

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036566.D
 Acq On : 30 Mar 2021 12:19
 Operator : SY/AP
 Sample : M1868-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:58:00 AM

Quant Time: Mar 31 16:22:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1374364	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3098412	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2775518	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2259804	10.22	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	57641	0.257	ppbv	98
3) Chlorodifluoromethane	2.98	51	64887	0.253	ppbv	93
4) Chloromethane	3.12	50	44723	0.493	ppbv	90
9) Propene	3.00	41	104464m	1.276	ppbv	
11) Trichlorofluoromethane	3.93	101	60811m	0.266	ppbv	
13) Ethanol	3.58	45	498373m	51.124	ppbv	
15) Acetone	3.83	43	1147038m	8.480	ppbv	
19) Isopropyl Alcohol	3.95	45	261320	3.512	ppbv #	1
20) Methylene Chloride	4.32	84	491577	7.762	ppbv	97
26) Hexane	5.66	57	568861	3.812	ppbv #	50
29) Chloroform	5.72	83	33759m	0.141	ppbv	
34) 2-Butanone	5.22	43	127881	0.846	ppbv	99
35) Carbon Tetrachloride	6.99	117	14446m	0.061	ppbv	
36) Benzene	6.86	78	48265m	0.169	ppbv	
52) Tetrachloroethene	11.19	164	7202m	0.068	ppbv	
53) Toluene	9.78	91	521689	1.714	ppbv	97
58) Ethyl Benzene	12.69	91	135677m	0.336	ppbv	
59) m/p-Xylene	12.94	91	218309m	0.620	ppbv	
60) o-Xylene	13.67	91	95073	0.279	ppbv	99
61) Styrene	13.51	104	88070m	0.514	ppbv	
74) 1,2,4-Trimethylbenzene	16.73	105	71680m	0.192	ppbv	

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

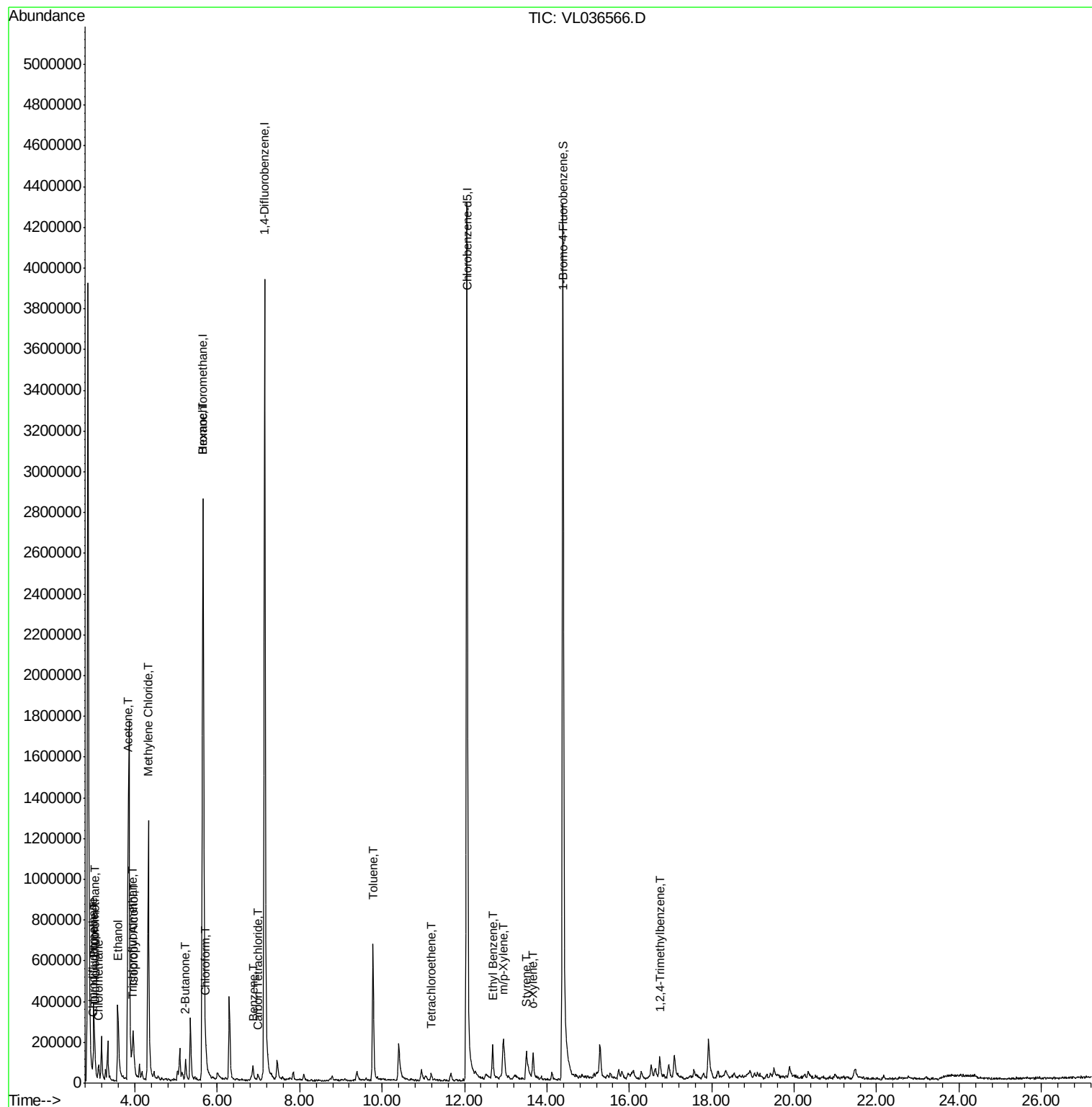
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036566.D
Acq On : 30 Mar 2021 12:19
Operator : SY/AP
Sample : M1868-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

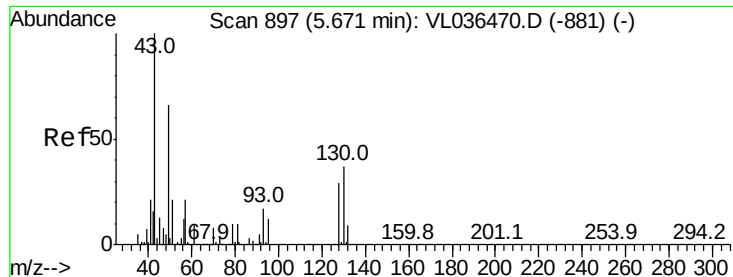
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Quant Time: Mar 31 16:22:57 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036566.D

Acq: 30 Mar 2021 12:19

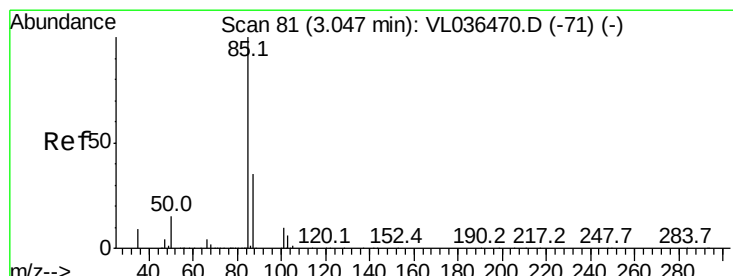
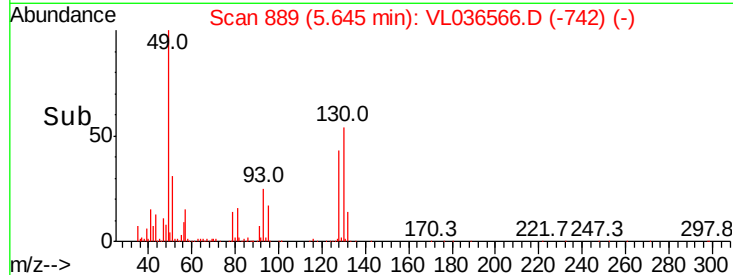
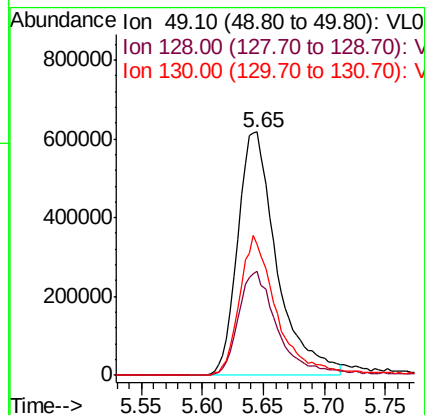
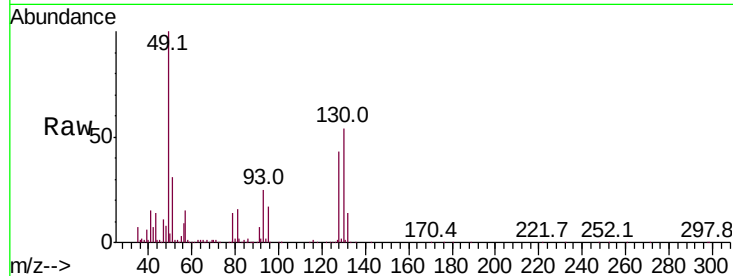
Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion: 49 Resp: 1374364

