

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060421\
 Data File : VW021515.D
 Acq On : 04 Jun 2021 18:28
 Operator : SY/MD
 Sample : M2596-06ME
 Misc : 5.69g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 05 03:59:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 05 03:34:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	481379	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.860	117	404952	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.259	152	244733	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	90454	28.540	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.080%#
7) Chloroethane-d5	1.561	69	49534	21.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	42.020%#
11) 1,1-Dichloroethene-d2	2.089	63	126572	23.372	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.740%#
21) 2-Butanone-d5	3.892	46	190010	83.607	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.610%
24) Chloroform-d	4.349	84	245199	38.865	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.720%
26) 1,2-Dichloroethane-d4	5.031	65	150551	41.430	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.860%
32) Benzene-d6	5.047	84	477124	42.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.240%
36) 1,2-Dichloropropane-d6	6.072	67	161660	46.209	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.420%
41) Toluene-d8	7.320	98	444729	41.205	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.420%
43) trans-1,3-Dichloroprop...	7.625	79	87633	46.807	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
47) 2-Hexanone-d5	8.092	63	63050	39.249	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	39.250%#
56) 1,1,2,2-Tetrachloroeth...	10.230	84	337804	69.560	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	139.120%#
66) 1,2-Dichlorobenzene-d4	11.632	152	191142	37.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.140%#
Target Compounds						
					Qvalue	
25) Chloroform	4.397	83	10711	1.812	ug/L #	74
29) Cyclohexane	4.667	56	85855	18.198	ug/L #	67
34) Trichloroethene	5.944	95	4823	1.531	ug/L #	14
35) Methylcyclohexane	6.130	83	659710	130.443	ug/L	88
37) 1,2-Dichloropropane	6.201	63	2961	1.002	ug/L #	1
38) Bromodichloromethane	6.458	83	40661	9.805	ug/L #	1
40) 4-Methyl-2-pentanone	7.265	43	905283	225.925	ug/L #	70
42) Toluene	7.394	91	15010	1.167	ug/L	86
45) 1,1,2-Trichloroethane	7.793	97	1208613	402.954	ug/L #	21
48) 2-Hexanone	8.085	43	1487576	484.050	ug/L #	16
49) Dibromochloromethane	8.211	129	12548	3.341	ug/L	77
52) Ethylbenzene	9.021	91	71807	5.085	ug/L	92
53) m,p-Xylene	9.146	106	11768	2.169	ug/L #	1
54) o-Xylene	9.551	106	20852	3.892	ug/L	70
57) 1,1,2,2-Tetrachloroethane	10.246	83	276695	59.098	ug/L #	44
60) Isopropylbenzene	9.940	105	2566932	169.266	ug/L	97
62) 1,3,5-Trimethylbenzene	10.548	105	82321	6.305	ug/L	92
63) 1,2,4-Trimethylbenzene	10.921	105	2247395	170.406	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.423	75	92250	77.006	ug/L #	1

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ClientSampleId :

Quant Time: Jun 05 03:59:49 2021
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Quant Title : VOC Analysis
QLast Update : Sat Jun 05 03:34:55 2021
Response via : Initial Calibration

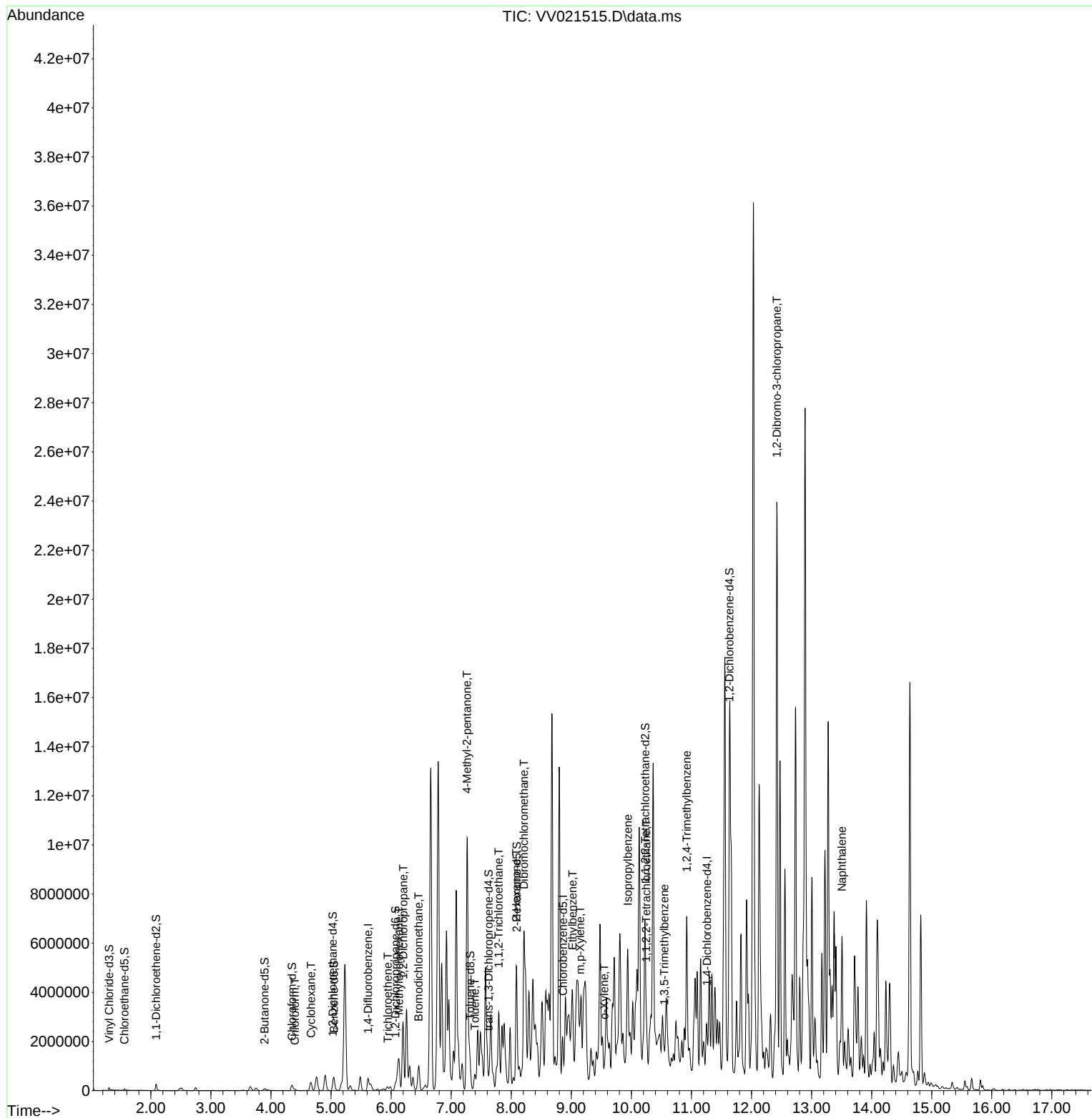
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.506	128	4123749	258.969	ug/L	# 97

