

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092722\
 Data File : VW028145.D
 Acq On : 27 Sep 2022 17:29
 Operator : SY/MD
 Sample : N4856-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5H33

Quant Time: Sep 28 03:12:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 28 03:08:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	179283	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	175214	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	87953	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	57468	3.092	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.800%
7) Chloroethane-d5	1.561	69	54139	3.664	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.102	63	78431	2.433	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.600%#
20) 2-Butanone-d5	3.883	46	172292	54.907	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.820%
24) Chloroform-d	4.343	84	126174	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.027	65	61883	4.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.044	84	231558	4.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.063	67	77876	4.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.310	98	183057	3.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	7.622	79	23593	3.647	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.085	63	138459	51.277	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.560%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	58969	4.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	80005	4.638	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.304	62	4393	0.316	ug/L #	54
8) Chloroethane	1.394	64	266001	28.532	ug/L #	50
12) 1,1-Dichloroethene	2.111	96	4688	0.378	ug/L #	1
13) Acetone	2.182	43	38788	16.048	ug/L	98
14) Carbon disulfide	2.291	76	1658	0.070	ug/L #	74
15) Methyl Acetate	2.491	43	40716	8.678	ug/L #	55
17) Methyl tert-butyl Ether	2.764	73	1066112	40.000	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	490156	45.193	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	136568	9.596	ug/L	99
30) Cyclohexane	4.674	56	8268	0.531	ug/L	90
33) Benzene	5.098	78	27108	0.557	ug/L	100
34) Trichloroethene	5.915	95	13554	1.119	ug/L	99
35) Methylcyclohexane	6.063	83	18751	1.129	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	8274	0.607	ug/L #	88
39) cis-1,3-Dichloropropene	6.989	75	1497	0.088	ug/L #	72
45) 1,1,2-Trichloroethane	7.783	97	2890	0.316	ug/L #	19
47) Tetrachloroethene	7.982	164	723	0.075	ug/L	87
49) Dibromochloromethane	7.973	129	672	0.061	ug/L #	11
52) Ethylbenzene	9.011	91	6319	0.118	ug/L	93

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 28 03:08:11 2022
Response via : Initial Calibration

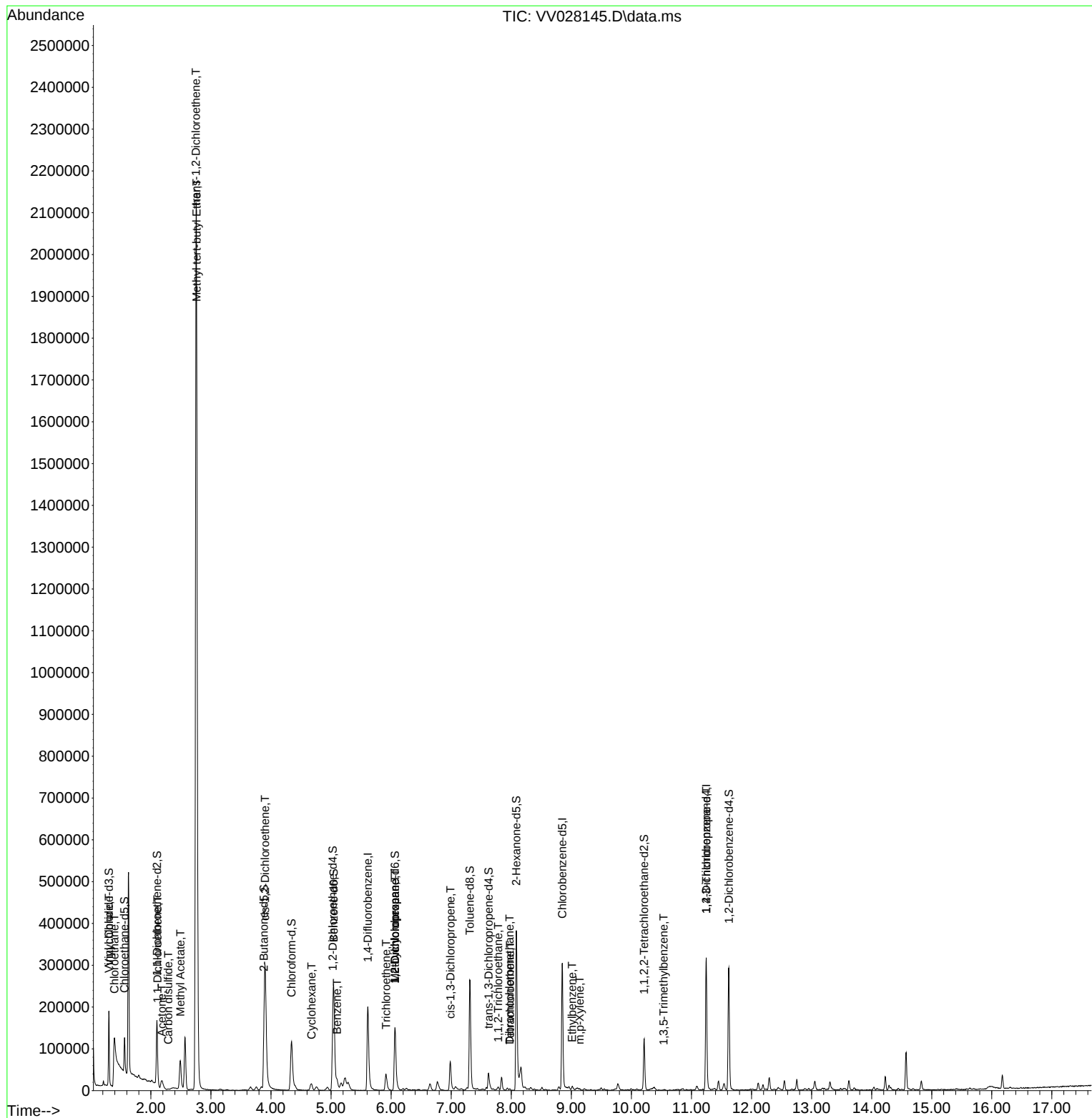
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.140	106	664	0.032	ug/L	70
61) 1,2,3-Trichloropropane	11.246	75	9170	1.243	ug/L #	69
62) 1,3,5-Trimethylbenzene	10.535	105	603	0.041	ug/L #	81