Ion	Ratio	Lower	Upper
49	100		
128	43.7	23.5	70.6
130	56.1	29.1	87.4

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#2

Dichlorodifluoromethane

Concen: 0.257 ppbv

RT: 3.03 min Scan# 77

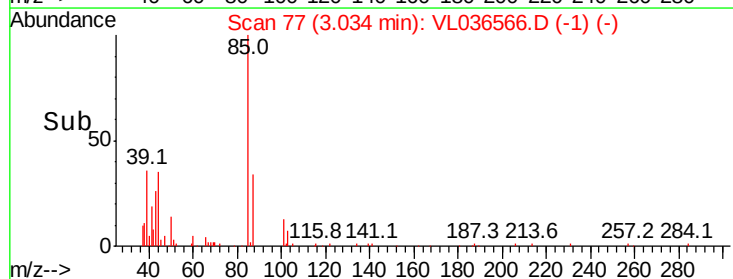
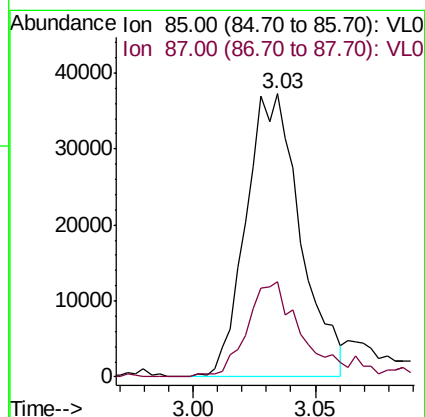
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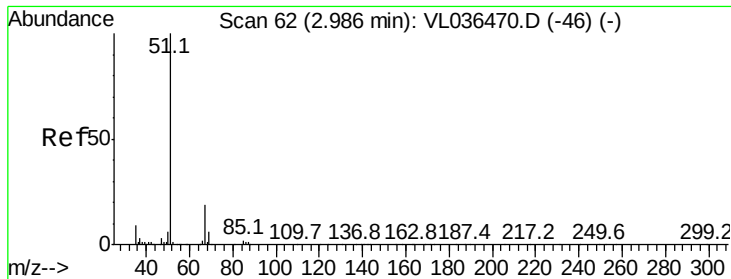
Lab File: VL036566.D

Acq: 30 Mar 2021 12:19

Tgt Ion: 85 Resp: 57641

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.8	41.8





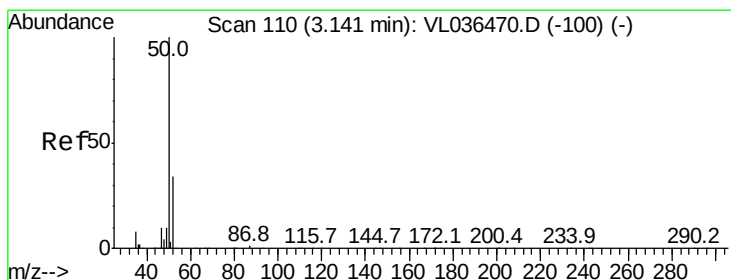
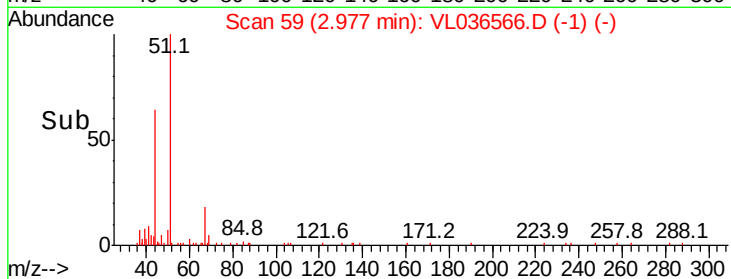
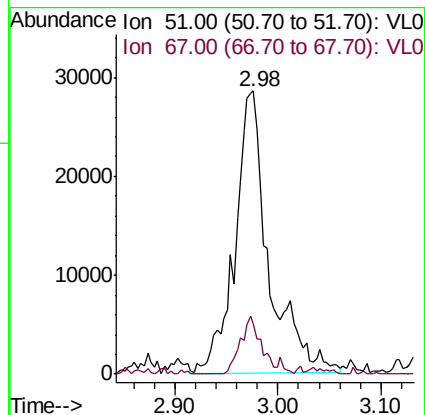
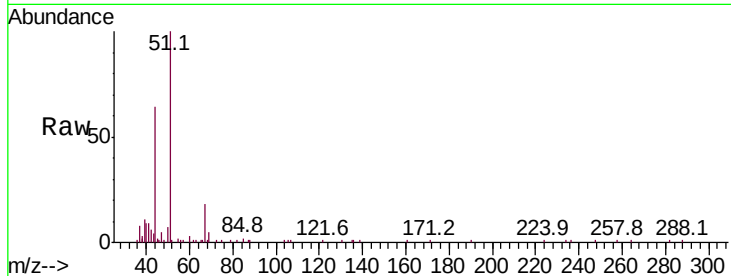
#3
Chlorodifluoromethane
Concen: 0.253 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.1	14.7	22.1

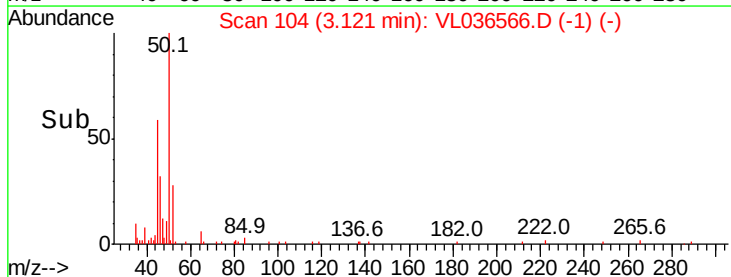
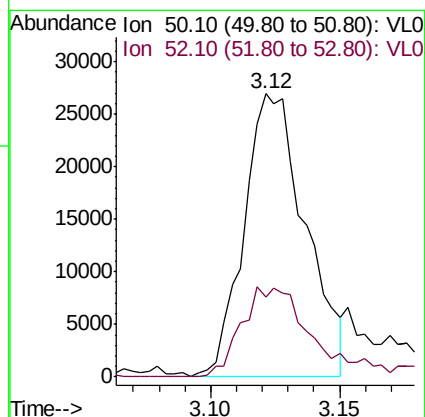
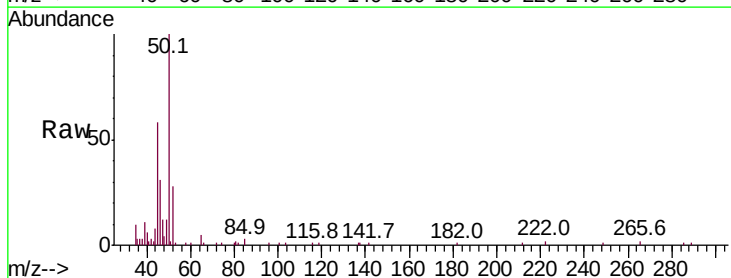
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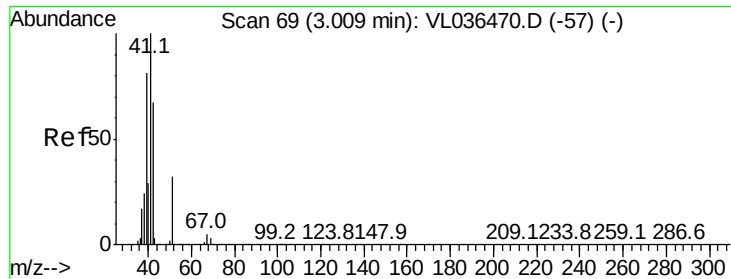
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#4
Chloromethane
Concen: 0.493 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.2	27.0	40.6





