

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037360.D
 Acq On : 7 Aug 2021 1:59
 Operator : SY/AP
 Sample : M3157-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
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 8/10/2021 6:10:04 PM

Quant Time: Aug 07 04:43:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	845235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2841699	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2344417	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1667390	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	40135	0.210	ppbv	97
3) Chlorodifluoromethane	2.98	51	233840m	1.387	ppbv	
4) Chloromethane	3.13	50	12241m	0.212	ppbv	
9) Propene	3.02	41	15535	0.275	ppbv	96
11) Trichlorofluoromethane	3.94	101	72398	0.441	ppbv	97
13) Ethanol	3.61	45	85264m	8.172	ppbv	
15) Acetone	3.85	43	499139	5.667	ppbv #	86
19) Isopropyl Alcohol	3.97	45	86222m	1.617	ppbv	
20) Methylene Chloride	4.34	84	430806	5.840	ppbv	97
26) Hexane	5.68	57	197903	1.608	ppbv #	51
29) Chloroform	5.74	83	75833	0.459	ppbv	88
30) Cyclohexane	7.15	84	10758m	0.112	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	397361	4.089	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	68930m	0.394	ppbv	
34) 2-Butanone	5.25	43	44385	0.465	ppbv #	69
35) Carbon Tetrachloride	7.00	117	7825m	0.044	ppbv	
36) Benzene	6.88	78	61059	0.280	ppbv #	95
38) Trichloroethene	7.82	130	3475m	0.033	ppbv	
41) Tetrahydrofuran	6.08	42	10248m	0.218	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	82936	0.228	ppbv	91
52) Tetrachloroethene	11.21	164	26037m	0.251	ppbv	
53) Toluene	9.80	91	299622	1.180	ppbv	99
58) Ethyl Benzene	12.69	91	31068m	0.101	ppbv	
59) m/p-Xylene	12.95	91	80123m	0.301	ppbv	
60) o-Xylene	13.68	91	29222	0.118	ppbv	89
74) 1,2,4-Trimethylbenzene	16.75	105	35820m	0.124	ppbv	

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

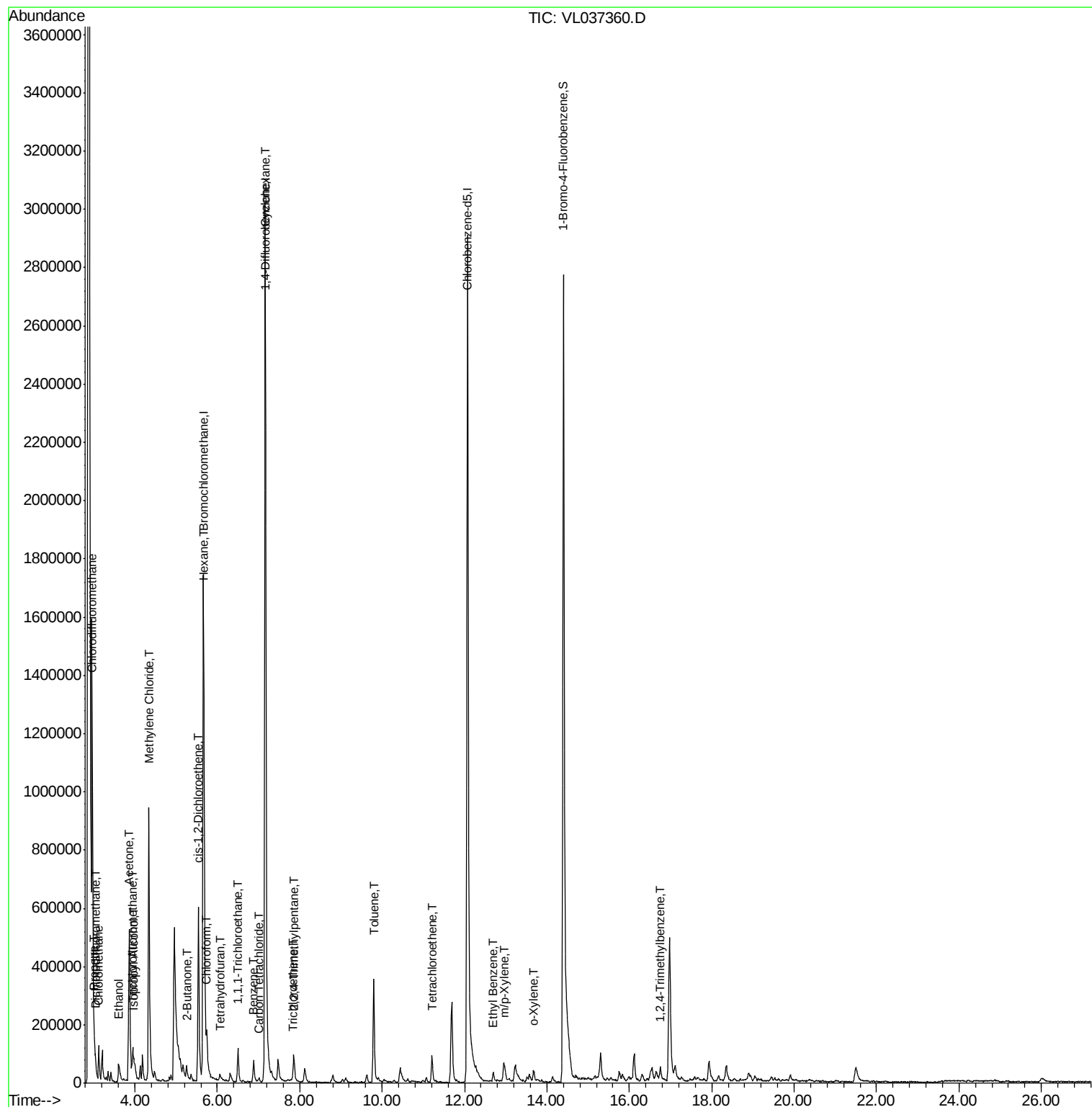
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037360.D
Acq On : 7 Aug 2021 1:59
Operator : SY/AP
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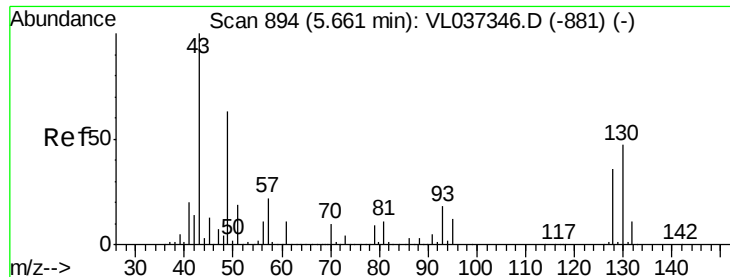
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Manual Integrations
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Quant Time: Aug 07 04:43:50 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 17:52:04 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037360.D

Acq: 7 Aug 2021 1:59

Instrument :

MSVOA_L

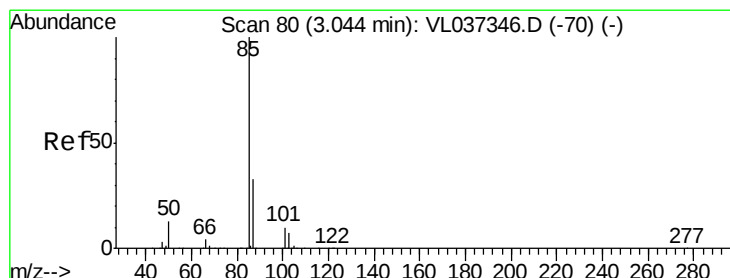
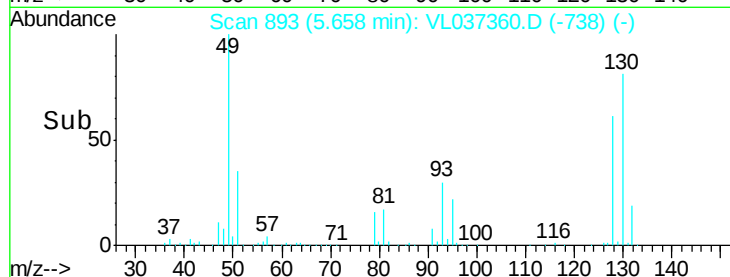
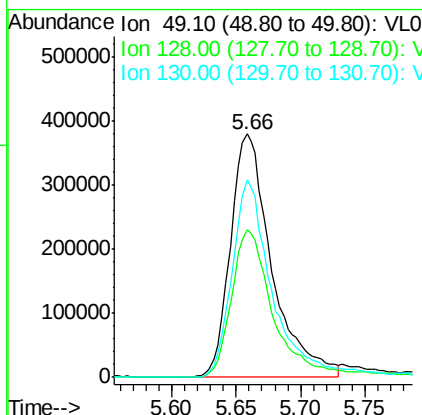
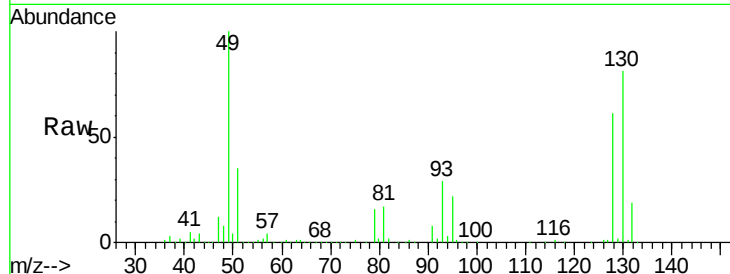
ClientSampleId :

SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
49	100		
128	63.0	32.1	96.3
130	82.4	40.0	120.0

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#2

Dichlorodifluoromethane

Concen: 0.210 ppbv

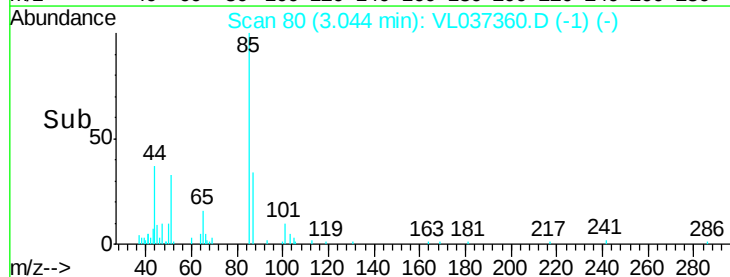
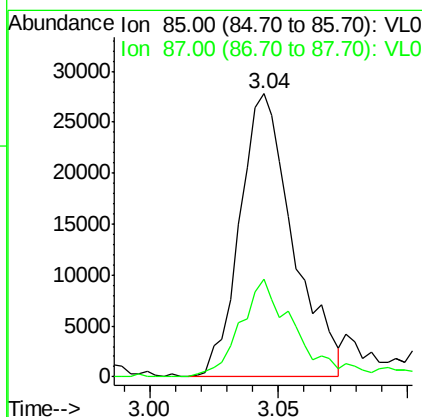
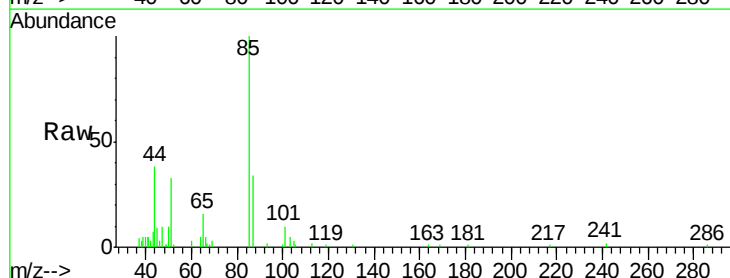
RT: 3.04 min Scan# 80

