

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037422.D
 Acq On : 12 Aug 2021 20:45
 Operator : SY/AP
 Sample : M3239-03RE
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1RE

Manual Integrations
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Quant Time: Aug 13 10:49:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1264179	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3860849	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3172348	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2243920	9.86	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	38245m	0.198	ppbv	
3) Chlorodifluoromethane	2.99	51	122248m	0.492	ppbv	
4) Chloromethane	3.14	50	47526m	0.533	ppbv	
9) Propene	3.02	41	60797	0.729	ppbv	94
10) Heptane	8.12	43	18818m	0.093	ppbv	
11) Trichlorofluoromethane	3.95	101	41356m	0.198	ppbv	
13) Ethanol	3.62	45	373863m	42.024	ppbv	
15) Acetone	3.85	43	627520	4.681	ppbv	96
19) Isopropyl Alcohol	3.99	45	177477m	2.275	ppbv	
20) Methylene Chloride	4.34	84	1494335	21.079	ppbv	99
26) Hexane	5.69	57	986169	5.981	ppbv #	45
27) Carbon Disulfide	4.55	76	48467	0.349	ppbv #	85
30) Cyclohexane	7.14	84	15940m	0.117	ppbv	
34) 2-Butanone	5.25	43	59798m	0.375	ppbv	
35) Carbon Tetrachloride	7.02	117	13726m	0.058	ppbv	
36) Benzene	6.89	78	91951m	0.282	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	116829	0.215	ppbv #	88
52) Tetrachloroethene	11.22	164	7926m	0.058	ppbv	
53) Toluene	9.80	91	452372m	1.217	ppbv	
59) m/p-Xylene	12.97	91	76954m	0.204	ppbv	

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

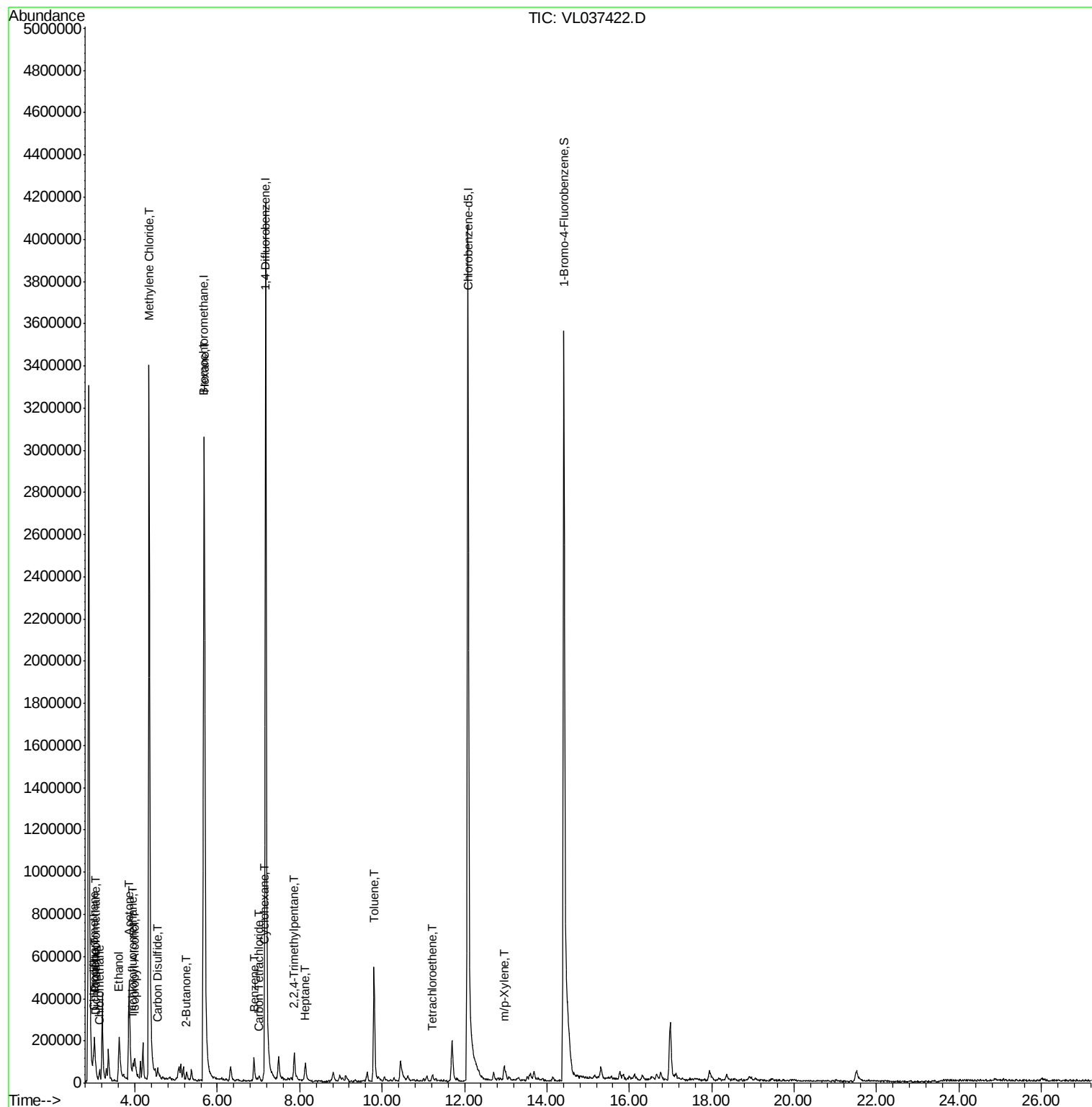
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037422.D
Acq On : 12 Aug 2021 20:45
Operator : SY/AP
Sample : M3239-03RE
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

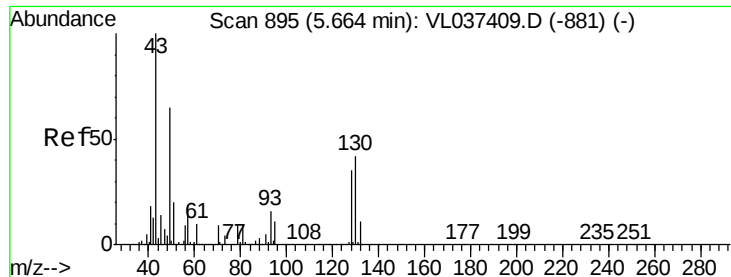
Instrument :
MSVOA_L
ClientSampleId :
OA1RE

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Quant Time: Aug 13 10:49:36 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037422.D

Acq: 12 Aug 2021 20:45

Instrument :

MSVOA_L

ClientSampleId :

QA1RE

Tot Ion: 49 Resp: 1264179

Ion Ratio Lower Upper

49 100

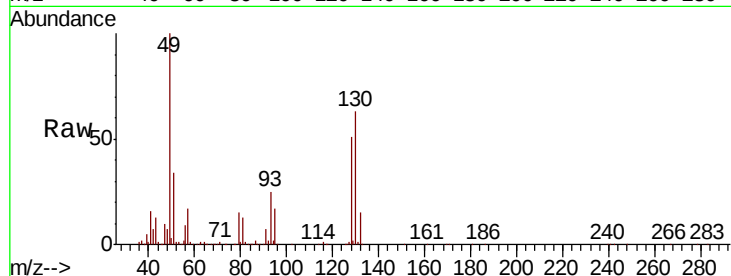
128 54.1 27.9 83.6

130 71.4 34.6 103.8

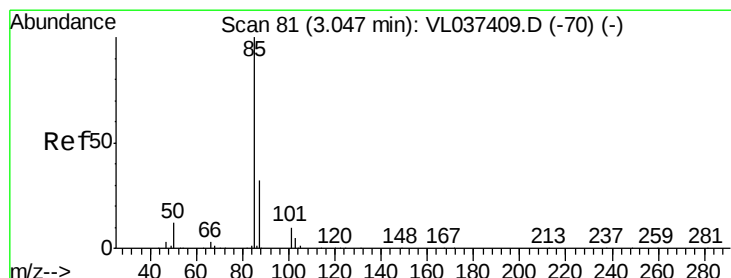
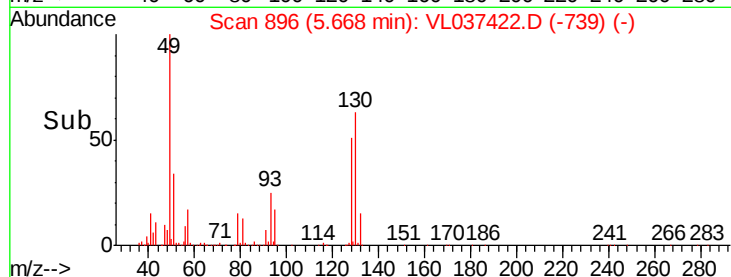
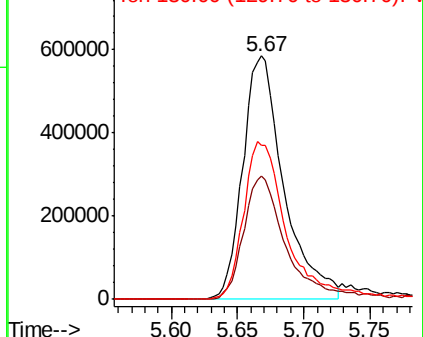
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.198 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037422.D

