

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100121\
 Data File : VW022497.D
 Acq On : 02 Oct 2021 05:14
 Operator : SY/MD
 Sample : M4023-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ6

Quant Time: Oct 02 05:41:11 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	242282	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	227579	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	111637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	69379	46.302	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.600%
7) Chloroethane-d5	1.568	69	56495	47.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.920%
11) 1,1-Dichloroethene-d2	2.117	63	655483	221.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	443.720%#
21) 2-Butanone-d5	3.889	46	63082	76.481	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.480%
24) Chloroform-d	4.349	84	121510	44.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.760%
26) 1,2-Dichloroethane-d4	5.034	65	73413	46.227	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
32) Benzene-d6	5.050	84	249413	47.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
36) 1,2-Dichloropropane-d6	6.072	67	75448	46.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.980%
41) Toluene-d8	7.317	98	225077	46.540	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.080%
43) trans-1,3-Dichloroprop...	7.625	79	34457	44.871	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.740%
47) 2-Hexanone-d5	8.091	63	57216	85.097	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	99306	44.001	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	87829	48.244	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.480%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	7522	3.293	ug/L	86
9) Trichlorofluoromethane	2.114	101	3494	1.114	ug/L #	23
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	3560	2.005	ug/L #	27
12) 1,1-Dichloroethene	2.117	96	1049581	620.164	ug/L #	73
16) Methylene chloride	2.506	84	219152	103.063	ug/L	97
17) trans-1,2-Dichloroethene	2.760	96	8484	4.567	ug/L	99
19) 1,1-Dichloroethane	3.191	63	160849	48.930	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	1529904	772.975	ug/L	98
25) Chloroform	4.371	83	2314	0.700	ug/L	91
27) 1,2-Dichloroethane	5.140	62	6153	2.569	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	297039	104.485	ug/L	100
31) Carbon tetrachloride	4.609	117	40172	16.085	ug/L	98
33) Benzene	5.104	78	8199	1.167	ug/L	100
34) Trichloroethene	5.928	95	12392319	6754.348	ug/L	92
39) cis-1,3-Dichloropropene	6.989	75	2276	0.841	ug/L #	69
42) Toluene	7.391	91	56979	7.698	ug/L	99
45) 1,1,2-Trichloroethane	7.847	97	3645	1.957	ug/L	89
46) Tetrachloroethene	7.982	164	1177	0.766	ug/L	89
48) 2-Hexanone	8.095	43	6020	3.114	ug/L #	64

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QLast Update : Sat Oct 02 01:27:14 2021
Response via : Initial Calibration

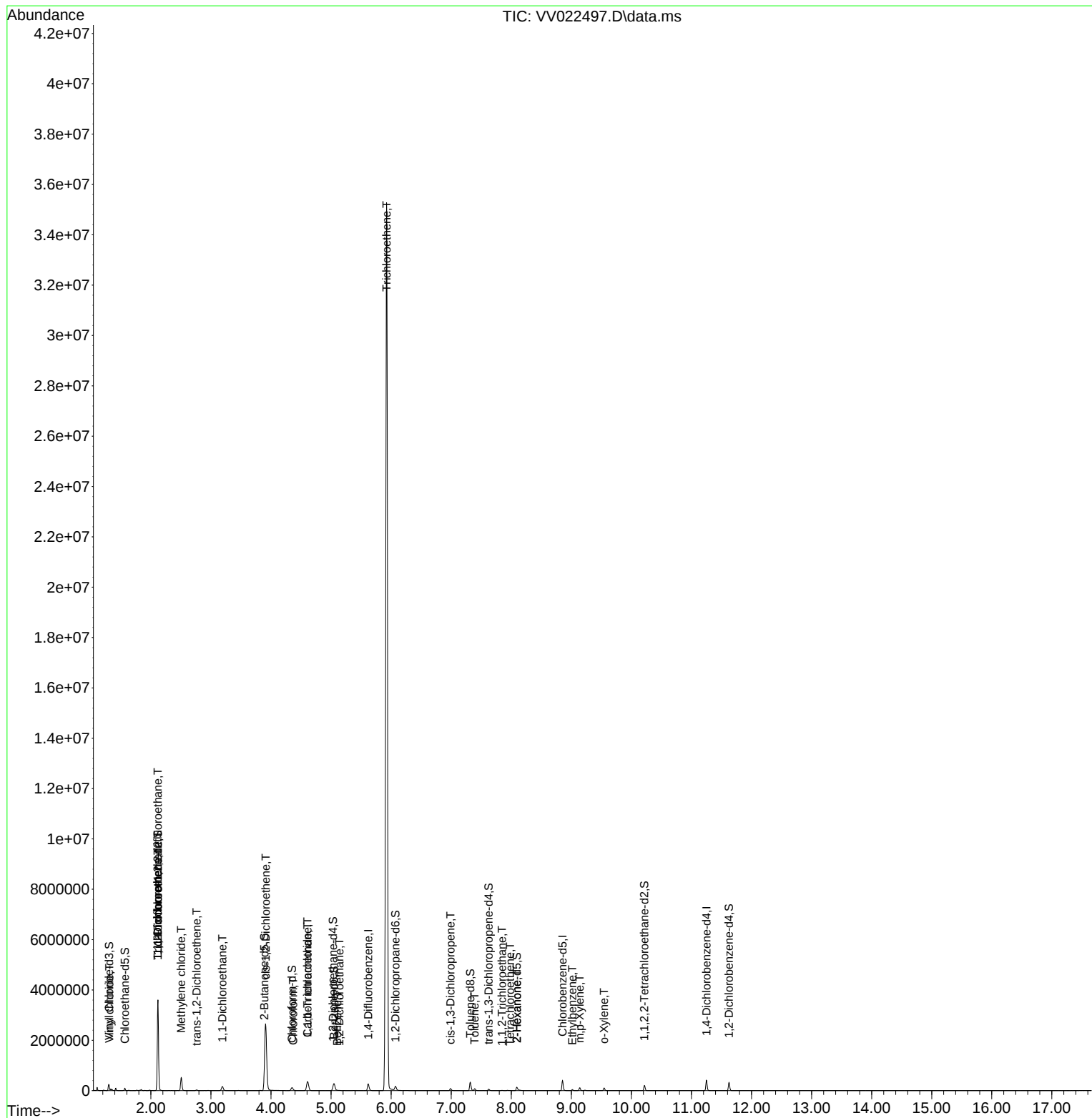
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.017	91	31421	4.079	ug/L	100
53) m,p-Xylene	9.140	106	33827	11.083	ug/L	96
54) o-Xylene	9.545	106	28493	9.582	ug/L	95