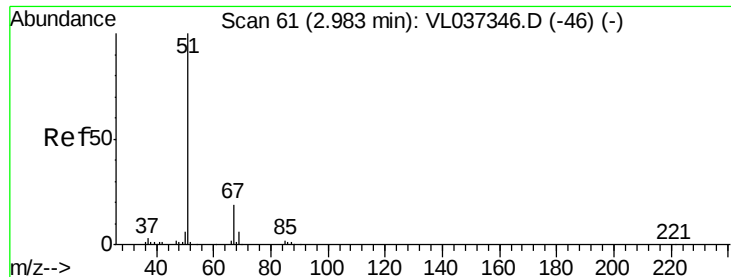
Delta R.T. 0.00 min

Lab File: VL037360.D

Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.5	26.4	39.6





#3

Chlorodifluoromethane

Concen: 1.387 ppbv m

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037360.D

Acq: 7 Aug 2021 1:59

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENT

Tot Ion: 51 Resp: 233840

Ion Ratio Lower Upper

51 100

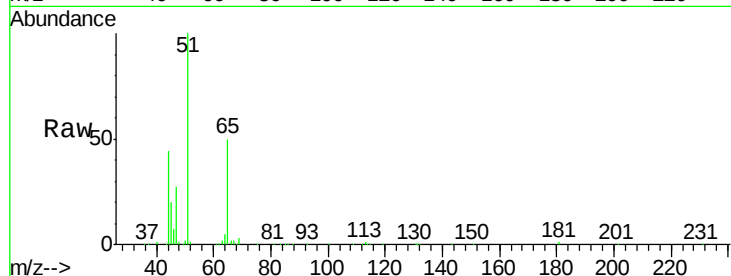
67 4.6 15.6 23.4#

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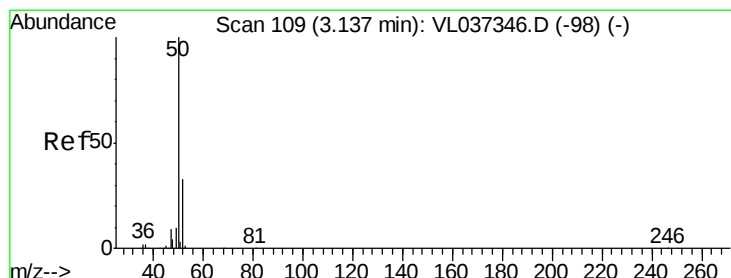
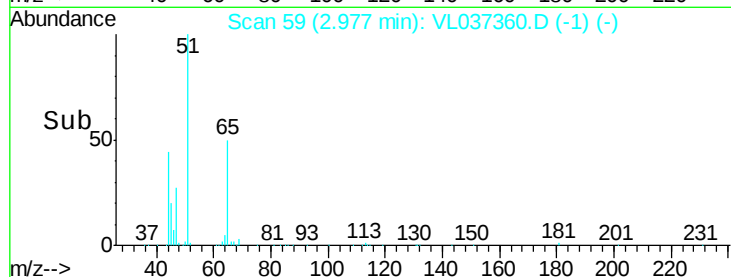
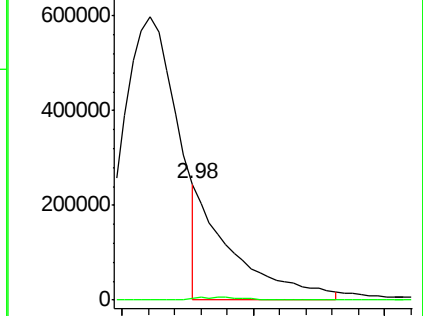
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.212 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037360.D

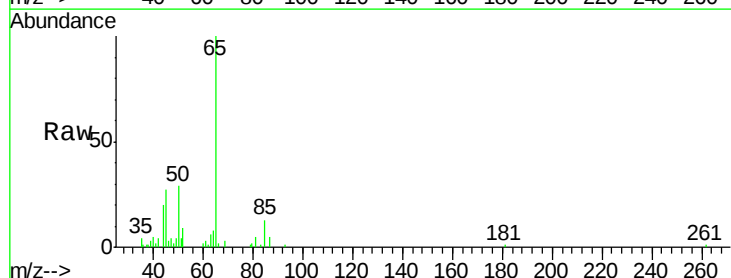
Acq: 7 Aug 2021 1:59

Tgt Ion: 50 Resp: 12241

Ion Ratio Lower Upper

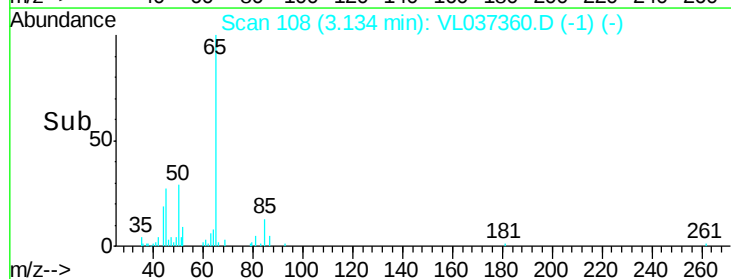
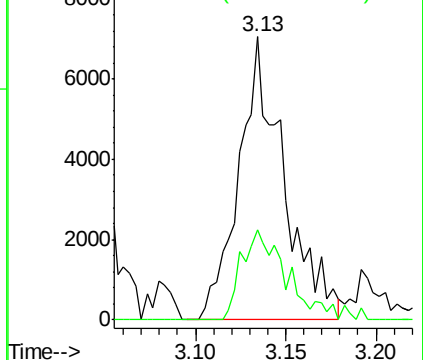
50 100

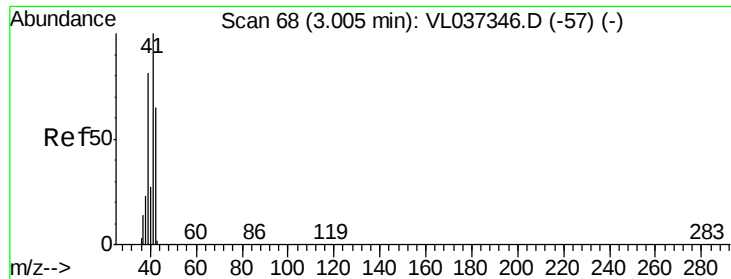
52 31.7 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





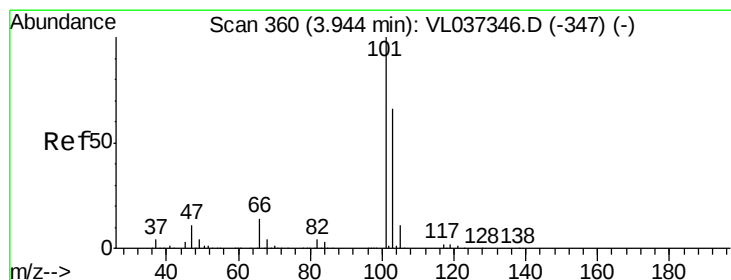
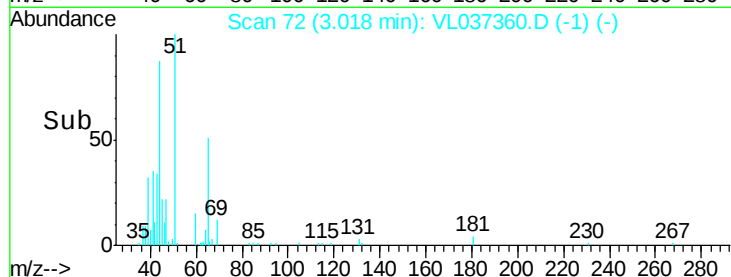
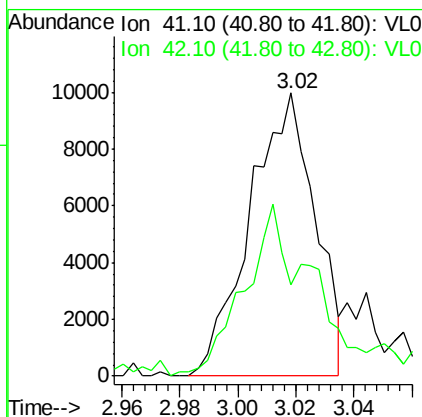
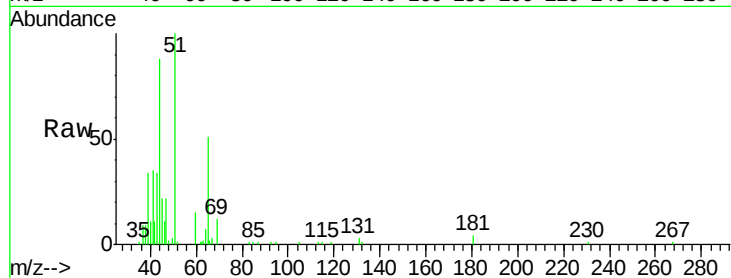
#9
 Propene
 Concen: 0.275 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037360.D
 Acq: 7 Aug 2021 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Tot Ion	41	Resp	15535
Ion Ratio	100	Lower	Upper
42	64.5	54.3	81.5

