

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037391.D
 Acq On : 11 Aug 2021 14:57
 Operator : SY/AP
 Sample : M3157-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Manual Integrations
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Quant Time: Aug 12 05:45:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1181253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3613669	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2919959	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2066641	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	54213m	0.254	ppbv	
3) Chlorodifluoromethane	2.98	51	255330m	1.163	ppbv	
4) Chloromethane	3.14	50	33663m	0.416	ppbv	
9) Propene	3.02	41	29453	0.394	ppbv	89
10) Heptane	8.12	43	19704	0.111	ppbv	99
11) Trichlorofluoromethane	3.95	101	69427	0.387	ppbv #	83
13) Ethanol	3.61	45	350420	38.824	ppbv	97
15) Acetone	3.85	43	1077707	9.576	ppbv	94
19) Isopropyl Alcohol	3.98	45	205356m	3.169	ppbv	
20) Methylene Chloride	4.34	84	1081787	17.701	ppbv	93
26) Hexane	5.69	57	935371	6.410	ppbv #	46
29) Chloroform	5.74	83	34994m	0.167	ppbv	
30) Cyclohexane	7.14	84	20046m	0.166	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	157650	1.206	ppbv #	87
32) 1,1,1-Trichloroethane	6.51	97	46346	0.228	ppbv	89
34) 2-Butanone	5.25	43	121773	0.887	ppbv	91
35) Carbon Tetrachloride	7.02	117	11709m	0.058	ppbv	
36) Benzene	6.89	78	97393m	0.340	ppbv	
38) Trichloroethene	7.83	130	35893m	0.294	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	175805	0.368	ppbv	90
52) Tetrachloroethene	11.22	164	42291m	0.362	ppbv	
53) Toluene	9.80	91	564578	1.698	ppbv	94
58) Ethyl Benzene	12.70	91	52019m	0.133	ppbv	
59) m/p-Xylene	12.96	91	148634m	0.443	ppbv	
60) o-Xylene	13.70	91	56942m	0.183	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	59784m	0.174	ppbv	

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

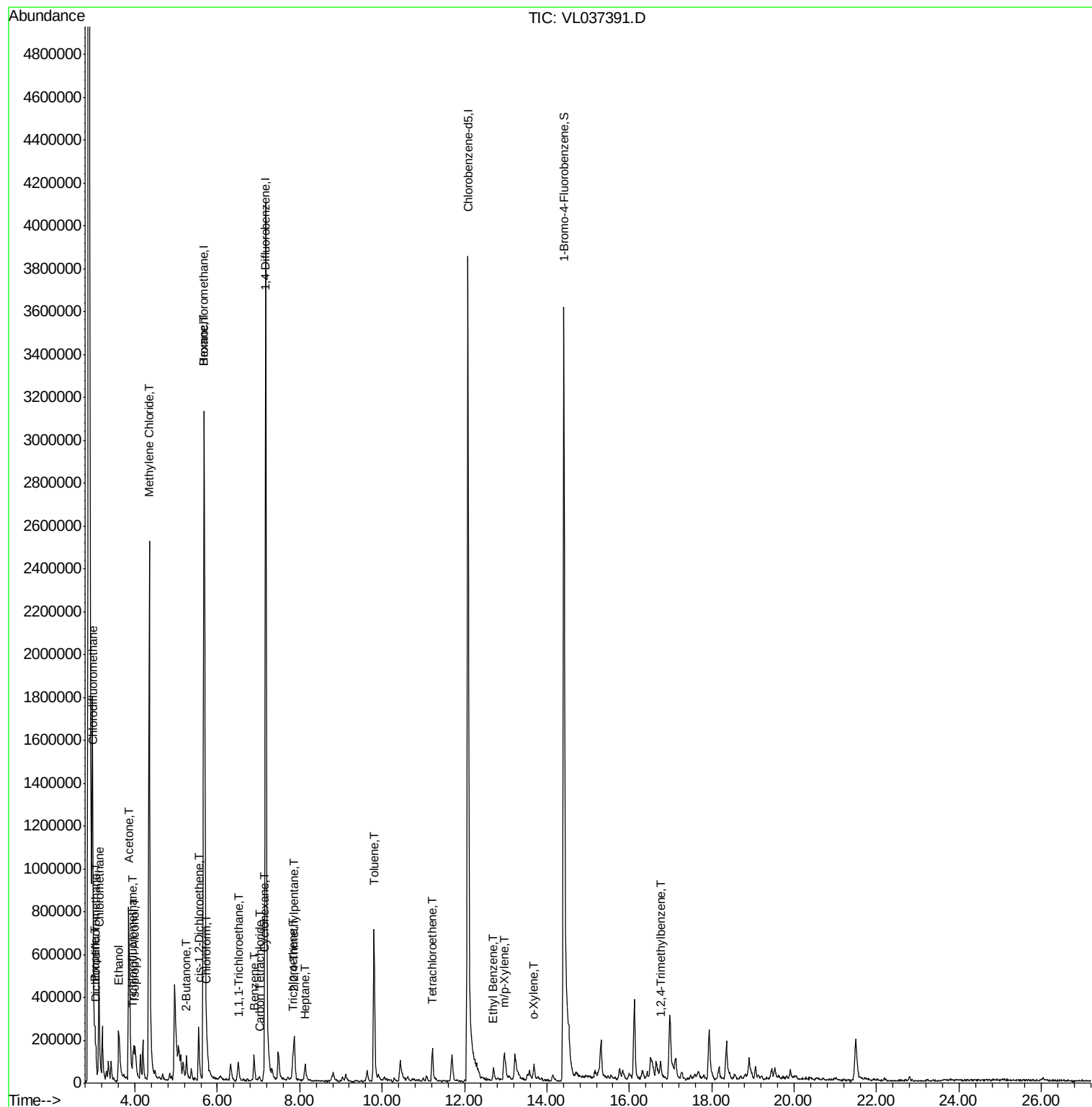
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037391.D
Acq On : 11 Aug 2021 14:57
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

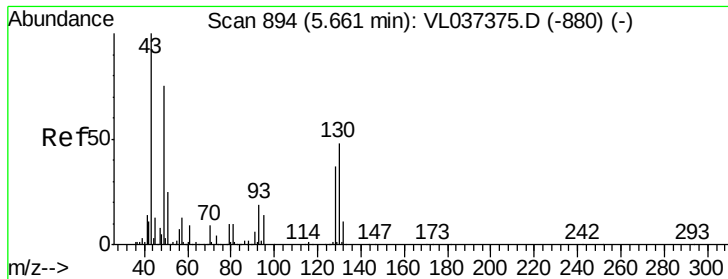
Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

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Quant Time: Aug 12 05:45:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





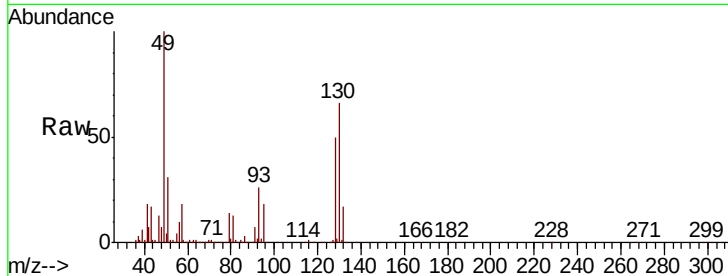
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

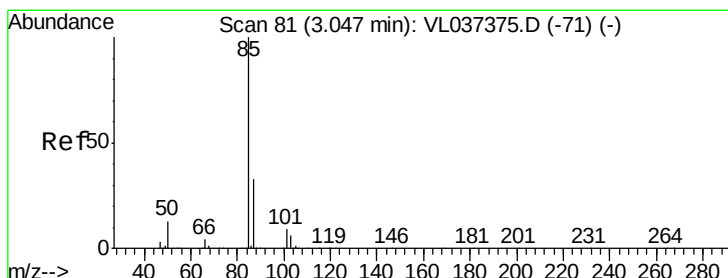
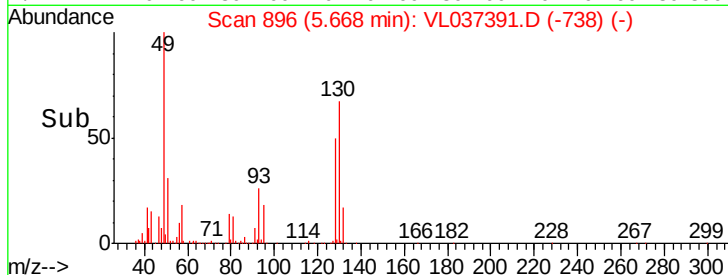
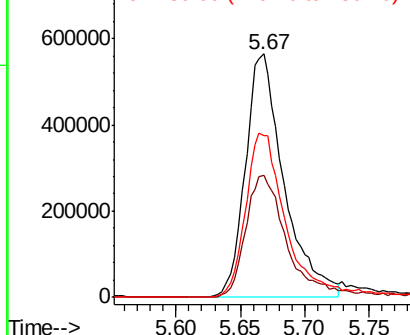
Tot Ion: 49 Resp: 1181253
Ion Ratio Lower Upper
49 100
128 55.2 28.1 84.4
130 72.7 34.3 102.8

Manual Integrations
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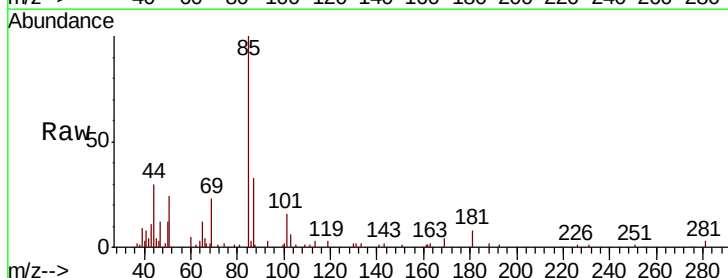


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V

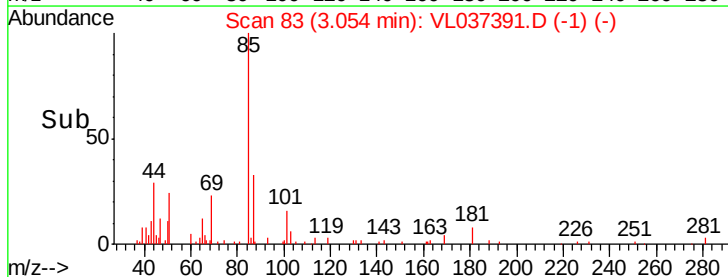
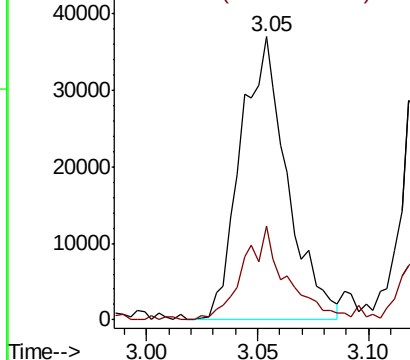


