

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041522\
 Data File : VW025571.D
 Acq On : 15 Apr 2022 16:29
 Operator : SY/MD
 Sample : N2384-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6P9

Quant Time: Apr 16 02:43:57 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	106130	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	104119	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	42845	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.311	65	44300	4.490	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.571	69	43719	4.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.114	63	68804	3.481	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	3.912	46	69321	57.757	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.520%
24) Chloroform-d	4.355	84	75501	5.064	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.037	65	36360	5.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.200%
32) Benzene-d6	5.053	84	144478	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.072	67	44951	5.350	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.317	98	113975	4.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.629	79	11853	4.197	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.092	63	51463	51.925	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27496	5.180	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	37175	5.175	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	46555	4.856	ug/L	99
3) Chloromethane	1.243	50	392	0.038	ug/L	91
13) Acetone	2.204	43	4772	5.858	ug/L	99
14) Carbon disulfide	2.301	76	14202	0.645	ug/L	97
15) Methyl Acetate	2.439	43	1055	0.583	ug/L #	43
21) 2-Butanone	4.015	43	1200	1.066	ug/L	78
22) cis-1,2-Dichloroethene	3.921	96	10587	1.304	ug/L	88
25) Chloroform	4.384	83	7376	0.535	ug/L	91
30) Cyclohexane	4.683	56	872	0.078	ug/L	89
33) Benzene	5.105	78	7078	0.230	ug/L	100
34) Trichloroethene	5.924	95	4408	0.540	ug/L	93
35) Methylcyclohexane	6.127	83	1879	0.144	ug/L	96
37) 1,2-Dichloropropane	6.072	63	5115	0.719	ug/L #	85
42) Toluene	7.397	91	12248	0.366	ug/L	94
44) trans-1,3-Dichloropropene	7.632	75	579	0.080	ug/L #	75
47) Tetrachloroethene	7.976	164	93183	14.575	ug/L	97
49) Dibromochloromethane	7.973	129	89128	17.039	ug/L #	11
52) Ethylbenzene	9.018	91	10554	0.296	ug/L	98
53) m,p-Xylene	9.146	106	1926	0.142	ug/L	77

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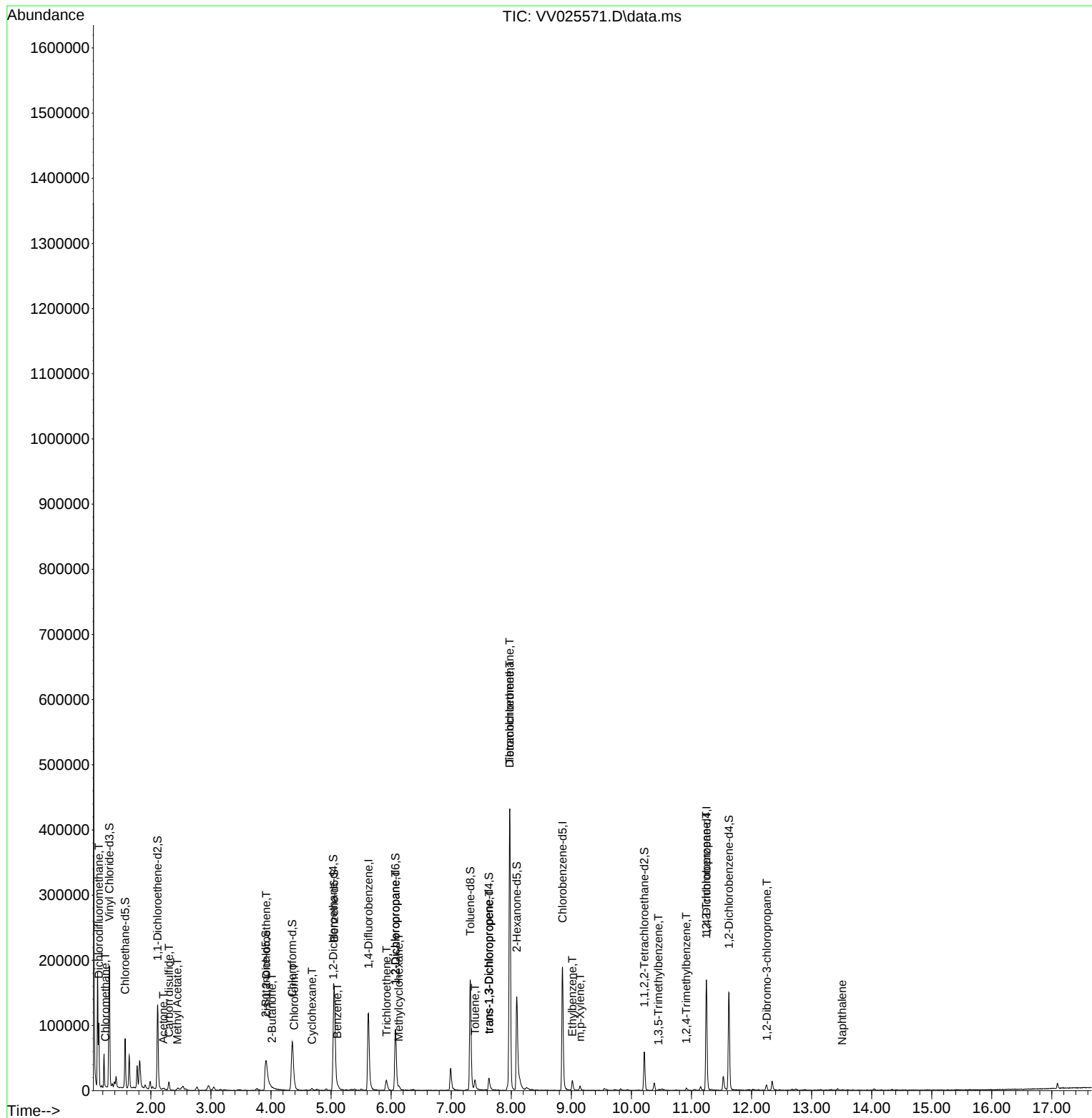
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	5208	1.846	ug/L #	57
62) 1,3,5-Trimethylbenzene	10.452	105	1015	0.086	ug/L	91
63) 1,2,4-Trimethylbenzene	10.915	105	2141	0.100	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.252	75	184	0.377	ug/L #	2
71) Naphthalene	13.509	128	785	0.074	ug/L #	81