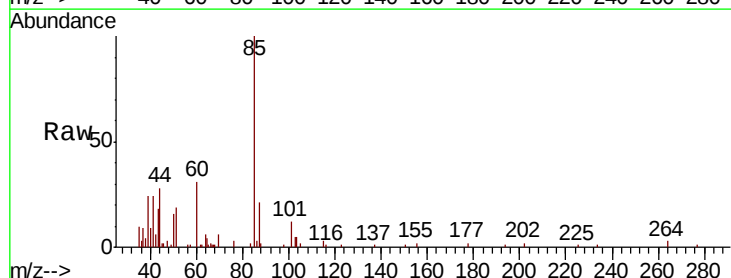
Acq: 12 Aug 2021 20:45

Tgt Ion: 85 Resp: 38245

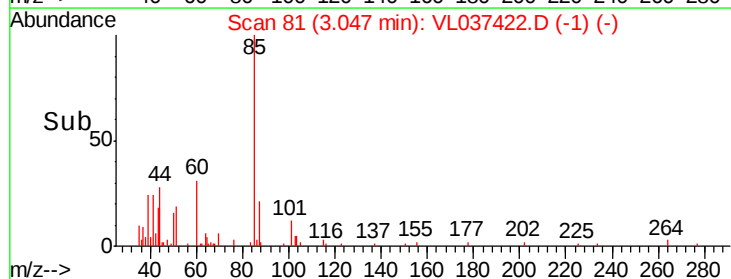
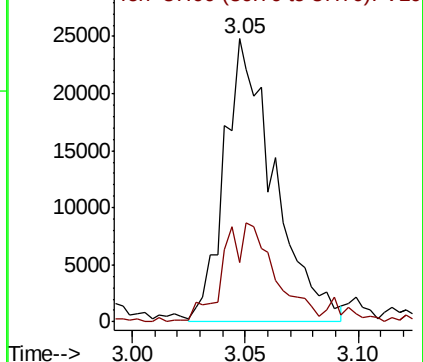
Ion Ratio Lower Upper

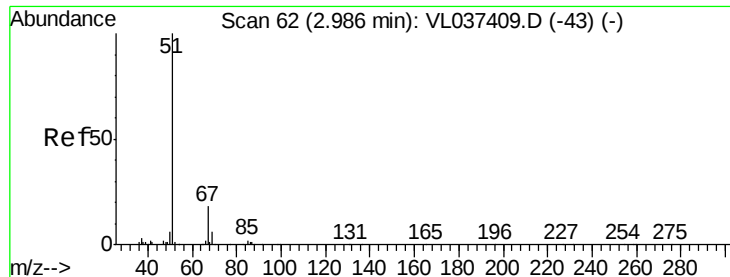
85 100

87 21.1 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

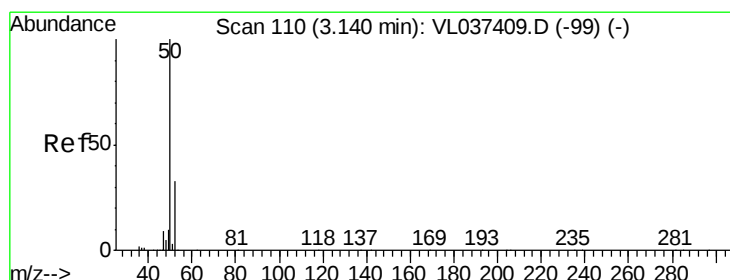
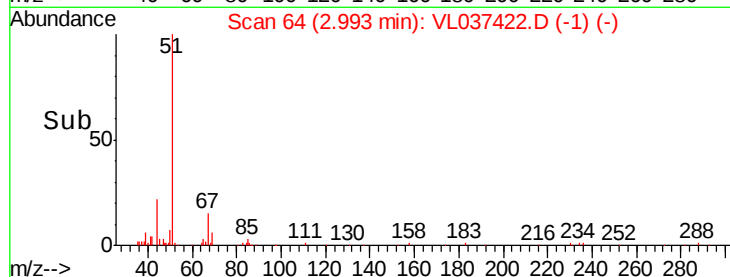
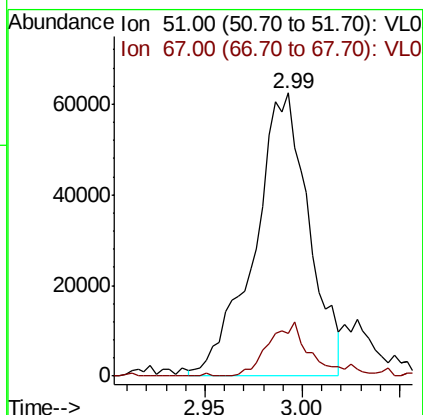
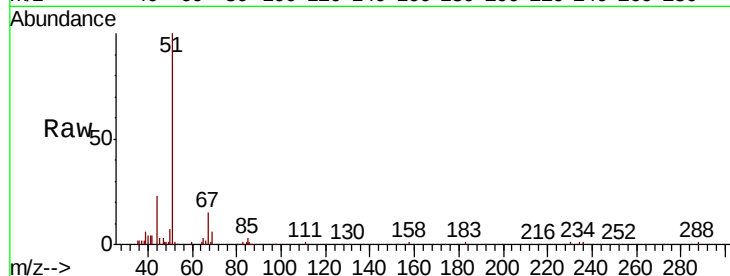
Chlorodifluoromethane
 Concen: 0.492 ppbv m
 RT: 2.99 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1RE

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.8	14.7	22.1

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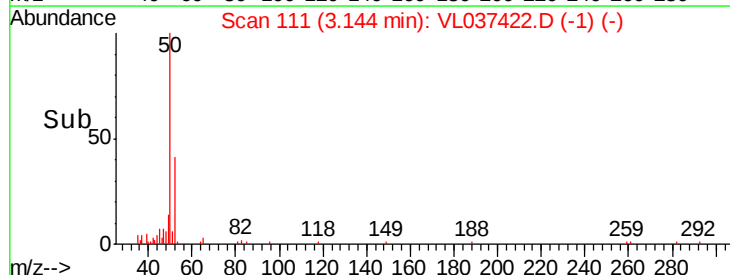
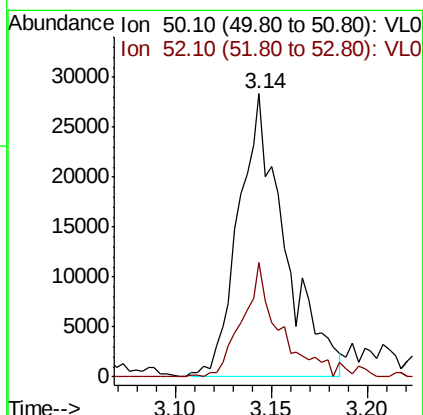
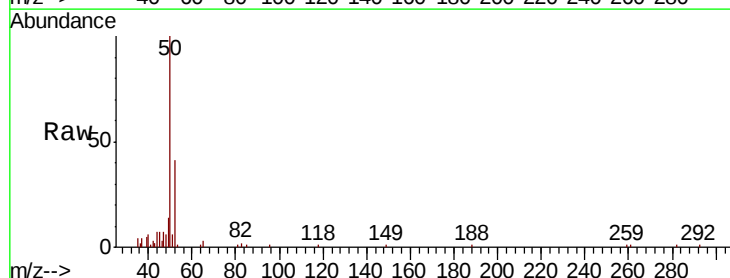
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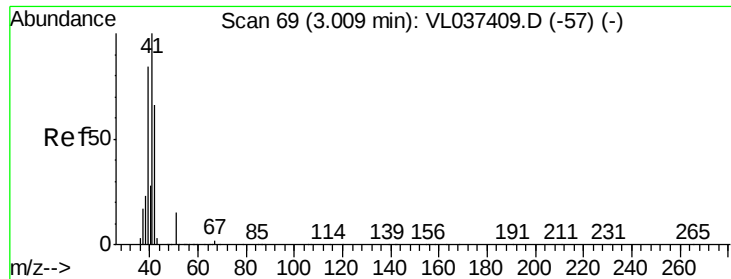


#4

Chloromethane
 Concen: 0.533 ppbv m
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
50	100		
52	40.5	26.2	39.4