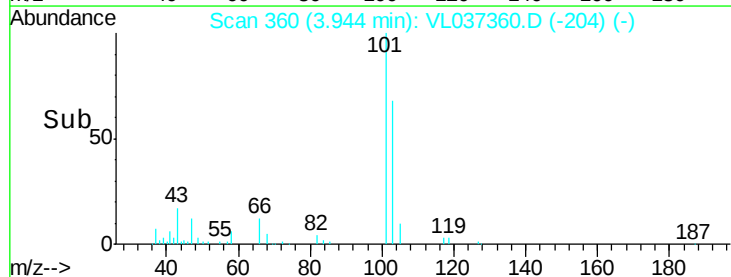
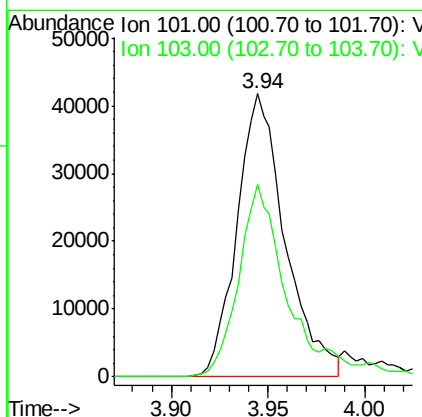
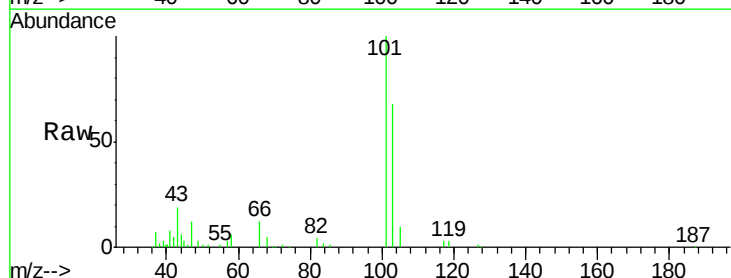
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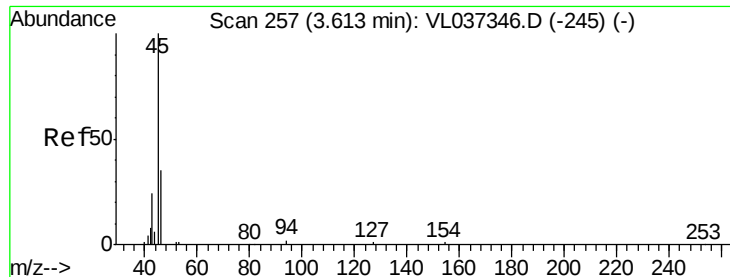
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#11
 Trichlorofluoromethane
 Concen: 0.441 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL037360.D
 Acq: 7 Aug 2021 1:59

Tgt Ion	101	Resp	72398
Ion Ratio	100	Lower	Upper
103	68.2	52.5	78.7





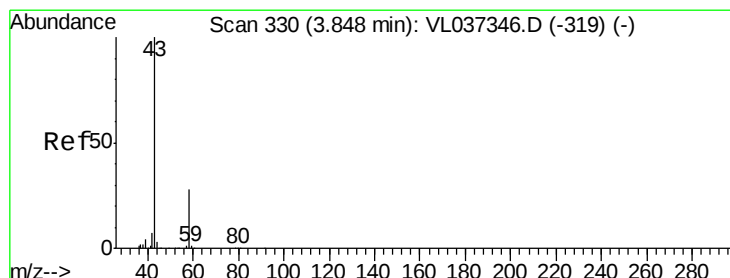
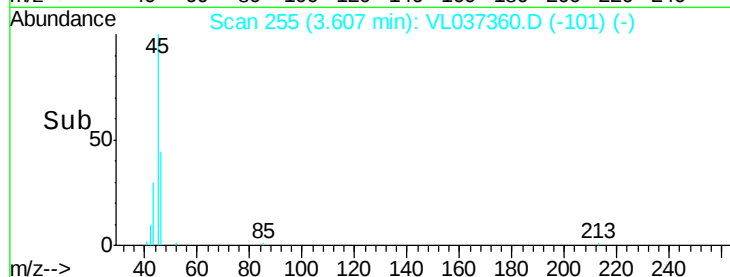
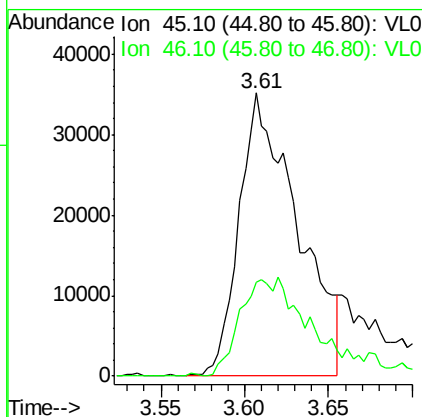
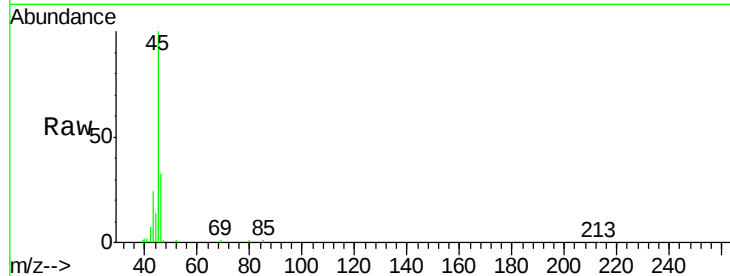
#13
Ethanol
Concen: 8.172 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion: 45 Resp: 85264
Ion Ratio Lower Upper
45 100
46 0.0 15.7 62.9#

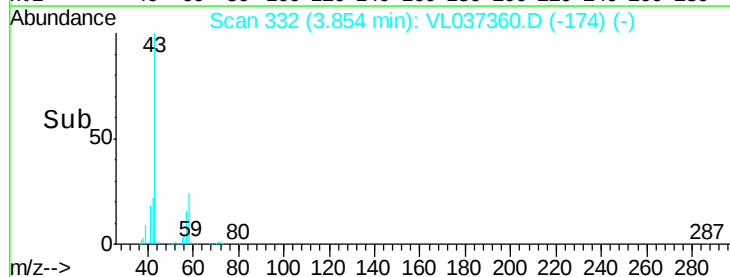
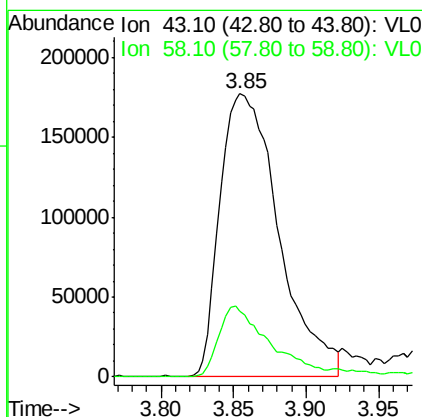
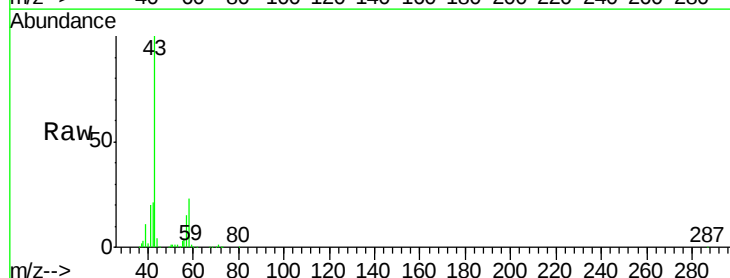
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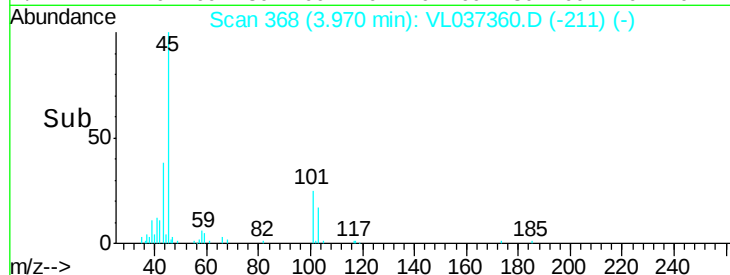
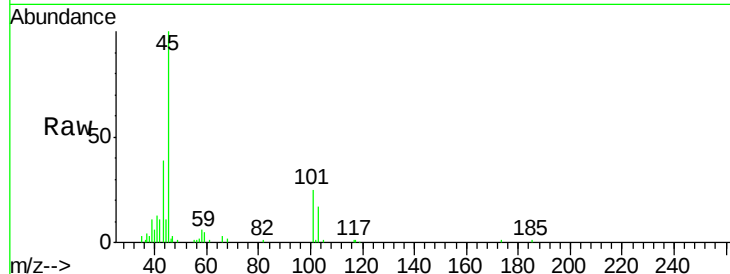
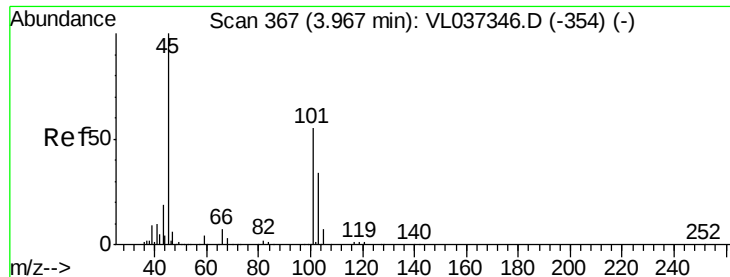
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#15
Acetone
Concen: 5.667 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion: 43 Resp: 499139
Ion Ratio Lower Upper
43 100
58 23.2 24.6 36.8#





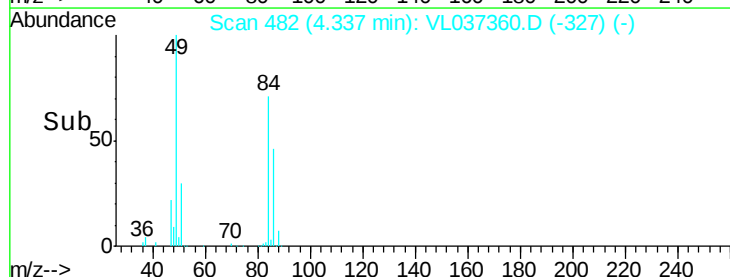
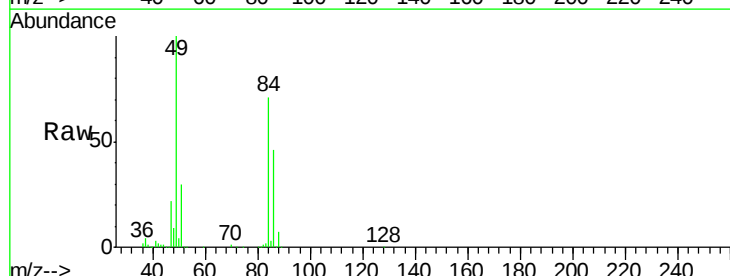
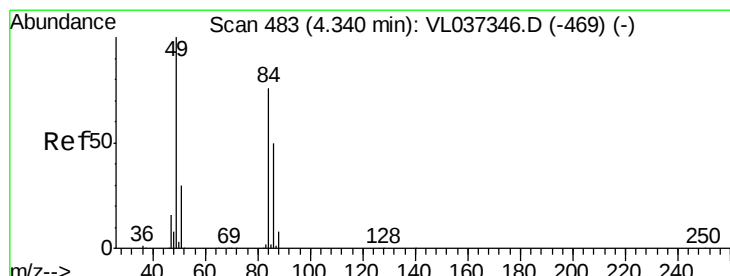
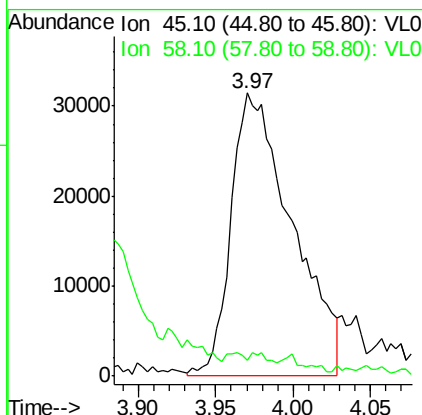
#19
Isopropyl Alcohol
Concen: 1.617 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tot Ion: 45 Resp: 86222
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

