

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082721\
 Data File : VV021975.D
 Acq On : 27 Aug 2021 14:52
 Operator : SY/MD
 Sample : M3549-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 28 02:40:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 28 02:34:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	389611	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	366446	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	194905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	128787	47.732	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.460%		
7) Chloroethane-d5	1.564	69	100691	47.788	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.580%		
11) 1,1-Dichloroethene-d2	2.105	63	161946	36.293	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.580%		
21) 2-Butanone-d5	3.876	46	181666	98.176	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.180%		
24) Chloroform-d	4.352	84	234736	47.713	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.420%		
26) 1,2-Dichloroethane-d4	5.034	65	144832	49.980	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.960%		
32) Benzene-d6	5.053	84	506928	51.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.000%		
36) 1,2-Dichloropropane-d6	6.072	67	156631	50.110	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.220%		
41) Toluene-d8	7.317	98	467227	49.798	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.600%		
43) trans-1,3-Dichloroprop...	7.625	79	66080	44.416	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.840%		
47) 2-Hexanone-d5	8.088	63	127605	106.395	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.400%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	210231	52.515	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.040%		
66) 1,2-Dichlorobenzene-d4	11.628	152	194957	50.881	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.760%		
Target Compounds					Qvalue	
13) Acetone	2.159	43	22592	14.572	ug/L #	73
25) Chloroform	4.384	83	3944	0.770	ug/L	98
29) Cyclohexane	4.677	56	365979	89.343	ug/L	98
33) Benzene	5.101	78	256066	24.018	ug/L	100
35) Methylcyclohexane	6.133	83	443532	100.463	ug/L	95
39) cis-1,3-Dichloropropene	6.989	75	4409	1.033	ug/L #	52
40) 4-Methyl-2-pentanone	7.265	43	5493	1.466	ug/L #	49
42) Toluene	7.394	91	96242	8.364	ug/L	99
44) trans-1,3-Dichloropropene	7.622	75	2914	0.734	ug/L #	65
52) Ethylbenzene	9.014	91	319080	25.616	ug/L	100
53) m,p-Xylene	9.140	106	134879	27.859	ug/L	98
54) o-Xylene	9.548	106	33955	7.088	ug/L	97
60) Isopropylbenzene	9.934	105	180807	14.763	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	33899	3.297	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	84751	8.110	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.725	75	1205	1.480	ug/L #	1
71) Naphthalene	13.506	128	244533	20.784	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Sat Aug 28 02:34:14 2021
Response via : Initial Calibration

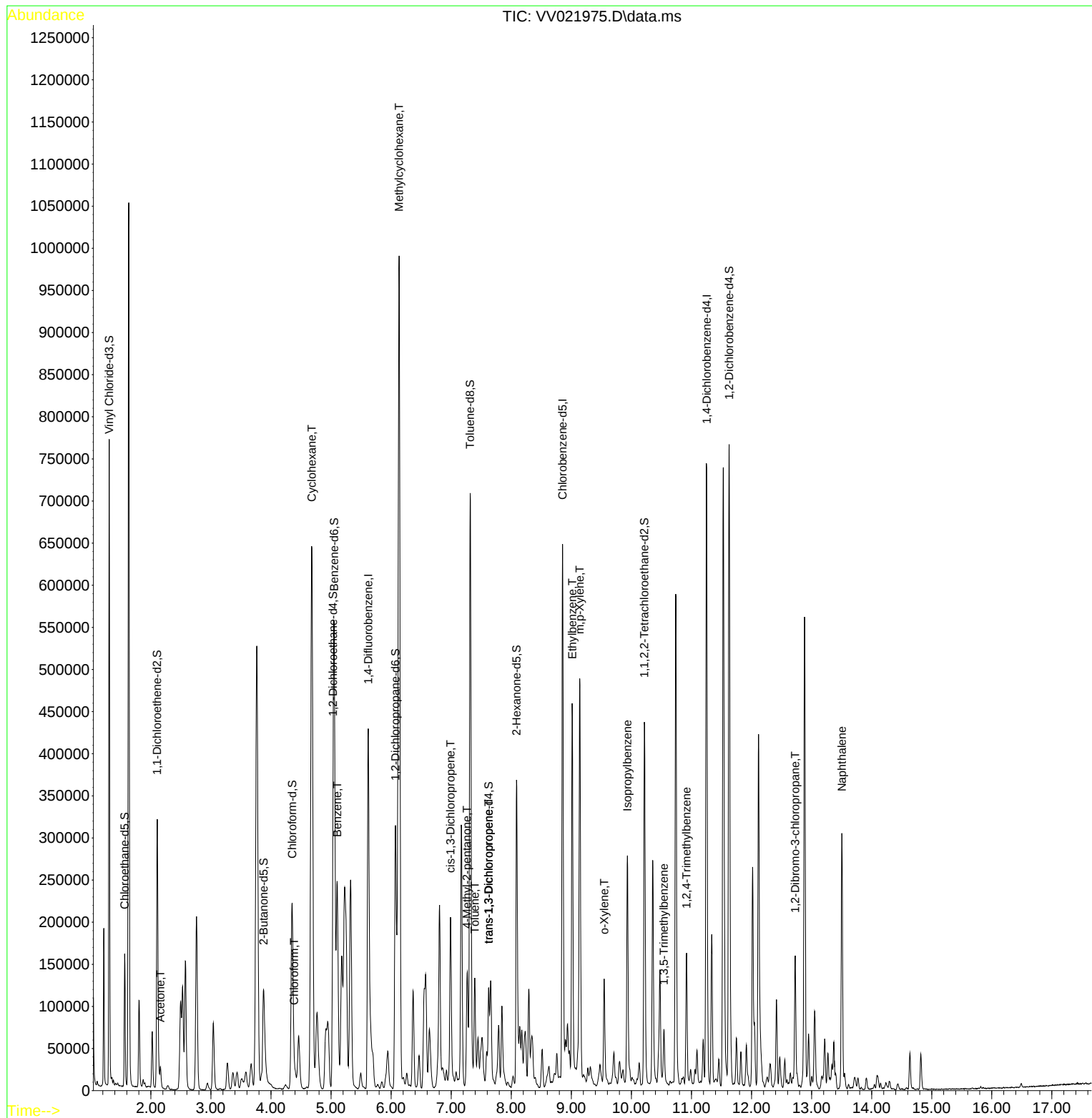
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

