

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100121\
 Data File : VW022494.D
 Acq On : 02 Oct 2021 04:03
 Operator : SY/MD
 Sample : M4023-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH8

Quant Time: Oct 02 05:40:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 02 01:27:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	240981	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	235989	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	118767	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	73610	49.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.780%		
7) Chloroethane-d5	1.568	69	58608	50.027	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.060%		
11) 1,1-Dichloroethene-d2	2.117	63	1667625	567.475	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	1134.960%#		
21) 2-Butanone-d5	3.905	46	79591	97.018	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.020%		
24) Chloroform-d	4.352	84	126206	46.349	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.700%		
26) 1,2-Dichloroethane-d4	5.037	65	74721	47.305	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.600%		
32) Benzene-d6	5.053	84	253183	46.310	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.620%		
36) 1,2-Dichloropropane-d6	6.075	67	79485	47.227	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.460%		
41) Toluene-d8	7.320	98	230072	45.878	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.760%		
43) trans-1,3-Dichloroprop...	7.625	79	36127	45.369	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.740%		
47) 2-Hexanone-d5	8.091	63	63089	90.488	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.490%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	104011	44.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.880%		
66) 1,2-Dichlorobenzene-d4	11.625	152	91399	47.191	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.380%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	134528	59.221	ug/L	98
9) Trichlorofluoromethane	2.117	101	7756	2.486	ug/L #	20
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	7888	4.466	ug/L #	30
12) 1,1-Dichloroethene	2.117	96	2909471	1728.396	ug/L #	73
16) Methylene chloride	2.507	84	118533	56.045	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	85718	46.388	ug/L	98
19) 1,1-Dichloroethane	3.191	63	337609	103.256	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	15156111	7698.875	ug/L	92
25) Chloroform	4.378	83	17008	5.169	ug/L	97
27) 1,2-Dichloroethane	5.137	62	18927	7.944	ug/L	97
30) 1,1,1-Trichloroethane	4.616	97	9119015	3093.342	ug/L	99
31) Carbon tetrachloride	4.616	117	1218504	470.501	ug/L	98
42) Toluene	7.391	91	107579	14.016	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	67424	34.913	ug/L	99
46) Tetrachloroethene	7.982	164	2094	1.315	ug/L	86
49) Dibromochloromethane	7.979	129	1807	0.865	ug/L #	11
52) Ethylbenzene	9.014	91	140225	17.553	ug/L	100
53) m,p-Xylene	9.140	106	275843	87.154	ug/L	99
54) o-Xylene	9.545	106	204110	66.192	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Sat Oct 02 01:27:14 2021
Response via : Initial Calibration

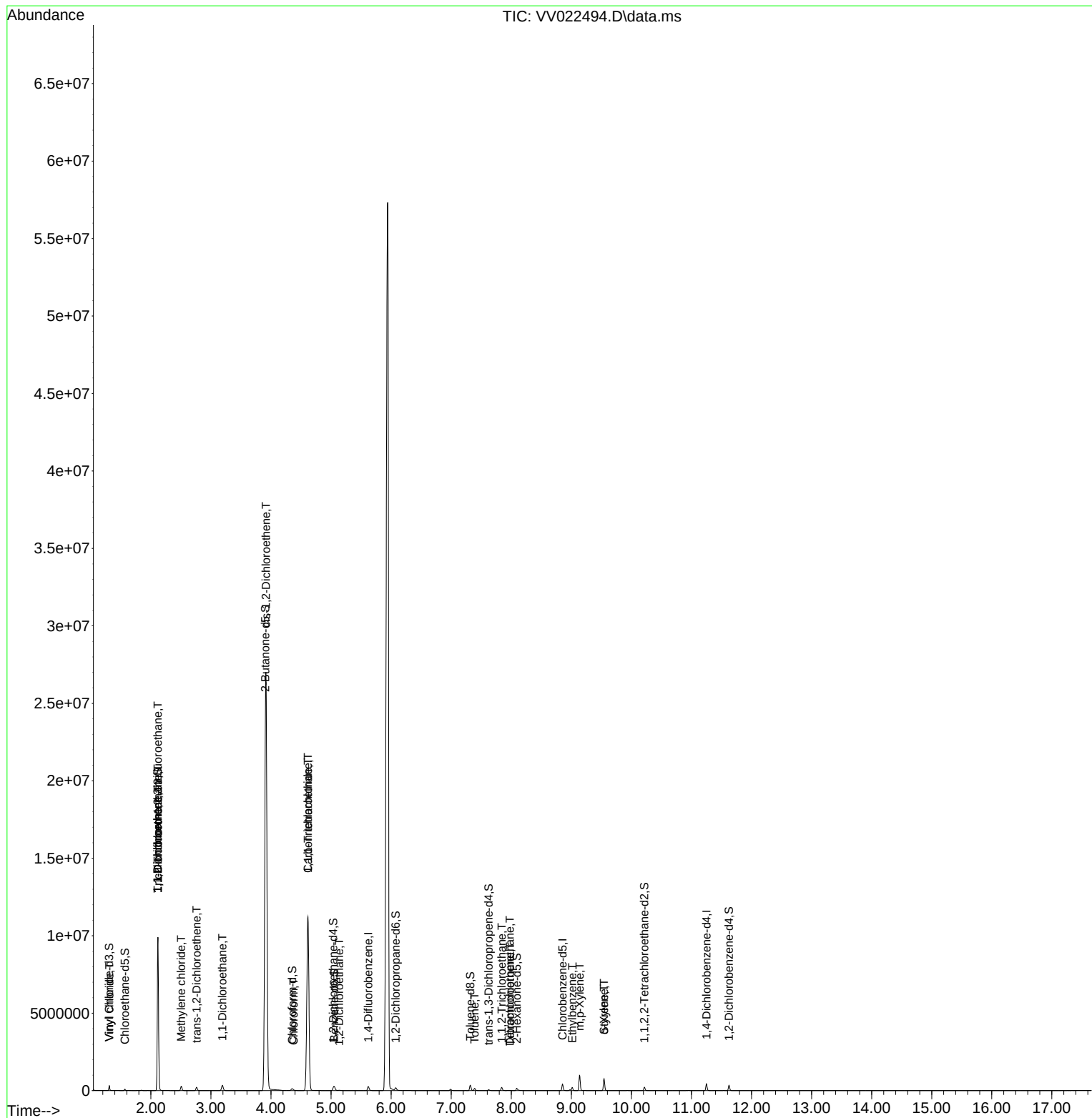
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.545	104	10436	1.972	ug/L #	1

