

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037393.D
 Acq On : 11 Aug 2021 16:10
 Operator : SY/AP
 Sample : M3157-05DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Manual Integrations
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apatel
 8/12/2021 10:17:07 AM

Quant Time: Aug 12 03:23:37 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	231910	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	605151	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	489310m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	329236	9.02	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	29625	0.707	ppbv	96
3) Chlorodifluoromethane	2.98	51	89842m	2.084	ppbv	
4) Chloromethane	3.16	50	6311m	0.397	ppbv	
9) Propene	3.02	41	8125m	0.553	ppbv	
11) Trichlorofluoromethane	3.95	101	31747m	0.901	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5233m	0.209	ppbv	
13) Ethanol	3.64	45	31978m	18.046	ppbv	
15) Acetone	3.87	43	220238	9.968	ppbv #	82
19) Isopropyl Alcohol	4.03	45	17515m	1.377	ppbv	
20) Methylene Chloride	4.35	84	372270	31.027	ppbv	96
26) Hexane	5.69	57	242526	8.466	ppbv #	46
29) Chloroform	5.75	83	26171m	0.637	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	109747	4.275	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	21687m	0.545	ppbv	
34) 2-Butanone	5.28	43	19238m	0.837	ppbv	
35) Carbon Tetrachloride	7.03	117	3727m	0.110	ppbv	
36) Benzene	6.89	78	21758m	0.453	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	28841m	0.360	ppbv	
52) Tetrachloroethene	11.22	164	7515m	0.384	ppbv	
53) Toluene	9.81	91	77173m	1.386	ppbv	
59) m/p-Xylene	12.98	91	20396m	0.363	ppbv	

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

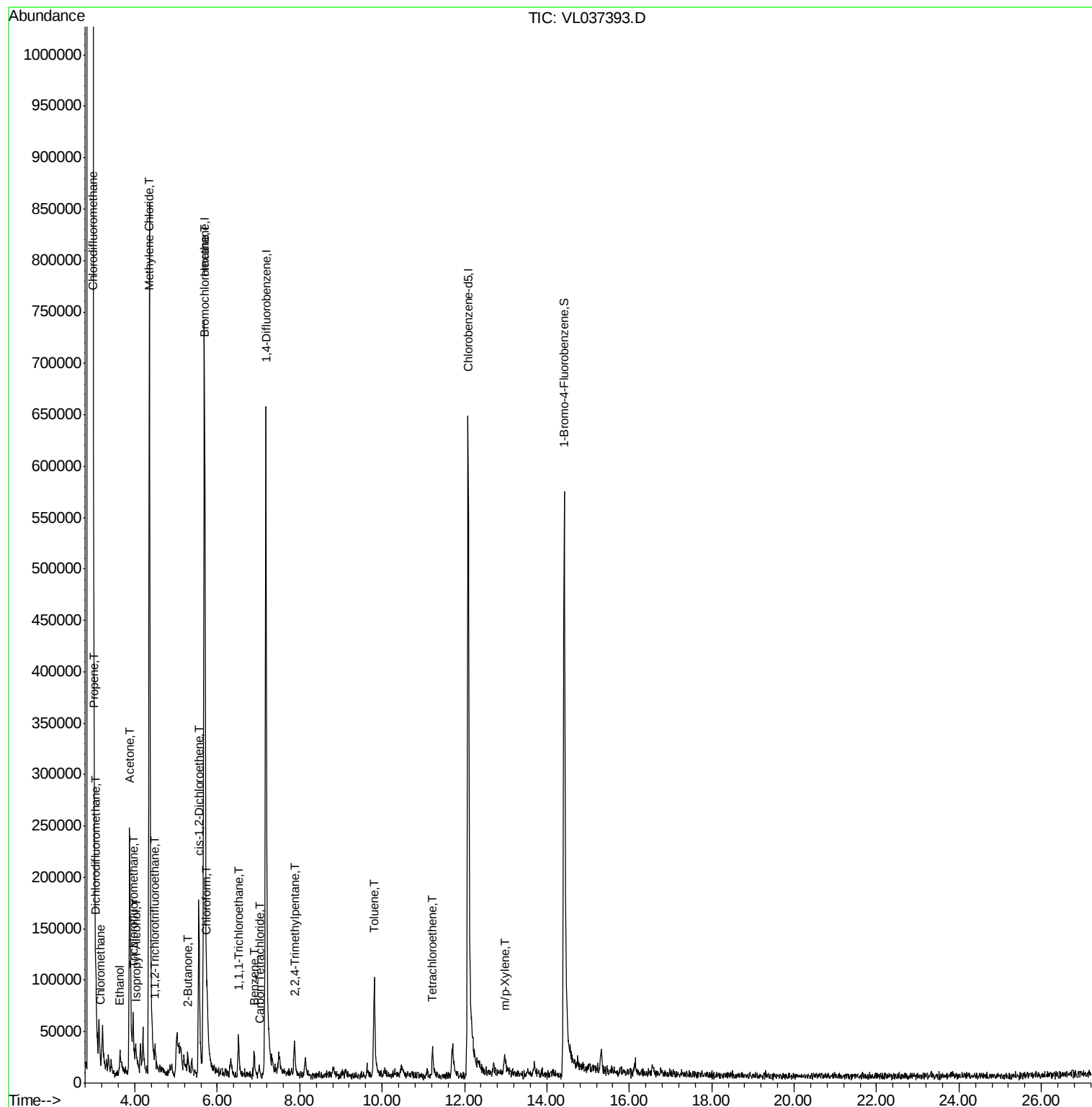
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
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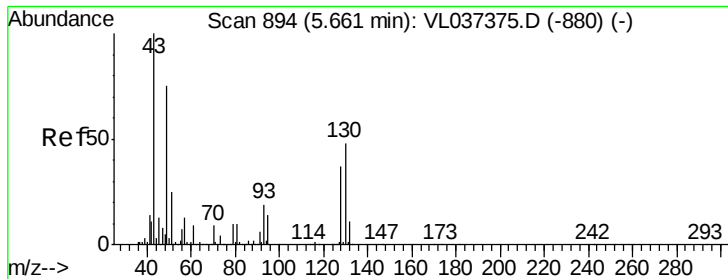
Instrument :
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Quant Time: Aug 12 03:23:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

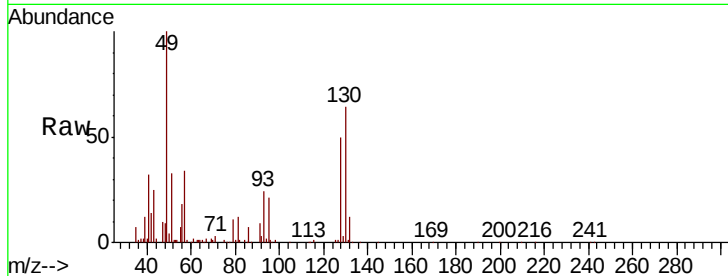
ClientSampleId :

SVE-INFLUENT

Tot Ion:	49	Resp:	231910
Ion	Ratio	Lower	Upper
49	100		
128	58.5	28.1	84.4
130	76.0	34.3	102.8

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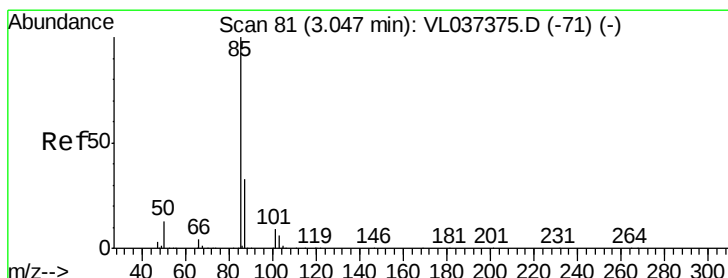
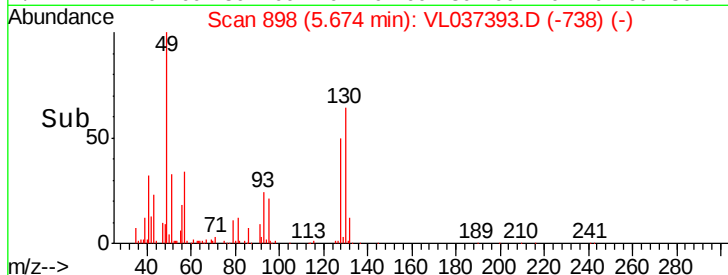
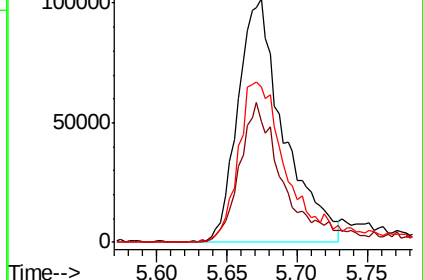
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.707 ppbv