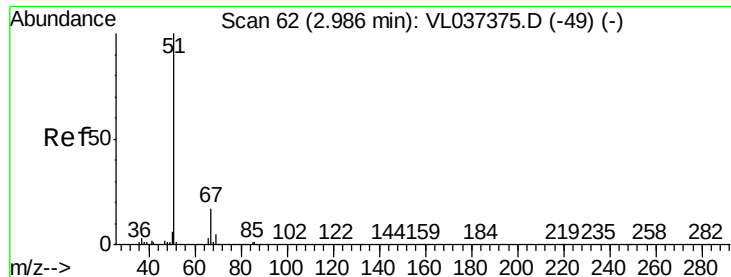
#2
Dichlorodifluoromethane
Concen: 0.254 ppbv m
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion: 85 Resp: 54213
Ion Ratio Lower Upper
85 100
87 33.2 26.6 39.8



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





#3

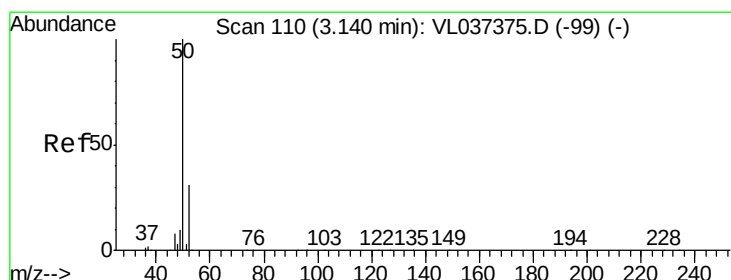
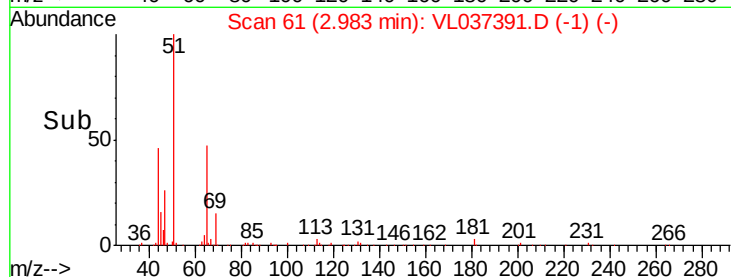
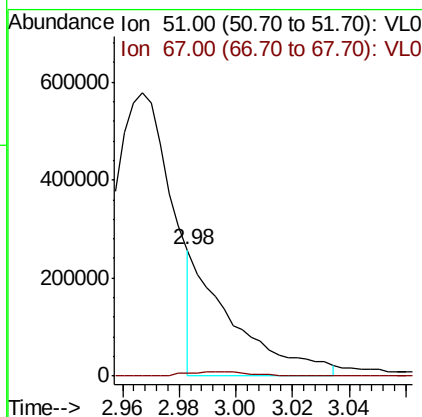
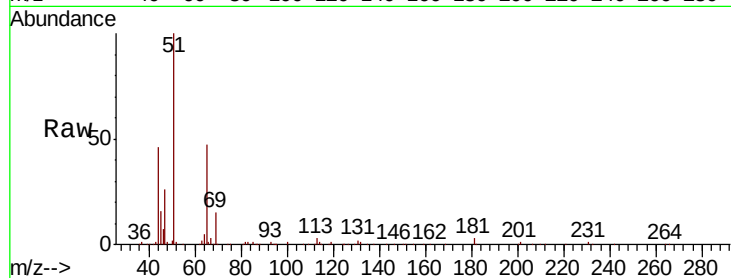
Chlorodifluoromethane
 Concen: 1.163 ppbv m
 RT: 2.98 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
51	100		
67	6.6	14.3	21.5#

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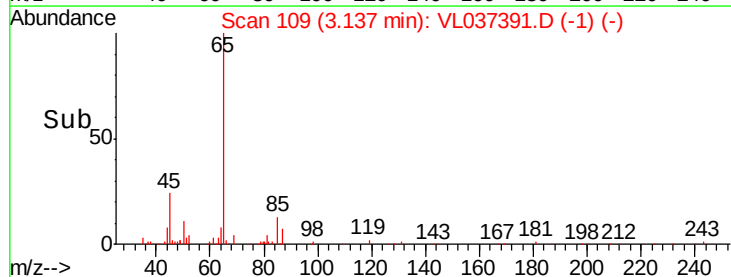
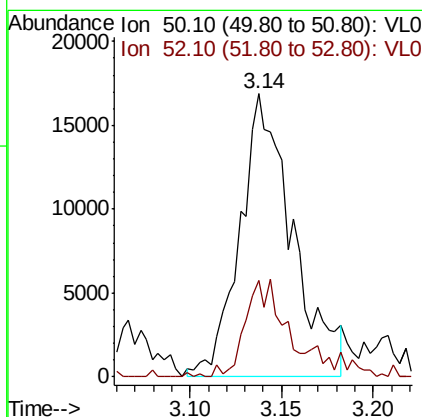
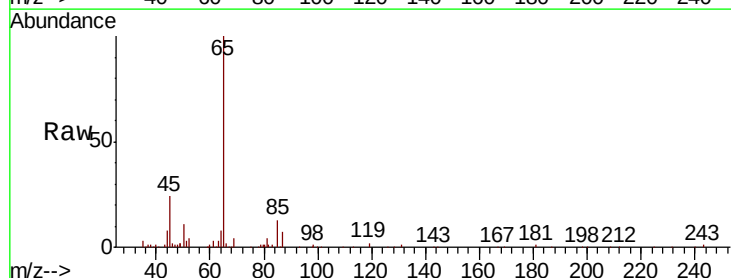
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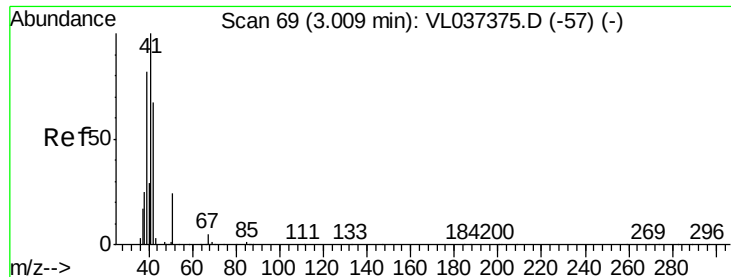


#4

Chloromethane
 Concen: 0.416 ppbv m
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4





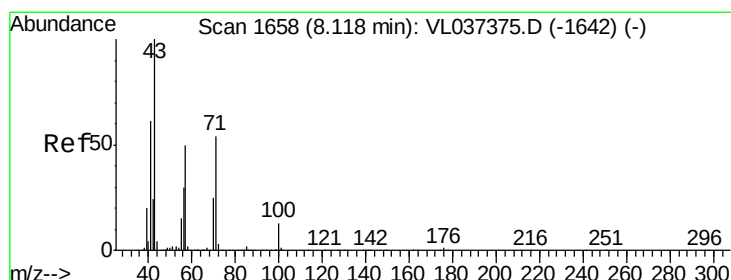
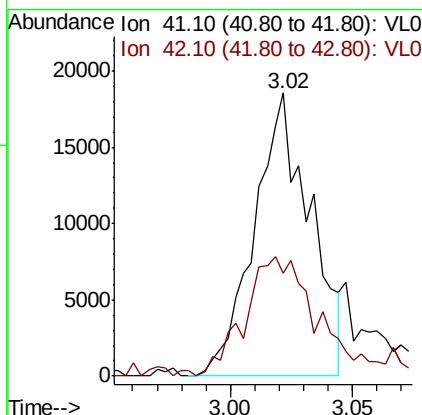
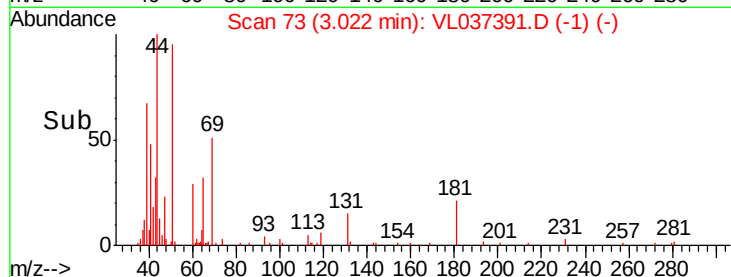
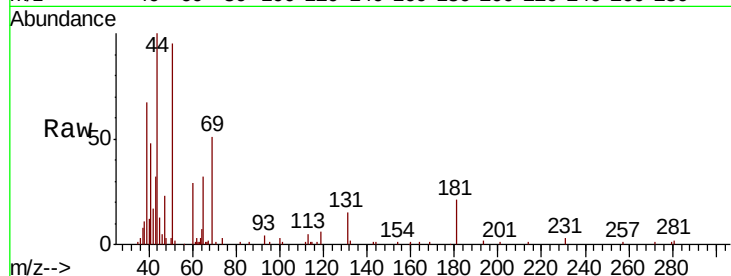
#9
 Propene
 Concen: 0.394 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion: 41 Resp: 29453
 Ion Ratio Lower Upper
 41 100
 42 60.4 55.5 83.3

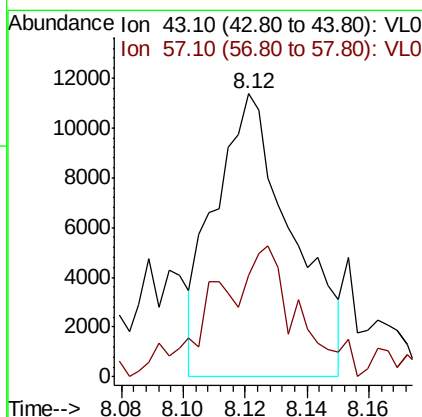
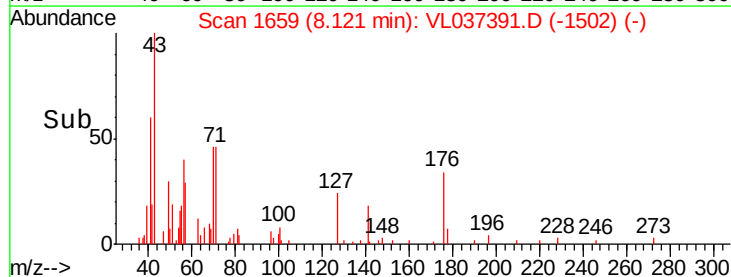
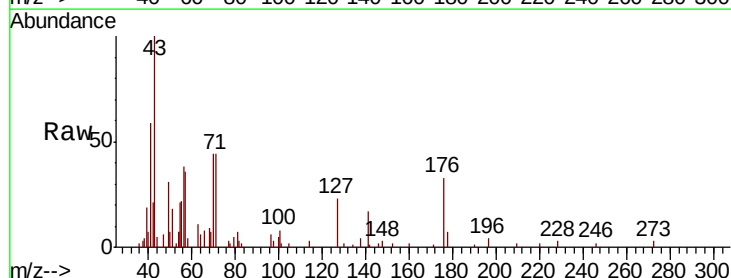
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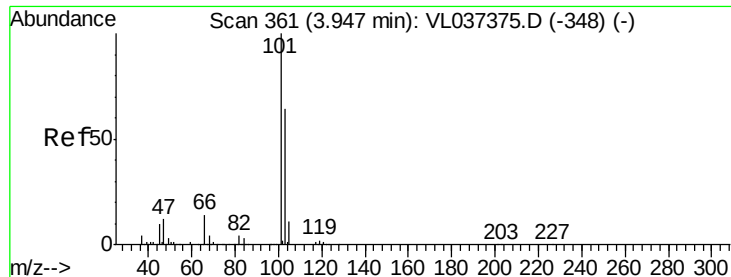
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#10
 Heptane
 Concen: 0.111 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion: 43 Resp: 19704
 Ion Ratio Lower Upper
 43 100
 57 50.6 40.2 60.2





