

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011422\
 Data File : VW024367.D
 Acq On : 14 Jan 2022 17:38
 Operator : SY/MD
 Sample : N1115-16ME
 Misc : 6.56g/5.0mL/100uL/5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 07:20:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 13 02:28:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	470591	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	429429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	214909	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	110001	32.479	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.960%
7) Chloroethane-d5	1.565	69	80629	31.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.680%#
11) 1,1-Dichloroethene-d2	2.085	63	170922	27.003	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.000%#
21) 2-Butanone-d5	3.896	46	172593	91.468	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.470%
24) Chloroform-d	4.343	84	257585	41.614	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.220%
26) 1,2-Dichloroethane-d4	5.027	65	175296	42.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.600%
32) Benzene-d6	5.043	84	521443	46.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.060%
36) 1,2-Dichloropropane-d6	6.066	67	166049	52.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.740%
41) Toluene-d8	7.313	98	495280	45.647	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.300%
43) trans-1,3-Dichloroprop...	7.622	79	83836	46.358	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.720%
47) 2-Hexanone-d5	8.124	63	96134	70.456	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.460%
56) 1,1,2,2-Tetrachloroeth...	10.227	84	247195	55.077	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.160%
66) 1,2-Dichlorobenzene-d4	11.628	152	200462	46.797	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
22) 2-Butanone	3.995	43	10905	5.510	ug/L	82
25) Chloroform	4.391	83	109513	19.118	ug/L #	40
29) Cyclohexane	4.661	56	13718	3.574	ug/L #	54
35) Methylcyclohexane	6.124	83	45929	10.285	ug/L #	88
38) Bromodichloromethane	6.523	83	3132	0.777	ug/L #	71
39) cis-1,3-Dichloropropene	6.982	75	5489	1.271	ug/L #	57
40) 4-Methyl-2-pentanone	7.259	43	9179	2.741	ug/L #	59
48) 2-Hexanone	8.079	43	56981	21.183	ug/L #	28
52) Ethylbenzene	9.014	91	148211	11.319	ug/L	97
53) m,p-Xylene	9.143	106	31190	5.942	ug/L	98
54) o-Xylene	9.551	106	6303	1.258	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.239	83	122409	29.116	ug/L #	38
60) Isopropylbenzene	9.934	105	1103963	92.832	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	48332	4.725	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	570304	55.844	ug/L	99
65) 1,4-Dichlorobenzene	11.278	146	3995	0.632	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.416	75	6714	7.387	ug/L #	15
70) 1,2,4-trichlorobenzene	13.265	180	6385	1.583	ug/L #	1
71) Naphthalene	13.503	128	494368	42.363	ug/L #	96

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Quant Title : VOC Analysis
QLast Update : Thu Jan 13 02:28:22 2022
Response via : Initial Calibration

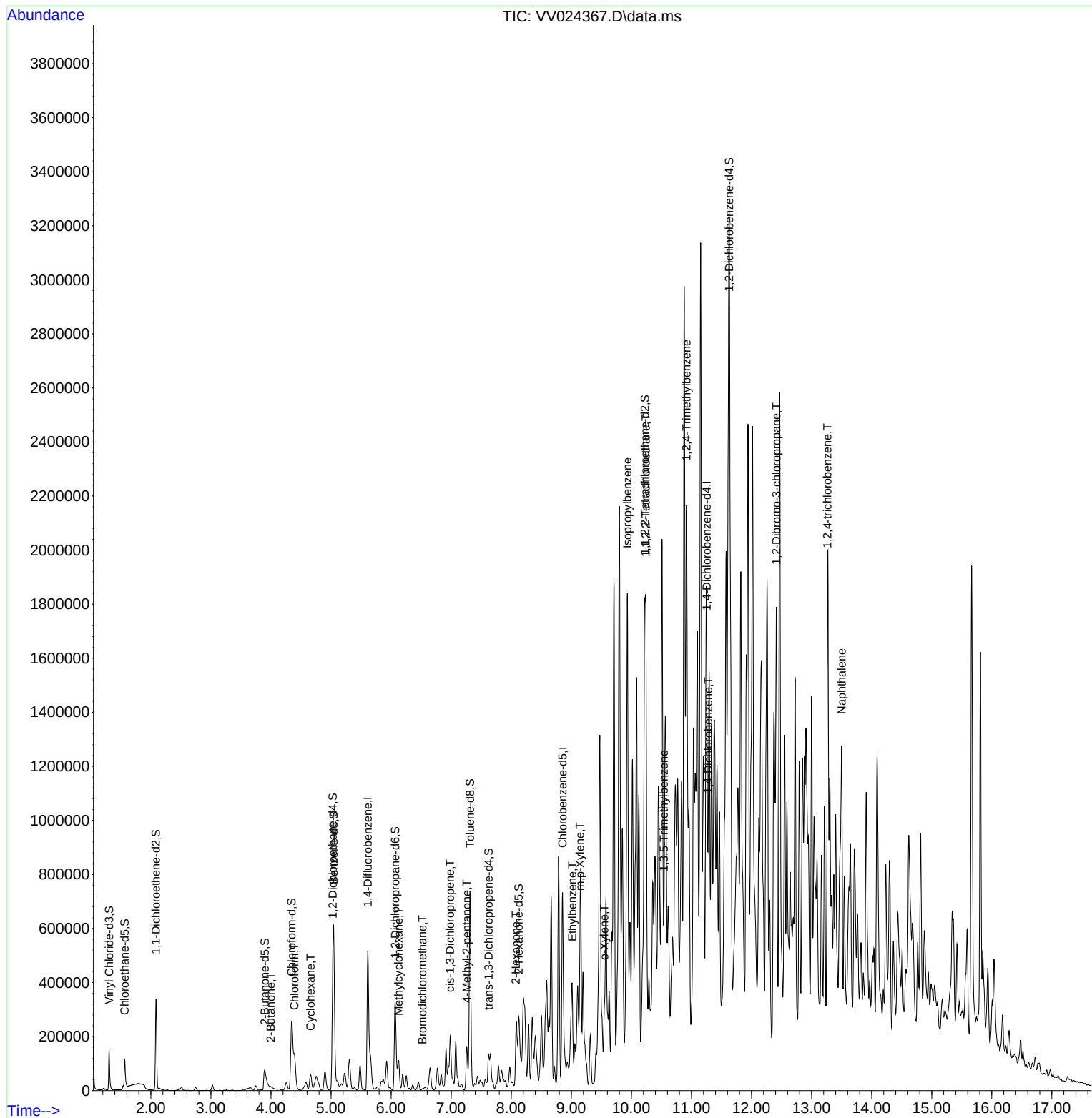
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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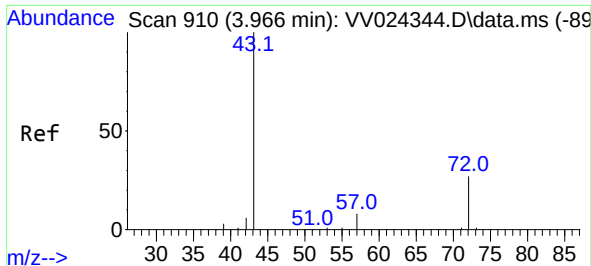
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#22

