

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041522\
 Data File : VW025573.D
 Acq On : 15 Apr 2022 17:16
 Operator : SY/MD
 Sample : N2384-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6Q1

Quant Time: Apr 16 02:44:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 16 02:38:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	105695	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	101477	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	42686	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	39010	3.970	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.400%
7) Chloroethane-d5	1.574	69	40888	3.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.114	63	62271	3.163	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	3.902	46	74208	62.083	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.160%
24) Chloroform-d	4.355	84	69693	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.037	65	33891	5.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.056	84	132581	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.072	67	42702	5.215	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.320	98	101578	3.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.600%
43) trans-1,3-Dichloroprop...	7.628	79	10953	3.980	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.091	63	52692	54.549	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25754	4.978	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	33191	4.638	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	5295	0.555	ug/L	91
3) Chloromethane	1.243	50	509	0.049	ug/L	99
5) Vinyl chloride	1.317	62	23240	1.982	ug/L	96
12) 1,1-Dichloroethene	2.124	96	5692	0.621	ug/L #	1
14) Carbon disulfide	2.301	76	7480	0.341	ug/L	98
16) Methylene chloride	2.516	84	1794	0.202	ug/L #	76
18) trans-1,2-Dichloroethene	2.767	96	12277	1.598	ug/L	93
22) cis-1,2-Dichloroethene	3.915	96	1172676	145.003	ug/L	94
25) Chloroform	4.387	83	1731	0.126	ug/L	90
33) Benzene	5.111	78	1973	0.066	ug/L	100
34) Trichloroethene	5.915	95	615951	77.388	ug/L	98
35) Methylcyclohexane	6.075	83	10512	0.828	ug/L #	27
37) 1,2-Dichloropropane	6.182	63	3139	0.453	ug/L #	96
39) cis-1,3-Dichloropropene	6.989	75	938	0.103	ug/L	89
45) 1,1,2-Trichloroethane	7.979	97	53204	11.457	ug/L #	1
47) Tetrachloroethene	7.979	164	5655147	907.563	ug/L	94
49) Dibromochloromethane	7.979	129	5666611	1111.512	ug/L #	11
52) Ethylbenzene	9.021	91	1998	0.057	ug/L	99
53) m,p-Xylene	9.146	106	853	0.065	ug/L	80

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 16 02:38:36 2022
Response via : Initial Calibration

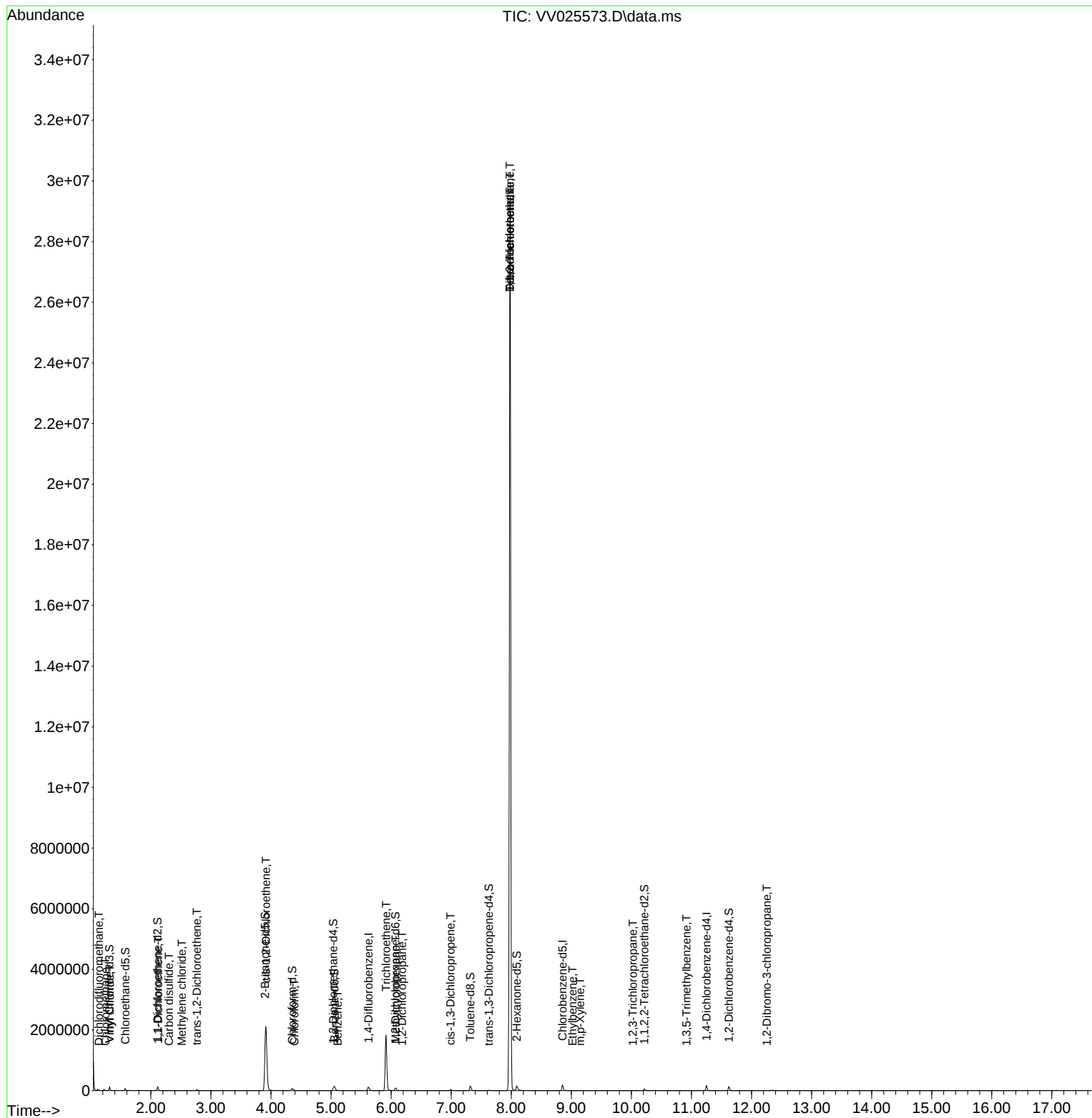
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.024	75	278	0.099	ug/L #	37
62) 1,3,5-Trimethylbenzene	10.918	105	821	0.070	ug/L	86
68) 1,2-Dibromo-3-chloropr...	12.252	75	229	0.471	ug/L #	2

