

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037718.D
 Acq On : 29 Sep 2021 1:03
 Operator : SY/AP
 Sample : M3948-05DL2 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:43:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 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	5.67	49	1360538	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3999063	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3369232	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2323510	9.54	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

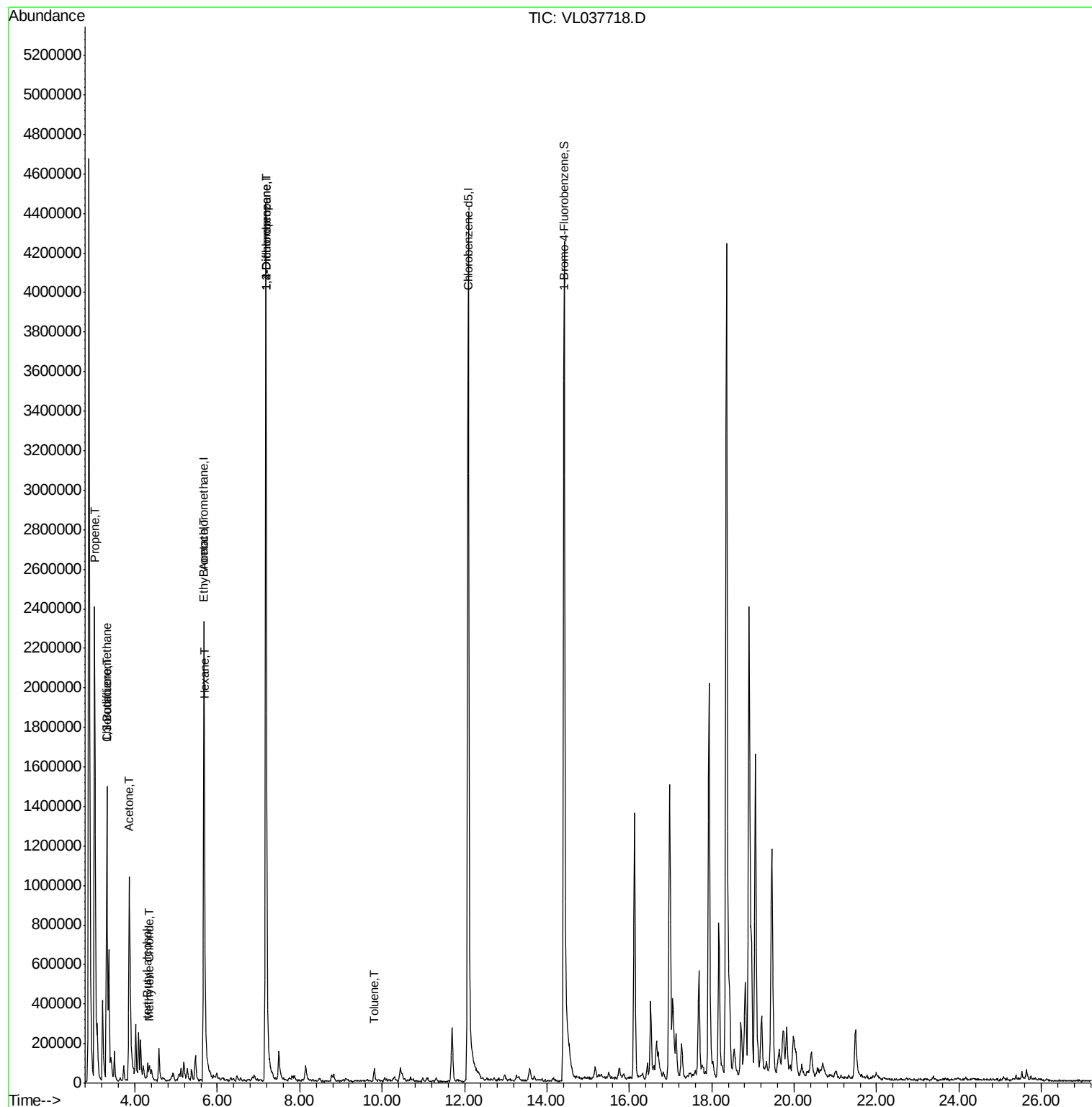
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.32	51	78646	0.306	ppbv #	61
9) Propene	3.02	41	1382587	15.273	ppbv	90
15) Acetone	3.86	43	1615701	11.430	ppbv	99
16) 1,3-Butadiene	3.32	39	478352	5.416	ppbv #	27
17) tert-Butyl alcohol	4.32	59	3831	0.032	ppbv #	72
20) Methylene Chloride	4.35	84	16748	0.248	ppbv	86
25) Ethyl Acetate	5.69	43	14296	0.042	ppbv #	85
26) Hexane	5.69	57	31849	0.196	ppbv #	31
39) 1,2-Dichloropropane	7.18	63	941671	7.373	ppbv #	27
53) Toluene	9.81	91	42597	0.115	ppbv	96

