

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100121\
 Data File : VW022493.D
 Acq On : 02 Oct 2021 03:39
 Operator : SY/MD
 Sample : M4023-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH6

Quant Time: Oct 02 05:40:07 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	251815	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	250172	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	127905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	256048	164.410	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	328.820%#
7) Chloroethane-d5	1.564	69	57718	47.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.300%
11) 1,1-Dichloroethene-d2	2.114	63	1345373	438.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	876.240%#
21) 2-Butanone-d5	3.918	46	83334	97.210	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.210%
24) Chloroform-d	4.349	84	125119	43.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.940%
26) 1,2-Dichloroethane-d4	5.034	65	75088	45.492	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.980%
32) Benzene-d6	5.050	84	251821	43.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.900%
36) 1,2-Dichloropropane-d6	6.072	67	78725	44.124	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.240%
41) Toluene-d8	7.317	98	231667	43.577	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.160%
43) trans-1,3-Dichloroprop...	7.622	79	35853	42.472	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.940%
47) 2-Hexanone-d5	8.091	63	67126	90.820	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.820%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	108157	43.594	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.180%
66) 1,2-Dichlorobenzene-d4	11.625	152	94028	45.080	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.413	50	10727	4.283	ug/L	84
9) Trichlorofluoromethane	2.114	101	6425	1.971	ug/L #	19
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6533	3.540	ug/L #	29
12) 1,1-Dichloroethene	2.117	96	2311480	1314.076	ug/L #	72
13) Acetone	2.439	43	2938	2.713	ug/L	84
14) Carbon disulfide	2.297	76	4124	0.776	ug/L	100
15) Methyl Acetate	2.439	43	3844	1.946	ug/L #	82
16) Methylene chloride	2.506	84	47279	21.393	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	205869	106.616	ug/L	98
19) 1,1-Dichloroethane	3.188	63	3633515	1063.476	ug/L	99
22) 2-Butanone	3.976	43	139195	97.622	ug/L #	57
27) 1,2-Dichloroethane	5.133	62	66516	26.718	ug/L	97
30) 1,1,1-Trichloroethane	4.612	97	5086718	1627.687	ug/L	99
31) Carbon tetrachloride	4.612	117	676831	246.529	ug/L	99
33) Benzene	5.104	78	20872	2.702	ug/L	100
34) Trichloroethene	5.915	95	2220578	1101.008	ug/L	99
39) cis-1,3-Dichloropropene	6.989	75	2379	0.800	ug/L #	67
40) 4-Methyl-2-pentanone	7.233	43	10533	3.790	ug/L #	87
42) Toluene	7.387	91	416845	51.229	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100121\
 Data File : VV022493.D
 Acq On : 02 Oct 2021 03:39
 Operator : SY/MD
 Sample : M4023-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH6

Quant Time: Oct 02 05:40:07 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)

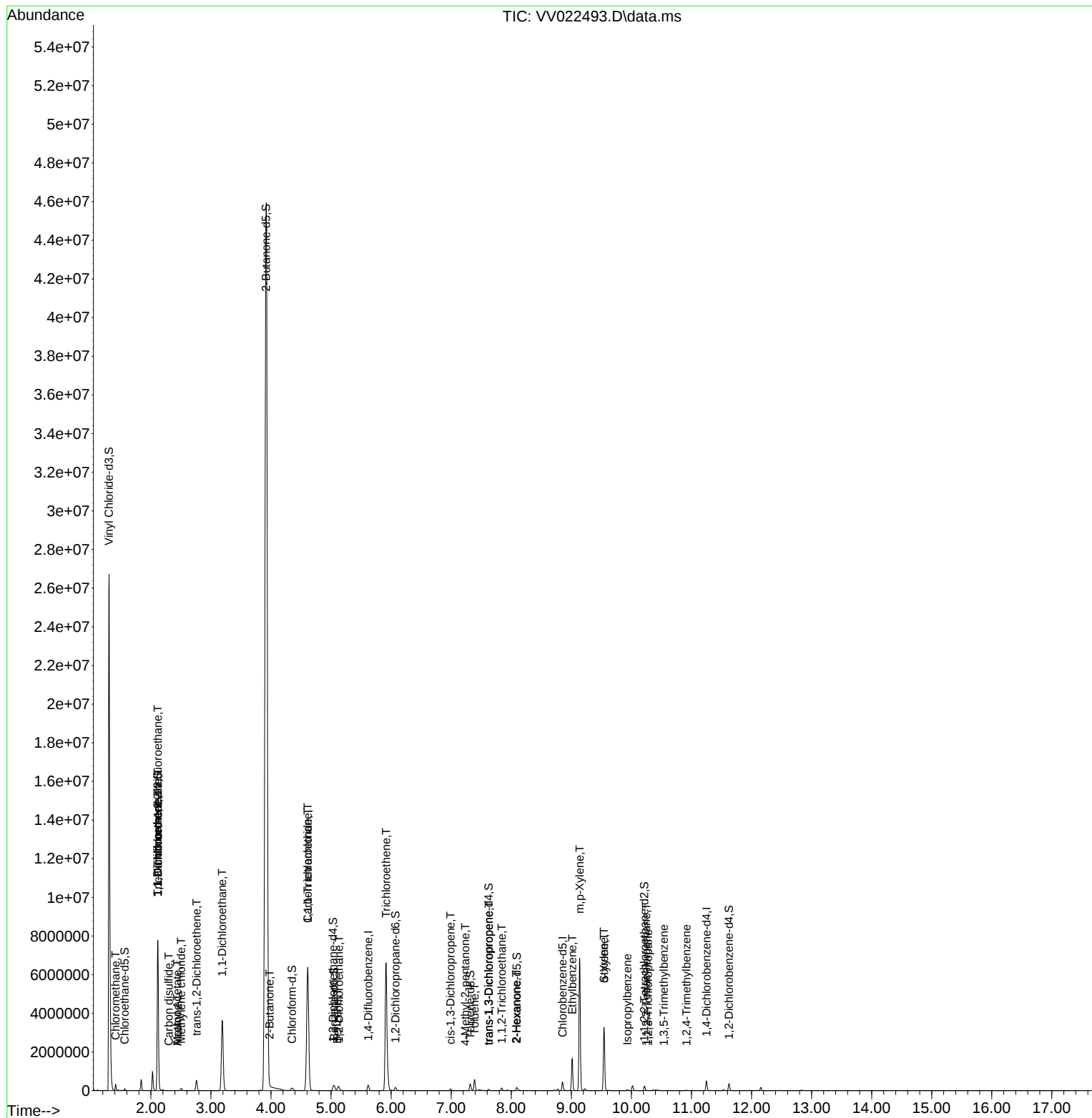
44) trans-1,3-Dichloropropene	7.628	75	1747	0.610	ug/L	88
45) 1,1,2-Trichloroethane	7.841	97	42331	20.677	ug/L	97
48) 2-Hexanone	8.085	43	12837	6.040	ug/L #	54
52) Ethylbenzene	9.014	91	1119277	132.168	ug/L	100
53) m,p-Xylene	9.140	106	1895740	565.011	ug/L	100
54) o-Xylene	9.545	106	865291	264.703	ug/L	98
55) Styrene	9.545	104	42367	7.552	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.246	83	2426	0.767	ug/L #	85
60) Isopropylbenzene	9.934	105	31289	3.845	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	4471	1.838	ug/L	93
62) 1,3,5-Trimethylbenzene	10.541	105	7863	1.148	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	15877	2.331	ug/L	96

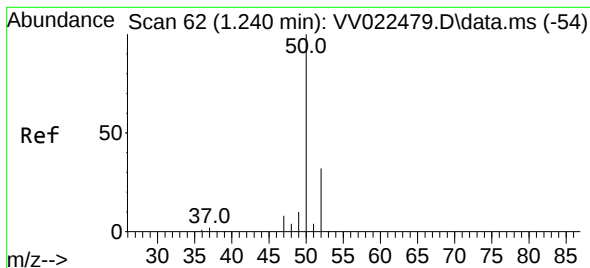
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100121\
Data File : VV022493.D
Acq On : 02 Oct 2021 03:39
Operator : SY/MD
Sample : M4023-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AH6

Quant Time: Oct 02 05:40:07 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

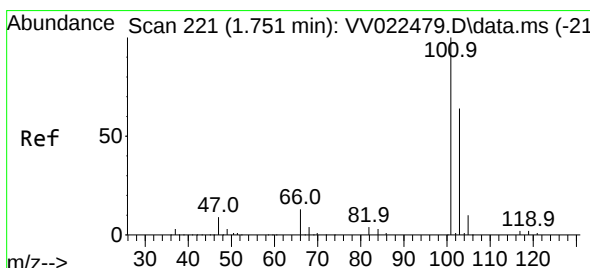
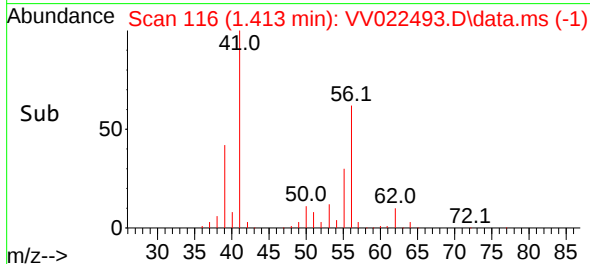
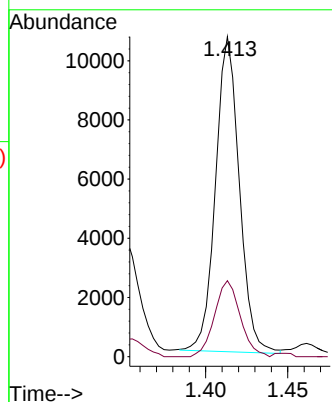
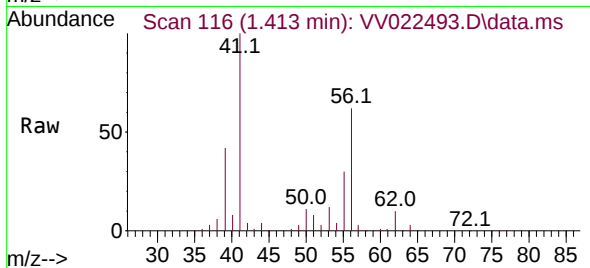




