

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037392.D
 Acq On : 11 Aug 2021 15:33
 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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apatel
 8/12/2021 10:17:05 AM

Quant Time: Aug 12 05:47:17 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	1098943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3339664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2595100	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1840645	9.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	46073	0.232	ppbv	99
3) Chlorodifluoromethane	2.98	51	273472m	1.338	ppbv	
4) Chloromethane	3.14	50	12677m	0.168	ppbv	
9) Propene	3.02	41	17636m	0.254	ppbv	
11) Trichlorofluoromethane	3.96	101	50255	0.301	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	11310m	0.095	ppbv	
13) Ethanol	3.63	45	92108m	10.969	ppbv	
15) Acetone	3.86	43	278074	2.656	ppbv #	73
19) Isopropyl Alcohol	4.01	45	54306m	0.901	ppbv	
20) Methylene Chloride	4.35	84	606392	10.665	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	7475m	0.147	ppbv	
26) Hexane	5.69	57	431975	3.182	ppbv #	46
29) Chloroform	5.75	83	60103m	0.309	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	313310	2.576	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	54436m	0.288	ppbv	
34) 2-Butanone	5.26	43	43592	0.344	ppbv #	79
35) Carbon Tetrachloride	7.01	117	7468m	0.040	ppbv	
36) Benzene	6.89	78	49786m	0.188	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	64305m	0.145	ppbv	
52) Tetrachloroethene	11.23	164	17644m	0.163	ppbv	
53) Toluene	9.81	91	209789	0.683	ppbv	96
59) m/p-Xylene	12.97	91	55809m	0.187	ppbv	

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

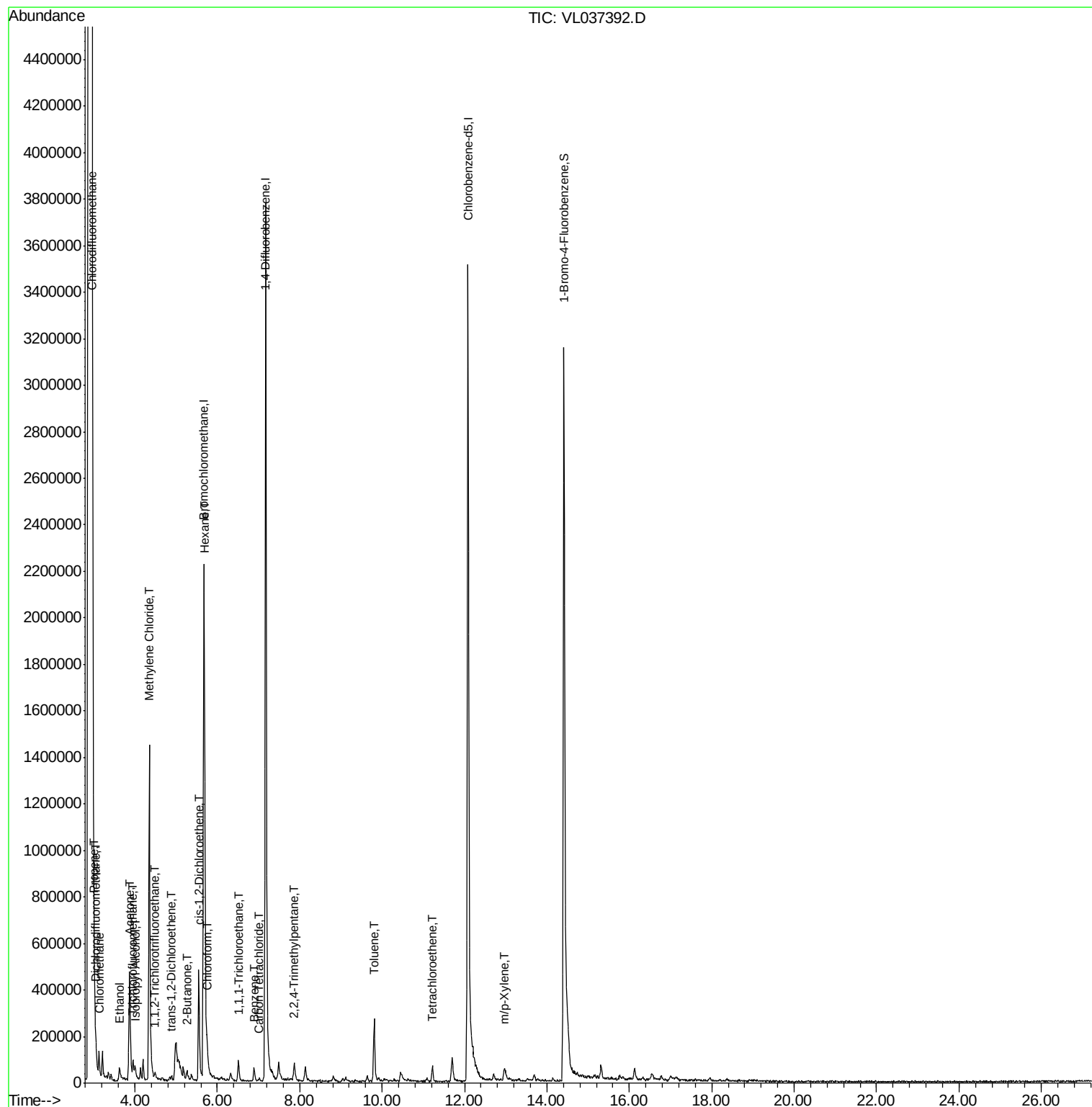
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037392.D
Acq On : 11 Aug 2021 15:33
Operator : SY/AP
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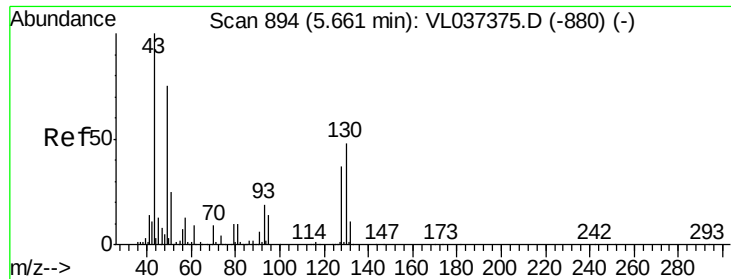
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Aug 12 05:47:17 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL037392.D

Acq: 11 Aug 2021 15:33

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENT

Tot Ion: 49 Resp: 1098943

Ion Ratio Lower Upper

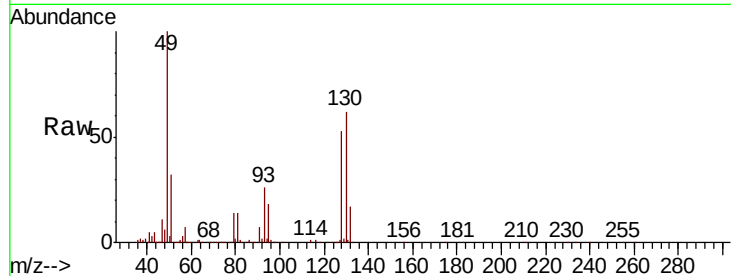
49 100

128 57.0 28.1 84.4

130 72.5 34.3 102.8

Manual Integrations
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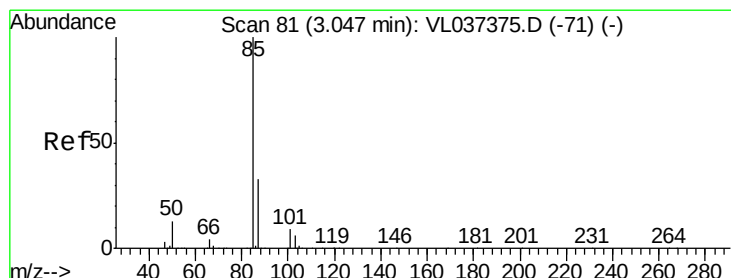
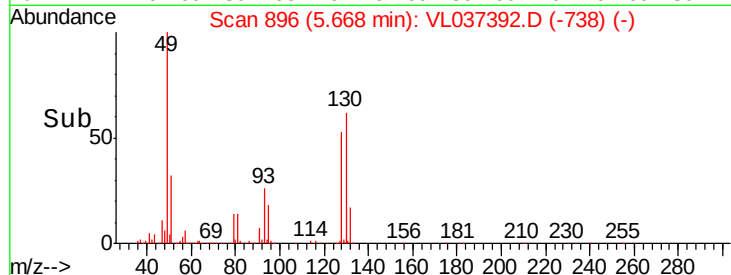
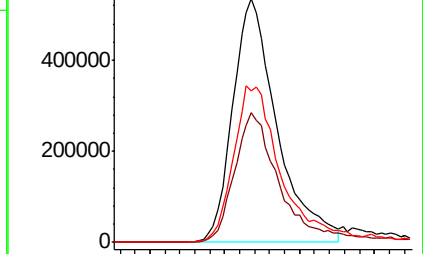
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.232 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037392.D

