

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036877.D
 Acq On : 28 Apr 2021 13:23
 Operator : SY/AP
 Sample : M2172-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Manual Integrations
 APPROVED

Quant Time: Apr 29 11:42:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 28 11:42:04 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1451933	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3501293	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3207248	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2405384	9.34	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	59950	0.262	ppbv	94
4) Chloromethane	3.15	50	23471m	0.270	ppbv	
9) Propene	3.03	41	38545	0.478	ppbv	90
11) Trichlorofluoromethane	3.96	101	59783	0.293	ppbv	91
13) Ethanol	3.62	45	280752m	27.317	ppbv	
15) Acetone	3.86	43	786537	5.748	ppbv	98
19) Isopropyl Alcohol	3.99	45	179219m	2.643	ppbv	
20) Methylene Chloride	4.36	84	1405606	21.479	ppbv	96
26) Hexane	5.70	57	1183269	7.566	ppbv #	45
29) Chloroform	5.77	83	75763m	0.311	ppbv	
30) Cyclohexane	7.17	84	28781m	0.232	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	108353m	0.772	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	31112	0.125	ppbv	91
34) 2-Butanone	5.27	43	89081	0.581	ppbv	94
35) Carbon Tetrachloride	7.02	117	16995m	0.072	ppbv	
36) Benzene	6.90	78	48146m	0.163	ppbv	
38) Trichloroethene	7.85	130	20606m	0.196	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	63811m	0.126	ppbv	
52) Tetrachloroethene	11.24	164	92391m	0.920	ppbv	
53) Toluene	9.83	91	192638	0.624	ppbv	98
59) m/p-Xylene	12.99	91	54858m	0.151	ppbv	

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

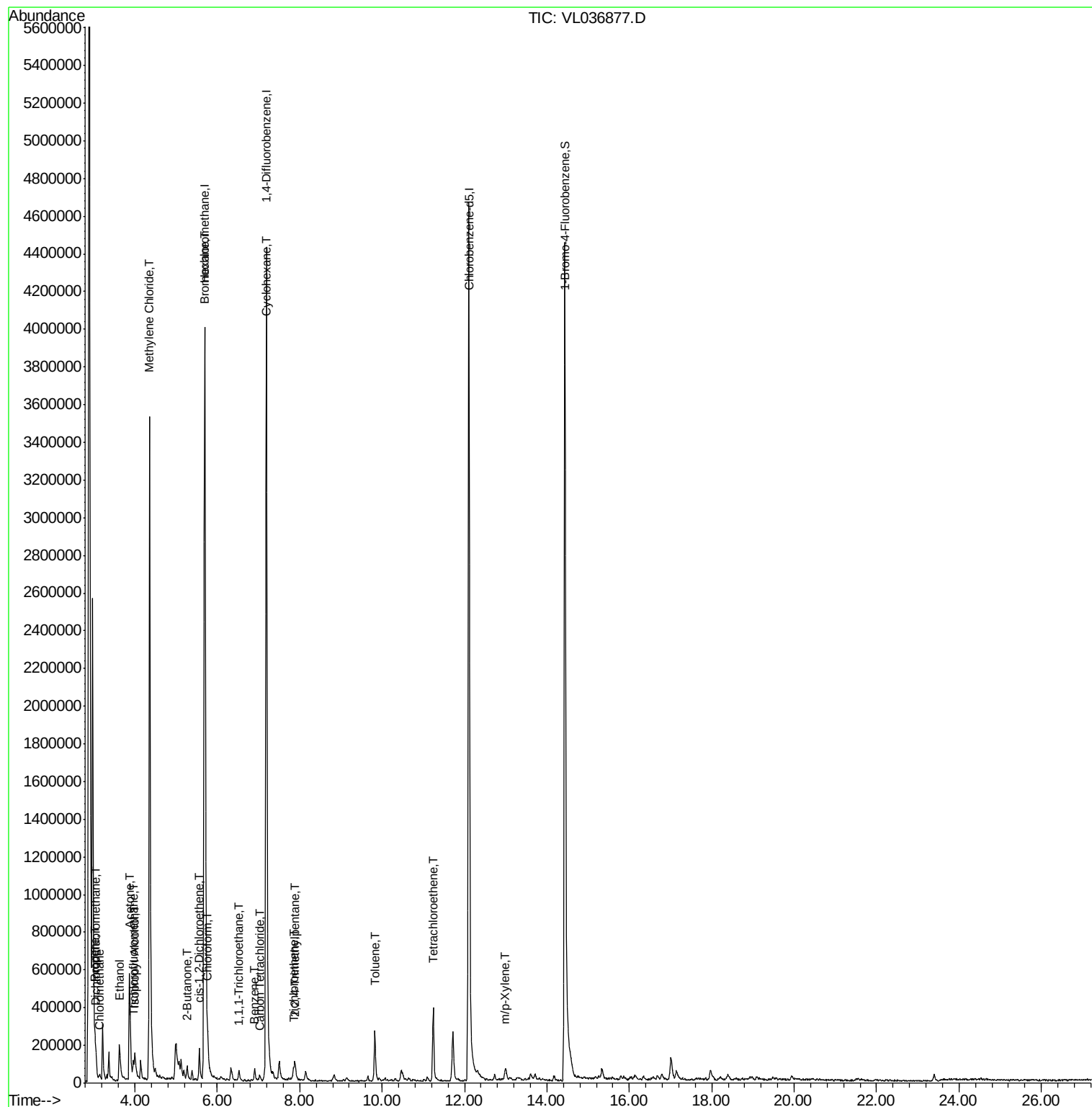
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Data File : VL036877.D
Acq On : 28 Apr 2021 13:23
Operator : SY/AP
Sample : M2172-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

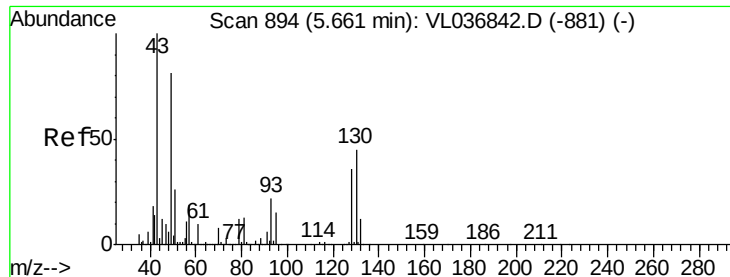
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Apr 29 11:42:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr
QLast Update : Tue Apr 27 16:56:35 2021
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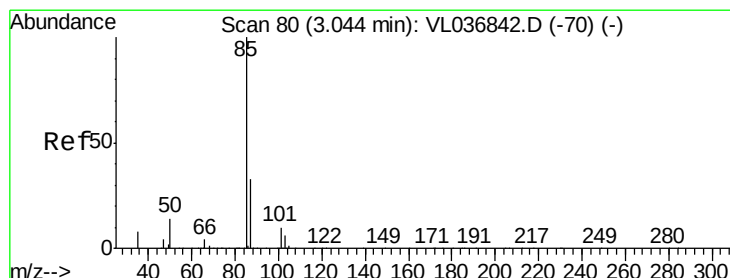
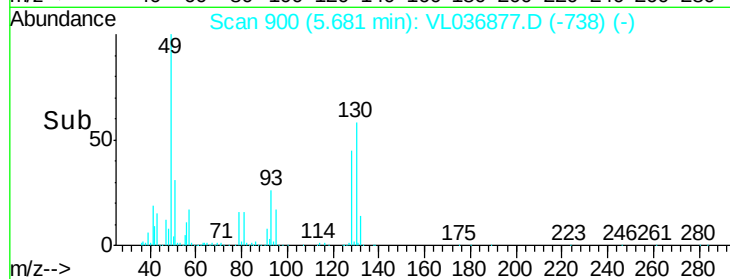
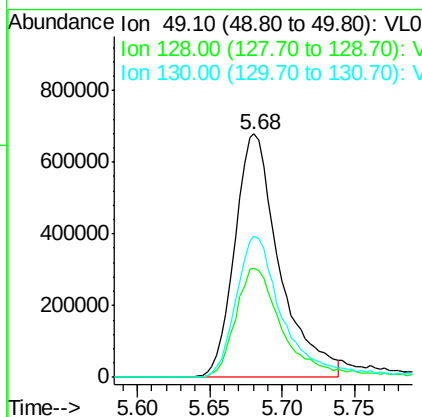
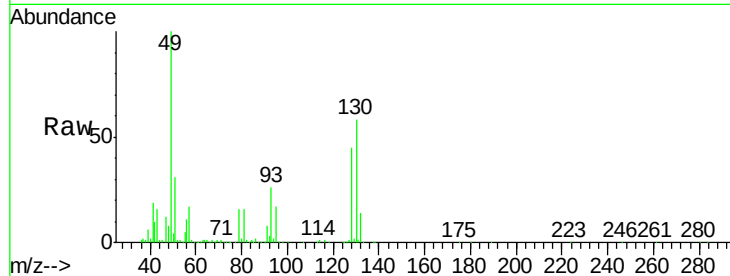
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion: 49 Resp: 1451933
Ion Ratio Lower Upper
49 100
128 49.2 24.4 73.2
130 62.8 30.3 90.8

