

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037702.D
 Acq On : 28 Sep 2021 15:00
 Operator : SY/AP
 Sample : M3896-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Manual Integrations
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Quant Time: Sep 29 20:39:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1375277	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4141709	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3620445	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2638357	10.08	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

						Qvalue
4) Chloromethane	3.15	50	17853m	0.186	ppbv	
9) Propene	3.03	41	86626	0.947	ppbv	83
10) Heptane	8.13	43	77933	0.365	ppbv	99
11) Trichlorofluoromethane	3.96	101	38737	0.194	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.49	101	21786m	0.148	ppbv	
13) Ethanol	3.61	45	2005644	224.084	ppbv	91
15) Acetone	3.85	43	2608586	18.256	ppbv	99
17) tert-Butyl alcohol	4.31	59	35811m	0.296	ppbv	
18) 1,1-Dichloroethene	4.30	96	60376m	0.879	ppbv	
19) Isopropyl Alcohol	3.98	45	535282	6.885	ppbv #	96
20) Methylene Chloride	4.35	84	3057281	44.817	ppbv	98
24) 1,1-Dichloroethane	5.02	63	318797	2.251	ppbv	99
26) Hexane	5.70	57	4330319	26.341	ppbv #	46
30) Cyclohexane	7.14	84	31021m	0.221	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	218153	0.976	ppbv	99
34) 2-Butanone	5.25	43	462883	2.750	ppbv	95
35) Carbon Tetrachloride	7.02	117	7202m	0.031	ppbv	
36) Benzene	6.90	78	63669m	0.184	ppbv	
41) Tetrahydrofuran	6.07	42	147662m	1.866	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	27795m	0.130	ppbv	
51) 2-Hexanone	10.15	43	194343m	2.062	ppbv	
52) Tetrachloroethene	11.23	164	9299m	0.070	ppbv	
53) Toluene	9.82	91	443876	1.156	ppbv	99
58) Ethyl Benzene	12.71	91	244816m	0.509	ppbv	
59) m/p-Xylene	12.97	91	561246m	1.340	ppbv	
60) o-Xylene	13.70	91	264975	0.665	ppbv	97
62) Isopropylbenzene	14.68	105	59367m	0.107	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	60351m	0.141	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	152507	0.339	ppbv #	65
79) Naphthalene	22.20	128	105114m	0.381	ppbv	
80) Naphthalene,2-methyl-	24.98	142	28998	0.460	ppbv	85

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

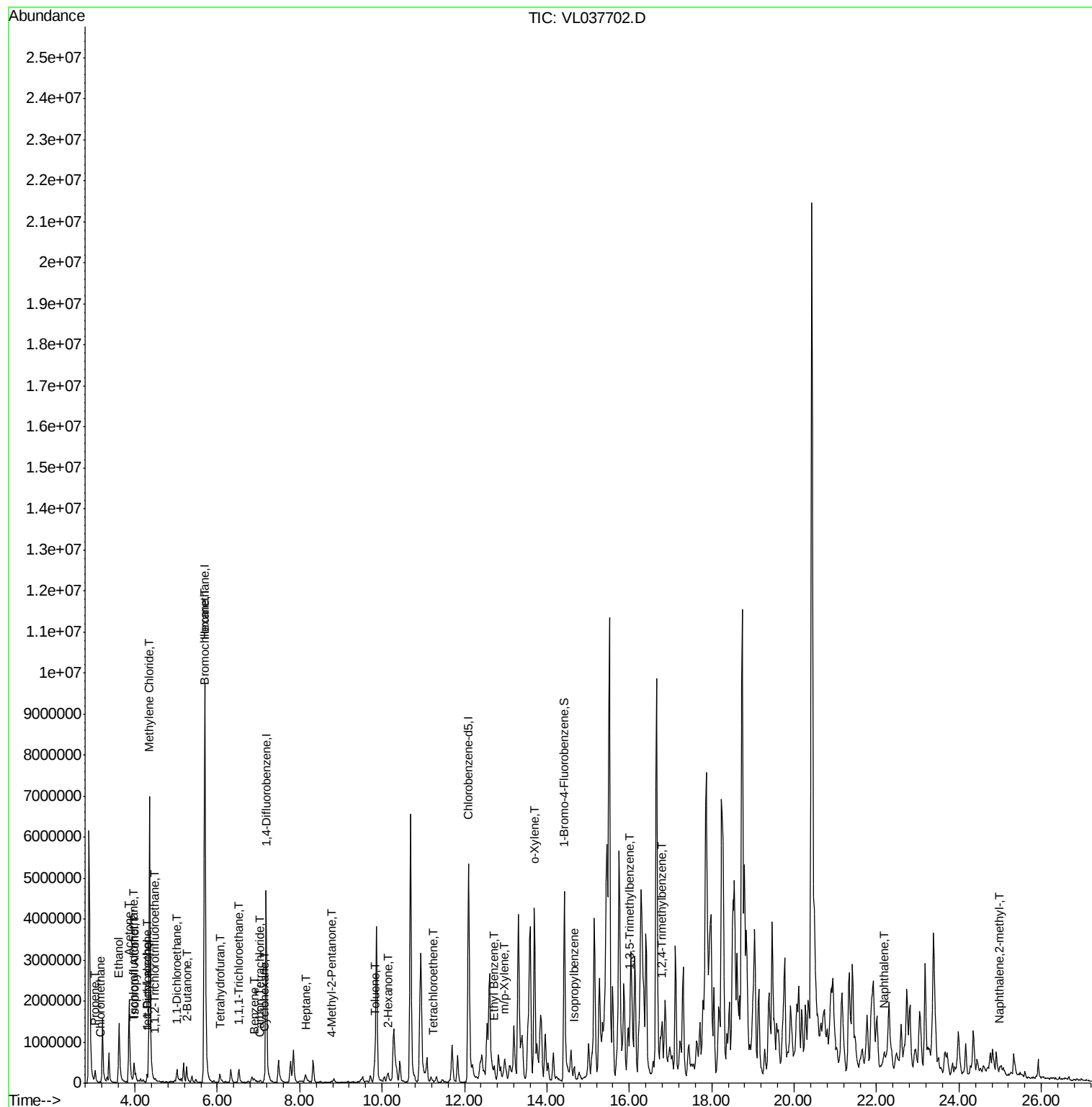
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Data File : VL037702.D
Acq On : 28 Sep 2021 15:00
Operator : SY/AP
Sample : M3896-03
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

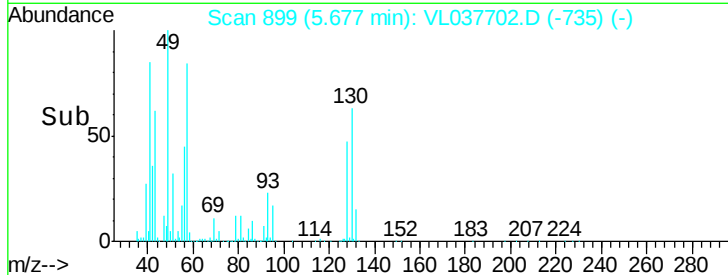
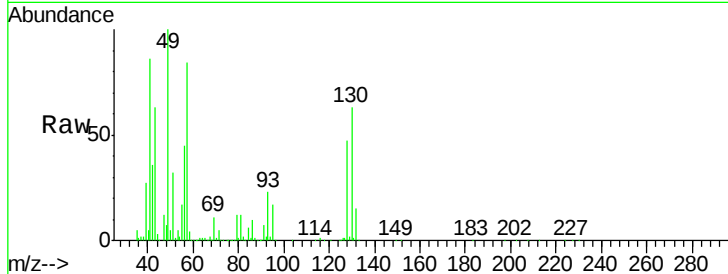
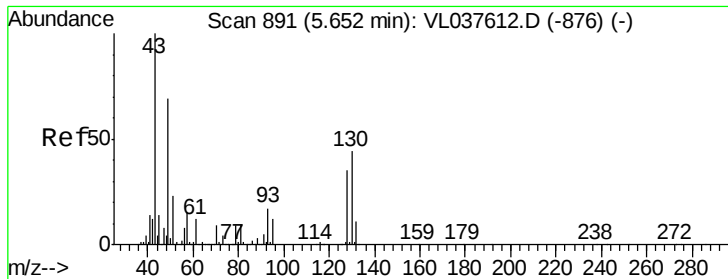
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