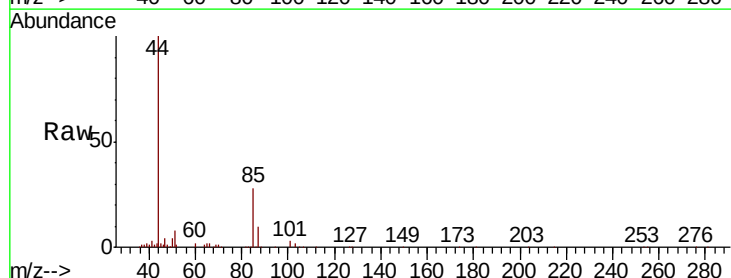
Acq: 11 Aug 2021 15:33

Tgt Ion: 85 Resp: 46073

Ion Ratio Lower Upper

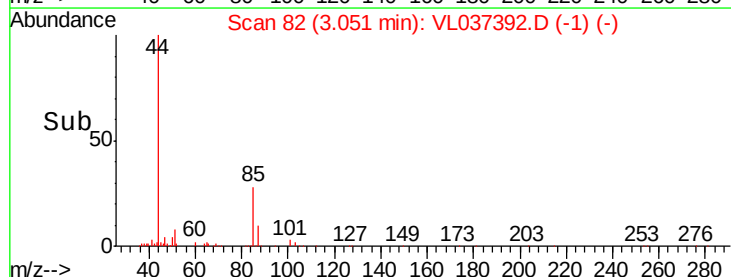
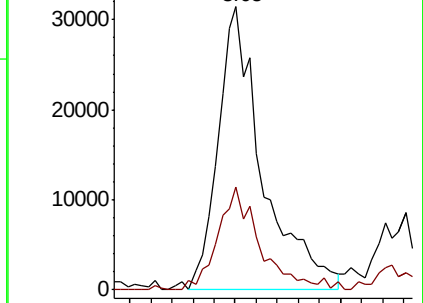
85 100

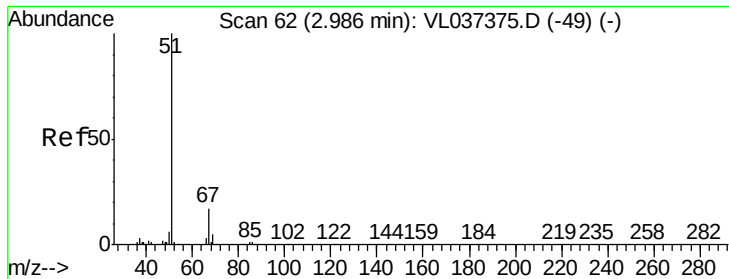
87 33.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.338 ppbv m

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037392.D

Acq: 11 Aug 2021 15:33

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENT

Tot Ion: 51 Resp: 273472

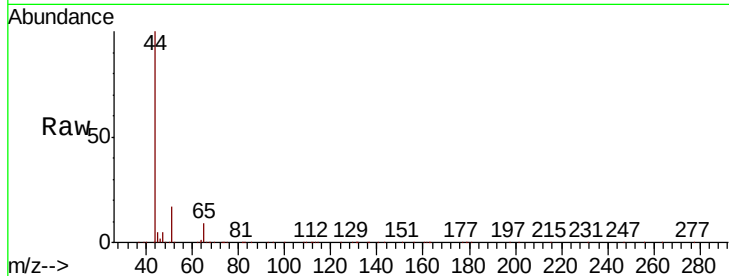
Ion Ratio Lower Upper

51 100

67 3.1 14.3 21.5#

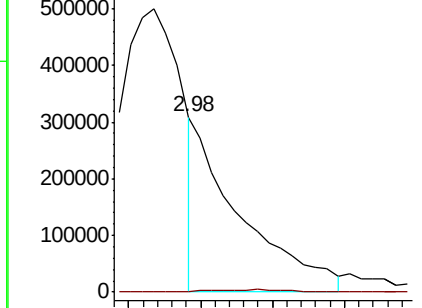
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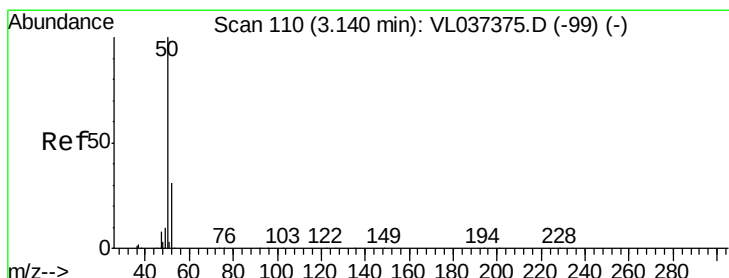
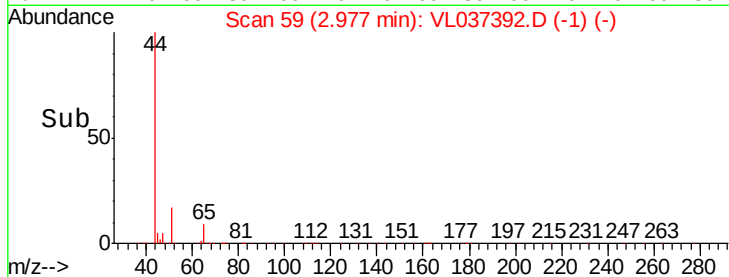


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.168 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037392.D

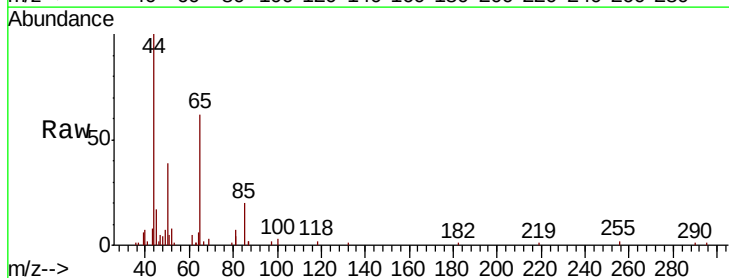
Acq: 11 Aug 2021 15:33

Tgt Ion: 50 Resp: 12677

Ion Ratio Lower Upper

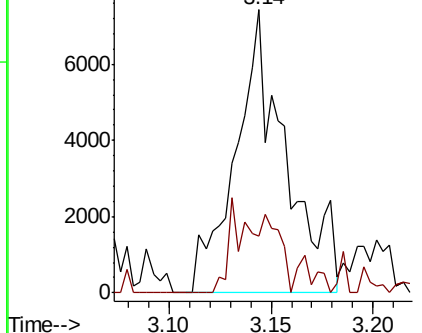
50 100

52 20.0 25.0 37.4#

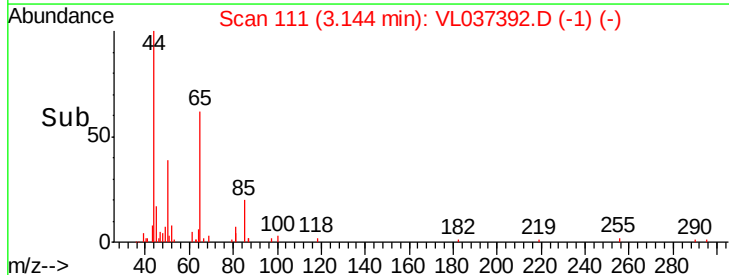


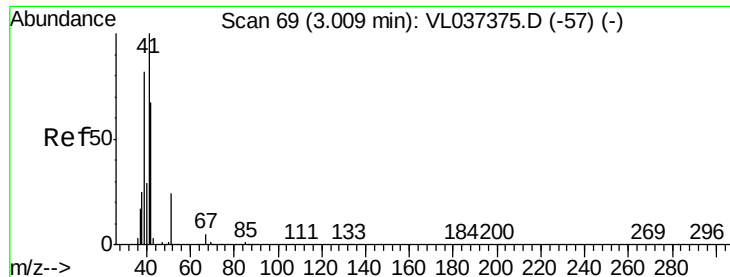
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#9

Propene

Concen: 0.254 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037392.D

Acq: 11 Aug 2021 15:33

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENT

Tot Ion: 41 Resp: 17636

Ion Ratio Lower Upper

41 100

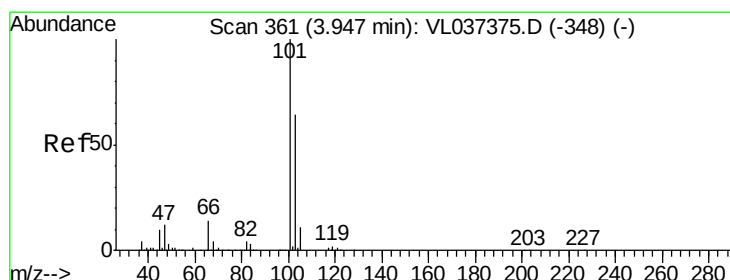
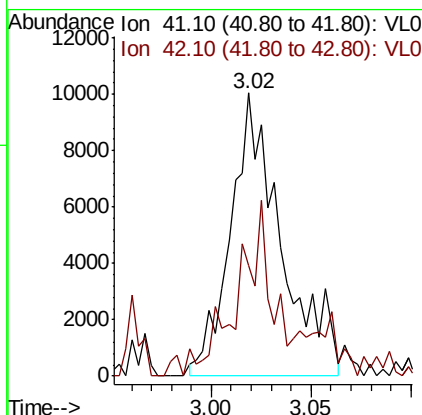
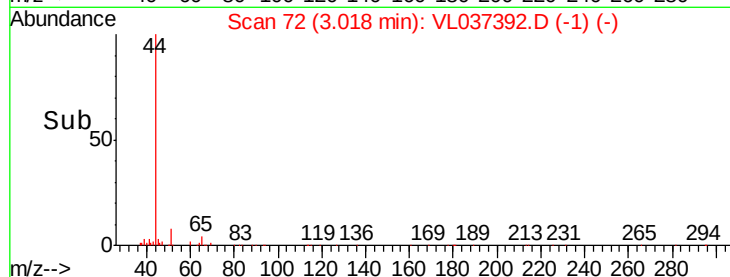
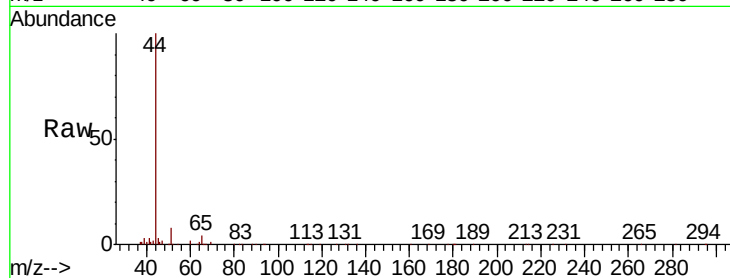
42 11.2 55.5 83.3#