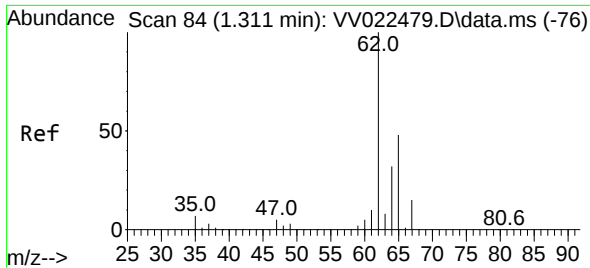
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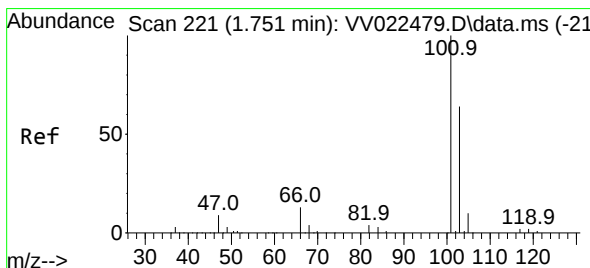
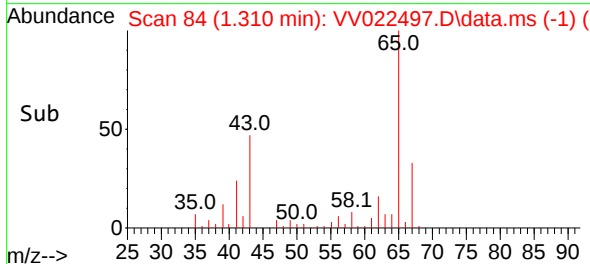
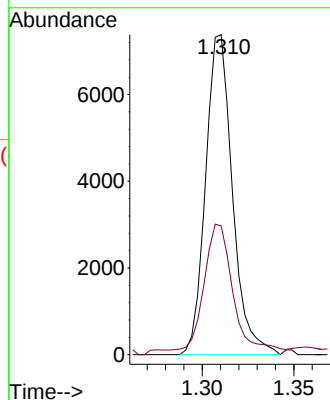
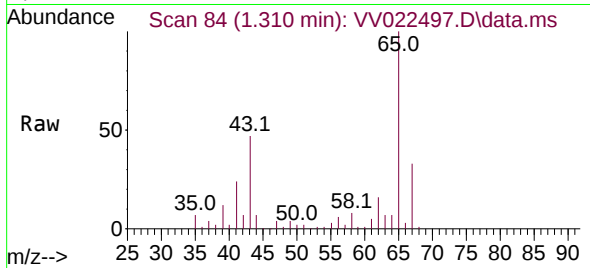




#5
 Vinyl chloride
 Concen: 3.293 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022497.D
 Acq: 02 Oct 2021 05:14

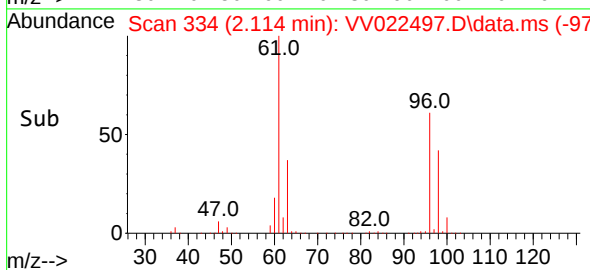
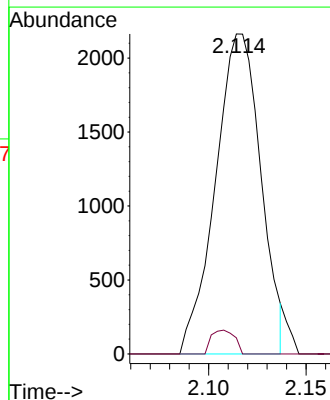
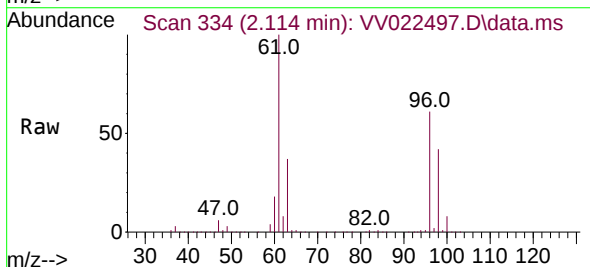
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ6

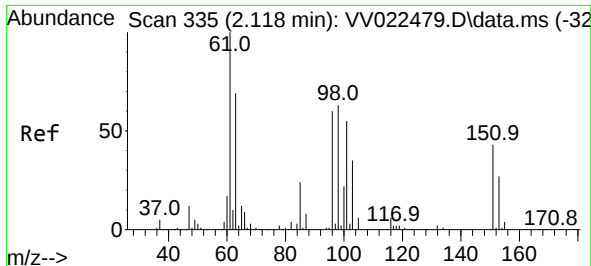
Tgt Ion: 62 Resp: 7522
 Ion Ratio Lower Upper
 62 100
 64 40.3 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 1.114 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.363 min
 Lab File: VV022497.D
 Acq: 02 Oct 2021 05:14

Tgt Ion: 101 Resp: 3494
 Ion Ratio Lower Upper
 101 100
 103 3.8 51.7 77.5#





#10

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

Concen: 2.005 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV022497.D

Acq: 02 Oct 2021 05:14

Instrument :

MSVOA_V

ClientSampled :

C0AJ6

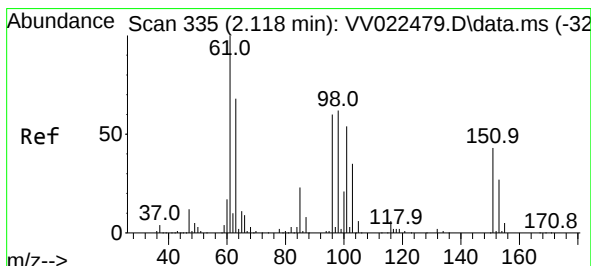
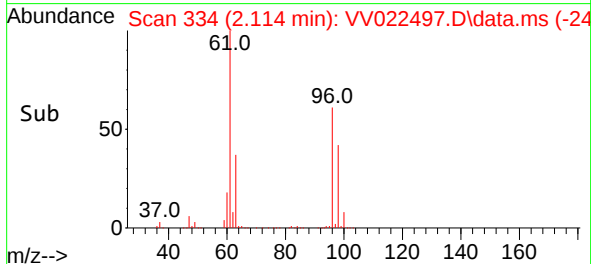
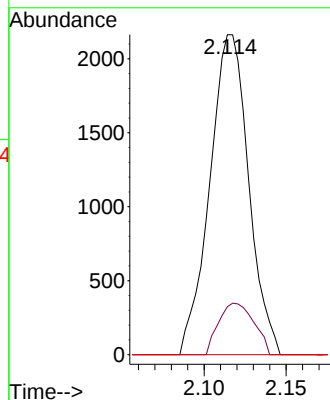
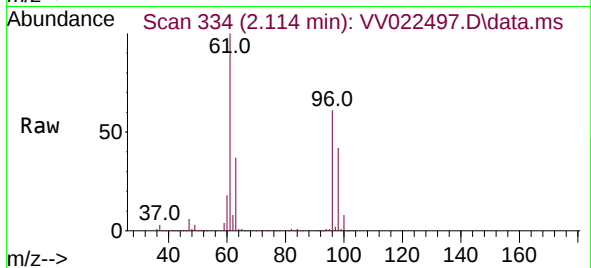
Tgt Ion:101 Resp: 3560