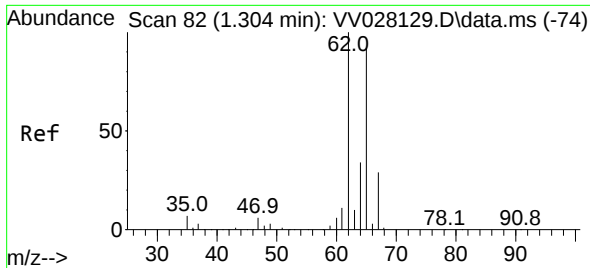
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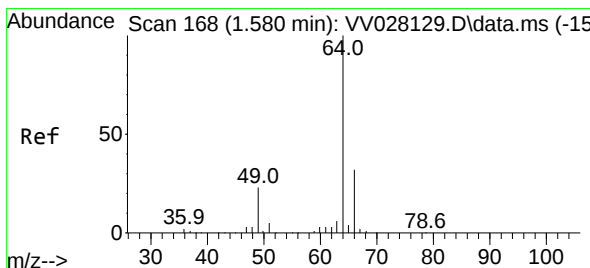
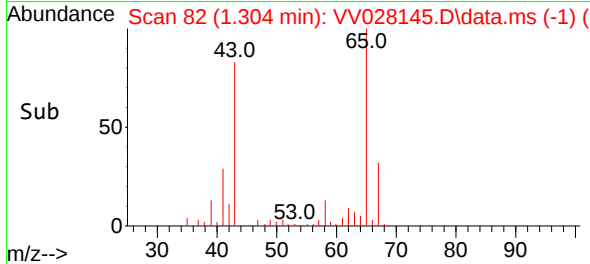
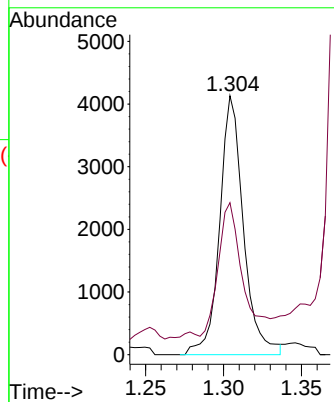
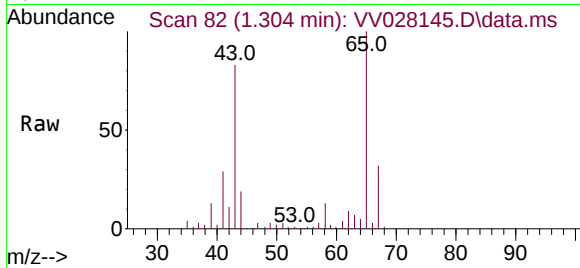




#5
 Vinyl chloride
 Concen: 0.316 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028145.D
 Acq: 27 Sep 2022 17:29

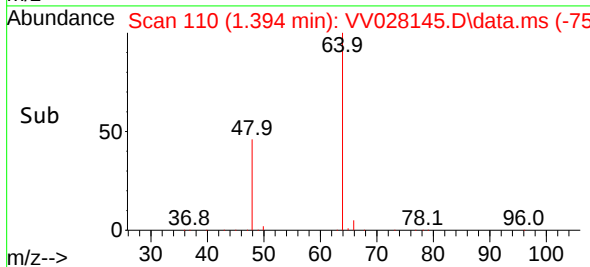
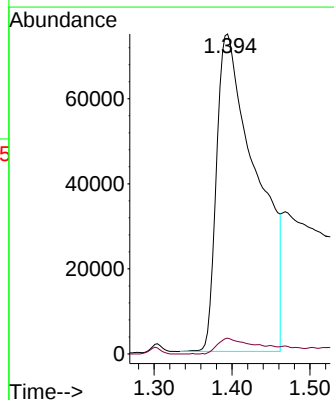
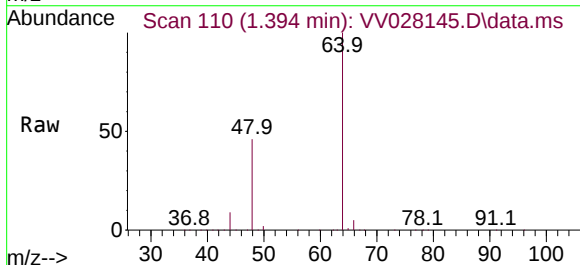
Instrument :
 MSVOA_V
 ClientSampleId :
 F5H33

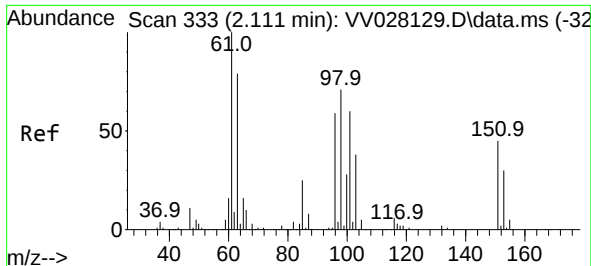
Tgt Ion: 62 Resp: 4393
 Ion Ratio Lower Upper
 62 100
 64 58.8 23.0 42.8#



#8
 Chloroethane
 Concen: 28.532 ug/L
 RT: 1.394 min Scan# 110
 Delta R.T. -0.186 min
 Lab File: VV028145.D
 Acq: 27 Sep 2022 17:29

Tgt Ion: 64 Resp: 266001
 Ion Ratio Lower Upper
 64 100
 66 4.9 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.378 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV028145.D

Acq: 27 Sep 2022 17:29

Instrument :

MSVOA_V

ClientSampleId :

F5H33

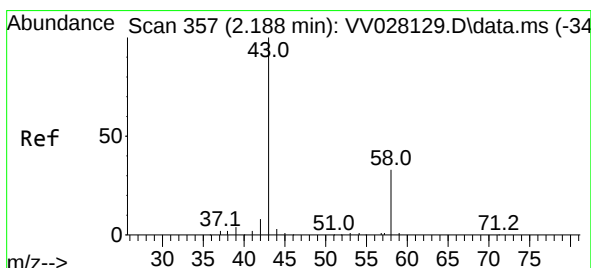
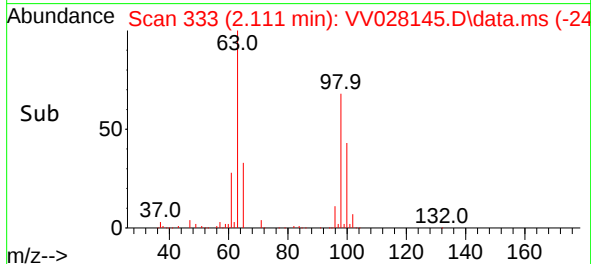
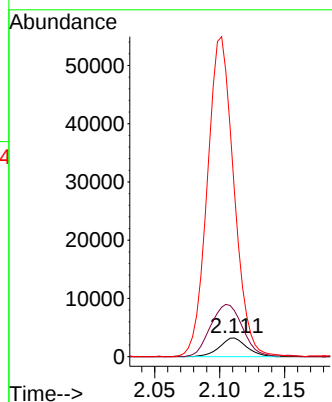
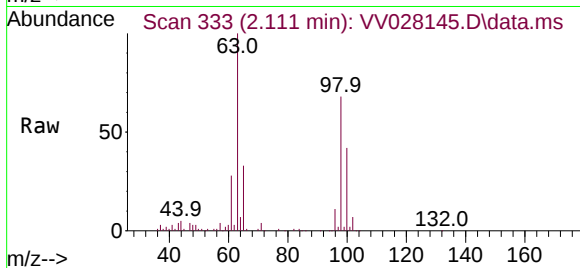
Tgt Ion: 96 Resp: 4688