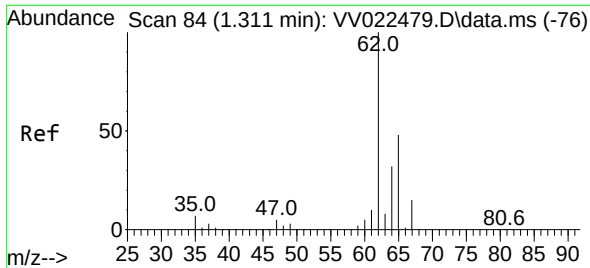
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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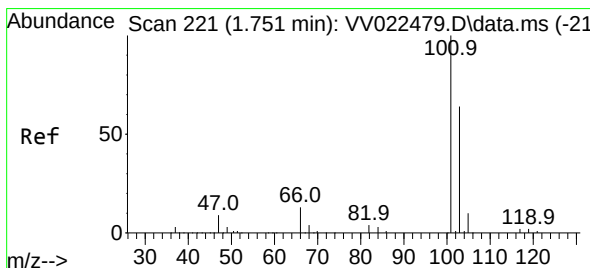
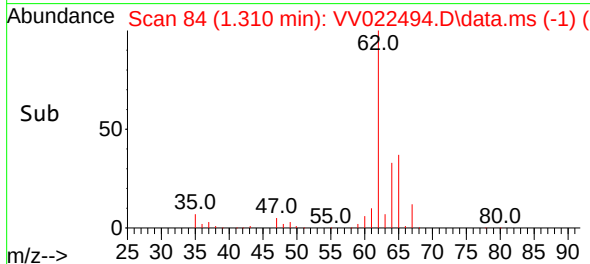
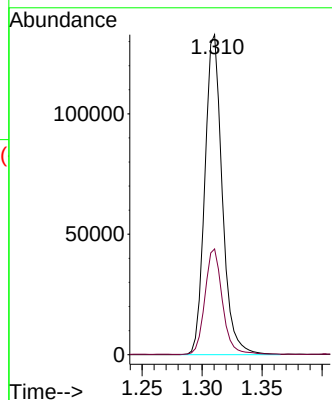
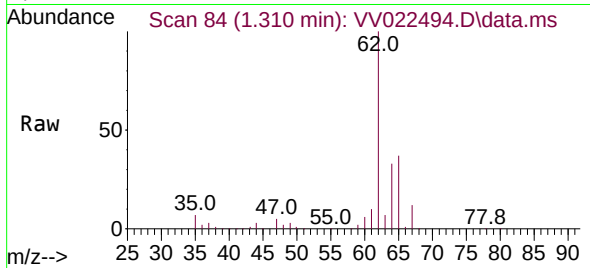




#5
 Vinyl chloride
 Concen: 59.221 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022494.D
 Acq: 02 Oct 2021 04:03

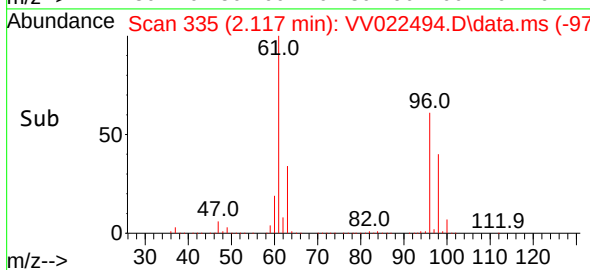
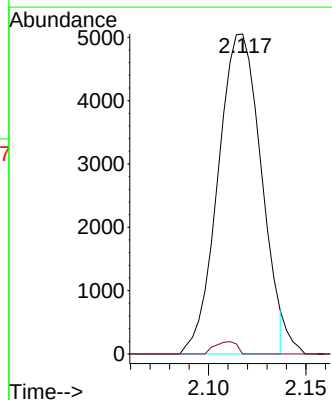
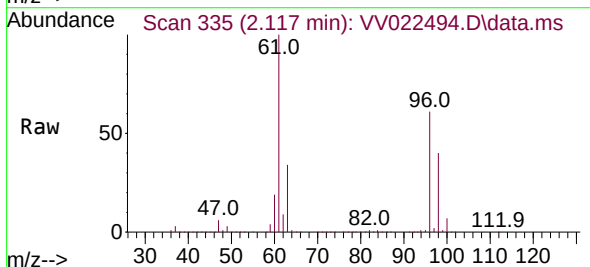
Instrument :
 MSVOA_V
 ClientSampled :
 C0AH8

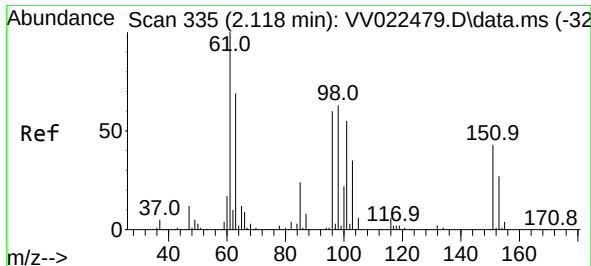
Tgt Ion: 62 Resp: 134528
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 2.486 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.366 min
 Lab File: VV022494.D
 Acq: 02 Oct 2021 04:03

Tgt Ion:101 Resp: 7756
 Ion Ratio Lower Upper
 101 100
 103 1.9 51.7 77.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.466 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV022494.D

Acq: 02 Oct 2021 04:03

Instrument :

MSVOA_V

ClientSampled :

C0AH8

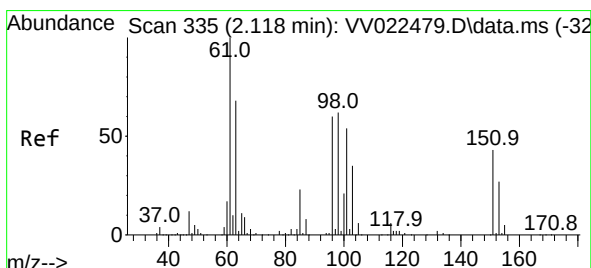
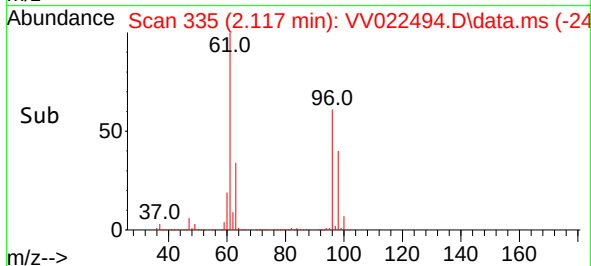
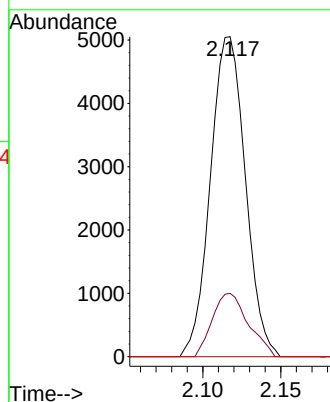
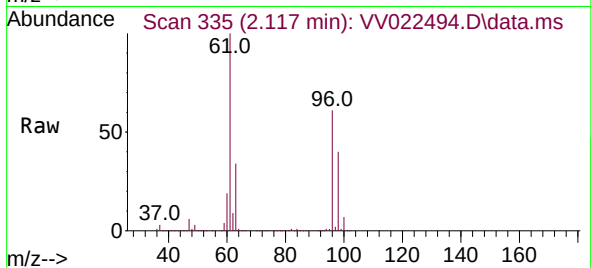
Tgt Ion:101 Resp: 7888