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#11

Trichlorofluoromethane

Concen: 0.301 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037392.D

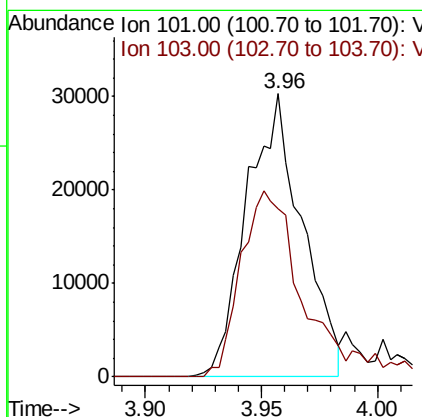
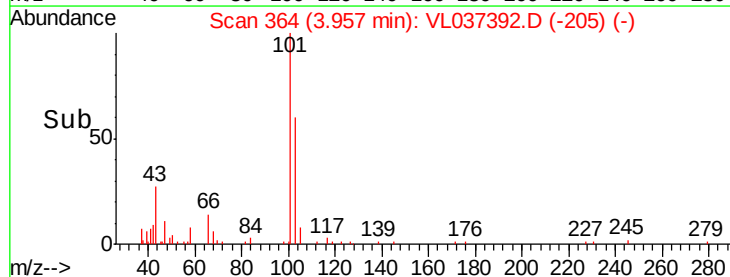
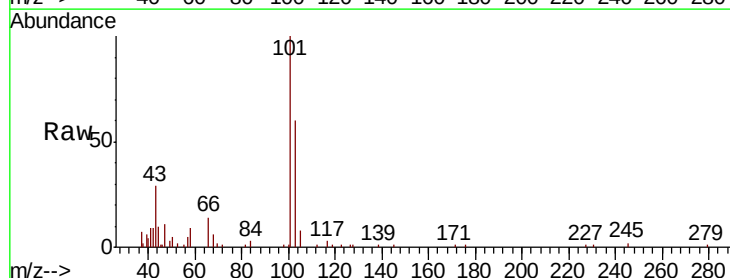
Acq: 11 Aug 2021 15:33

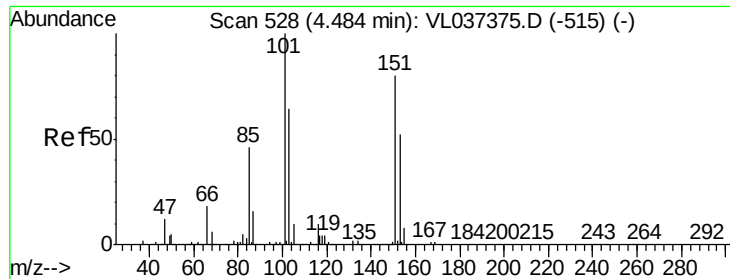
Tgt Ion: 101 Resp: 50255

Ion Ratio Lower Upper

101 100

103 59.5 51.2 76.8





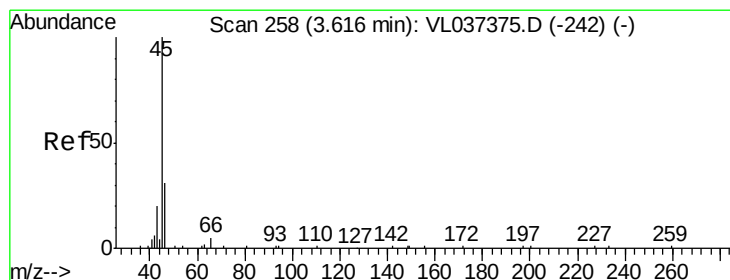
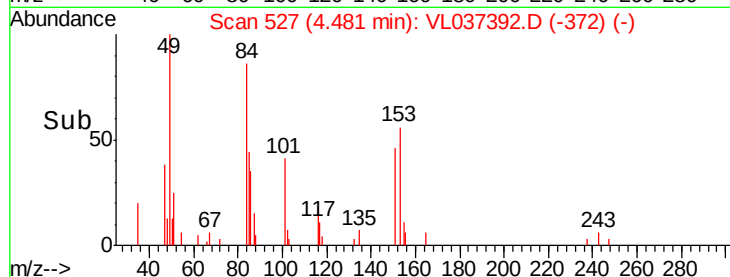
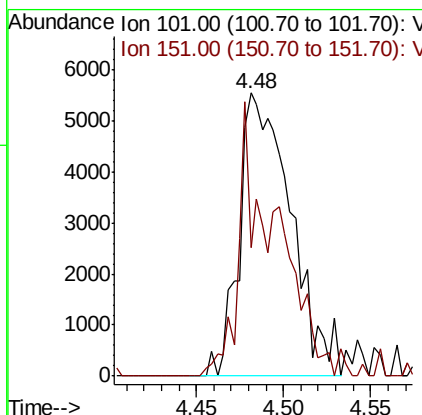
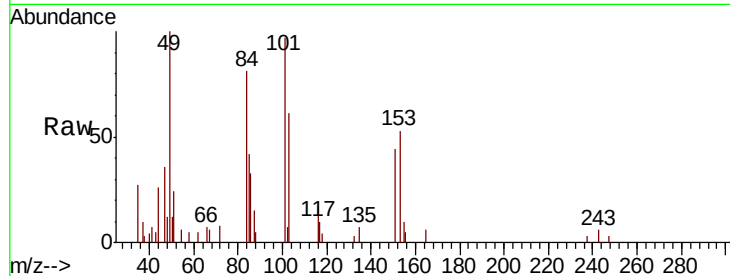
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.095 ppbv m
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion: 101 Resp: 11310
Ion Ratio Lower Upper
101 100
151 0.0 64.9 97.3#

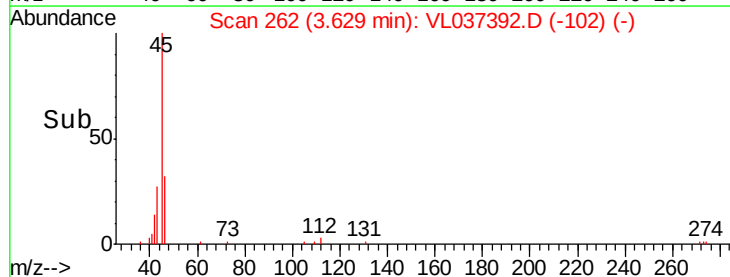
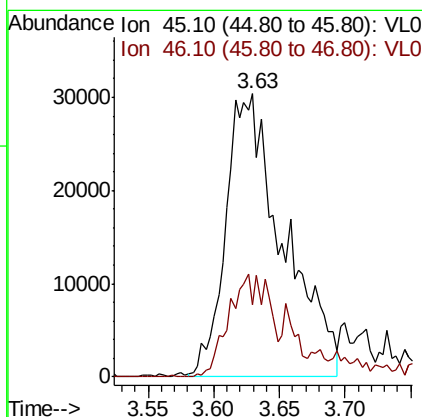
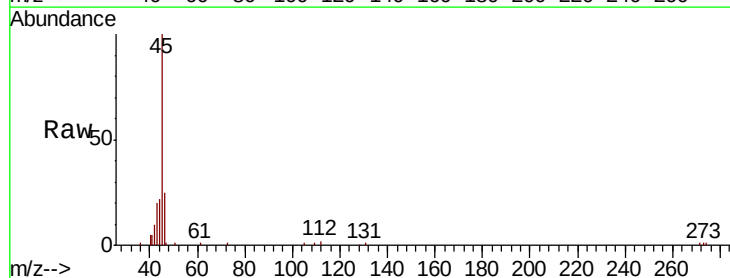
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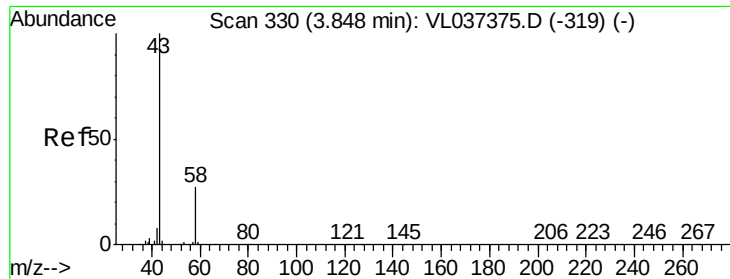
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#13
Ethanol
Concen: 10.969 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion: 45 Resp: 92108
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.4#





