

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082521\
 Data File : VV021949.D
 Acq On : 25 Aug 2021 15:11
 Operator : SY/MD
 Sample : M3526-08ME
 Misc : 3.70g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 26 05:19:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 26 05:17:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	445732	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	418729	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	234046	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	106322	30.512	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.020%
7) Chloroethane-d5	1.529	69	27673	10.524	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	21.040%#
11) 1,1-Dichloroethene-d2	2.134	63	149	0.027	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.060%#
21) 2-Butanone-d5	3.896	46	141911	65.482	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	65.480%
24) Chloroform-d	4.346	84	223166	36.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.940%
26) 1,2-Dichloroethane-d4	5.031	65	145206	41.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.620%
32) Benzene-d6	5.043	84	485244	40.299	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.069	67	154524	41.209	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.420%
41) Toluene-d8	7.317	98	484282	43.513	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
43) trans-1,3-Dichloroprop...	7.625	79	67260	36.447	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.900%
47) 2-Hexanone-d5	8.104	63	132529	107.837	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.840%
56) 1,1,2,2-Tetrachloroeth...	10.223	84	233880	50.332	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.660%
66) 1,2-Dichlorobenzene-d4	11.628	152	206408	42.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.220%
Target Compounds						
					Qvalue	
16) Methylene chloride	2.490	84	4479	1.222	ug/L #	63
25) Chloroform	4.381	83	14180	2.394	ug/L	86
29) Cyclohexane	4.661	56	206607	40.063	ug/L #	87
33) Benzene	5.101	78	7958	0.618	ug/L	100
34) Trichloroethene	5.940	95	4789	1.293	ug/L #	14
35) Methylcyclohexane	6.124	83	1233742	228.377	ug/L	96
38) Bromodichloromethane	6.458	83	14116	3.283	ug/L #	93
39) cis-1,3-Dichloropropene	6.989	75	4325	0.837	ug/L #	1
40) 4-Methyl-2-pentanone	7.262	43	58314	12.993	ug/L #	46
42) Toluene	7.397	91	18172	1.320	ug/L	98
45) 1,1,2-Trichloroethane	7.786	97	263505	80.620	ug/L #	19
52) Ethylbenzene	9.018	91	61505	4.189	ug/L	99
53) m,p-Xylene	9.143	106	39022	6.858	ug/L	93
54) o-Xylene	9.551	106	5121	0.908	ug/L	63
57) 1,1,2,2-Tetrachloroethane	10.243	83	64825	14.247	ug/L #	38
60) Isopropylbenzene	9.934	105	165991	10.579	ug/L	99
62) 1,3,5-Trimethylbenzene	10.545	105	24298	1.845	ug/L	98
63) 1,2,4-Trimethylbenzene	10.921	105	19305	1.442	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	1275	1.212	ug/L #	19

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Quant Title : VOC Analysis
QLast Update : Thu Aug 26 05:17:05 2021
Response via : Initial Calibration

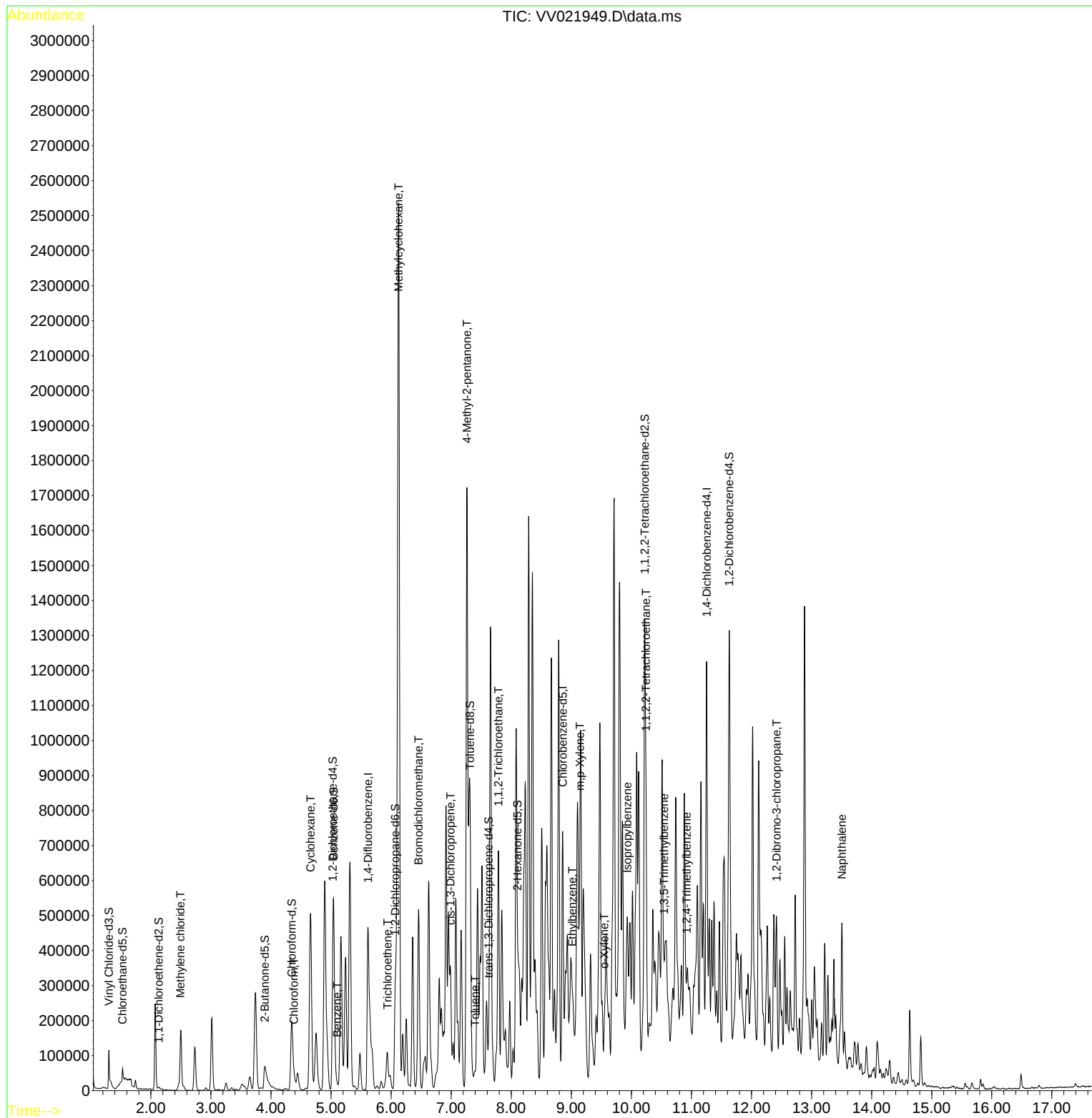
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.506	128	309505	23.065	ug/L	98