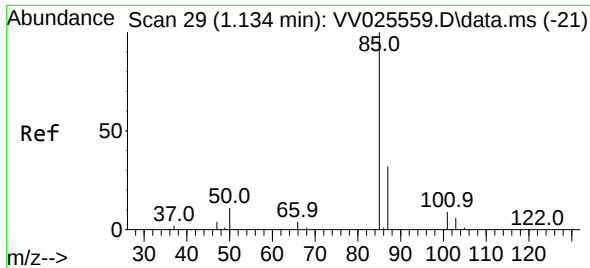
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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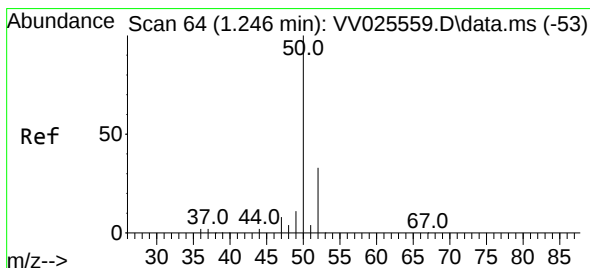
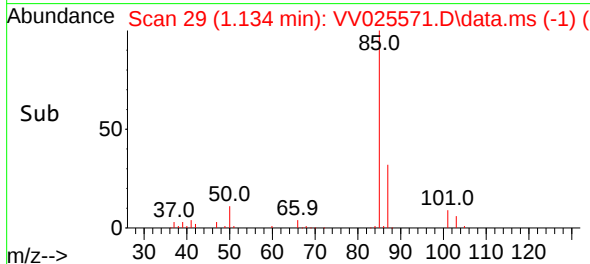
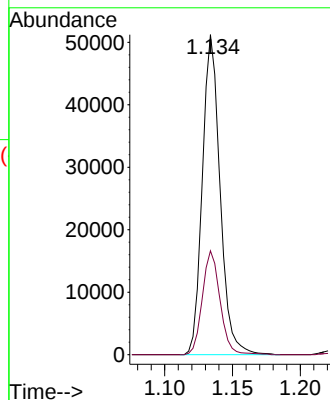
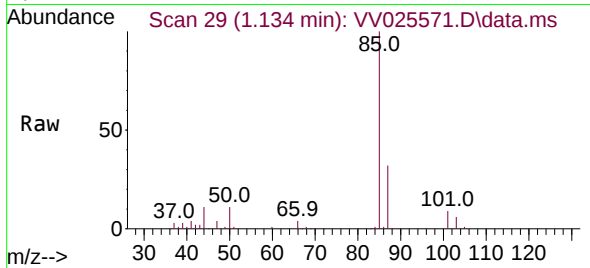




#2
 Dichlorodifluoromethane
 Concen: 4.856 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

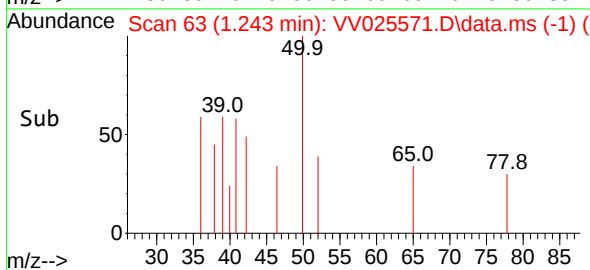
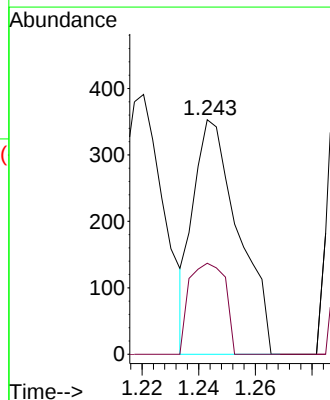
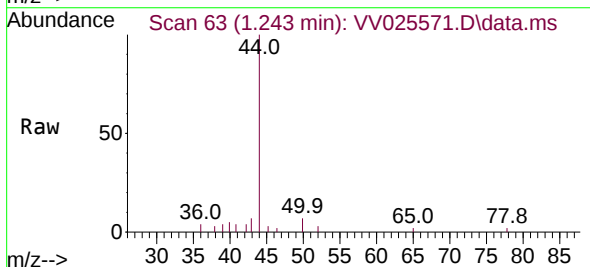
Instrument :
 MSVOA_V
 ClientSampleId :
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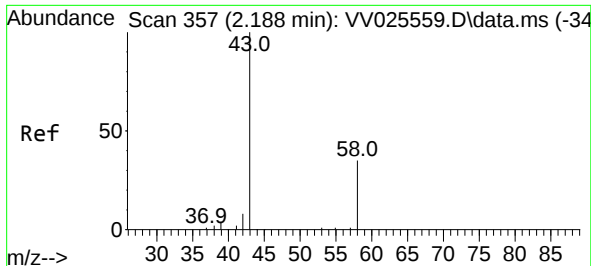
Tgt Ion: 85 Resp: 46555
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 0.038 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.003 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

Tgt Ion: 50 Resp: 392
 Ion Ratio Lower Upper
 50 100
 52 38.8 23.7 43.9





#13

Acetone

Concen: 5.858 ug/L

RT: 2.204 min Scan# 3

Delta R.T. 0.016 min

Lab File: VV025571.D

Acq: 15 Apr 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

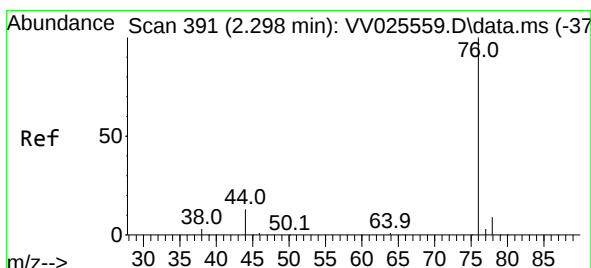
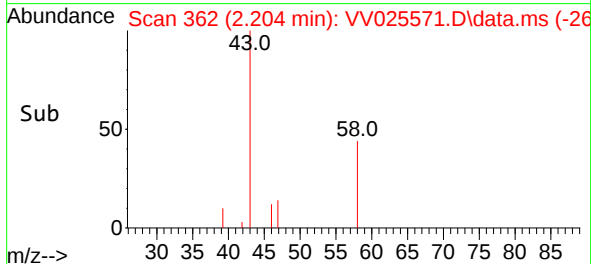
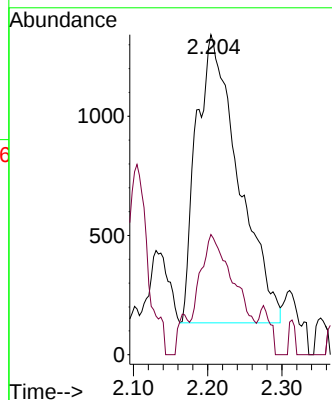
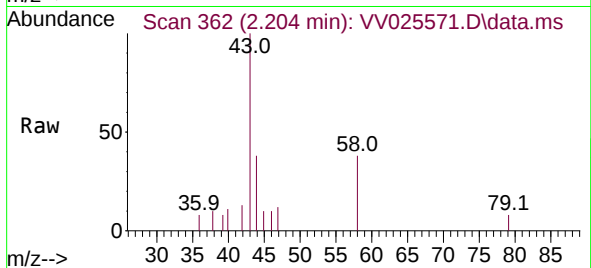
EW6P9

Tgt Ion: 43 Resp: 4772

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.2



#14

Carbon disulfide

Concen: 0.645 ug/L

RT: 2.301 min Scan# 392

Delta R.T. 0.003 min

Lab File: VV025571.D

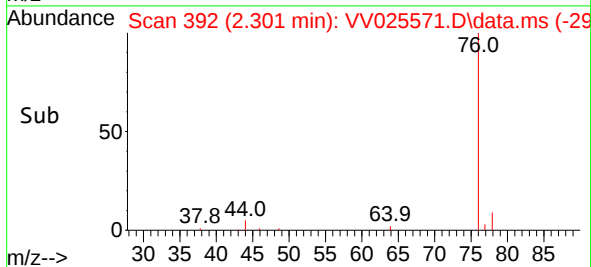
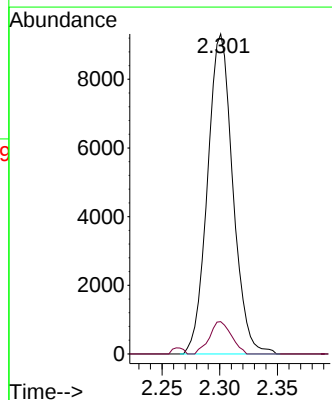
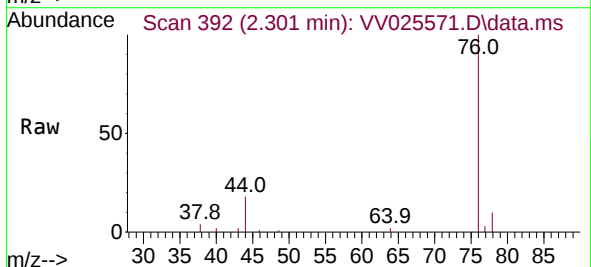
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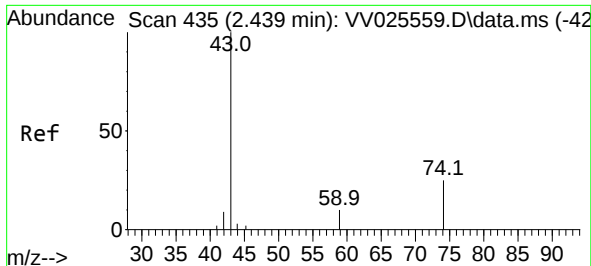
Tgt Ion: 76 Resp: 14202

