

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037993.D
 Acq On : 10 Nov 2021 00:04
 Operator : SY/AP
 Sample : M4555-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:50:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1445517	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4097736	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3485860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2400064	9.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

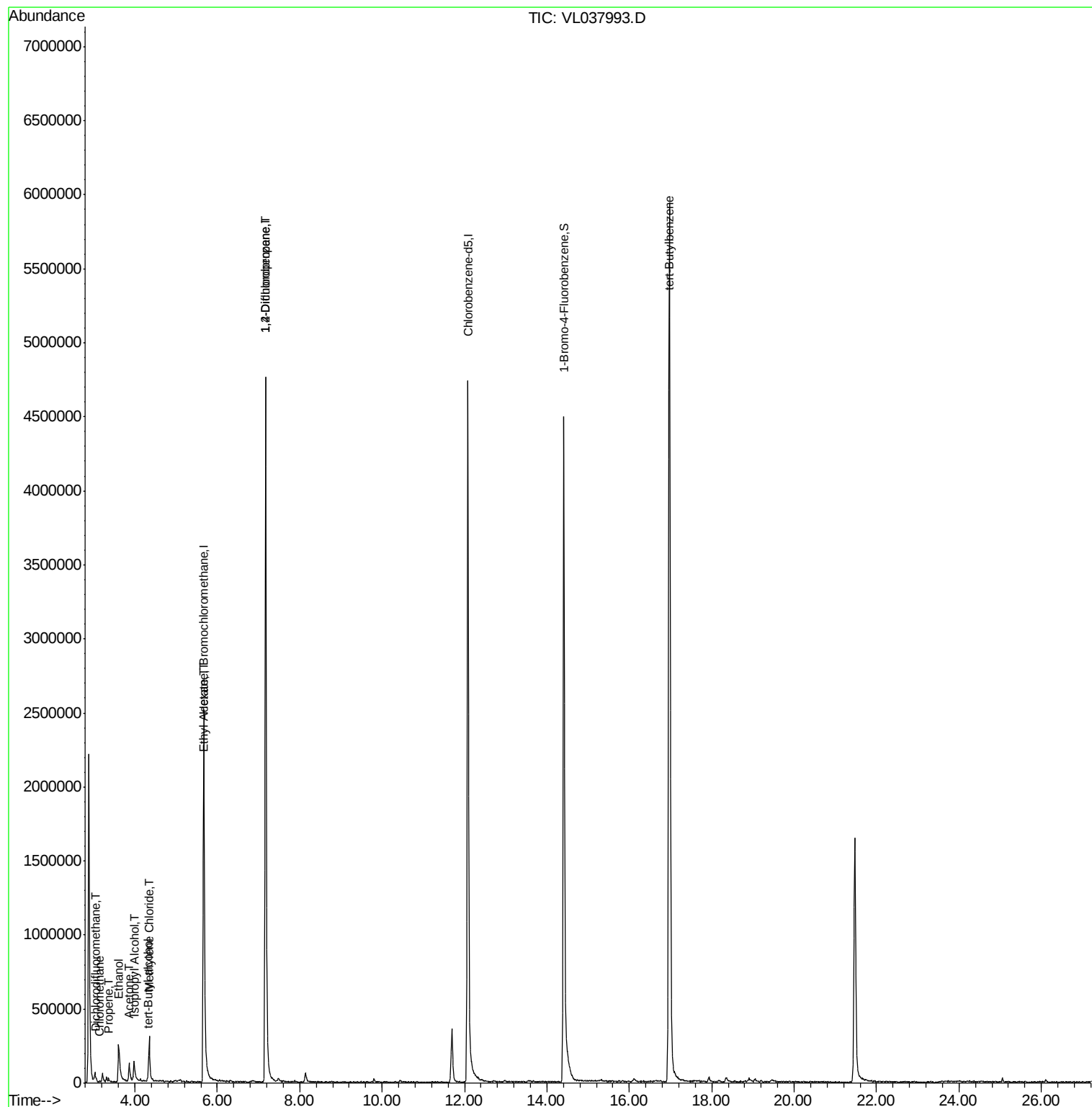
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	8680	0.043	ppbv	95
4) Chloromethane	3.14	50	5012	0.049	ppbv #	59
9) Propene	3.36	41	6852	0.071	ppbv	92
13) Ethanol	3.61	45	368774	37.888	ppbv	98
15) Acetone	3.86	43	143432	1.201	ppbv	89
17) tert-Butyl alcohol	4.31	59	19765	0.159	ppbv #	91
19) Isopropyl Alcohol	3.97	45	152526	1.997	ppbv	99
20) Methylene Chloride	4.34	84	116673	1.779	ppbv	88
25) Ethyl Acetate	5.69	43	67784	0.191	ppbv #	82
26) Hexane	5.68	57	80297	0.478	ppbv #	46
39) 1,2-Dichloropropane	7.17	63	943078	7.511	ppbv #	27
65) tert-Butylbenzene	16.97	119	48151	0.108	ppbv #	36

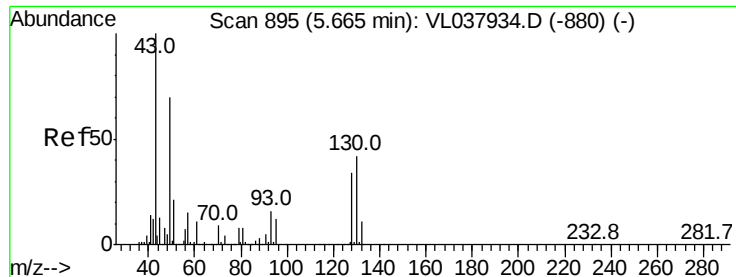
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110921\
Data File : VL037993.D
Acq On : 10 Nov 2021 00:04
Operator : SY/AP
Sample : M4555-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 10 04:50:13 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 00:04

