

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037941.D
 Acq On : 1 Nov 2021 15:35
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL110121

Quant Time: Nov 02 06:00:08 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	1646369	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4855251	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5299509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3189251	8.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2106242	9.080 ppbv	99
3) Chlorodifluoromethane	2.99	51	2640187	8.614 ppbv	100
4) Chloromethane	3.14	50	1025555	8.805 ppbv	97
5) Vinyl Chloride	3.26	62	1036795	9.236 ppbv	98
6) Bromomethane	3.47	94	567572	9.359 ppbv	95
7) Chloroethane	3.56	64	359532	8.872 ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2287970	8.563 ppbv	99
9) Propene	3.01	41	1023463	9.314 ppbv	95
10) Heptane	8.12	43	2449125	9.580 ppbv	99
11) Trichlorofluoromethane	3.95	101	2078568	8.999 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1540334	8.555 ppbv	96
13) Ethanol	3.61	45	85760	7.736 ppbv	94
14) Bromoethene	3.74	108	728562	9.250 ppbv	99
15) Acetone	3.85	43	1205627	8.862 ppbv	98
16) 1,3-Butadiene	3.33	39	980150	9.143 ppbv	98
17) tert-Butyl alcohol	4.28	59	1275266	9.015 ppbv	100
18) 1,1-Dichloroethene	4.29	96	725458	8.754 ppbv	93
19) Isopropyl Alcohol	3.96	45	800701	9.204 ppbv	# 92
20) Methylene Chloride	4.34	84	624852	8.366 ppbv	98
21) Allyl Chloride	4.41	41	1199804	9.558 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	774994	9.412 ppbv	93
23) Vinyl Acetate	5.07	43	2143952	10.466 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1506413	8.901 ppbv	99
25) Ethyl Acetate	5.67	43	3839093	9.501 ppbv	100
26) Hexane	5.68	57	1819312	9.503 ppbv	99
27) Carbon Disulfide	4.55	76	1887664	9.988 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1561478	9.701 ppbv	99
29) Chloroform	5.75	83	2482881	8.697 ppbv	95
30) Cyclohexane	7.12	84	1533559	9.371 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1700134	9.733 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2355845	8.395 ppbv	99
34) 2-Butanone	5.24	43	1742129	9.683 ppbv	99
35) Carbon Tetrachloride	7.01	117	2472381	8.423 ppbv	98
36) Benzene	6.89	78	3731401	9.437 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1749663	9.308 ppbv	100
38) Trichloroethene	7.83	130	1441480	8.784 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1415808	9.517 ppbv	99
40) 1,4-Dioxane	7.83	88	205713	5.250 ppbv	# 1
41) Tetrahydrofuran	6.04	42	942471	10.706 ppbv	97
42) Bromodichloromethane	7.79	83	2640856	9.292 ppbv	99
43) Methyl Methacrylate	8.01	69	1318132	10.157 ppbv	97

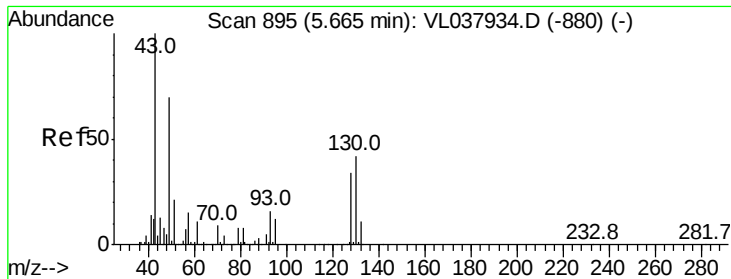
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6216691	9.244	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1135263	11.905	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1485191	11.328	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1481631	8.864	ppbv	99
48) Dibromochloromethane	10.29	129	2330859	9.849	ppbv	98
49) Bromoform	13.03	173	1919544	10.261	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2374456	10.045	ppbv	98
51) 2-Hexanone	10.12	43	1069015	10.730	ppbv #	98
52) Tetrachloroethene	11.21	164	1348594	8.991	ppbv	99
53) Toluene	9.80	91	4278566	10.094	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2094159	9.714	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	1568506	7.331	ppbv #	58
57) Chlorobenzene	12.14	112	3048182	7.206	ppbv	99
58) Ethyl Benzene	12.70	91	5372240	8.289	ppbv	99
59) m/p-Xylene	12.99	91	4815942	8.361	ppbv #	40
60) o-Xylene	13.68	91	4108092	7.564	ppbv	99
61) Styrene	13.52	104	2323727	9.316	ppbv	99
62) Isopropylbenzene	14.66	105	5763601	7.495	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3007520	6.434	ppbv	100
64) n-propylbenzene	15.55	120	1537326	7.802	ppbv	99
65) tert-Butylbenzene	16.73	119	4976783	7.323	ppbv	100
66) Benzyl Chloride	16.98	91	327533	9.223	ppbv	97
67) sec-Butylbenzene	17.28	105	6889217	7.358	ppbv	100
69) p-Isopropyltoluene	17.64	119	5651029	7.524	ppbv	99
70) n-Butylbenzene	18.54	91	5437212	7.878	ppbv	100
71) 2-Chlorotoluene	15.44	91	4240792	7.871	ppbv	100
72) 4-Ethyltoluene	15.83	105	4975994	7.998	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4447096	7.632	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	4519985	7.405	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2750785	7.238	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2704470	7.354	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2568414	7.197	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1941987	6.358	ppbv	99
79) Naphthalene	22.18	128	3401713	9.673	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	947214	13.836	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1048782	4.582	ppbv #	25

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: ICVVL110121

Acq: 1 Nov 2021 15:35

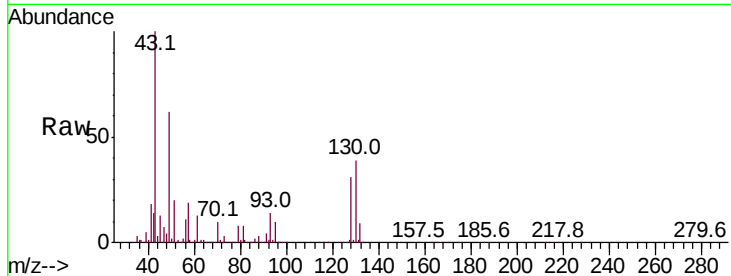
Tot Ion: 49 Resp: 1646369

Ion Ratio Lower Upper

49 100

128 54.3 27.0 81.0

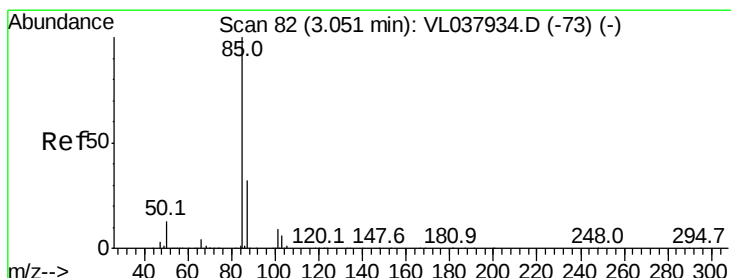
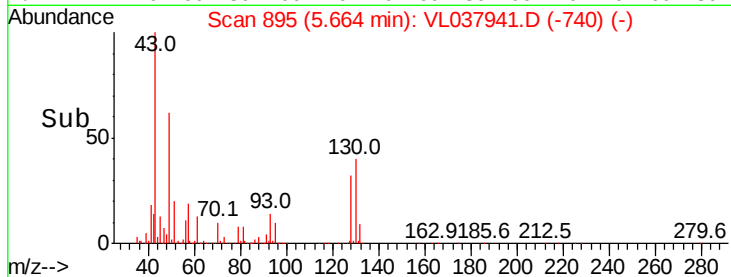
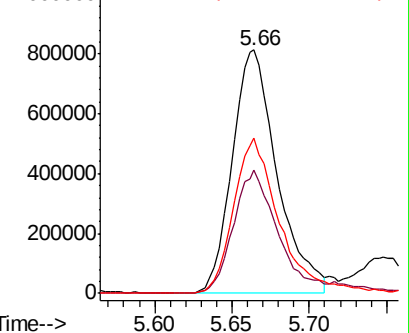
130 66.0 33.4 100.2



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: 9.080 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037941.D

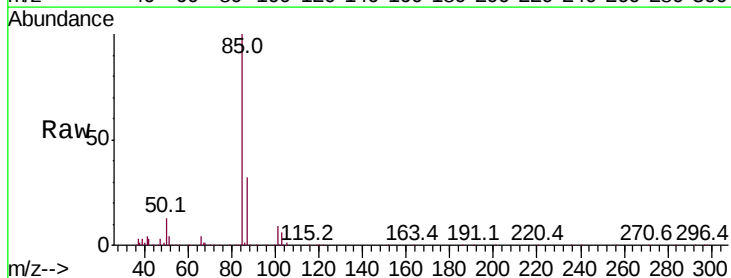
Acq: 1 Nov 2021 15:35

Tgt Ion: 85 Resp: 2106242

Ion Ratio Lower Upper

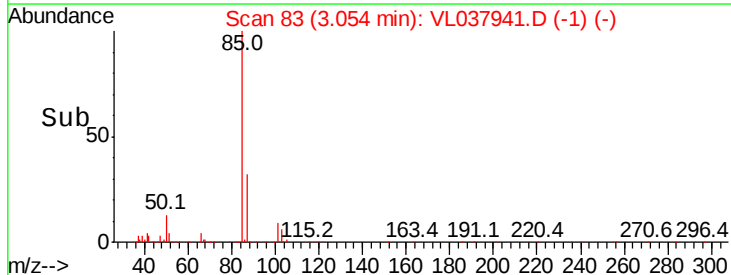
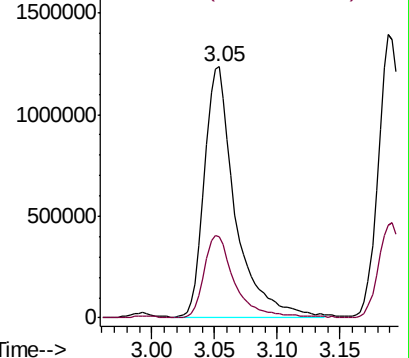
85 100

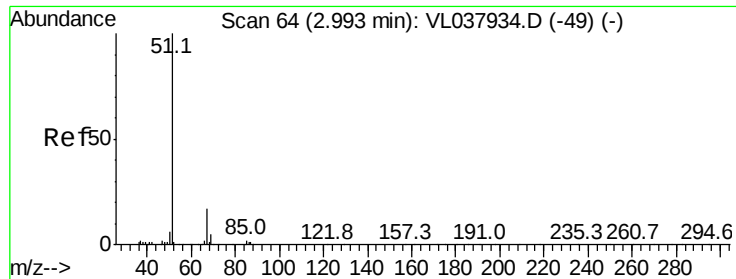
87 32.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.614 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: ICVVL110121

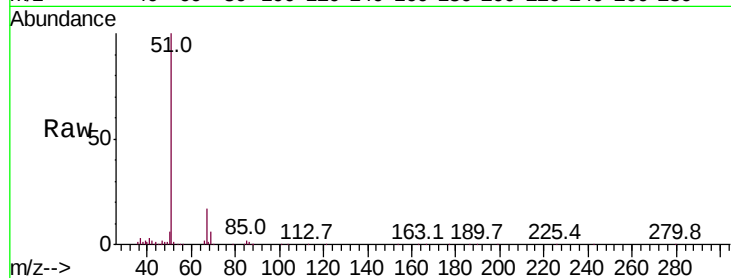
Acq: 1 Nov 2021 15:35

Tot Ion: 51 Resp: 2640187

Ion Ratio Lower Upper

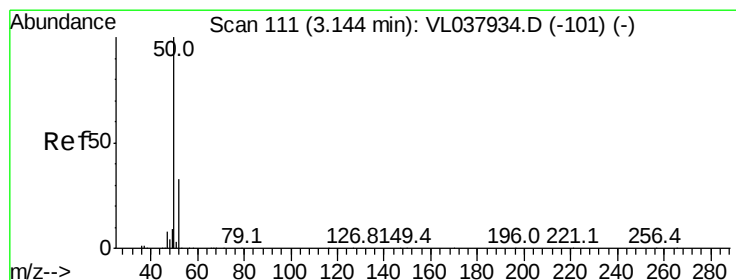
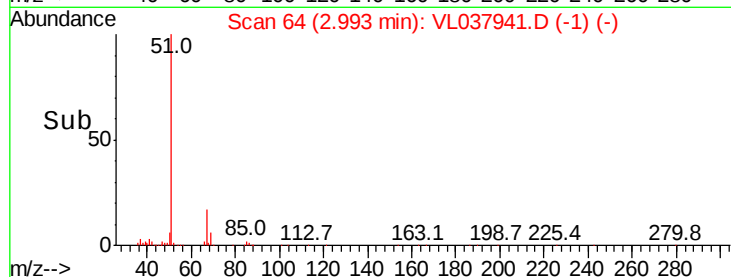
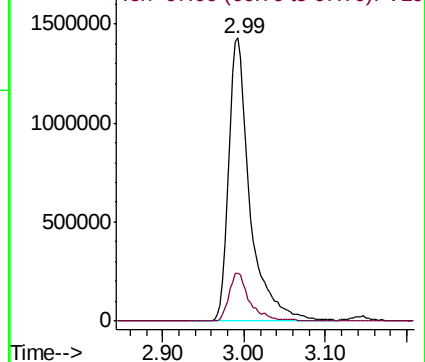
51 100