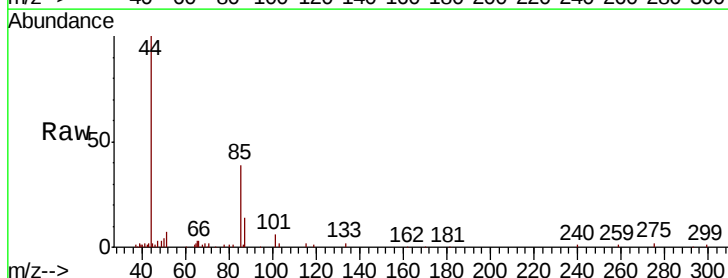
RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037393.D

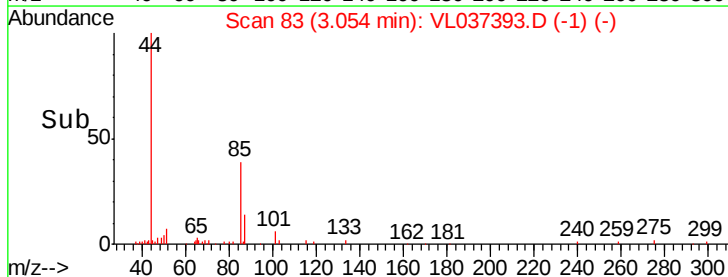
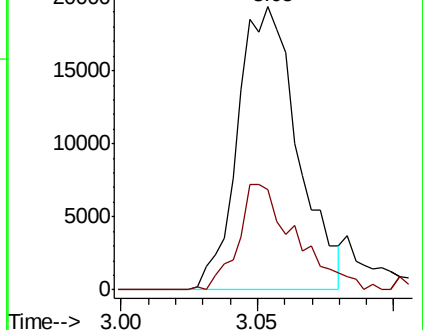
Acq: 11 Aug 2021 16:10

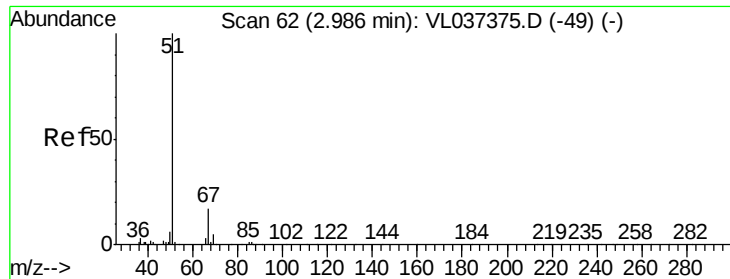
Tgt Ion:	85	Resp:	29625
Ion	Ratio	Lower	Upper
85	100		
87	35.6	26.6	39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.084 ppbv m

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 51 Resp: 89842

Ion Ratio Lower Upper

51 100

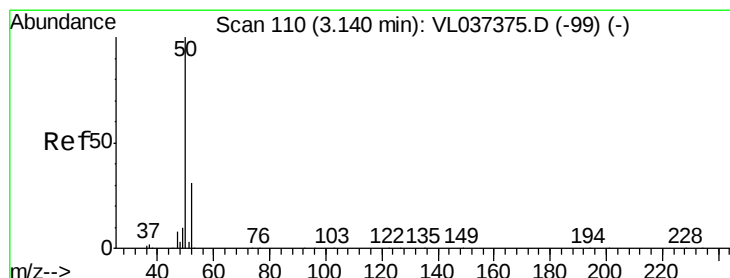
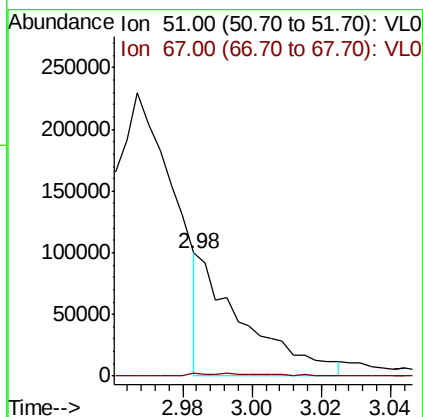
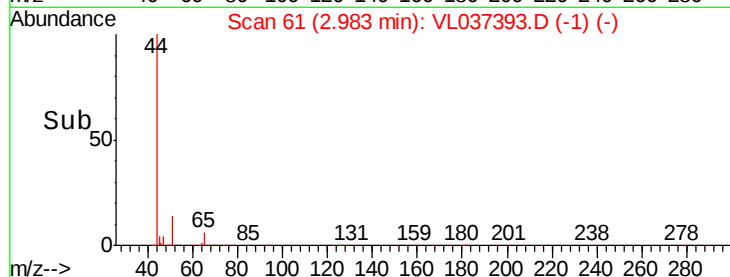
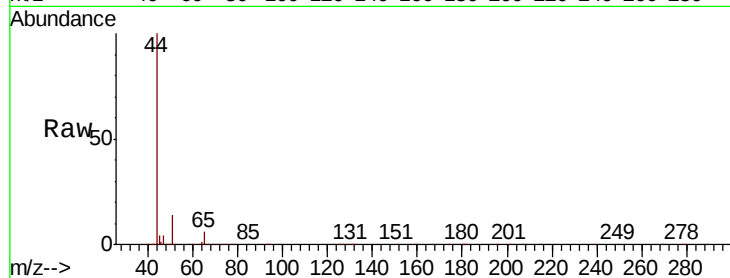
67 0.2 14.3 21.5#

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#4

Chloromethane

Concen: 0.397 ppbv m

RT: 3.16 min Scan# 116

Delta R.T. 0.02 min

Lab File: VL037393.D

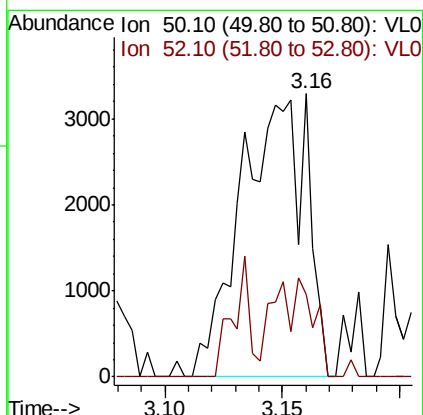
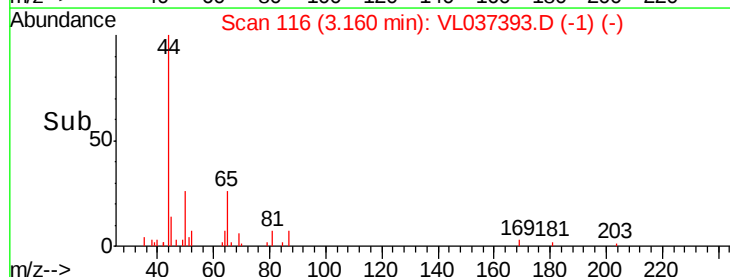
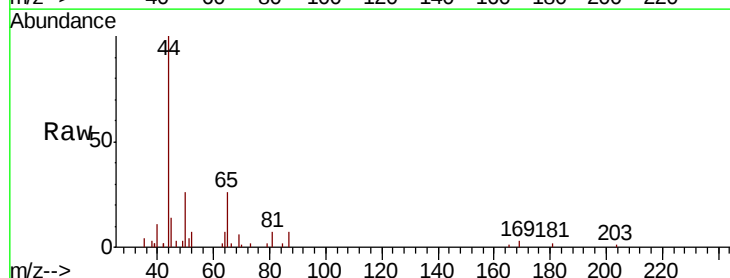
Acq: 11 Aug 2021 16:10

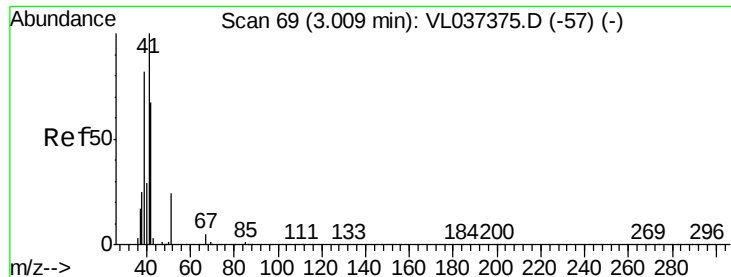
Tgt Ion: 50 Resp: 6311

Ion Ratio Lower Upper

50 100

52 29.0 25.0 37.4





#9

Propene

Concen: 0.553 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 41 Resp: 8125