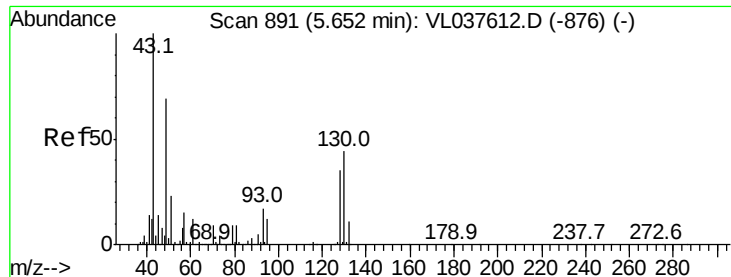
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092821\
Data File : VL037718.D
Acq On : 29 Sep 2021 1:03
Operator : SY/AP
Sample : M3948-05DL2 80X
Misc : 400mL/MSVOA L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 29 03:43:15 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 1:03

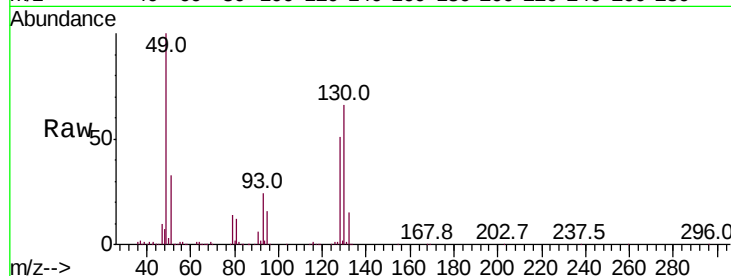
Tot Ion: 49 Resp: 1360538

Ion Ratio Lower Upper

49 100

128 51.9 27.9 83.6

130 66.8 33.9 101.7



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

5.67

600000

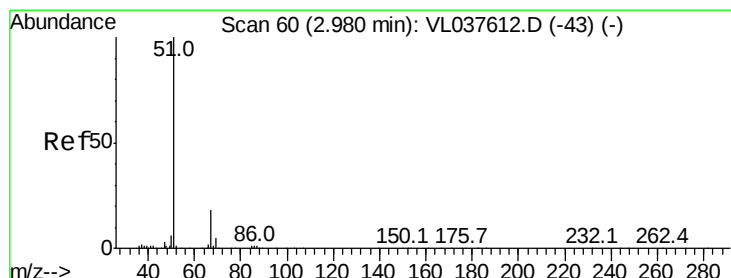
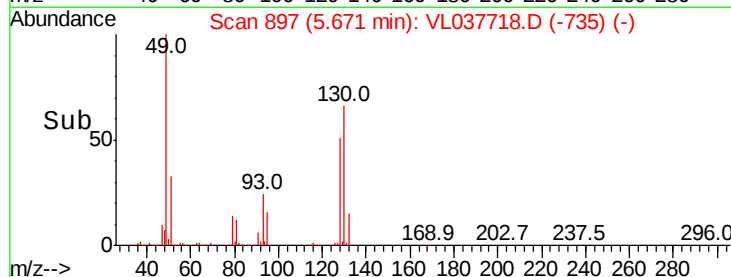
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.306 ppbv