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Quant Time: Sep 29 20:39:55 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





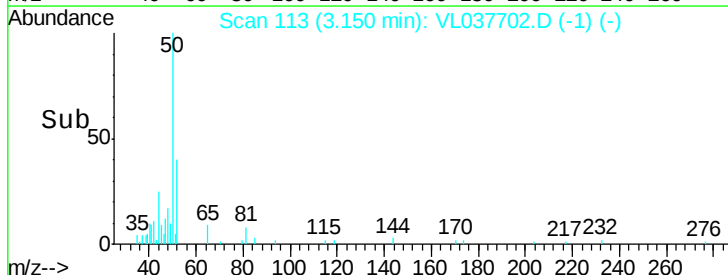
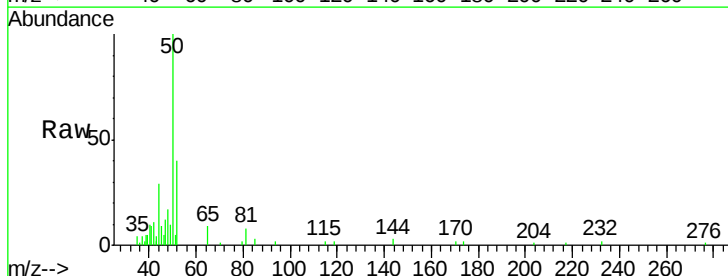
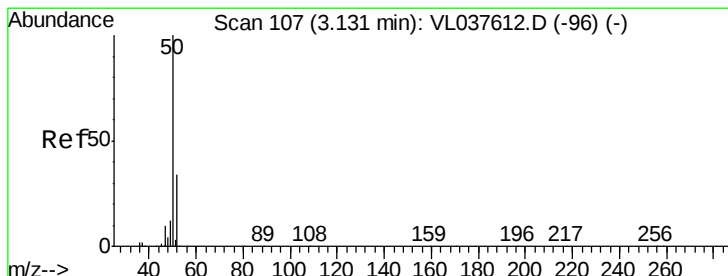
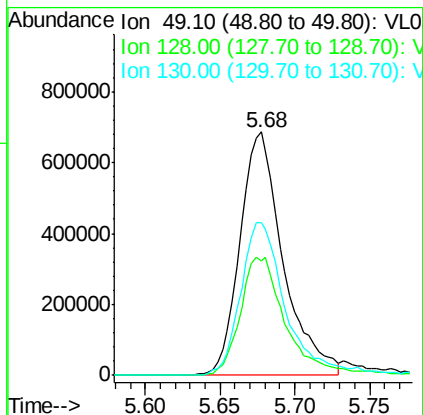
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.03 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Tgt Ion: 49 Resp: 1375277
Ion Ratio Lower Upper
49 100
128 52.5 27.9 83.6
130 66.7 33.9 101.7

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

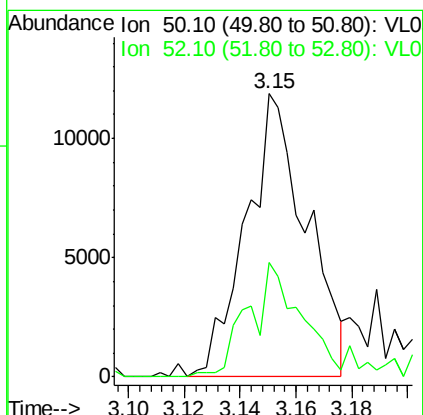
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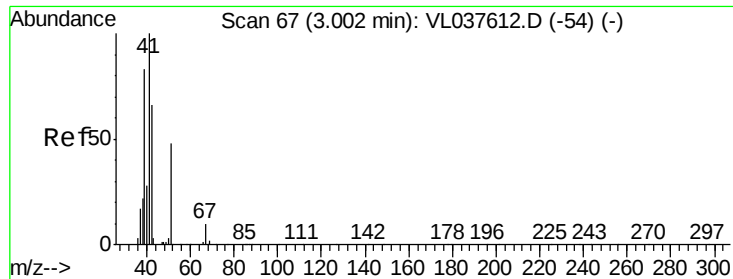
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#4
Chloromethane
Concen: 0.186 ppbv m
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Tgt Ion: 50 Resp: 17853
Ion Ratio Lower Upper
50 100
52 40.3 27.1 40.7





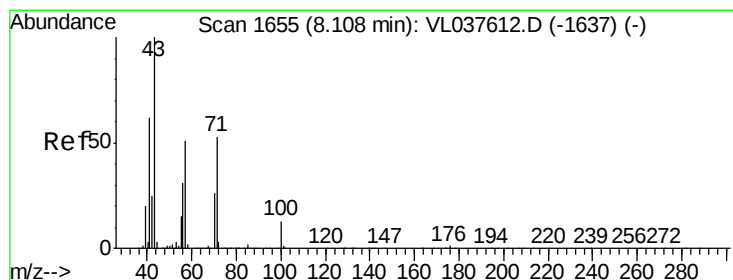
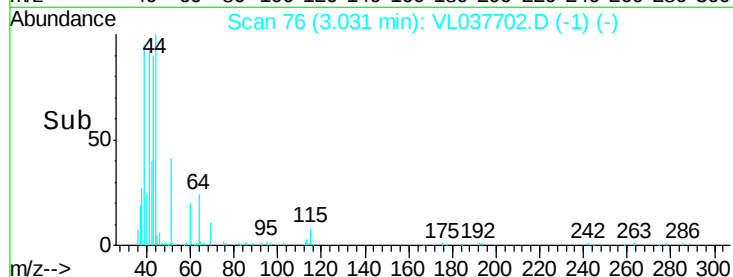
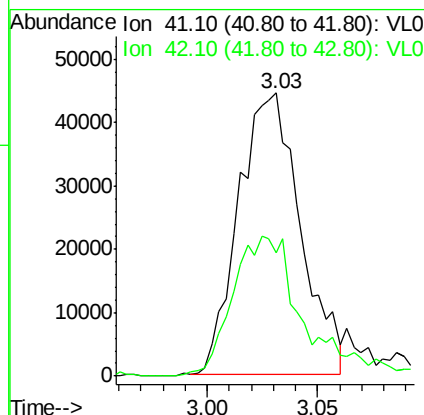
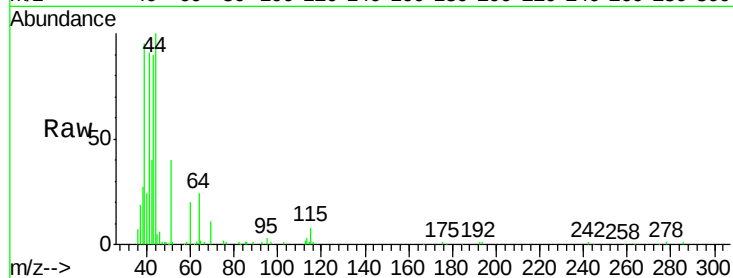
#9
 Propene
 Concen: 0.947 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Tgt Ion: 41 Resp: 86626
 Ion Ratio Lower Upper
 41 100
 42 57.7 57.2 85.8