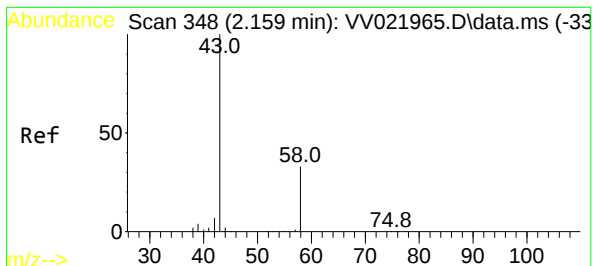
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#13

Acetone

Concen: 14.572 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV021975.D

Acq: 27 Aug 2021 14:52

Tgt Ion: 43 Resp: 22592

Ion Ratio Lower Upper

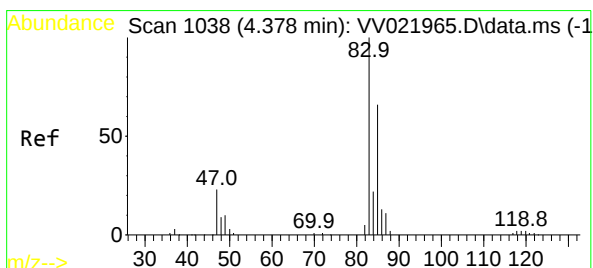
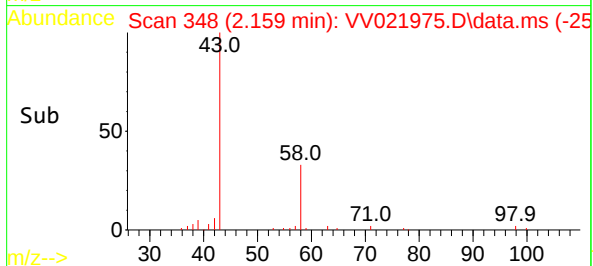
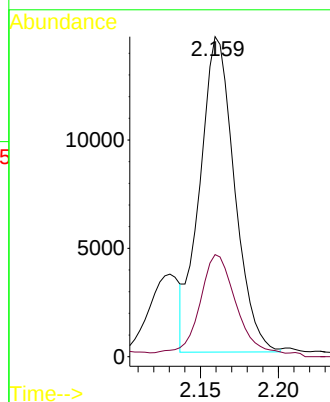
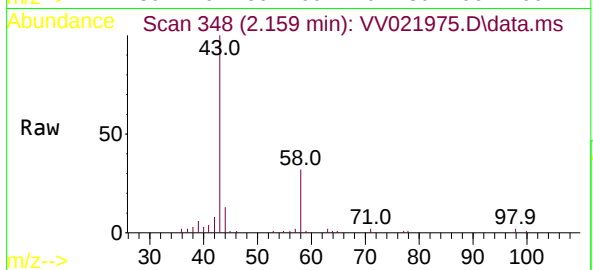
43 100

58 35.1 0.0 0.4#

Instrument :

MSVOA_V

ClientSampleId :



#25

Chloroform

Concen: 0.770 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.007 min

Lab File: VV021975.D

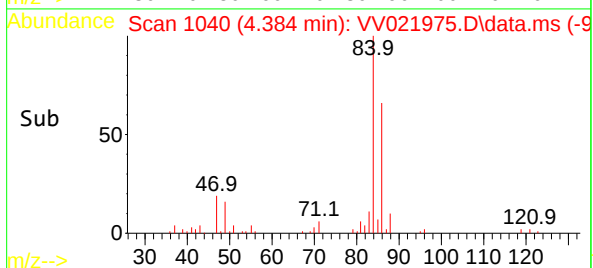
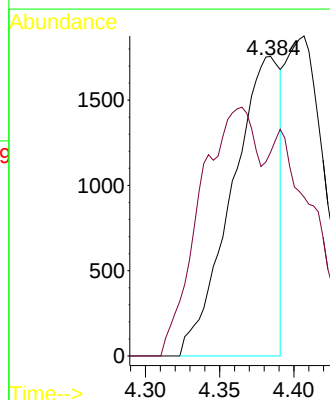
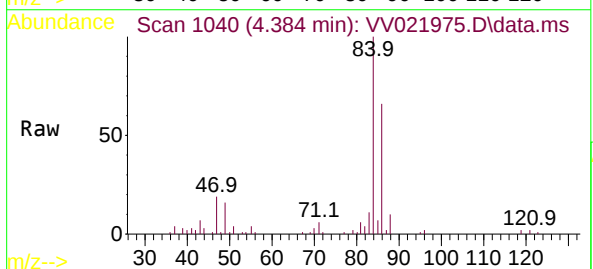
Acq: 27 Aug 2021 14:52