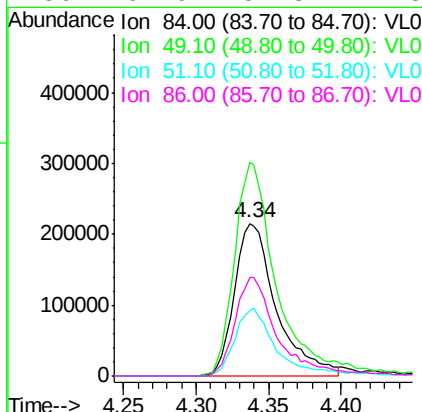
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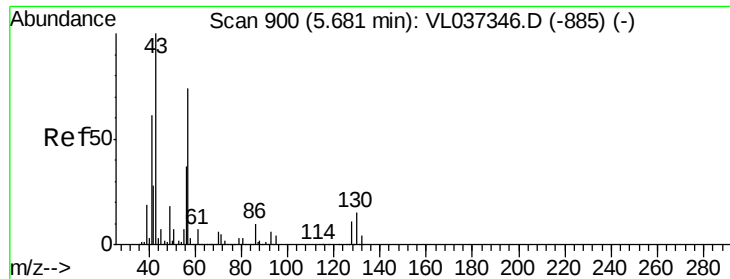
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#20
Methylene Chloride
Concen: 5.840 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion: 84 Resp: 430806
Ion Ratio Lower Upper
84 100
49 140.2 107.3 160.9
51 42.5 33.0 49.4
86 64.9 51.8 77.8





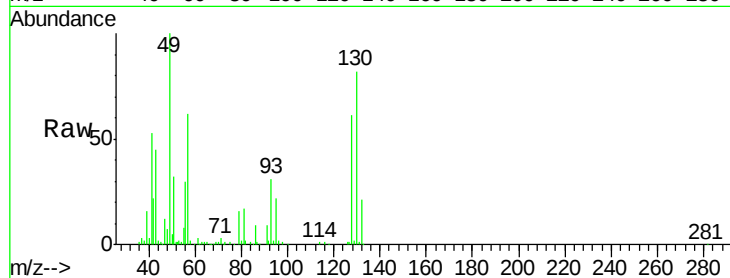
#26
Hexane
Concen: 1.608 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
57	100		
41	91.2	69.2	103.8
43	82.0	162.1	243.1#
56	55.2	42.2	63.4

Manual Integrations
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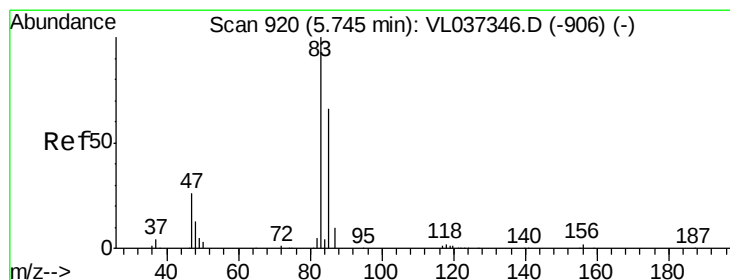
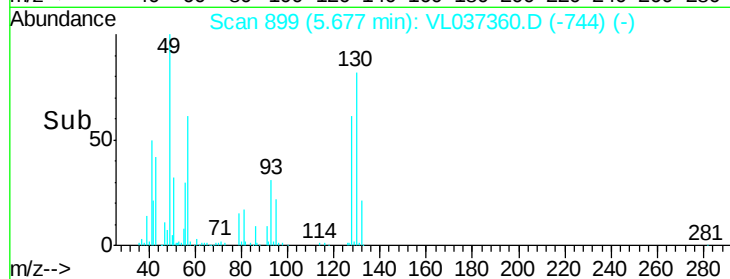
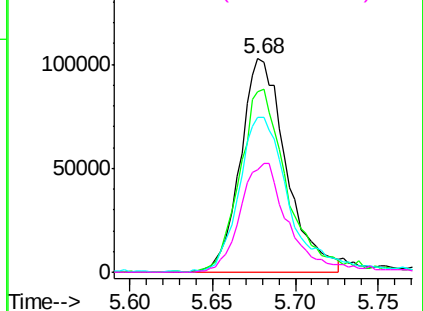
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

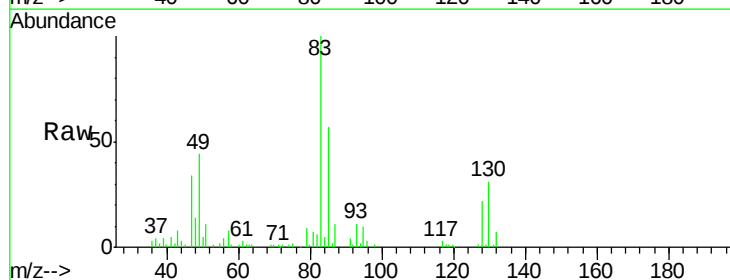
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29
Chloroform
Concen: 0.459 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

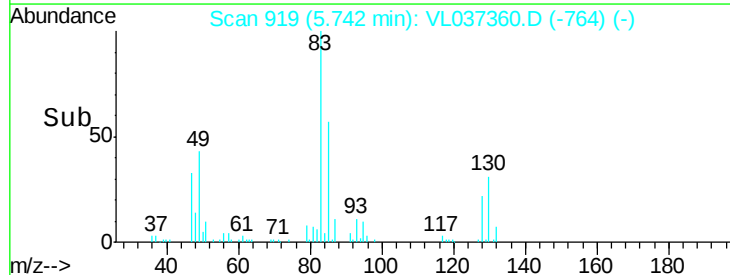
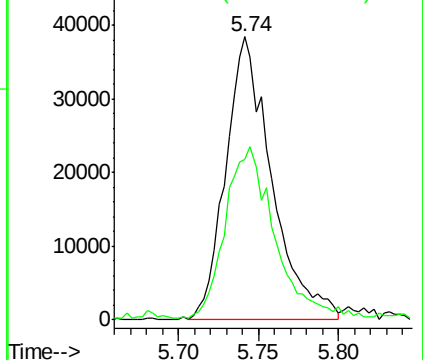
Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.4	53.1	79.7

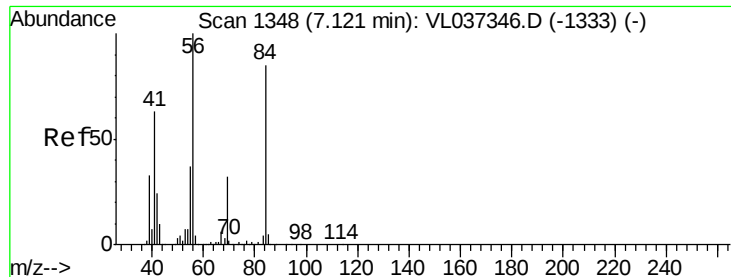


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





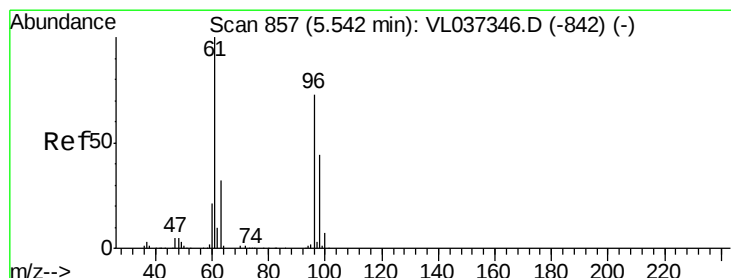
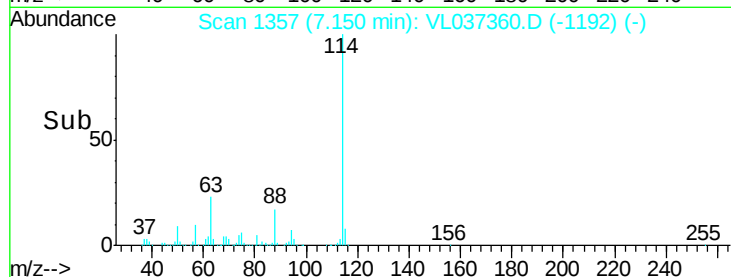
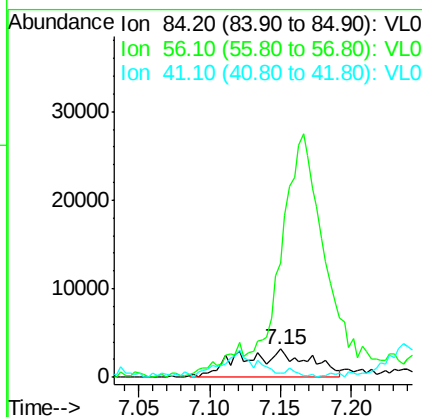
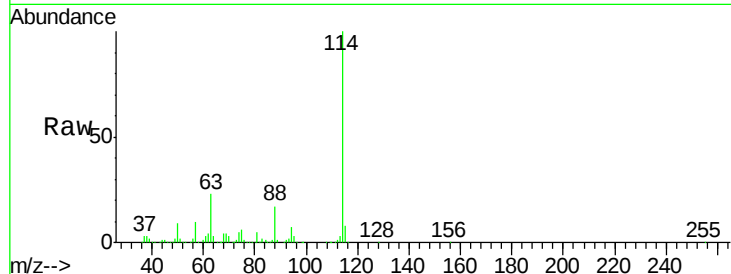
#30
Cvclohexane
Concen: 0.112 ppbv m
RT: 7.15 min Scan# 1357
Delta R.T. 0.03 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
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SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.5	155.3#
41	53.7	61.4	92.2#

