

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037816.D
 Acq On : 8 Oct 2021 4:17
 Operator : SY/AP
 Sample : M4079-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P10

Manual Integrations
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Quant Time: Oct 08 11:26:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1245784	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3518759	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3125798	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2221975	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	23741m	0.119	ppbv	
4) Chloromethane	3.13	50	17620m	0.201	ppbv	
9) Propene	3.01	41	105863	1.202	ppbv	98
10) Heptane	8.10	43	40267m	0.201	ppbv	
11) Trichlorofluoromethane	3.94	101	34269	0.193	ppbv	87
13) Ethanol	3.59	45	559565	77.687	ppbv	82
15) Acetone	3.84	43	9419142	84.224	ppbv	94
17) tert-Butyl alcohol	4.29	59	236292	2.052	ppbv	99
19) Isopropyl Alcohol	3.96	45	165031	2.372	ppbv #	96
20) Methylene Chloride	4.34	84	57937	1.025	ppbv	92
26) Hexane	5.68	57	88426	0.572	ppbv #	49
27) Carbon Disulfide	4.55	76	69229m	0.506	ppbv	
29) Chloroform	5.74	83	258049m	1.168	ppbv	
34) 2-Butanone	5.23	43	2347349	16.524	ppbv	98
36) Benzene	6.88	78	52893m	0.176	ppbv	
51) 2-Hexanone	10.13	43	271822	3.293	ppbv #	97
52) Tetrachloroethene	11.21	164	519217	4.440	ppbv	98
53) Toluene	9.79	91	84721m	0.254	ppbv	
58) Ethyl Benzene	12.69	91	110192	0.263	ppbv	92
59) m/p-Xylene	12.95	91	461325m	1.280	ppbv	
60) o-Xylene	13.68	91	153009	0.443	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	36164m	0.156	ppbv	
79) Naphthalene	22.18	128	49080m	0.214	ppbv	

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

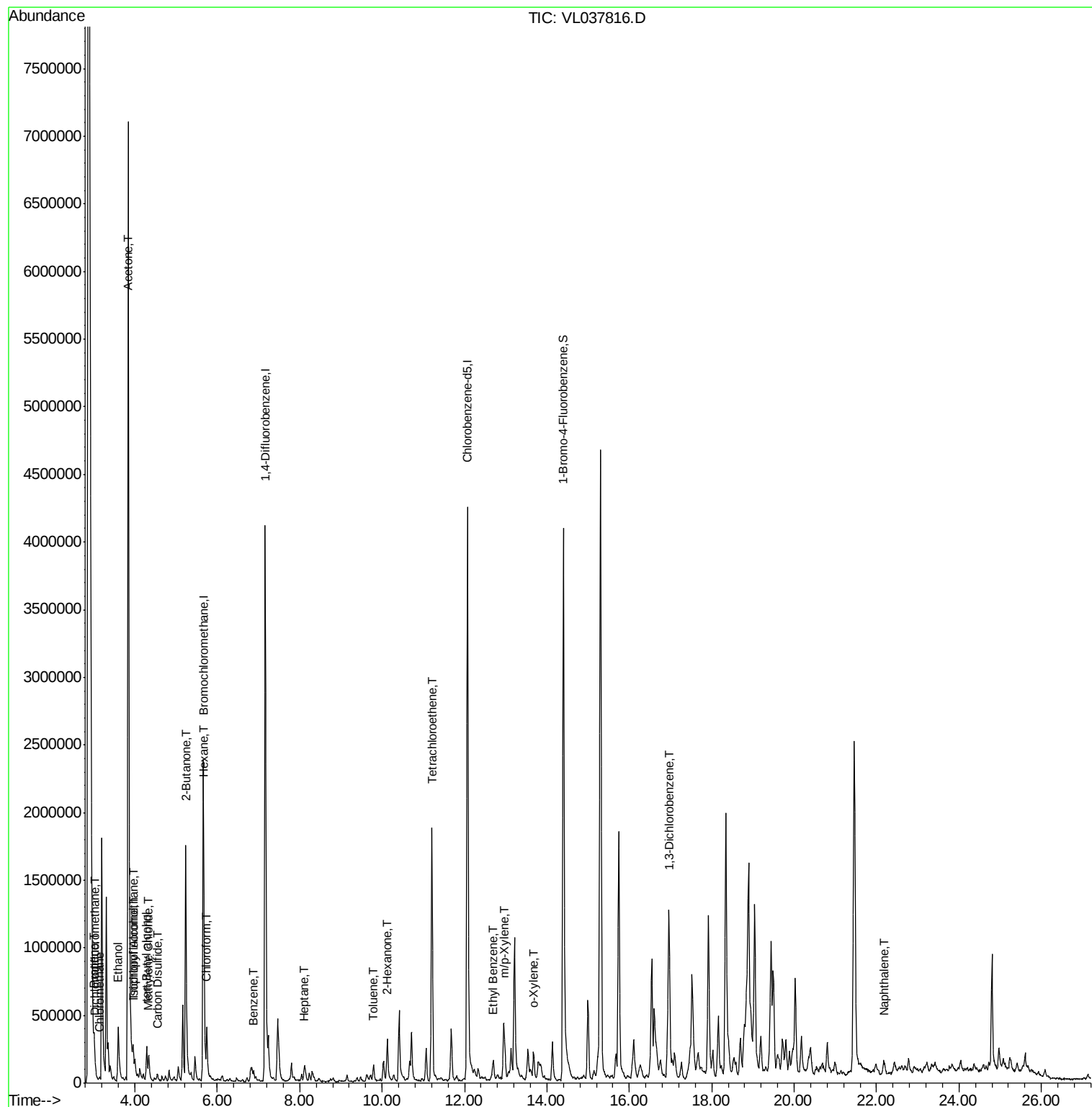
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
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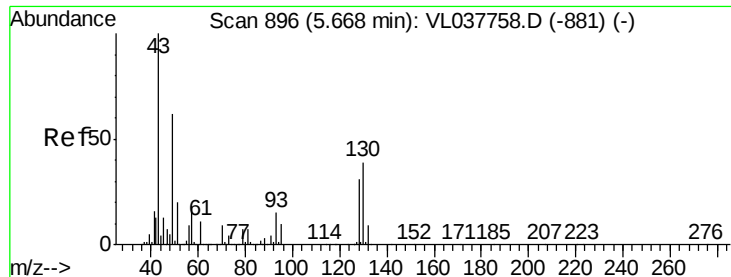
Instrument :
MSVOA_L
ClientSampleId :
C0P10

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Quant Time: Oct 08 11:26:06 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037816.D

Acq: 8 Oct 2021 4:17

Instrument :

MSVOA_L

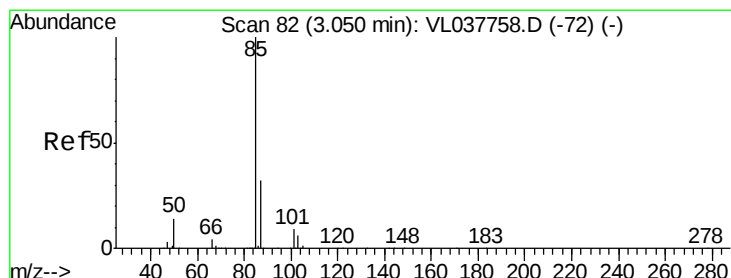
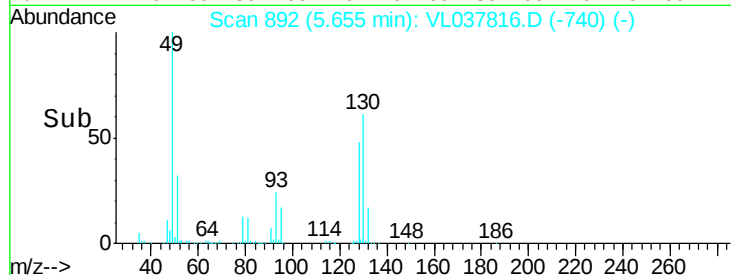
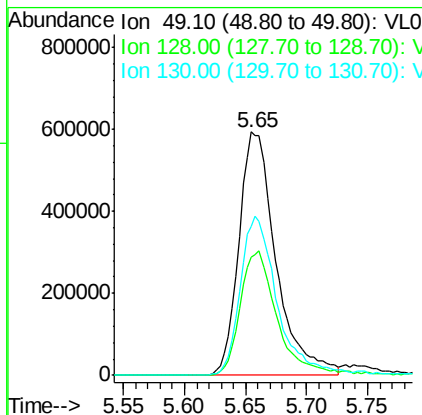
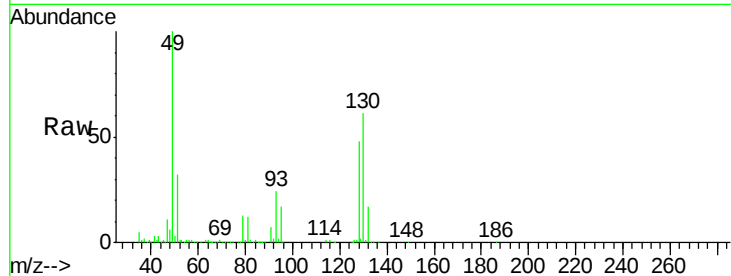
ClientSampled :

C0P10

Tgt Ion:	49	Resp:	1245784
Ion	Ratio	Lower	Upper
49	100		
128	52.3	27.1	81.3
130	66.7	33.2	99.6