Ion Ratio Lower Upper

96 100

61 246.0 128.3 238.3#

63 889.7 112.7 209.3#



#13

Acetone

Concen: 16.048 ug/L

RT: 2.182 min Scan# 355

Delta R.T. -0.006 min

Lab File: VV028145.D

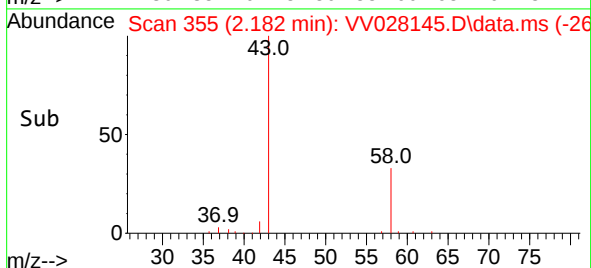
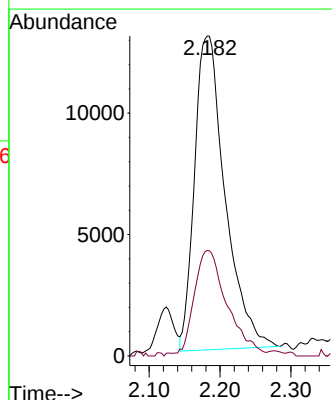
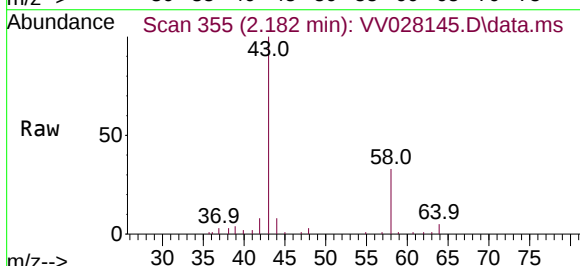
Acq: 27 Sep 2022 17:29

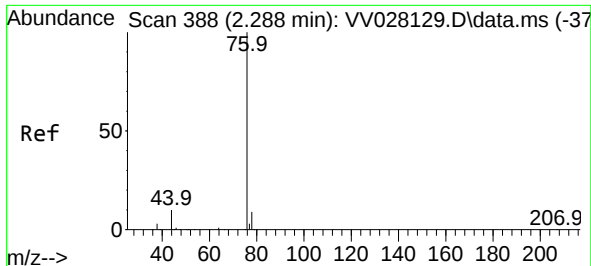
Tgt Ion: 43 Resp: 38788

Ion Ratio Lower Upper

43 100

58 33.9 0.0 65.6

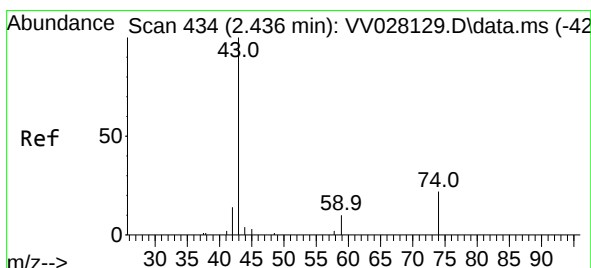
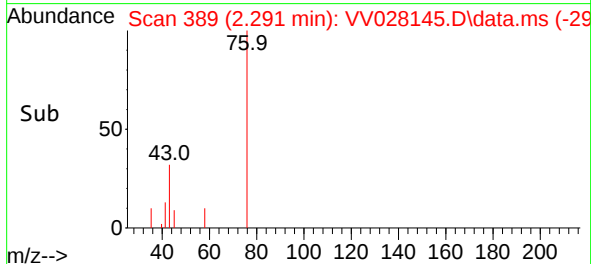
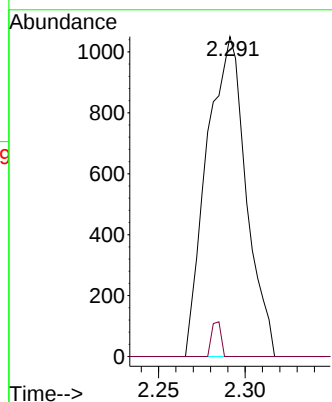
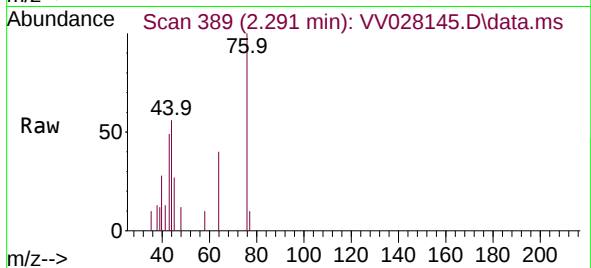




#14
Carbon disulfide
Concen: 0.070 ug/L
RT: 2.291 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

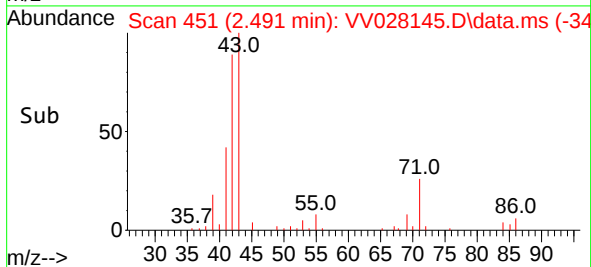
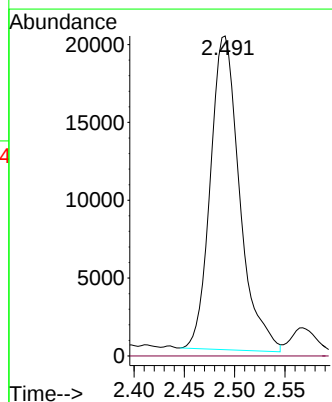
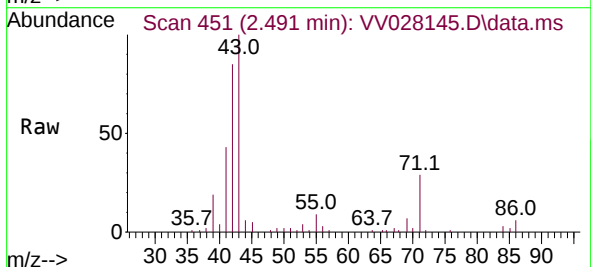
Instrument :
MSVOA_V
ClientSampleId :
F5H33

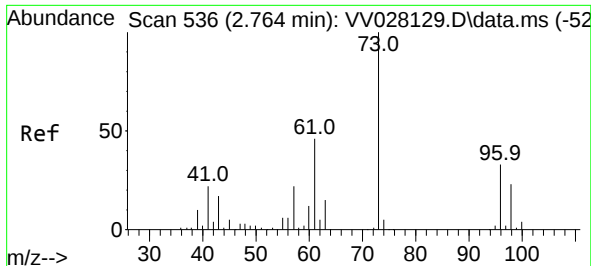
Tgt Ion: 76 Resp: 1658
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#15
Methyl Acetate
Concen: 8.678 ug/L
RT: 2.491 min Scan# 451
Delta R.T. 0.055 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Tgt Ion: 43 Resp: 40716
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