#3
Chloromethane
Concen: 4.283 ug/L
RT: 1.413 min Scan# 116
Delta R.T. 0.173 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

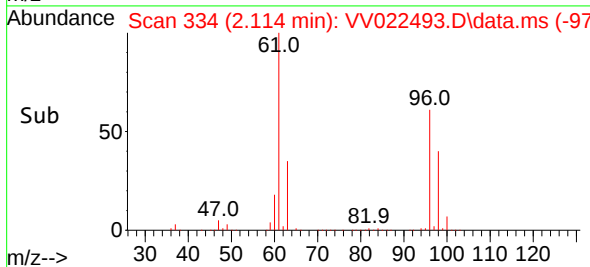
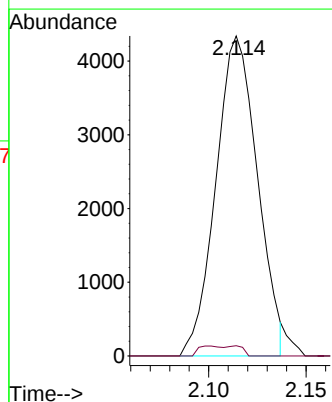
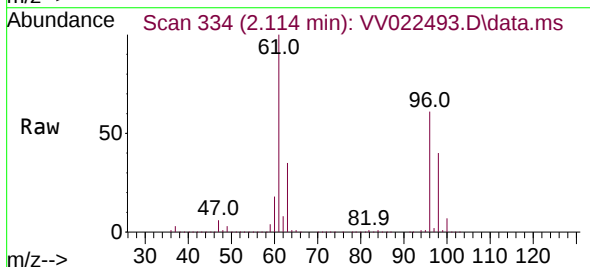
Instrument :
MSVOA_V
ClientSampled :
C0AH6

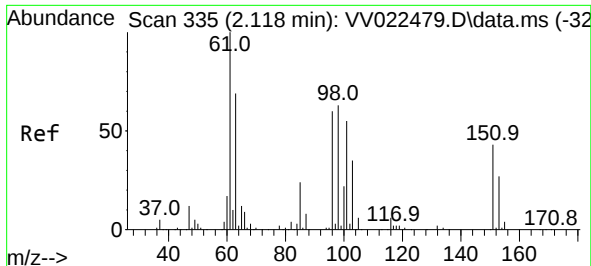
Tgt Ion: 50 Resp: 10727
Ion Ratio Lower Upper
50 100
52 23.7 23.0 42.8



#9
Trichlorofluoromethane
Concen: 1.971 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.363 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 101 Resp: 6425
Ion Ratio Lower Upper
101 100
103 1.2 51.7 77.5#

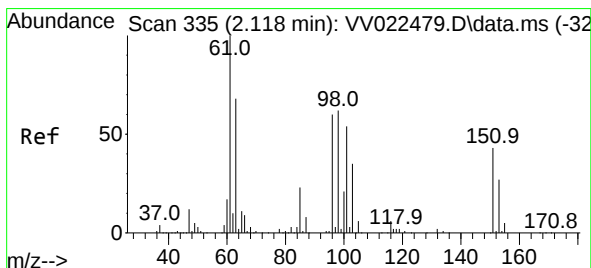
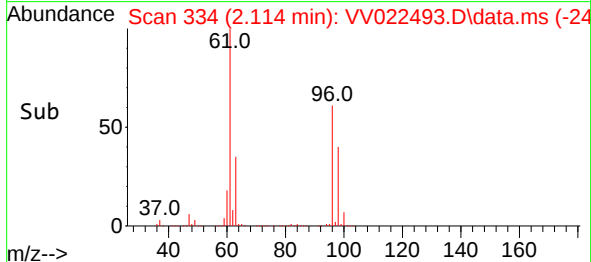
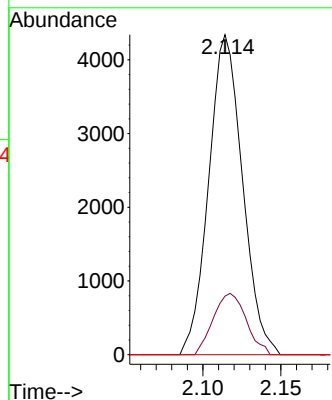
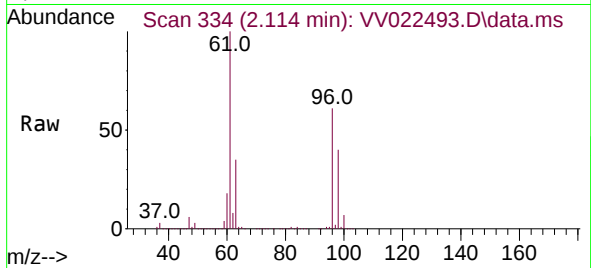




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.540 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

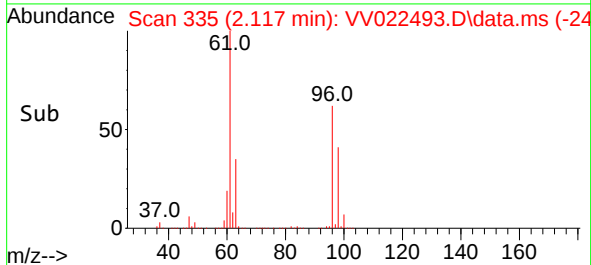
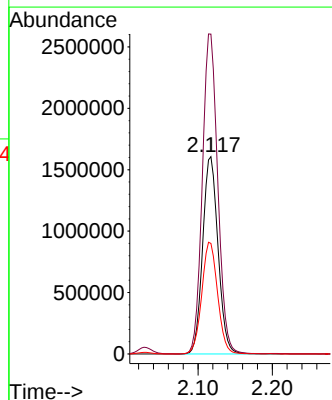
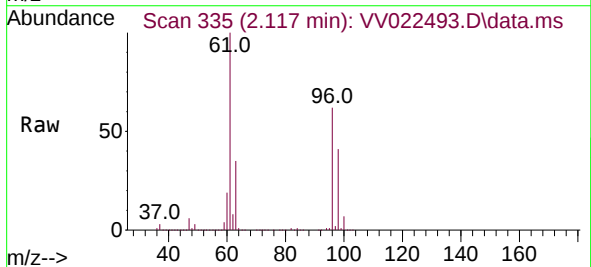
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

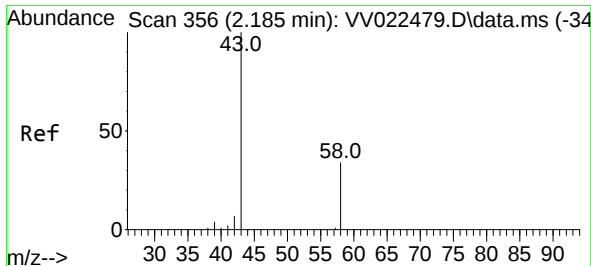
Tgt Ion:101 Resp: 6533
Ion Ratio Lower Upper
101 100
85 18.8 34.7 52.1#
151 0.0 61.3 91.9#



#12
1,1-Dichloroethene
Concen: 1314.076 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 96 Resp: 2311480
Ion Ratio Lower Upper
96 100
61 162.2 118.0 219.2
63 56.0 86.4 160.4#

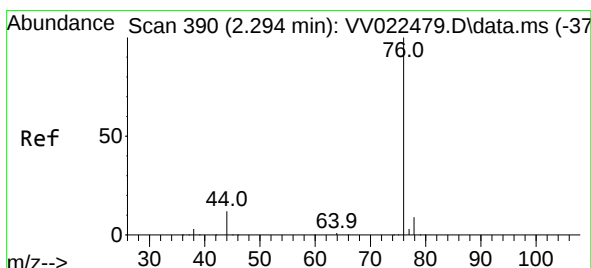
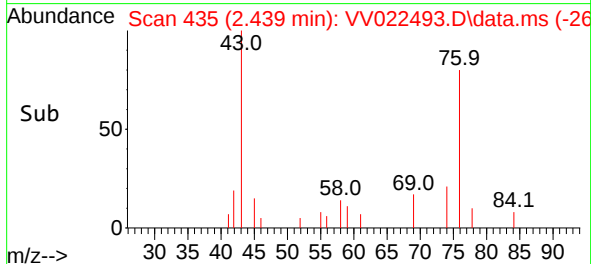
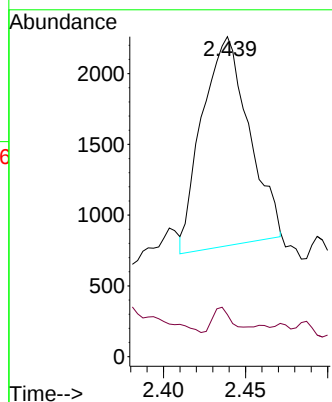
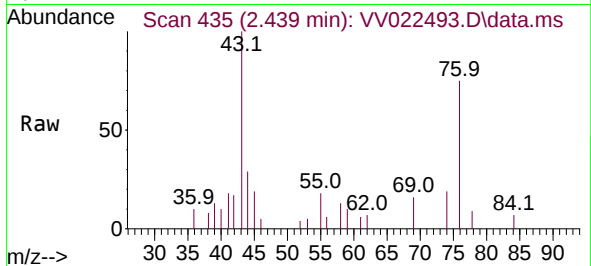




