

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037943.D
 Acq On : 1 Nov 2021 17:41
 Operator : SY/AP
 Sample : VL1101ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1101ABS01

Quant Time: Nov 02 06:06:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue 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	5.66	49	1583671	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4658057	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5145603	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3196031	8.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1925823	8.631 ppbv	100
3) Chlorodifluoromethane	2.99	51	2578237	8.745 ppbv	99
4) Chloromethane	3.14	50	1004233	8.963 ppbv	100
5) Vinyl Chloride	3.26	62	951550	8.812 ppbv	94
6) Bromomethane	3.48	94	528154	9.054 ppbv	94
7) Chloroethane	3.56	64	322368	8.270 ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2216389	8.623 ppbv	99
9) Propene	3.01	41	939728	8.890 ppbv	97
10) Heptane	8.11	43	2368555	9.631 ppbv	99
11) Trichlorofluoromethane	3.95	101	2027906	9.127 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1501179	8.667 ppbv	97
13) Ethanol	3.61	45	37035	3.473 ppbv #	1
14) Bromoethene	3.74	108	691976	9.133 ppbv	99
15) Acetone	3.84	43	1158317	8.851 ppbv	98
16) 1,3-Butadiene	3.33	39	949410	9.207 ppbv	99
17) tert-Butyl alcohol	4.28	59	1295765	9.523 ppbv	98
18) 1,1-Dichloroethene	4.29	96	719777	9.030 ppbv	97
19) Isopropyl Alcohol	3.96	45	738400	8.824 ppbv #	95
20) Methylene Chloride	4.34	84	582774	8.112 ppbv	97
21) Allyl Chloride	4.41	41	1133783	9.390 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	719262	9.081 ppbv	96
23) Vinyl Acetate	5.07	43	2215891	11.246 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1452638	8.923 ppbv	99
25) Ethyl Acetate	5.67	43	3649826	9.390 ppbv	100
26) Hexane	5.68	57	1743755	9.469 ppbv	99
27) Carbon Disulfide	4.55	76	1817004	9.994 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1543508	9.969 ppbv	99
29) Chloroform	5.75	83	2427382	8.839 ppbv	99
30) Cyclohexane	7.12	84	1480462	9.404 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1608219	9.572 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2301157	8.525 ppbv	99
34) 2-Butanone	5.24	43	1634677	9.471 ppbv	99
35) Carbon Tetrachloride	7.02	117	2426351	8.616 ppbv	97
36) Benzene	6.88	78	3585155	9.451 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1680743	9.320 ppbv	99
38) Trichloroethene	7.83	130	1443601	9.169 ppbv	97
39) 1,2-Dichloropropane	7.60	63	1376822	9.646 ppbv	98
40) 1,4-Dioxane	7.83	88	299587	7.970 ppbv #	1
41) Tetrahydrofuran	6.04	42	862470	10.212 ppbv	98
42) Bromodichloromethane	7.78	83	2564526	9.405 ppbv	96
43) Methyl Methacrylate	8.01	69	1300416	10.444 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037943.D
 Acq On : 1 Nov 2021 17:41
 Operator : SY/AP
 Sample : VL1101ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1101ABS01

Quant Time: Nov 02 06:06:22 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

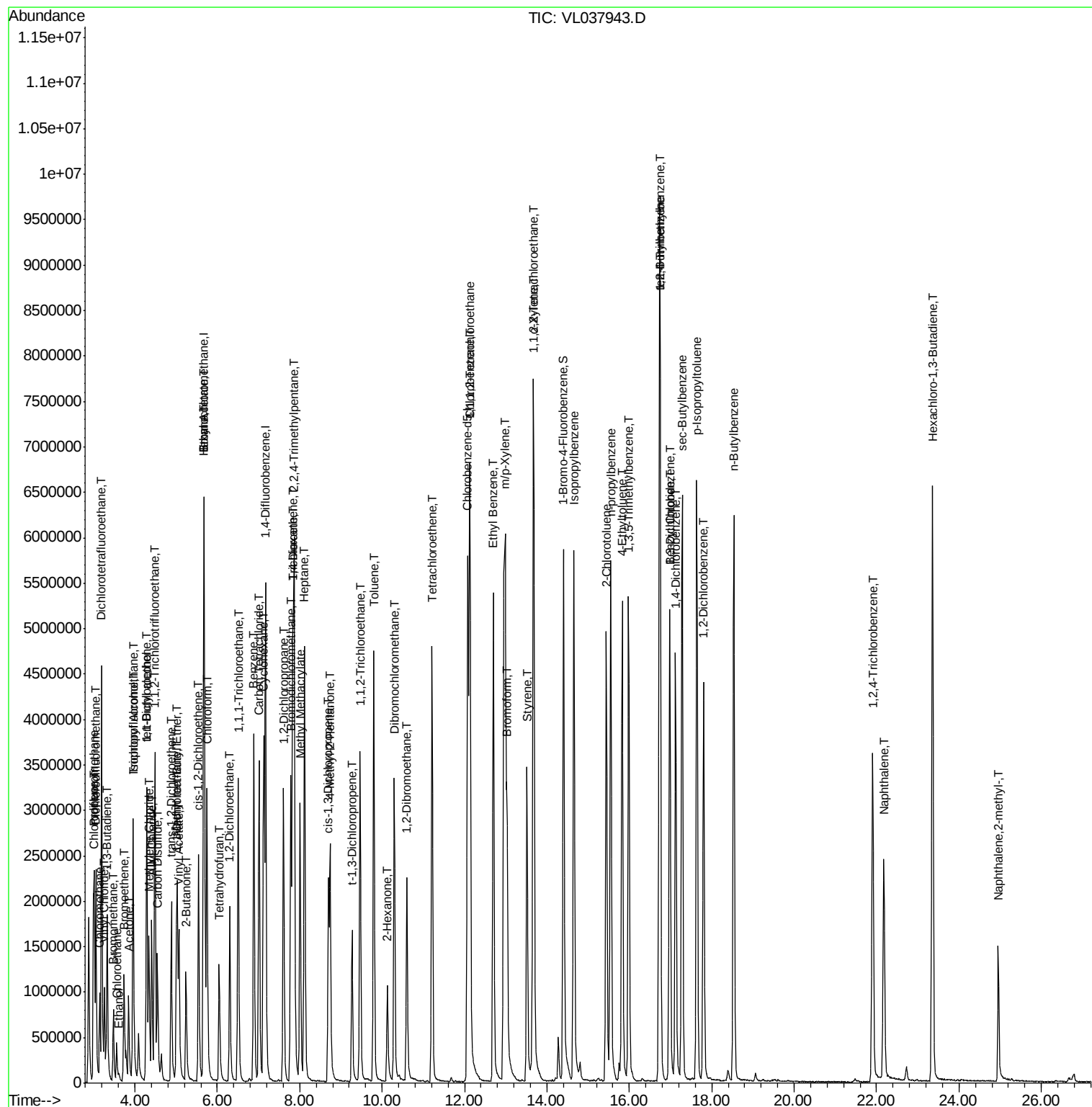
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6011047	9.317	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1057894	11.563	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1399981	11.130	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1445019	9.011	ppbv	99
48) Dibromochloromethane	10.29	129	2287874	10.076	ppbv	98
49) Bromoform	13.03	173	1887725	10.518	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2272295	10.020	ppbv	99
51) 2-Hexanone	10.13	43	1023650	10.710	ppbv	99
52) Tetrachloroethene	11.21	164	1286164	8.938	ppbv	97
53) Toluene	9.80	91	4157149	10.222	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2043991	9.883	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1556384	7.492	ppbv #	59
57) Chlorobenzene	12.14	112	3036126	7.392	ppbv	98
58) Ethyl Benzene	12.70	91	5197765	8.260	ppbv	99
59) m/p-Xylene	12.98	91	4369238	7.812	ppbv #	28
60) o-Xylene	13.68	91	2272469	4.309	ppbv #	41
61) Styrene	13.52	104	2282444	9.425	ppbv	99
62) Isopropylbenzene	14.66	105	5688769	7.619	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2976162	6.557	ppbv	98
64) n-propylbenzene	15.55	120	1523122	7.961	ppbv	96
65) tert-Butylbenzene	16.73	119	4917193	7.452	ppbv	99
66) Benzyl Chloride	16.98	91	310084	8.993	ppbv	98
67) sec-Butylbenzene	17.28	105	6868613	7.555	ppbv	100
69) p-Isopropyltoluene	17.64	119	5645072	7.741	ppbv	100
70) n-Butylbenzene	18.54	91	5410232	8.074	ppbv	99
71) 2-Chlorotoluene	15.44	91	4140399	7.914	ppbv	98
72) 4-Ethyltoluene	15.83	105	5037232	8.338	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4385888	7.753	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4488786	7.574	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2771573	7.511	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2601265	7.285	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2527667	7.295	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1901427	6.411	ppbv	98
79) Naphthalene	22.18	128	3386032	9.916	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	989202	14.881	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	1909083	8.589	ppbv	99

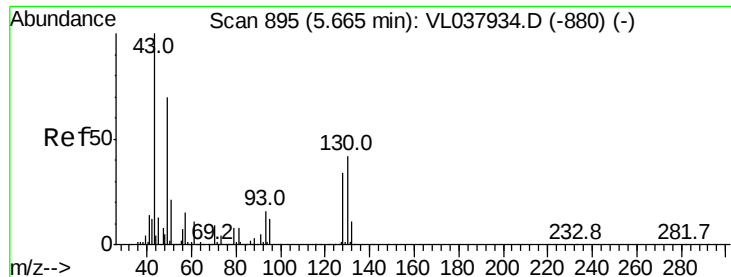
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110121\
Data File : VL037943.D
Acq On : 1 Nov 2021 17:41
Operator : SY/AP
Sample : VL1101ABS01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1101ABS01

Quant Time: Nov 02 06:06:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue 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: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

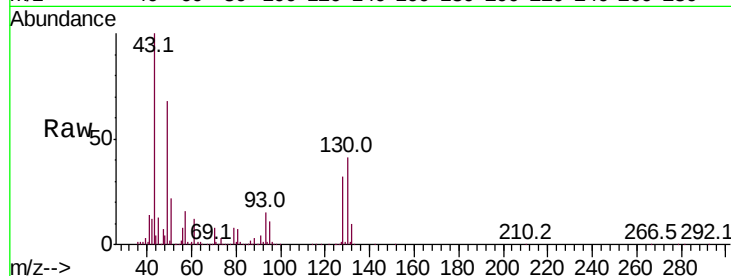
Tot Ion: 49 Resp: 1583671

Ion Ratio Lower Upper

49 100

128 52.8 27.0 81.0

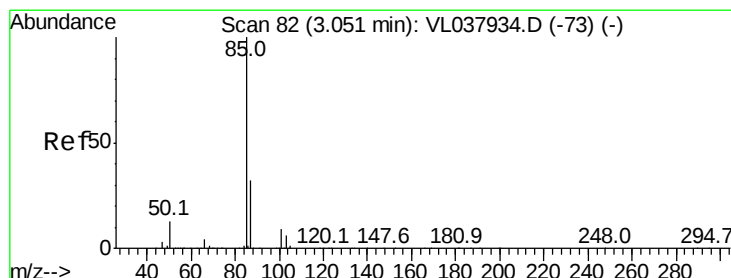
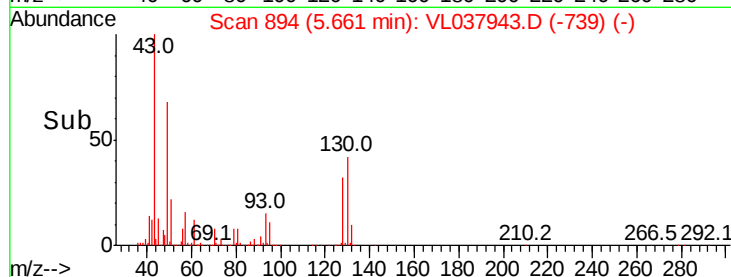
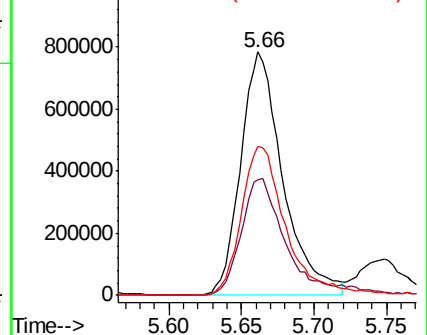
130 65.9 33.4 100.2



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: 8.631 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037943.D

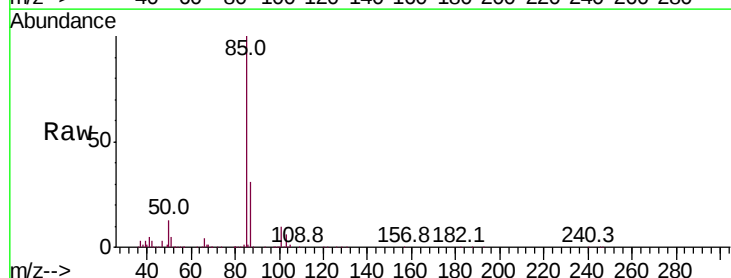
Acq: 1 Nov 2021 17:41

Tgt Ion: 85 Resp: 1925823

Ion Ratio Lower Upper

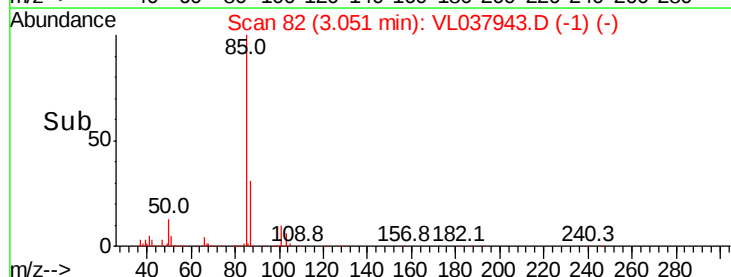
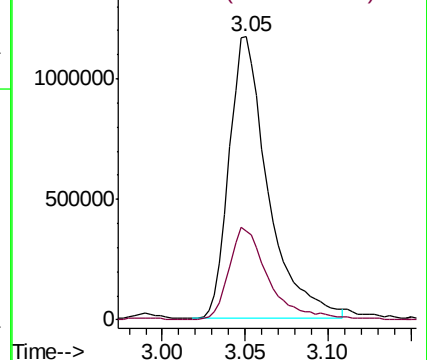
85 100

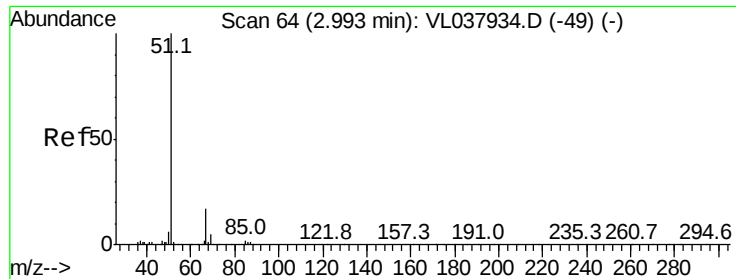
87 31.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.745 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

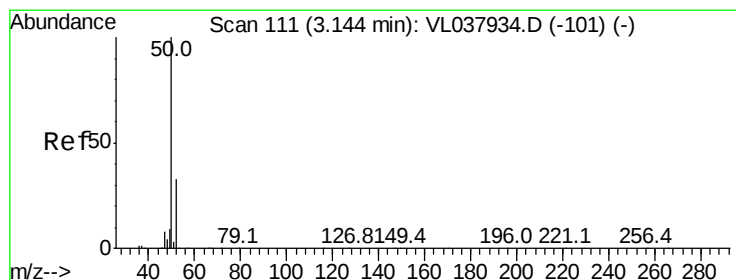
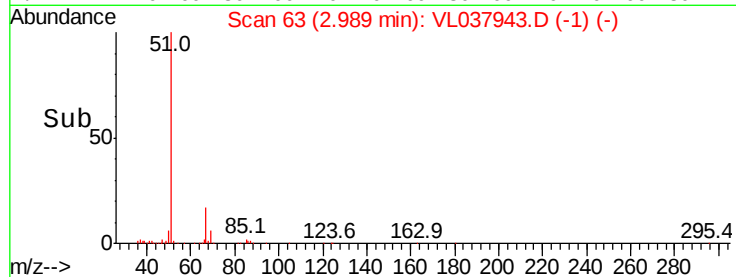
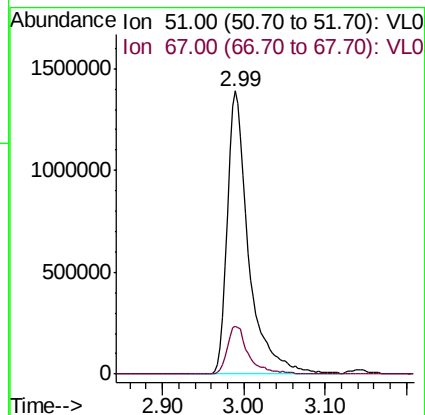
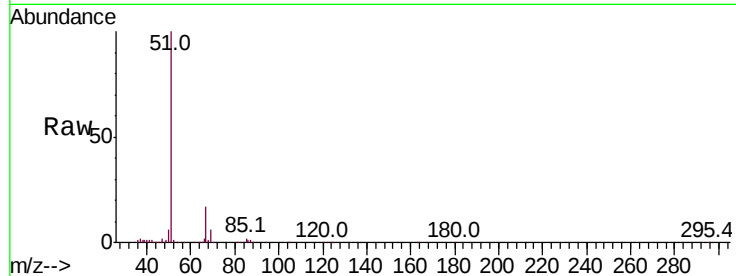
Acq: 1 Nov 2021 17:41

Tot Ion: 51 Resp: 2578237

Ion Ratio Lower Upper

51 100

67 16.9 13.4 20.0



#4

Chloromethane

Concen: 8.963 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037943.D

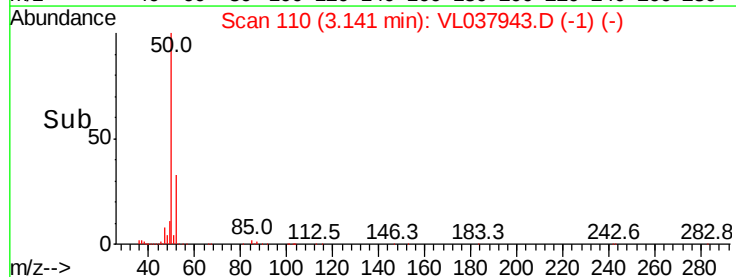
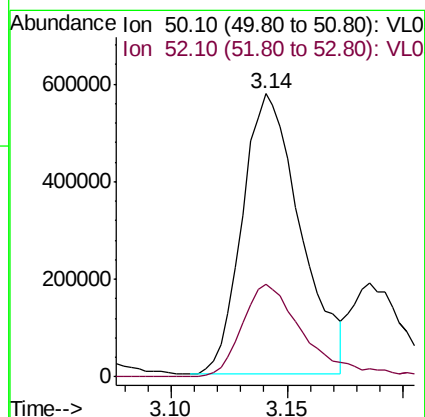
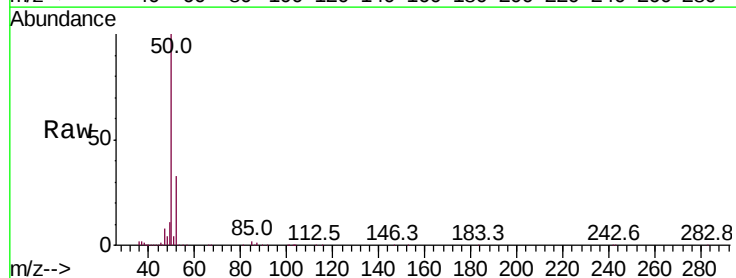
Acq: 1 Nov 2021 17:41

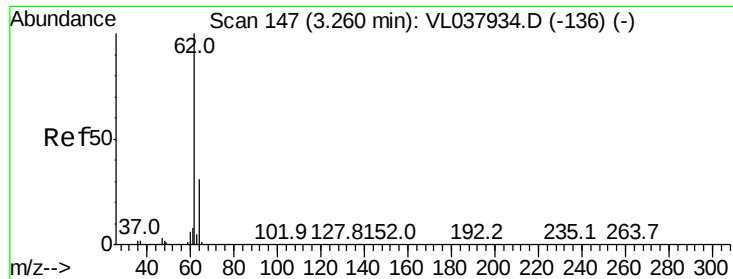
Tgt Ion: 50 Resp: 1004233

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5





#5

Vinyl Chloride

Concen: 8.812 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

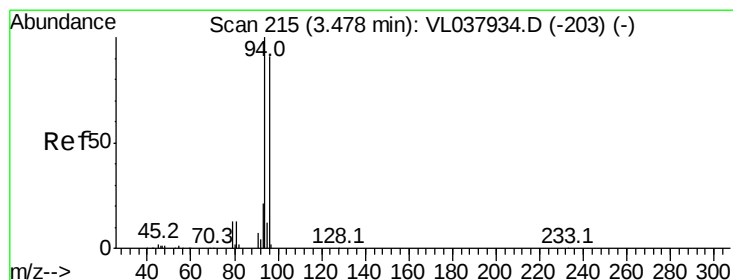
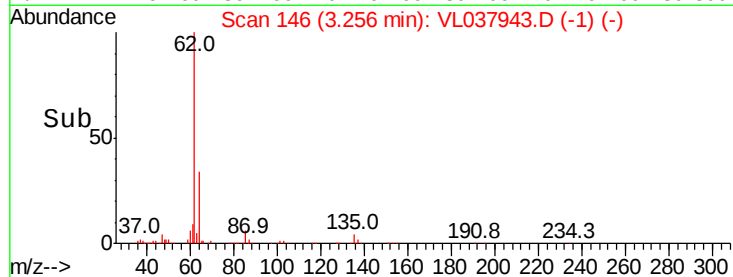
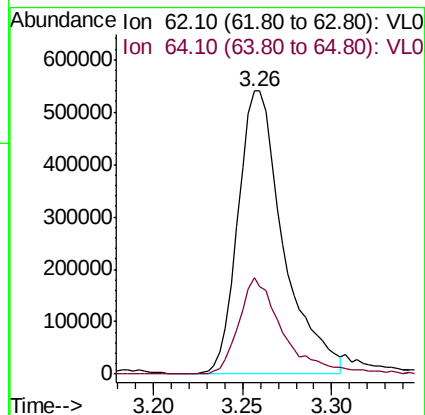
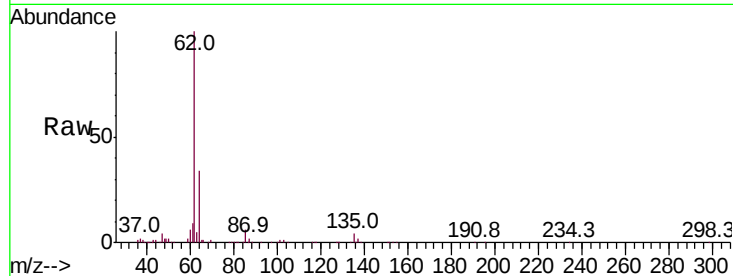
Acq: 1 Nov 2021 17:41

Tot Ion: 62 Resp: 951550

Ion Ratio Lower Upper

62 100

64 34.3 24.7 37.1



#6

Bromomethane

Concen: 9.054 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037943.D

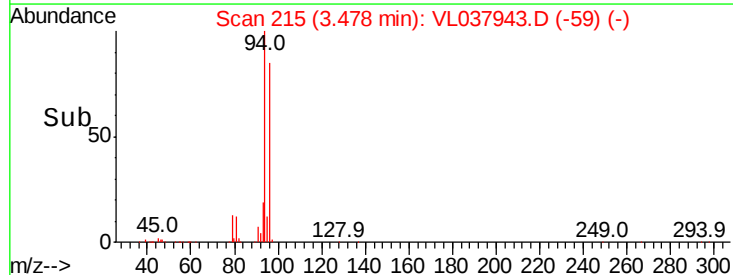
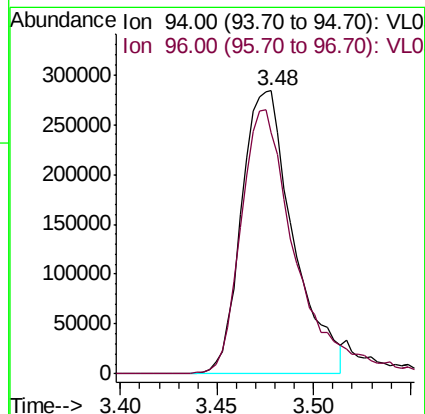
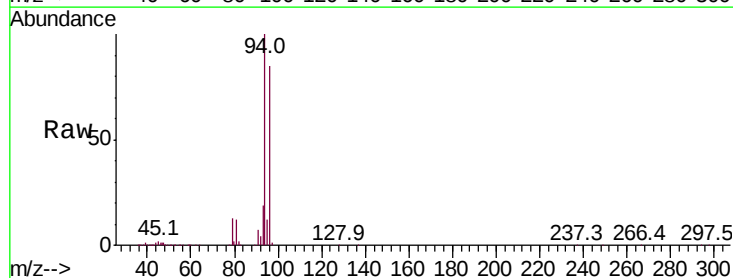
Acq: 1 Nov 2021 17:41

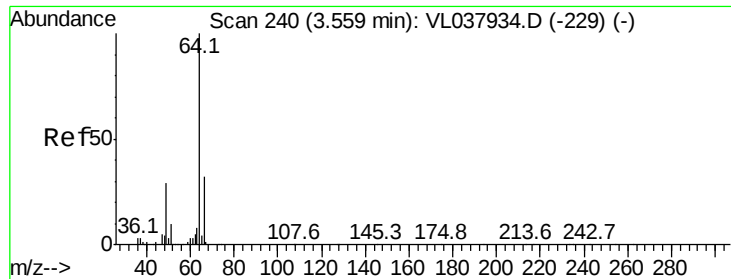
Tgt Ion: 94 Resp: 528154

Ion Ratio Lower Upper

94 100

96 85.3 73.0 109.4





#7

Chloroethane

Concen: 8.270 ppbv

RT: 3.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

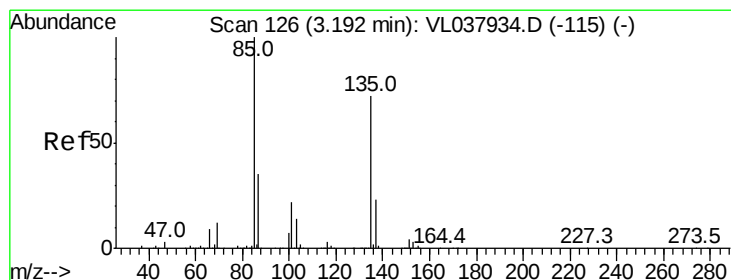
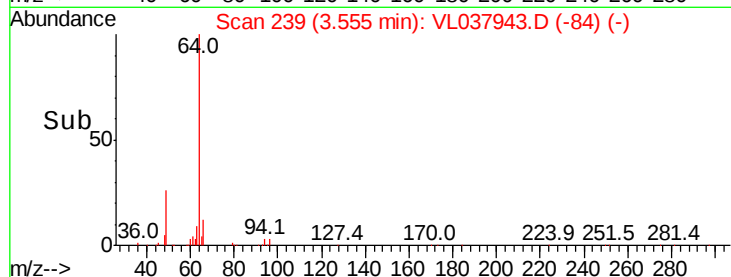
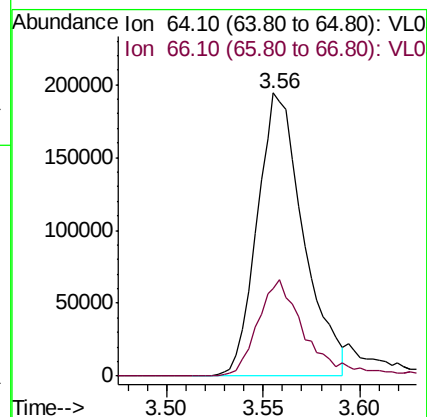
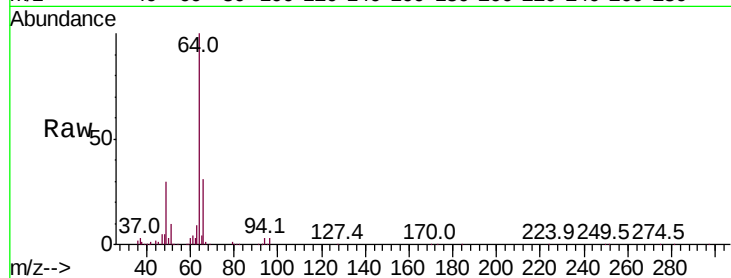
Acq: 1 Nov 2021 17:41