67 16.9 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.805 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037941.D

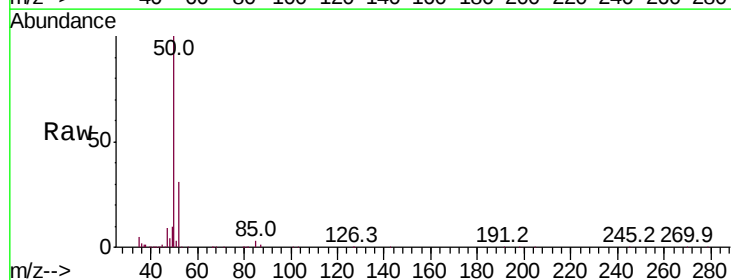
Acq: 1 Nov 2021 15:35

Tgt Ion: 50 Resp: 1025555

Ion Ratio Lower Upper

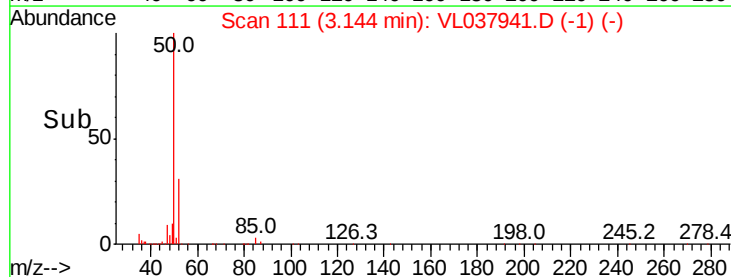
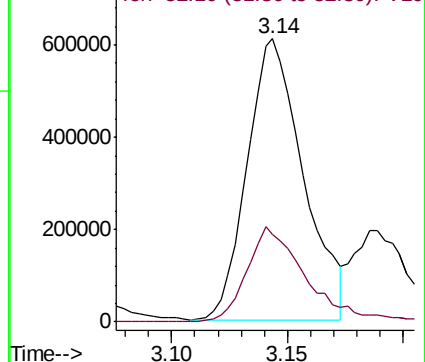
50 100

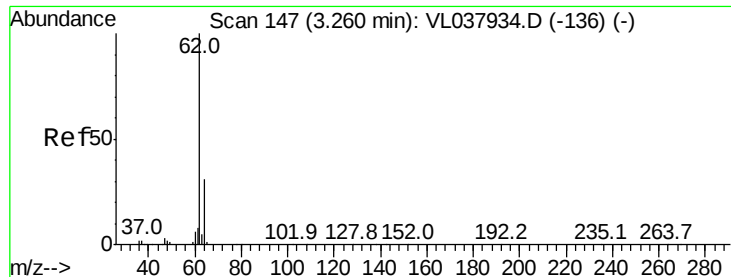
52 31.1 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.236 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

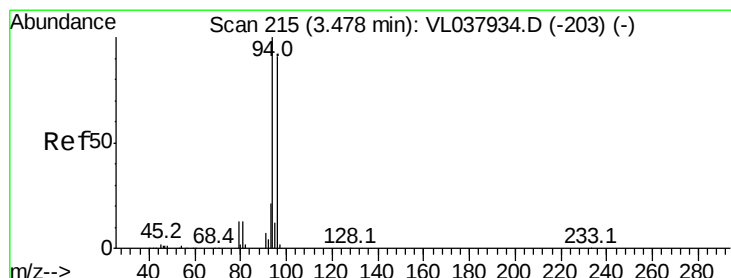
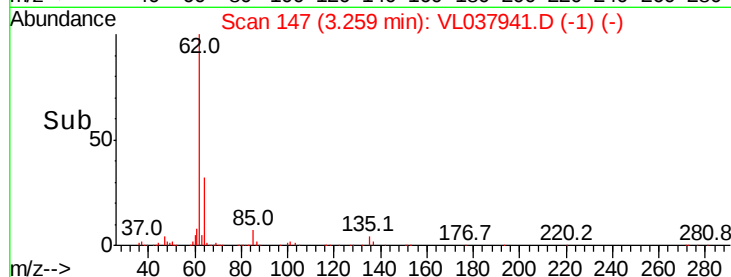
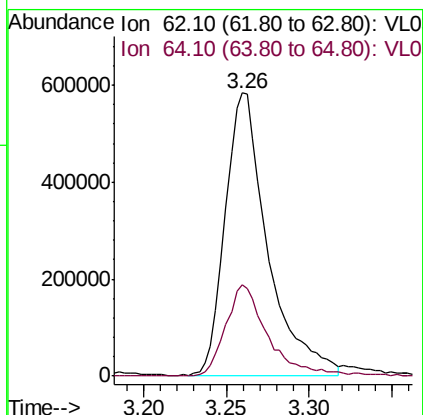
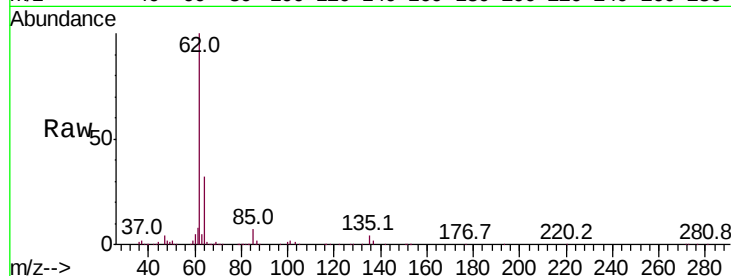
Acq: 1 Nov 2021 15:35

Tot Ion: 62 Resp: 1036795

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1



#6

Bromomethane

Concen: 9.359 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL037941.D

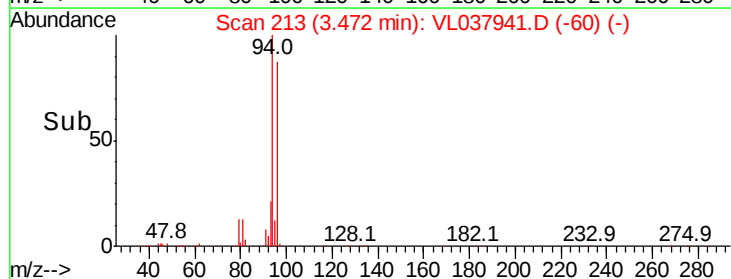
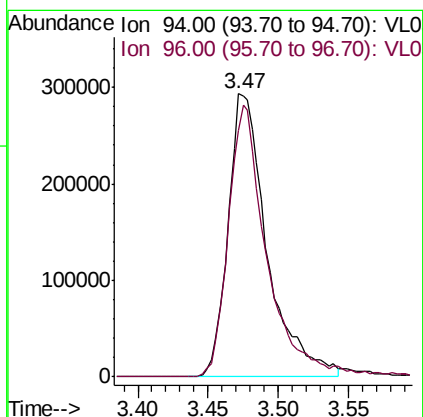
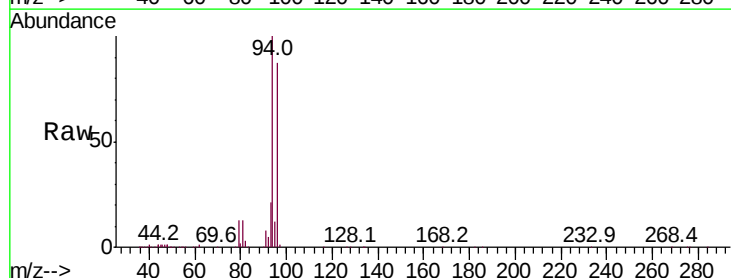
Acq: 1 Nov 2021 15:35

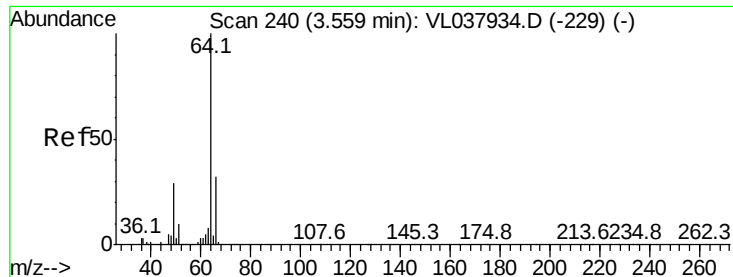
Tgt Ion: 94 Resp: 567572

Ion Ratio Lower Upper

94 100

96 86.8 73.0 109.4





#7

Chloroethane

Concen: 8.872 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: ICVVL110121

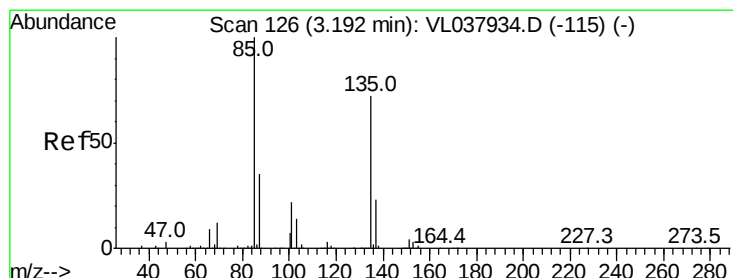
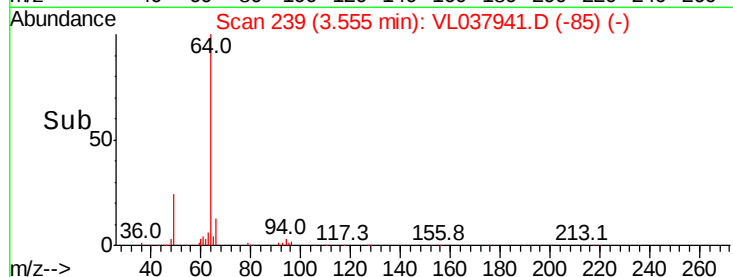
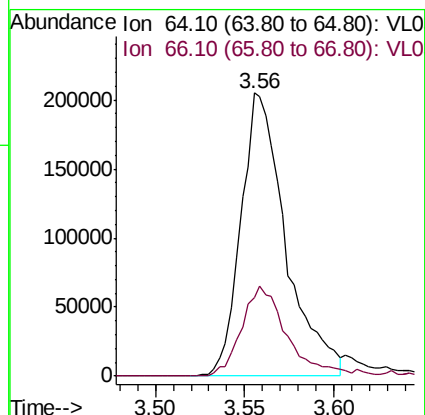
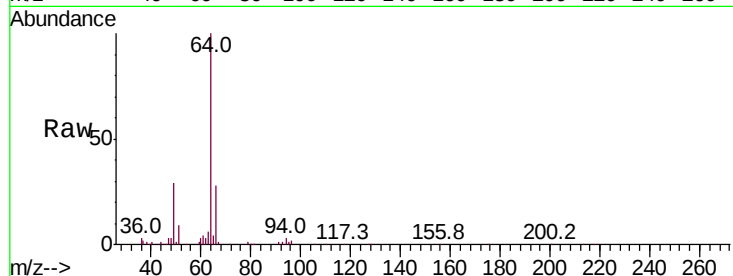
Acq: 1 Nov 2021 15:35

Tot Ion: 64 Resp: 359532

Ion Ratio Lower Upper

64 100

66 27.9 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.563 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037941.D

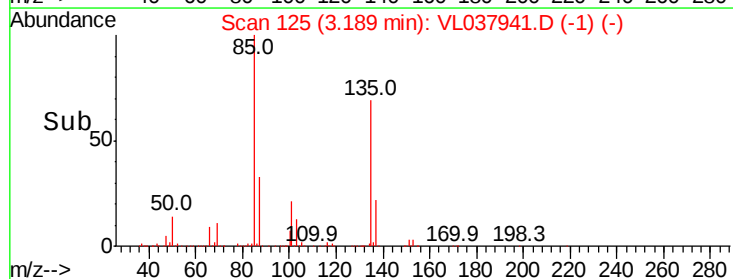
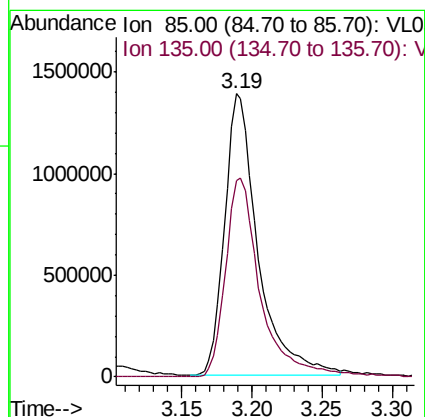
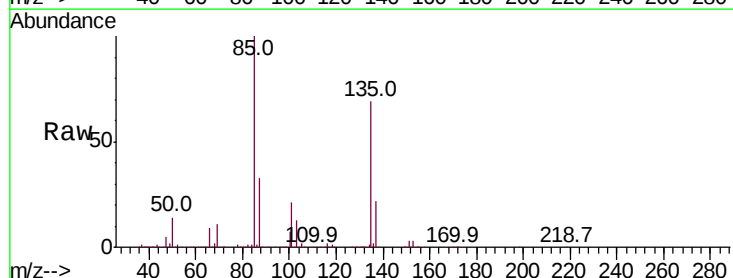
Acq: 1 Nov 2021 15:35