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#2

Dichlorodifluoromethane

Concen: 0.119 ppbv m

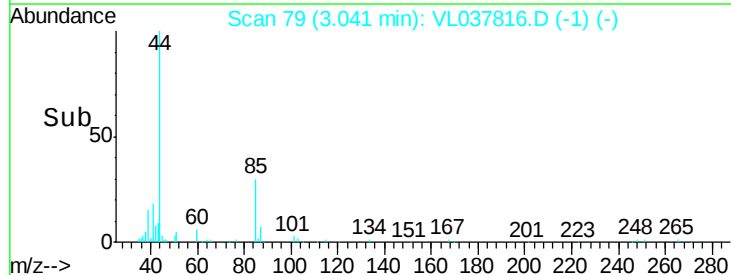
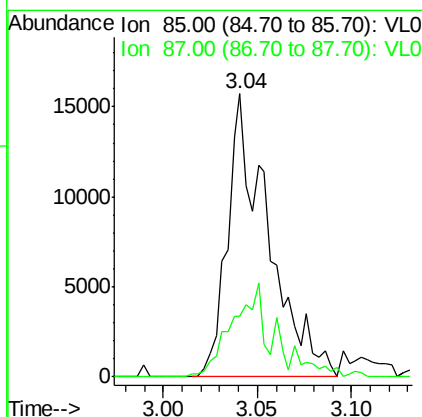
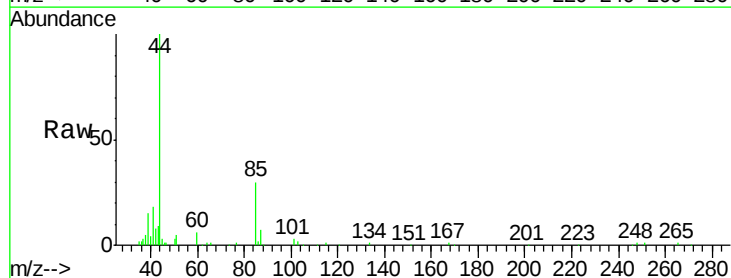
RT: 3.04 min Scan# 79

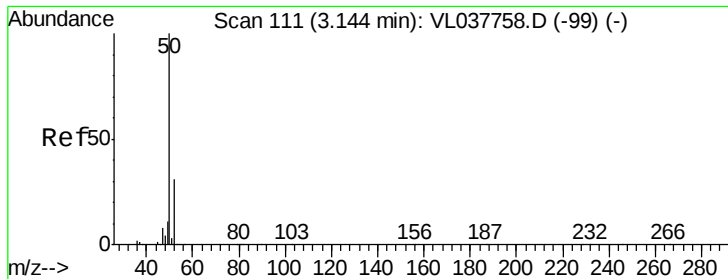
Delta R.T. -0.01 min

Lab File: VL037816.D

Acq: 8 Oct 2021 4:17

Tgt Ion:	85	Resp:	23741
Ion	Ratio	Lower	Upper
85	100		
87	21.6	25.7	38.5#





#4

Chloromethane

Concen: 0.201 ppbv m

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037816.D

Acq: 8 Oct 2021 4:17

Instrument :

MSVOA_L

ClientSampleId :

C0P10

Tgt Ion: 50 Resp: 17620

Ion Ratio Lower Upper

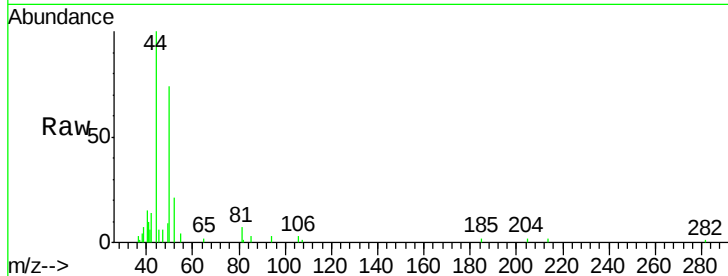
50 100

52 27.8 24.4 36.6

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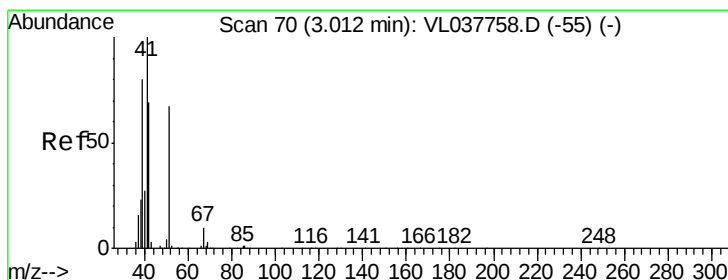
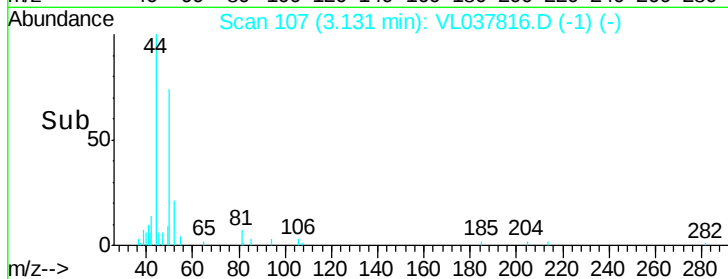
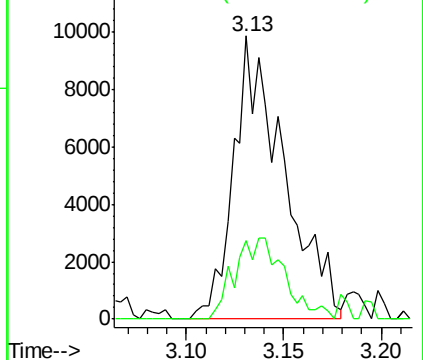
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 1.202 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037816.D

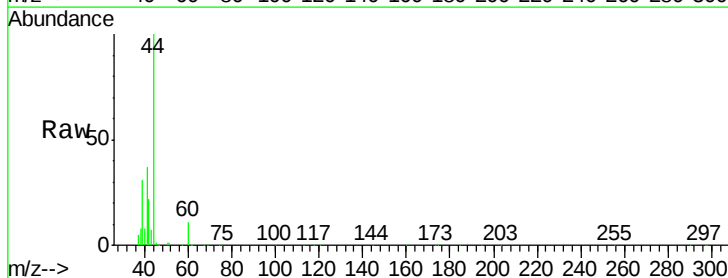
Acq: 8 Oct 2021 4:17

Tgt Ion: 41 Resp: 105863

Ion Ratio Lower Upper

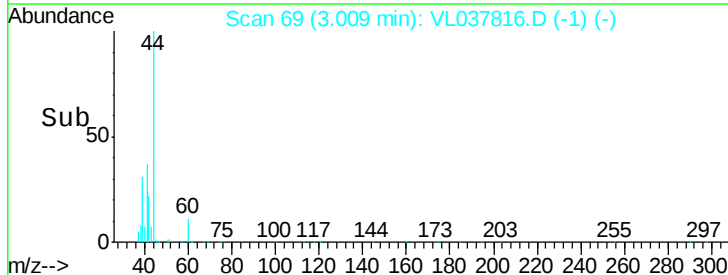
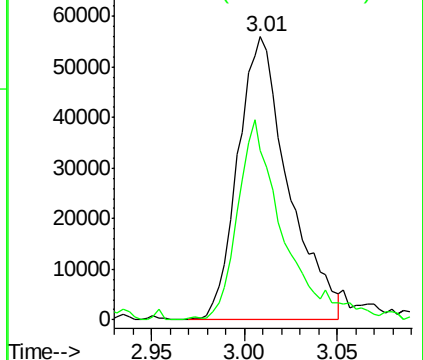
41 100

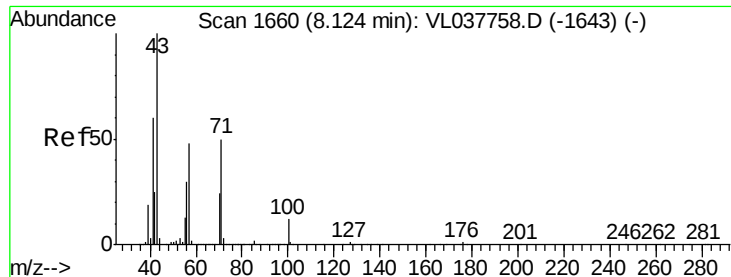
42 65.7 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





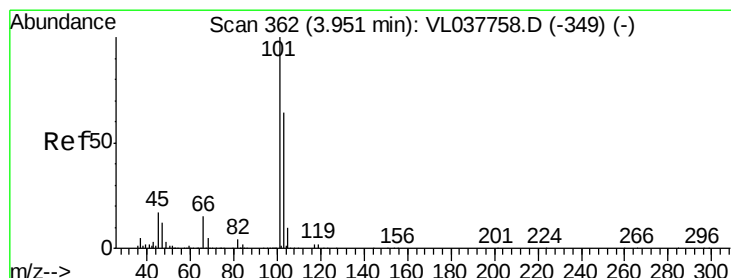
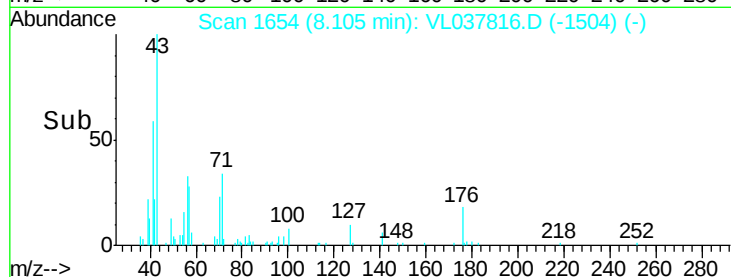
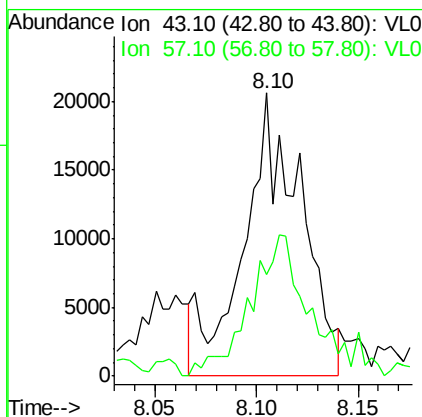
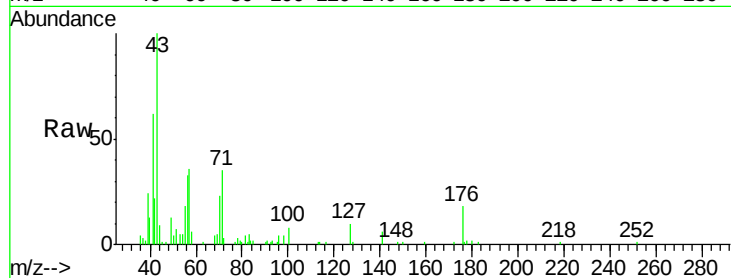
#10
Heptane
Concen: 0.201 ppbv m
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :
C0P10