Tot Ion: 64 Resp: 322368

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.623 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037943.D

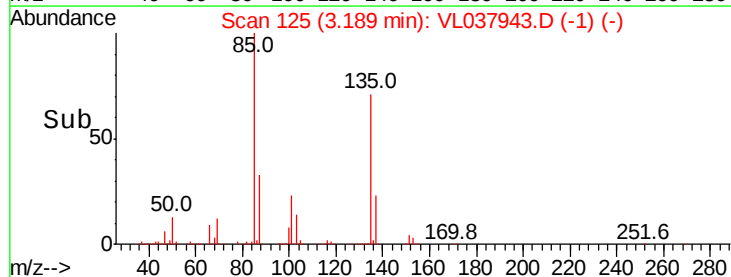
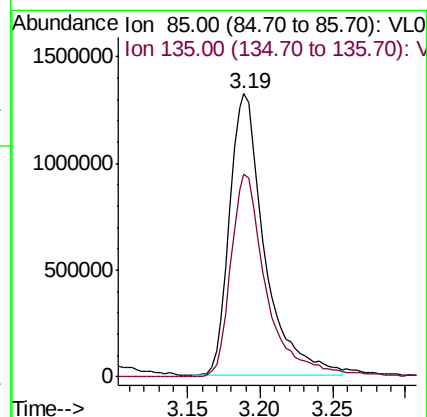
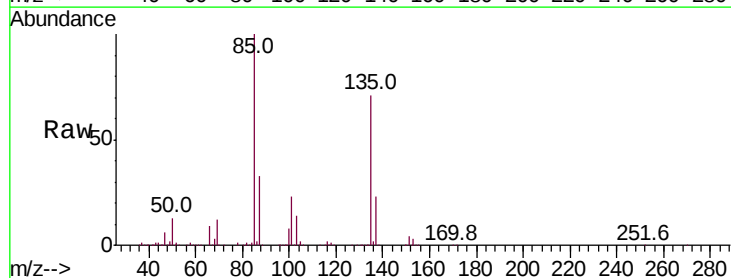
Acq: 1 Nov 2021 17:41

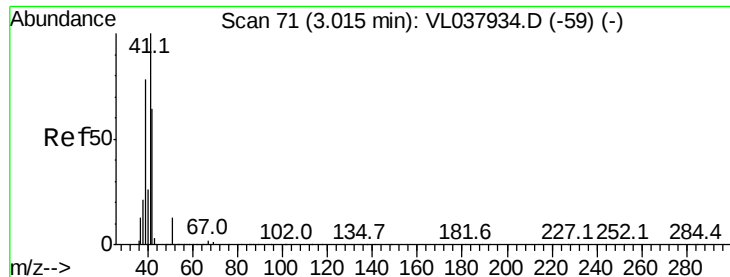
Tgt Ion: 85 Resp: 2216389

Ion Ratio Lower Upper

85 100

135 74.2 58.8 88.2





#9

Propene

Concen: 8.890 ppbv

RT: 3.01

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

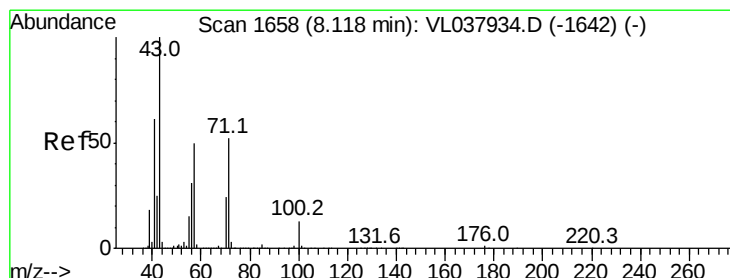
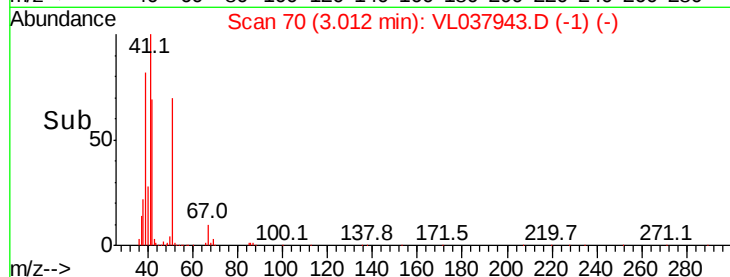
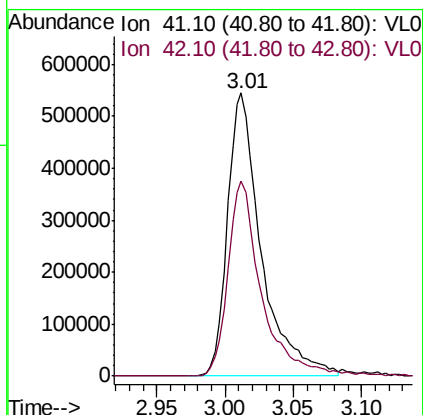
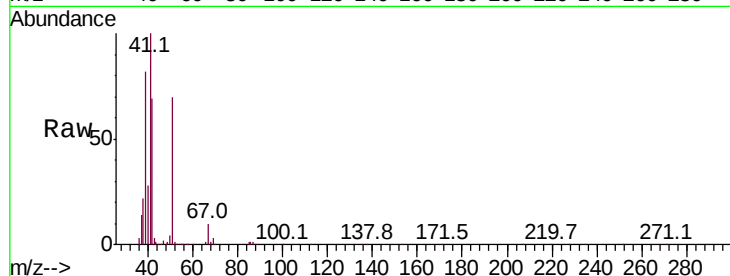
Acq: 1 Nov 2021 17:41

Tot Ion: 41 Resp: 939728

Ion Ratio Lower Upper

41 100

42 69.1 57.6 86.4



#10

Heptane

Concen: 9.631 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037943.D

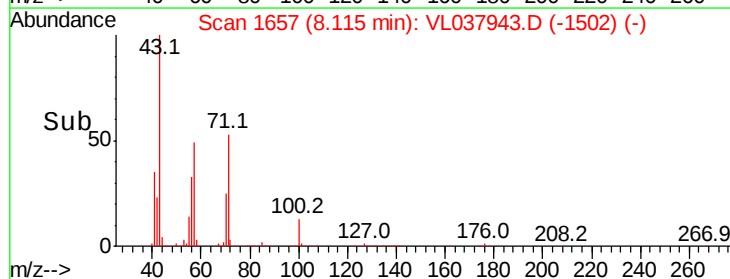
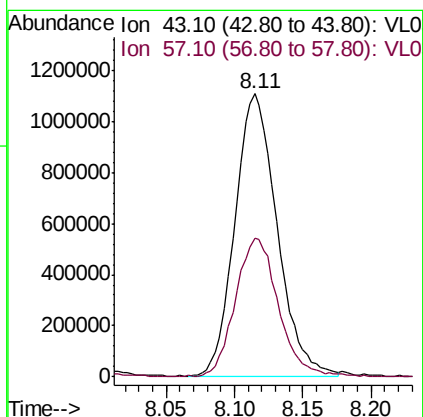
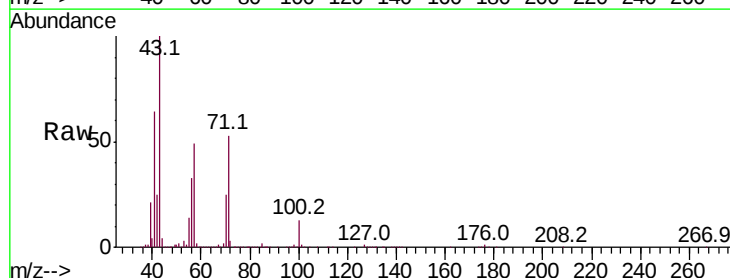
Acq: 1 Nov 2021 17:41

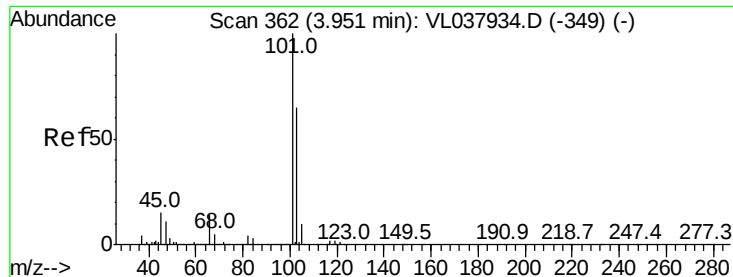
Tgt Ion: 43 Resp: 2368555

Ion Ratio Lower Upper

43 100

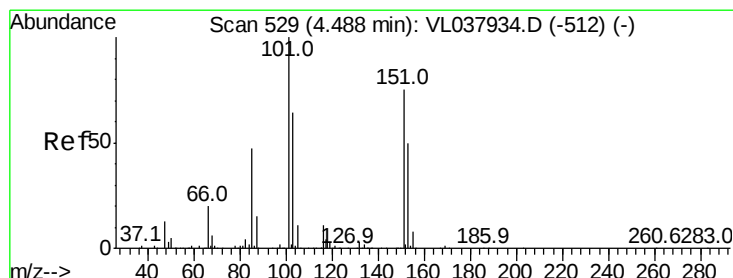
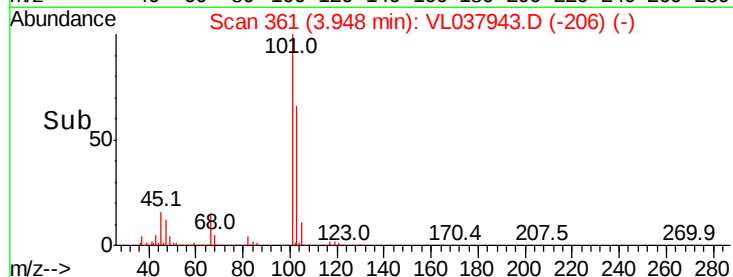
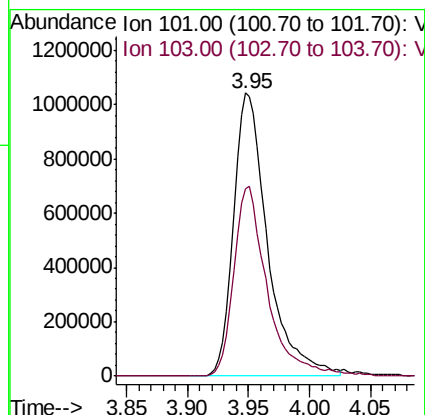
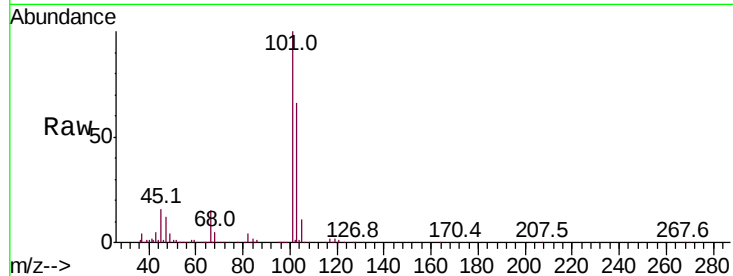
57 50.4 39.8 59.8





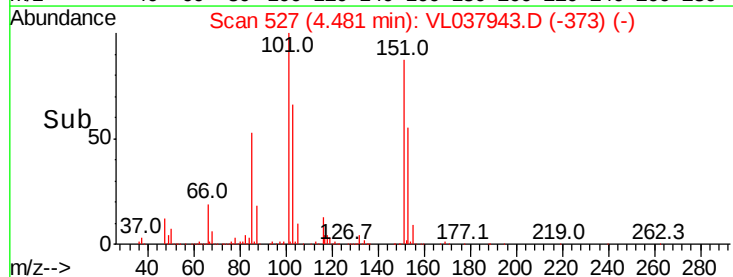
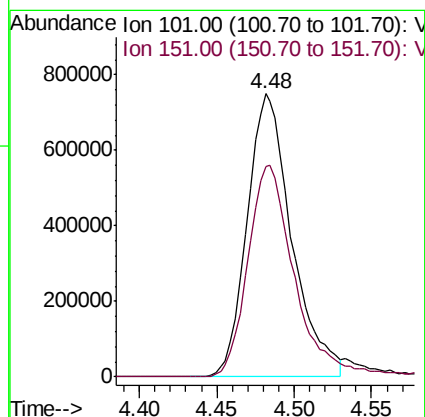
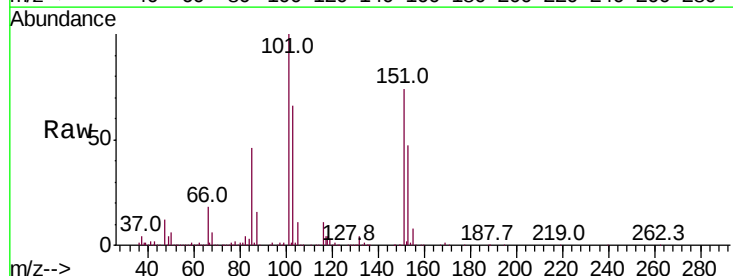
#11
 Trichlorofluoromethane
 Concen: 9.127 ppbv
 RT: 3.95
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1101ABS01
 Acq: 1 Nov 2021 17:41

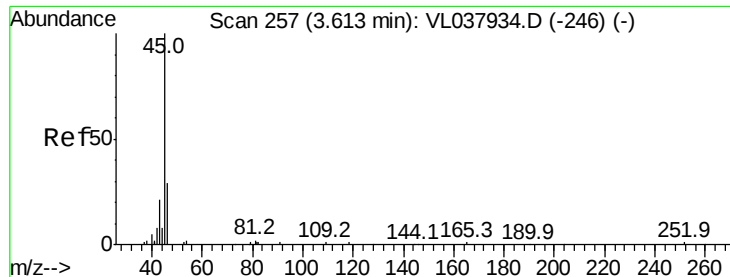
Tot Ion:101 Resp: 2027906
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.667 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL037943.D
 Acq: 1 Nov 2021 17:41

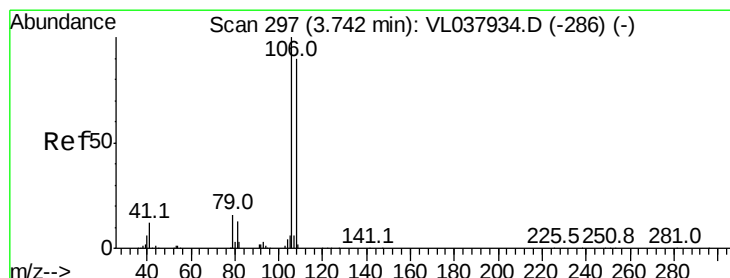
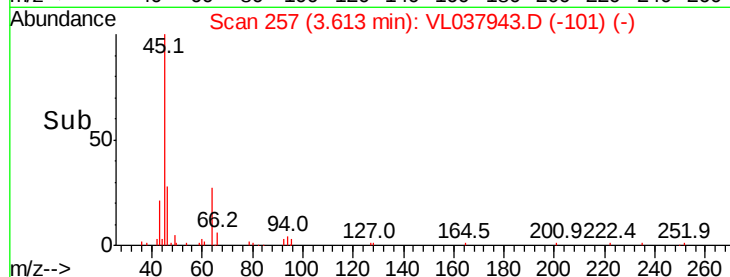
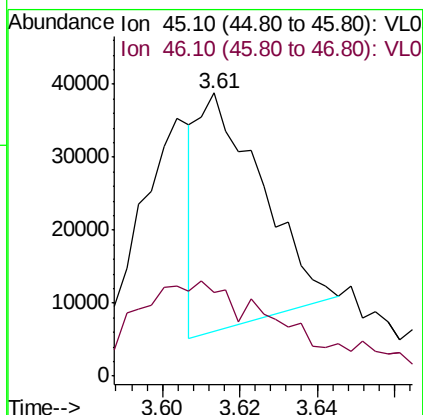
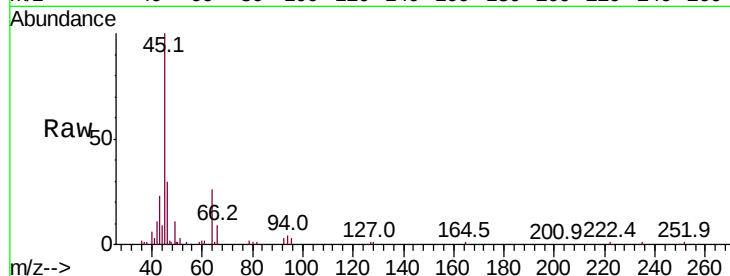
Tgt Ion:101 Resp: 1501179
 Ion Ratio Lower Upper
 101 100
 151 79.5 61.8 92.8





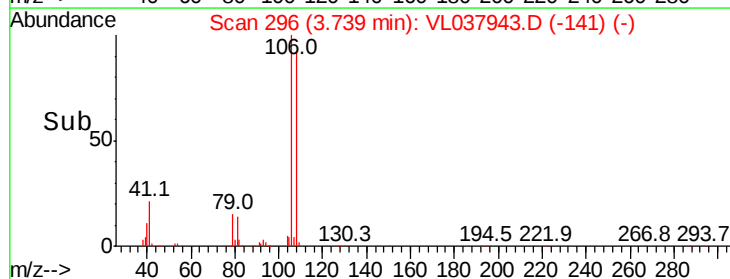
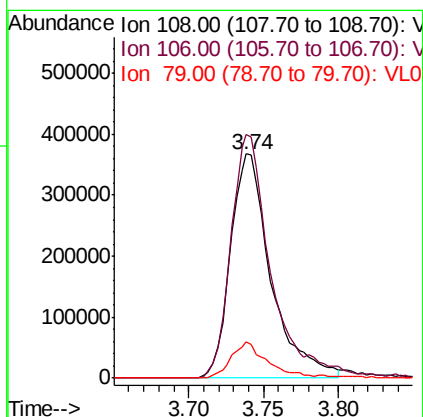
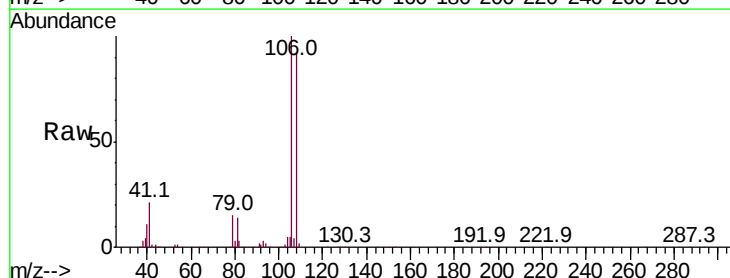
#13
Ethanol
Concen: 3.473 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

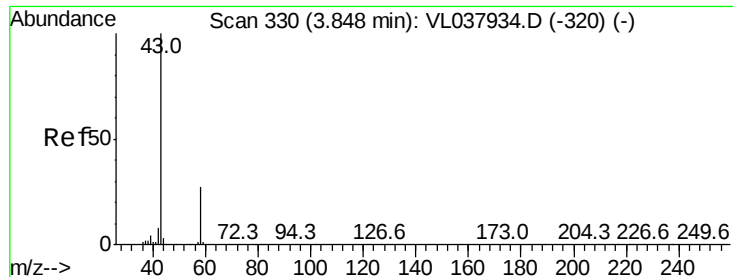
Tot Ion: 45 Resp: 37035
Ion Ratio Lower Upper
45 100
46 114.7 17.4 69.8#



#14
Bromoethene
Concen: 9.133 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 108 Resp: 691976
Ion Ratio Lower Upper
108 100
106 108.8 88.4 132.6
79 15.6 12.4 18.6

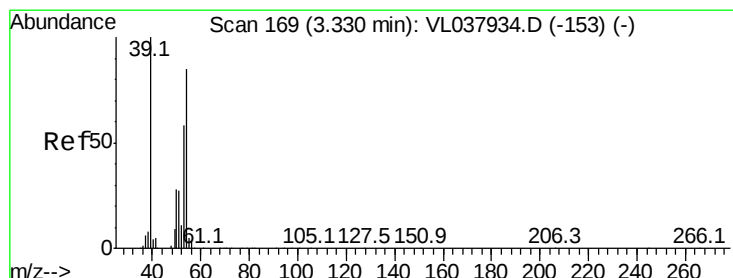
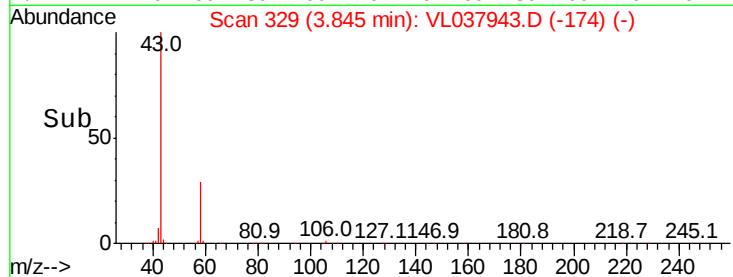
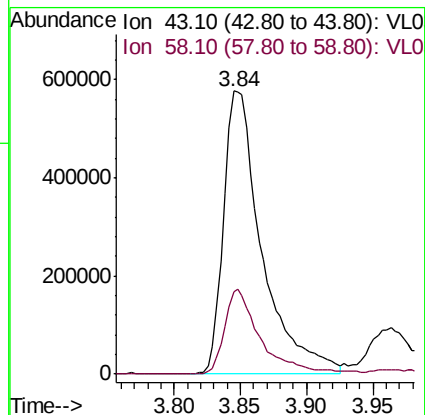
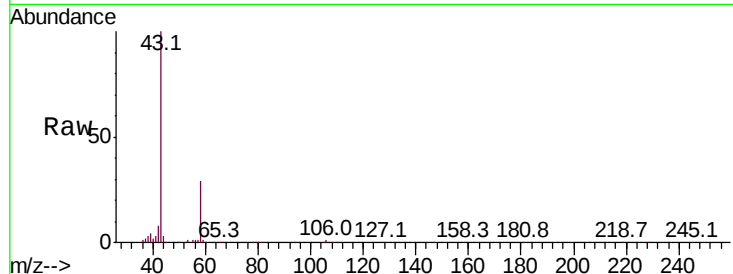




#15
Acetone
Concen: 8.851 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

Tot Ion: 43 Resp: 1158317

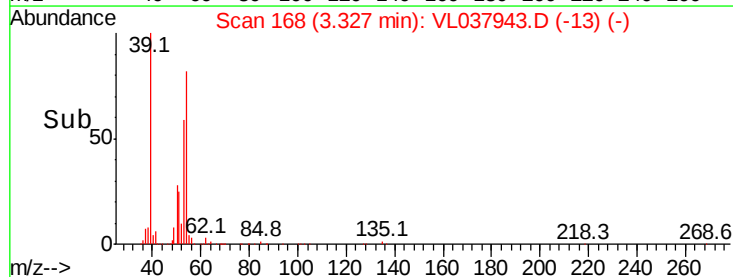
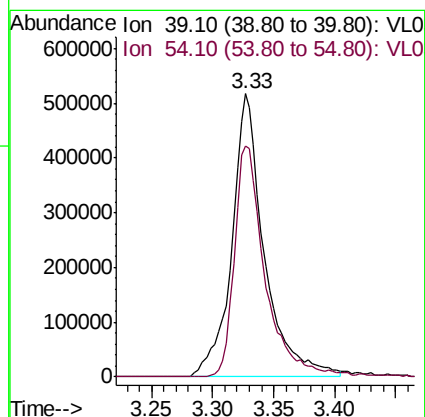
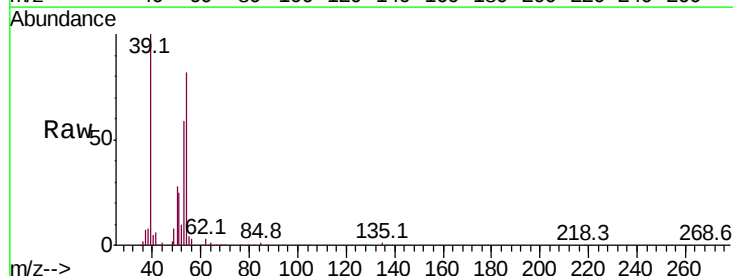
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.3	34.9

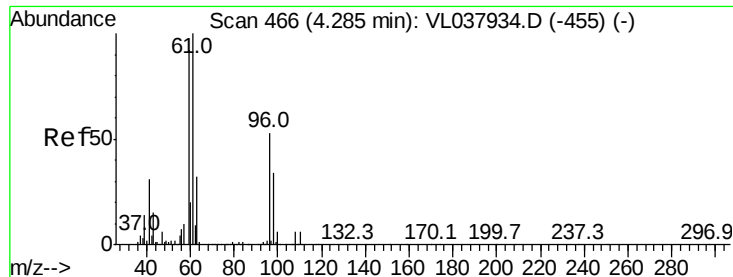


#16
1,3-Butadiene
Concen: 9.207 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 39 Resp: 949410

Ion	Ratio	Lower	Upper
39	100		
54	78.9	62.6	93.8





#17

tert-Butyl alcohol

Concen: 9.523 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

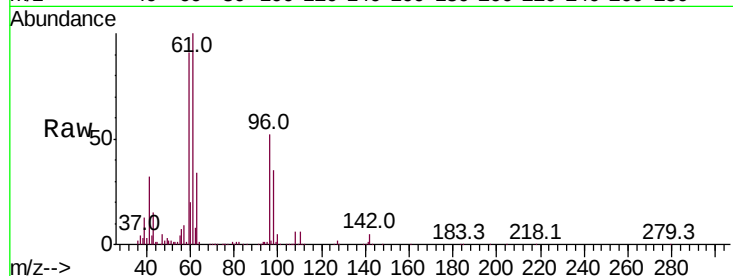
Acq: 1 Nov 2021 17:41

Tot Ion: 59 Resp: 1295765

Ion Ratio Lower Upper

59 100

57 10.2 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

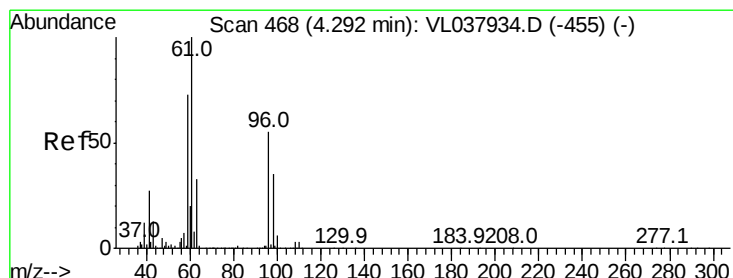
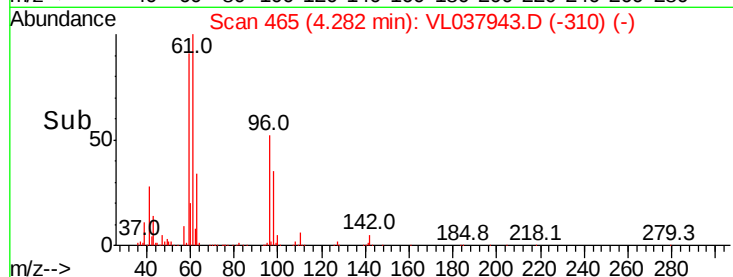
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.030 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

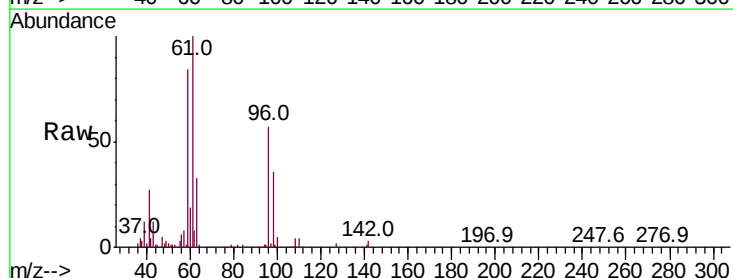
Tgt Ion: 96 Resp: 719777

Ion Ratio Lower Upper

96 100

61 175.2 144.3 216.5

98 62.7 50.5 75.7



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

800000

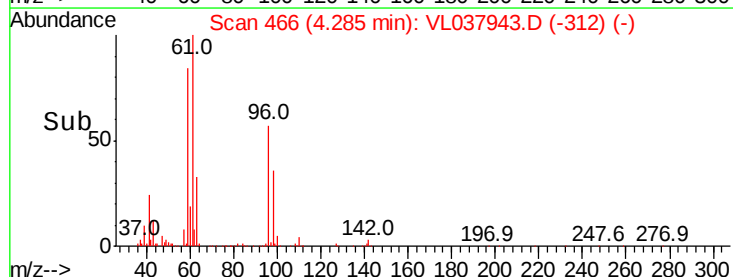
600000

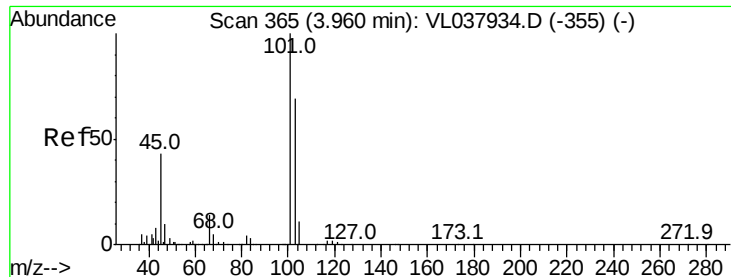
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 8.824 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