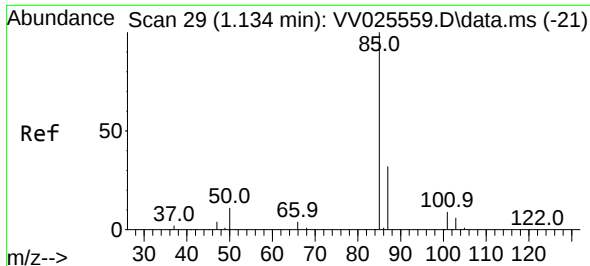
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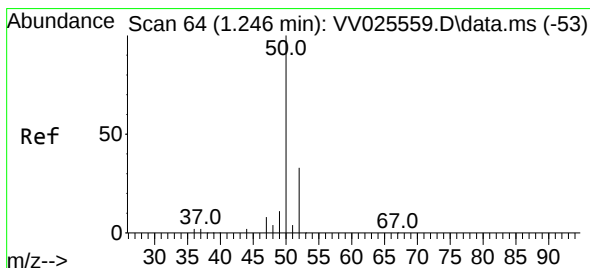
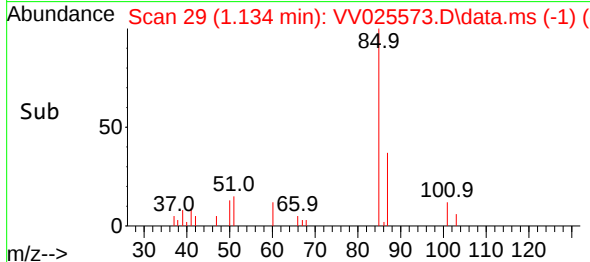
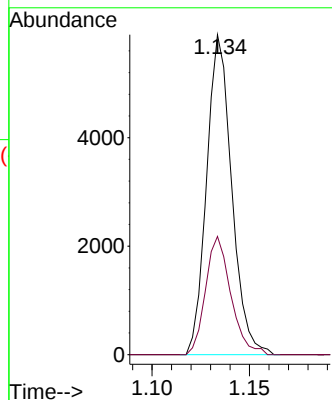
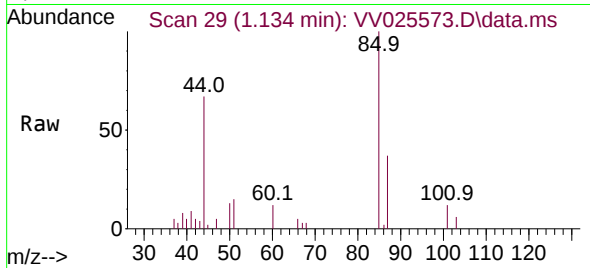




#2
 Dichlorodifluoromethane
 Concen: 0.555 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

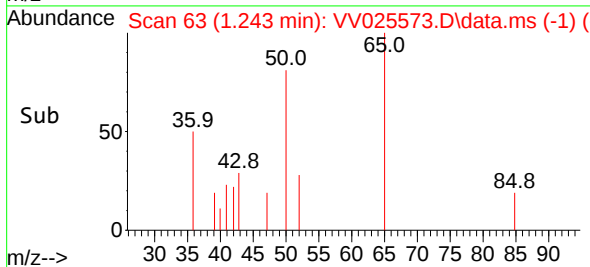
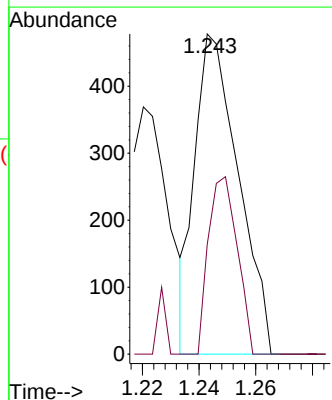
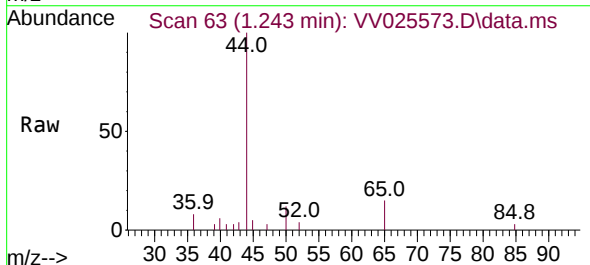
Instrument :
 MSVOA_V
 ClientSampleId :
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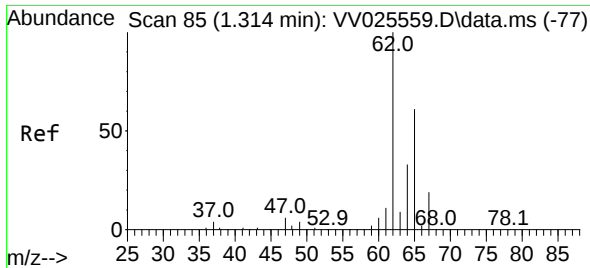
Tgt Ion: 85 Resp: 5295
 Ion Ratio Lower Upper
 85 100
 87 37.1 25.6 38.4



#3
 Chloromethane
 Concen: 0.049 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.003 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

Tgt Ion: 50 Resp: 509
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.7 43.9

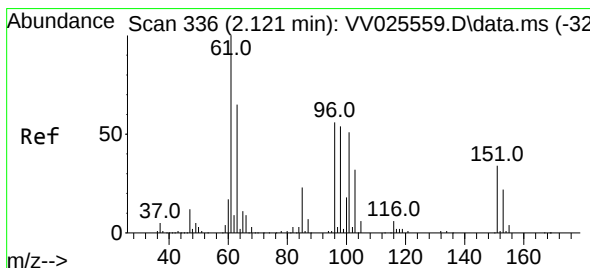
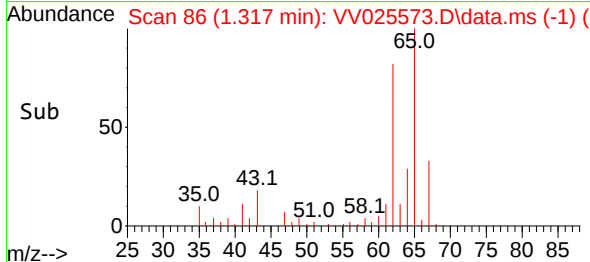
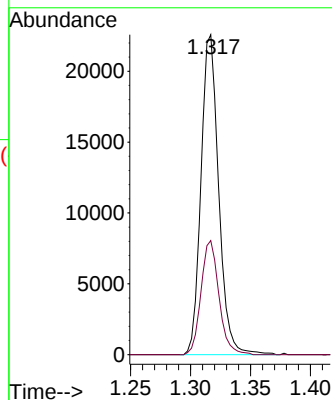
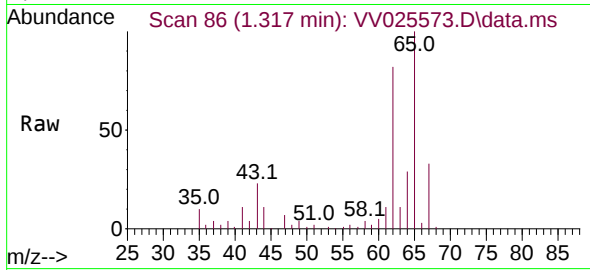




#5
 Vinyl chloride
 Concen: 1.982 ug/L
 RT: 1.317 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