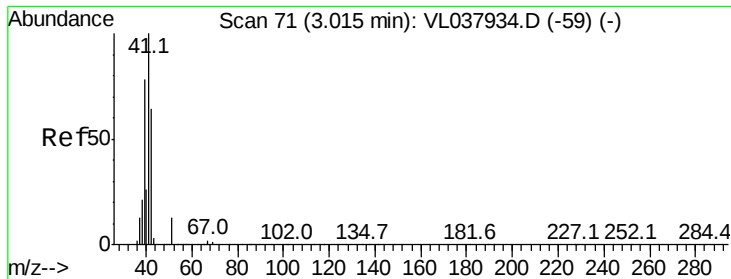
Tgt Ion: 85 Resp: 2287970

Ion Ratio Lower Upper

85 100

135 74.6 58.8 88.2





#9

Propene

Concen: 9.314 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

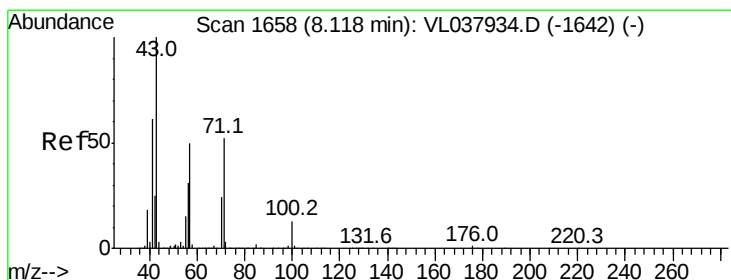
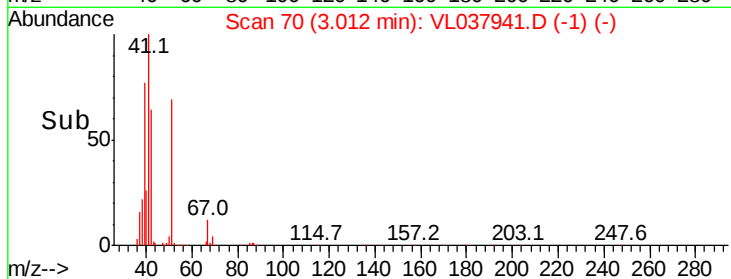
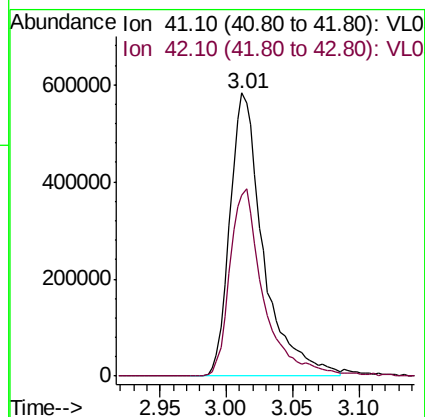
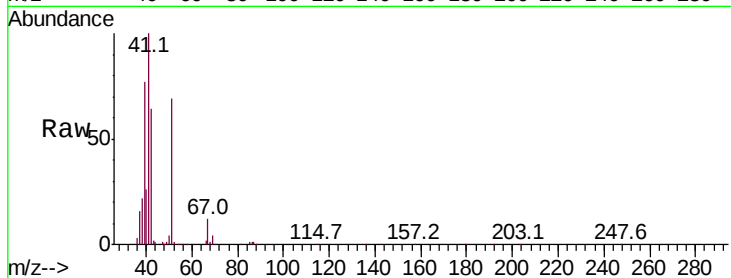
Acq: 1 Nov 2021 15:35

Tot Ion: 41 Resp: 1023463

Ion Ratio Lower Upper

41 100

42 67.5 57.6 86.4



#10

Heptane

Concen: 9.580 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL037941.D

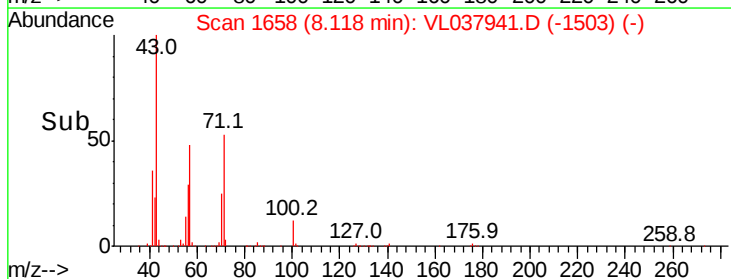
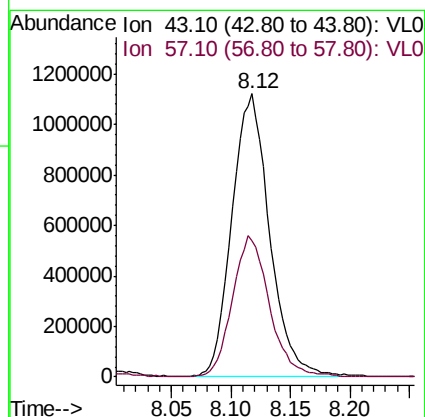
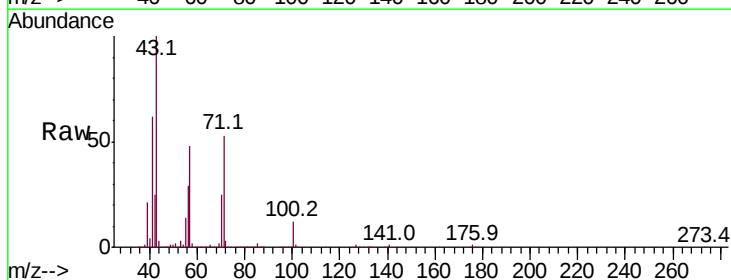
Acq: 1 Nov 2021 15:35

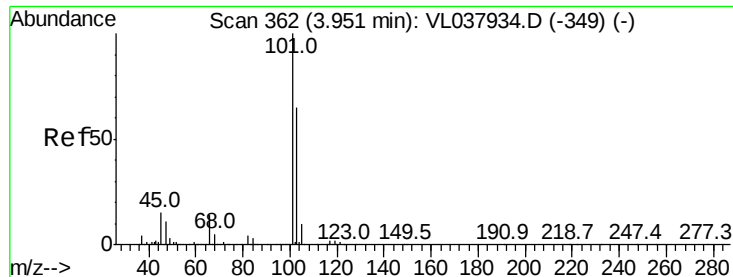
Tgt Ion: 43 Resp: 2449125

Ion Ratio Lower Upper

43 100

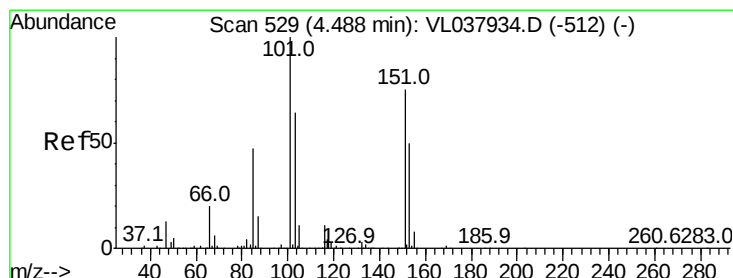
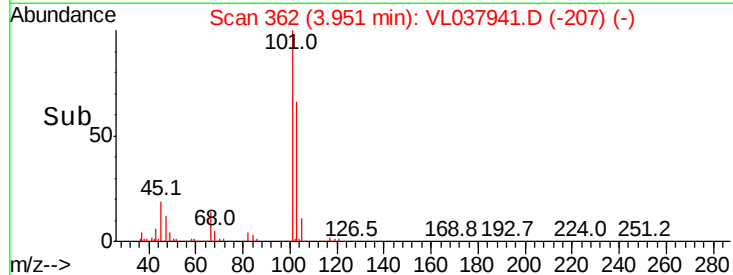
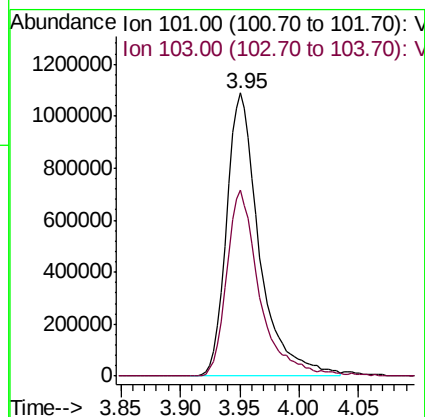
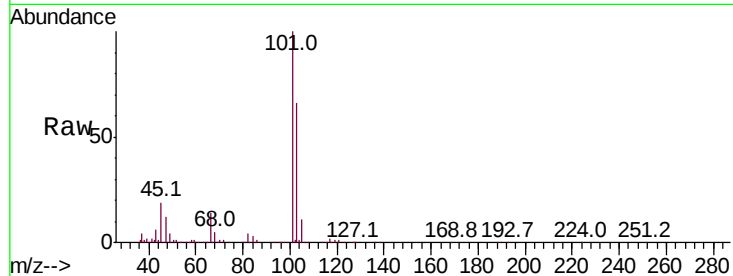
57 49.3 39.8 59.8





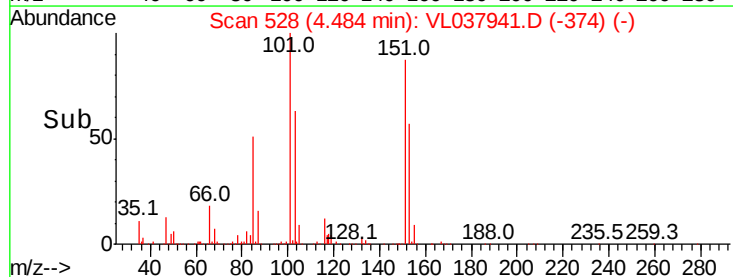
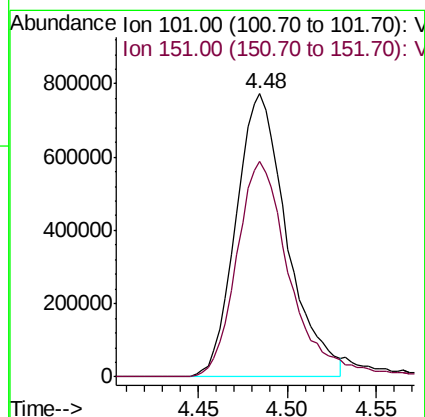
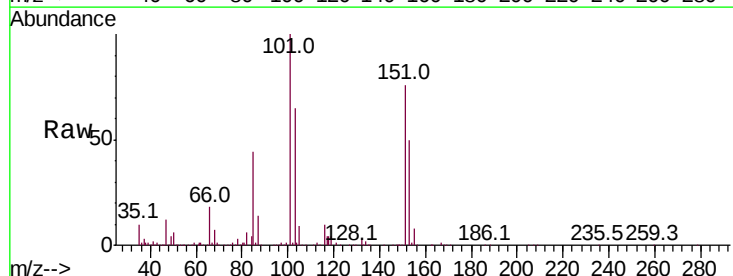
#11
 Trichlorofluoromethane
 Concen: 8.999 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

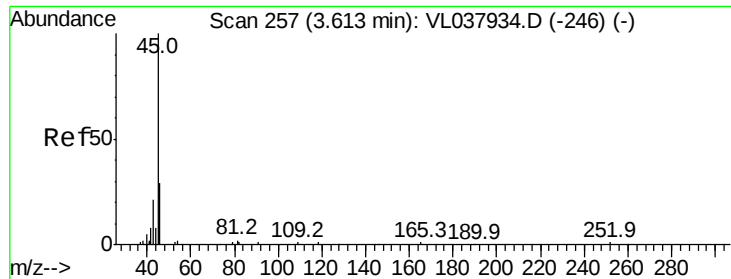
Tot Ion:101 Resp: 2078568
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.555 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL037941.D
 Acq: 1 Nov 2021 15:35

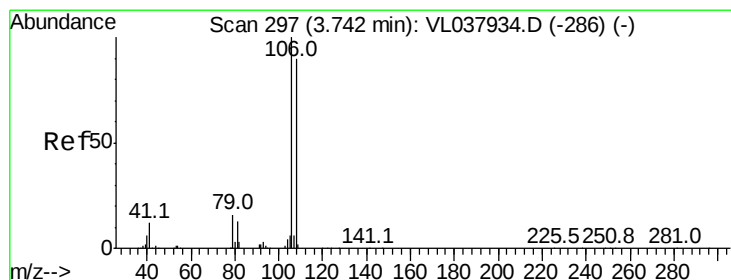
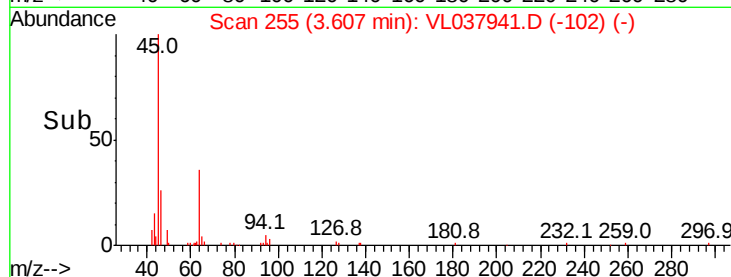
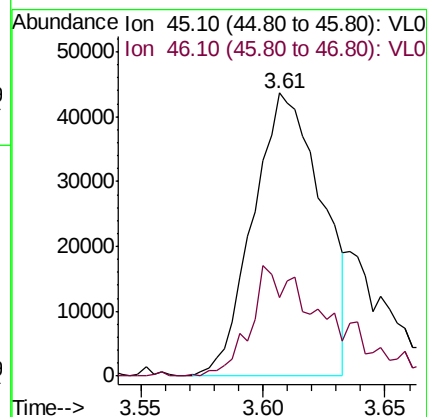
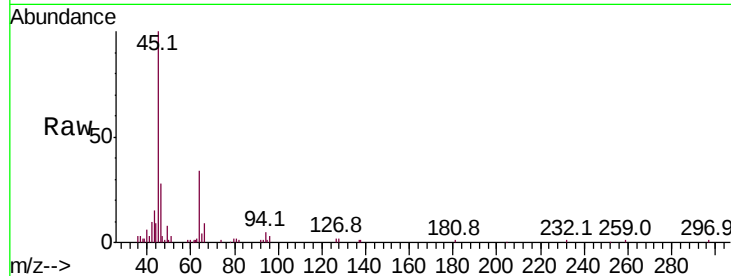
Tgt Ion:101 Resp: 1540334
 Ion Ratio Lower Upper
 101 100
 151 80.6 61.8 92.8