#13
Acetone
Concen: 2.713 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.254 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

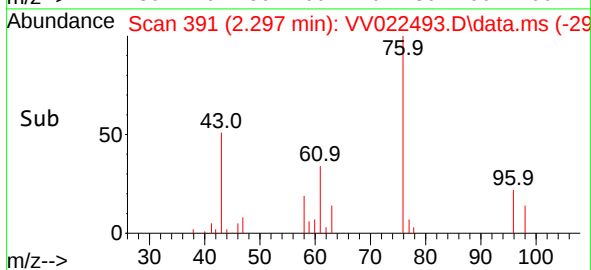
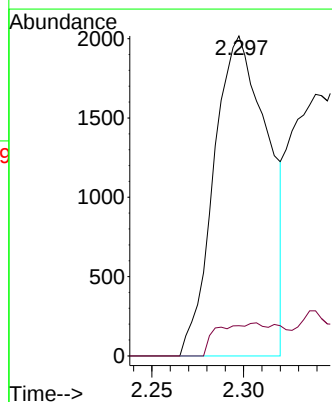
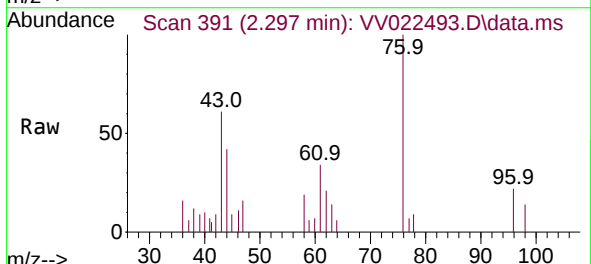
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

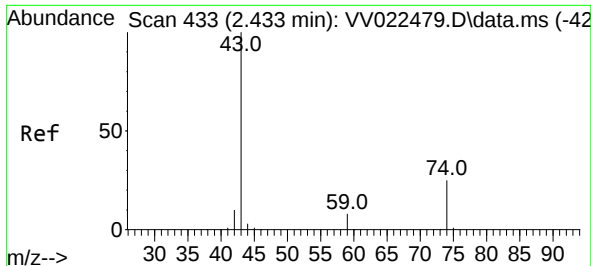
Tgt Ion: 43 Resp: 2938
Ion Ratio Lower Upper
43 100
58 4.7 0.0 21.2



#14
Carbon disulfide
Concen: 0.776 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

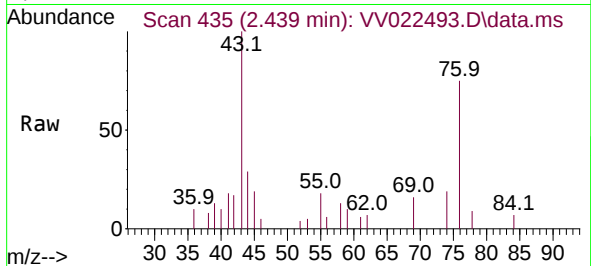
Tgt Ion: 76 Resp: 4124
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4



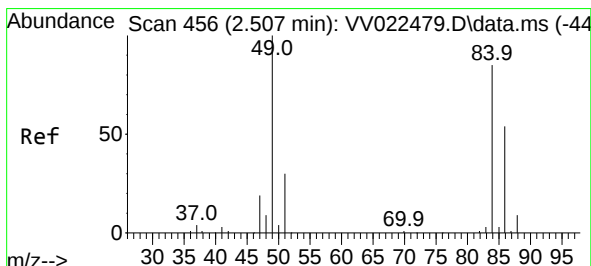
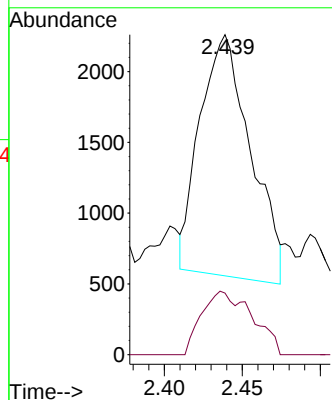
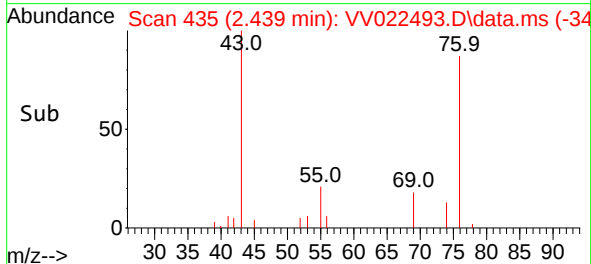


#15
Methyl Acetate
Concen: 1.946 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.006 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

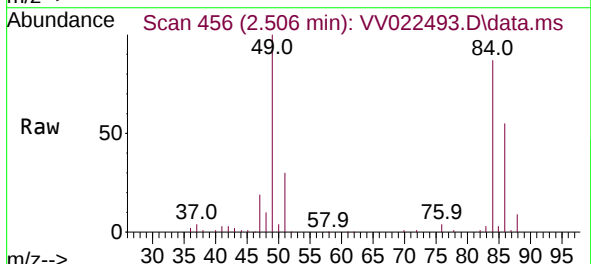
Instrument :
MSVOA_V
ClientSampleId :
C0AH6



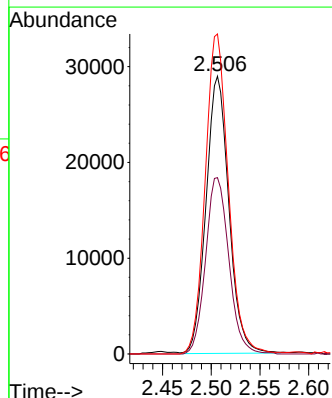
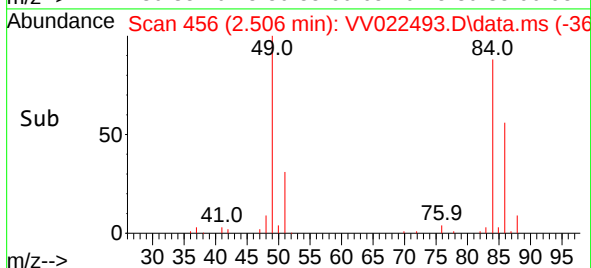
Tgt Ion: 43 Resp: 3844
Ion Ratio Lower Upper
43 100
74 16.6 20.6 30.8#

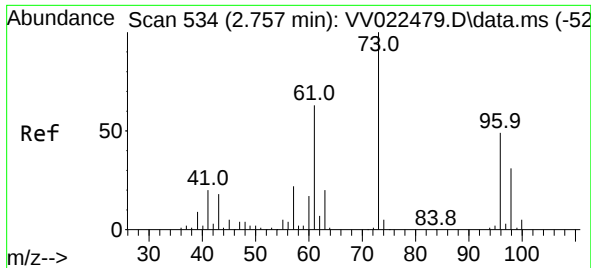


#16
Methylene chloride
Concen: 21.393 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39



Tgt Ion: 84 Resp: 47279
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.6
49 115.2 82.7 153.7

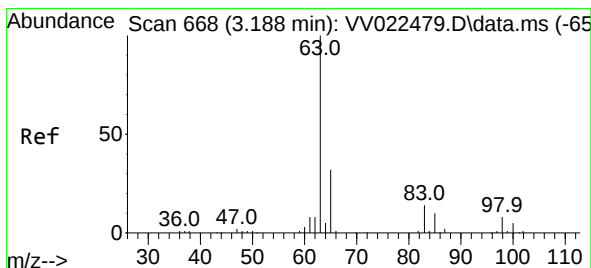
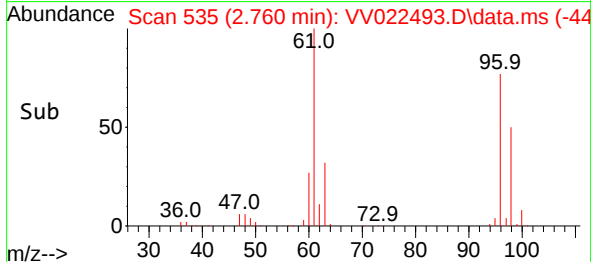
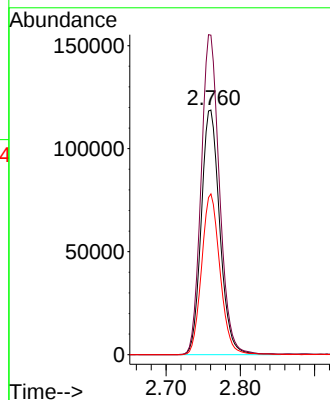
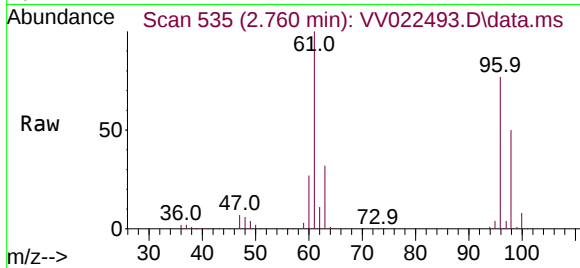




#17
trans-1,2-Dichloroethene
Concen: 106.616 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