#9

Propene

Concen: 1.276 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036566.D

Acq: 30 Mar 2021 12:19

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 41 Resp: 104464

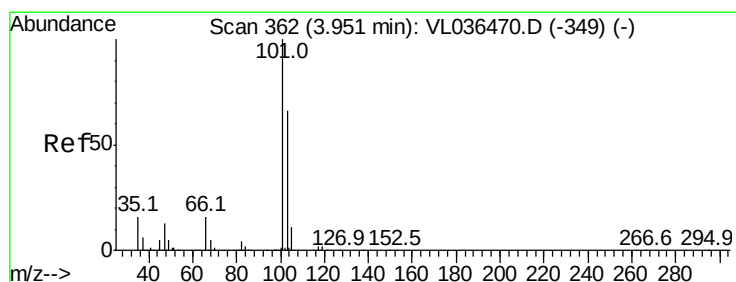
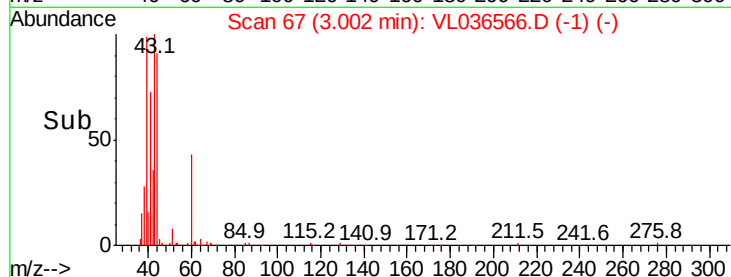
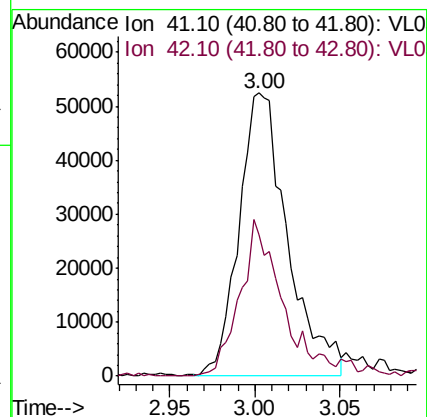
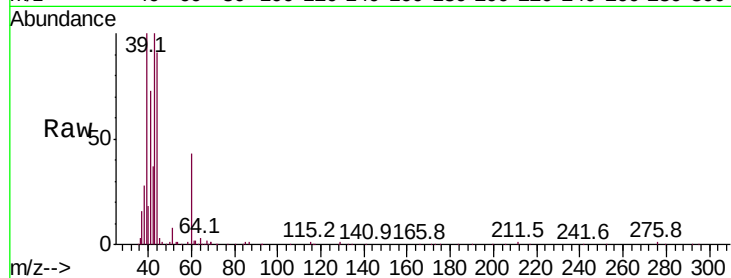
Ion Ratio Lower Upper

41 100

42 51.0 57.0 85.4#

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4/1/2021 10:58:00 AM



#11

Trichlorofluoromethane

Concen: 0.266 ppbv m

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL036566.D

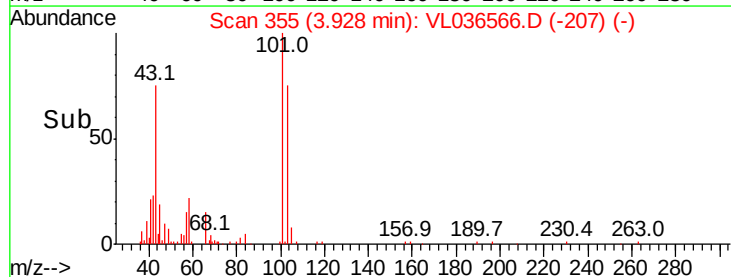
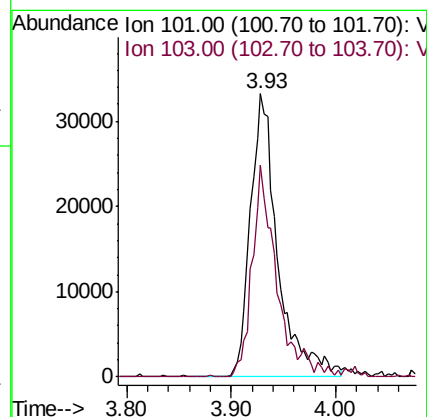
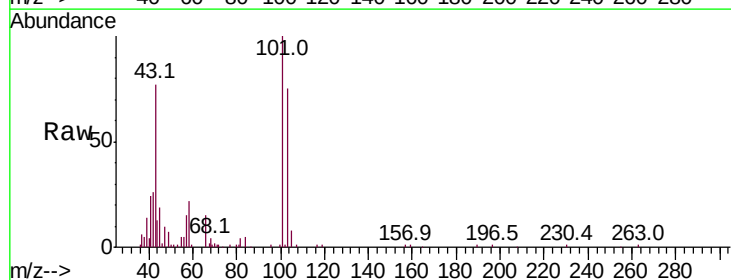
Acq: 30 Mar 2021 12:19

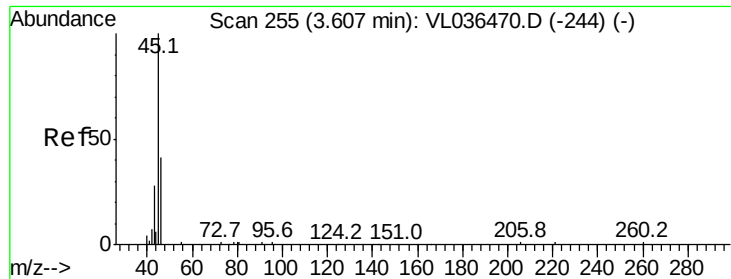
Tgt Ion: 101 Resp: 60811

Ion Ratio Lower Upper

101 100

103 74.7 52.5 78.7





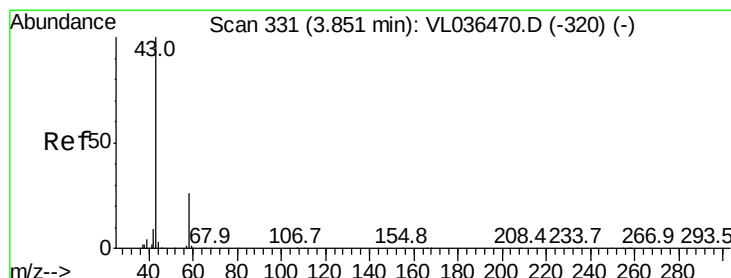
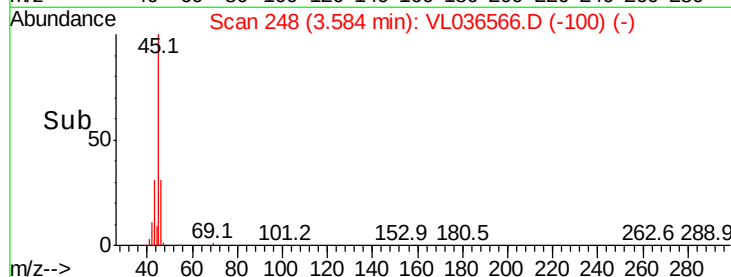
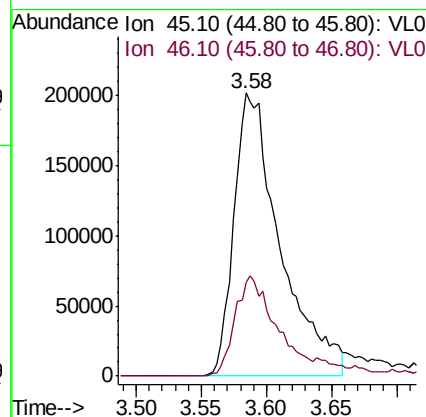
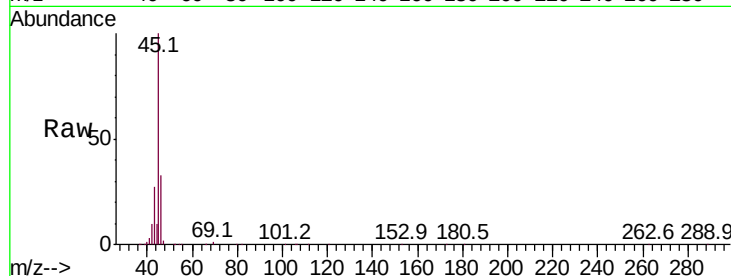
#13
Ethanol
Concen: 51.124 ppbv m
RT: 3.58 min Scan# 248
Delta R.T. -0.02 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#

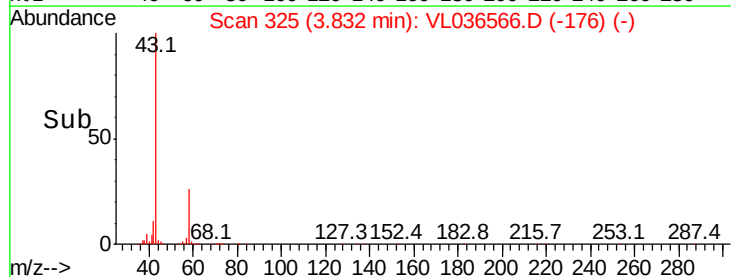
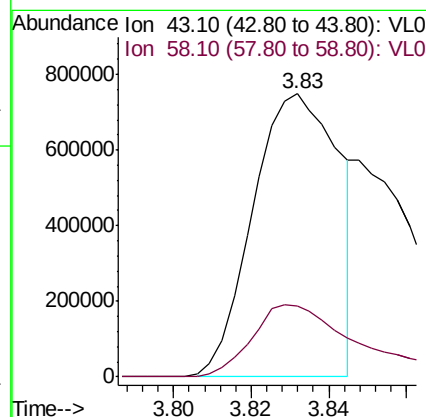
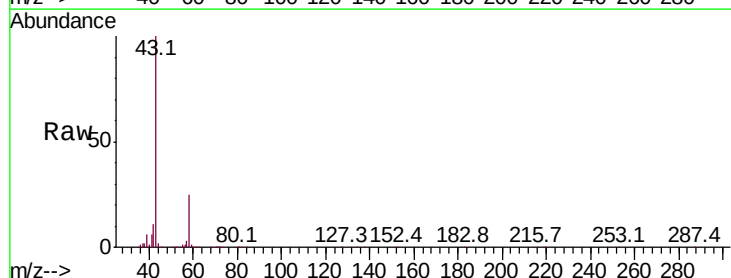
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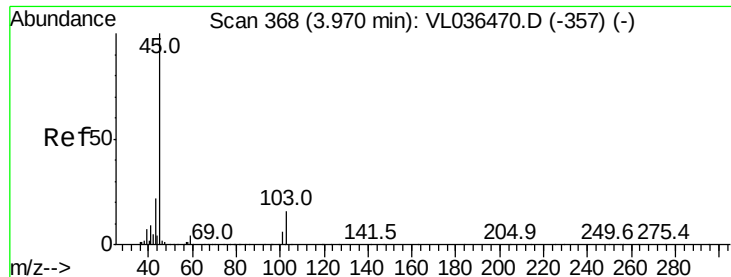
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#15
Acetone
Concen: 8.480 ppbv m
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	21.2	31.8#