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9

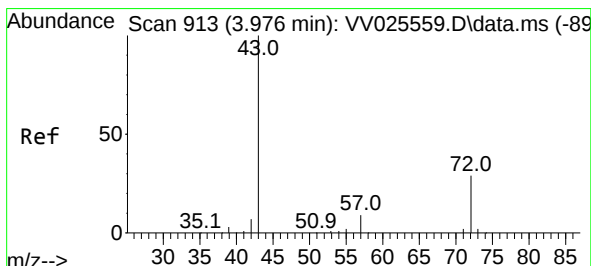
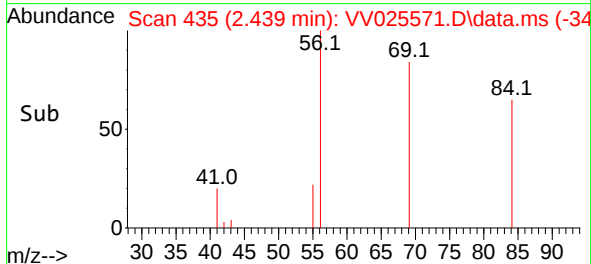
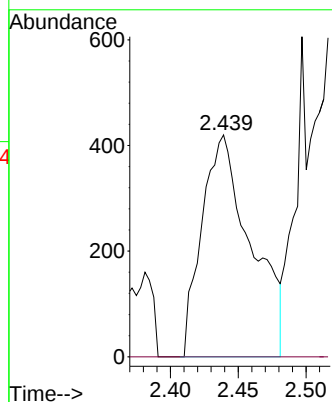
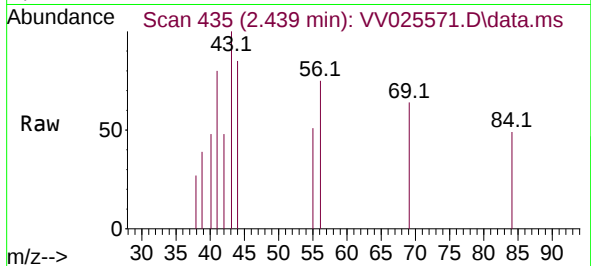




#15
Methyl Acetate
Concen: 0.583 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

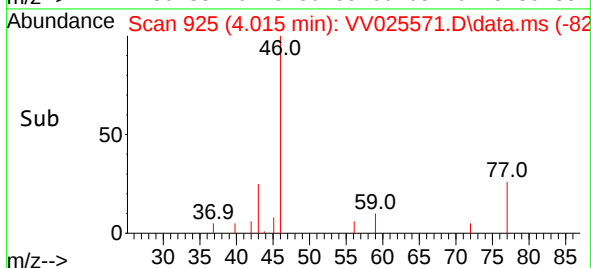
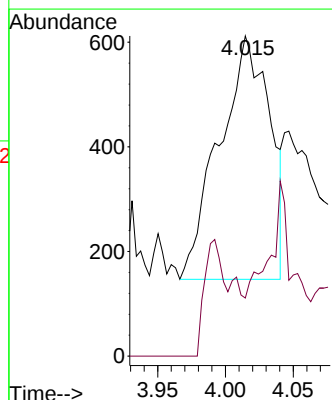
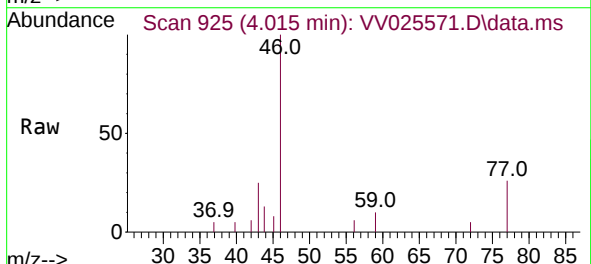
Instrument :
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EW6P9

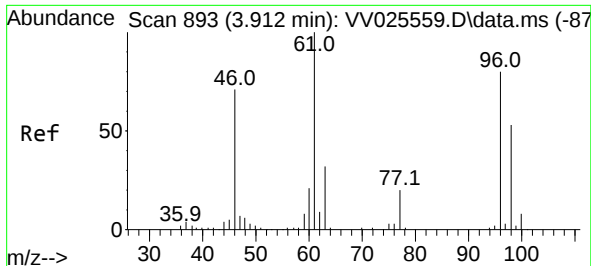
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
74 0.0 25.2 37.8#



#21
2-Butanone
Concen: 1.066 ug/L
RT: 4.015 min Scan# 925
Delta R.T. 0.039 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
72 18.7 15.2 45.6

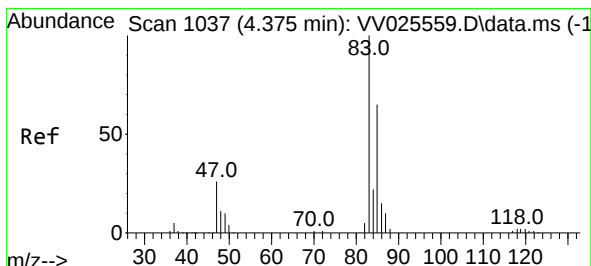
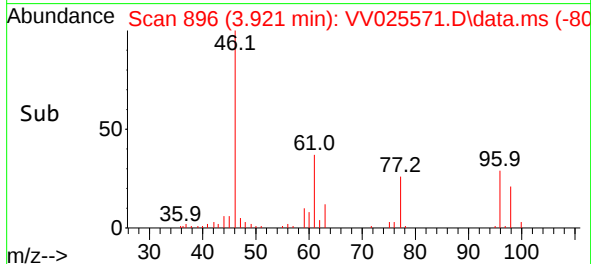
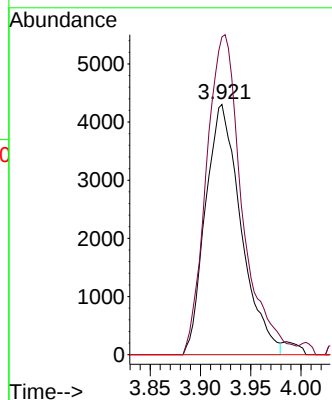
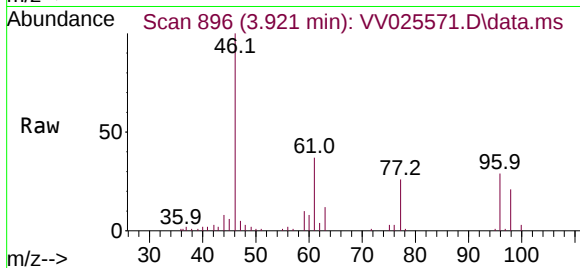