Ion Ratio Lower Upper

101 100

85 20.3 34.7 52.1#

151 0.0 61.3 91.9#



#12

1,1-Dichloroethene

Concen: 1728.396 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV022494.D

Acq: 02 Oct 2021 04:03

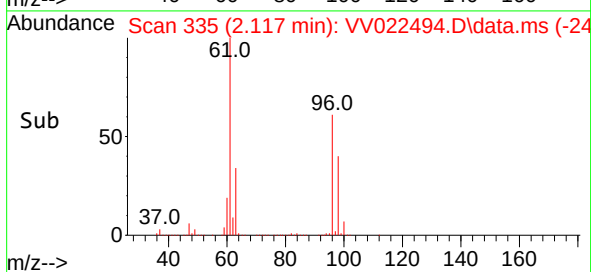
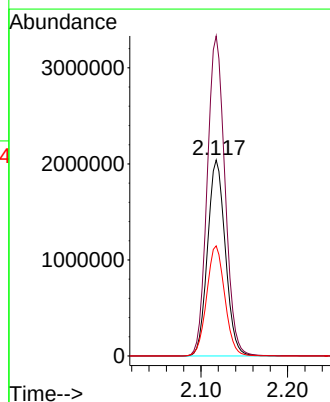
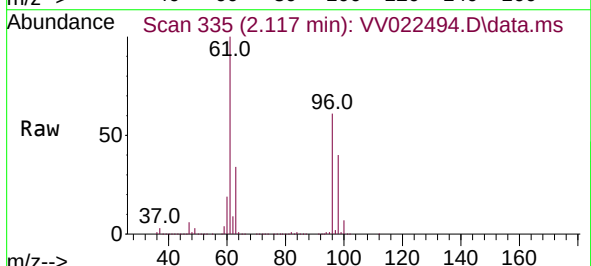
Tgt Ion: 96 Resp: 2909471

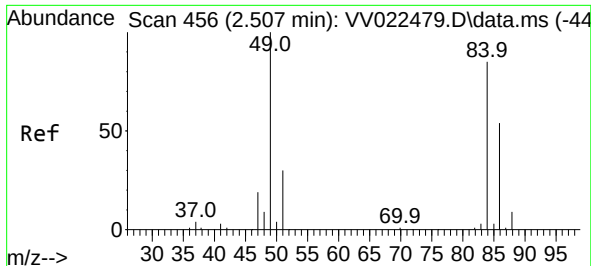
Ion Ratio Lower Upper

96 100

61 163.3 118.0 219.2

63 56.2 86.4 160.4#

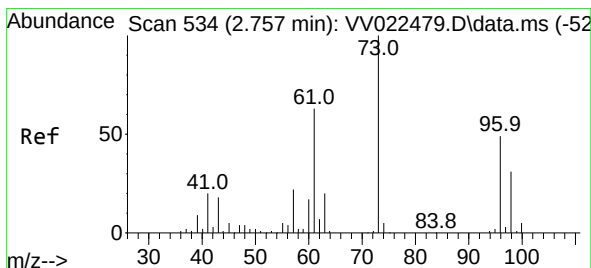
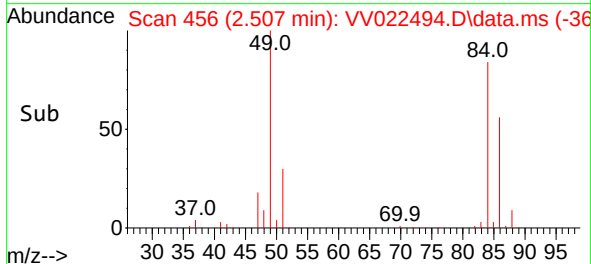
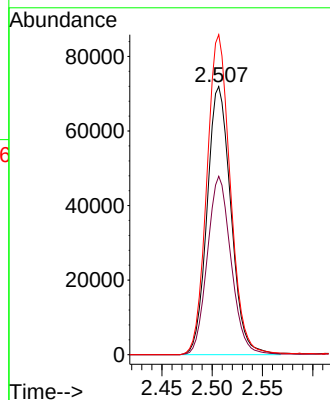
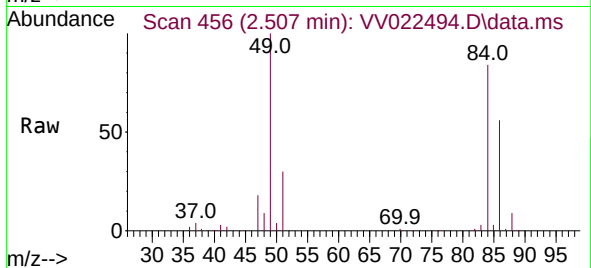




#16
Methylene chloride
Concen: 56.045 ug/L
RT: 2.507 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