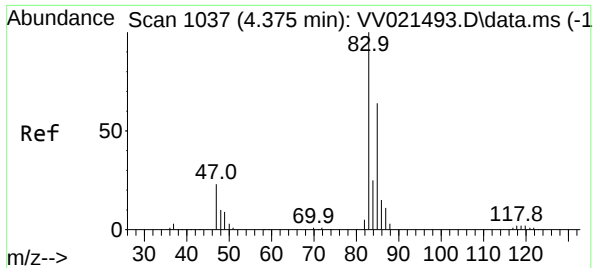
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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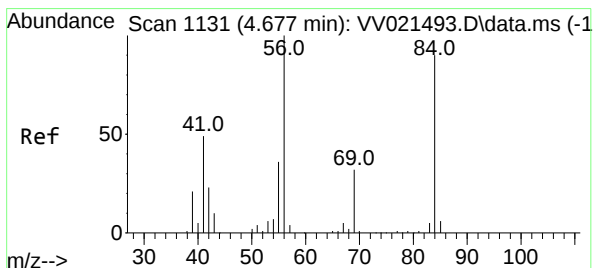
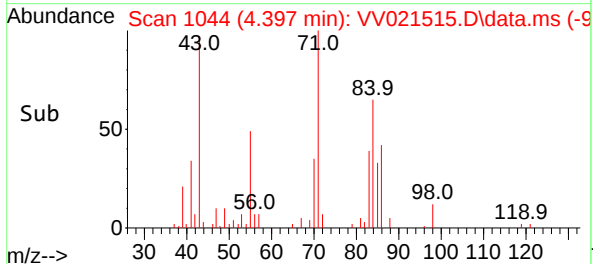
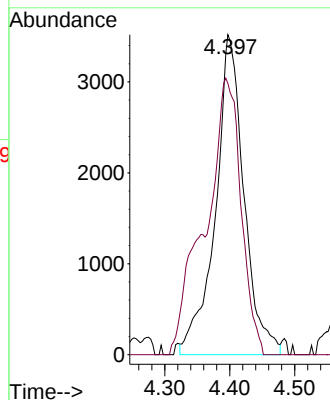
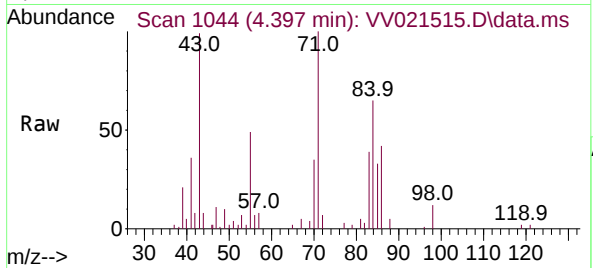




#25
Chloroform
Concen: 1.812 ug/L
RT: 4.397 min Scan# 1044
Delta R.T. 0.023 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

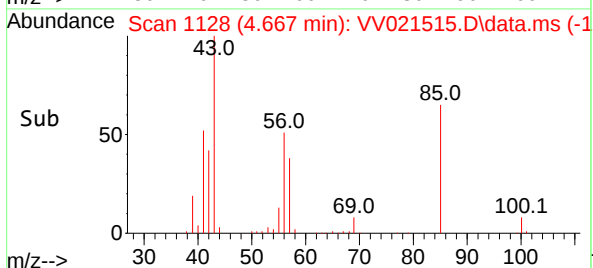
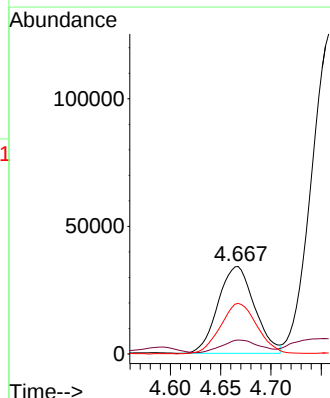
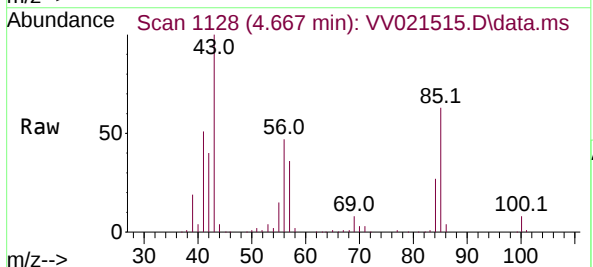
Instrument :
MSVOA_V
ClientSampled :

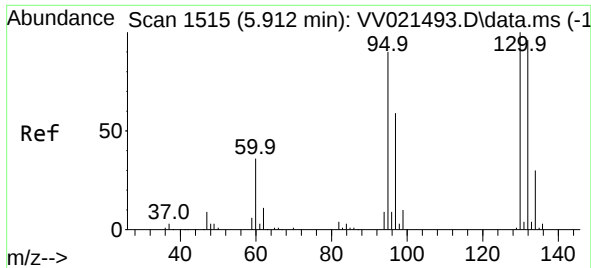
Tgt Ion: 83 Resp: 10711
Ion Ratio Lower Upper
83 100
85 84.8 45.1 83.7#



#29
Cyclohexane
Concen: 18.198 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.010 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion: 56 Resp: 85855
Ion Ratio Lower Upper
56 100
69 14.5 24.9 37.3#
84 59.1 73.7 110.5#