Ion Ratio Lower Upper

101 100

85 14.6 34.7 52.1#

151 0.0 61.3 91.9#



#12

1,1-Dichloroethene

Concen: 620.164 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV022497.D

Acq: 02 Oct 2021 05:14

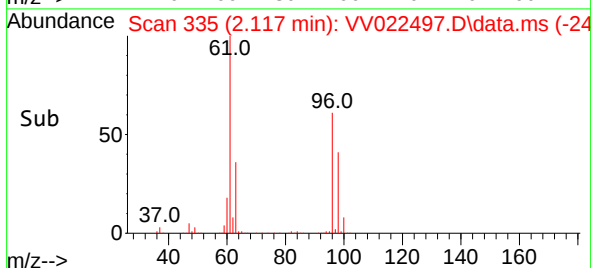
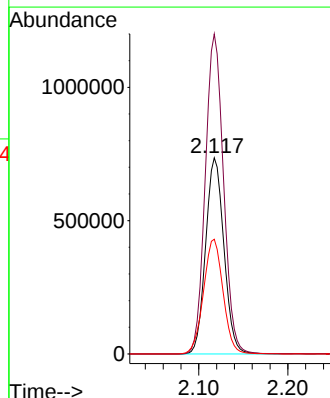
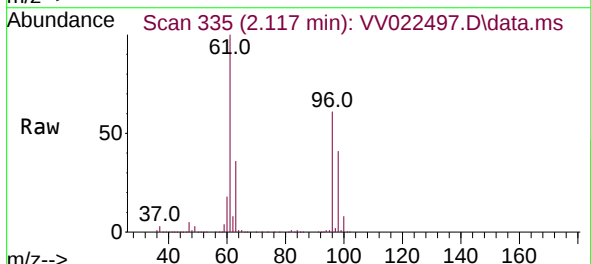
Tgt Ion: 96 Resp: 1049581

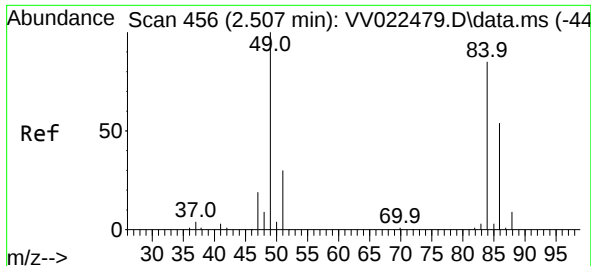
Ion Ratio Lower Upper

96 100

61 163.1 118.0 219.2

63 58.4 86.4 160.4#

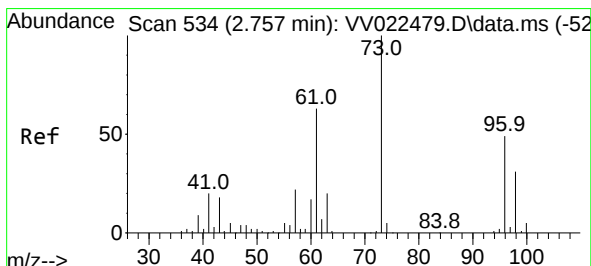
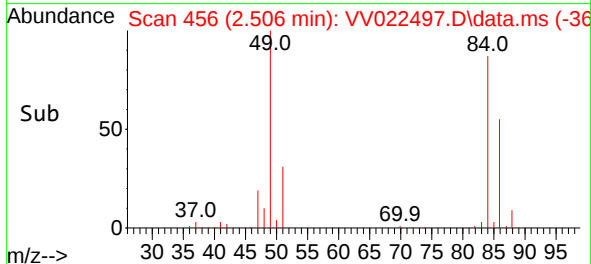
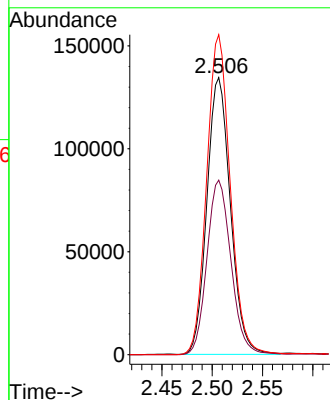
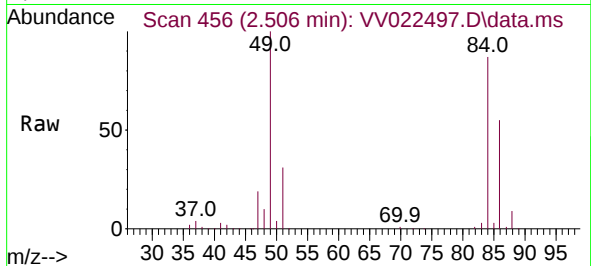




#16
Methylene chloride
Concen: 103.063 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

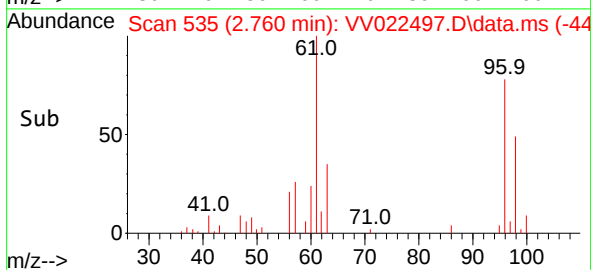
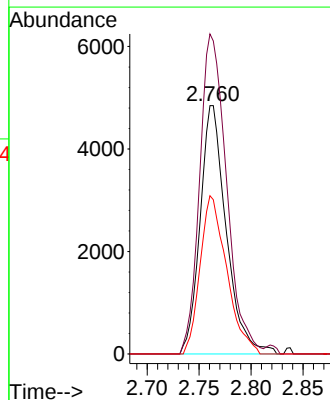
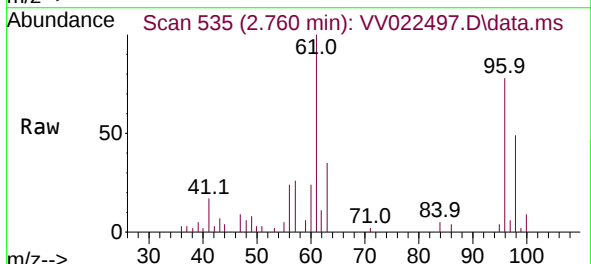
Instrument :
MSVOA_V
ClientSampleId :
C0AJ6

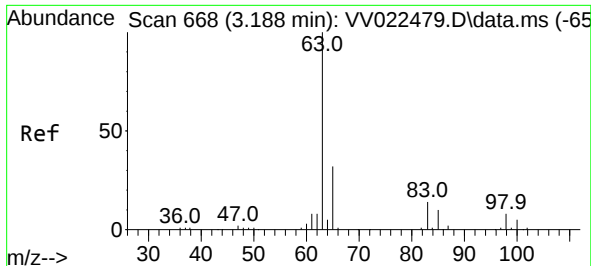
Tgt Ion:	84	Resp:	219152
Ion	Ratio	Lower	Upper
84	100		
86	63.0	45.6	84.6
49	115.5	82.7	153.7



#17
trans-1,2-Dichloroethene
Concen: 4.567 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion:	96	Resp:	8484
Ion	Ratio	Lower	Upper
96	100		
61	128.9	90.8	168.6
98	63.7	44.0	81.8