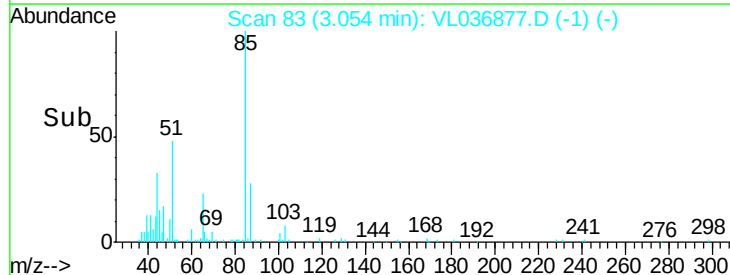
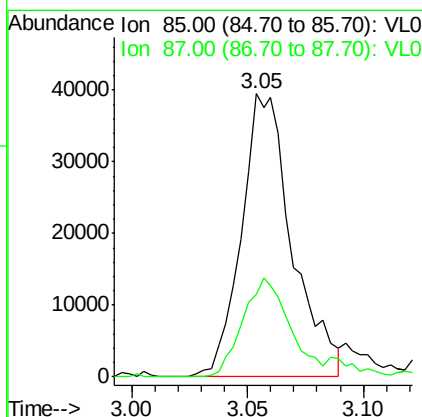
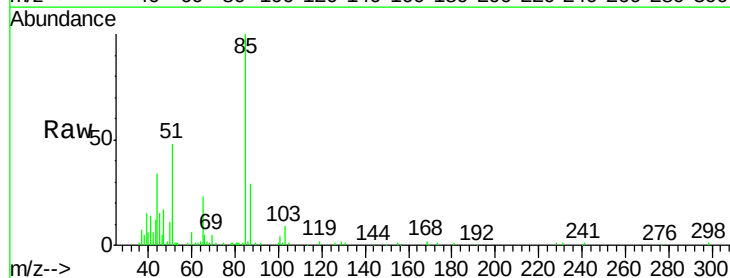
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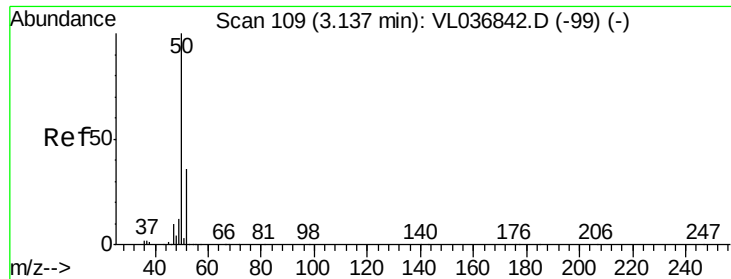
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#2
Dichlorodifluoromethane
Concen: 0.262 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion: 85 Resp: 59950
Ion Ratio Lower Upper
85 100
87 29.1 26.2 39.2





#4

Chloromethane

Concen: 0.270 ppbv m

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL036877.D

Acq: 28 Apr 2021 13:23

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion: 50 Resp: 23471

Ion Ratio Lower Upper

50 100

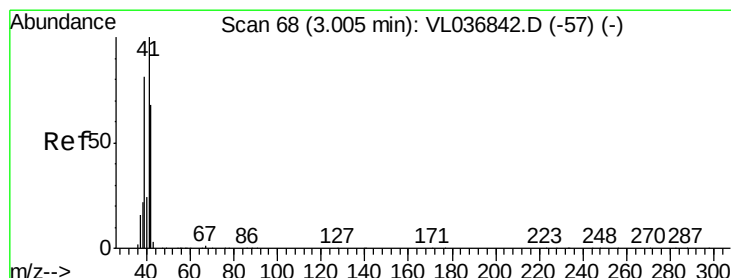
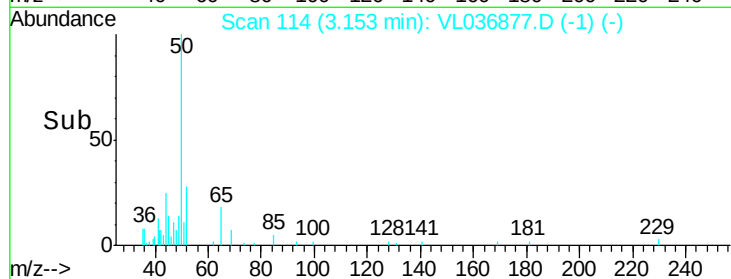
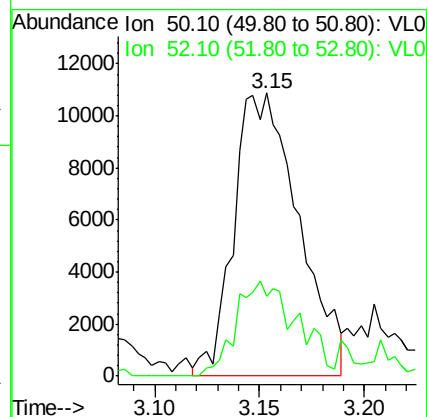
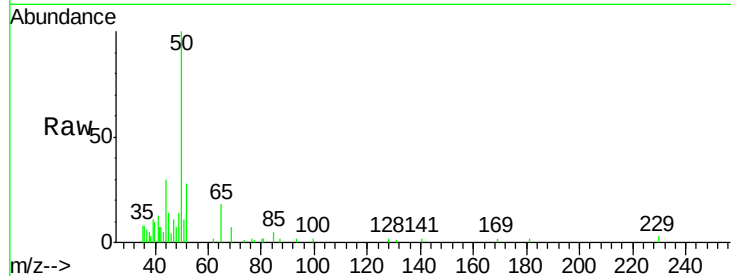
52 28.0 28.5 42.7#

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#9

Propene

Concen: 0.478 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036877.D

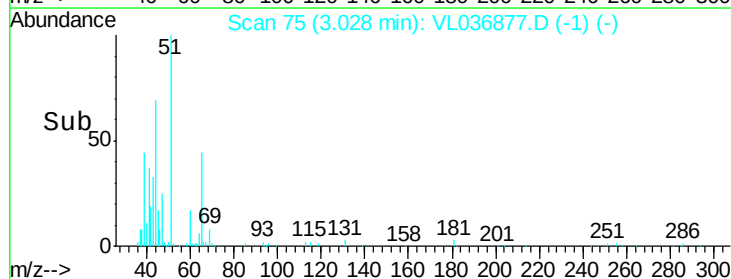
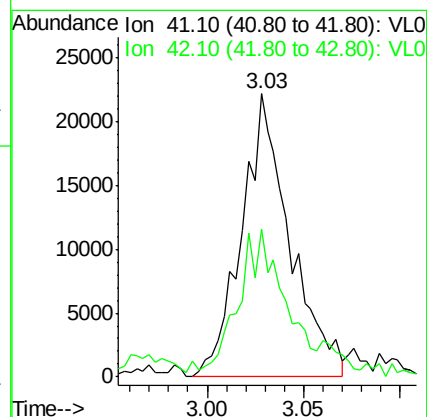
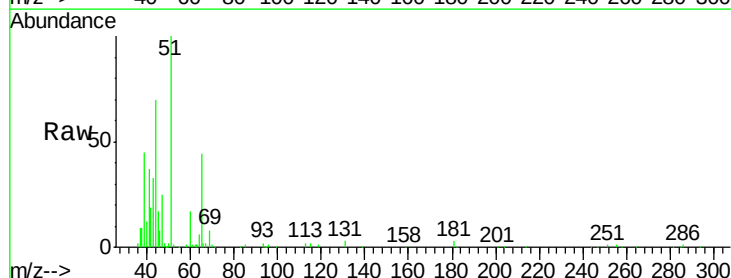
Acq: 28 Apr 2021 13:23