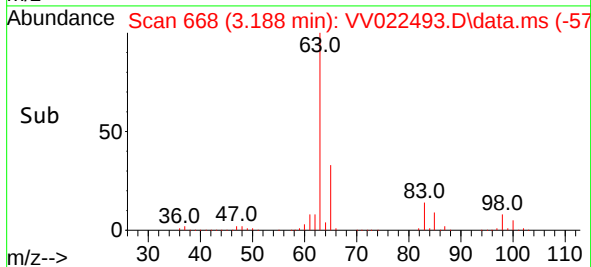
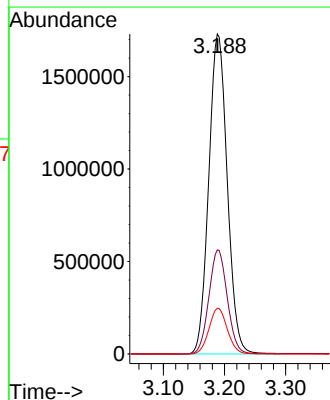
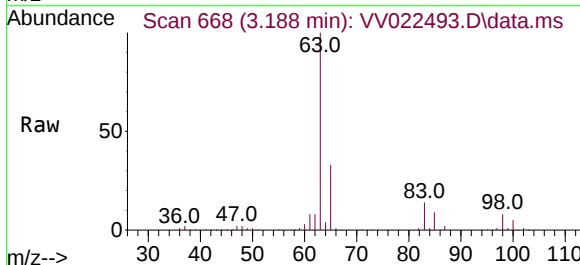
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

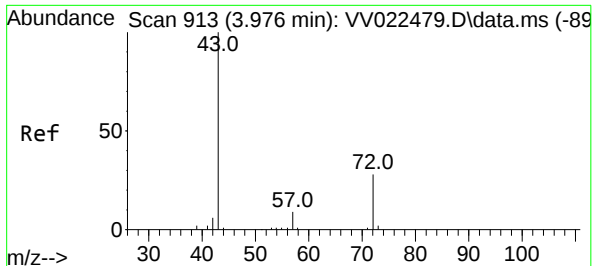
Tgt Ion: 96 Resp: 205869
Ion Ratio Lower Upper
96 100
61 130.6 90.8 168.6
98 65.7 44.0 81.8



#19
1,1-Dichloroethane
Concen: 1063.476 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 63 Resp: 3633515
Ion Ratio Lower Upper
63 100
65 32.6 22.9 42.5
83 14.3 9.4 17.4

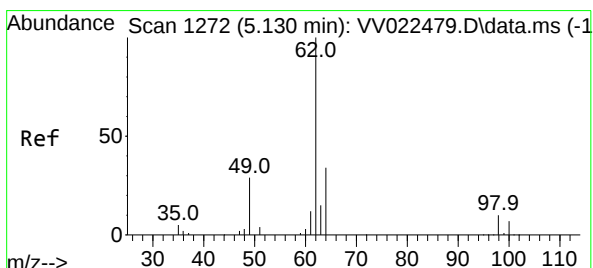
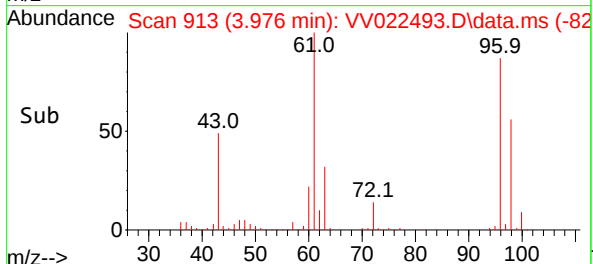
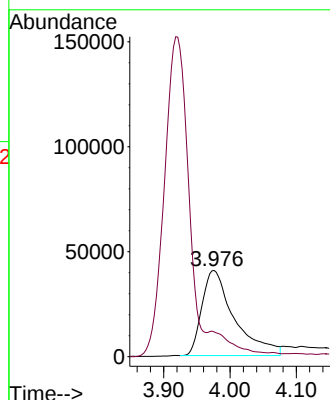
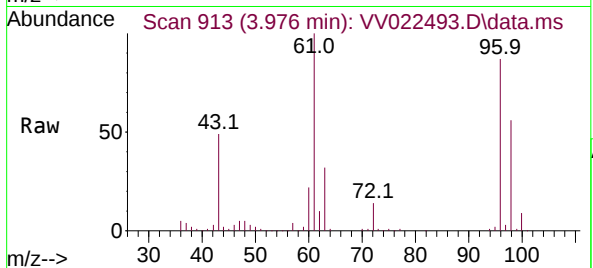




#22
2-Butanone
Concen: 97.622 ug/L
RT: 3.976 min Scan# 913
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

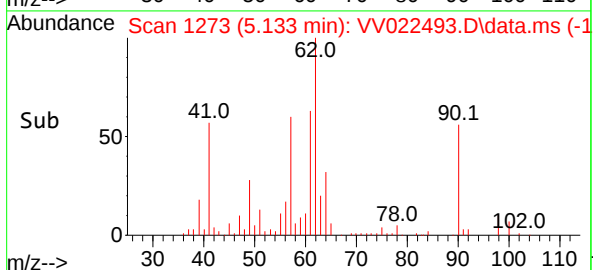
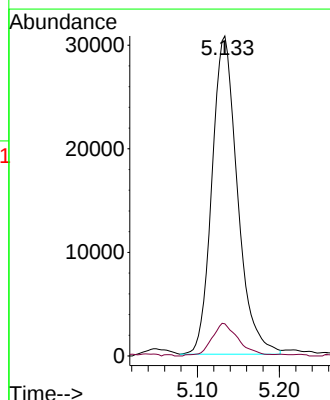
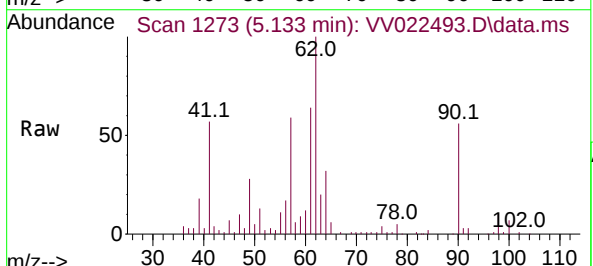
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

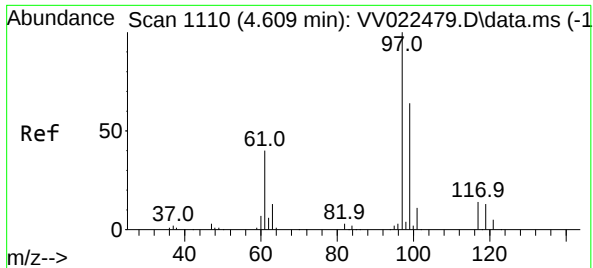
Tgt Ion: 43 Resp: 139195
Ion Ratio Lower Upper
43 100
72 0.0 10.0 29.8#



#27
1,2-Dichloroethane
Concen: 26.718 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 62 Resp: 66516
Ion Ratio Lower Upper
62 100
98 10.1 9.0 13.4

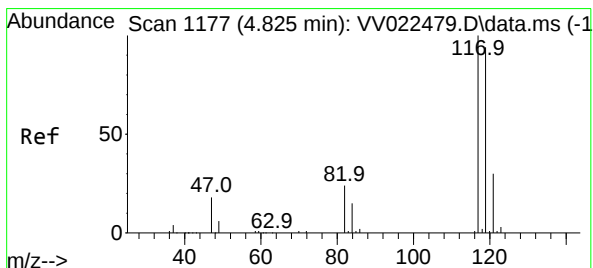
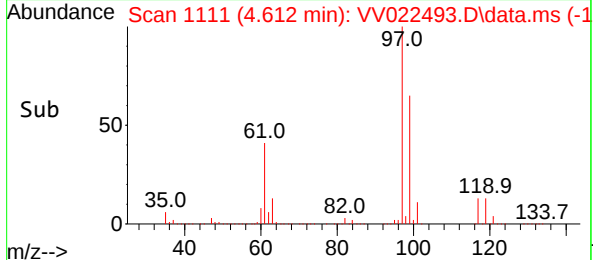
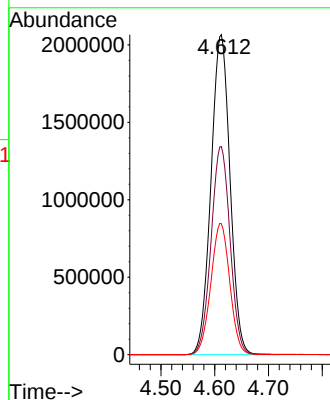
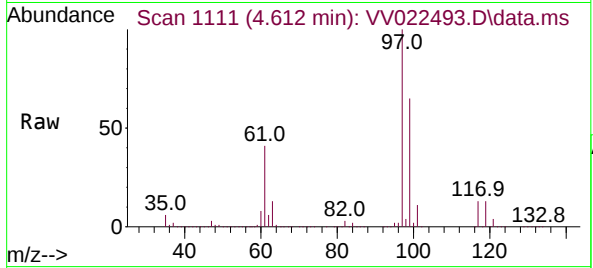




#30
1,1,1-Trichloroethane
Concen: 1627.687 ug/L
RT: 4.612 min Scan# 1111
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

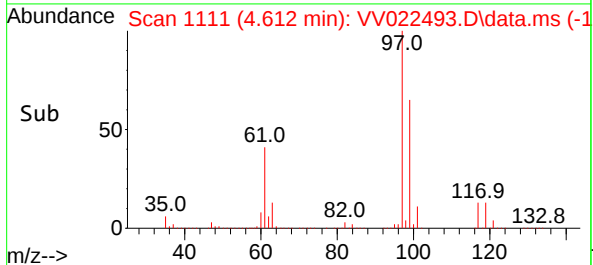
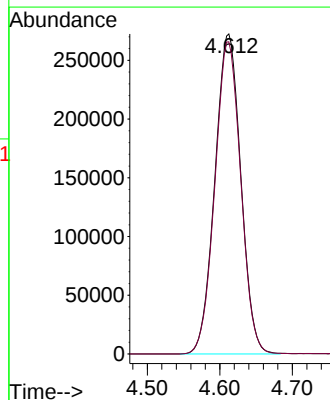
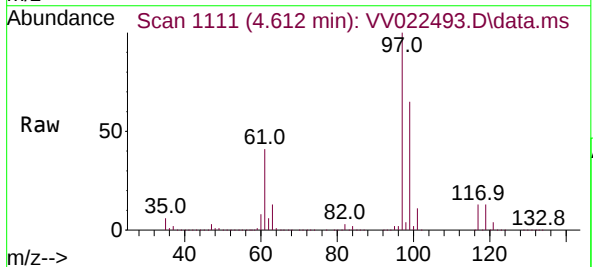
Instrument :
MSVOA_V
ClientSampled :
C0AH6