2-Butanone

Concen: 5.510 ug/L

RT: 3.995 min Scan# 910

Delta R.T. 0.026 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

Instrument :

MSVOA_V

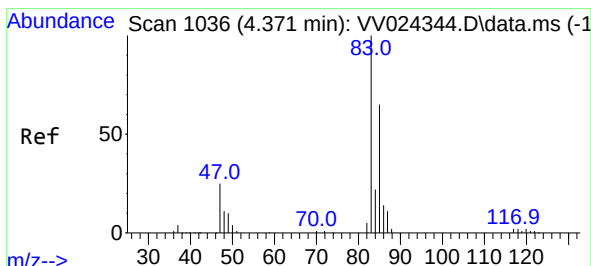
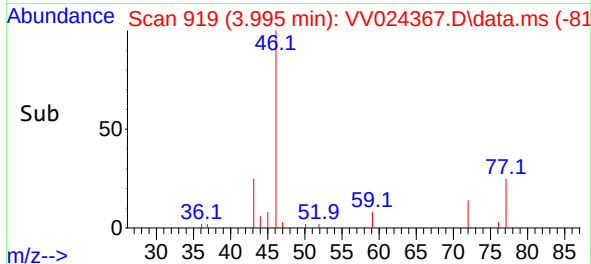
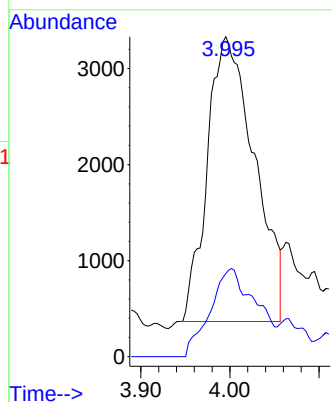
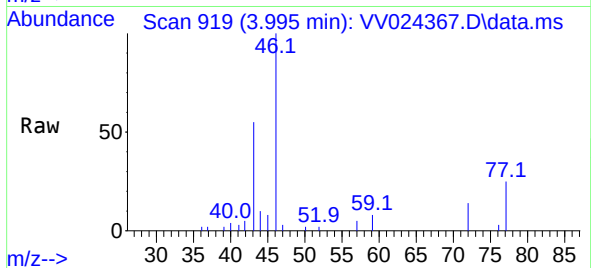
ClientSampleId :

Tgt Ion: 43 Resp: 10905

Ion Ratio Lower Upper

43 100

72 19.9 14.9 44.9



#25

Chloroform

Concen: 19.118 ug/L

RT: 4.391 min Scan# 1042

Delta R.T. 0.019 min

Lab File: VV024367.D

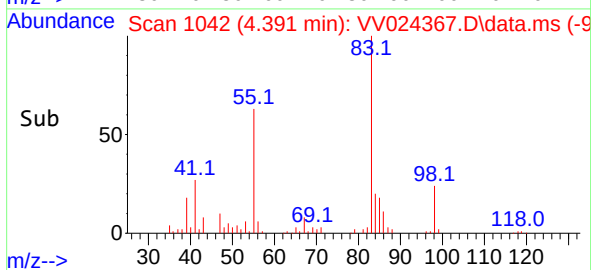
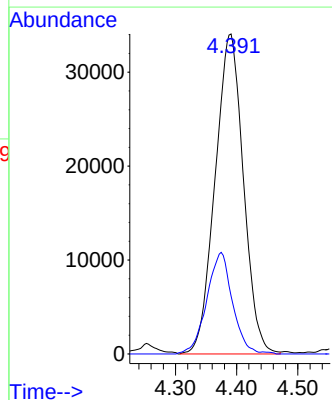
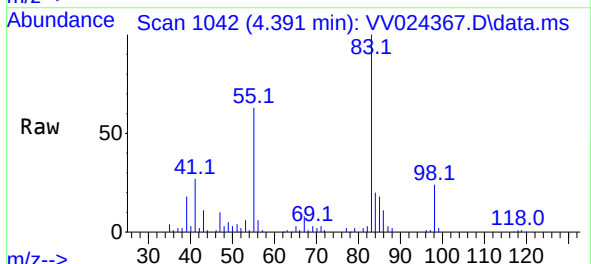
Acq: 14 Jan 2022 17:38