RT: 3.32 min Scan# 165

Delta R.T. 0.34 min

Lab File: VL037718.D

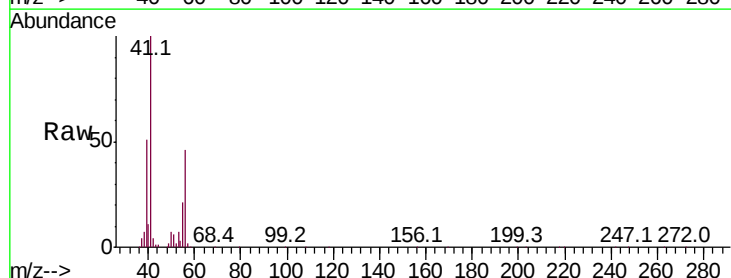
Acq: 29 Sep 2021 1:03

Tgt Ion: 51 Resp: 78646

Ion Ratio Lower Upper

51 100

67 0.3 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.32

30000

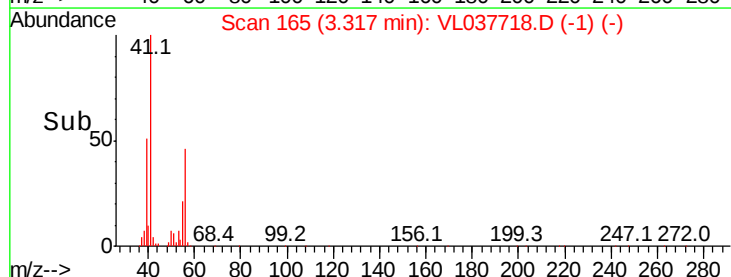
20000

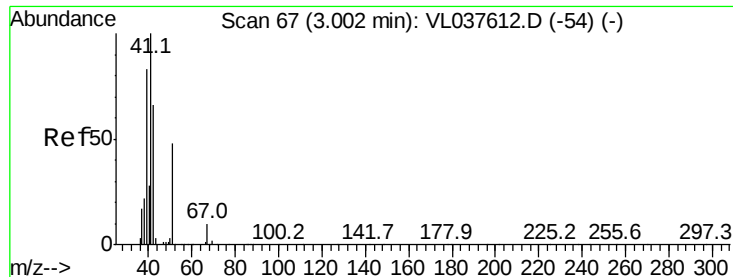
10000

0

3.30 3.40

Time-->





#9

Propene

Concen: 15.273 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

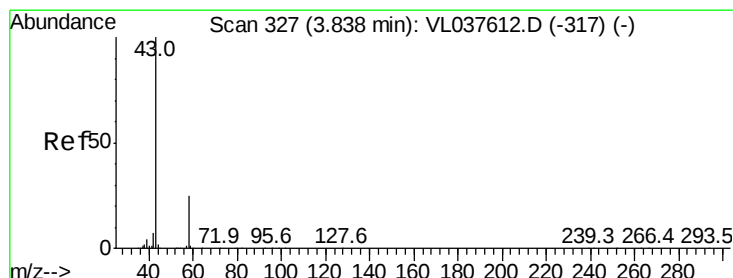
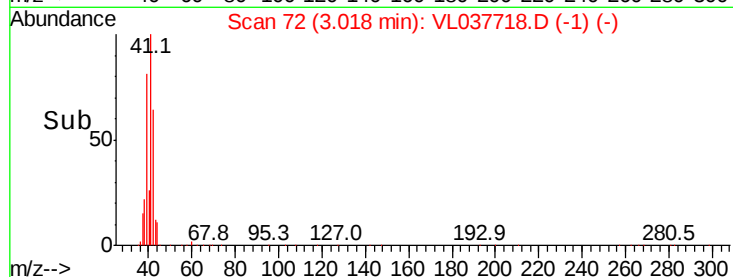
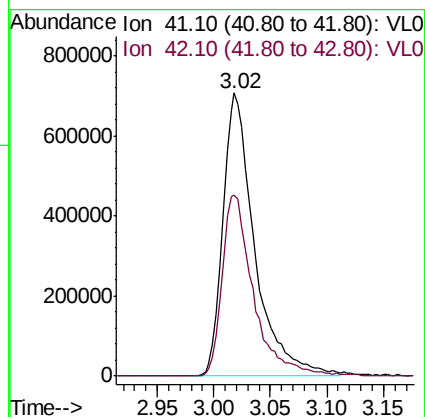
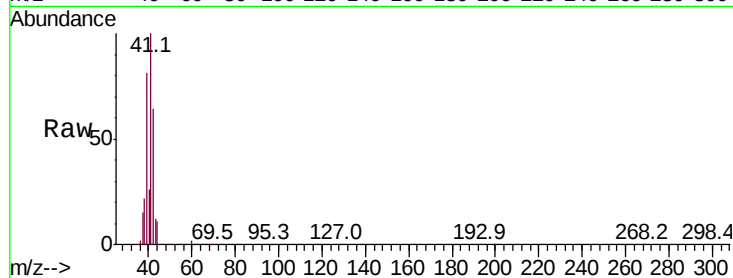
Acq: 29 Sep 2021 1:03

Tot Ion: 41 Resp: 1382587

Ion Ratio Lower Upper

41 100

42 63.3 57.2 85.8



#15

Acetone

Concen: 11.430 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037718.D

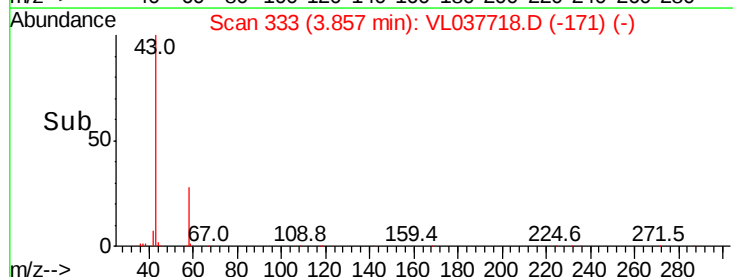
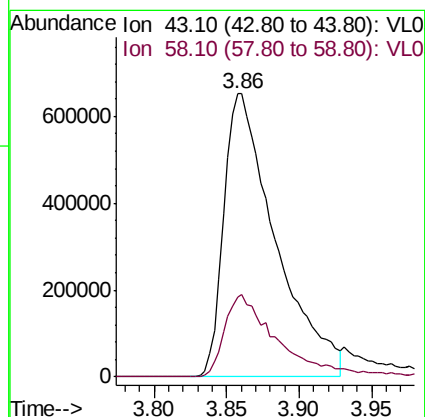
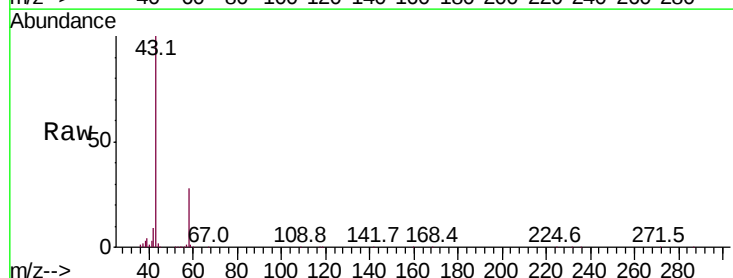
Acq: 29 Sep 2021 1:03