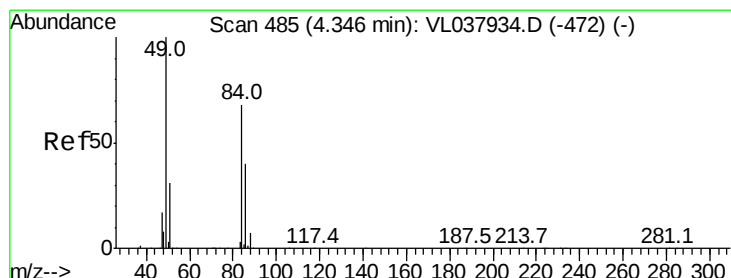
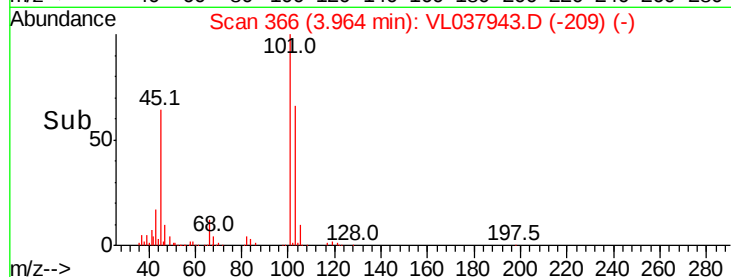
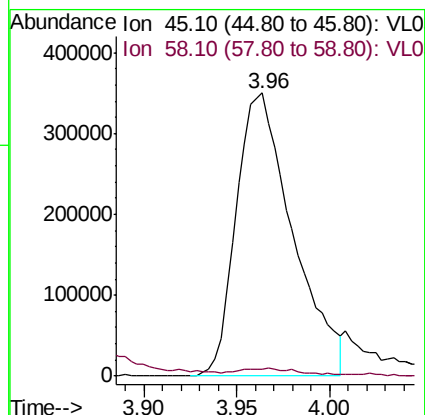
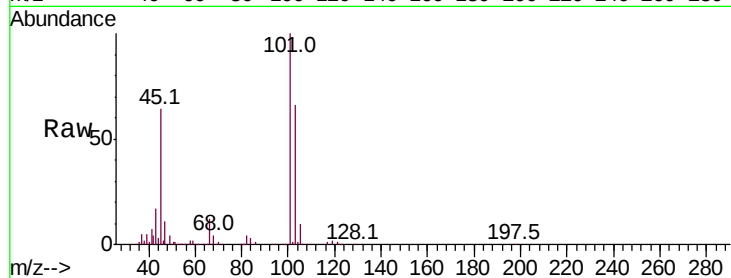
Acq: 1 Nov 2021 17:41

Tot Ion: 45 Resp: 738400

Ion Ratio Lower Upper

45 100

58 3.4 4.0 6.0#



#20

Methylene Chloride

Concen: 8.112 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 84 Resp: 582774

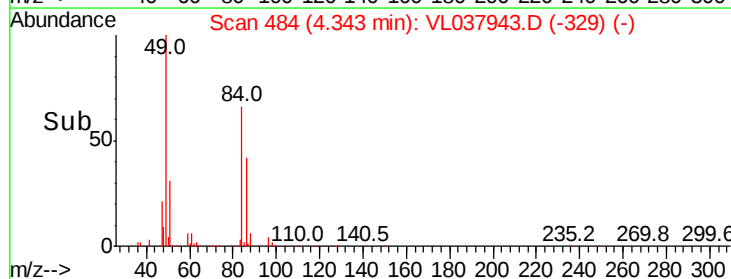
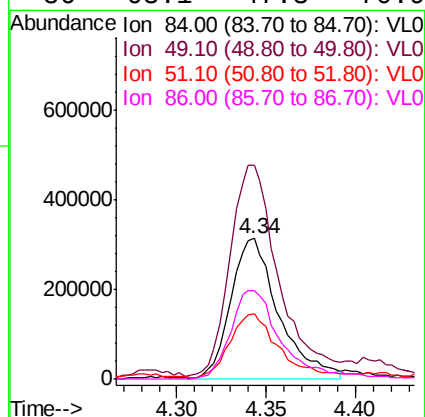
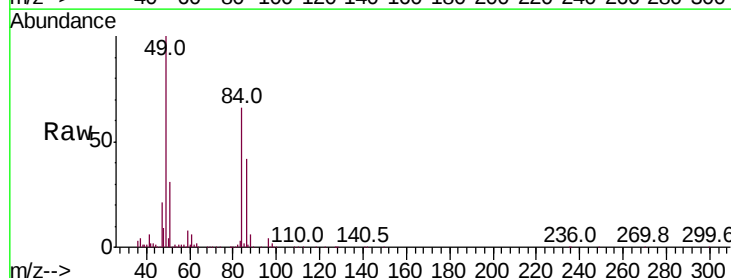
Ion Ratio Lower Upper

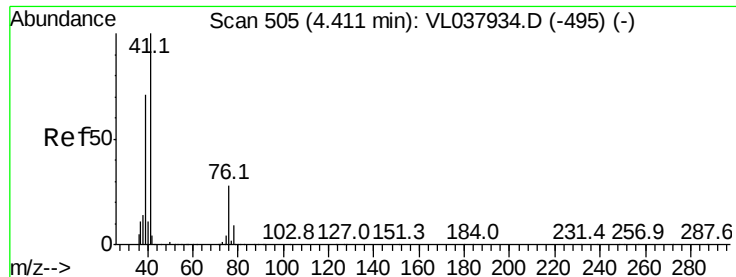
84 100

49 149.9 117.5 176.3

51 45.5 35.9 53.9

86 63.1 47.3 70.9





#21

Allvl Chloride

Concen: 9.390 ppbv

RT: 4.41

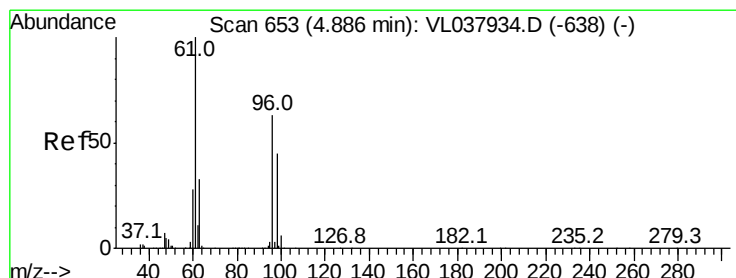
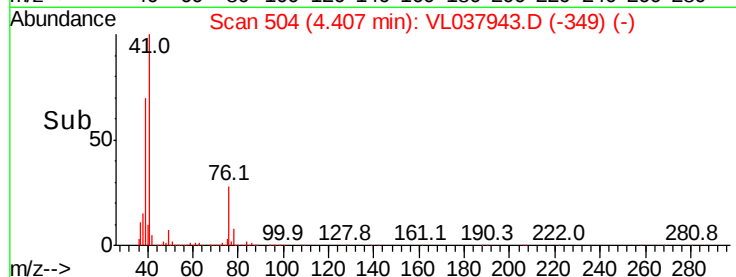
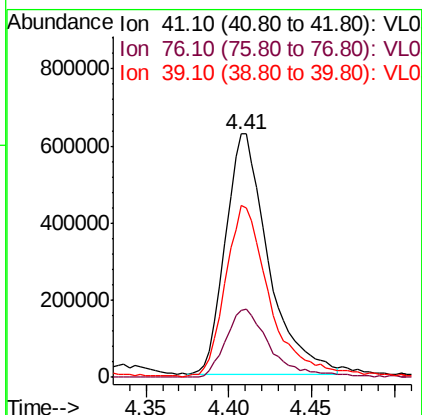
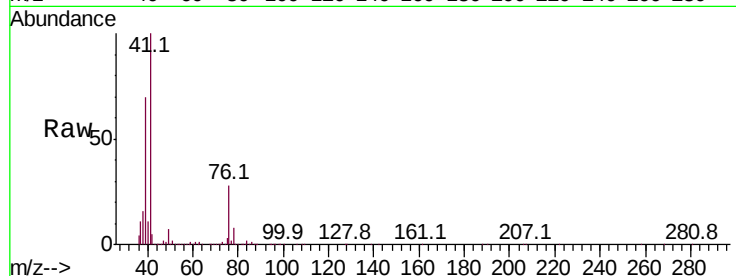
Delta R.T. MSVOA_1

Lab File: ClientSampleId : VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion: 41 Resp: 1133783

Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	73.2	59.7	89.5



#22

trans-1,2-Dichloroethene

Concen: 9.081 ppbv

RT: 4.88 min Scan# 652

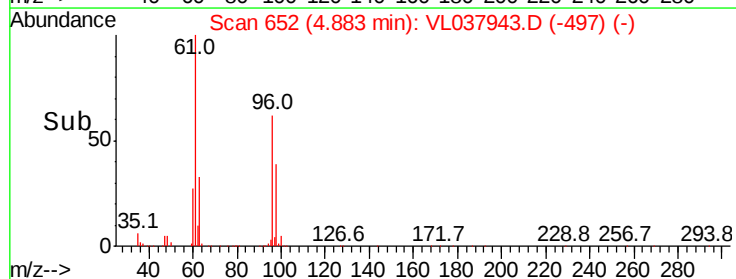
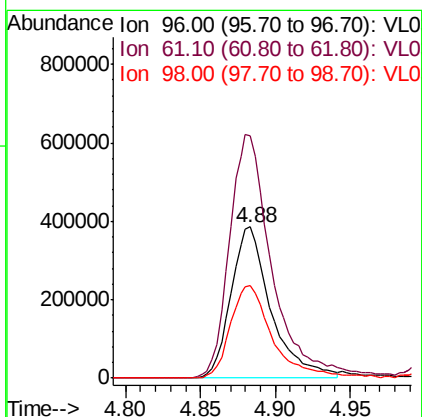
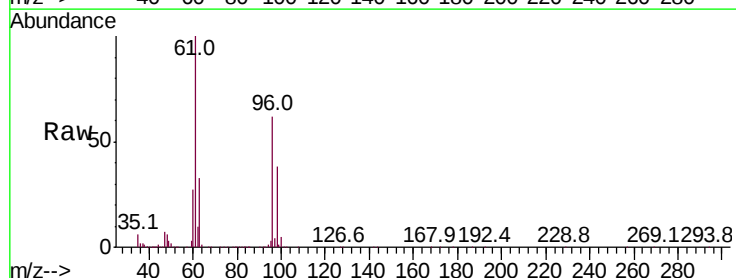
Delta R.T. -0.00 min

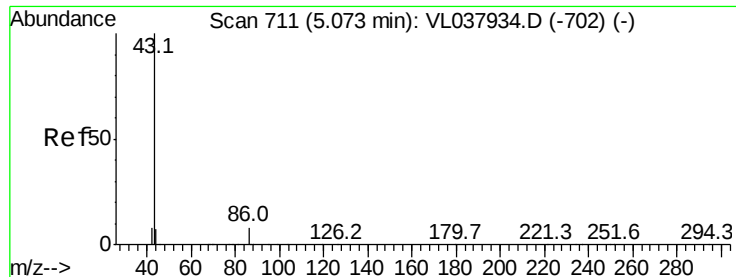
Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 96 Resp: 719262

Ion	Ratio	Lower	Upper
96	100		
61	160.4	127.8	191.6
98	61.5	56.9	85.3





#23

Vinyl Acetate

Concen: 11.246 ppbv

RT: 5.07 Instrument: MSVOA_1

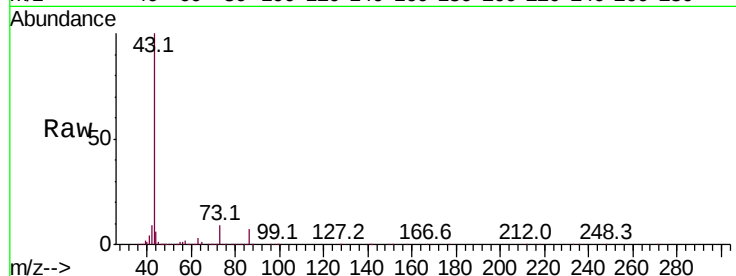
Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion: 43 Resp: 2215891

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	9.1	7.4	11.2
44	6.0	4.7	7.1

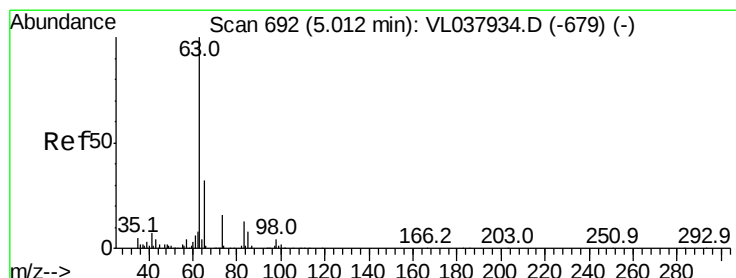
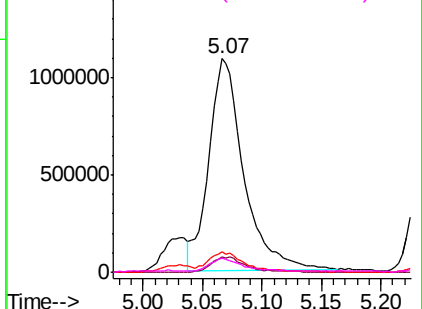
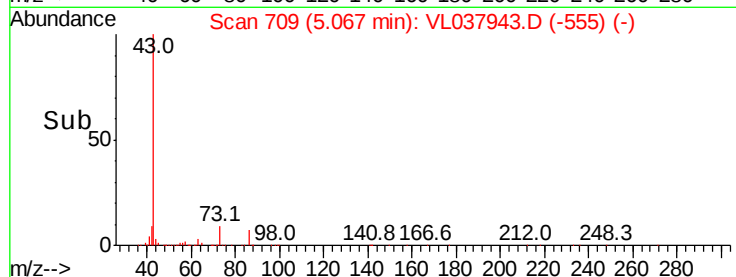


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.923 ppbv

RT: 5.01 min Scan# 690

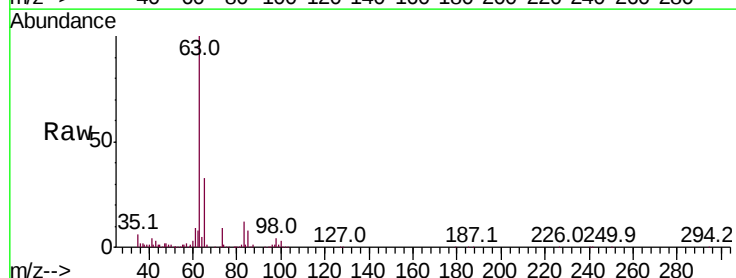
Delta R.T. -0.01 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 63 Resp: 1452638

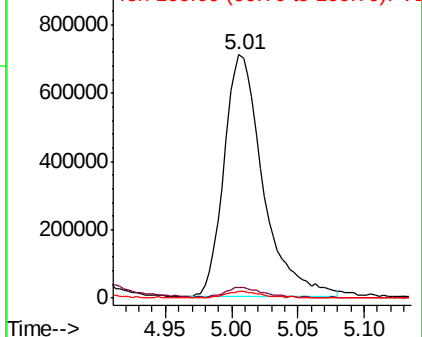
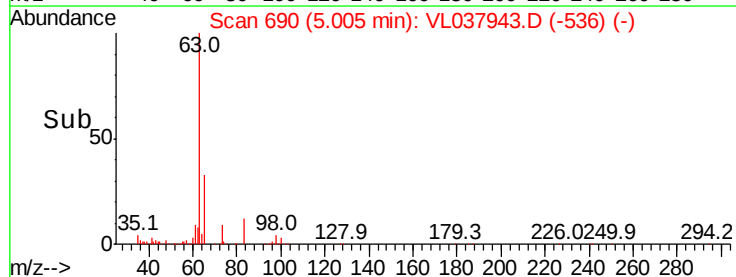
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.5	1.2	3.6

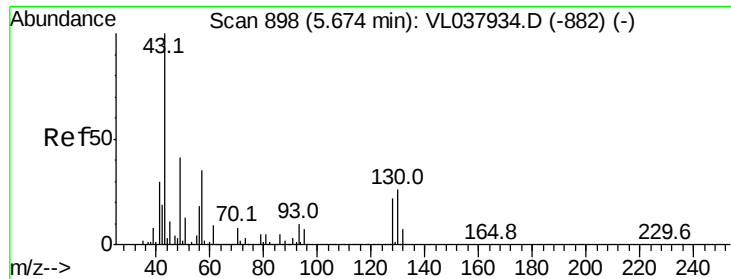


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

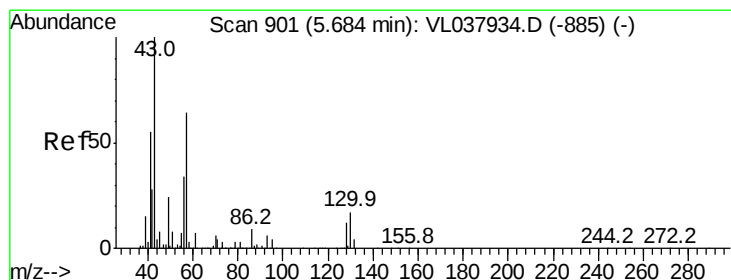
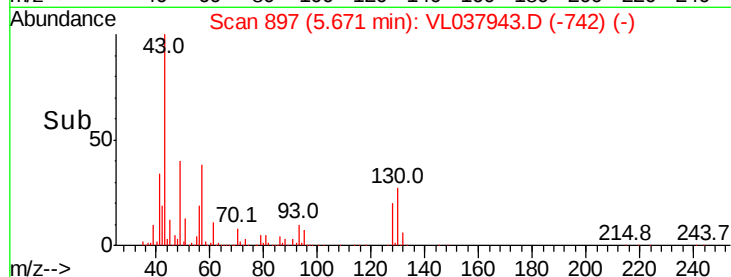
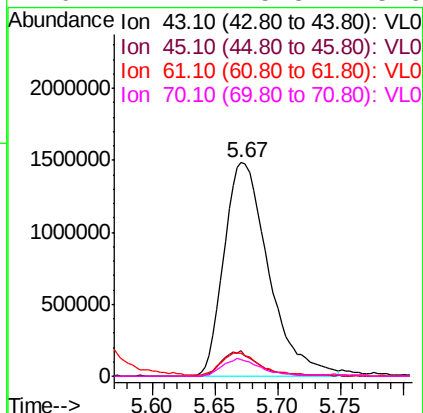
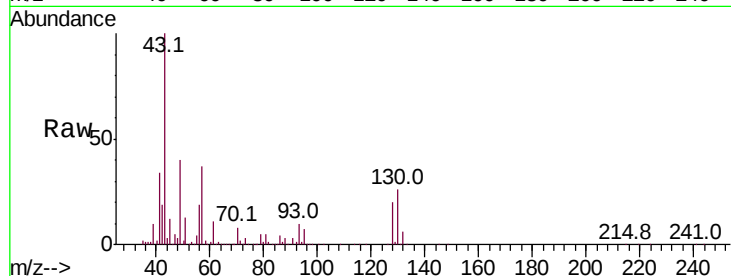




#25
Ethyl Acetate
Concen: 9.390 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

Tot Ion: 43 Resp: 3649826

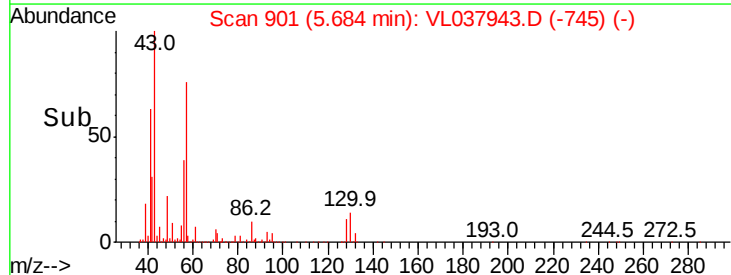
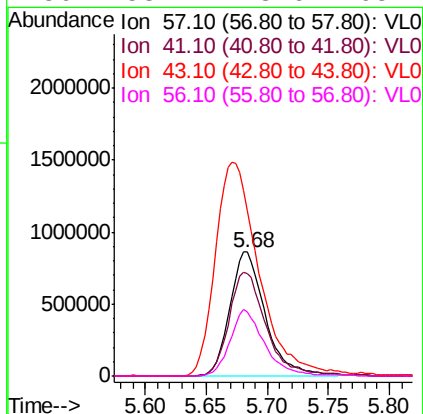
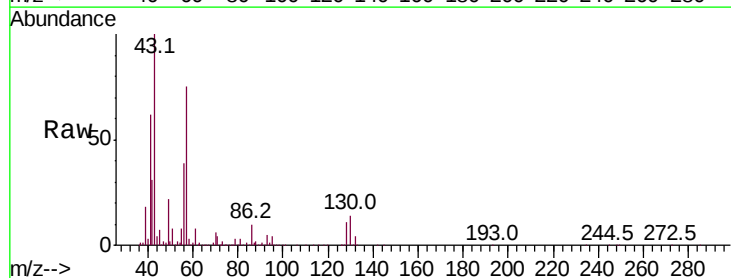
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.2	8.1	12.1
70	7.1	5.8	8.6

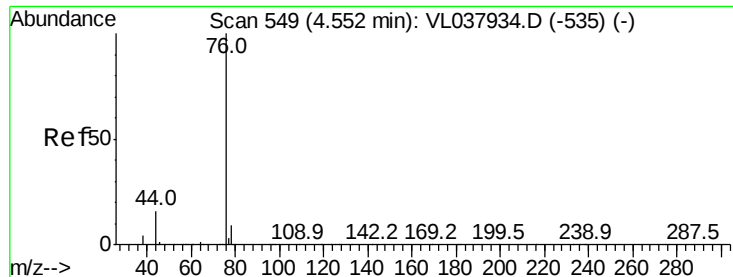


#26
Hexane
Concen: 9.469 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 57 Resp: 1743755

Ion	Ratio	Lower	Upper
57	100		
41	88.2	71.0	106.6
43	214.1	173.0	259.6
56	53.1	43.6	65.4





#27

Carbon Disulfide

Concen: 9.994 ppbv

RT: 4.55 Instrument: MSVOA_1

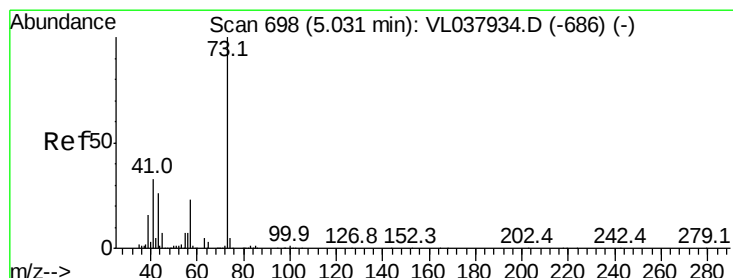
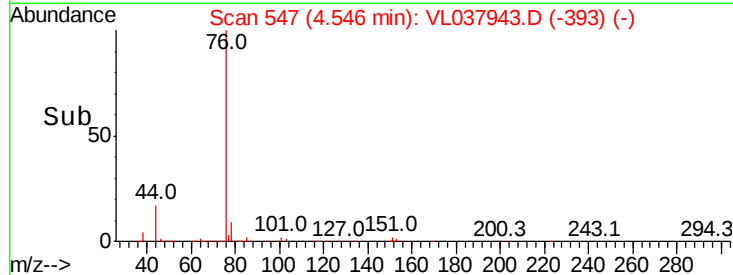
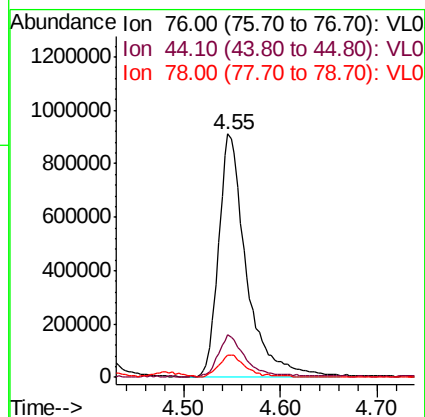
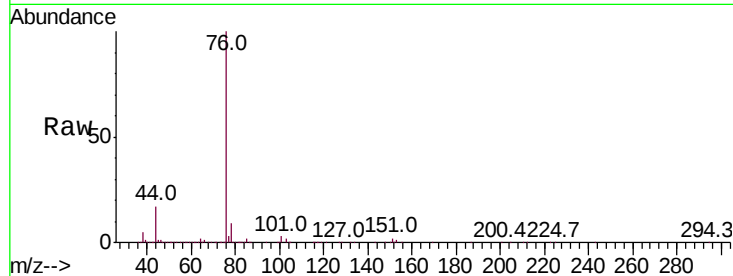
Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion: 76 Resp: 1817004

Ion	Ratio	Lower	Upper
76	100		
44	17.7	13.2	19.8
78	9.7	7.2	10.8



#28

Methyl tert-Butyl Ether

Concen: 9.969 ppbv

RT: 5.03 min Scan# 697

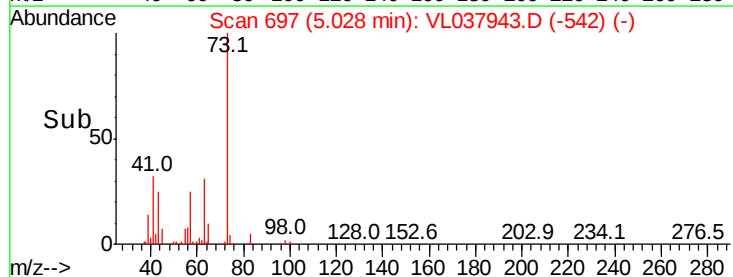
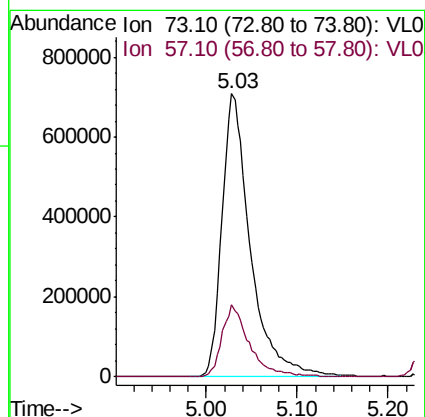
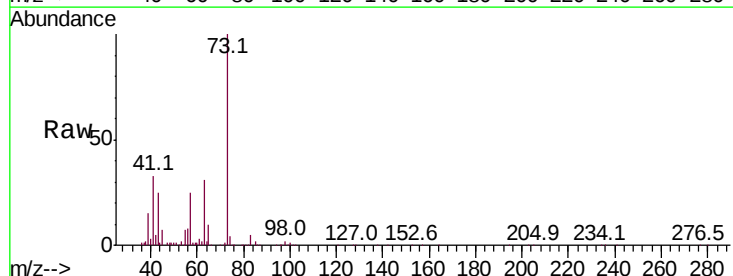
Delta R.T. -0.00 min

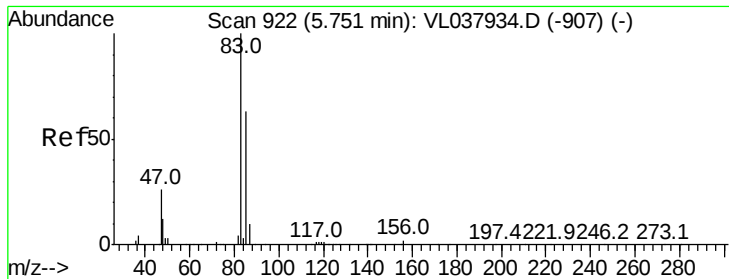
Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 73 Resp: 1543508