#22
 cis-1,2-Dichloroethene
 Concen: 1.304 ug/L
 RT: 3.921 min Scan# 896
 Delta R.T. 0.010 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

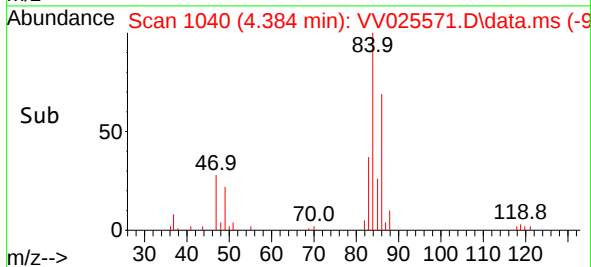
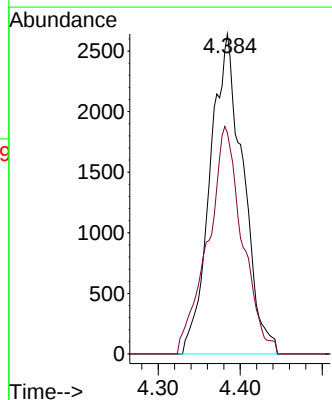
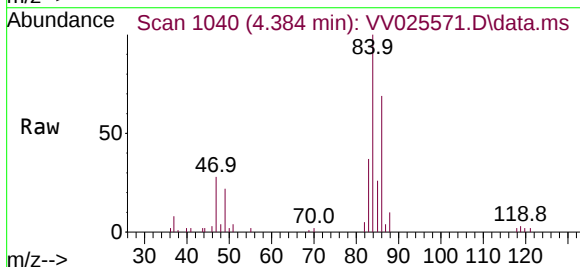
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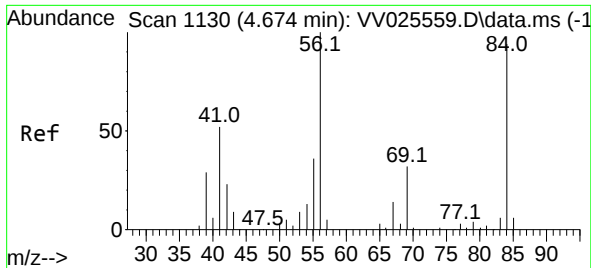
Tgt Ion: 96 Resp: 10587
 Ion Ratio Lower Upper
 96 100
 61 126.9 80.0 148.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.535 ug/L
 RT: 4.384 min Scan# 1040
 Delta R.T. 0.010 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

Tgt Ion: 83 Resp: 7376
 Ion Ratio Lower Upper
 83 100
 85 69.1 43.5 80.7

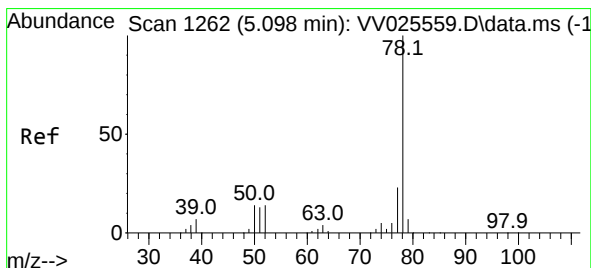
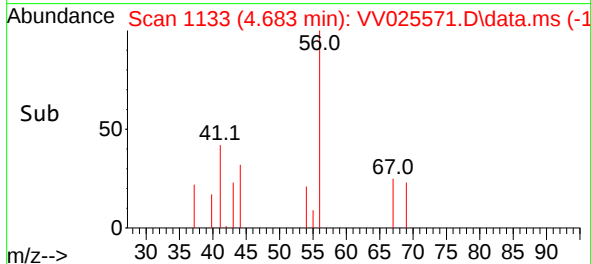
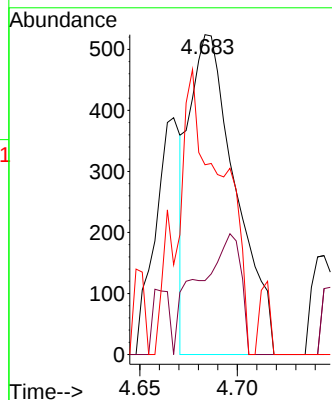
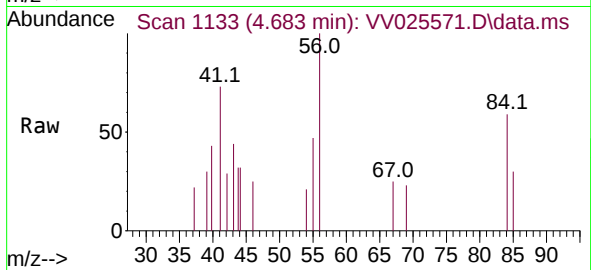




#30
Cyclohexane
Concen: 0.078 ug/L
RT: 4.683 min Scan# 1130
Delta R.T. 0.010 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

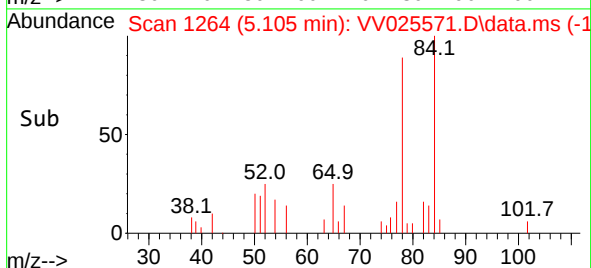
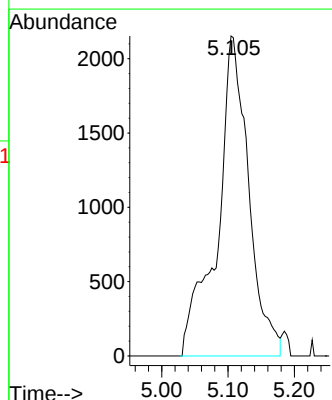
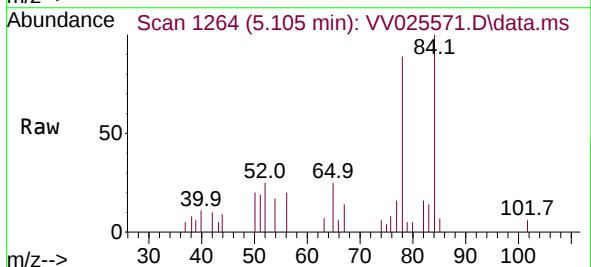
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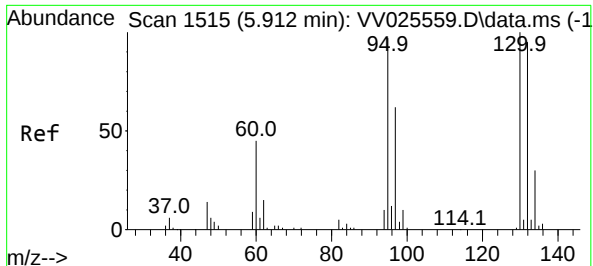
Tgt Ion: 56 Resp: 872
Ion Ratio Lower Upper
56 100
69 34.4 26.1 39.1
84 85.2 78.6 118.0



#33
Benzene
Concen: 0.230 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Tgt Ion: 78 Resp: 7078