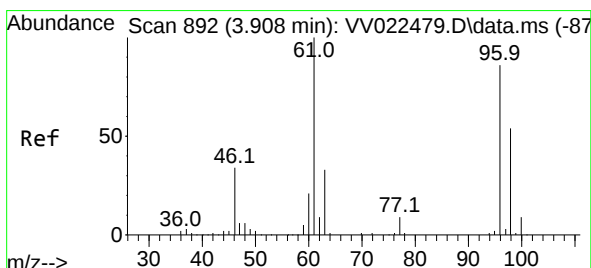
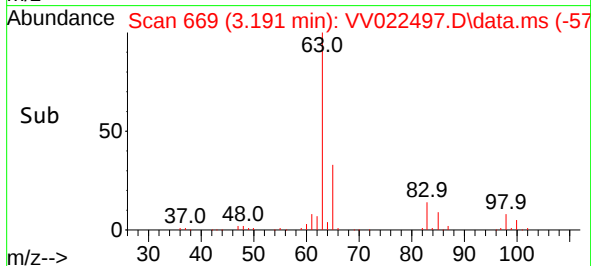
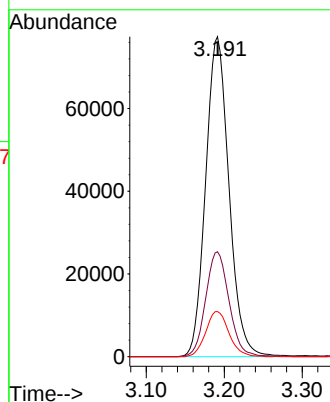
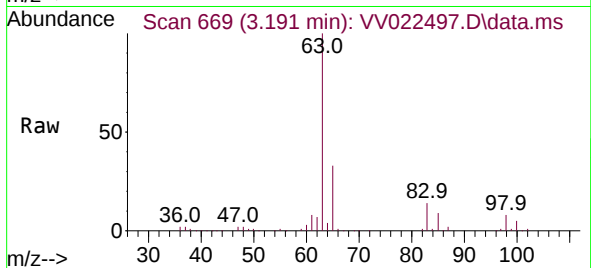


#19
1,1-Dichloroethane
Concen: 48.930 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Instrument :
MSVOA_V
ClientSampled :
C0AJ6

Tgt Ion: 63 Resp: 160849

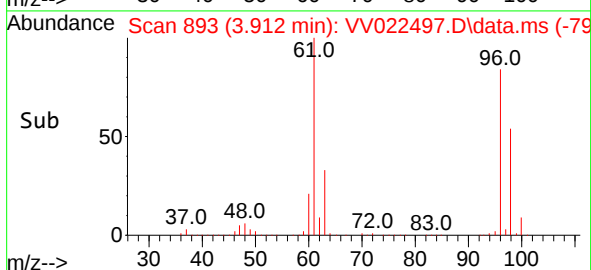
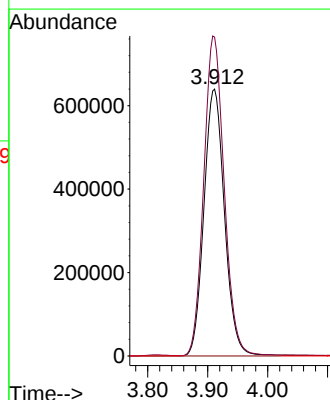
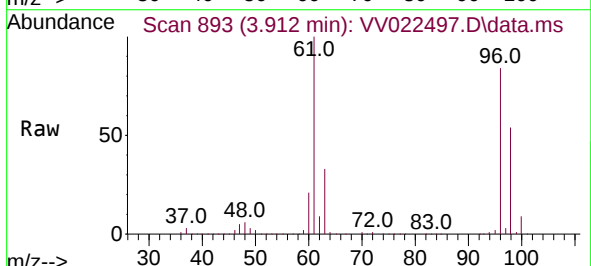
Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.9	42.5
83	14.1	9.4	17.4

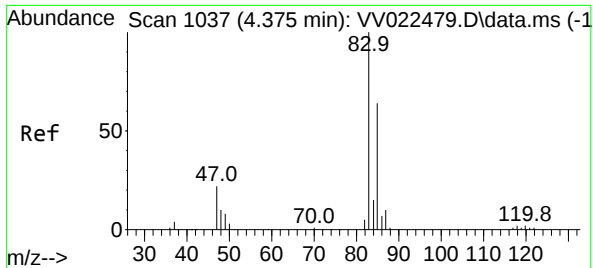


#20
cis-1,2-Dichloroethene
Concen: 772.975 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion: 96 Resp: 1529904

Ion	Ratio	Lower	Upper
96	100		
61	119.5	81.9	152.1
68	0.0	0.0	0.0



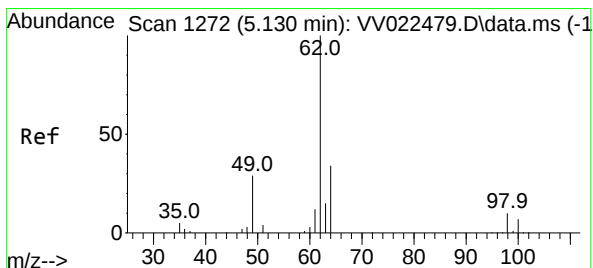
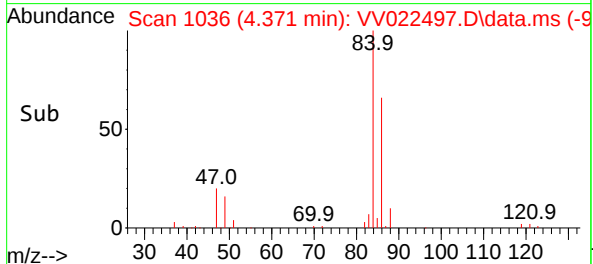
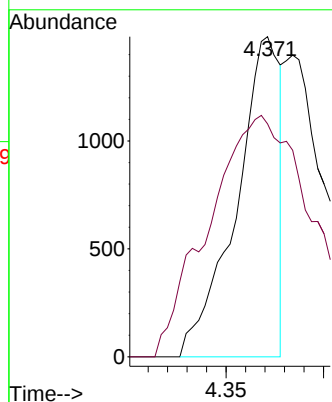
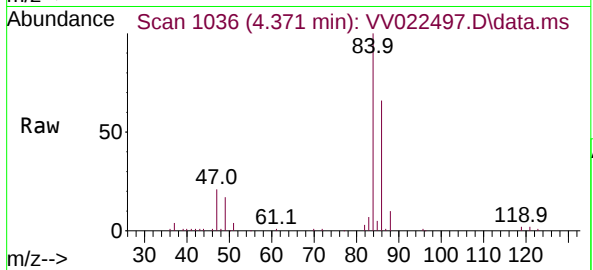