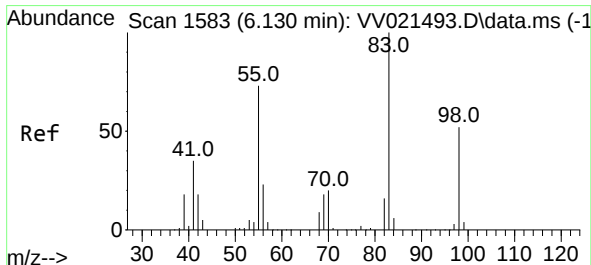
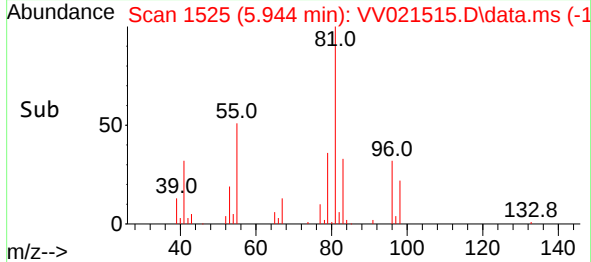
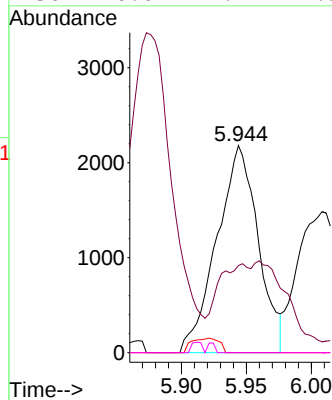
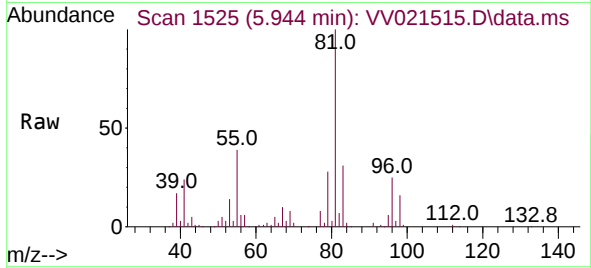


#34
Trichloroethene
Concen: 1.531 ug/L
RT: 5.944 min Scan# 1525
Delta R.T. 0.032 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 4823

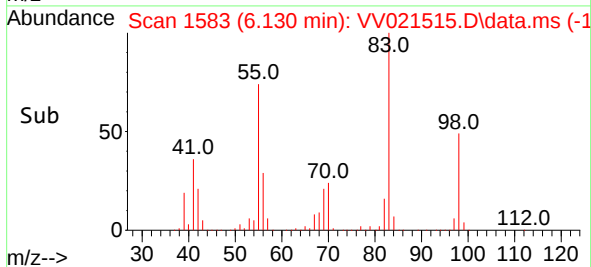
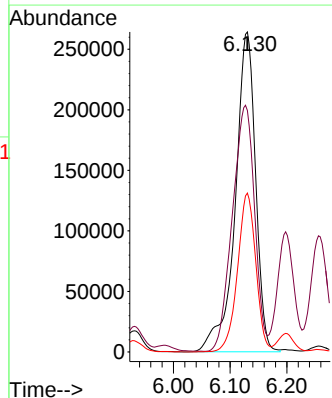
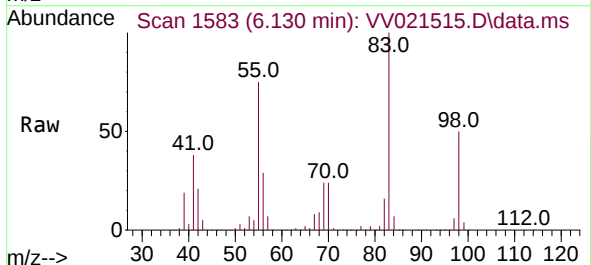
Ion	Ratio	Lower	Upper
95	100		
97	42.1	44.3	82.3#
132	0.0	73.2	136.0#
130	0.0	77.7	144.3#

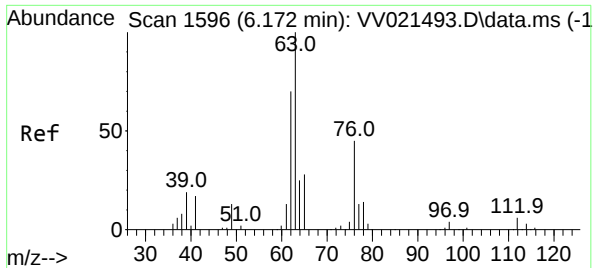


#35
Methylcyclohexane
Concen: 130.443 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.000 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion: 83 Resp: 659710

Ion	Ratio	Lower	Upper
83	100		
55	83.9	58.0	87.0
98	44.6	40.8	61.2

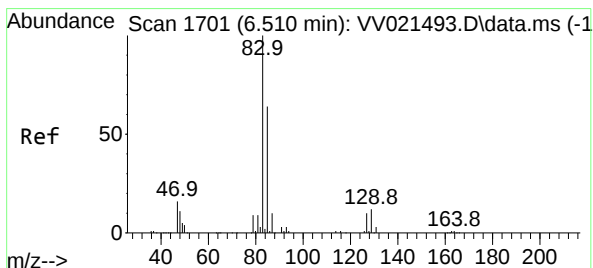
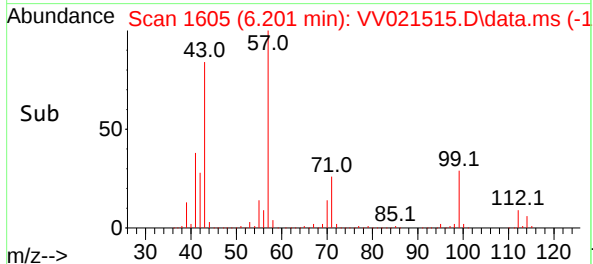
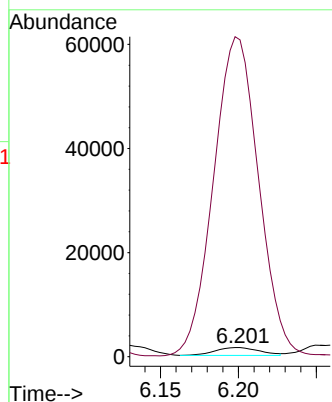
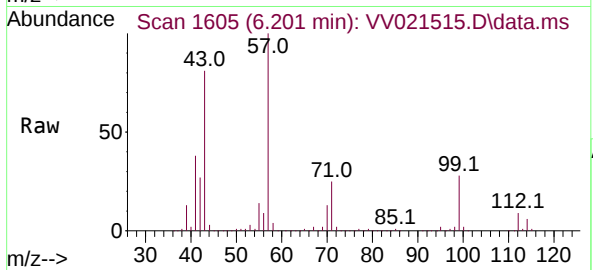




#37
1,2-Dichloropropane
Concen: 1.002 ug/L
RT: 6.201 min Scan# 1605
Delta R.T. 0.029 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