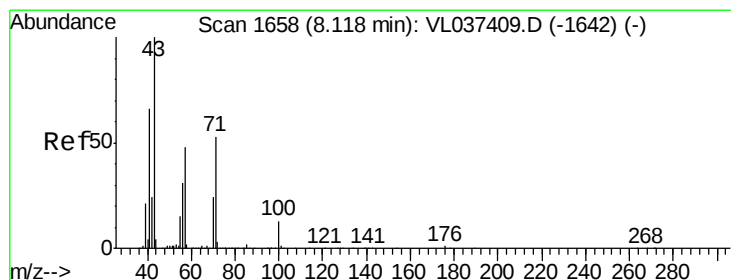
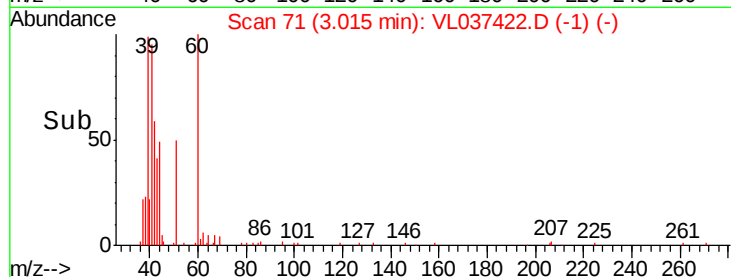
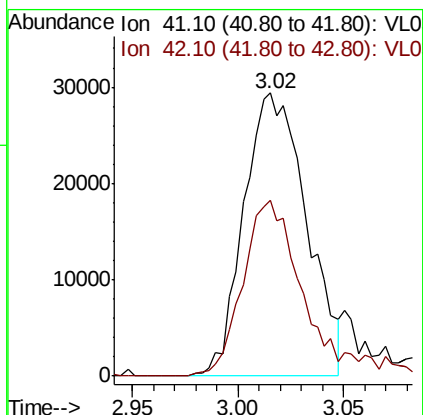
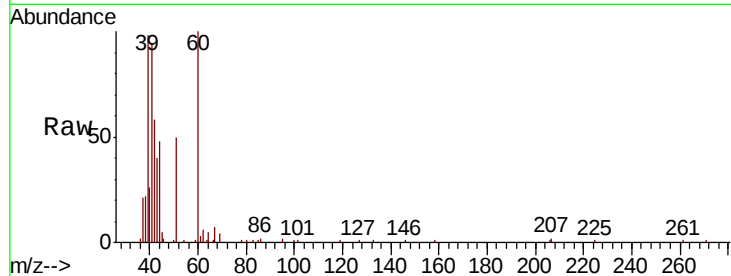
#9
 Propene
 Concen: 0.729 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1RE

Tot Ion	41	Resp	60797
Ion Ratio	100	Lower	Upper
42	62.7	53.8	80.8

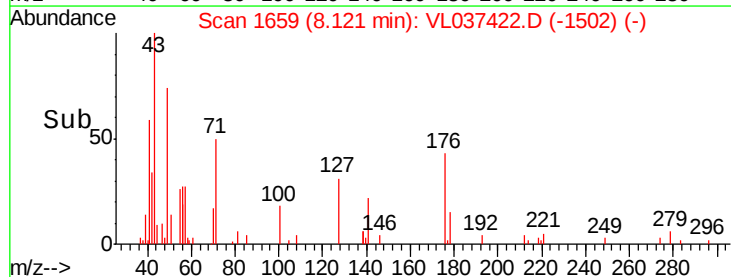
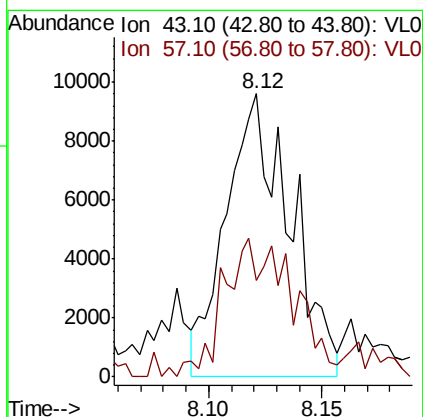
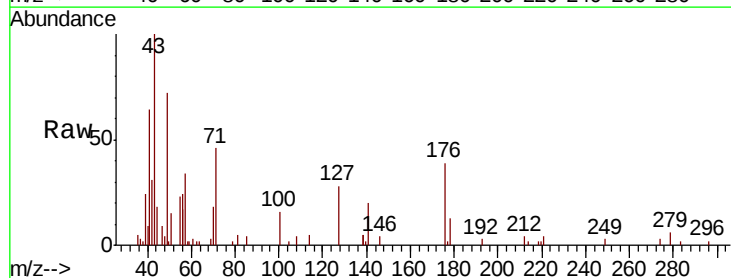
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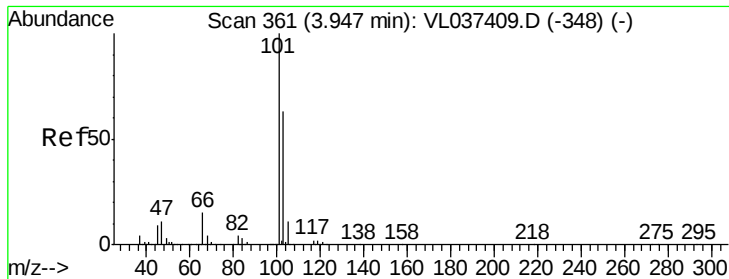
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#10
 Heptane
 Concen: 0.093 ppbv m
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Tgt Ion	43	Resp	18818
Ion Ratio	100	Lower	Upper
57	0.0	40.3	60.5#





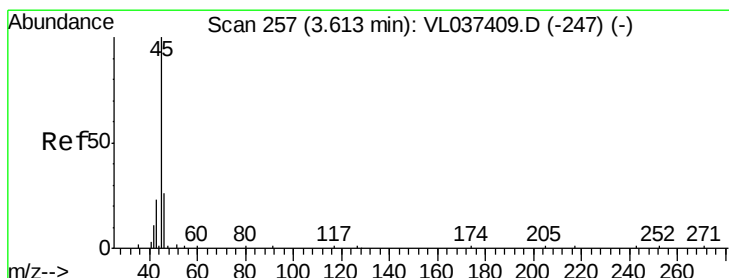
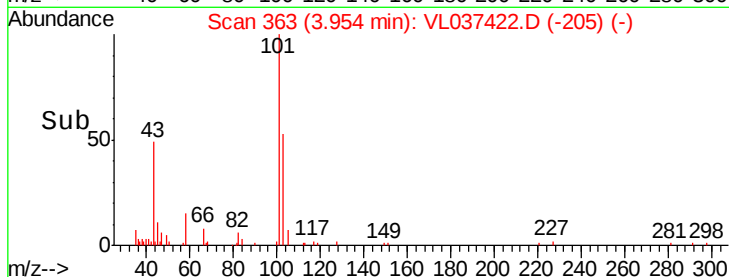
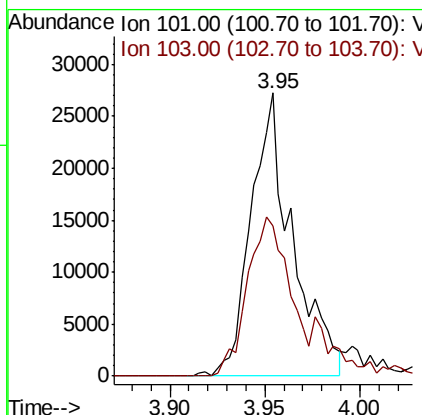
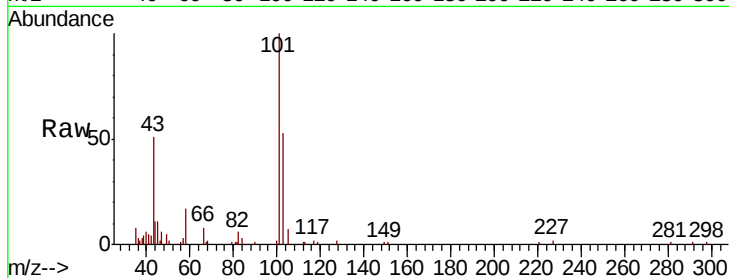
#11
 Trichlorofluoromethane
 Concen: 0.198 ppbv m
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1RE