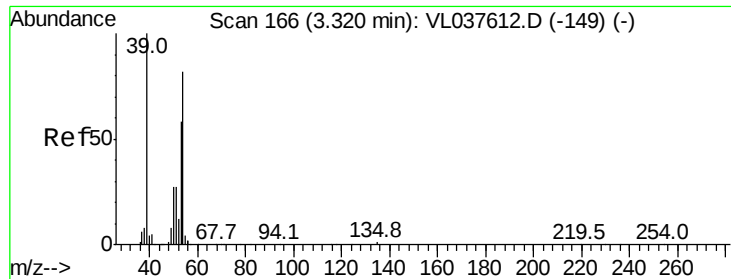
Tgt Ion: 43 Resp: 1615701

Ion Ratio Lower Upper

43 100

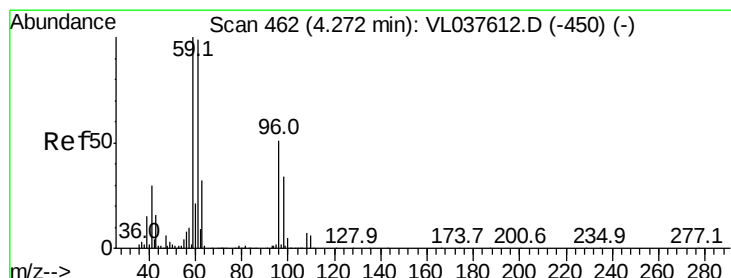
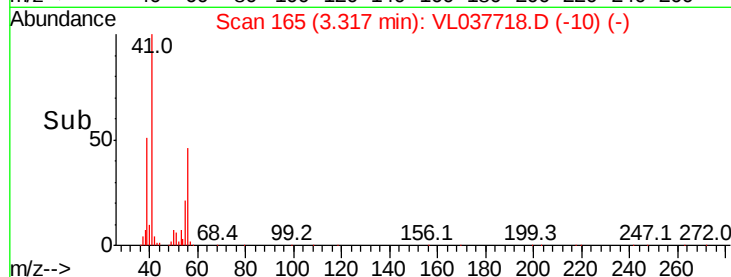
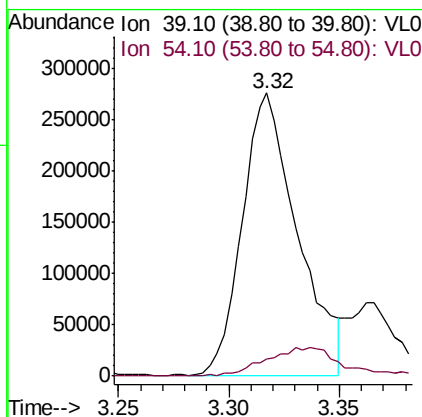
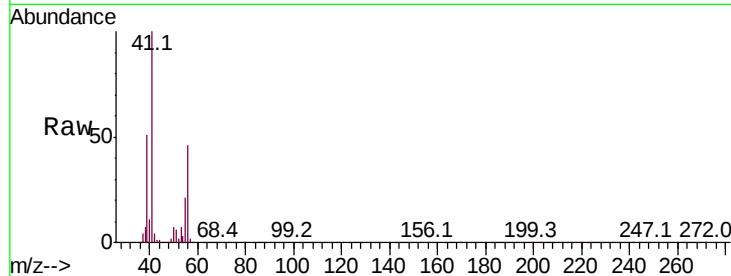
58 31.5 24.9 37.3





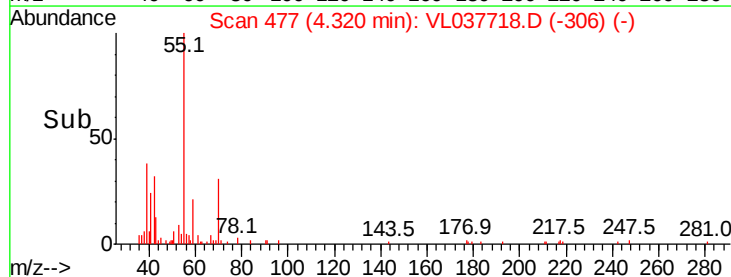
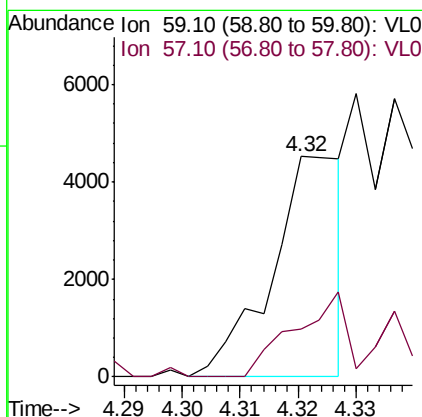
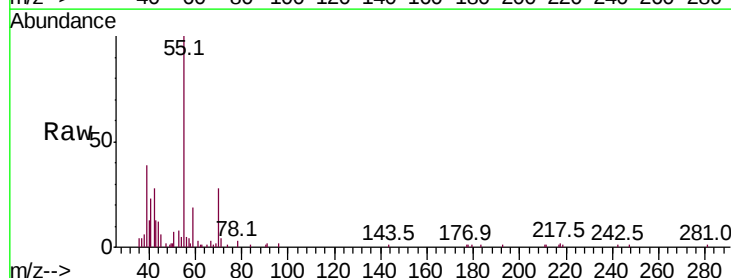
#16
 1,3-Butadiene
 Concen: 5.416 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Sep 2021 1:03