Ion Ratio Lower Upper

41 100

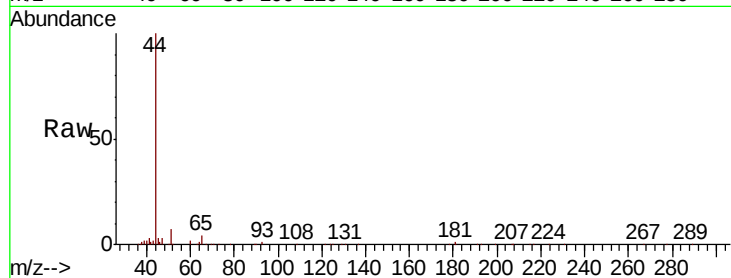
42 40.7 55.5 83.3#

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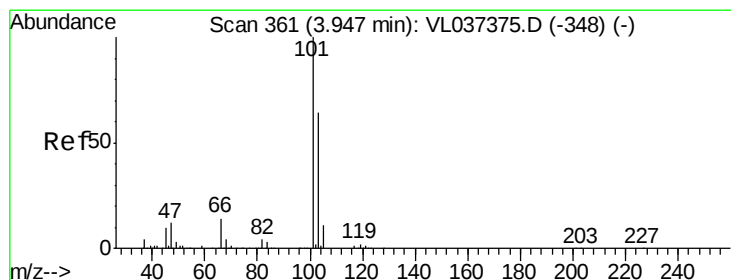
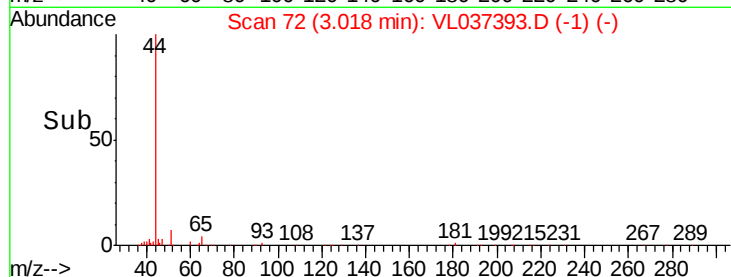
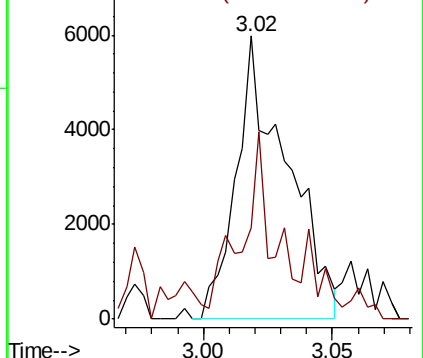
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.901 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL037393.D

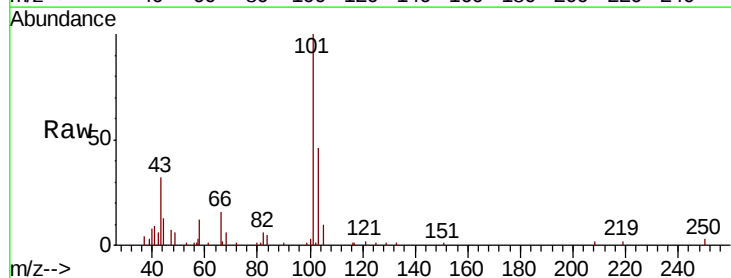
Acq: 11 Aug 2021 16:10

Tgt Ion: 101 Resp: 31747

Ion Ratio Lower Upper

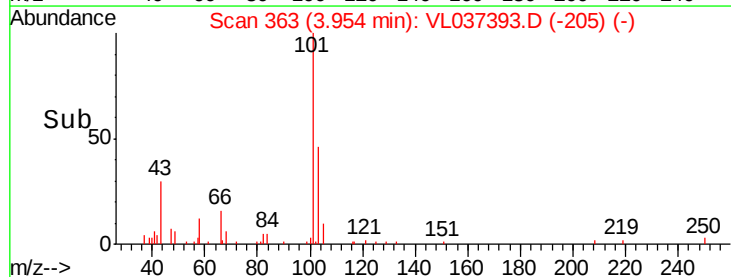
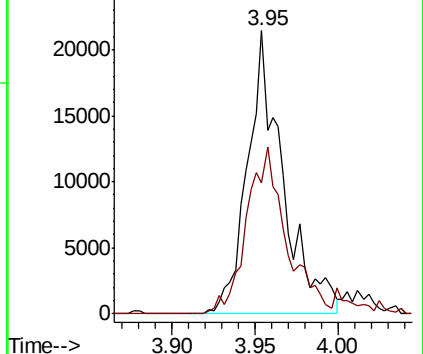
101 100

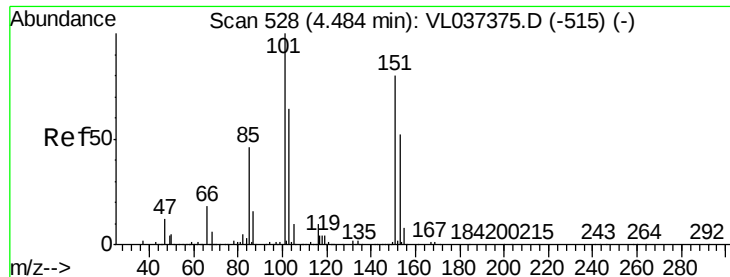
103 46.2 51.2 76.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.209 ppbv m

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion:101 Resp: 5233

Ion Ratio Lower Upper

101 100

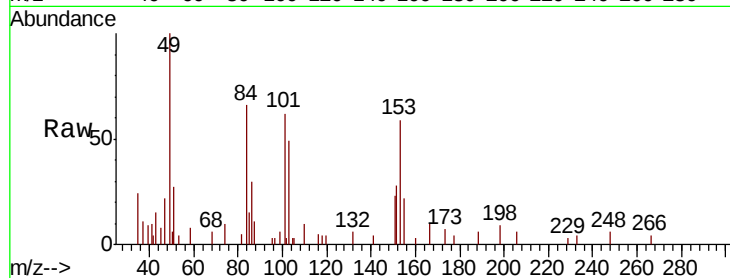
151 100.3 64.9 97.3#

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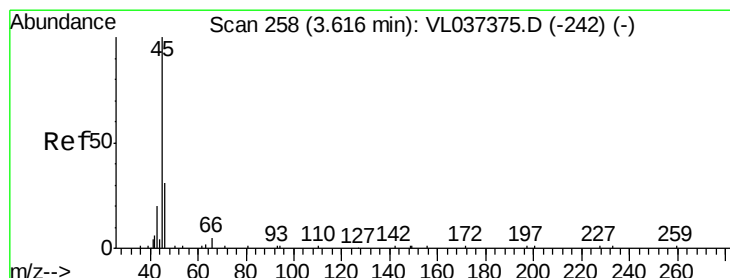
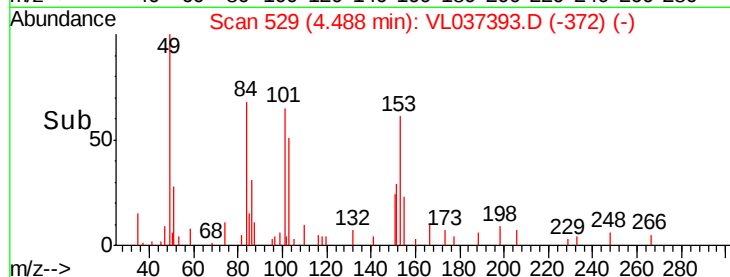
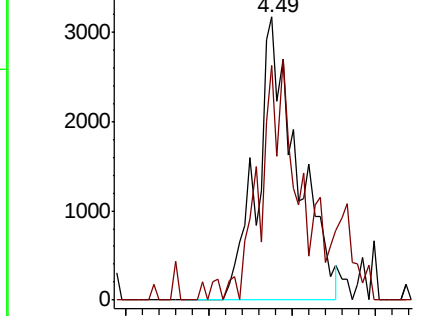
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 18.046 ppbv m

RT: 3.64 min Scan# 265

Delta R.T. 0.02 min

Lab File: VL037393.D

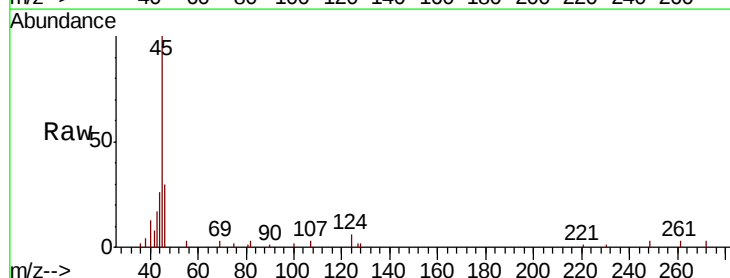
Acq: 11 Aug 2021 16:10

Tgt Ion: 45 Resp: 31978

Ion Ratio Lower Upper

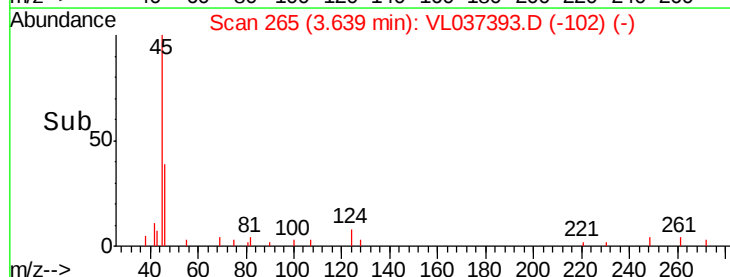
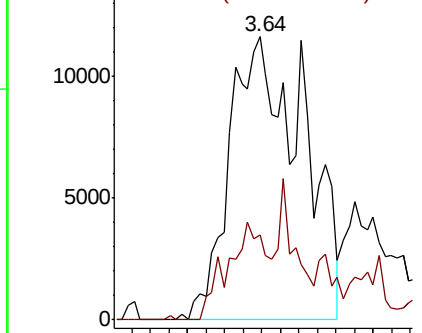
45 100