Tot Ion:101 Resp: 41356
 Ion Ratio Lower Upper
 101 100
 103 53.1 50.2 75.4

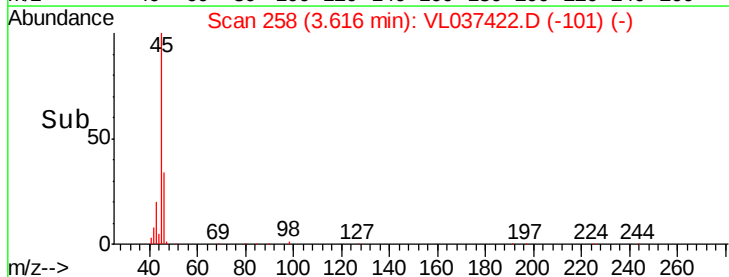
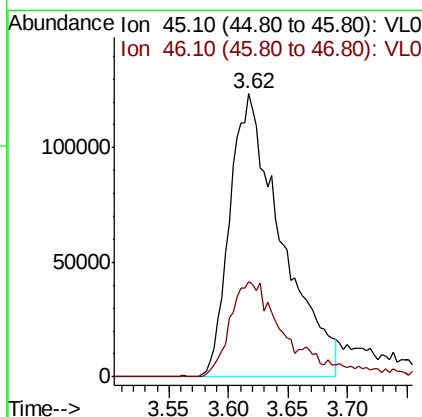
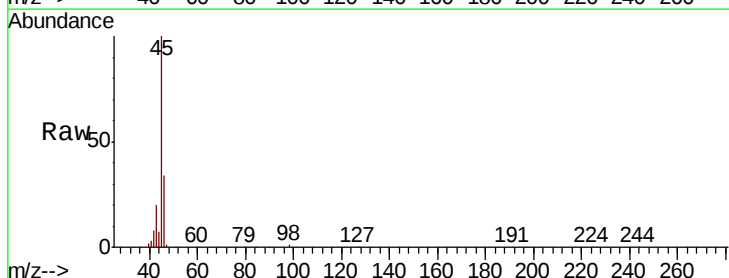
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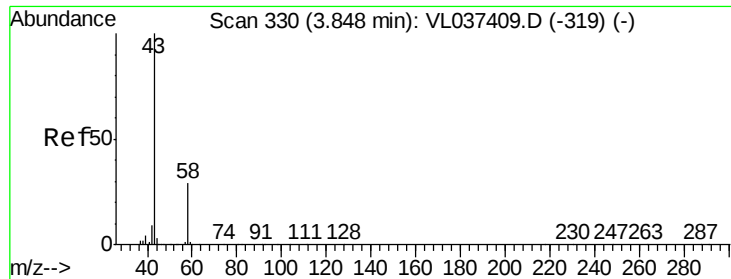
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#13
 Ethanol
 Concen: 42.024 ppbv m
 RT: 3.62 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Tgt Ion: 45 Resp: 373863
 Ion Ratio Lower Upper
 45 100
 46 38.0 18.0 72.2





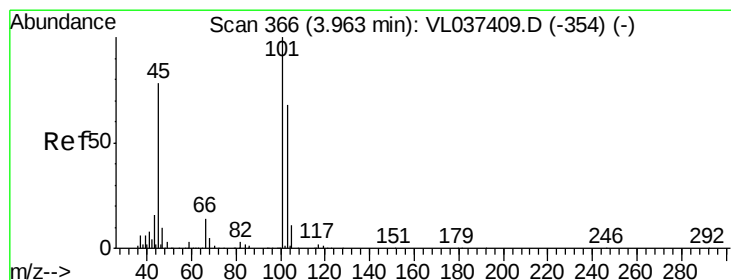
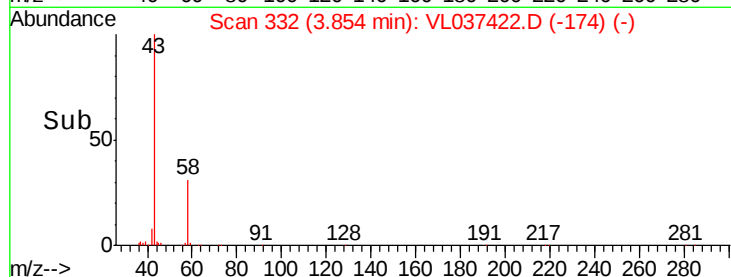
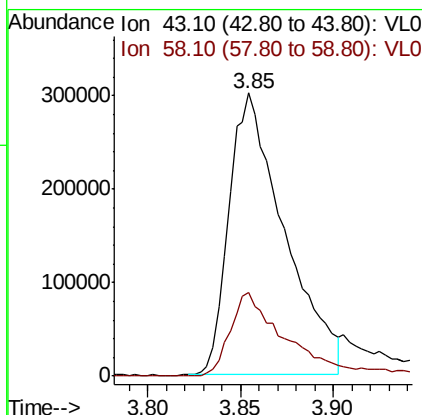
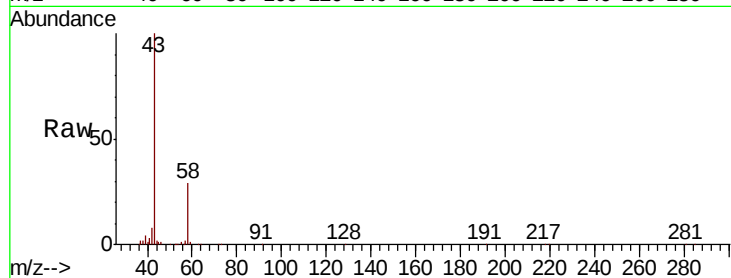
#15
Acetone
Concen: 4.681 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampleId :
QA1RE

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6

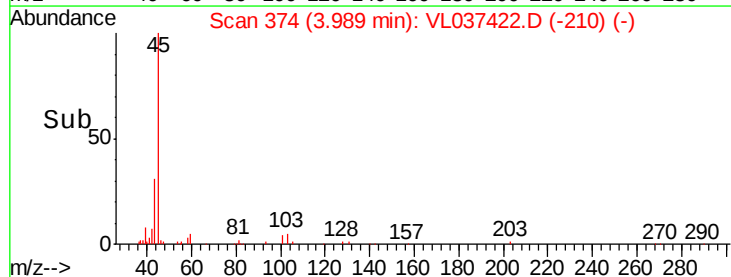
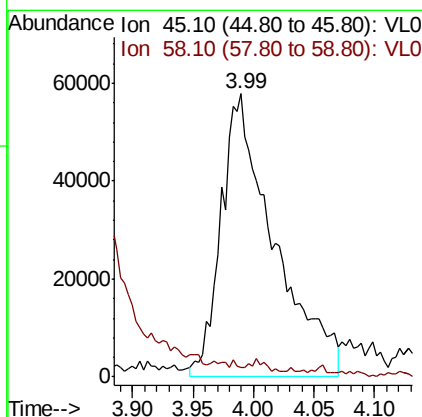
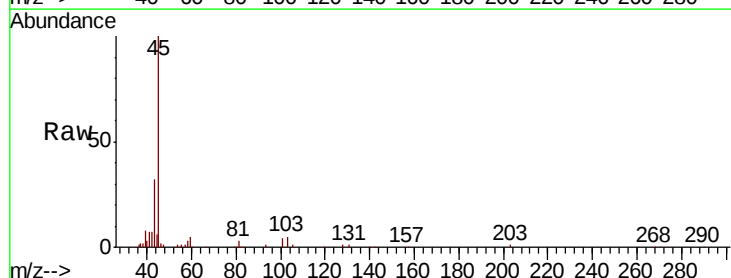
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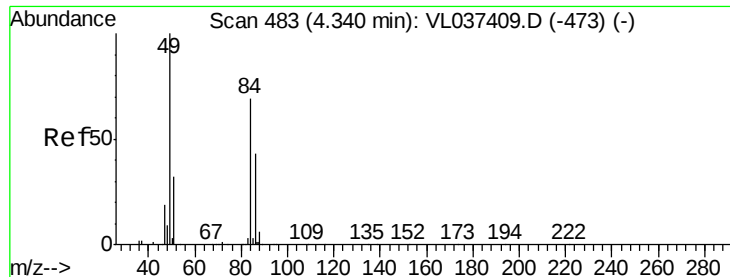
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#19
Isopropyl Alcohol
Concen: 2.275 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
45	100		
58	116.0	2.2	3.4#





