

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
 Data File : VL037895.D
 Acq On : 25 Oct 2021 15:47
 Operator : SY/AP
 Sample : M4339-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Quant Time: Oct 25 23:50:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1483428	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	4301915	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3719757	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2580139	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

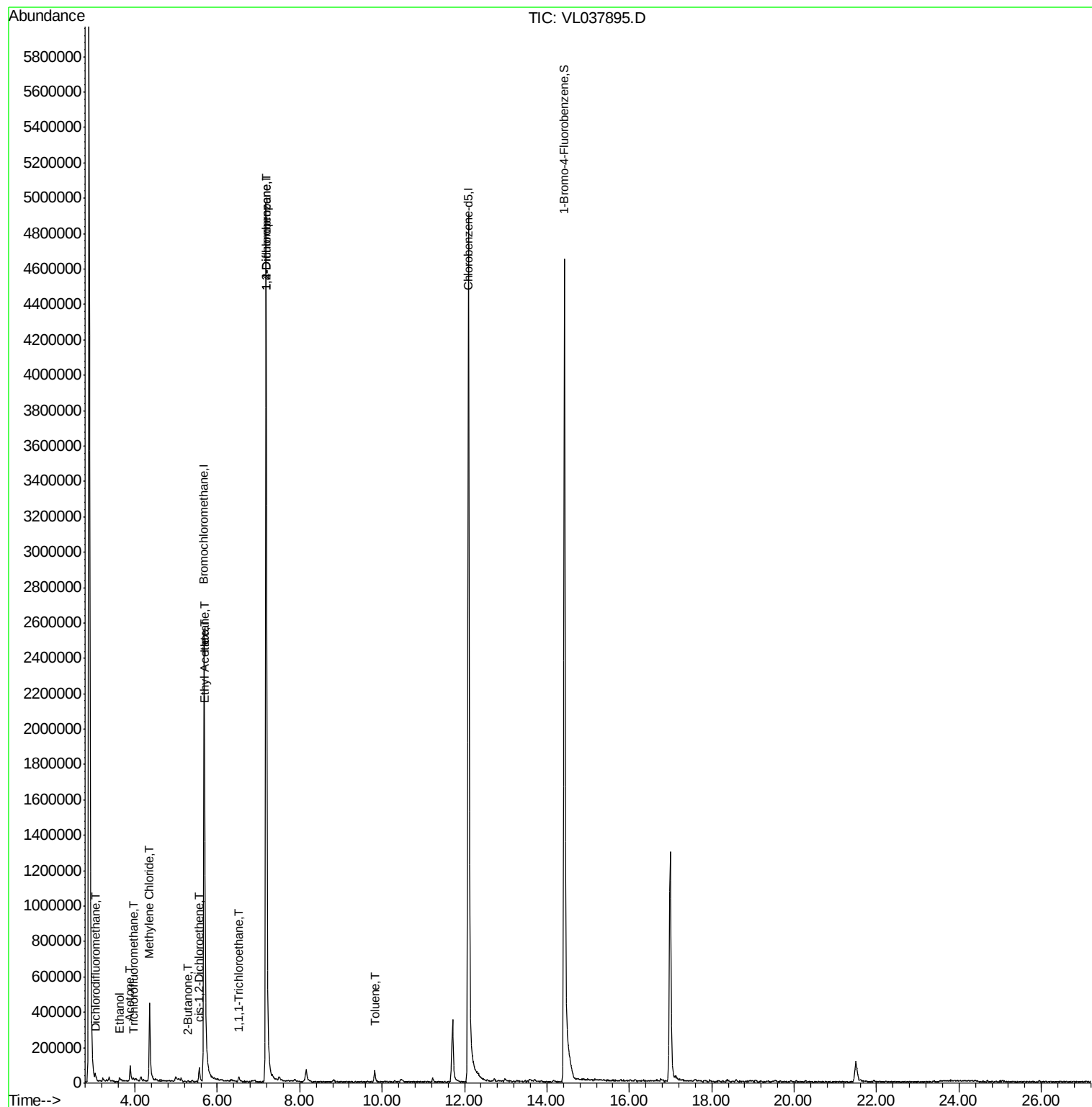
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	5845	0.025	ppbv	100
11) Trichlorofluoromethane	3.96	101	5140	0.024	ppbv	85
13) Ethanol	3.63	45	10654	1.242	ppbv #	27
15) Acetone	3.88	43	56563	0.425	ppbv	100
20) Methylene Chloride	4.36	84	167201	2.485	ppbv	98
25) Ethyl Acetate	5.70	43	53586	0.143	ppbv #	78
26) Hexane	5.70	57	66685	0.362	ppbv #	43
31) cis-1,2-Dichloroethene	5.56	61	47975	0.287	ppbv #	86
32) 1,1,1-Trichloroethane	6.52	97	11518	0.046	ppbv #	74
34) 2-Butanone	5.29	43	4835	0.028	ppbv #	57
39) 1,2-Dichloropropane	7.18	63	1022470	7.398	ppbv #	27
53) Toluene	9.82	91	19673	0.048	ppbv #	1

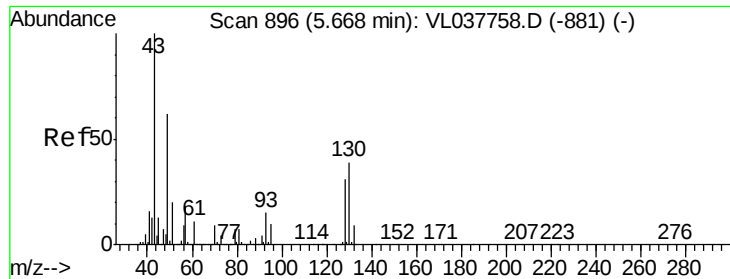
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
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QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-EFFLUENT