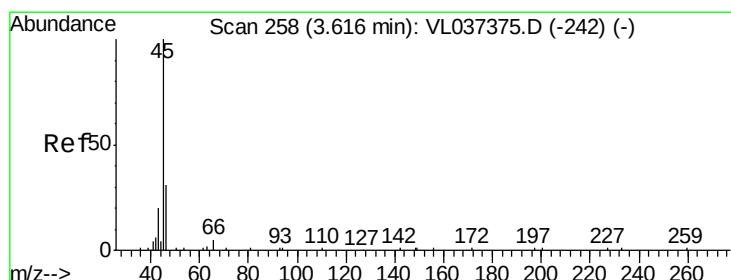
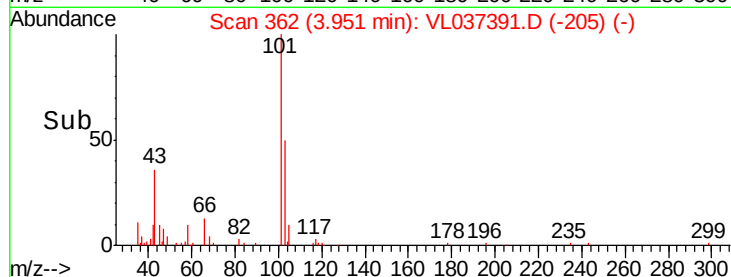
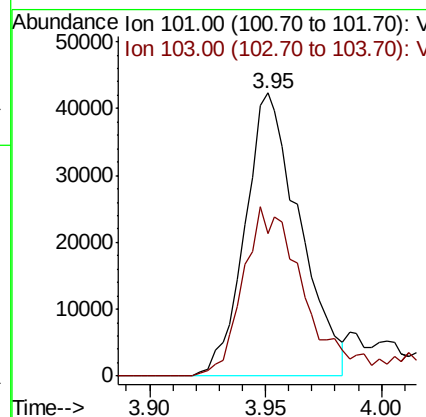
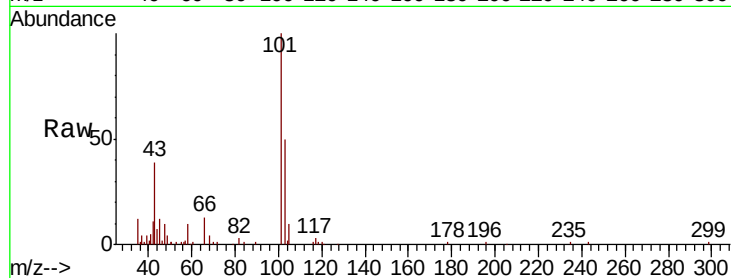
#11
Trichlorofluoromethane
Concen: 0.387 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
101	100		
103	50.4	51.2	76.8#

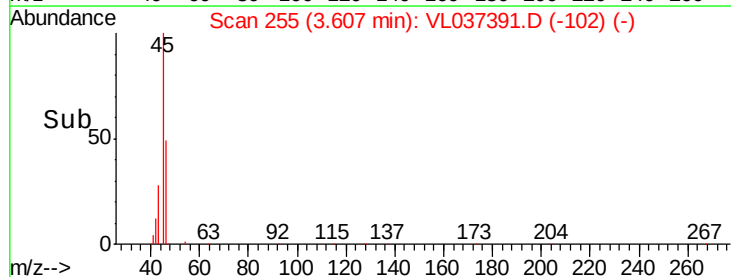
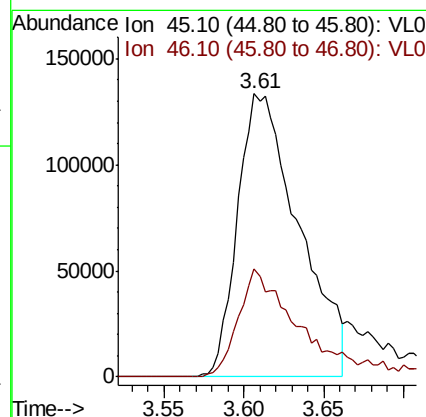
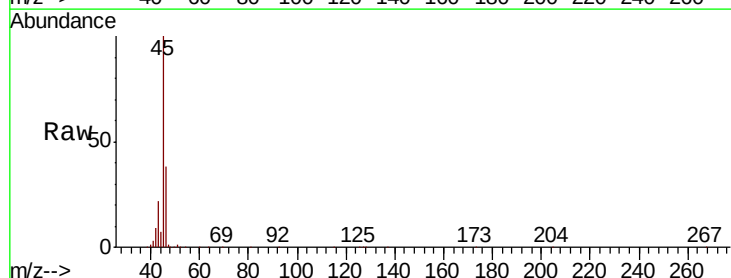
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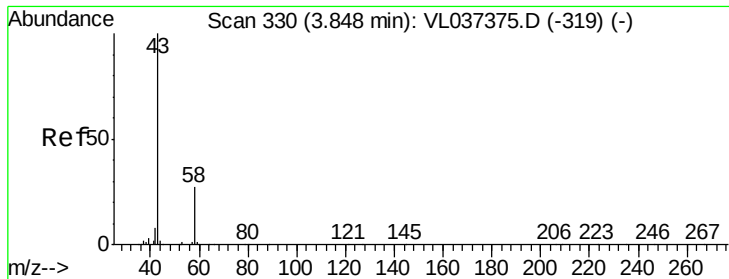
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#13
Ethanol
Concen: 38.824 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.8	15.8	63.4





#15

Acetone

Concen: 9.576 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037391.D

Acq: 11 Aug 2021 14:57

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 43 Resp: 1077707

Ion Ratio Lower Upper

43 100

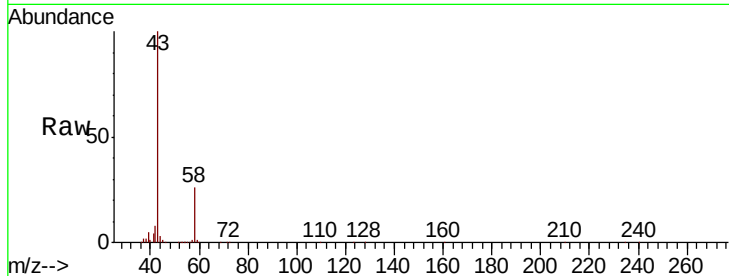
58 27.7 24.6 37.0

Manual Integrations

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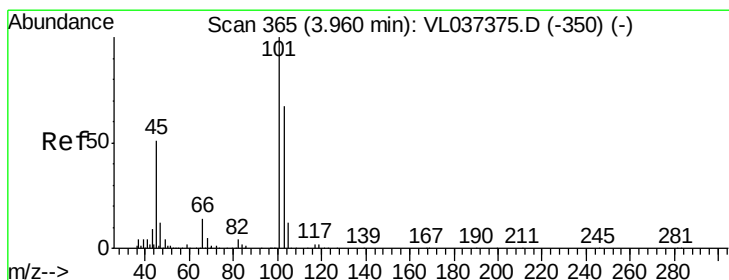
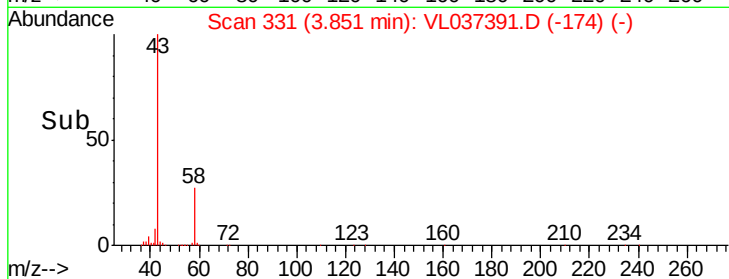
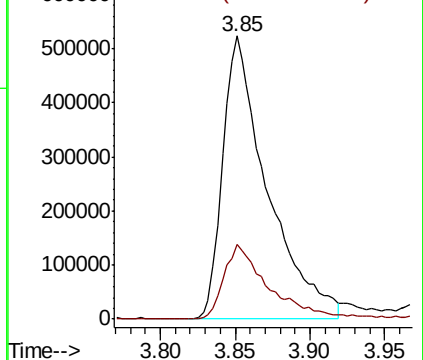
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 3.169 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL037391.D