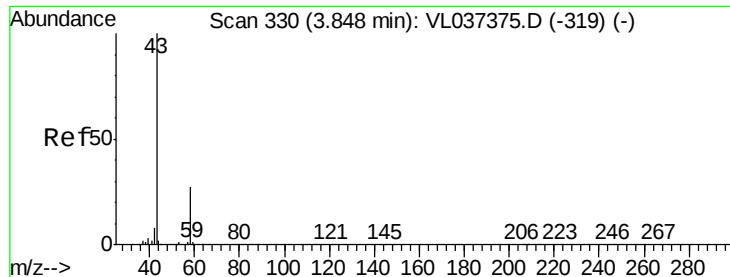
46 0.0 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 9.968 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.03 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 43 Resp: 220238

Ion Ratio Lower Upper

43 100

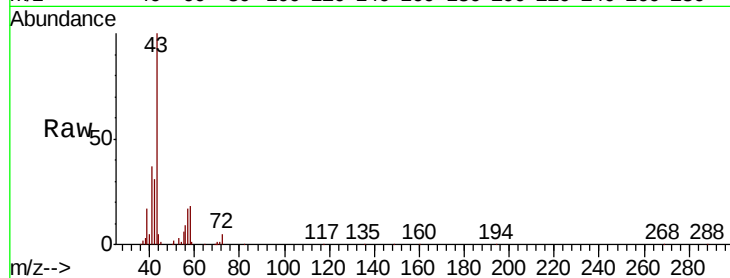
58 20.9 24.6 37.0#

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

100000

80000

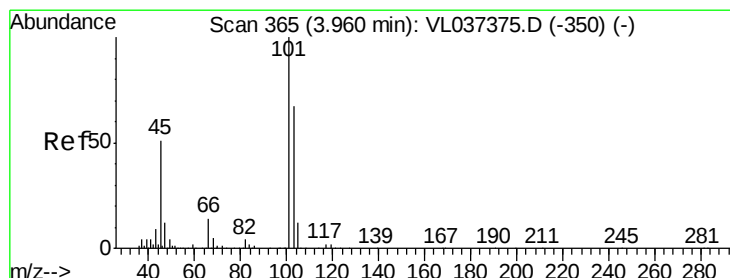
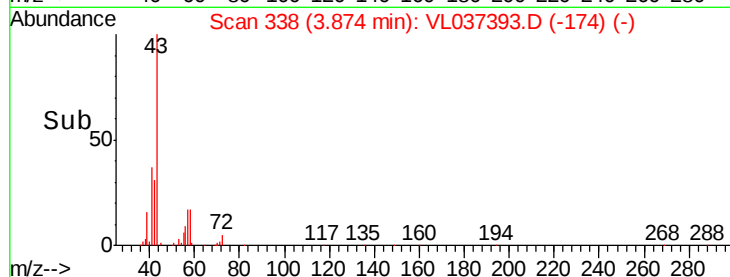
60000

40000

20000

0

Time-->



#19

Isopropyl Alcohol

Concen: 1.377 ppbv m

RT: 4.03 min Scan# 387

Delta R.T. 0.07 min

Lab File: VL037393.D

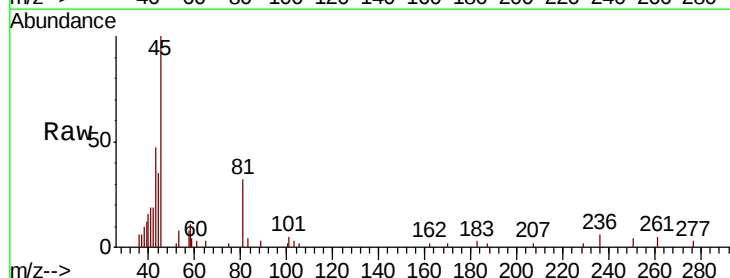
Acq: 11 Aug 2021 16:10

Tgt Ion: 45 Resp: 17515

Ion Ratio Lower Upper

45 100

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

4.03

8000

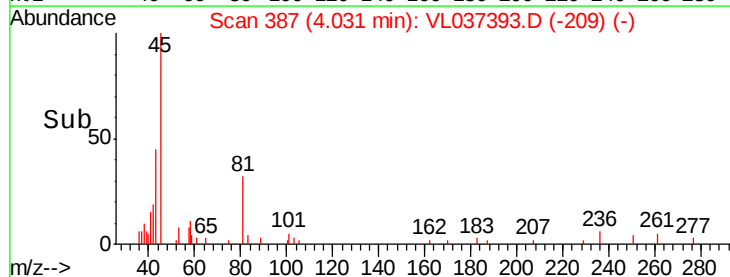
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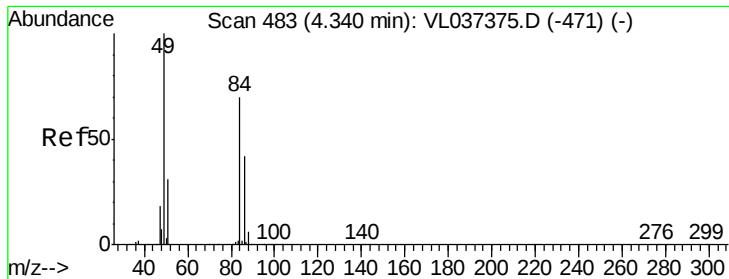
4000

2000

0

Time-->





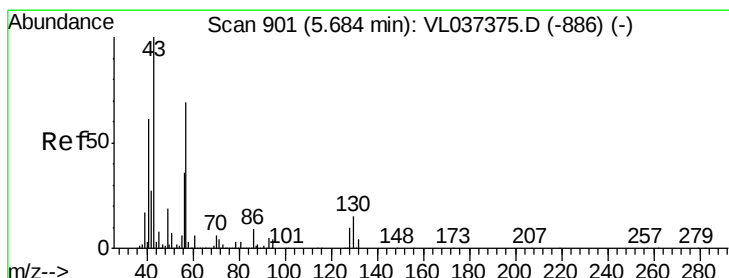
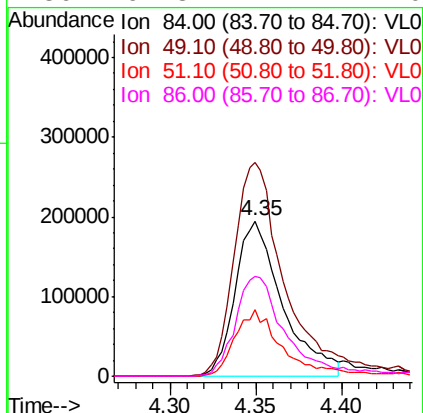
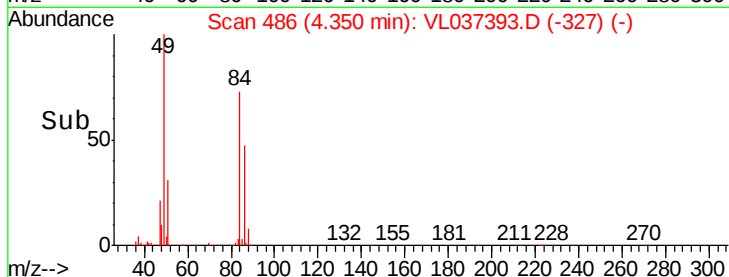
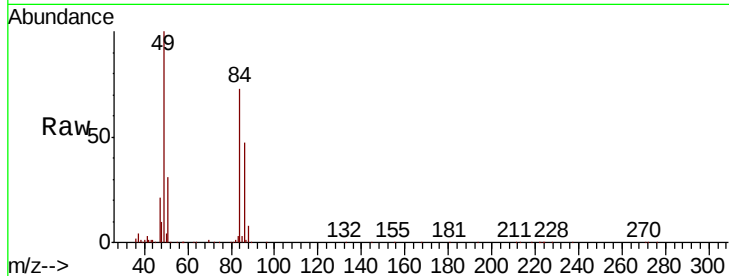
#20
Methvlene Chloride
Concen: 31.027 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	84	Resp	372270
Ion	Ratio	Lower	Upper
84	100		
49	137.6	113.8	170.6
51	43.3	34.7	52.1
86	64.3	47.4	71.0