Tgt Ion: 43 Resp: 40267
Ion Ratio Lower Upper
43 100
57 0.0 40.0 60.0#

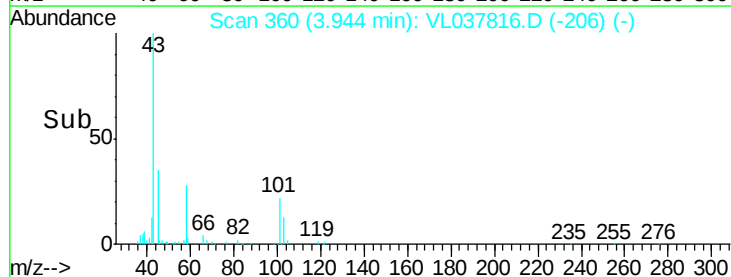
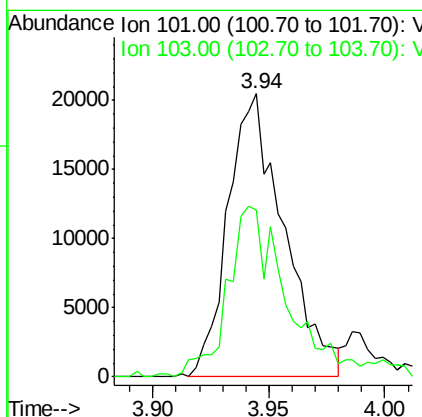
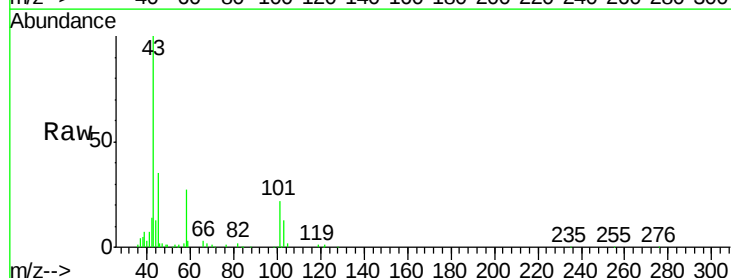
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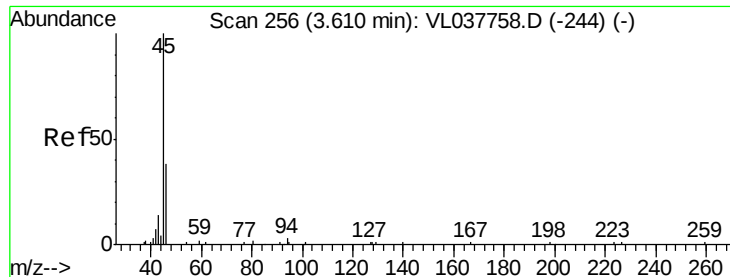
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#11
Trichlorofluoromethane
Concen: 0.193 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion: 101 Resp: 34269
Ion Ratio Lower Upper
101 100
103 54.1 51.5 77.3





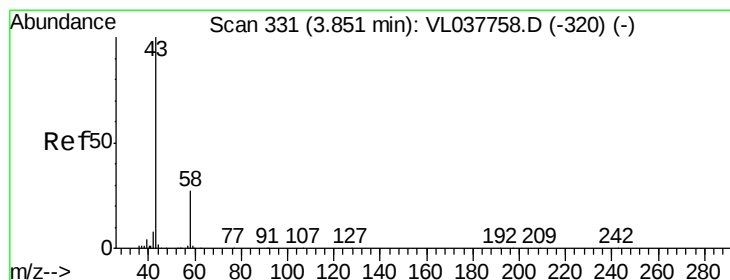
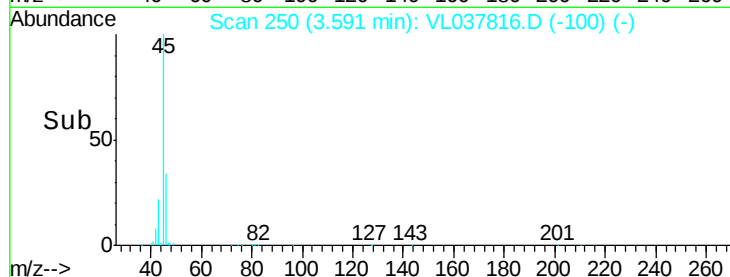
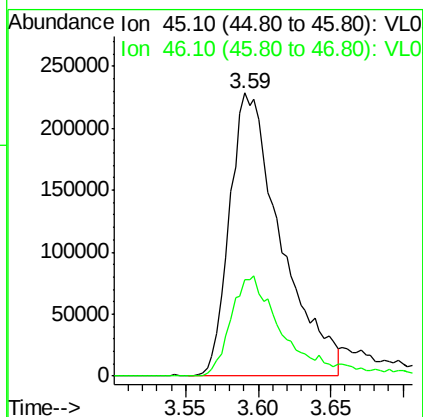
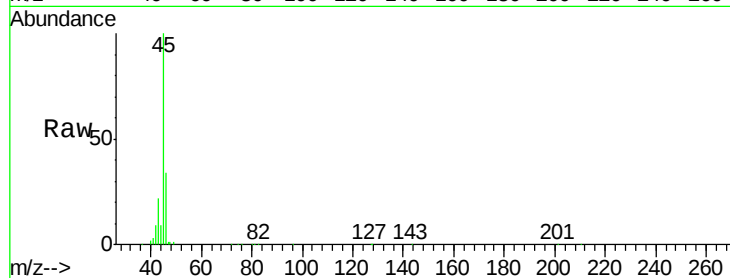
#13
Ethanol
Concen: 77.687 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampled :
C0P10

Tgt Ion: 45 Resp: 559565
Ion Ratio Lower Upper
45 100
46 38.1 20.2 81.0

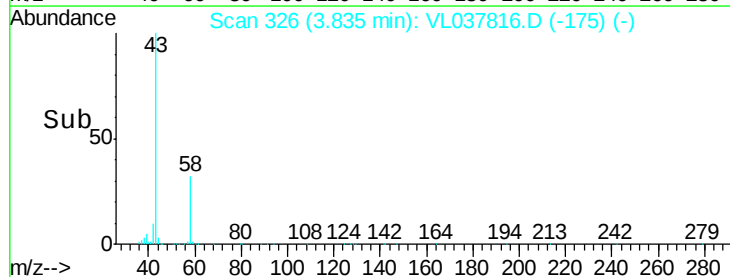
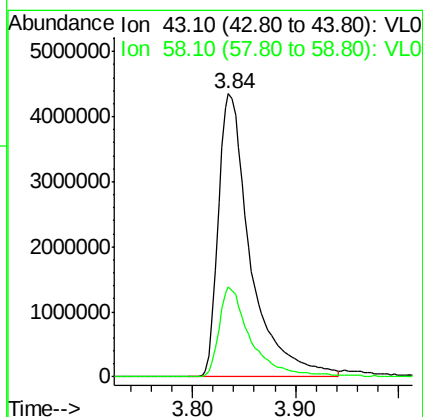
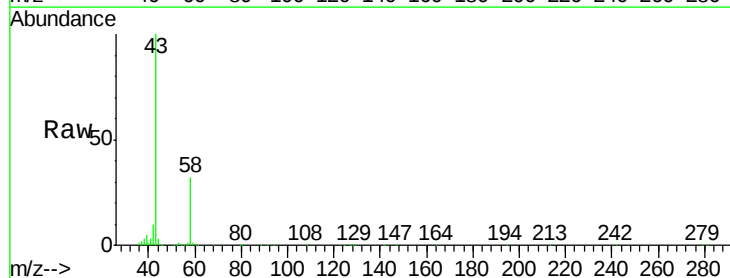
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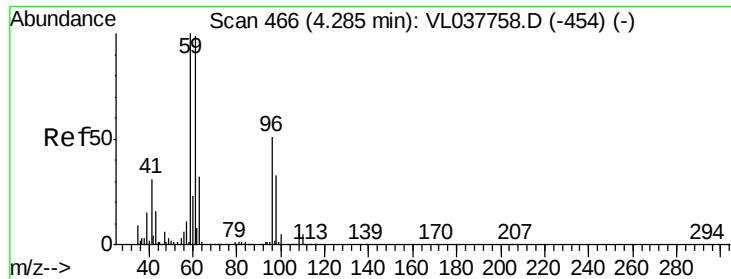
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#15
Acetone
Concen: 84.224 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion: 43 Resp: 9419142
Ion Ratio Lower Upper
43 100
58 32.0 23.0 34.6