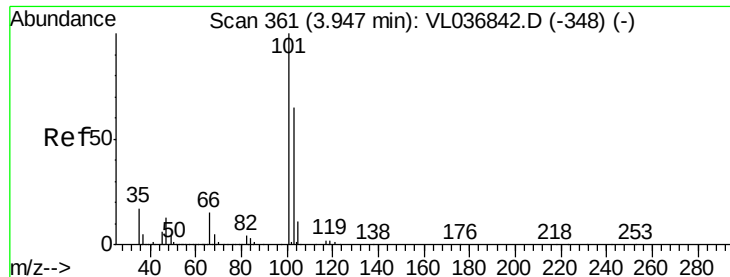
Tgt Ion: 41 Resp: 38545

Ion Ratio Lower Upper

41 100

42 61.8 56.0 84.0





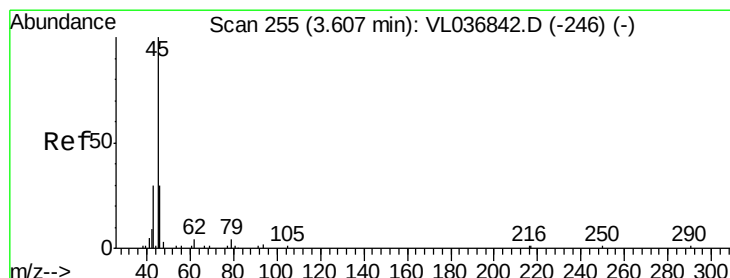
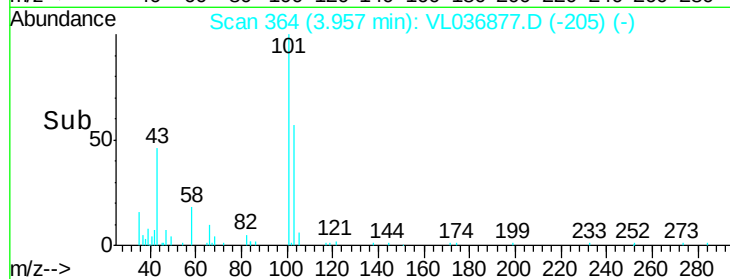
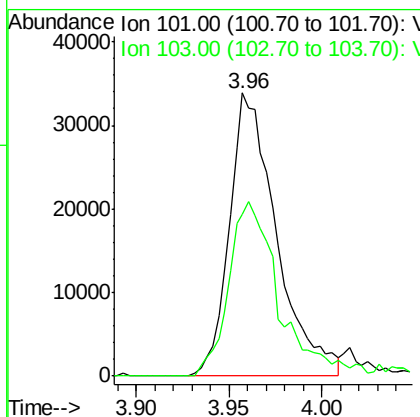
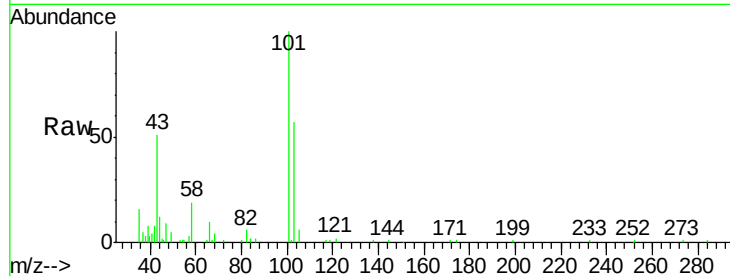
#11
 Trichlorofluoromethane
 Concen: 0.293 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59783		
103	57.3		51.6	77.4	

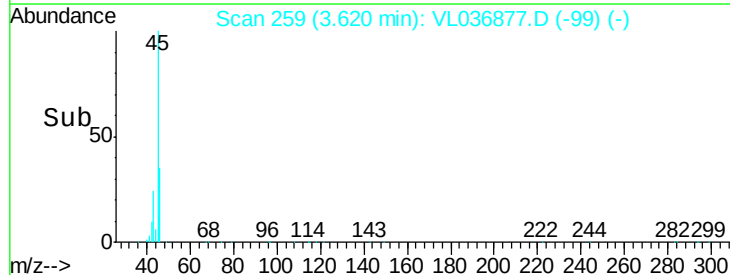
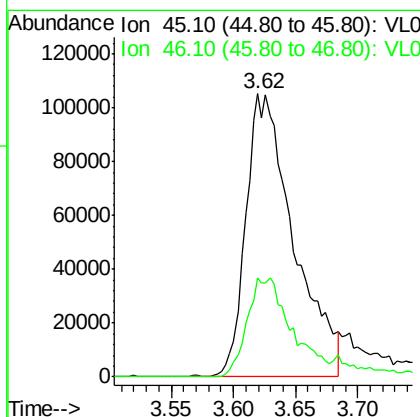
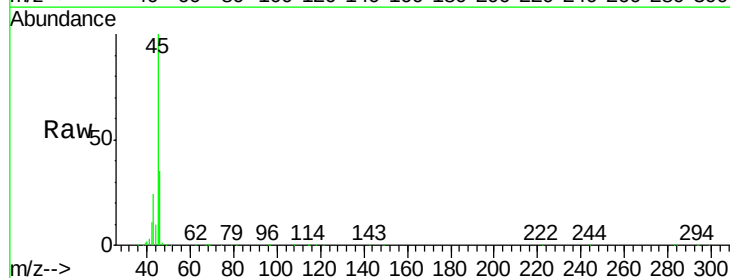
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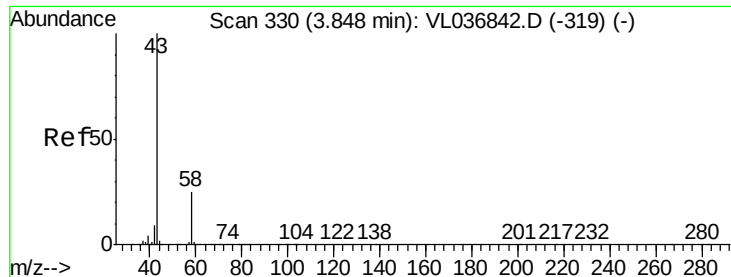
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#13
 Ethanol
 Concen: 27.317 ppbv m
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		280752		
46	37.4		16.8	67.4	





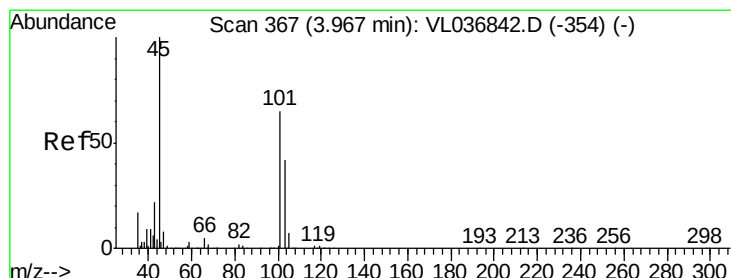
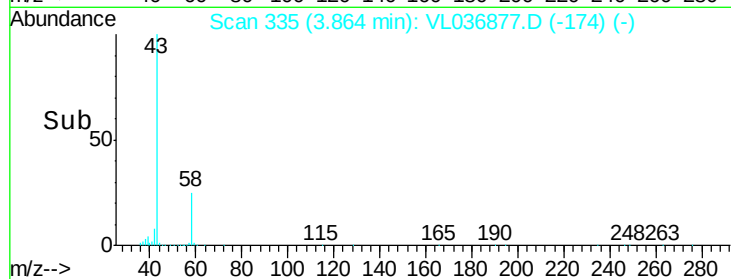
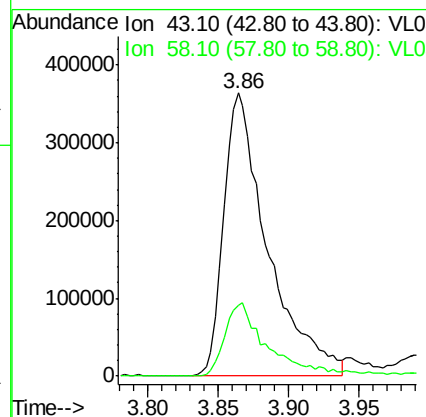
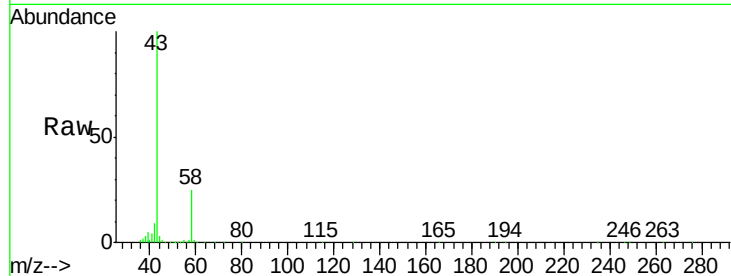
#15
Acetone
Concen: 5.748 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.7	32.5