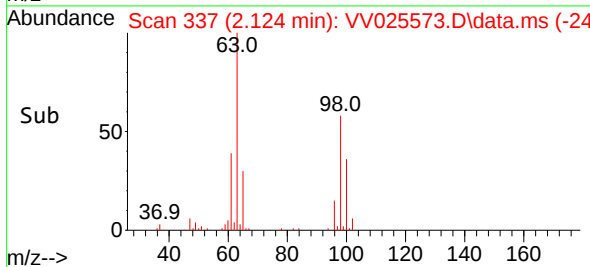
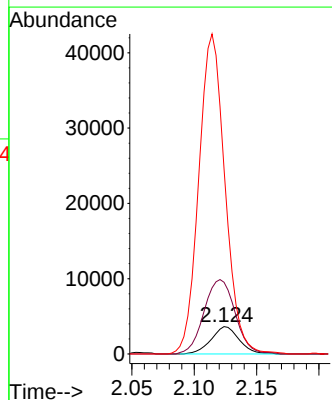
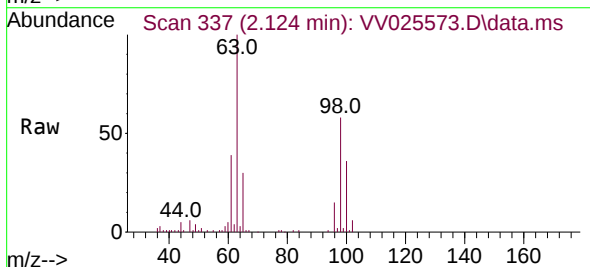
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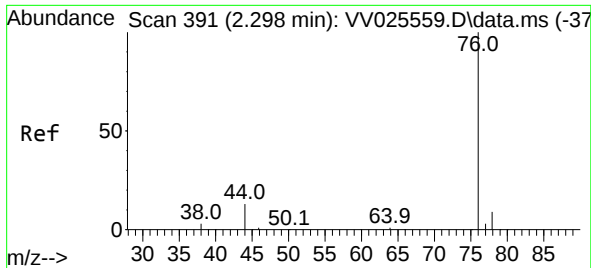
Tgt Ion: 62 Resp: 23240
 Ion Ratio Lower Upper
 62 100
 64 35.6 23.2 43.2



#12
 1,1-Dichloroethene
 Concen: 0.621 ug/L
 RT: 2.124 min Scan# 337
 Delta R.T. 0.003 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

Tgt Ion: 96 Resp: 5692
 Ion Ratio Lower Upper
 96 100
 61 262.2 125.2 232.4#
 63 676.9 114.4 212.4#

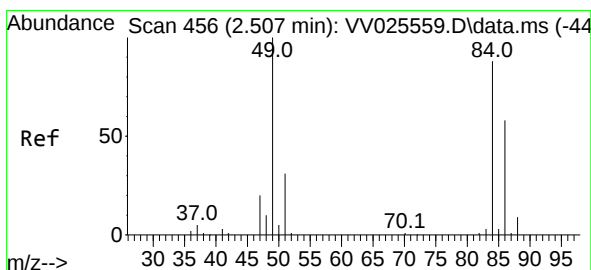
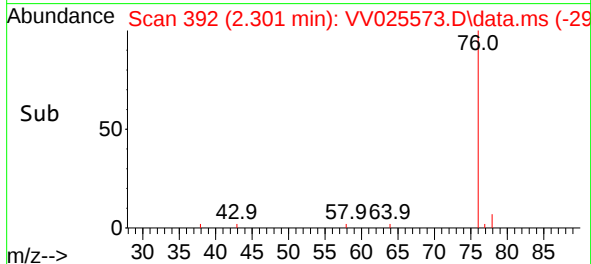
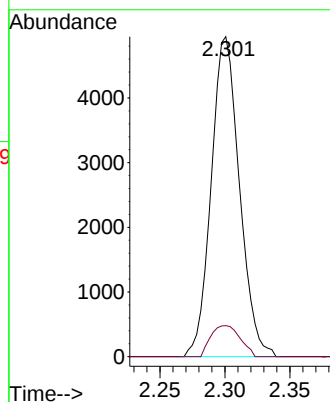
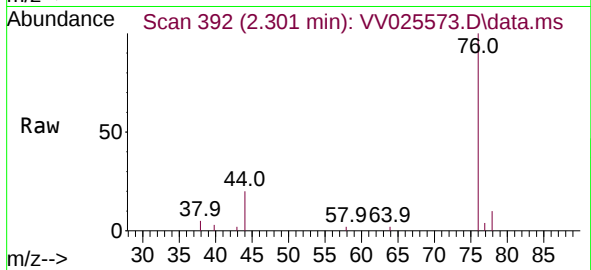




#14
Carbon disulfide
Concen: 0.341 ug/L
RT: 2.301 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

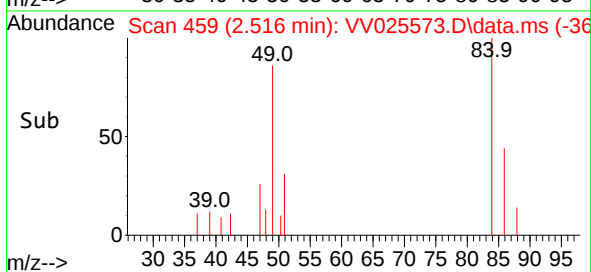
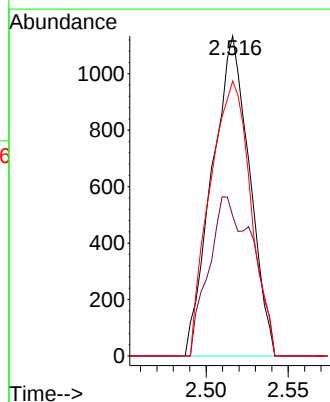
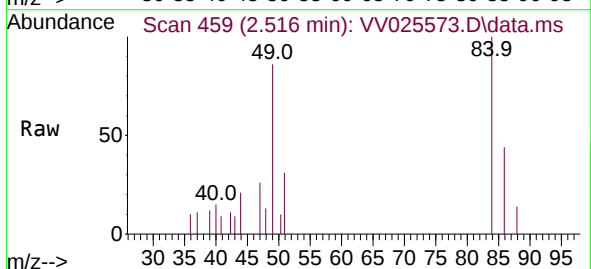
Instrument :
MSVOA_V
ClientSampleId :
EW6Q1

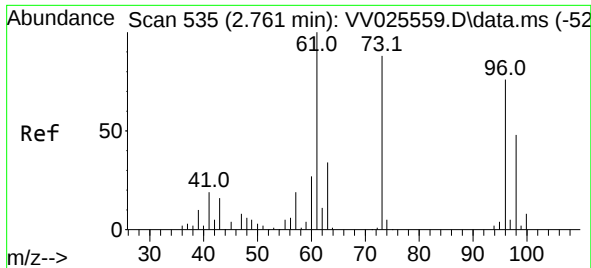
Tgt Ion: 76 Resp: 7480
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#16
Methylene chloride
Concen: 0.202 ug/L
RT: 2.516 min Scan# 459
Delta R.T. 0.010 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

Tgt Ion: 84 Resp: 1794
Ion Ratio Lower Upper
84 100
86 43.7 45.9 85.3#
49 85.9 76.6 142.3