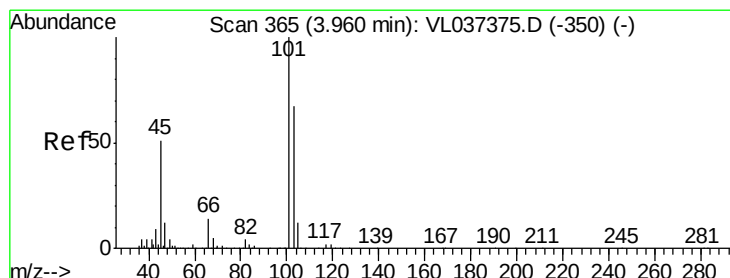
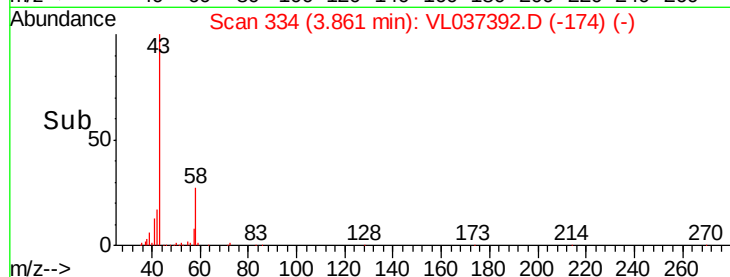
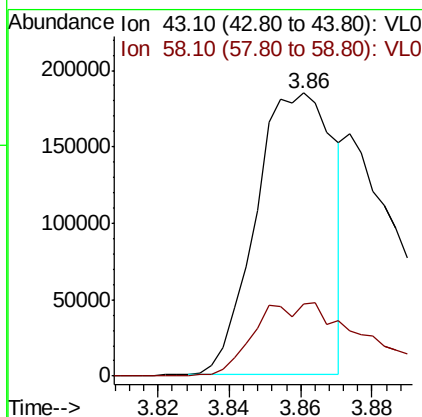
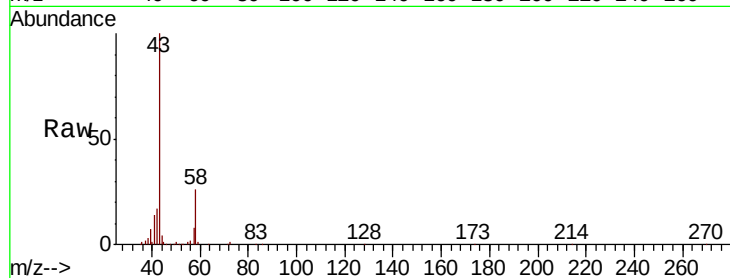
#15
Acetone
Concen: 2.656 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	24.6	37.0#

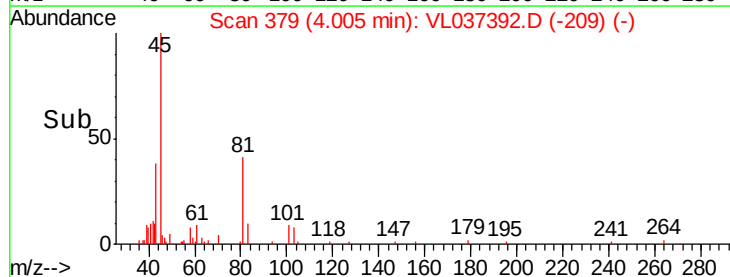
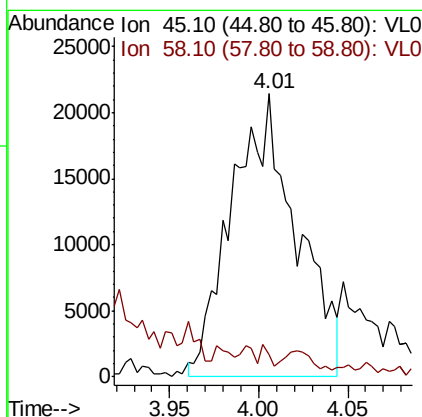
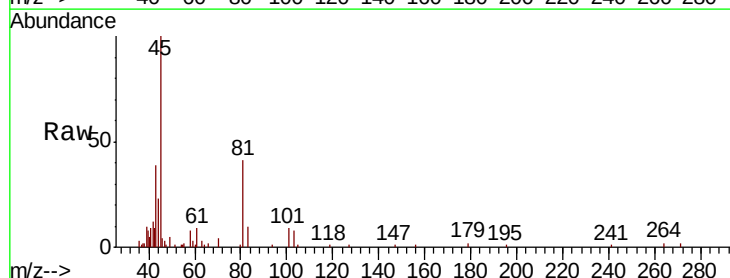
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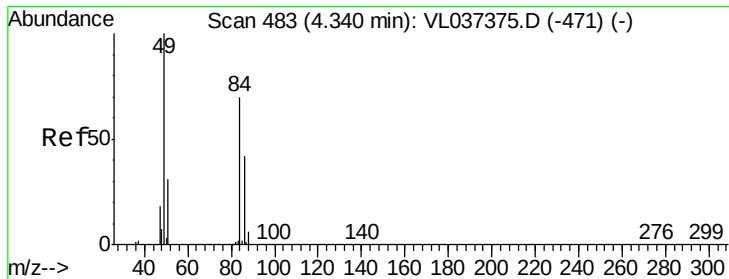
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#19
Isopropyl Alcohol
Concen: 0.901 ppbv m
RT: 4.01 min Scan# 379
Delta R.T. 0.05 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	38.7	58.1#





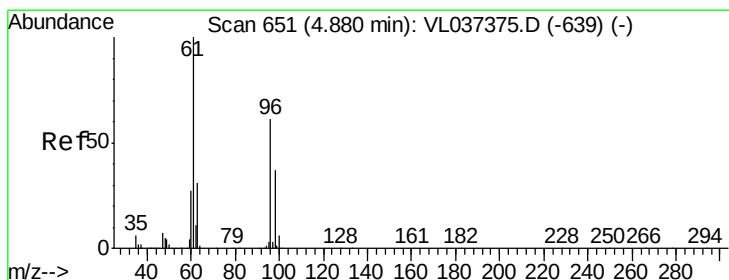
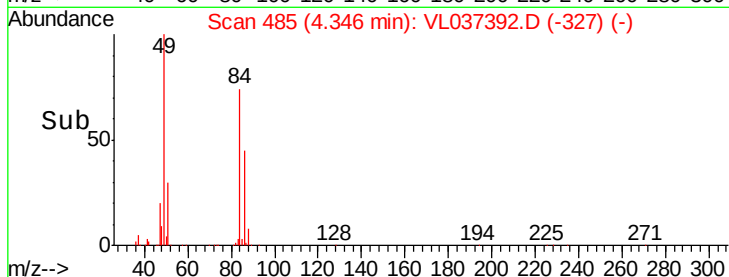
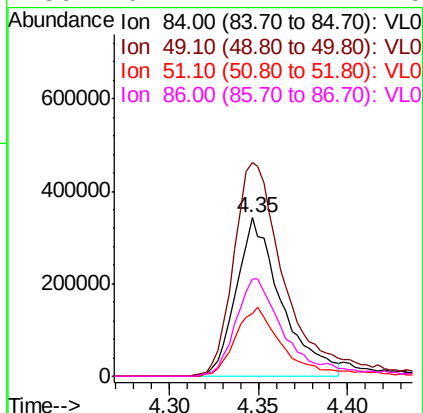
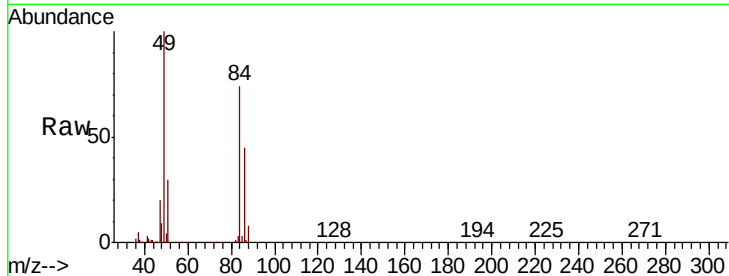
#20
Methylene Chloride
Concen: 10.665 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	84	Resp	606392
Ion	Ratio	Lower	Upper
84	100		
49	134.5	113.8	170.6
51	39.7	34.7	52.1
86	61.1	47.4	71.0