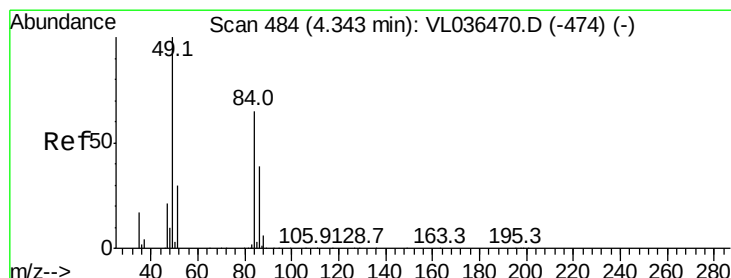
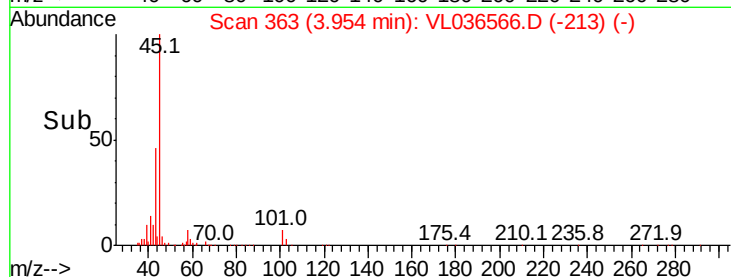
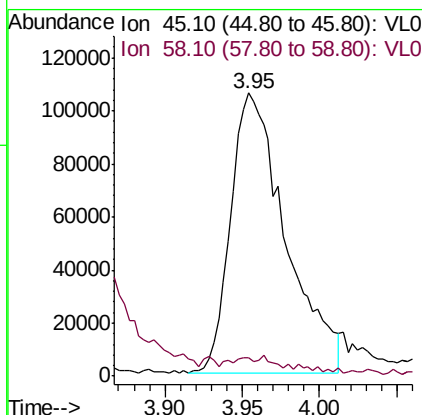
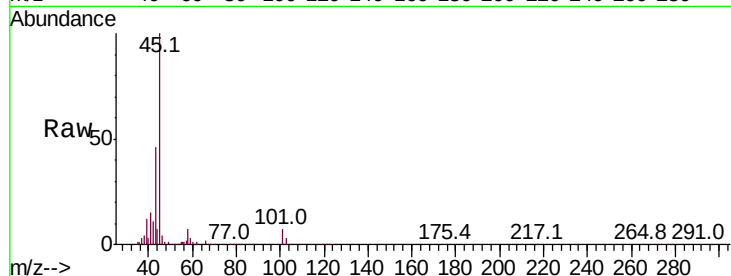
#19
Isopropyl Alcohol
Concen: 3.512 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
45	100		
58	161.8	2.9	4.3#

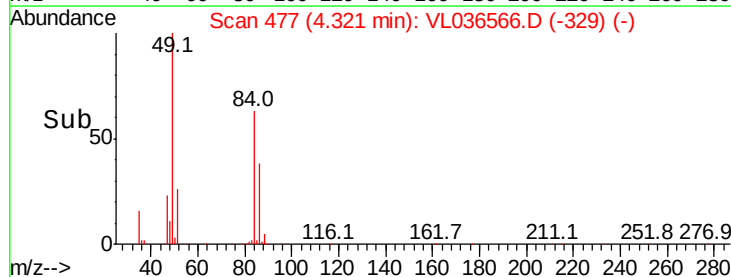
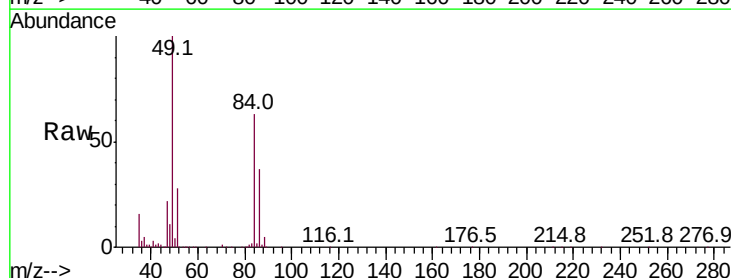
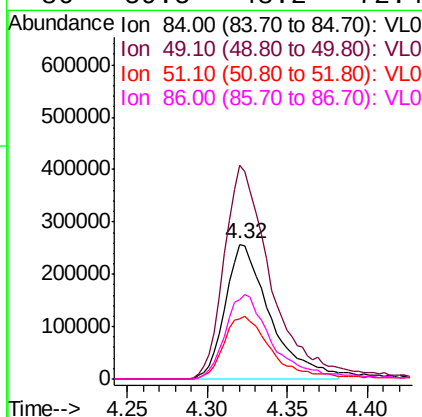
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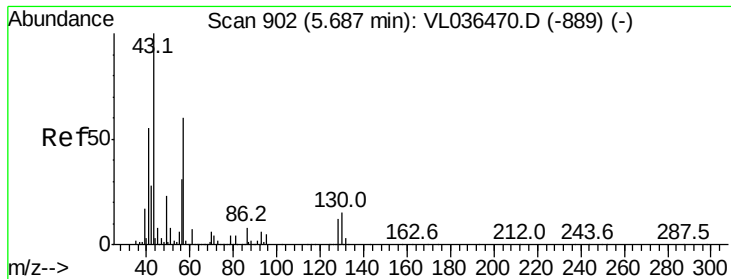
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#20
Methylene Chloride
Concen: 7.762 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.9	122.9	184.3
51	44.3	36.9	55.3
86	59.5	48.2	72.4





#26

Hexane

Concen: 3.812 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL036566.D

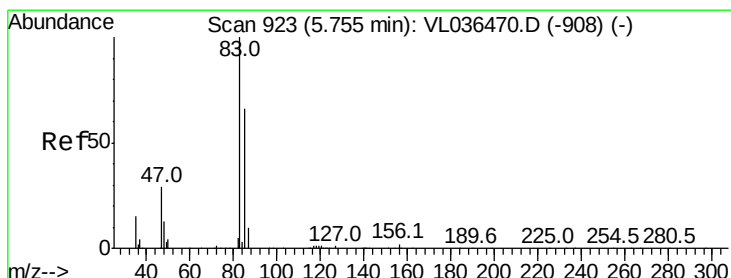
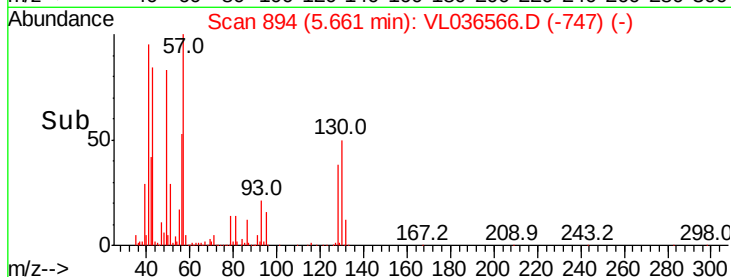
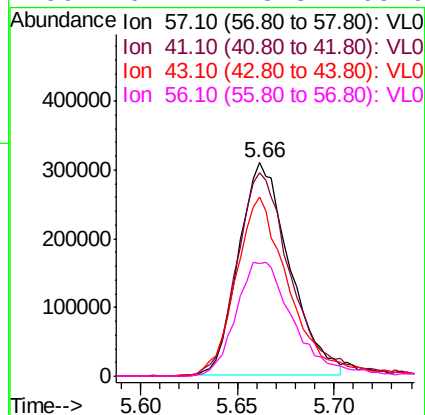
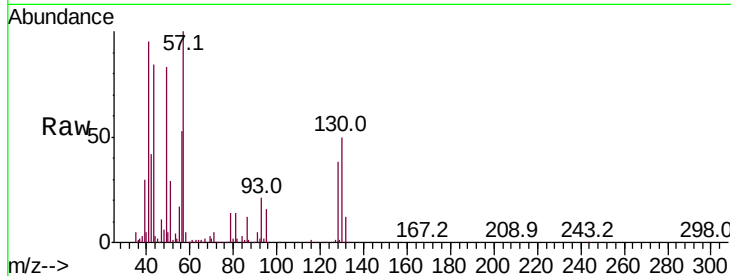
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	57	Resp	568861
Ion Ratio	Lower	Upper	
57	100		
41	103.4	77.2	115.8
43	90.1	173.8	260.6#
56	61.4	43.8	65.6