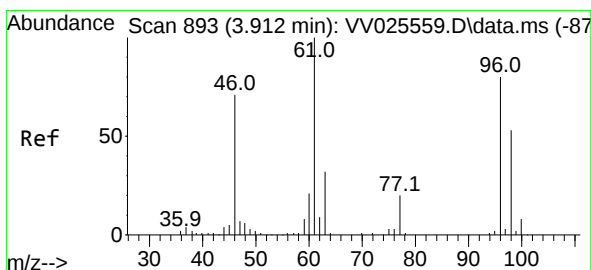
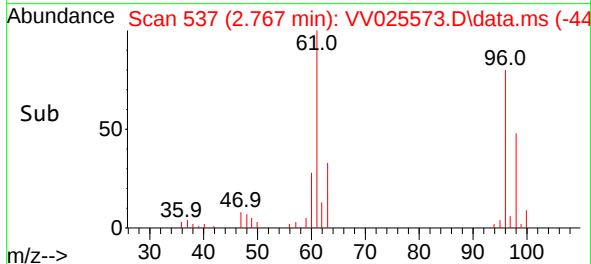
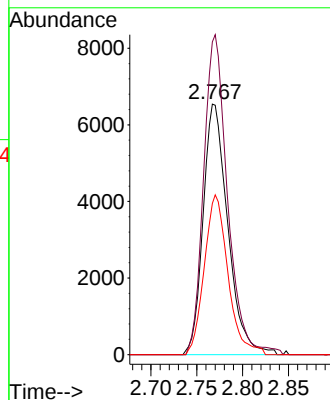
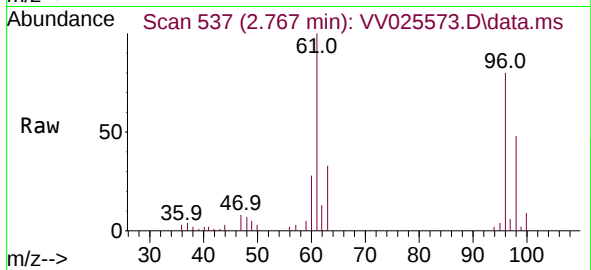




#18
trans-1,2-Dichloroethene
Concen: 1.598 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

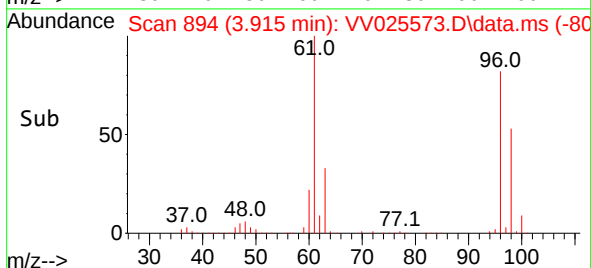
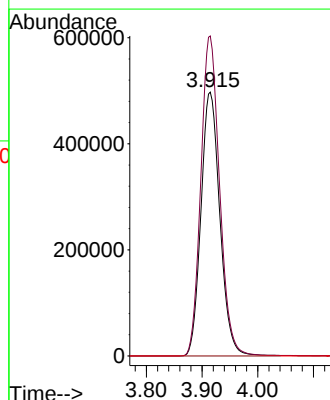
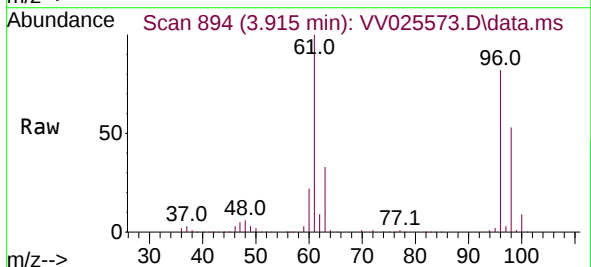
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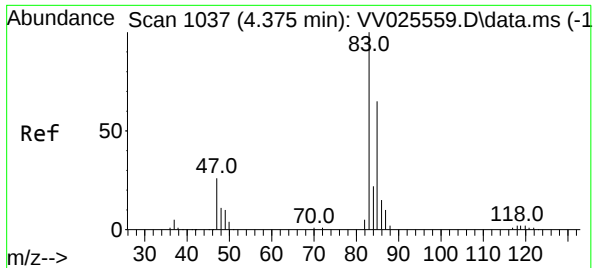
Tgt Ion: 96 Resp: 12277
Ion Ratio Lower Upper
96 100
61 124.8 92.1 171.1
98 60.3 47.5 88.1



#22
cis-1,2-Dichloroethene
Concen: 145.003 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

Tgt Ion: 96 Resp: 1172676
Ion Ratio Lower Upper
96 100
61 121.3 80.0 148.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.126 ug/L

RT: 4.387 min Scan# 1041

Delta R.T. 0.013 min

Lab File: VV025573.D

Acq: 15 Apr 2022 17:16

Instrument :

MSVOA_V

ClientSampleId :

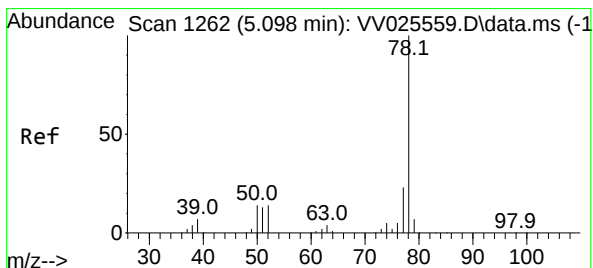
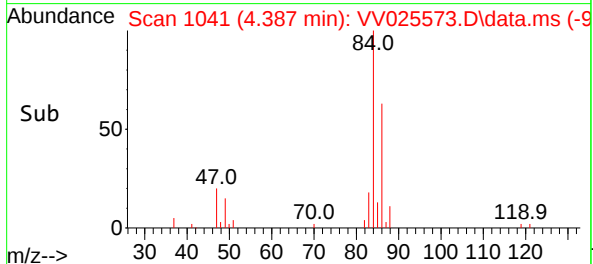
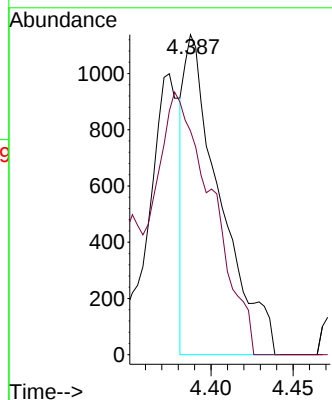
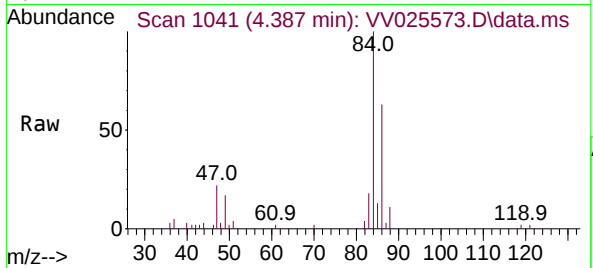
EW6Q1