#17

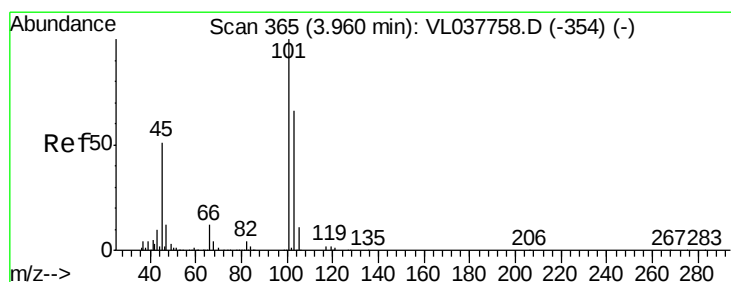
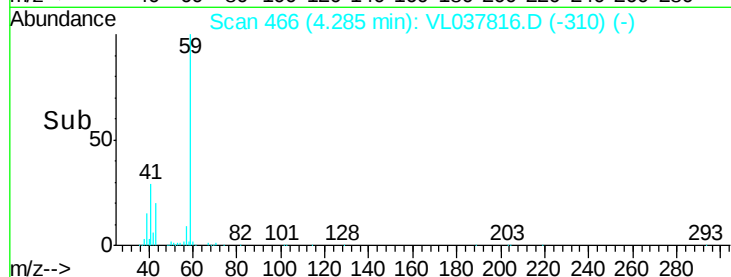
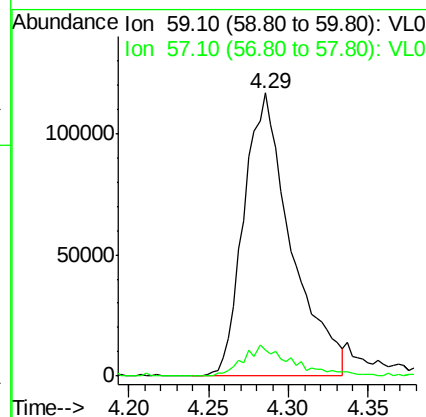
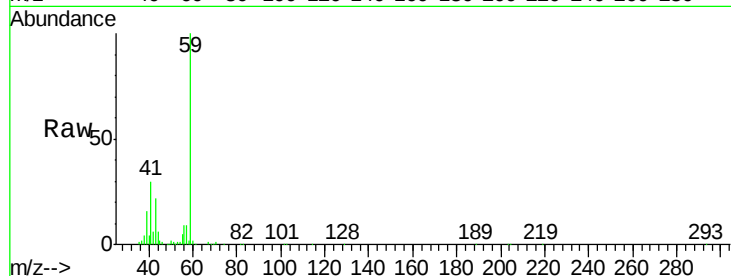
tert-Butyl alcohol
Concen: 2.052 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampled :
C0P10

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	13.0

Manual Integrations
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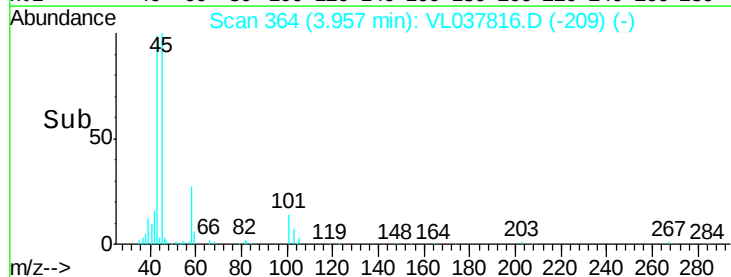
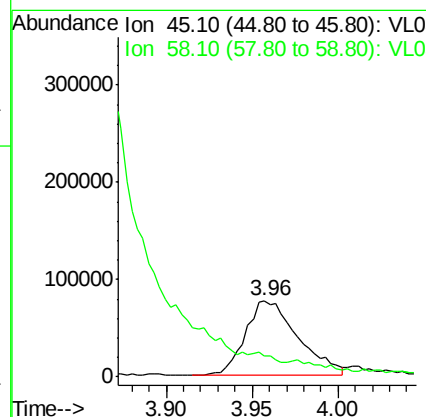
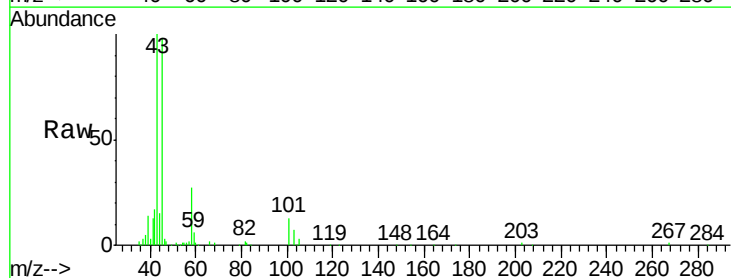
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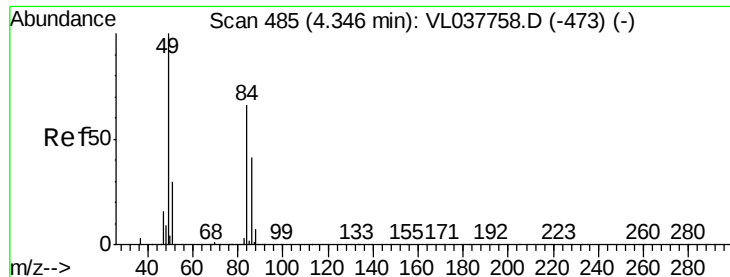


#19

Isopropyl Alcohol
Concen: 2.372 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#





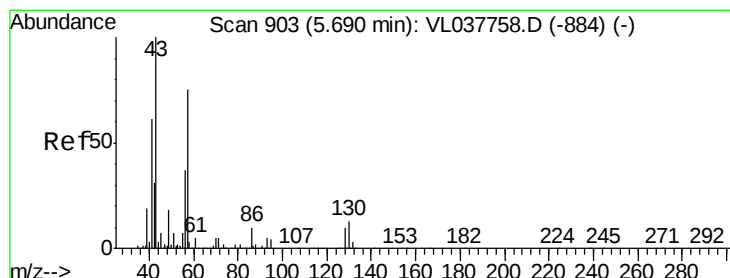
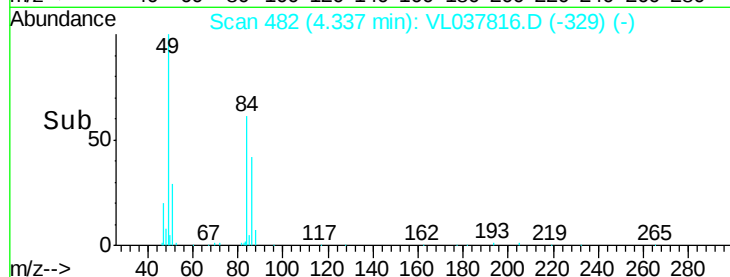
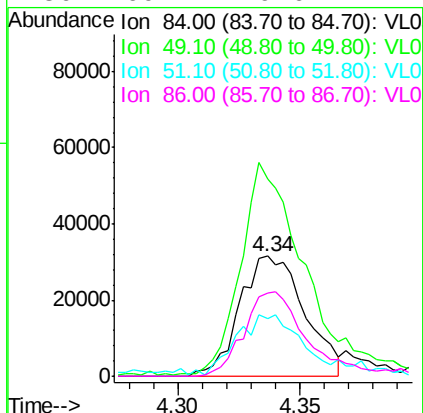
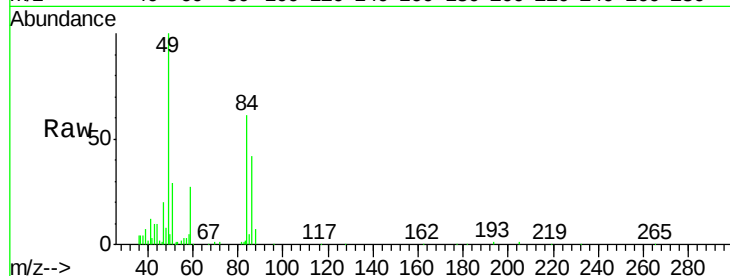
#20
Methylene Chloride
Concen: 1.025 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :
COP10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.7	120.7	181.1
51	46.5	36.2	54.4
86	69.2	49.6	74.4

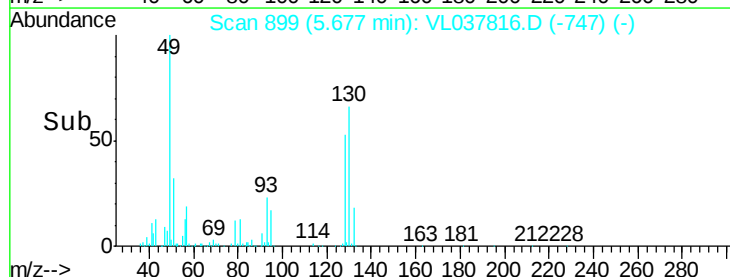
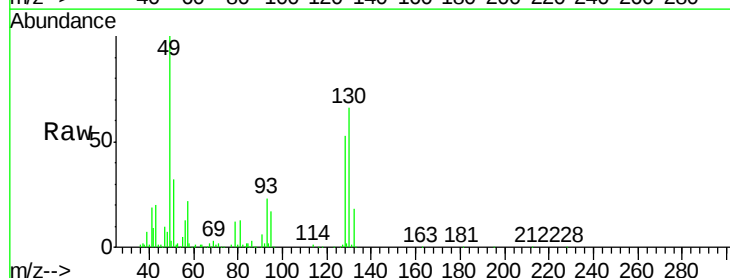
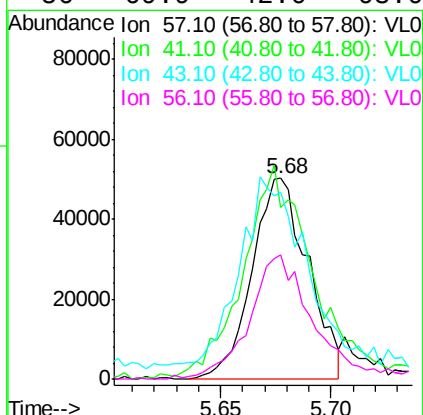
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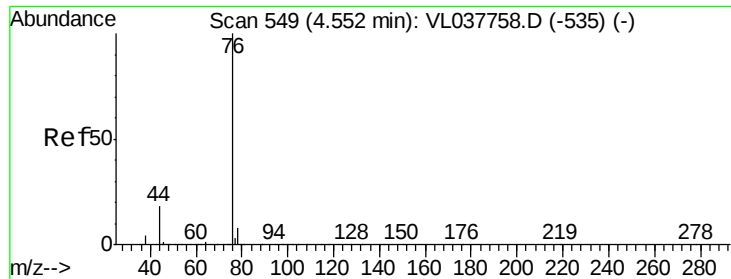
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#26
Hexane
Concen: 0.572 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	134.0	69.6	104.4#
43	124.2	171.4	257.0#
56	69.9	42.0	63.0#