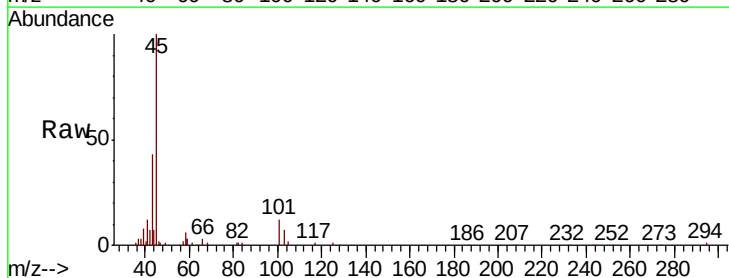
Acq: 11 Aug 2021 14:57

Tgt Ion: 45 Resp: 205356

Ion Ratio Lower Upper

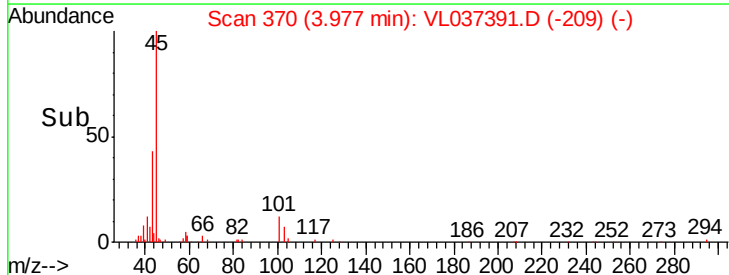
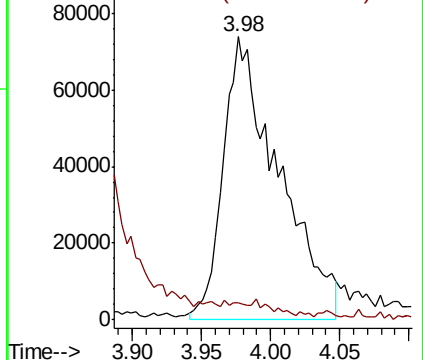
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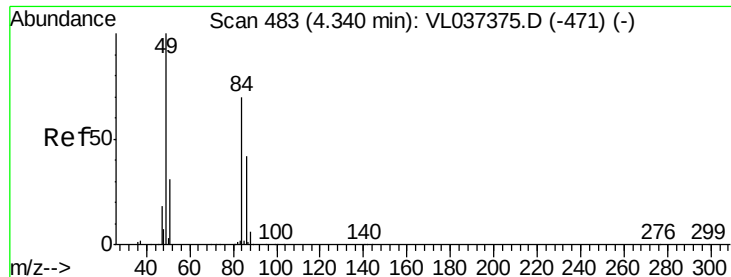
58 0.0 38.7 58.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





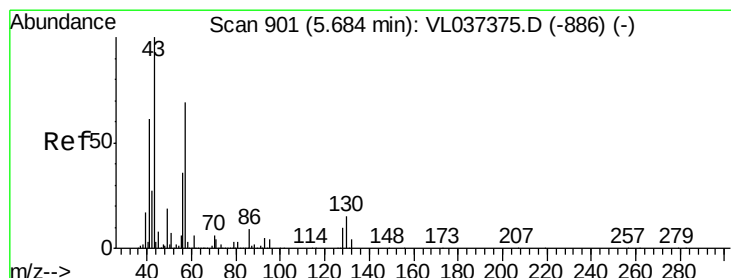
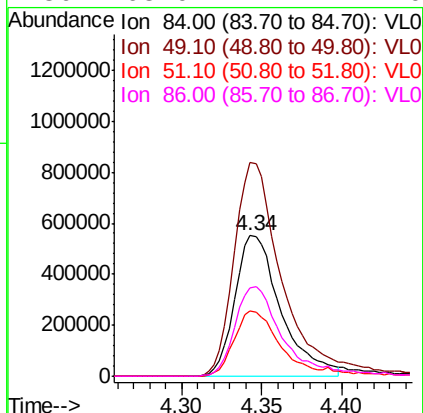
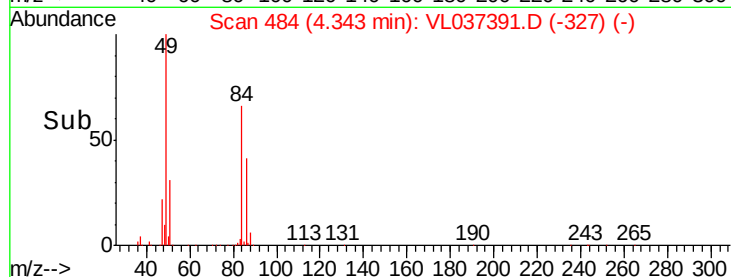
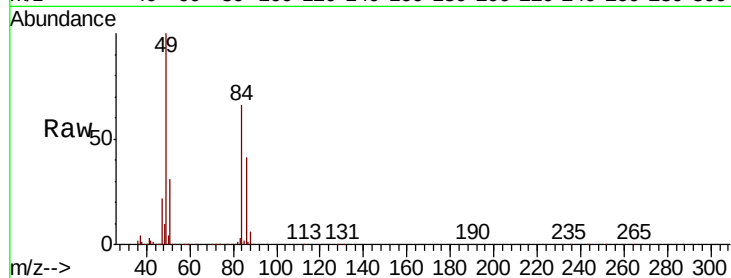
#20
Methvlene Chloride
Concen: 17.701 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
84	100		
49	152.2	113.8	170.6
51	46.5	34.7	52.1
86	63.0	47.4	71.0

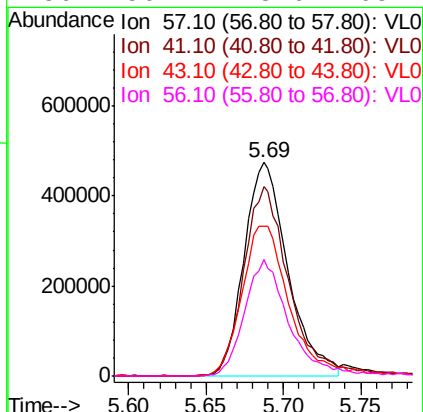
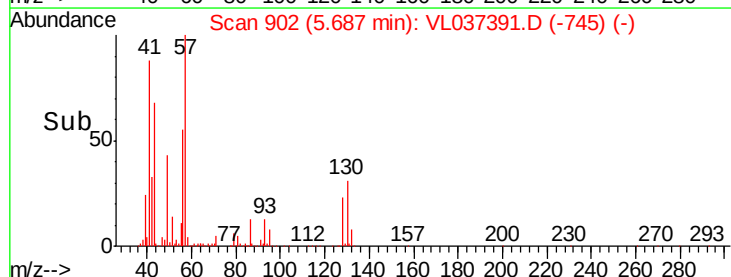
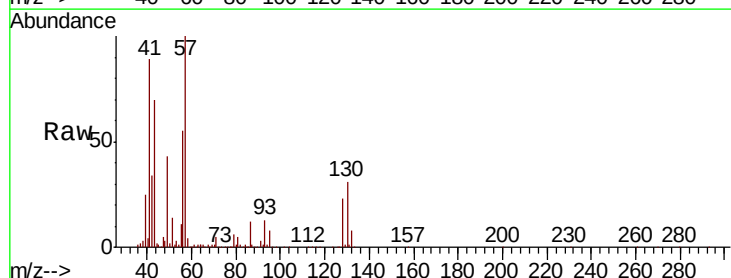
Manual Integrations
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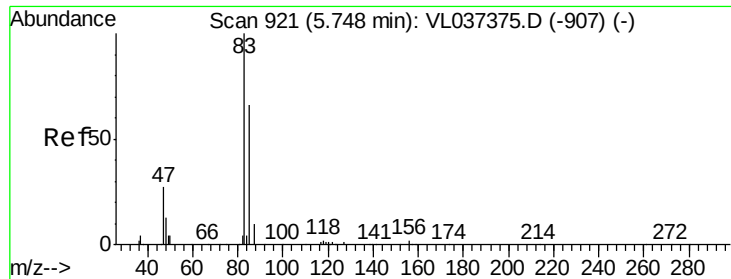
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#26
Hexane
Concen: 6.410 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.1	73.4	110.0
43	76.5	174.4	261.6#
56	56.1	43.6	65.4





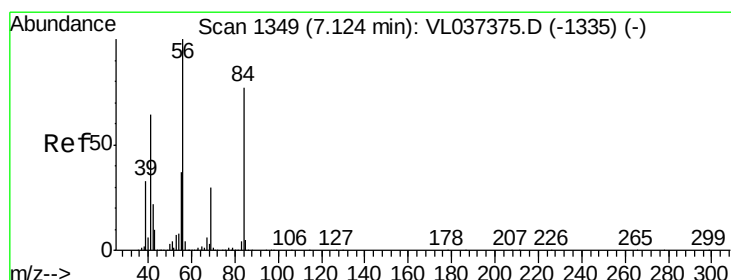
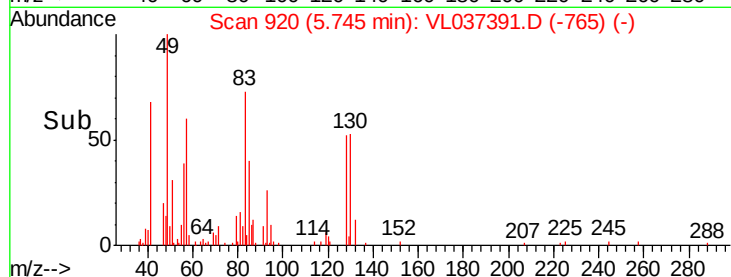
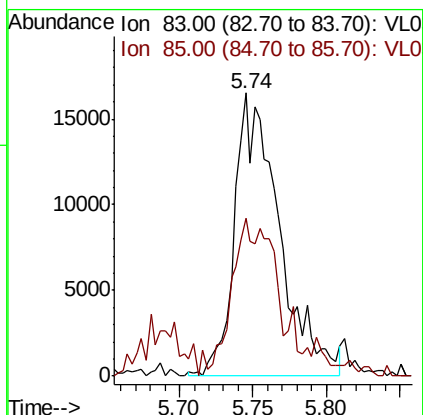
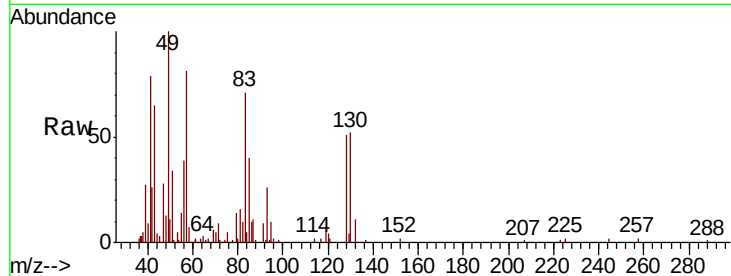
#29
Chloroform
Concen: 0.167 ppbv m
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	83	Resp	34994
Ion Ratio	100	Lower	Upper
85	55.7	52.8	79.2