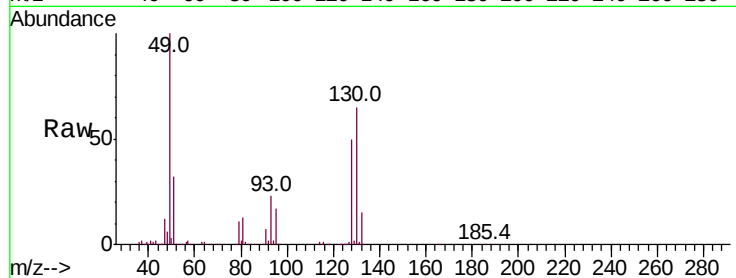
Tot Ion: 49 Resp: 1445517

Ion Ratio Lower Upper

49 100

128 53.0 27.0 81.0

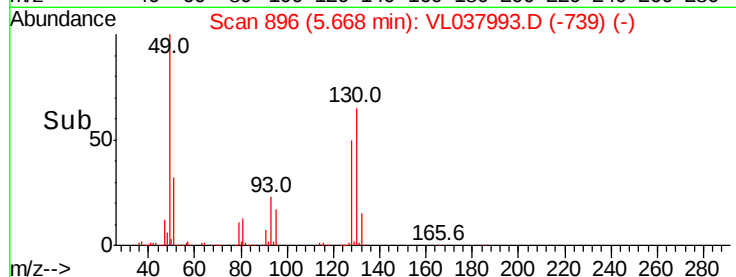
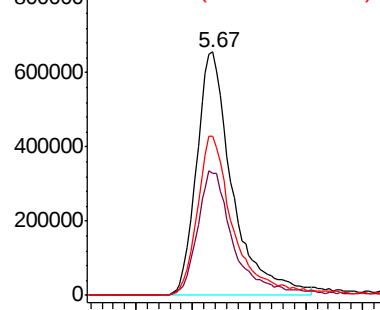
130 67.8 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.043 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037993.D

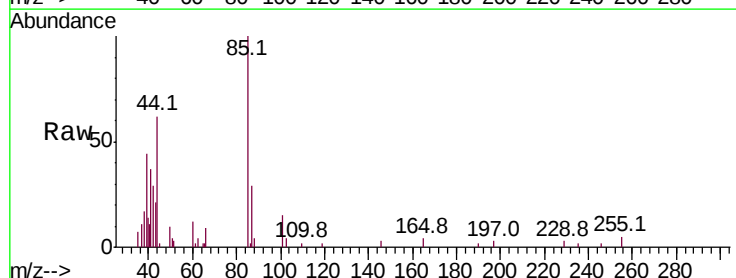
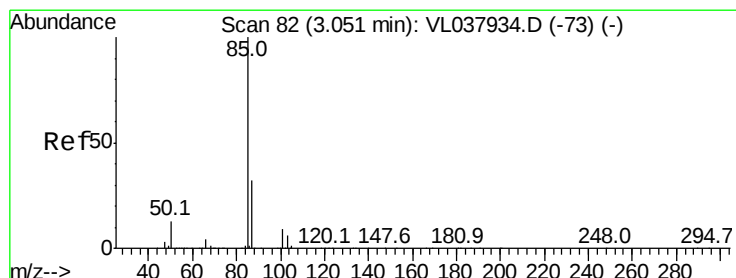
Acq: 10 Nov 2021 00:04

Tgt Ion: 85 Resp: 8680

Ion Ratio Lower Upper

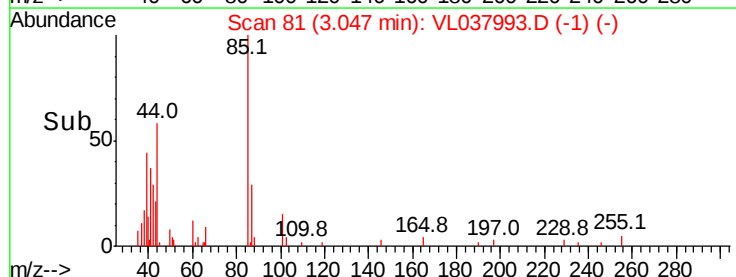
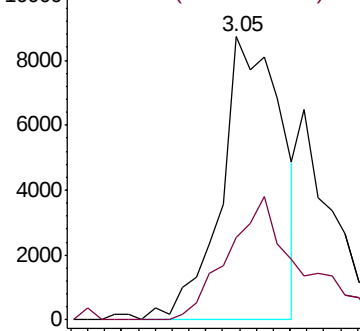
85 100

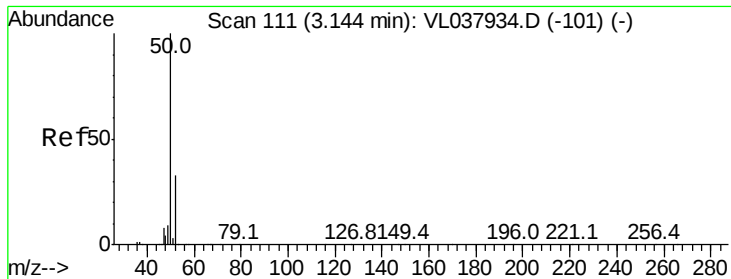
87 29.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.049 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