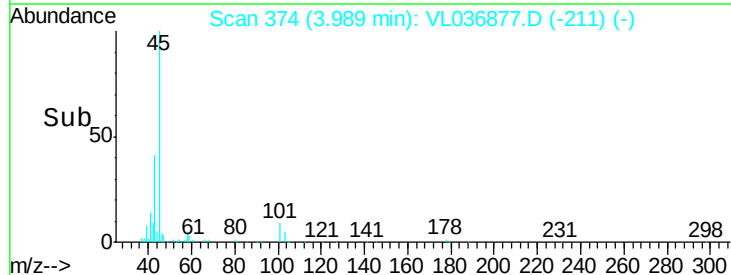
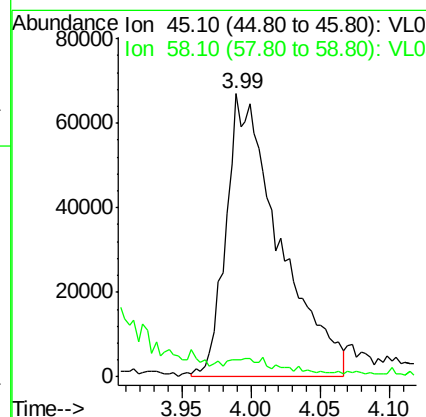
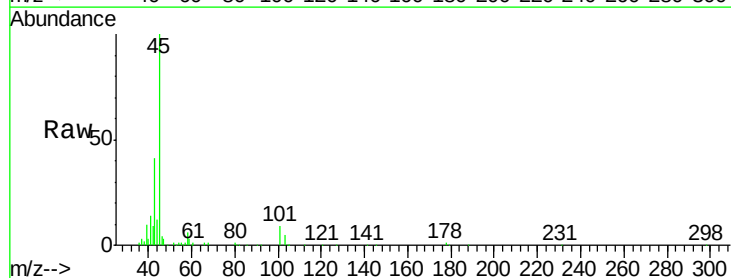
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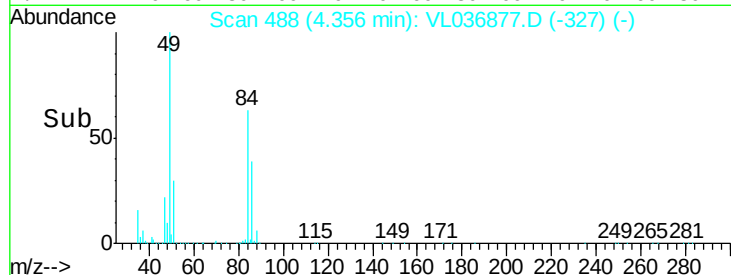
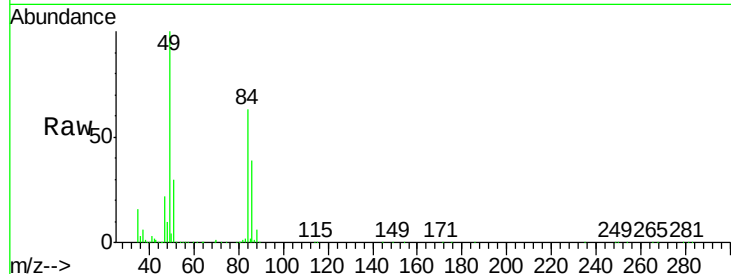
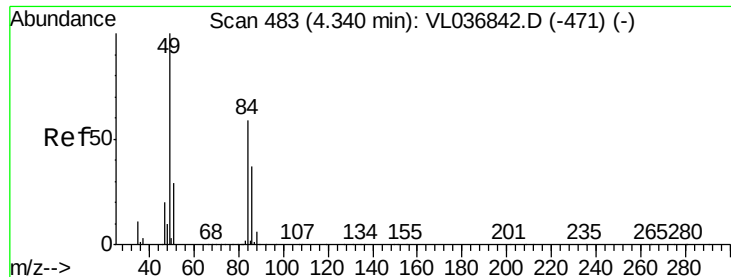
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#19
Isopropyl Alcohol
Concen: 2.643 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#





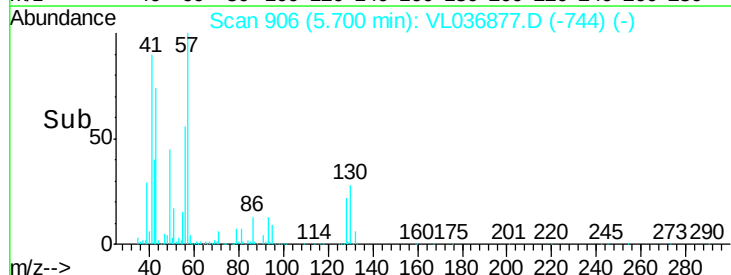
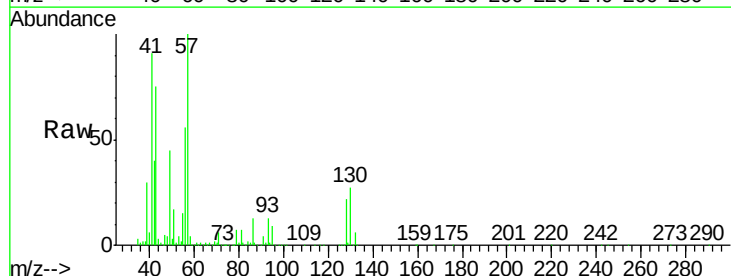
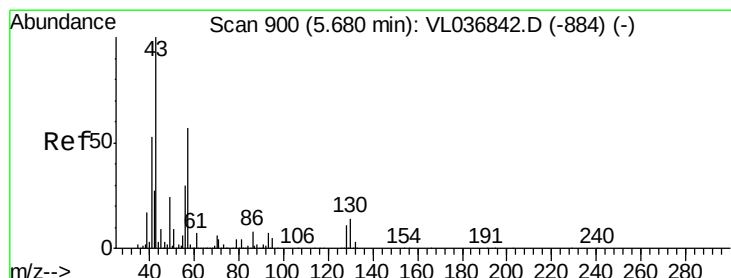
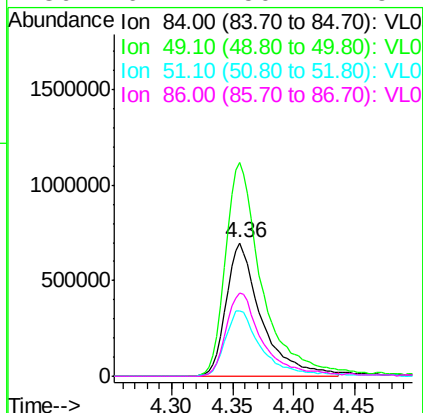
#20
Methylene Chloride
Concen: 21.479 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tot Ion	84	Resp	1405606
Ion	Ratio	Lower	Upper
84	100		
49	159.9	135.4	203.0
51	48.5	39.3	58.9
86	62.7	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

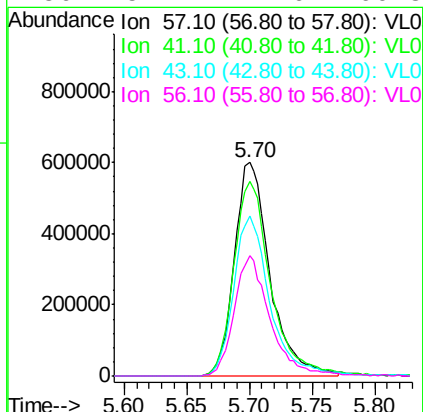
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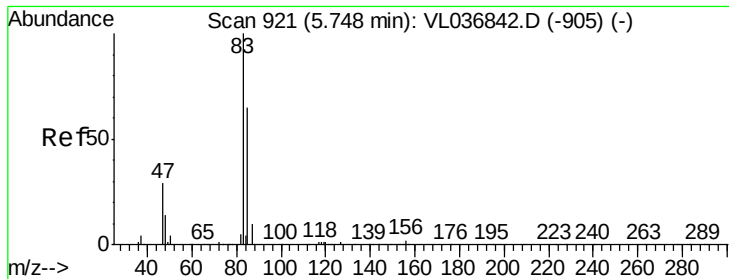
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#26
Hexane
Concen: 7.566 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion	57	Resp	1183269
Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.7	116.5
43	77.0	180.5	270.7
56	57.2	44.6	66.8





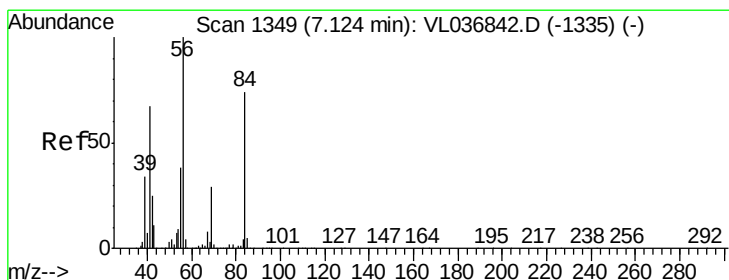
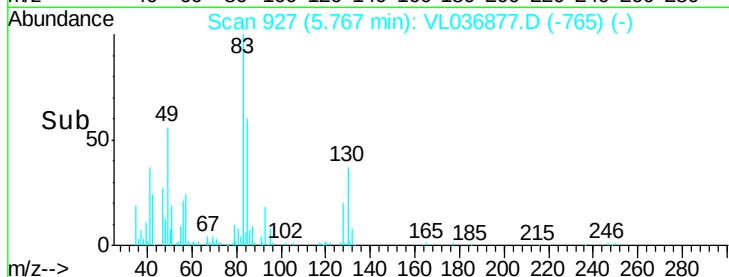
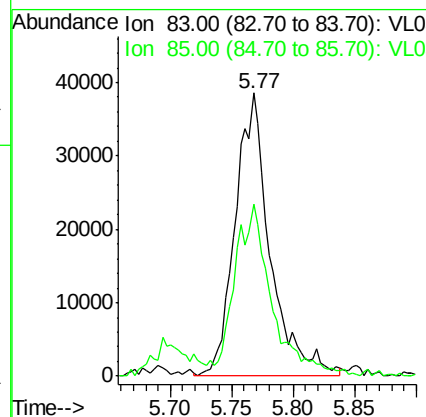
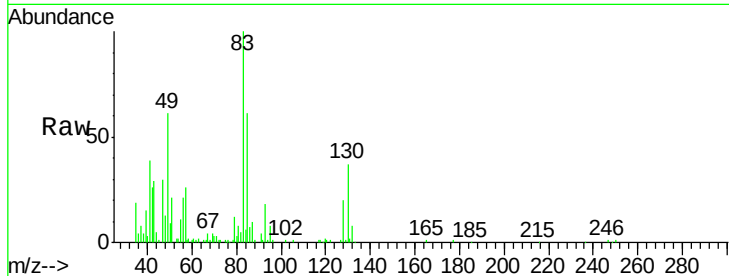
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Chloroform
Concen: 0.311 ppbv m
RT: 5.77 min Scan# 927
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	83	Resp	75763
Ion Ratio	100	Lower	Upper
85	61.0	52.2	78.4