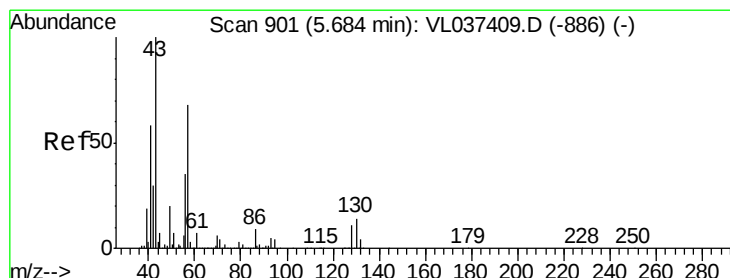
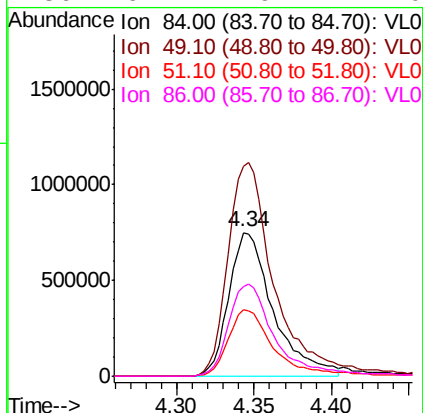
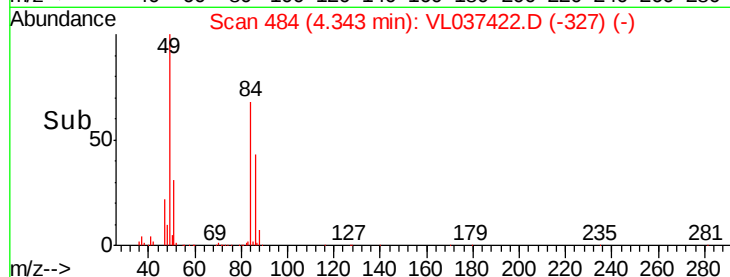
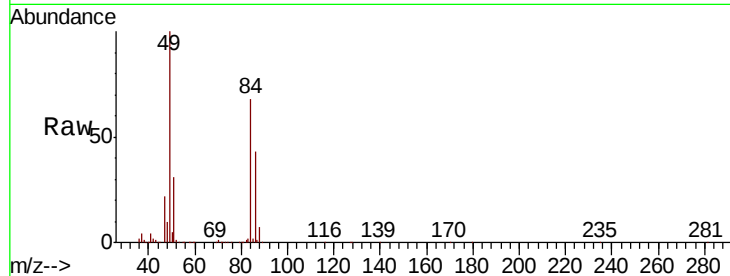
#20
Methvlene Chloride
Concen: 21.079 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampleId :
OA1RE

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	146.0	116.0	174.0	
51	45.9	37.1	55.7	
86	62.4	49.4	74.0	

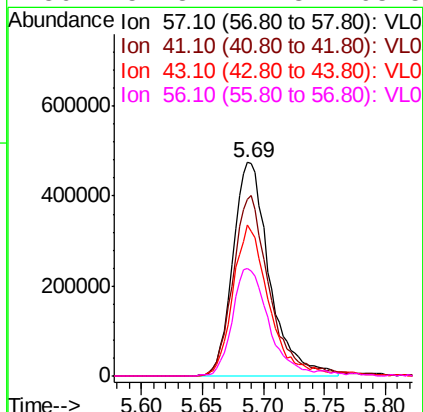
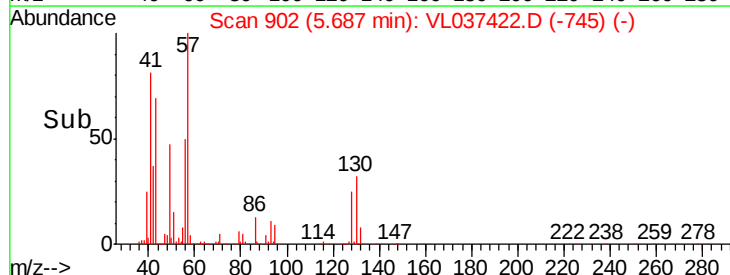
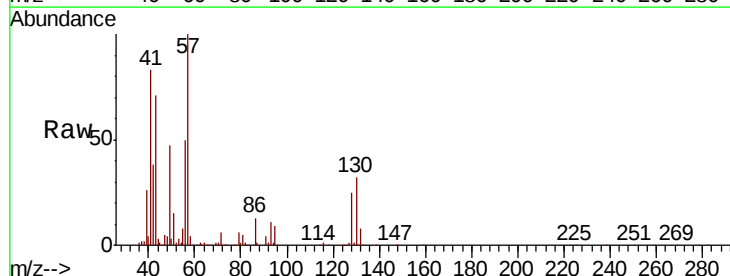
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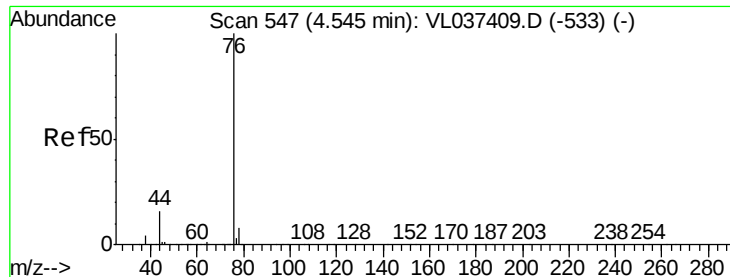
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#26
Hexane
Concen: 5.981 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.4	72.5	108.7	
43	70.3	169.3	253.9#	
56	51.8	42.3	63.5	





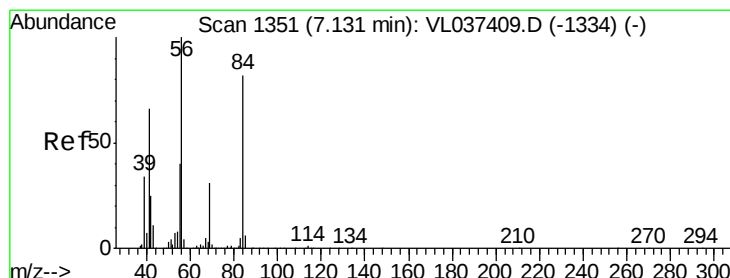
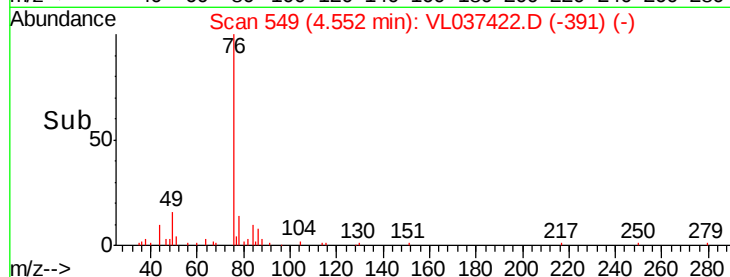
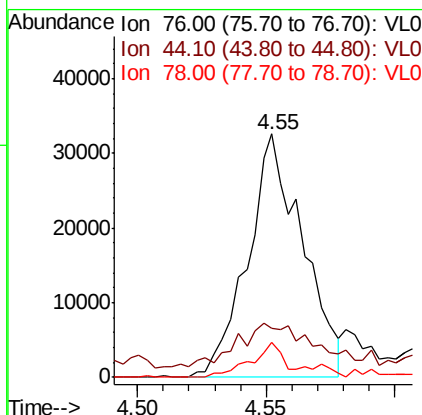
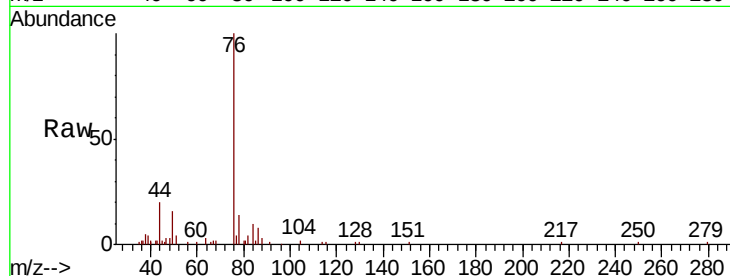
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Carbon Disulfide
Concen: 0.349 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampled :
QA1RE

Tot Ion	Ratio	Lower	Upper
76	100		
44	26.4	14.4	21.6#
78	12.7	8.0	12.0#

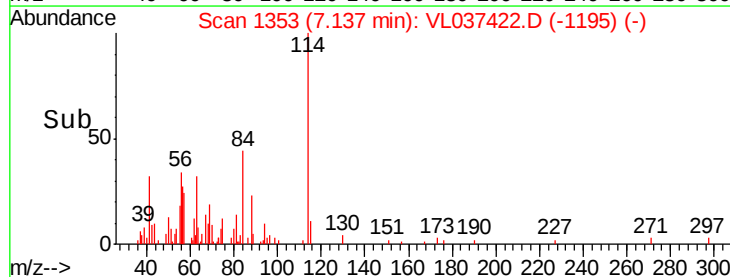
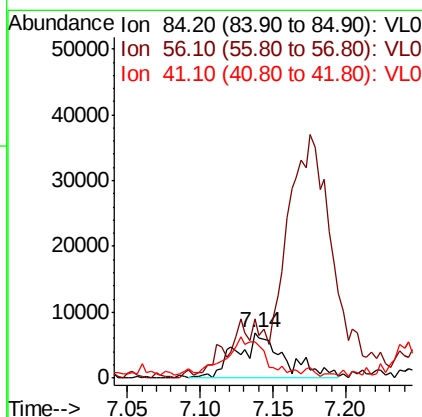
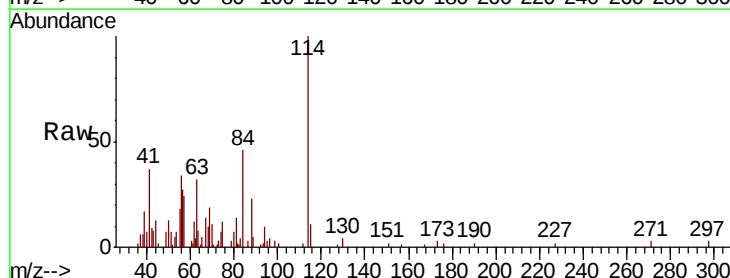
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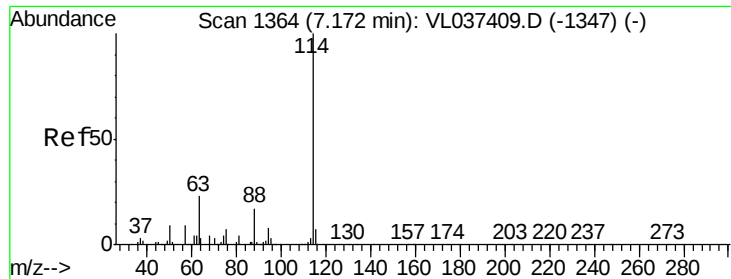
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#30
Cyclohexane
Concen: 0.117 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.6	164.4#
41	0.0	66.6	99.8#