Ion	Ratio	Lower	Upper
73	100		
57	24.8	20.1	30.1





#29

Chloroform

Concen: 8.839 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

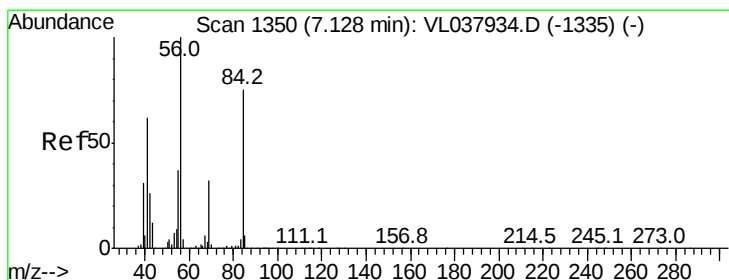
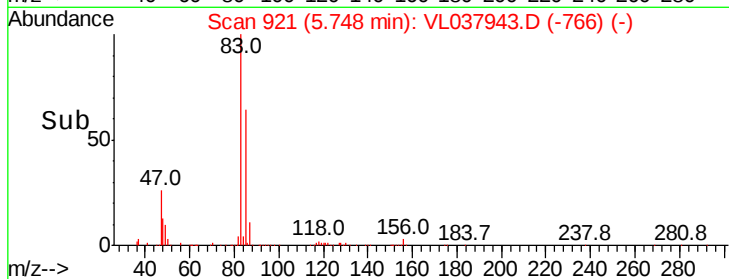
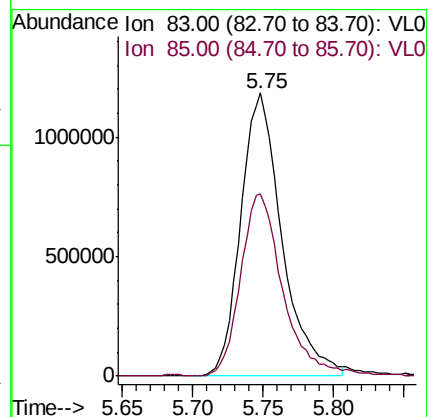
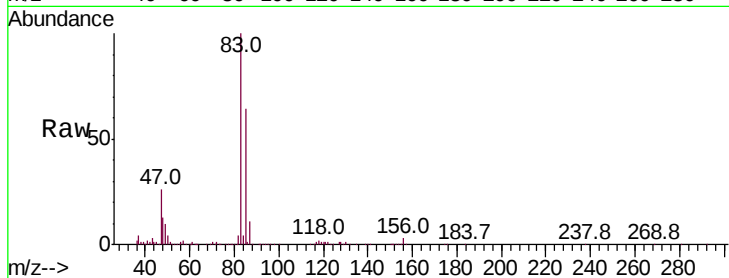
Acq: 1 Nov 2021 17:41 VL1101ABS01

Tot Ion: 83 Resp: 2427382

Ion Ratio Lower Upper

83 100

85 64.1 50.6 76.0



#30

Cyclohexane

Concen: 9.404 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

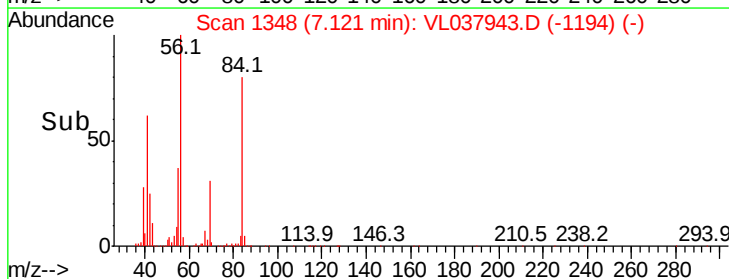
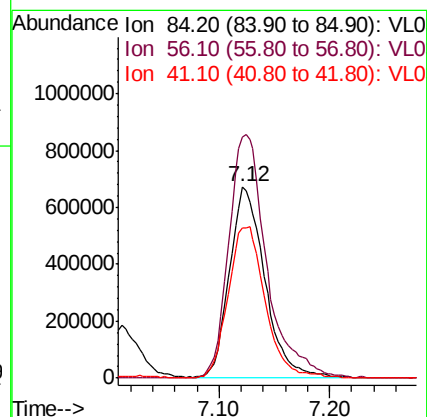
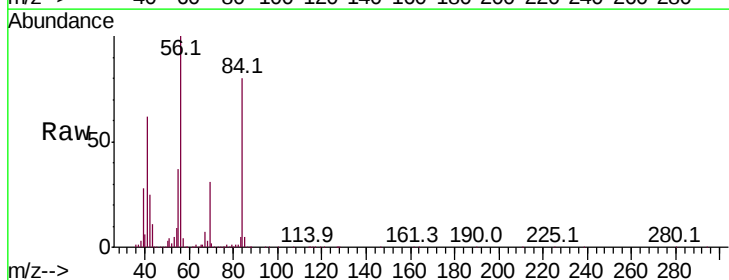
Tgt Ion: 84 Resp: 1480462

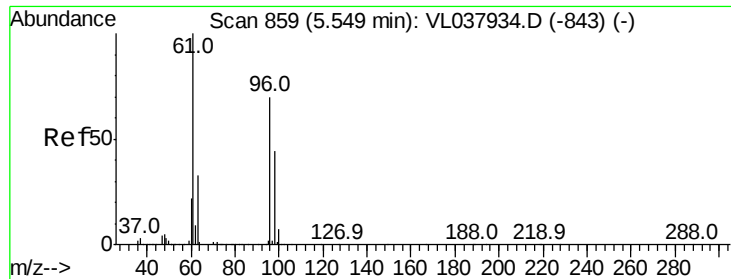
Ion Ratio Lower Upper

84 100

56 138.9 114.0 171.0

41 84.2 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 9.572 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

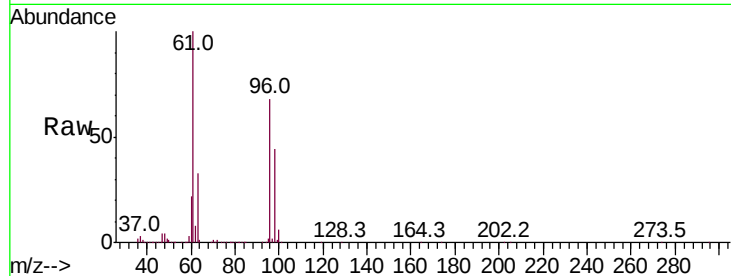
Tot Ion: 61 Resp: 1608219

Ion Ratio Lower Upper

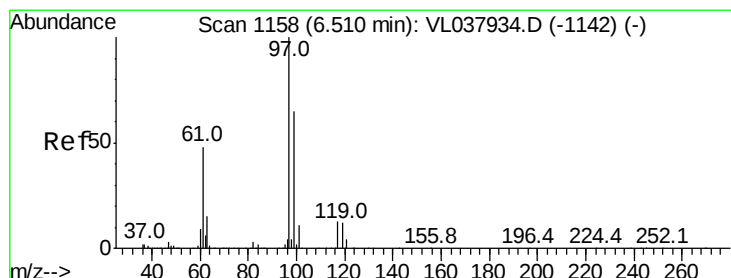
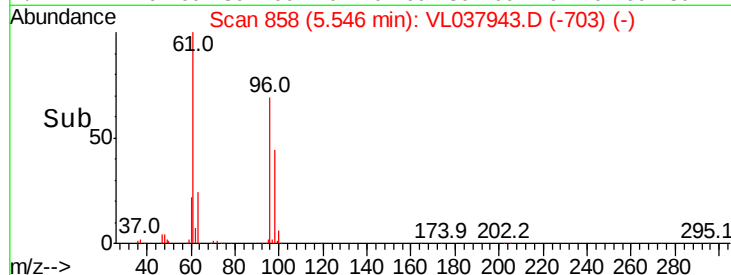
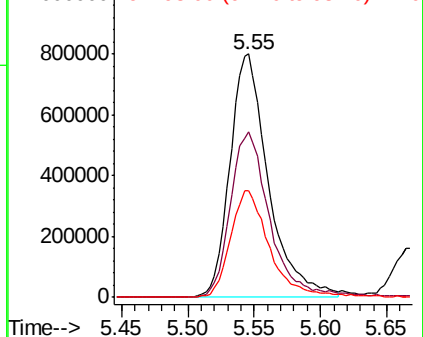
61 100

96 67.9 55.6 83.4

98 43.6 34.9 52.3



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: 8.525 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

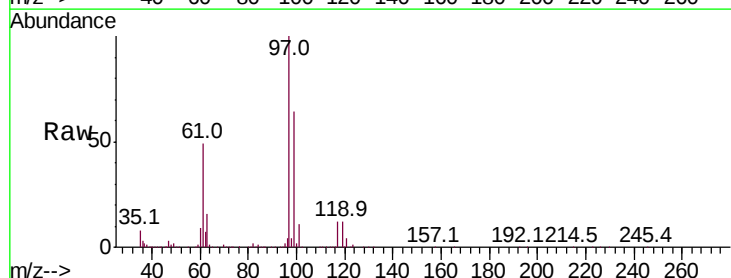
Tgt Ion: 97 Resp: 2301157

Ion Ratio Lower Upper

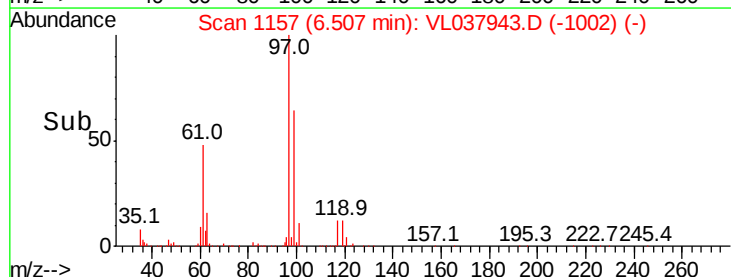
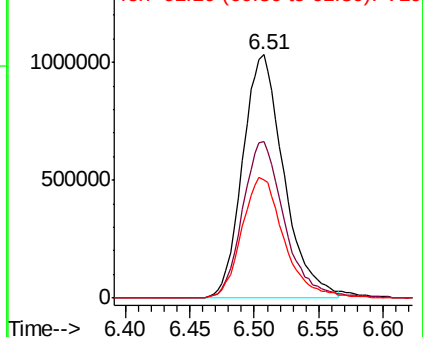
97 100

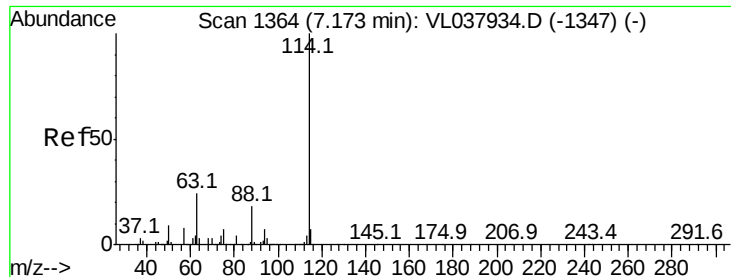
99 65.5 52.2 78.4

61 51.0 39.8 59.6



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: 7.17

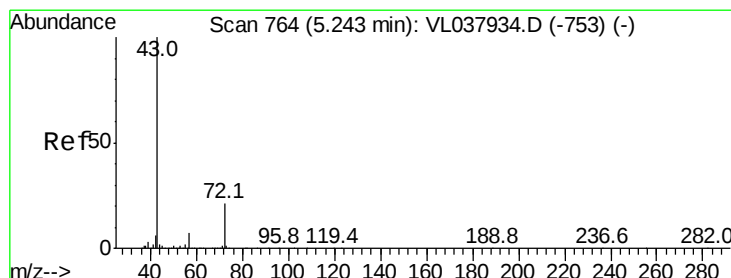
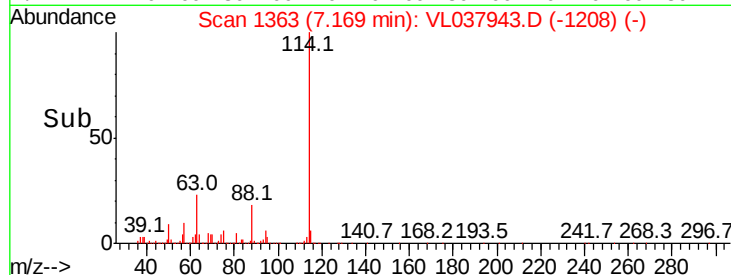
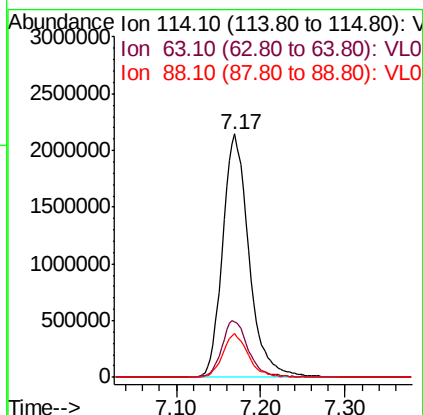
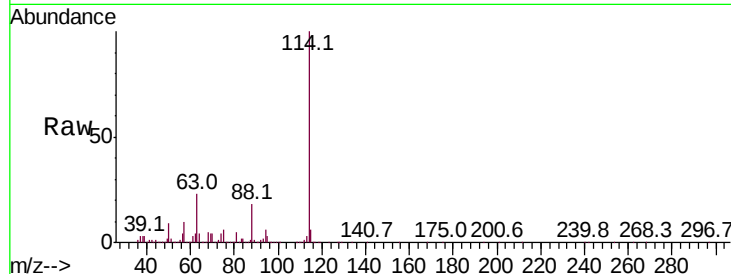
Delta R.T. MSVOA_L

Lab File: ClientSampleId: VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion:114 Resp: 4658057

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.4	29.0
88	17.5	14.2	21.4



#34

2-Butanone

Concen: 9.471 ppbv

RT: 5.24 min Scan# 763

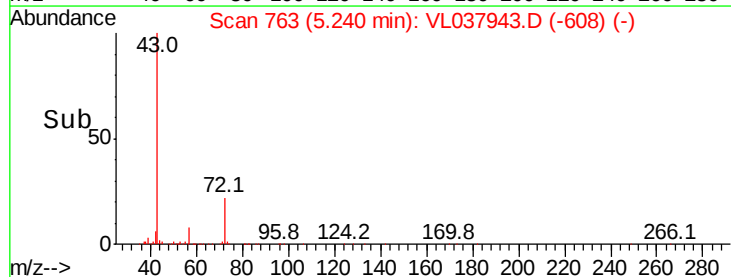
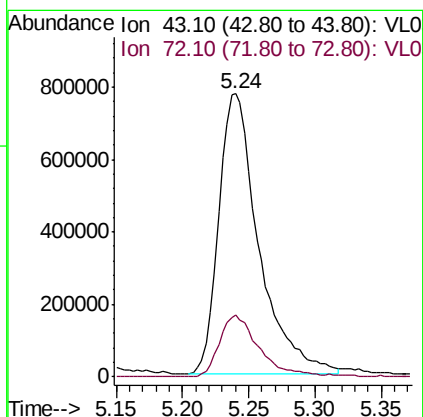
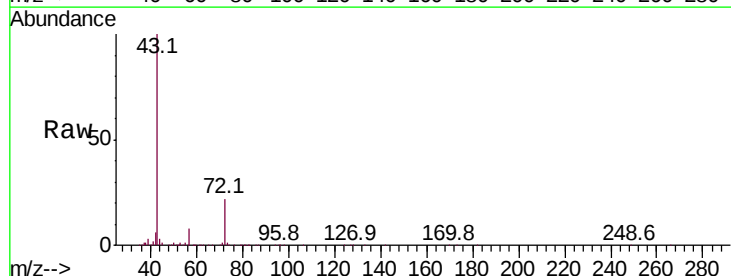
Delta R.T. -0.00 min

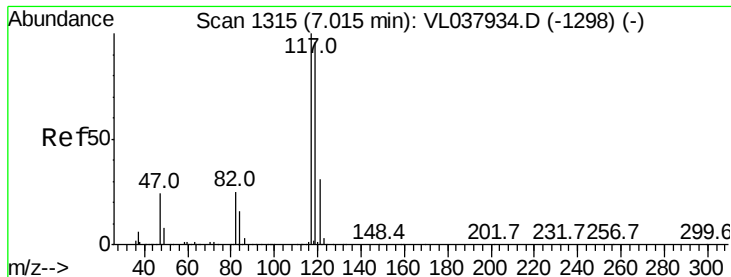
Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 43 Resp: 1634677

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.3	27.5





#35

Carbon Tetrachloride

Concen: 8.616 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41 VL1101ABS01

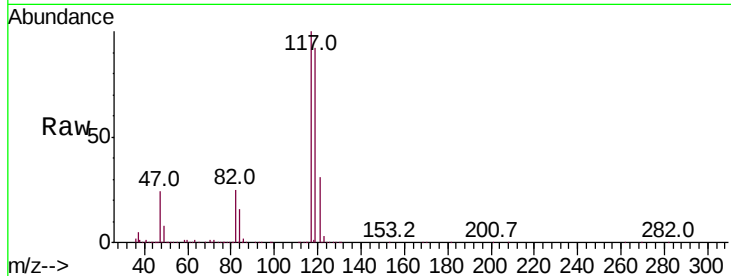
Tot Ion:117 Resp: 2426351

Ion Ratio Lower Upper

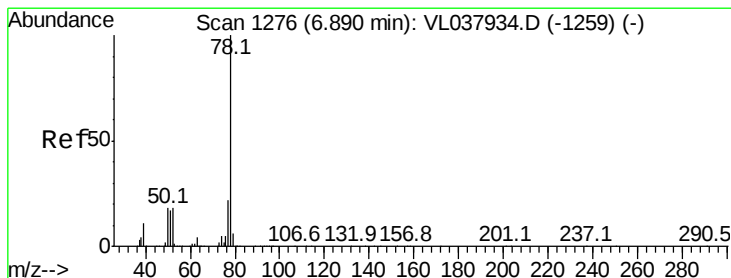
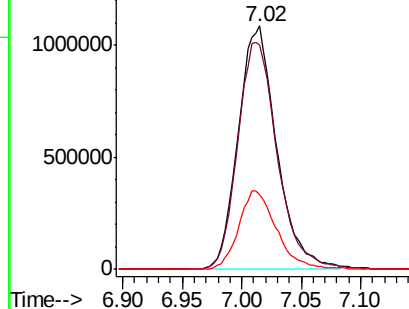
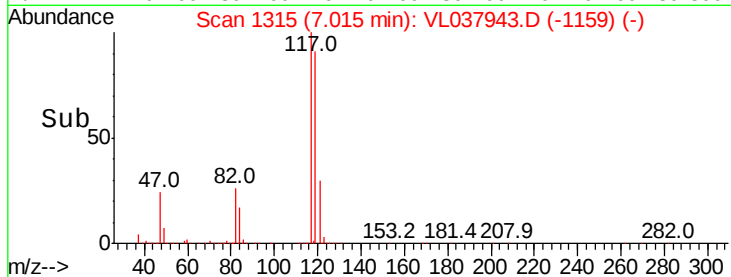
117 100

119 91.9 76.6 114.8

121 30.5 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.451 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

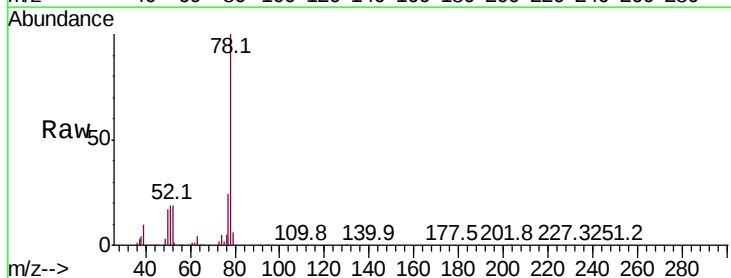
Tgt Ion: 78 Resp: 3585155

Ion Ratio Lower Upper

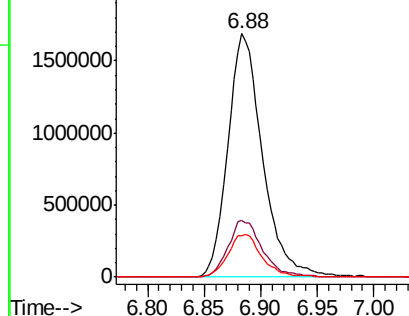
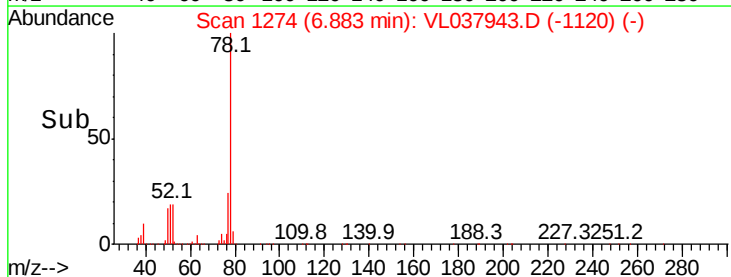
78 100

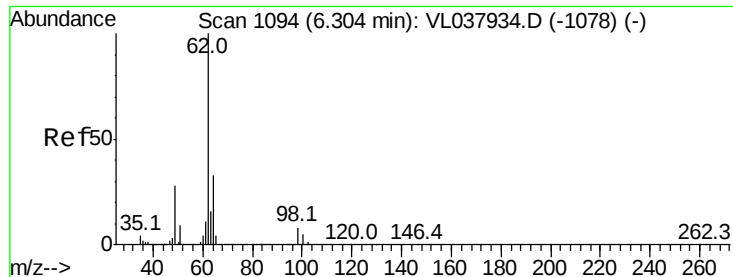
77 23.5 17.9 26.9

50 17.1 14.4 21.6



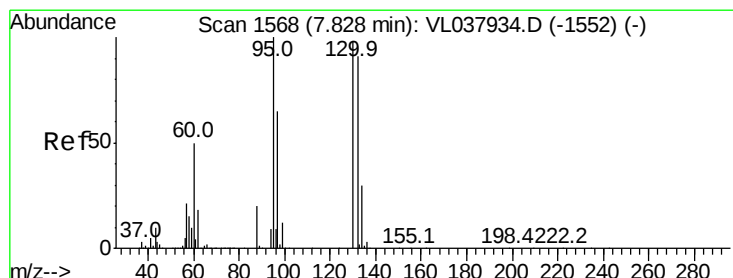
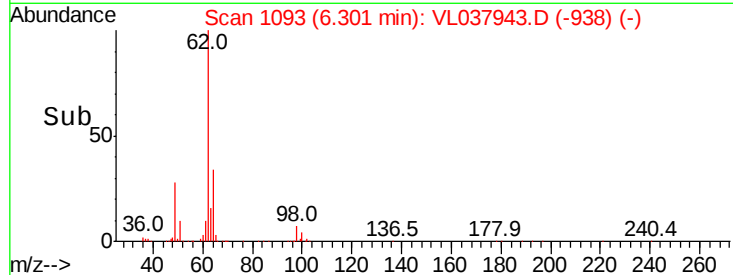
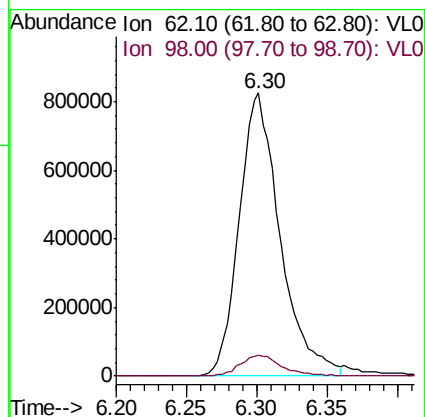
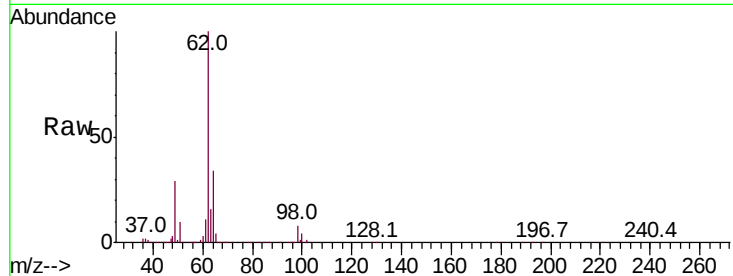
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





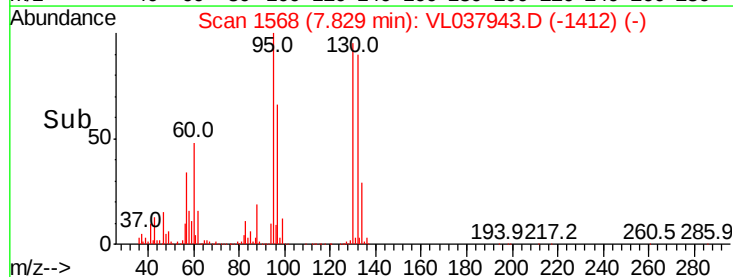
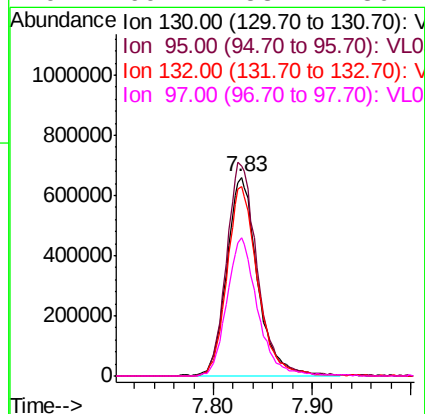
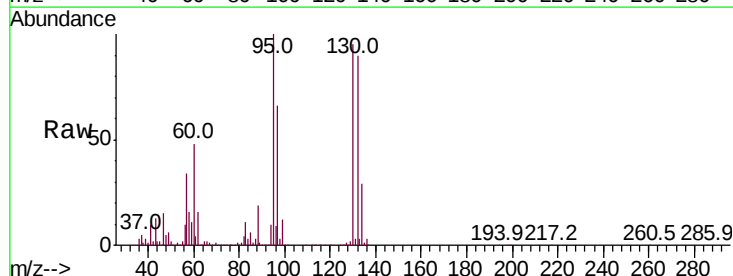
#37
 1,2-Dichloroethane
 Concen: 9.320 ppbv
 RT: 6.30
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL1101ABS01
 Acq: 1 Nov 2021 17:41

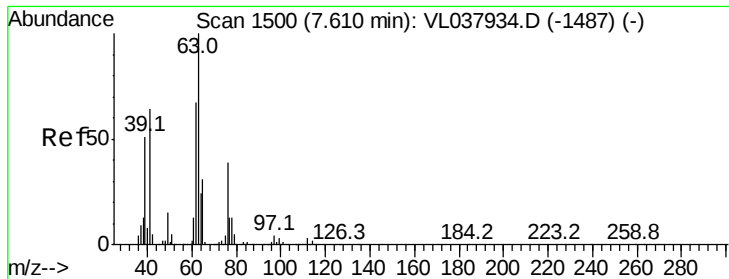
Tot Ion: 62 Resp: 1680743
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.5 9.7



#38
 Trichloroethene
 Concen: 9.169 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL037943.D
 Acq: 1 Nov 2021 17:41

Tgt Ion:130 Resp: 1443601
 Ion Ratio Lower Upper
 130 100
 95 105.7 81.8 122.8
 132 95.4 74.2 111.2
 97 69.7 53.4 80.2





#39

1,2-Dichloropropane

Concen: 9.646 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41 VL1101ABS01