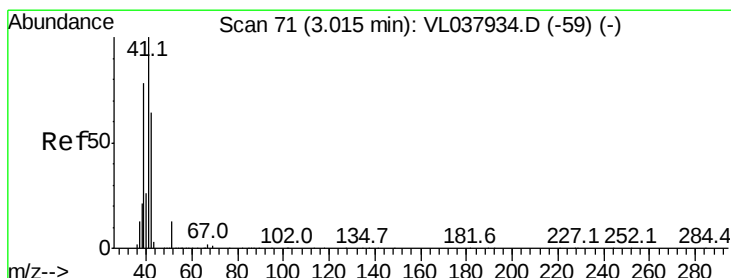
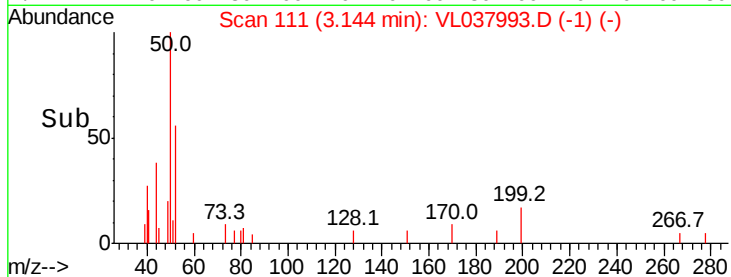
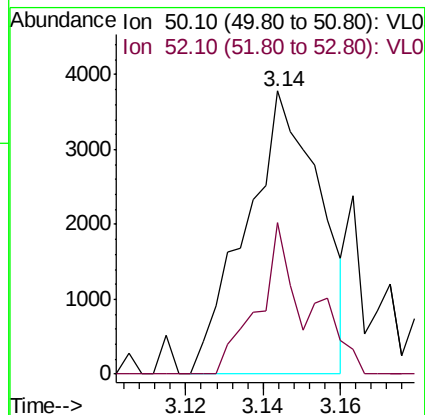
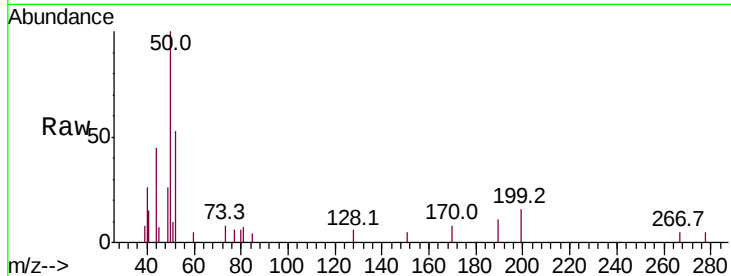
Acq: 10 Nov 2021 00:04

Tot Ion: 50 Resp: 5012

Ion Ratio Lower Upper

50 100

52 55.8 26.3 39.5#



#9

Propene

Concen: 0.071 ppbv

RT: 3.36 min Scan# 178

Delta R.T. 0.34 min

Lab File: VL037993.D

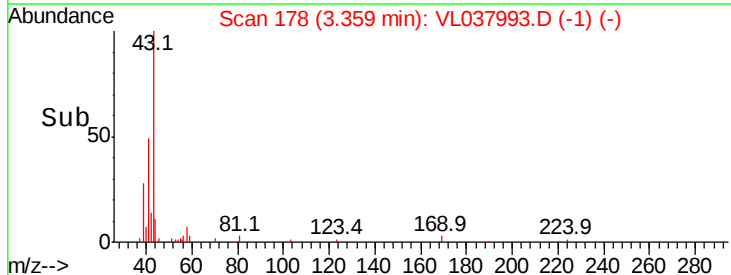
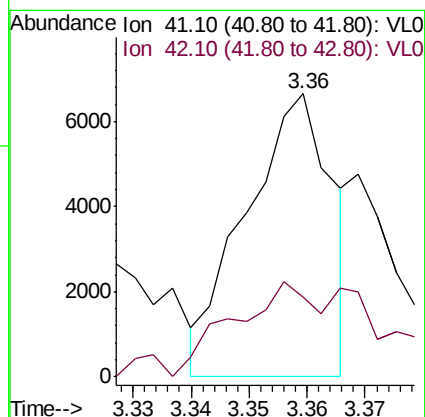
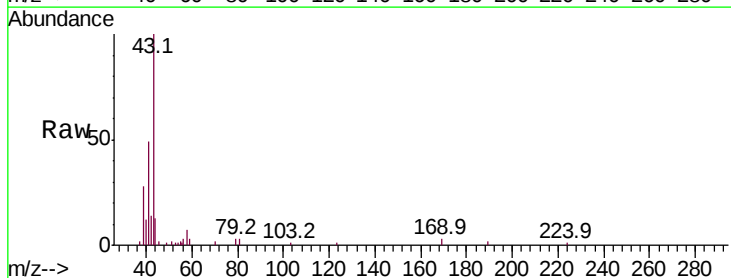
Acq: 10 Nov 2021 00:04

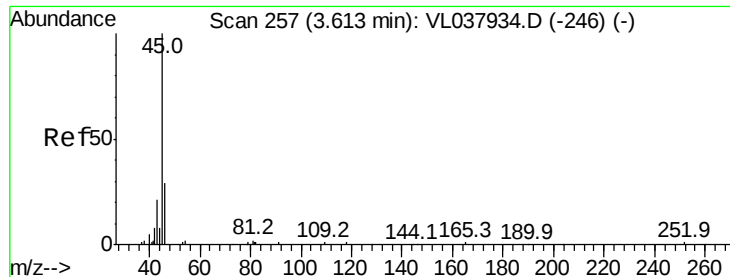
Tgt Ion: 41 Resp: 6852

Ion Ratio Lower Upper

41 100

42 65.3 57.6 86.4





#13

Ethanol

Concen: 37.888 ppbv

RT: 3.61

Delta R.T. MSVOA_L

Lab File:

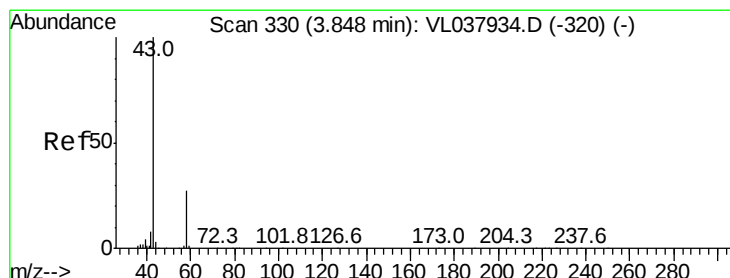
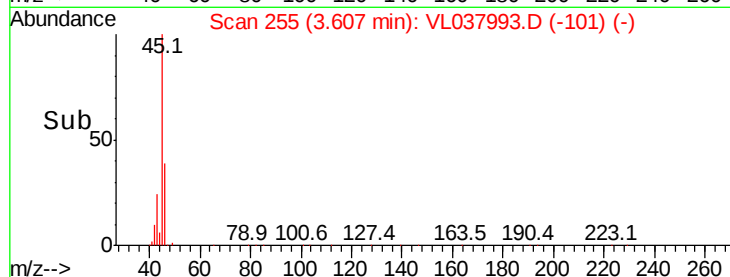
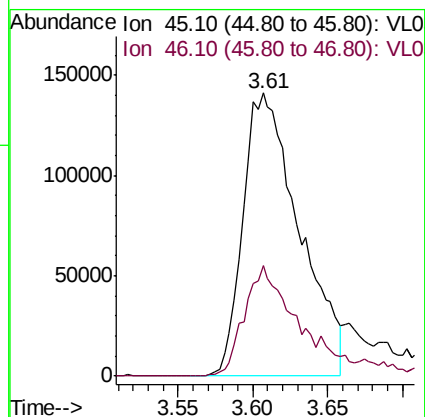
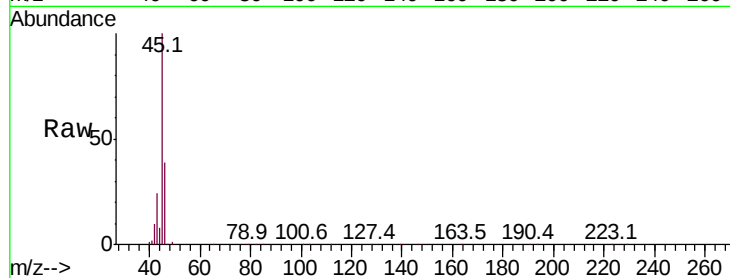
Acq: 10 Nov 2021 00:04

Tot Ion: 45 Resp: 368774

Ion Ratio Lower Upper

45 100

46 42.1 17.4 69.8



#15

Acetone

Concen: 1.201 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL037993.D

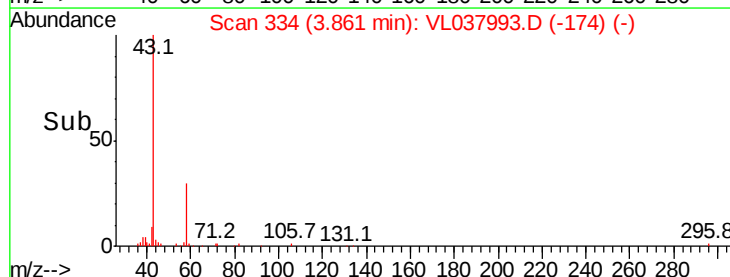
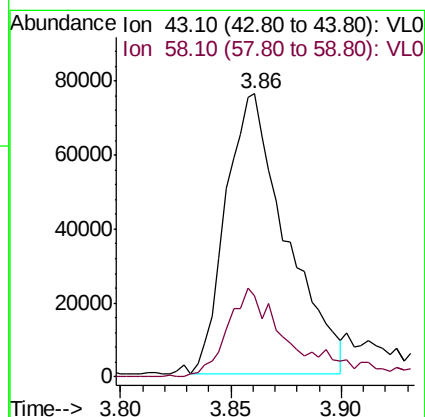
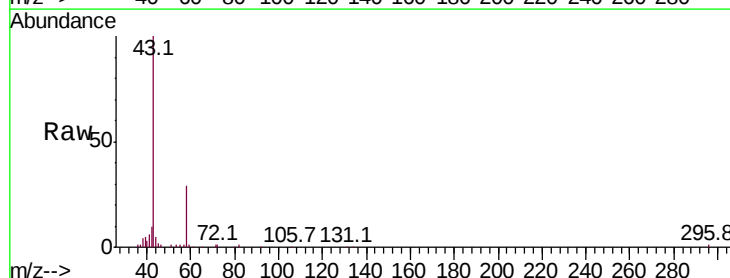
Acq: 10 Nov 2021 00:04