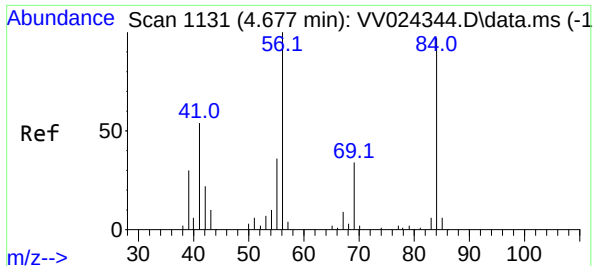
Tgt Ion: 83 Resp: 109513

Ion Ratio Lower Upper

83 100

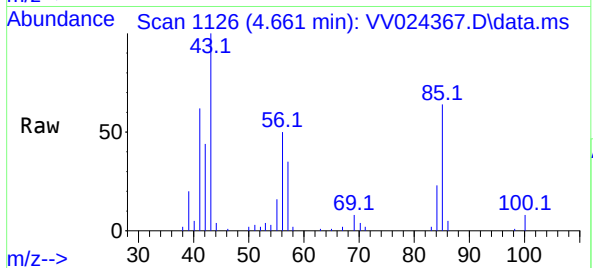
85 18.1 46.3 85.9#



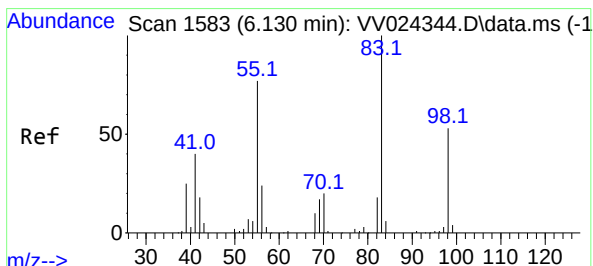
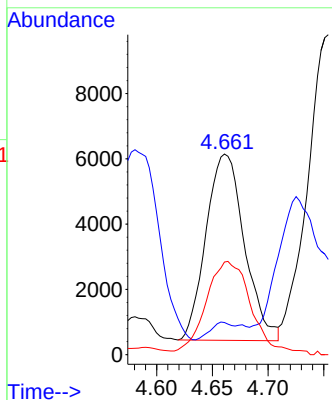
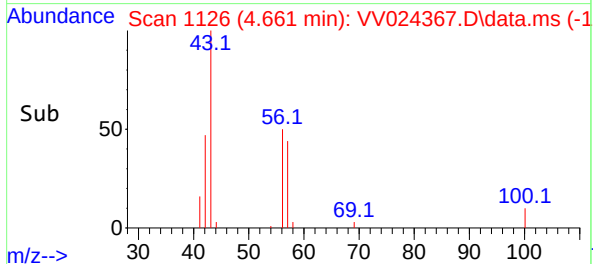


#29
Cyclohexane
Concen: 3.574 ug/L
RT: 4.661 min Scan# 1131
Delta R.T. -0.016 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

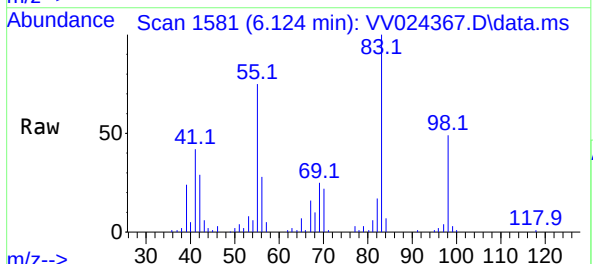
Instrument :
MSVOA_V
ClientSampleId :



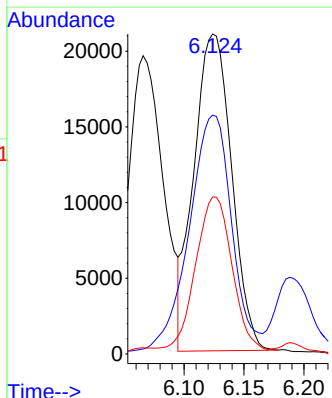
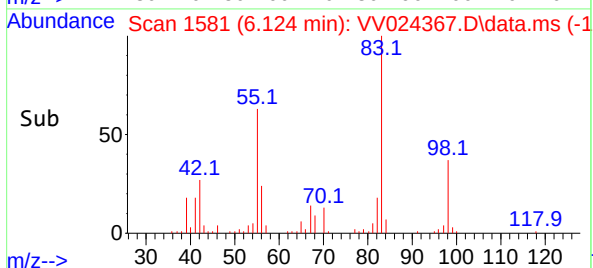
Tgt Ion: 56 Resp: 13718
Ion Ratio Lower Upper
56 100
69 5.5 25.8 38.6#
84 53.3 79.1 118.7#

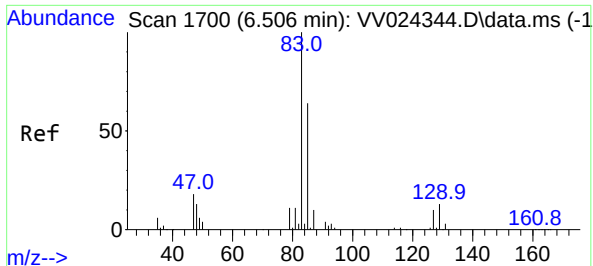


#35
Methylcyclohexane
Concen: 10.285 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38



Tgt Ion: 83 Resp: 45929
Ion Ratio Lower Upper
83 100
55 83.8 55.6 83.4#
98 48.9 41.3 61.9

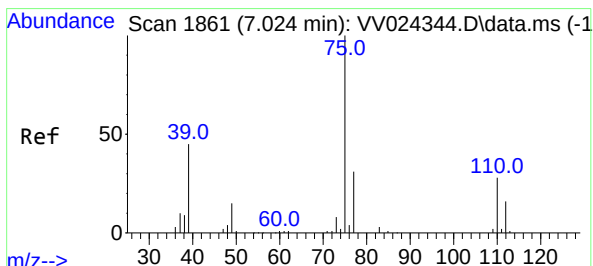
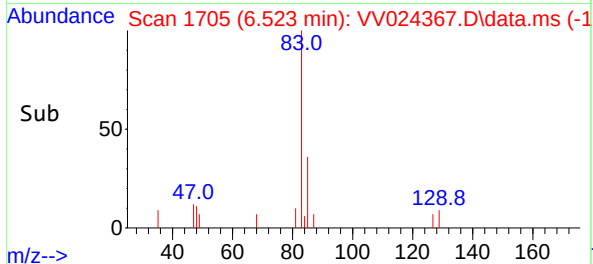
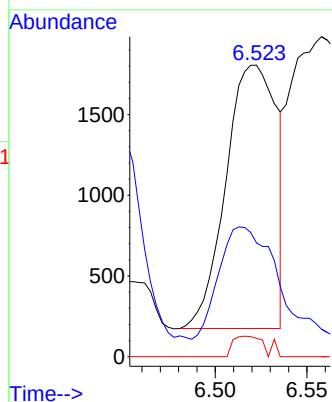
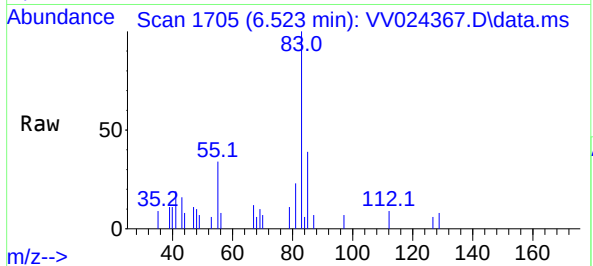




#38
Bromodichloromethane
Concen: 0.777 ug/L
RT: 6.523 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

