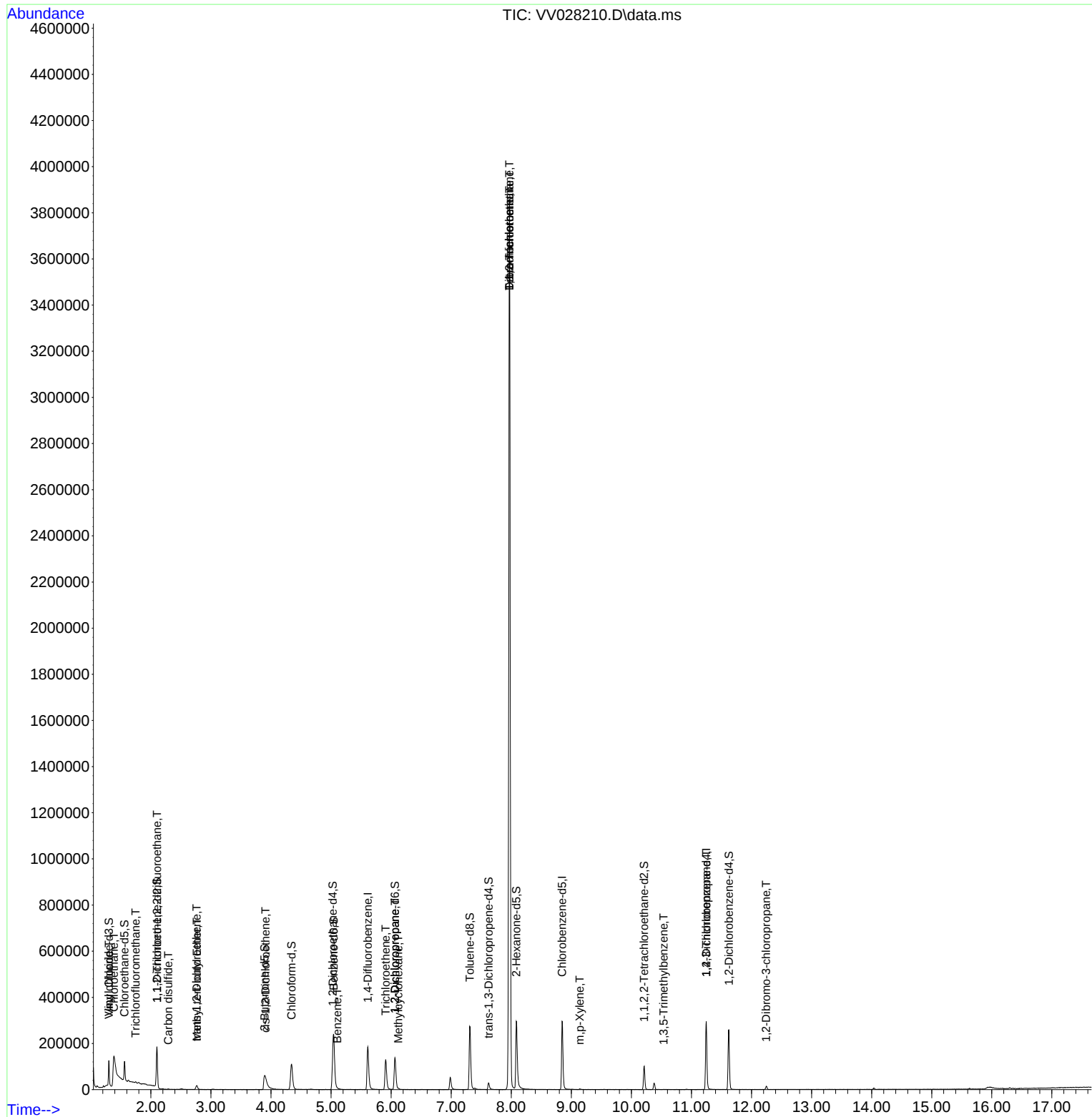
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

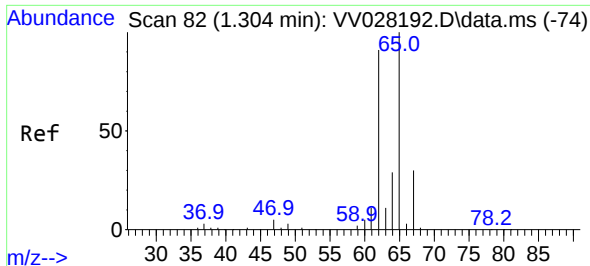
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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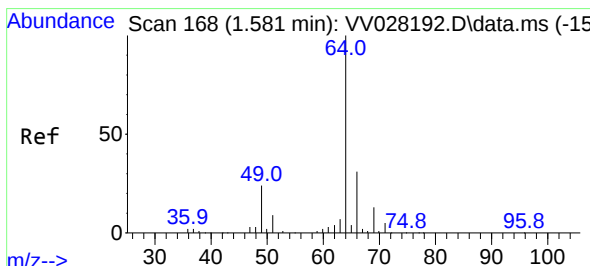
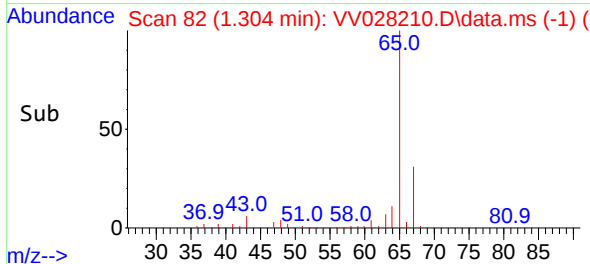
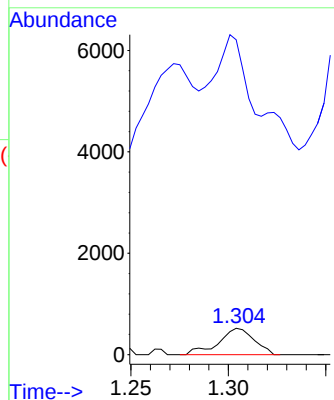
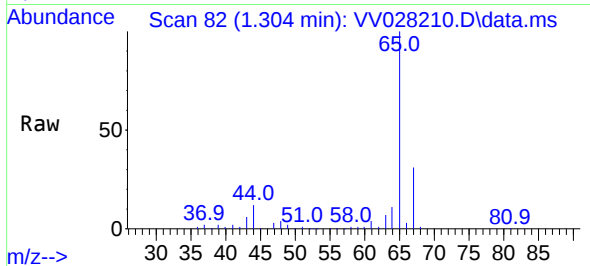