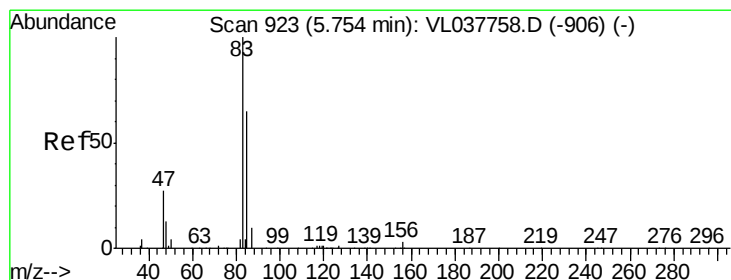
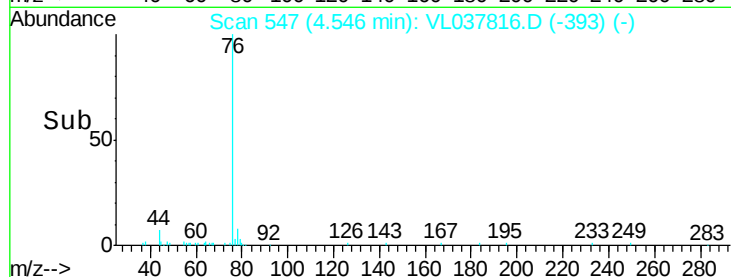
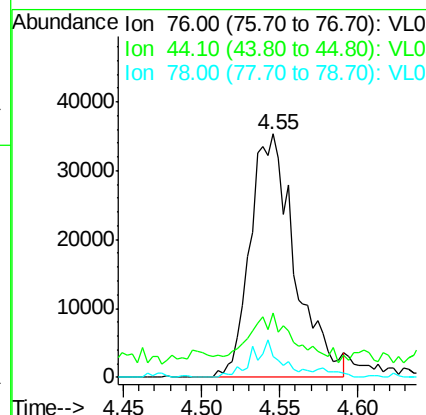
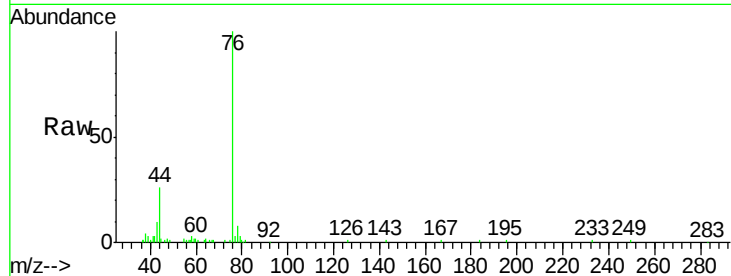
#27
Carbon Disulfide
Concen: 0.506 ppbv m
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :
C0P10

Tgt Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.3	21.5#
78	11.5	7.8	11.6

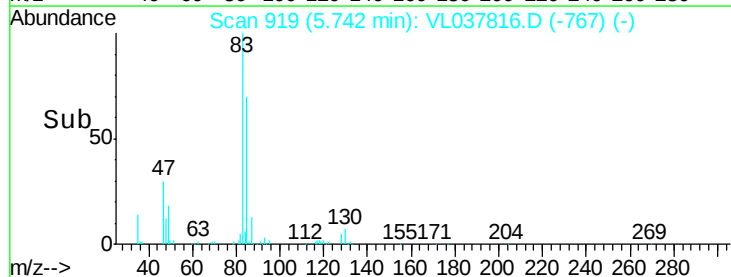
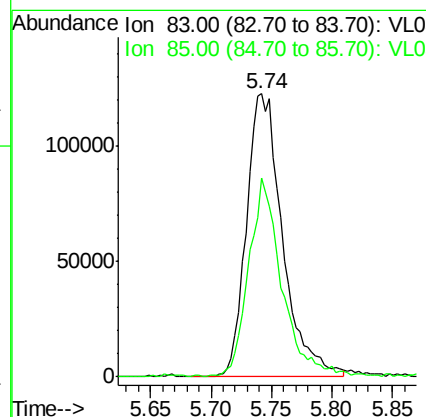
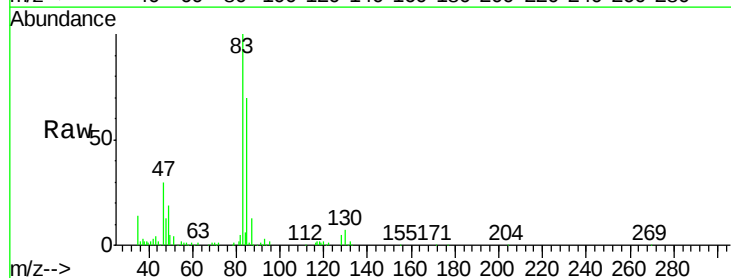
Manual Integrations
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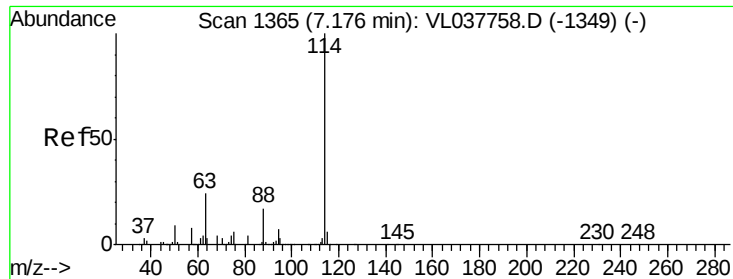
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#29
Chloroform
Concen: 1.168 ppbv m
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.1	51.8	77.8





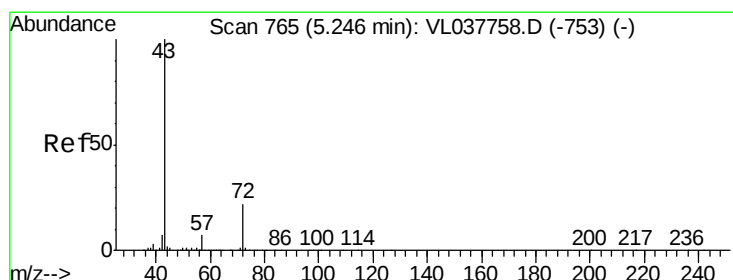
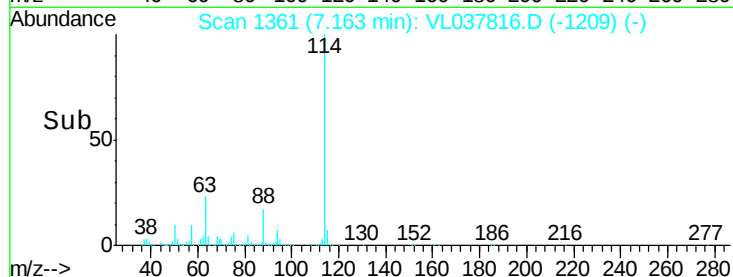
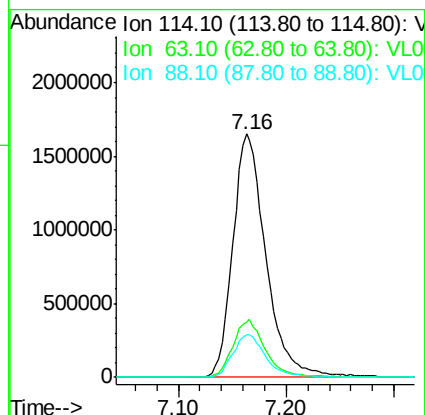
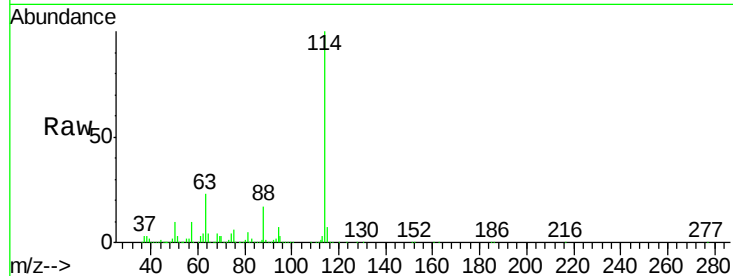
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL037816.D
 Acq: 8 Oct 2021 4:17

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P10

Tgt Ion: 114 Resp: 3518759
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.4 29.2
 88 17.7 14.4 21.6

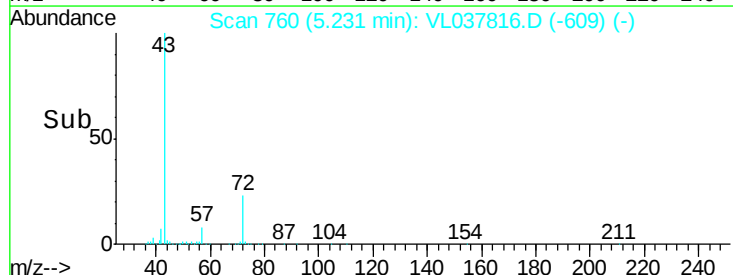
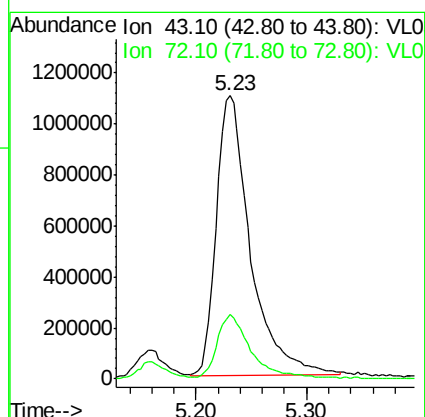
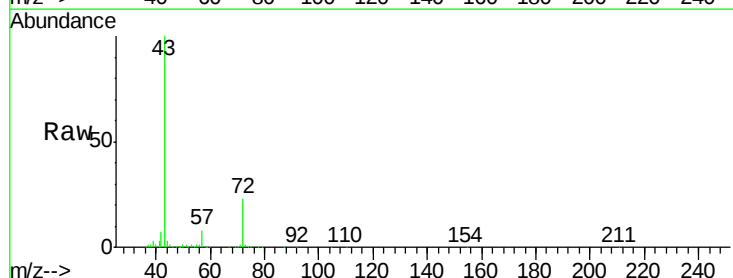
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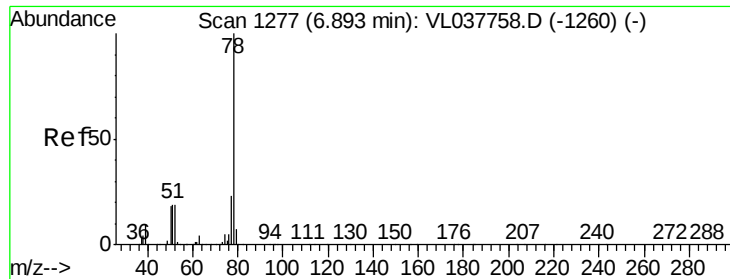
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#34
 2-Butanone
 Concen: 16.524 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037816.D
 Acq: 8 Oct 2021 4:17