Tgt Ion: 83 Resp: 1731

Ion Ratio Lower Upper

83 100

85 69.9 43.5 80.7



#33

Benzene

Concen: 0.066 ug/L

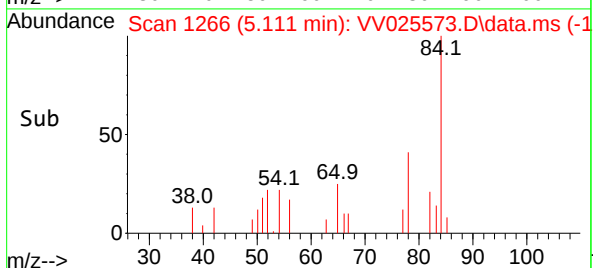
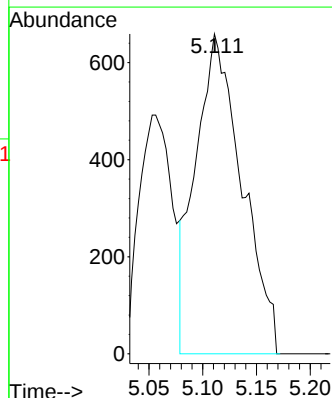
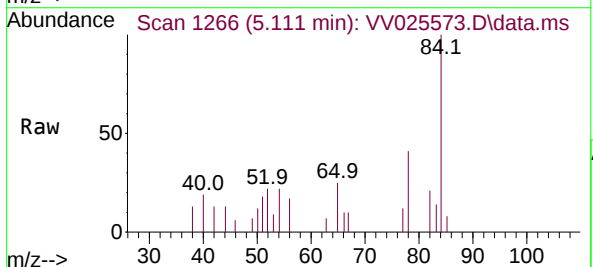
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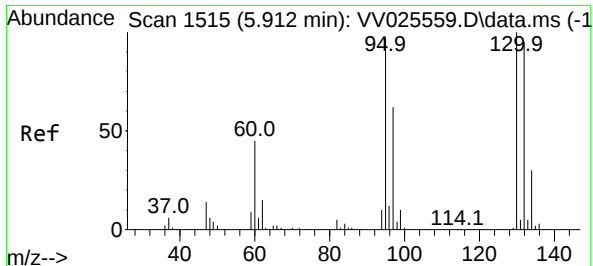
Delta R.T. 0.013 min

Lab File: VV025573.D

Acq: 15 Apr 2022 17:16

Tgt Ion: 78 Resp: 1973





#34

Trichloroethene

Concen: 77.388 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

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Acq: 15 Apr 2022 17:16

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 615951

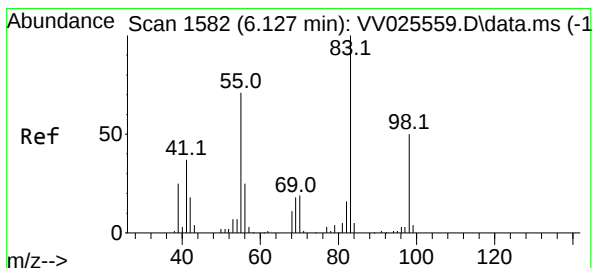
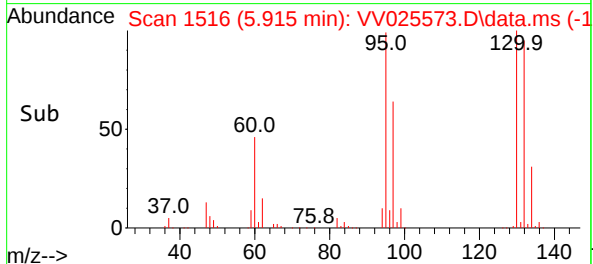
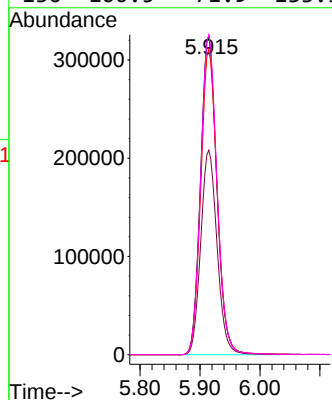
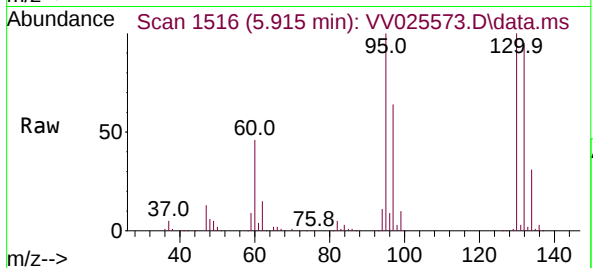
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.2

132 95.9 68.0 126.4

130 100.5 71.9 133.5



#35

Methylcyclohexane

Concen: 0.828 ug/L

RT: 6.075 min Scan# 1566

Delta R.T. -0.052 min

Lab File: VV025573.D

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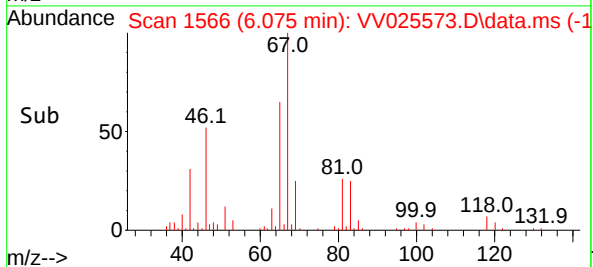
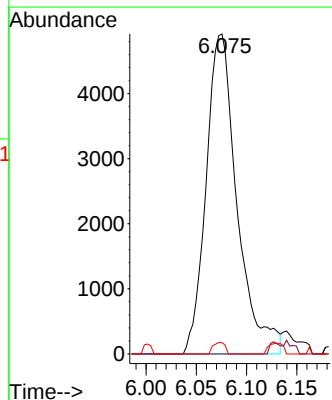
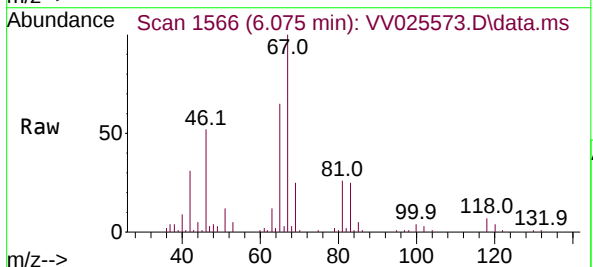
Tgt Ion: 83 Resp: 10512

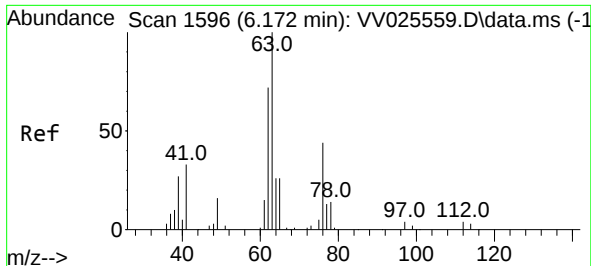
Ion Ratio Lower Upper

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55 1.4 53.7 80.5#

98 7.2 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.453 ug/L

RT: 6.182 min Scan# 1

Delta R.T. 0.010 min

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ClientSampleId :