#5
 Vinyl chloride
 Concen: 0.050 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028210.D
 Acq: 30 Sep 2022 00:57

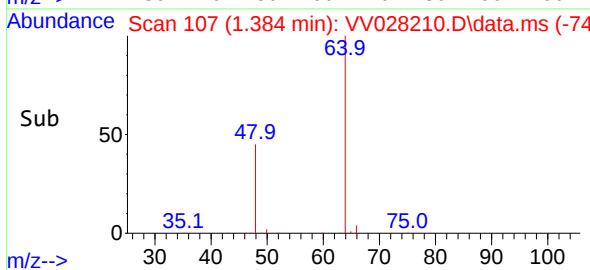
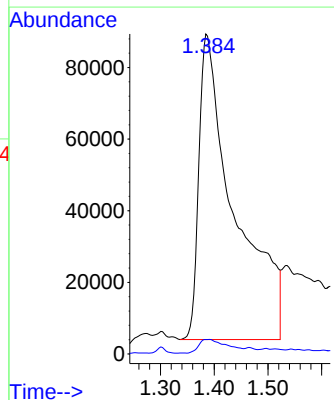
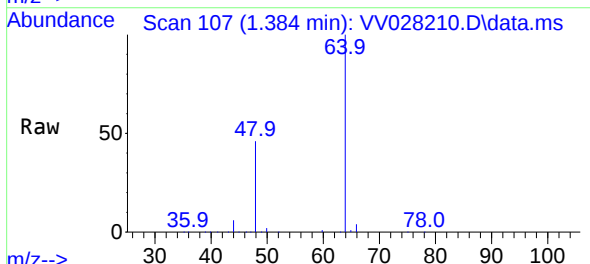
Instrument :
 MSVOA_V
 ClientSampleId :
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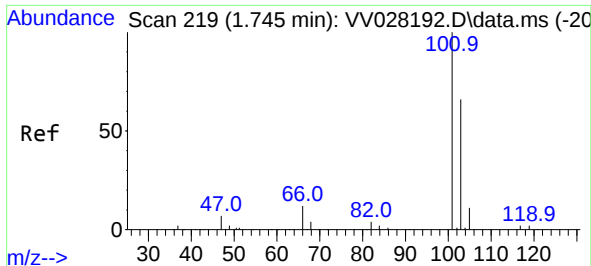
Tgt Ion: 62 Resp: 660
 Ion Ratio Lower Upper
 62 100
 64 1189.8 23.0 42.8#



#8
 Chloroethane
 Concen: 44.119 ug/L
 RT: 1.384 min Scan# 107
 Delta R.T. -0.193 min
 Lab File: VV028210.D
 Acq: 30 Sep 2022 00:57

Tgt Ion: 64 Resp: 392015
 Ion Ratio Lower Upper
 64 100
 66 4.5 23.0 42.8#

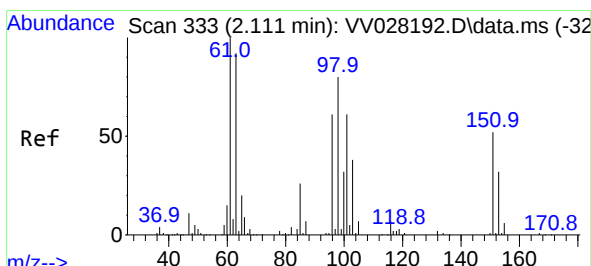
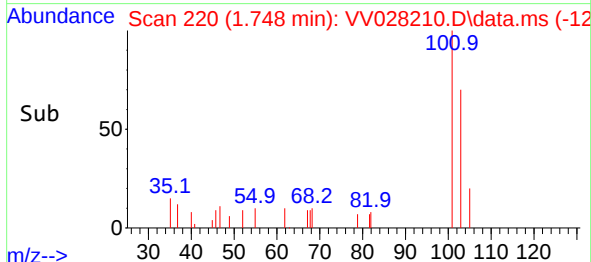
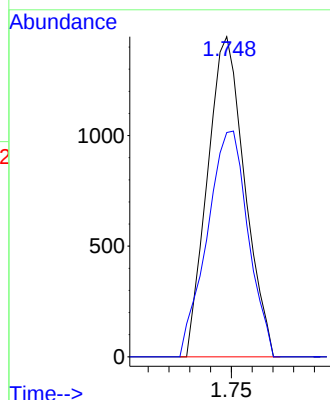
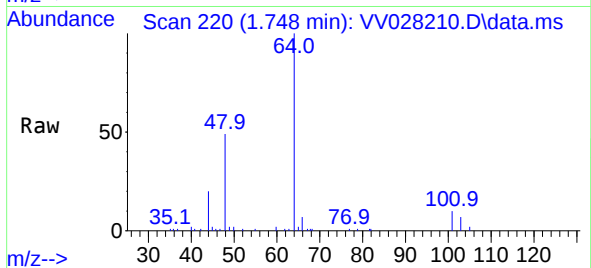




#9
Trichlorofluoromethane
Concen: 0.085 ug/L
RT: 1.748 min Scan# 219
Delta R.T. 0.003 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