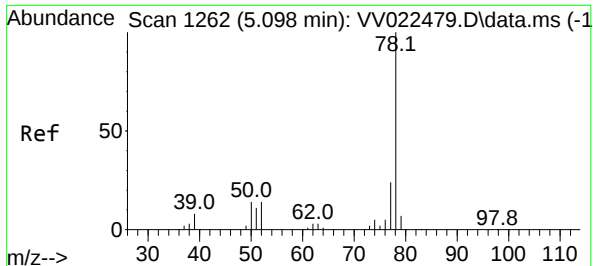
Tgt Ion: 97 Resp: 5086718
Ion Ratio Lower Upper
97 100
99 65.1 51.7 77.5
61 40.7 32.9 49.3



#31
Carbon tetrachloride
Concen: 246.529 ug/L
RT: 4.612 min Scan# 1111
Delta R.T. -0.212 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 117 Resp: 676831
Ion Ratio Lower Upper
117 100
119 97.3 78.3 117.5

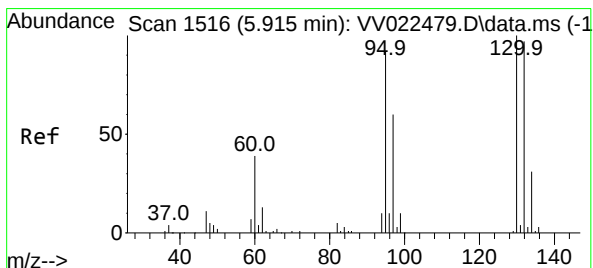
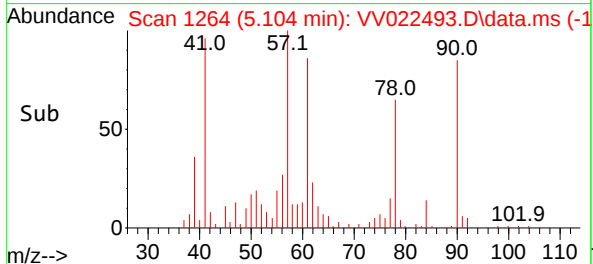
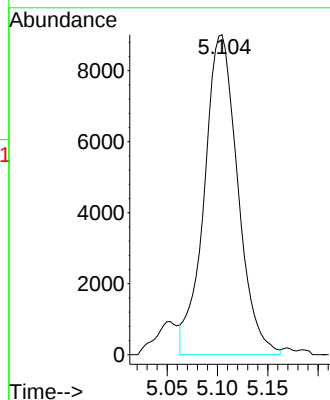
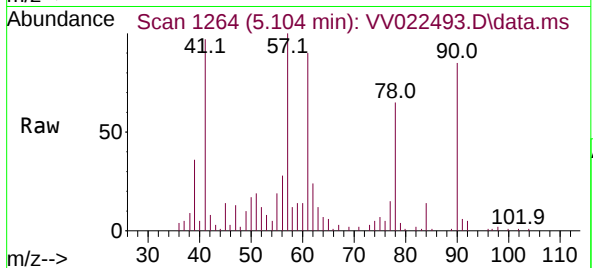




#33
Benzene
Concen: 2.702 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Instrument :
MSVOA_V
ClientSampled :
C0AH6

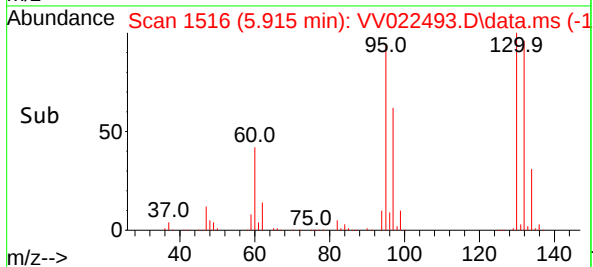
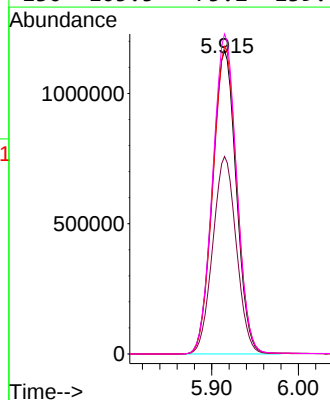
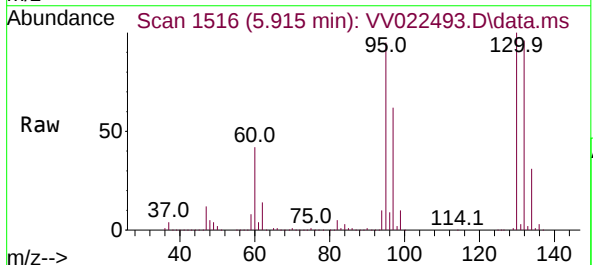
Tgt Ion: 78 Resp: 20872

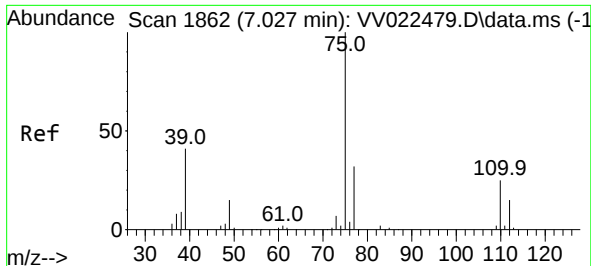


#34
Trichloroethene
Concen: 1101.008 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 95 Resp: 2220578

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.4	84.4
132	101.4	71.5	132.9
130	105.5	75.2	139.6



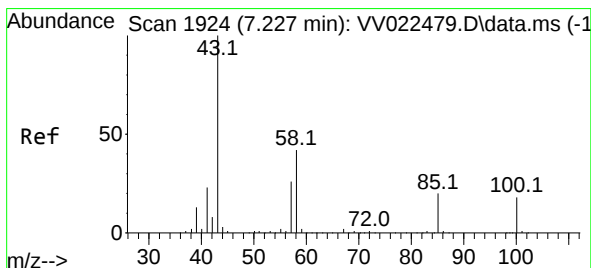
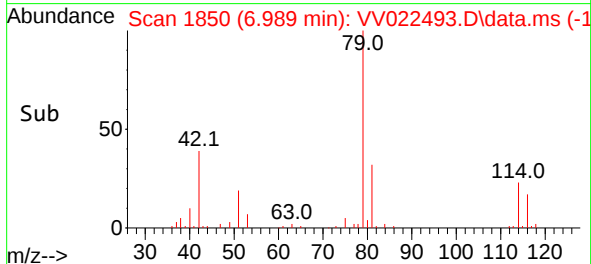
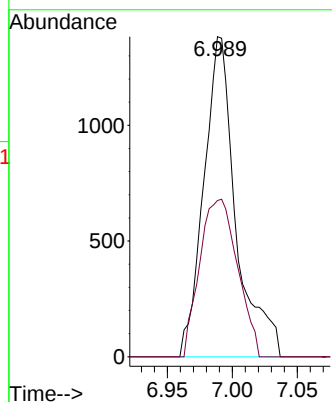
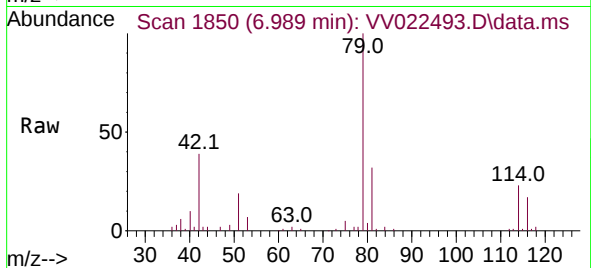


#39

cis-1,3-Dichloropropene
Concen: 0.800 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Instrument :
MSVOA_V
ClientSampled :
C0AH6

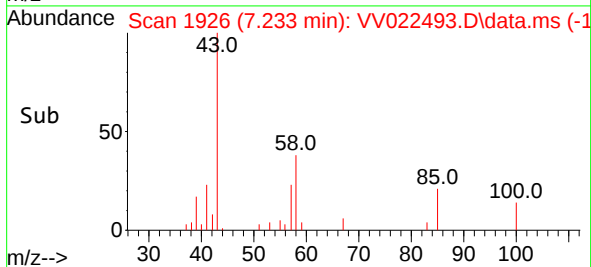
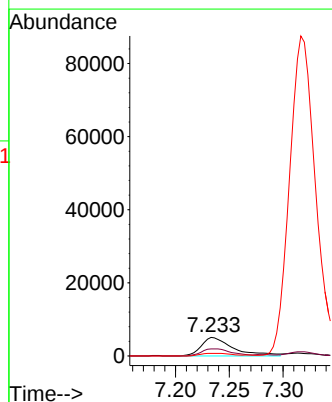
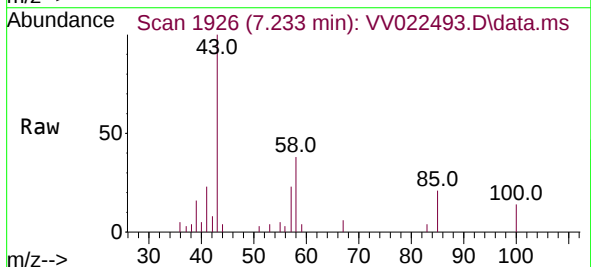
Tgt Ion: 75 Resp: 2379
Ion Ratio Lower Upper
75 100
77 48.8 21.6 40.2#