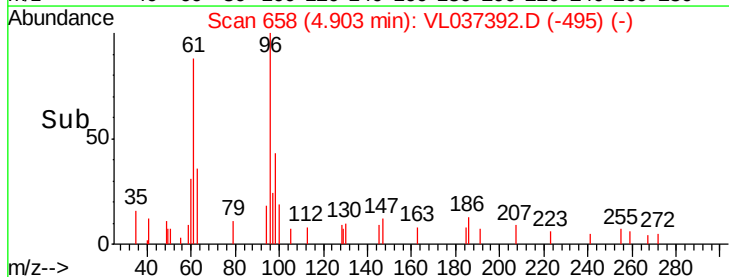
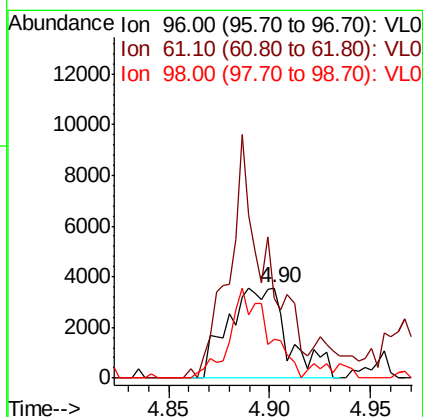
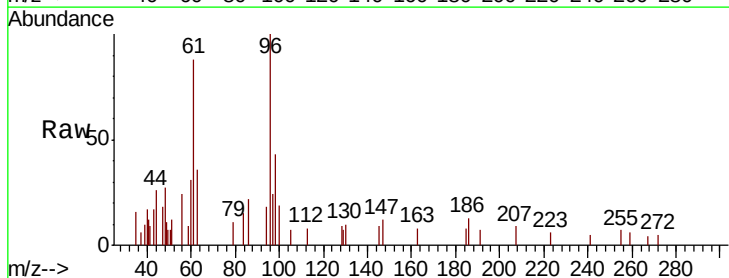
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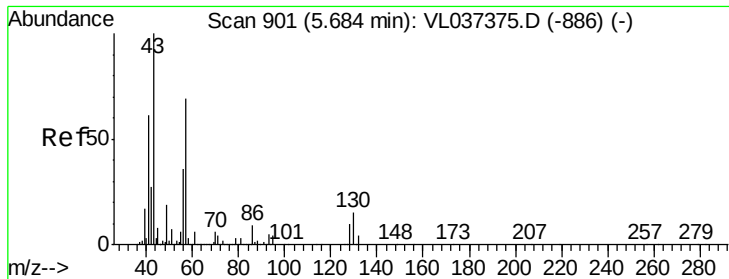
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#22
trans-1,2-Dichloroethene
Concen: 0.147 ppbv m
RT: 4.90 min Scan# 658
Delta R.T. 0.02 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion	96	Resp	7475
Ion	Ratio	Lower	Upper
96	100		
61	87.5	132.2	198.4#
98	42.9	48.7	73.1#





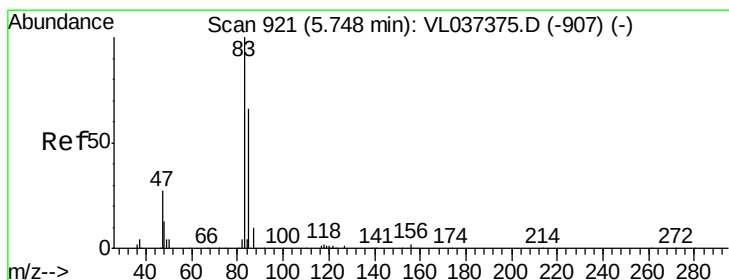
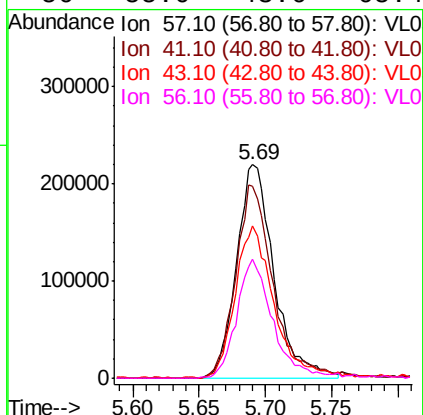
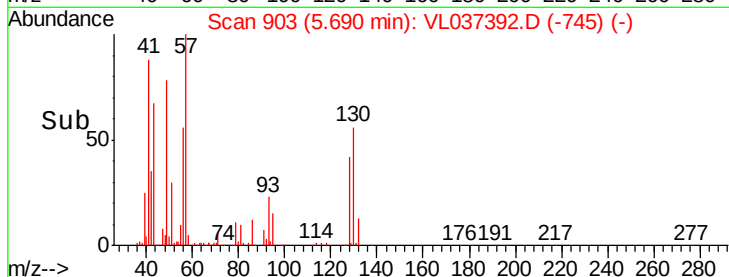
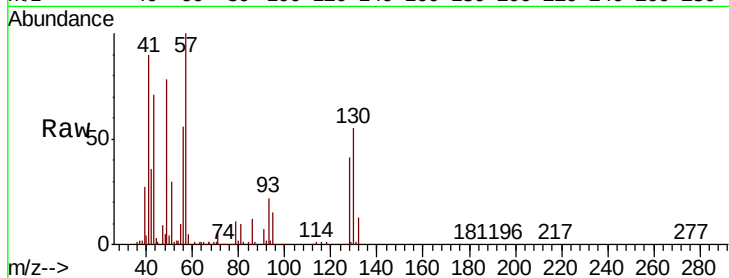
#26
Hexane
Concen: 3.182 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.6	73.4	110.0
43	74.8	174.4	261.6#
56	55.0	43.6	65.4

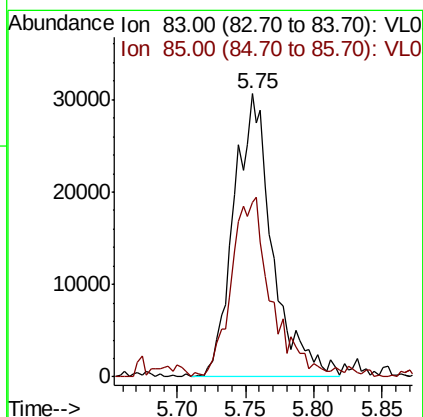
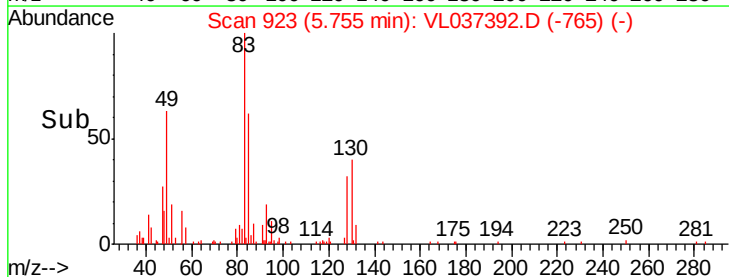
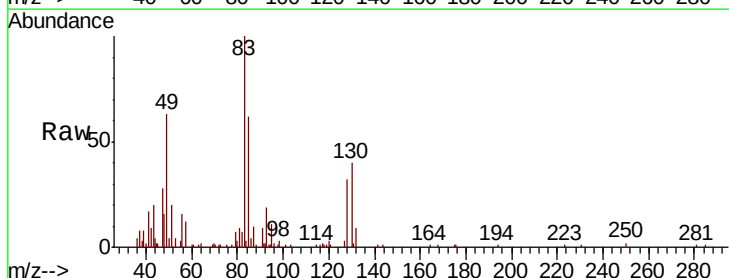
Manual Integrations
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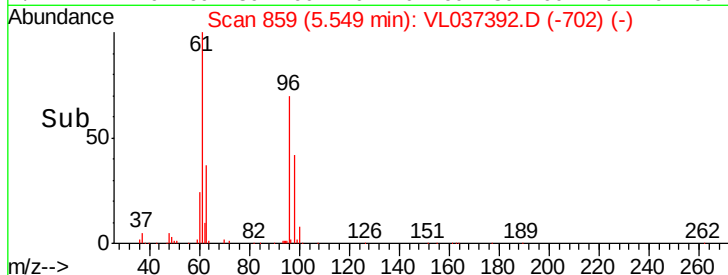
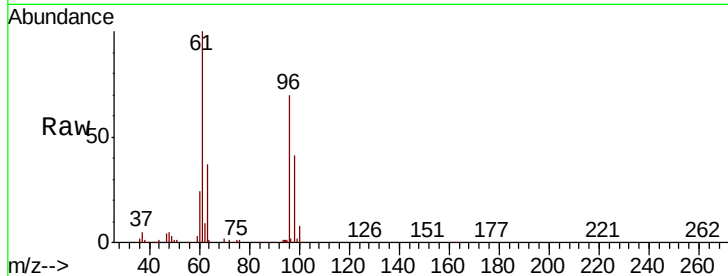
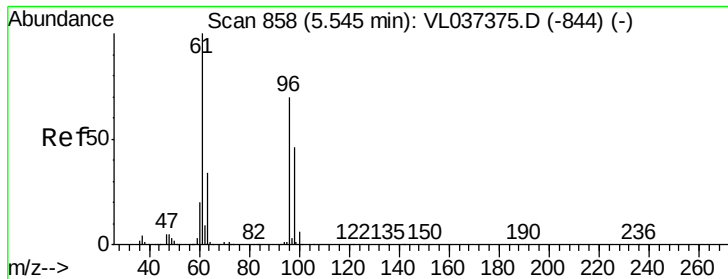
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#29
Chloroform
Concen: 0.309 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.8	79.2