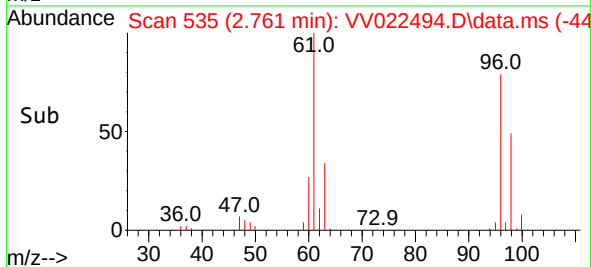
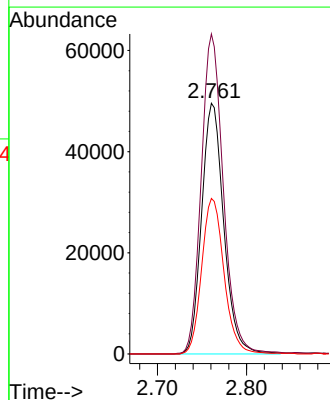
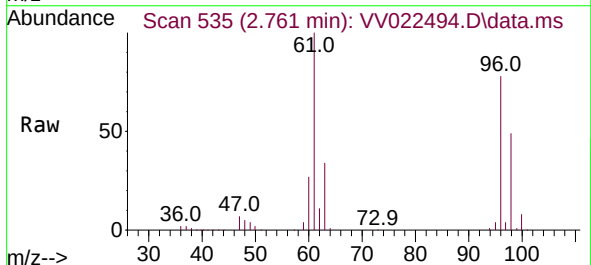
Instrument :
MSVOA_V
ClientSampleId :
C0AH8

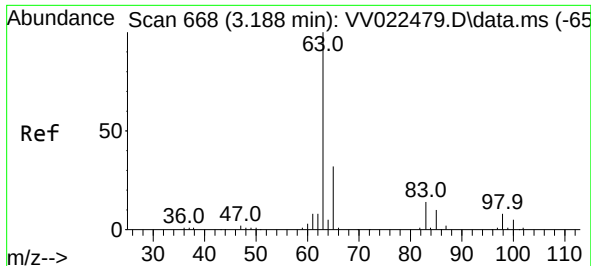
Tgt Ion: 84 Resp: 118533
Ion Ratio Lower Upper
84 100
86 66.5 45.6 84.6
49 119.3 82.7 153.7



#17
trans-1,2-Dichloroethene
Concen: 46.388 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion: 96 Resp: 85718
Ion Ratio Lower Upper
96 100
61 127.7 90.8 168.6
98 62.0 44.0 81.8





#19

1,1-Dichloroethane

Concen: 103.256 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

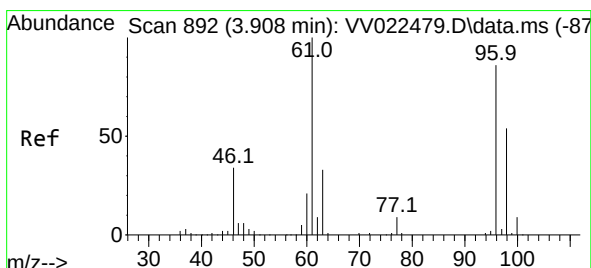
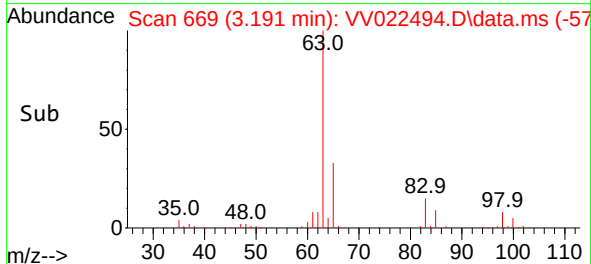
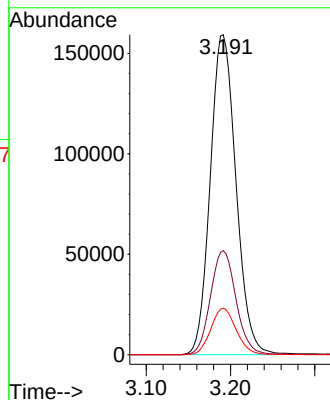
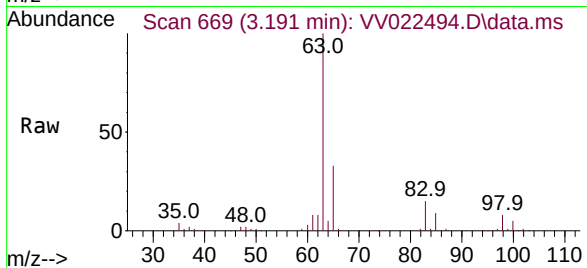
Lab File: VV022494.D

Acq: 02 Oct 2021 04:03

Tgt Ion: 63 Resp: 337609

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.9	42.5
83	14.5	9.4	17.4

Instrument :
MSVOA_V
ClientSampleId :
C0AH8



#20

cis-1,2-Dichloroethene

Concen: 7698.875 ug/L

RT: 3.915 min Scan# 894

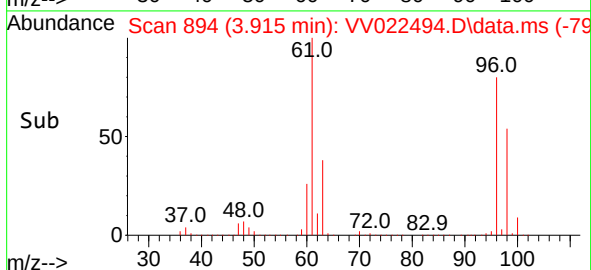
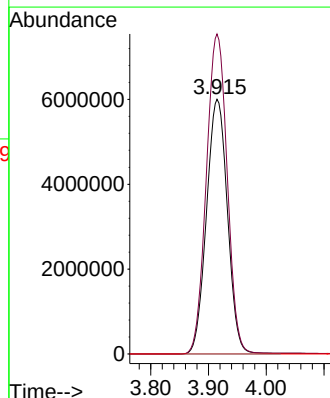
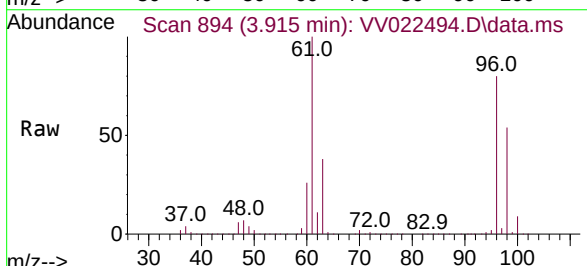
Delta R.T. 0.006 min