Acq: 25 Oct 2021 15:47

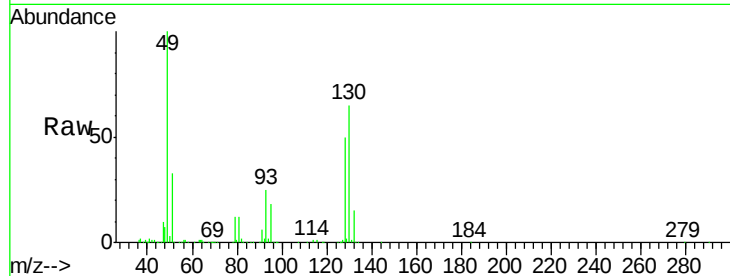
Tgt Ion: 49 Resp: 1483428

Ion Ratio Lower Upper

49 100

128 54.8 27.1 81.3

130 70.5 33.2 99.6



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

5.68

800000

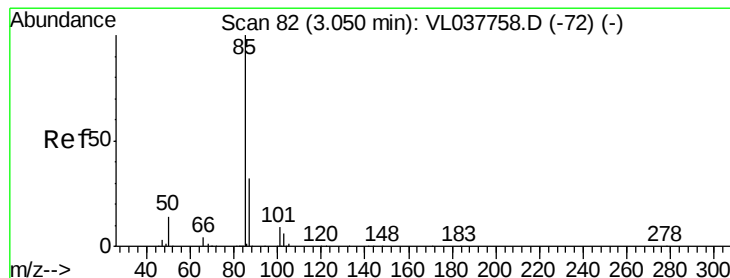
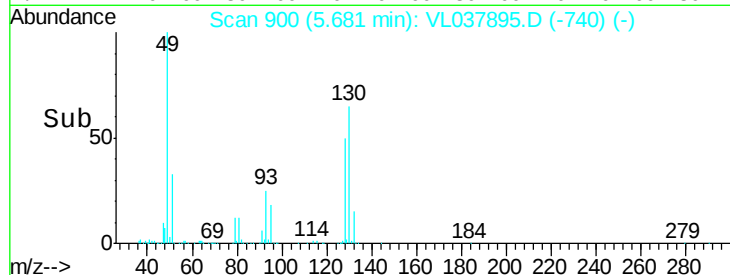
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.025 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037895.D

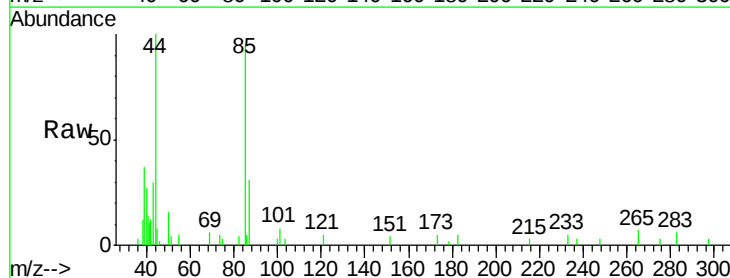
Acq: 25 Oct 2021 15:47

Tgt Ion: 85 Resp: 5845

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

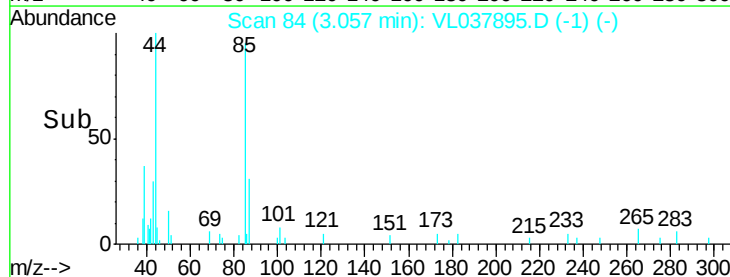
6000

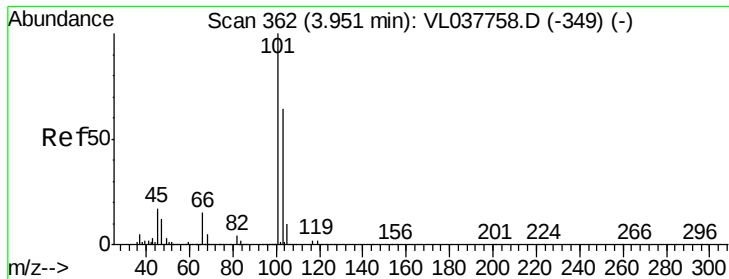
4000

2000

0

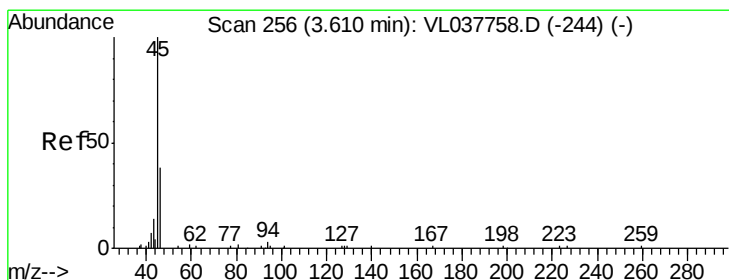
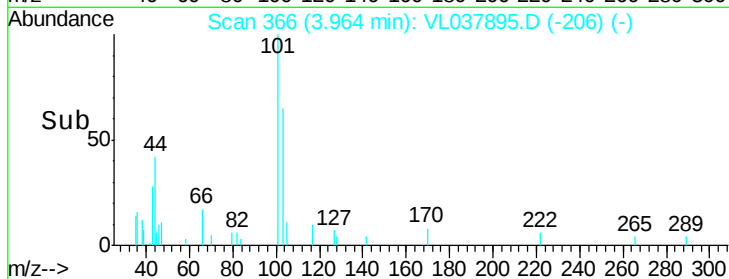
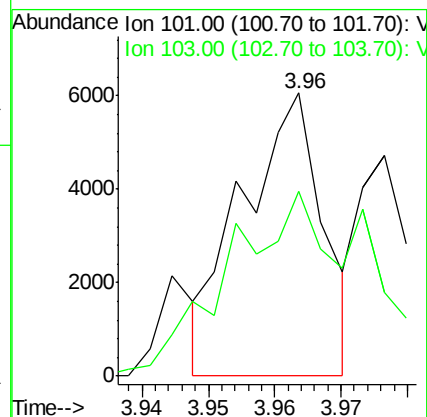
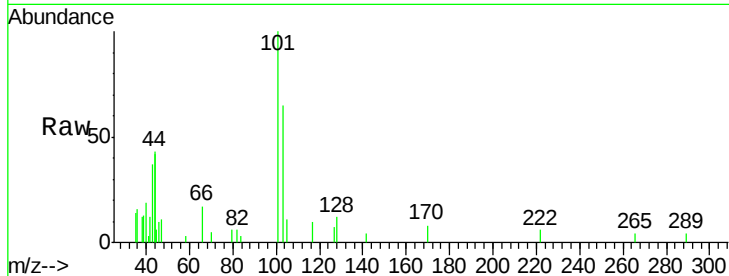
Time-->