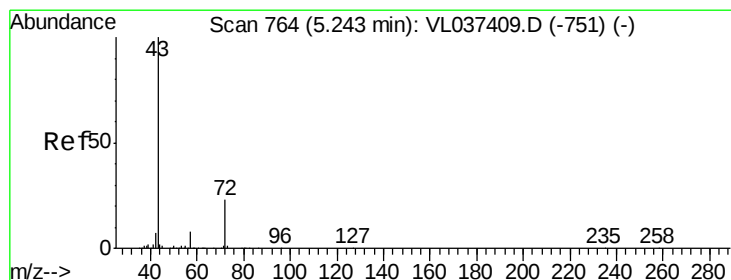
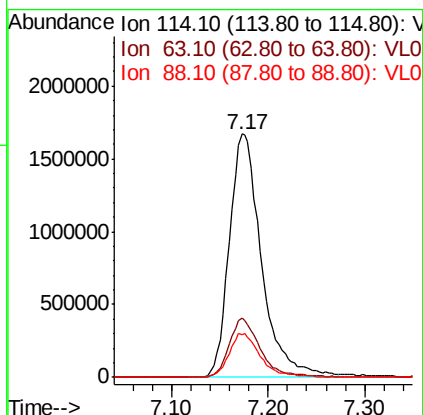
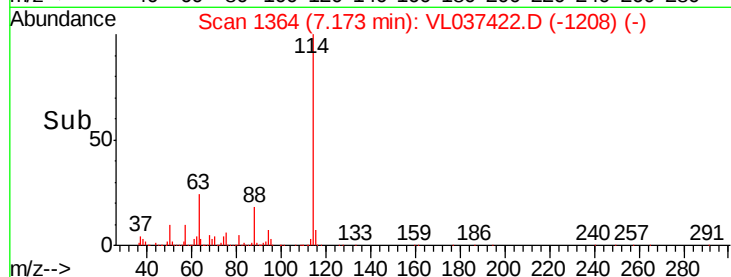
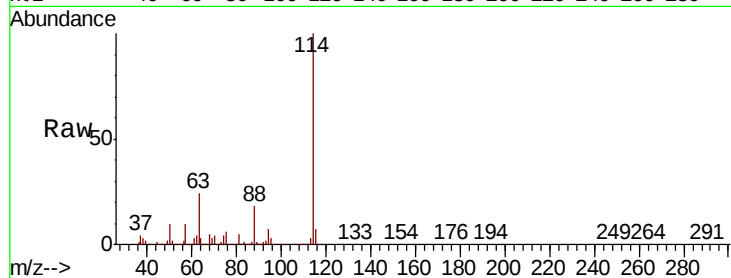
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 QA1RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.2
88	18.0	14.2	21.4

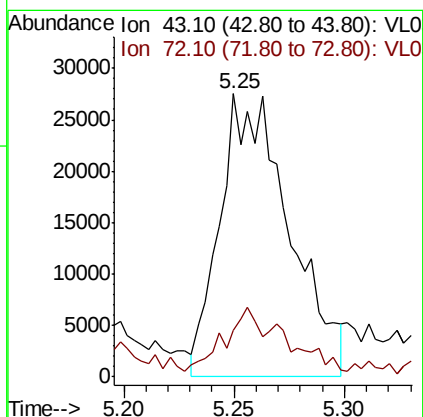
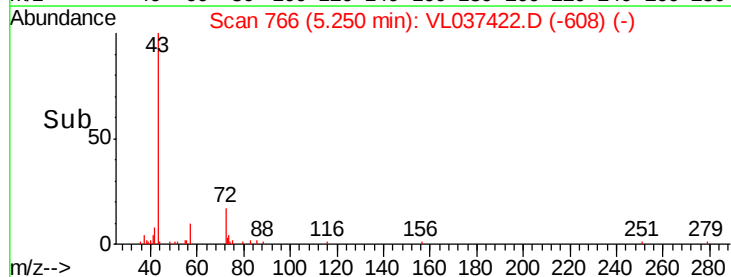
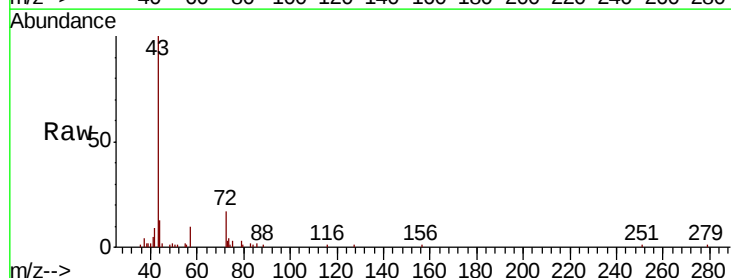
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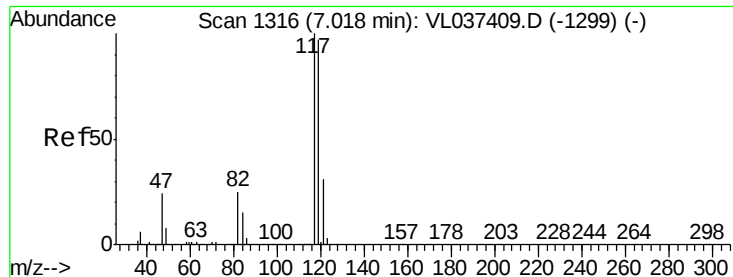
apatel
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#34
 2-Butanone
 Concen: 0.375 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL037422.D
 Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





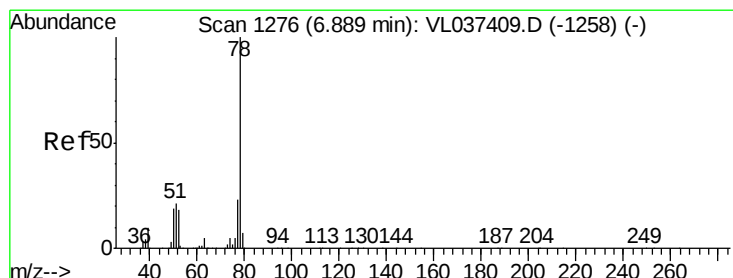
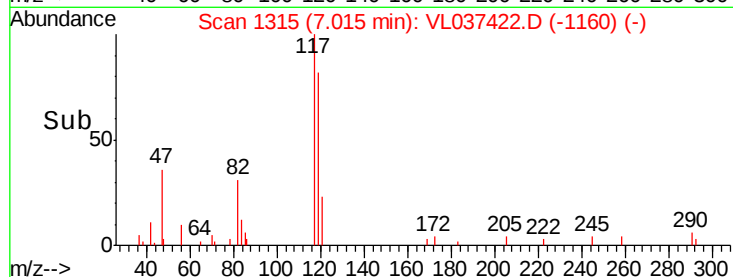
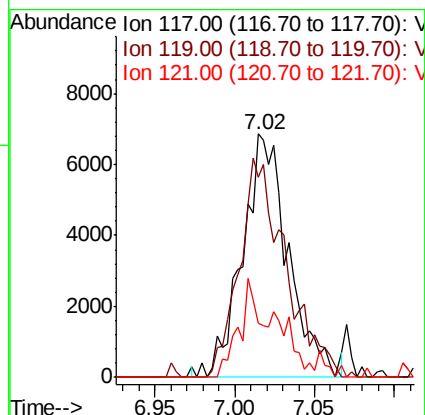
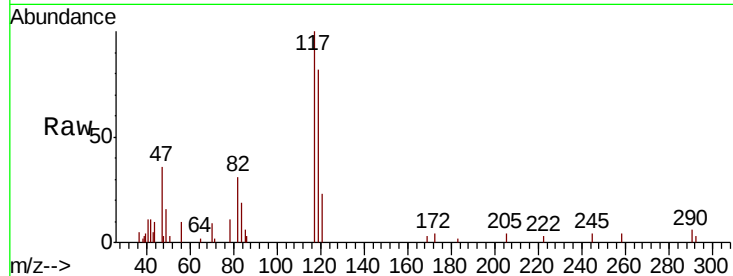
#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.02 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampled :
QA1RE