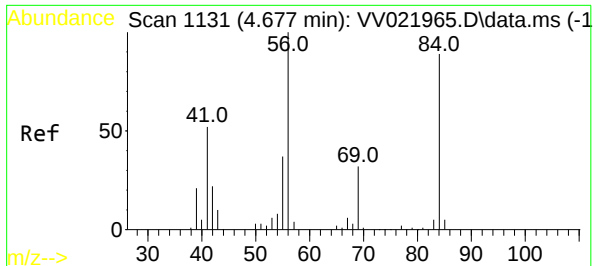
Tgt Ion: 83 Resp: 3944

Ion Ratio Lower Upper

83 100

85 68.1 46.3 85.9





#29

Cyclohexane

Concen: 89.343 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

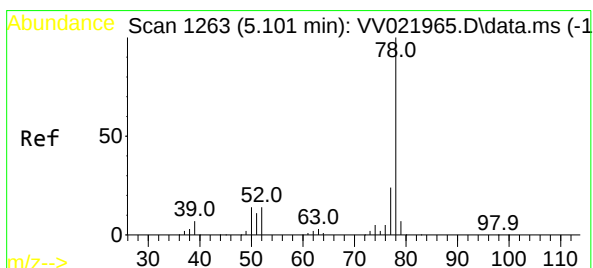
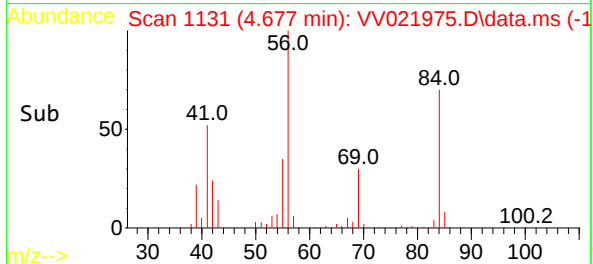
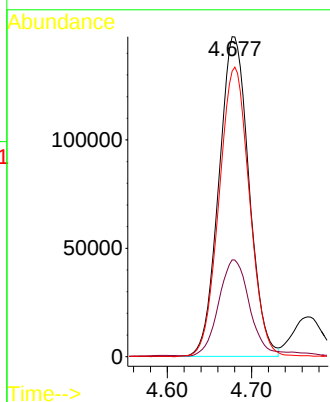
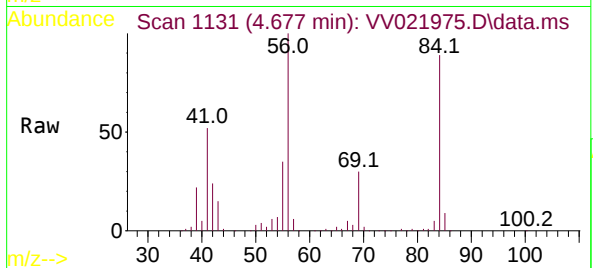
Lab File: VV021975.D

Acq: 27 Aug 2021 14:52

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 56 Resp: 365979

Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.2	37.8
84	91.4	74.6	111.8



#33

Benzene

Concen: 24.018 ug/L

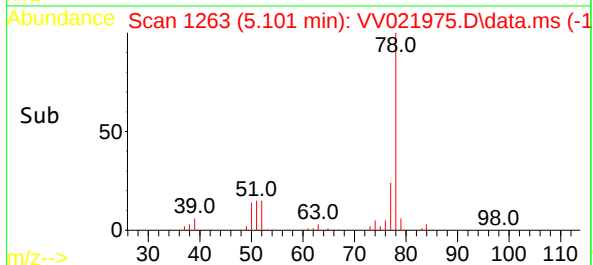
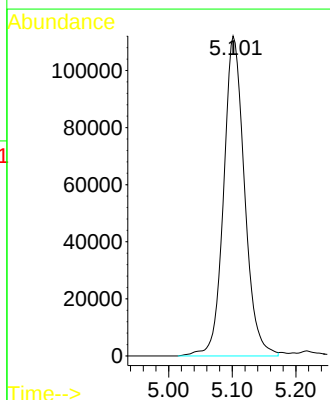
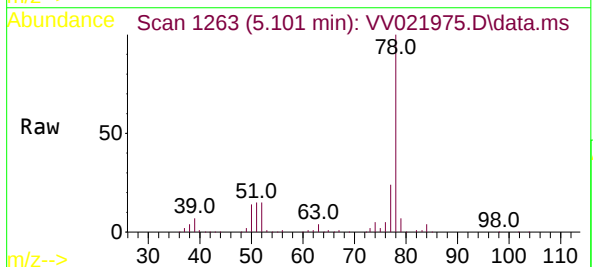
RT: 5.101 min Scan# 1263