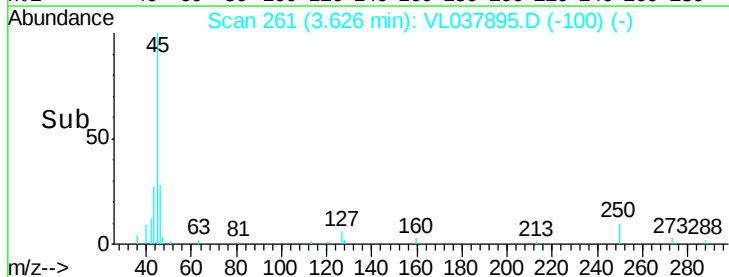
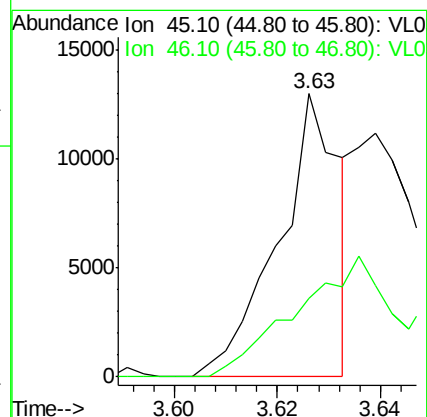
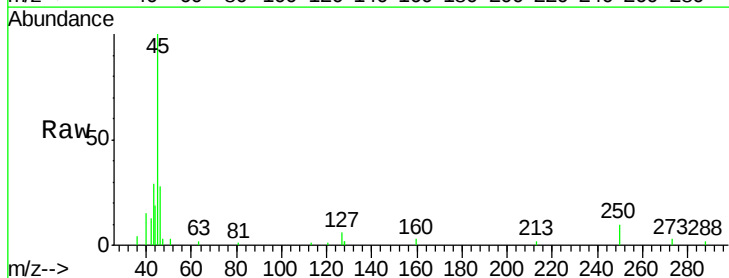
#11
 Trichlorofluoromethane
 Concen: 0.024 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 SVE-EFFLUENT
 Acq: 25 Oct 2021 15:47

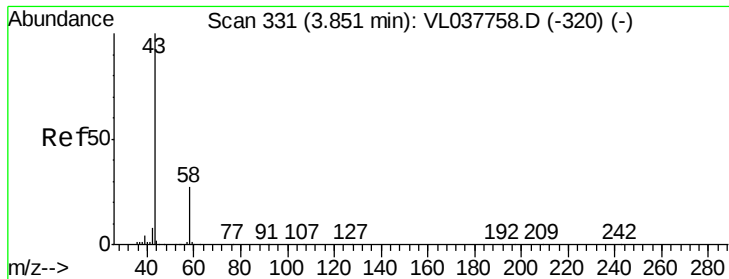
Tgt Ion: 101 Resp: 5140
 Ion Ratio Lower Upper
 101 100
 103 52.8 51.5 77.3



#13
 Ethanol
 Concen: 1.242 ppbv
 RT: 3.63 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VL037895.D
 Acq: 25 Oct 2021 15:47

Tgt Ion: 45 Resp: 10654
 Ion Ratio Lower Upper
 45 100
 46 0.0 20.2 81.0#





#15

Acetone

Concen: 0.425 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

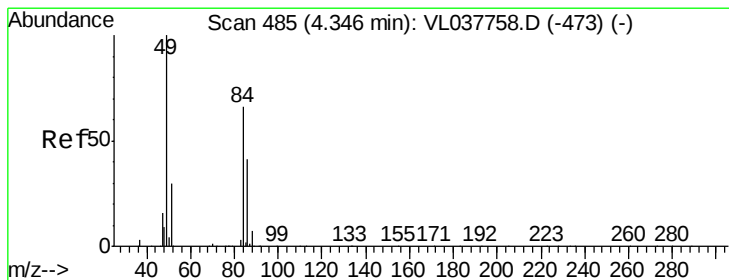
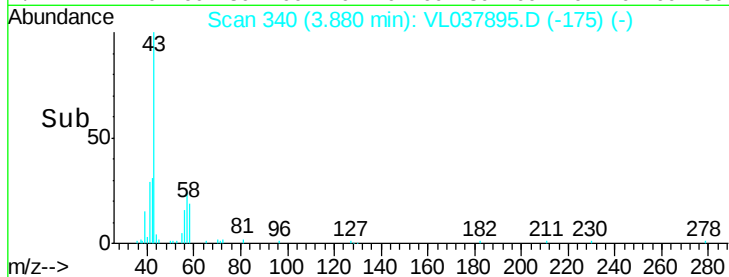
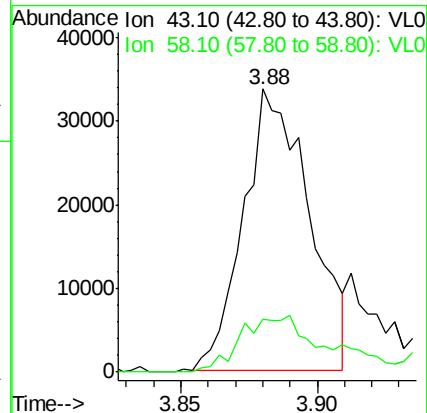
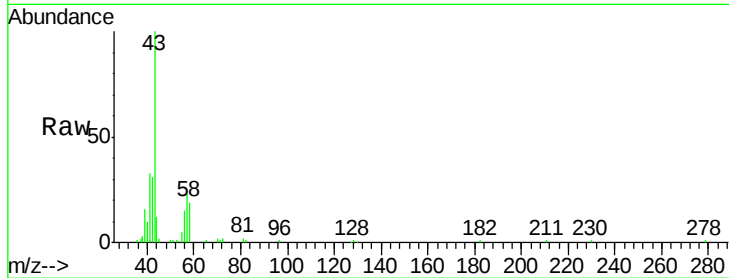
Acq: 25 Oct 2021 15:47 SVE-EFFLUENT