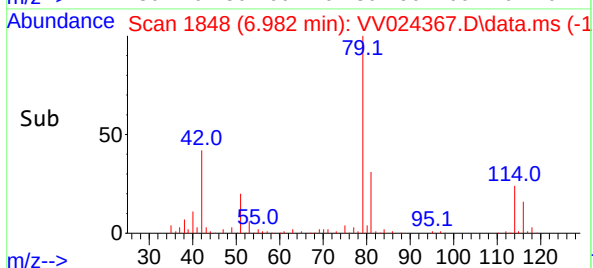
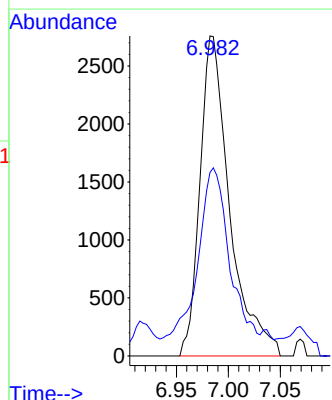
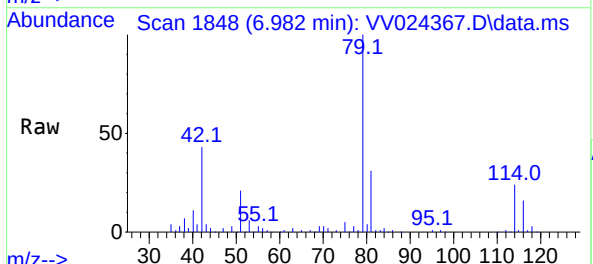
Instrument :
MSVOA_V
ClientSampleId :

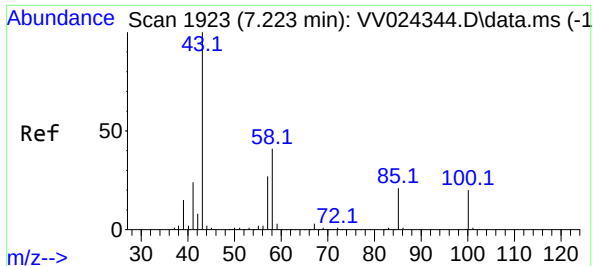
Tgt Ion: 83 Resp: 3132
Ion Ratio Lower Upper
83 100
85 39.0 45.2 84.0#
127 6.3 7.8 11.8#



#39
cis-1,3-Dichloropropene
Concen: 1.271 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.042 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

Tgt Ion: 75 Resp: 5489
Ion Ratio Lower Upper
75 100
77 57.3 23.0 42.8#





#40

4-Methyl-2-pentanone

Concen: 2.741 ug/L

RT: 7.259 min Scan# 1923

Delta R.T. 0.035 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

Instrument :

MSVOA_V

ClientSampleId :

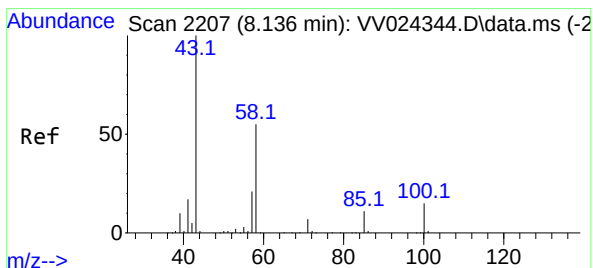
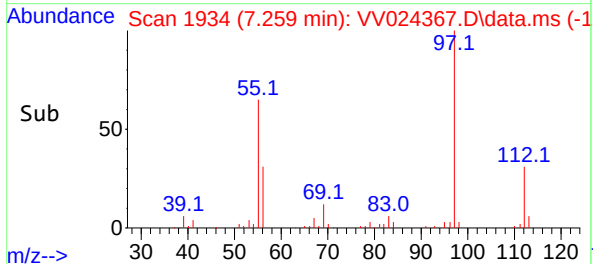
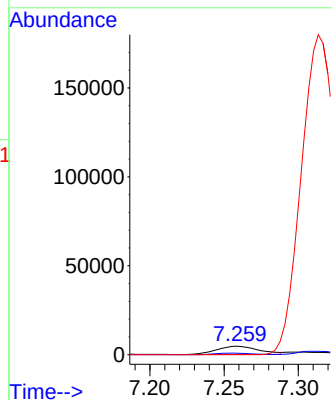
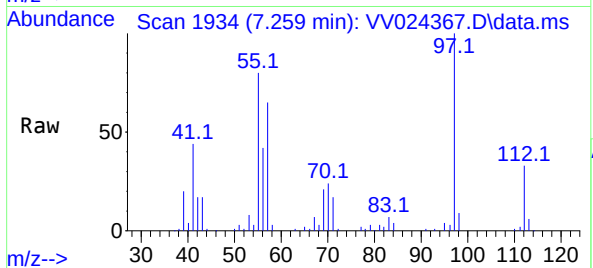
Tgt Ion: 43 Resp: 9179

Ion Ratio Lower Upper

43 100

58 16.5 33.0 49.4#

100 0.0 16.0 24.0#



#48

2-Hexanone

Concen: 21.183 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.058 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

Tgt Ion: 43 Resp: 56981

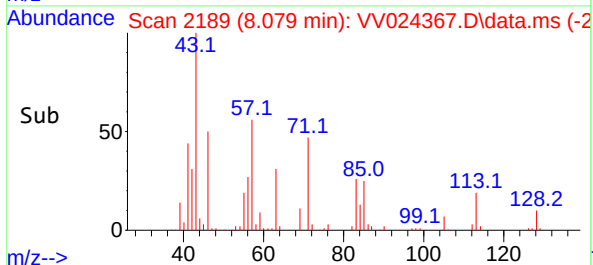
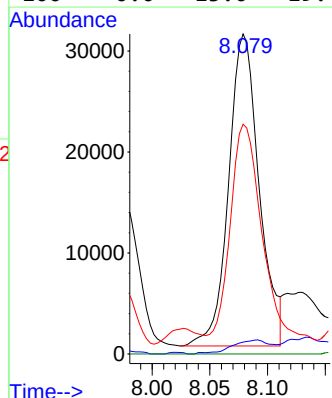
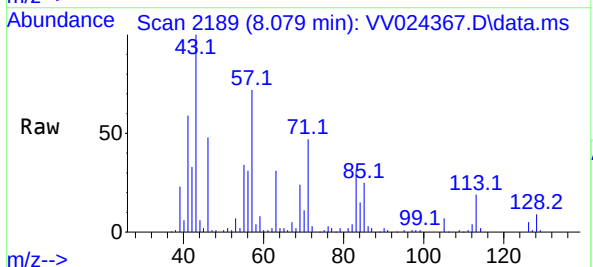
Ion Ratio Lower Upper