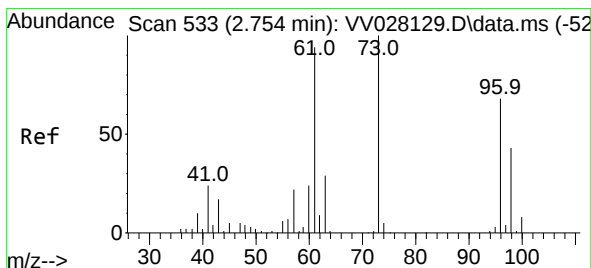
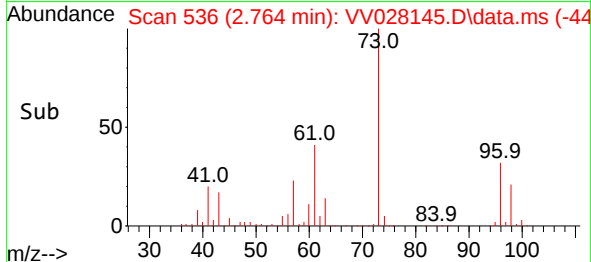
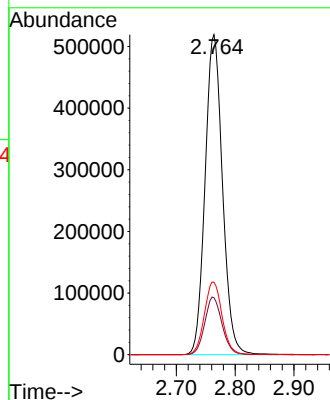
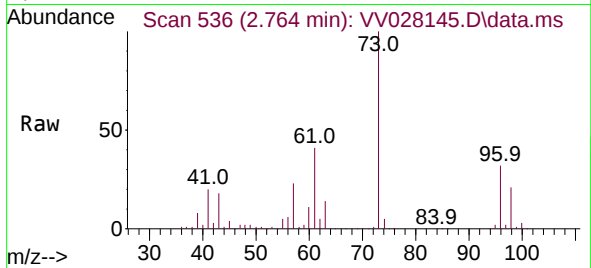




#17
Methyl tert-butyl Ether
Concen: 40.000 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

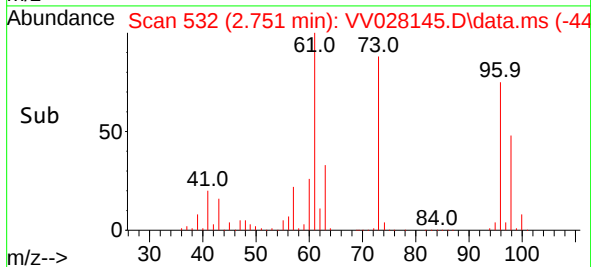
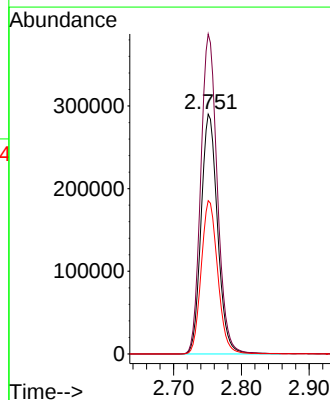
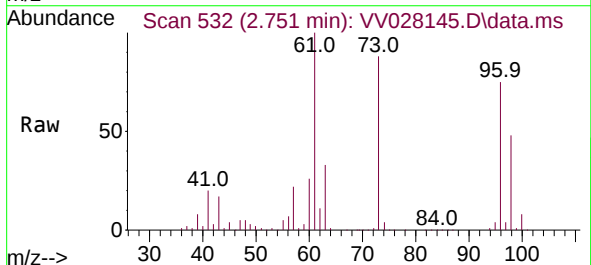
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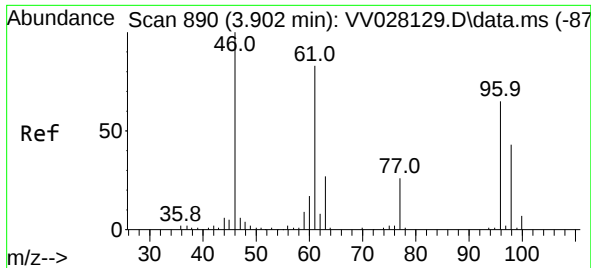
Tgt Ion: 73 Resp: 1066112
Ion Ratio Lower Upper
73 100
43 17.8 15.7 23.5
57 23.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 45.193 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Tgt Ion: 96 Resp: 490156
Ion Ratio Lower Upper
96 100
61 133.4 96.2 178.6
98 63.9 45.7 84.9

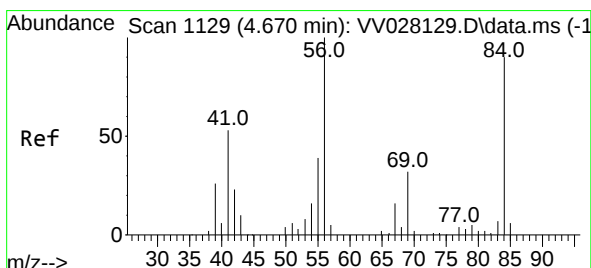
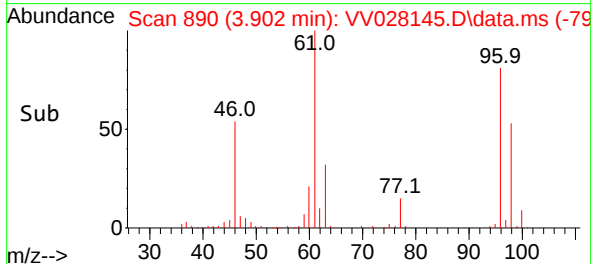
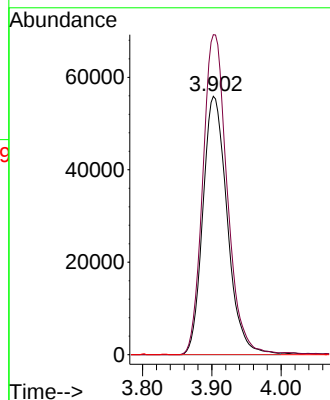
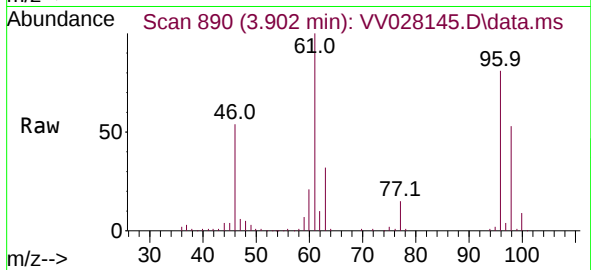




#22
 cis-1,2-Dichloroethene
 Concen: 9.596 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV028145.D
 Acq: 27 Sep 2022 17:29