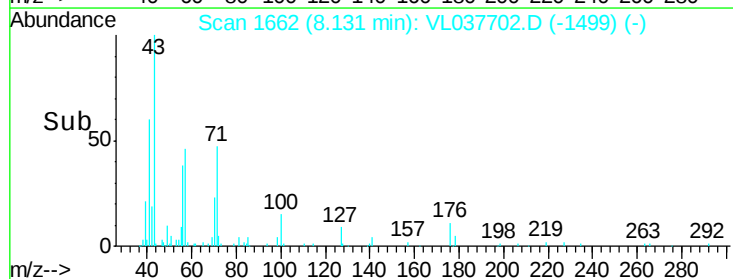
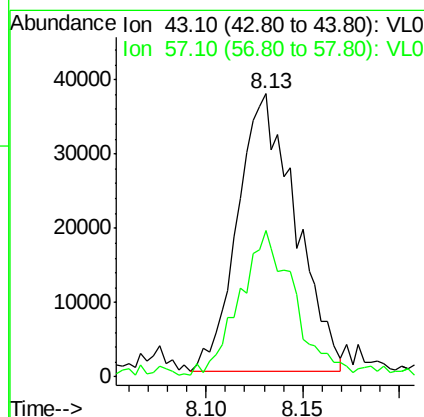
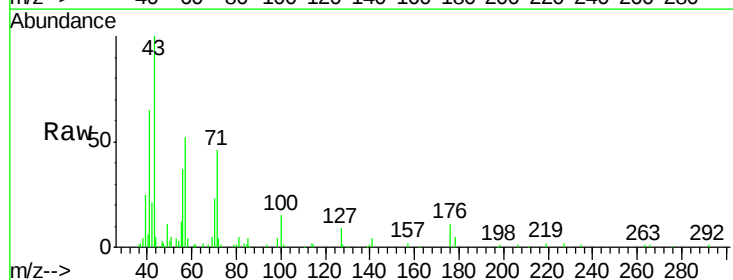
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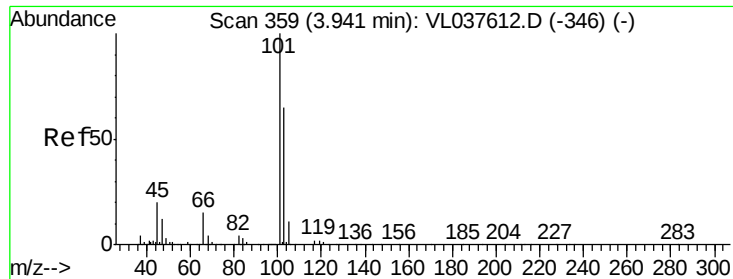
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#10
 Heptane
 Concen: 0.365 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.02 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Tgt Ion: 43 Resp: 77933
 Ion Ratio Lower Upper
 43 100
 57 50.9 40.1 60.1





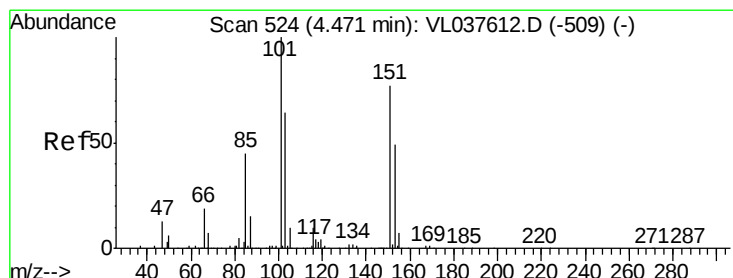
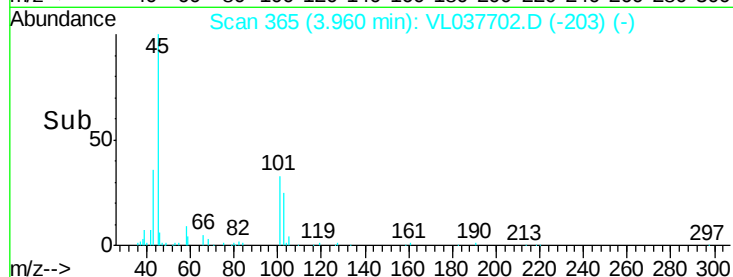
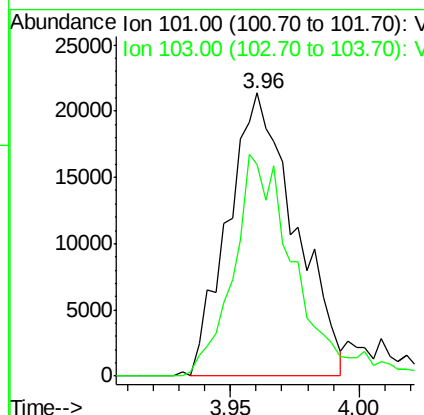
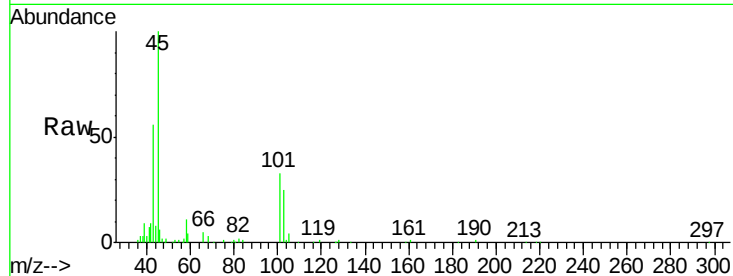
#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Tgt Ion:101 Resp: 38737
 Ion Ratio Lower Upper
 101 100
 103 73.0 51.9 77.9

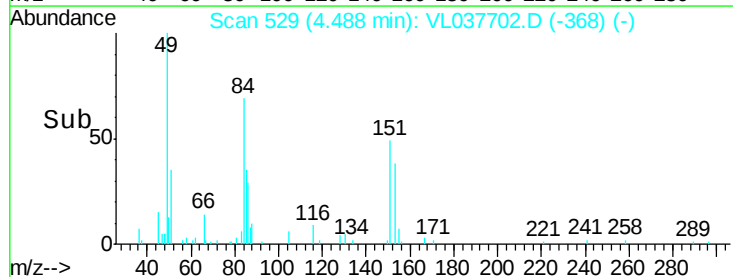
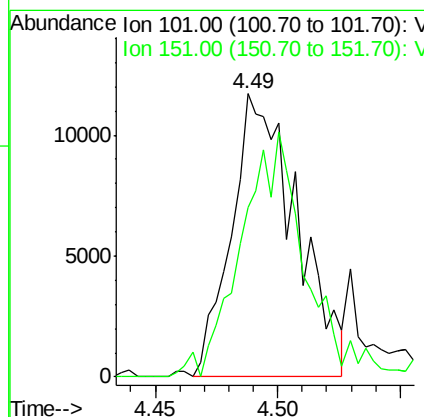
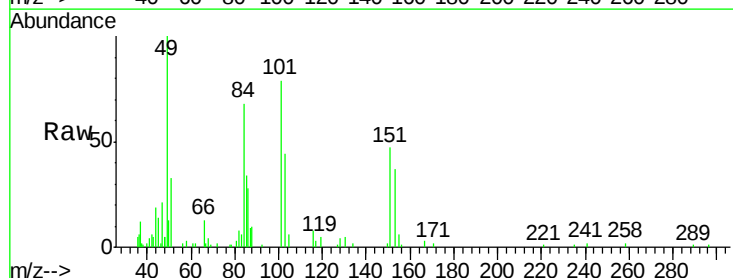
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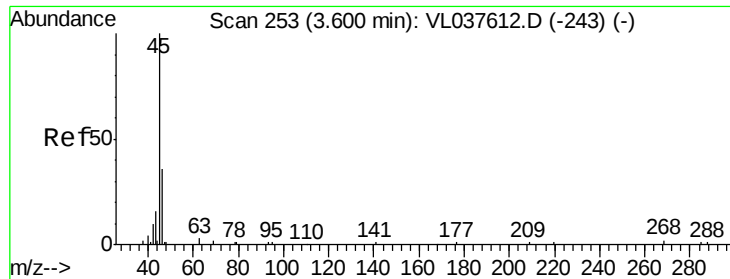
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.148 ppbv m
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Tgt Ion:101 Resp: 21786
 Ion Ratio Lower Upper
 101 100
 151 0.0 63.5 95.3#