#25

Chloroform
Concen: 0.700 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

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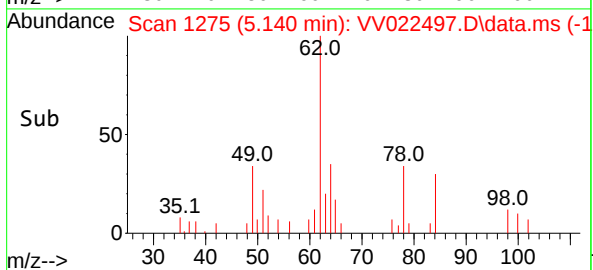
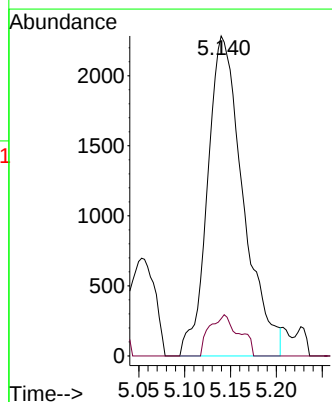
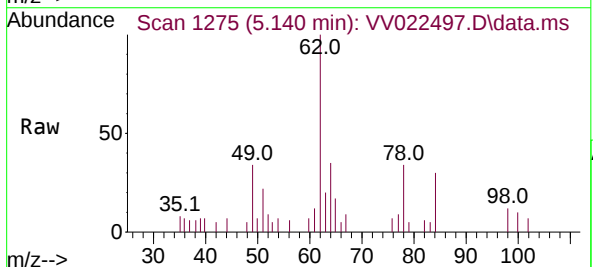
Tgt Ion: 83 Resp: 2314
Ion Ratio Lower Upper
83 100
85 72.8 45.8 85.0

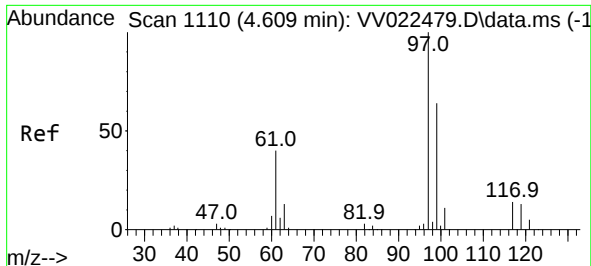


#27

1,2-Dichloroethane
Concen: 2.569 ug/L
RT: 5.140 min Scan# 1275
Delta R.T. 0.009 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion: 62 Resp: 6153
Ion Ratio Lower Upper
62 100
98 11.6 9.0 13.4

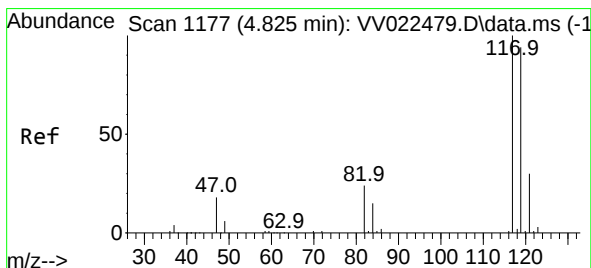
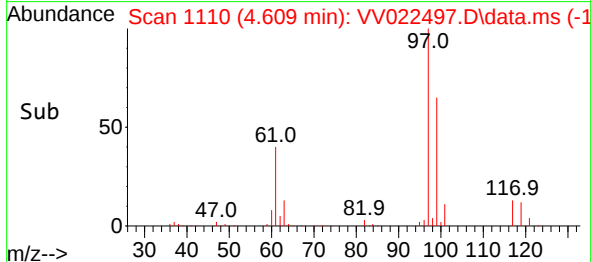
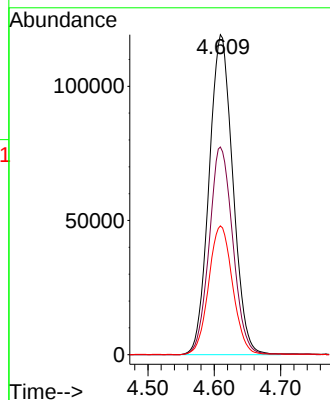
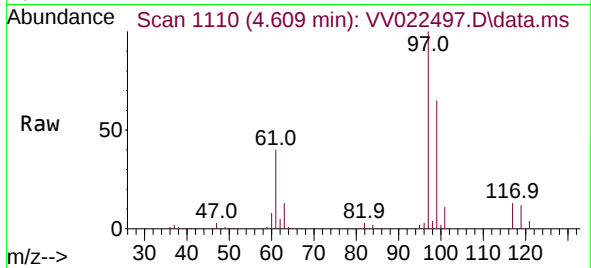




#30
1,1,1-Trichloroethane
Concen: 104.485 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

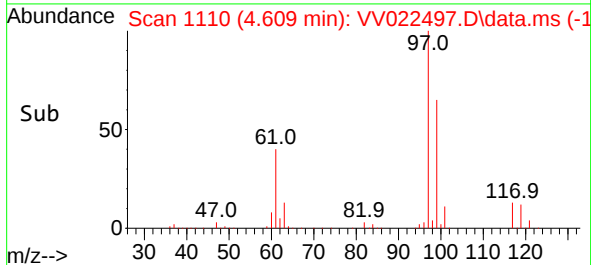
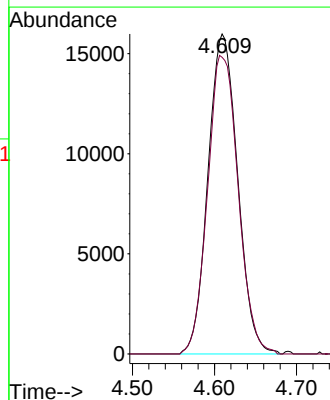
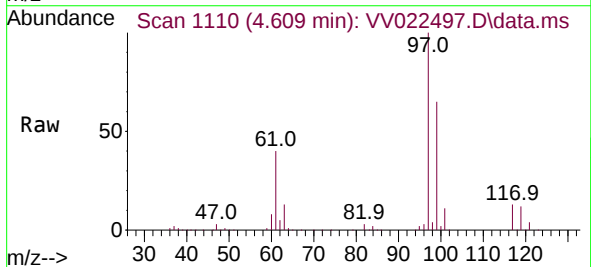
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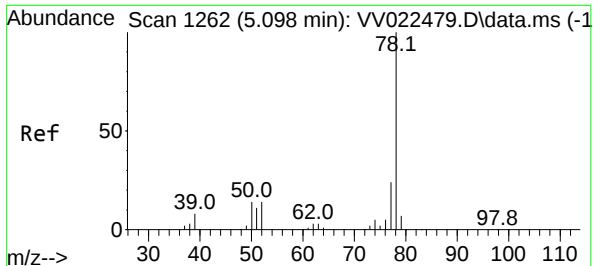
Tgt Ion:	97	Resp:	297039
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	40.6	32.9	49.3



#31
Carbon tetrachloride
Concen: 16.085 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.216 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion:	117	Resp:	40172
Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.3	117.5