Manual Integrations
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#29

Chloroform

Concen: 0.141 ppbv m

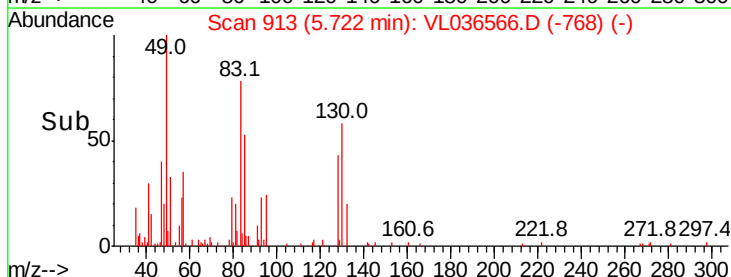
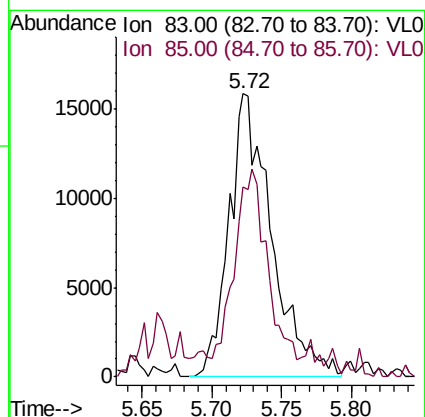
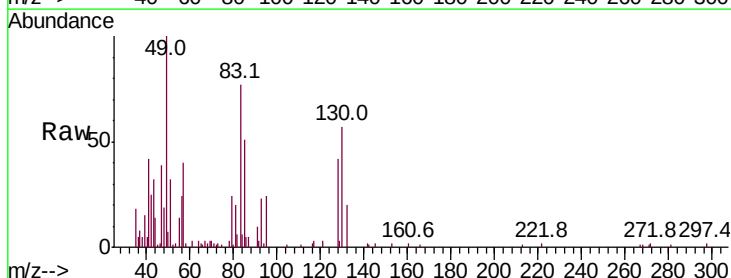
RT: 5.72 min Scan# 913

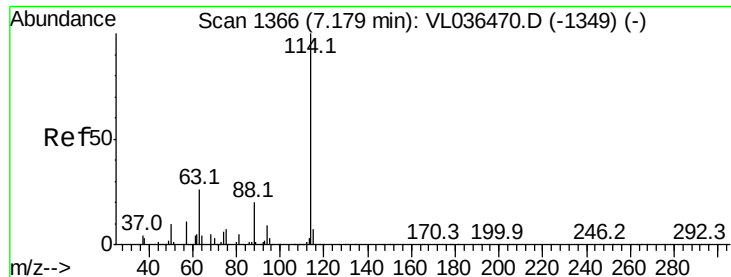
Delta R.T. -0.03 min

Lab File: VL036566.D

Acq: 30 Mar 2021 12:19

Tgt Ion	83	Resp	33759
Ion Ratio	Lower	Upper	
83	100		
85	67.2	52.6	78.8





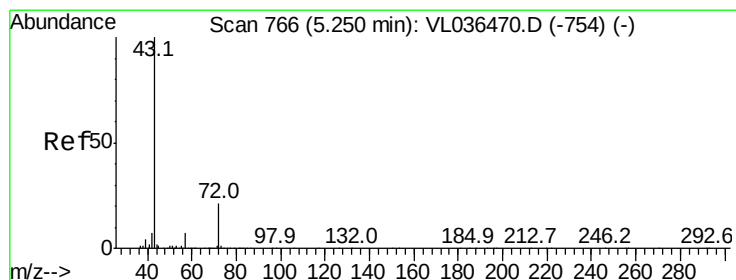
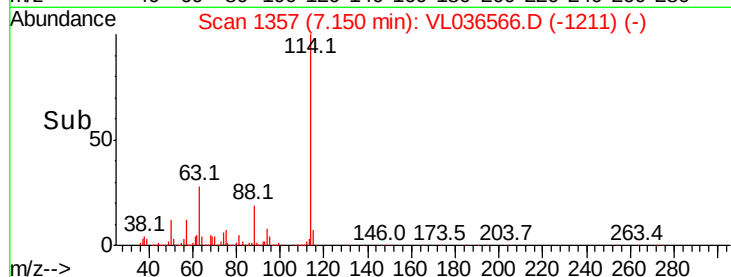
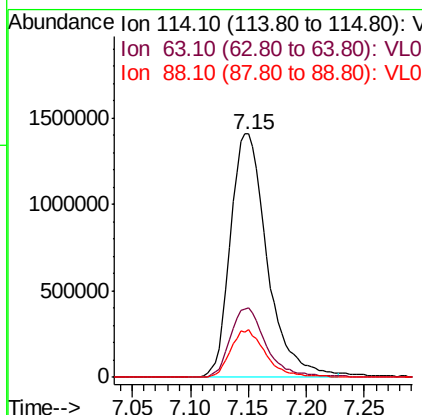
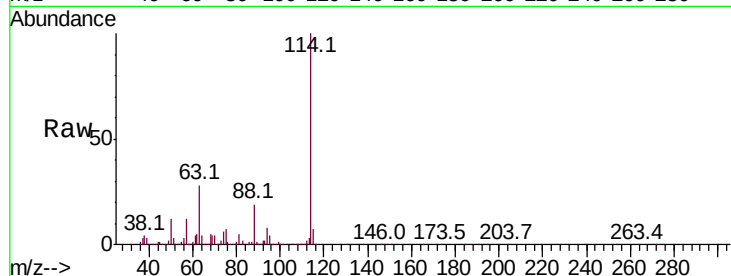
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036566.D
 Acq: 30 Mar 2021 12:19

Instrument :
 MSVOA_L
 ClientSampled :
 IA2

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.4	33.6
88	18.9	15.4	23.0

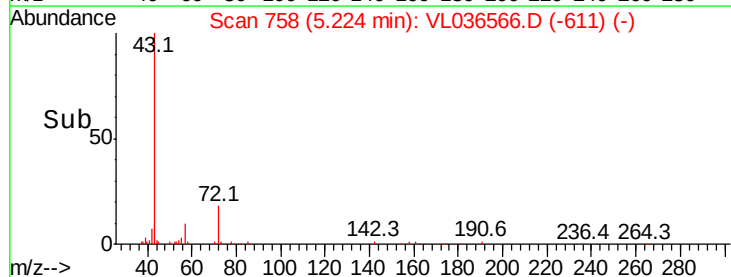
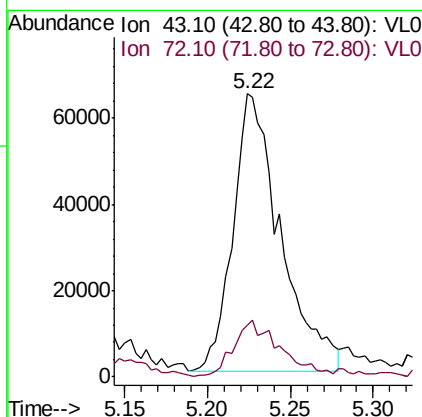
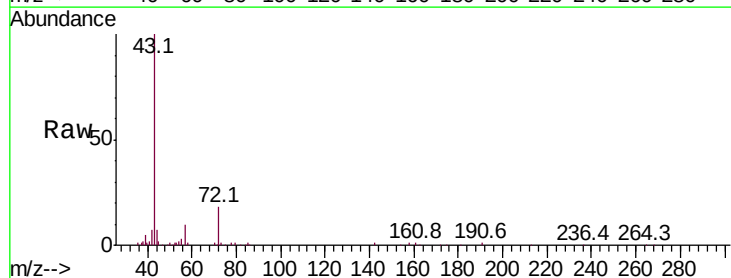
Manual Integrations
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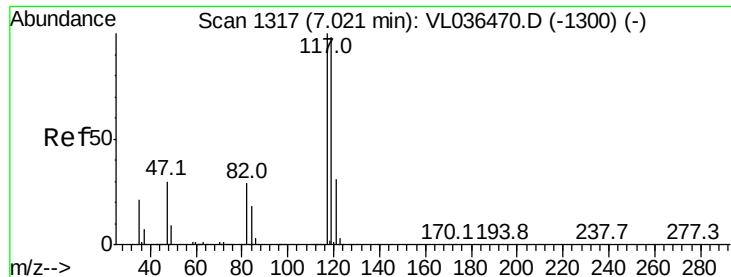
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#34
 2-Butanone
 Concen: 0.846 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: VL036566.D
 Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.0	25.6