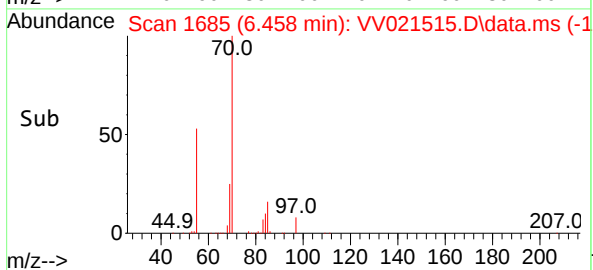
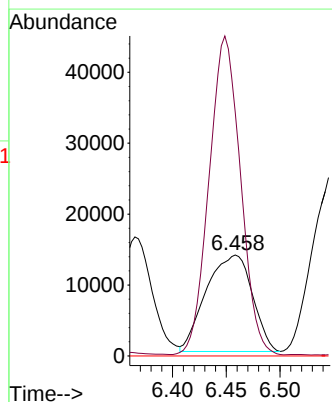
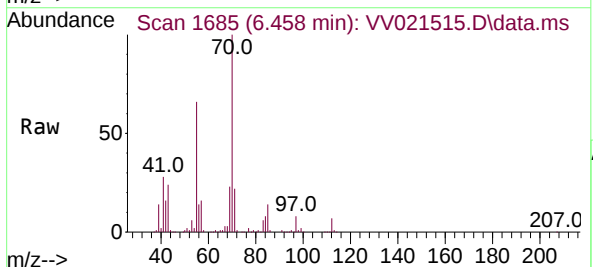
Instrument :
MSVOA_V
ClientSampled :

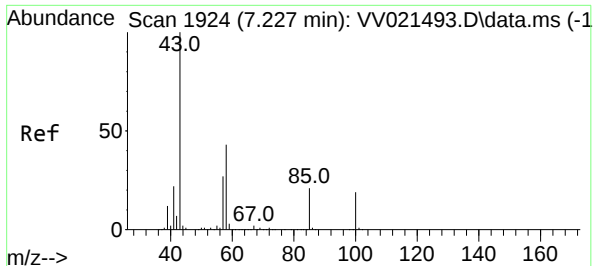
Tgt Ion: 63 Resp: 2961
Ion Ratio Lower Upper
63 100
112 4167.8 4.0 6.0#



#38
Bromodichloromethane
Concen: 9.805 ug/L
RT: 6.458 min Scan# 1685
Delta R.T. -0.051 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion: 83 Resp: 40661
Ion Ratio Lower Upper
83 100
85 241.3 44.6 82.8#
127 0.0 7.6 11.4#





#40

4-Methyl-2-pentanone

Concen: 225.925 ug/L

RT: 7.265 min Scan# 1936

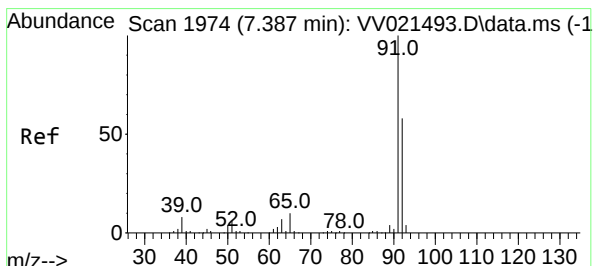
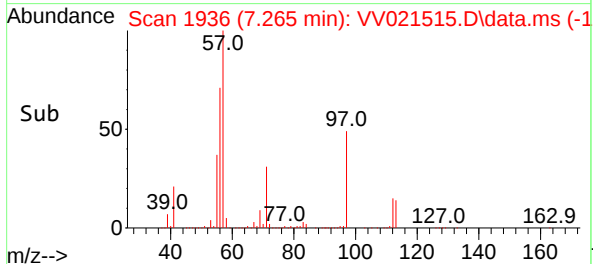
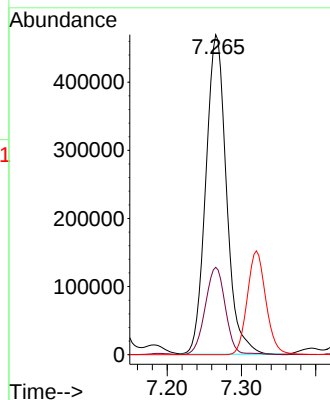
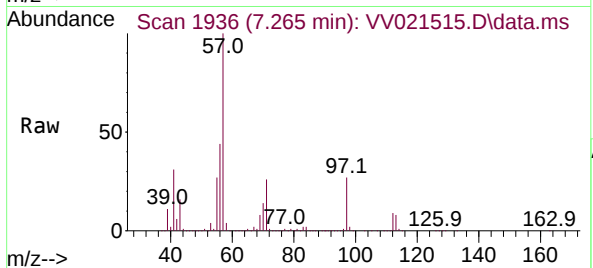
Delta R.T. 0.039 min

Lab File: VV021515.D

Acq: 04 Jun 2021 18:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	43	Resp:	905283
Ion	Ratio	Lower	Upper
43	100		
58	26.3	33.5	50.3#
100	0.0	14.8	22.2#



#42

Toluene

Concen: 1.167 ug/L

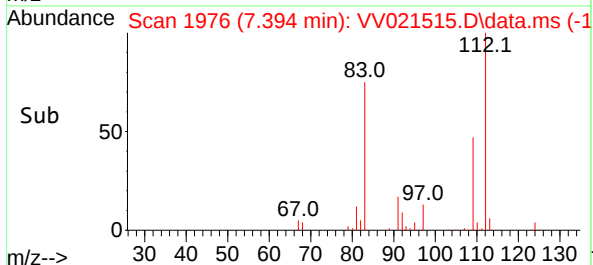
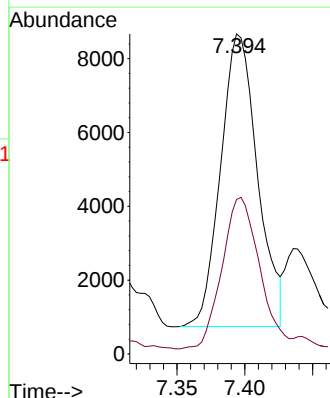
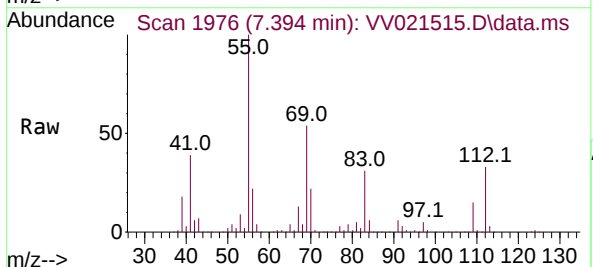
RT: 7.394 min Scan# 1976