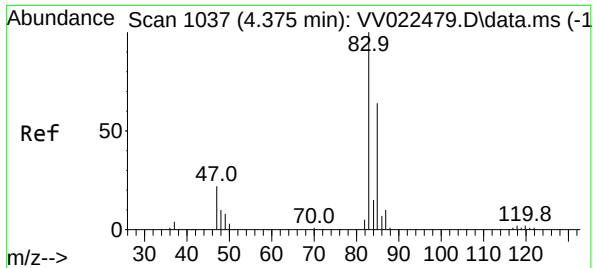
Lab File: VV022494.D

Acq: 02 Oct 2021 04:03

Tgt Ion: 96 Resp:15156111

Ion	Ratio	Lower	Upper
96	100		
61	125.6	81.9	152.1
68	0.0	0.0	0.0



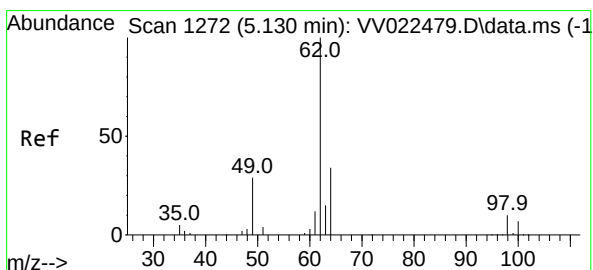
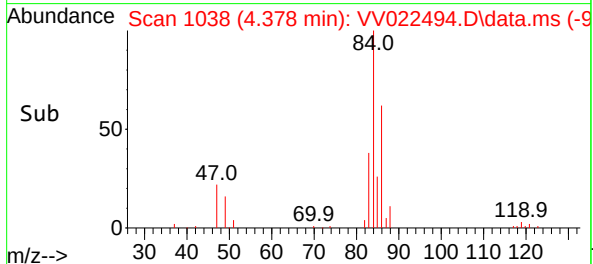
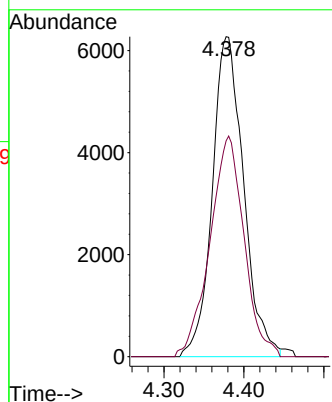
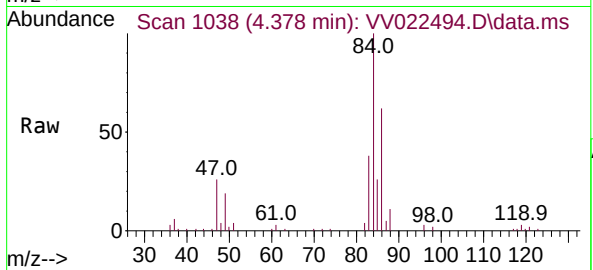


#25

Chloroform
Concen: 5.169 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Instrument :
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ClientSampled :
C0AH8

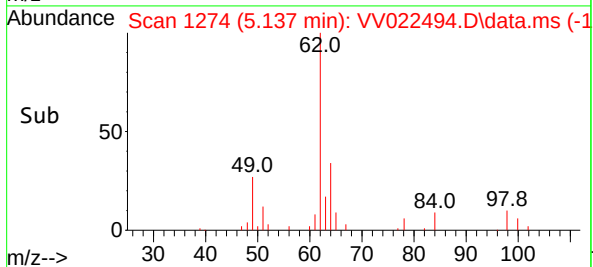
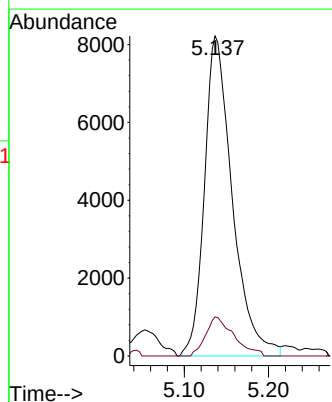
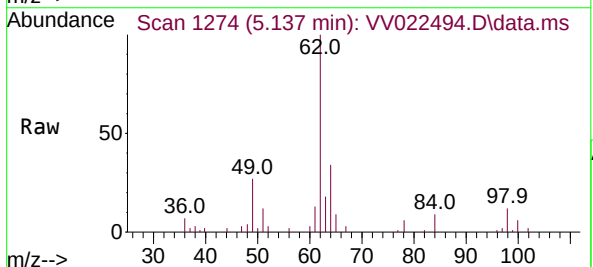
Tgt Ion: 83 Resp: 17008
Ion Ratio Lower Upper
83 100
85 67.5 45.8 85.0

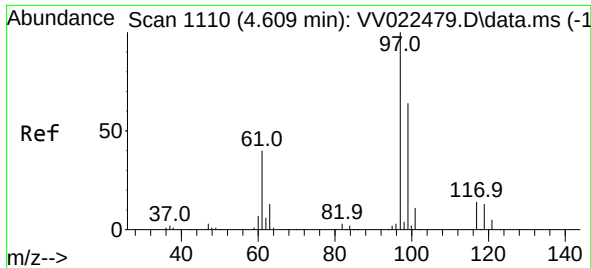


#27

1,2-Dichloroethane
Concen: 7.944 ug/L
RT: 5.137 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion: 62 Resp: 18927
Ion Ratio Lower Upper
62 100
98 12.2 9.0 13.4

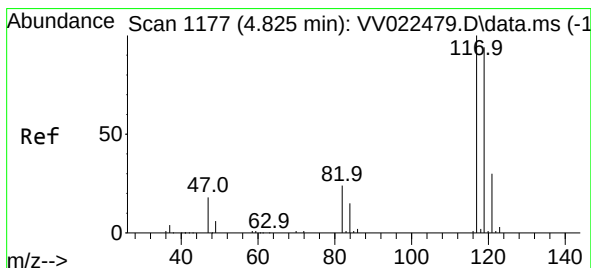
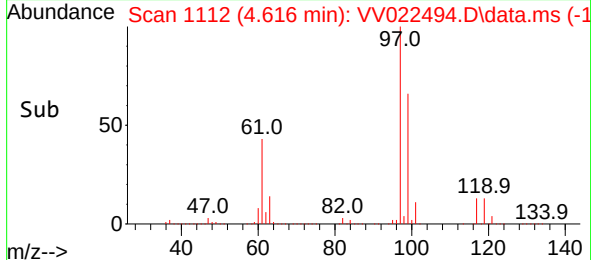
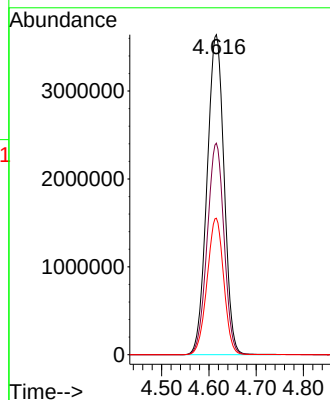
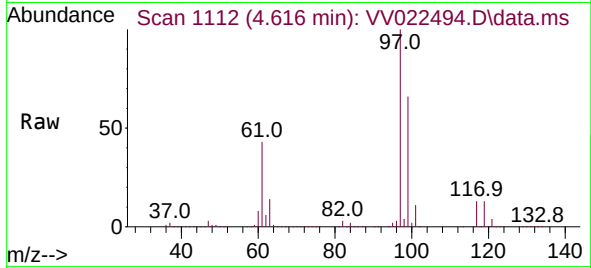