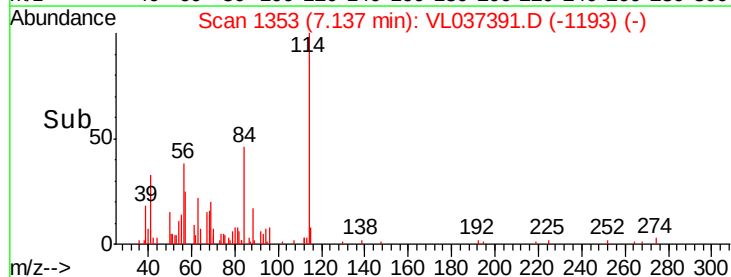
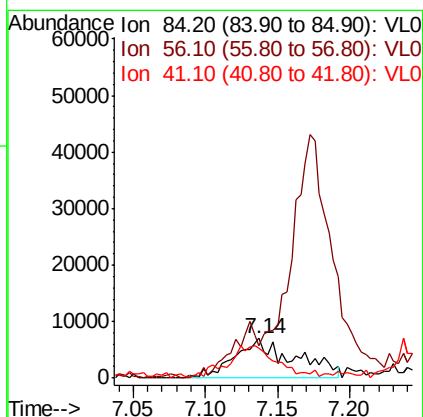
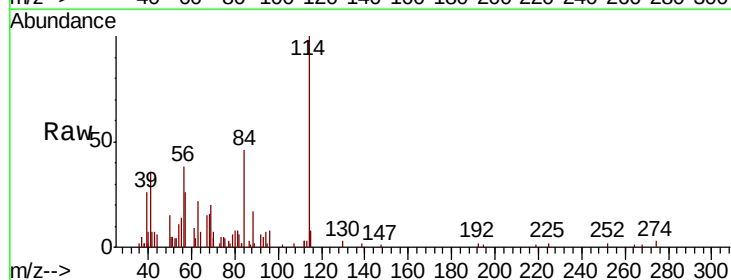
Manual Integrations
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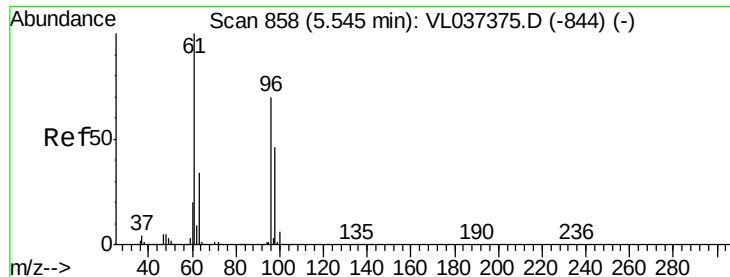
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#30
Cyclohexane
Concen: 0.166 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	84	Resp	20046
Ion Ratio	100	Lower	Upper
56	0.0	109.4	164.0#
41	66.2	66.2	99.2





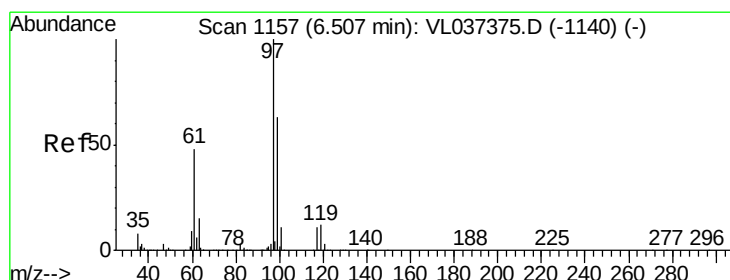
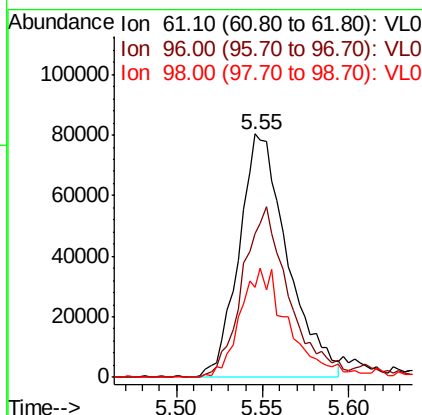
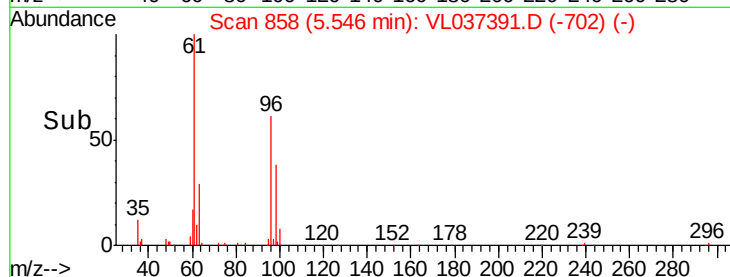
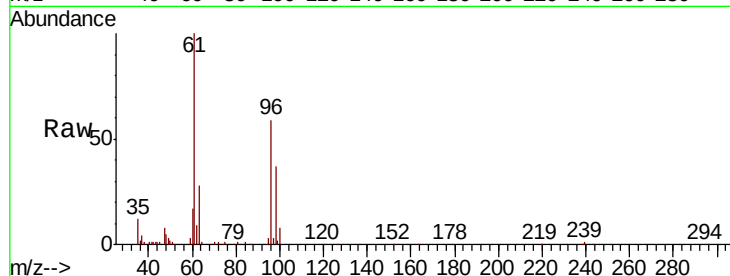
#31
 cis-1,2-Dichloroethene
 Concen: 1.206 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.3	56.0	84.0
98	36.7	36.8	55.2#

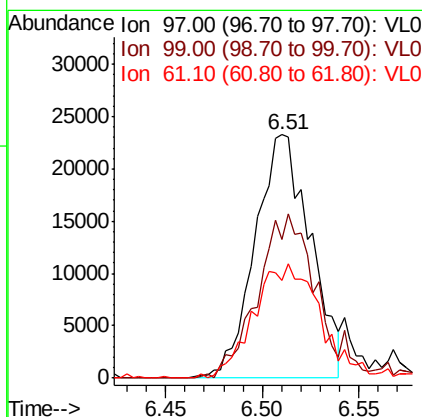
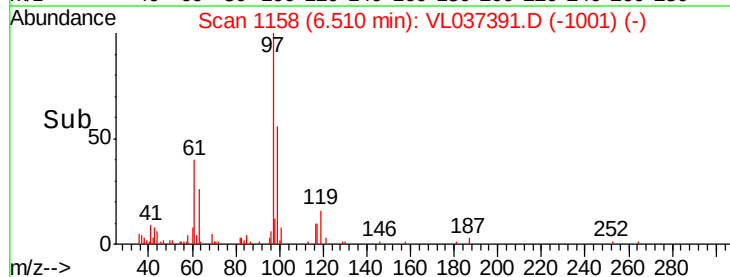
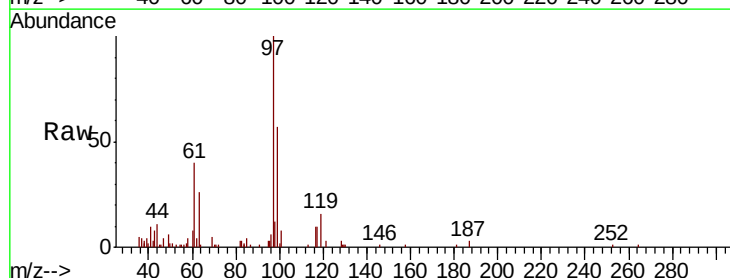
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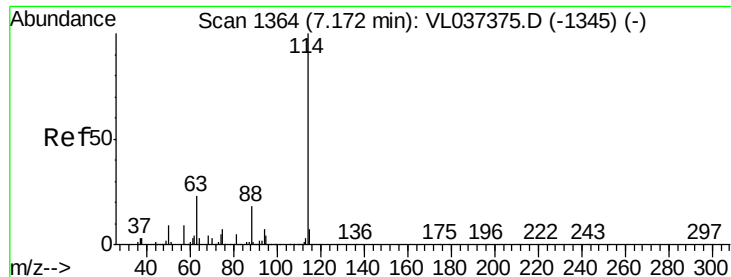
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#32
 1,1,1-Trichloroethane
 Concen: 0.228 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	74.8	52.7	79.1
61	57.9	39.9	59.9





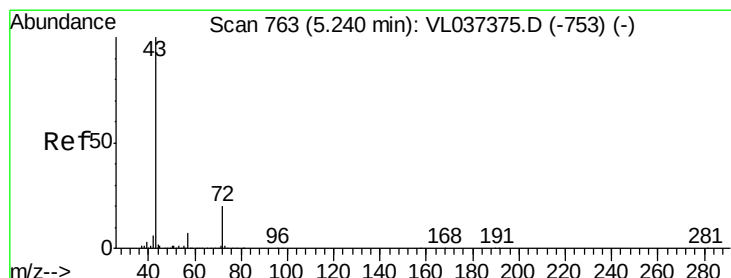
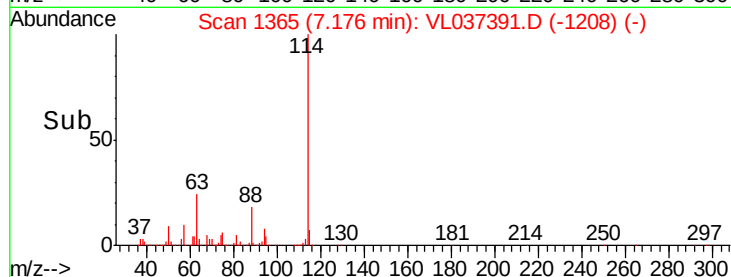
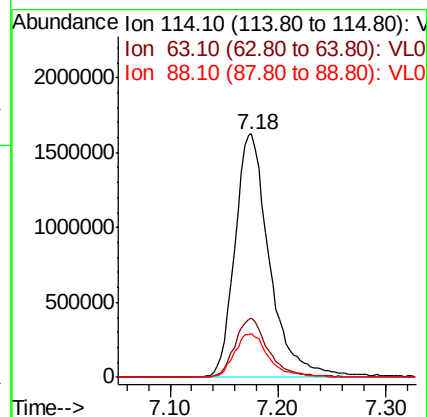
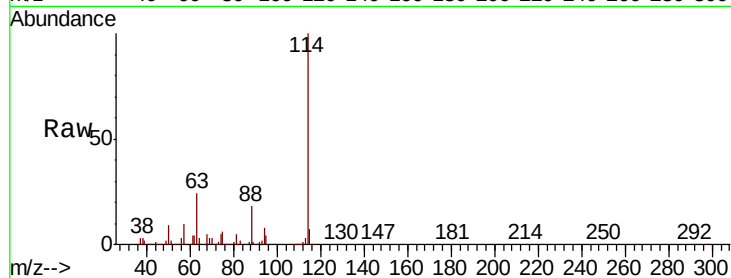
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.5	29.3
88	18.1	14.3	21.5