Tgt Ion: 43 Resp: 2347349
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.2 27.2





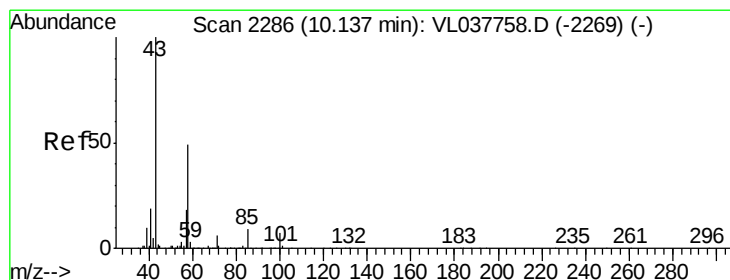
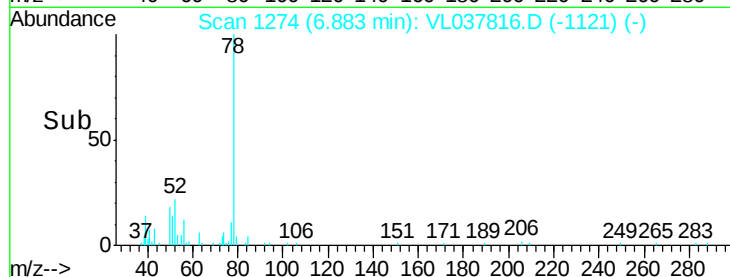
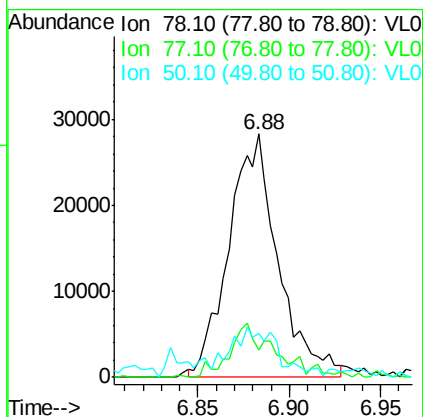
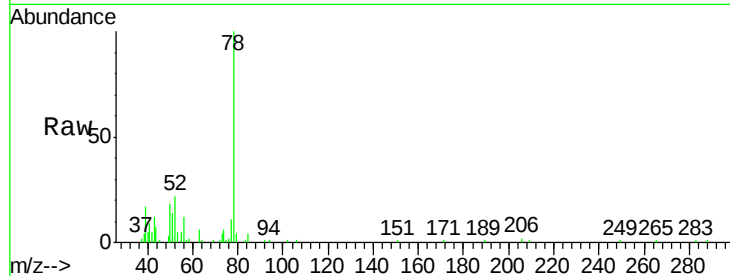
#36
Benzene
Concen: 0.176 ppbv m
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampled :
C0P10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	11.3	18.8	28.2#
50	18.0	14.7	22.1

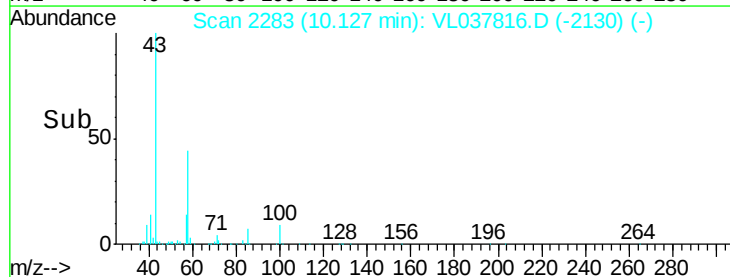
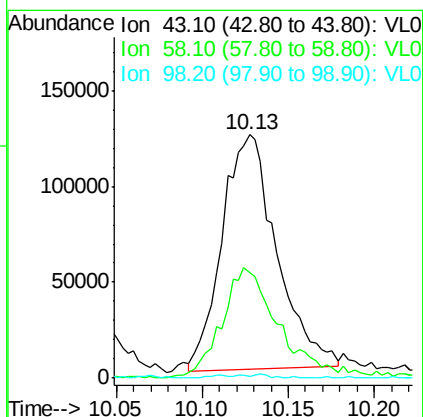
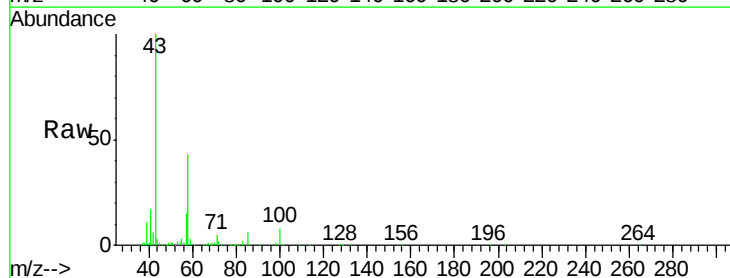
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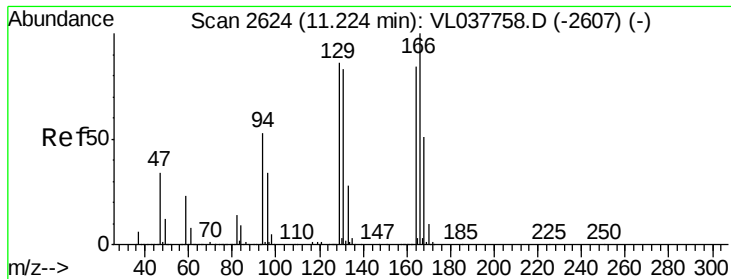
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#51
2-Hexanone
Concen: 3.293 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.1	39.4	59.0
98	1.3	0.3	0.5#





#52

Tetrachloroethene

Concen: 4.440 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL037816.D

Acq: 8 Oct 2021 4:17

Instrument :

MSVOA_L

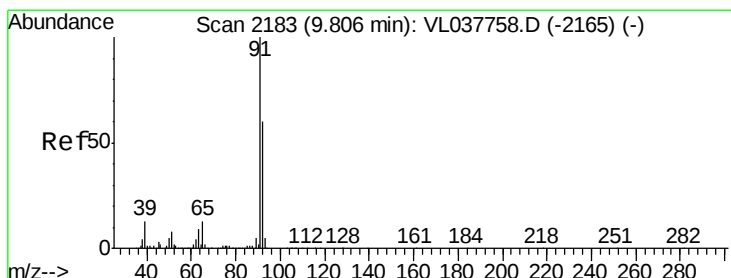
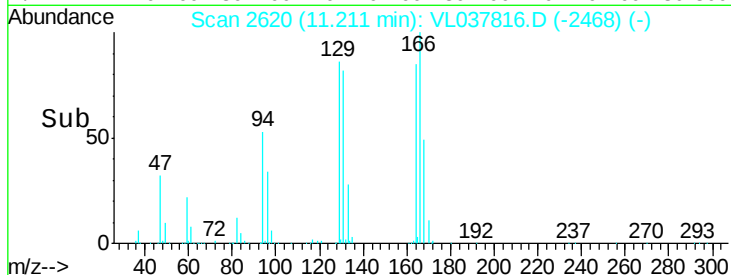
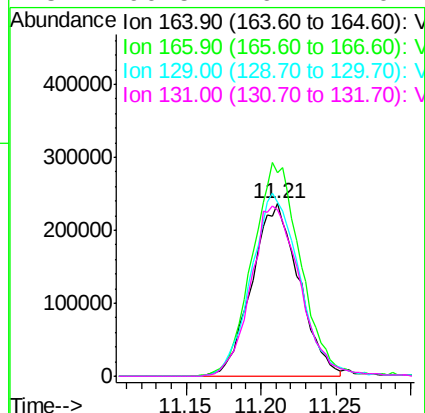
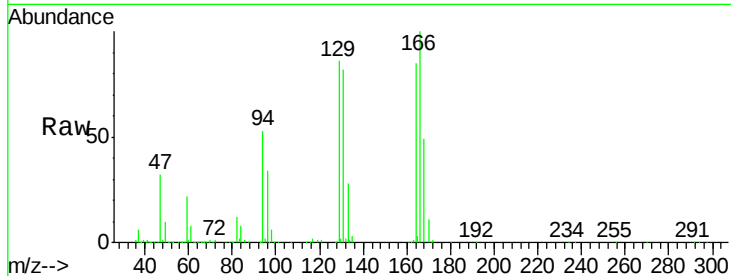
ClientSampled :

C0P10

Tgt Ion:	164	Resp:	519217
Ion Ratio	Lower	Upper	
164	100		
166	117.9	95.4	143.2
129	101.2	82.2	123.4
131	96.5	79.4	119.2

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#53

Toluene

Concen: 0.254 ppbv m

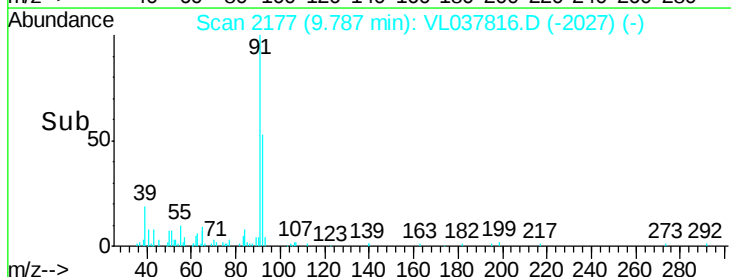
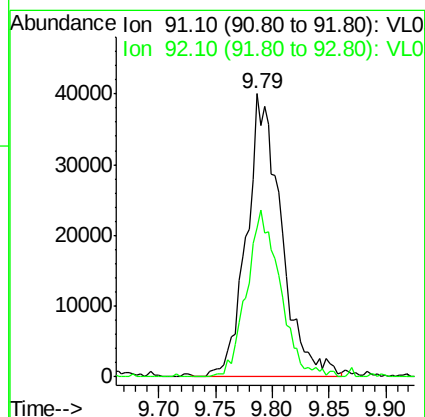
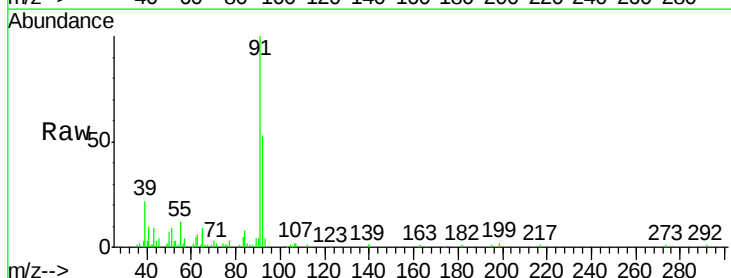
RT: 9.79 min Scan# 2177