#34

Trichloroethene

Concen: 0.540 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.013 min

Lab File: VV025571.D

Acq: 15 Apr 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

EW6P9

Tgt Ion: 95 Resp: 4408

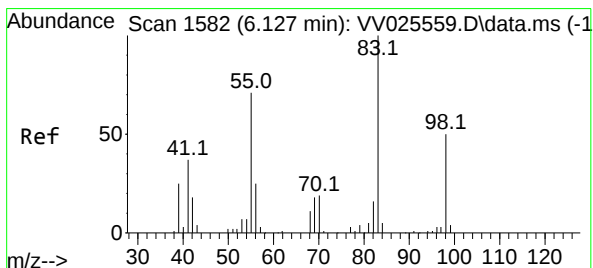
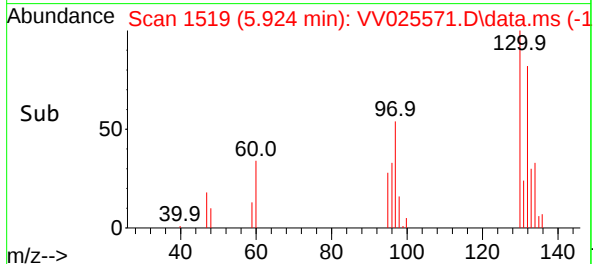
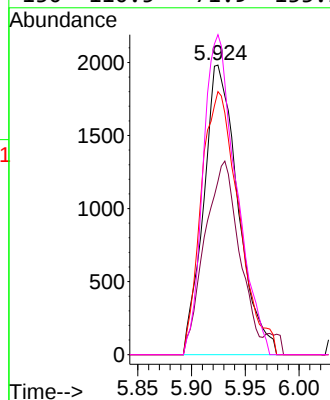
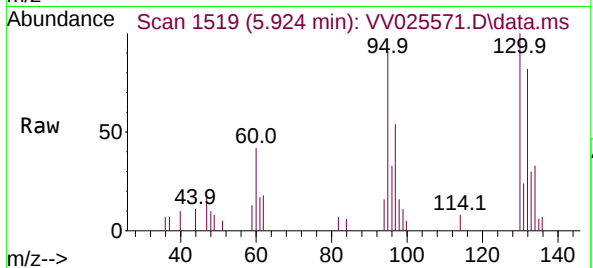
Ion Ratio Lower Upper

95 100

97 59.9 45.8 85.2

132 90.8 68.0 126.4

130 110.5 71.9 133.5



#35

Methylcyclohexane

Concen: 0.144 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV025571.D

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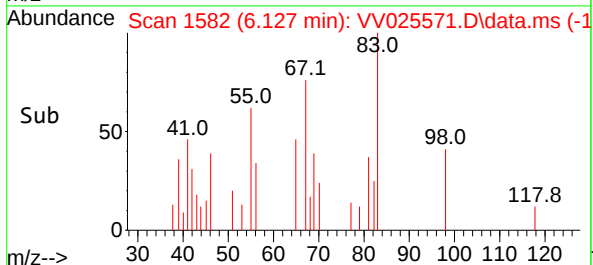
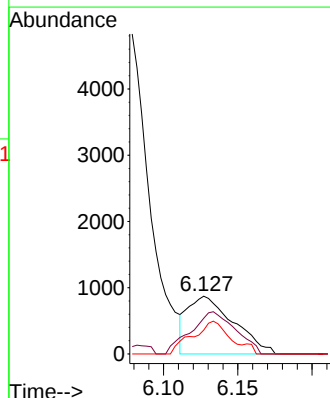
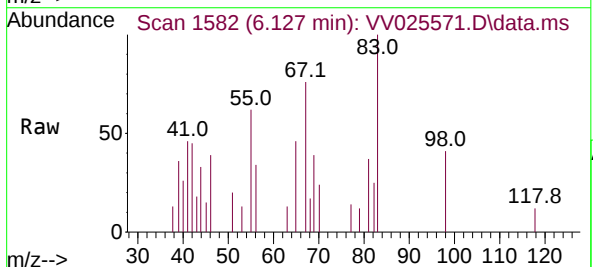
Tgt Ion: 83 Resp: 1879

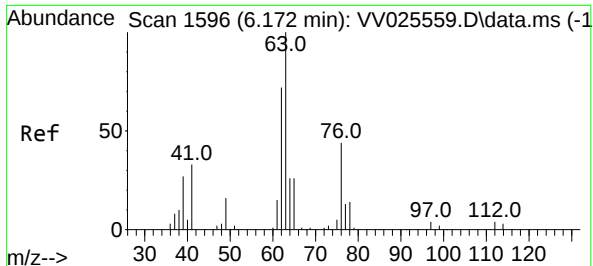
Ion Ratio Lower Upper

83 100

55 71.0 53.7 80.5

98 46.8 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.719 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV025571.D

Acq: 15 Apr 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

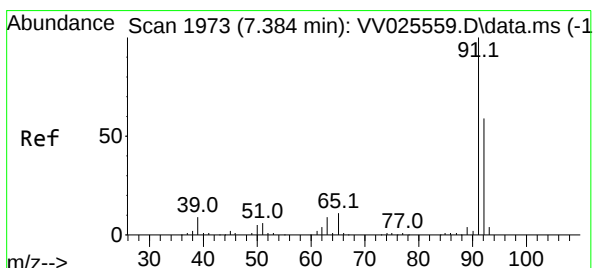
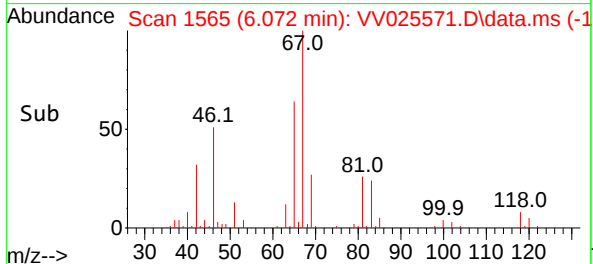
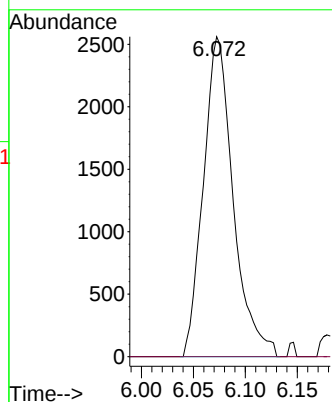
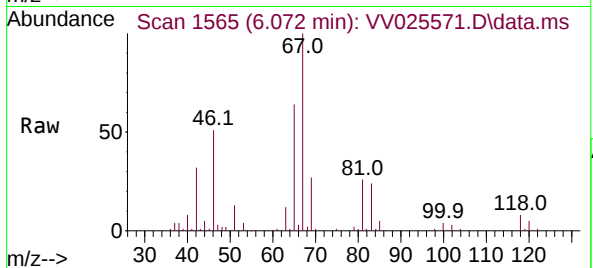
EW6P9

Tgt Ion: 63 Resp: 5115

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#42

Toluene

Concen: 0.366 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.013 min

Lab File: VV025571.D

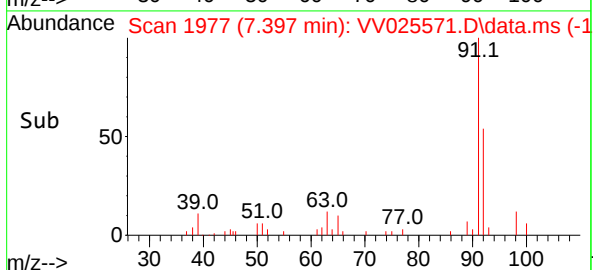
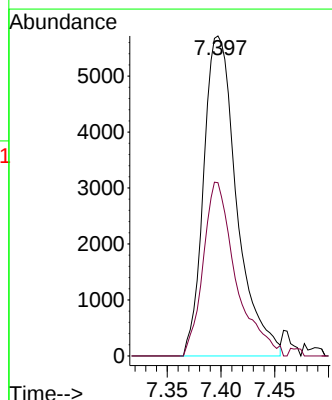
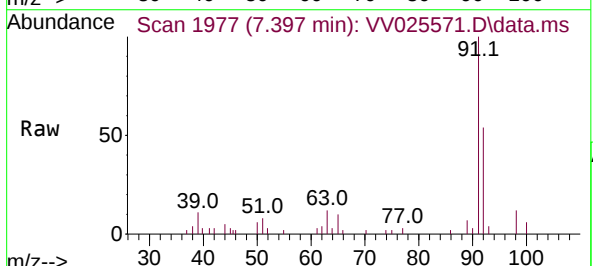
Acq: 15 Apr 2022 16:29