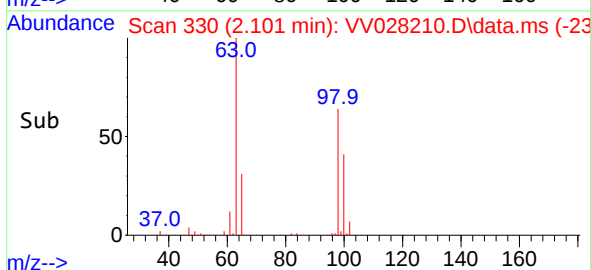
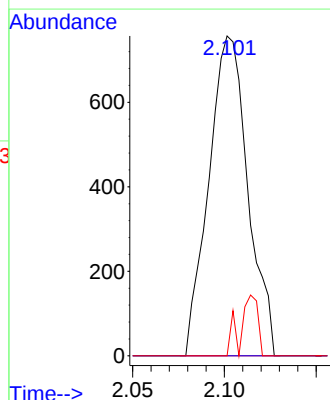
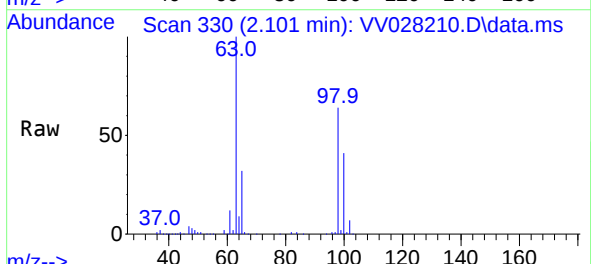
Instrument :
MSVOA_V
ClientSampleId :
F5H46

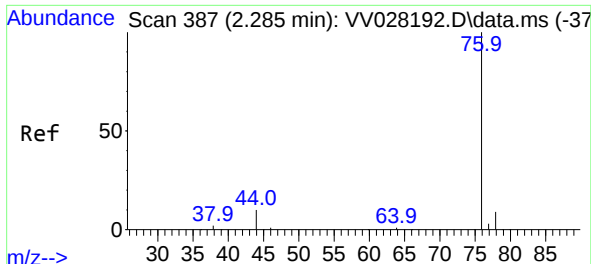
Tgt Ion:101 Resp: 1798
Ion Ratio Lower Upper
101 100
103 77.6 51.4 77.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.093 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.006 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

Tgt Ion:101 Resp: 1124
Ion Ratio Lower Upper
101 100
85 1.9 34.4 51.6#
151 8.5 61.1 91.7#

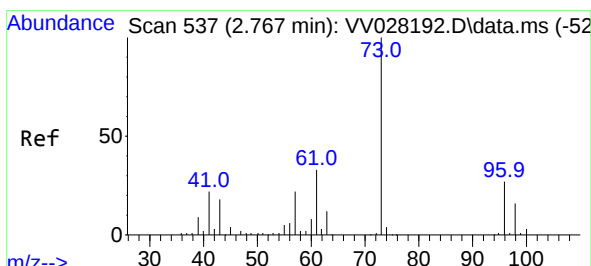
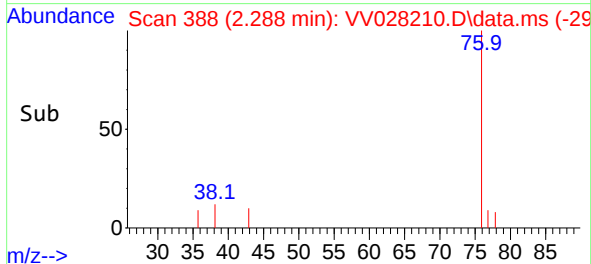
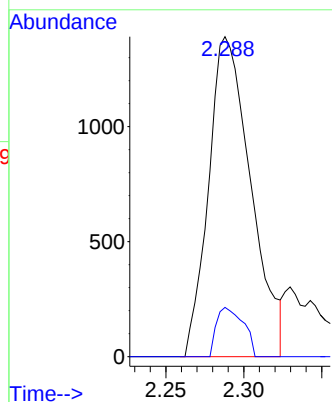
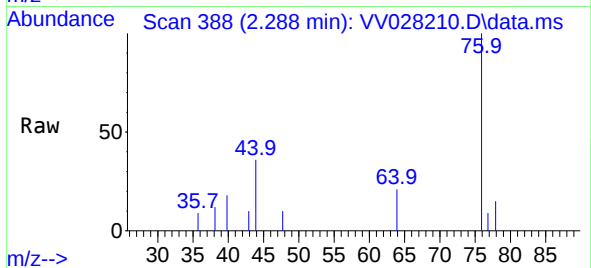




#14
Carbon disulfide
Concen: 0.116 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

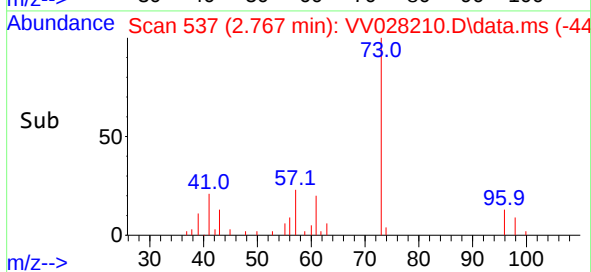
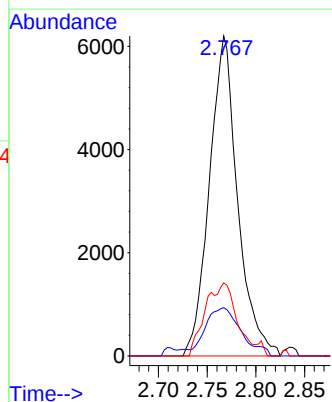
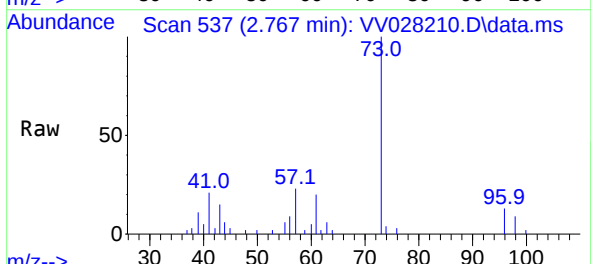
Instrument :
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ClientSampleId :
F5H46