Tgt Ion: 43 Resp: 56563

Ion Ratio Lower Upper

43 100

58 28.6 23.0 34.6



#20

Methylene Chloride

Concen: 2.485 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037895.D

Acq: 25 Oct 2021 15:47

Tgt Ion: 84 Resp: 167201

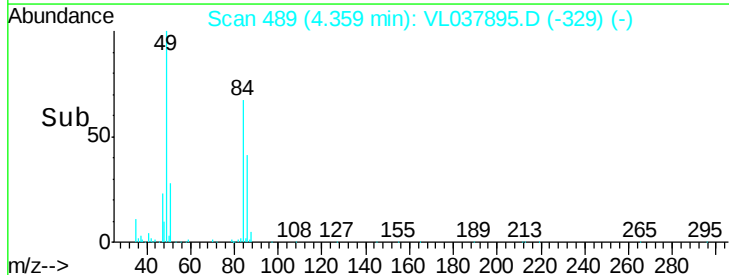
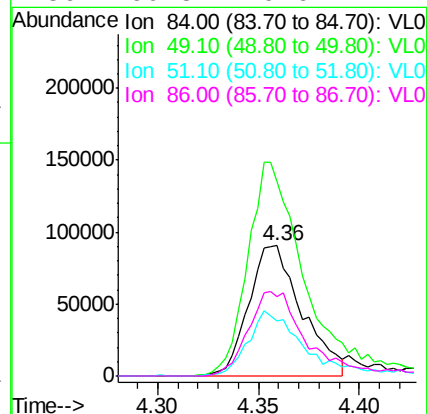
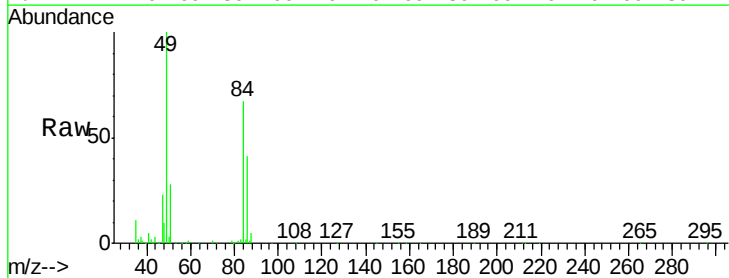
Ion Ratio Lower Upper

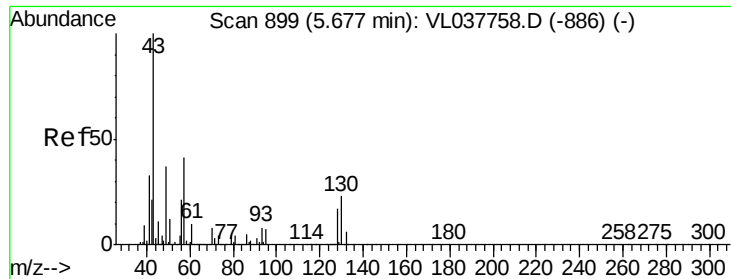
84 100

49 148.9 120.7 181.1

51 42.4 36.2 54.4

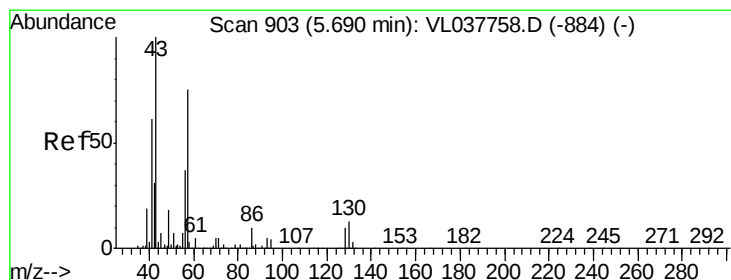
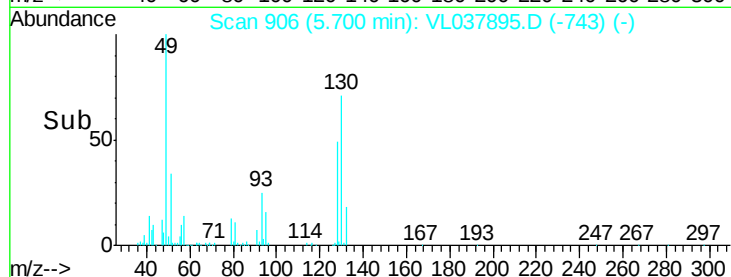
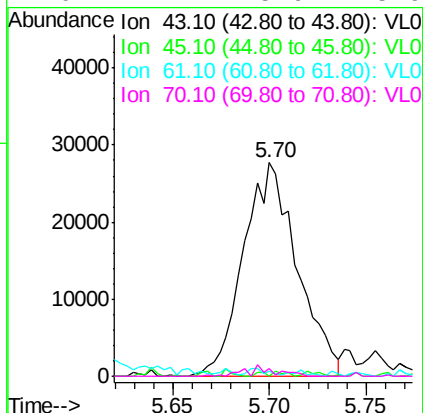
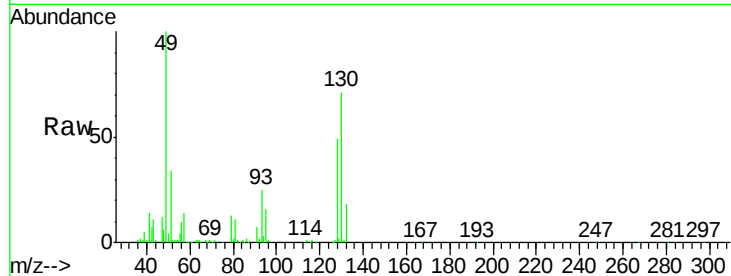
86 60.8 49.6 74.4