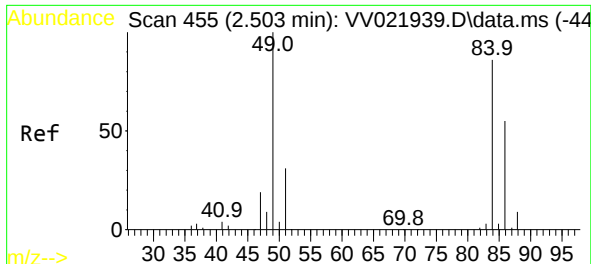
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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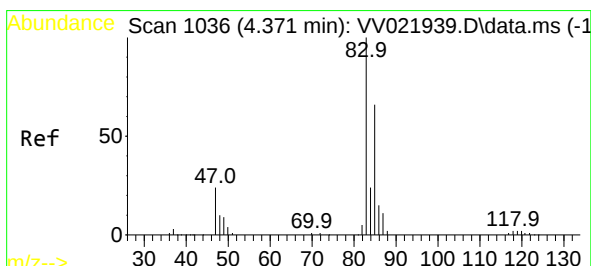
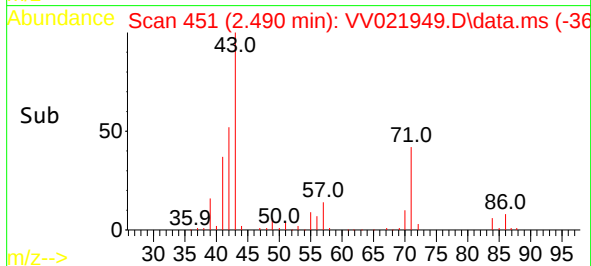
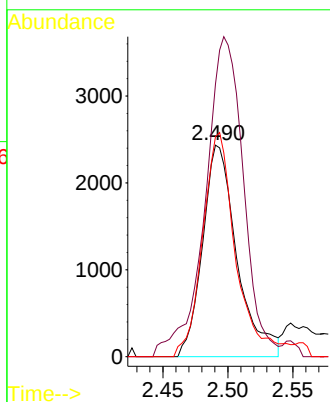
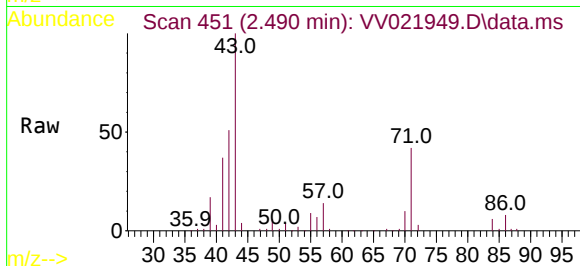




#16
Methylene chloride
Concen: 1.222 ug/L
RT: 2.490 min Scan# 451
Delta R.T. -0.013 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

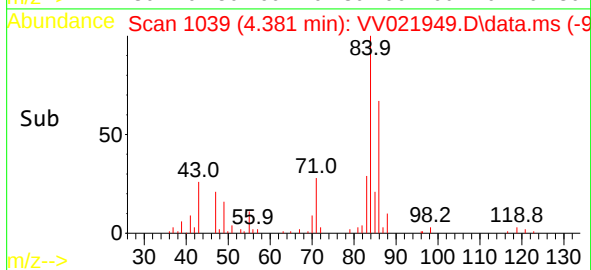
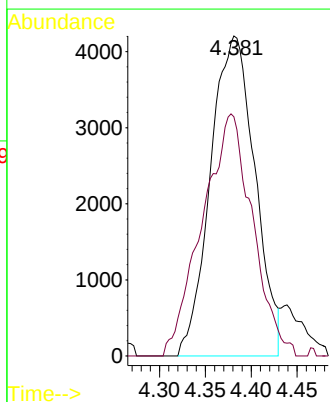
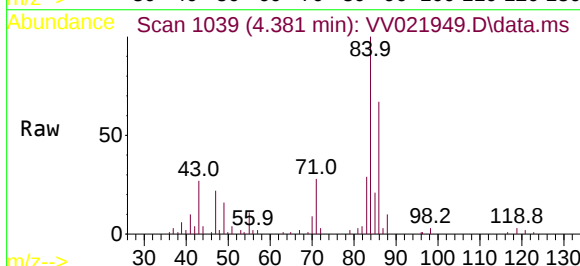
Instrument :
MSVOA_V
ClientSampleId :

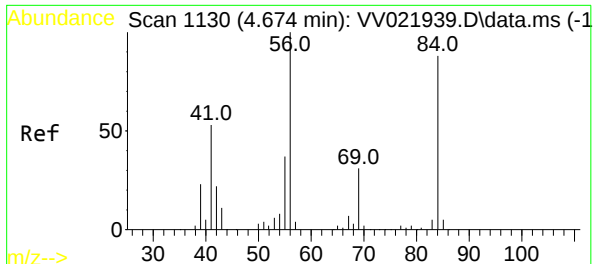
Tgt Ion: 84 Resp: 4479
Ion Ratio Lower Upper
84 100
86 128.9 44.7 83.1#
49 104.0 82.5 153.3



#25
Chloroform
Concen: 2.394 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.010 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion: 83 Resp: 14180
Ion Ratio Lower Upper
83 100
85 74.8 44.8 83.2