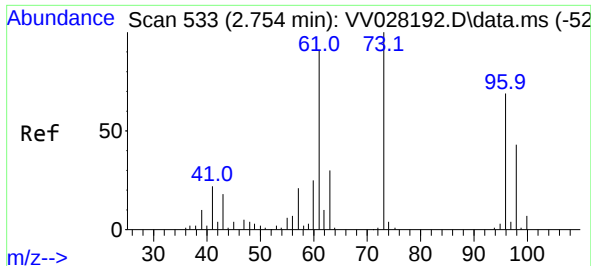
Tgt Ion: 76 Resp: 2623
Ion Ratio Lower Upper
76 100
78 15.4 7.6 11.4#



#17
Methyl tert-butyl Ether
Concen: 0.492 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

Tgt Ion: 73 Resp: 12502
Ion Ratio Lower Upper
73 100
43 19.0 15.7 23.5
57 25.5 17.8 26.8

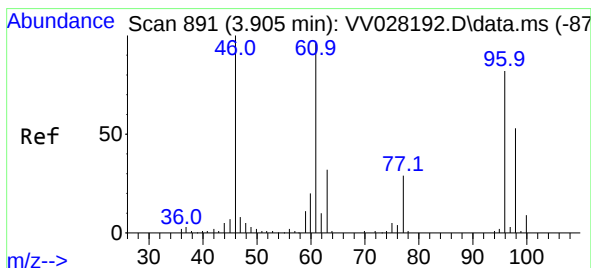
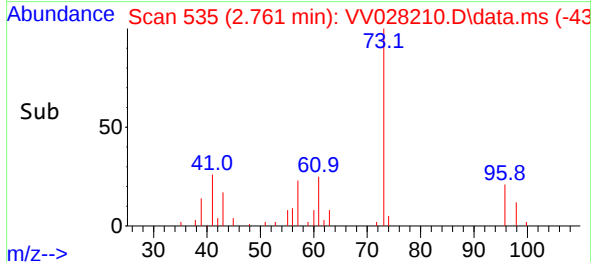
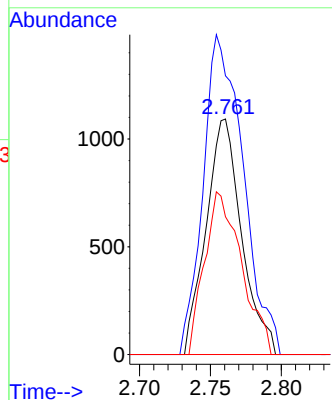
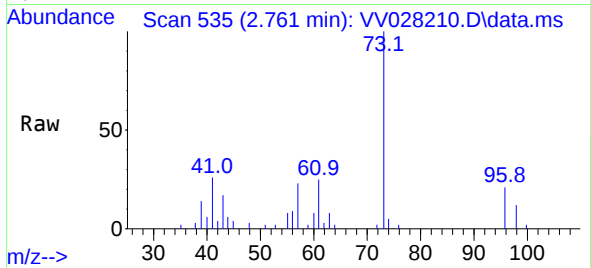




#18
trans-1,2-Dichloroethene
Concen: 0.185 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

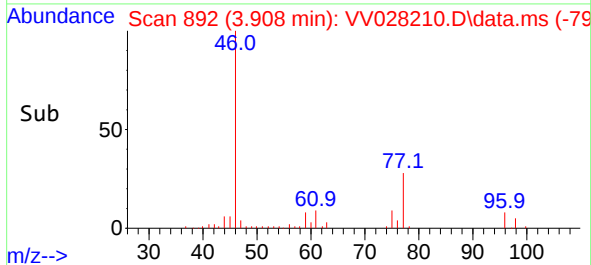
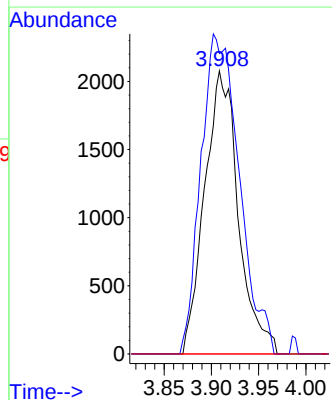
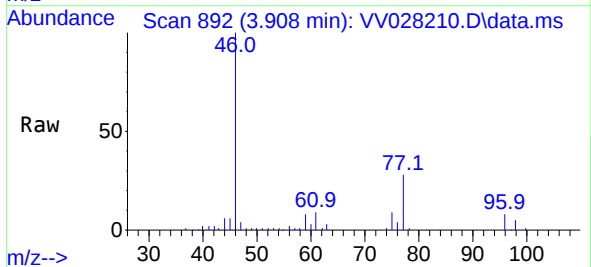
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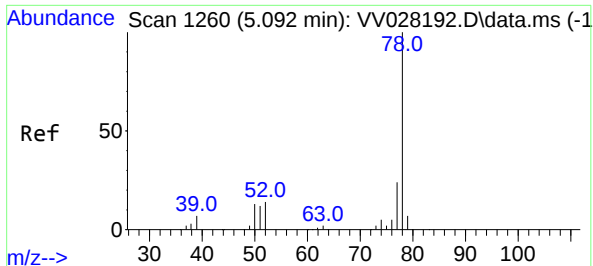
Tgt Ion: 96 Resp: 1914
Ion Ratio Lower Upper
96 100
61 118.3 96.2 178.6
98 58.5 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 0.380 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.010 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

Tgt Ion: 96 Resp: 5157
Ion Ratio Lower Upper
96 100
61 106.2 87.2 161.9
68 0.0 0.0 0.0