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.3	77.5	116.3
121	22.5	24.7	37.1#

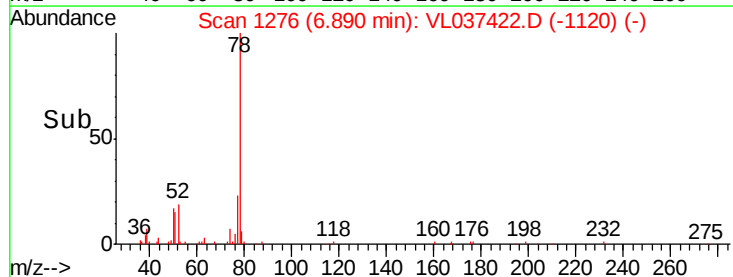
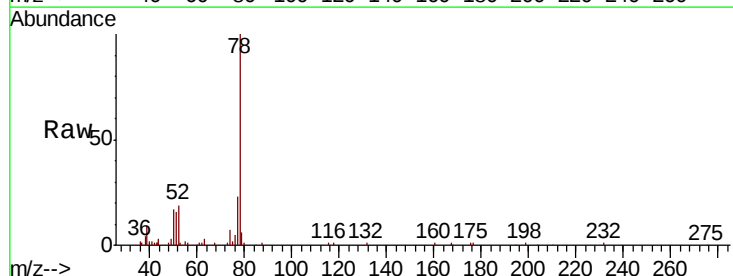
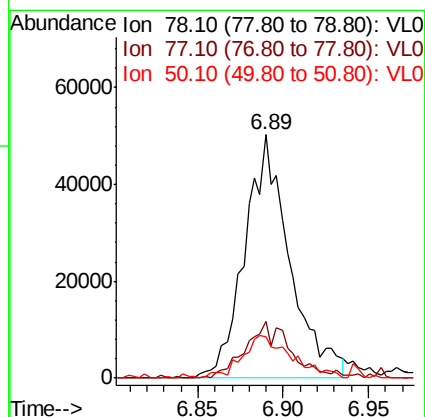
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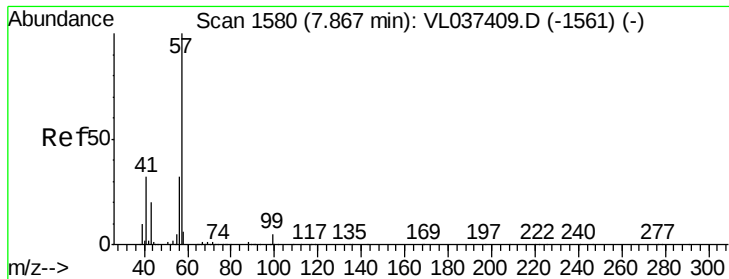
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#36
Benzene
Concen: 0.282 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8
50	17.1	14.9	22.3





#44

2,2,4-Trimethylpentane

Concen: 0.215 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VL037422.D

Acq: 12 Aug 2021 20:45

Instrument :

MSVOA_L

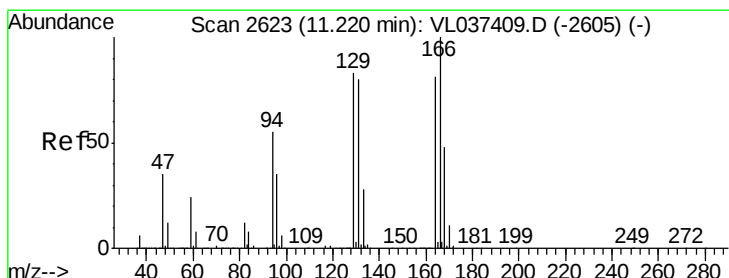
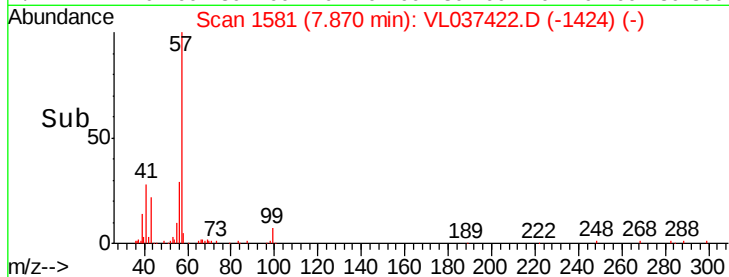
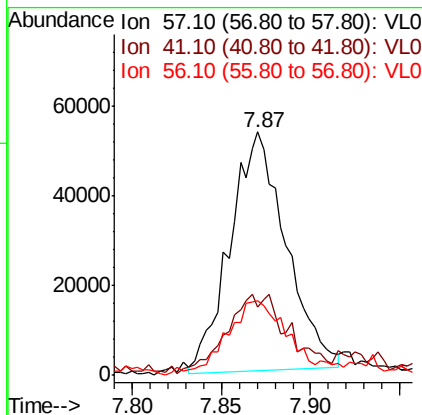
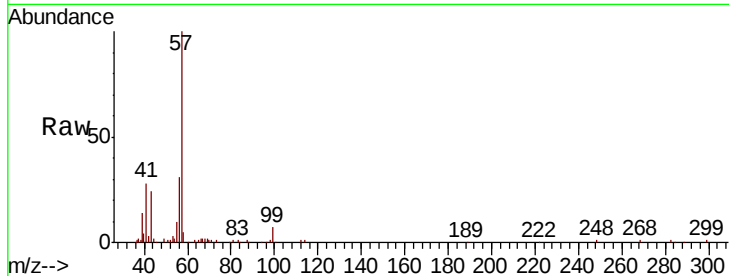
ClientSampleId :

QA1RE

Tot Ion:	57	Resp:	116829
Ion Ratio	Lower	Upper	
57	100		
41	42.8	26.4	39.6#
56	35.0	25.0	37.4

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#52

Tetrachloroethene

Concen: 0.058 ppbv m

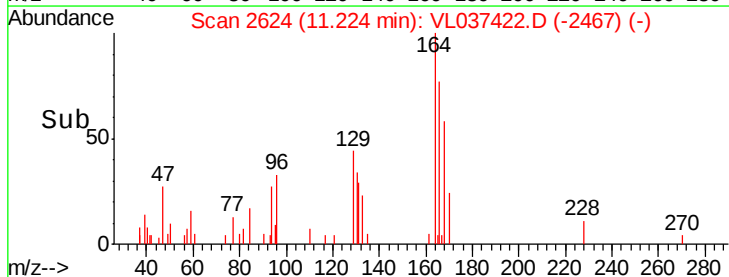
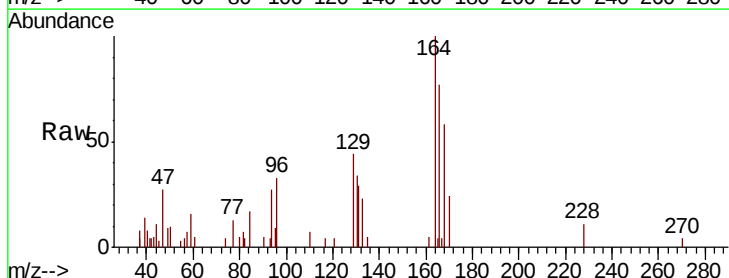
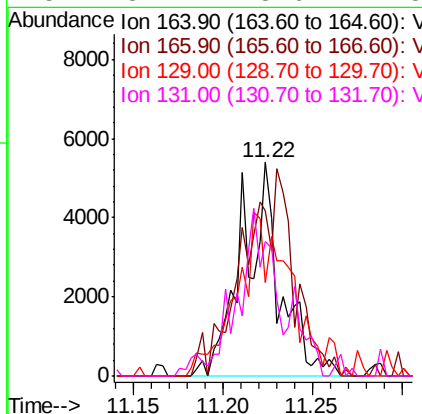
RT: 11.22 min Scan# 2624

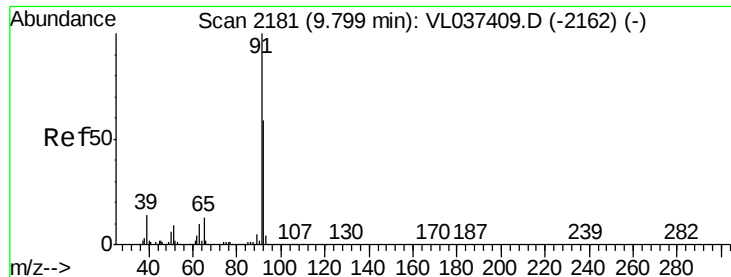
Delta R.T. 0.00 min

Lab File: VL037422.D

Acq: 12 Aug 2021 20:45

Tgt Ion:	164	Resp:	7926
Ion Ratio	Lower	Upper	
164	100		
166	77.2	98.6	147.8#
129	43.9	82.0	123.0#
131	34.1	78.6	117.8#