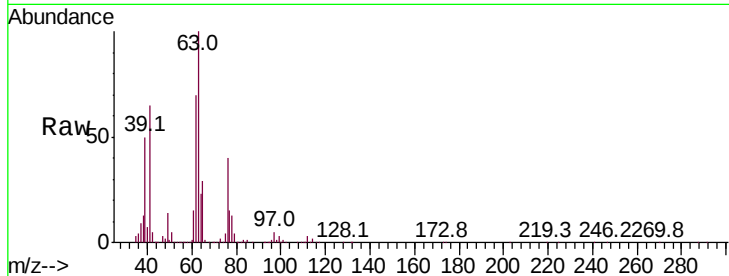
Tot Ion: 63 Resp: 1376822

Ion Ratio Lower Upper

63 100

41 64.5 51.6 77.4

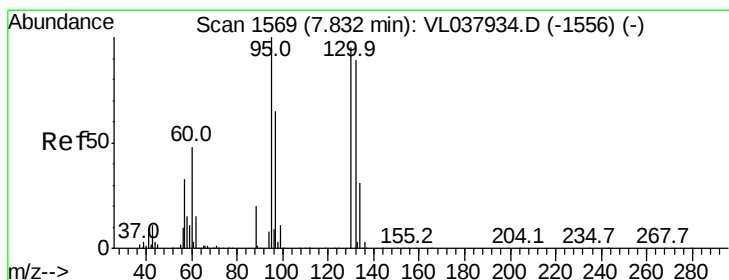
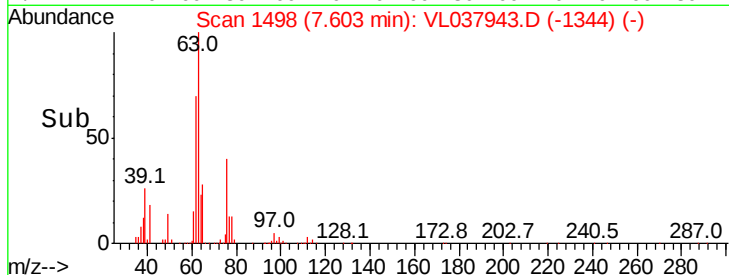
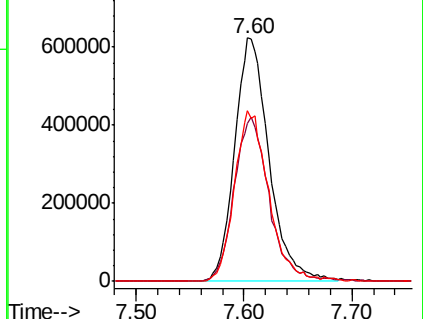
62 70.0 53.5 80.3



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



#40

1,4-Dioxane

Concen: 7.970 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 88 Resp: 299587

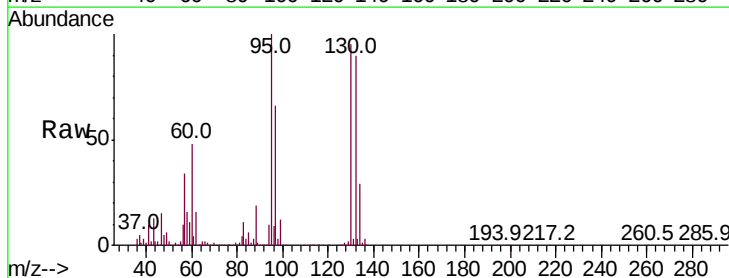
Ion Ratio Lower Upper

88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#

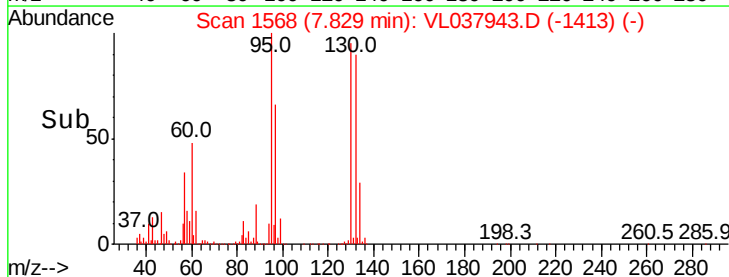
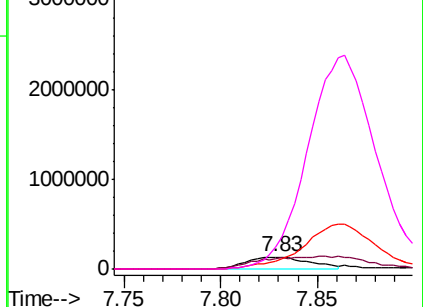


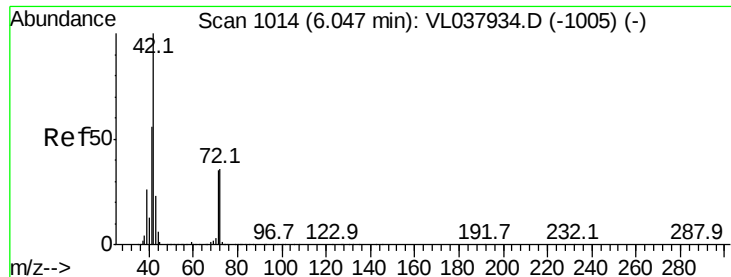
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.212 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

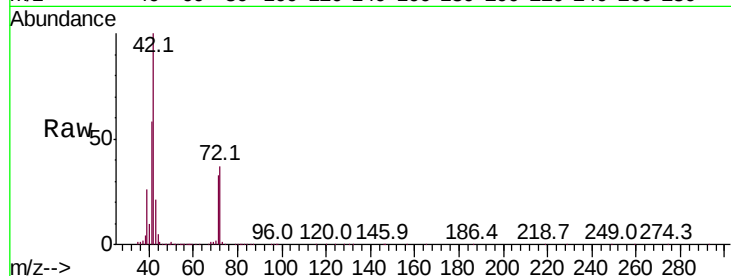
Tot Ion: 42 Resp: 862470

Ion Ratio Lower Upper

42 100

72 37.8 31.5 47.3

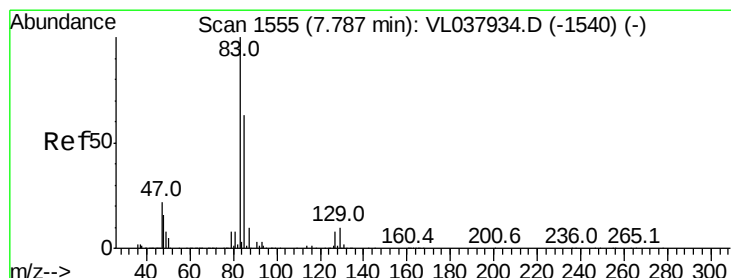
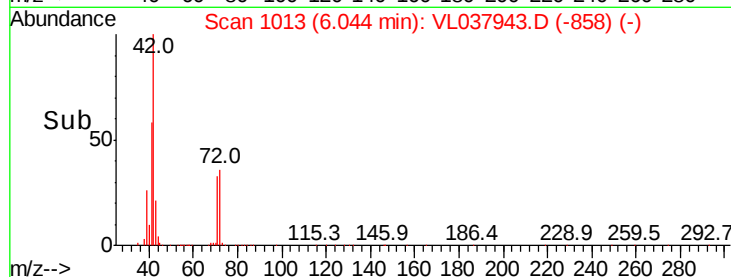
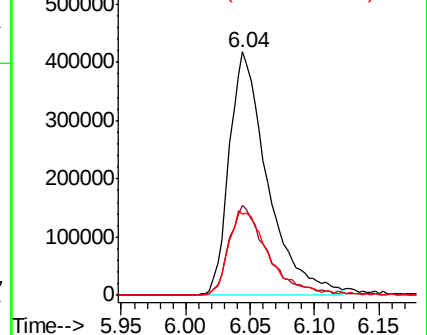
71 37.5 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.405 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

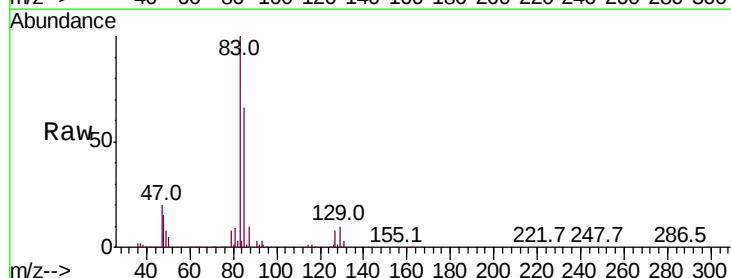
Tgt Ion: 83 Resp: 2564526

Ion Ratio Lower Upper

83 100

85 65.9 50.1 75.1

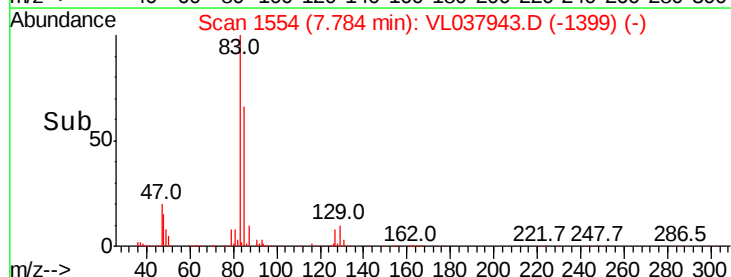
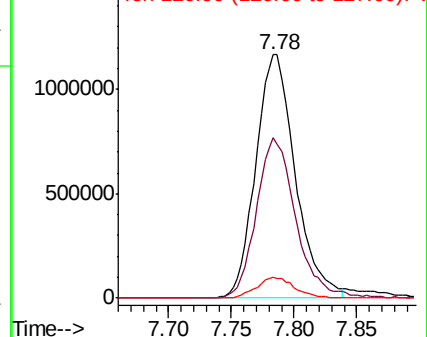
127 8.4 6.1 9.1

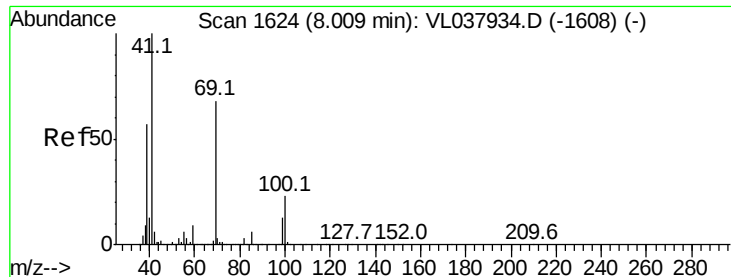


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.444 ppbv

RT: 8.01

Instrument: MSVOA_1

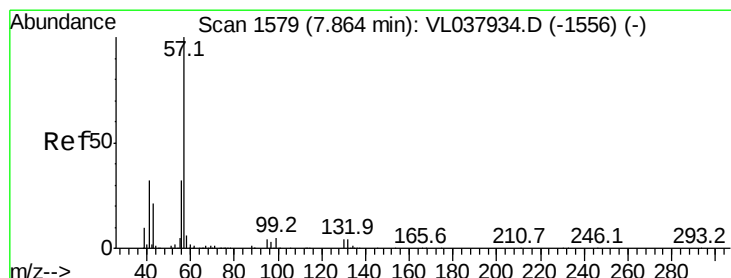
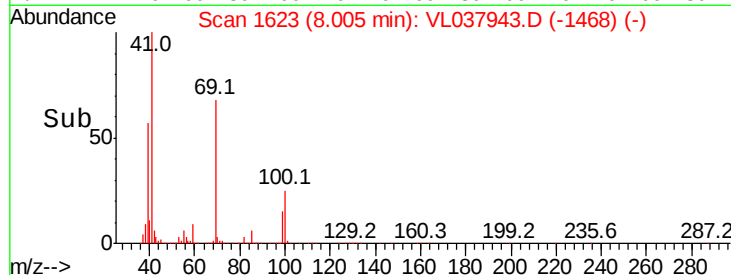
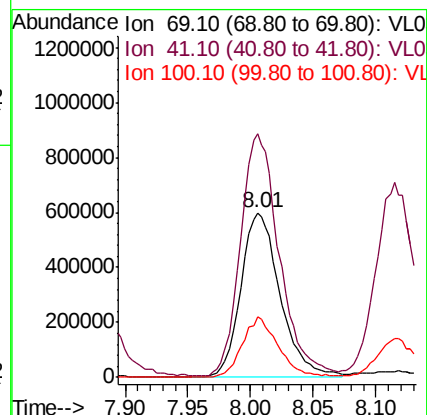
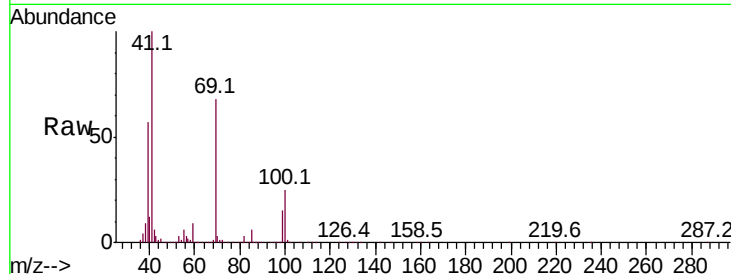
Delta R.T. ClientSampleId:

Lab File: VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion: 69 Resp: 1300416

Ion	Ratio	Lower	Upper
69	100		
41	147.4	117.4	176.2
100	33.6	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.317 ppbv

RT: 7.86 min Scan# 1579

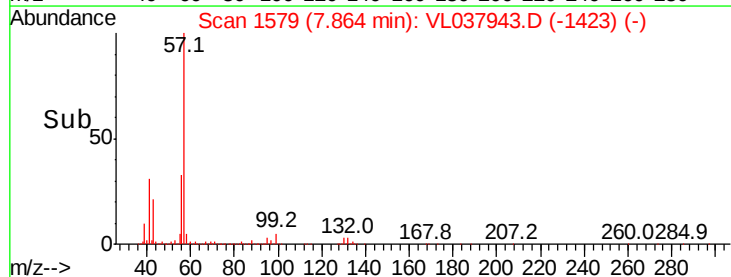
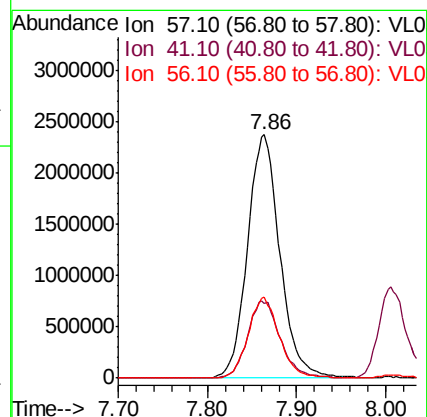
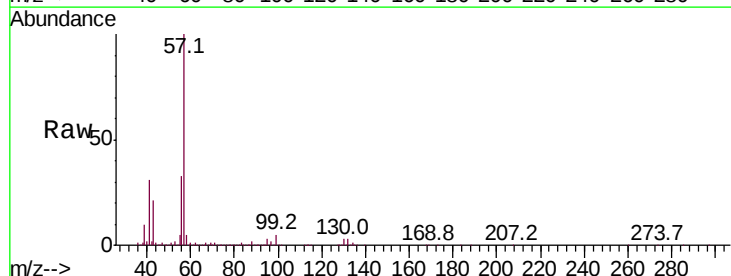
Delta R.T. 0.00 min

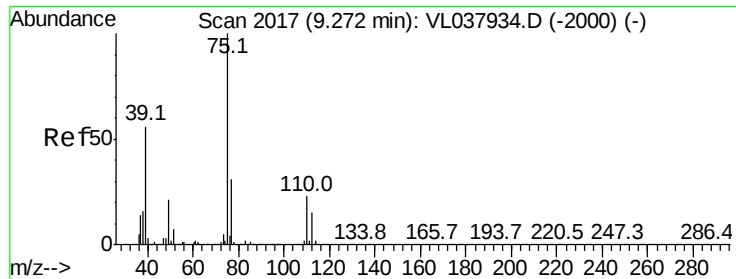
Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 57 Resp: 6011047

Ion	Ratio	Lower	Upper
57	100		
41	32.2	25.8	38.8
56	32.0	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 11.563 ppbv

RT: 9.27

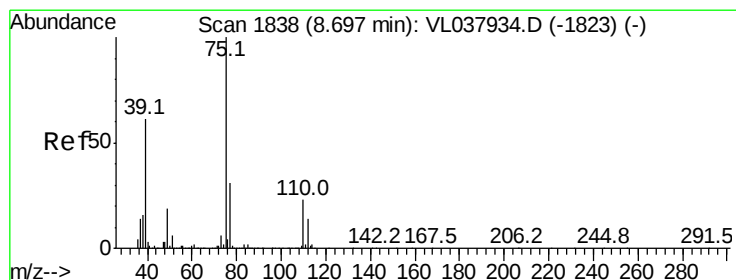
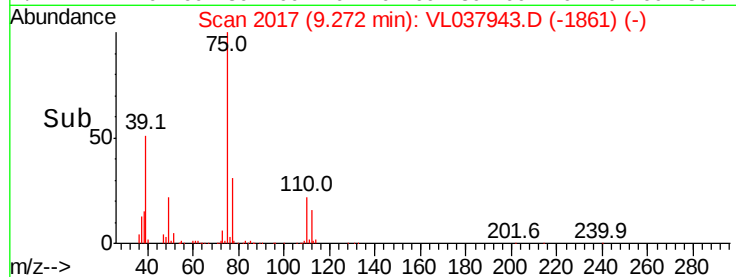
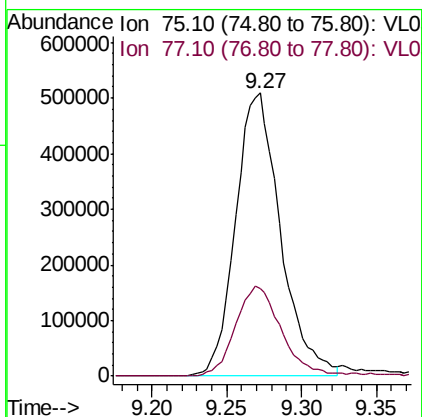
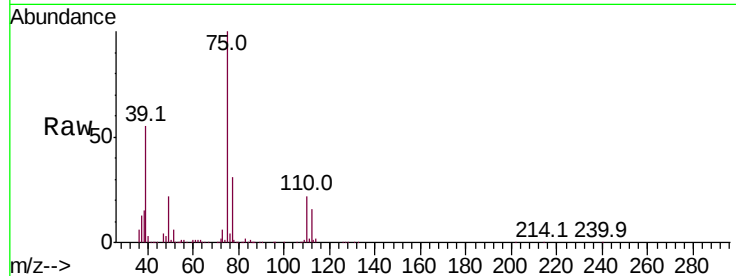
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion: 75 Resp: 1057894

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8



#46

cis-1,3-Dichloropropene

Concen: 11.130 ppbv

RT: 8.70 min Scan# 1838

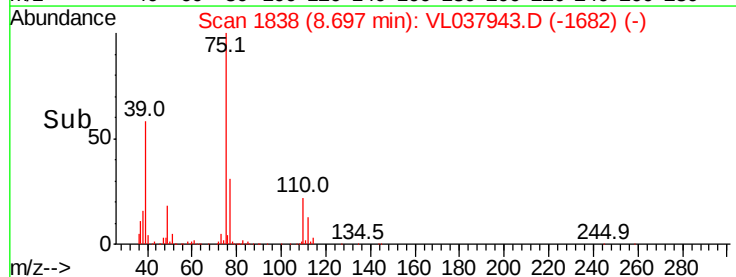
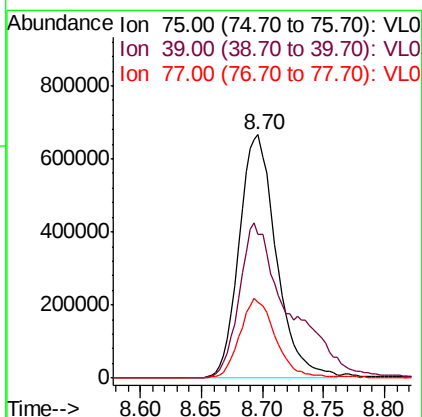
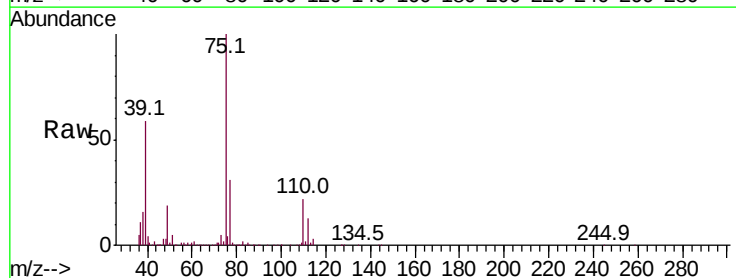
Delta R.T. 0.00 min

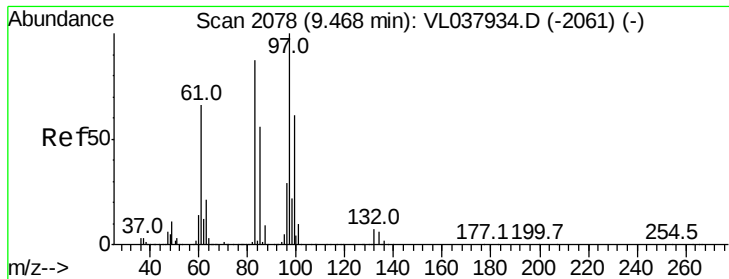
Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 75 Resp: 1399981

Ion	Ratio	Lower	Upper
75	100		
39	58.6	48.8	73.2
77	31.3	24.6	36.8





#47

1,1,2-Trichloroethane

Concen: 9.011 ppbv

RT: 9.47 Instrument:

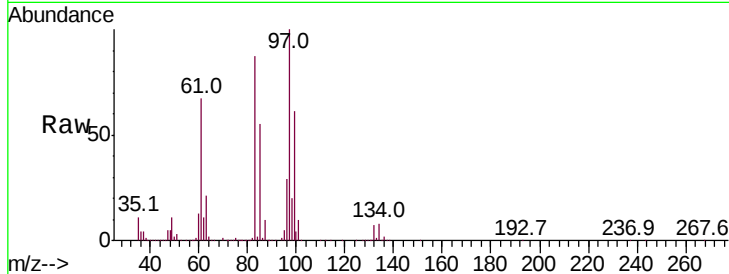
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41 VL1101ABS01

Tot Ion: 97 Resp: 1445019

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.2
85	55.1	45.0	67.6
99	61.3	48.7	73.1

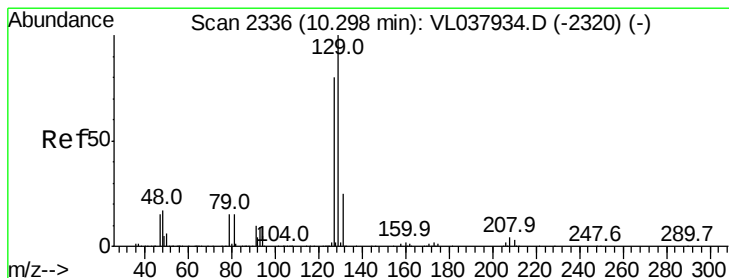
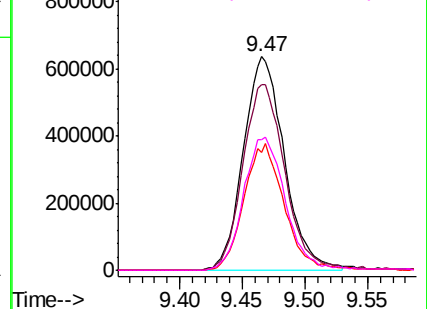
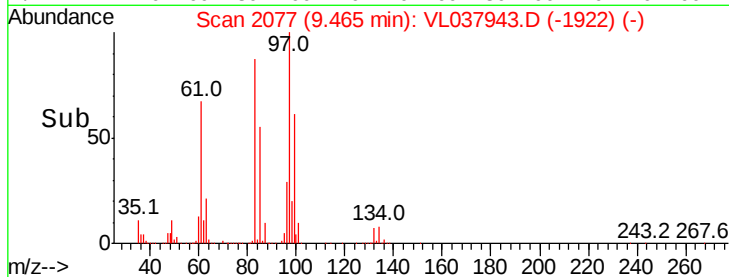


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.076 ppbv

RT: 10.29 min Scan# 2335

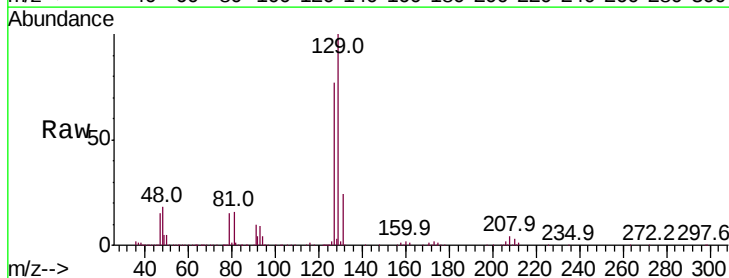
Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

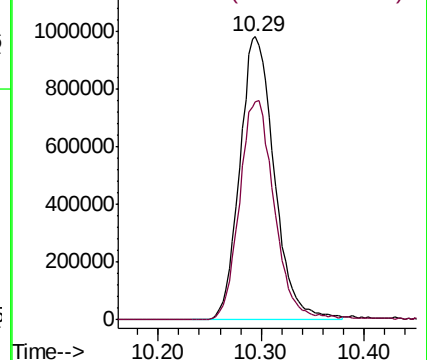
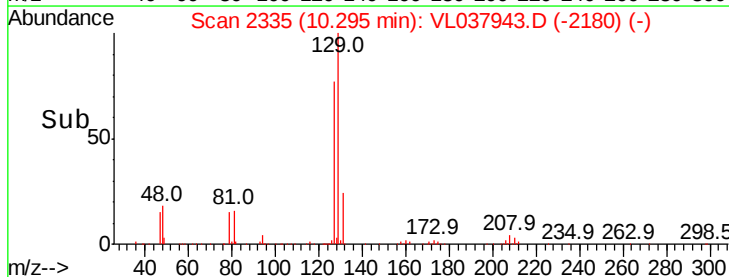
Tgt Ion:129 Resp: 2287874

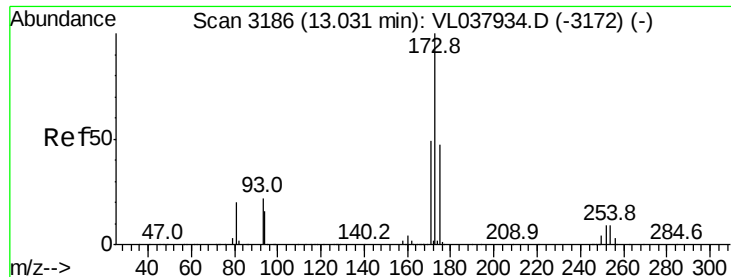
Ion	Ratio	Lower	Upper
129	100		
127	78.7	40.3	120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.518 ppbv

RT: 13.03

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41

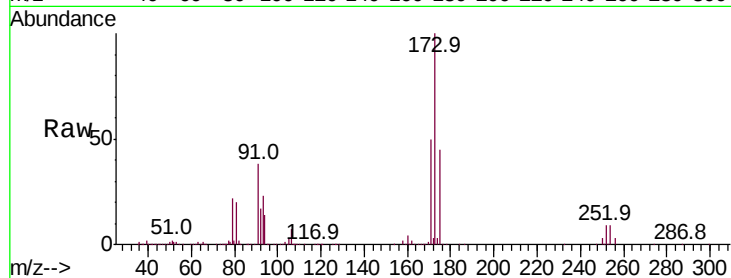
Tot Ion:173 Resp: 1887725

Ion Ratio Lower Upper

173 100

175 51.2 39.5 59.3

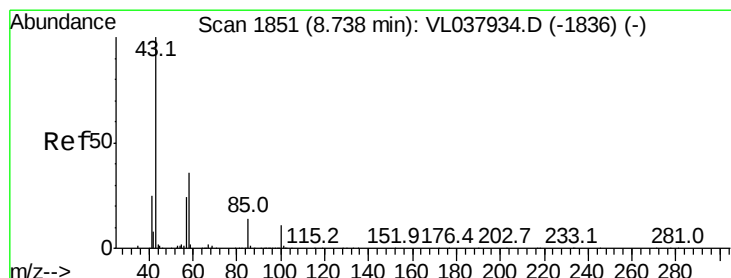
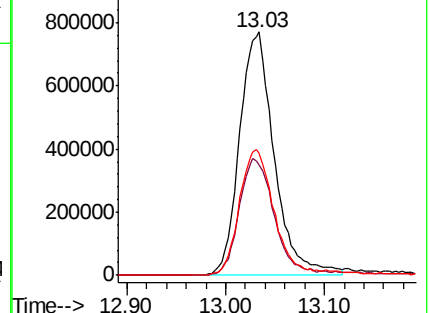
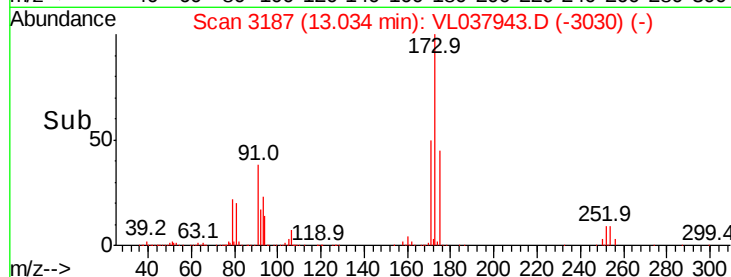
171 54.5 43.6 65.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.020 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL037943.D