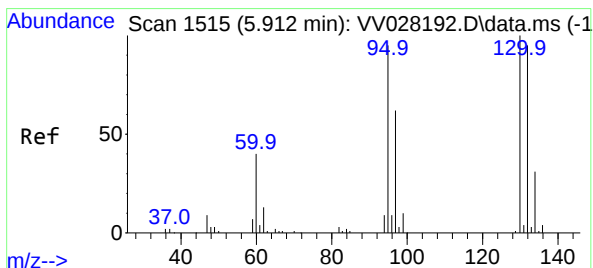
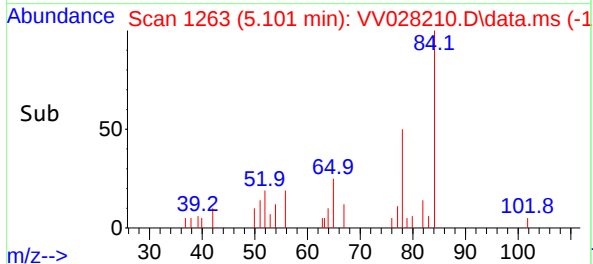
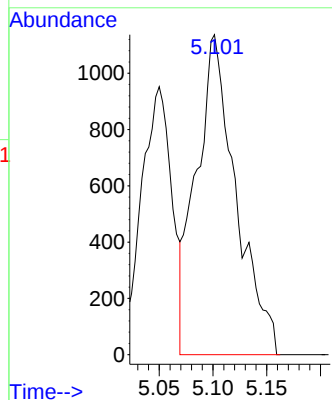
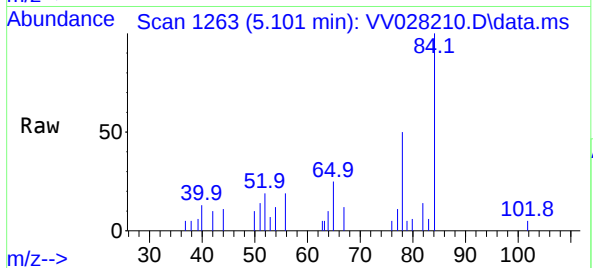




#33
Benzene
Concen: 0.060 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

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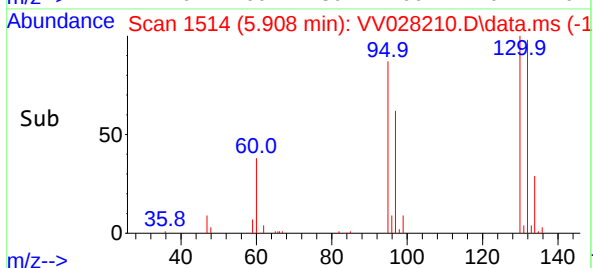
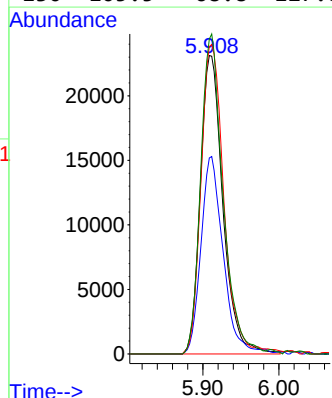
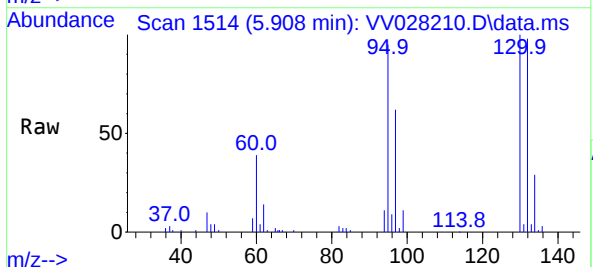
Tgt Ion: 78 Resp: 2922

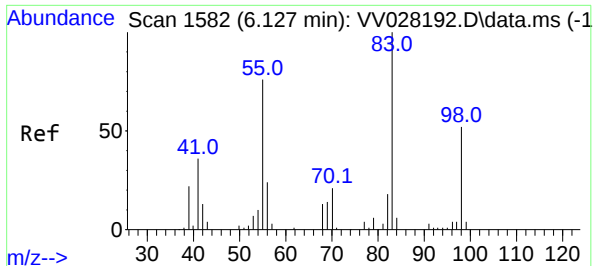


#34
Trichloroethene
Concen: 3.944 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

Tgt Ion: 95 Resp: 47521

Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.2	82.0
132	103.0	67.8	126.0
130	105.5	68.8	127.8





#35

Methylcyclohexane

Concen: 0.059 ug/L

RT: 6.121 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028210.D

Acq: 30 Sep 2022 00:57

Instrument :

MSVOA_V

ClientSampleId :

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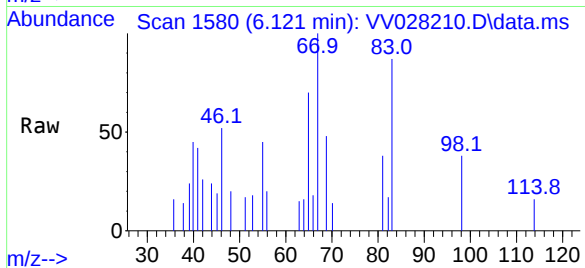
Tgt Ion: 83 Resp: 978

Ion Ratio Lower Upper

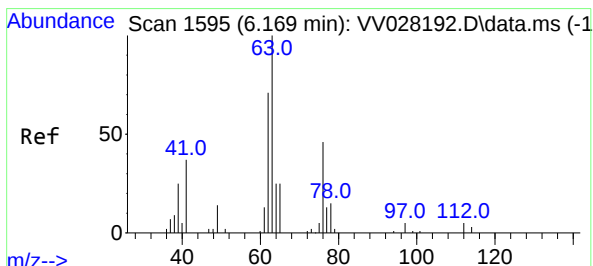
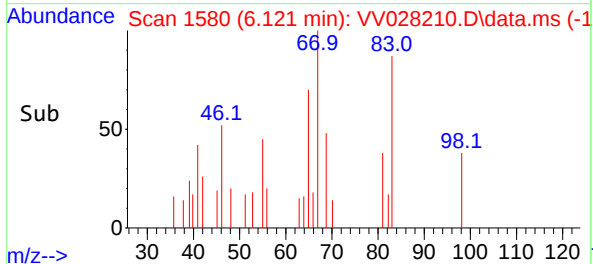
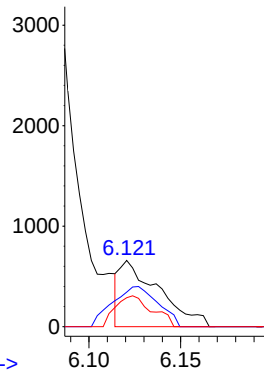
83 100