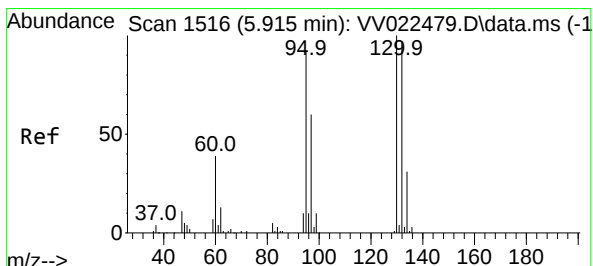
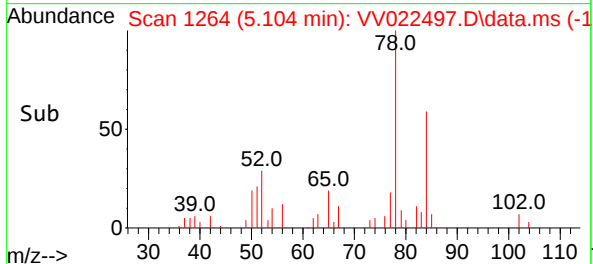
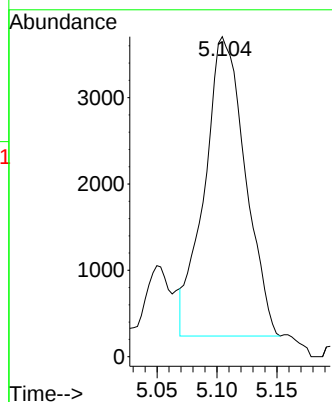
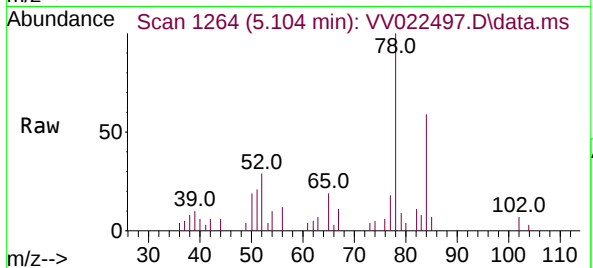




#33
Benzene
Concen: 1.167 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Instrument :
MSVOA_V
ClientSampleId :
C0AJ6

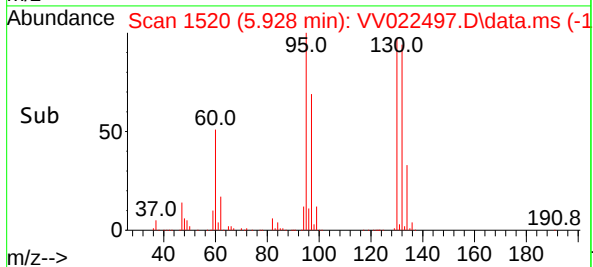
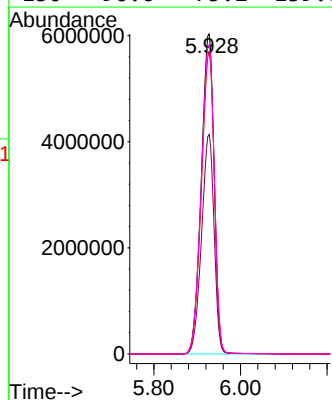
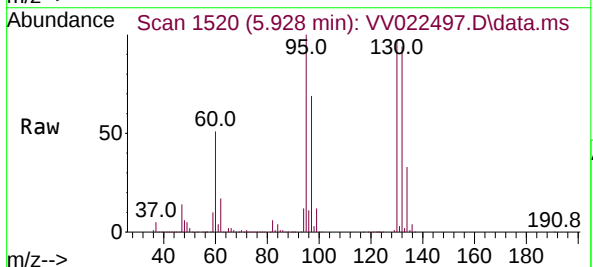
Tgt Ion: 78 Resp: 8199

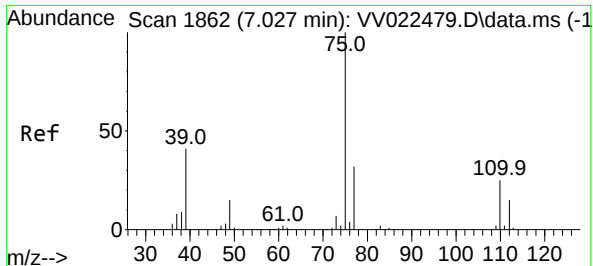


#34
Trichloroethene
Concen: 6754.348 ug/L
RT: 5.928 min Scan# 1520
Delta R.T. 0.013 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion: 95 Resp:12392319

Ion	Ratio	Lower	Upper
95	100		
97	68.6	45.4	84.4
132	94.2	71.5	132.9
130	96.6	75.2	139.6

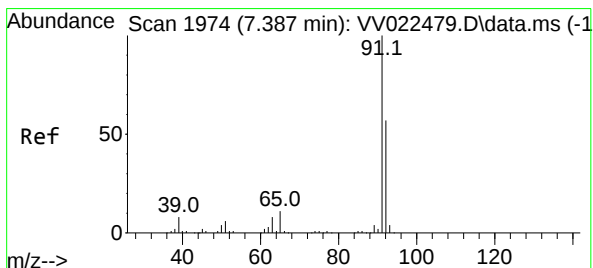
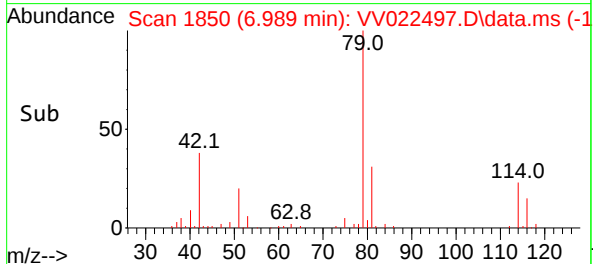
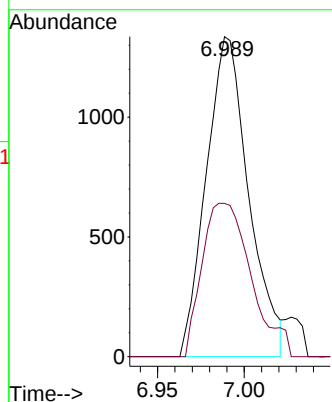
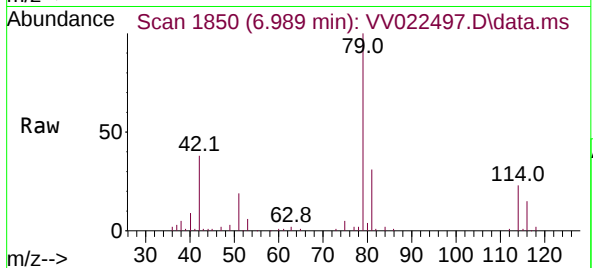




#39
cis-1,3-Dichloropropene
Concen: 0.841 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