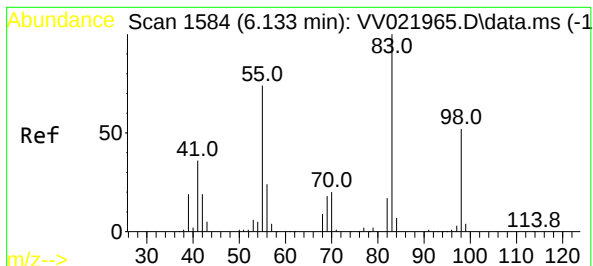
Delta R.T. 0.000 min

Lab File: VV021975.D

Acq: 27 Aug 2021 14:52

Tgt Ion: 78 Resp: 256066

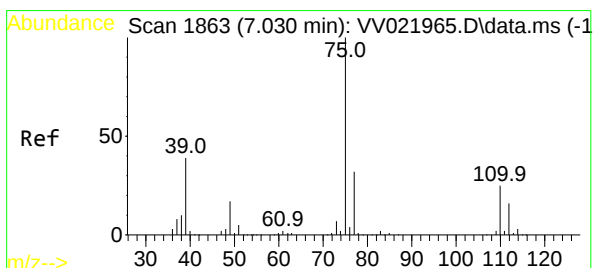
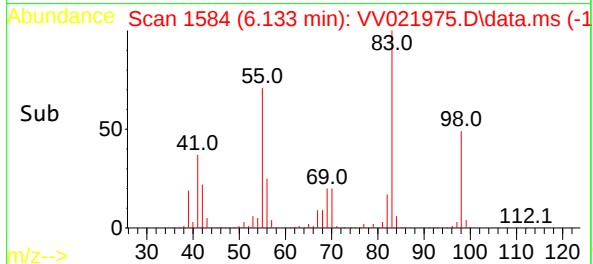
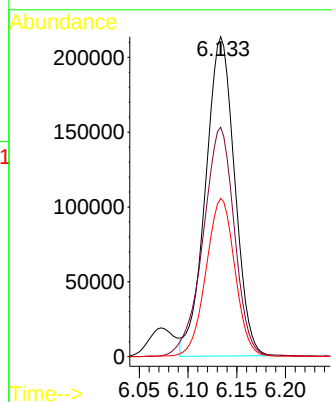
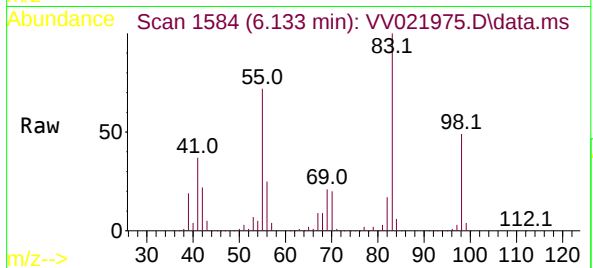




#35
Methylcyclohexane
Concen: 100.463 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.000 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

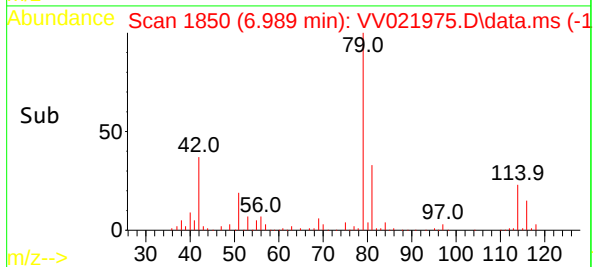
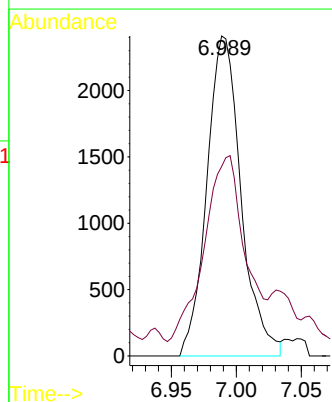
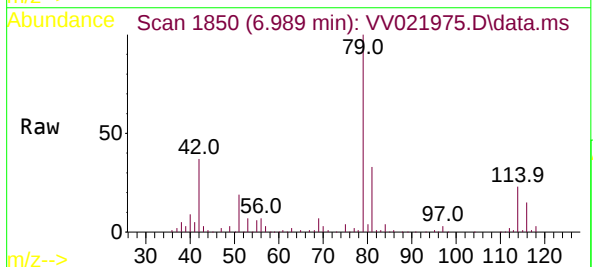
Instrument :
MSVOA_V
ClientSampleId :

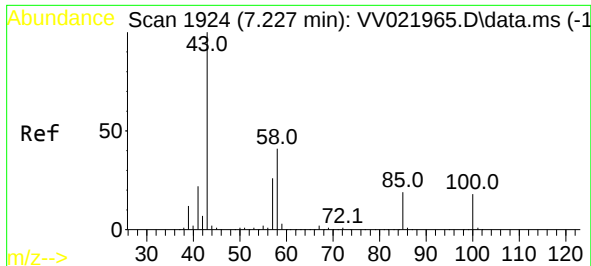
Tgt Ion: 83 Resp: 443532
Ion Ratio Lower Upper
83 100
55 77.7 56.8 85.2
98 49.2 39.9 59.9



#39
cis-1,3-Dichloropropene
Concen: 1.033 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Tgt Ion: 75 Resp: 4409
Ion Ratio Lower Upper
75 100
77 59.2 22.7 42.1#

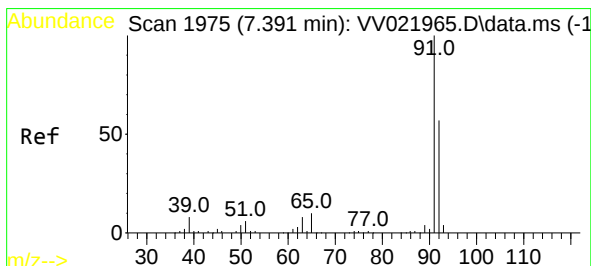
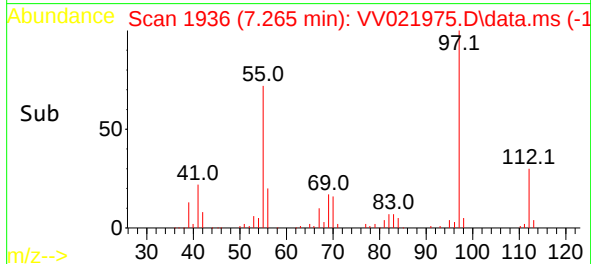
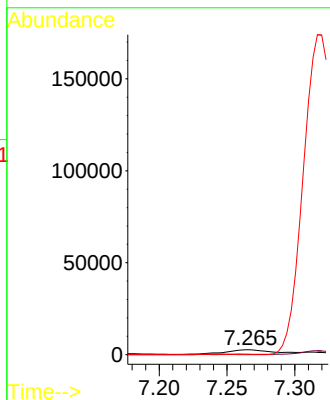
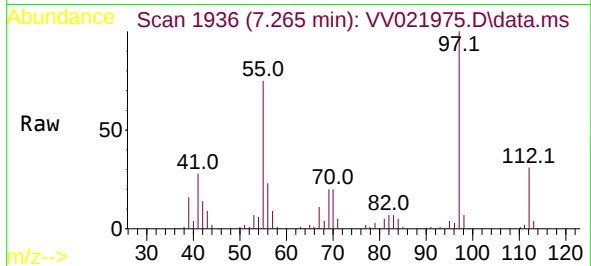