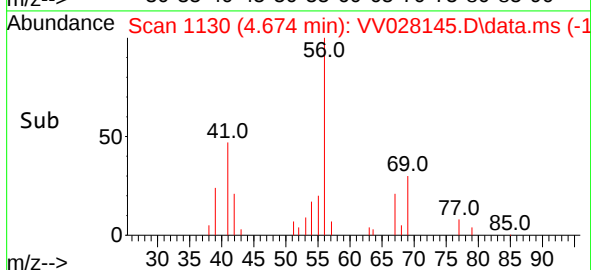
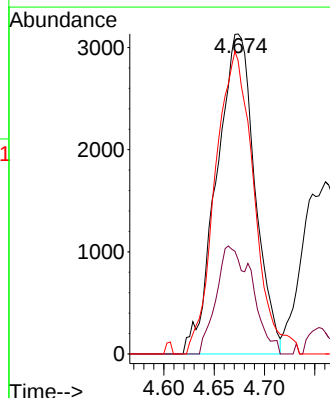
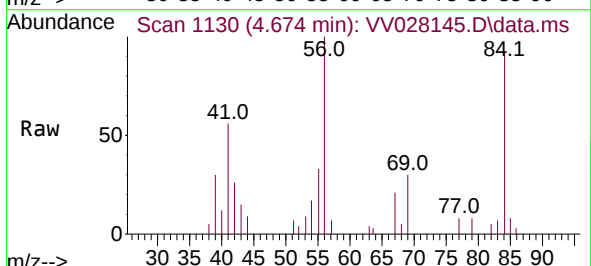
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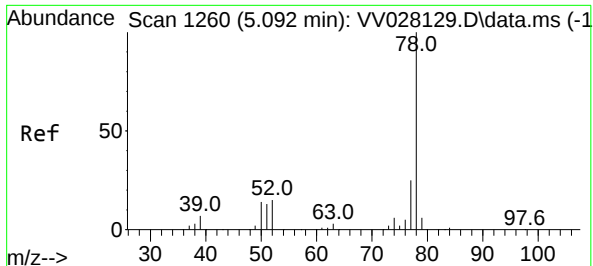
Tgt Ion: 96 Resp: 136568
 Ion Ratio Lower Upper
 96 100
 61 123.8 87.2 161.9
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.531 ug/L
 RT: 4.674 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VV028145.D
 Acq: 27 Sep 2022 17:29

Tgt Ion: 56 Resp: 8268
 Ion Ratio Lower Upper
 56 100
 69 31.9 23.7 35.5
 84 95.4 67.3 100.9

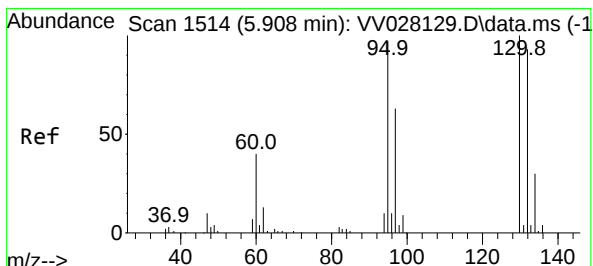
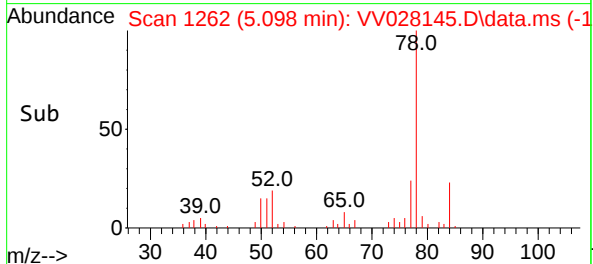
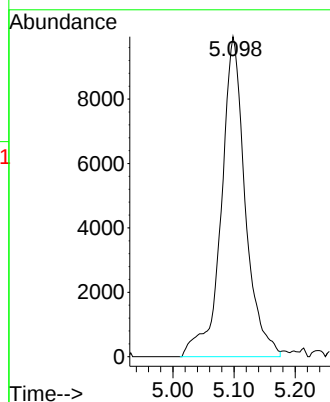
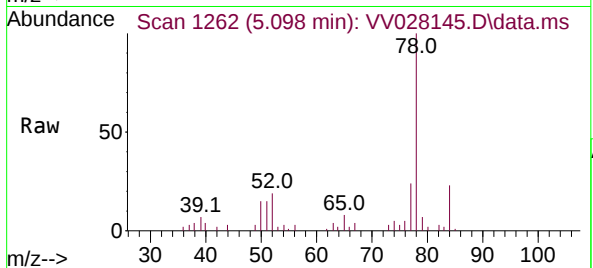




#33
Benzene
Concen: 0.557 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.007 min
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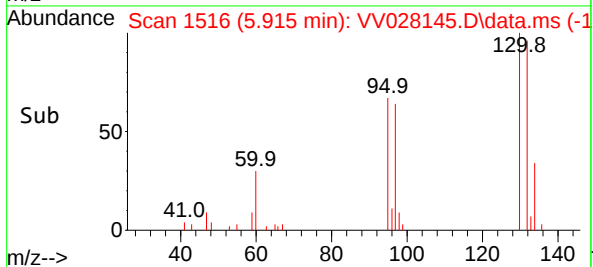
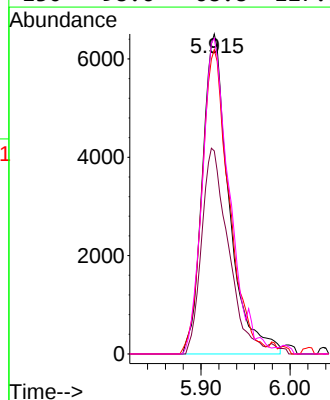
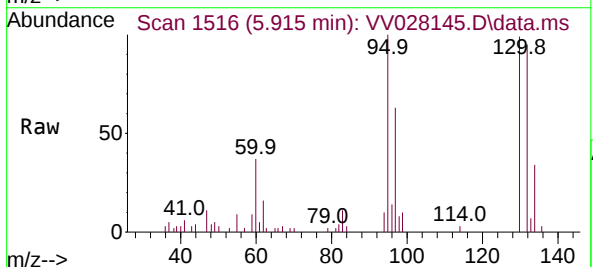
Tgt Ion: 78 Resp: 27108

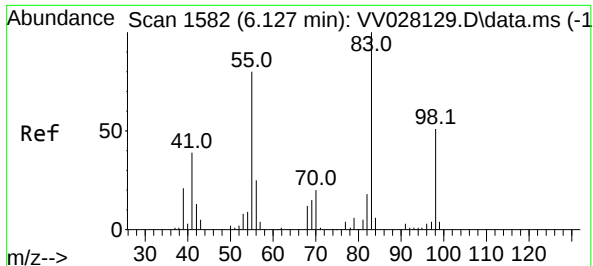


#34
Trichloroethene
Concen: 1.119 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Tgt Ion: 95 Resp: 13554

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.2	82.0
132	95.1	67.8	126.0
130	98.6	68.8	127.8





#35

Methylcyclohexane

Concen: 1.129 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.064 min

Lab File: VV028145.D

Acq: 27 Sep 2022 17:29

Instrument :

MSVOA_V

ClientSampleId :