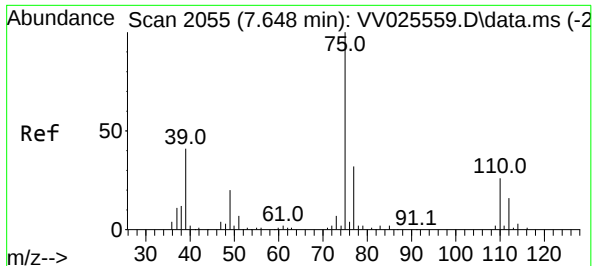
Tgt Ion: 91 Resp: 12248

Ion Ratio Lower Upper

91 100

92 54.1 40.8 75.8

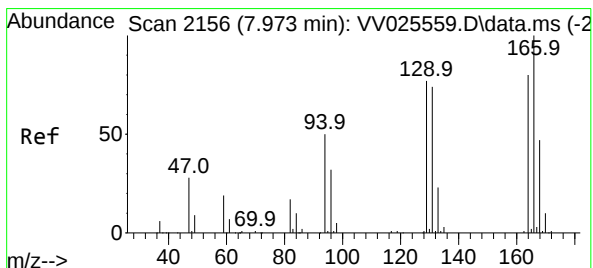
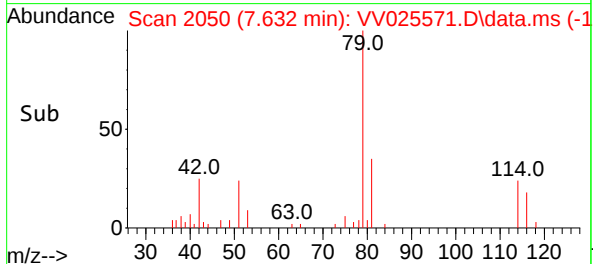
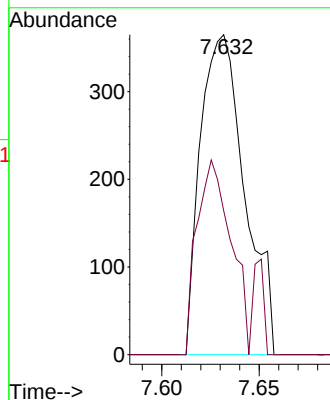
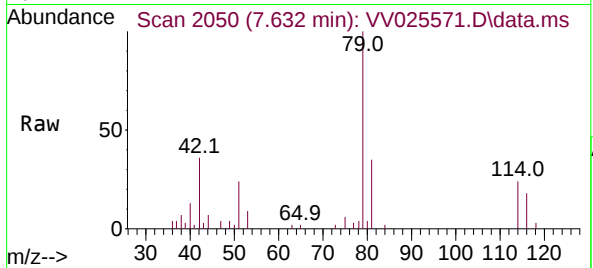




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.632 min Scan# 2055
Delta R.T. -0.016 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

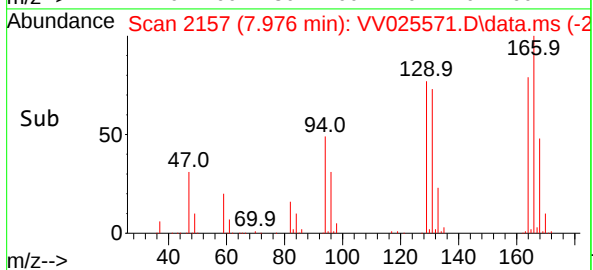
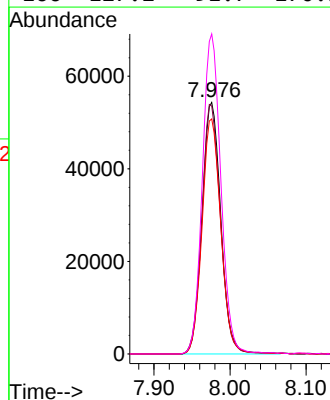
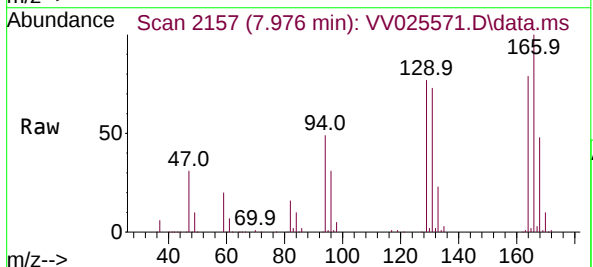
Instrument :
MSVOA_V
ClientSampleId :
EW6P9

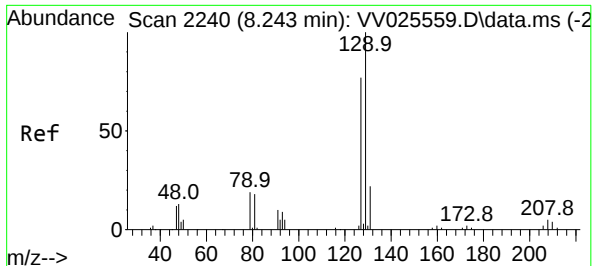
Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
77 44.9 21.7 40.3#



#47
Tetrachloroethene
Concen: 14.575 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Tgt Ion: 164 Resp: 93183
Ion Ratio Lower Upper
164 100
129 98.6 66.8 124.2
131 93.4 66.4 123.4
166 127.2 91.7 170.3





#49

Dibromochloromethane

Concen: 17.039 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV025571.D

Acq: 15 Apr 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

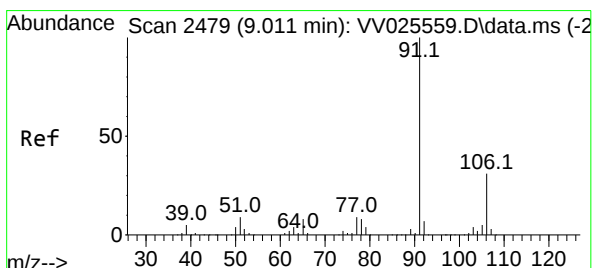
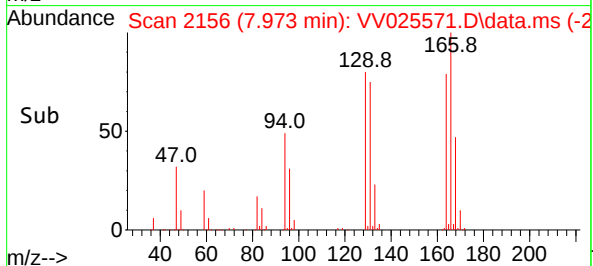
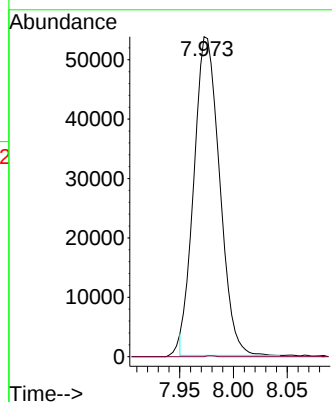
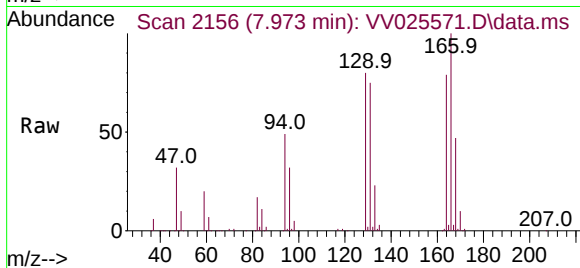
EW6P9