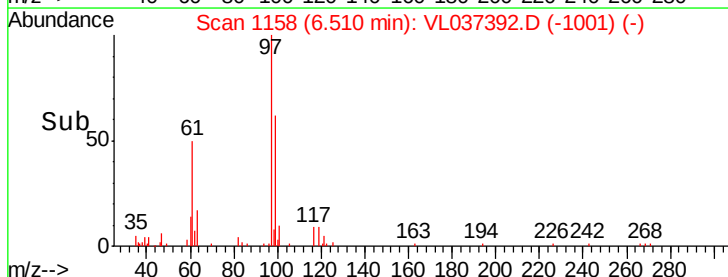
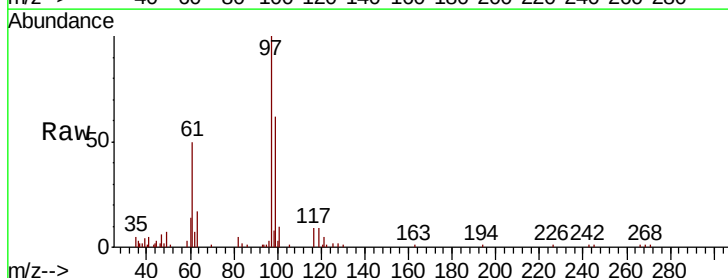
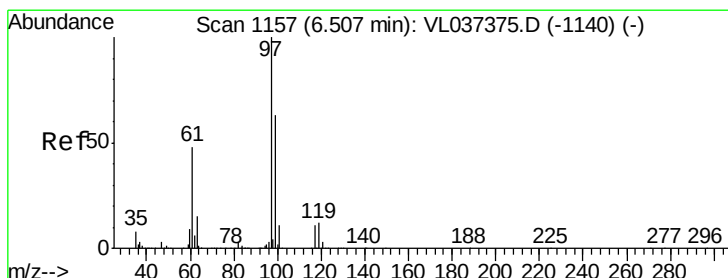
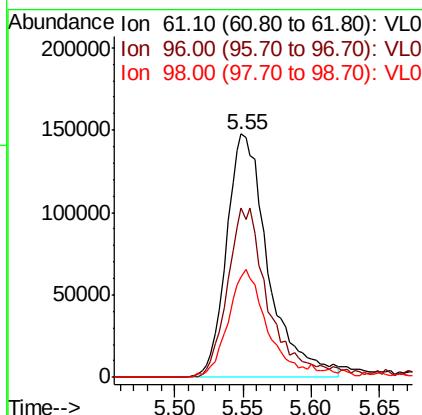
#31
 cis-1,2-Dichloroethene
 Concen: 2.576 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Tot Ion:	61	Resp:	313310
Ion Ratio	Lower	Upper	
61	100		
96	69.5	56.0	84.0
98	41.4	36.8	55.2

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

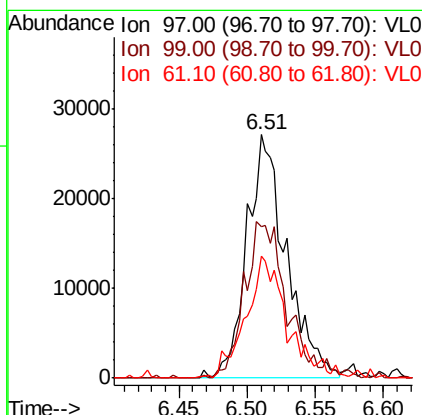
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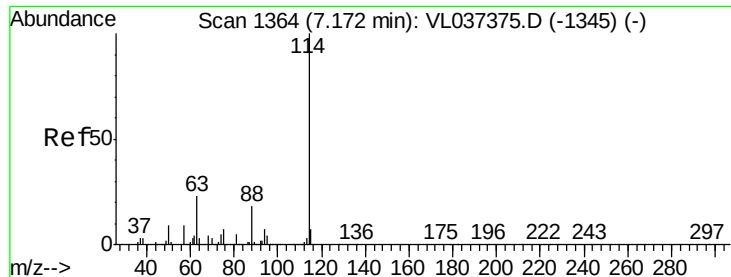
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#32
 1,1,1-Trichloroethane
 Concen: 0.288 ppbv m
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Tgt Ion:	97	Resp:	54436
Ion Ratio	Lower	Upper	
97	100		
99	70.2	52.7	79.1
61	53.8	39.9	59.9





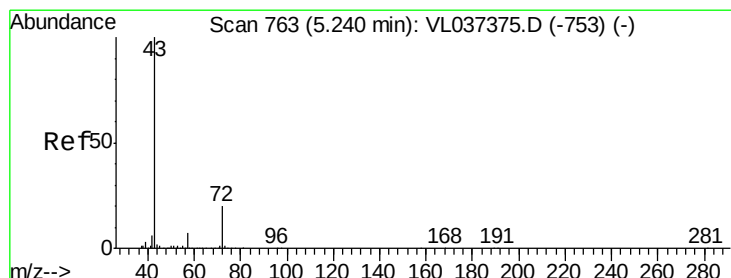
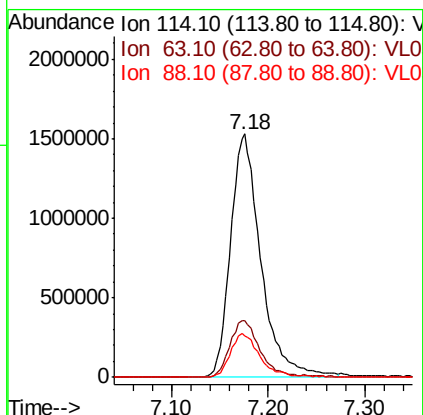
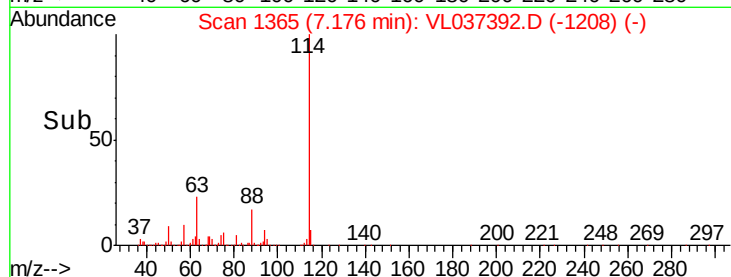
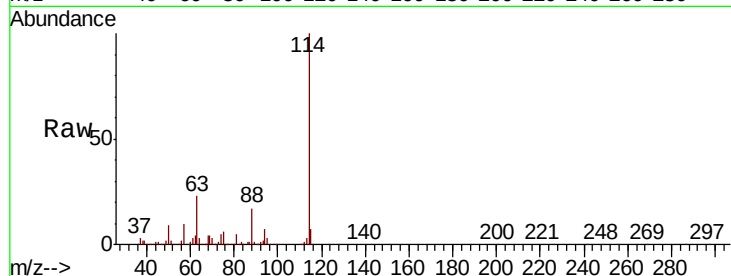
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.5	29.3
88	18.0	14.3	21.5

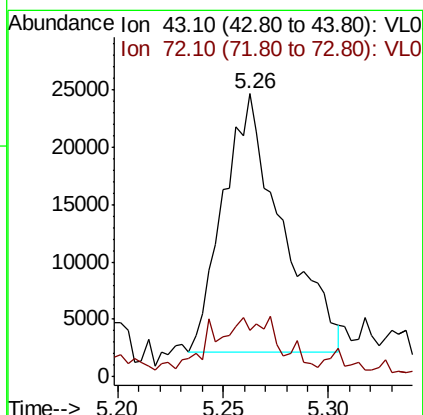
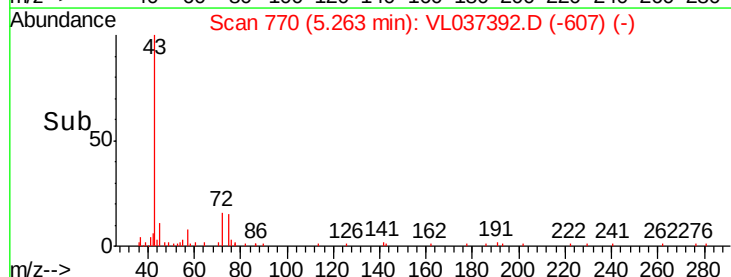
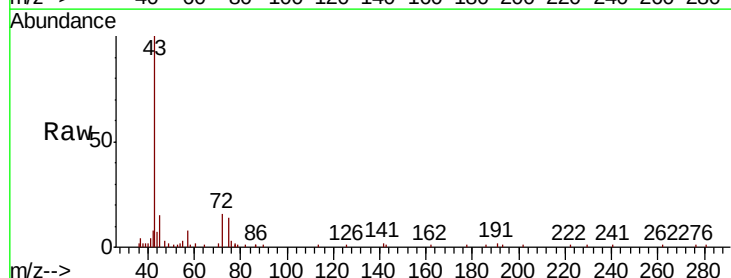
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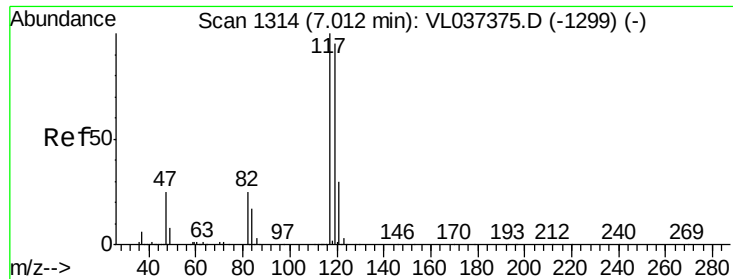
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#34
 2-Butanone
 Concen: 0.344 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.0	19.6	29.4