#30
1,1,1-Trichloroethane
Concen: 3093.342 ug/L
RT: 4.616 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

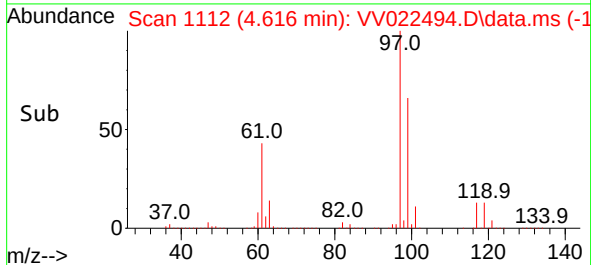
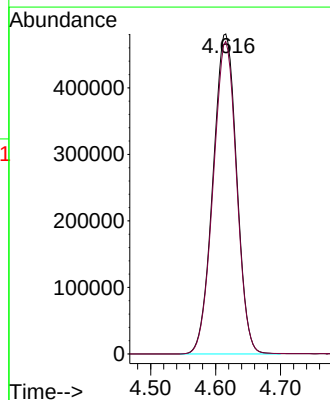
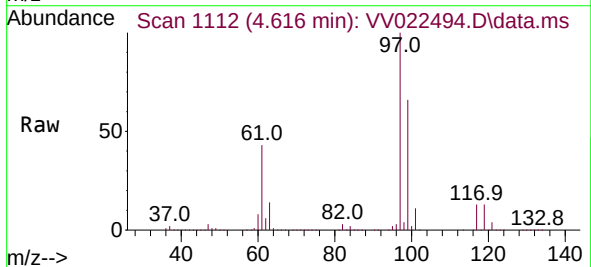
Instrument :
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ClientSampled :
C0AH8

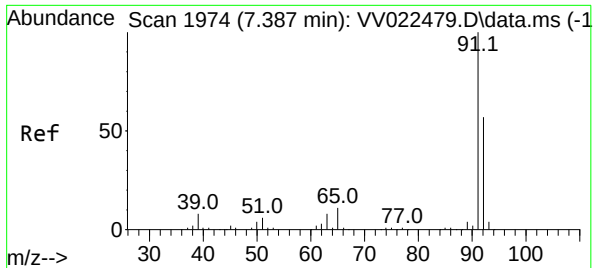
Tgt Ion: 97 Resp: 9119015
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 41.6 32.9 49.3



#31
Carbon tetrachloride
Concen: 470.501 ug/L
RT: 4.616 min Scan# 1112
Delta R.T. -0.209 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion: 117 Resp: 1218504
Ion Ratio Lower Upper
117 100
119 96.3 78.3 117.5

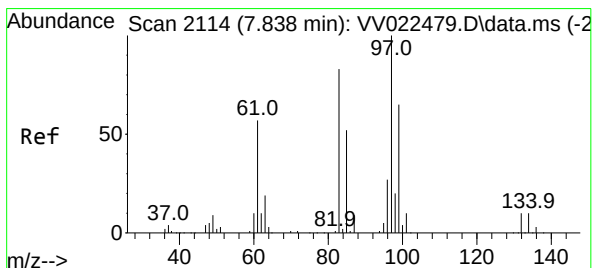
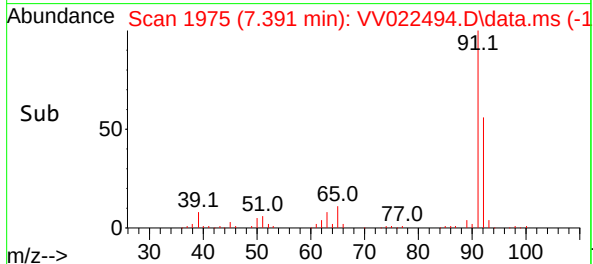
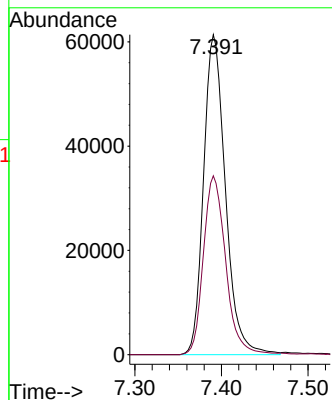
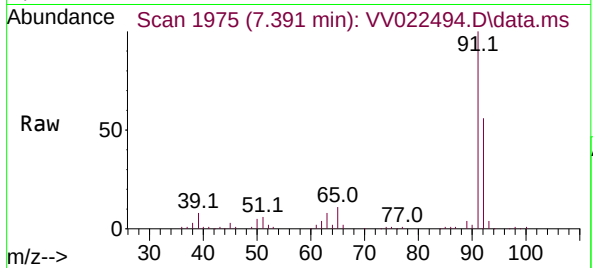




#42
Toluene
Concen: 14.016 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

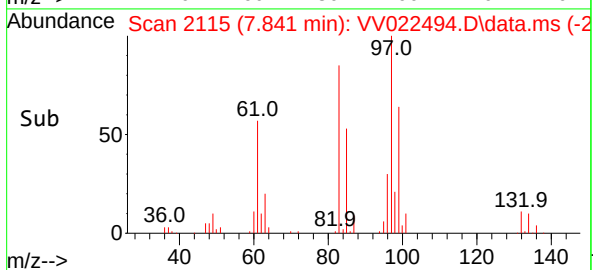
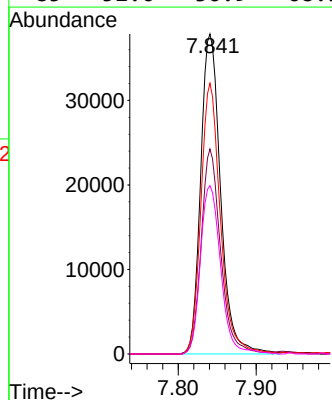
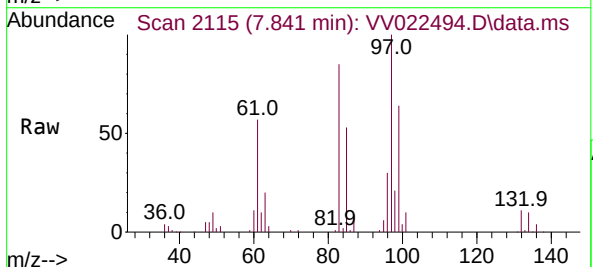
Instrument :
MSVOA_V
ClientSampled :
C0AH8