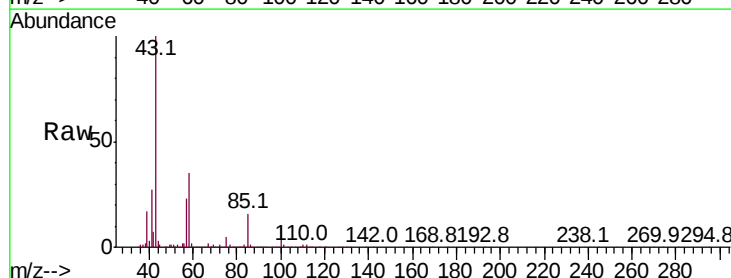
Acq: 1 Nov 2021 17:41

Tgt Ion: 43 Resp: 2272295

Ion Ratio Lower Upper

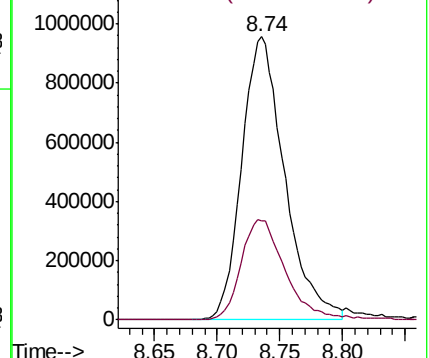
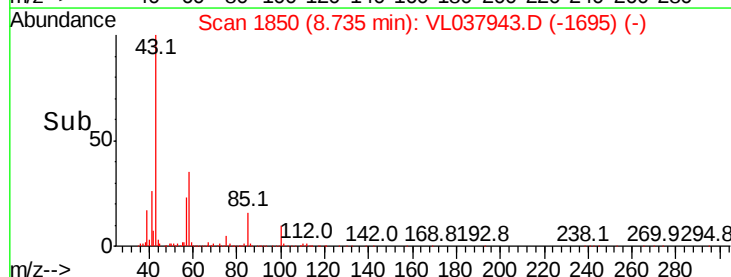
43 100

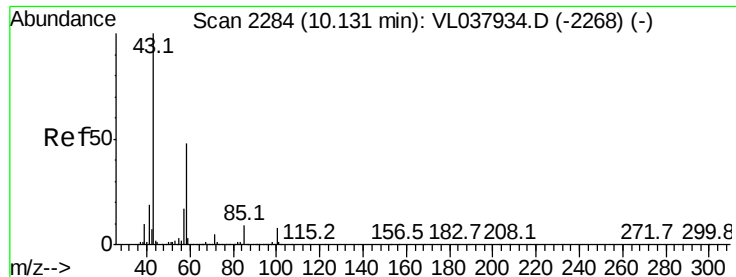
58 36.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

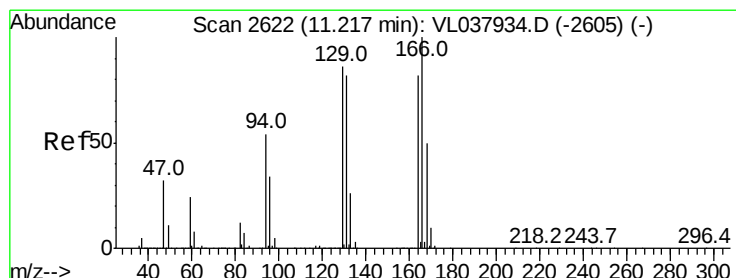
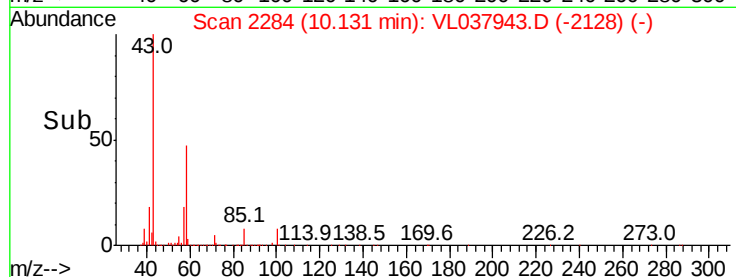
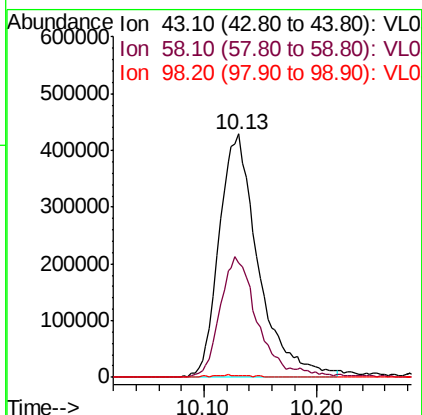
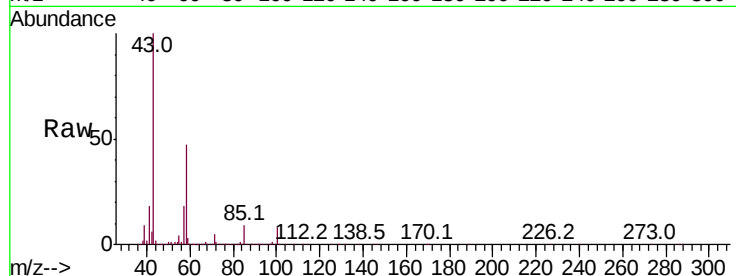
Ion 58.10 (57.80 to 58.80): VL0





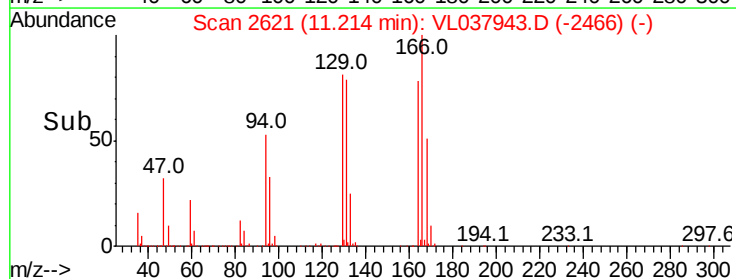
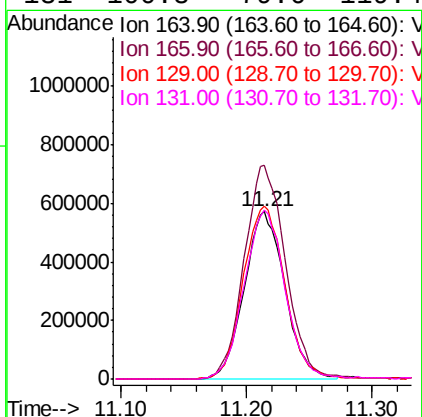
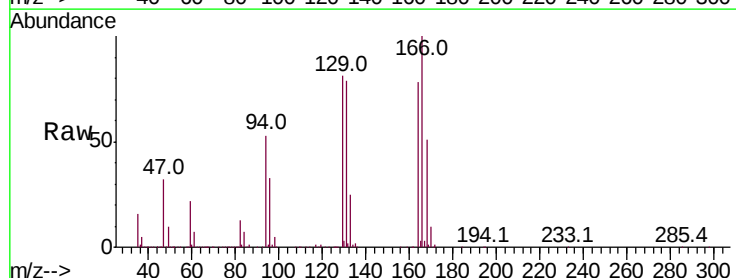
#51
2-Hexanone
Concen: 10.710 ppbv
RT: 10.13 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

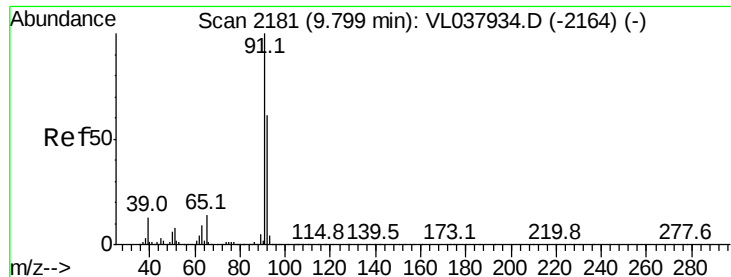
Tot Ion: 43 Resp: 1023650
Ion Ratio Lower Upper
43 100
58 48.9 38.6 57.8
98 1.0 1.0 1.4



#52
Tetrachloroethene
Concen: 8.938 ppbv
RT: 11.21 min Scan# 2621
Delta R.T.: -0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 164 Resp: 1286164
Ion Ratio Lower Upper
164 100
166 127.4 97.6 146.4
129 103.5 84.2 126.2
131 100.8 79.6 119.4





#53

Toluene

Concen: 10.222 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

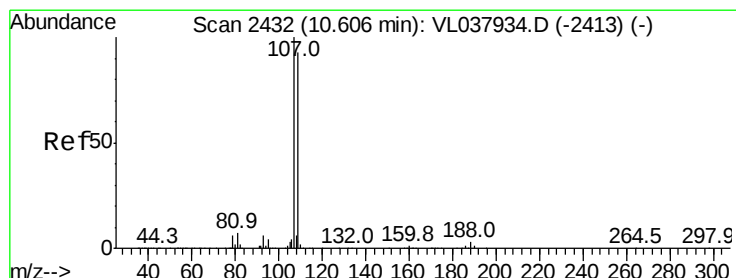
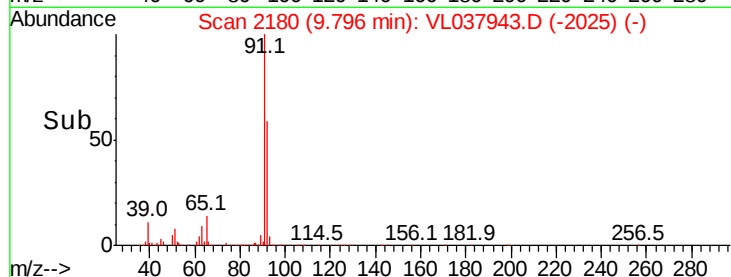
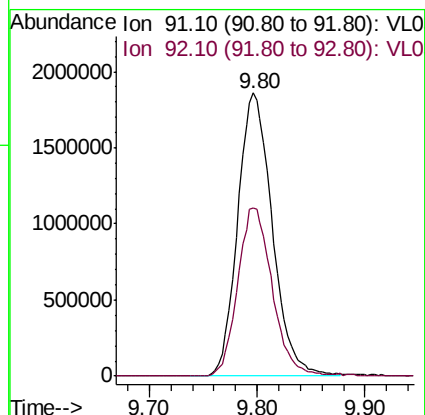
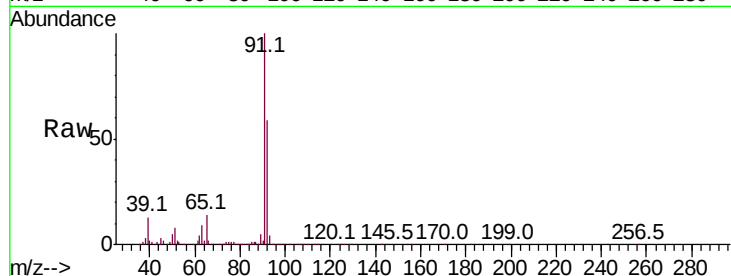
Acq: 1 Nov 2021 17:41 VL1101ABS01

Tot Ion: 91 Resp: 4157149

Ion Ratio Lower Upper

91 100

92 59.8 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.883 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL037943.D

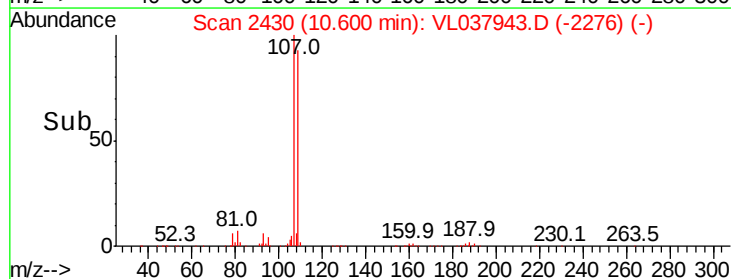
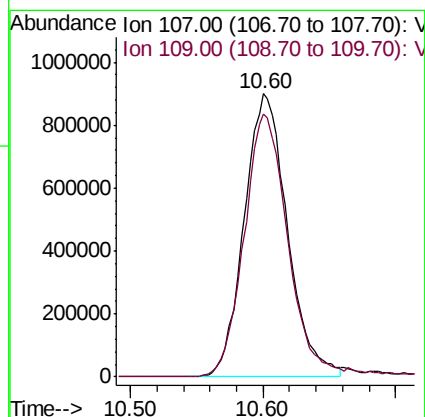
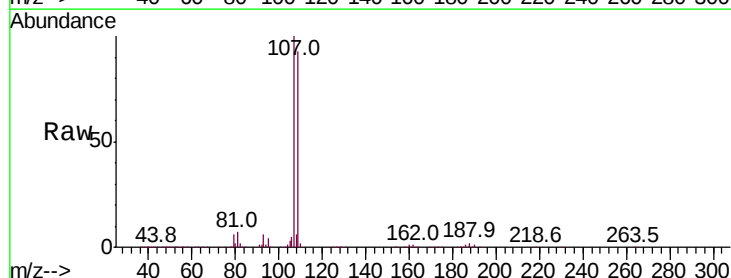
Acq: 1 Nov 2021 17:41

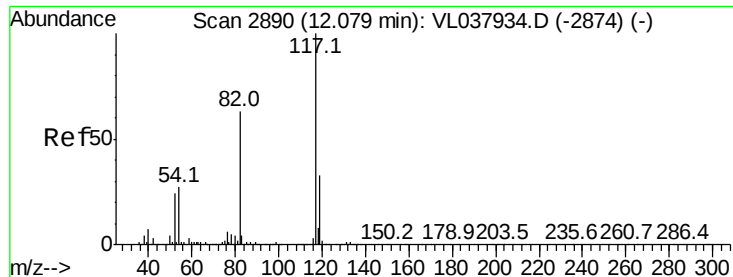
Tgt Ion: 107 Resp: 2043991

Ion Ratio Lower Upper

107 100

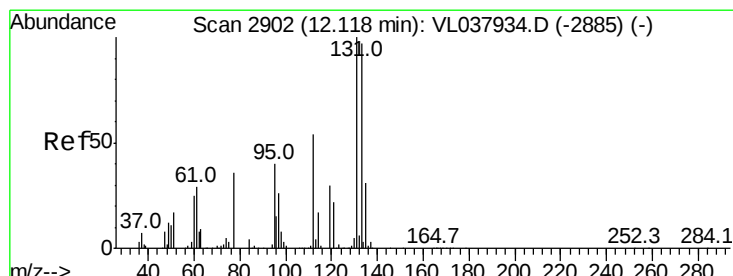
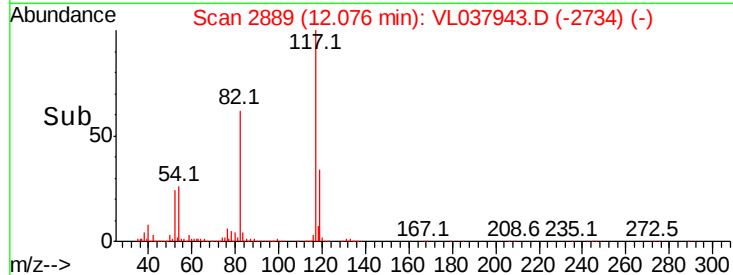
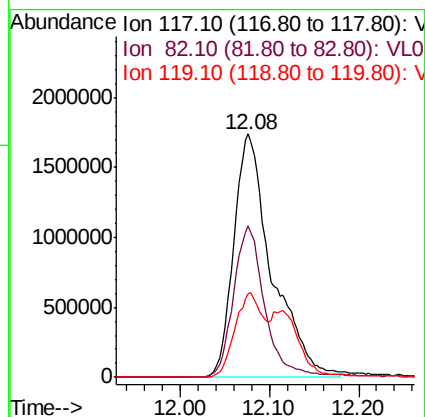
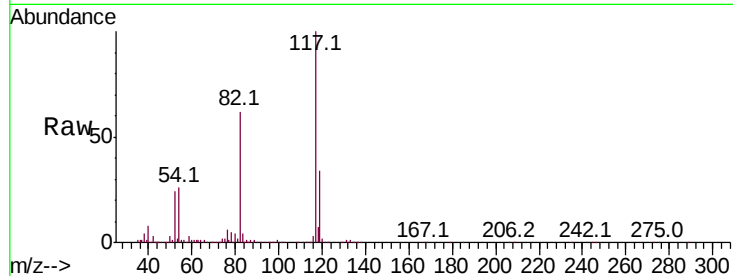
109 93.0 74.5 111.7





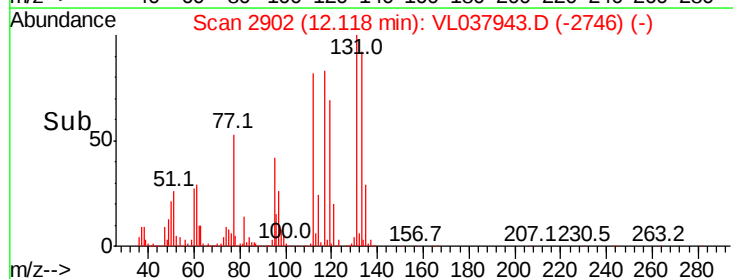
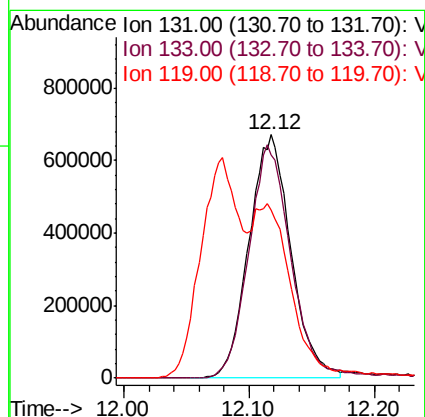
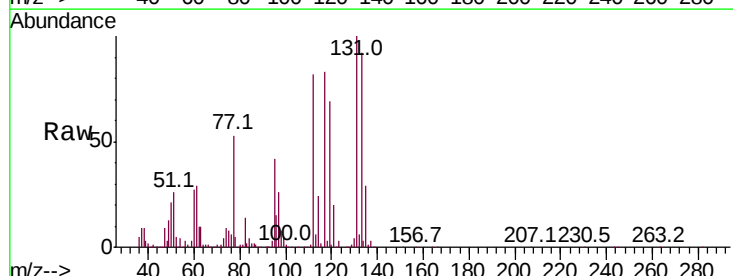
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

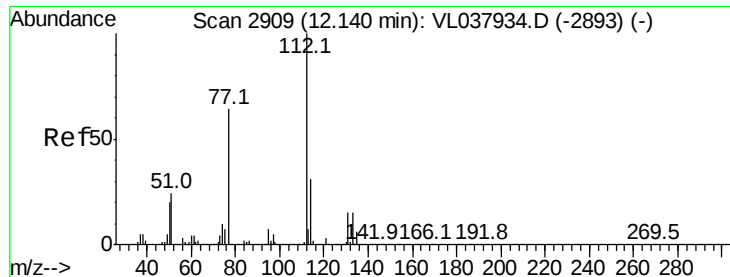
Tot Ion:117 Resp: 5145603
Ion Ratio Lower Upper
117 100
82 51.6 51.0 76.6
119 24.5 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.492 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

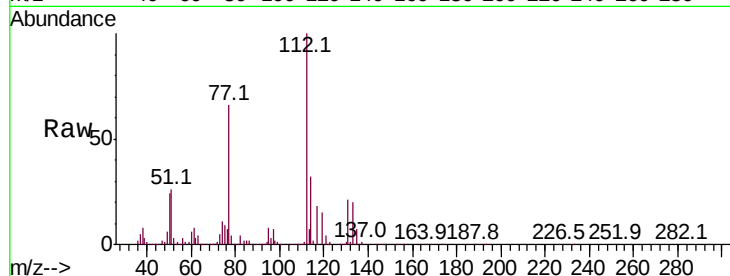
Tgt Ion:131 Resp: 1556384
Ion Ratio Lower Upper
131 100
133 99.0 79.6 119.4
119 69.0 125.4 188.2#



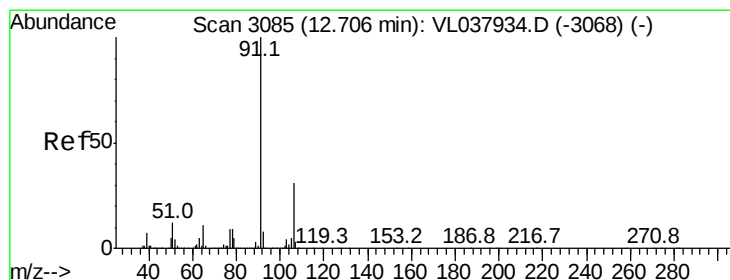
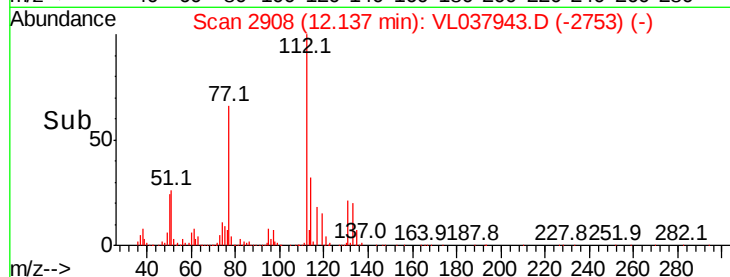
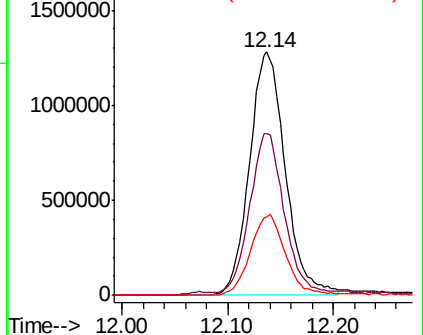


#57
Chlorobenzene
Concen: 7.392 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

Tot Ion: 112 Resp: 3036126
Ion Ratio Lower Upper
112 100
77 65.6 51.1 76.7
114 32.3 27.9 34.1

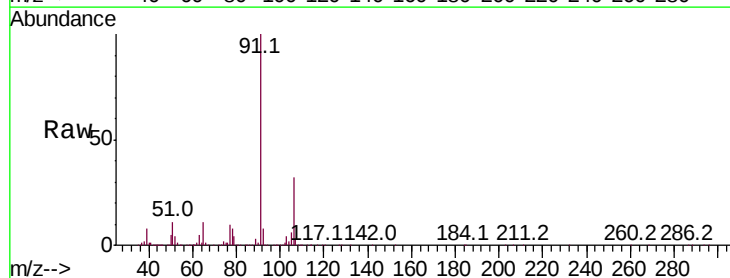


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

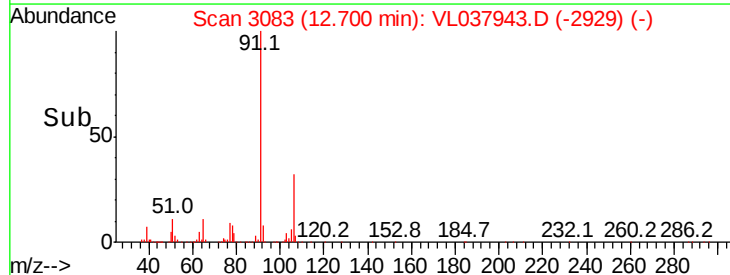
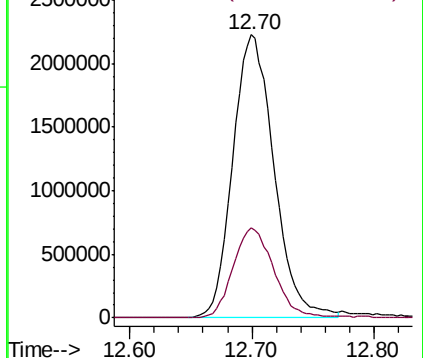


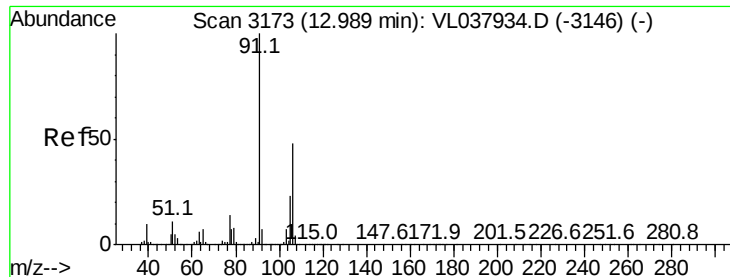
#58
Ethyl Benzene
Concen: 8.260 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: -0.01 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 91 Resp: 5197765
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



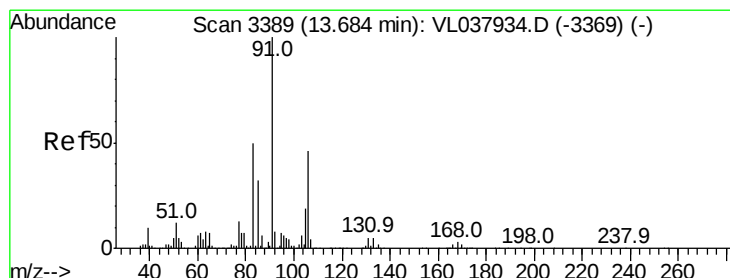
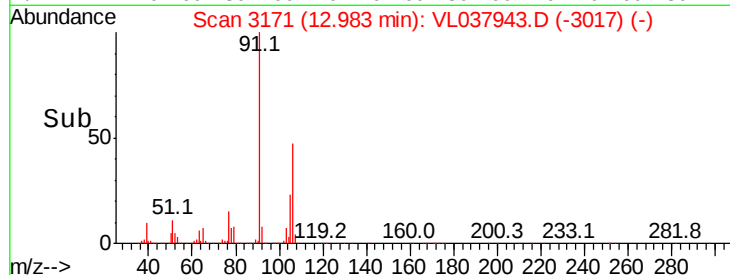
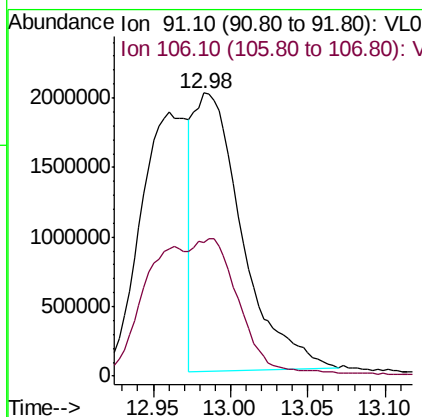
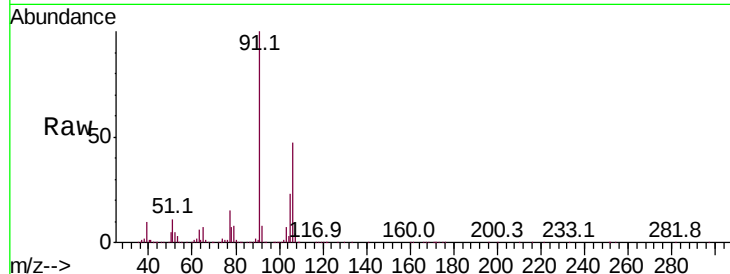
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





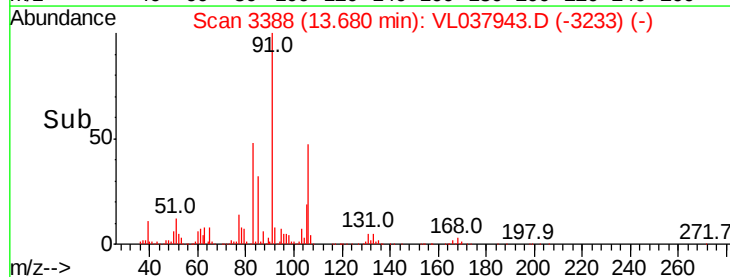
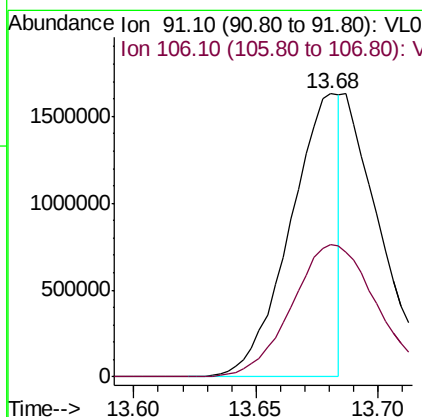
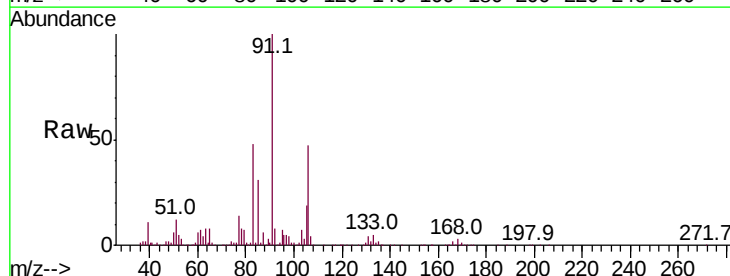
#59
m/p-Xylene
Concen: 7.812 ppbv
RT: 12.98
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL1101ABS01
Acq: 1 Nov 2021 17:41