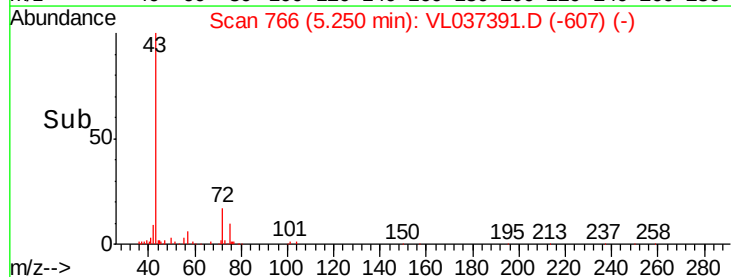
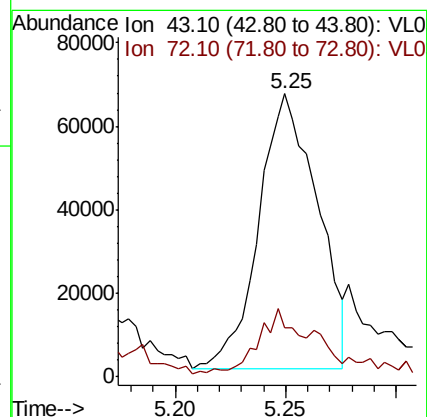
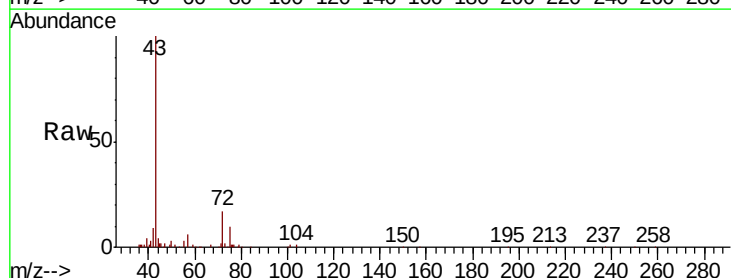
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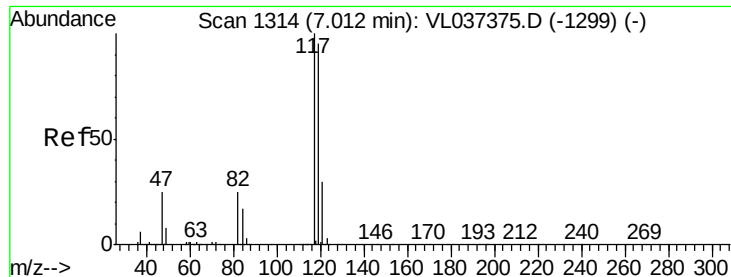
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#34
 2-Butanone
 Concen: 0.887 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.2	19.6	29.4





#35

Carbon Tetrachloride

Concen: 0.058 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL037391.D

Acq: 11 Aug 2021 14:57

Instrument :

MSVOA_L

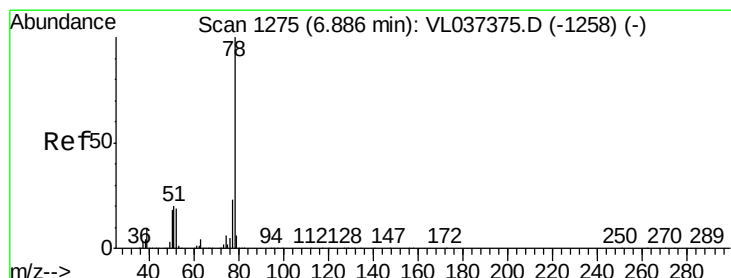
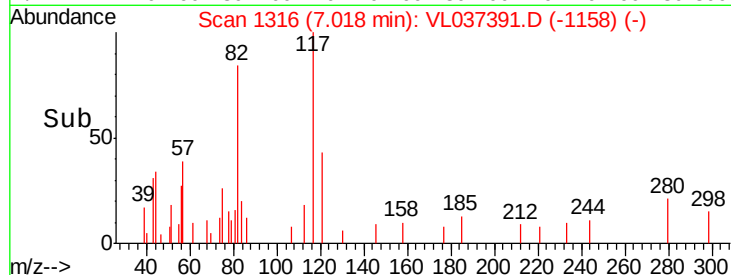
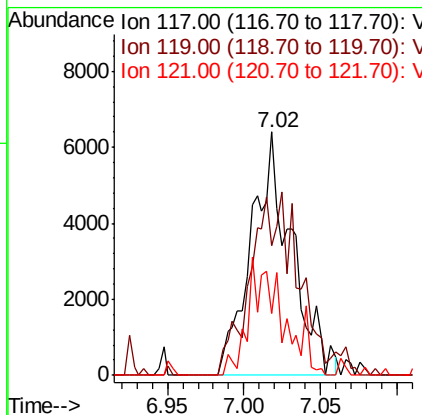
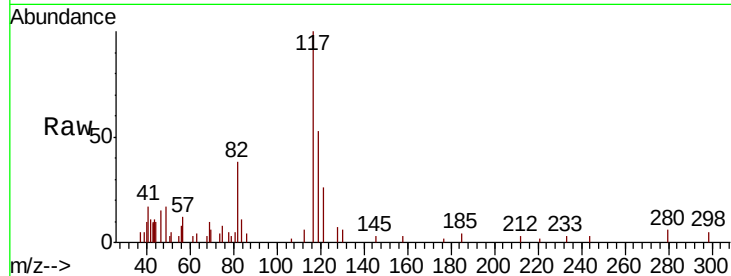
ClientSampleId :

SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
117	100		
119	53.2	76.1	114.1#
121	25.5	24.4	36.6

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#36

Benzene

Concen: 0.340 ppbv m

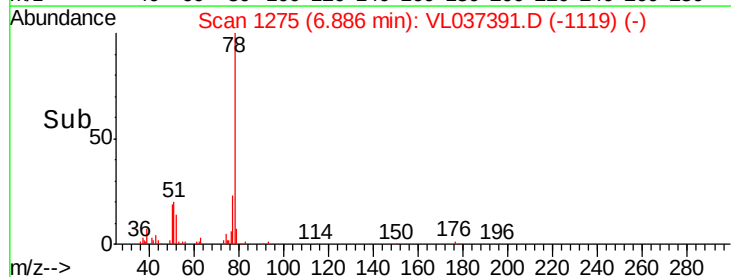
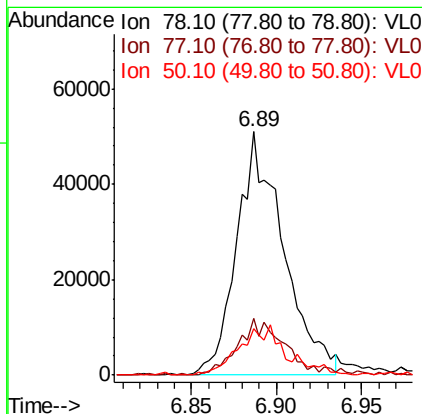
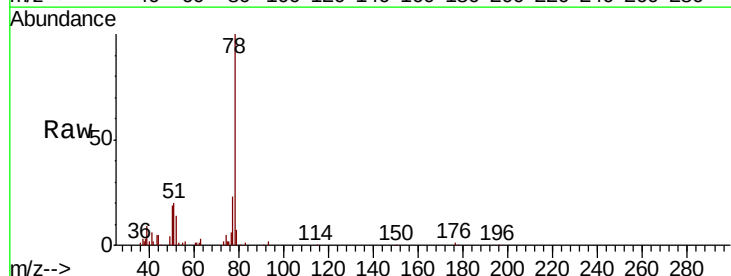
RT: 6.89 min Scan# 1275

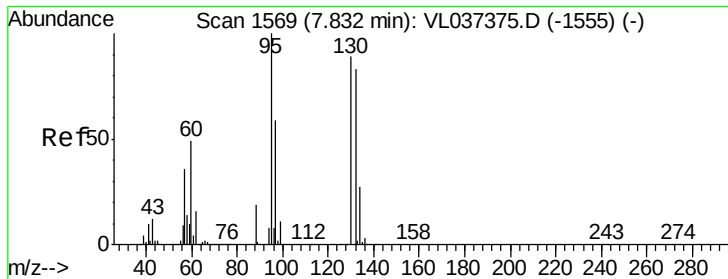
Delta R.T. 0.00 min

Lab File: VL037391.D

Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	19.3	14.3	21.5





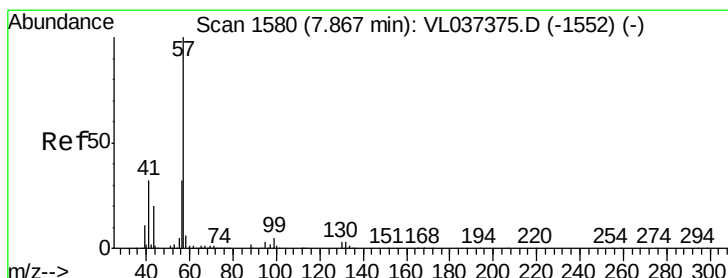
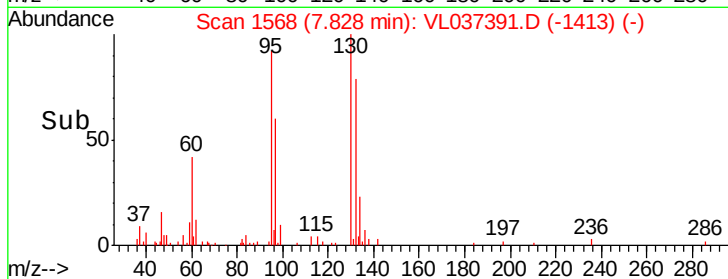
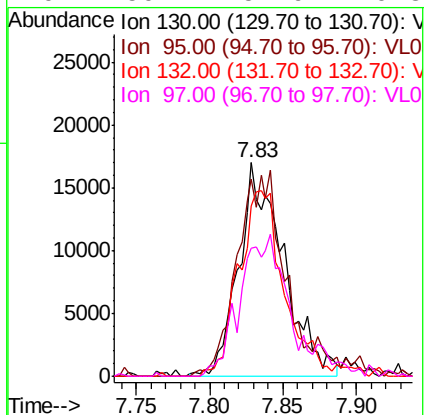
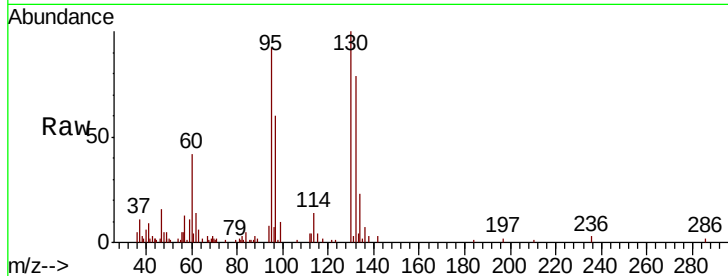
#38
 Trichloroethene
 Concen: 0.294 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		35893		
95	92.2	89.5	134.3		
132	79.5	74.2	111.4		
97	59.7	52.9	79.3		