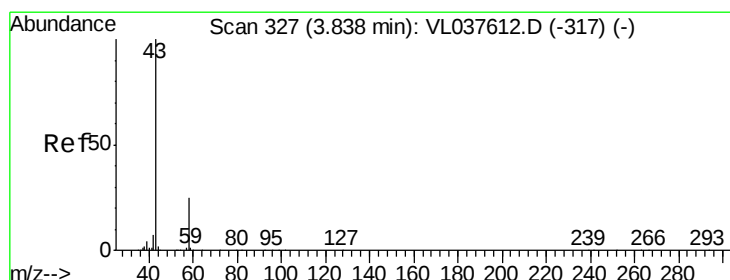
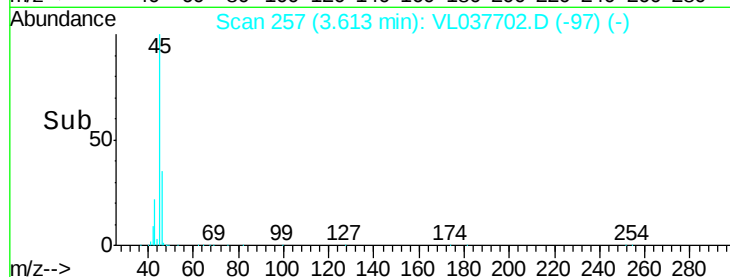
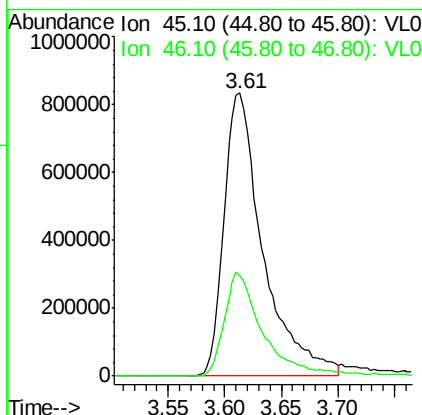
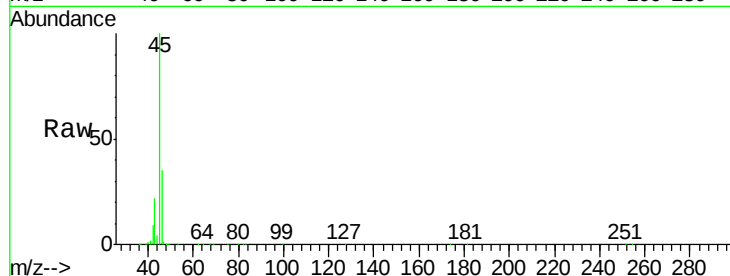
#13
Ethanol
Concen: 224.084 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tgt Ion: 45 Resp: 2005644
Ion Ratio Lower Upper
45 100
46 37.0 17.2 68.8

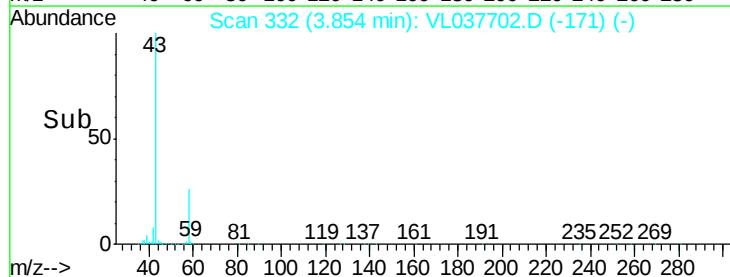
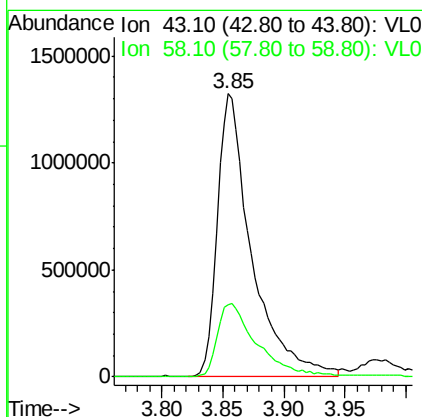
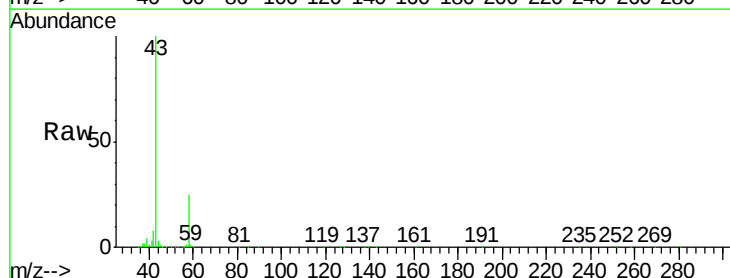
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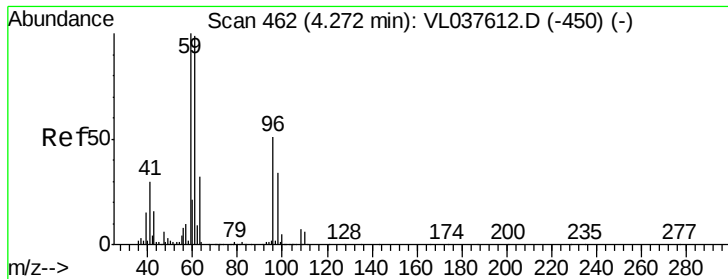
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#15
Acetone
Concen: 18.256 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Tgt Ion: 43 Resp: 2608586
Ion Ratio Lower Upper
43 100
58 30.3 24.9 37.3





#17

tert-Butyl alcohol

Concen: 0.296 ppbv m

RT: 4.31 min Scan# 475

Delta R.T. 0.04 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Instrument :

MSVOA_L

ClientSampled :

EFFLUENT

Tgt Ion: 59 Resp: 35811

Ion Ratio Lower Upper

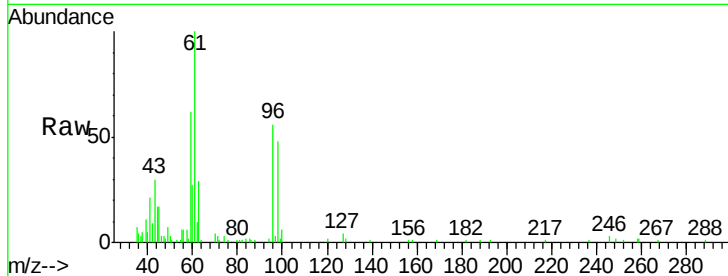
59 100

57 0.0 8.4 12.6#

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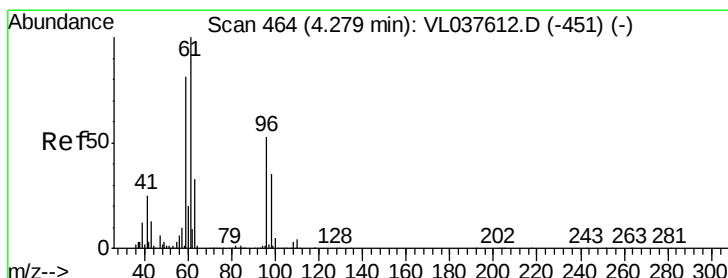
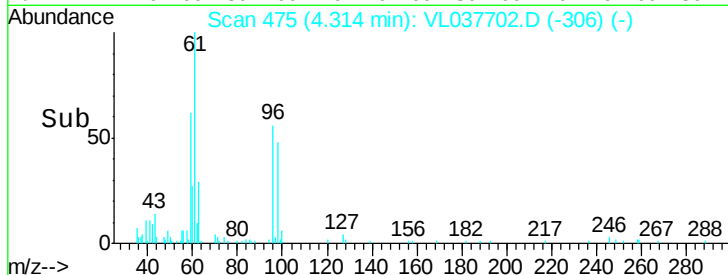
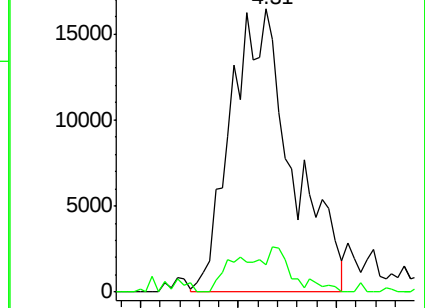
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.879 ppbv m