F5H33

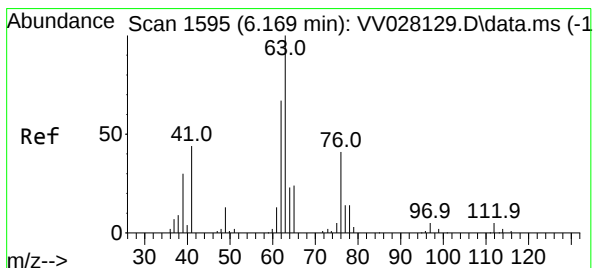
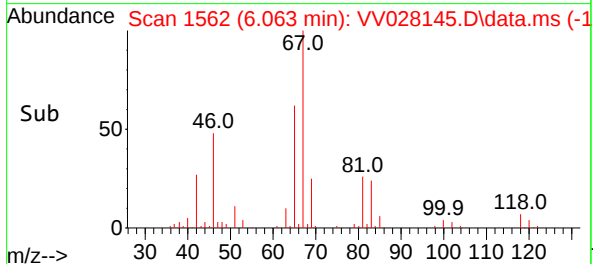
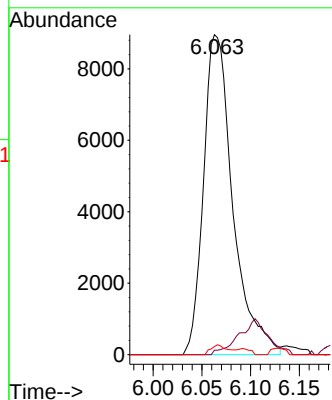
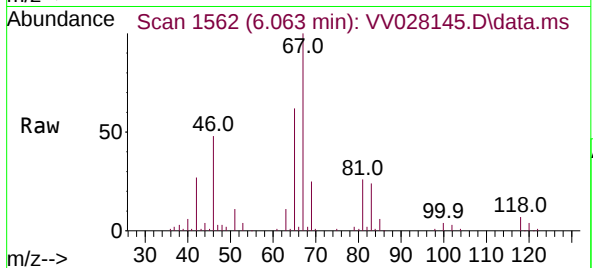
Tgt Ion: 83 Resp: 18751

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 1.7 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.607 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

Lab File: VV028145.D

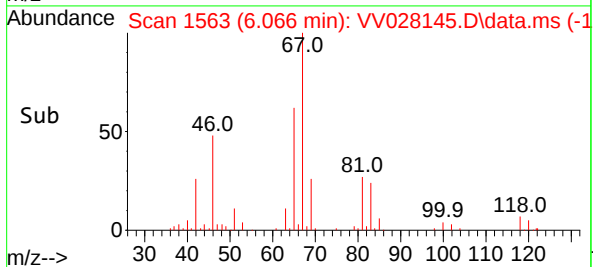
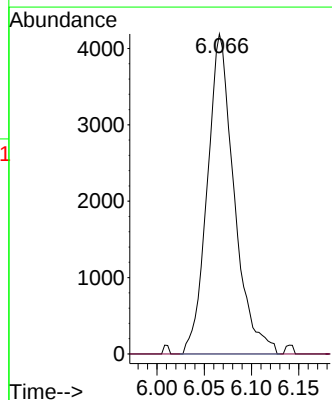
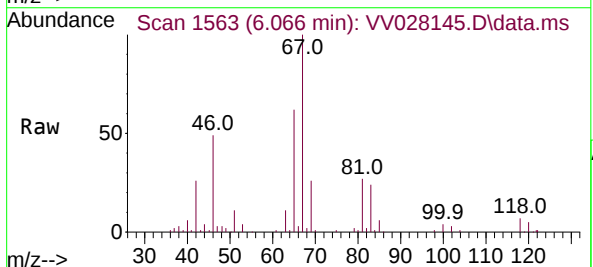
Acq: 27 Sep 2022 17:29

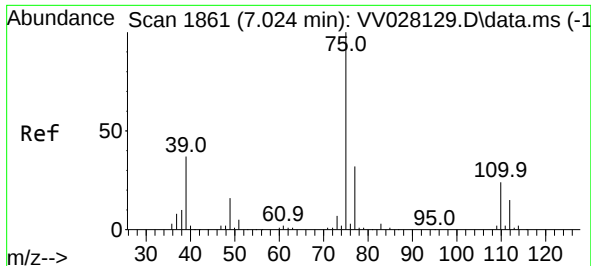
Tgt Ion: 63 Resp: 8274

Ion Ratio Lower Upper

63 100

112 0.5 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV028145.D

Acq: 27 Sep 2022 17:29

Instrument :

MSVOA_V

ClientSampleId :

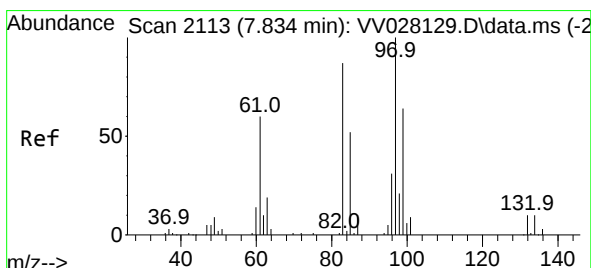
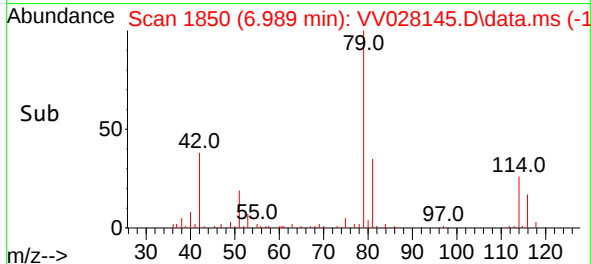
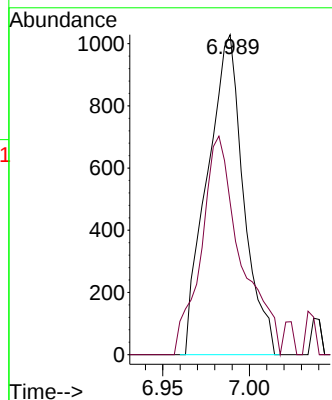
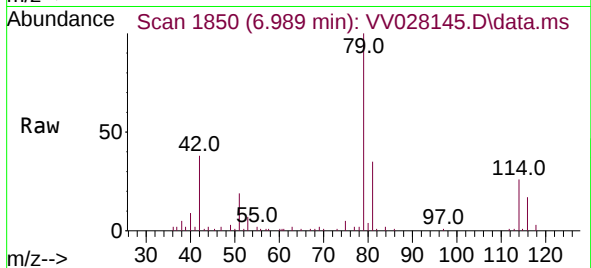
F5H33