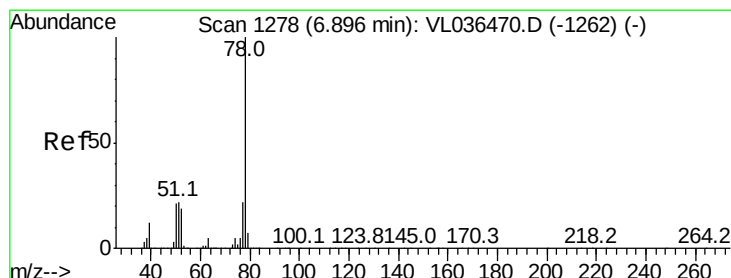
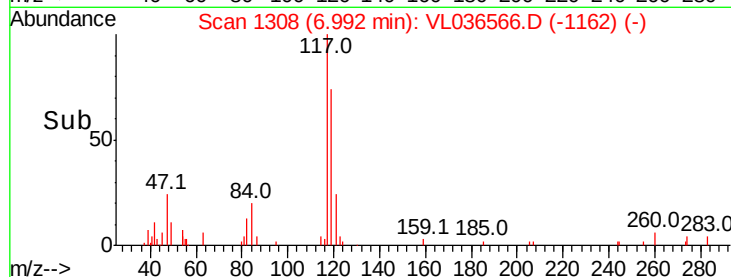
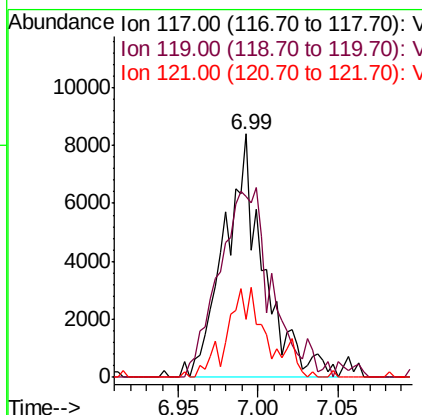
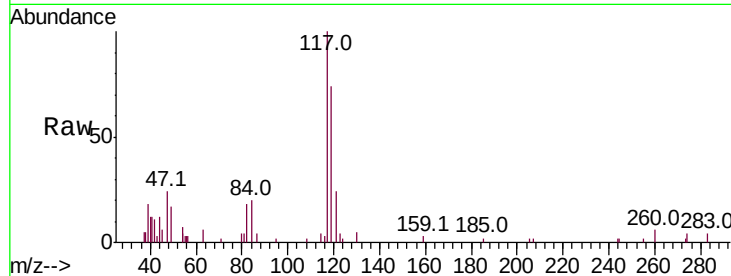
#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.99 min Scan# 1308
Delta R.T. -0.03 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
117	100		
119	74.1	78.2	117.2#
121	24.0	24.5	36.7#

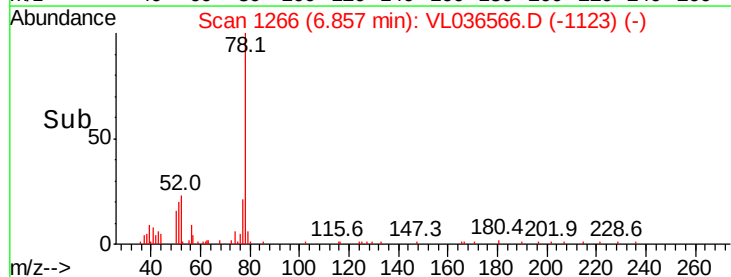
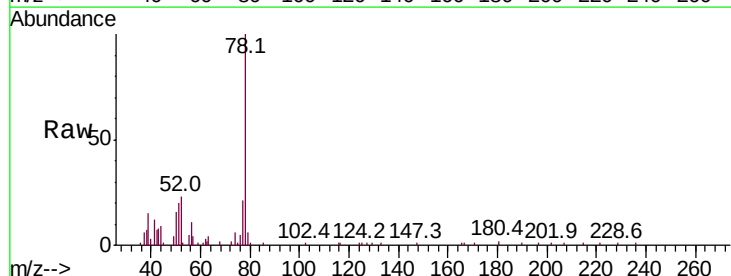
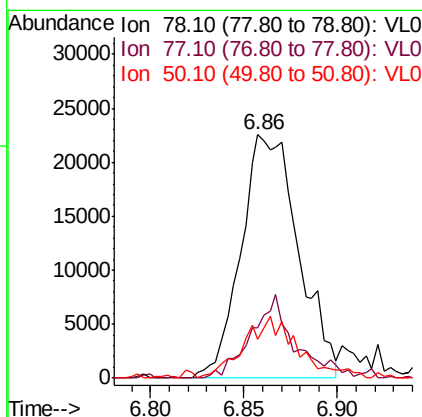
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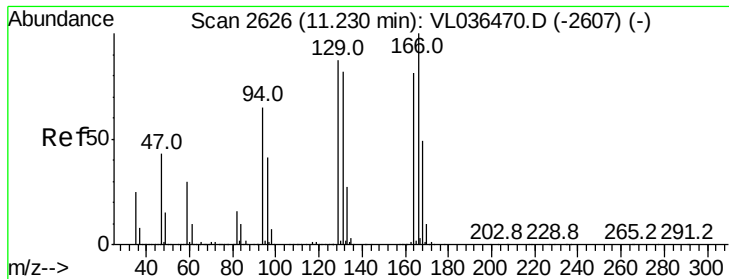
MMDadoda
4/1/2021 10:58:00 AM



#36
Benzene
Concen: 0.169 ppbv m
RT: 6.86 min Scan# 1266
Delta R.T. -0.04 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.0	27.0
50	16.0	16.5	24.7#





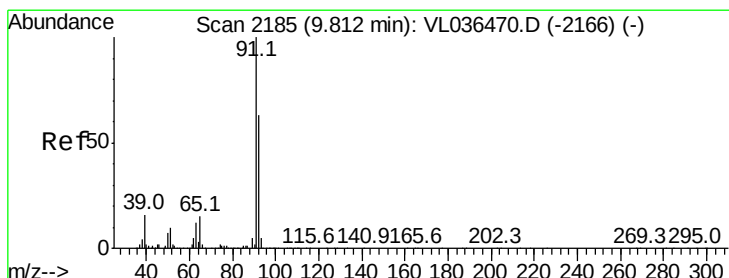
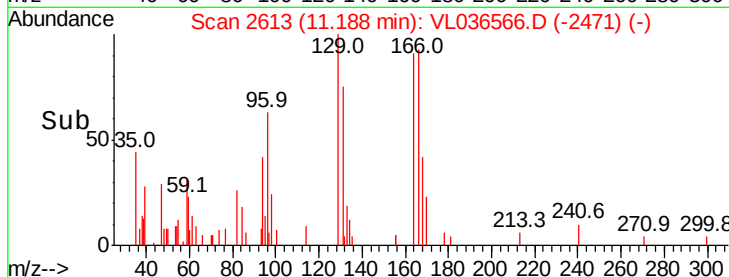
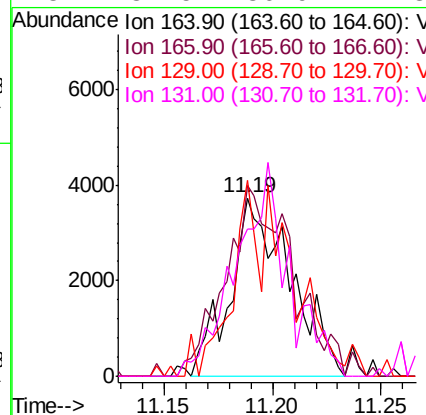
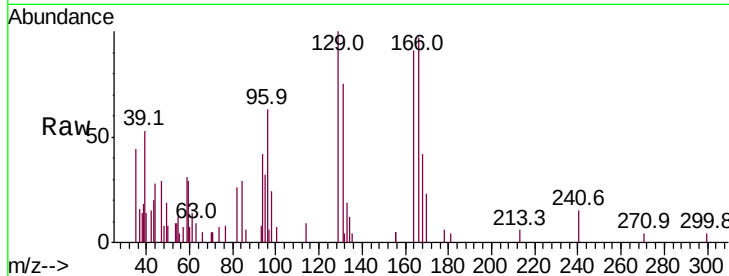
#52
Tetrachloroethene
Concen: 0.068 ppbv m
RT: 11.19 min Scan# 2613
Delta R.T. -0.04 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.1	98.3	147.5
129	109.9	85.8	128.8
131	82.5	80.9	121.3

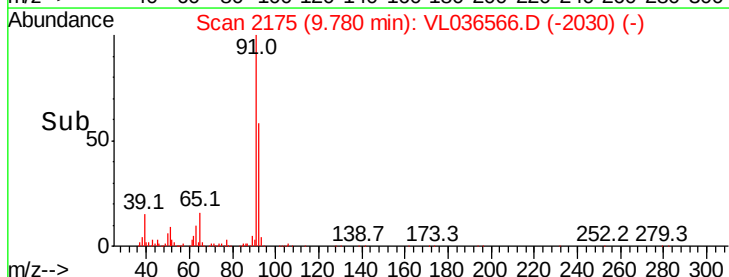
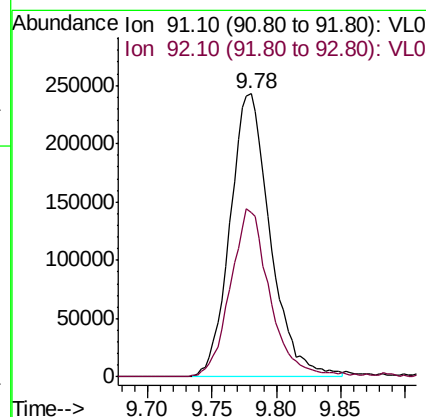
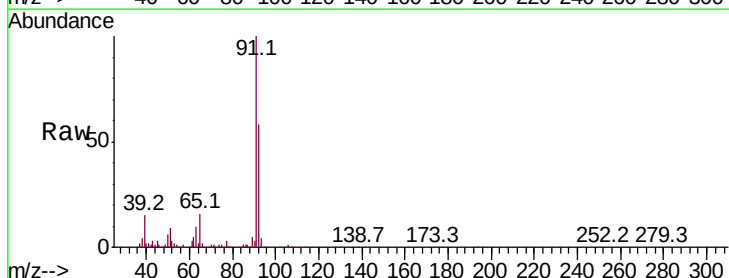
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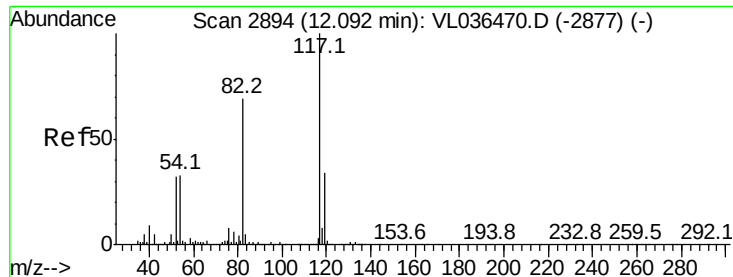
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4/1/2021 10:58:00 AM