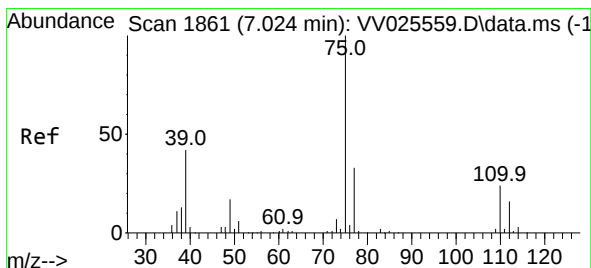
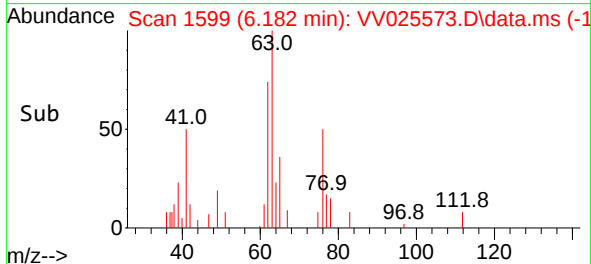
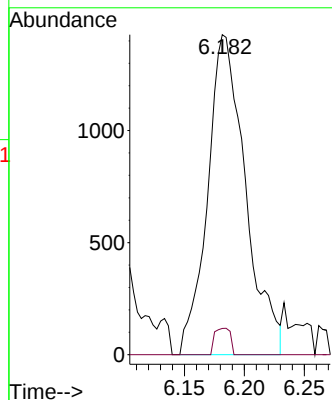
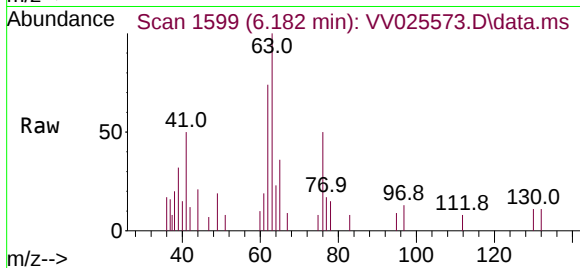
EW6Q1

Tgt Ion: 63 Resp: 3139

Ion Ratio Lower Upper

63 100

112 3.4 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025573.D

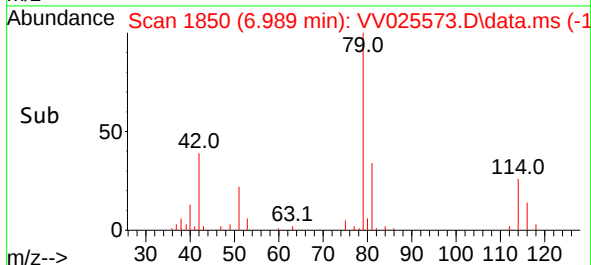
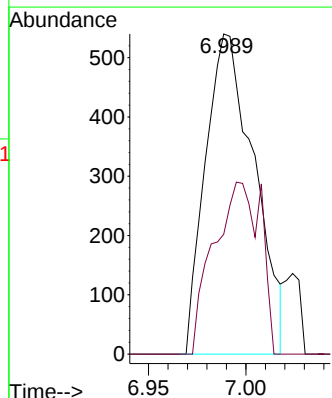
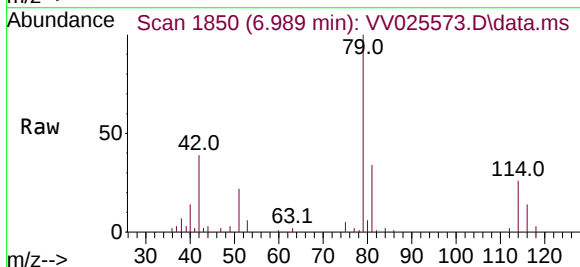
Acq: 15 Apr 2022 17:16

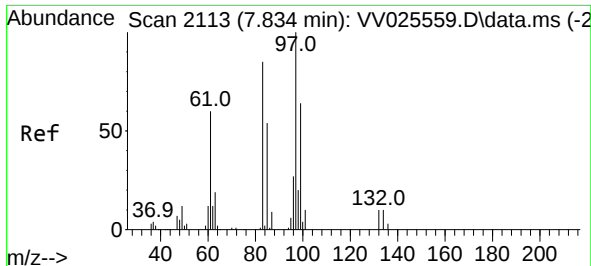
Tgt Ion: 75 Resp: 938

Ion Ratio Lower Upper

75 100

77 37.4 21.8 40.6

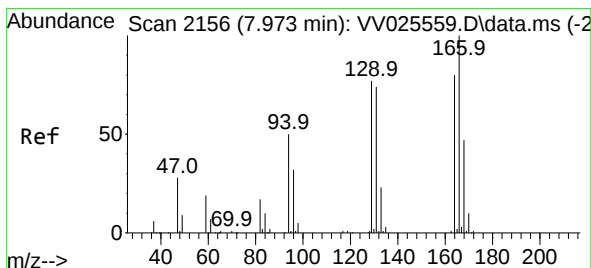
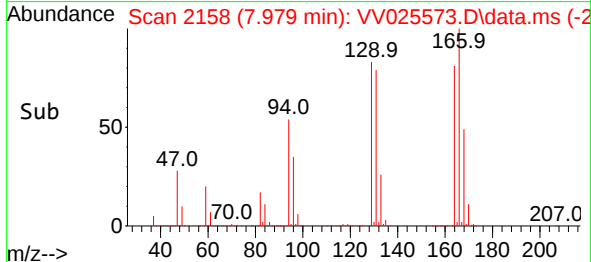
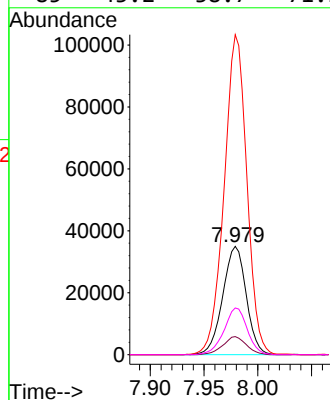
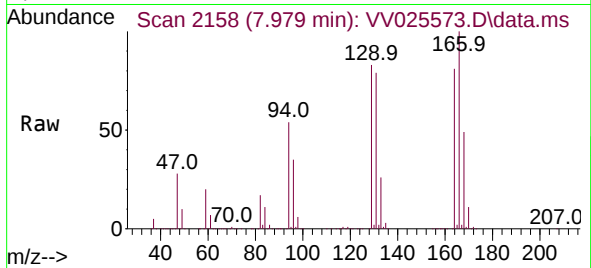




#45
1,1,2-Trichloroethane
Concen: 11.457 ug/L
RT: 7.979 min Scan# 2113
Delta R.T. 0.145 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