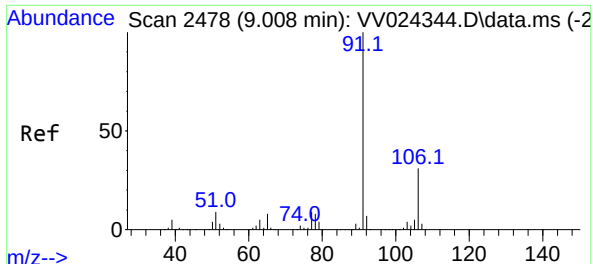
43 100

58 5.3 45.0 67.4#

57 70.7 16.9 25.3#

100 0.0 13.0 19.4#





#52

Ethylbenzene

Concen: 11.319 ug/L

RT: 9.014 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

Instrument :

MSVOA_V

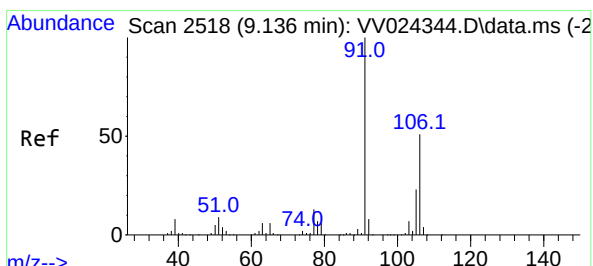
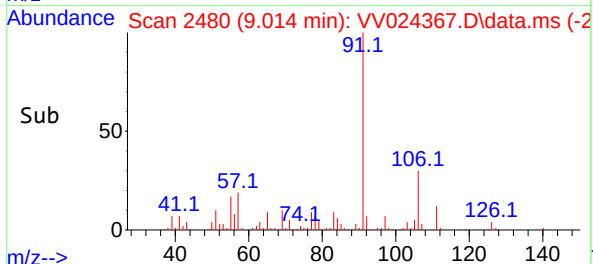
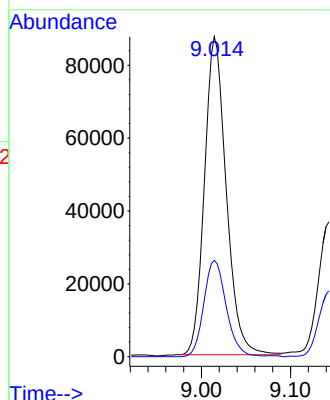
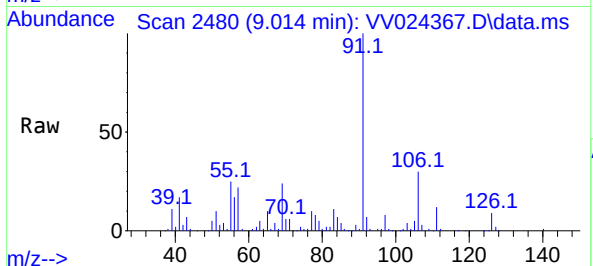
ClientSampleId :

Tgt Ion: 91 Resp: 148211

Ion Ratio Lower Upper

91 100

106 30.1 22.0 41.0



#53

m,p-Xylene

Concen: 5.942 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV024367.D

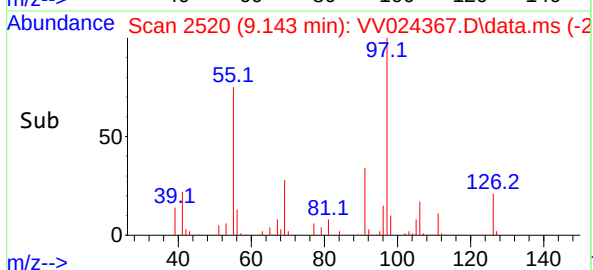
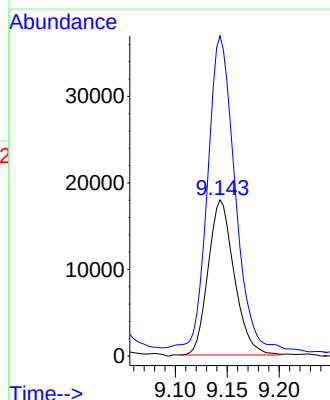
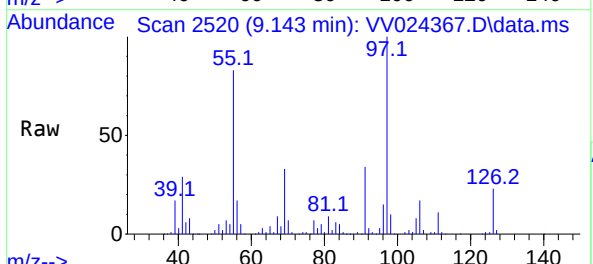
Acq: 14 Jan 2022 17:38

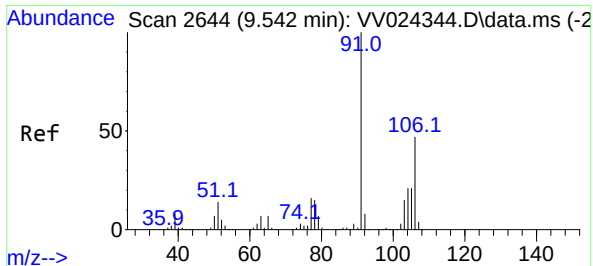
Tgt Ion: 106 Resp: 31190

Ion Ratio Lower Upper

106 100

91 204.9 141.8 263.4





#54

o-Xylene

Concen: 1.258 ug/L

RT: 9.551 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

Instrument :