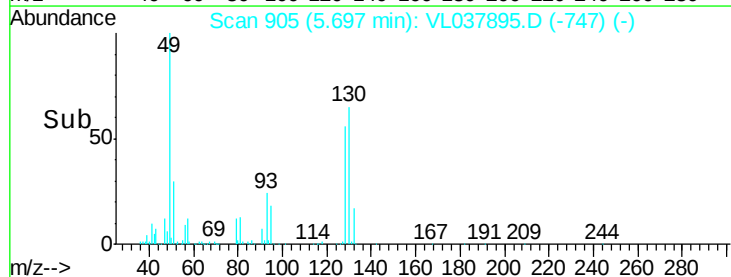
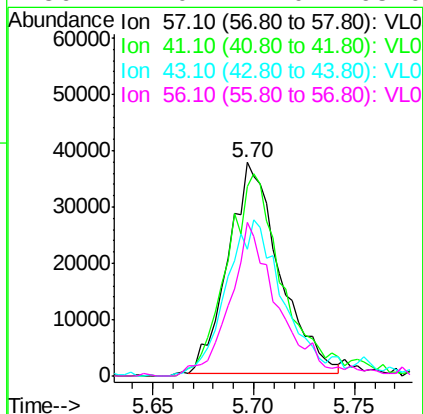
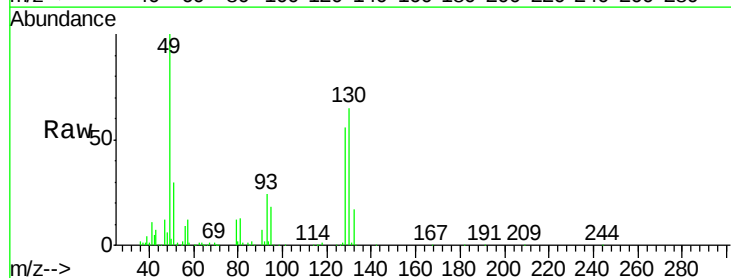
#25
Ethyl Acetate
Concen: 0.143 ppbv
RT: 5.70 min
Delta R.T.: 0.01 min
Lab File: VL037758.D
Acq: 25 Oct 2021 15:47

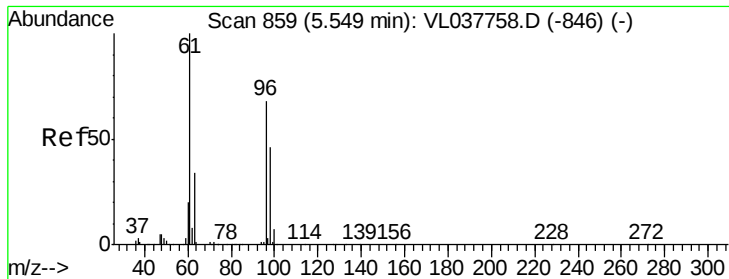
Tgt Ion:	43	Resp:	53586
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.1	12.1#
61	0.0	7.5	11.3#
70	2.7	5.9	8.9#



#26
Hexane
Concen: 0.362 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL037895.D
Acq: 25 Oct 2021 15:47

Tgt Ion:	57	Resp:	66685
Ion	Ratio	Lower	Upper
57	100		
41	108.7	69.6	104.4#
43	90.0	171.4	257.0#
56	71.0	42.0	63.0#





#31

cis-1,2-Dichloroethene

Concen: 0.287 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 15:47 SVE-EFFLUENT

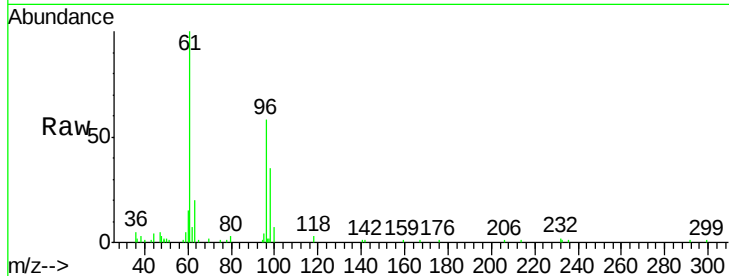
Tgt Ion: 61 Resp: 47975

Ion Ratio Lower Upper

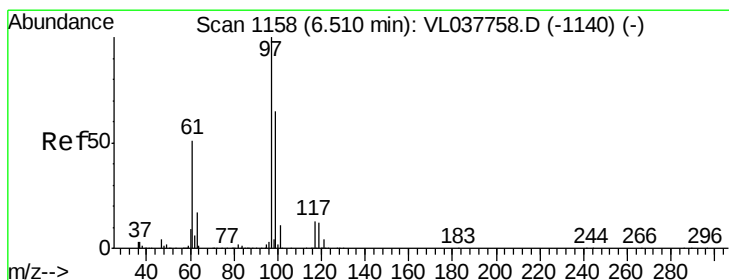
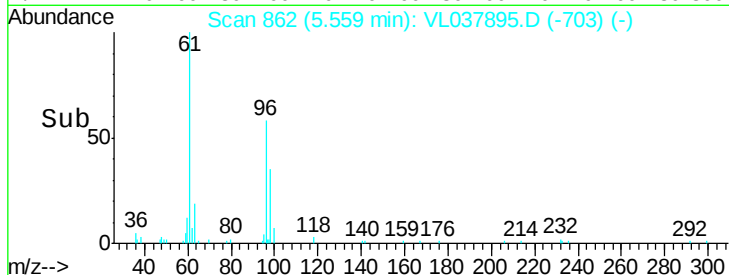
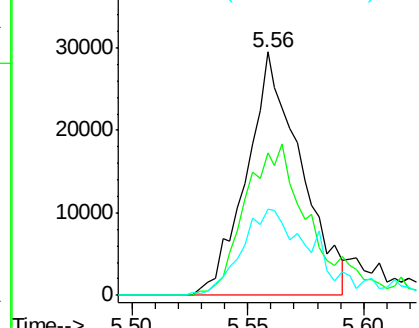
61 100