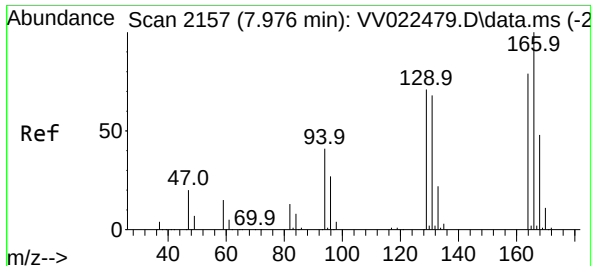
Tgt Ion: 91 Resp: 107579
Ion Ratio Lower Upper
91 100
92 55.9 40.6 75.4



#45
1,1,2-Trichloroethane
Concen: 34.913 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion: 97 Resp: 67424
Ion Ratio Lower Upper
97 100
99 64.0 43.1 80.1
83 84.6 58.6 108.8
85 52.6 36.9 68.5



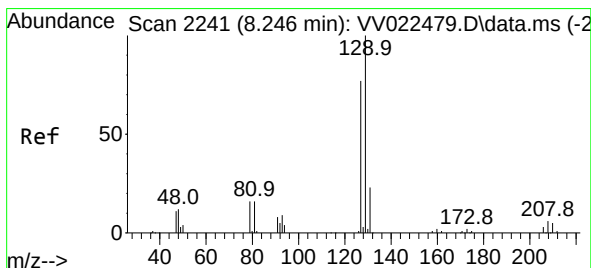
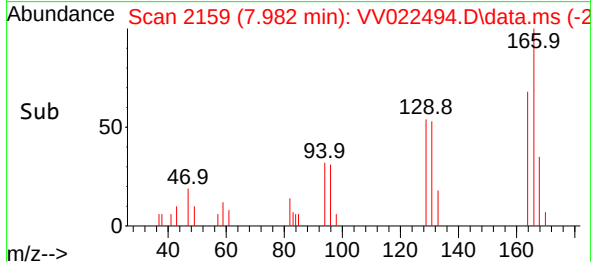
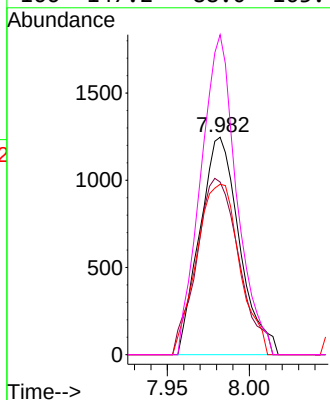
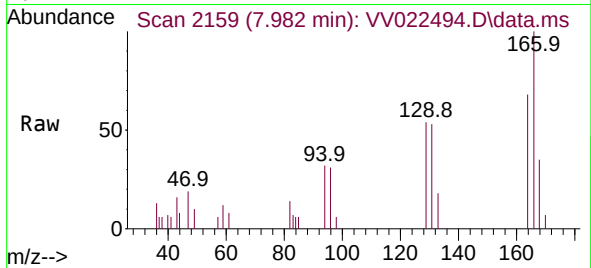


#46
Tetrachloroethene
Concen: 1.315 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Instrument :
MSVOA_V
ClientSampled :
C0AH8

Tgt Ion:164 Resp: 2094

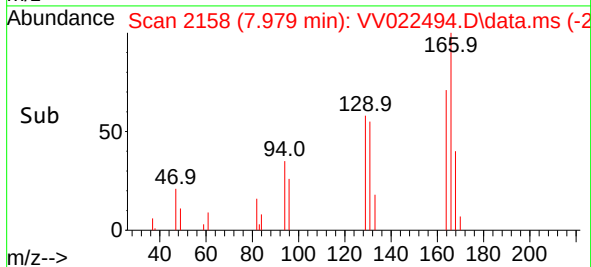
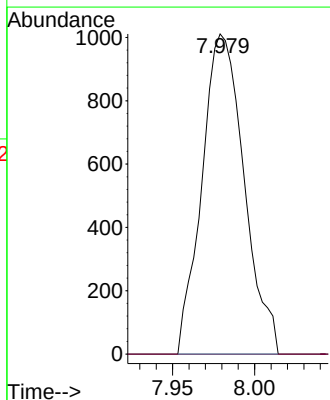
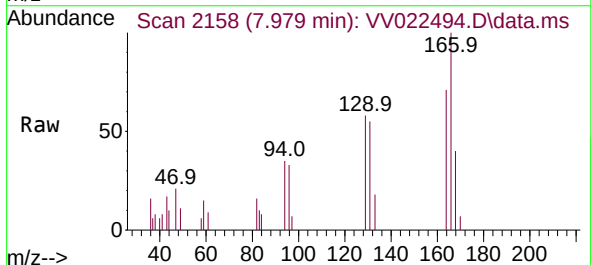
Ion	Ratio	Lower	Upper
164	100		
129	79.4	64.6	120.0
131	78.3	59.9	111.3
166	147.2	88.0	163.4

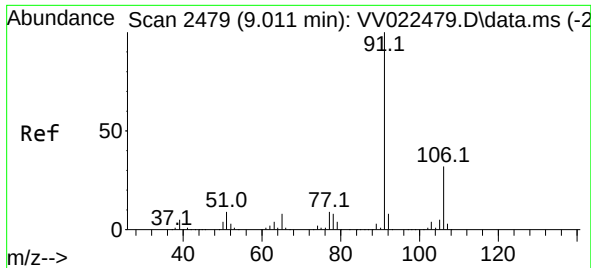


#49
Dibromochloromethane
Concen: 0.865 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion:129 Resp: 1807