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

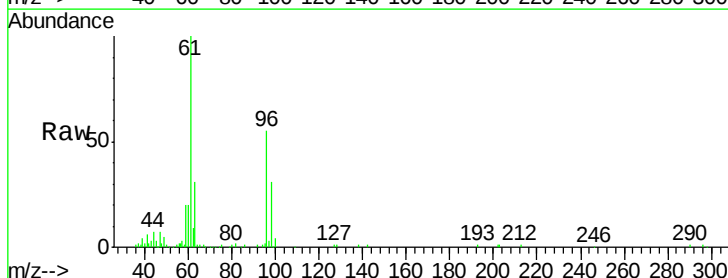
Tgt Ion: 96 Resp: 60376

Ion Ratio Lower Upper

96 100

61 181.2 150.4 225.6

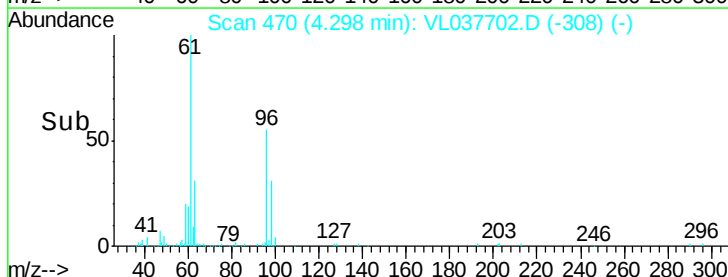
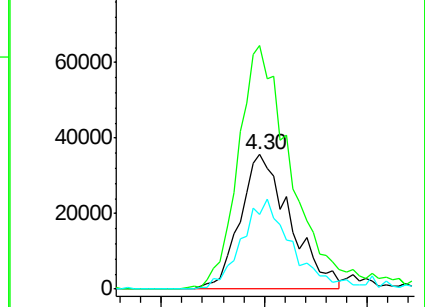
98 55.5 52.1 78.1

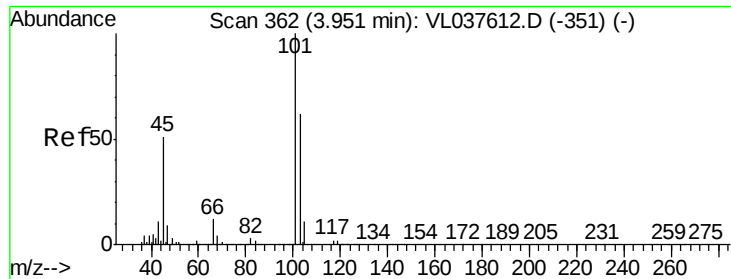


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 6.885 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion: 45 Resp: 535282

Ion Ratio Lower Upper

45 100

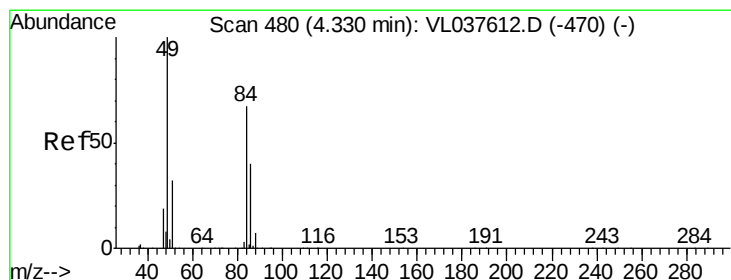
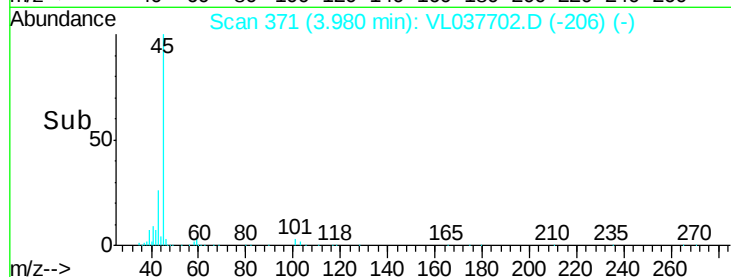
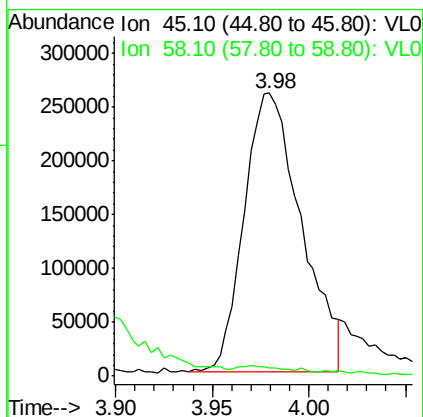
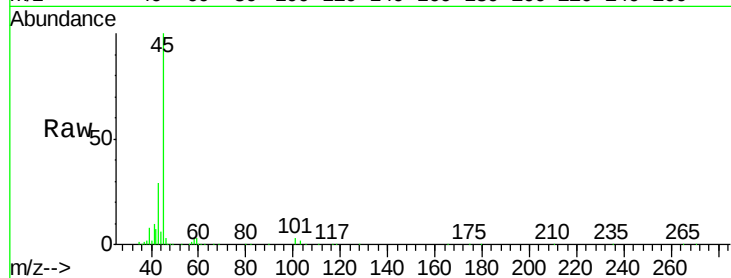
58 5.0 2.9 4.3#

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#20

Methylene Chloride

Concen: 44.817 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Tgt Ion: 84 Resp: 3057281

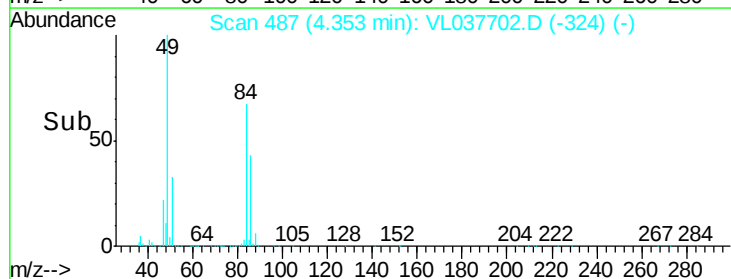
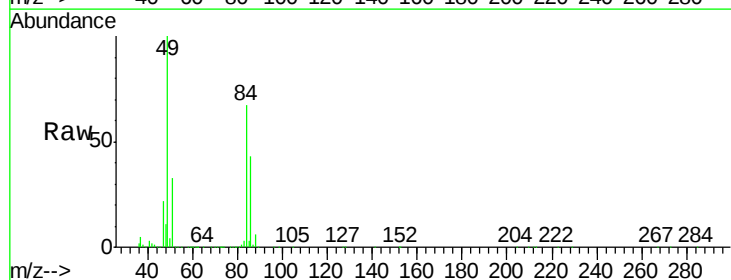
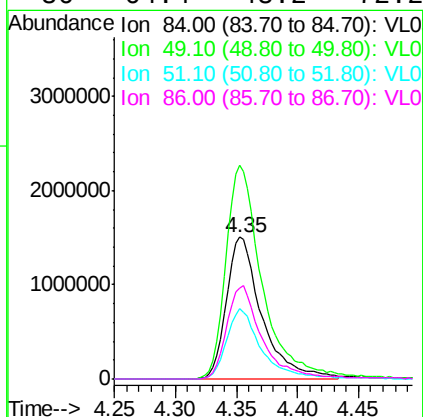
Ion Ratio Lower Upper

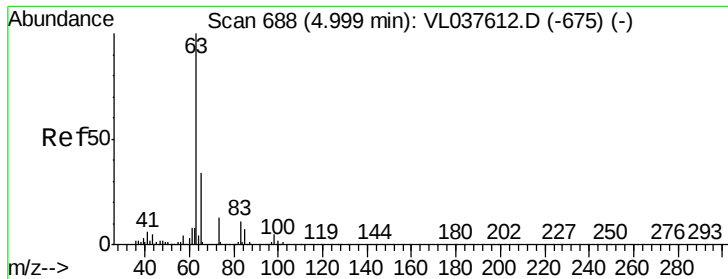
84 100

49 150.2 120.0 180.0

51 49.3 38.0 57.0

86 64.4 48.2 72.2





#24

1,1-Dichloroethane

Concen: 2.251 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.02 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Instrument :