96 58.5 54.2 81.2

98 34.2 36.6 54.8#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.046 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL037895.D

Acq: 25 Oct 2021 15:47

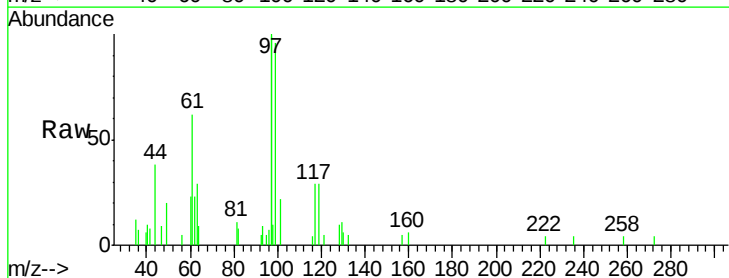
Tgt Ion: 97 Resp: 11518

Ion Ratio Lower Upper

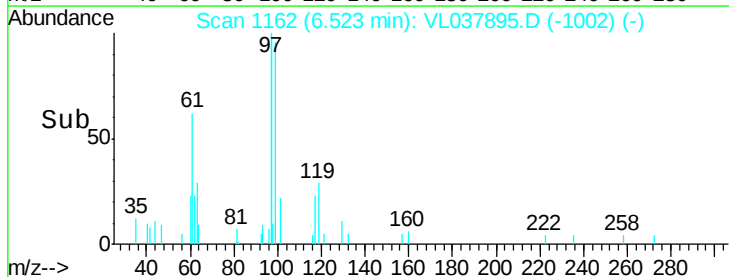
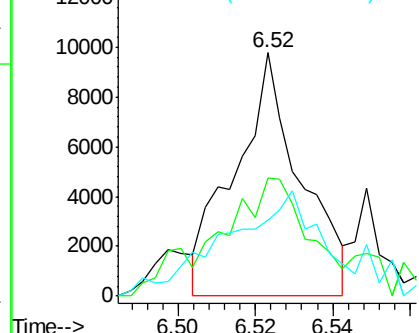
97 100

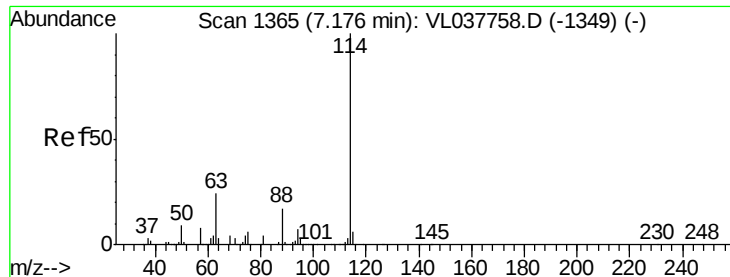
99 82.7 52.6 78.8#

61 71.7 40.2 60.4#



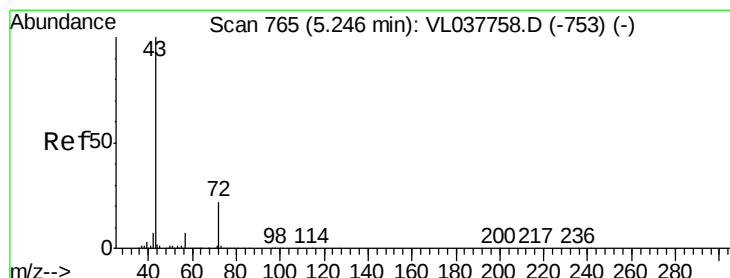
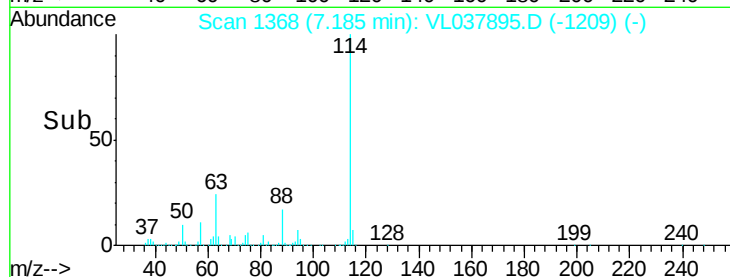
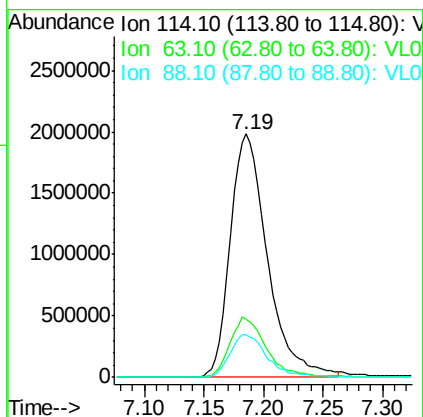
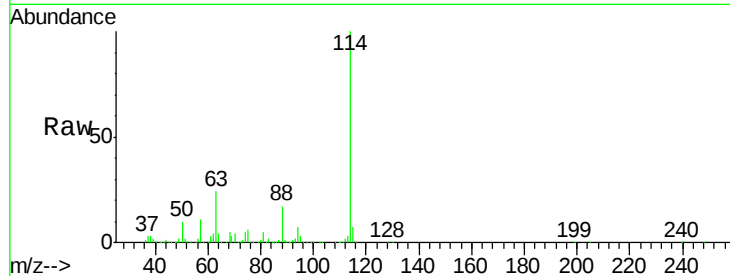
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