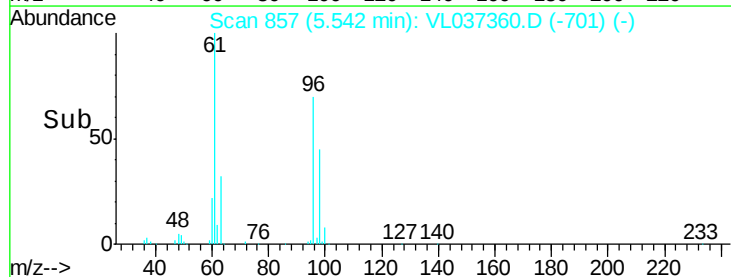
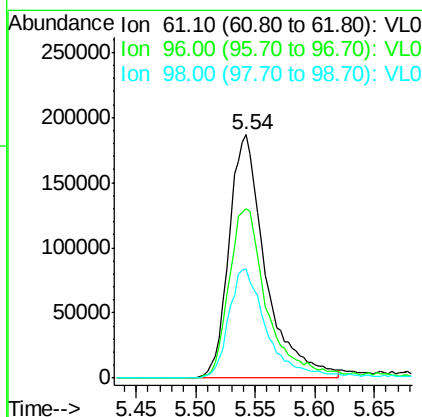
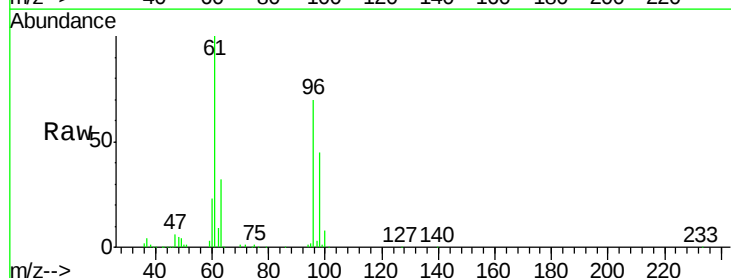
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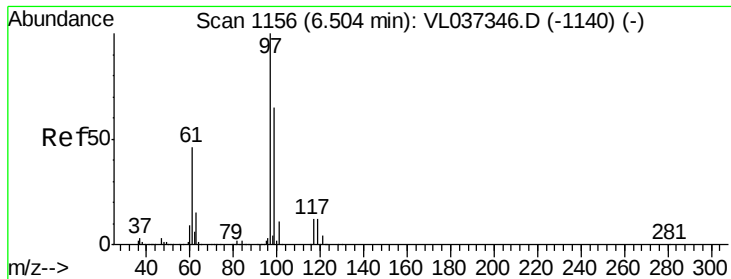
MMDadoda
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#31
cis-1,2-Dichloroethene
Concen: 4.089 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
61	100		
96	69.6	58.5	87.7
98	44.9	35.1	52.7





#32

1,1,1-Trichloroethane

Concen: 0.394 ppbv m

RT: 6.50 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VL037360.D

Acq: 7 Aug 2021 1:59

Instrument :

MSVOA_L

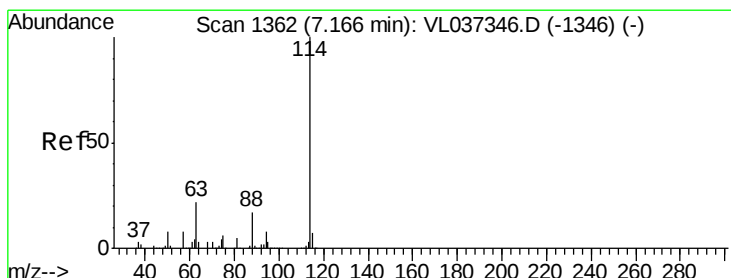
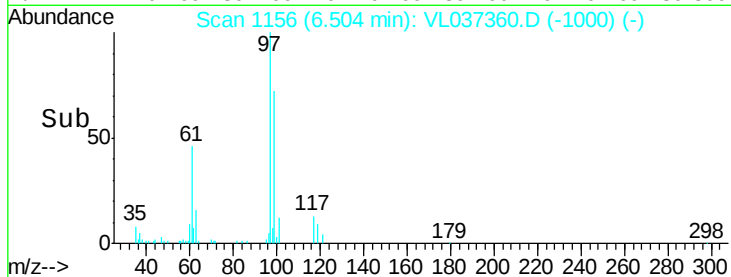
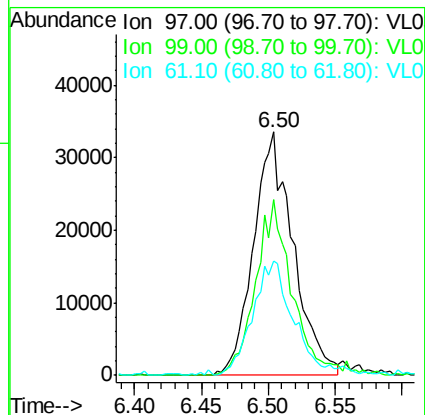
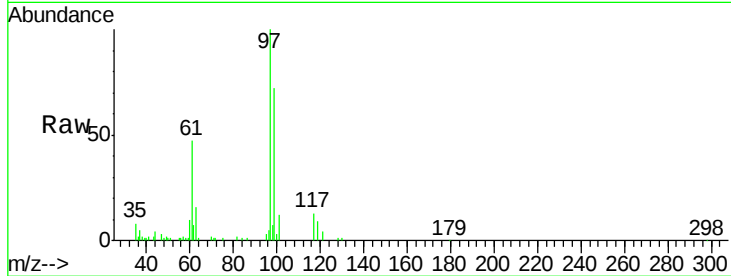
ClientSampleId :

SVE-EFFLUENT

Tot Ion:	97	Resp:	68930
Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.8	77.6
61	49.4	37.0	55.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

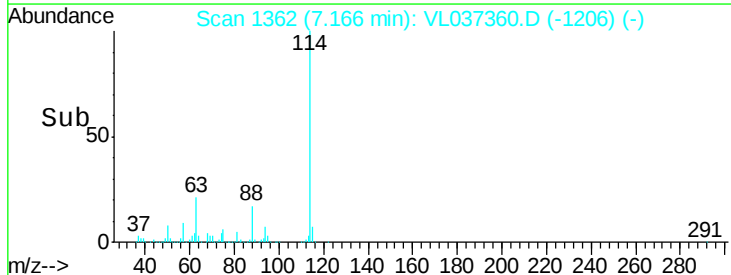
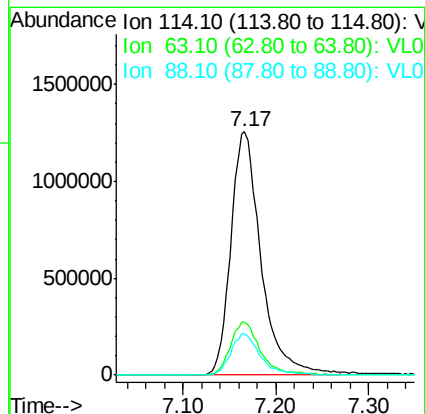
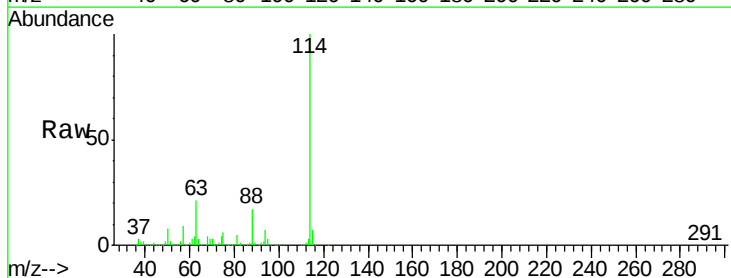
RT: 7.17 min Scan# 1362

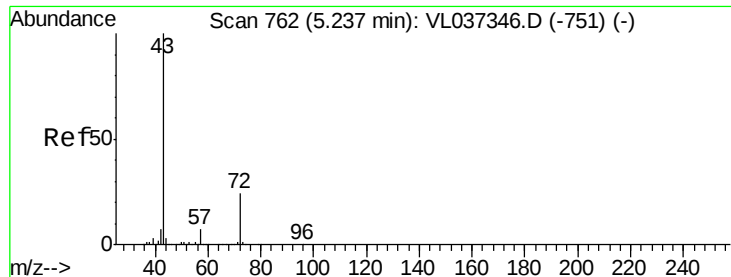
Delta R.T. 0.00 min

Lab File: VL037360.D

Acq: 7 Aug 2021 1:59

Tgt Ion:	114	Resp:	2841699
Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.8	26.6
88	17.0	13.5	20.3





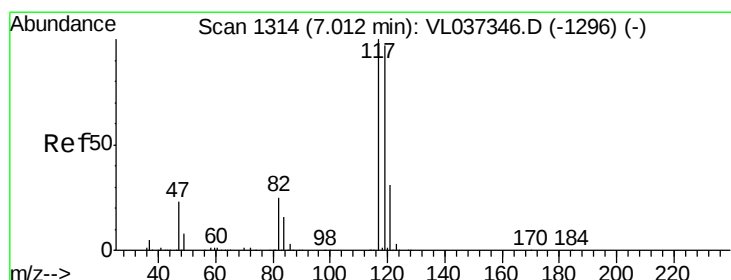
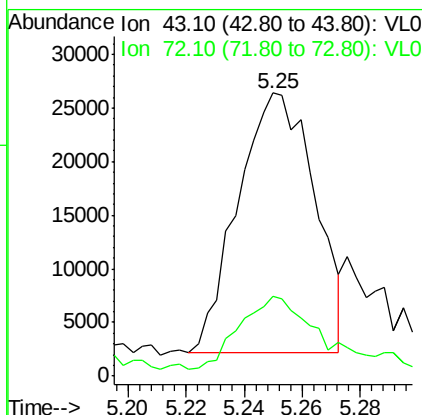
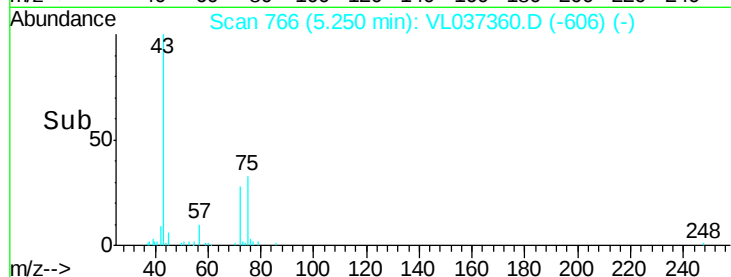
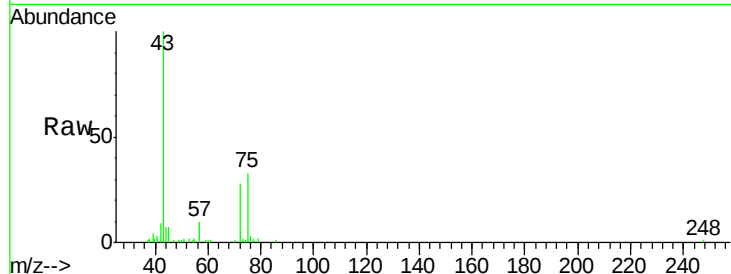
#34
2-Butanone
Concen: 0.465 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion: 43 Resp: 44385
Ion Ratio Lower Upper
43 100
72 40.1 19.8 29.6#