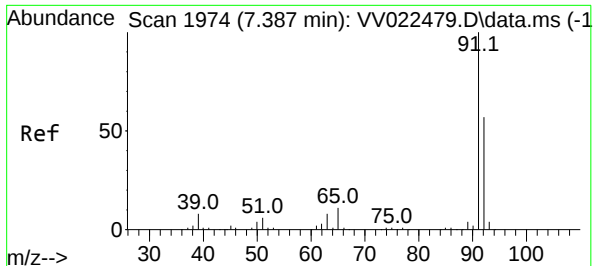


#40

4-Methyl-2-pentanone
Concen: 3.790 ug/L
RT: 7.233 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 43 Resp: 10533
Ion Ratio Lower Upper
43 100
58 35.7 32.5 48.7
100 6.6 13.9 20.9#

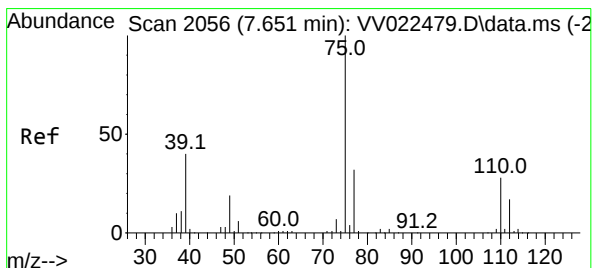
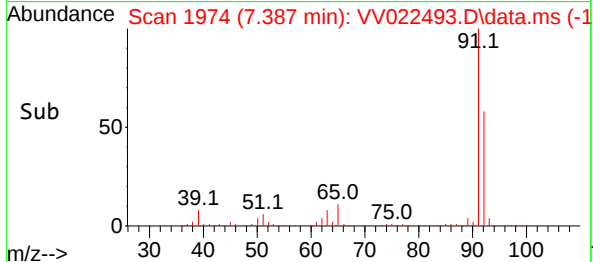
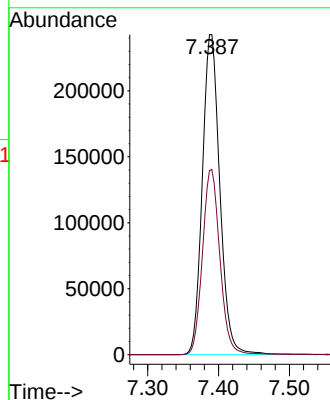
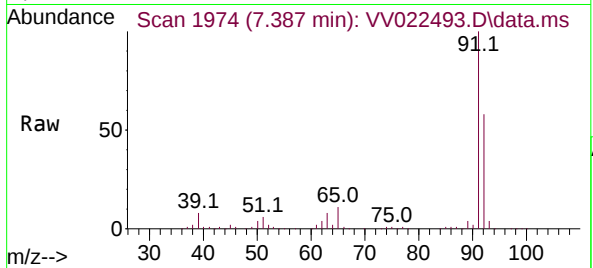




#42
Toluene
Concen: 51.229 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

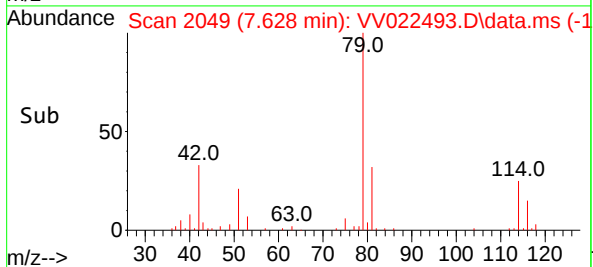
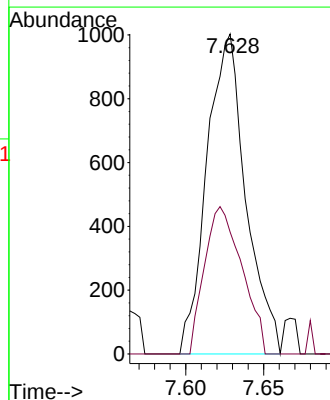
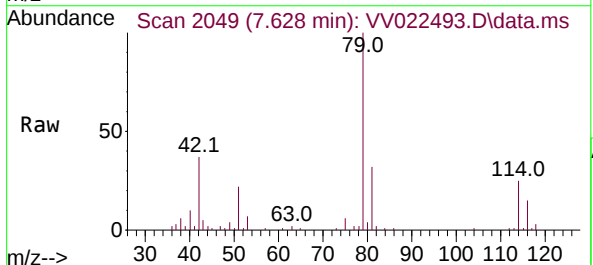
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

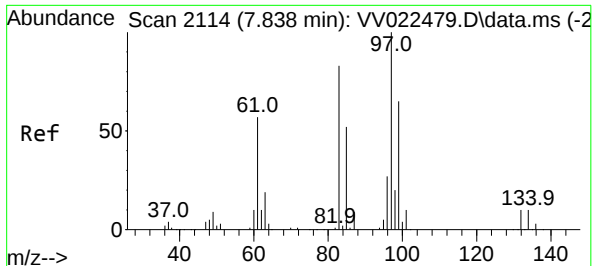
Tgt Ion: 91 Resp: 416845
Ion Ratio Lower Upper
91 100
92 57.6 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 0.610 ug/L
RT: 7.628 min Scan# 2049
Delta R.T. -0.023 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 75 Resp: 1747
Ion Ratio Lower Upper
75 100
77 38.1 22.0 40.8



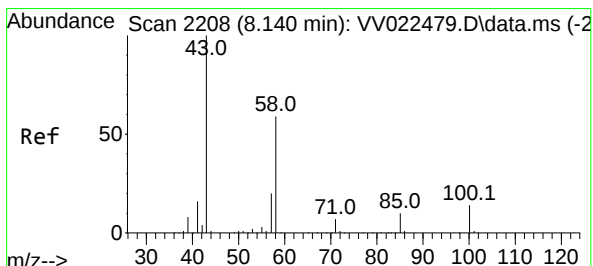
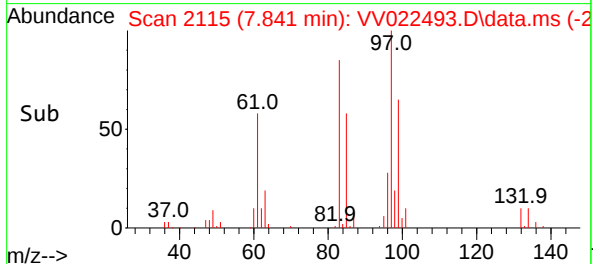
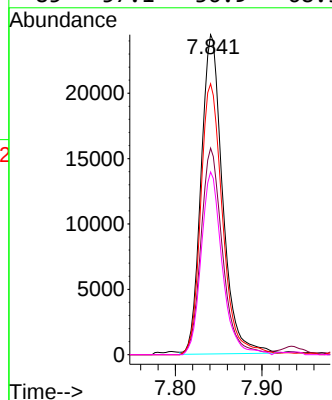
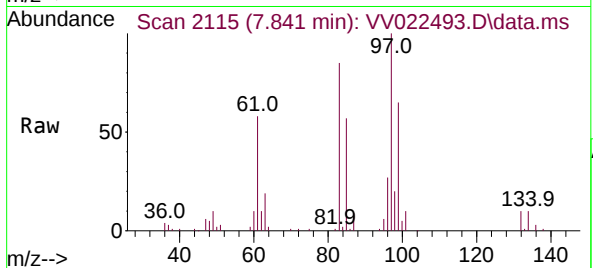


#45

1,1,2-Trichloroethane
Concen: 20.677 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Instrument :
MSVOA_V
ClientSampled :
C0AH6

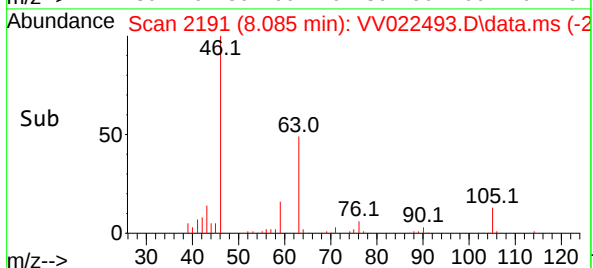
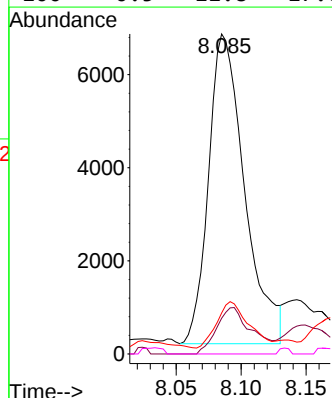
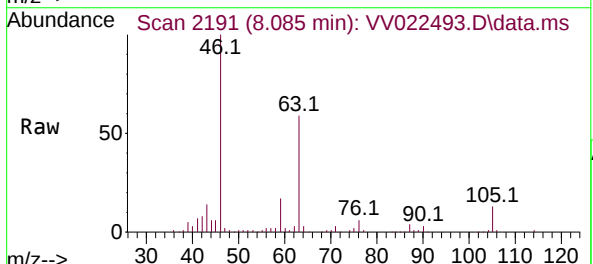
Tgt Ion:	97	Resp:	42331
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.1	80.1
83	84.6	58.6	108.8
85	57.1	36.9	68.5