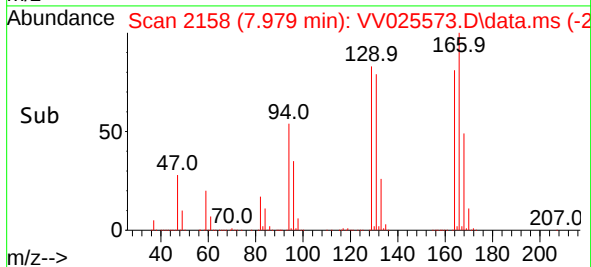
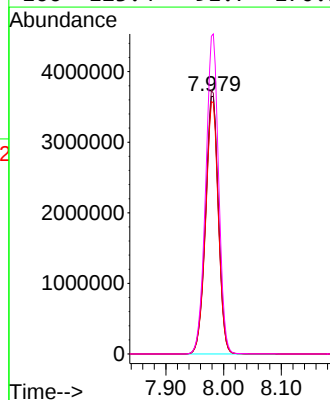
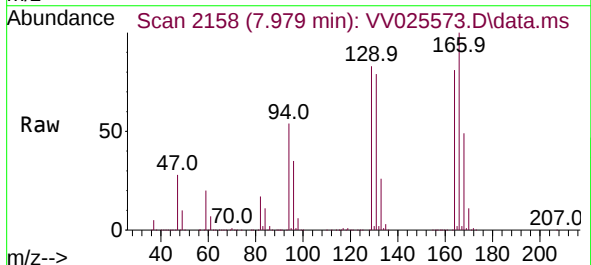
Instrument :
MSVOA_V
ClientSampleId :
EW6Q1

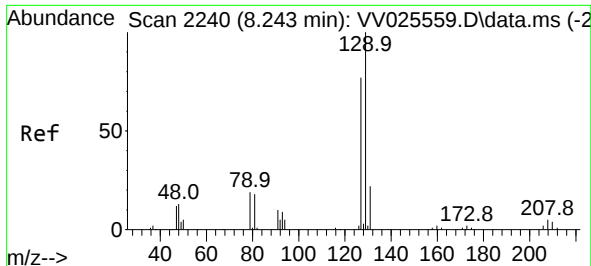
Tgt Ion:	97	Resp:	53204
Ion	Ratio	Lower	Upper
97	100		
99	16.6	43.8	81.4#
83	295.6	60.3	112.1#
85	43.2	38.7	71.9



#47
Tetrachloroethene
Concen: 907.563 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV025573.D
Acq: 15 Apr 2022 17:16

Tgt Ion:	164	Resp:	5655147
Ion	Ratio	Lower	Upper
164	100		
129	102.3	66.8	124.2
131	97.9	66.4	123.4
166	123.4	91.7	170.3





#49

Dibromochloromethane

Concen: 1111.512 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV025573.D

Acq: 15 Apr 2022 17:16

Instrument :

MSVOA_V

ClientSampleId :

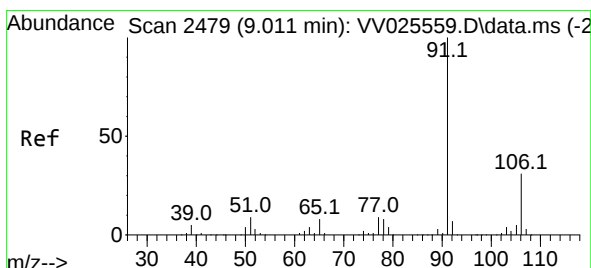
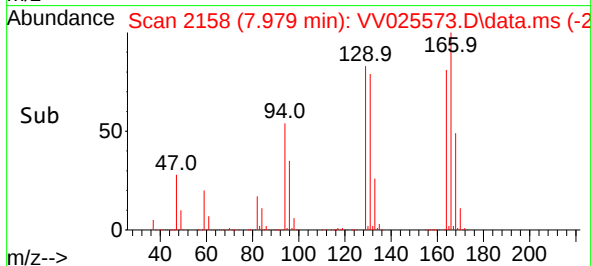
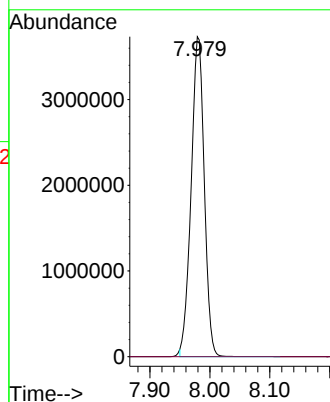
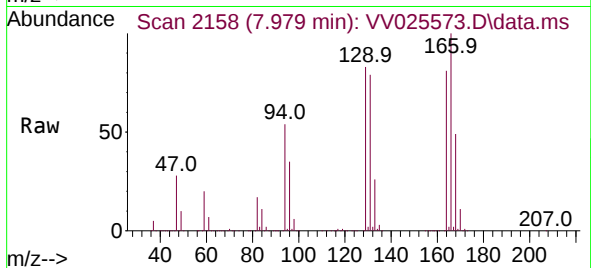
EW6Q1

Tgt Ion:129 Resp: 5666611

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.057 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.009 min

Lab File: VV025573.D

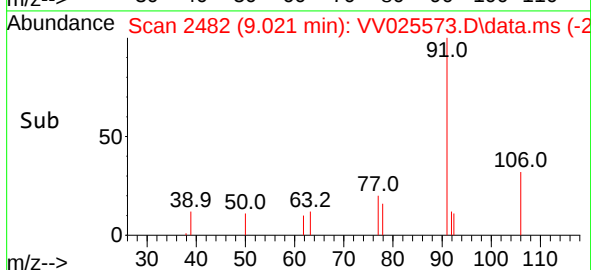
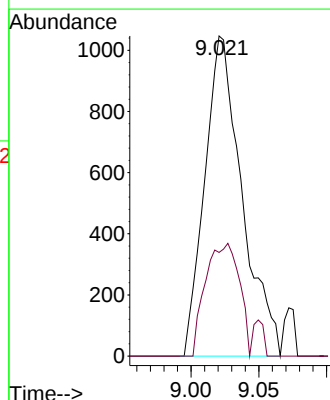
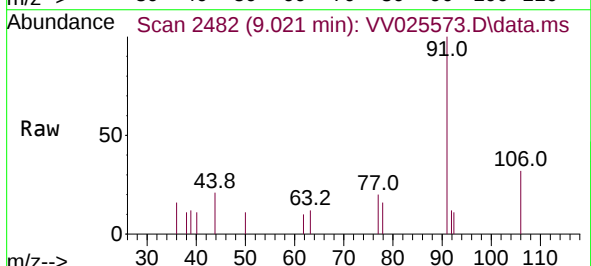
Acq: 15 Apr 2022 17:16