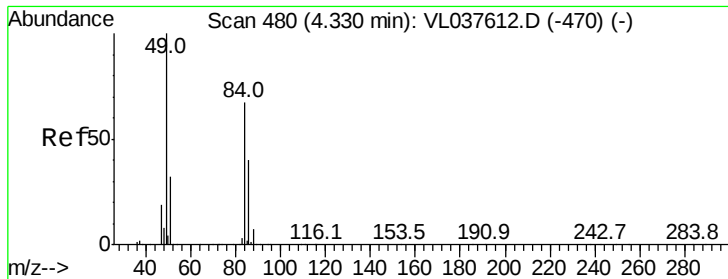
Tot Ion: 39 Resp: 478352
 Ion Ratio Lower Upper
 39 100
 54 14.2 62.6 93.8#



#17
 tert-Butyl alcohol
 Concen: 0.032 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.05 min
 Lab File: VL037718.D
 Acq: 29 Sep 2021 1:03

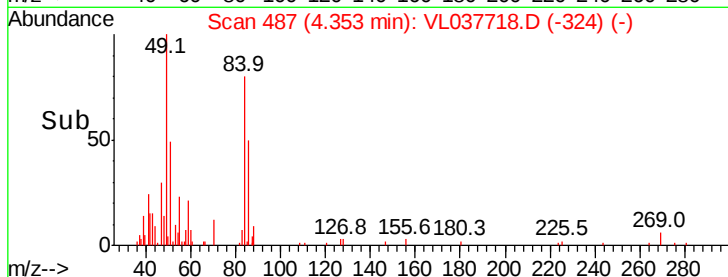
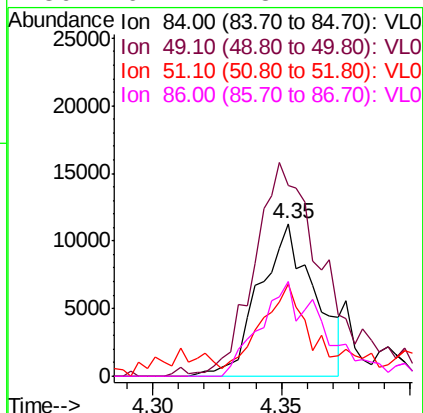
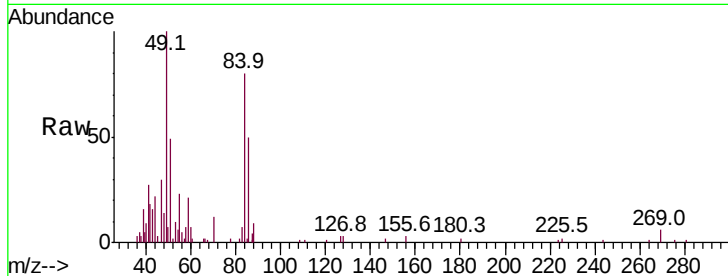
Tgt Ion: 59 Resp: 3831
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





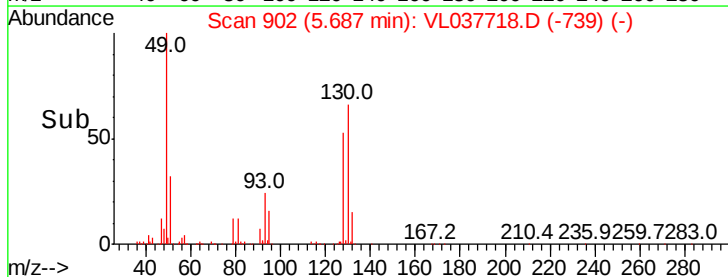
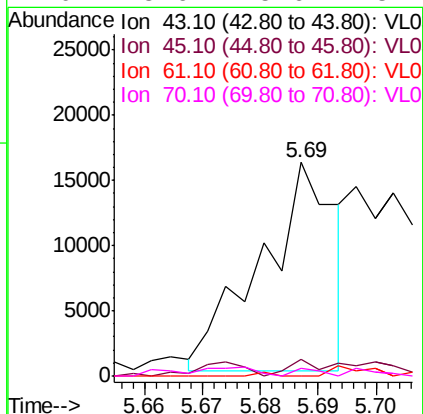
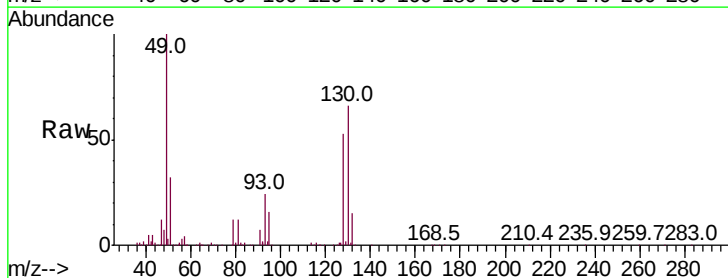
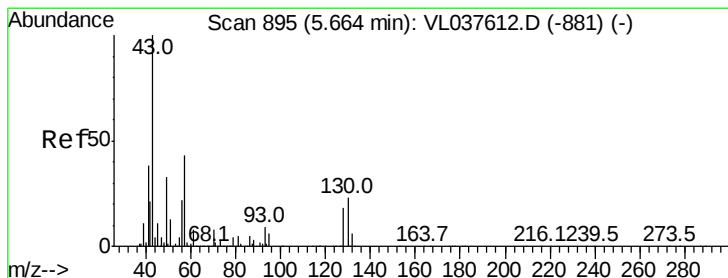
#20
Methylene Chloride
Concen: 0.248 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Sep 2021 1:03