#29

Cyclohexane

Concen: 40.063 ug/L

RT: 4.661 min Scan# 1126

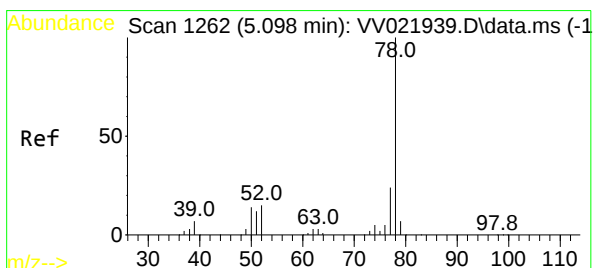
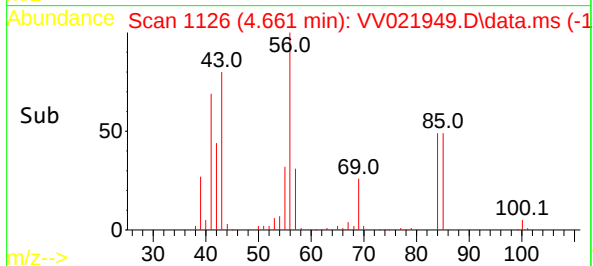
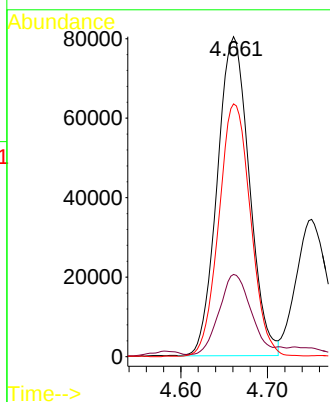
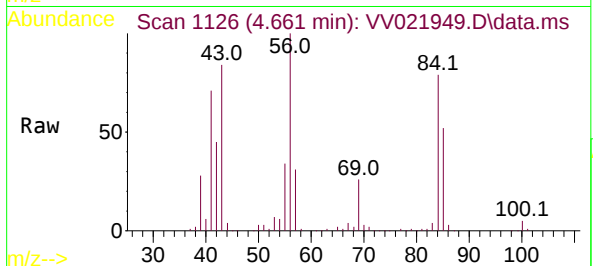
Delta R.T. -0.013 min

Lab File: VV021949.D

Acq: 25 Aug 2021 15:11

Tgt Ion:	56	Resp:	206607
Ion Ratio	Lower	Upper	
56	100		
69	24.5	24.9	37.3#
84	78.6	72.6	109.0

Instrument :
MSVOA_V
ClientSampled :



#33

Benzene

Concen: 0.618 ug/L

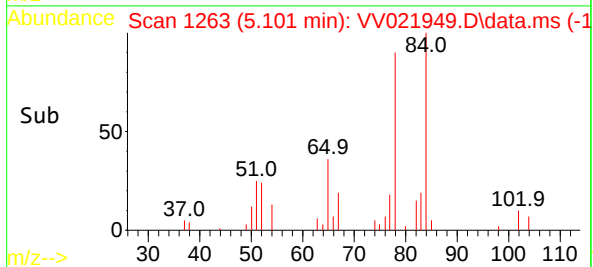
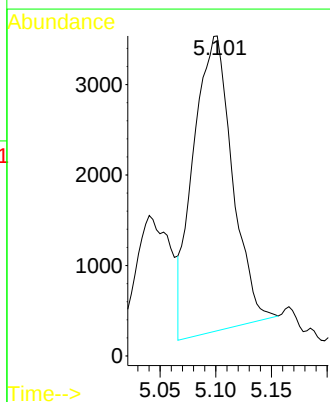
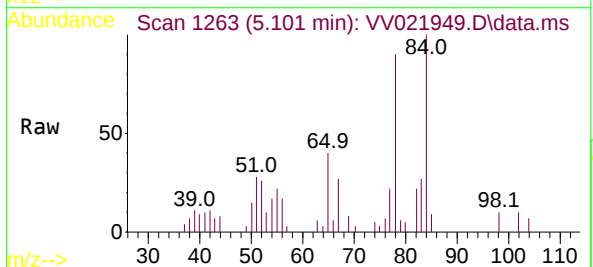
RT: 5.101 min Scan# 1263

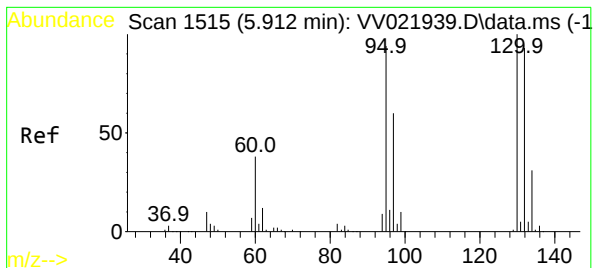
Delta R.T. 0.003 min

Lab File: VV021949.D

Acq: 25 Aug 2021 15:11

Tgt Ion: 78 Resp: 7958

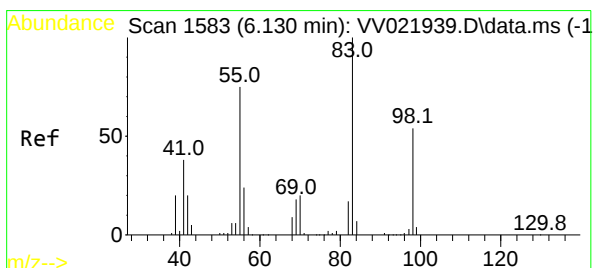
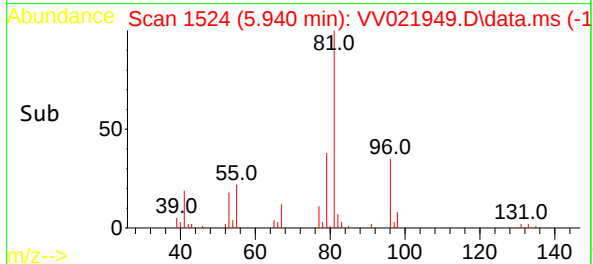
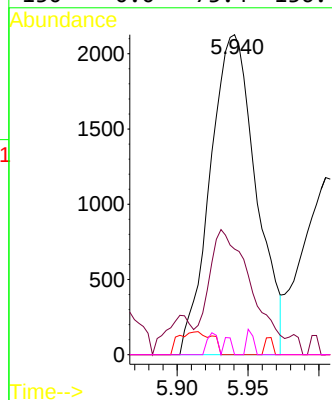
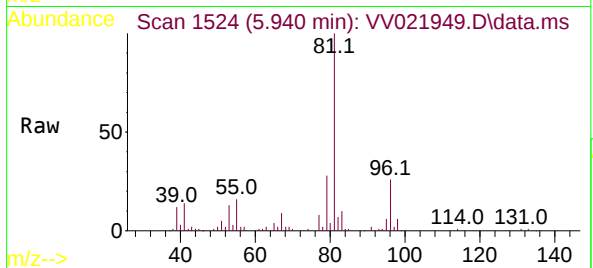




#34
Trichloroethene
Concen: 1.293 ug/L
RT: 5.940 min Scan# 1524
Delta R.T. 0.029 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