MSVOA_L

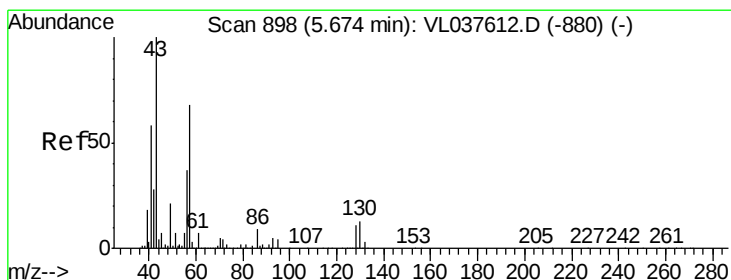
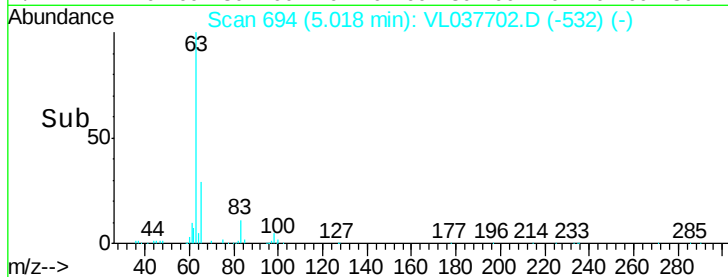
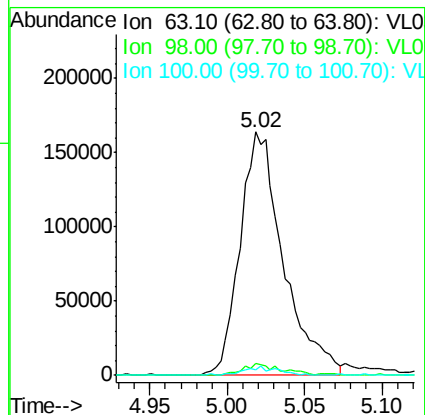
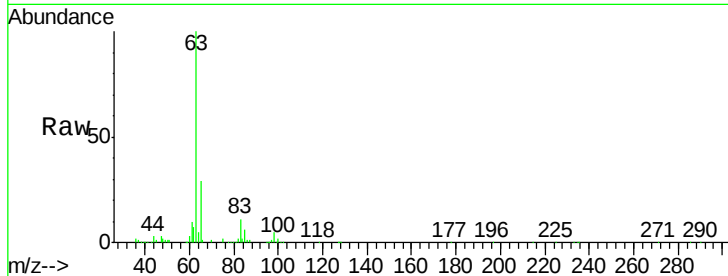
ClientSampleId :

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Tgt Ion:	63	Resp:	318797
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.4	7.2
100	2.1	1.1	3.5

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#26

Hexane

Concen: 26.341 ppbv

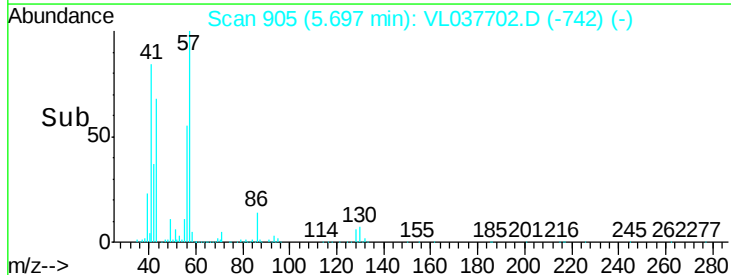
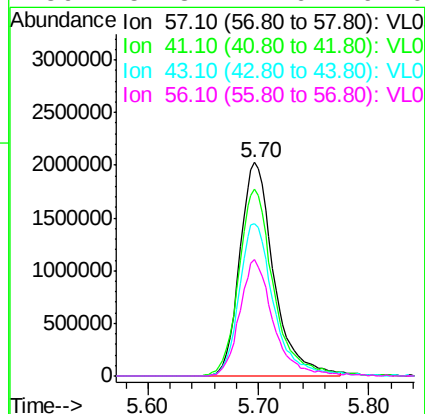
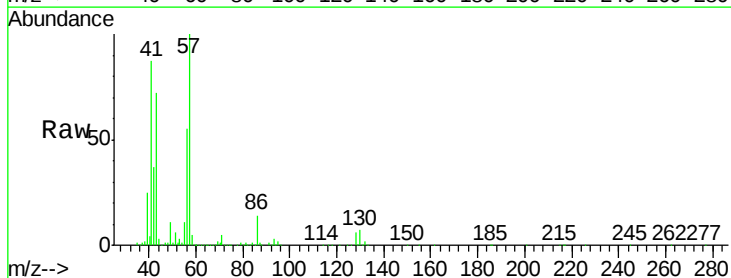
RT: 5.70 min Scan# 905

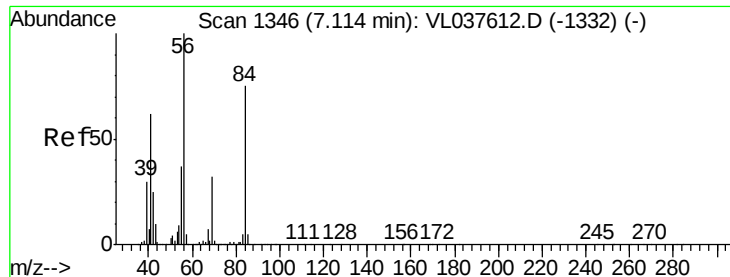
Delta R.T. 0.02 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Tgt Ion:	57	Resp:	4330319
Ion Ratio	Lower	Upper	
57	100		
41	90.5	70.9	106.3
43	72.5	170.4	255.6#
56	54.3	42.6	64.0





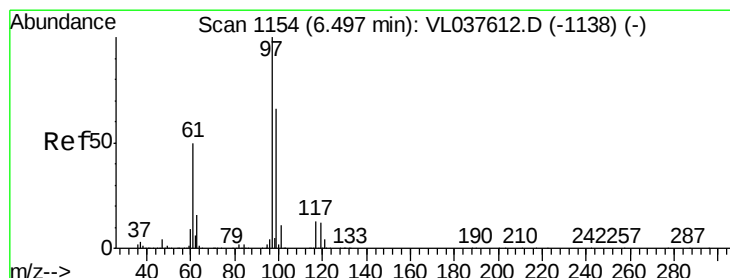
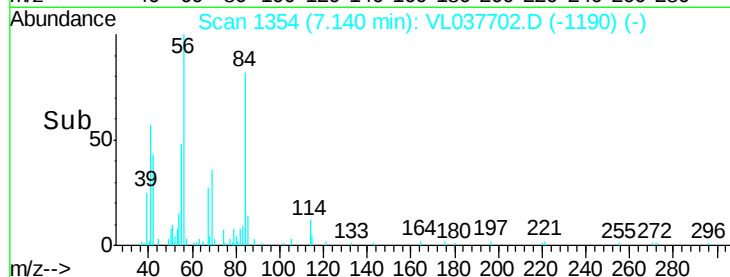
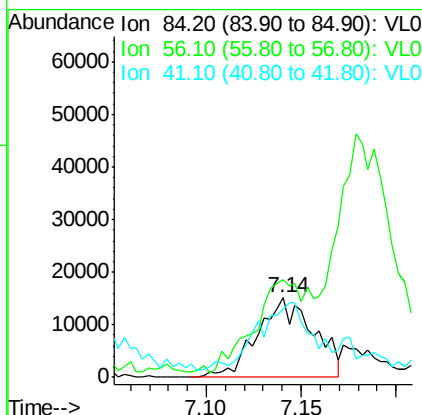
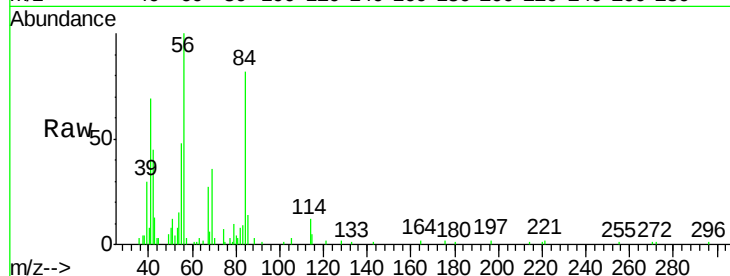
#30
Cyclohexane
Concen: 0.221 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.6	170.4#
41	99.4	67.9	101.9