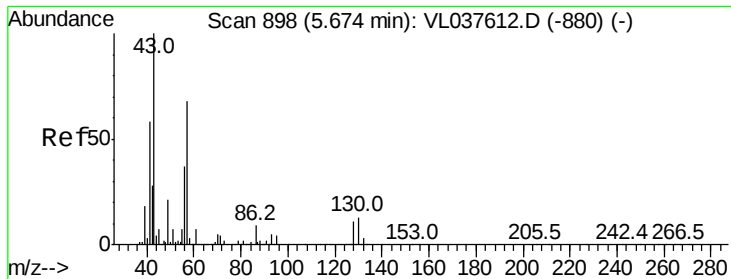
Tot Ion:	84	Resp:	16748
Ion	Ratio	Lower	Upper
84	100		
49	123.2	120.0	180.0
51	51.7	38.0	57.0
86	62.2	48.2	72.2



#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.02 min
Lab File: VL037718.D
Acq: 29 Sep 2021 1:03

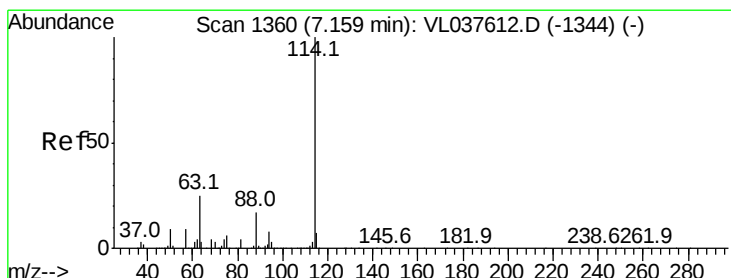
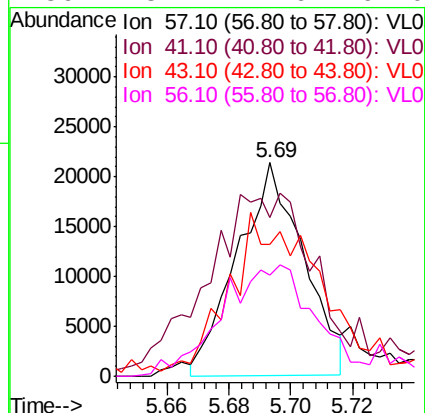
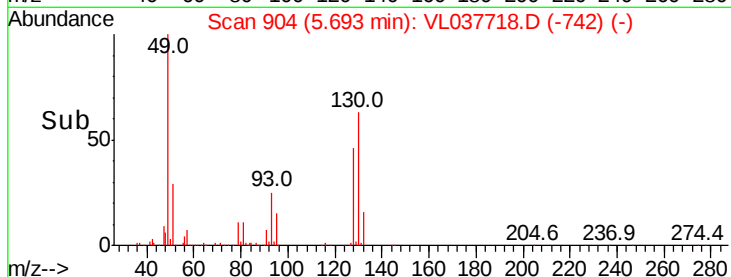
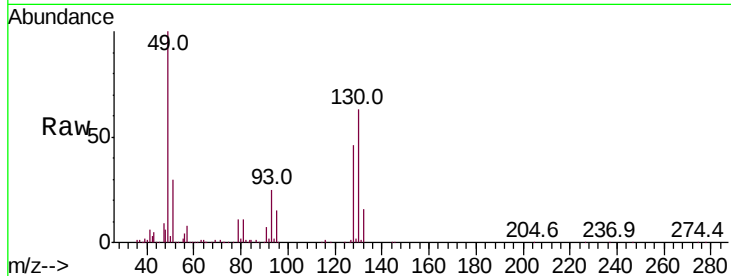
Tgt Ion:	43	Resp:	14296
Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.0	12.0#
61	0.0	7.5	11.3#
70	5.6	5.6	8.4#





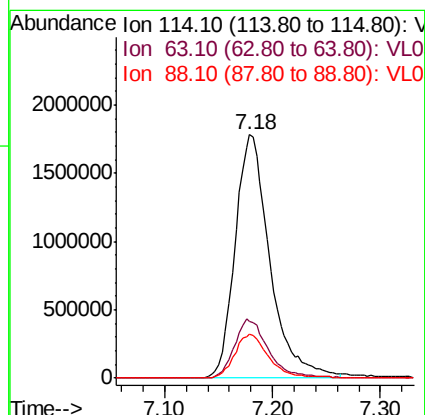
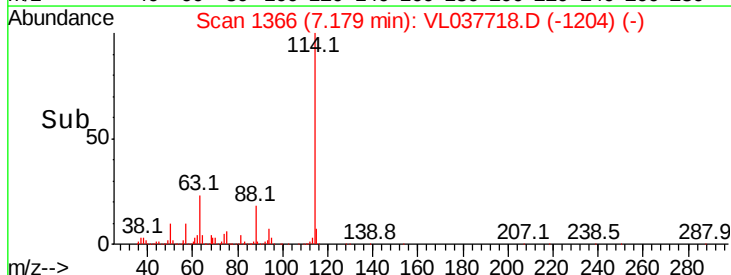
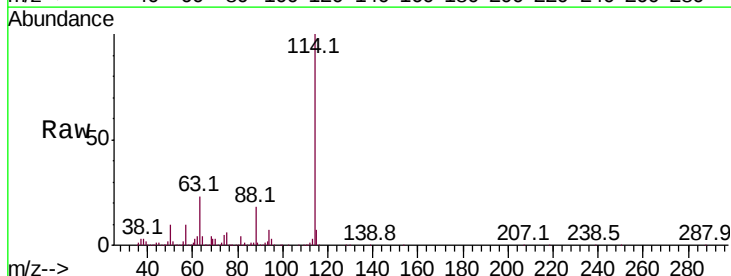
#26
Hexane
Concen: 0.196 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Sep 2021 1:03