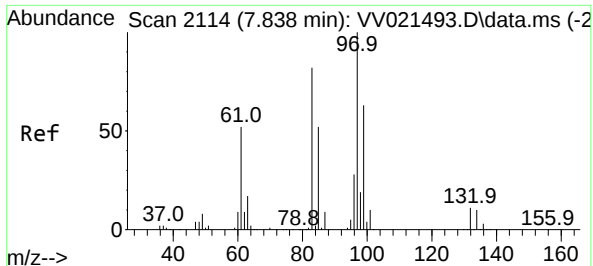
Delta R.T. 0.006 min

Lab File: VV021515.D

Acq: 04 Jun 2021 18:28

Tgt Ion:	91	Resp:	15010
Ion	Ratio	Lower	Upper
91	100		
92	48.2	40.9	75.9

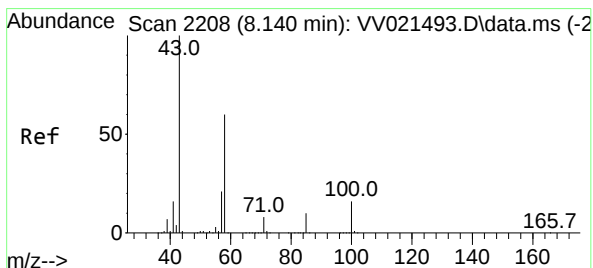
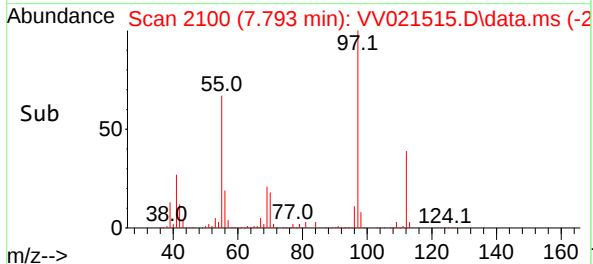
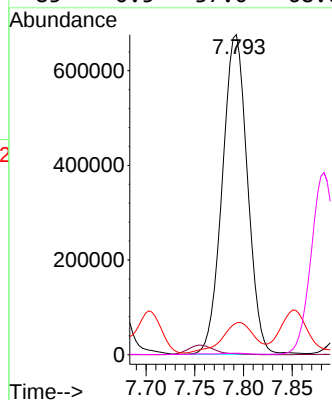
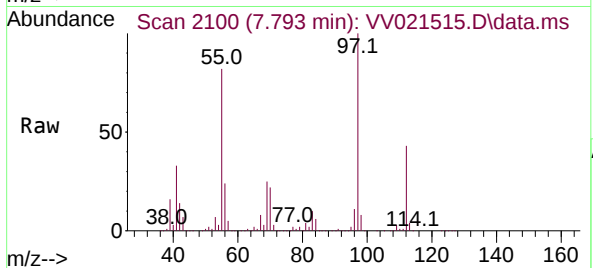




#45
1,1,2-Trichloroethane
Concen: 402.954 ug/L
RT: 7.793 min Scan# 2100
Delta R.T. -0.045 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

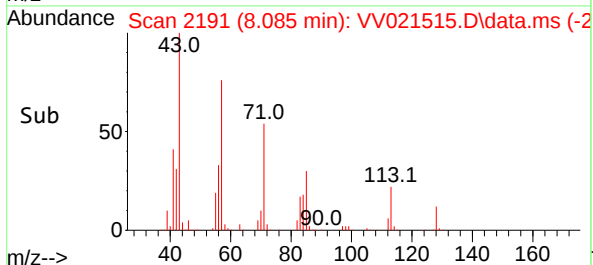
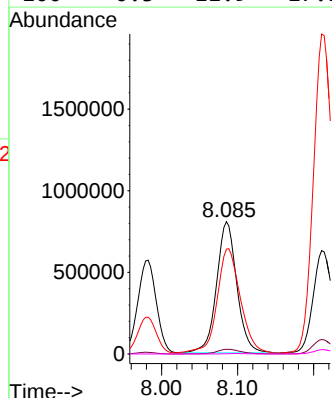
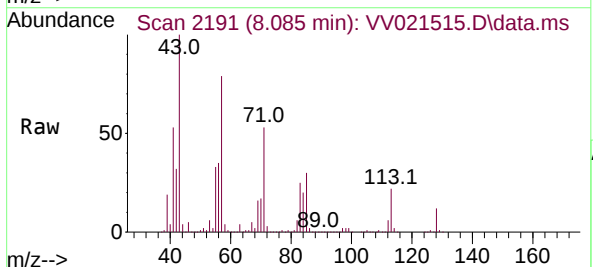
Instrument :
MSVOA_V
ClientSampleId :

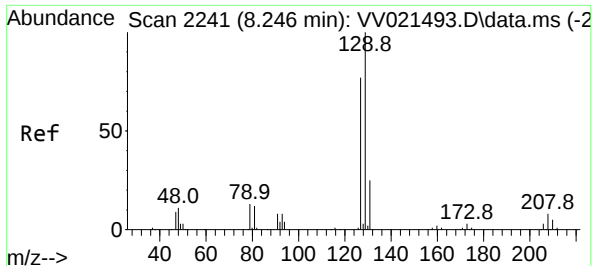
Tgt Ion: 97 Resp: 1208613
Ion Ratio Lower Upper
97 100
99 0.3 43.7 81.1#
83 9.9 57.1 106.1#
85 0.5 37.0 68.6#



#48
2-Hexanone
Concen: 484.050 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.055 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion: 43 Resp: 1487576
Ion Ratio Lower Upper
43 100
58 4.2 47.1 70.7#
57 90.9 16.0 24.0#
100 0.3 11.9 17.9#





#49

Dibromochloromethane

Concen: 3.341 ug/L

RT: 8.211 min Scan# 2230

Delta R.T. -0.035 min

Lab File: VV021515.D

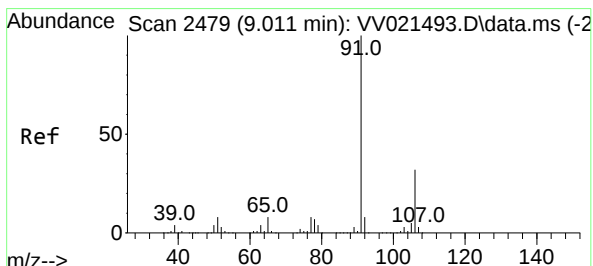
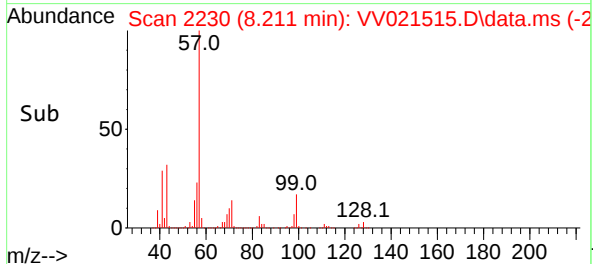
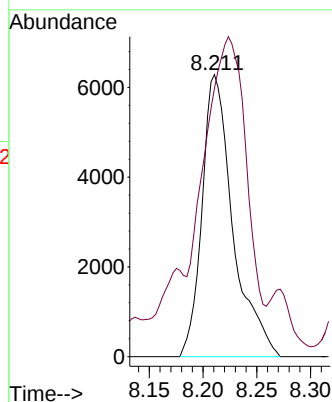
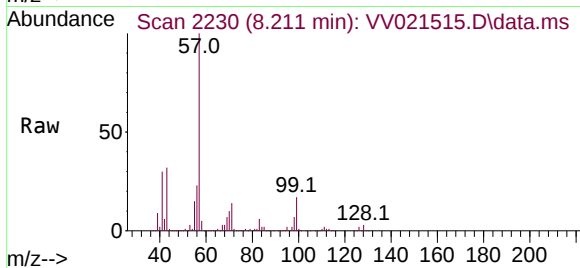
Acq: 04 Jun 2021 18:28