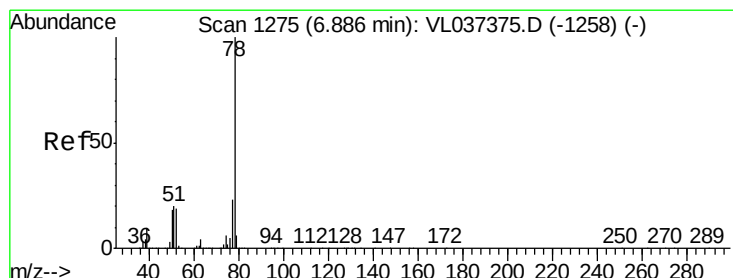
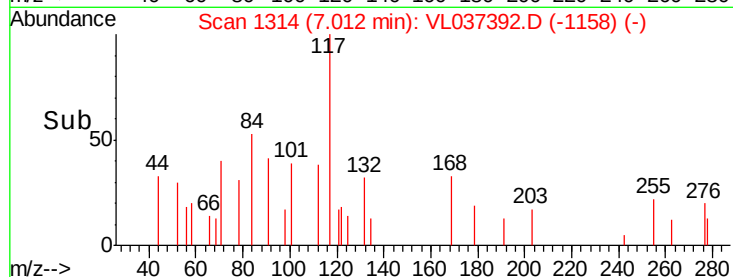
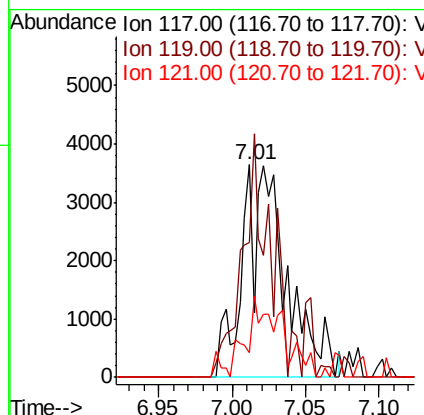
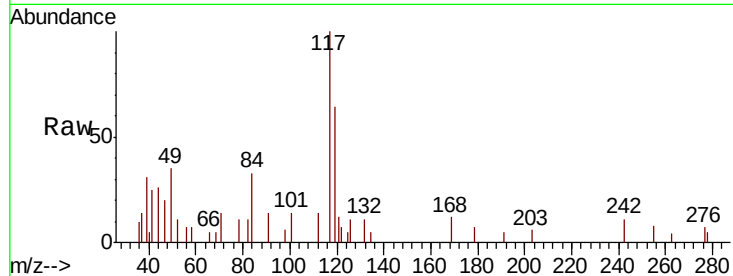
#35
Carbon Tetrachloride
Concen: 0.040 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
117	100		
119	63.5	76.1	114.1#
121	11.9	24.4	36.6#

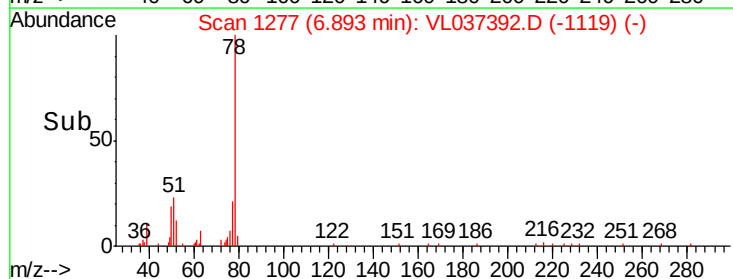
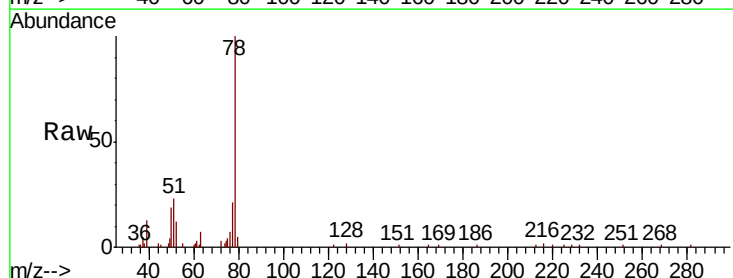
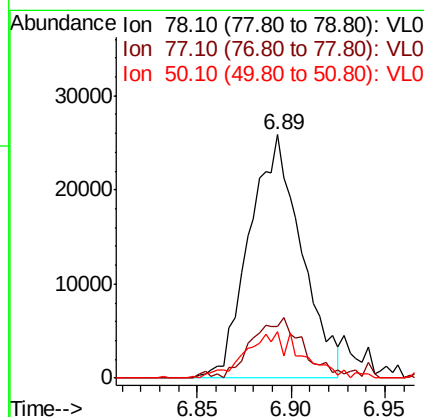
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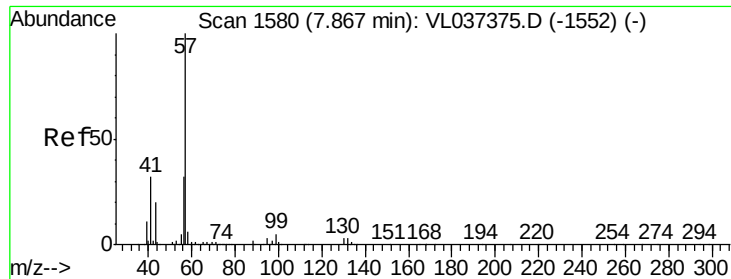
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#36
Benzene
Concen: 0.188 ppbv m
RT: 6.89 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.6	28.0
50	19.1	14.3	21.5





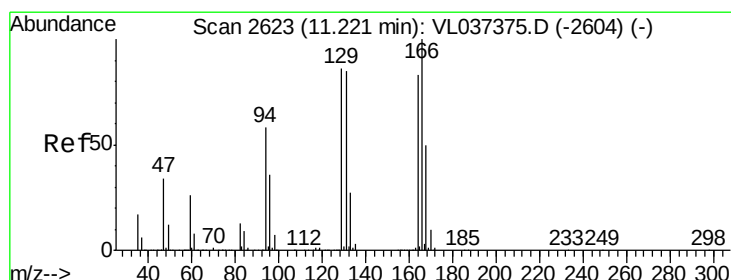
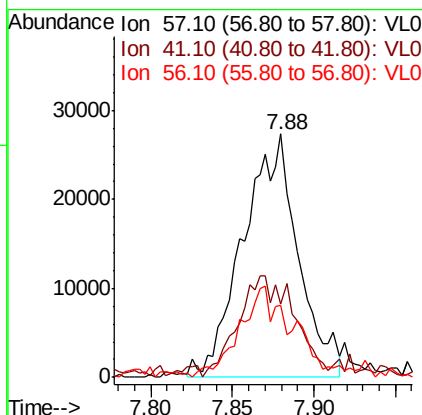
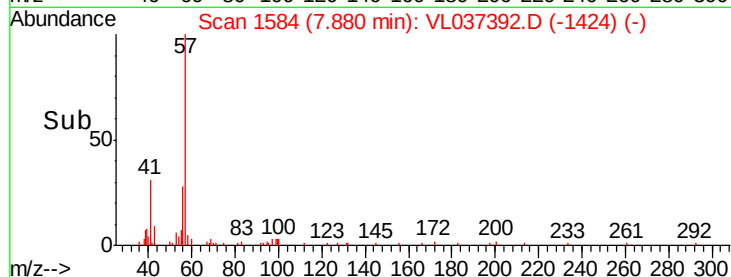
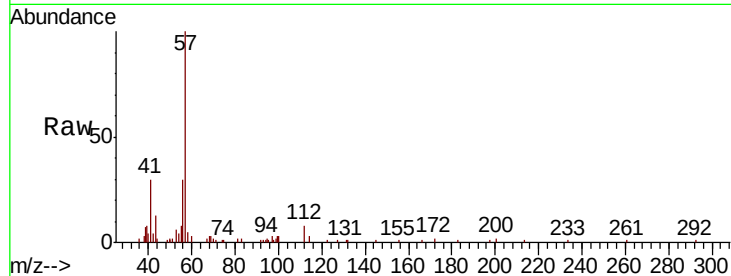
#44
 2,2,4-Trimethylpentane
 Concen: 0.145 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
57	100		
41	38.5	26.1	39.1
56	37.5	25.1	37.7

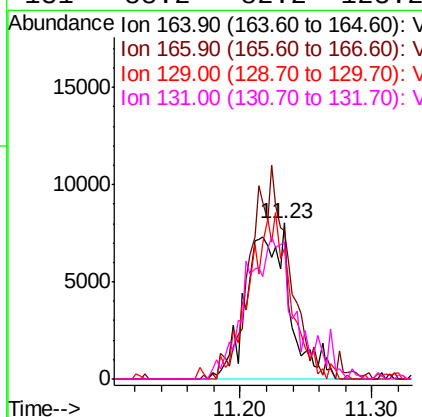
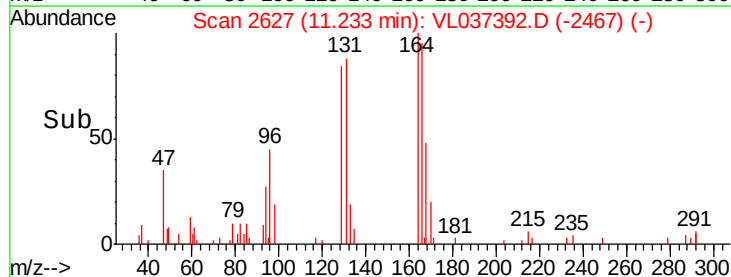
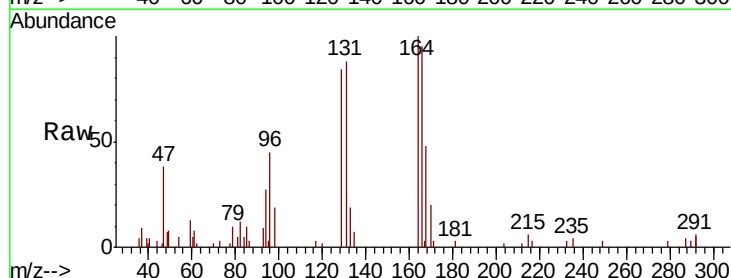
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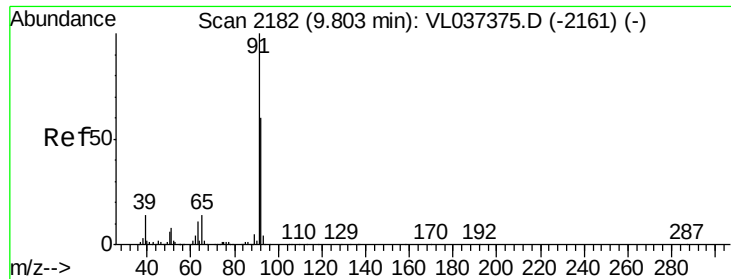
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#52
 Tetrachloroethene
 Concen: 0.163 ppbv m
 RT: 11.23 min Scan# 2627
 Delta R.T. 0.01 min
 Lab File: VL037392.D
 Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	95.3	96.5	144.7#
129	83.6	83.2	124.8
131	88.2	82.2	123.2