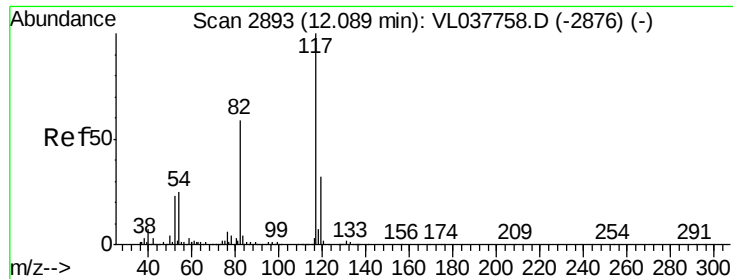
Delta R.T. -0.02 min

Lab File: VL037816.D

Acq: 8 Oct 2021 4:17

Tgt Ion:	91	Resp:	84721
Ion Ratio	Lower	Upper	
91	100		
92	0.0	48.4	72.6#





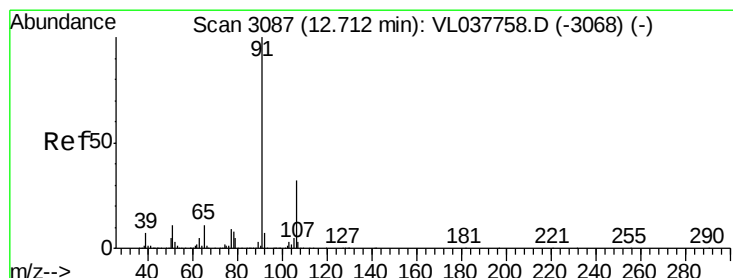
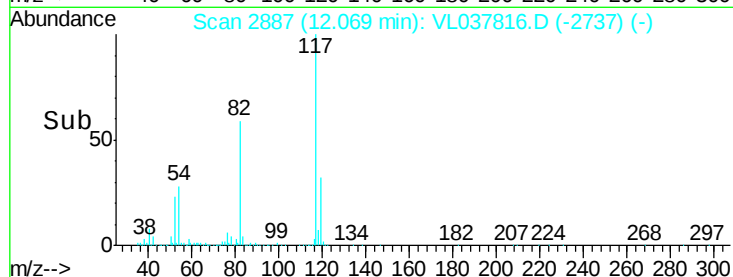
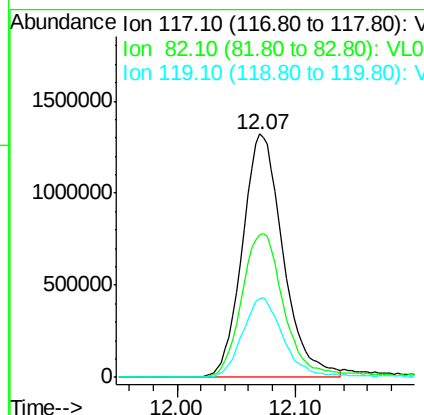
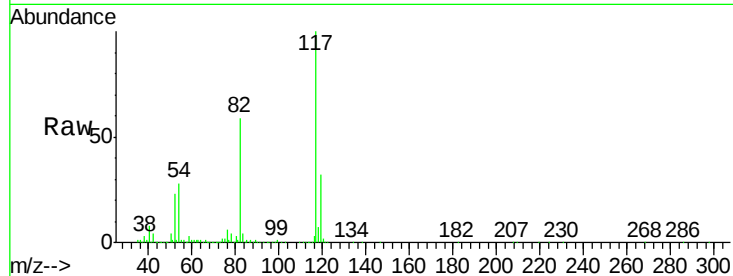
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.02 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :
C0P10

Tgt Ion: 117 Resp: 3125798
Ion Ratio Lower Upper
117 100
82 63.8 52.2 78.2
119 33.6 26.0 39.0

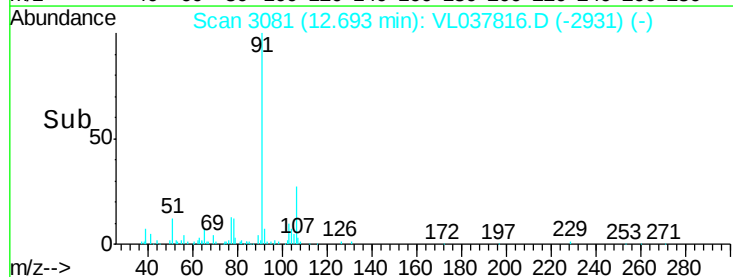
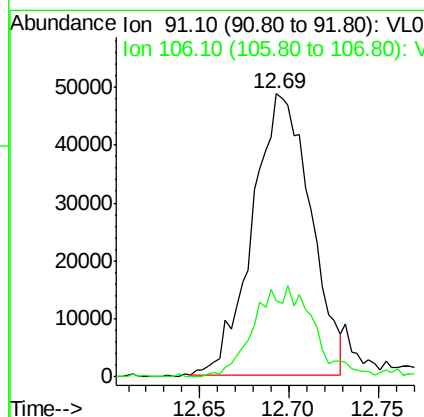
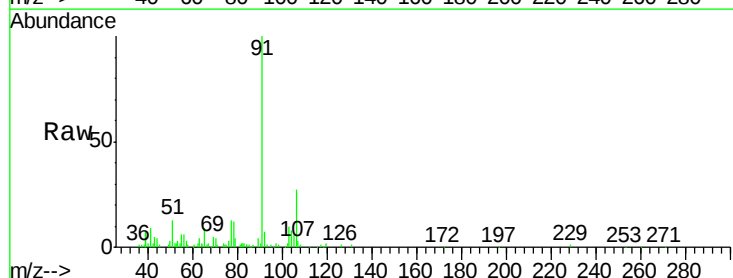
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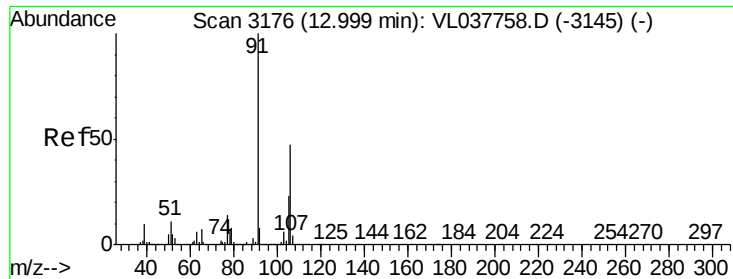
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#58
Ethyl Benzene
Concen: 0.263 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion: 91 Resp: 110192
Ion Ratio Lower Upper
91 100
106 26.9 25.3 37.9





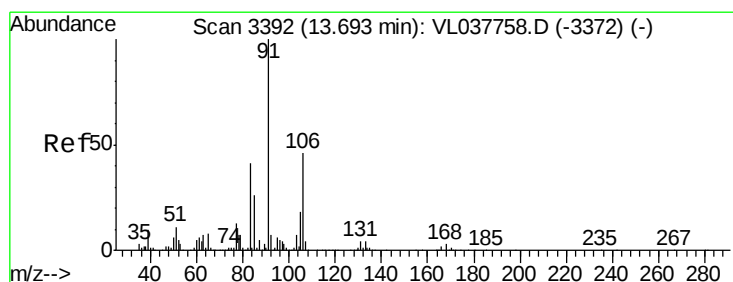
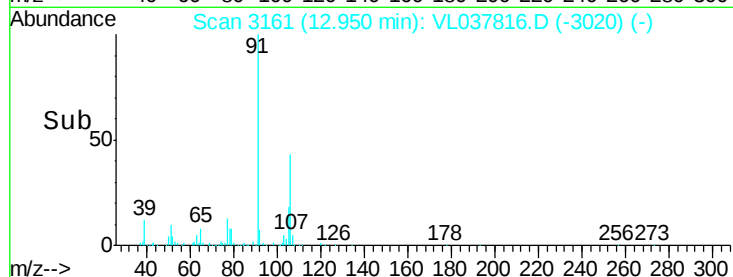
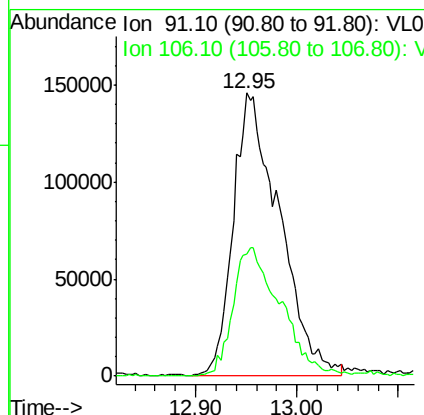
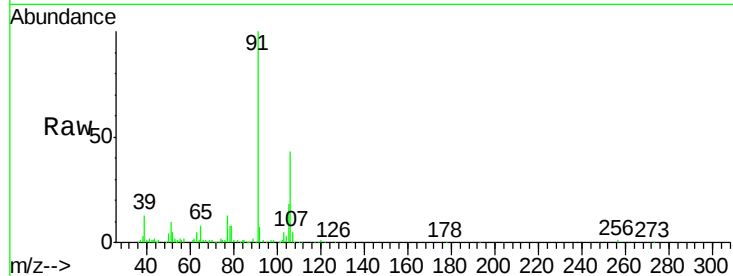
#59
m/p-Xylene
Concen: 1.280 ppbv m
RT: 12.95 min Scan# 3161
Delta R.T. -0.05 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Instrument :
MSVOA_L
ClientSampled :
COP10