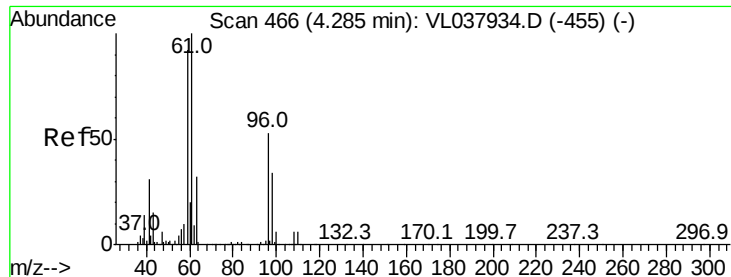
Tgt Ion: 43 Resp: 143432

Ion Ratio Lower Upper

43 100

58 34.9 23.3 34.9





#17

tert-Butyl alcohol

Concen: 0.159 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

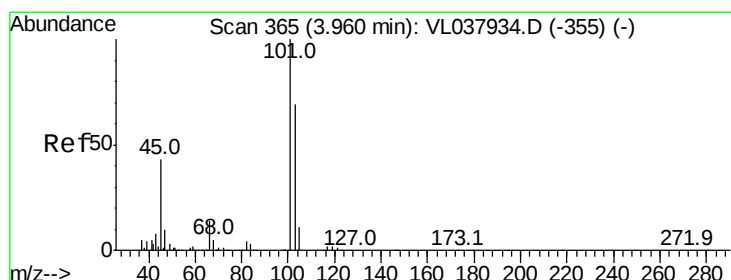
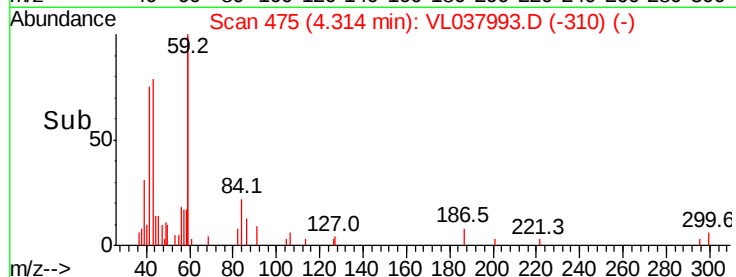
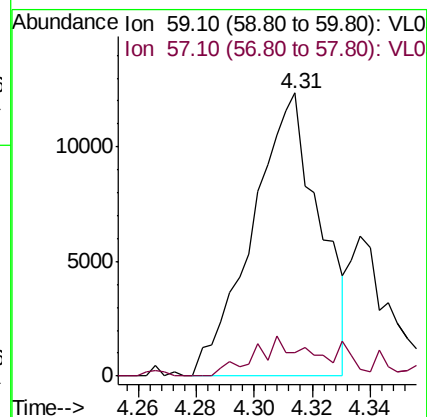
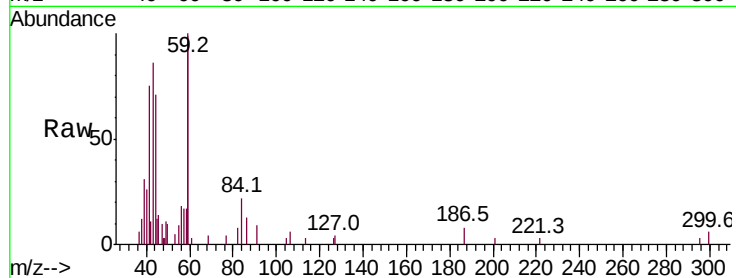
Acq: 10 Nov 2021 00:04

Tot Ion: 59 Resp: 19765

Ion Ratio Lower Upper

59 100

57 14.5 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 1.997 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL037993.D

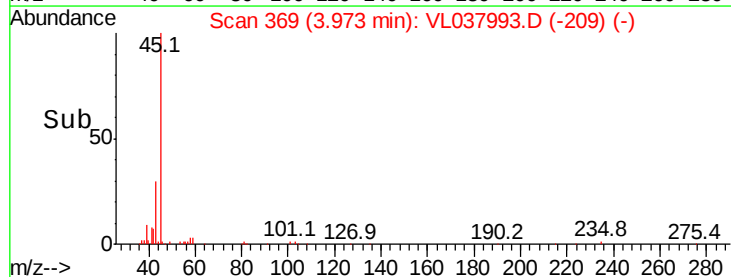
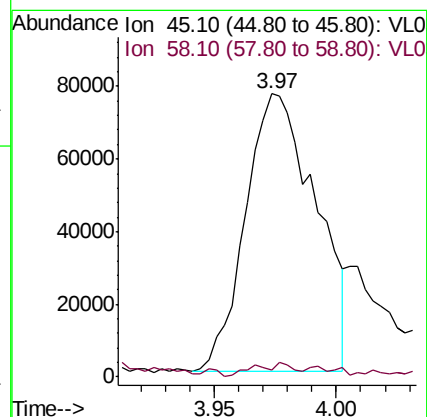
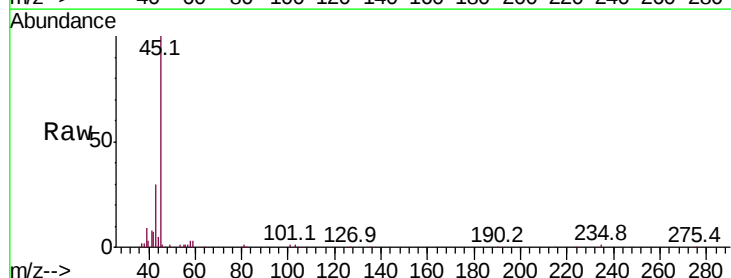
Acq: 10 Nov 2021 00:04

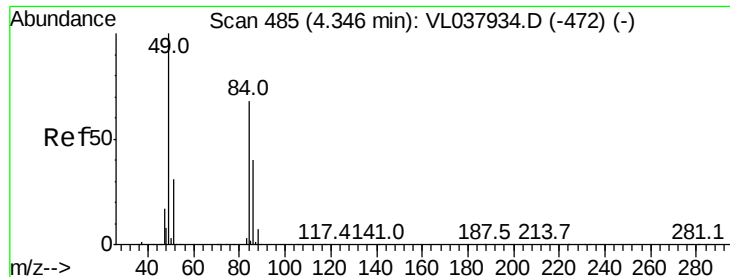
Tgt Ion: 45 Resp: 152526

Ion Ratio Lower Upper

45 100

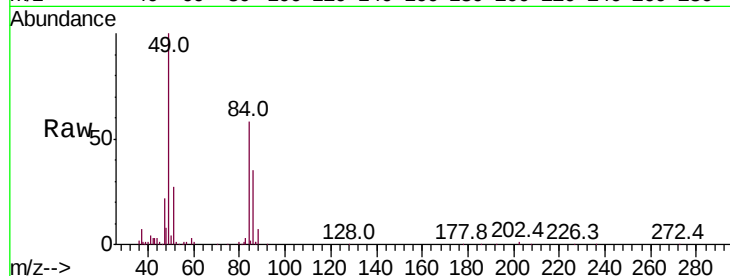
58 5.2 4.0 6.0



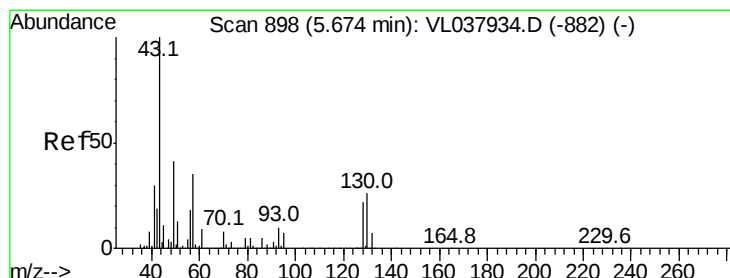
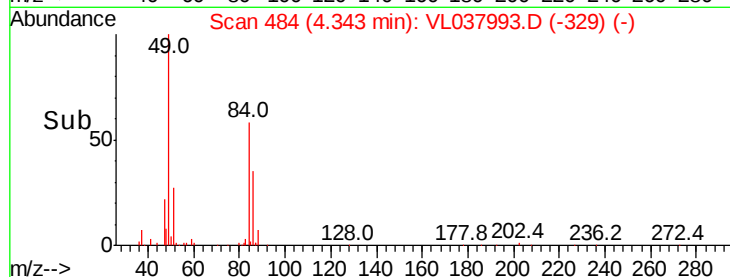
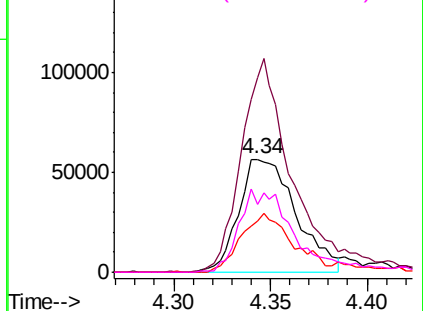