55 70.1 64.7 97.1

98 0.0 39.5 59.3#



Abundance



#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.103 min

Lab File: VV028210.D

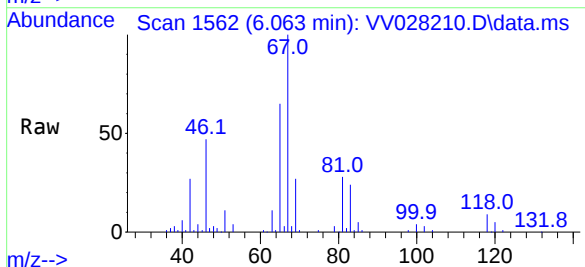
Acq: 30 Sep 2022 00:57

Tgt Ion: 63 Resp: 7682

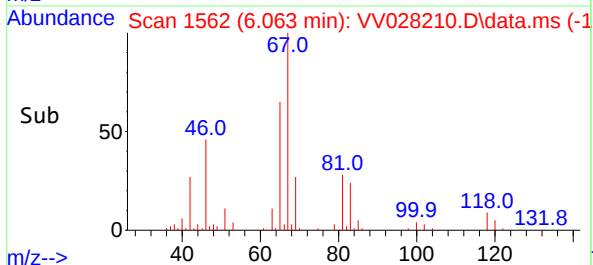
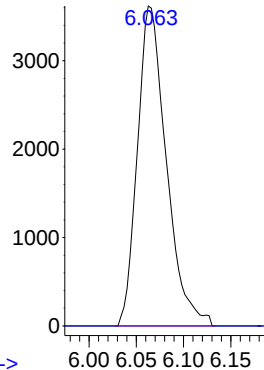
Ion Ratio Lower Upper

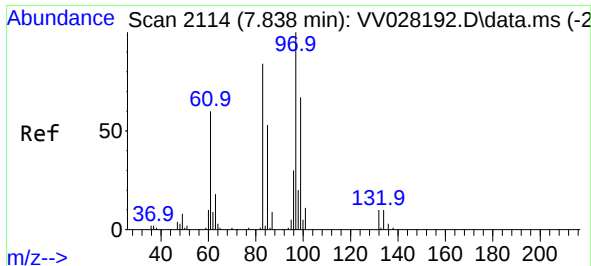
63 100

112 0.0 3.5 5.3#



Abundance

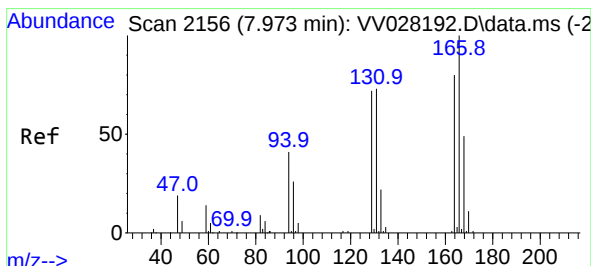
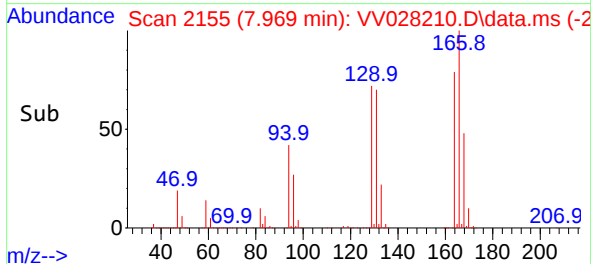
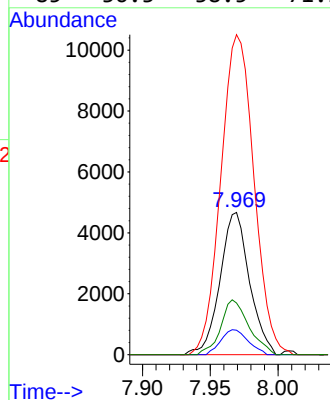
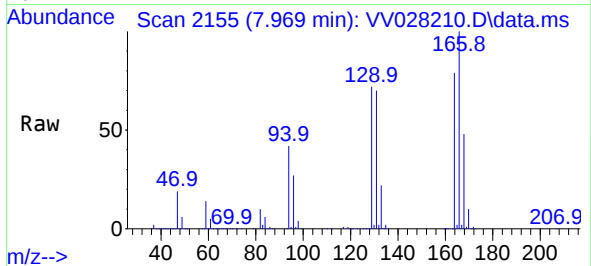




#45
1,1,2-Trichloroethane
Concen: 0.775 ug/L
RT: 7.969 min Scan# 2114
Delta R.T. 0.135 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

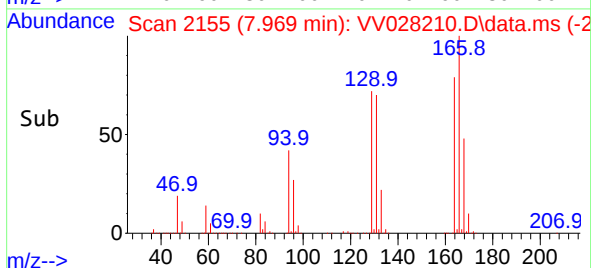
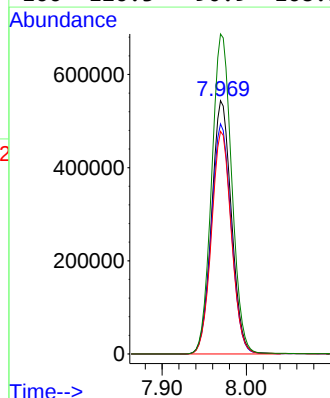
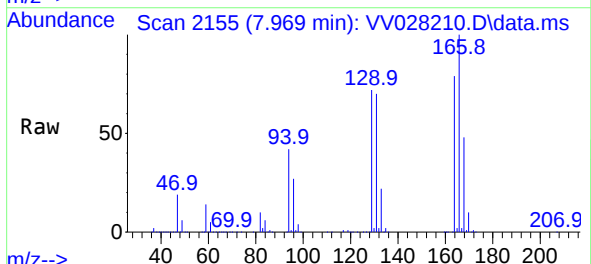
Instrument :
MSVOA_V
ClientSampleId :
F5H46