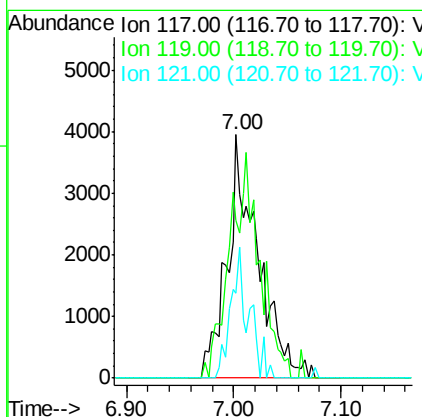
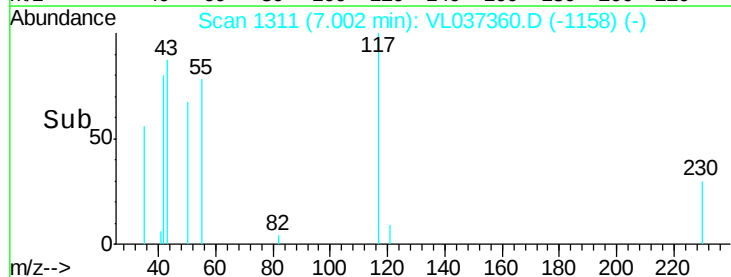
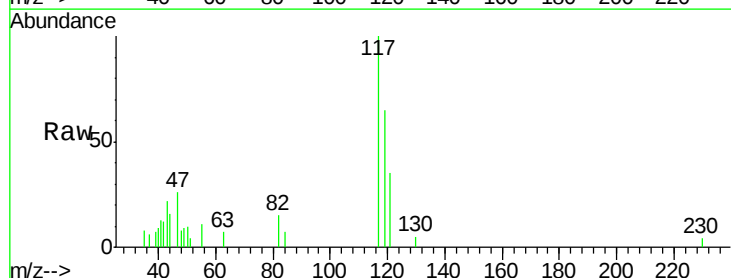
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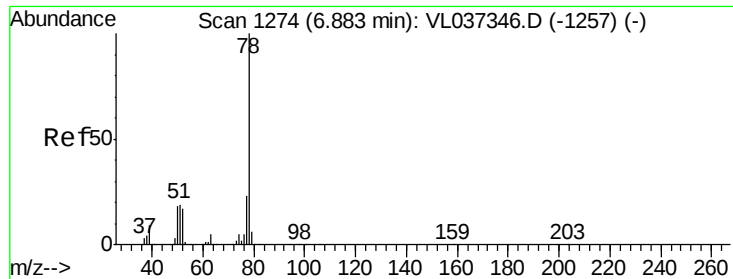
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#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. -0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion: 117 Resp: 7825
Ion Ratio Lower Upper
117 100
119 64.8 77.8 116.8#
121 34.7 24.6 36.8





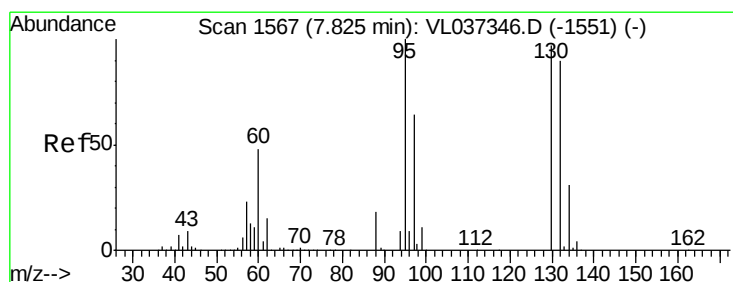
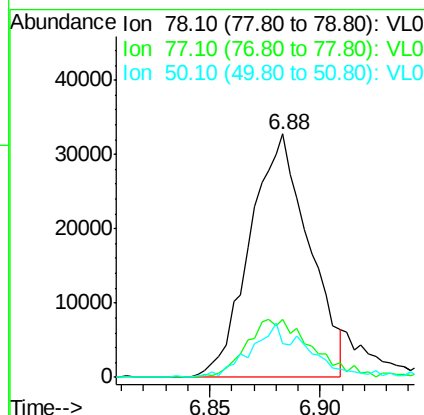
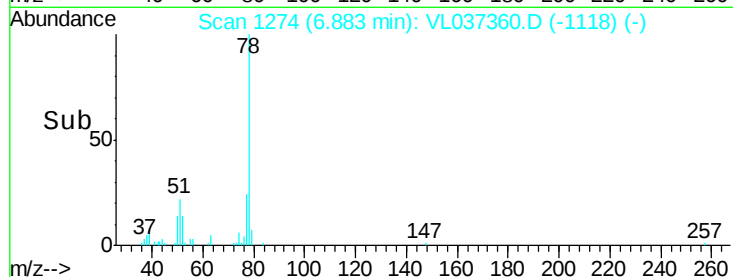
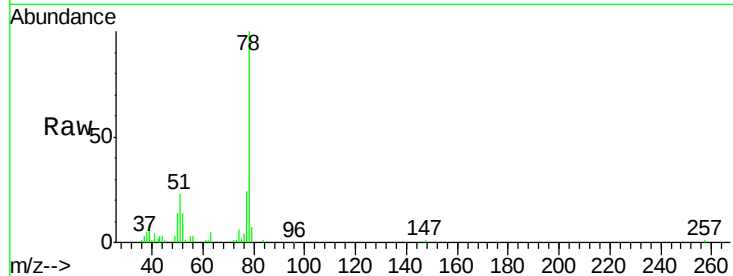
#36
Benzene
Concen: 0.280 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1
50	13.7	14.6	22.0#

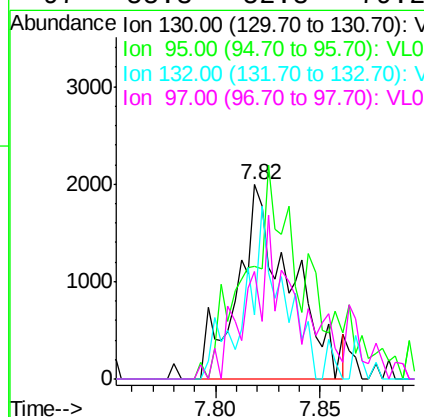
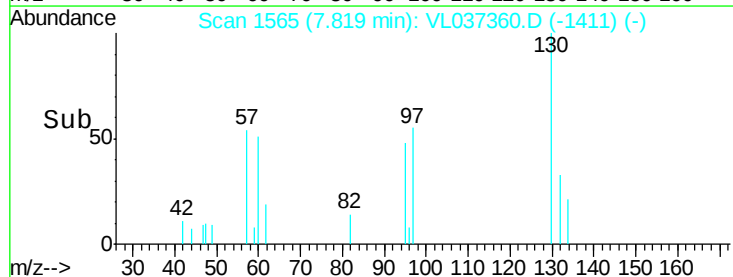
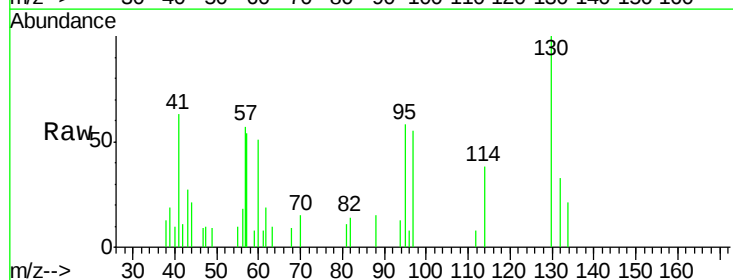
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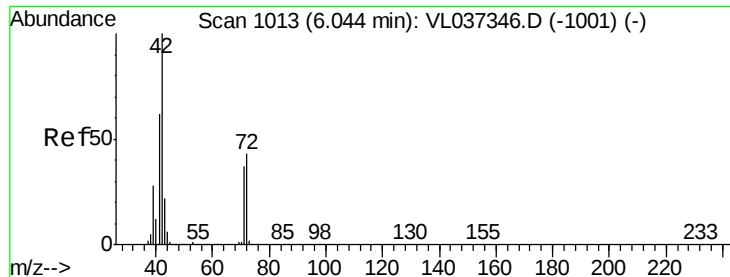
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#38
Trichloroethene
Concen: 0.033 ppbv m
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	58.0	82.8	124.2#
132	33.2	74.9	112.3#
97	55.3	52.8	79.2





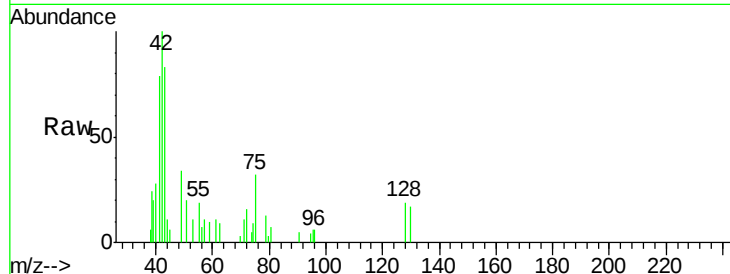
#41
Tetrahydrofuran
Concen: 0.218 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

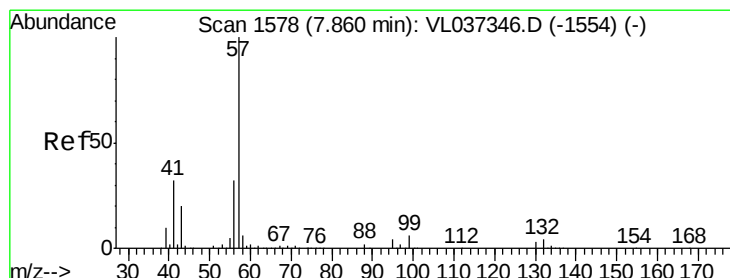
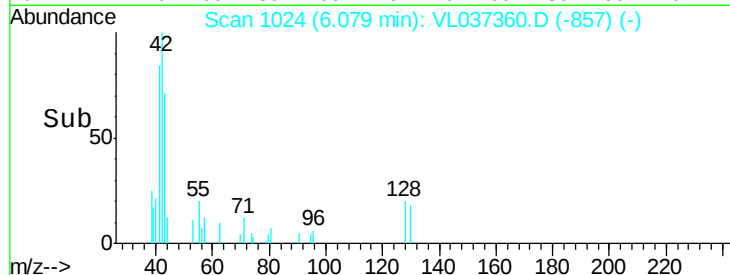
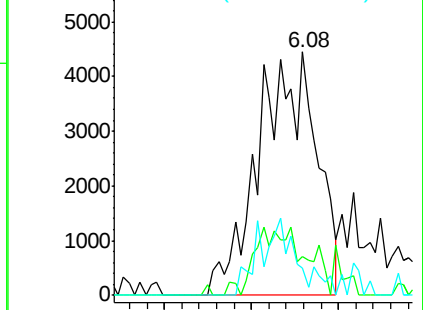
Tot Ion	Ratio	Lower	Upper
42	100		
72	28.2	35.6	53.4#
71	0.0	33.8	50.6#