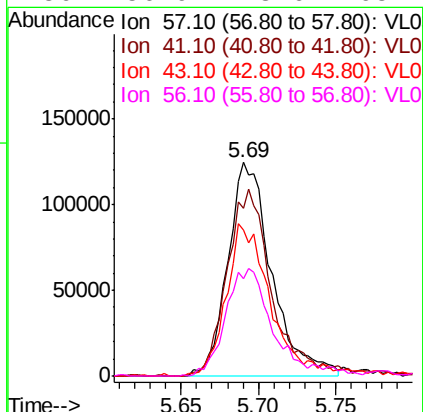
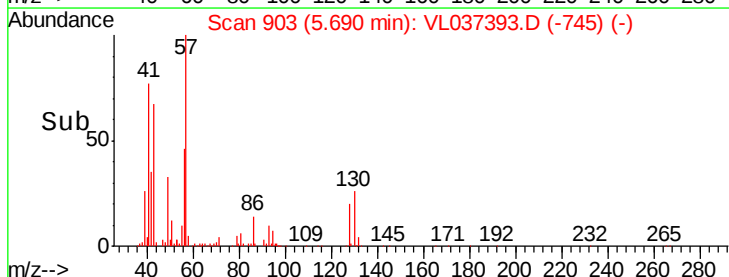
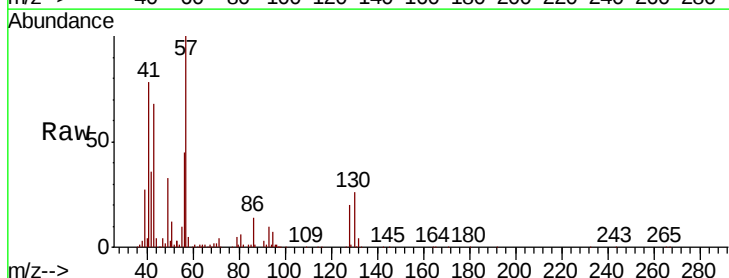
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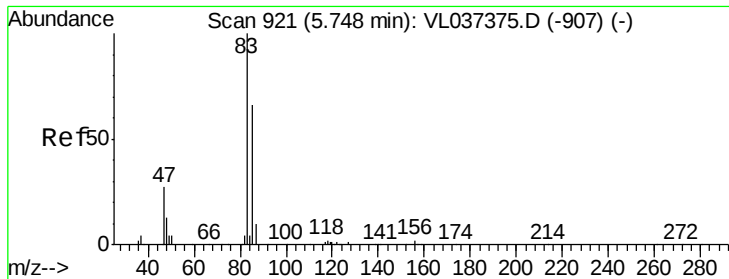
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#26
Hexane
Concen: 8.466 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Tgt Ion	57	Resp	242526
Ion	Ratio	Lower	Upper
57	100		
41	92.1	73.4	110.0
43	76.4	174.4	261.6#
56	56.9	43.6	65.4





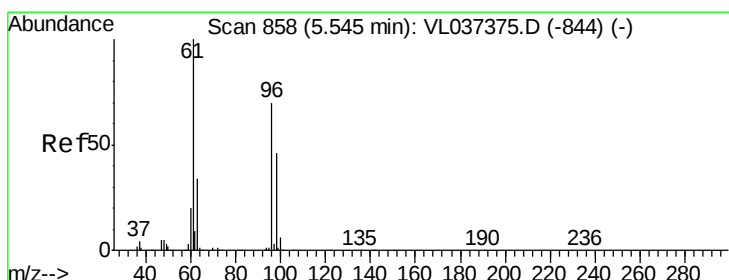
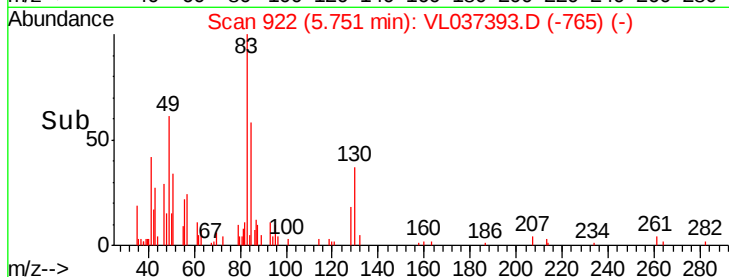
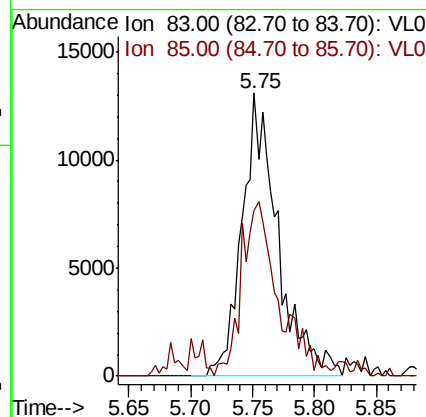
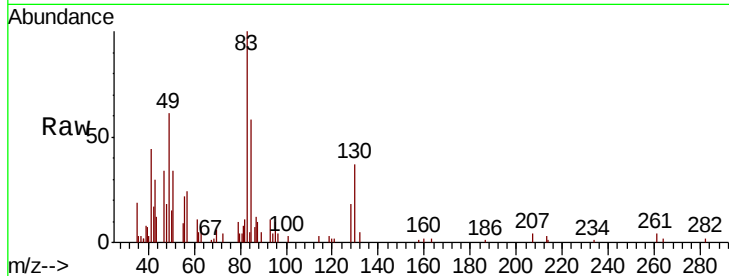
#29
Chloroform
Concen: 0.637 ppbv m
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	83	Resp	26171
Ion Ratio	100	Lower	Upper
85	58.4	52.8	79.2

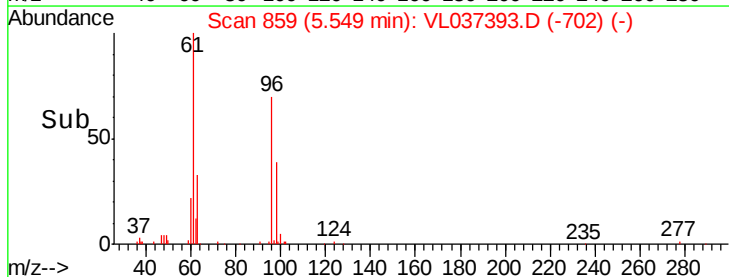
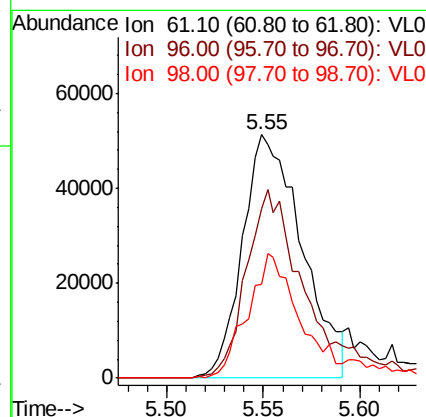
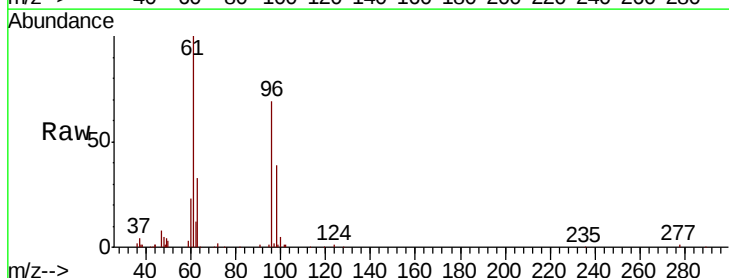
Manual Integrations
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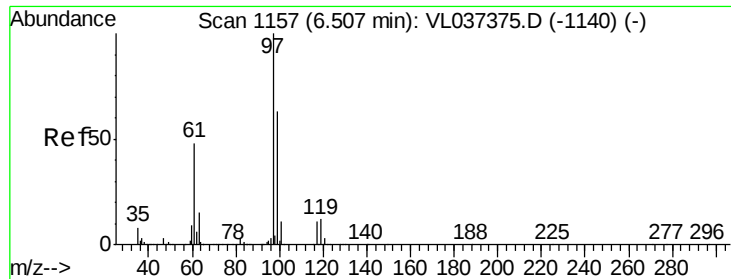
apatel
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#31
cis-1,2-Dichloroethene
Concen: 4.275 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Tgt Ion	61	Resp	109747
Ion Ratio	100	Lower	Upper
96	69.4	56.0	84.0
98	38.5	36.8	55.2





#32

1,1,1-Trichloroethane

Concen: 0.545 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

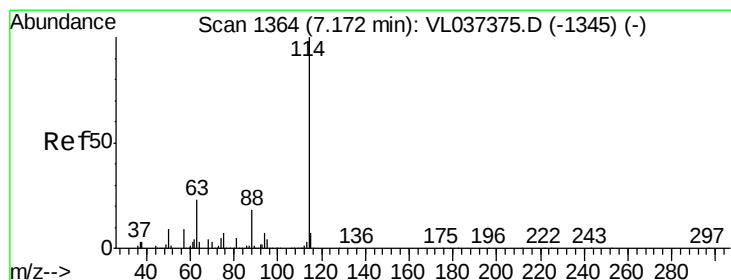
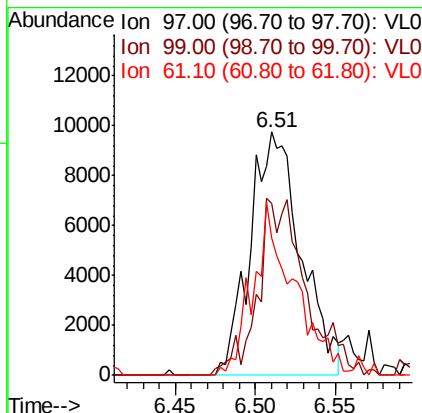
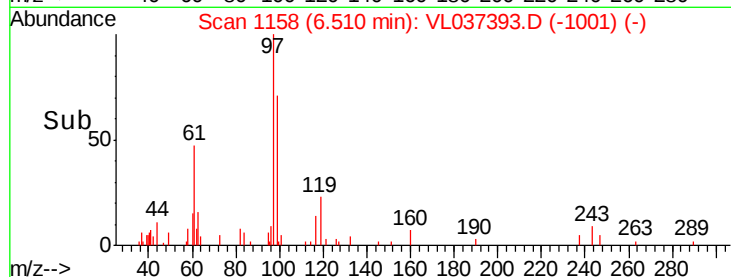
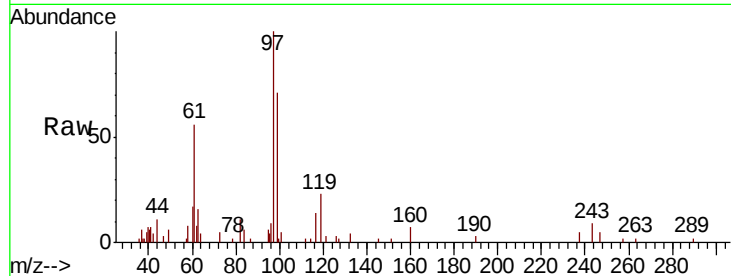
ClientSampleId :