Tgt Ion:129 Resp: 12548

Ion Ratio Lower Upper

129 100

127 95.1 53.0 98.4



#52

Ethylbenzene

Concen: 5.085 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV021515.D

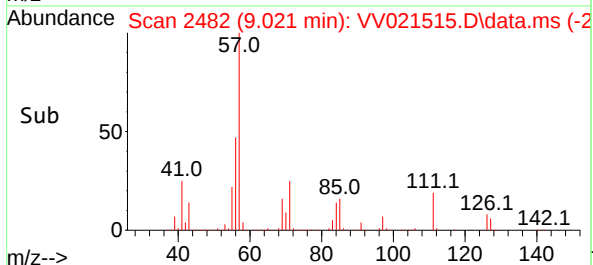
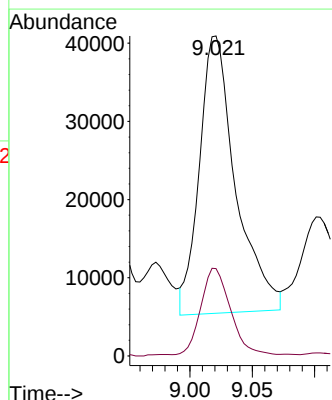
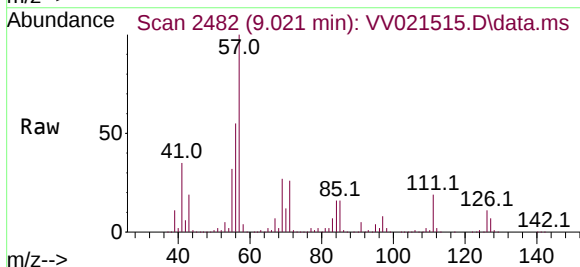
Acq: 04 Jun 2021 18:28

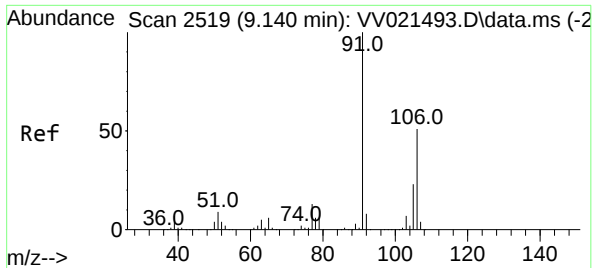
Tgt Ion: 91 Resp: 71807

Ion Ratio Lower Upper

91 100

106 27.3 22.4 41.6

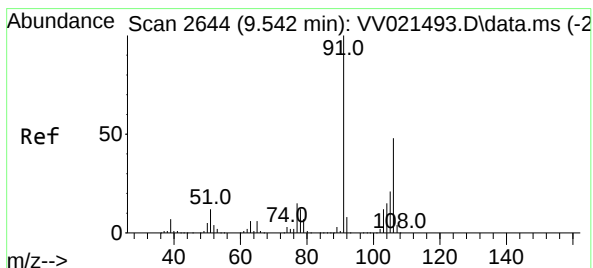
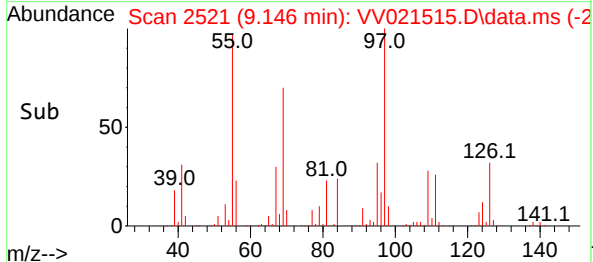
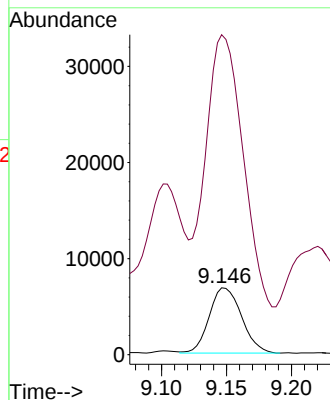
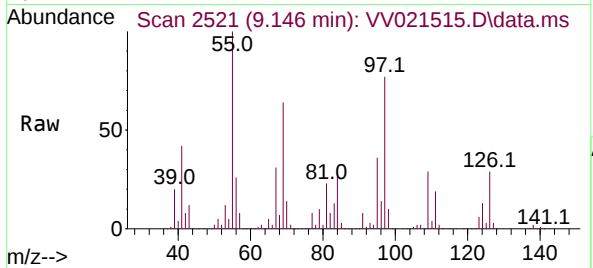




#53
m,p-Xylene
Concen: 2.169 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

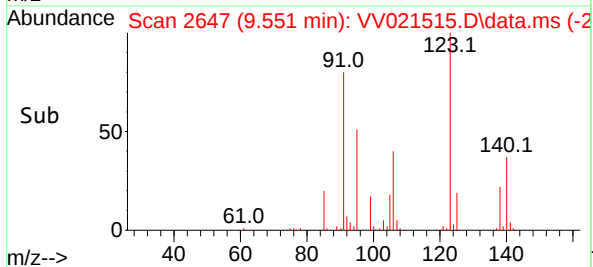
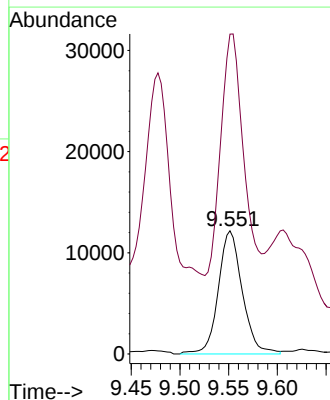
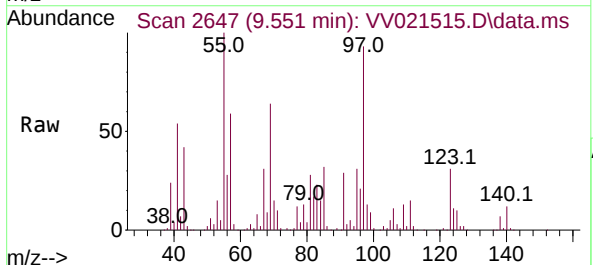
Instrument :
MSVOA_V
ClientSampleId :