#20
Methvlene Chloride
Concen: 1.779 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 00:04

Tot Ion:	84	Resp:	116673
Ion	Ratio	Lower	Upper
84	100		
49	171.8	117.5	176.3
51	45.7	35.9	53.9
86	60.3	47.3	70.9

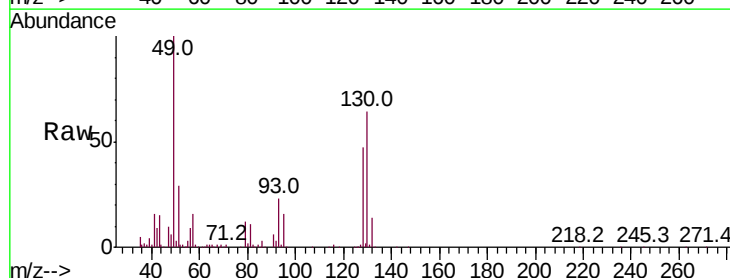


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

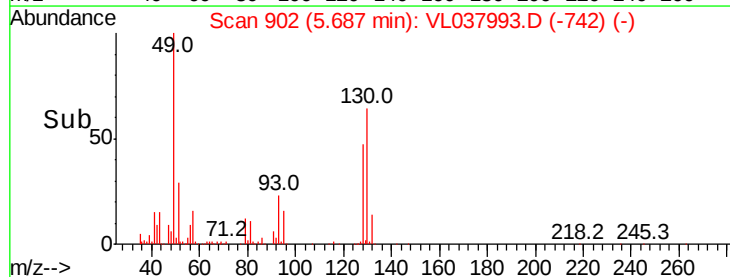
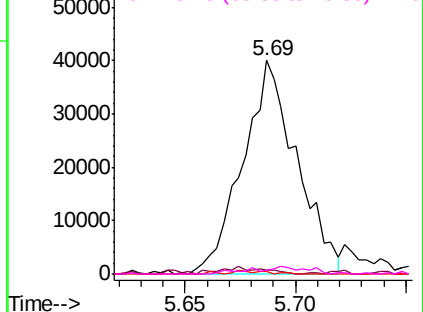


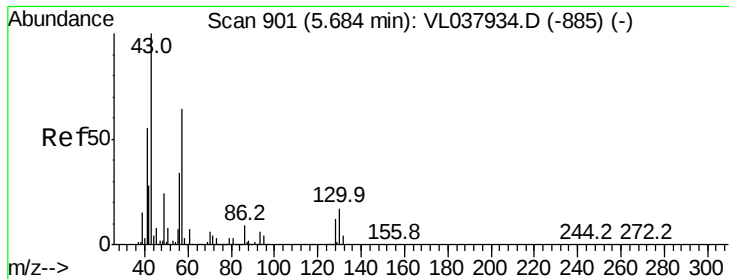
#25
Ethyl Acetate
Concen: 0.191 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.01 min
Lab File: VL037993.D
Acq: 10 Nov 2021 00:04

Tgt Ion:	43	Resp:	67784
Ion	Ratio	Lower	Upper
43	100		
45	4.2	8.1	12.1#
61	1.1	8.1	12.1#
70	3.5	5.8	8.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.478 ppbv

RT: 5.68

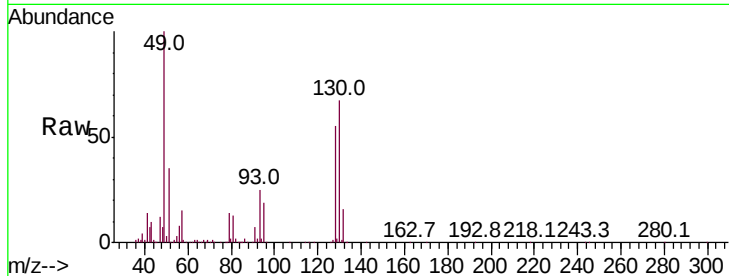
Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 00:04

Tot Ion: 57 Resp: 80297

Ion	Ratio	Lower	Upper
57	100		
41	109.6	71.0	106.6#
43	92.7	173.0	259.6#
56	64.6	43.6	65.4

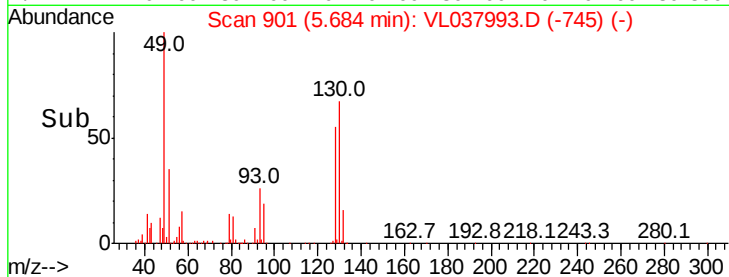
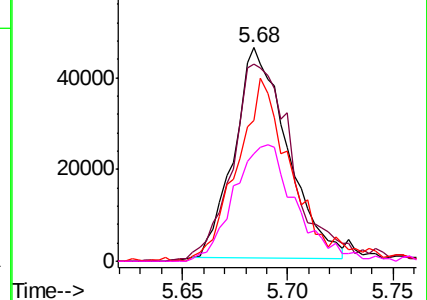