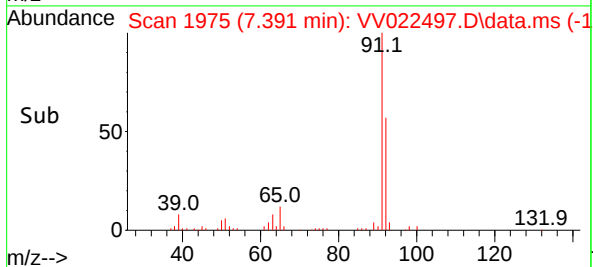
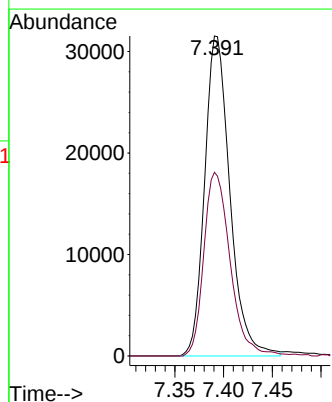
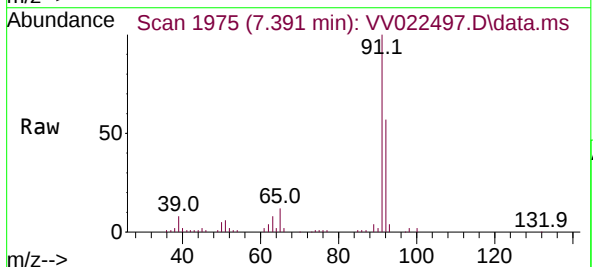
Instrument :
MSVOA_V
ClientSampleId :
C0AJ6

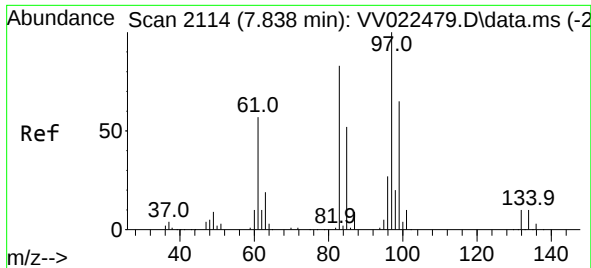
Tgt Ion: 75 Resp: 2276
Ion Ratio Lower Upper
75 100
77 47.9 21.6 40.2#



#42
Toluene
Concen: 7.698 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion: 91 Resp: 56979
Ion Ratio Lower Upper
91 100
92 57.4 40.6 75.4

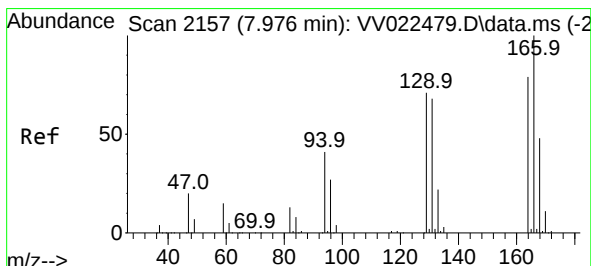
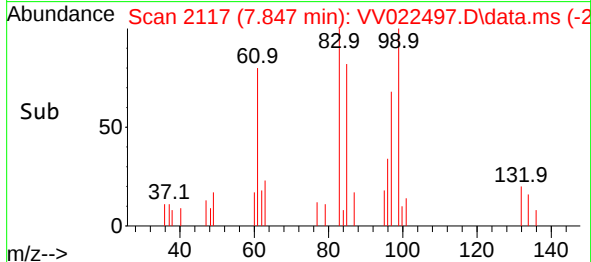
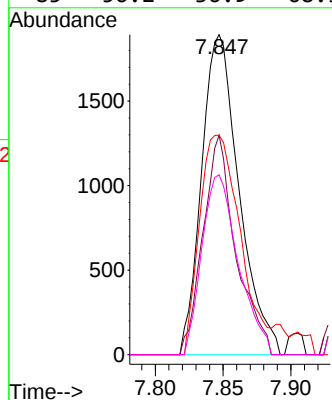
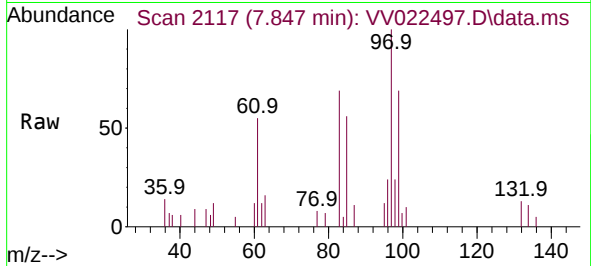




#45
1,1,2-Trichloroethane
Concen: 1.957 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.009 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

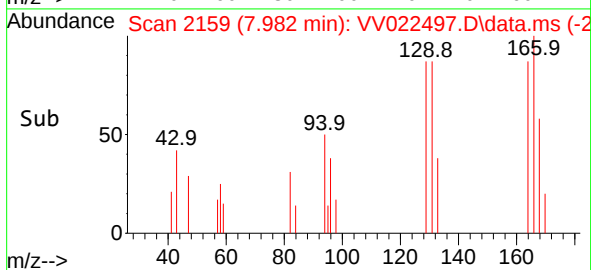
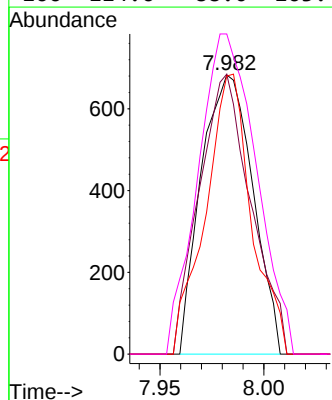
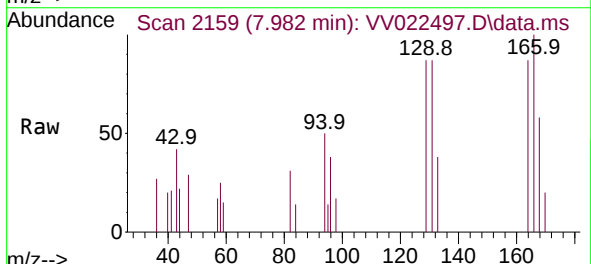
Instrument :
MSVOA_V
ClientSampleId :
C0AJ6

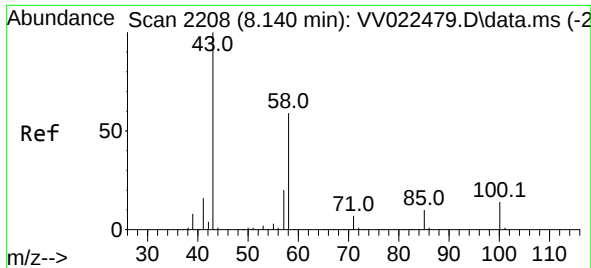
Tgt Ion: 97	Resp: 3645
Ion Ratio	Lower Upper
97 100	
99 68.6	43.1 80.1
83 68.6	58.6 108.8
85 56.2	36.9 68.5



#46
Tetrachloroethene
Concen: 0.766 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion: 164	Resp: 1177
Ion Ratio	Lower Upper
164 100	
129 100.3	64.6 120.0
131 99.6	59.9 111.3
166 114.6	88.0 163.4