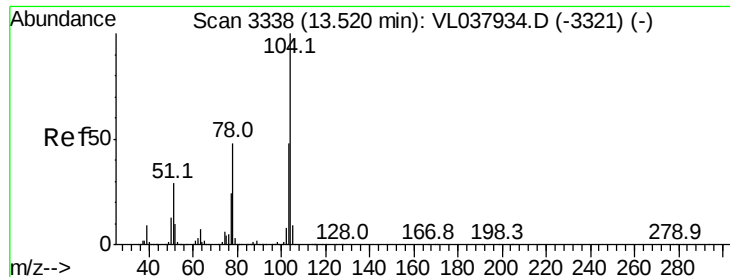
Tot Ion: 91 Resp: 4369238
Ion Ratio Lower Upper
91 100
106 93.9 37.1 55.7#



#60
o-Xylene
Concen: 4.309 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL037943.D
Acq: 1 Nov 2021 17:41

Tgt Ion: 91 Resp: 2272469
Ion Ratio Lower Upper
91 100
106 86.3 23.5 70.6#





#61

Stvrene

Concen: 9.425 ppbv

RT: 13.52

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41

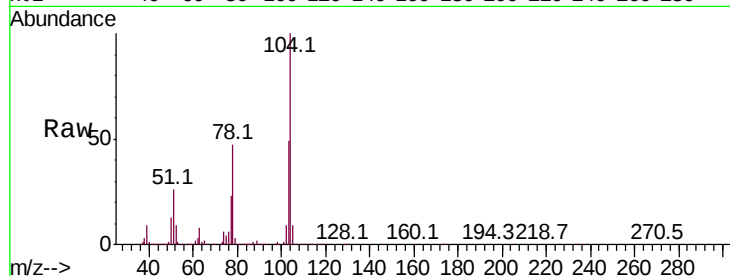
Tot Ion:104 Resp: 2282444

Ion Ratio Lower Upper

104 100

78 49.6 39.3 58.9

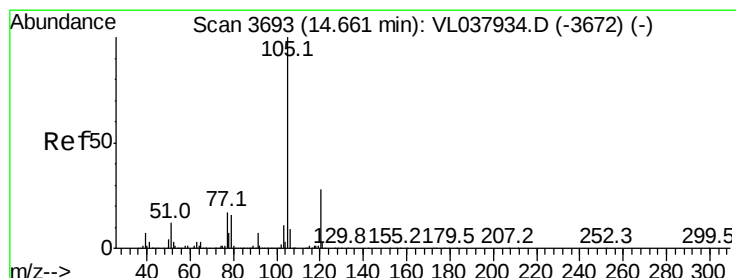
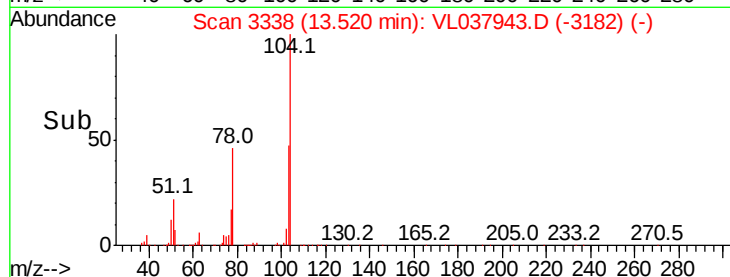
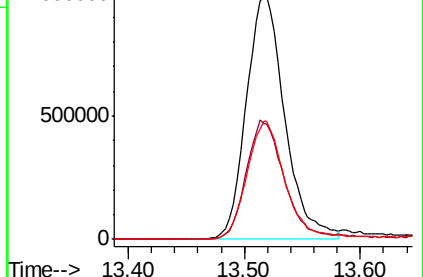
103 49.2 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.619 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL037943.D

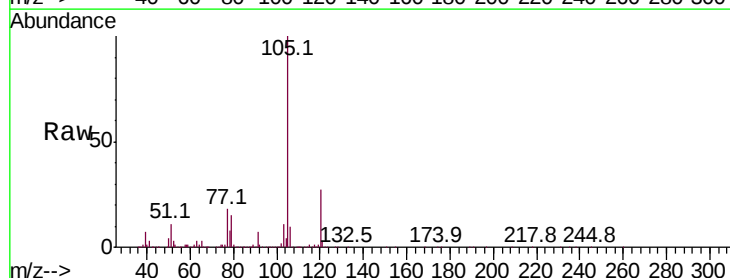
Acq: 1 Nov 2021 17:41

Tgt Ion:105 Resp: 5688769

Ion Ratio Lower Upper

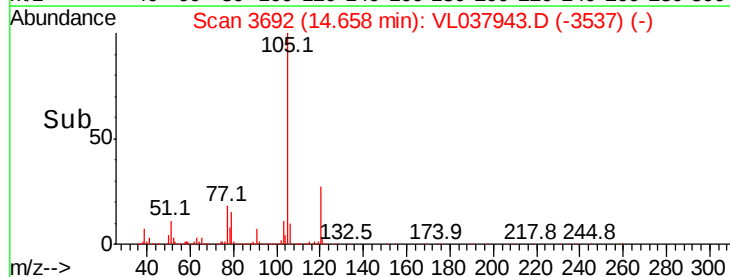
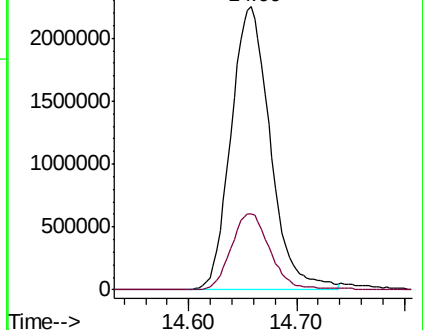
105 100

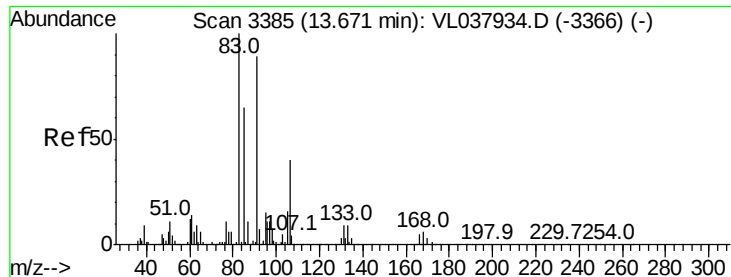
120 27.4 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

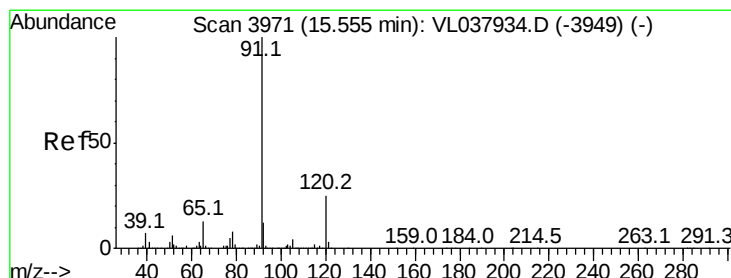
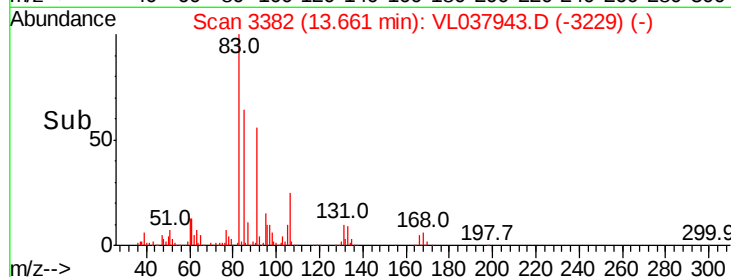
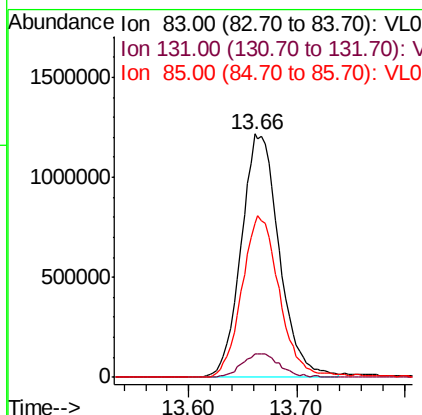
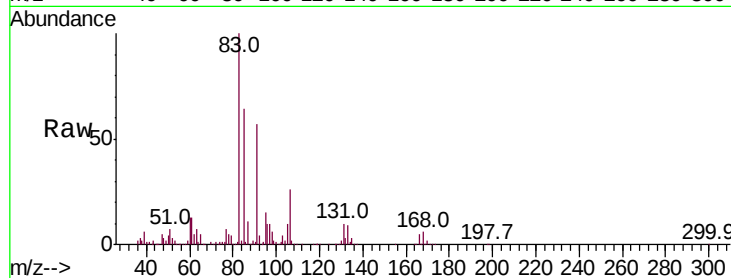
Ion 120.20 (119.90 to 120.90): V





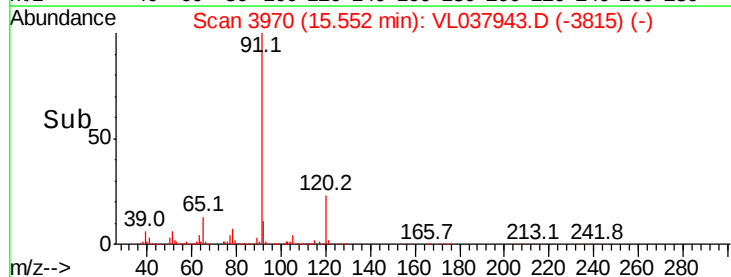
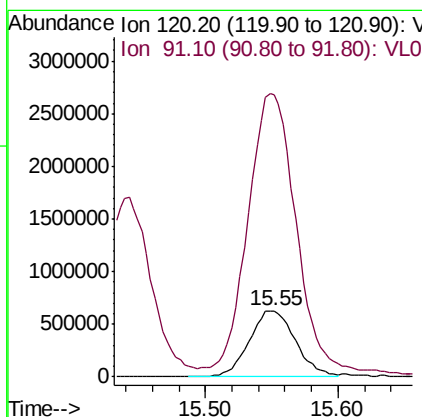
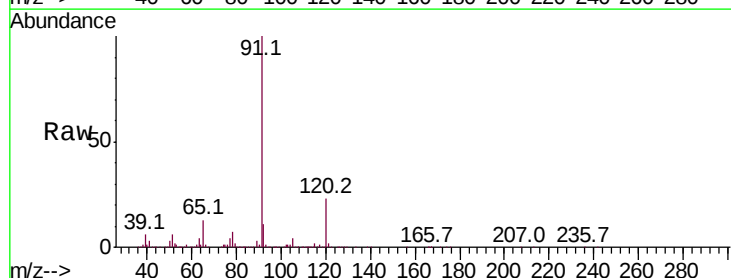
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.557 ppbv
 RT: 13.66
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1101ABS01
 Acq: 1 Nov 2021 17:41

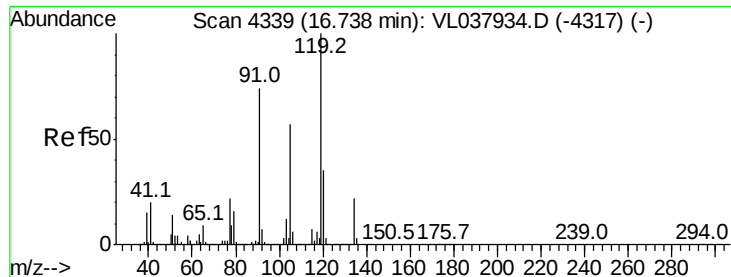
Tot Ion: 83 Resp: 2976162
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.8 14.4
 85 66.9 32.5 97.5



#64
 n-propylbenzene
 Concen: 7.961 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VL037943.D
 Acq: 1 Nov 2021 17:41

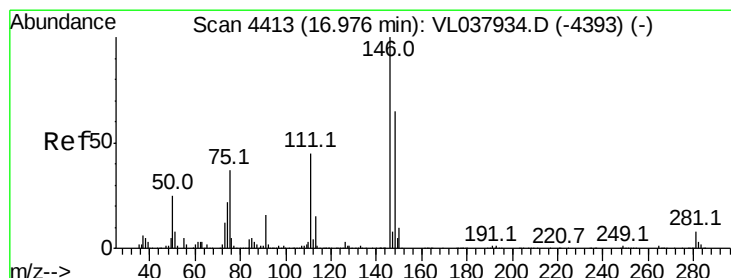
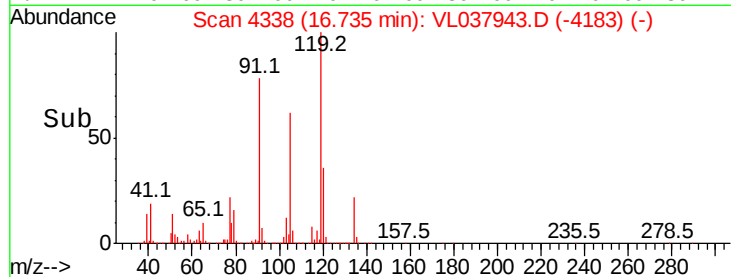
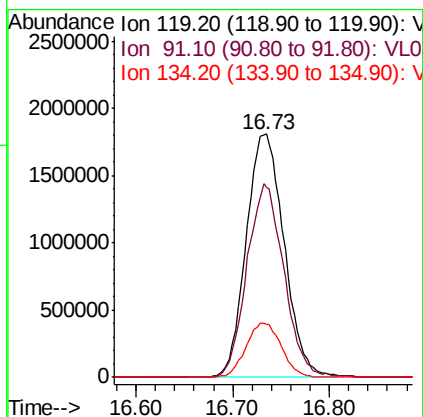
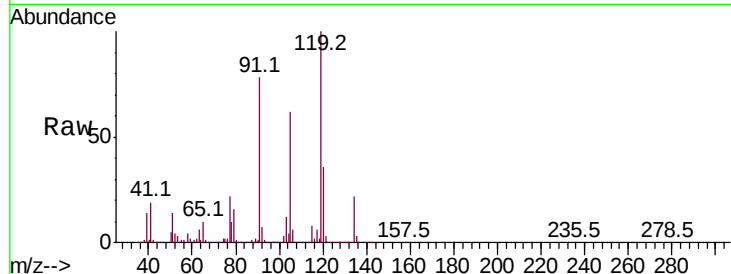
Tgt Ion:120 Resp: 1523122
 Ion Ratio Lower Upper
 120 100
 91 463.3 363.3 544.9





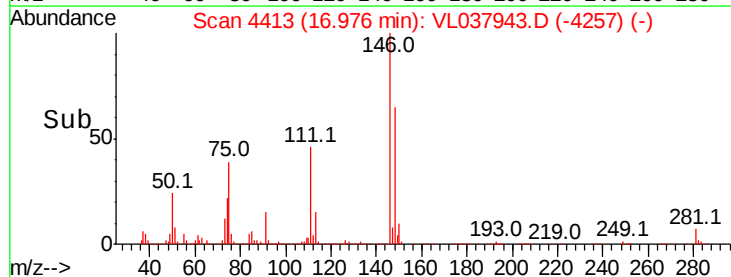
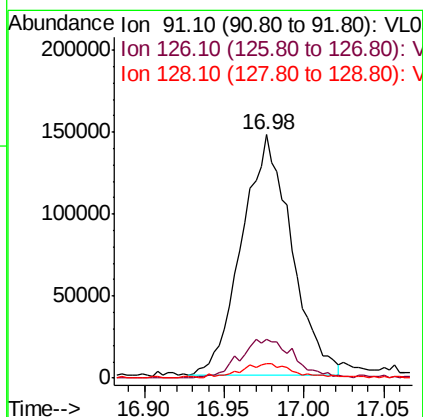
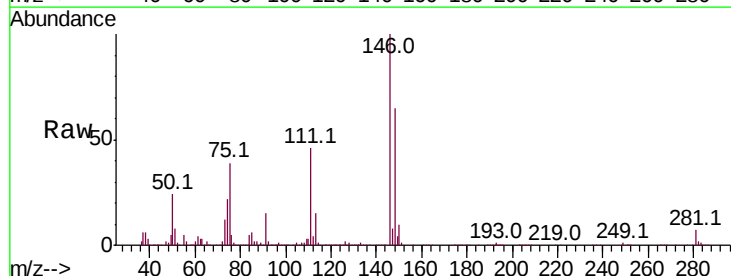
#65
 tert-Butylbenzene
 Concen: 7.452 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1101ABS01
 Acq: 1 Nov 2021 17:41

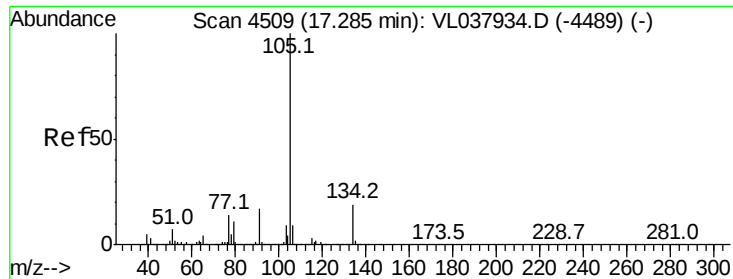
Tot Ion:	119	Resp:	4917193
Ion	Ratio	Lower	Upper
119	100		
91	77.9	61.8	92.6
134	20.9	16.6	25.0



#66
 Benzyl Chloride
 Concen: 8.993 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037943.D
 Acq: 1 Nov 2021 17:41

Tgt Ion:	91	Resp:	310084
Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.8	20.6
128	7.3	5.1	7.7





#67

sec-Butylbenzene

Concen: 7.555 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

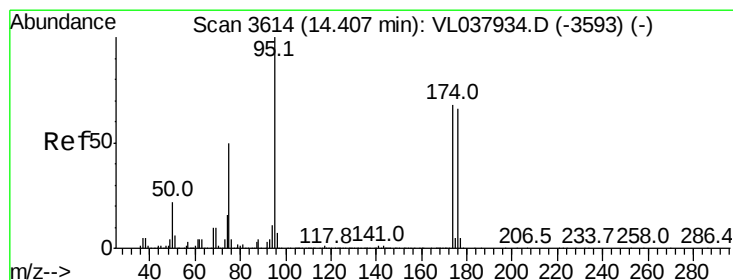
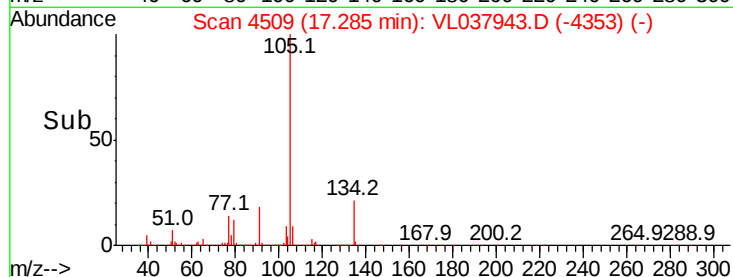
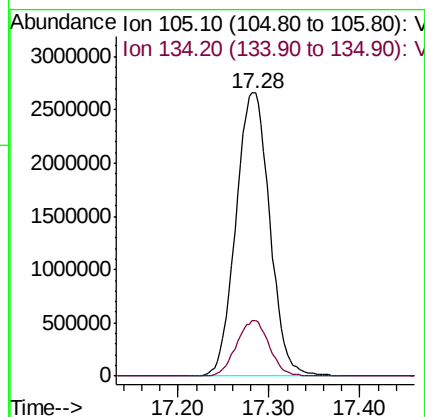
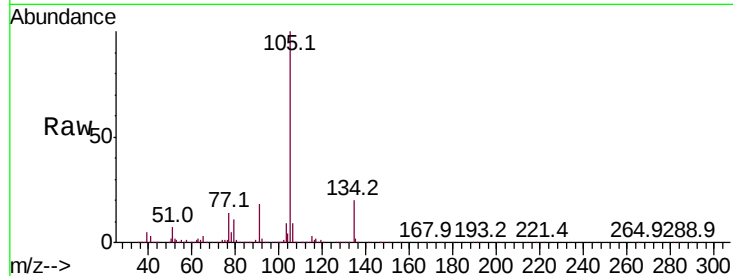
Acq: 1 Nov 2021 17:41

Tot Ion:105 Resp: 6868613

Ion Ratio Lower Upper

105 100

134 19.1 15.4 23.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.545 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

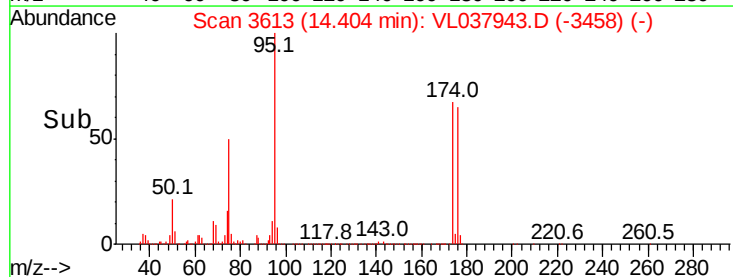
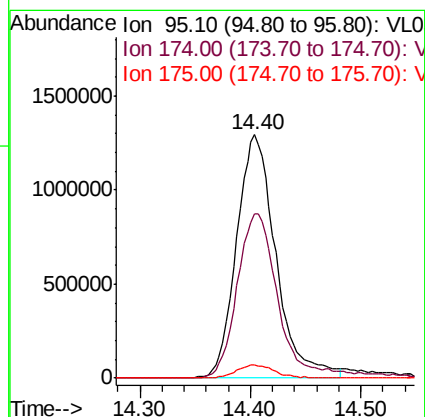
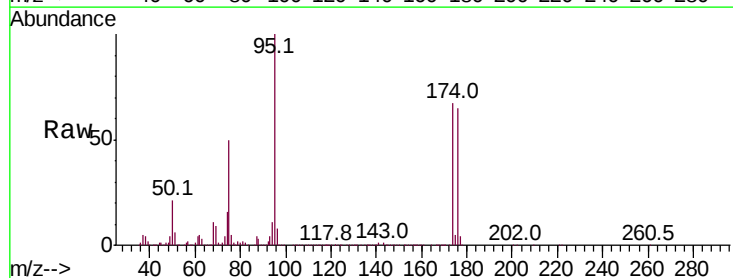
Tgt Ion: 95 Resp: 3196031

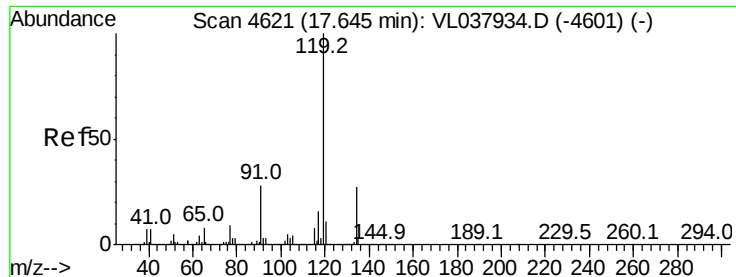
Ion Ratio Lower Upper

95 100

174 72.5 58.3 87.5

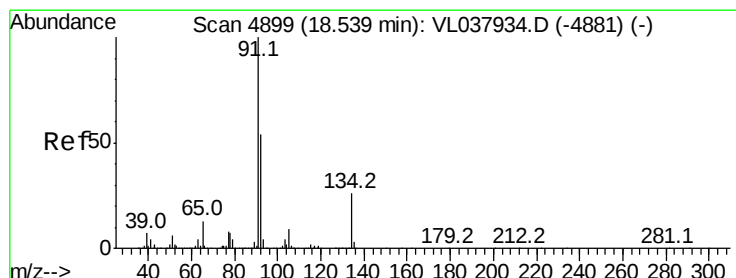
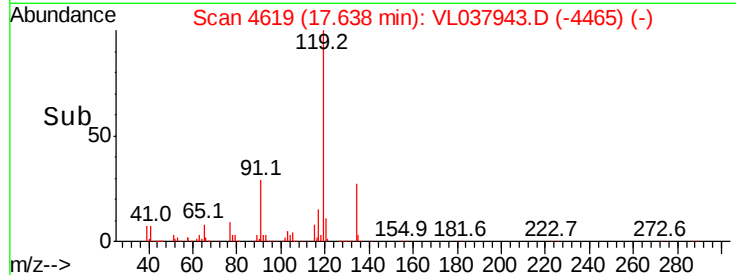
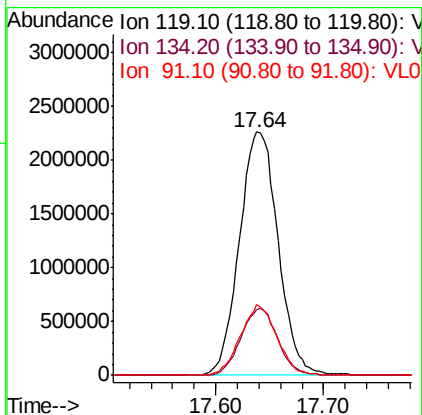
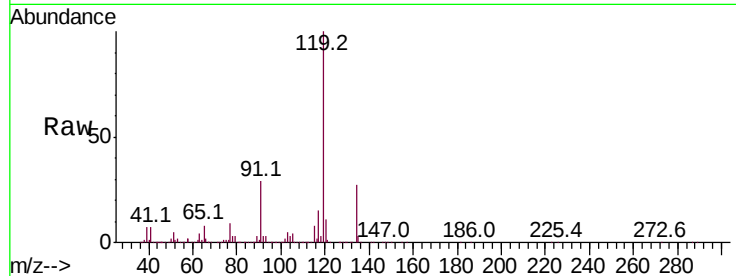
175 5.5 4.6 6.8





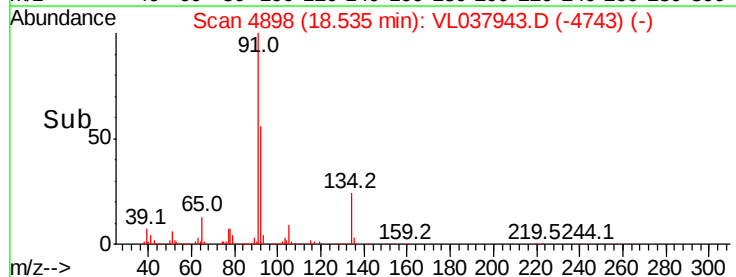
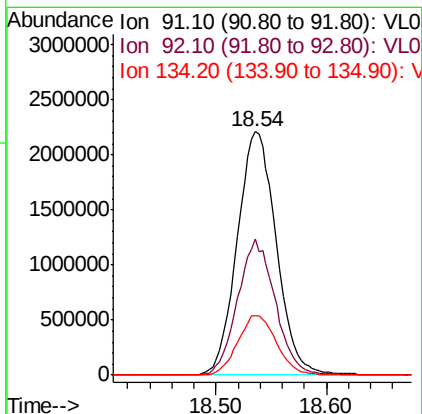
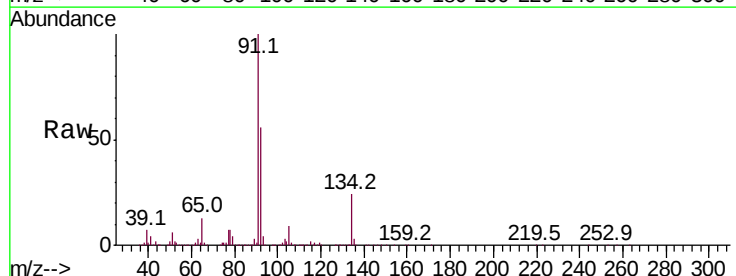
#69
 p-Isopropyltoluene
 Concen: 7.741 ppbv
 RT: 17.64 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VL1101ABS01
 Acq: 1 Nov 2021 17:41