#53
Toluene
Concen: 1.714 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.8	73.2





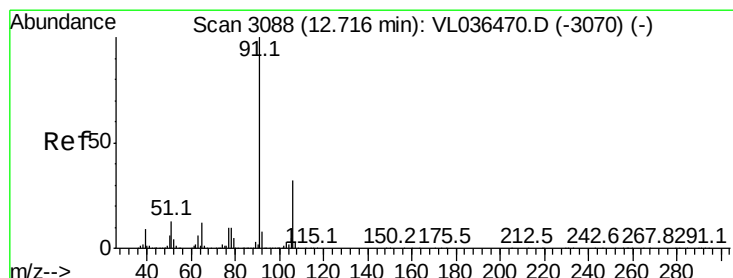
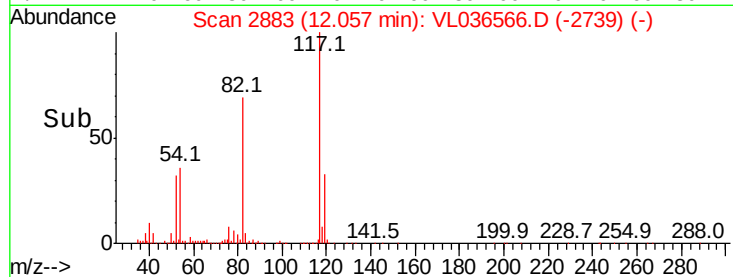
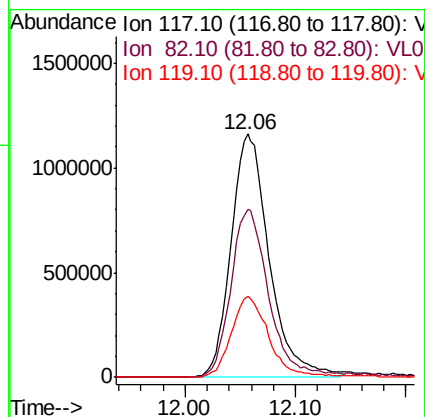
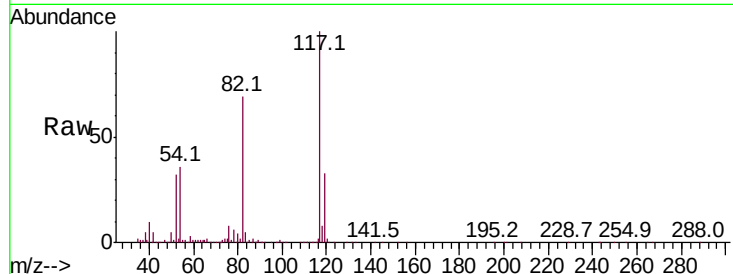
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.4	86.0
119	33.5	47.4	71.0#

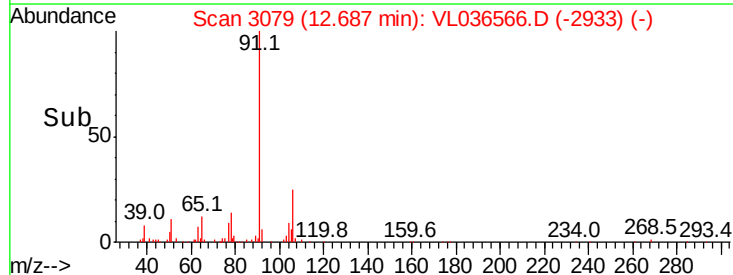
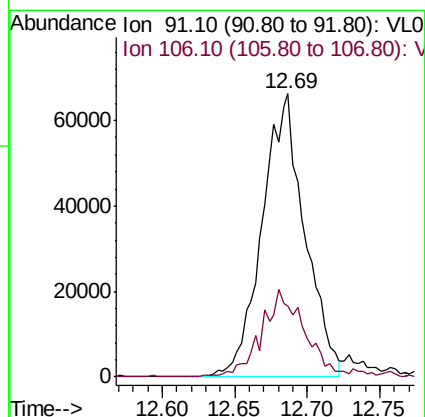
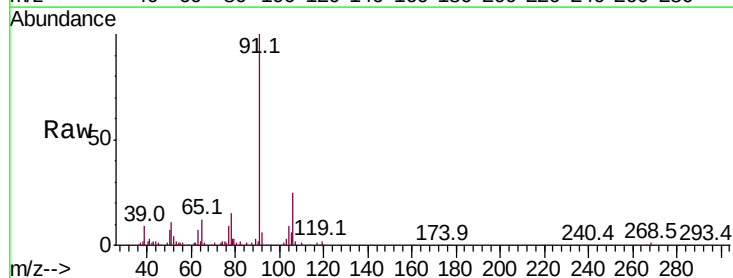
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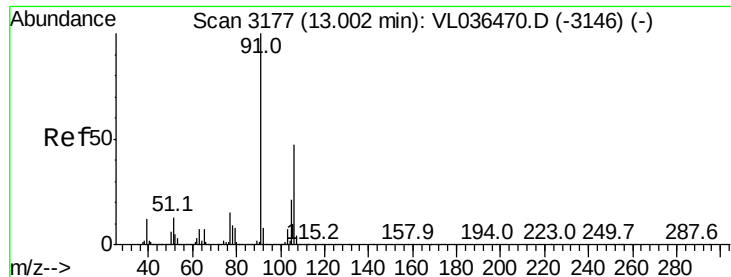
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#58
Ethyl Benzene
Concen: 0.336 ppbv m
RT: 12.69 min Scan# 3079
Delta R.T. -0.03 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.8	25.3	37.9#





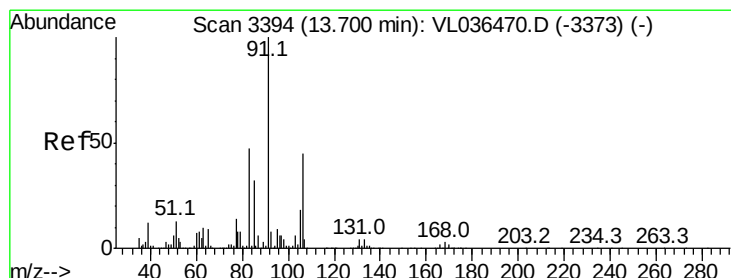
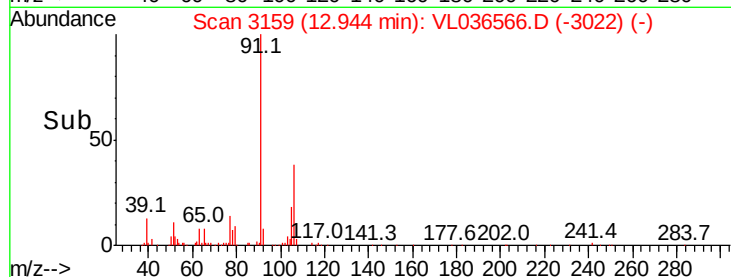
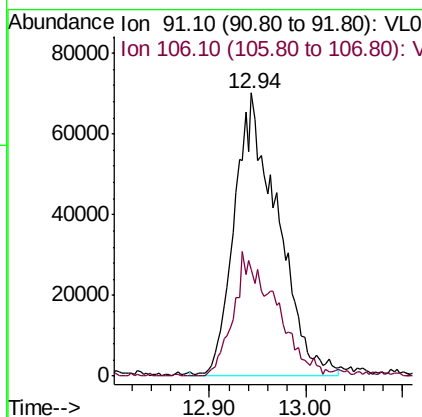
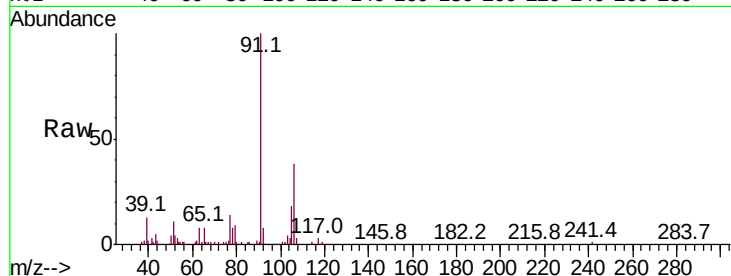
#59
m/p-Xylene
Concen: 0.620 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.06 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	91	106	Ratio	Lower	Upper
218309	100	43.0		35.3	52.9