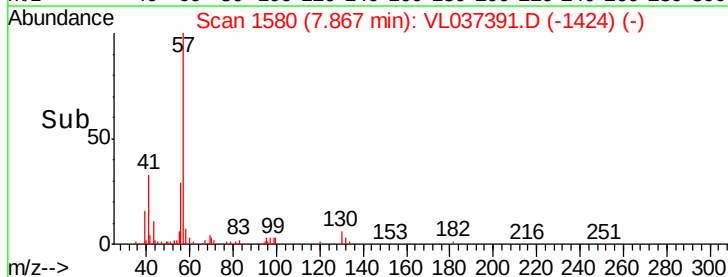
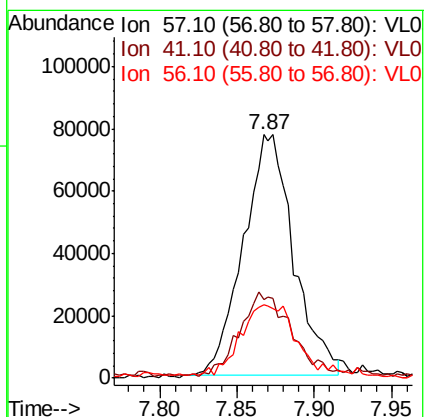
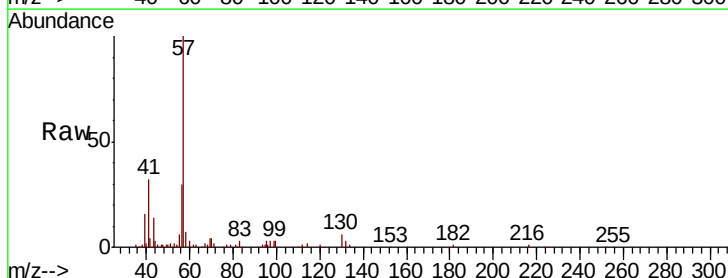
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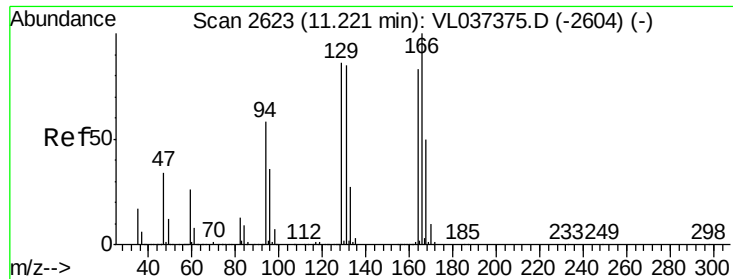
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#44
 2,2,4-Trimethylpentane
 Concen: 0.368 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		175805		
41	38.7	26.1	39.1		
56	36.7	25.1	37.7		





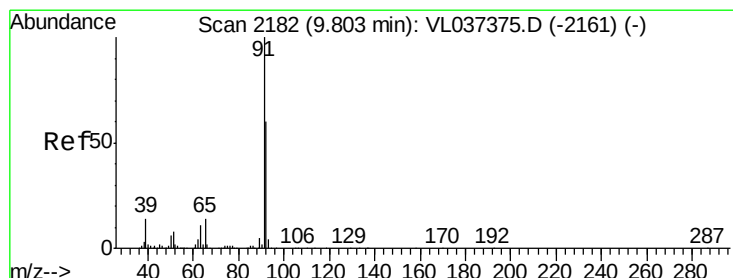
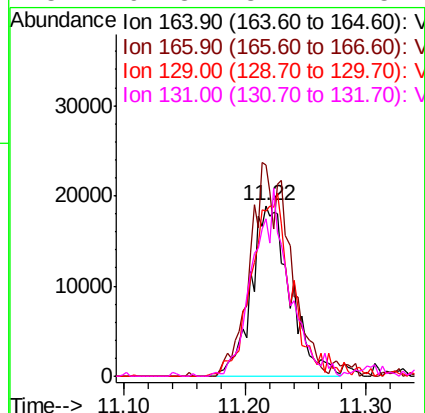
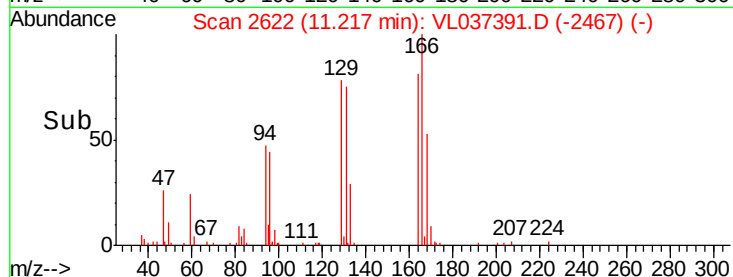
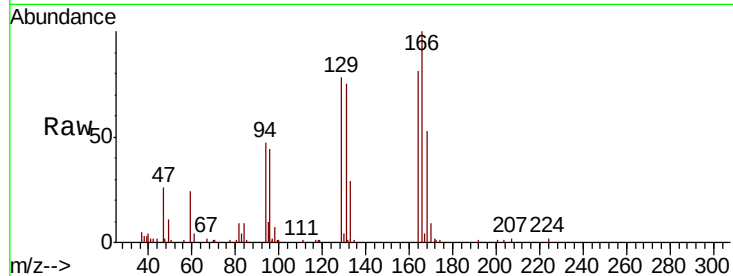
#52
Tetrachloroethene
Concen: 0.362 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.9	96.5	144.7
129	97.1	83.2	124.8
131	92.3	82.2	123.2

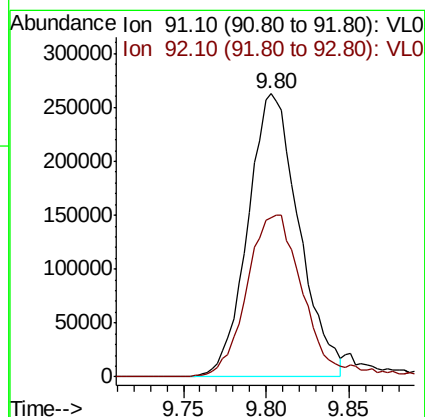
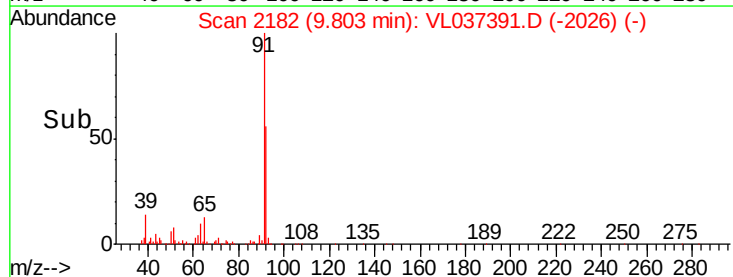
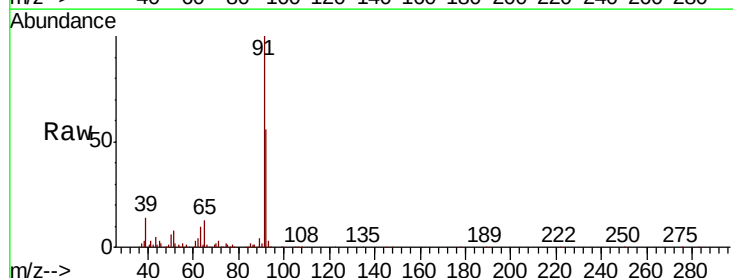
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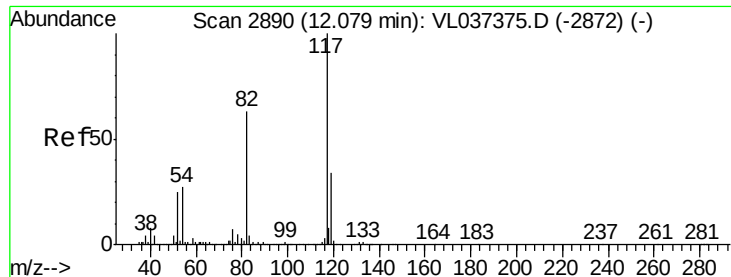
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#53
Toluene
Concen: 1.698 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.0	48.1	72.1





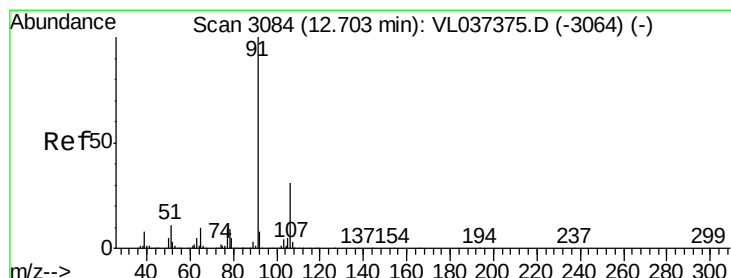
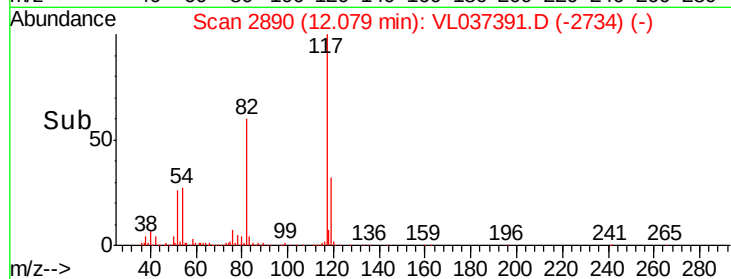
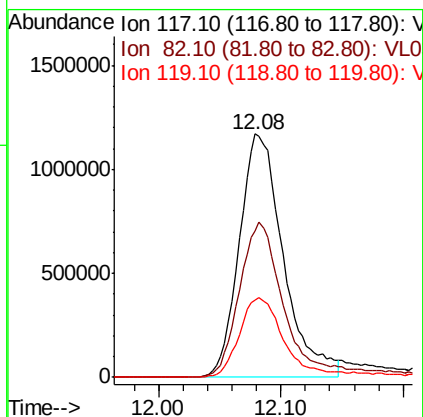
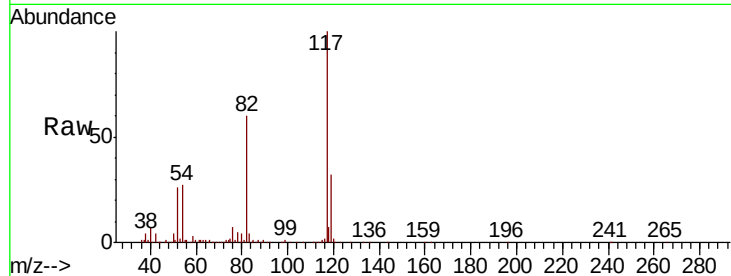
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	52.6	78.8
119	36.1	46.7	70.1#