Tgt Ion:129 Resp: 89128

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.296 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.006 min

Lab File: VV025571.D

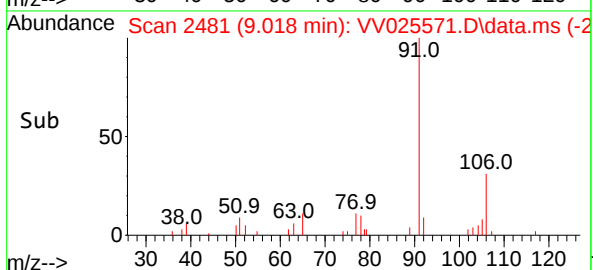
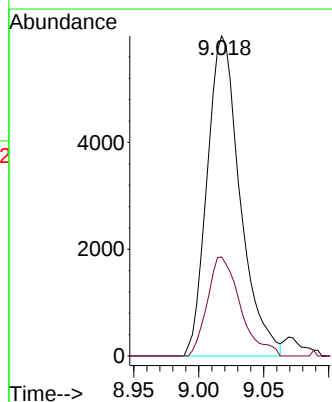
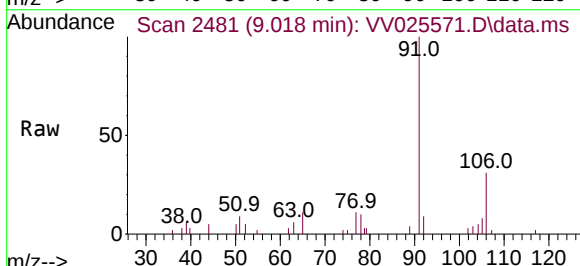
Acq: 15 Apr 2022 16:29

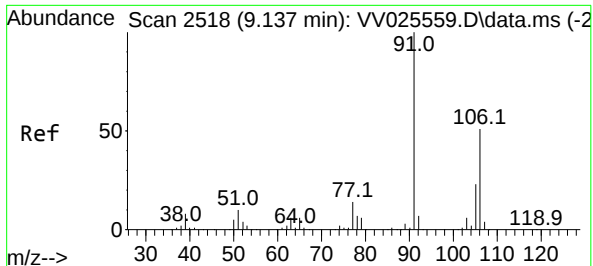
Tgt Ion: 91 Resp: 10554

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.3

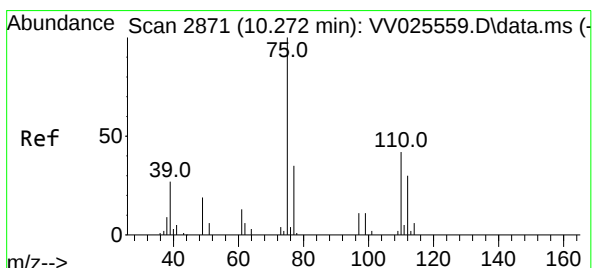
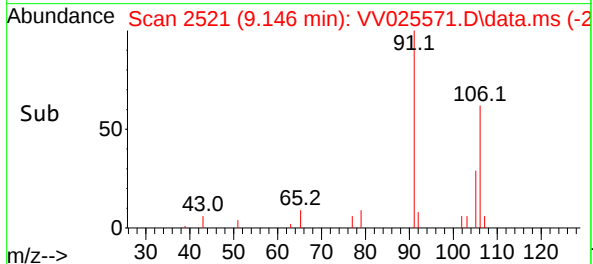
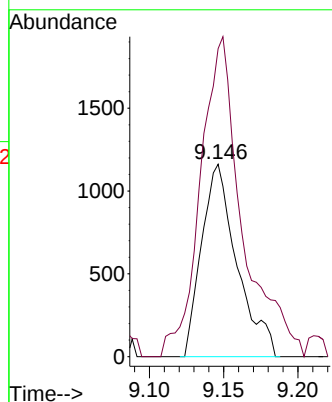
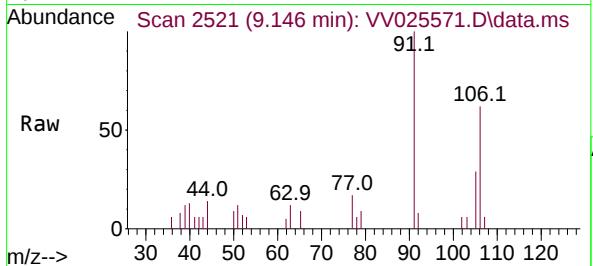




#53
 m,p-Xylene
 Concen: 0.142 ug/L
 RT: 9.146 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

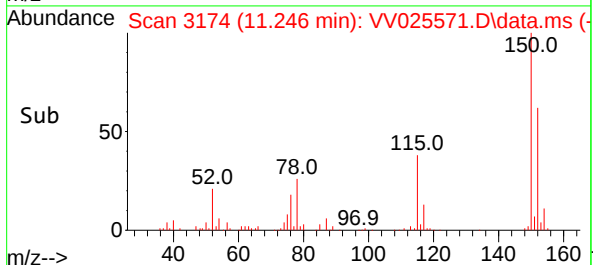
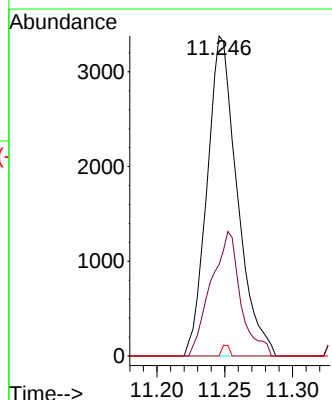
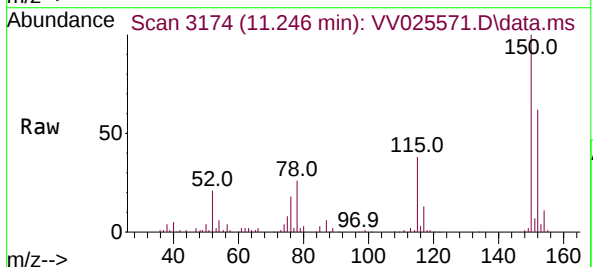
Instrument :
 MSVOA_V
 ClientSampleId :
 EW6P9

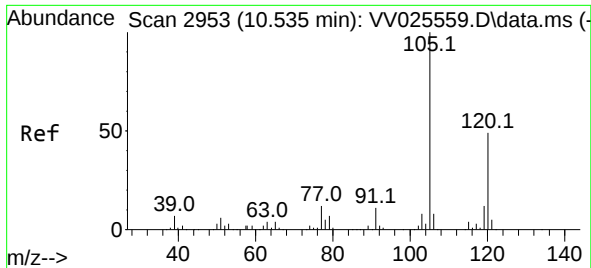
Tgt Ion:106 Resp: 1926
 Ion Ratio Lower Upper
 106 100
 91 160.1 136.4 253.4