Tgt Ion: 75 Resp: 1497

Ion Ratio Lower Upper

75 100

77 47.6 22.4 41.6#



#45

1,1,2-Trichloroethane

Concen: 0.316 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. -0.051 min

Lab File: VV028145.D

Acq: 27 Sep 2022 17:29

Tgt Ion: 97 Resp: 2890

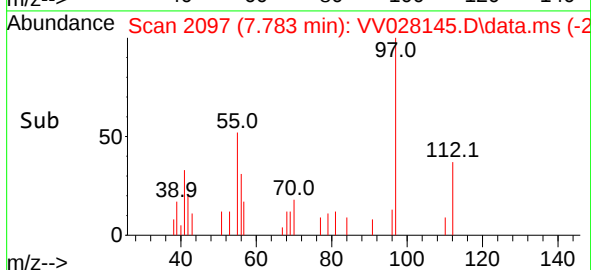
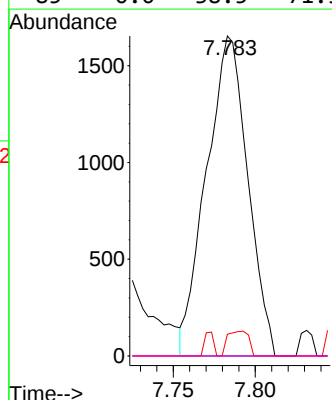
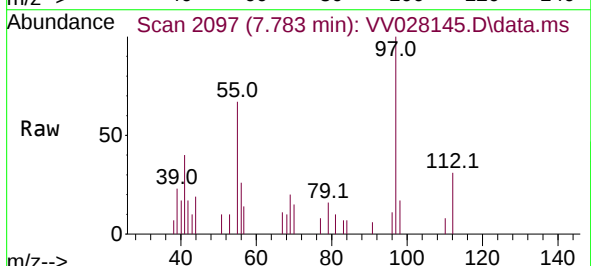
Ion Ratio Lower Upper

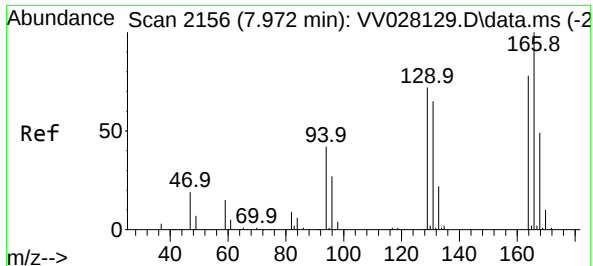
97 100

99 0.0 43.2 80.2#

83 6.8 59.1 109.9#

85 0.0 38.5 71.5#





#47

Tetrachloroethene

Concen: 0.075 ug/L

RT: 7.982 min Scan# 2156

Delta R.T. 0.010 min

Lab File: VV028145.D

Acq: 27 Sep 2022 17:29

Instrument :

MSVOA_V

ClientSampleId :

F5H33

Tgt Ion:164 Resp: 723

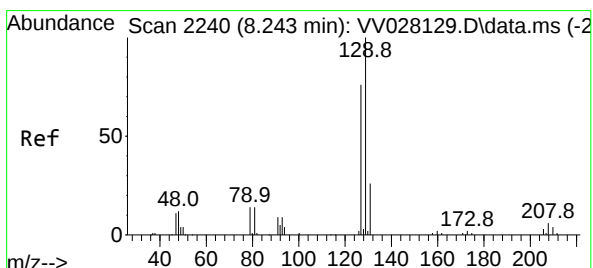
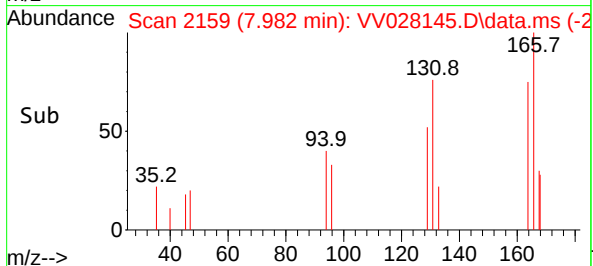
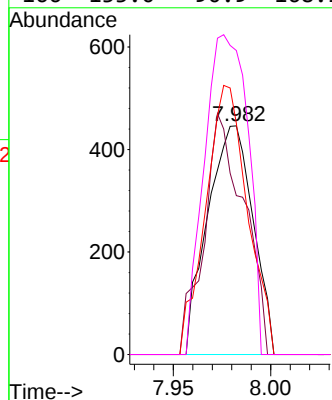
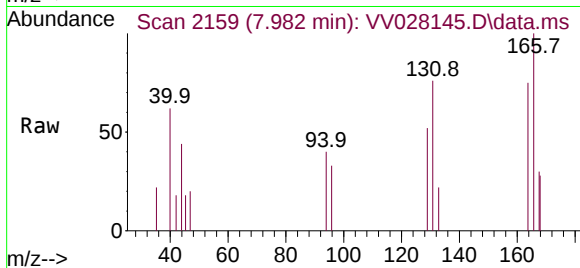
Ion Ratio Lower Upper

164 100

129 69.5 66.7 123.9

131 101.1 61.7 114.5

166 133.0 90.9 168.9



#49

Dibromochloromethane

Concen: 0.061 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028145.D

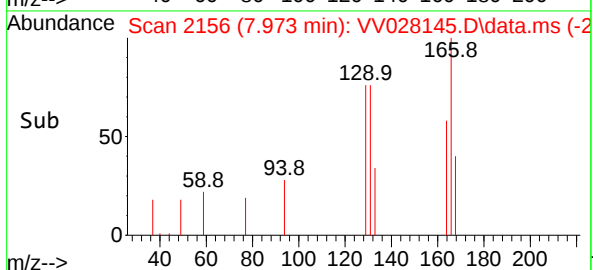
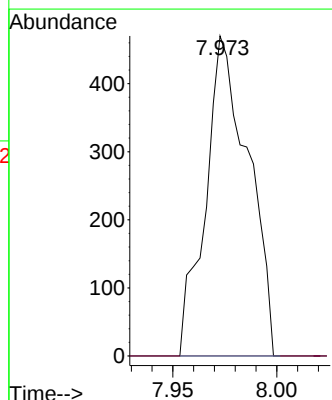
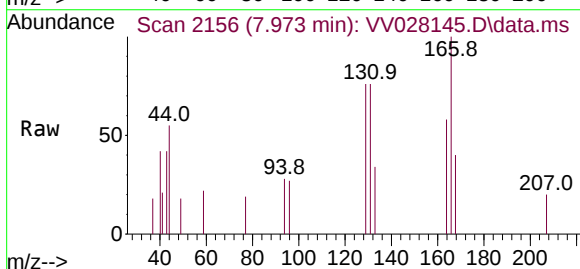
Acq: 27 Sep 2022 17:29