#53

Toluene

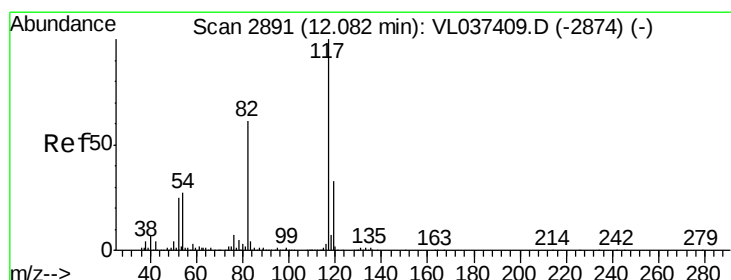
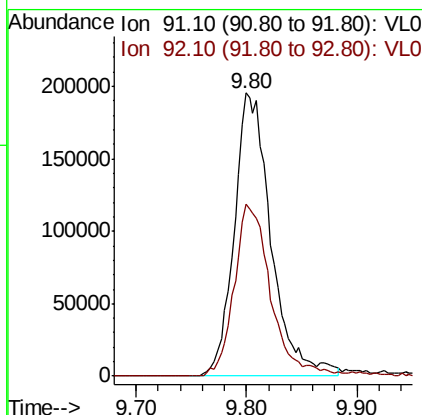
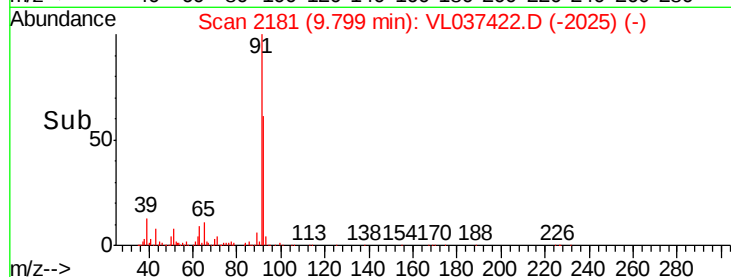
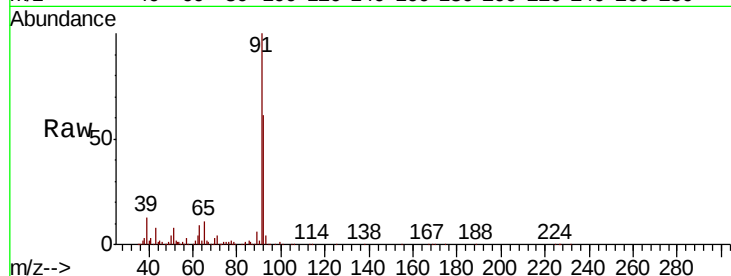
Concen: 1.217 ppbv m
RT: 9.80 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampleId :
QA1RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.2	49.0	73.6

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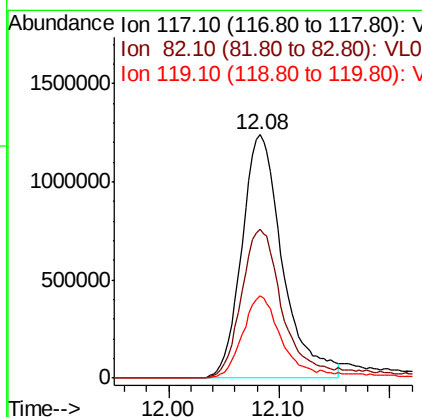
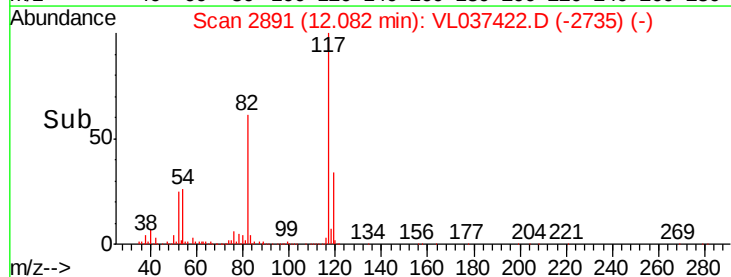
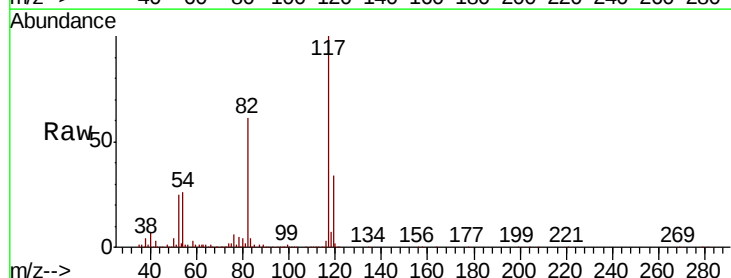


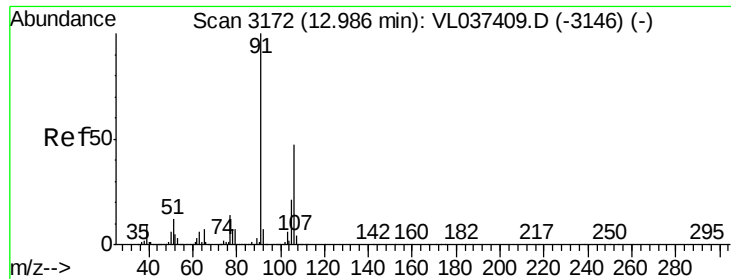
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.0	53.1	79.7
119	36.0	28.0	42.0





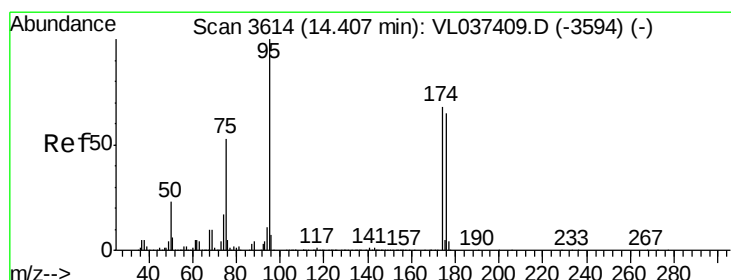
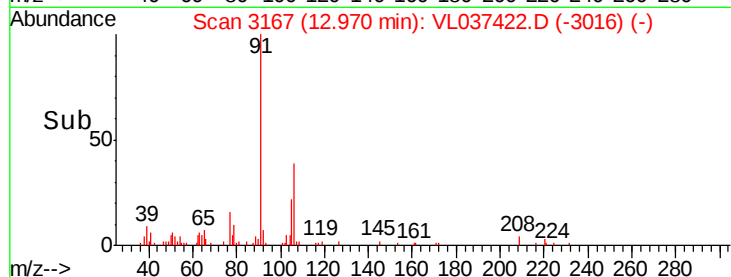
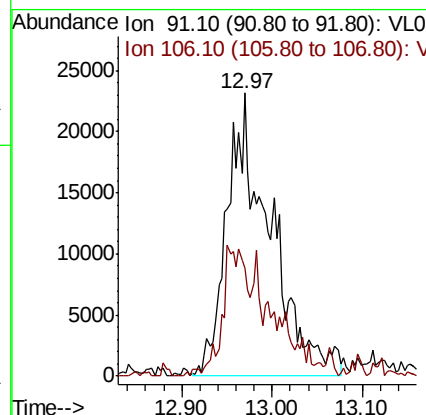
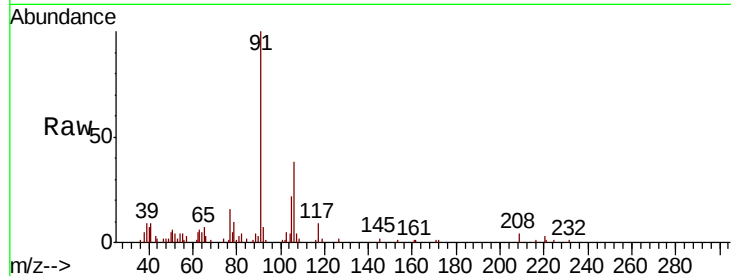
#59
m/p-Xylene
Concen: 0.204 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Instrument :
MSVOA_L
ClientSampled :
QA1RE

Tot Ion: 91 Resp: 76954
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.861 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.01 min
Lab File: VL037422.D
Acq: 12 Aug 2021 20:45

Tgt Ion: 95 Resp: 2243920
Ion Ratio Lower Upper
95 100
174 78.7 59.6 89.4
175 5.9 4.3 6.5