Tgt Ion: 91 Resp: 461325
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#

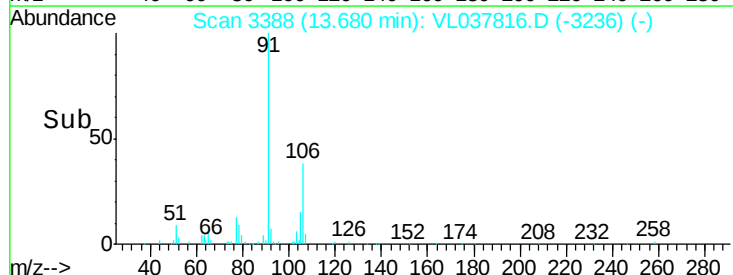
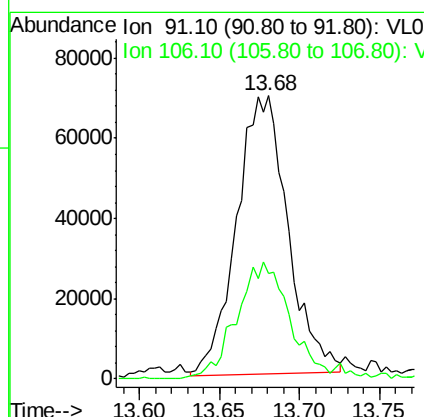
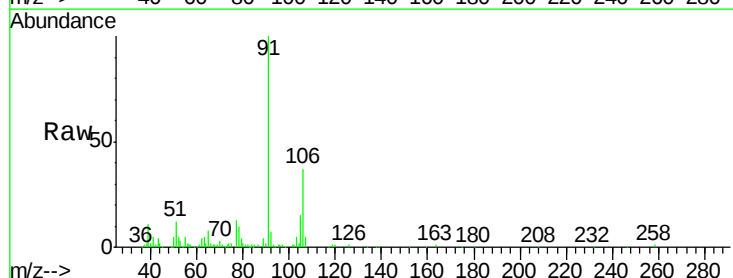
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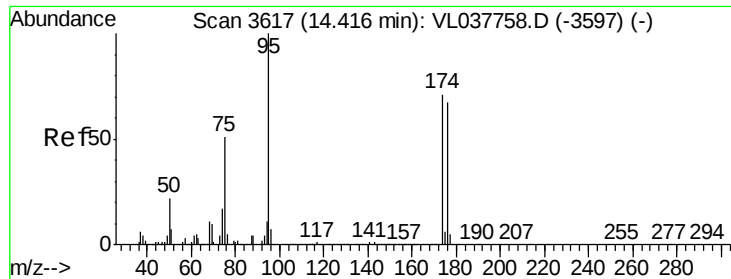
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#60
o-Xylene
Concen: 0.443 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL037816.D
Acq: 8 Oct 2021 4:17

Tgt Ion: 91 Resp: 153009
Ion Ratio Lower Upper
91 100
106 46.4 23.5 70.5





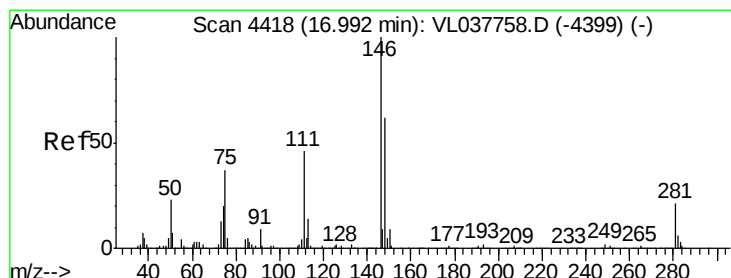
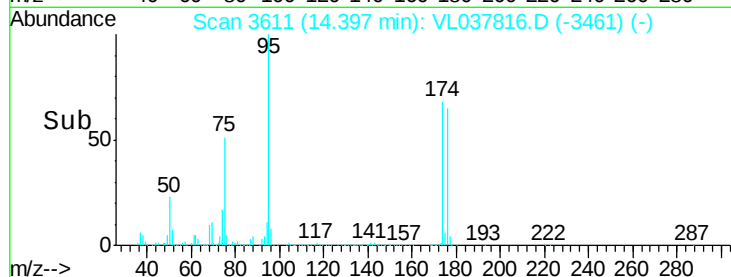
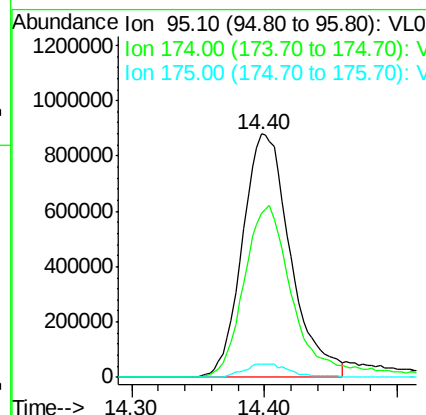
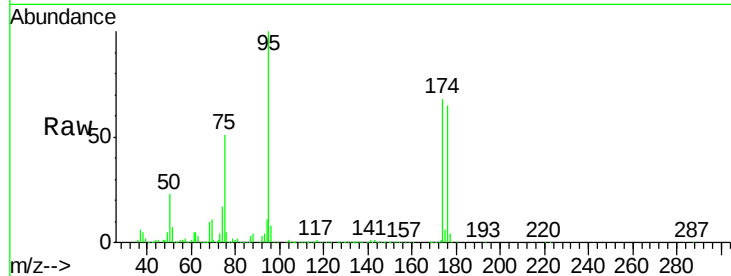
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.165 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL037816.D
 Acq: 8 Oct 2021 4:17

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P10

Tgt Ion: 95 Resp: 2221975
 Ion Ratio Lower Upper
 95 100
 174 74.4 57.8 86.6
 175 5.4 4.7 7.1

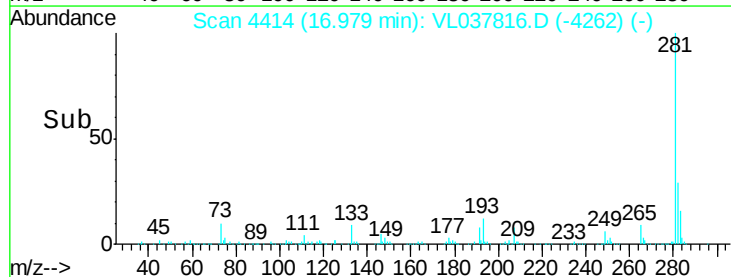
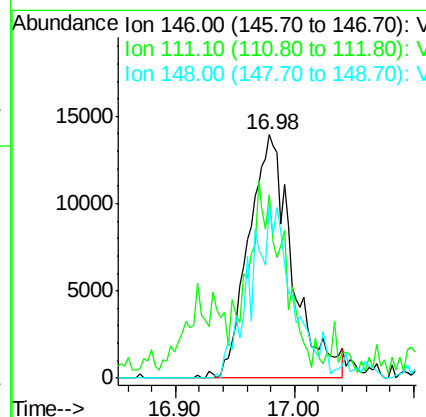
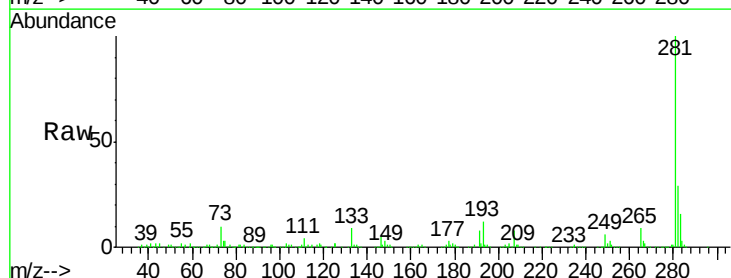
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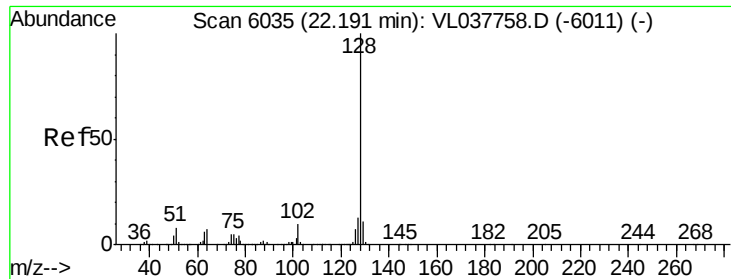
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#75
 1,3-Dichlorobenzene
 Concen: 0.156 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.01 min
 Lab File: VL037816.D
 Acq: 8 Oct 2021 4:17

Tgt Ion: 146 Resp: 36164
 Ion Ratio Lower Upper
 146 100
 111 78.1 22.8 68.4#
 148 72.8 32.8 98.3





#79

Naphthalene

Concen: 0.214 ppbv m

RT: 22.18 min Scan# 6030

Delta R.T. -0.02 min

Lab File: VL037816.D

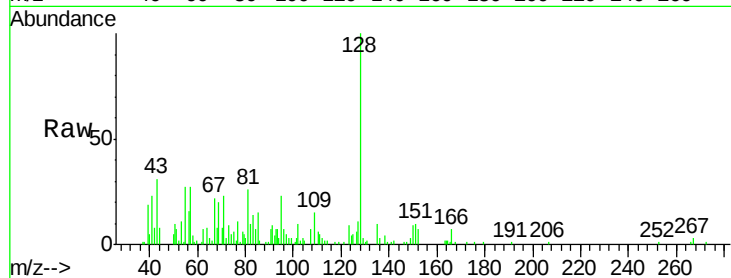
Acq: 8 Oct 2021 4:17

Instrument :

MSVOA_L

ClientSampleId :

C0P10



Tgt Ion	Ratio	Resp	Lower	Upper
128	100	49080		
127	10.7		10.1	15.1
129	2.8		9.1	13.7#

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