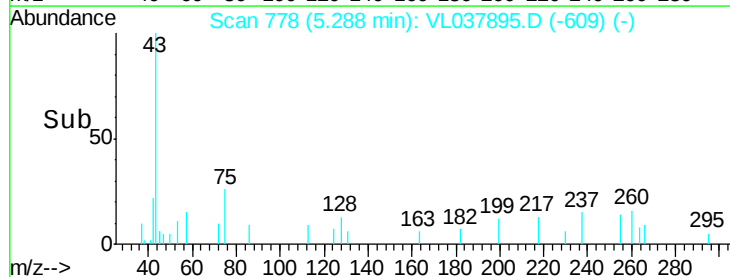
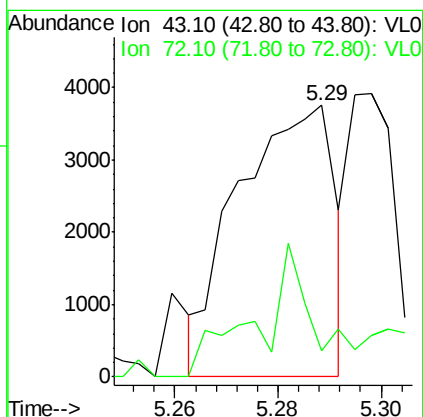
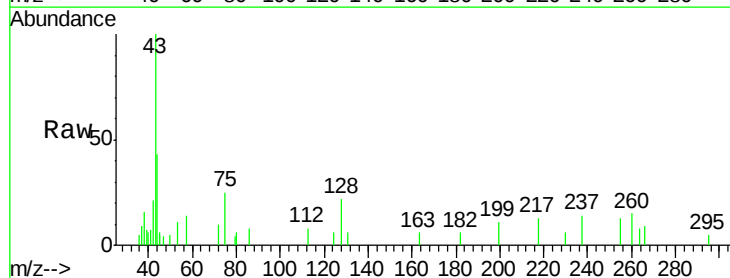
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SVE-EFFLUENT
 Acq: 25 Oct 2021 15:47

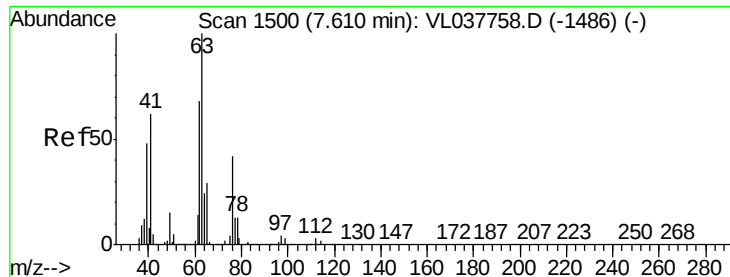
Tgt Ion: 114 Resp: 4301915
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.4 29.2
 88 17.9 14.4 21.6



#34
 2-Butanone
 Concen: 0.028 ppbv
 RT: 5.29 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VL037895.D
 Acq: 25 Oct 2021 15:47

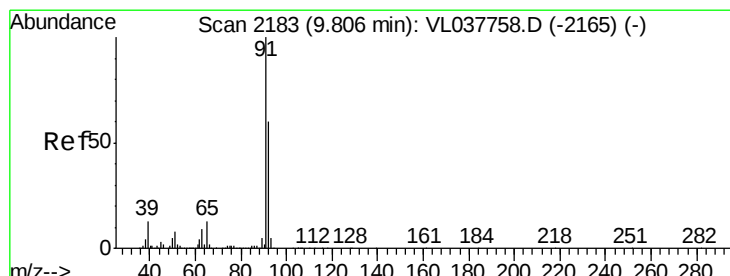
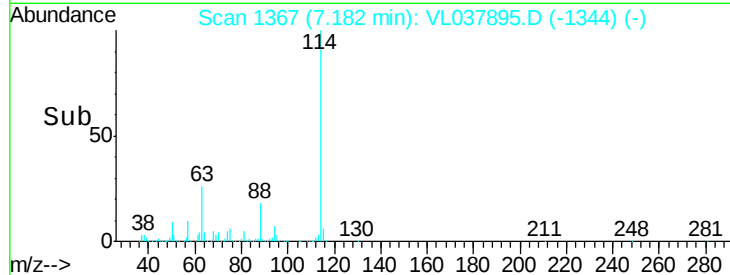
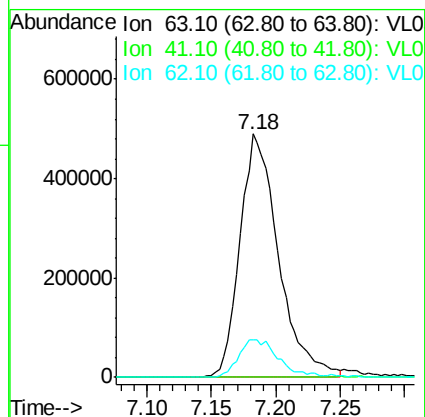
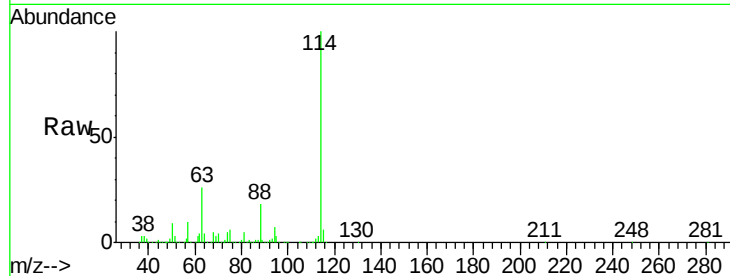
Tgt Ion: 43 Resp: 4835
 Ion Ratio Lower Upper
 43 100
 72 43.6 18.2 27.2#