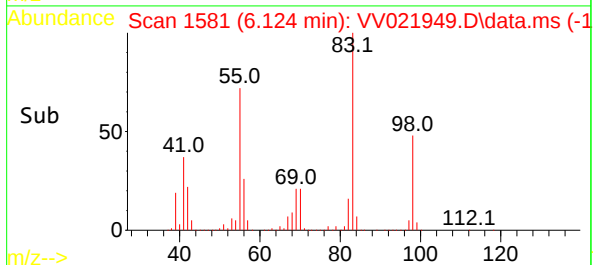
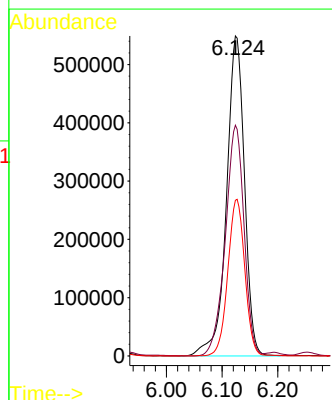
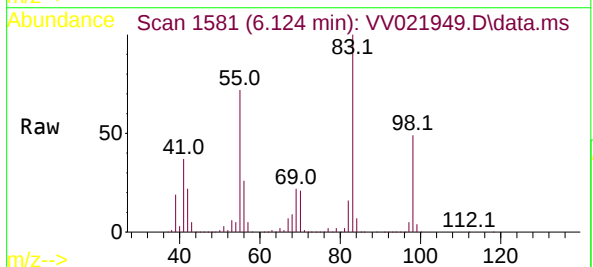
Instrument :
MSVOA_V
ClientSampleId :

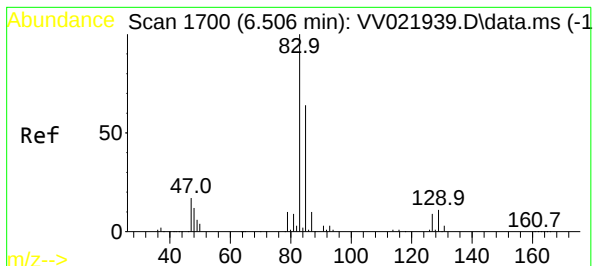
Tgt Ion: 95 Resp: 4789
Ion Ratio Lower Upper
95 100
97 33.0 44.1 81.9#
132 0.0 70.2 130.4#
130 0.0 73.4 136.4#



#35
Methylcyclohexane
Concen: 228.377 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion: 83 Resp: 1233742
Ion Ratio Lower Upper
83 100
55 74.9 57.9 86.9
98 46.0 39.9 59.9





#38

Bromodichloromethane

Concen: 3.283 ug/L

RT: 6.458 min Scan# 1685

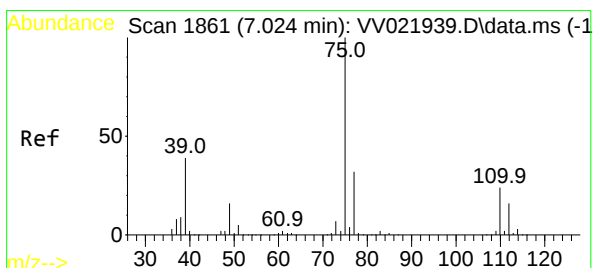
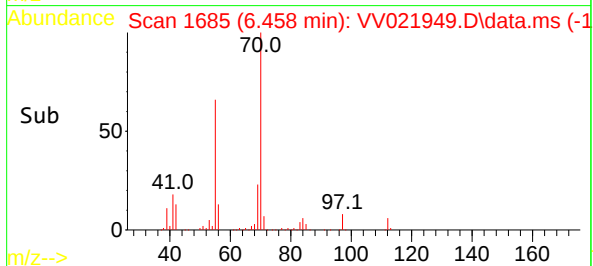
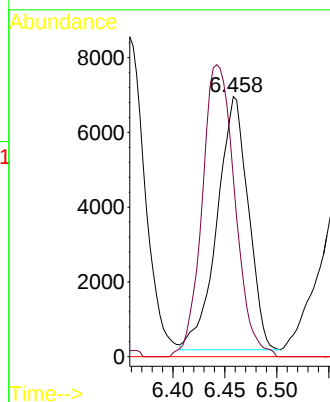
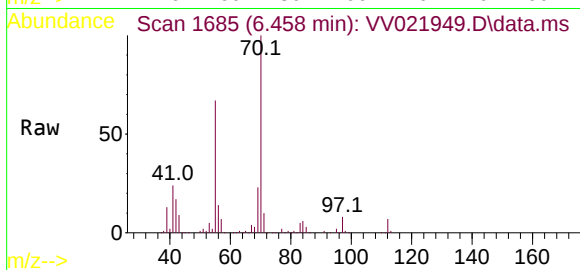
Delta R.T. -0.048 min

Lab File: VV021949.D

Acq: 25 Aug 2021 15:11

Tgt Ion:	83	Resp:	14116
Ion	Ratio	Lower	Upper
83	100		
85	68.8	45.7	84.9
127	0.0	7.4	11.2#

Instrument :
MSVOA_V
ClientSampled :



#39

cis-1,3-Dichloropropene

Concen: 0.837 ug/L

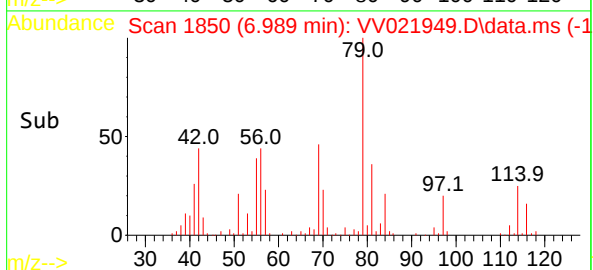
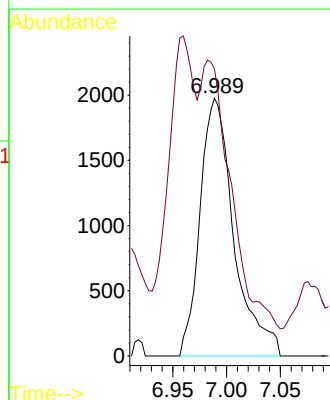
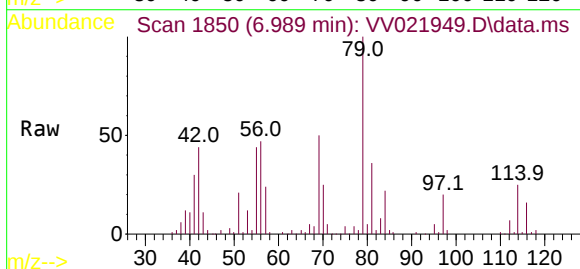
RT: 6.989 min Scan# 1850