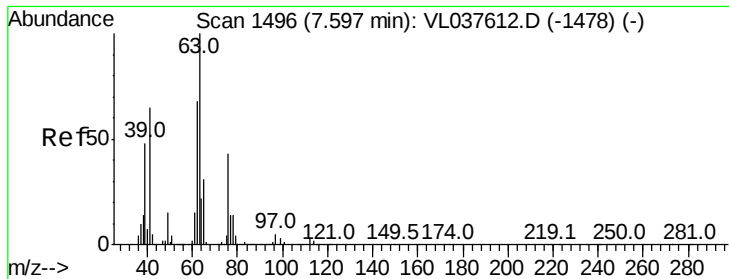
Tot Ion:	57	Resp:	31849
Ion	Ratio	Lower	Upper
57	100		
41	166.9	70.9	106.3#
43	100.8	170.4	255.6#
56	78.7	42.6	64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T.: 0.02 min
Lab File: VL037718.D
Acq: 29 Sep 2021 1:03

Tgt Ion:	114	Resp:	3999063
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.373 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 1:03

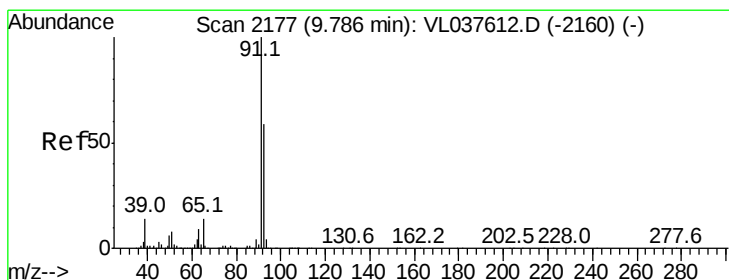
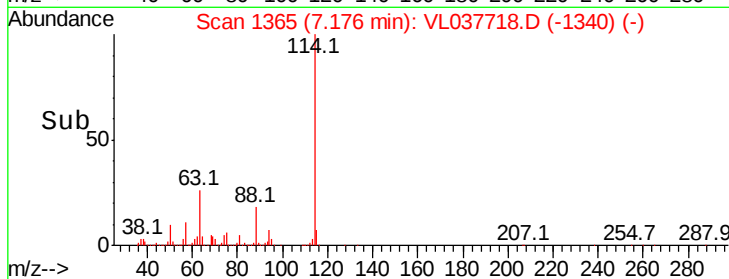
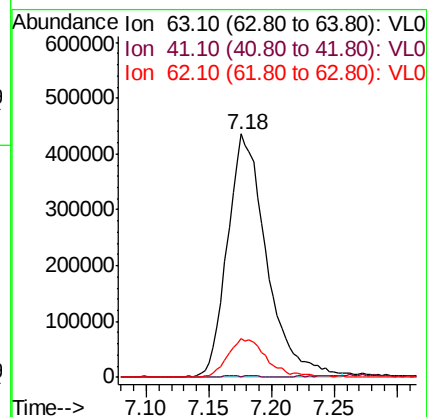
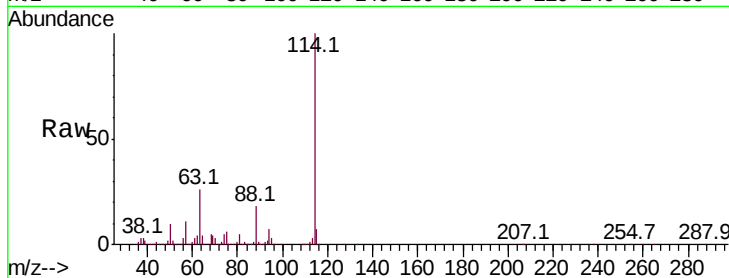
Tot Ion: 63 Resp: 941671