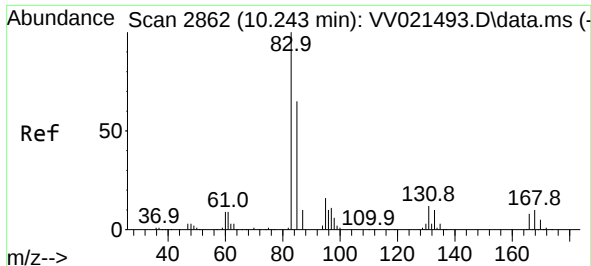
Tgt Ion:106 Resp: 11768
Ion Ratio Lower Upper
106 100
91 478.5 139.4 258.8#



#54
o-Xylene
Concen: 3.892 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.010 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion:106 Resp: 20852
Ion Ratio Lower Upper
106 100
91 259.7 148.5 275.9

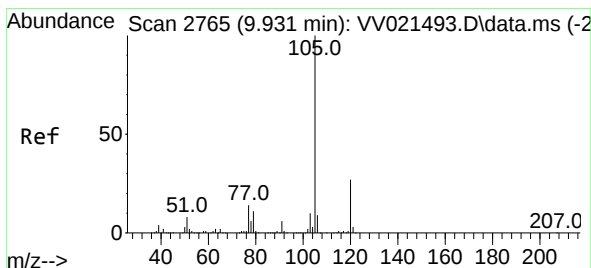
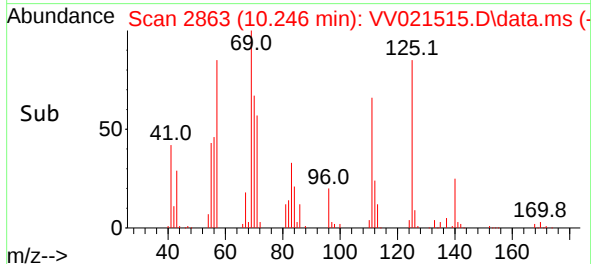
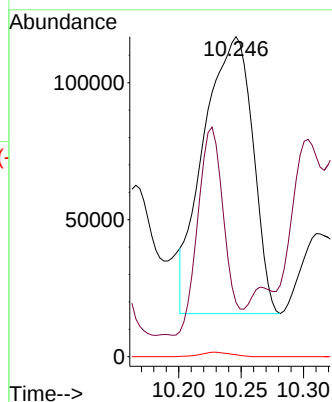
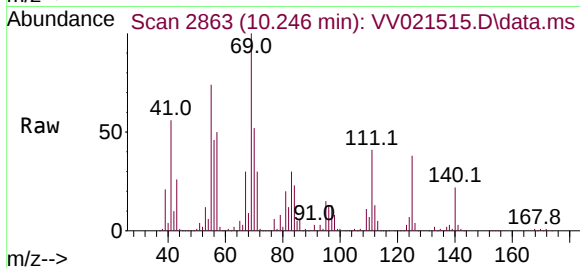




#57
1,1,2,2-Tetrachloroethane
Concen: 59.098 ug/L
RT: 10.246 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

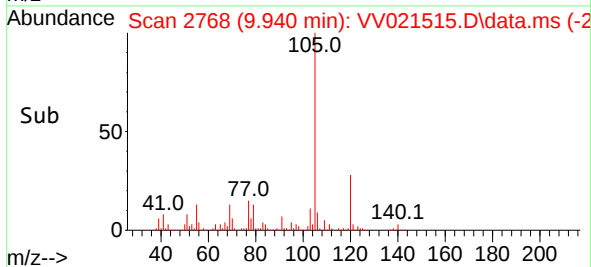
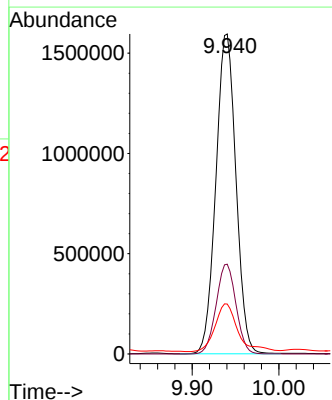
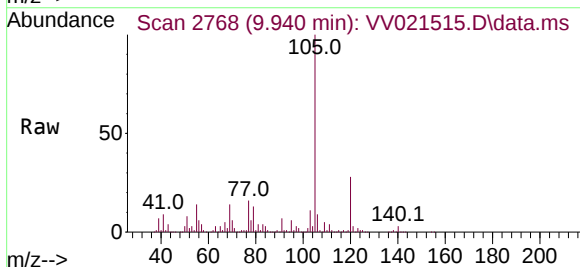
Instrument :
MSVOA_V
ClientSampleId :

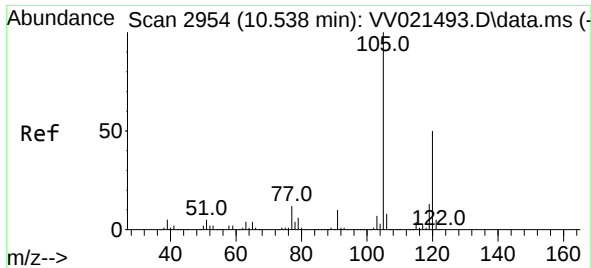
Tgt Ion: 83 Resp: 276695
Ion Ratio Lower Upper
83 100
85 16.9 45.8 85.2#
131 0.6 8.7 13.1#



#60
Isopropylbenzene
Concen: 169.266 ug/L
RT: 9.940 min Scan# 2768
Delta R.T. 0.010 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion: 105 Resp: 2566932
Ion Ratio Lower Upper
105 100
120 27.8 21.7 32.5
77 16.9 11.5 17.3