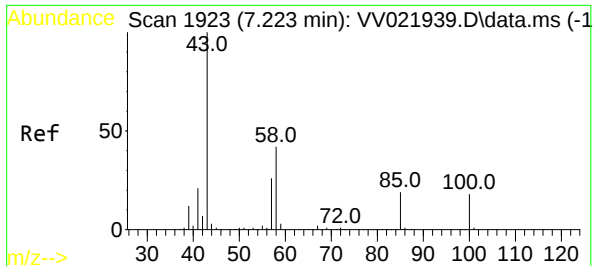
Delta R.T. -0.035 min

Lab File: VV021949.D

Acq: 25 Aug 2021 15:11

Tgt Ion:	75	Resp:	4325
Ion	Ratio	Lower	Upper
75	100		
77	111.4	22.5	41.9#

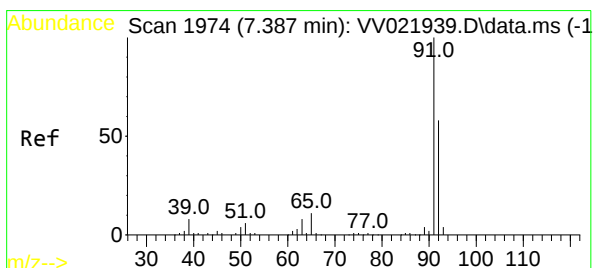
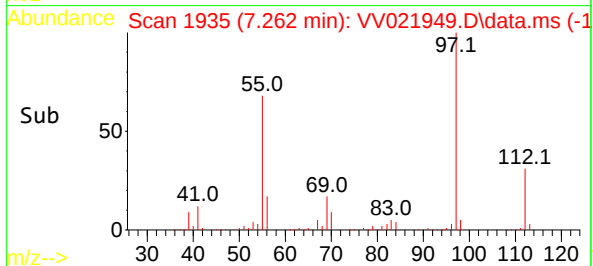
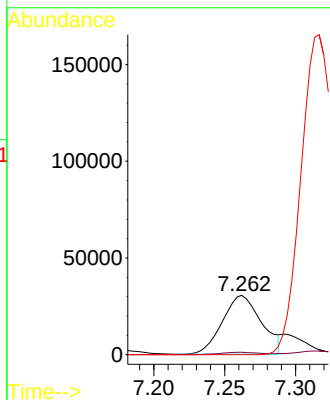
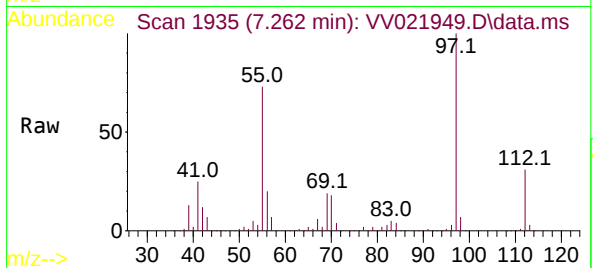




#40
4-Methyl-2-pentanone
Concen: 12.993 ug/L
RT: 7.262 min Scan# 1935
Delta R.T. 0.039 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

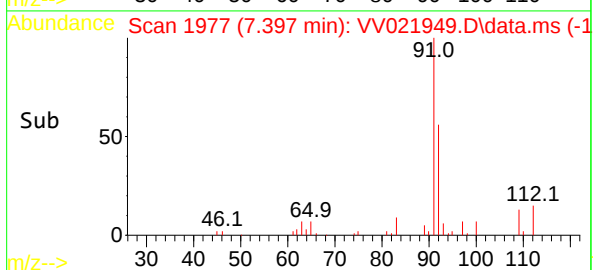
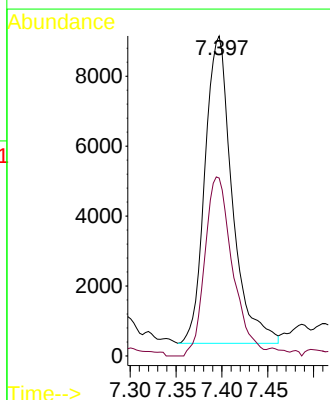
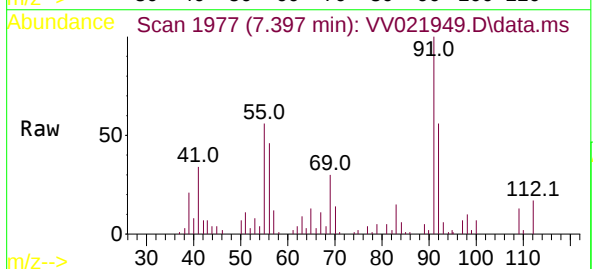
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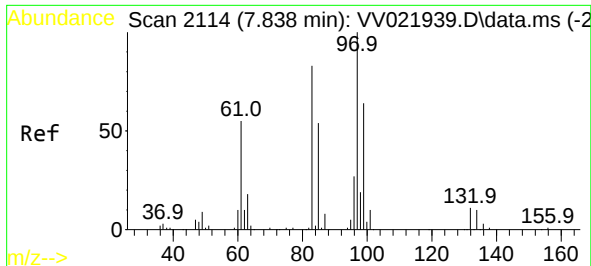
Tgt Ion: 43 Resp: 58314
Ion Ratio Lower Upper
43 100
58 3.9 32.9 49.3#
100 0.0 14.0 21.0#



#42
Toluene
Concen: 1.320 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.010 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion: 91 Resp: 18172
Ion Ratio Lower Upper
91 100
92 55.6 40.1 74.5



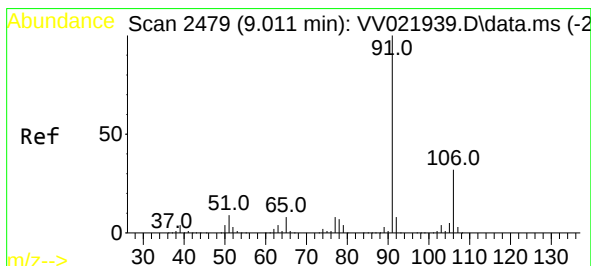
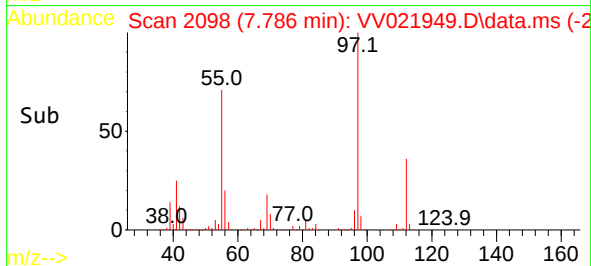
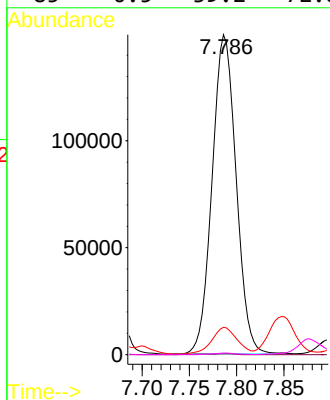
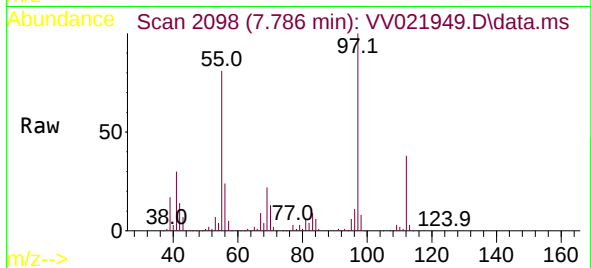