#40
4-Methyl-2-pentanone
Concen: 1.466 ug/L
RT: 7.265 min Scan# 1936
Delta R.T. 0.039 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

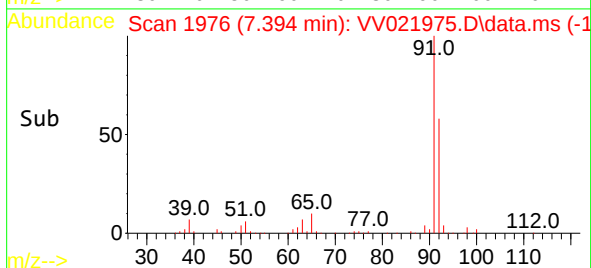
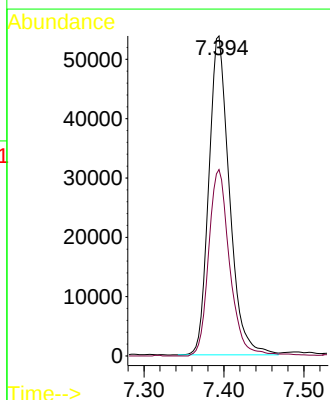
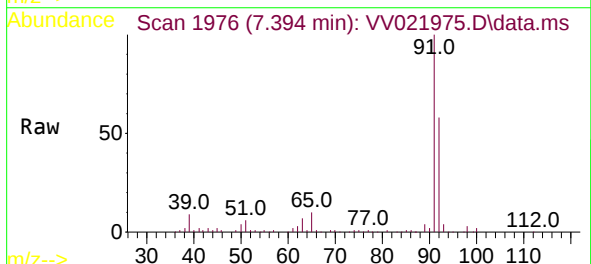
Instrument :
MSVOA_V
ClientSampleId :

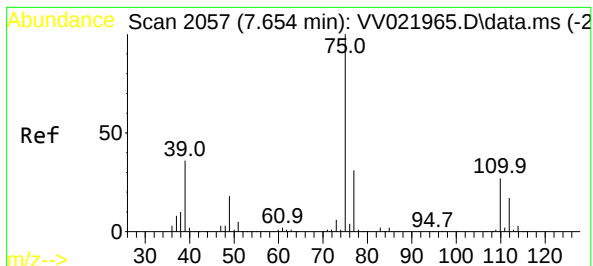
Tgt Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
58 5.4 33.3 49.9#
100 1.7 14.5 21.7#



#42
Toluene
Concen: 8.364 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.003 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Tgt Ion: 91 Resp: 96242
Ion Ratio Lower Upper
91 100
92 58.3 40.3 74.8



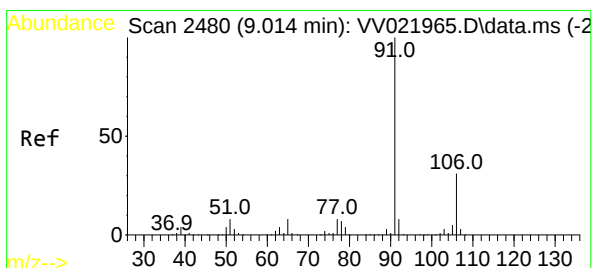
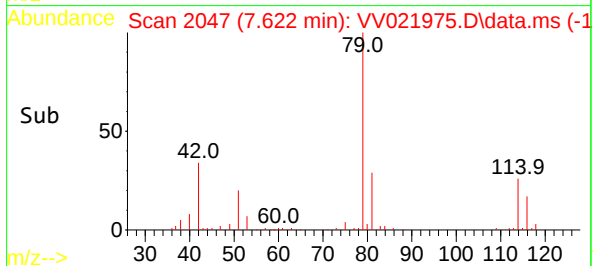
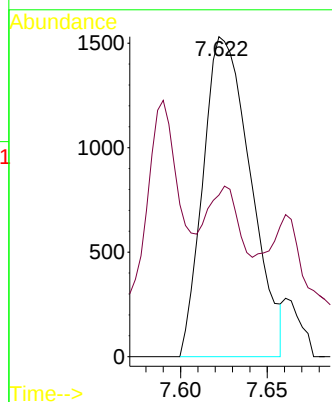
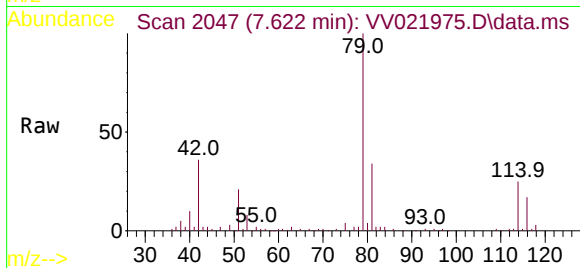


#44

trans-1,3-Dichloropropene
Concen: 0.734 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.032 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Instrument :
MSVOA_V
ClientSampled :