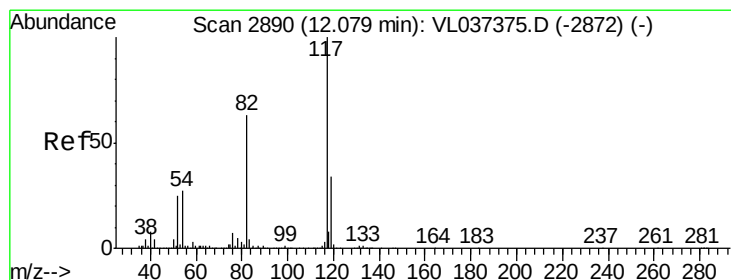
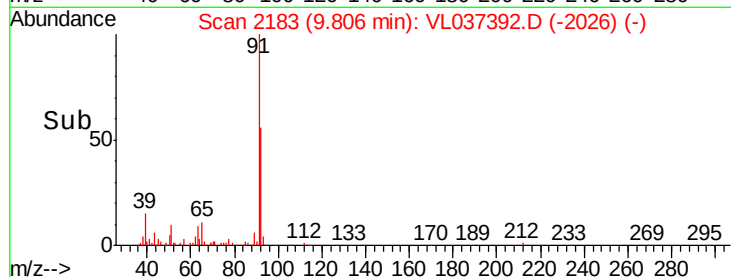
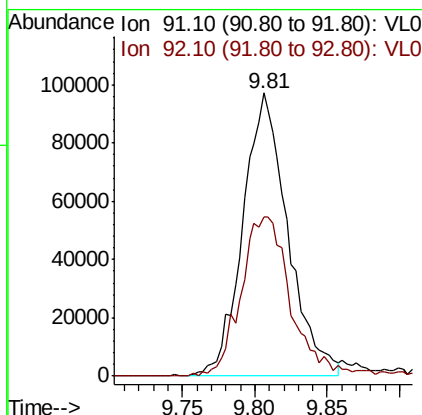
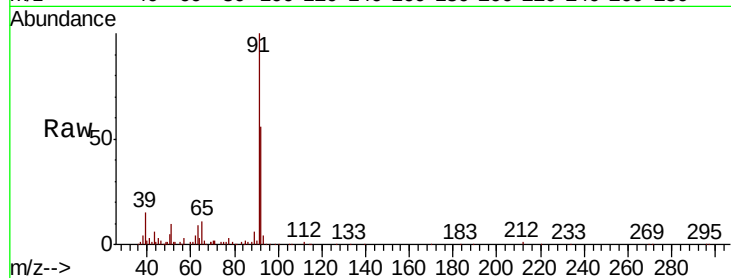
#53
Toluene
Concen: 0.683 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	48.1	72.1

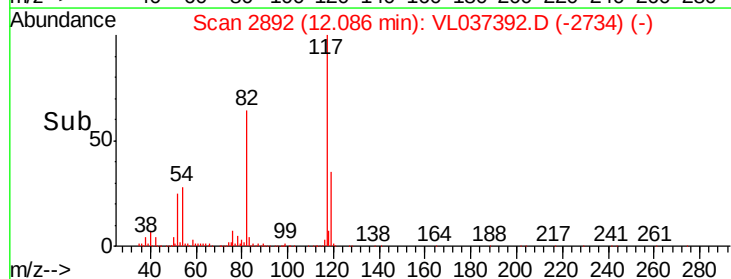
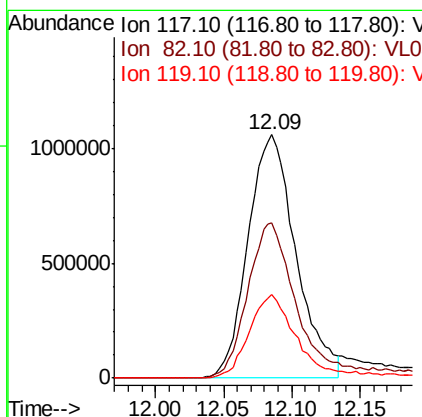
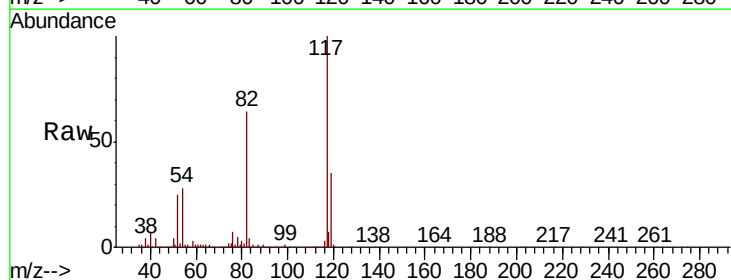
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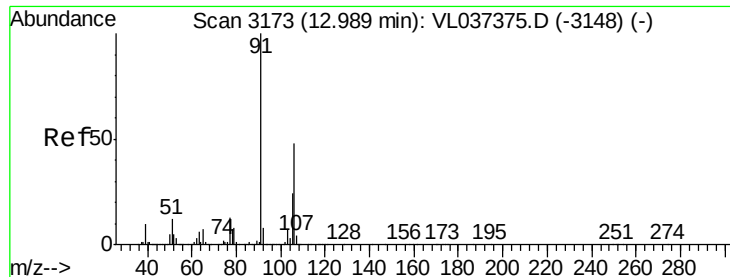
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.4	52.6	78.8
119	37.5	46.7	70.1#





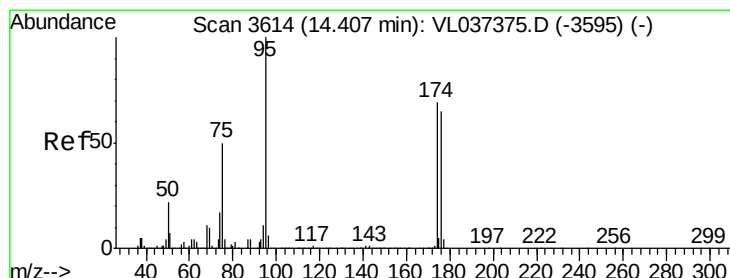
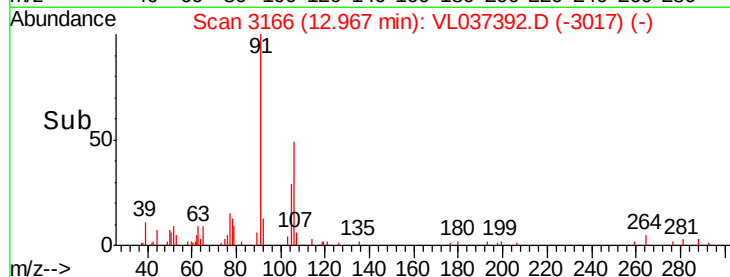
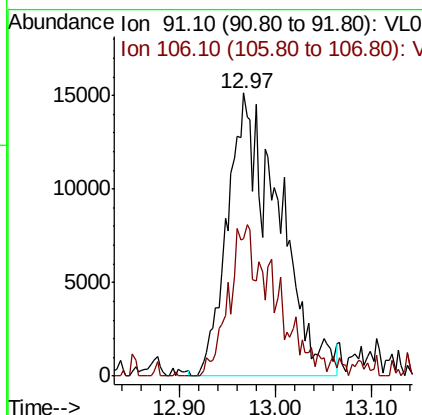
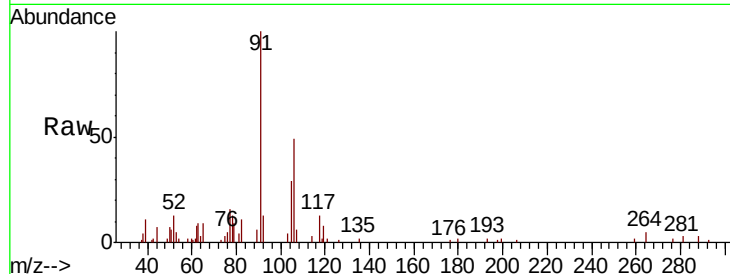
#59
m/p-Xylene
Concen: 0.187 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tot Ion: 91 Resp: 55809
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.511 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.01 min
Lab File: VL037392.D
Acq: 11 Aug 2021 15:33

Tgt Ion: 95 Resp: 1840645
Ion Ratio Lower Upper
95 100
174 76.1 58.3 87.5
175 4.9 4.3 6.5