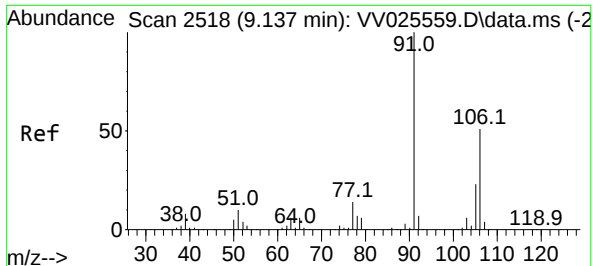
Tgt Ion: 91 Resp: 1998

Ion Ratio Lower Upper

91 100

106 32.4 22.3 41.3

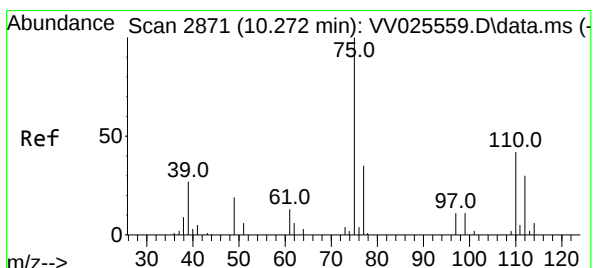
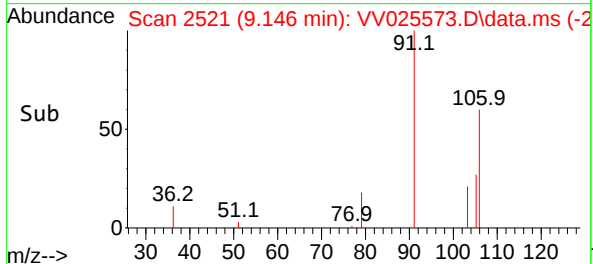
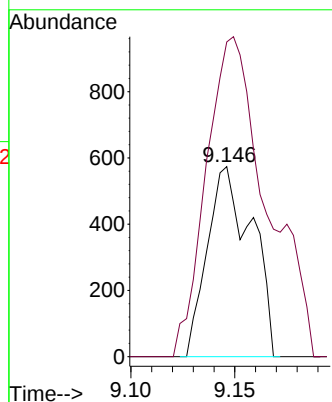
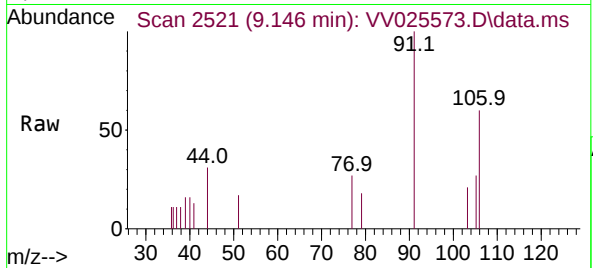




#53
 m,p-Xylene
 Concen: 0.065 ug/L
 RT: 9.146 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

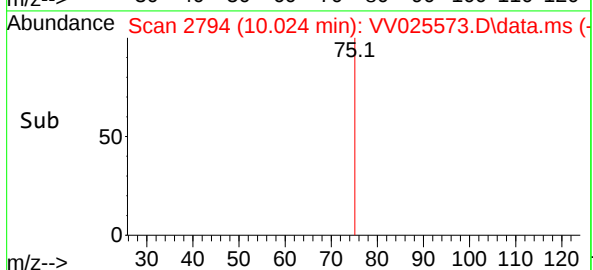
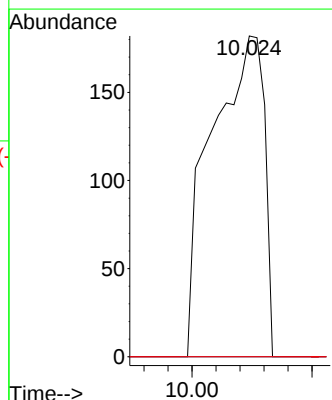
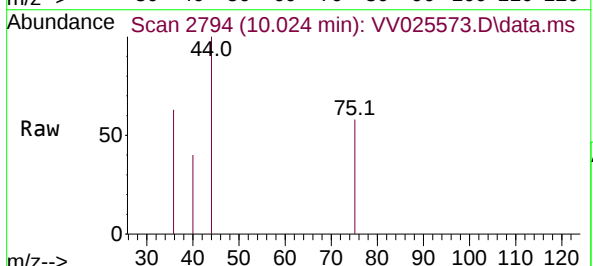
Instrument :
 MSVOA_V
 ClientSampleId :
 EW6Q1

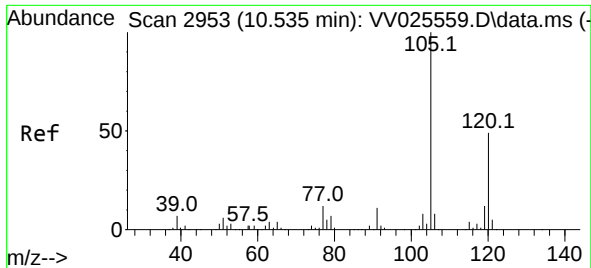
Tgt Ion:106 Resp: 853
 Ion Ratio Lower Upper
 106 100
 91 165.5 136.4 253.4



#61
 1,2,3-Trichloropropane
 Concen: 0.099 ug/L
 RT: 10.024 min Scan# 2794
 Delta R.T. -0.248 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

Tgt Ion: 75 Resp: 278
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 110 0.0 34.7 52.1#

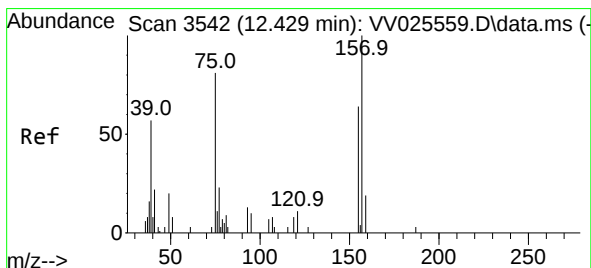
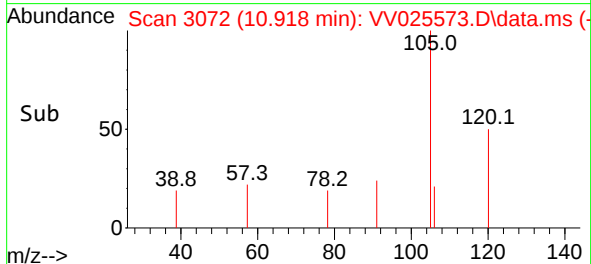
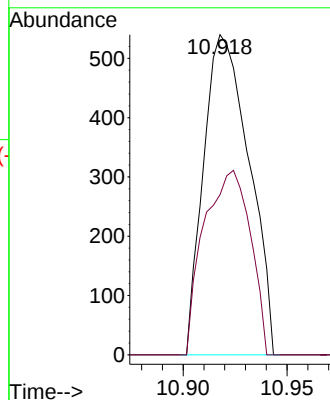
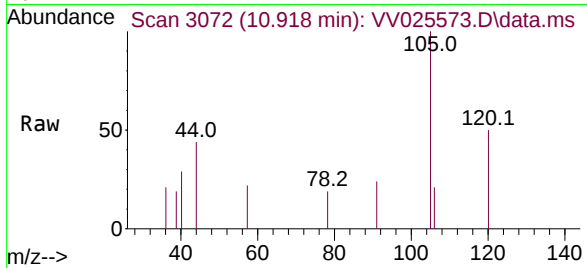




#62
 1,3,5-Trimethylbenzene
 Concen: 0.070 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.382 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6Q1

Tgt Ion:105 Resp: 821
 Ion Ratio Lower Upper
 105 100
 120 58.8 39.6 59.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.471 ug/L
 RT: 12.252 min Scan# 3487
 Delta R.T. -0.177 min
 Lab File: VV025573.D
 Acq: 15 Apr 2022 17:16

Tgt Ion: 75 Resp: 229
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.8#
 157 0.0 86.6 130.0#