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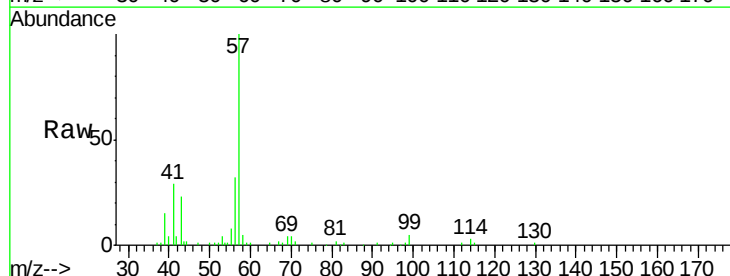


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

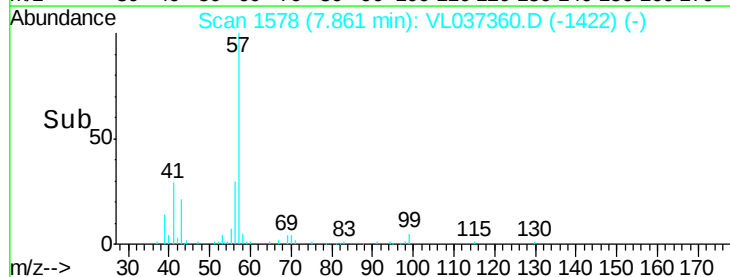
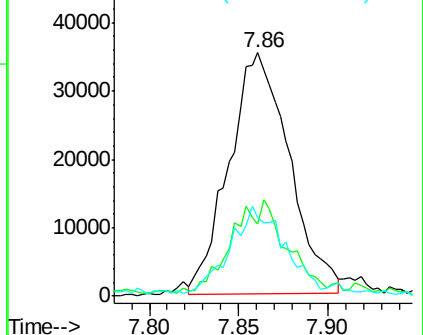


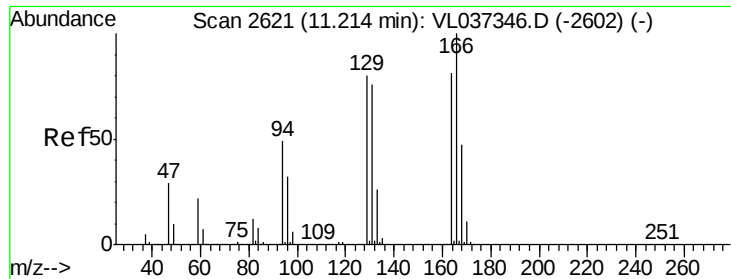
#44
2,2,4-Trimethylpentane
Concen: 0.228 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.3	26.1	39.1
56	37.2	25.0	37.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





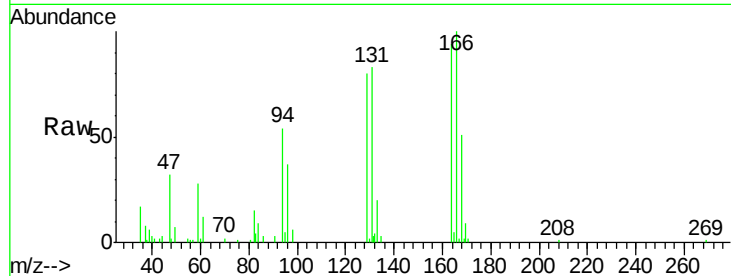
#52
Tetrachloroethene
Concen: 0.251 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
164	100		
166	105.9	99.4	149.0
129	85.1	79.2	118.8
131	87.6	75.4	113.0

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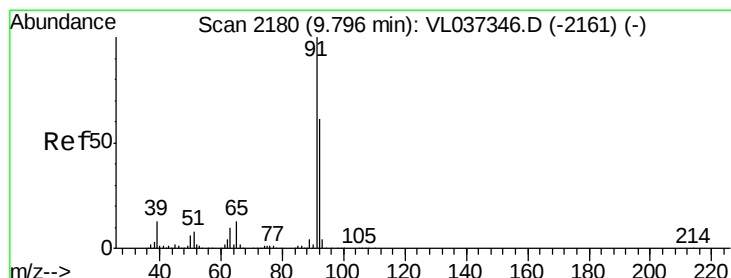
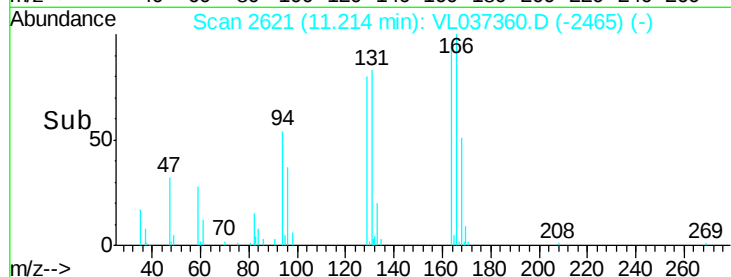
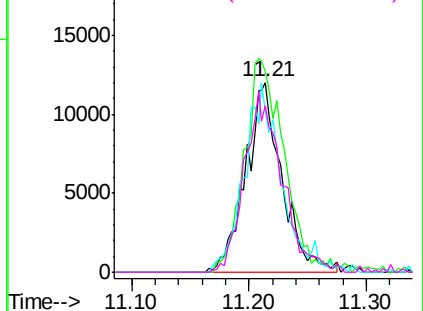
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

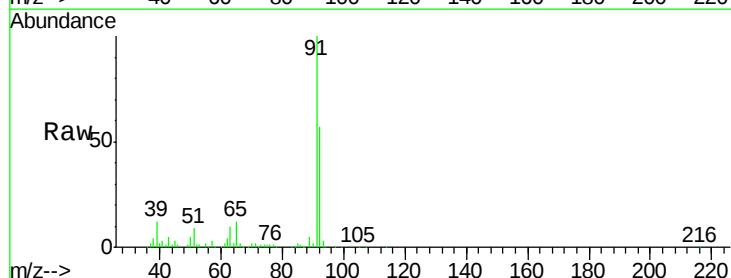
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53
Toluene
Concen: 1.180 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

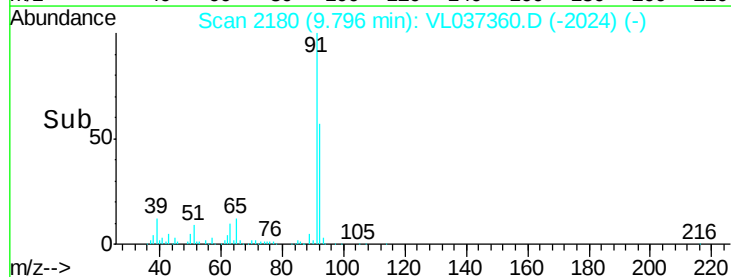
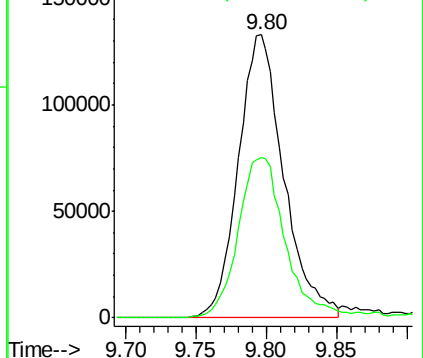
Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.4

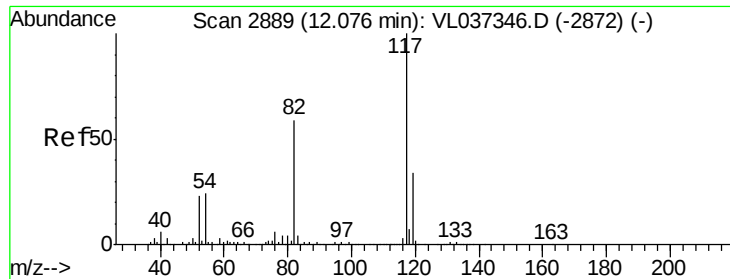


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





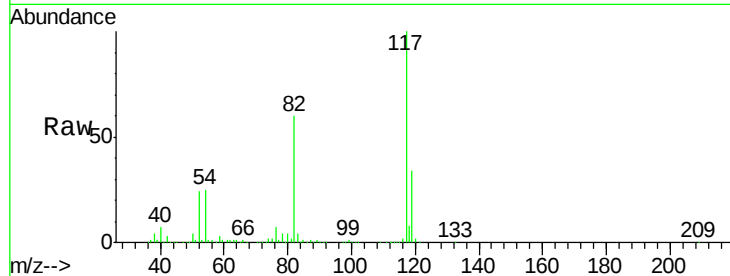
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

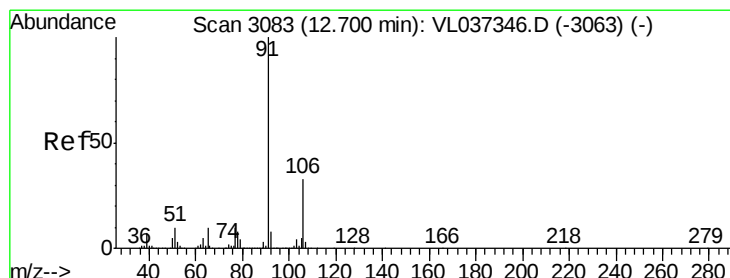
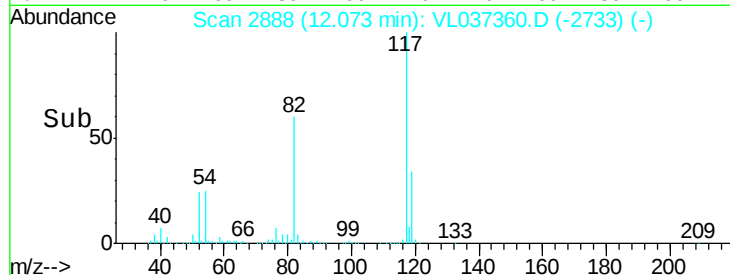
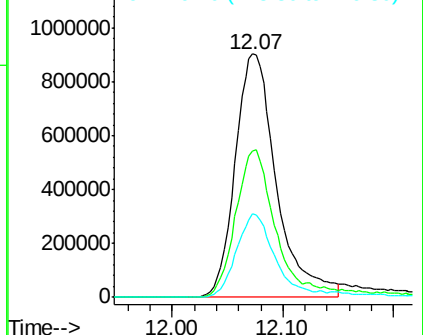
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	46.0	69.0
119	34.9	24.4	36.6

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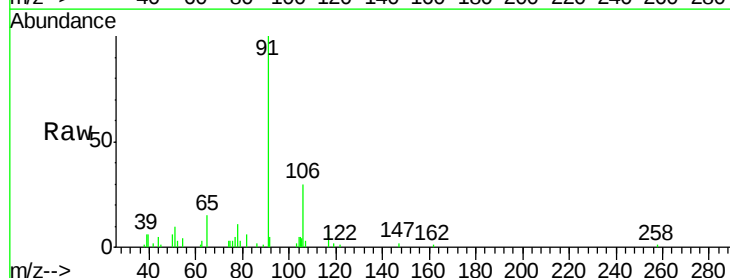