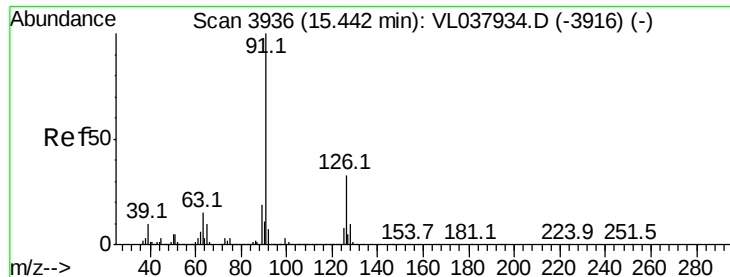
Tot Ion:	119	Resp:	5645072
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.0	31.4
91	27.2	21.8	32.8



#70
 n-Butylbenzene
 Concen: 8.074 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T.: -0.00 min
 Lab File: VL037943.D
 Acq: 1 Nov 2021 17:41

Tgt Ion:	91	Resp:	5410232
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.6	65.4
134	24.5	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.914 ppbv

RT: 15.44

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

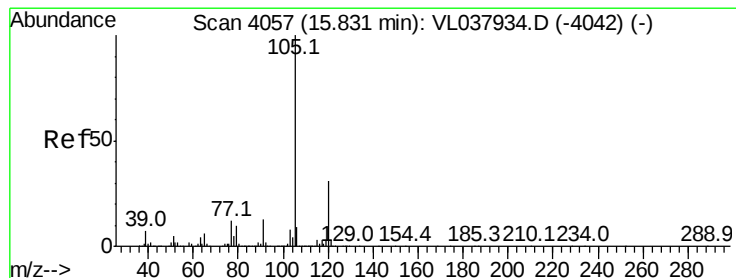
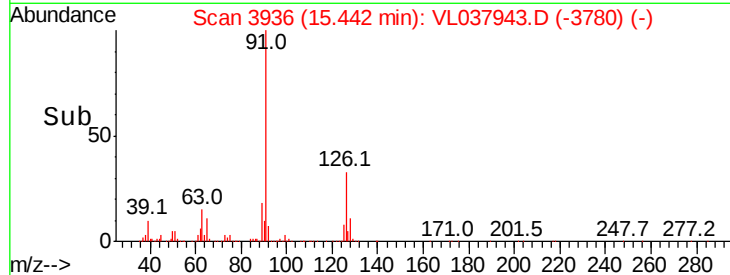
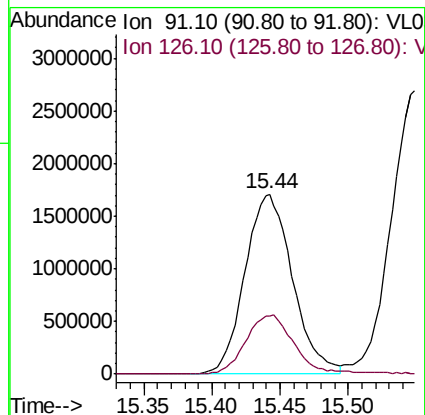
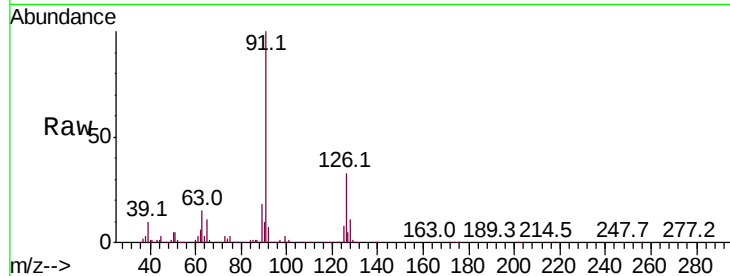
Acq: 1 Nov 2021 17:41

Tot Ion: 91 Resp: 4140399

Ion Ratio Lower Upper

91 100

126 34.2 13.3 53.3



#72

4-Ethyltoluene

Concen: 8.338 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion: 105 Resp: 5037232

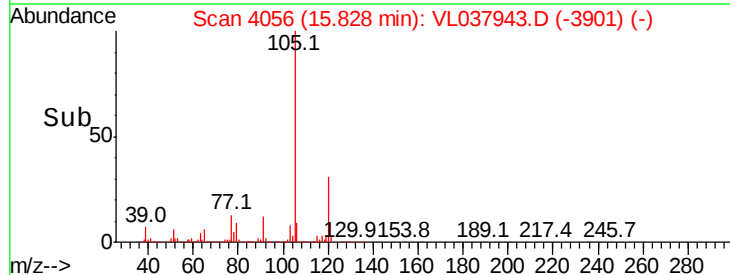
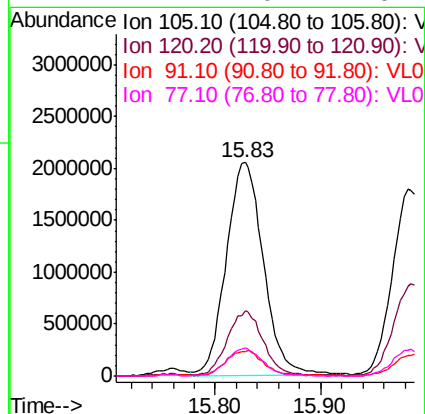
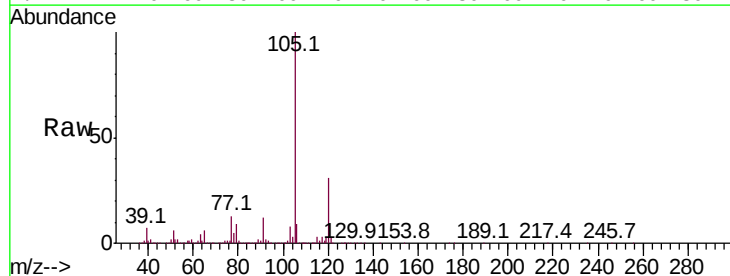
Ion Ratio Lower Upper

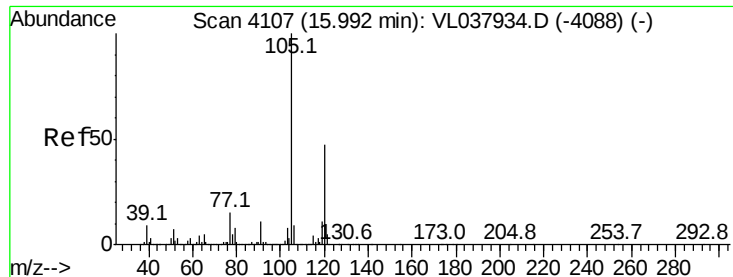
105 100

120 29.9 25.3 37.9

91 12.0 9.9 14.9

77 12.7 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.753 ppbv

RT: 15.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

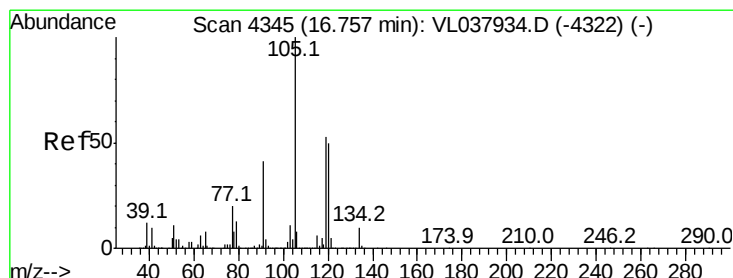
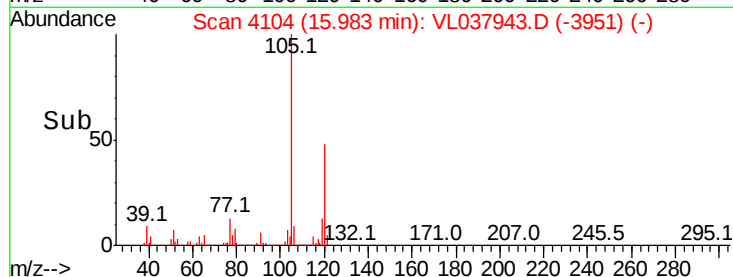
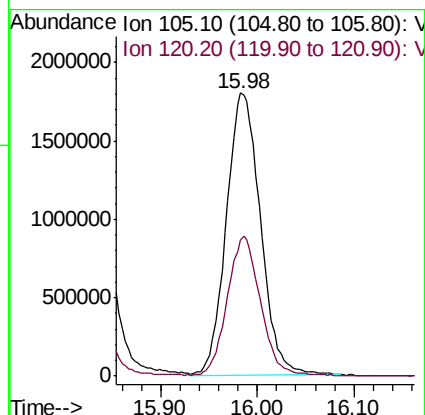
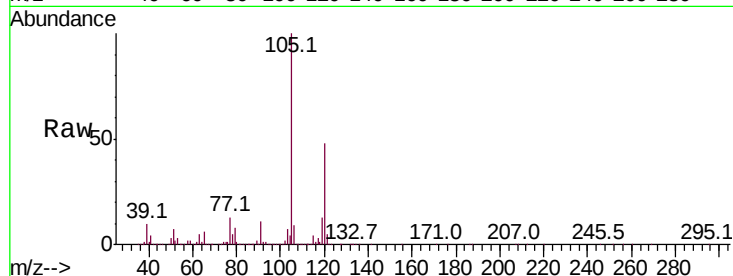
Acq: 1 Nov 2021 17:41

Tot Ion:105 Resp: 4385888

Ion Ratio Lower Upper

105 100

120 48.2 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.574 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion:105 Resp: 4488786

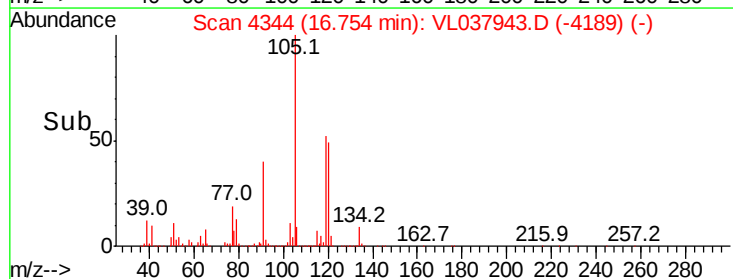
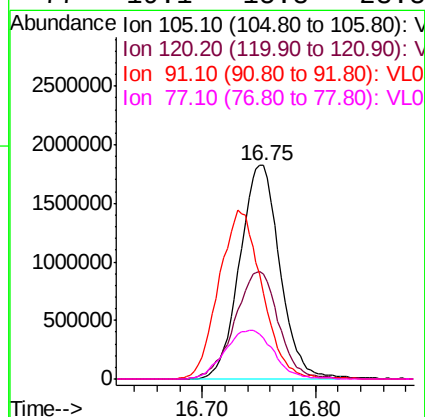
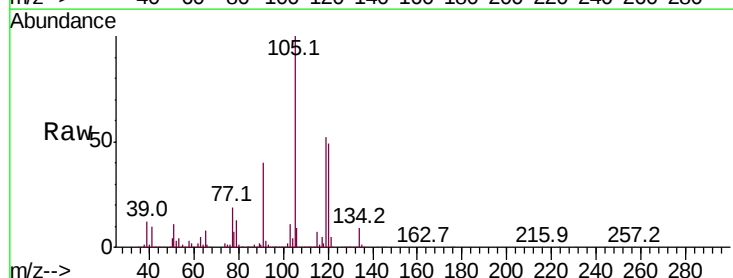
Ion Ratio Lower Upper

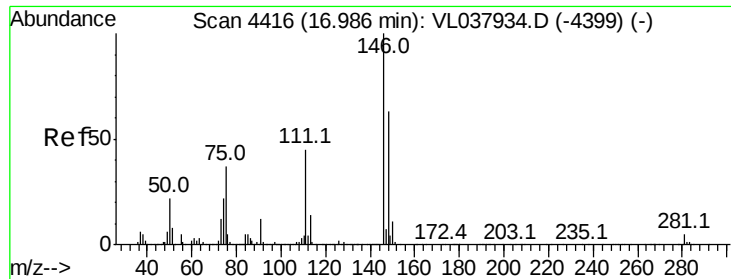
105 100

120 48.9 40.0 60.0

91 40.0 32.6 49.0

77 19.1 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 7.511 ppbv

RT: 16.99

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41

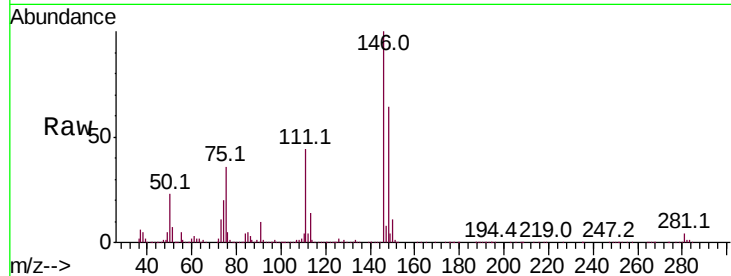
Tot Ion:146 Resp: 2771573

Ion Ratio Lower Upper

146 100

111 44.9 22.7 68.1

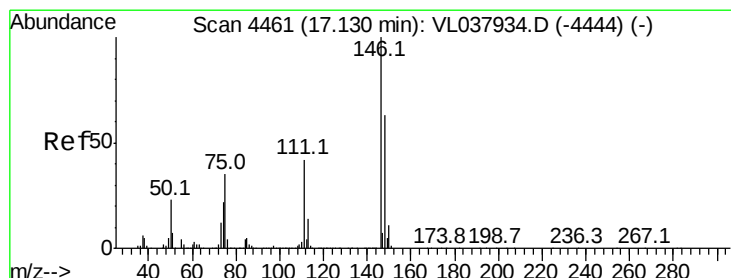
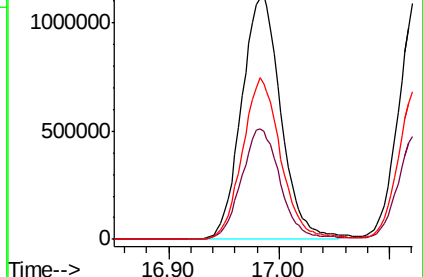
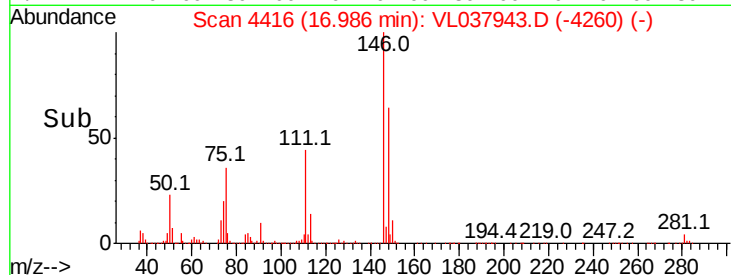
148 64.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.285 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

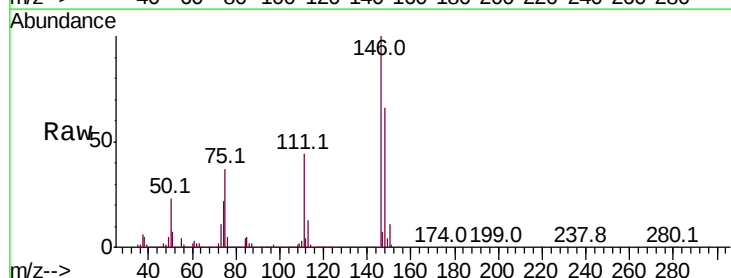
Tgt Ion:146 Resp: 2601265

Ion Ratio Lower Upper

146 100

111 46.2 22.7 68.1

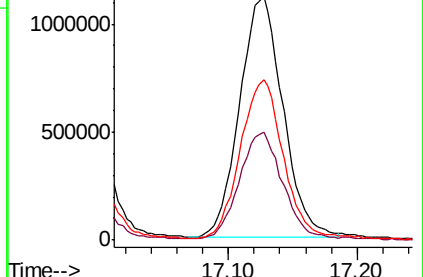
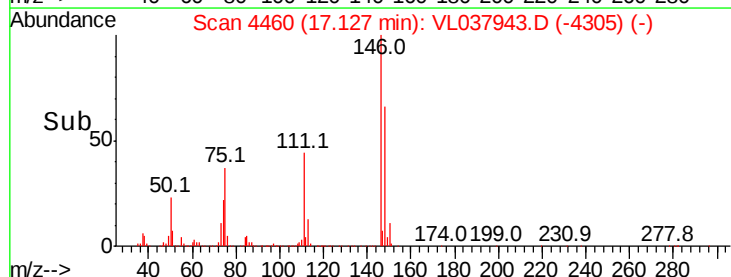
148 67.9 33.5 100.4

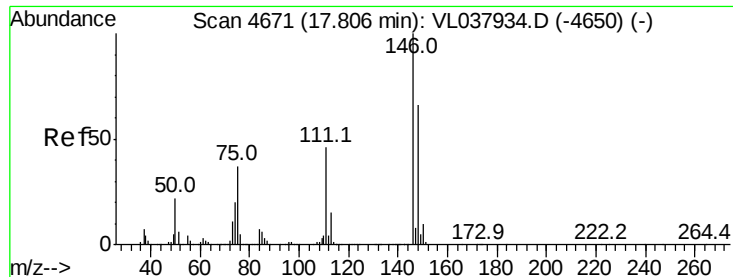


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.295 ppbv

RT: 17.81

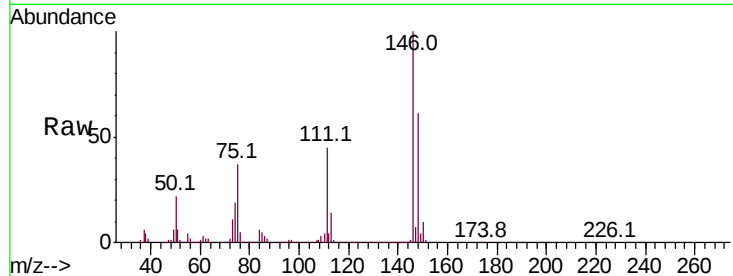
Delta R.T. MSVOA_1

Lab File: ClientSampleId: VL1101ABS01

Acq: 1 Nov 2021 17:41

Tot Ion:146 Resp: 2527667

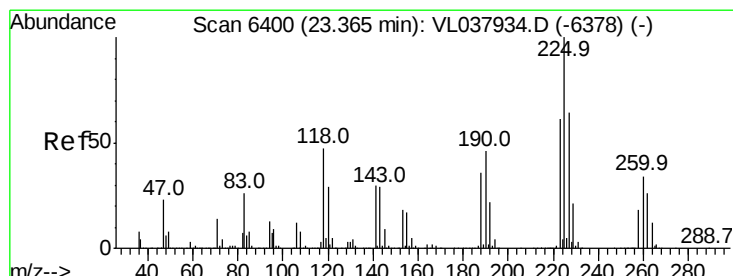
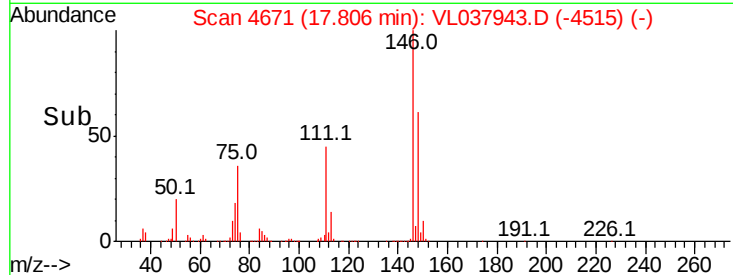
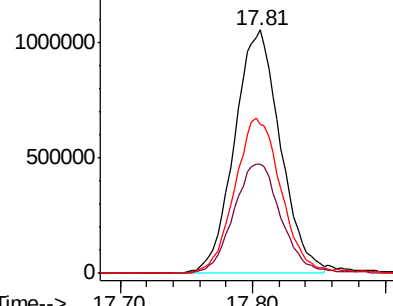
Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	65.7	32.6	97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.411 ppbv

RT: 23.36 min Scan# 6398

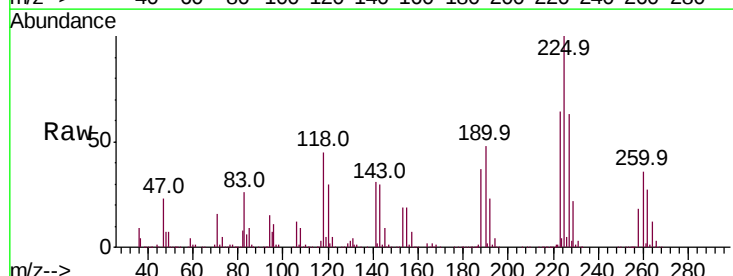
Delta R.T. -0.01 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

Tgt Ion:225 Resp: 1901427

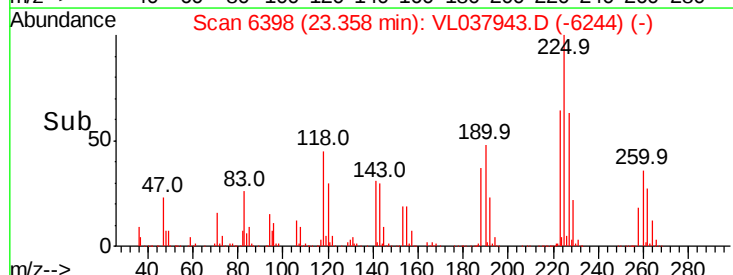
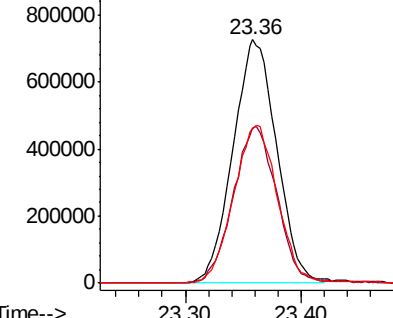
Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.0	75.0
227	65.5	51.5	77.3

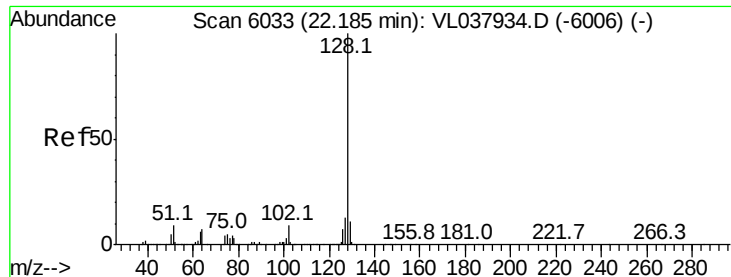


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.916 ppbv

RT: 22.18

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 17:41

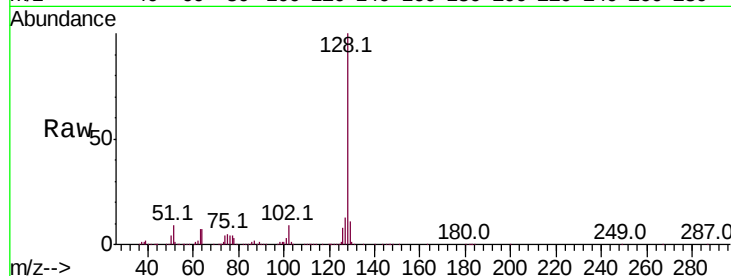
Tot Ion:128 Resp: 3386032

Ion Ratio Lower Upper

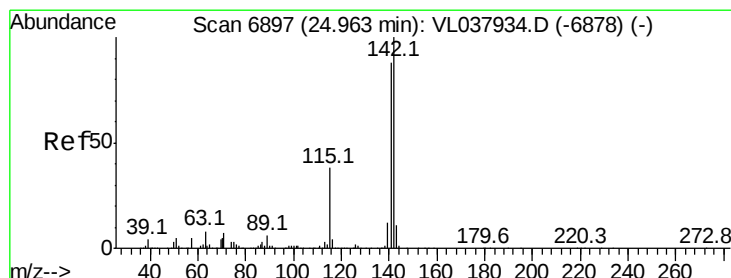
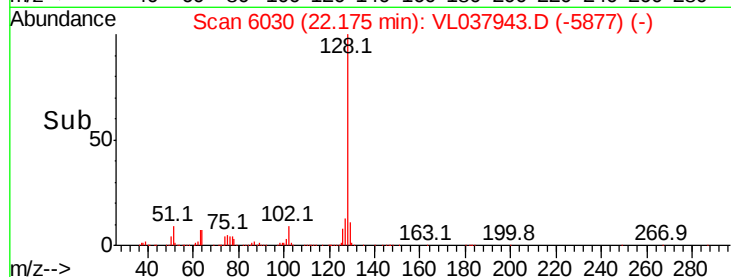
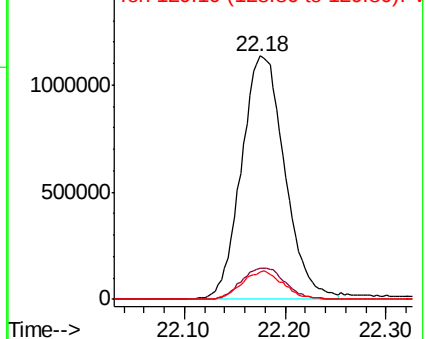
128 100

127 12.6 10.2 15.2

129 11.2 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.881 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL037943.D

Acq: 1 Nov 2021 17:41

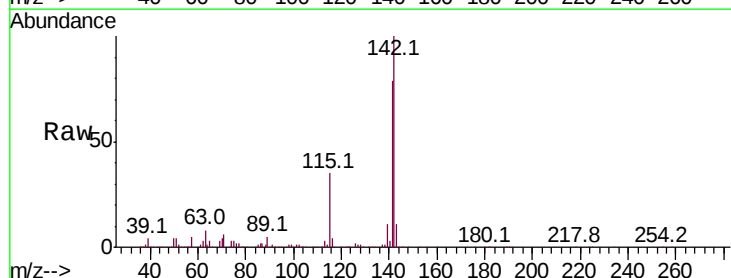
Tgt Ion:142 Resp: 989202

Ion Ratio Lower Upper

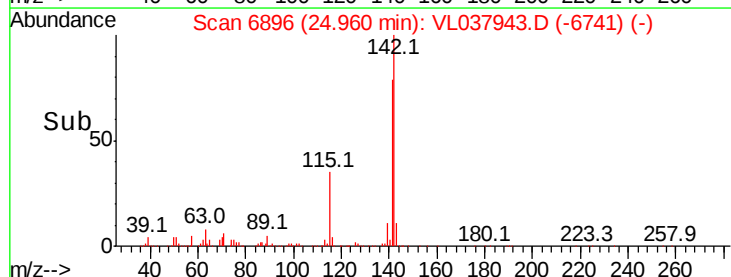
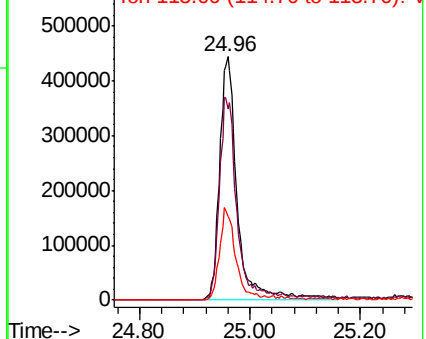
142 100

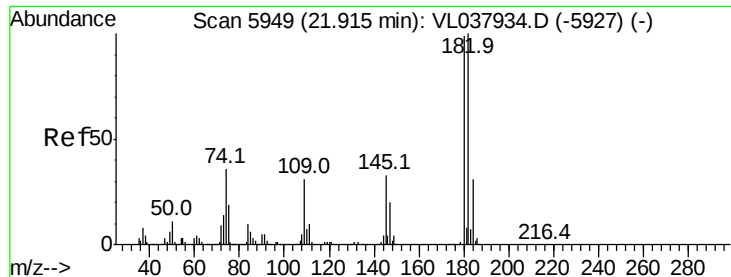
141 83.3 66.4 99.6

115 35.4 29.0 43.4



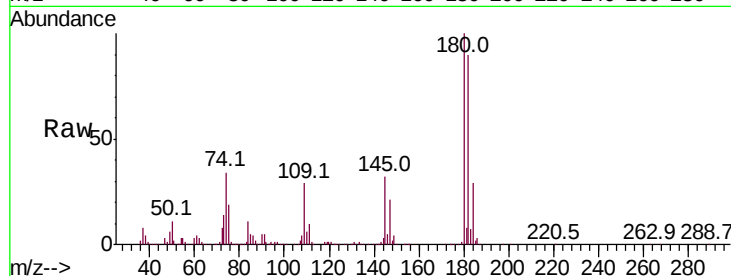
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.589 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1101ABS01
 Acq: 1 Nov 2021 17:41

Tot Ion:180 Resp: 1909083
 Ion Ratio Lower Upper
 180 100
 182 98.1 79.3 118.9
 184 31.4 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