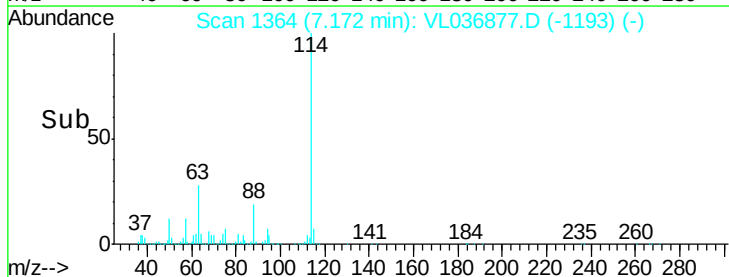
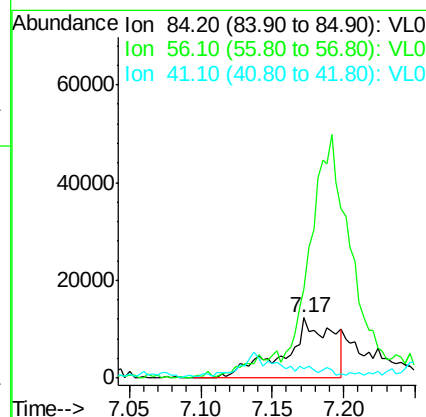
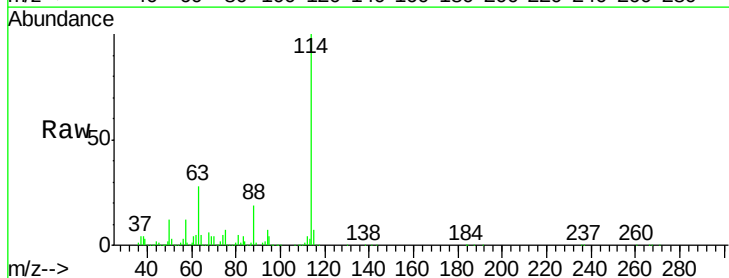
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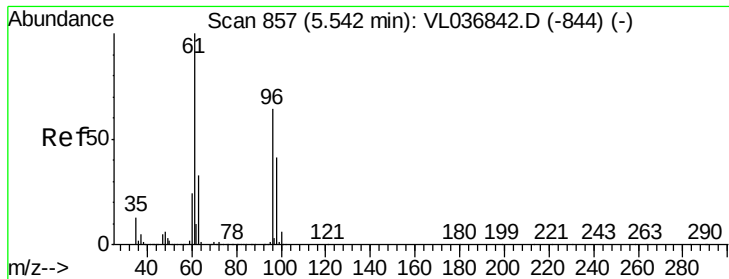
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#30
Cyclohexane
Concen: 0.232 ppbv m
RT: 7.17 min Scan# 1364
Delta R.T. 0.05 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion	84	Resp	28781
Ion Ratio	100	Lower	Upper
56	0.0	115.8	173.6#
41	0.0	74.6	111.8#





#31

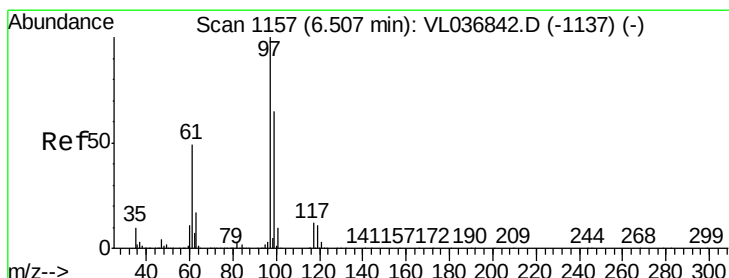
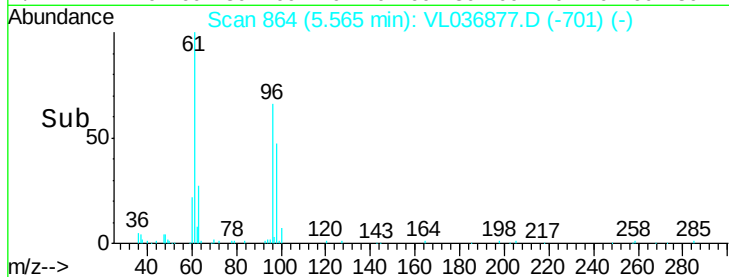
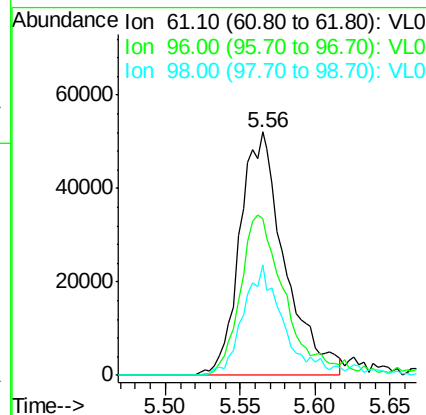
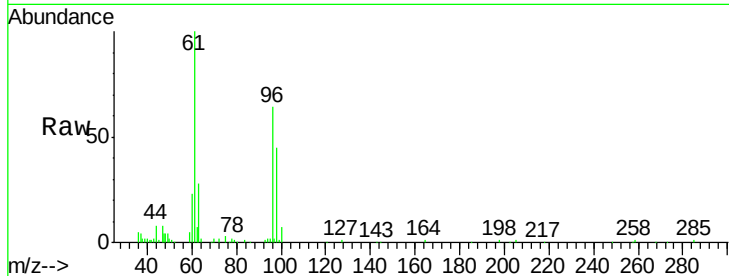
cis-1,2-Dichloroethene
 Concen: 0.772 ppbv m
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	64.3	51.0	76.6	
98	45.2	32.7	49.1	

Manual Integrations
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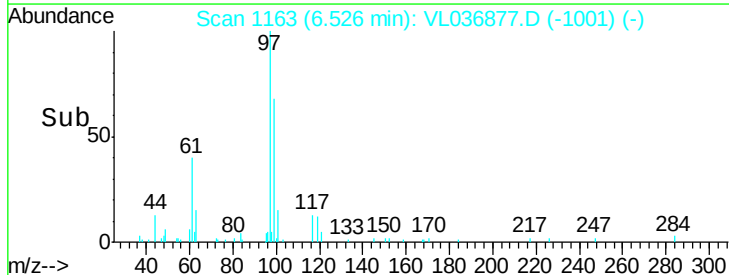
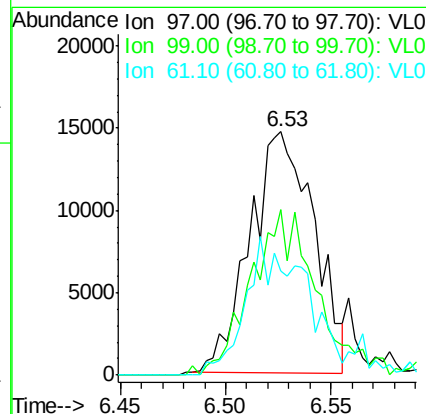
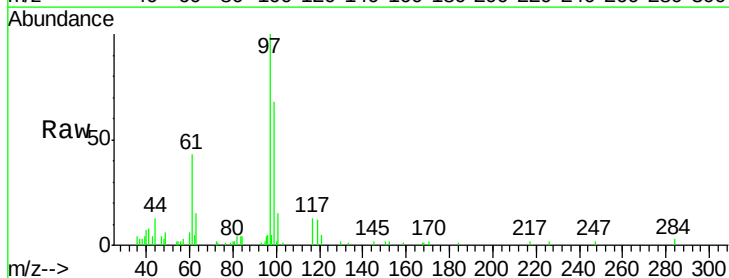
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 4/29/2021 5:53:48 PM

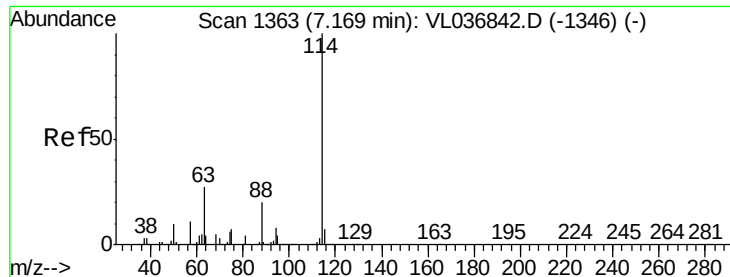


#32

1,1,1-Trichloroethane
 Concen: 0.125 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	71.2	51.8	77.6	
61	58.5	40.8	61.2	