#45

1,1,2-Trichloroethane
Concen: 80.620 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. -0.051 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Instrument :
MSVOA_V
ClientSampleId :

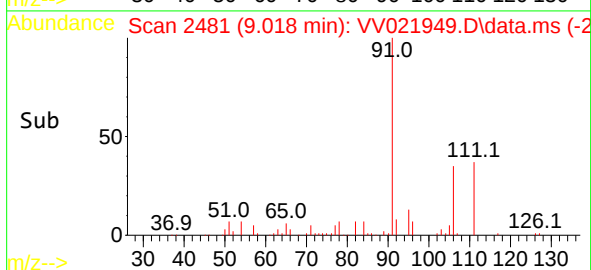
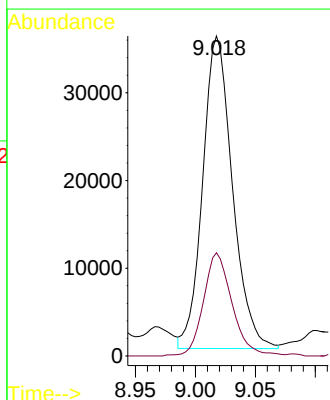
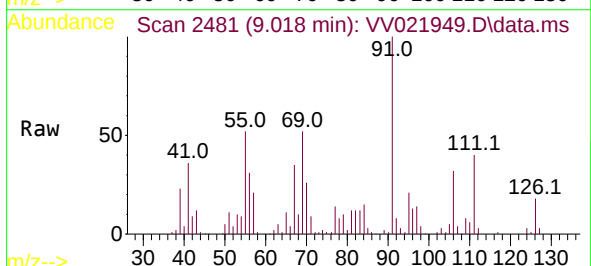
Tgt Ion: 97	Resp: 263505
Ion Ratio	Lower Upper
97 100	
99 0.2	44.2 82.0#
83 8.6	59.2 110.0#
85 0.5	39.2 72.8#

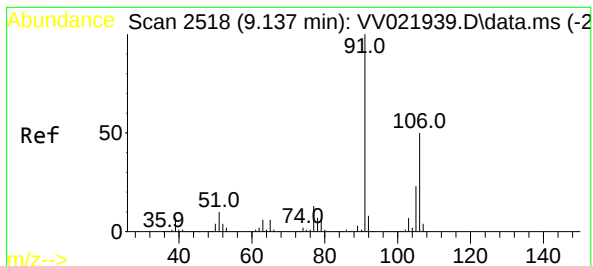


#52

Ethylbenzene
Concen: 4.189 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion: 91	Resp: 61505
Ion Ratio	Lower Upper
91 100	
106 32.3	22.2 41.2

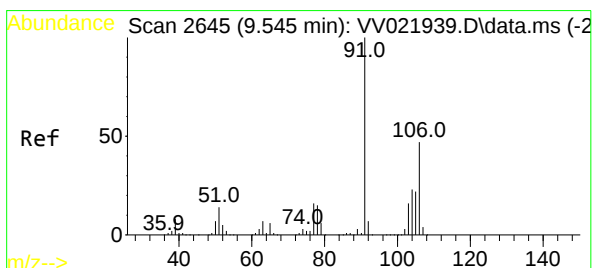
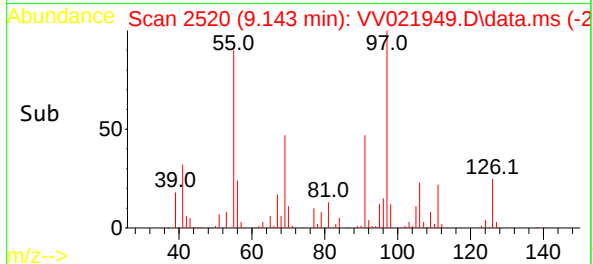
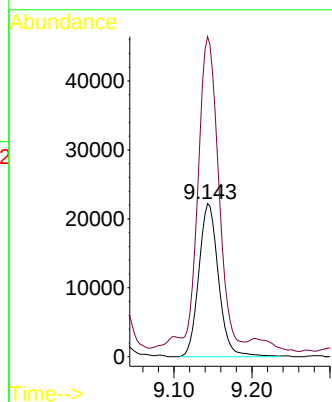
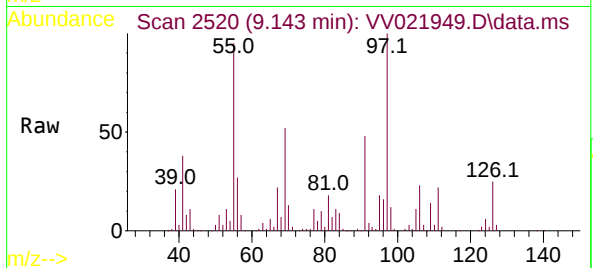




#53
m,p-Xylene
Concen: 6.858 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

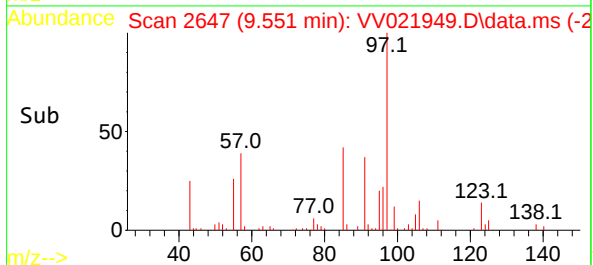
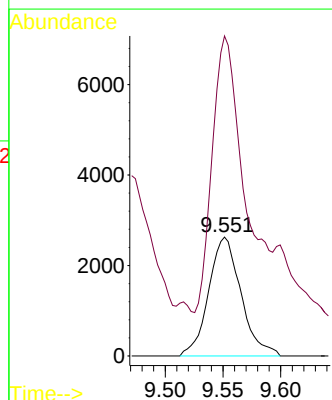
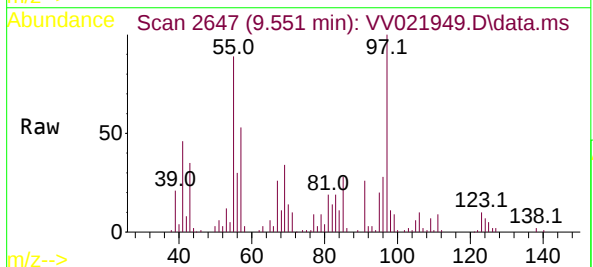
Instrument :
MSVOA_V
ClientSampled :