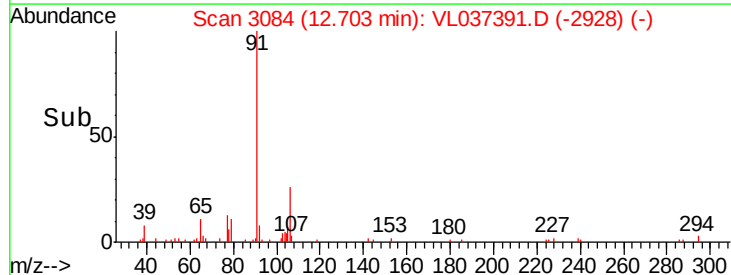
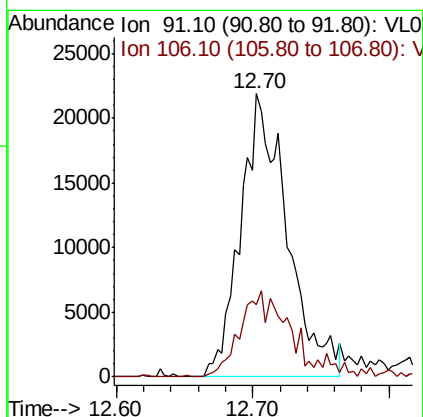
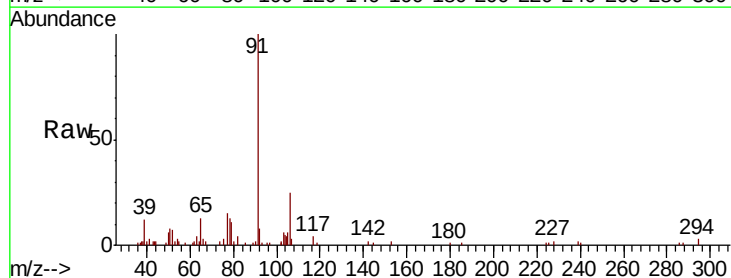
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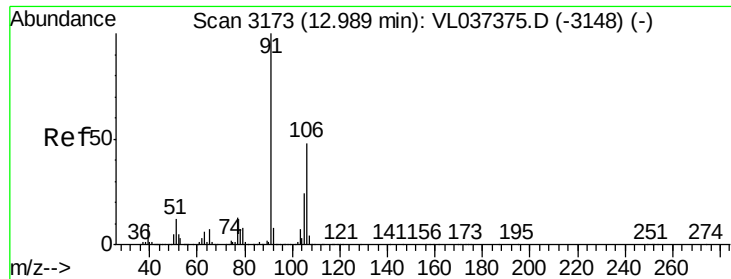
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#58
Ethyl Benzene
Concen: 0.133 ppbv m
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.4	24.6	36.8





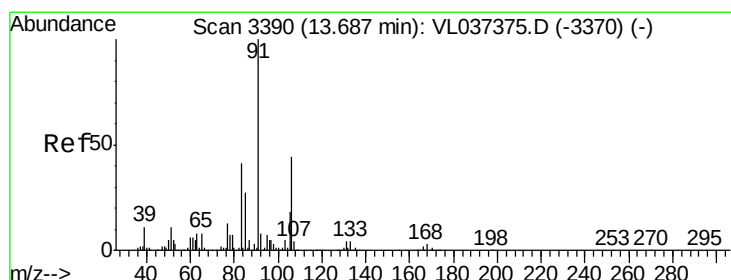
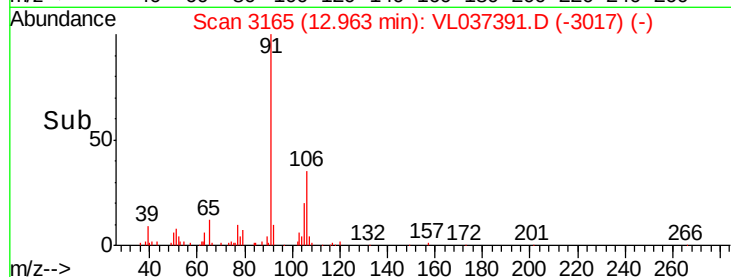
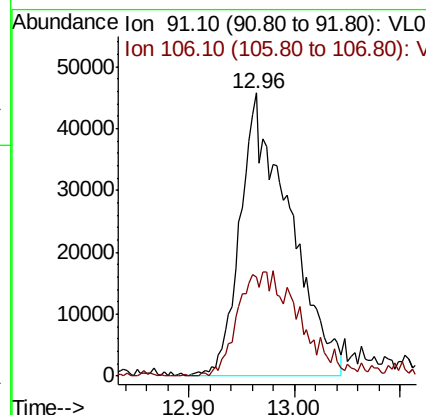
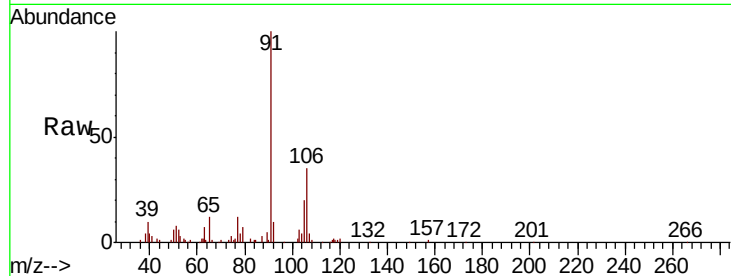
#59
m/p-Xylene
Concen: 0.443 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.03 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Instrument :
MSVOA_L
ClientSampled :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
91	100		
106	46.0	36.6	55.0

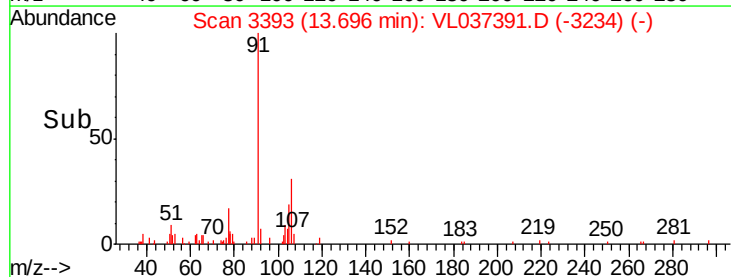
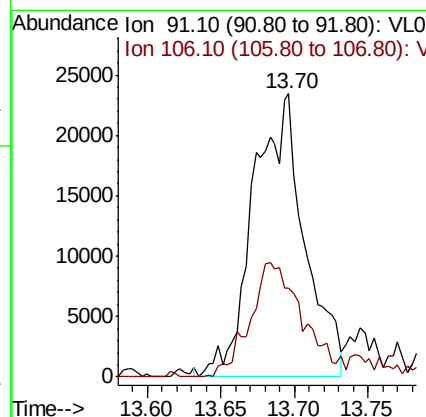
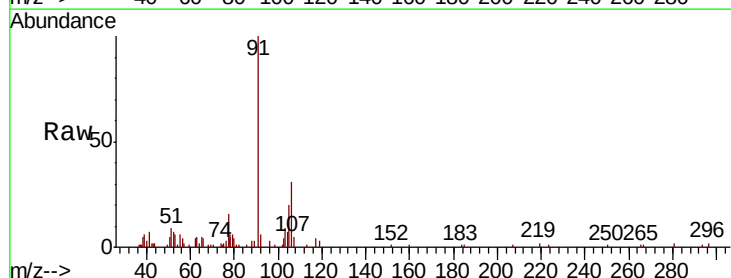
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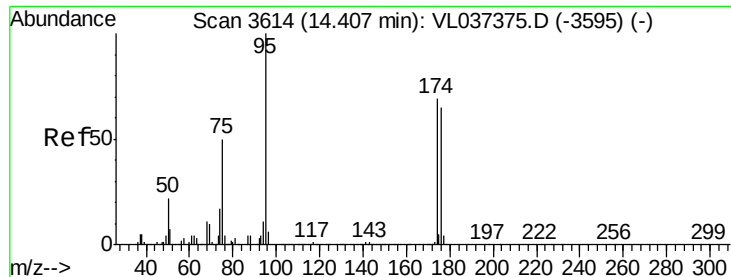
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#60
o-Xylene
Concen: 0.183 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL037391.D
Acq: 11 Aug 2021 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.1	23.2	69.6





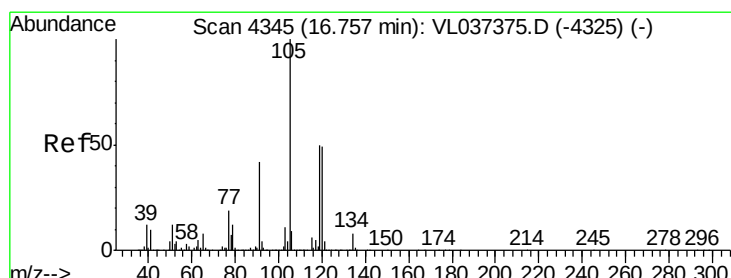
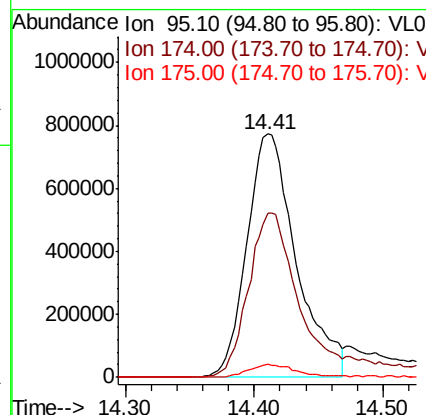
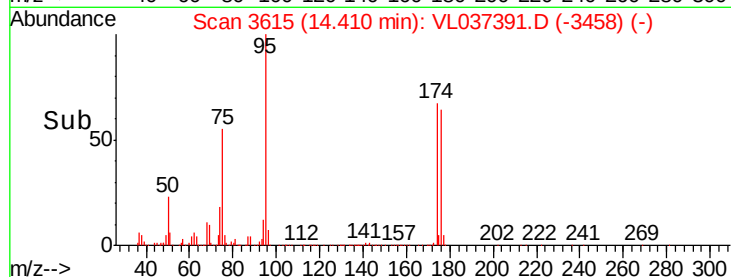
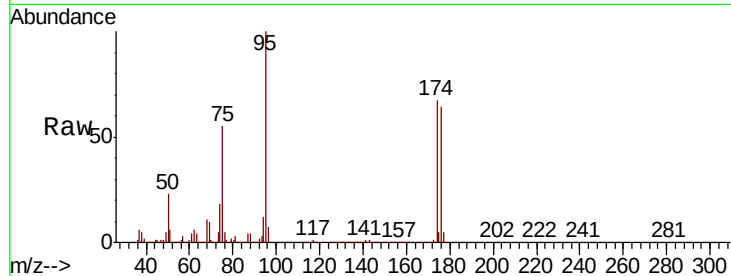
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.491 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion: 95 Resp: 2066641
 Ion Ratio Lower Upper
 95 100
 174 79.7 58.3 87.5
 175 5.3 4.3 6.5

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.174 ppbv m
 RT: 16.76 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL037391.D
 Acq: 11 Aug 2021 14:57

Tgt Ion: 105 Resp: 59784
 Ion Ratio Lower Upper
 105 100
 120 41.9 39.0 58.4
 91 10.8 34.4 51.6#
 77 11.9 15.7 23.5#