MSVOA_V

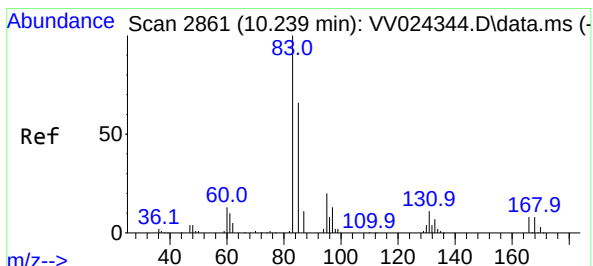
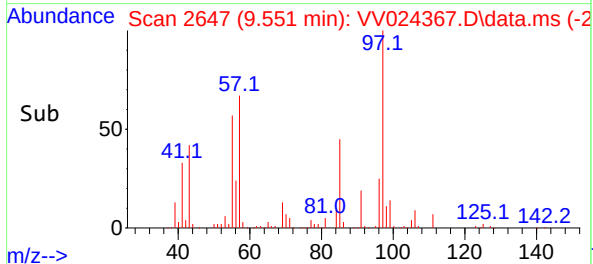
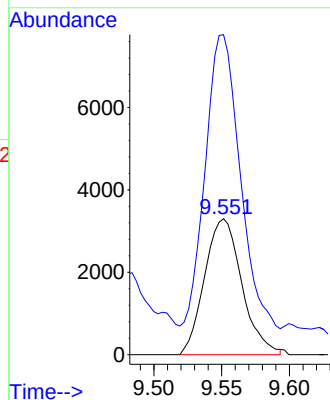
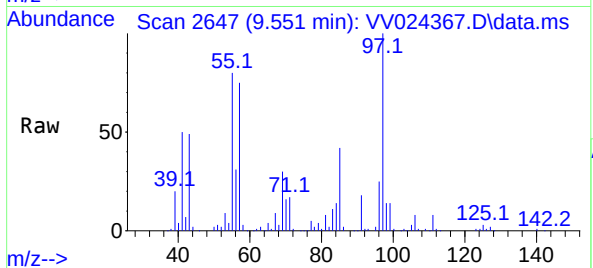
ClientSampleId :

Tgt Ion:106 Resp: 6303

Ion Ratio Lower Upper

106 100

91 235.2 150.9 280.3



#57

1,1,2,2-Tetrachloroethane

Concen: 29.116 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV024367.D

Acq: 14 Jan 2022 17:38

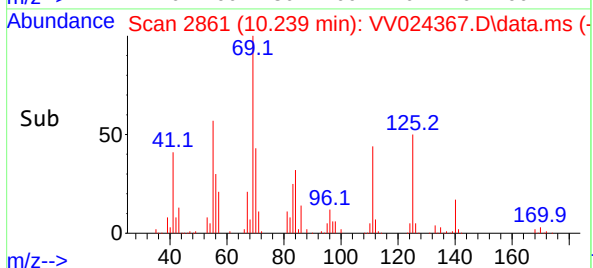
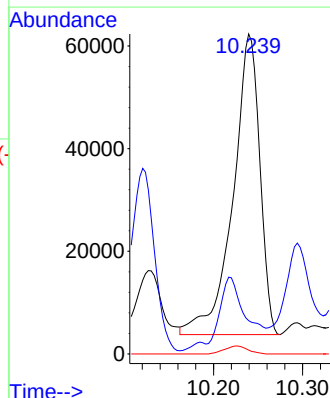
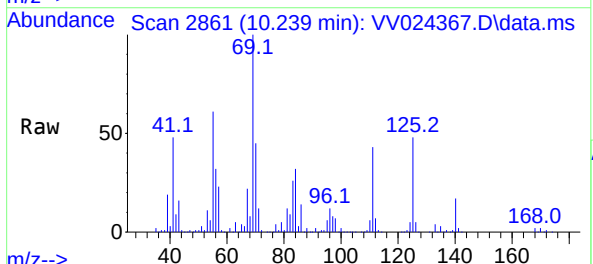
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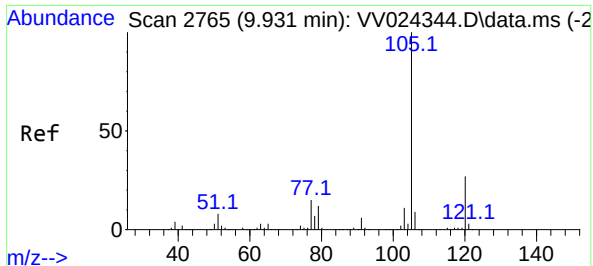
Ion Ratio Lower Upper

83 100

85 10.4 44.5 82.7#

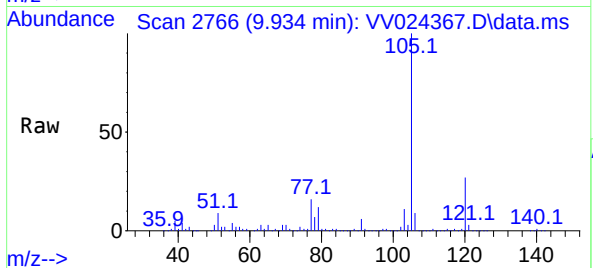
131 1.2 9.2 13.8#



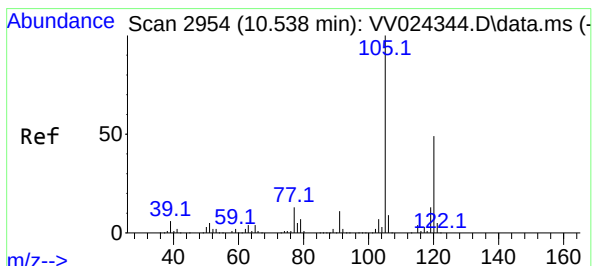
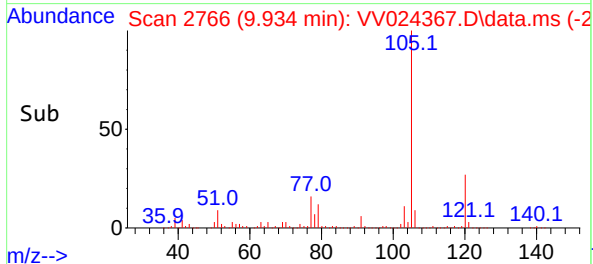
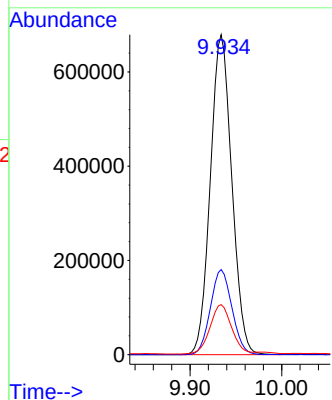


#60
Isopropylbenzene
Concen: 92.832 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

Instrument :
MSVOA_V
ClientSampleId :