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

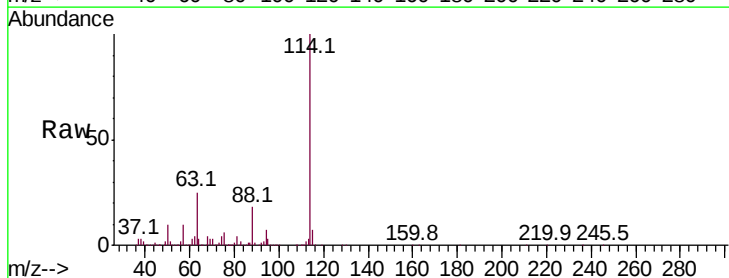
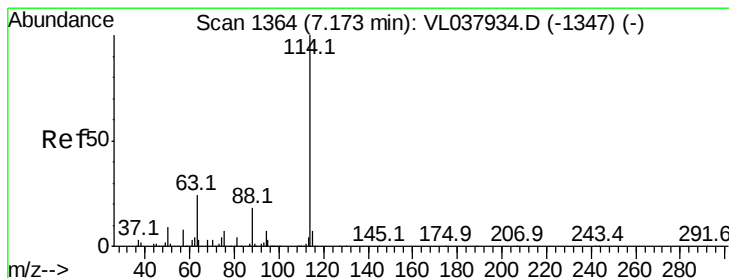
Delta R.T. 0.00 min

Lab File: VL037993.D

Acq: 10 Nov 2021 00:04

Tgt Ion: 114 Resp: 4097736

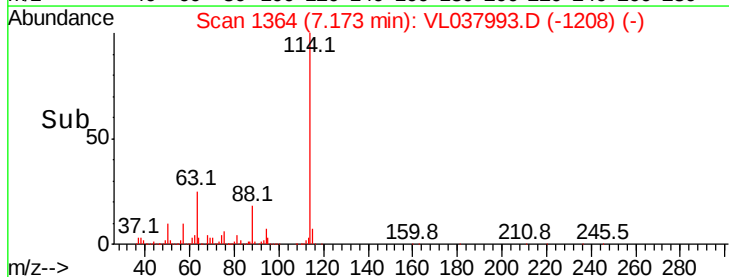
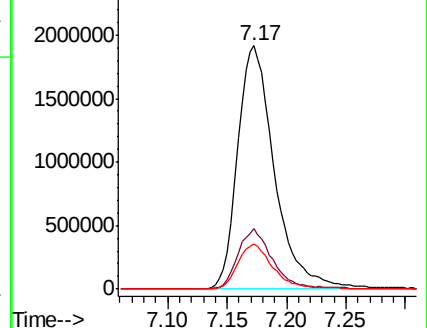
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.0
88	18.0	14.2	21.4

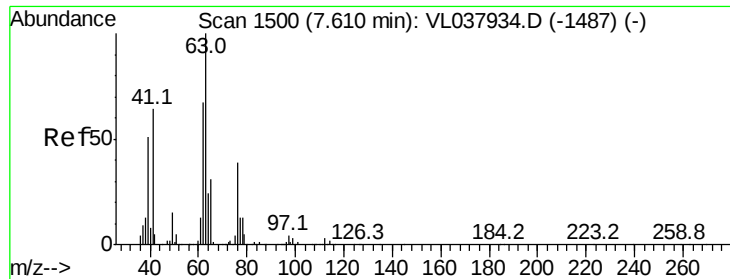


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.511 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 00:04

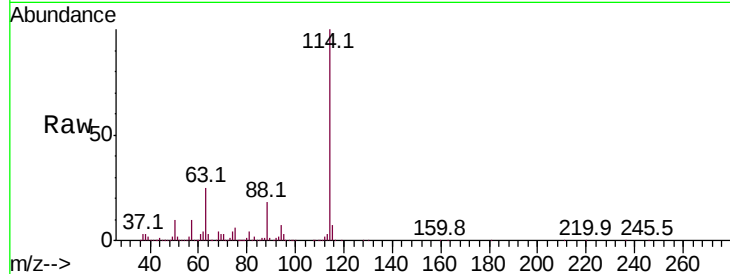
Tot Ion: 63 Resp: 943078

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

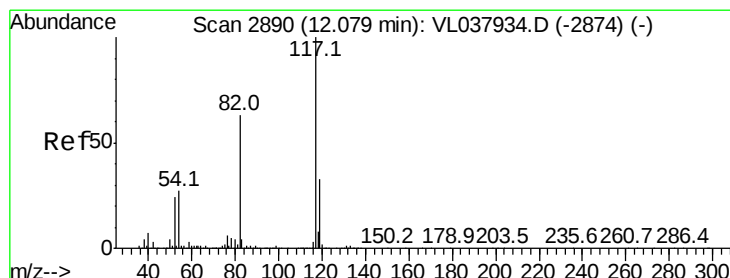
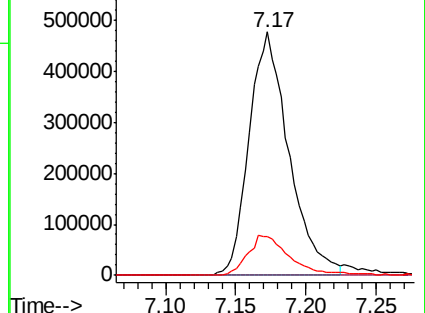
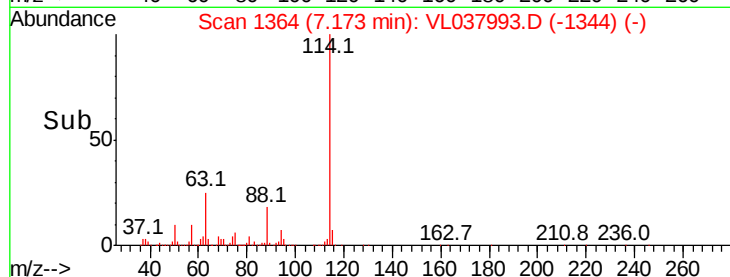
62 15.8 53.5 80.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.00 min