SVE-INFLUENT

Tot Ion:	97	Resp:	21687
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.7	79.1#
61	0.0	39.9	59.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

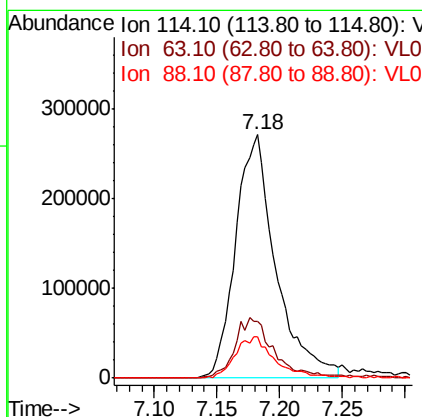
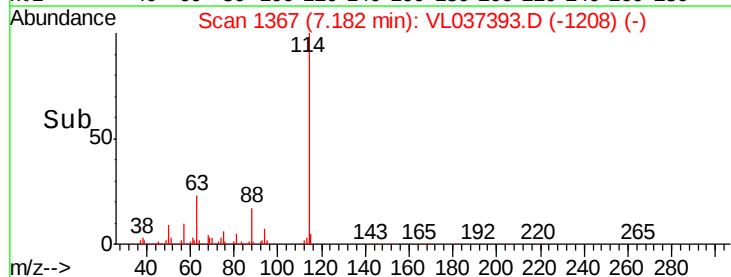
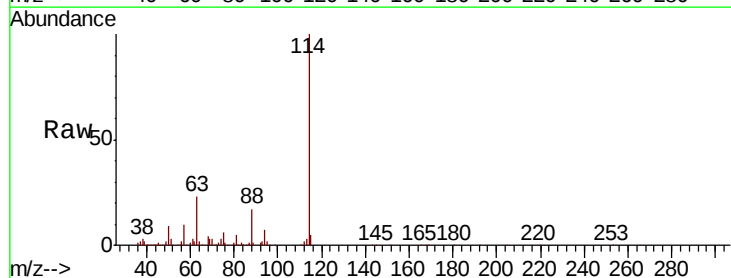
RT: 7.18 min Scan# 1367

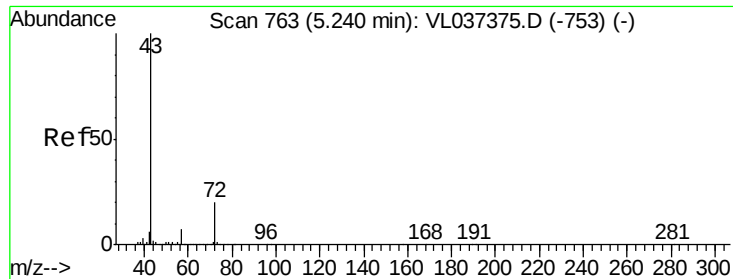
Delta R.T. 0.01 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Tgt Ion:	114	Resp:	605151
Ion Ratio	Lower	Upper	
114	100		
63	24.9	19.5	29.3
88	17.3	14.3	21.5





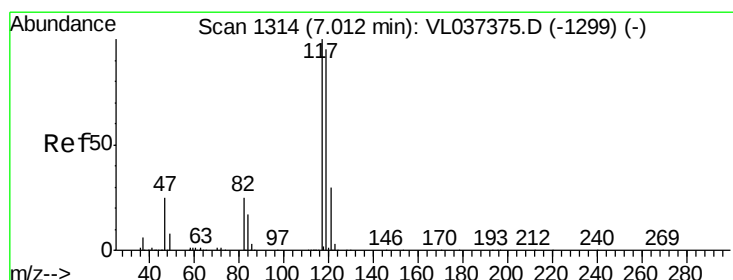
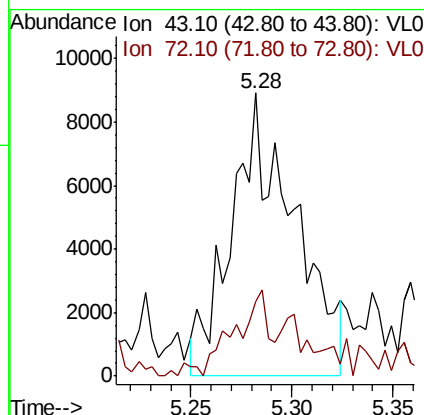
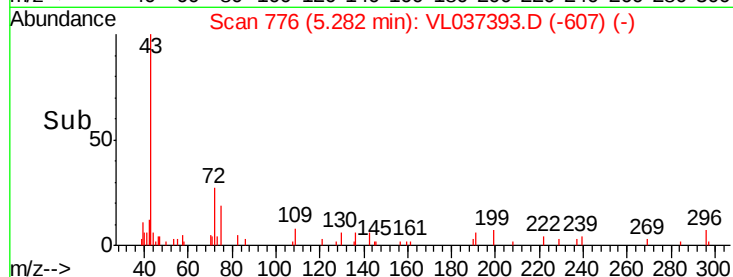
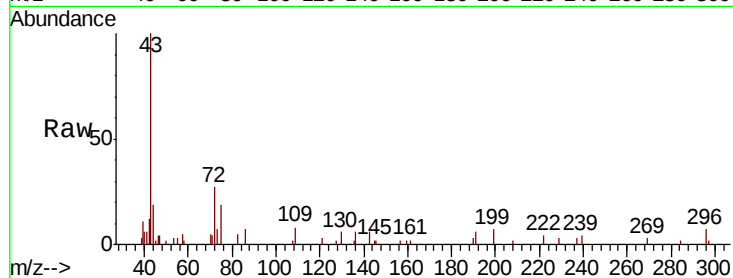
#34
2-Butanone
Concen: 0.837 ppbv m
RT: 5.28 min Scan# 776
Delta R.T. 0.04 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	43.10	Resp:	19238
Ion Ratio	43	100	Lower Upper
	72	0.0	19.6 29.4#

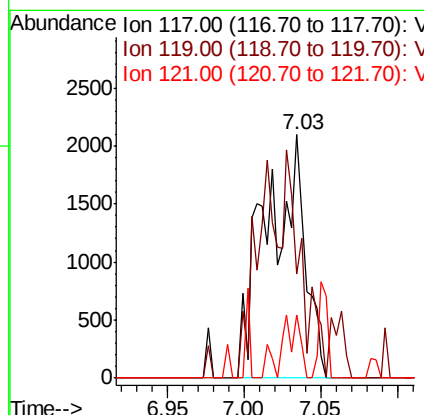
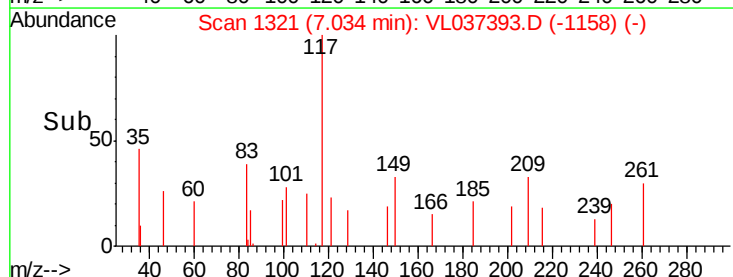
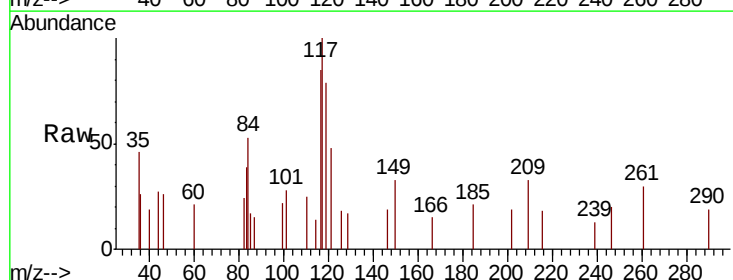
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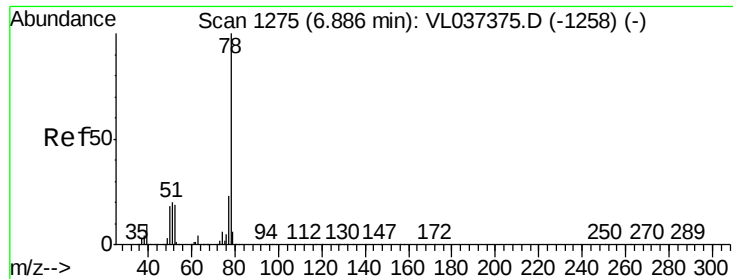
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#35
Carbon Tetrachloride
Concen: 0.110 ppbv m
RT: 7.03 min Scan# 1321
Delta R.T. 0.02 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Tgt Ion	117	Resp:	3727
Ion Ratio	117	100	Lower Upper
	119	79.3	76.1 114.1
	121	47.6	24.4 36.6#