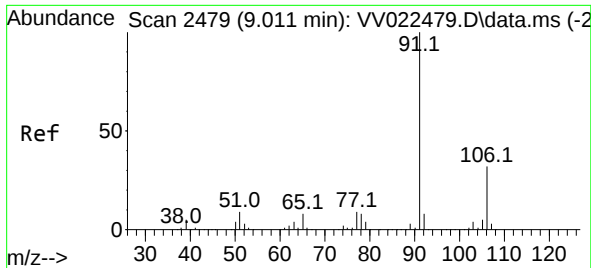


#48

2-Hexanone
Concen: 6.040 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.055 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion:	43	Resp:	12837
Ion	Ratio	Lower	Upper
43	100		
58	14.5	47.0	70.4#
57	13.3	15.8	23.6#
100	0.5	11.8	17.6#

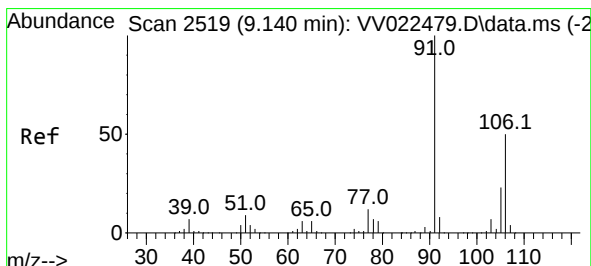
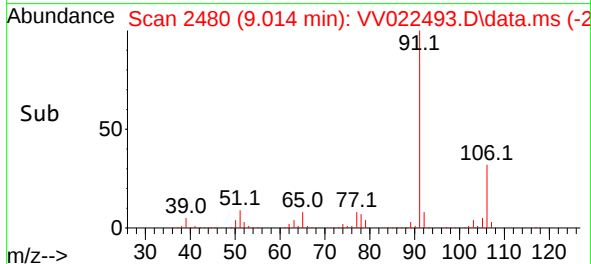
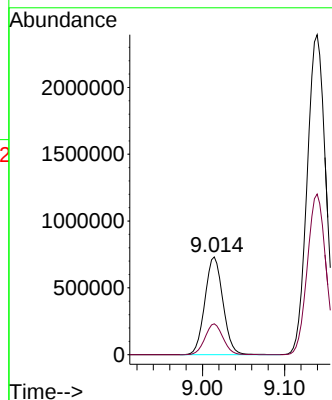
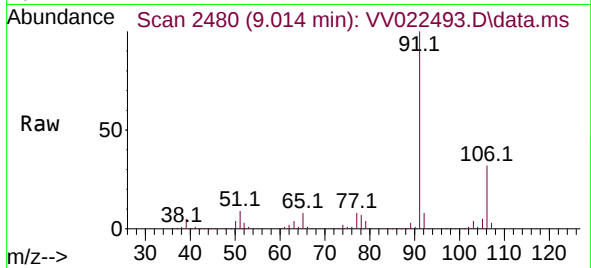




#52
Ethylbenzene
Concen: 132.168 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

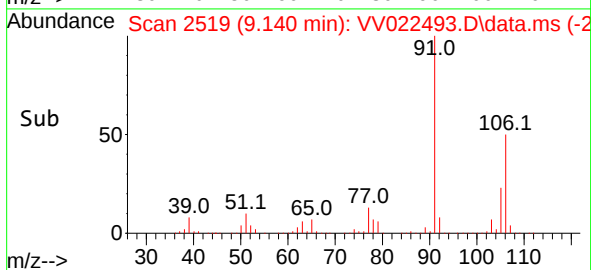
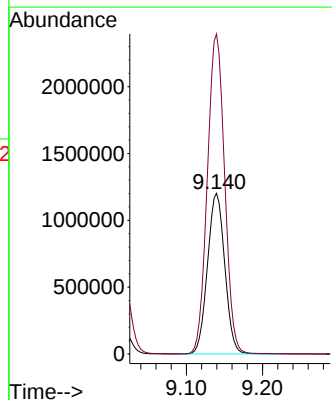
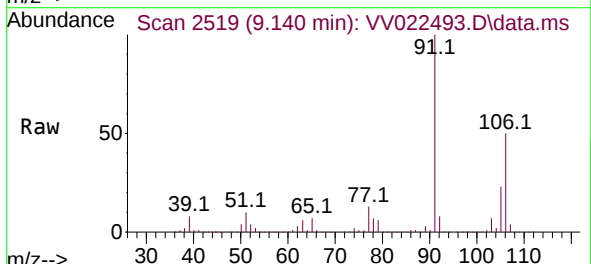
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

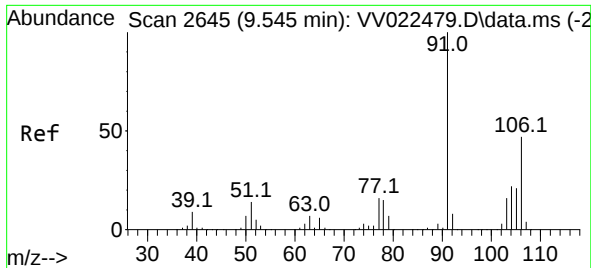
Tgt Ion: 91 Resp: 1119277
Ion Ratio Lower Upper
91 100
106 31.6 22.0 41.0



#53
m,p-Xylene
Concen: 565.011 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion:106 Resp: 1895740
Ion Ratio Lower Upper
106 100
91 199.3 139.4 258.8

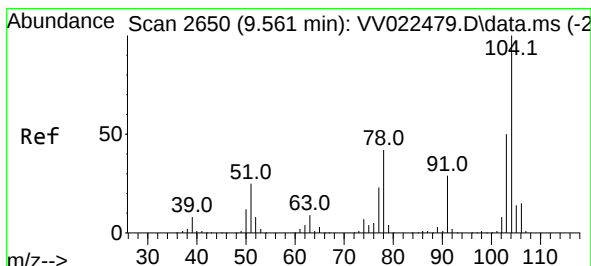
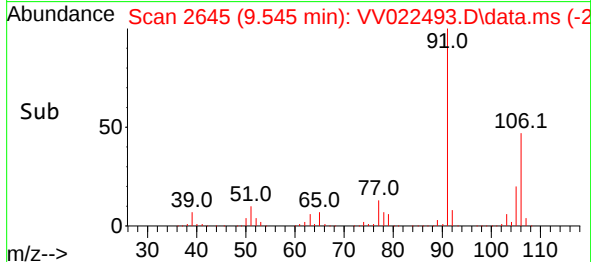
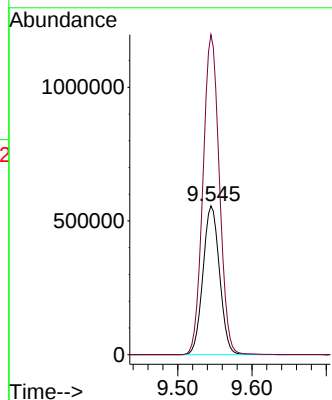
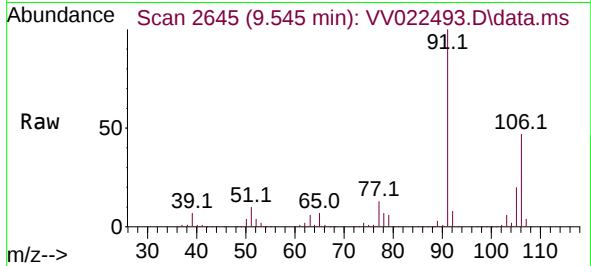




#54
o-Xylene
Concen: 264.703 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

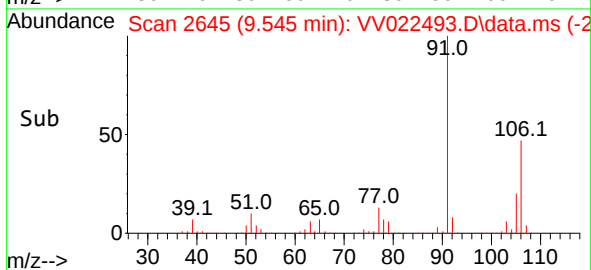
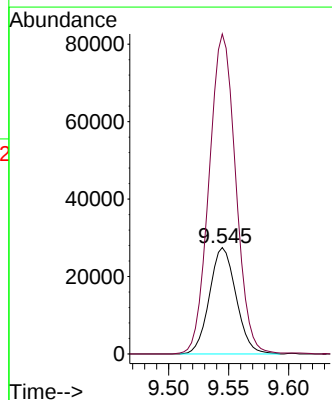
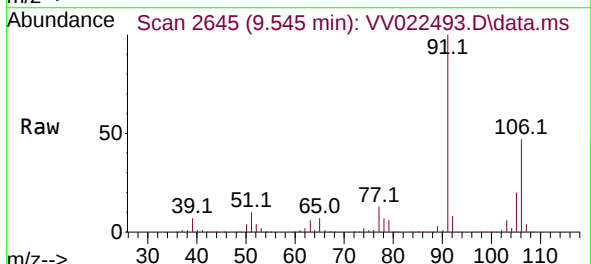
Instrument :
MSVOA_V
ClientSampled :
C0AH6

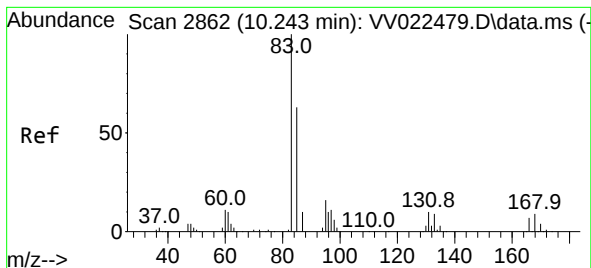
Tgt Ion:106 Resp: 865291
Ion Ratio Lower Upper
106 100
91 214.9 148.7 276.1



#55
Styrene
Concen: 7.552 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.016 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion:104 Resp: 42367
Ion Ratio Lower Upper
104 100
78 300.5 30.6 56.8#