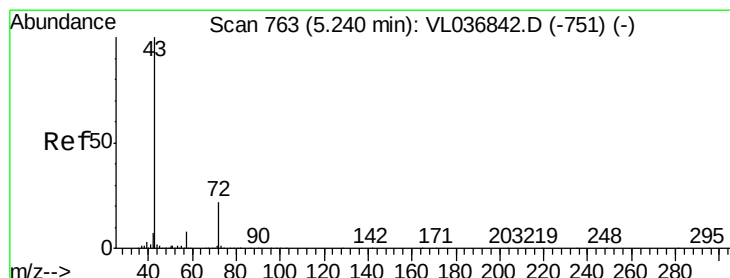
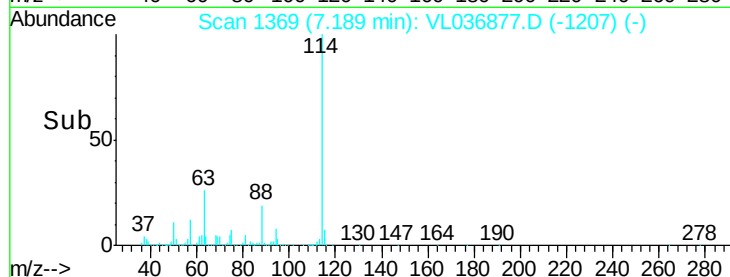
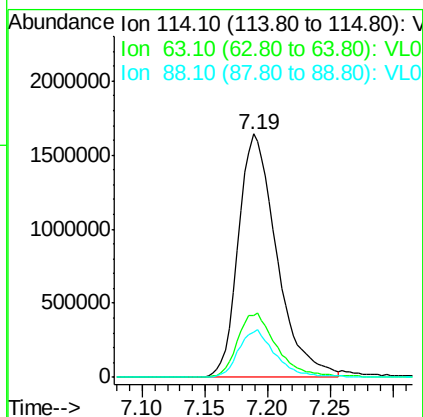
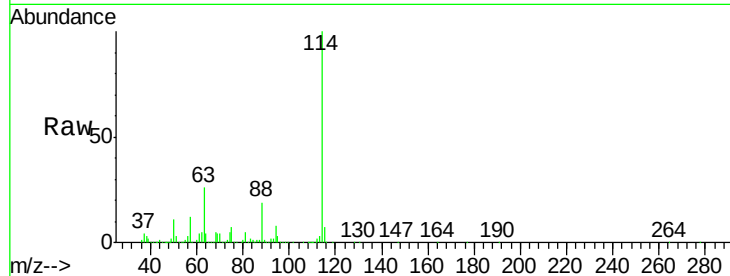
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.9	32.9
88	19.2	15.1	22.7

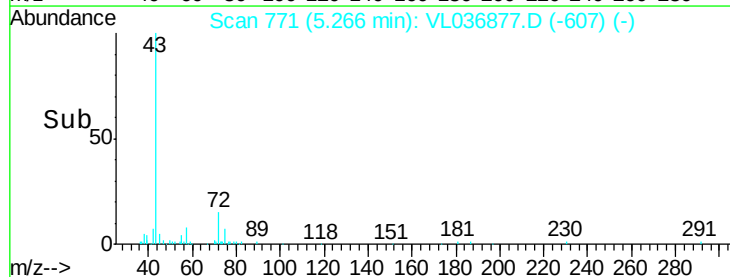
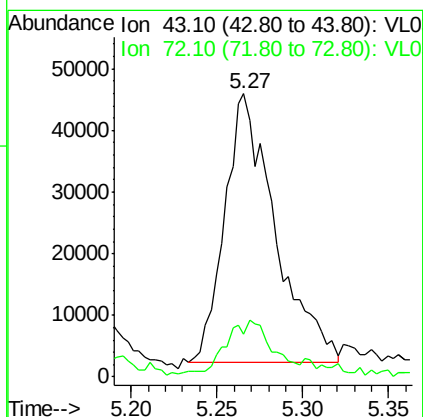
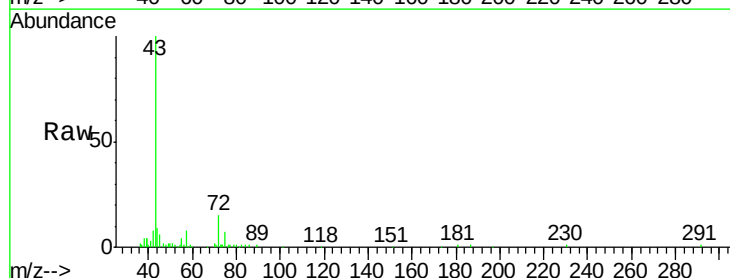
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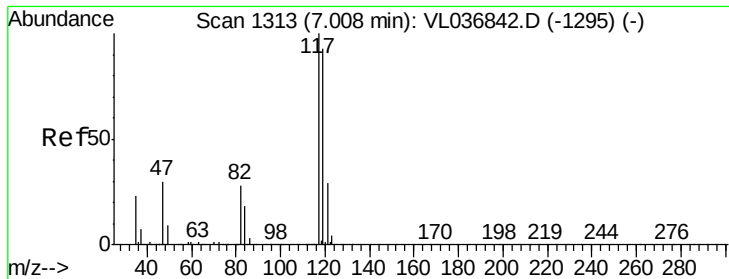
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#34
 2-Butanone
 Concen: 0.581 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.6	26.4





#35

Carbon Tetrachloride

Concen: 0.072 ppbv m

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL036877.D

Acq: 28 Apr 2021 13:23

Instrument :

MSVOA_L

ClientSampleId :

SVE-INFLUENT

Tot Ion:117 Resp: 16995

Ion Ratio Lower Upper

117 100

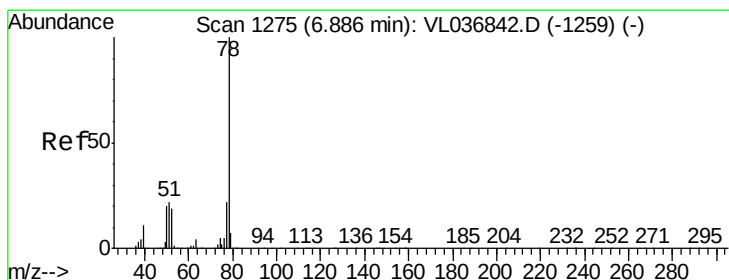
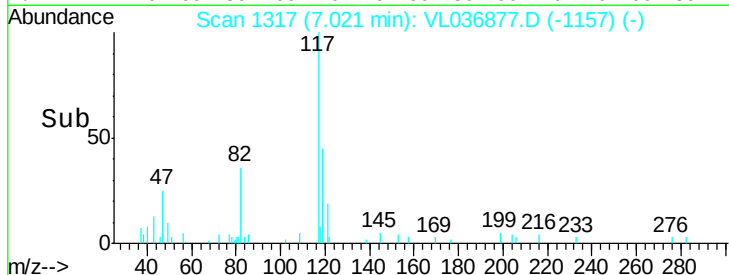
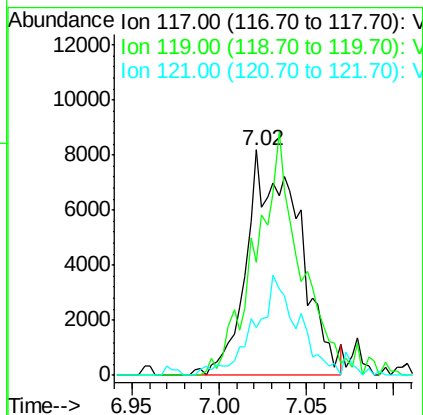
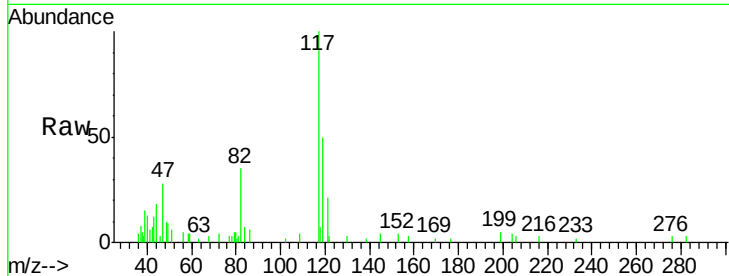
119 50.0 74.6 111.8#

121 21.1 23.3 34.9#

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#36

Benzene

Concen: 0.163 ppbv m

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036877.D

Acq: 28 Apr 2021 13:23

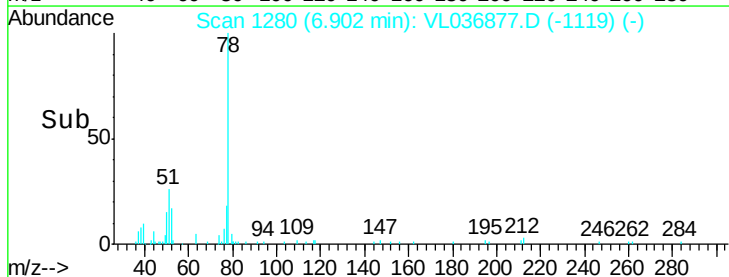
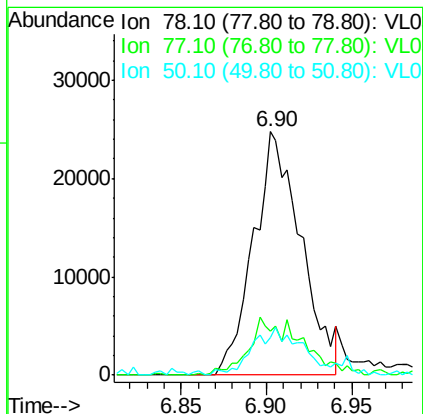
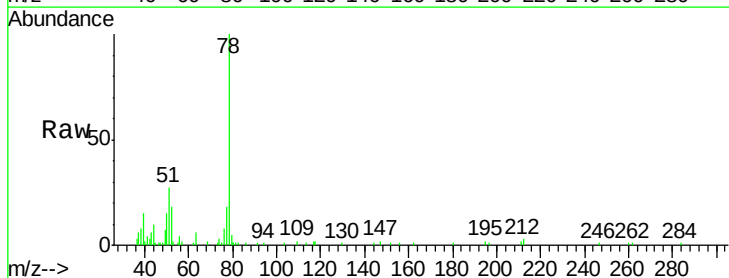
Tgt Ion: 78 Resp: 48146