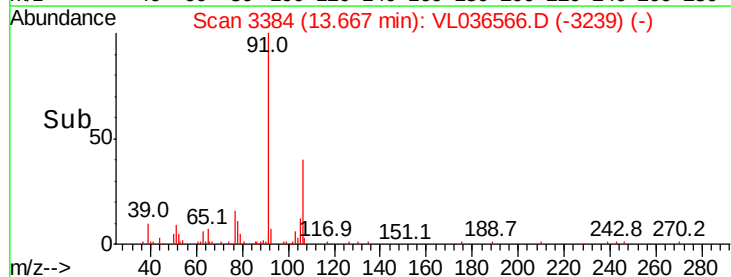
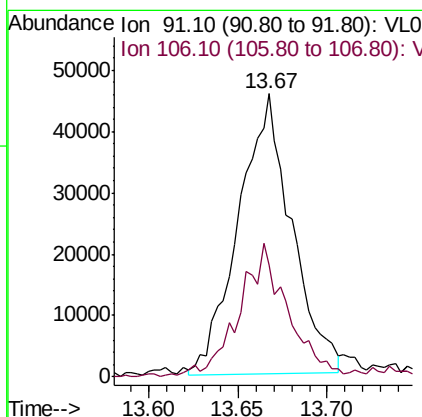
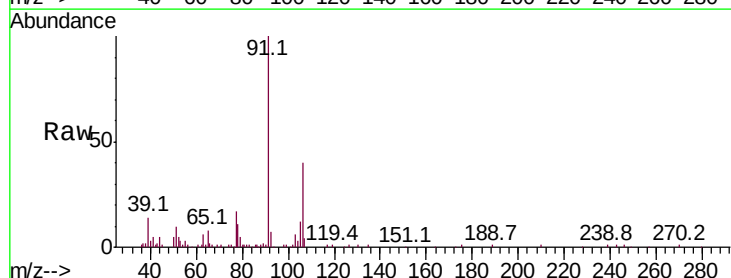
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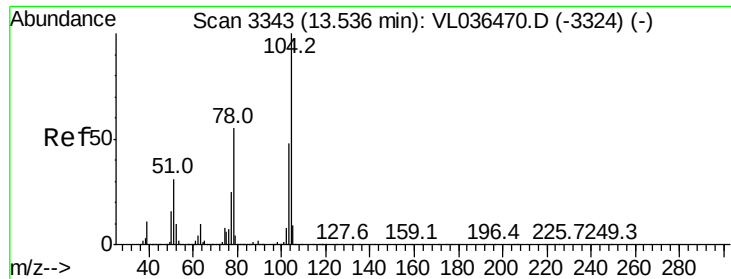
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#60
o-Xylene
Concen: 0.279 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	91	106	Ratio	Lower	Upper
95073	100	44.3		22.3	66.9





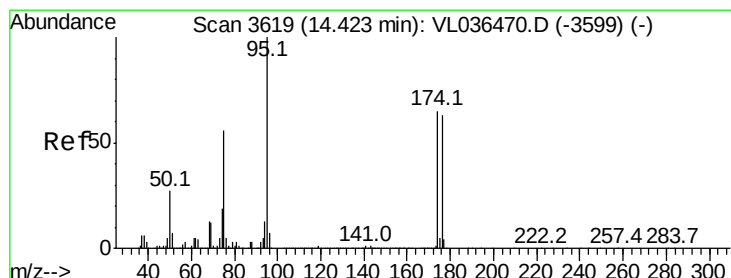
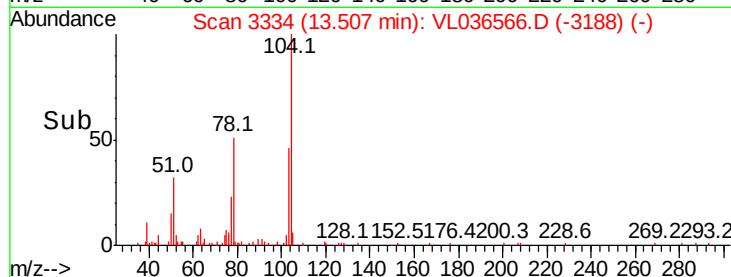
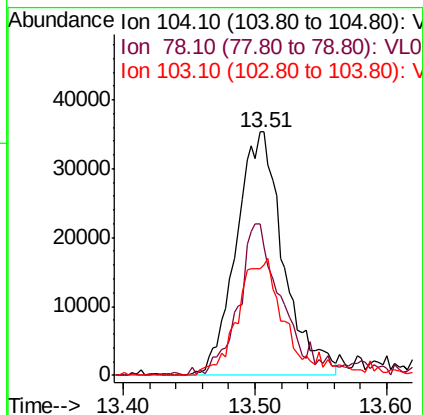
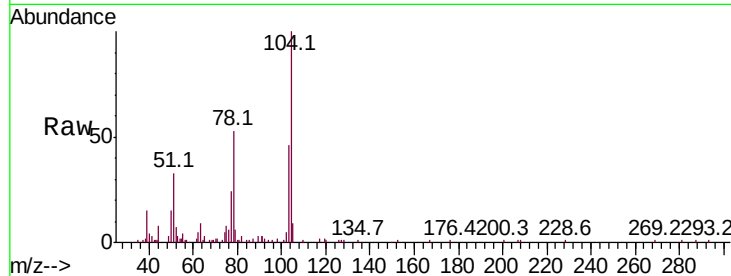
#61
Stvrene
Concen: 0.514 ppbv m
RT: 13.51 min Scan# 3334
Delta R.T. -0.03 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.6	43.8	65.8
103	0.0	38.3	57.5#

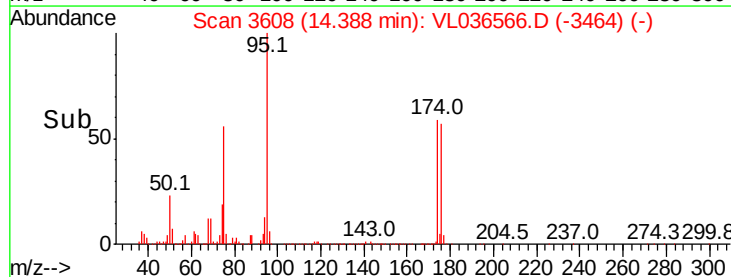
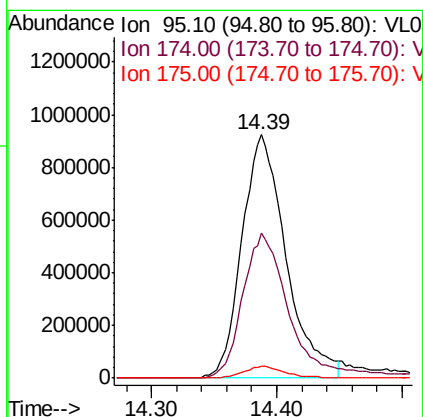
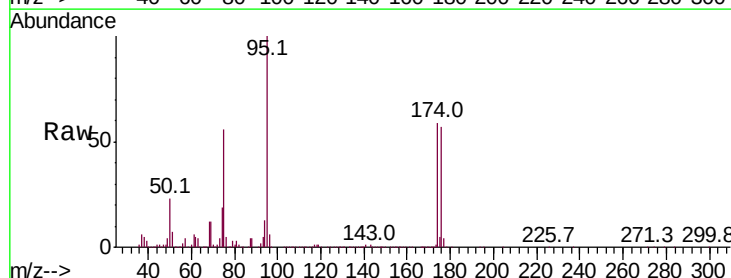
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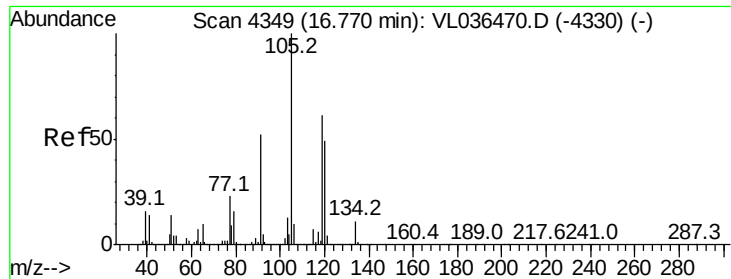
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.216 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL036566.D
Acq: 30 Mar 2021 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.0	76.6
175	4.7	3.9	5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.192 ppbv m
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.04 min
 Lab File: VL036566.D
 Acq: 30 Mar 2021 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tot Ion:	105	Resp:	71680
Ion Ratio	Lower	Upper	
105	100		
120	40.9	39.2	58.8
91	12.4	42.6	64.0#
77	12.0	18.6	28.0#

Manual Integrations
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MMDadoda
 4/1/2021 10:58:00 AM