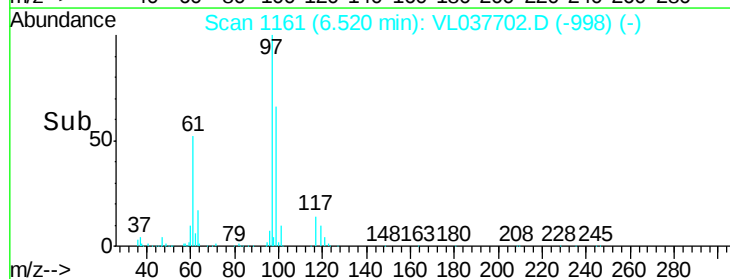
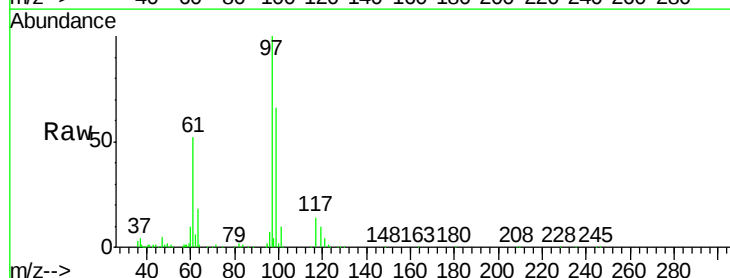
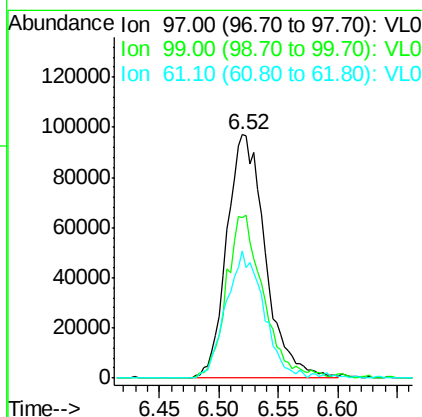
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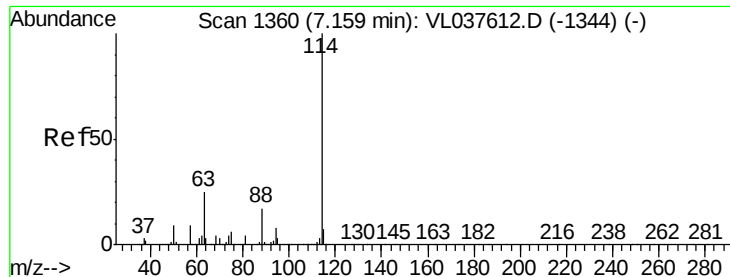
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#32
1,1,1-Trichloroethane
Concen: 0.976 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	51.2	39.5	59.3





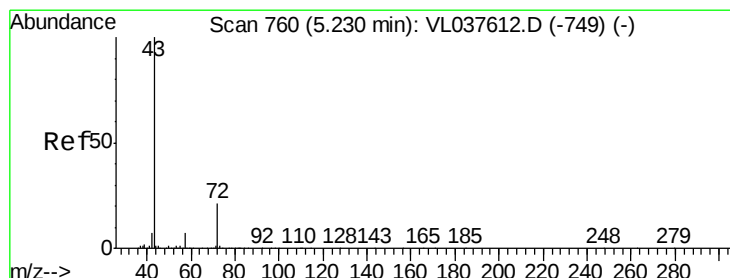
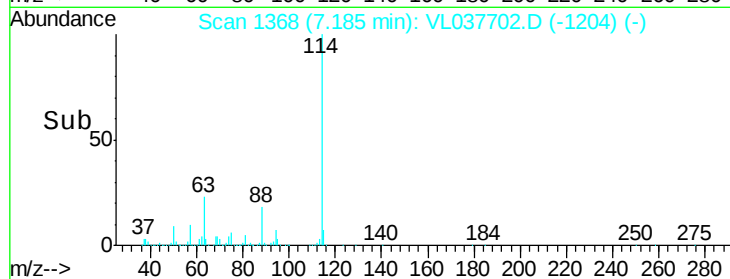
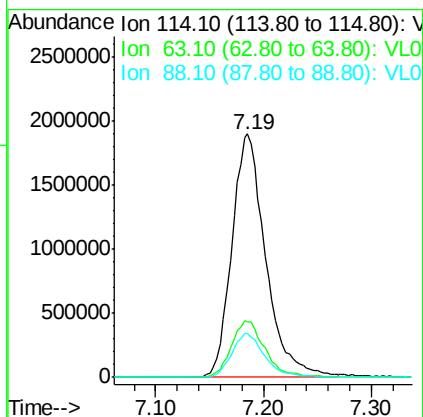
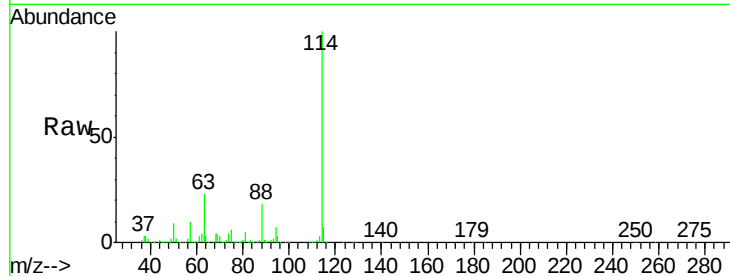
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Tgt Ion: 114 Resp: 4141709
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.6 29.4
 88 17.8 14.2 21.4

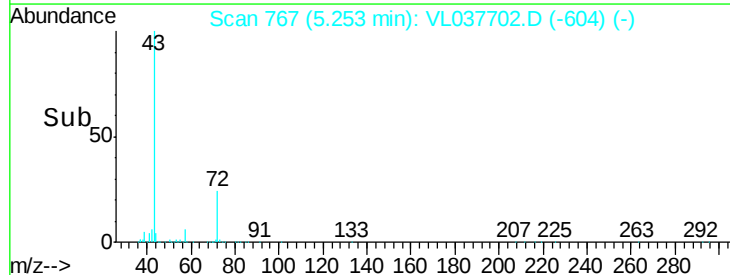
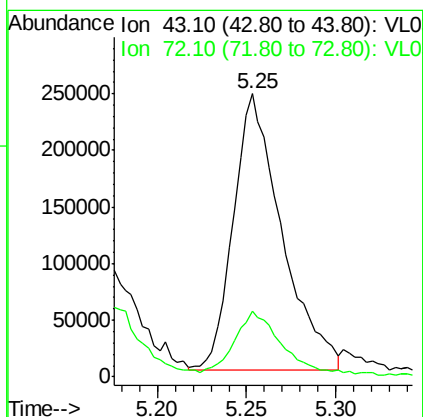
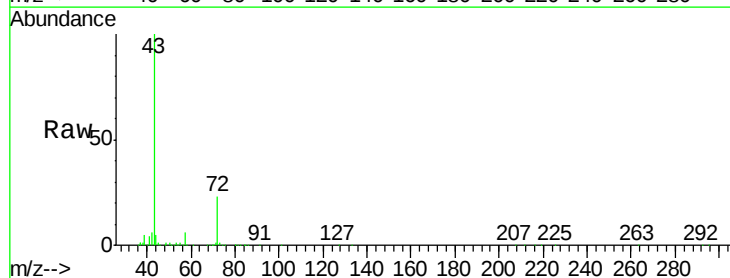
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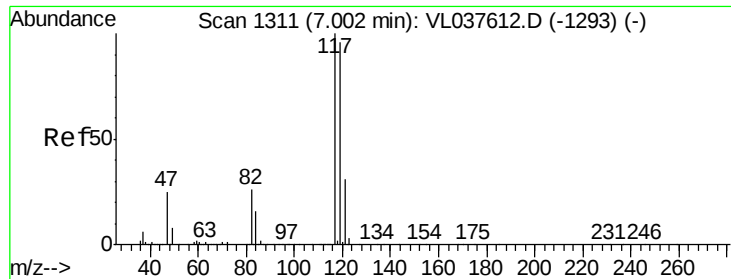
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#34
 2-Butanone
 Concen: 2.750 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037702.D
 Acq: 28 Sep 2021 15:00

Tgt Ion: 43 Resp: 462883
 Ion Ratio Lower Upper
 43 100
 72 25.4 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.031 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Instrument :