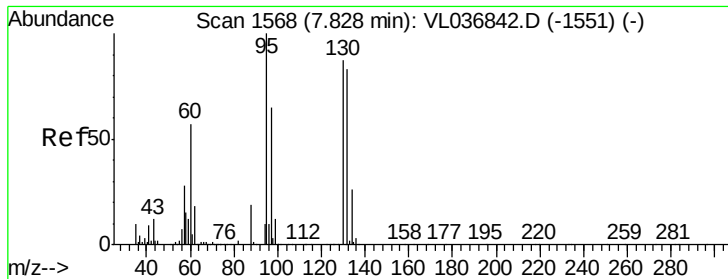
Ion Ratio Lower Upper

78 100

77 18.0 17.6 26.4

50 15.3 16.3 24.5#





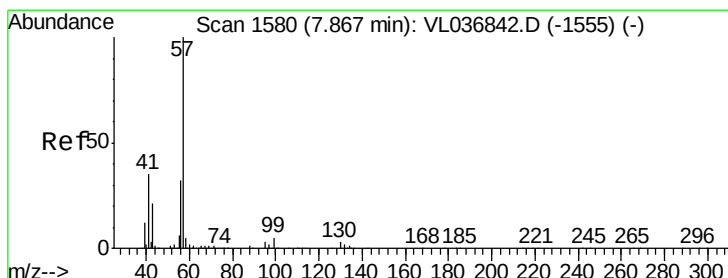
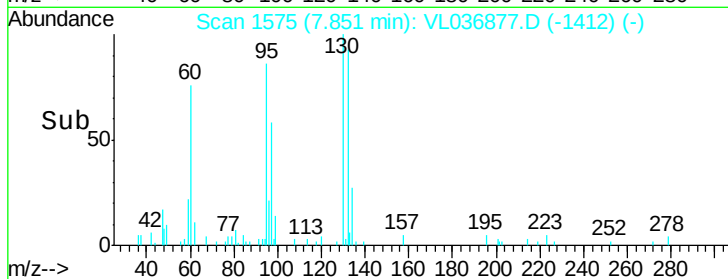
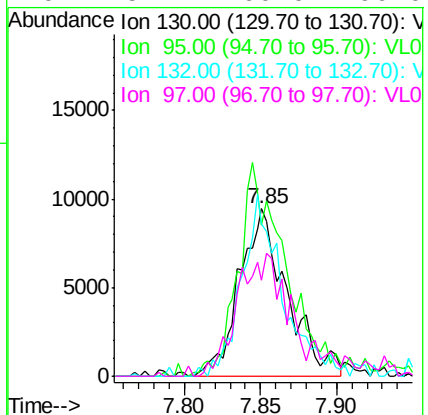
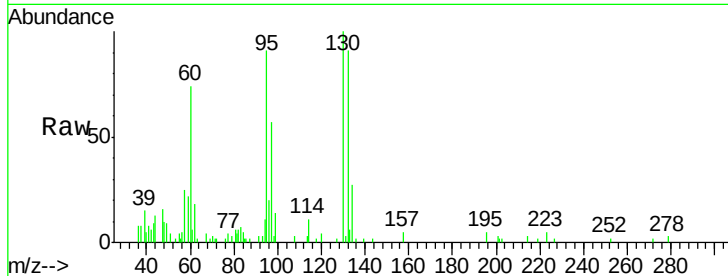
#38
 Trichloroethene
 Concen: 0.196 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
130	100		
95	90.6	92.3	138.5#
132	90.9	76.8	115.2
97	57.1	60.0	90.0#

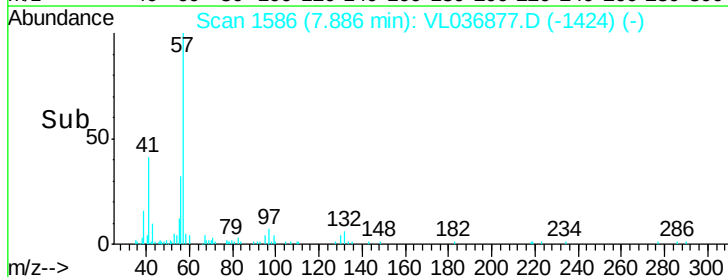
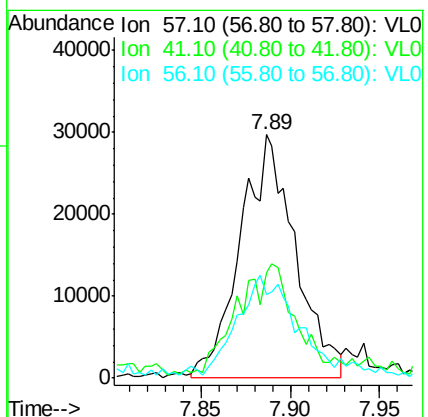
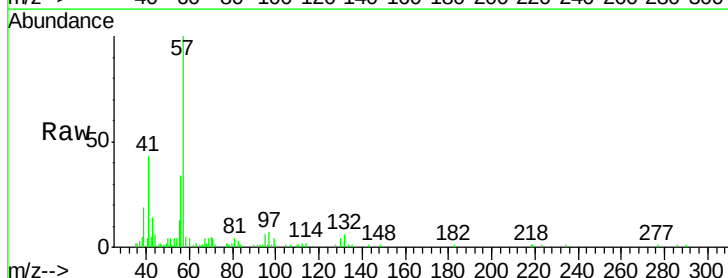
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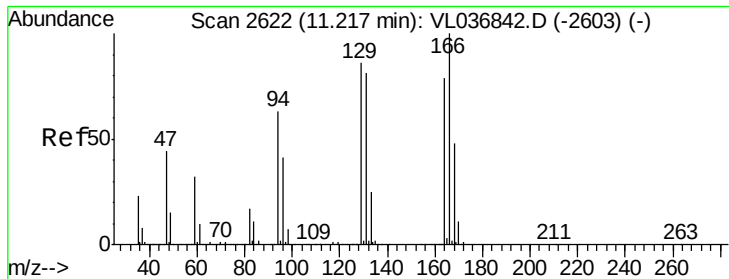
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#44
 2,2,4-Trimethylpentane
 Concen: 0.126 ppbv m
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	58.5	28.2	42.4#
56	48.6	25.9	38.9#





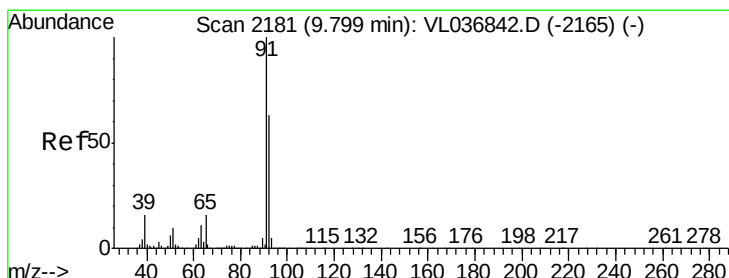
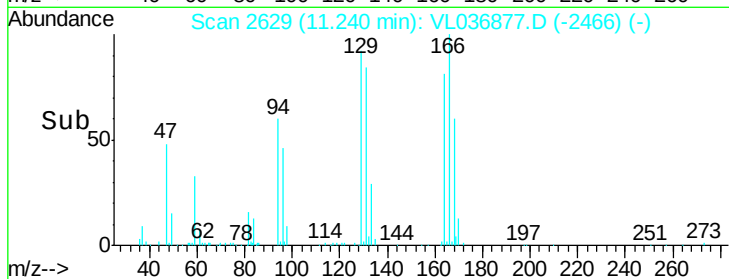
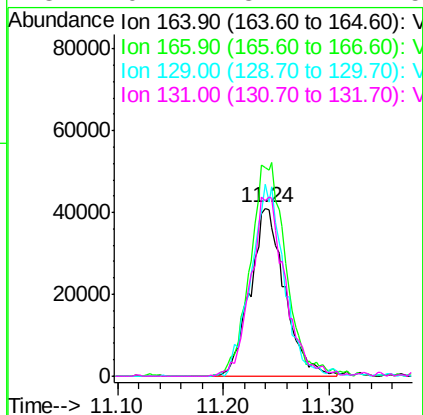
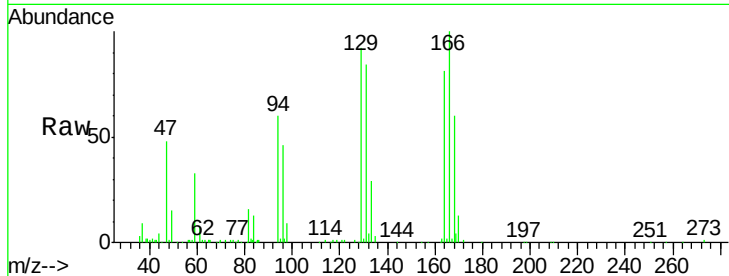
#52
Tetrachloroethene
Concen: 0.920 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.9	151.3
129	114.0	87.0	130.4
131	104.7	81.7	122.5