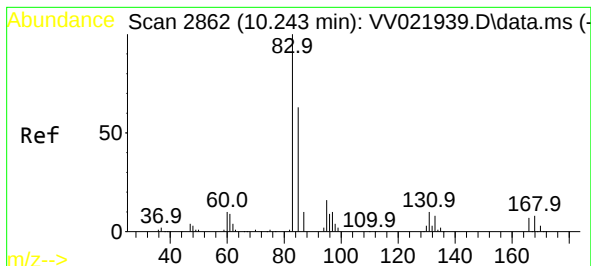
Tgt Ion:106 Resp: 39022
Ion Ratio Lower Upper
106 100
91 209.1 139.2 258.6



#54
o-Xylene
Concen: 0.908 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion:106 Resp: 5121
Ion Ratio Lower Upper
106 100
91 269.0 148.1 275.0

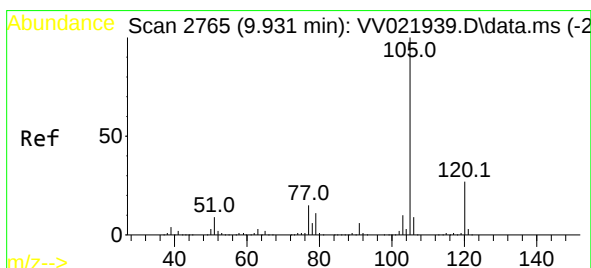
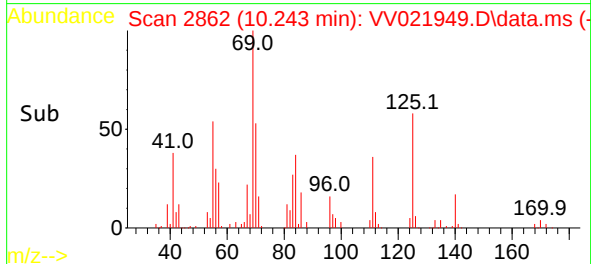
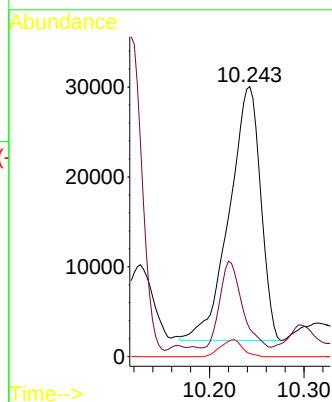
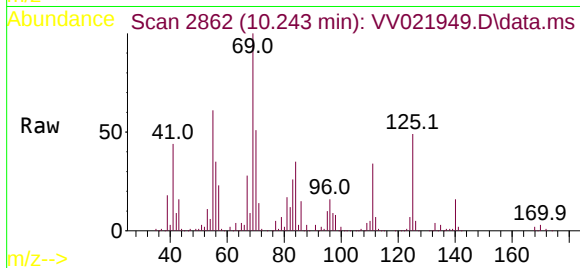




#57
1,1,2,2-Tetrachloroethane
Concen: 14.247 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

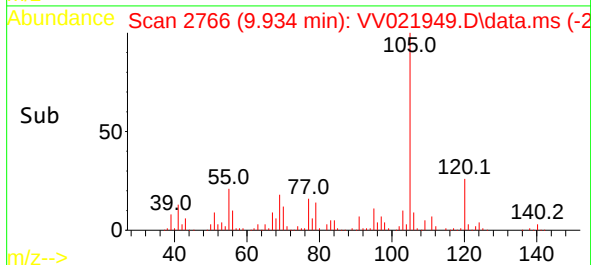
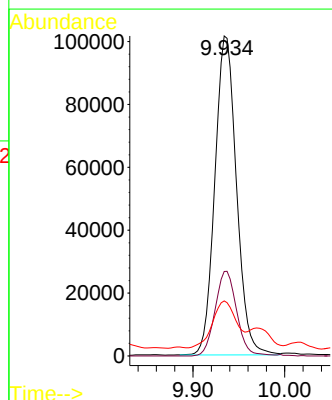
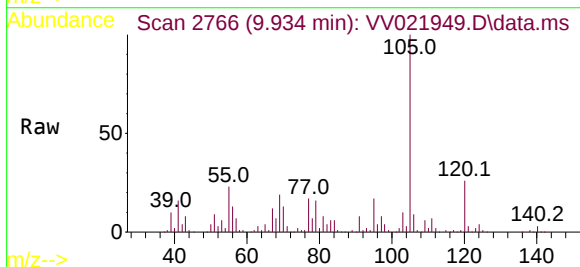
Instrument :
MSVOA_V
ClientSampleId :

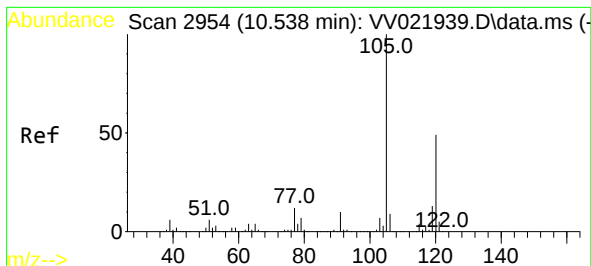
Tgt Ion: 83 Resp: 64825
Ion Ratio Lower Upper
83 100
85 10.3 44.4 82.5#
131 1.2 7.9 11.9#



#60
Isopropylbenzene
Concen: 10.579 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion: 105 Resp: 165991
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 16.1 11.8 17.8