#36

Benzene

Concen: 0.453 ppbv m

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

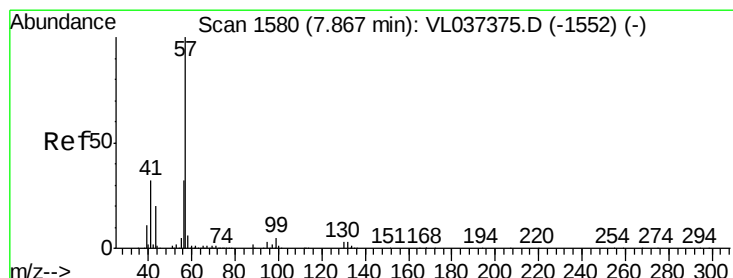
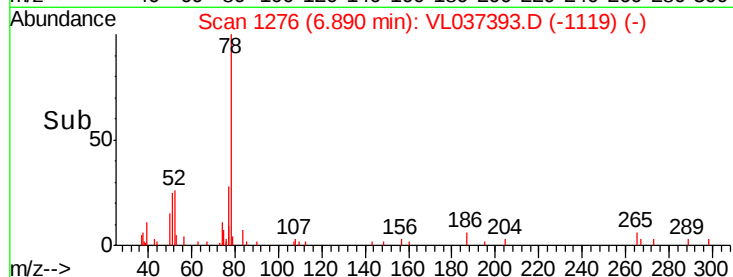
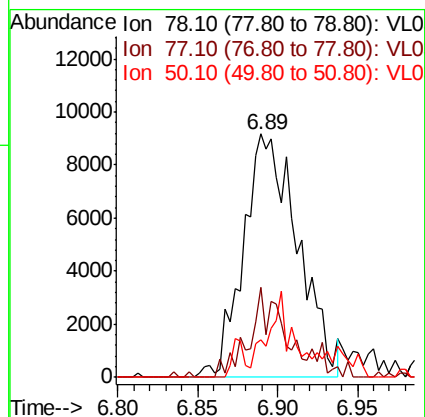
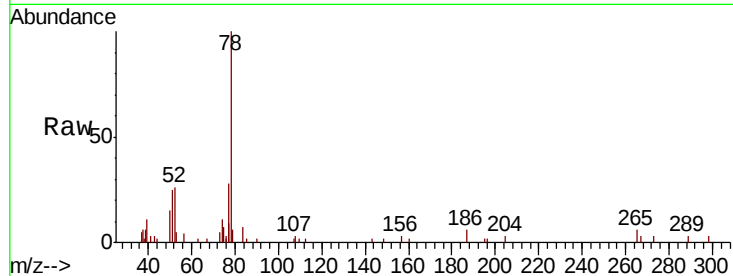
ClientSampleId :

SVE-INFLUENT

Tot Ion:	78	Resp:	21758
Ion	Ratio	Lower	Upper
78	100		
77	28.1	18.6	28.0#
50	15.4	14.3	21.5

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#44

2,2,4-Trimethylpentane

Concen: 0.360 ppbv m

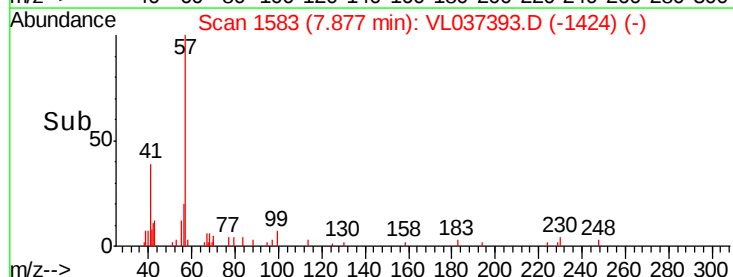
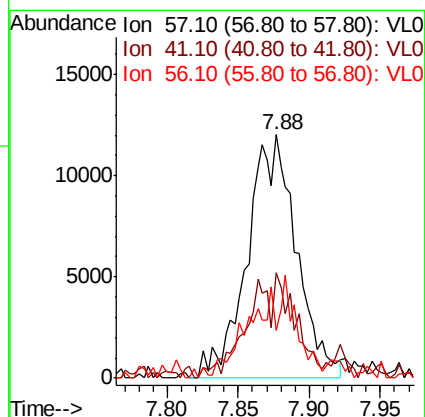
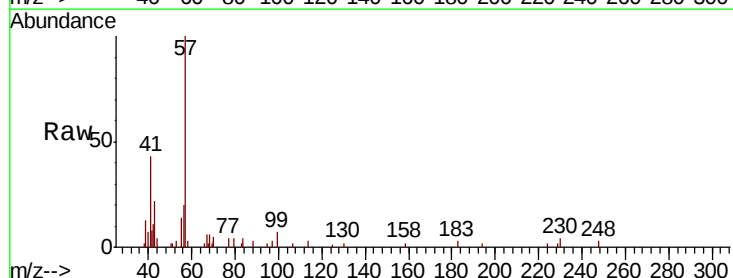
RT: 7.88 min Scan# 1583

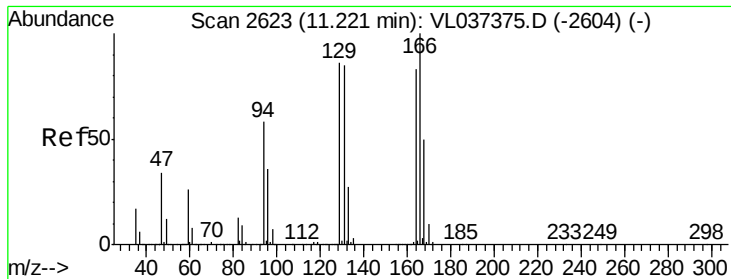
Delta R.T. 0.01 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Tgt Ion:	57	Resp:	28841
Ion	Ratio	Lower	Upper
57	100		
41	49.1	26.1	39.1#
56	36.6	25.1	37.7





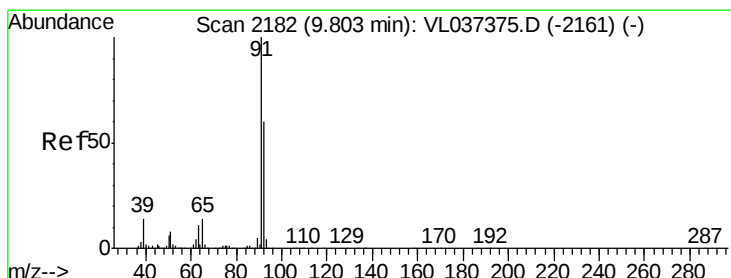
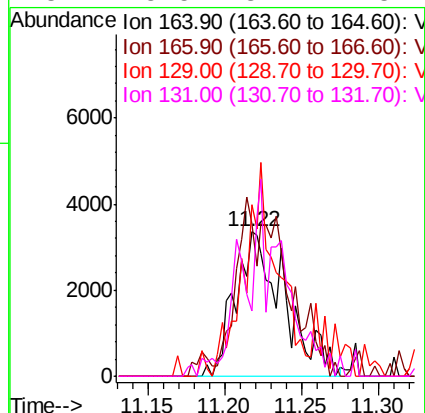
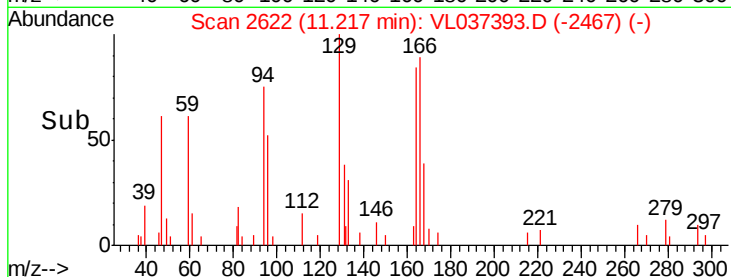
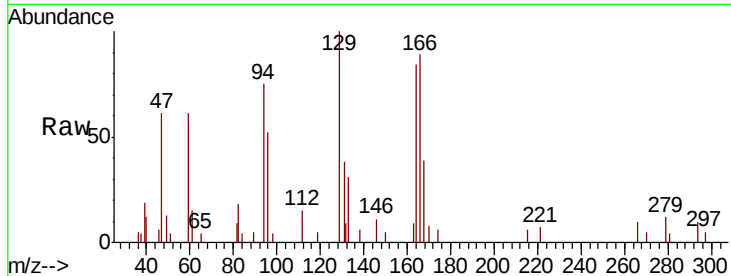
#52
Tetrachloroethene
Concen: 0.384 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
164	100		
166	105.7	96.5	144.7
129	118.9	83.2	124.8
131	45.5	82.2	123.2#