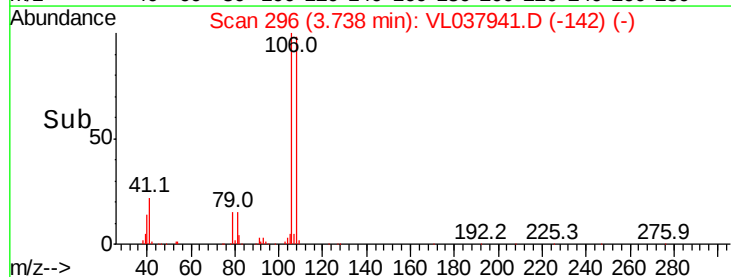
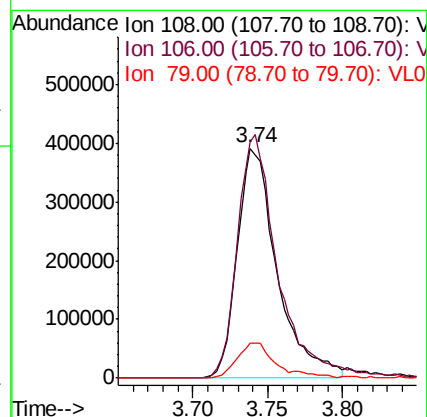
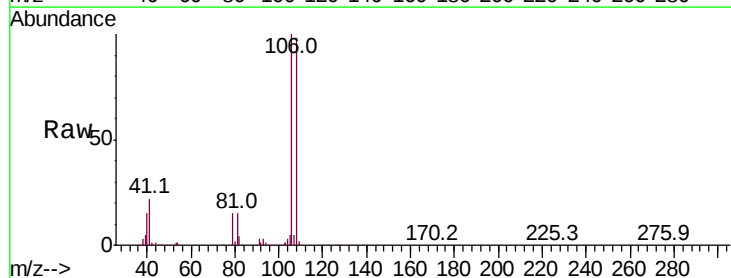
#13
 Ethanol
 Concen: 7.736 ppbv
 RT: 3.61
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

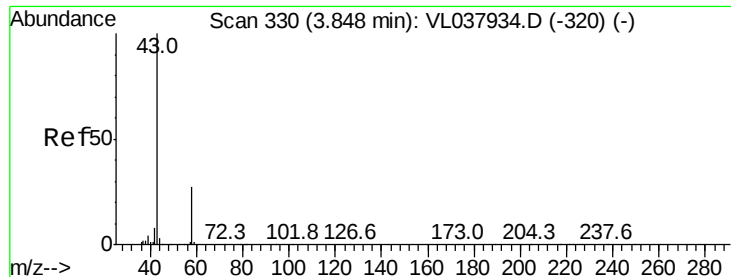
Tot Ion: 45 Resp: 85760
 Ion Ratio Lower Upper
 45 100
 46 47.5 17.4 69.8



#14
 Bromoethene
 Concen: 9.250 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T.: -0.00 min
 Lab File: VL037941.D
 Acq: 1 Nov 2021 15:35

Tgt Ion: 108 Resp: 728562
 Ion Ratio Lower Upper
 108 100
 106 109.2 88.4 132.6
 79 16.0 12.4 18.6





#15

Acetone

Concen: 8.862 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: ICVVL110121

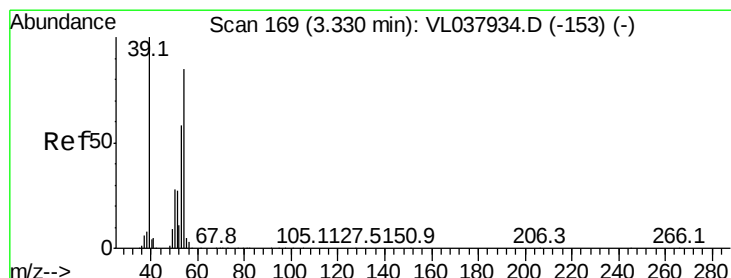
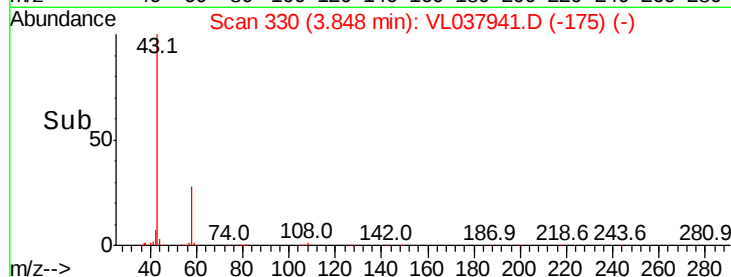
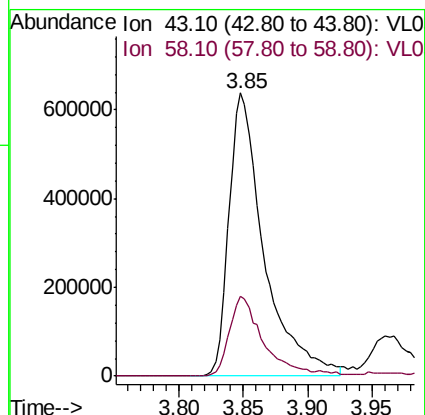
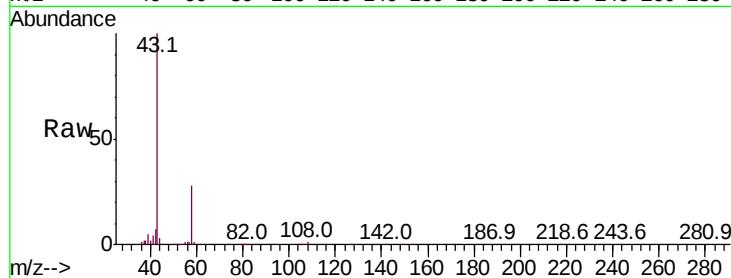
Acq: 1 Nov 2021 15:35

Tot Ion: 43 Resp: 1205627

Ion Ratio Lower Upper

43 100

58 28.1 23.3 34.9



#16

1,3-Butadiene

Concen: 9.143 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL037941.D

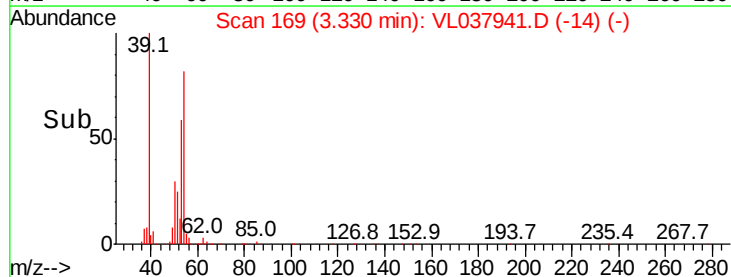
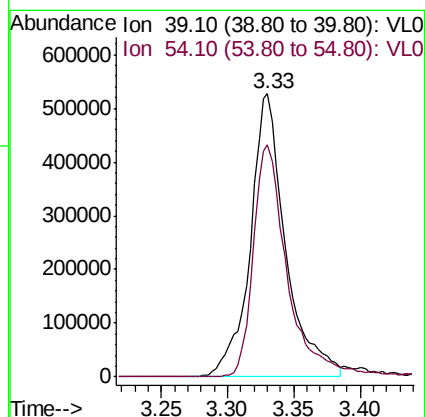
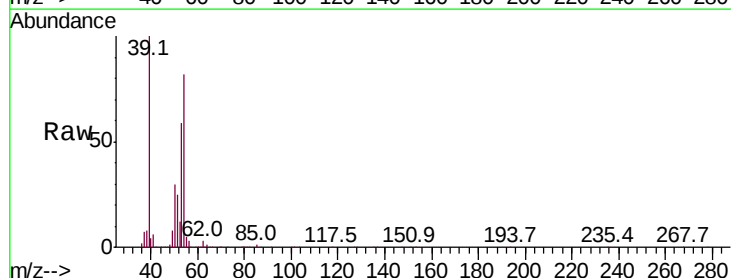
Acq: 1 Nov 2021 15:35

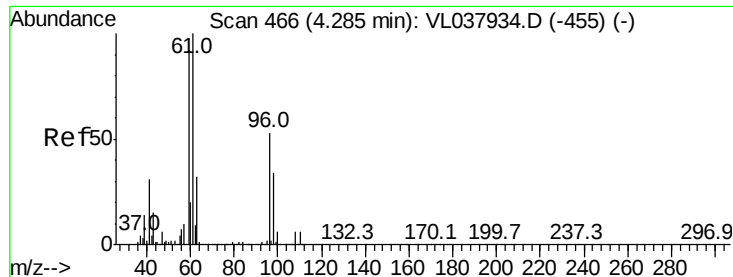
Tgt Ion: 39 Resp: 980150

Ion Ratio Lower Upper

39 100

54 80.0 62.6 93.8





#17

tert-Butyl alcohol

Concen: 9.015 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: ICVVL110121

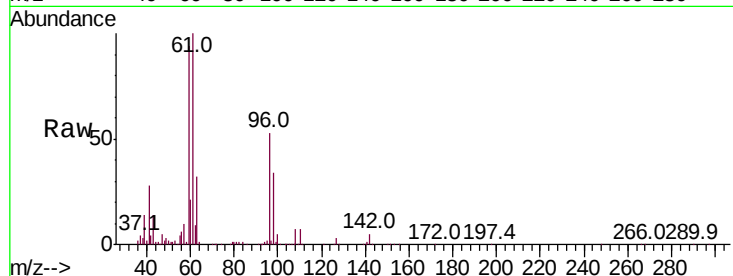
Acq: 1 Nov 2021 15:35

Tot Ion: 59 Resp: 1275266

Ion Ratio Lower Upper

59 100

57 11.1 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

600000

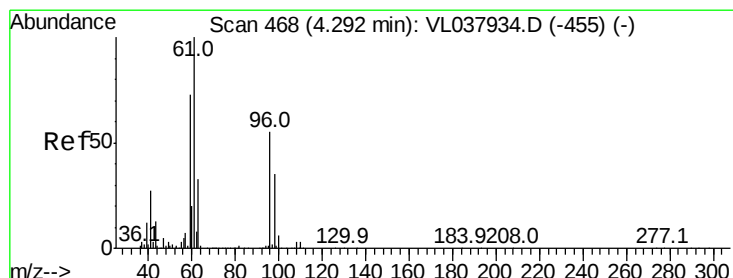
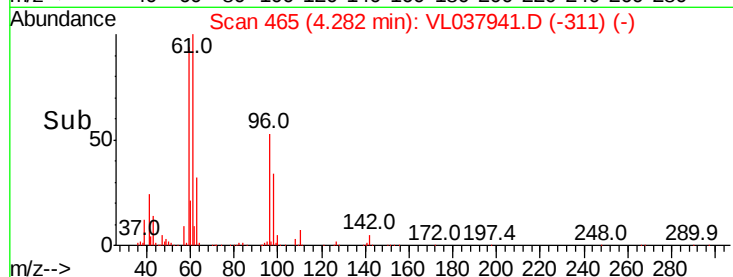
400000