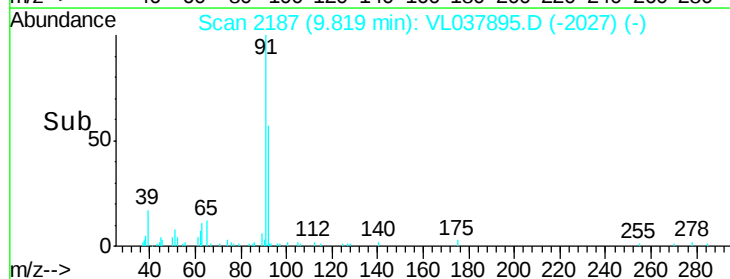
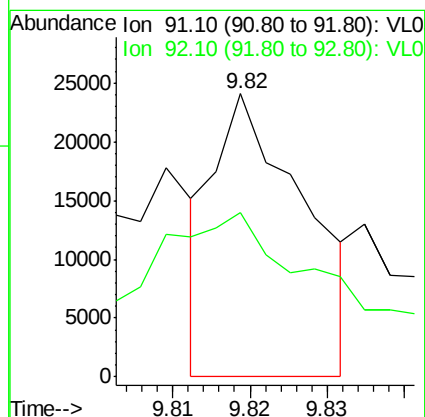
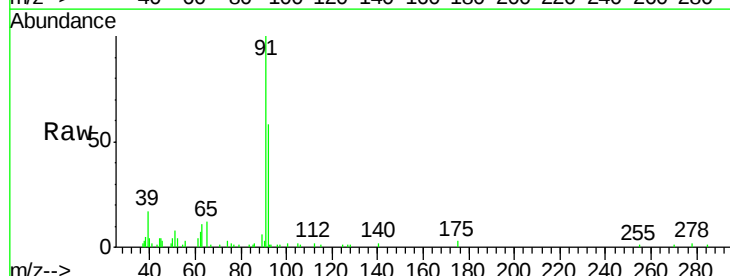
#39
 1,2-Dichloropropane
 Concen: 7.398 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SVE-EFFLUENT
 Acq: 25 Oct 2021 15:47

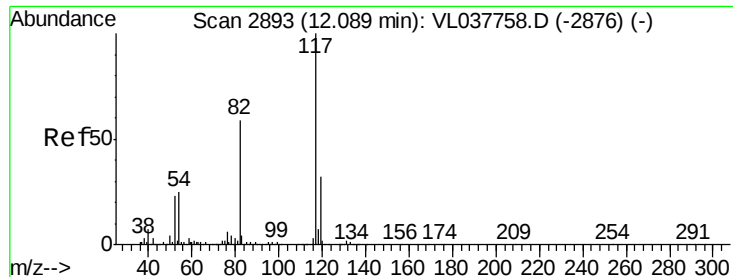
Tgt Ion: 63 Resp: 1022470
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 15.5 54.6 82.0#



#53
 Toluene
 Concen: 0.048 ppbv
 RT: 9.82 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VL037895.D
 Acq: 25 Oct 2021 15:47

Tgt Ion: 91 Resp: 19673
 Ion Ratio Lower Upper
 91 100
 92 148.5 48.4 72.6#

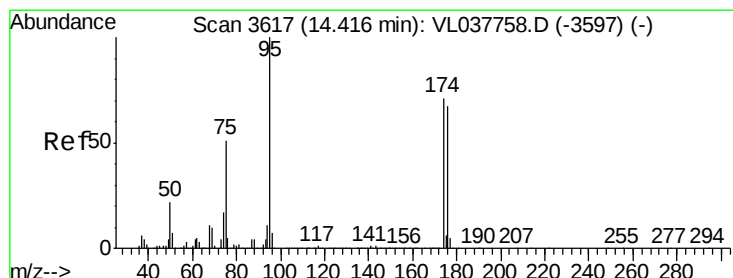
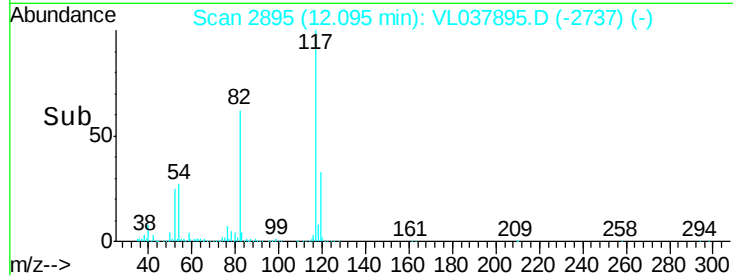
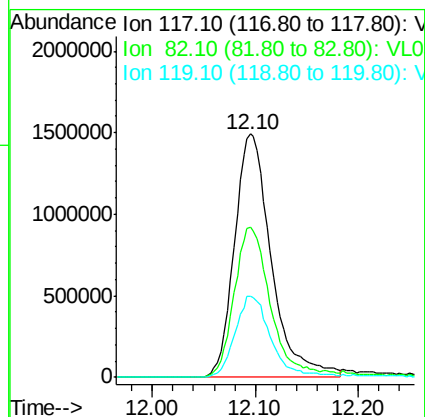
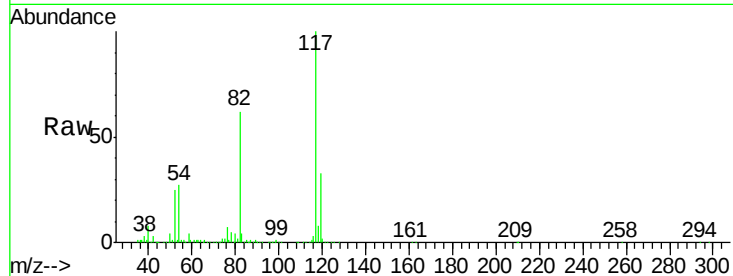




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : SVE-EFFLUENT
Acq: 25 Oct 2021 15:47

Tgt Ion: 117 Resp: 3719757

Ion	Ratio	Lower	Upper
117	100		
82	65.4	52.2	78.2
119	34.3	26.0	39.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 14.43 min Scan# 3620
Delta R.T.: 0.01 min
Lab File: VL037895.D
Acq: 25 Oct 2021 15:47

Tgt Ion: 95 Resp: 2580139

Ion	Ratio	Lower	Upper
95	100		
174	73.5	57.8	86.6
175	5.4	4.7	7.1