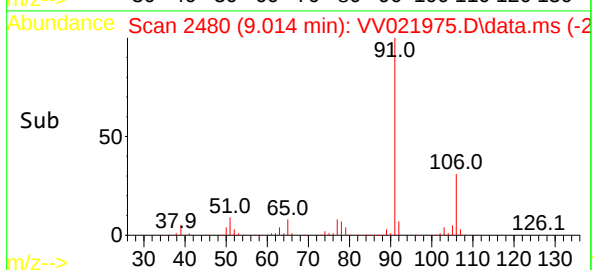
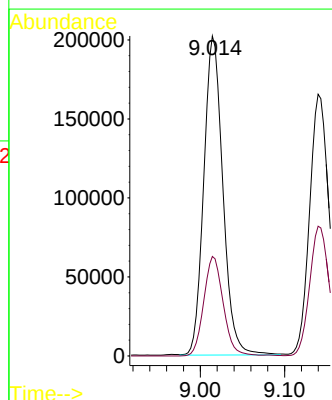
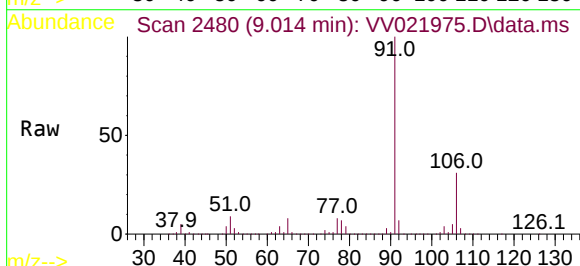
Tgt Ion: 75 Resp: 2914
Ion Ratio Lower Upper
75 100
77 50.5 21.8 40.6#

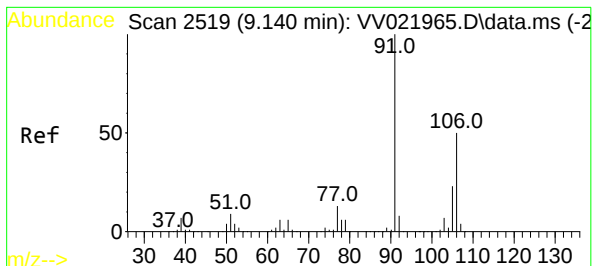


#52

Ethylbenzene
Concen: 25.616 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.000 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Tgt Ion: 91 Resp: 319080
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3

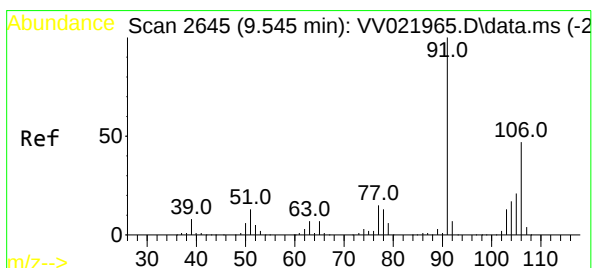
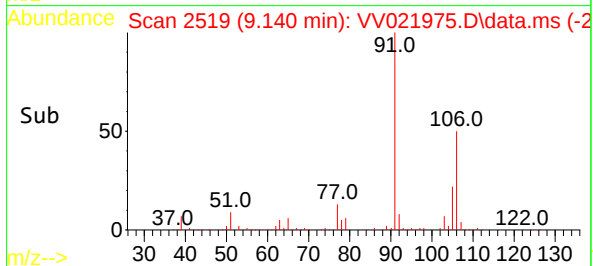
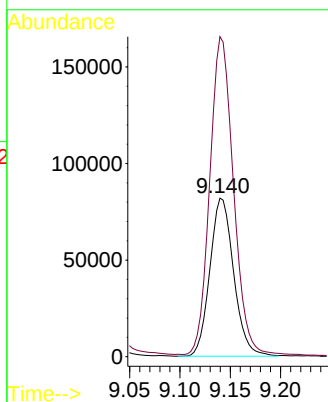
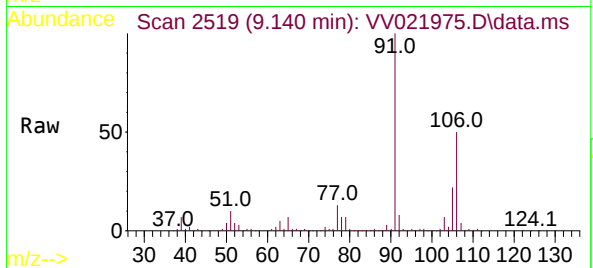




#53
m,p-Xylene
Concen: 27.859 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

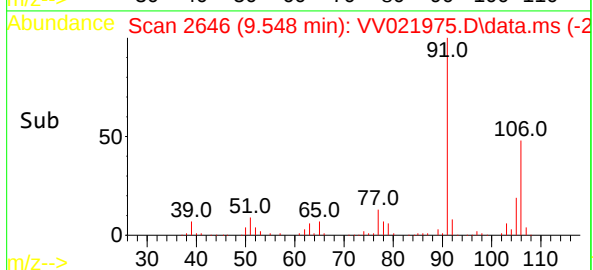
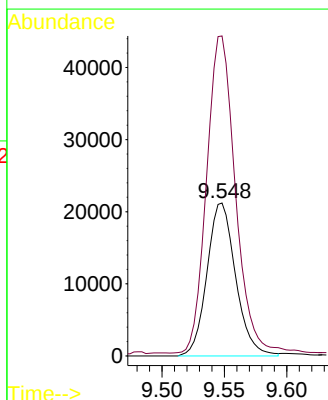
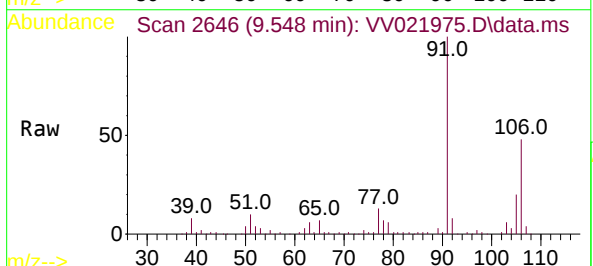
Instrument :
MSVOA_V
ClientSampleId :