200000

0

4.20 4.25 4.30 4.35

Time-->



#18

1,1-Dichloroethene

Concen: 8.754 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

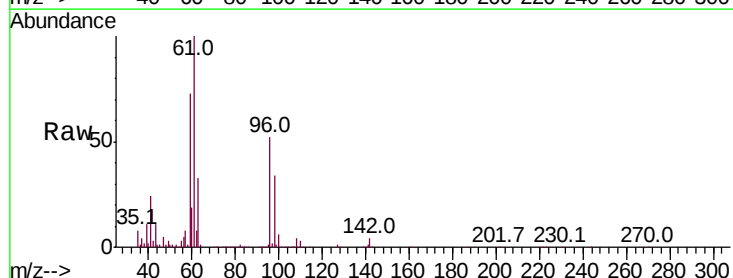
Tgt Ion: 96 Resp: 725458

Ion Ratio Lower Upper

96 100

61 192.3 144.3 216.5

98 65.3 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

1000000

800000

600000

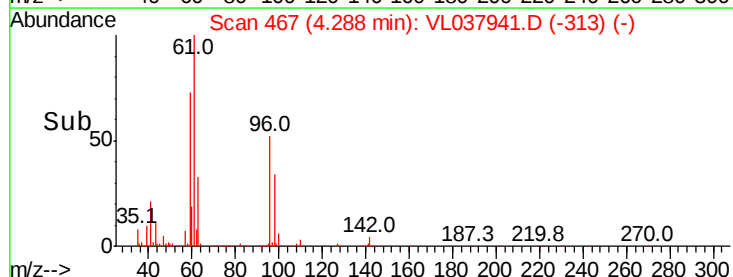
400000

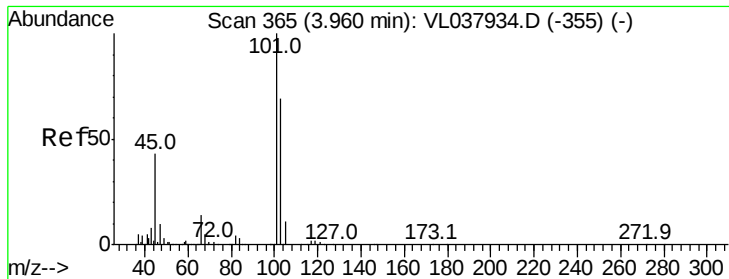
200000

0

4.20 4.25 4.30 4.35

Time-->





#19

Isopropyl Alcohol

Concen: 9.204 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

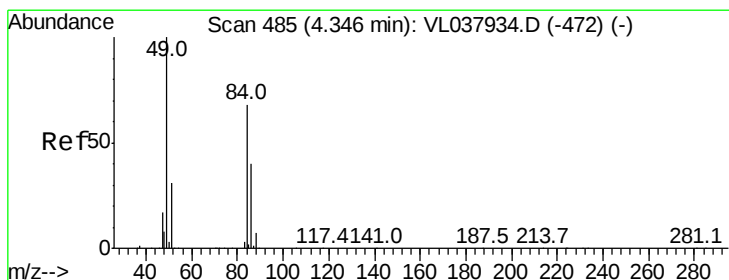
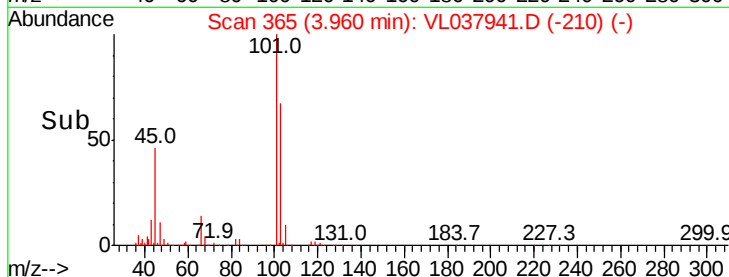
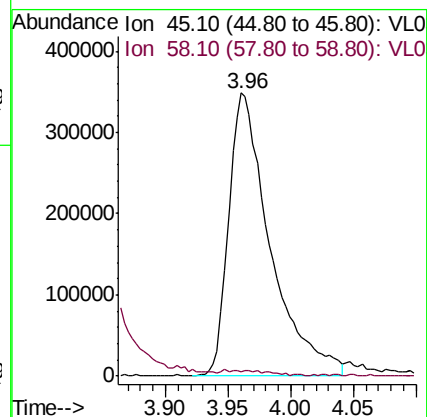
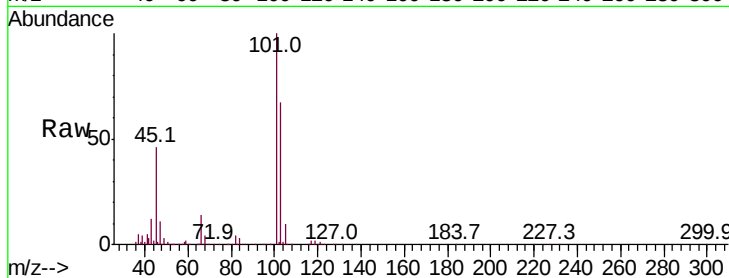
Acq: 1 Nov 2021 15:35

Tot Ion: 45 Resp: 800701

Ion Ratio Lower Upper

45 100

58 2.4 4.0 6.0#



#20

Methylene Chloride

Concen: 8.366 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion: 84 Resp: 624852

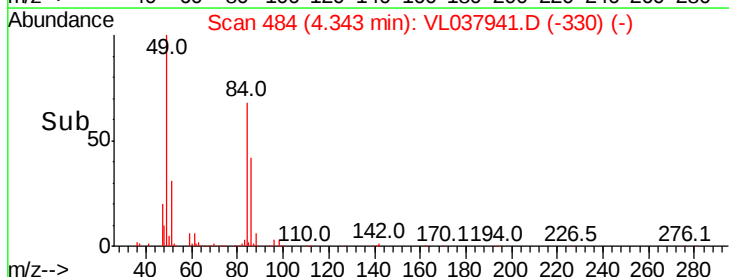
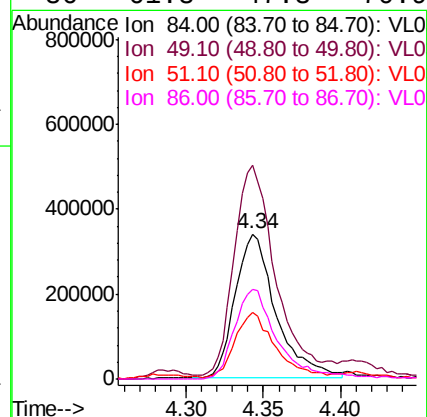
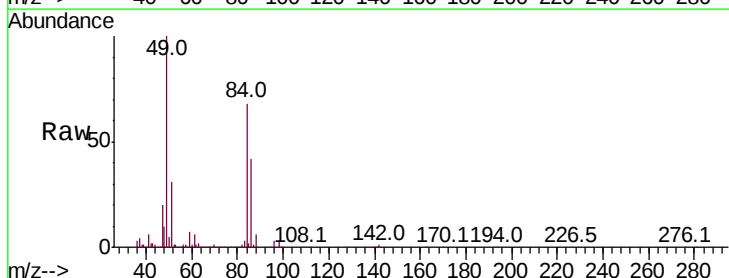
Ion Ratio Lower Upper

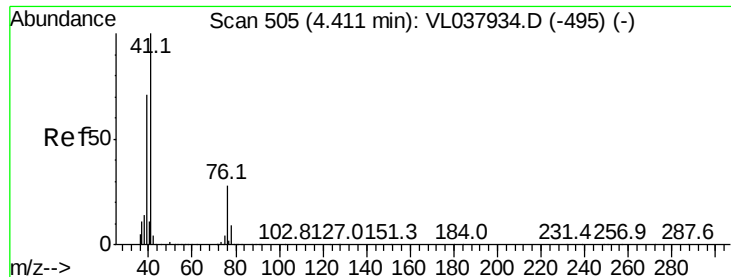
84 100

49 145.6 117.5 176.3

51 44.4 35.9 53.9

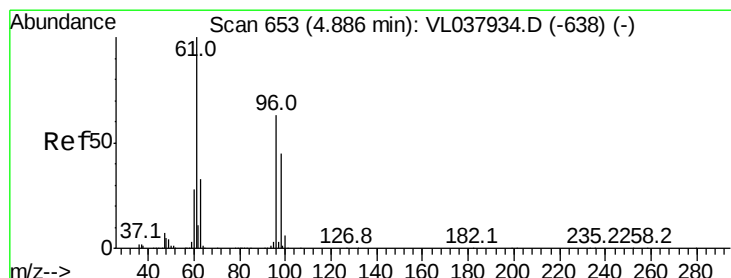
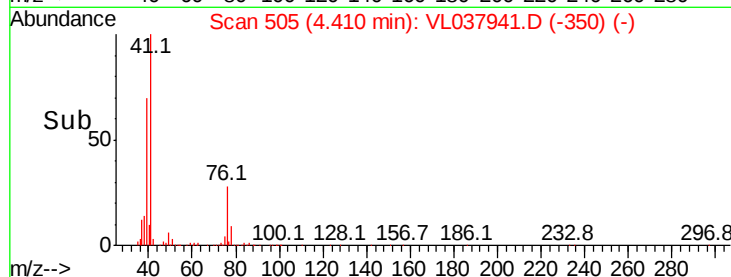
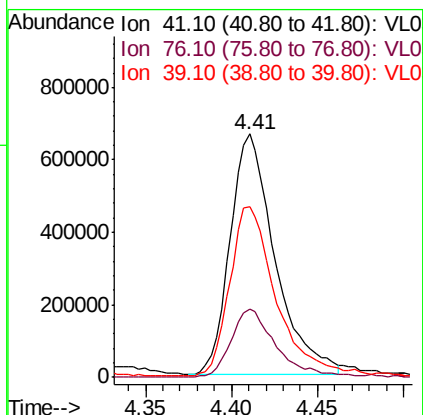
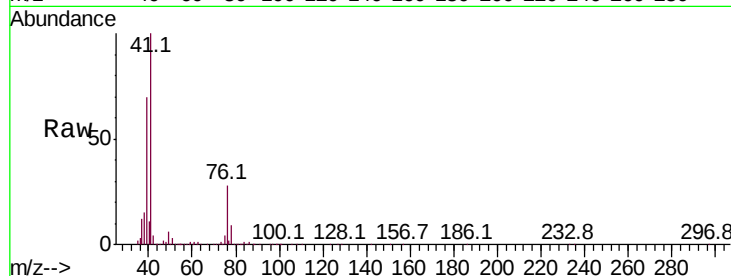
86 61.8 47.3 70.9





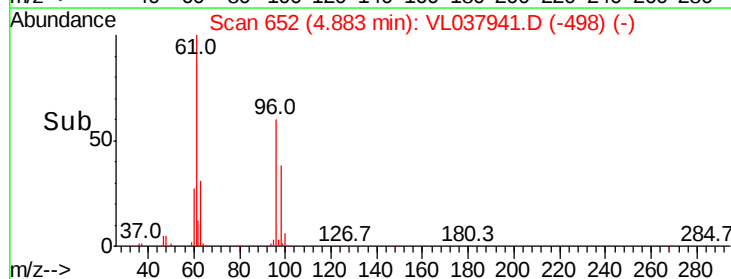
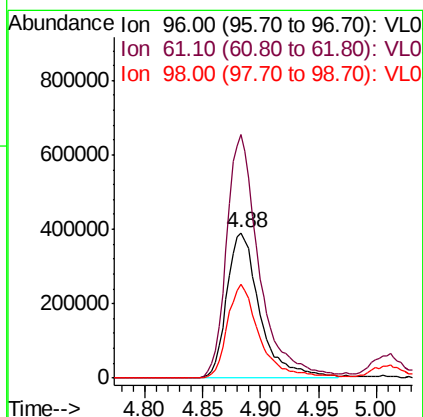
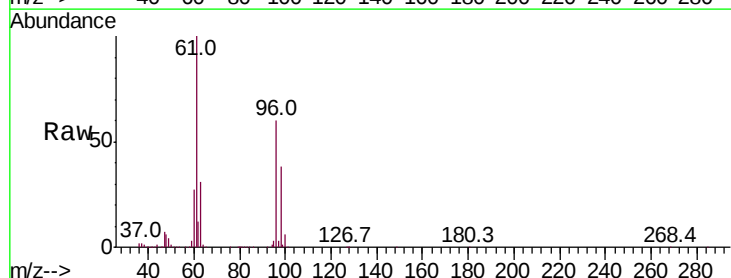
#21
Allvl Chloride
Concen: 9.558 ppbv
RT: 4.41
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 1 Nov 2021 15:35

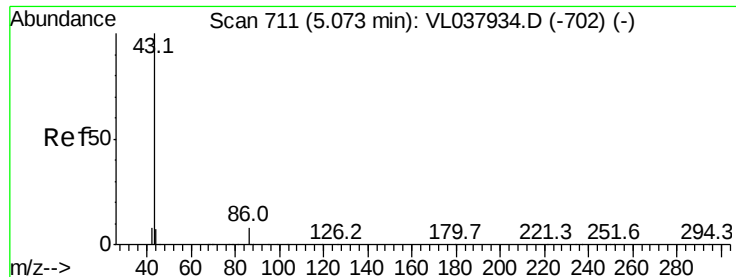
Tot Ion: 41 Resp: 1199804
Ion Ratio Lower Upper
41 100
76 29.0 23.6 35.4
39 74.5 59.7 89.5



#22
trans-1,2-Dichloroethene
Concen: 9.412 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion: 96 Resp: 774994
Ion Ratio Lower Upper
96 100
61 167.2 127.8 191.6
98 64.1 56.9 85.3





#23

Vinyl Acetate

Concen: 10.466 ppbv

RT: 5.07 Instrument: MSVOA_1

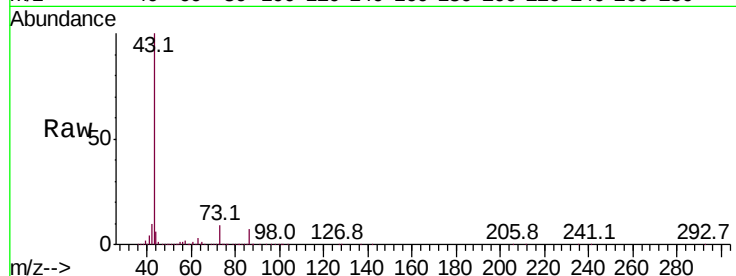
Delta R.T. ClientSampleId:

Lab File: ICVVL110121

Acq: 1 Nov 2021 15:35

Tot Ion: 43 Resp: 2143952

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.5	8.3
42	9.6	7.4	11.2
44	5.2	4.7	7.1

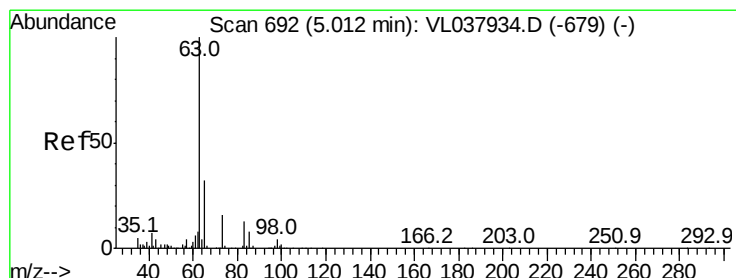
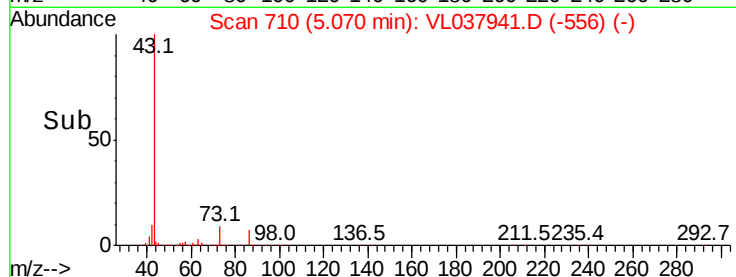
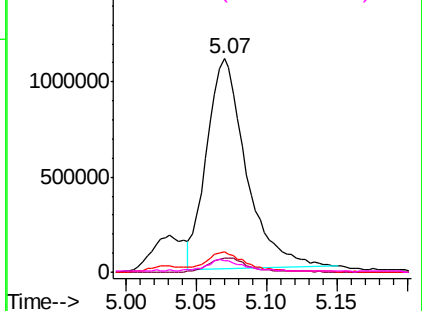


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.901 ppbv

RT: 5.01 min Scan# 691

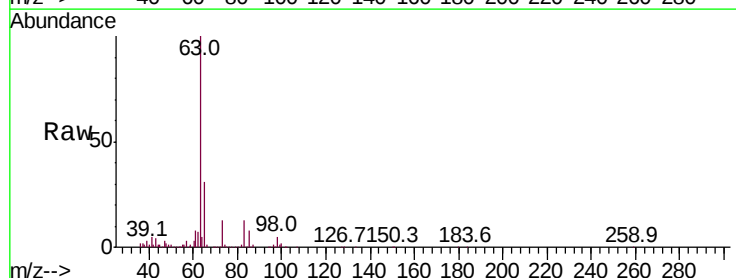
Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion: 63 Resp: 1506413

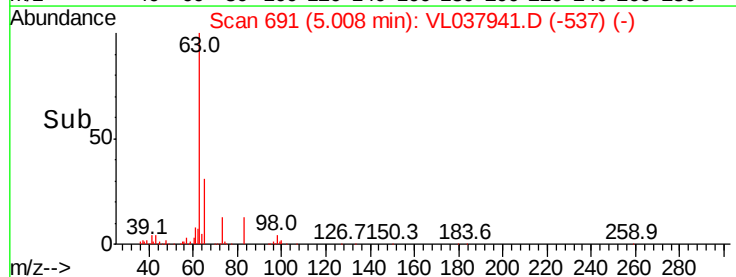
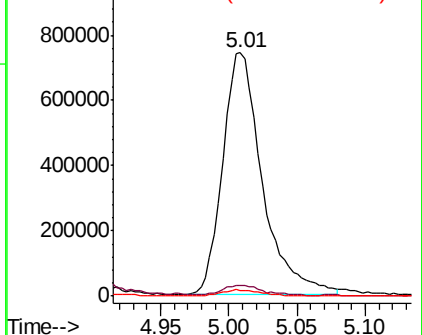
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.9
100	2.4	1.2	3.6

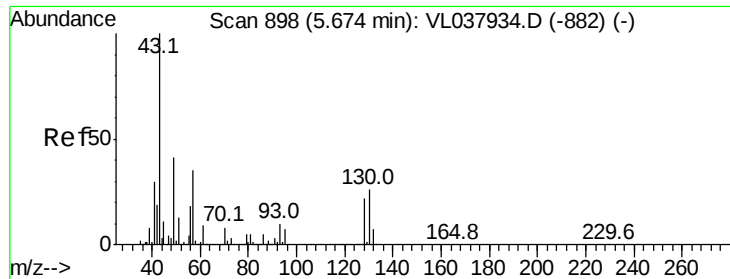


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

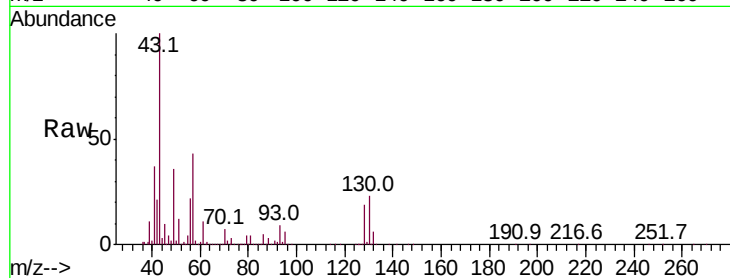




#25
Ethyl Acetate
Concen: 9.501 ppbv
RT: 5.67
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Nov 2021 15:35

Tot Ion: 43 Resp: 3839093

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.9	8.1	12.1
70	7.1	5.8	8.6



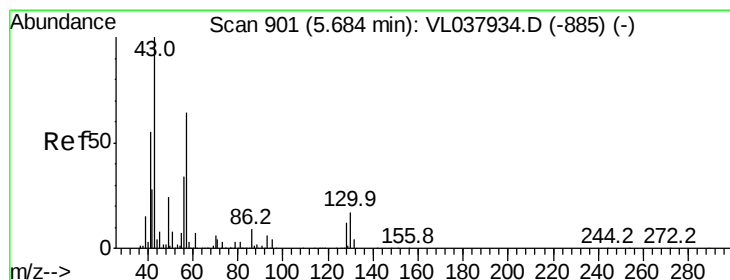
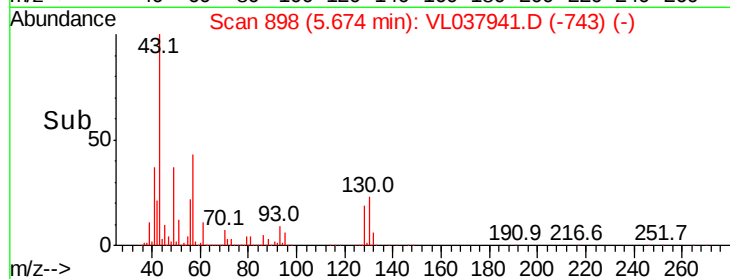
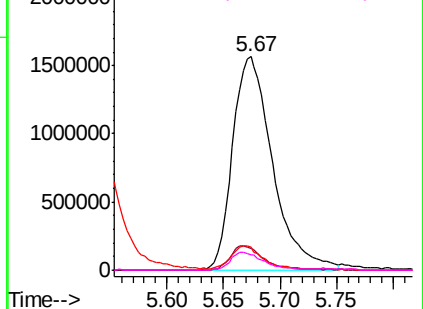
Abundance

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

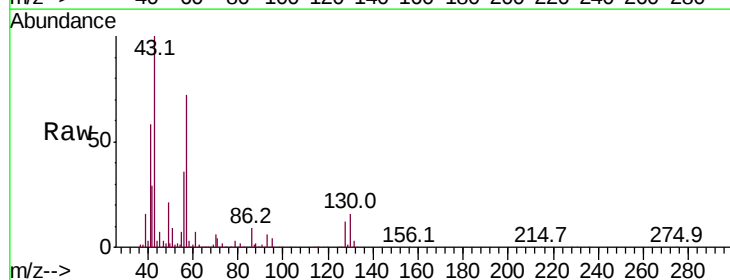
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.503 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion: 57 Resp: 1819312

Ion	Ratio	Lower	Upper
57	100		
41	87.2	71.0	106.6
43	215.2	173.0	259.6
56	53.1	43.6	65.4



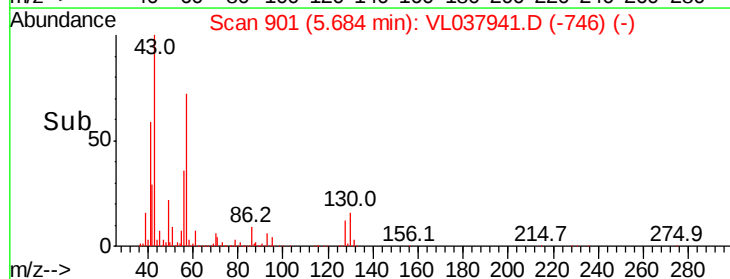
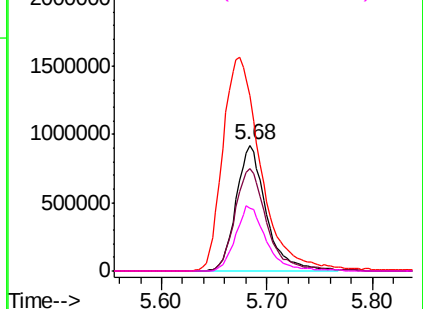
Abundance

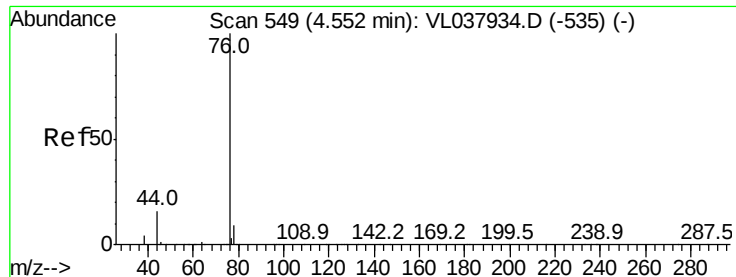
Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 9.988 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

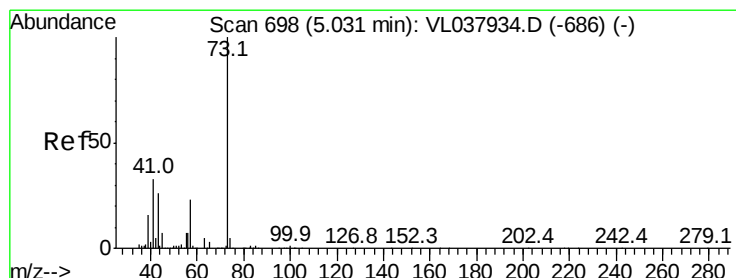
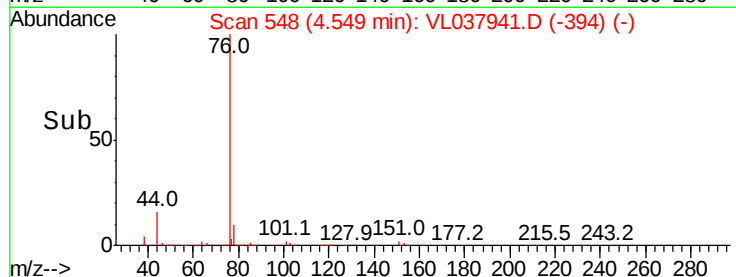
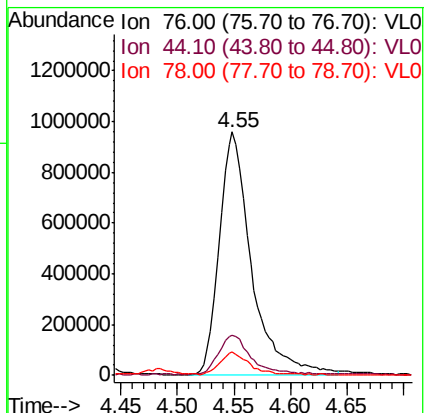
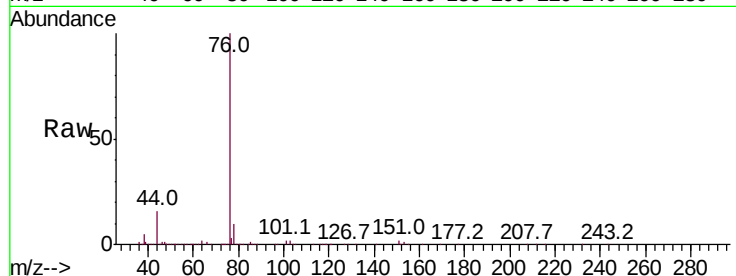
Tot Ion: 76 Resp: 1887664

Ion Ratio Lower Upper

76 100

44 17.0 13.2 19.8

78 9.7 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.701 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL037941.D