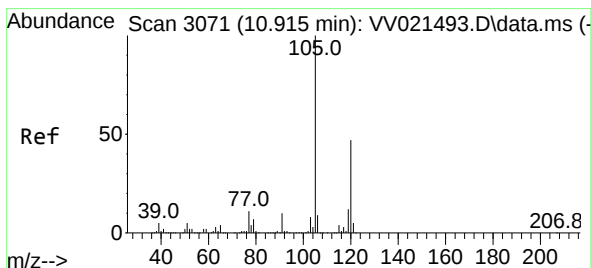
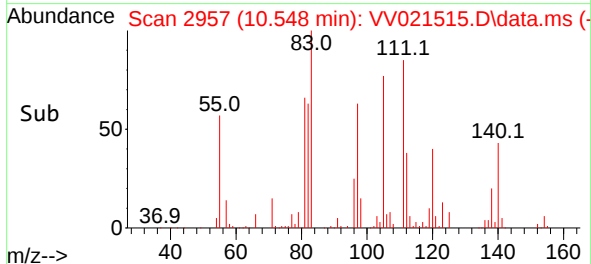
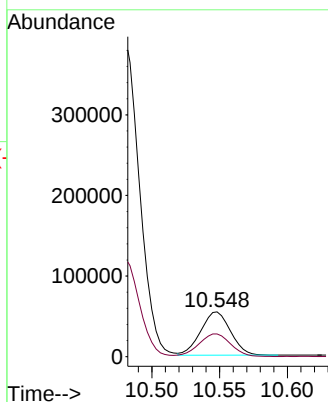
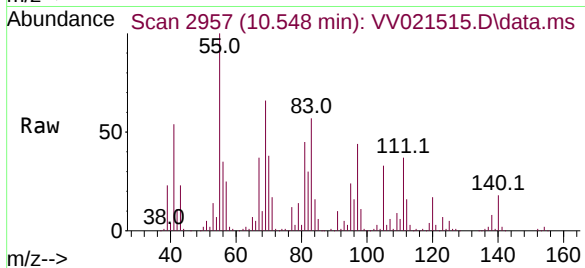




#62
1,3,5-Trimethylbenzene
Concen: 6.305 ug/L
RT: 10.548 min Scan# 2957
Delta R.T. 0.010 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

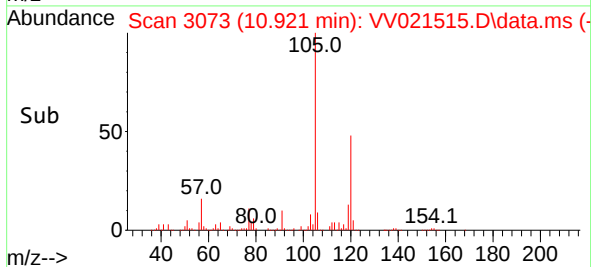
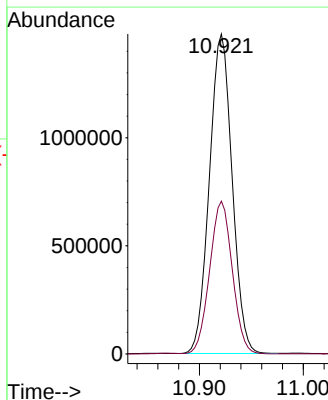
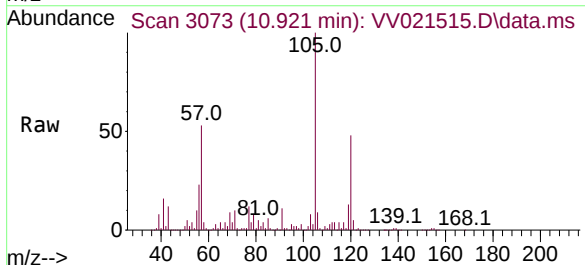
Instrument :
MSVOA_V
ClientSampleId :

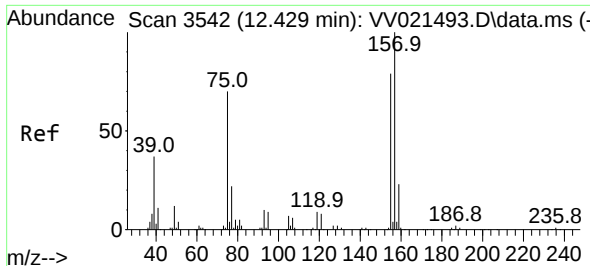
Tgt Ion:105 Resp: 82321
Ion Ratio Lower Upper
105 100
120 55.9 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 170.406 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion:105 Resp: 2247395
Ion Ratio Lower Upper
105 100
120 47.6 37.0 55.4

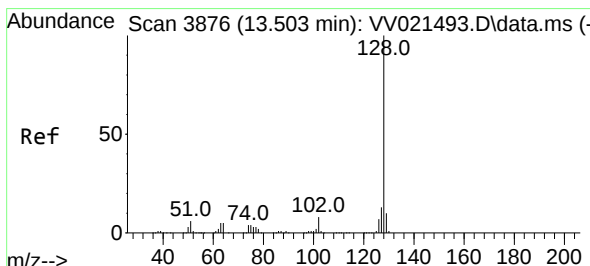
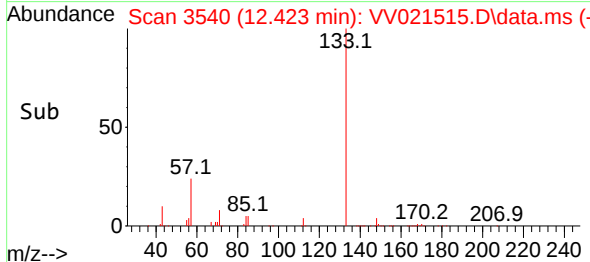
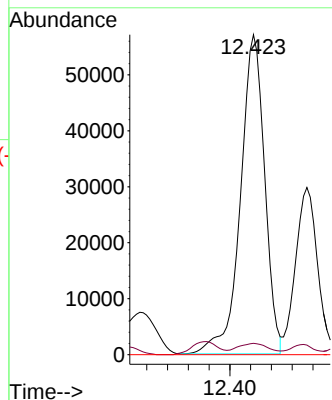
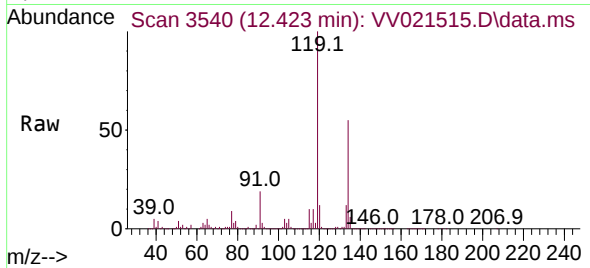




#68
1,2-Dibromo-3-chloropropane
Concen: 77.006 ug/L
RT: 12.423 min Scan# 3540
Delta R.T. -0.006 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 92250
Ion Ratio Lower Upper
75 100
155 3.5 89.7 134.5#
157 0.0 113.2 169.8#



#71
Naphthalene
Concen: 258.969 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV021515.D
Acq: 04 Jun 2021 18:28

Tgt Ion:128 Resp: 4123749
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 12.9 8.6 12.8#