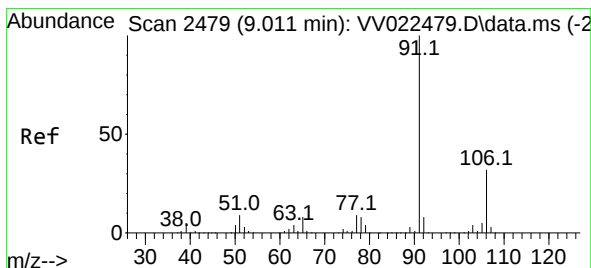
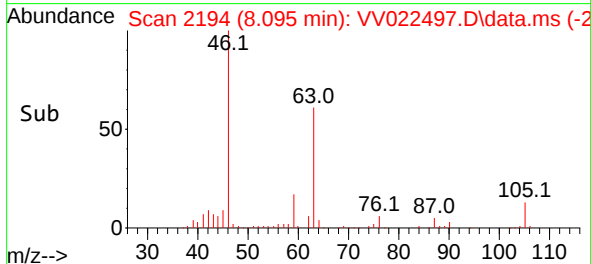
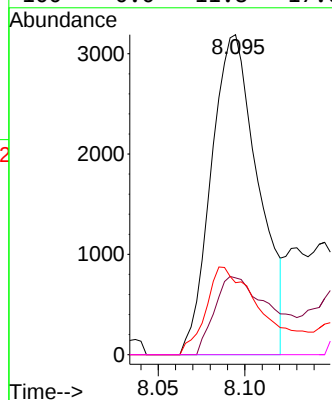
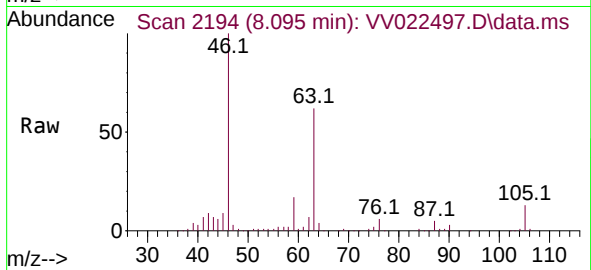




#48
2-Hexanone
Concen: 3.114 ug/L
RT: 8.095 min Scan# 2194
Delta R.T. -0.045 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

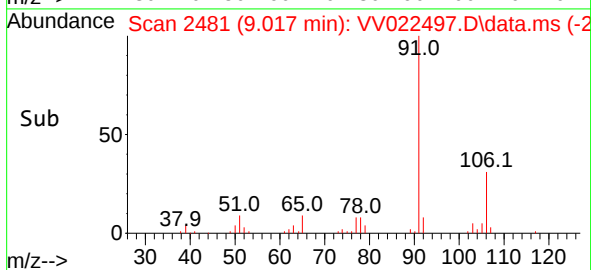
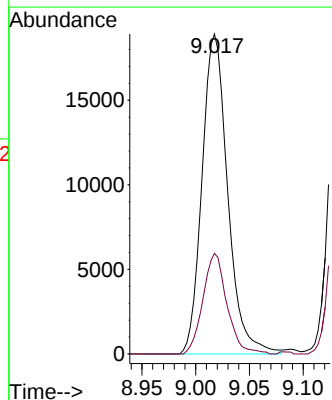
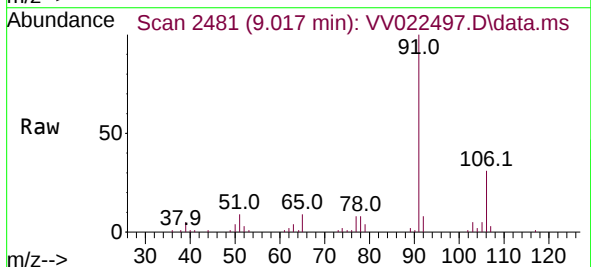
Instrument :
MSVOA_V
ClientSampled :
C0AJ6

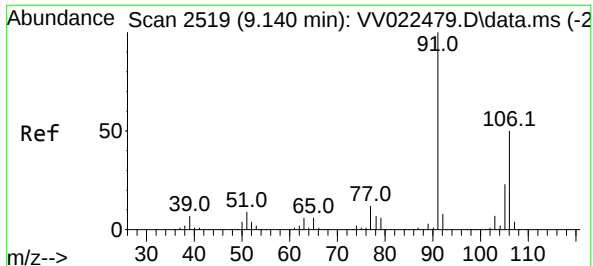
Tgt Ion:	43	Resp:	6020
Ion	Ratio	Lower	Upper
43	100		
58	29.9	47.0	70.4#
57	32.9	15.8	23.6#
100	0.0	11.8	17.6#



#52
Ethylbenzene
Concen: 4.079 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV022497.D
Acq: 02 Oct 2021 05:14

Tgt Ion:	91	Resp:	31421
Ion	Ratio	Lower	Upper
91	100		
106	31.5	22.0	41.0





#53

m,p-Xylene

Concen: 11.083 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV022497.D

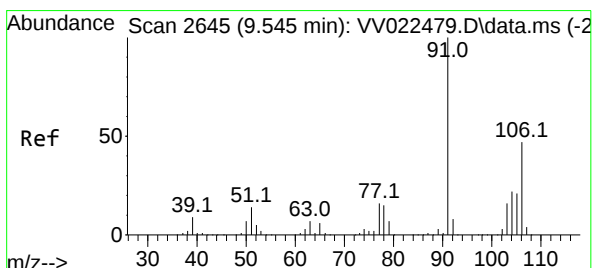
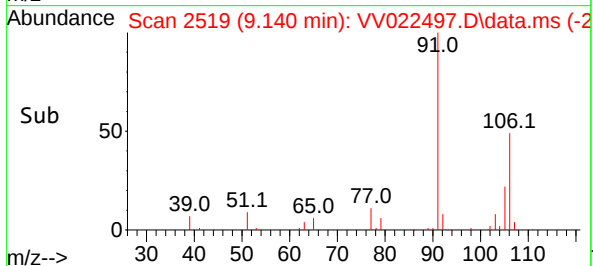
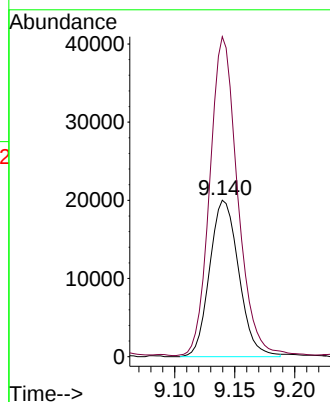
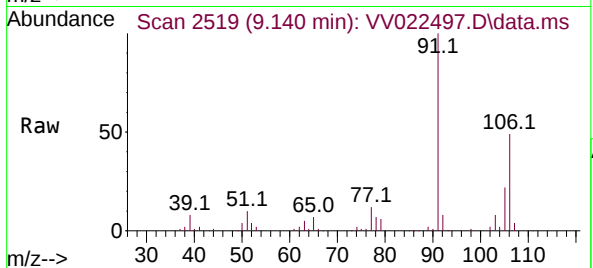
Acq: 02 Oct 2021 05:14

Tgt Ion:106 Resp: 33827

Ion Ratio Lower Upper

106 100

91 204.5 139.4 258.8



#54

o-Xylene

Concen: 9.582 ug/L

RT: 9.545 min Scan# 2645

Delta R.T. -0.000 min

Lab File: VV022497.D

Acq: 02 Oct 2021 05:14

Tgt Ion:106 Resp: 28493

Ion Ratio Lower Upper

106 100

91 205.0 148.7 276.1