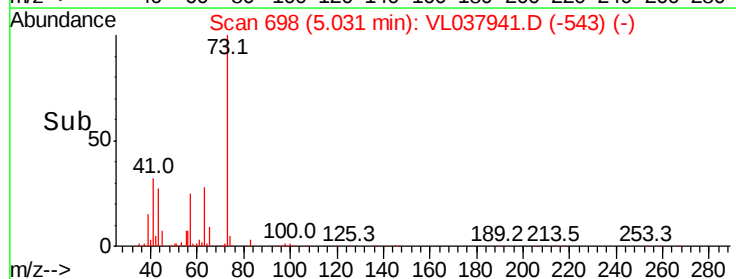
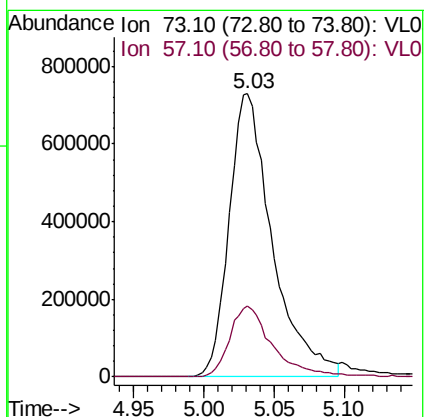
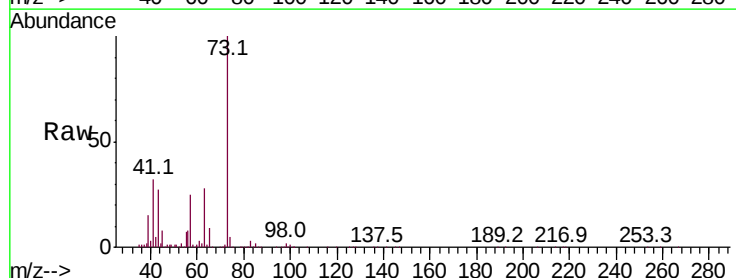
Acq: 1 Nov 2021 15:35

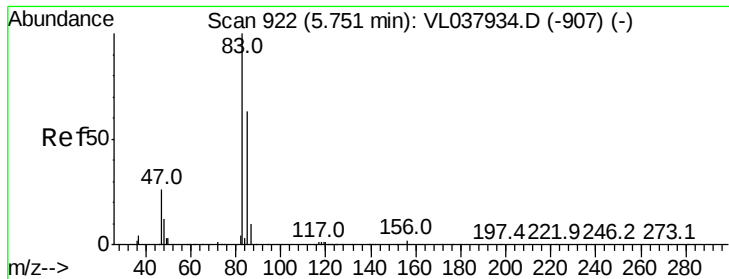
Tgt Ion: 73 Resp: 1561478

Ion Ratio Lower Upper

73 100

57 25.5 20.1 30.1





#29

Chloroform

Concen: 8.697 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

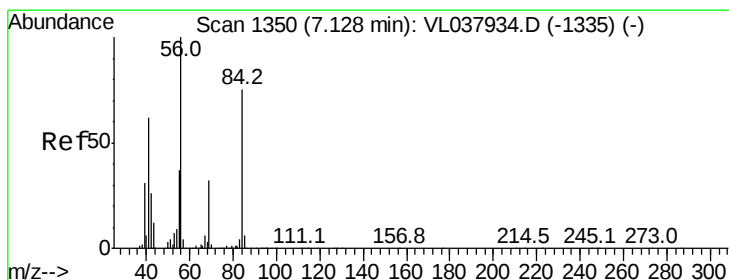
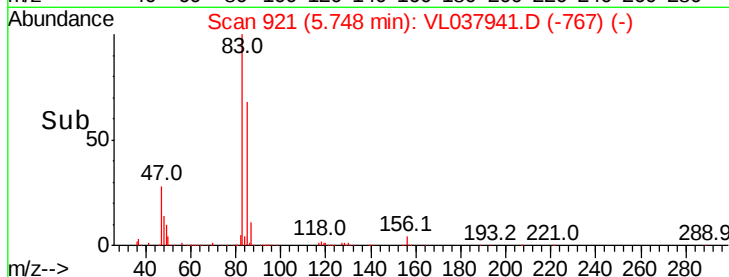
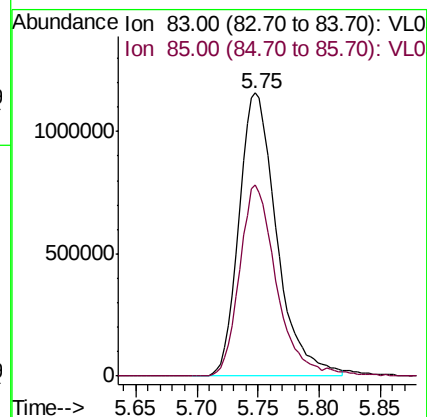
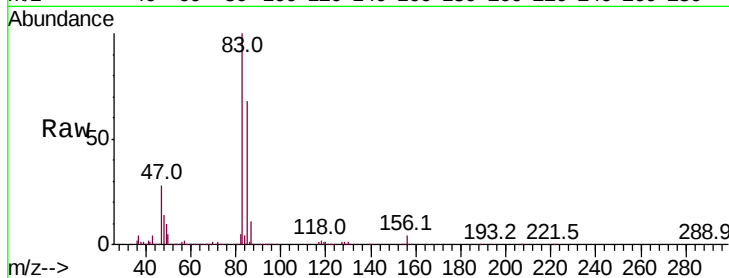
Acq: 1 Nov 2021 15:35

Tot Ion: 83 Resp: 2482881

Ion Ratio Lower Upper

83 100

85 67.4 50.6 76.0



#30

Cyclohexane

Concen: 9.371 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

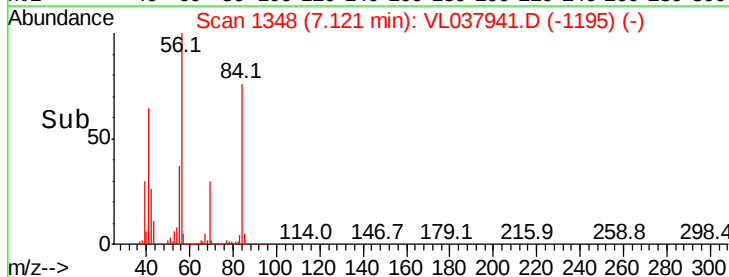
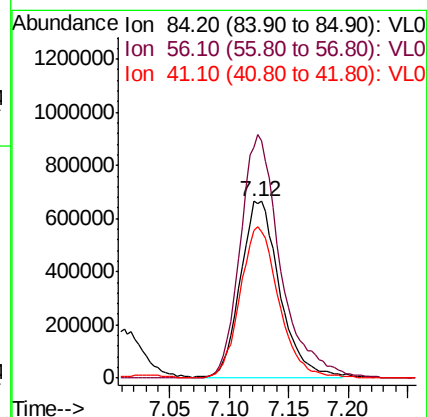
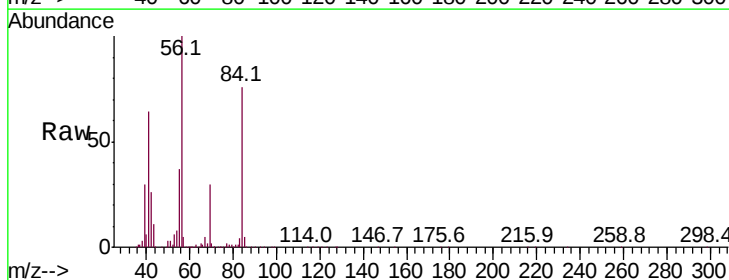
Tgt Ion: 84 Resp: 1533559

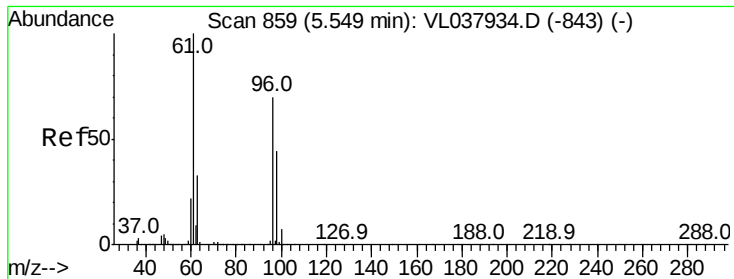
Ion Ratio Lower Upper

84 100

56 141.2 114.0 171.0

41 84.6 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 9.733 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

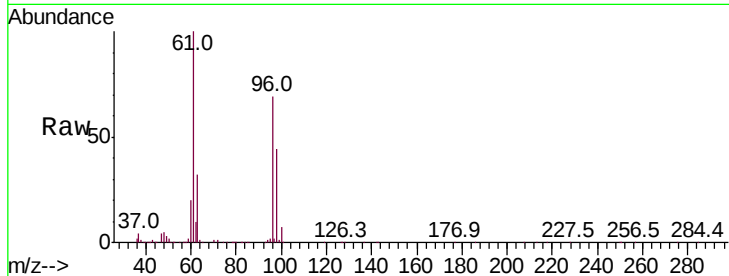
Tot Ion: 61 Resp: 1700134

Ion Ratio Lower Upper

61 100

96 69.3 55.6 83.4

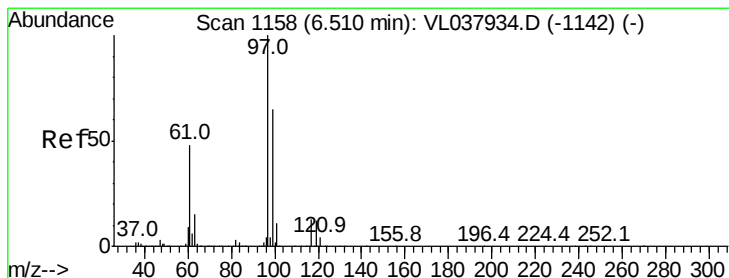
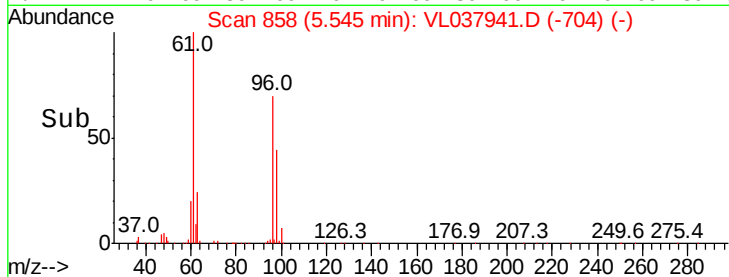
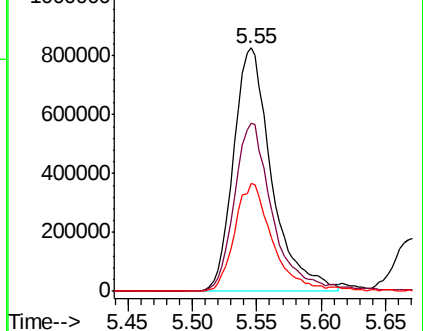
98 44.3 34.9 52.3



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: 8.395 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

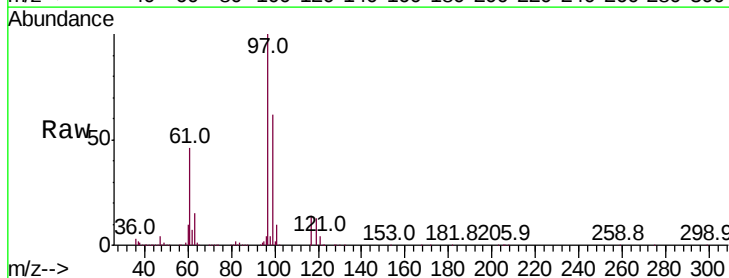
Tgt Ion: 97 Resp: 2355845

Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.4

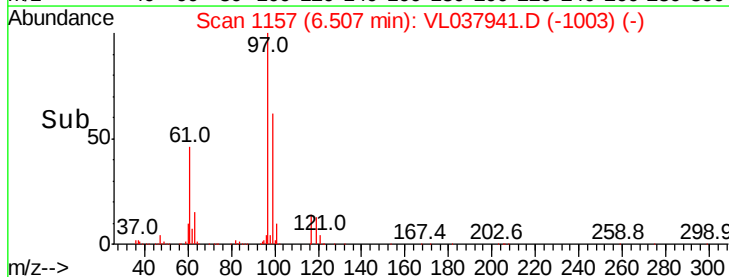
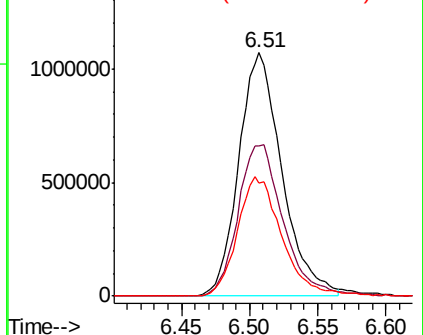
61 50.9 39.8 59.6

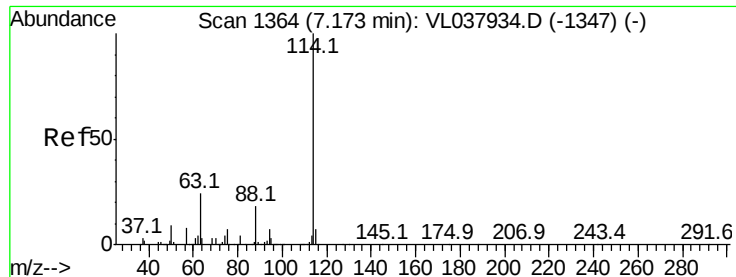


Abundance Ion 97.00 (96.70 to 97.70): VL0

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_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