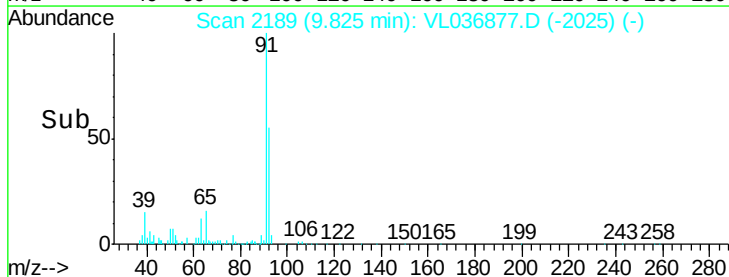
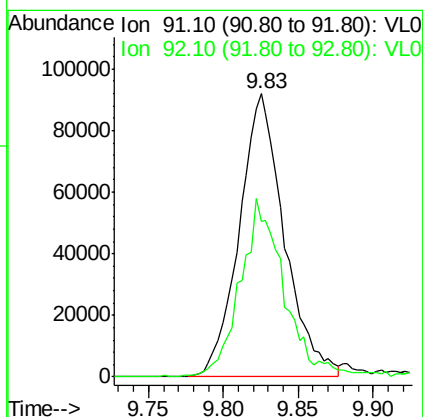
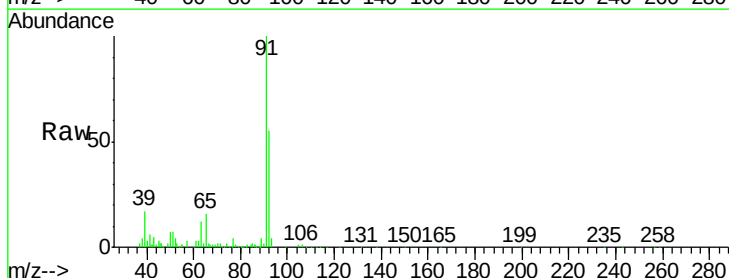
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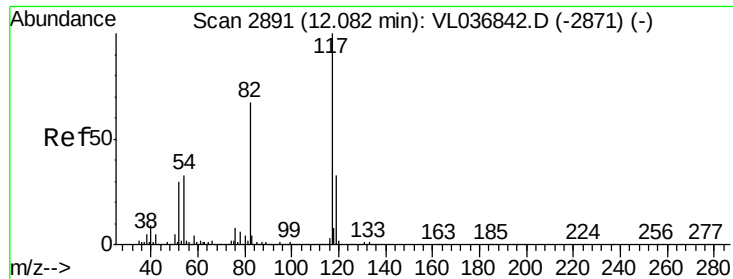
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#53
Toluene
Concen: 0.624 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.03 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.5	49.0	73.4





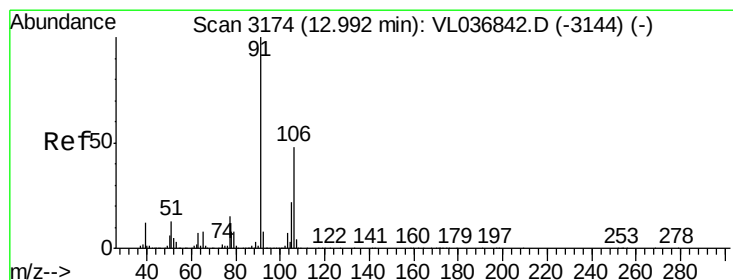
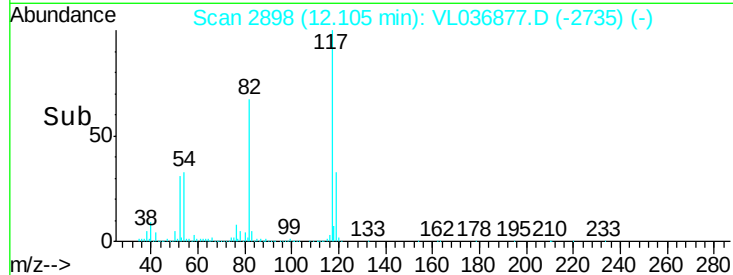
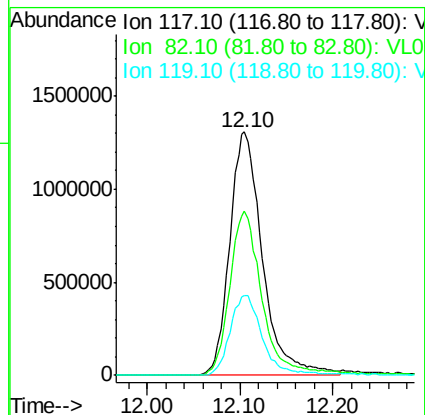
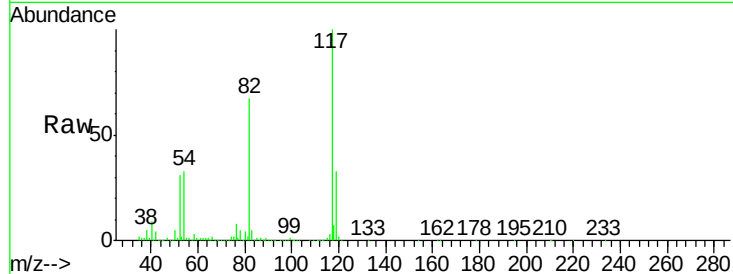
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.02 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	53.5	80.3
119	33.1	25.6	38.4

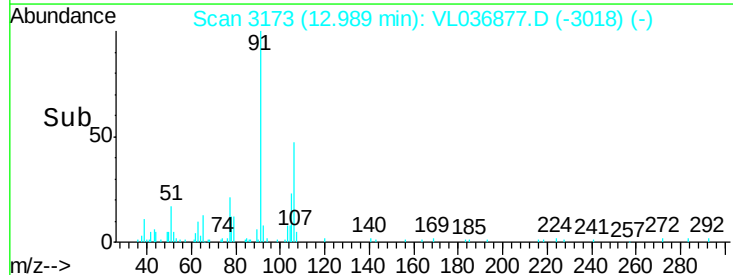
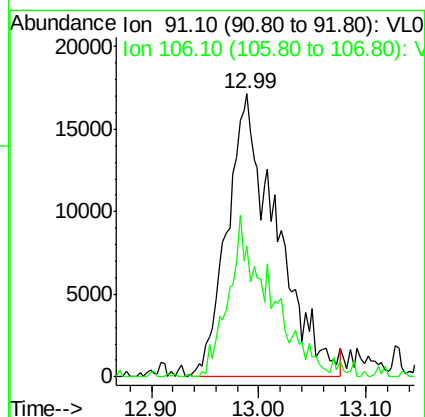
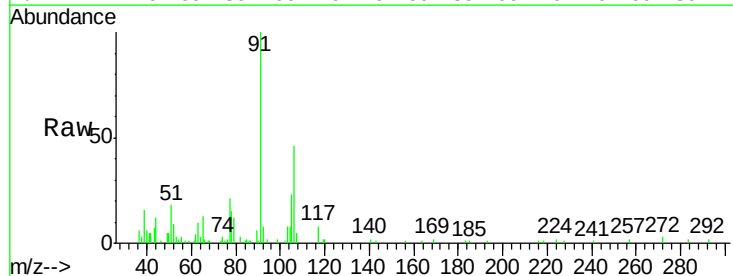
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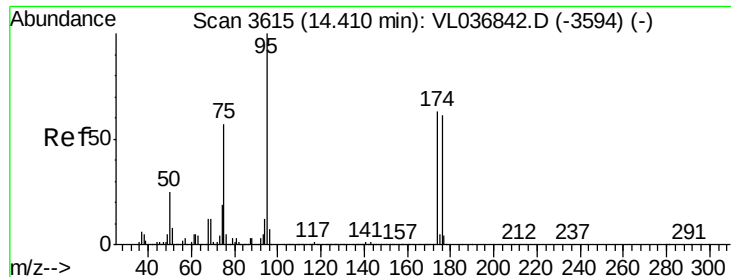
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#59
m/p-Xylene
Concen: 0.151 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VL036877.D
Acq: 28 Apr 2021 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.343 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.02 min
 Lab File: VL036877.D
 Acq: 28 Apr 2021 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Tot Ion: 95 Resp: 2405384
 Ion Ratio Lower Upper
 95 100
 174 68.6 52.2 78.2
 175 4.8 4.0 6.0

Manual Integrations
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