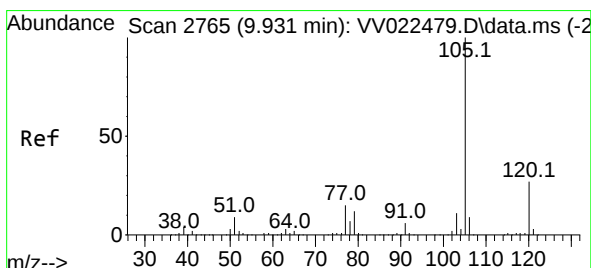
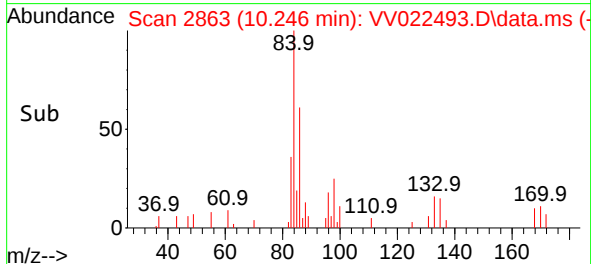
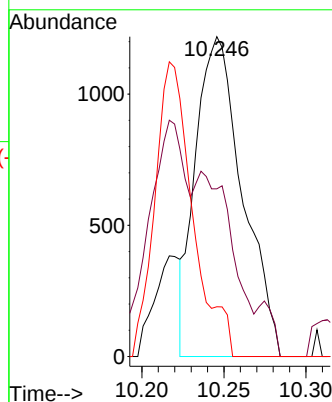
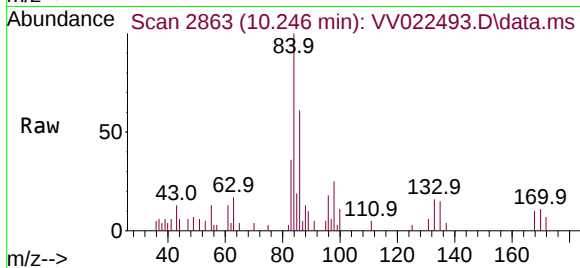


#57

1,1,2,2-Tetrachloroethane
Concen: 0.767 ug/L
RT: 10.246 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Instrument :
MSVOA_V
ClientSampleId :
C0AH6

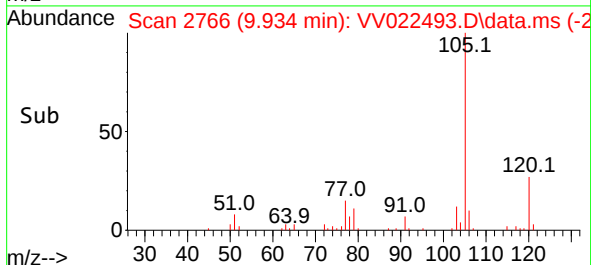
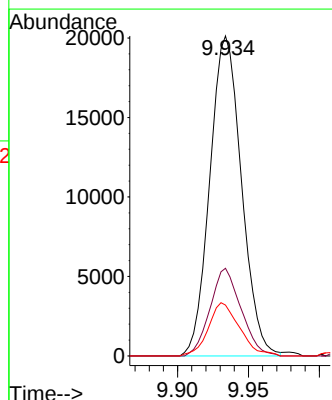
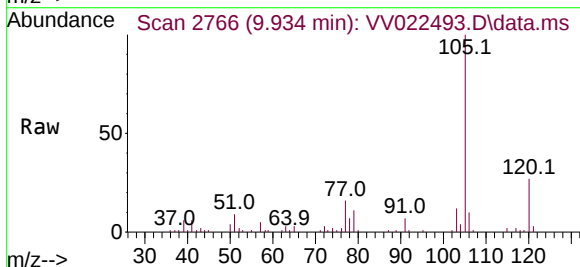
Tgt Ion: 83 Resp: 2426
Ion Ratio Lower Upper
83 100
85 52.4 45.2 84.0
131 15.6 8.2 12.4#

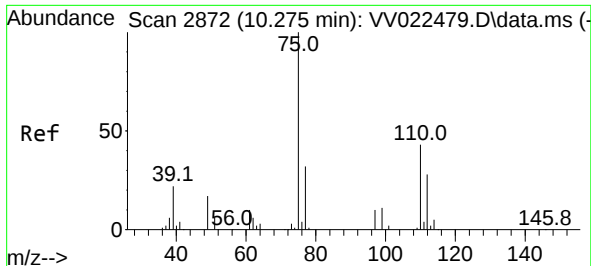


#60

Isopropylbenzene
Concen: 3.845 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 105 Resp: 31289
Ion Ratio Lower Upper
105 100
120 26.8 21.6 32.4
77 16.4 12.0 18.0

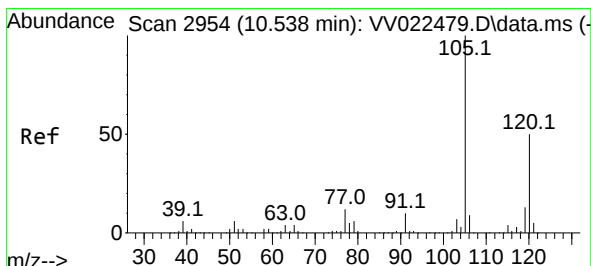
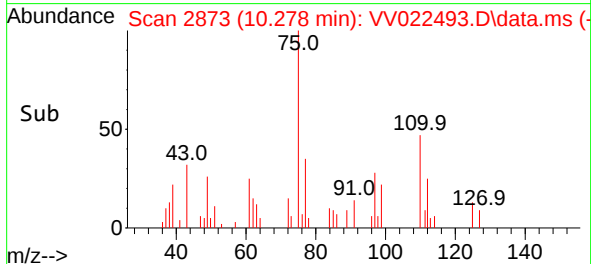
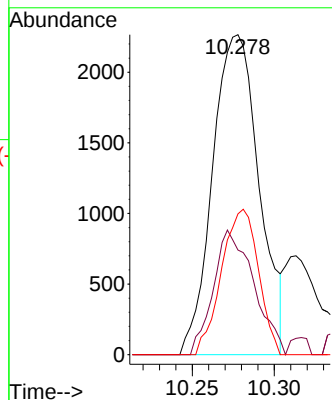
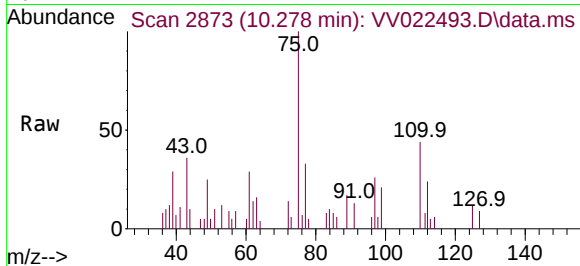




#61
1,2,3-Trichloropropane
Concen: 1.838 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

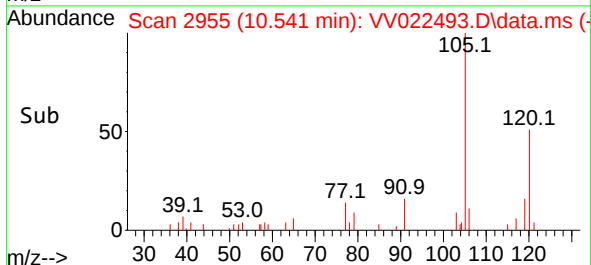
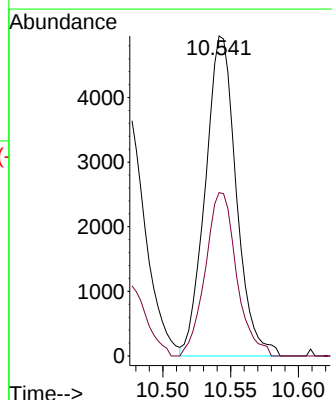
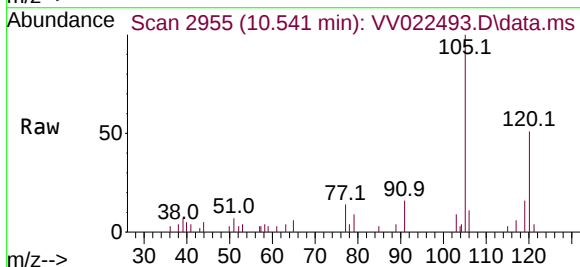
Instrument :
MSVOA_V
ClientSampleId :
C0AH6

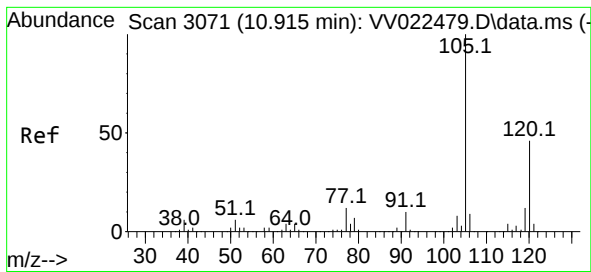
Tgt Ion: 75	Resp: 4471
Ion Ratio	Lower Upper
75	100
77	33.8 26.0 39.0
110	36.0 34.3 51.5



#62
1,3,5-Trimethylbenzene
Concen: 1.148 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV022493.D
Acq: 02 Oct 2021 03:39

Tgt Ion: 105	Resp: 7863
Ion Ratio	Lower Upper
105	100
120	51.4 39.7 59.5





#63
 1,2,4-Trimethylbenzene
 Concen: 2.331 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.003 min
 Lab File: VV022493.D
 Acq: 02 Oct 2021 03:39

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH6

Tgt Ion:105 Resp: 15877
 Ion Ratio Lower Upper
 105 100
 120 49.0 37.4 56.0