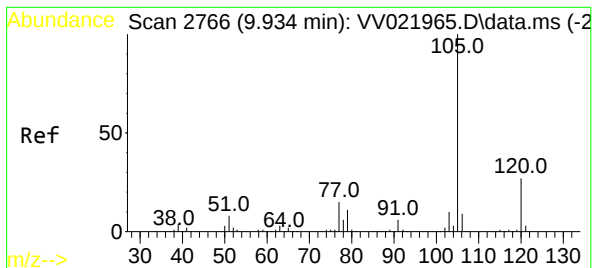
Tgt Ion:106 Resp: 134879
Ion Ratio Lower Upper
106 100
91 201.8 139.1 258.3



#54
o-Xylene
Concen: 7.088 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Tgt Ion:106 Resp: 33955
Ion Ratio Lower Upper
106 100
91 209.1 150.1 278.9





#60

Isopropylbenzene

Concen: 14.763 ug/L

RT: 9.934 min Scan# 2766

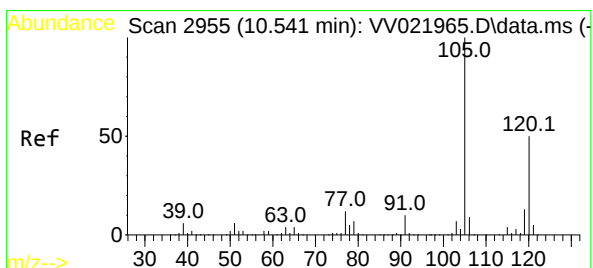
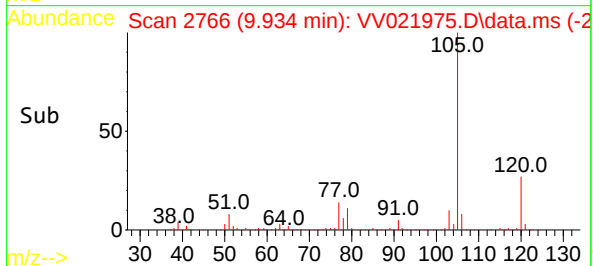
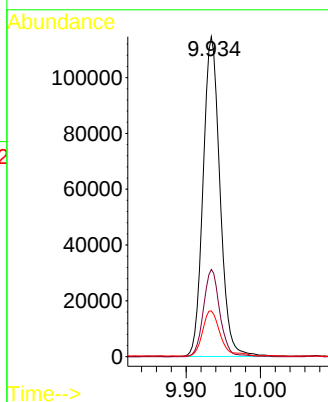
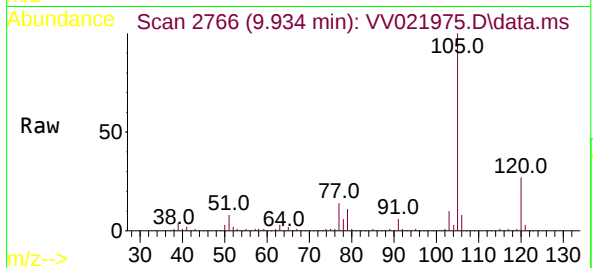
Delta R.T. 0.000 min

Lab File: VV021975.D

Acq: 27 Aug 2021 14:52

Tgt Ion:	105	Resp:	180807
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.5	32.3
77	14.3	11.8	17.6

Instrument :
MSVOA_V
ClientSampled :



#62

1,3,5-Trimethylbenzene

Concen: 3.297 ug/L

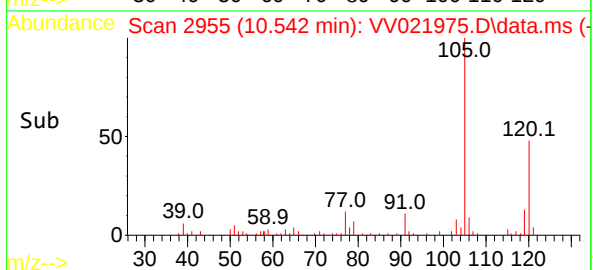
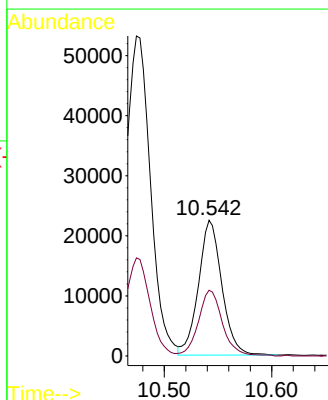
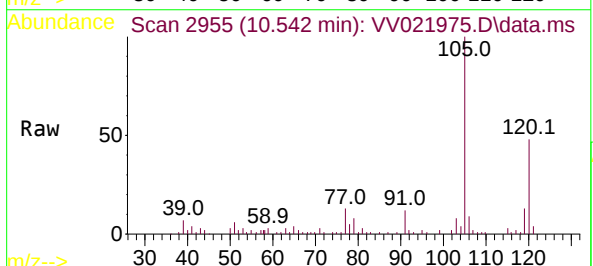
RT: 10.542 min Scan# 2955