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

62 15.7 54.6 81.8#



#53

Toluene

Concen: 0.115 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037718.D

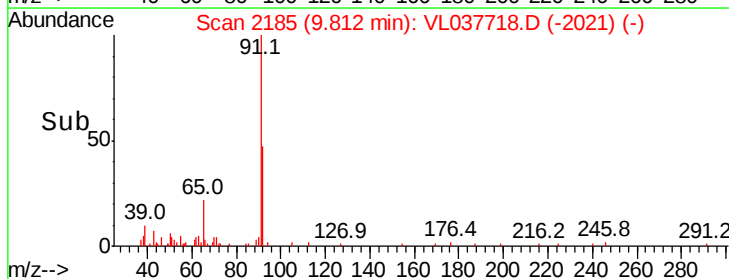
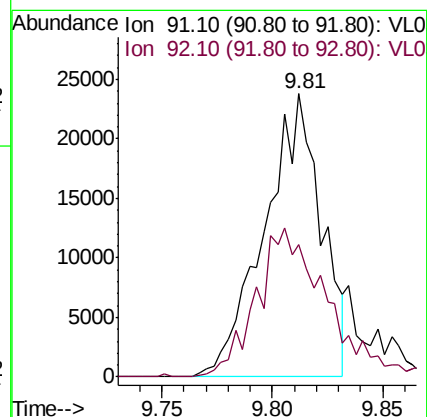
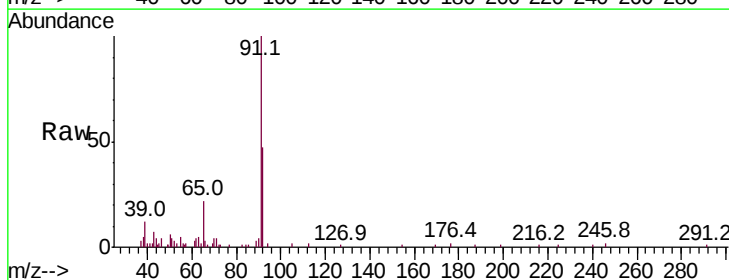
Acq: 29 Sep 2021 1:03

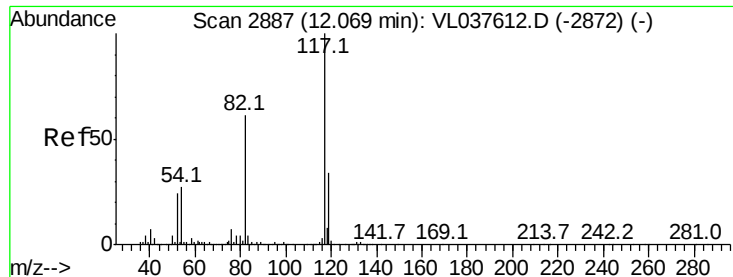
Tgt Ion: 91 Resp: 42597

Ion Ratio Lower Upper

91 100

92 64.0 48.9 73.3

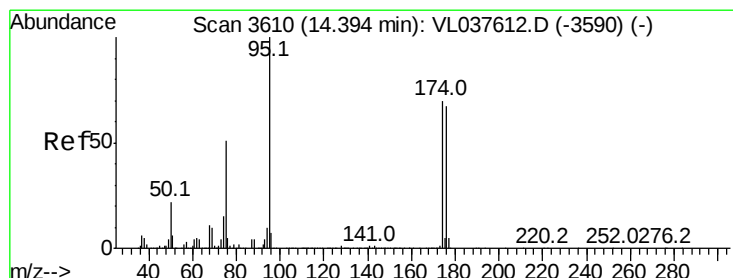
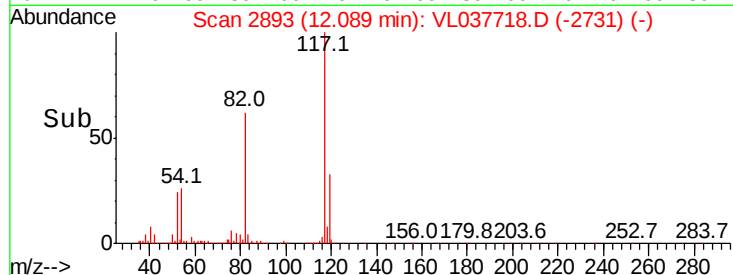
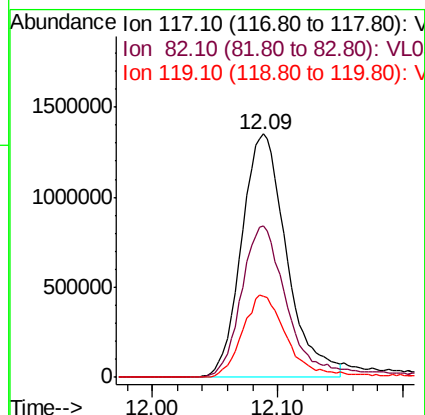
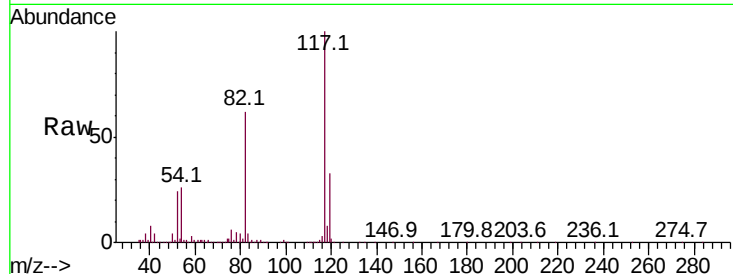




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Sep 2021 1:03

Tot Ion: 117 Resp: 3369232

Ion	Ratio	Lower	Upper
117	100		
82	66.2	50.6	75.8
119	35.2	26.2	39.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.542 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.02 min
 Lab File: VL037718.D
 Acq: 29 Sep 2021 1:03

Tgt Ion: 95 Resp: 2323510

Ion	Ratio	Lower	Upper
95	100		
174	81.3	56.3	84.5
175	5.9	4.4	6.6