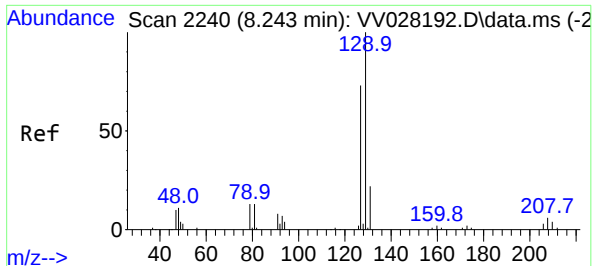
Tgt Ion:	97	Resp:	7052
Ion	Ratio	Lower	Upper
97	100		
99	17.2	43.2	80.2#
83	224.9	59.1	109.9#
85	36.3	38.5	71.5#



#47
Tetrachloroethene
Concen: 92.572 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028210.D
Acq: 30 Sep 2022 00:57

Tgt Ion:	164	Resp:	890247
Ion	Ratio	Lower	Upper
164	100		
129	90.8	66.7	123.9
131	87.9	61.7	114.5
166	126.3	90.9	168.9





#49

Dibromochloromethane

Concen: 72.402 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028210.D

Acq: 30 Sep 2022 00:57

Instrument :

MSVOA_V

ClientSampleId :

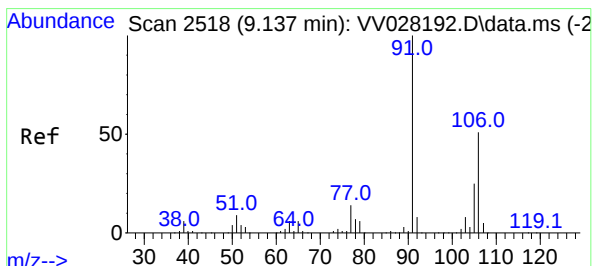
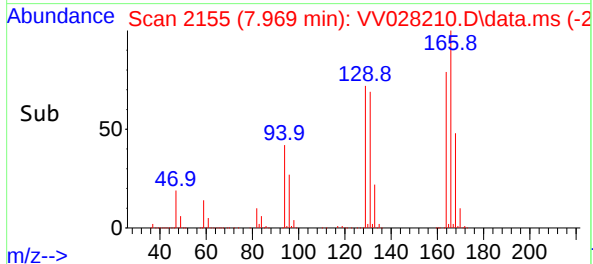
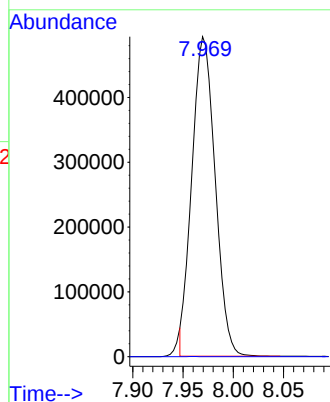
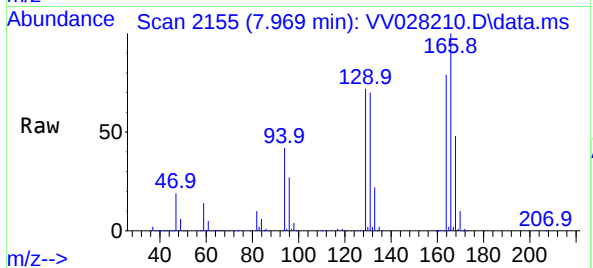
F5H46

Tgt Ion:129 Resp: 791768

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#53

m,p-Xylene

Concen: 0.046 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.006 min

Lab File: VV028210.D

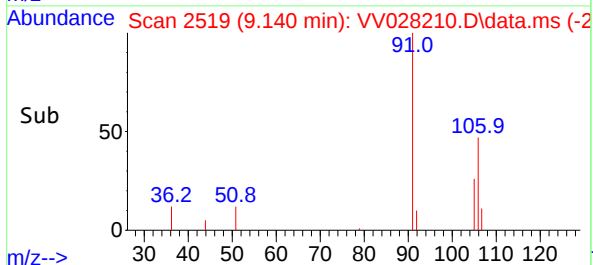
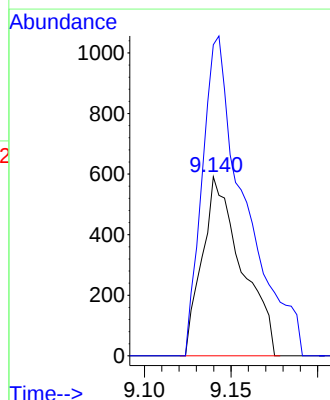
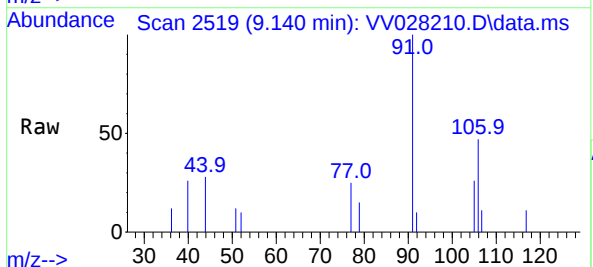
Acq: 30 Sep 2022 00:57