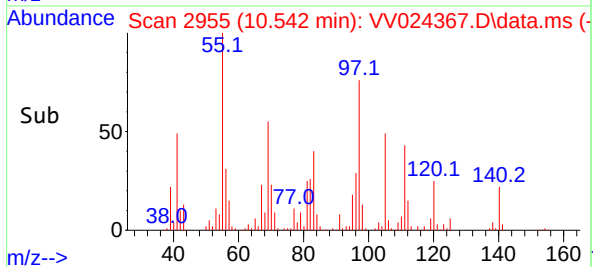
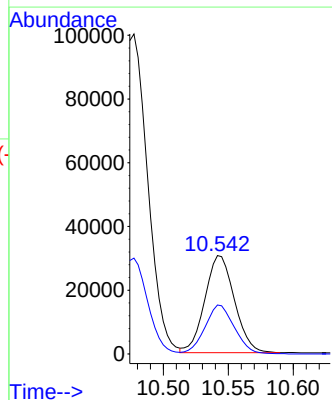
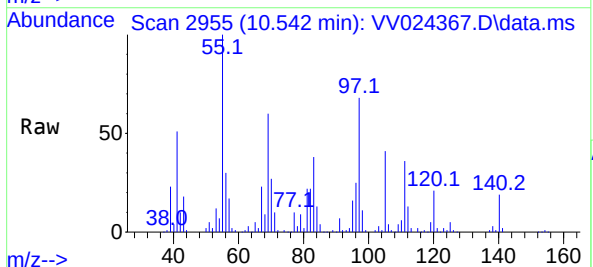


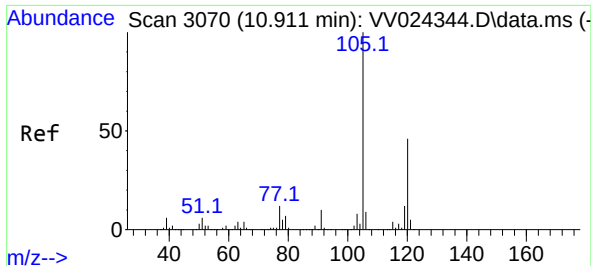
Tgt Ion:105 Resp: 1103963
Ion Ratio Lower Upper
105 100
120 26.7 21.9 32.9
77 15.6 11.9 17.9



#62
1,3,5-Trimethylbenzene
Concen: 4.725 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

Tgt Ion:105 Resp: 48332
Ion Ratio Lower Upper
105 100
120 49.4 39.4 59.2

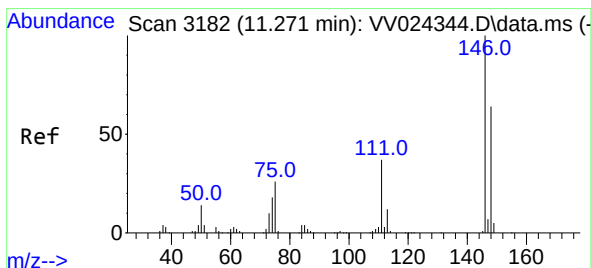
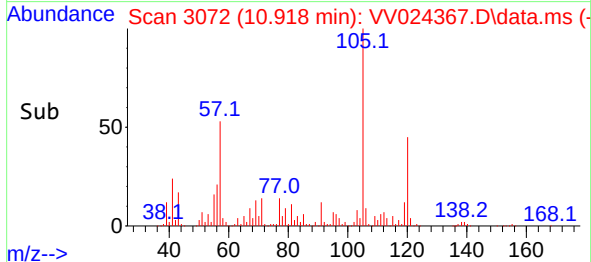
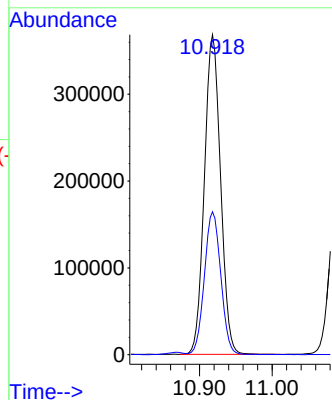
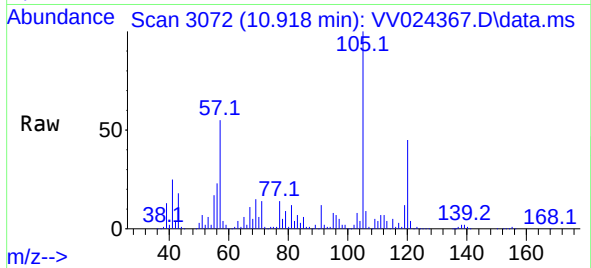




#63
1,2,4-Trimethylbenzene
Concen: 55.844 ug/L
RT: 10.918 min Scan# 3070
Delta R.T. 0.006 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

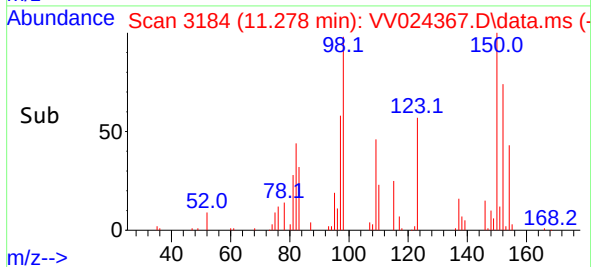
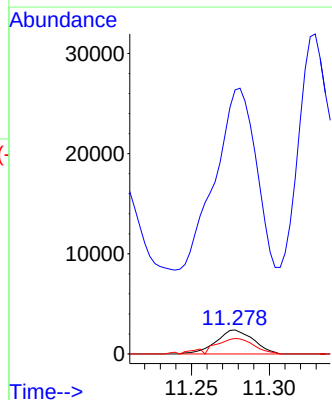
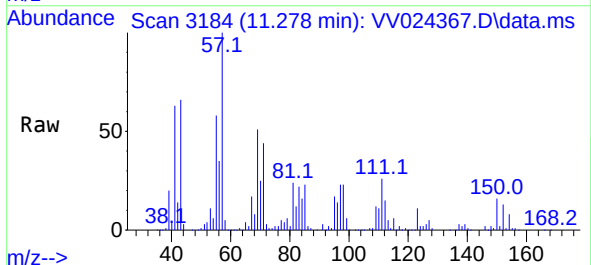
Instrument :
MSVOA_V
ClientSampleId :