MSVOA_L

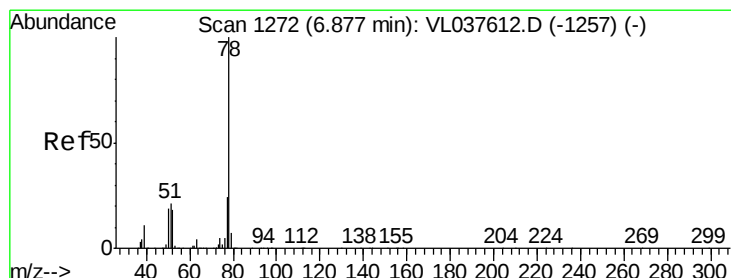
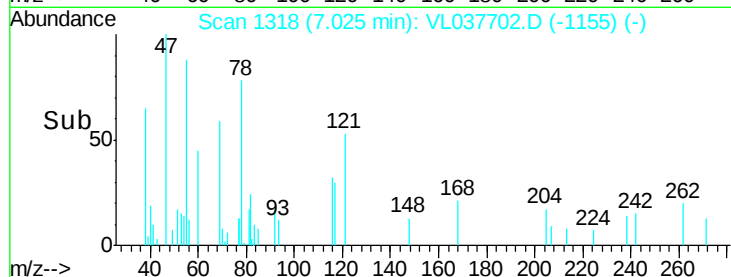
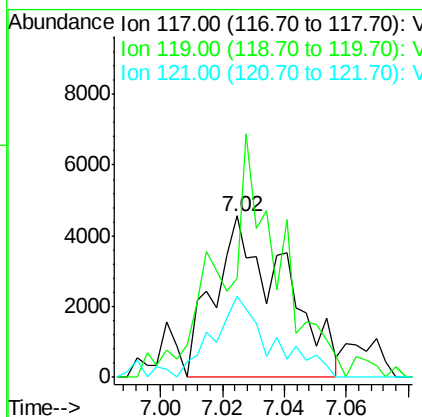
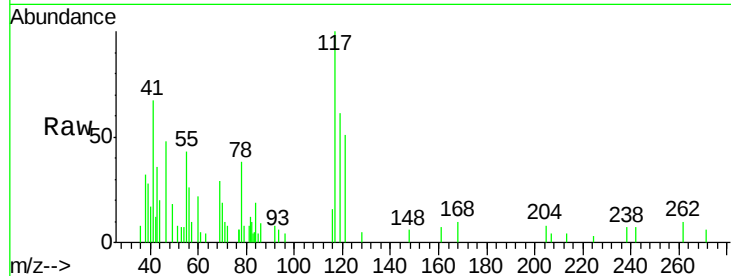
ClientSampled :

EFFLUENT

Tgt Ion:	117	Resp:	7202
Ion Ratio	Lower	Upper	
117	100		
119	61.3	77.0	115.6#
121	50.6	24.5	36.7#

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#36

Benzene

Concen: 0.184 ppbv m

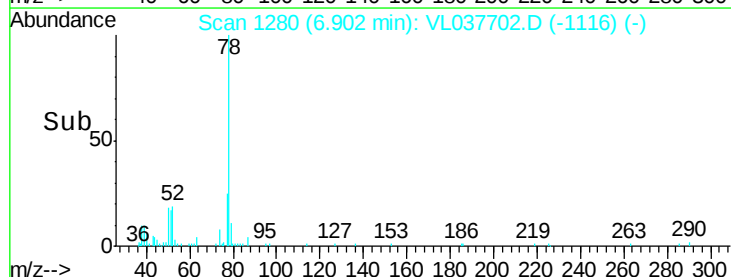
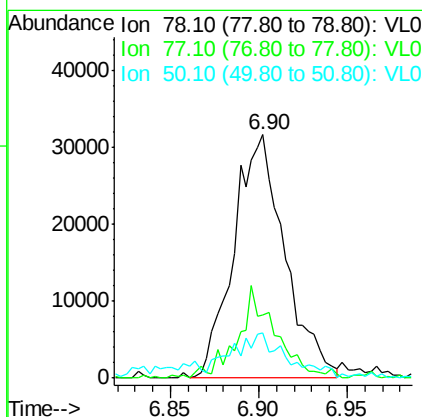
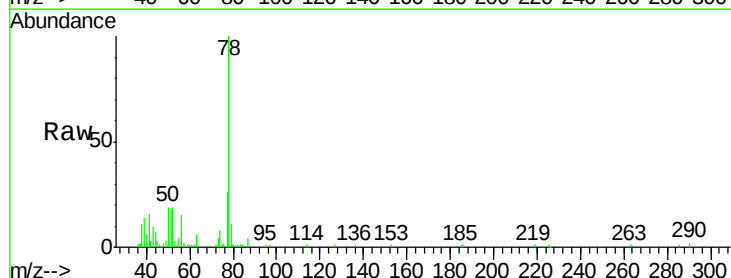
RT: 6.90 min Scan# 1280

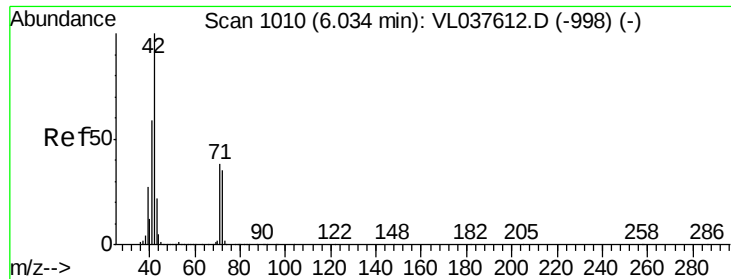
Delta R.T. 0.03 min

Lab File: VL037702.D

Acq: 28 Sep 2021 15:00

Tgt Ion:	78	Resp:	63669
Ion Ratio	Lower	Upper	
78	100		
77	25.8	19.0	28.4
50	18.8	14.8	22.2





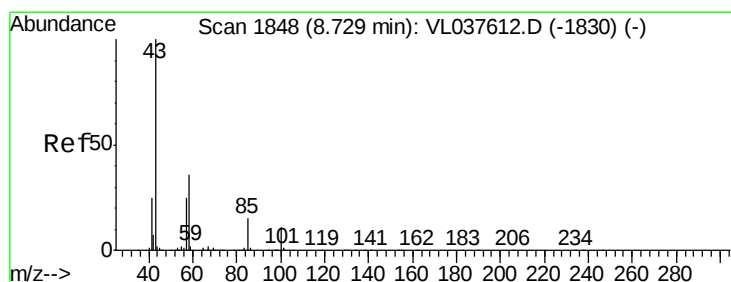
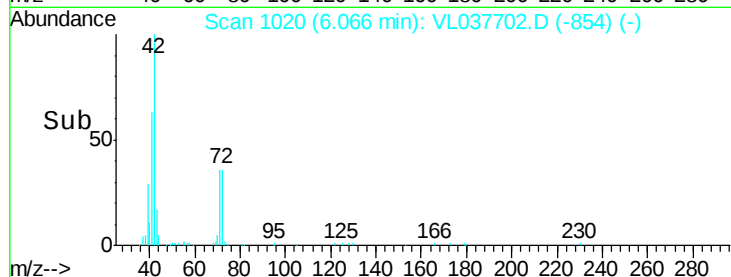
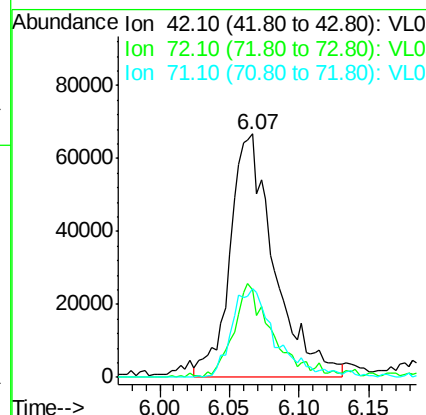
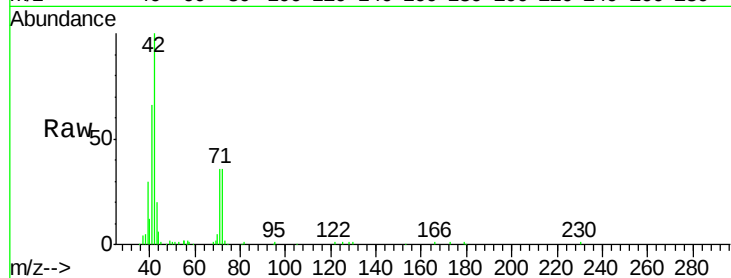
#41
Tetrahydrofuran
Concen: 1.866 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.03 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	31.4	47.2
71	37.3	30.6	46.0

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#50
4-Methyl-2-Pentanone
Concen: 0.130 ppbv m
RT: 8.76 min Scan# 1858
Delta R.T. 0.03 min
Lab File: VL037702.D
Acq: 28 Sep 2021 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.1	29.4	44.2