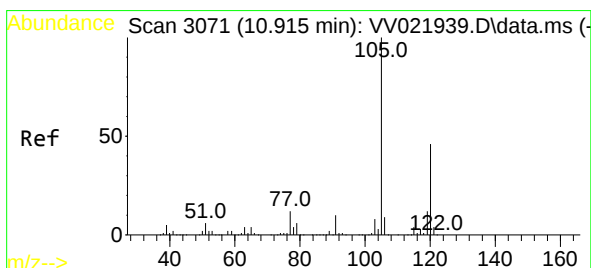
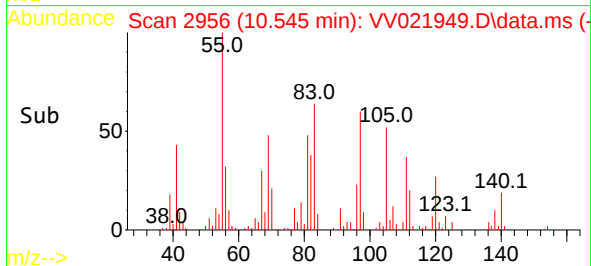
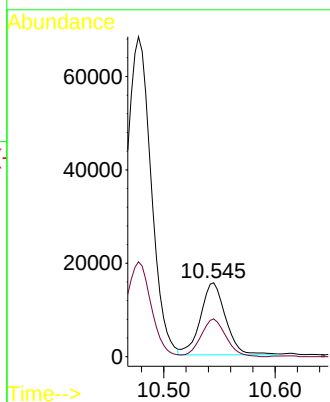
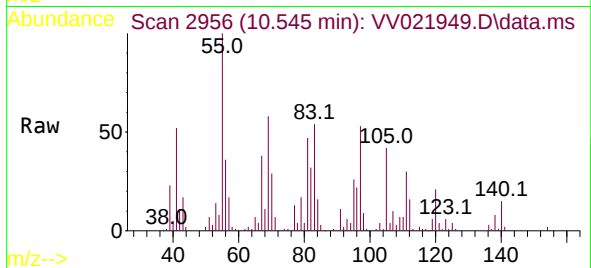




#62
1,3,5-Trimethylbenzene
Concen: 1.845 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

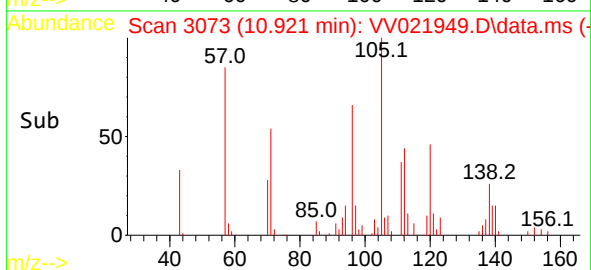
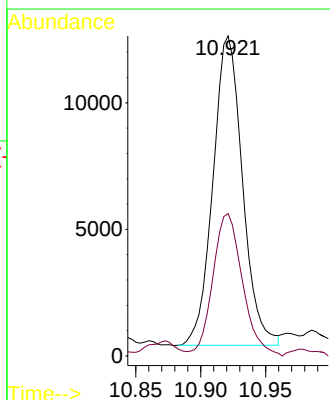
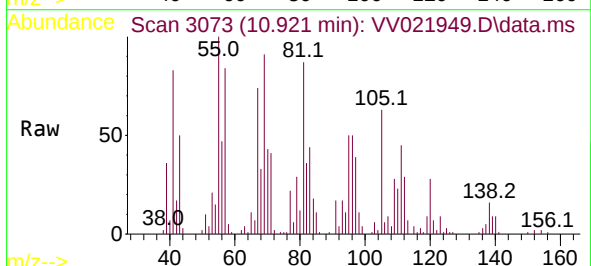
Instrument :
MSVOA_V
ClientSampled :

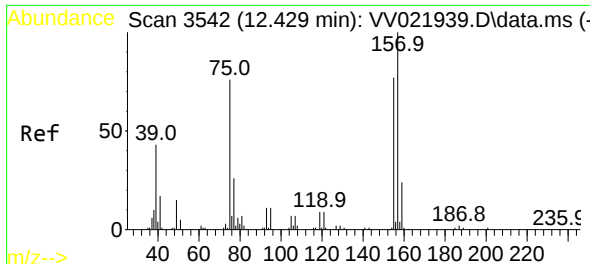
Tgt Ion:105 Resp: 24298
Ion Ratio Lower Upper
105 100
120 51.9 40.2 60.4



#63
1,2,4-Trimethylbenzene
Concen: 1.442 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion:105 Resp: 19305
Ion Ratio Lower Upper
105 100
120 46.2 37.3 55.9

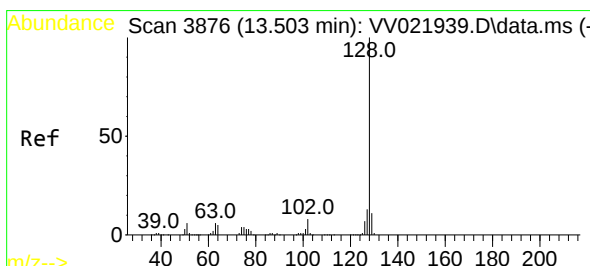
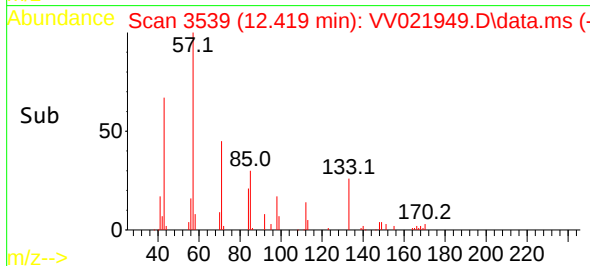
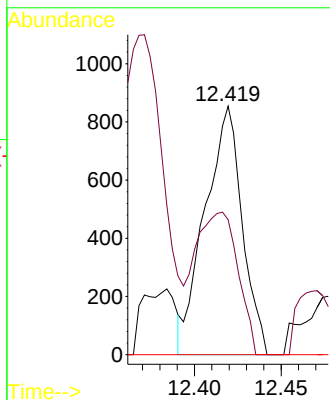
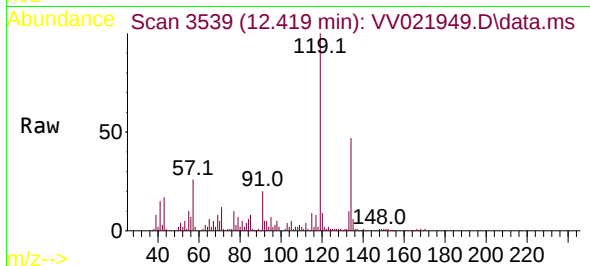




#68
1,2-Dibromo-3-chloropropane
Concen: 1.212 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. -0.010 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
155 54.3 77.8 116.8#
157 0.0 99.4 149.0#



#71
Naphthalene
Concen: 23.065 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV021949.D
Acq: 25 Aug 2021 15:11

Tgt Ion:128 Resp: 309505
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.8 8.5 12.7