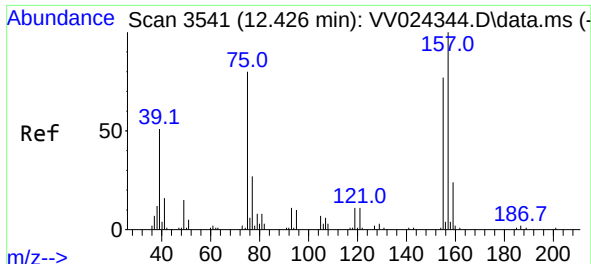
Tgt Ion:105 Resp: 570304
Ion Ratio Lower Upper
105 100
120 45.0 36.6 55.0



#65
1,4-Dichlorobenzene
Concen: 0.632 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

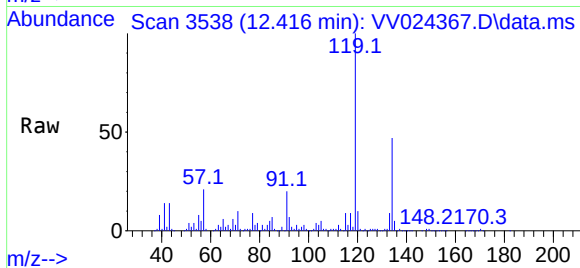
Tgt Ion:146 Resp: 3995
Ion Ratio Lower Upper
146 100
111 1100.8 26.5 49.3#
148 65.0 44.9 83.5



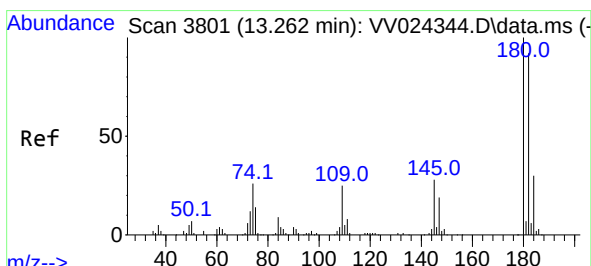
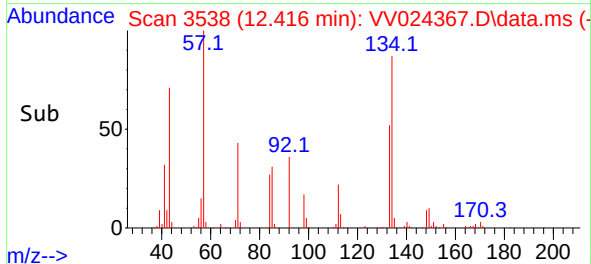
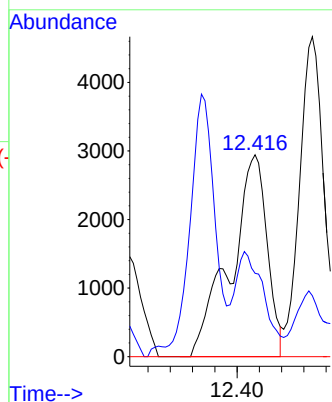


#68
1,2-Dibromo-3-chloropropane
Concen: 7.387 ug/L
RT: 12.416 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

Instrument :
MSVOA_V
ClientSampleId :

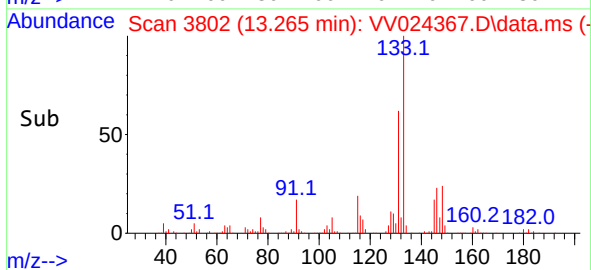
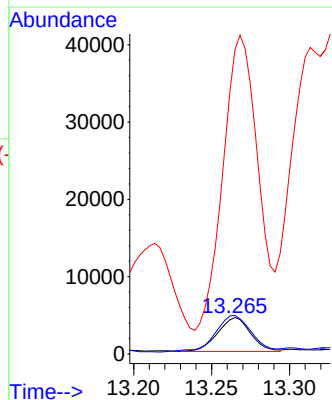
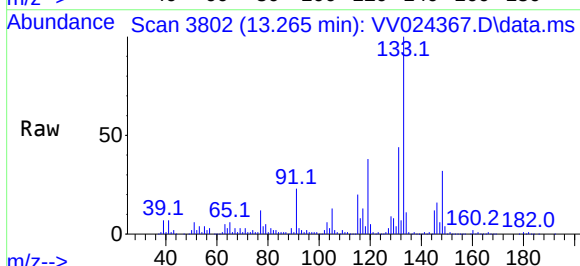


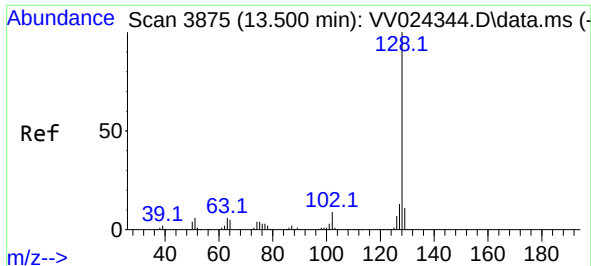
Tgt Ion: 75 Resp: 6714
Ion Ratio Lower Upper
75 100
155 41.3 73.2 109.8#
157 0.0 98.5 147.7#



#70
1,2,4-trichlorobenzene
Concen: 1.583 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.003 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

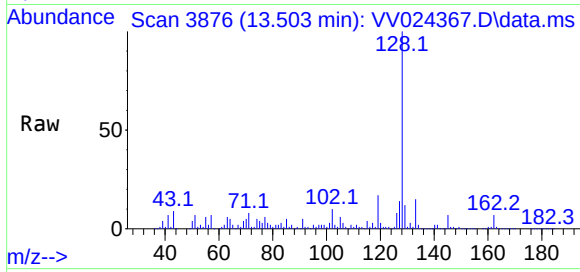
Tgt Ion:180 Resp: 6385
Ion Ratio Lower Upper
180 100
182 100.3 75.6 113.4
145 930.5 23.9 35.9#





#71
Naphthalene
Concen: 42.363 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV024367.D
Acq: 14 Jan 2022 17:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 494368
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 13.6 8.7 13.1#