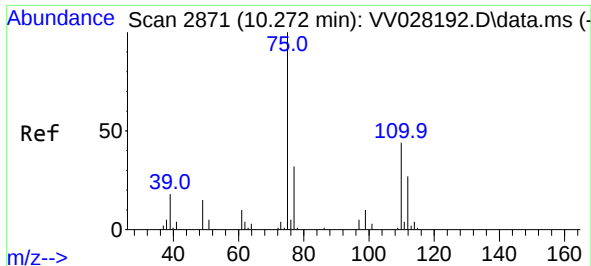
Tgt Ion:106 Resp: 934

Ion Ratio Lower Upper

106 100

91 173.8 141.9 263.5





#61

1,2,3-Trichloropropane

Concen: 1.089 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV028210.D

Acq: 30 Sep 2022 00:57

Instrument :

MSVOA_V

ClientSampleId :

F5H46

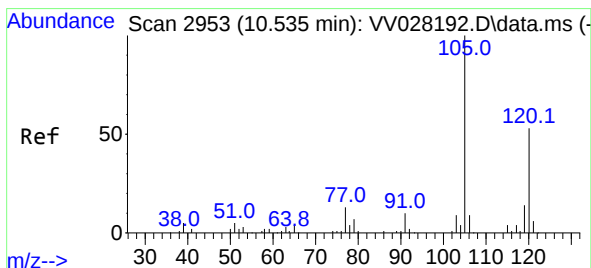
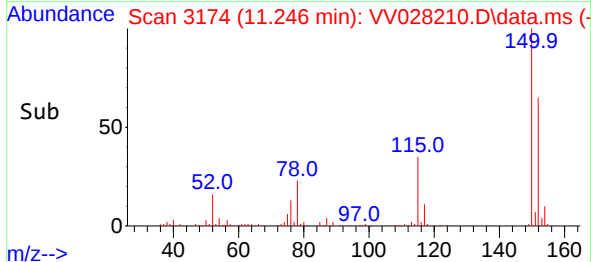
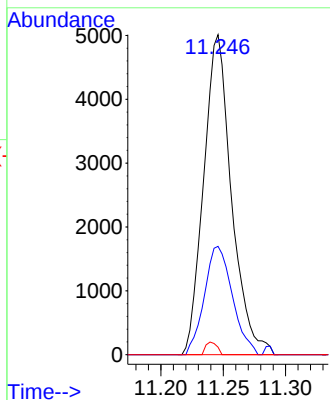
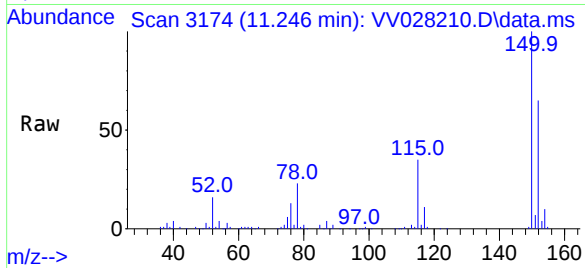
Tgt Ion: 75 Resp: 7792

Ion Ratio Lower Upper

75 100

77 34.2 26.7 40.1

110 1.6 30.1 45.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.039 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV028210.D

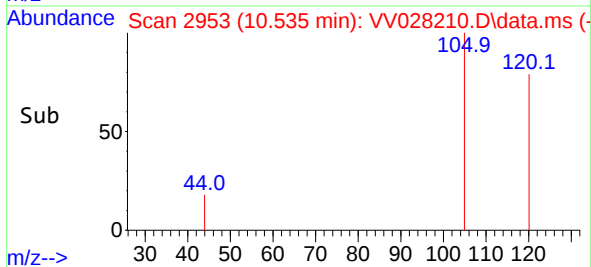
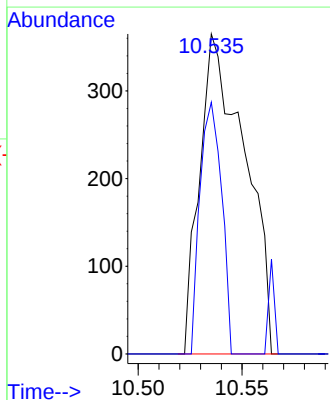
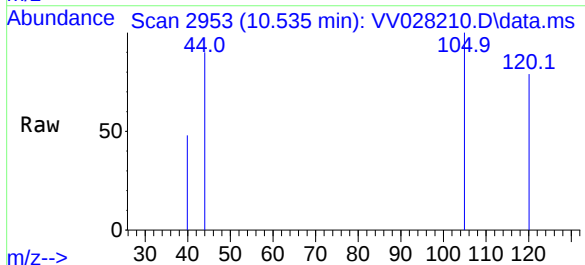
Acq: 30 Sep 2022 00:57

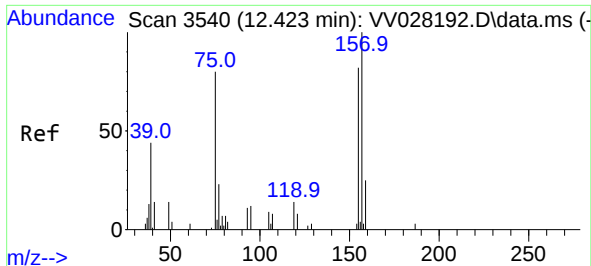
Tgt Ion: 105 Resp: 551

Ion Ratio Lower Upper

105 100

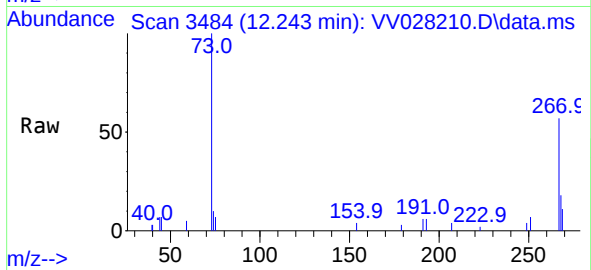
120 37.7 40.6 61.0#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.296 ug/L
 RT: 12.243 min Scan# 34
 Delta R.T. -0.180 min
 Lab File: VV028210.D
 Acq: 30 Sep 2022 00:57

Instrument :
 MSVOA_V
 ClientSampleId :
 F5H46



Tgt Ion: 75 Resp: 464
 Ion Ratio Lower Upper
 75 100
 155 0.0 73.6 110.4#
 157 0.0 90.7 136.1#