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.5#

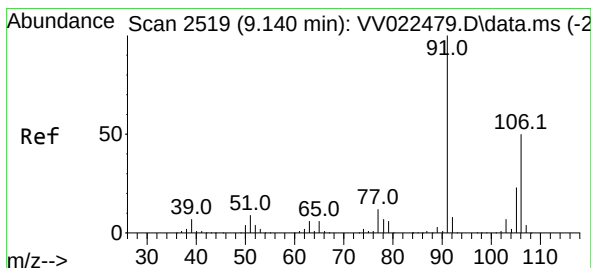
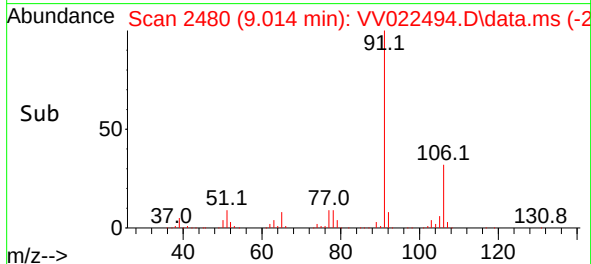
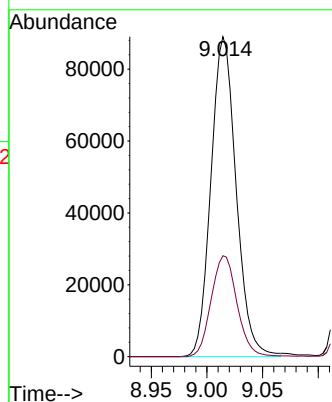
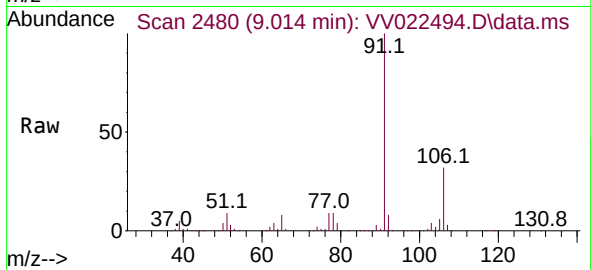




#52
Ethylbenzene
Concen: 17.553 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

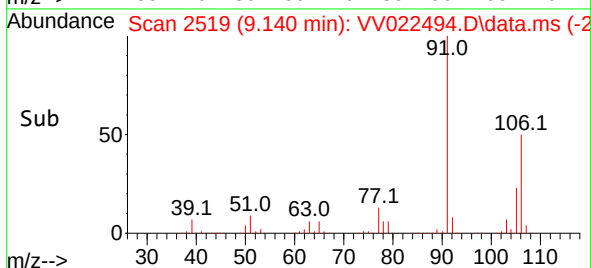
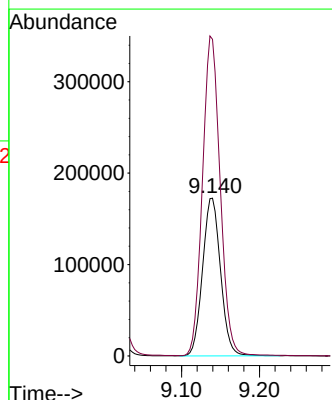
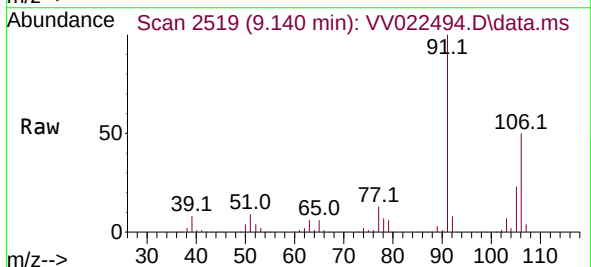
Instrument :
MSVOA_V
ClientSampled :
C0AH8

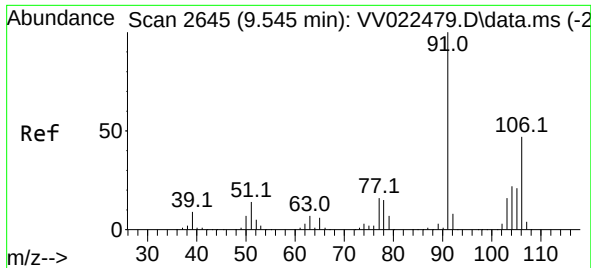
Tgt Ion: 91 Resp: 140225
Ion Ratio Lower Upper
91 100
106 31.6 22.0 41.0



#53
m,p-Xylene
Concen: 87.154 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion: 106 Resp: 275843
Ion Ratio Lower Upper
106 100
91 200.6 139.4 258.8

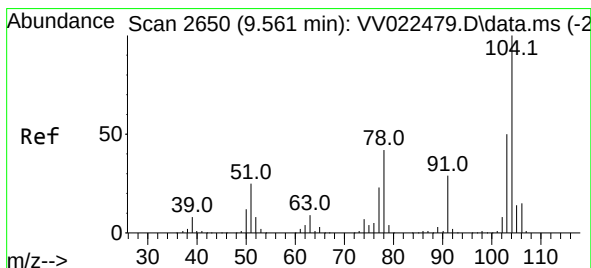
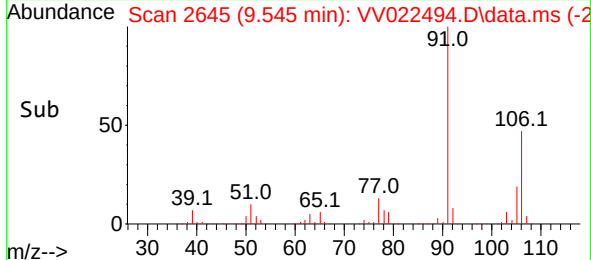
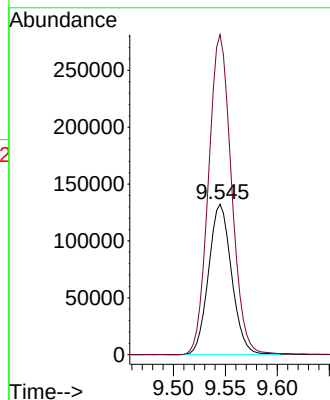
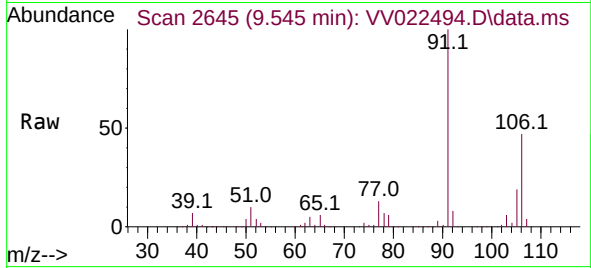




#54
o-Xylene
Concen: 66.192 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Instrument :
MSVOA_V
ClientSampleId :
C0AH8

Tgt Ion:106 Resp: 204110
Ion Ratio Lower Upper
106 100
91 212.8 148.7 276.1



#55
Styrene
Concen: 1.972 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.016 min
Lab File: VV022494.D
Acq: 02 Oct 2021 04:03

Tgt Ion:104 Resp: 10436
Ion Ratio Lower Upper
104 100
78 284.0 30.6 56.8#