#61
 1,2,3-Trichloropropane
 Concen: 1.846 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV025571.D
 Acq: 15 Apr 2022 16:29

Tgt Ion: 75 Resp: 5208
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.6 38.4
 110 0.8 34.7 52.1#

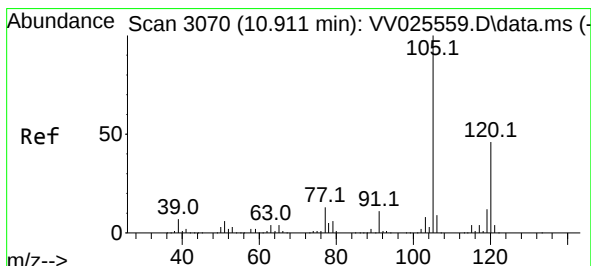
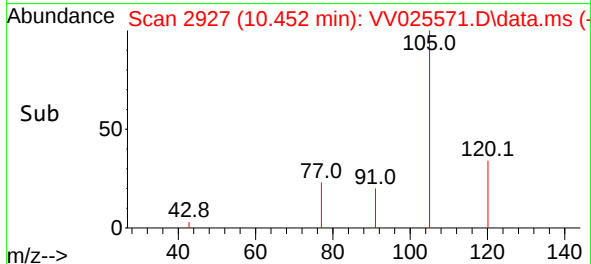
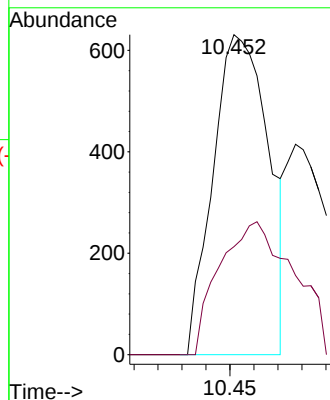
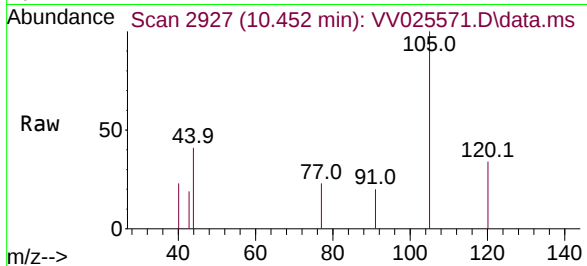




#62
1,3,5-Trimethylbenzene
Concen: 0.086 ug/L
RT: 10.452 min Scan# 2953
Delta R.T. -0.084 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

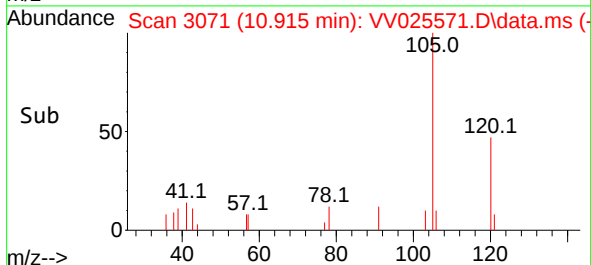
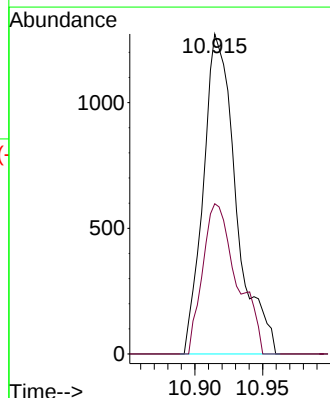
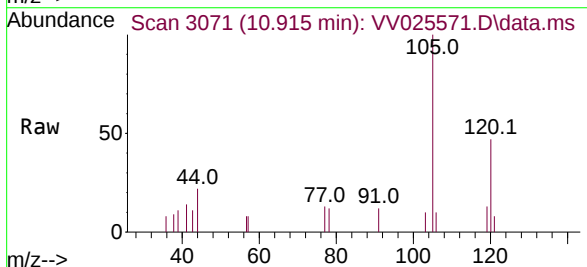
Instrument :
MSVOA_V
ClientSampleId :
EW6P9

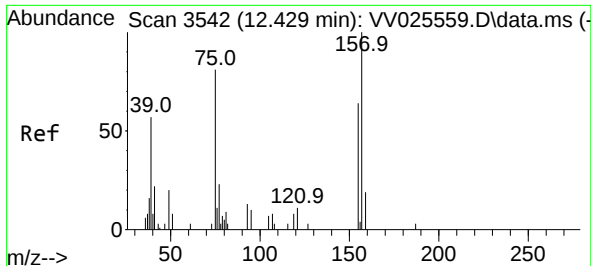
Tgt Ion:105 Resp: 1015
Ion Ratio Lower Upper
105 100
120 55.6 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 0.100 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Tgt Ion:105 Resp: 2141
Ion Ratio Lower Upper
105 100
120 48.9 36.6 55.0

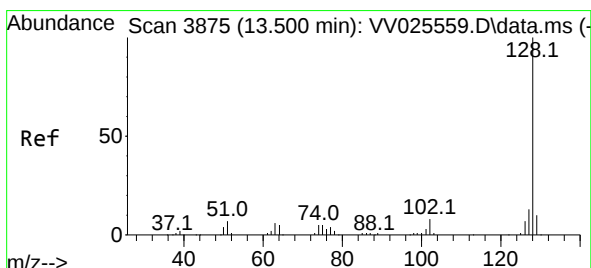
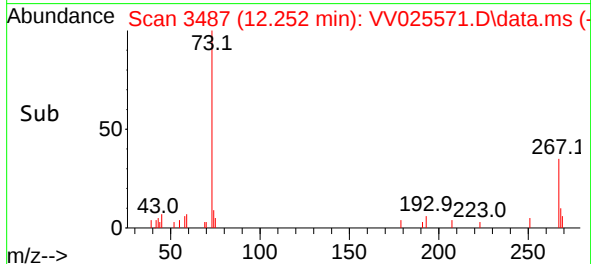
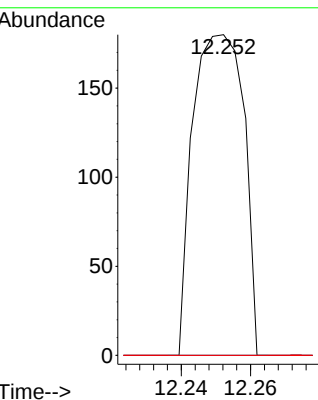
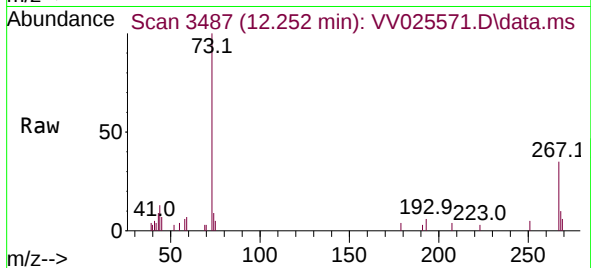




#68
1,2-Dibromo-3-chloropropane
Concen: 0.377 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.177 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Instrument :
MSVOA_V
ClientSampleId :
EW6P9

Tgt Ion: 75 Resp: 184
Ion Ratio Lower Upper
75 100
155 0.0 65.8 98.8#
157 0.0 86.6 130.0#



#71
Naphthalene
Concen: 0.074 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV025571.D
Acq: 15 Apr 2022 16:29

Tgt Ion: 128 Resp: 785
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 9.2 10.4 15.6#