Lab File: VL037993.D

Acq: 10 Nov 2021 00:04

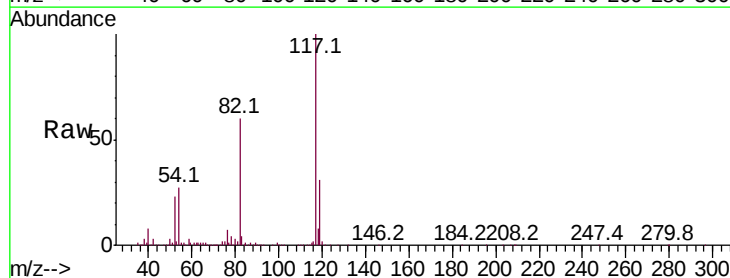
Tgt Ion: 117 Resp: 3485860

Ion Ratio Lower Upper

117 100

82 63.8 51.0 76.6

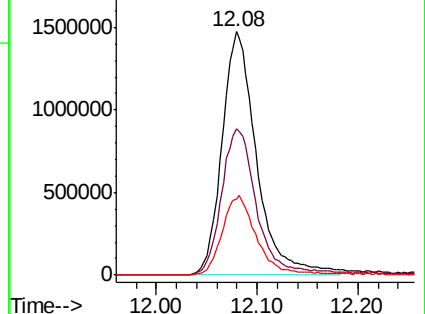
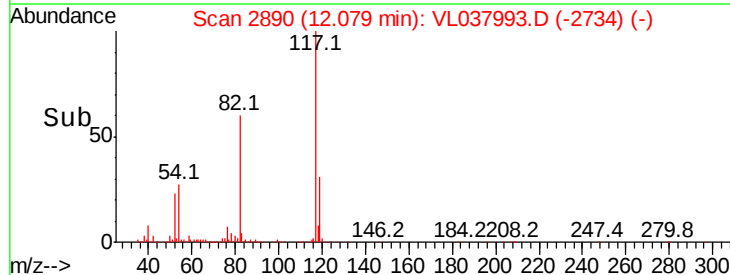
119 33.9 26.9 40.3

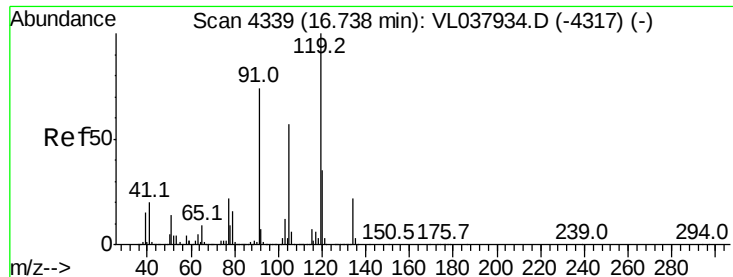


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

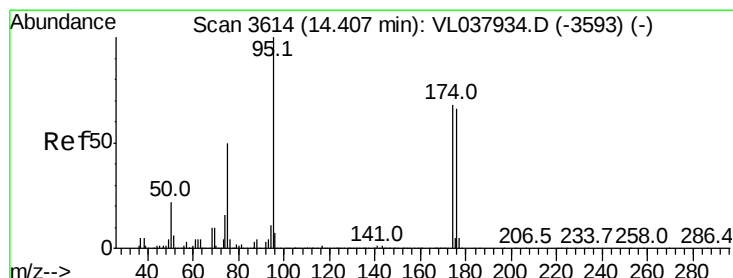
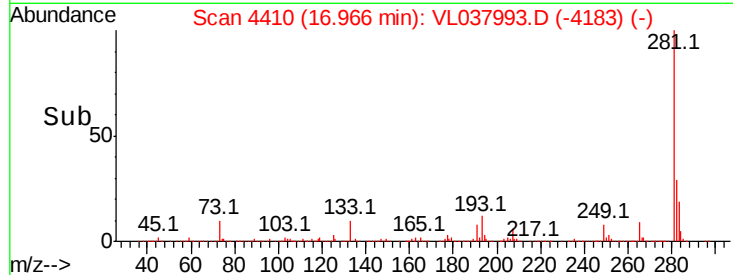
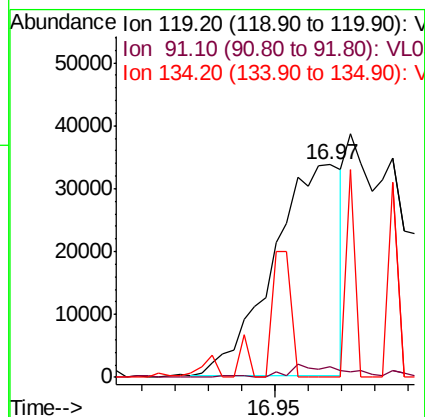
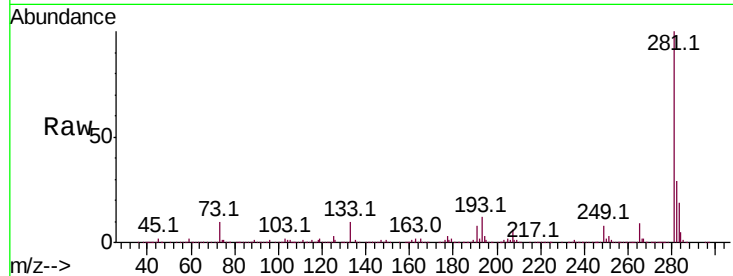
Ion 119.10 (118.80 to 119.80): V





#65
 tert-Butylbenzene
 Concen: 0.108 ppbv
 RT: 16.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 00:04

Tot Ion	Ratio	Lower	Upper
119	100		
91	7.1	61.8	92.6#
134	21.5	16.6	25.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.472 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: 0.00 min
 Lab File: VL037993.D
 Acq: 10 Nov 2021 00:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	58.3	87.5
175	5.3	4.6	6.8