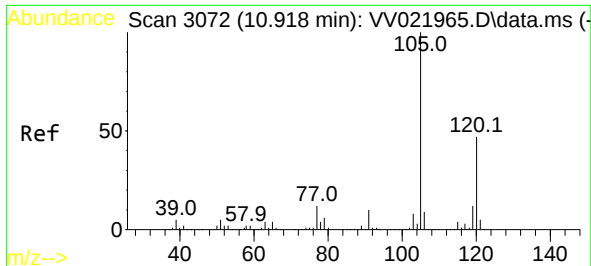
Delta R.T. 0.000 min

Lab File: VV021975.D

Acq: 27 Aug 2021 14:52

Tgt Ion:	105	Resp:	33899
Ion Ratio	Lower	Upper	
105	100		
120	50.3	39.6	59.4

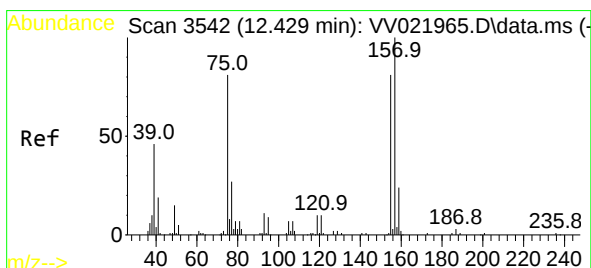
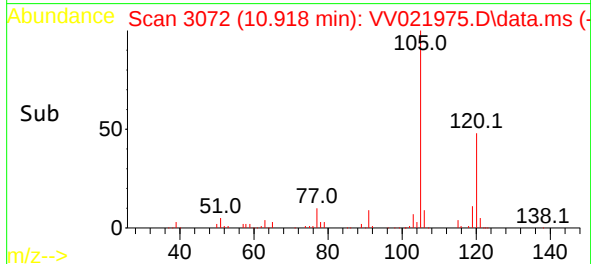
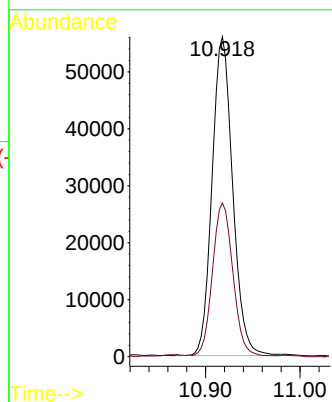
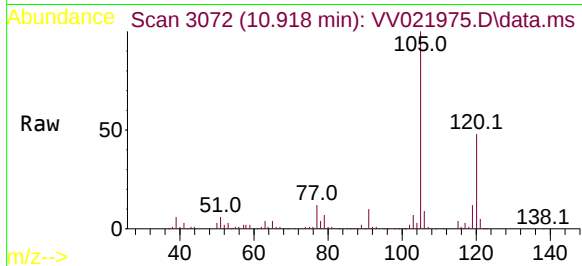




#63
1,2,4-Trimethylbenzene
Concen: 8.110 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.000 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

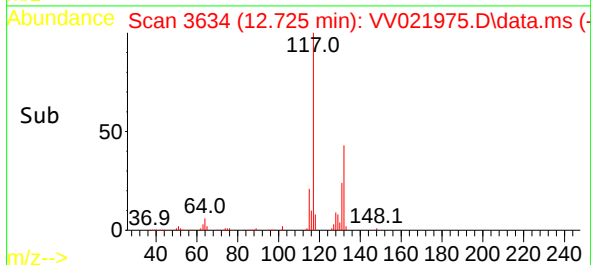
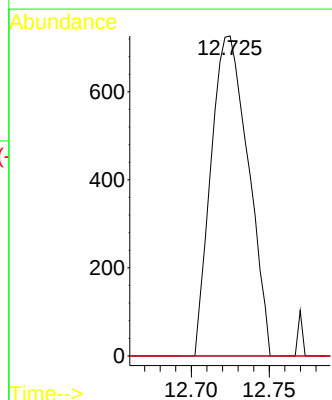
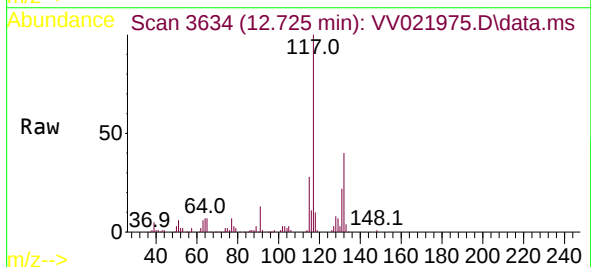
Instrument :
MSVOA_V
ClientSampled :

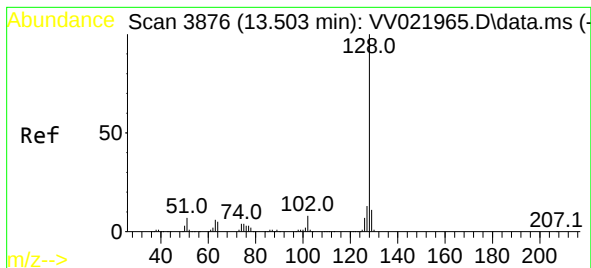
Tgt Ion:105 Resp: 84751
Ion Ratio Lower Upper
105 100
120 48.1 37.4 56.0



#68
1,2-Dibromo-3-chloropropane
Concen: 1.480 ug/L
RT: 12.725 min Scan# 3634
Delta R.T. 0.296 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

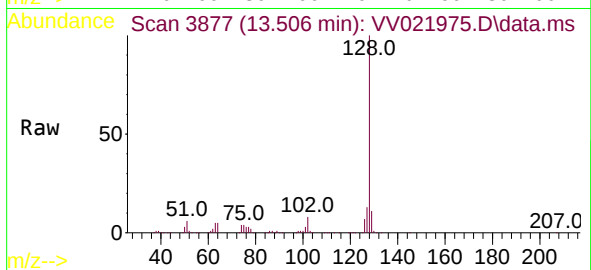
Tgt Ion: 75 Resp: 1205
Ion Ratio Lower Upper
75 100
155 0.0 79.8 119.6#
157 0.0 98.3 147.5#





#71
Naphthalene
Concen: 20.784 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV021975.D
Acq: 27 Aug 2021 14:52

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 244533
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.7 13.1