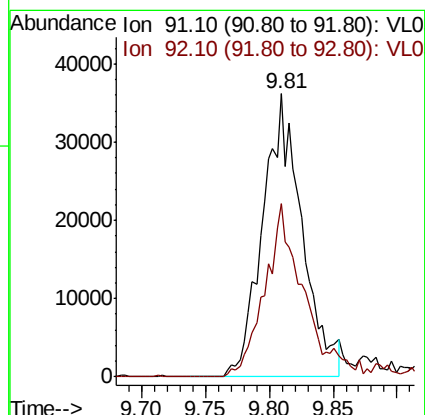
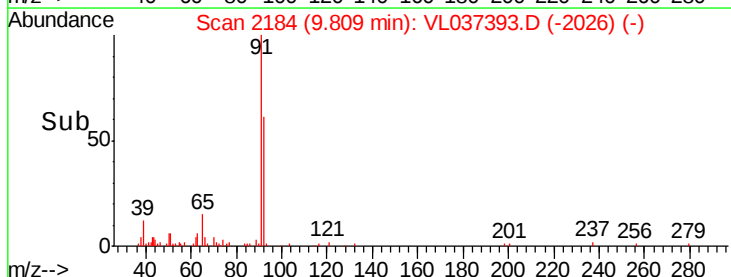
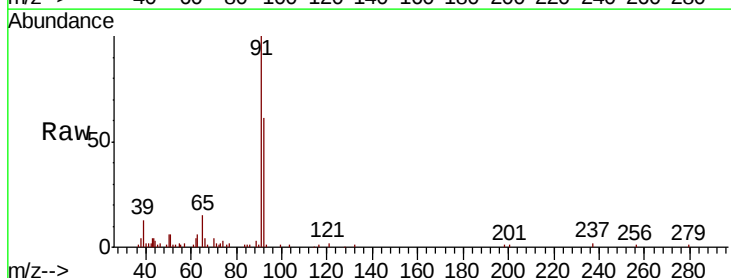
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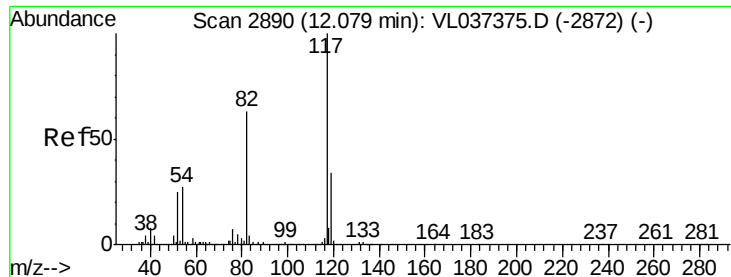
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#53
Toluene
Concen: 1.386 ppbv m
RT: 9.81 min Scan# 2184
Delta R.T. 0.01 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.1	72.1#





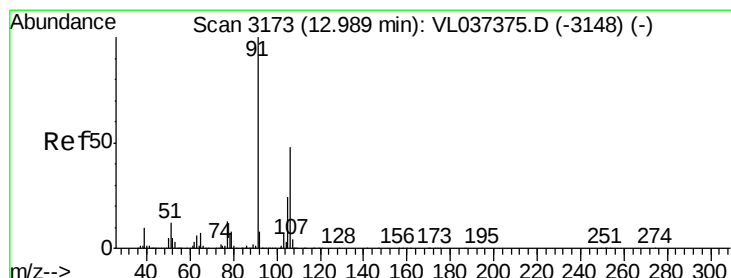
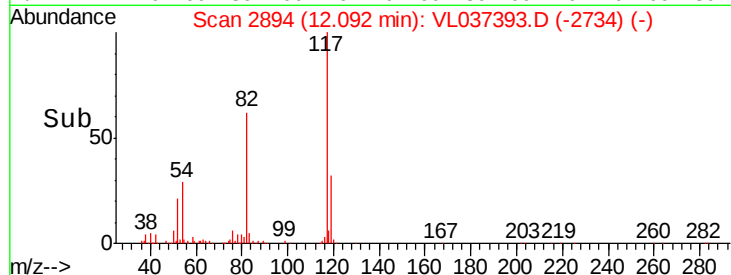
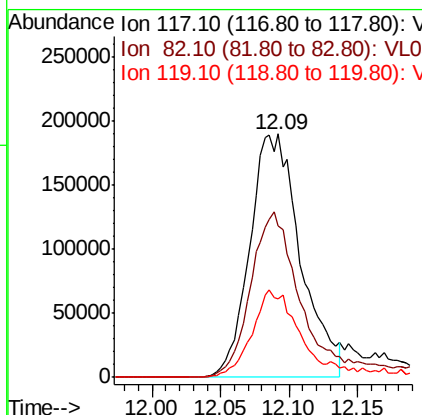
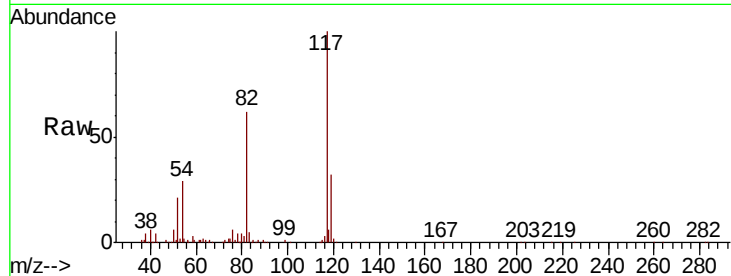
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Resp	Lower	Upper
117	100	489310		
82	72.4		52.6	78.8
119	0.0		46.7	70.1#

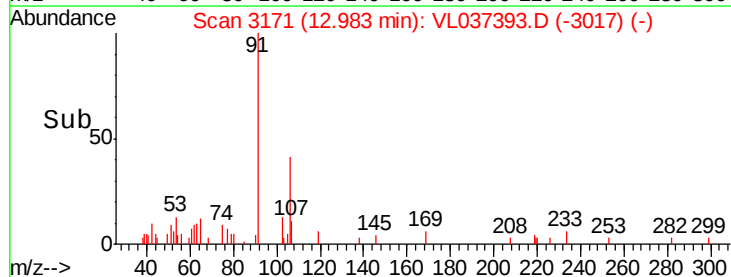
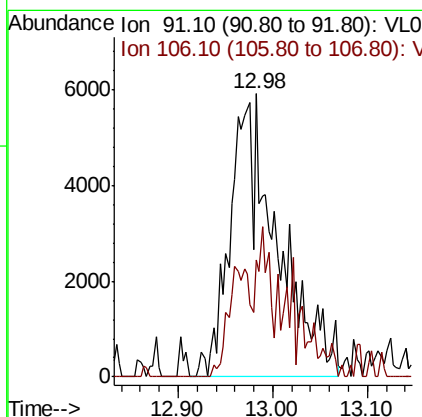
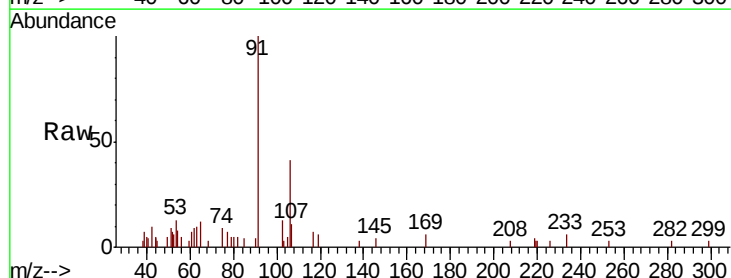
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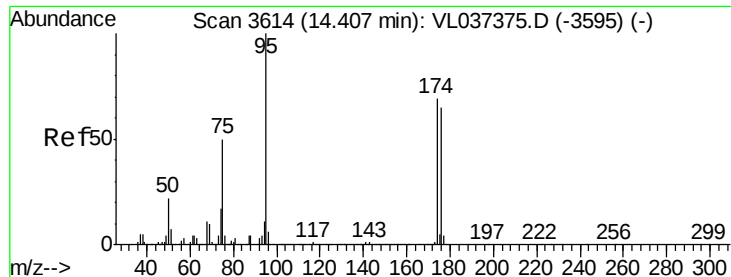
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#59
m/p-Xylene
Concen: 0.363 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.01 min
Lab File: VL037393.D
Acq: 11 Aug 2021 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	20396		
106	0.0		36.6	55.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.023 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.02 min

Lab File: VL037393.D

Acq: 11 Aug 2021 16:10

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 95 Resp: 329236

Ion Ratio Lower Upper

95 100

174 77.2 58.3 87.5

175 5.4 4.3 6.5

Manual Integrations

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