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

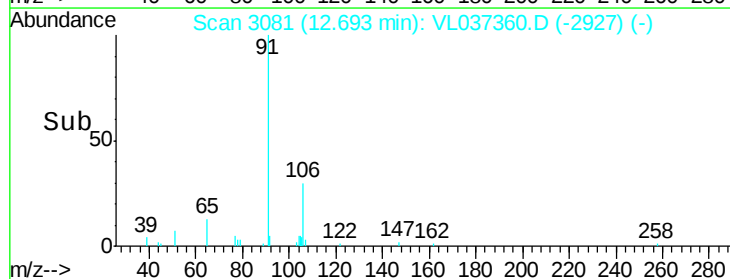
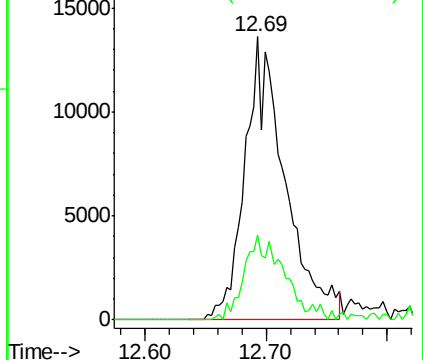


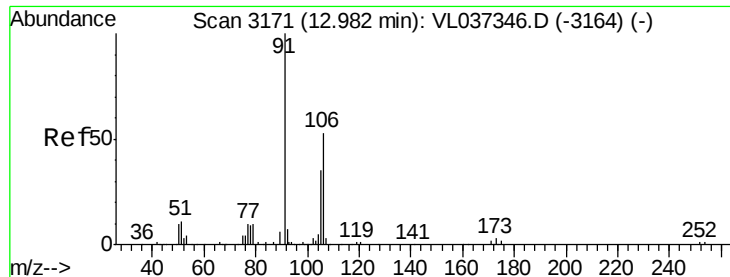
#58
Ethyl Benzene
Concen: 0.101 ppbv m
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	26.2	39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





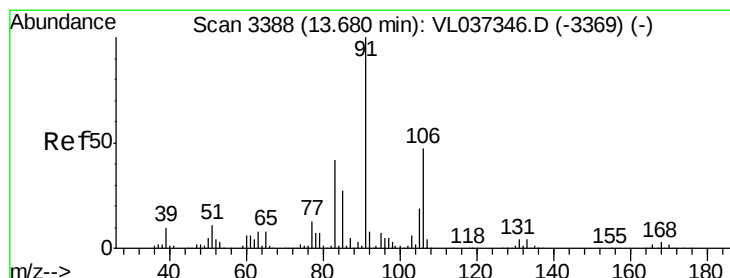
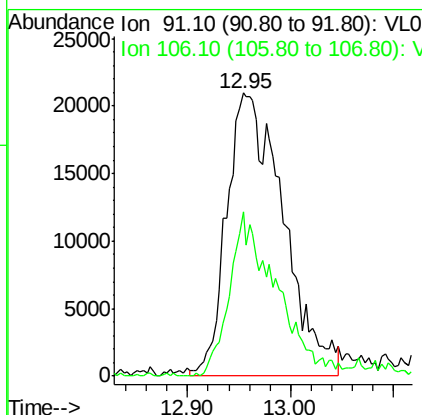
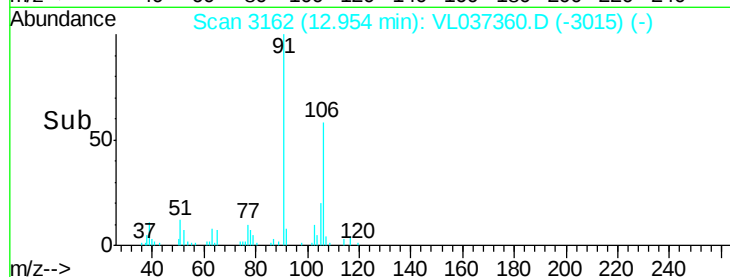
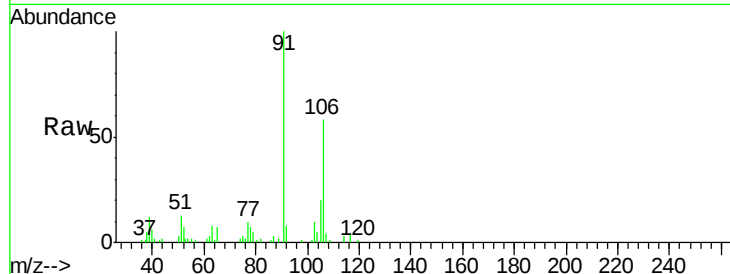
#59
m/p-Xylene
Concen: 0.301 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.03 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion: 91 Resp: 80123
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#

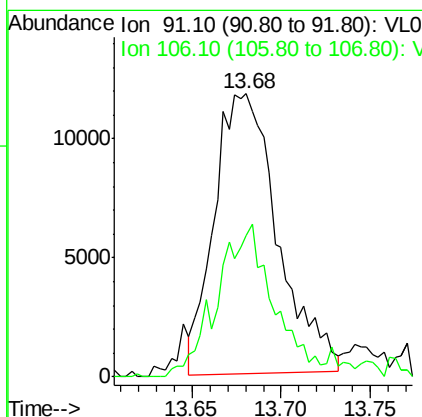
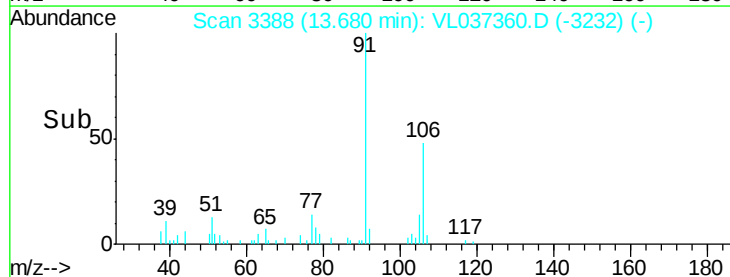
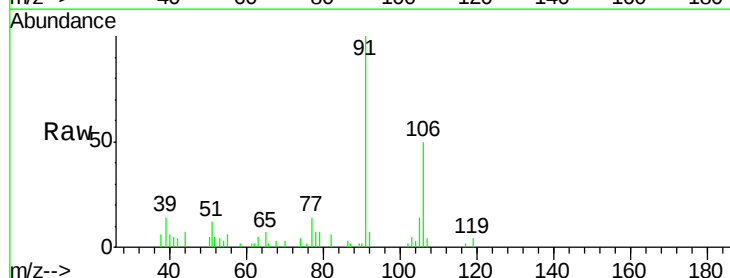
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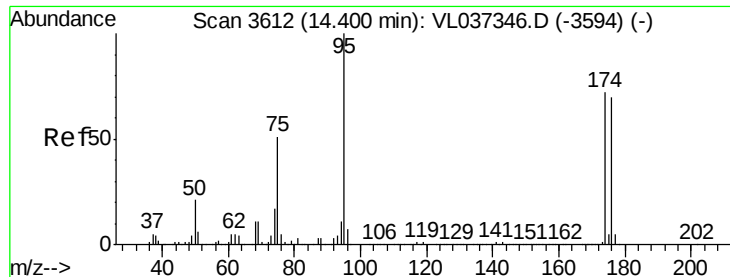
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#60
o-Xylene
Concen: 0.118 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037360.D
Acq: 7 Aug 2021 1:59

Tgt Ion: 91 Resp: 29222
Ion Ratio Lower Upper
91 100
106 53.5 23.1 69.3





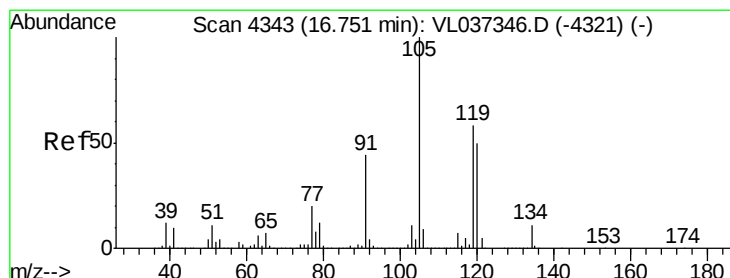
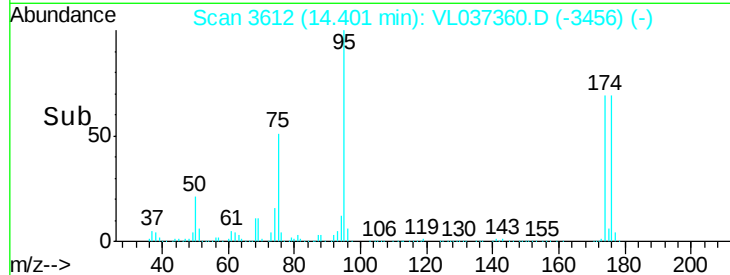
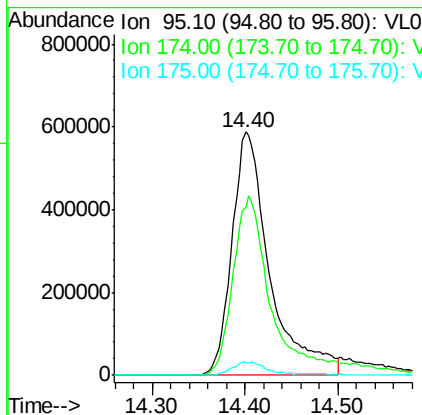
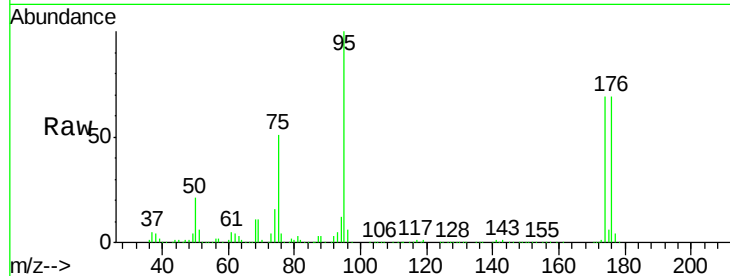
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.096 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.00 min
 Lab File: VL037360.D
 Acq: 7 Aug 2021 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
95	100		
174	79.4	60.8	91.2
175	5.3	4.3	6.5

Manual Integrations
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.124 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.00 min
 Lab File: VL037360.D
 Acq: 7 Aug 2021 1:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	35.5	39.7	59.5#
91	15.7	35.0	52.6#
77	15.1	16.1	24.1#