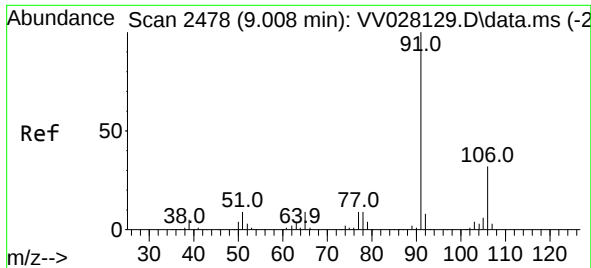
Tgt Ion:129 Resp: 672

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#

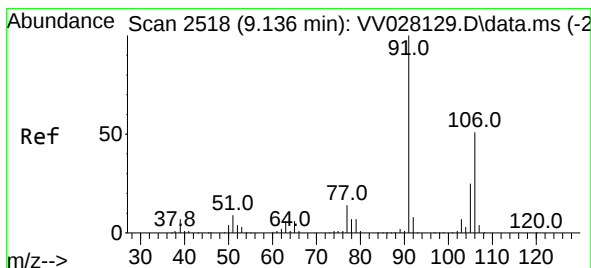
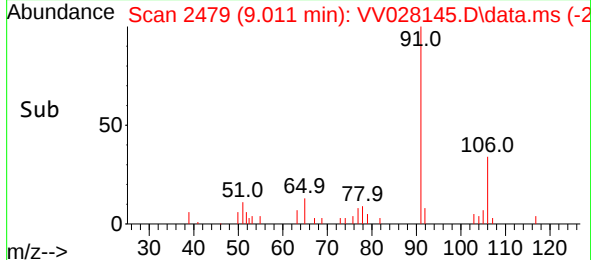
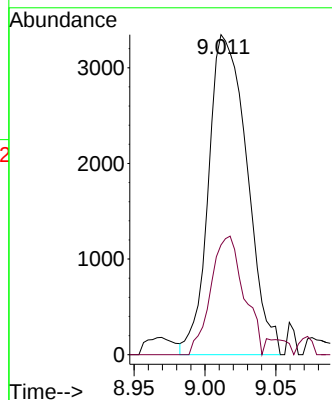
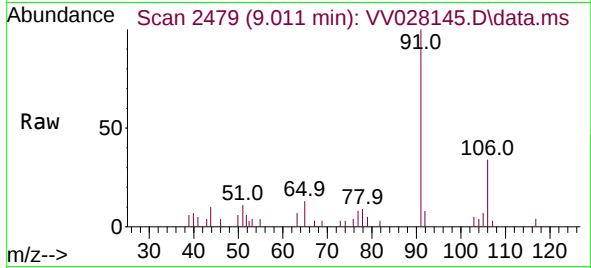




#52
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

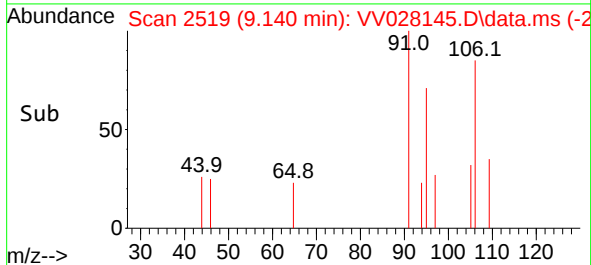
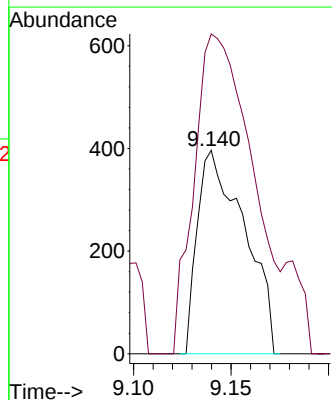
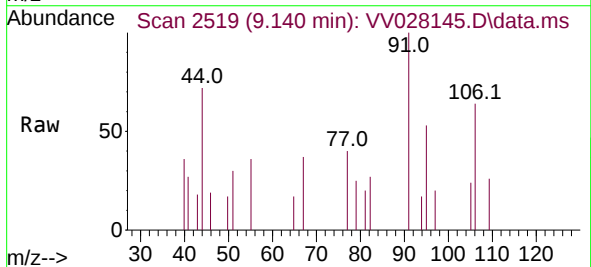
Instrument :
MSVOA_V
ClientSampleId :
F5H33

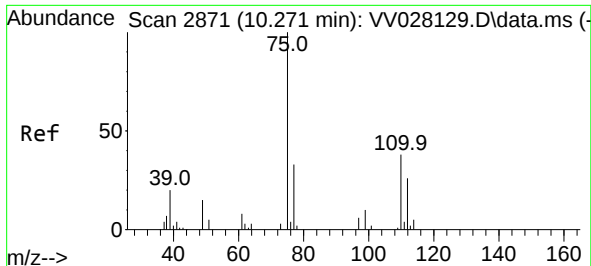
Tgt Ion: 91 Resp: 6319
Ion Ratio Lower Upper
91 100
106 34.3 21.5 39.9



#53
m,p-Xylene
Concen: 0.032 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Tgt Ion: 106 Resp: 664
Ion Ratio Lower Upper
106 100
91 157.3 141.9 263.5

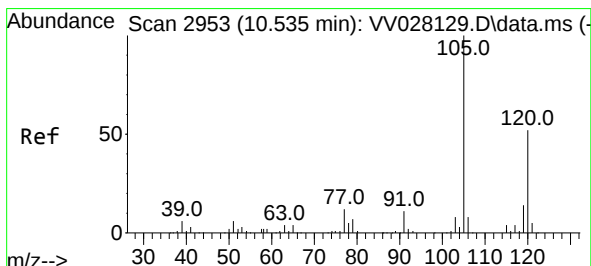
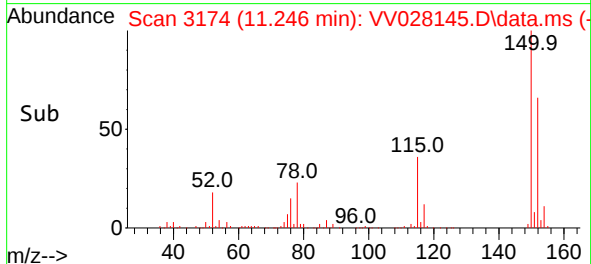
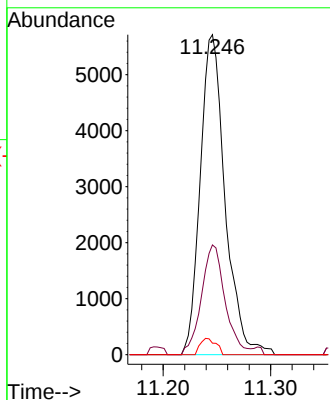
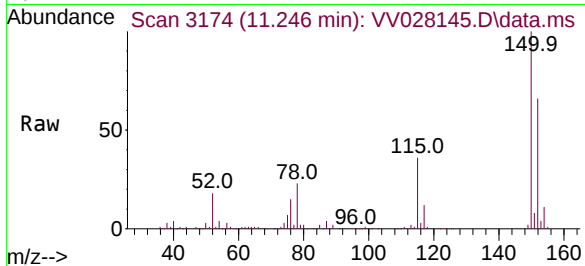




#61
1,2,3-Trichloropropane
Concen: 1.243 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Instrument :
MSVOA_V
ClientSampleId :
F5H33

Tgt Ion: 75 Resp: 9170
Ion Ratio Lower Upper
75 100
77 32.7 26.7 40.1
110 3.2 30.1 45.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.041 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. 0.000 min
Lab File: VV028145.D
Acq: 27 Sep 2022 17:29

Tgt Ion: 105 Resp: 603
Ion Ratio Lower Upper
105 100
120 37.6 40.6 61.0#