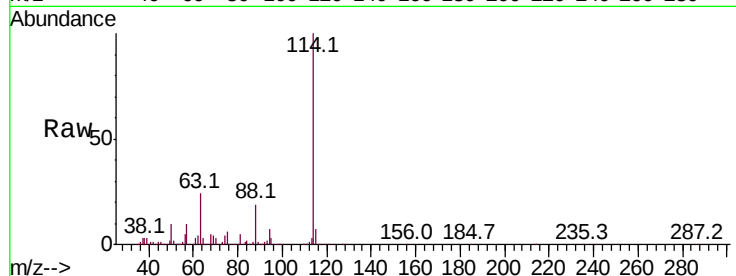
Tot Ion:114 Resp: 4855251

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.0

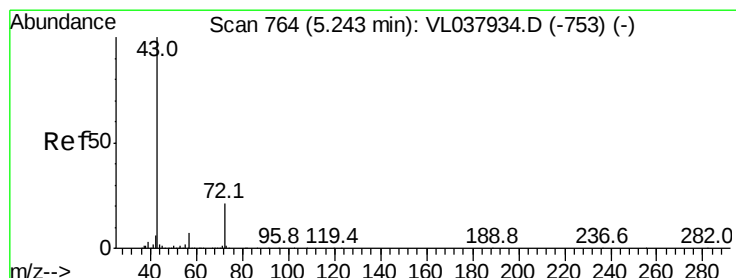
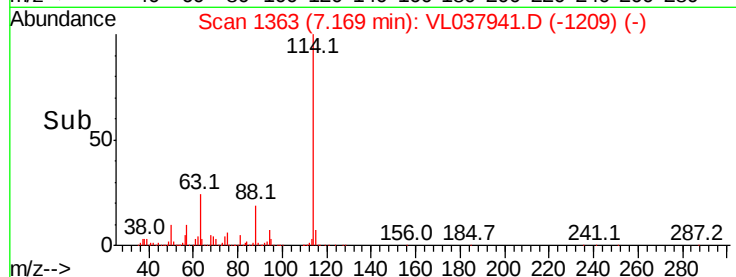
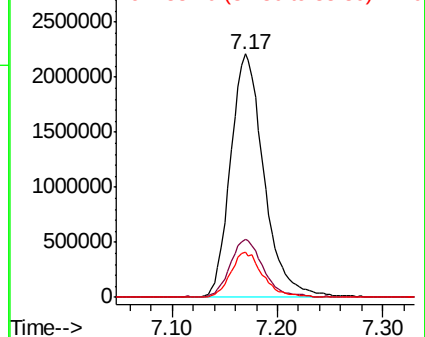
88 18.0 14.2 21.4



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



#34

2-Butanone

Concen: 9.683 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL037941.D

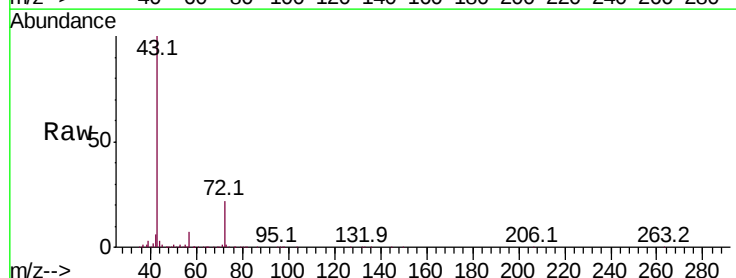
Acq: 1 Nov 2021 15:35

Tgt Ion: 43 Resp: 1742129

Ion Ratio Lower Upper

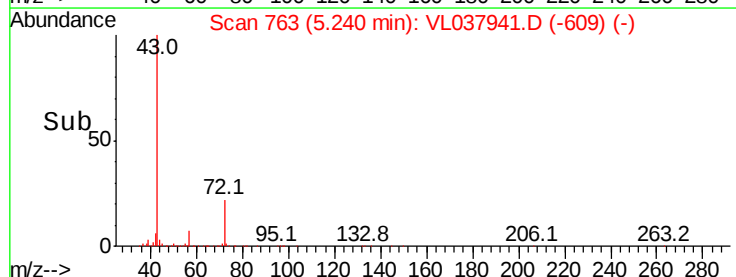
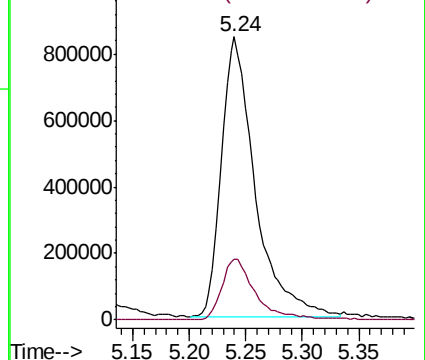
43 100

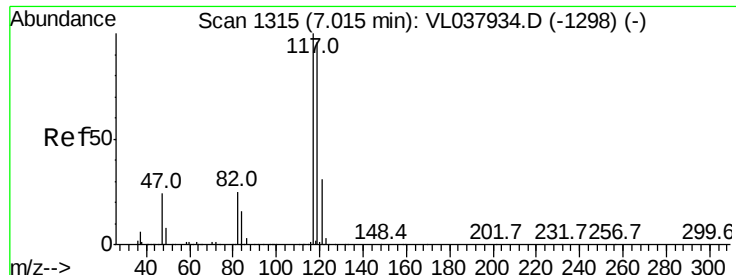
72 22.5 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.423 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

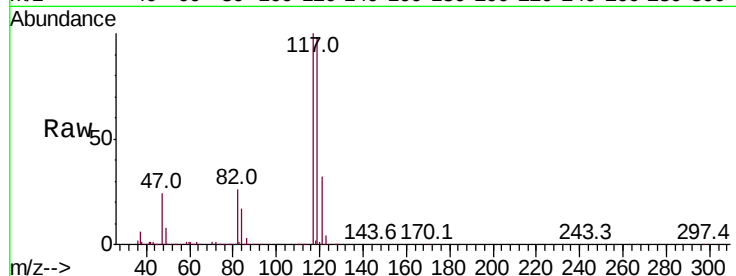
Tot Ion:117 Resp: 2472381

Ion Ratio Lower Upper

117 100

119 98.1 76.6 114.8

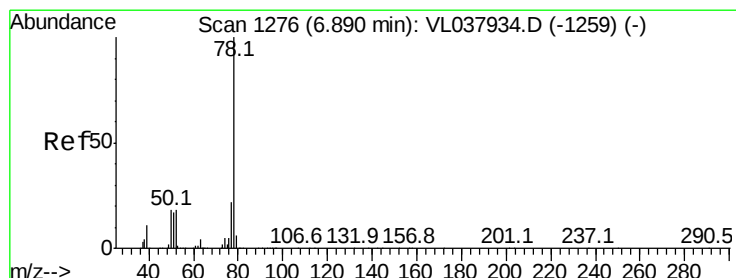
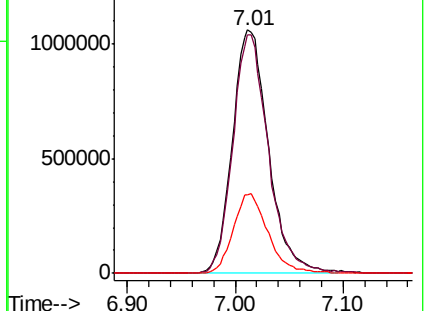
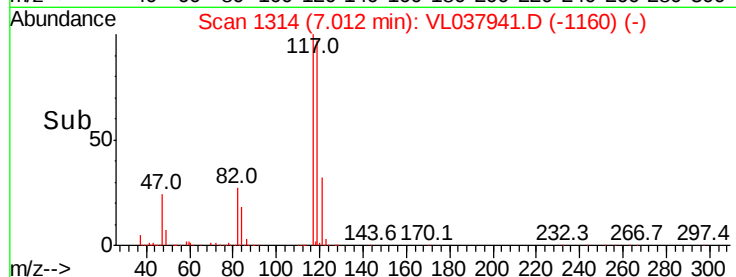
121 32.1 25.1 37.7



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: 9.437 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

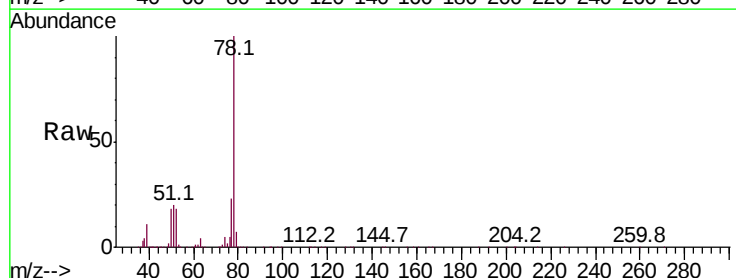
Tgt Ion: 78 Resp: 3731401

Ion Ratio Lower Upper

78 100

77 23.4 17.9 26.9

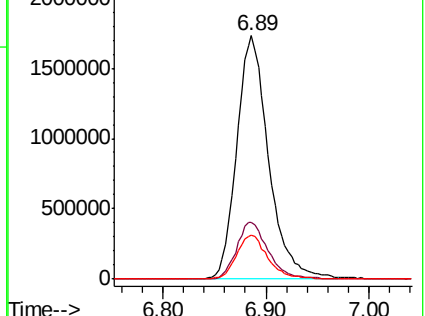
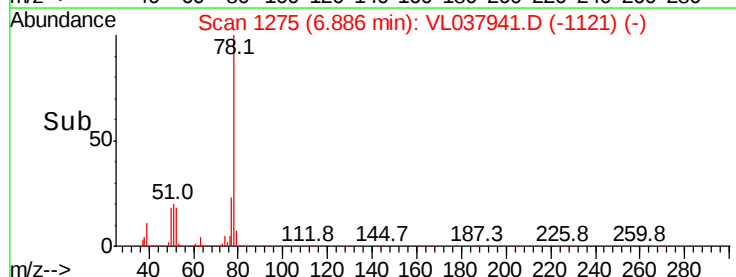
50 17.8 14.4 21.6

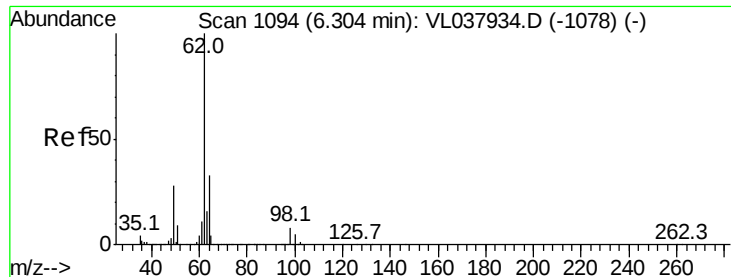


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.308 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

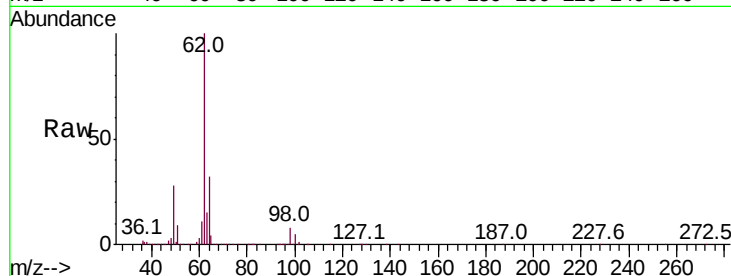
Acq: 1 Nov 2021 15:35

Tot Ion: 62 Resp: 1749663

Ion Ratio Lower Upper

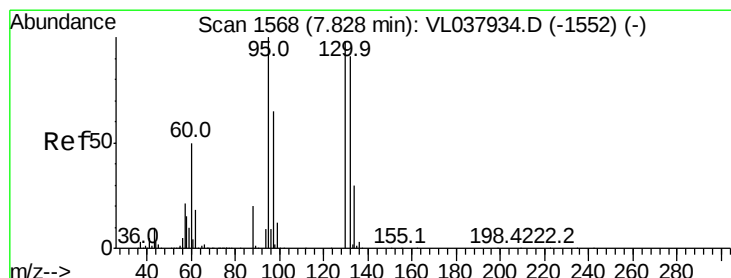
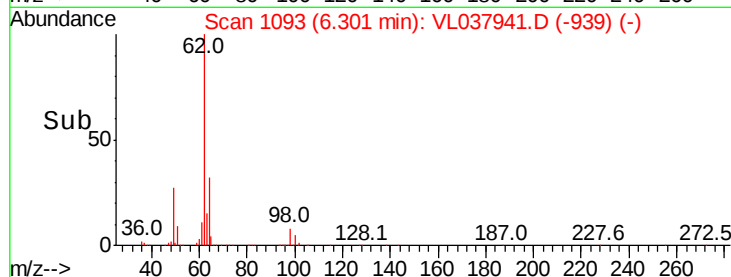
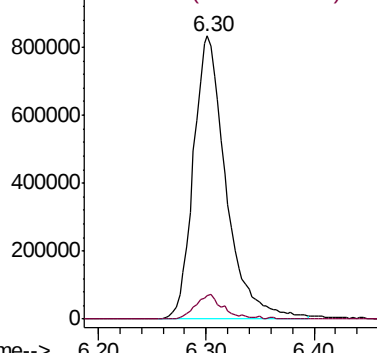
62 100

98 8.0 6.5 9.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.784 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion:130 Resp: 1441480

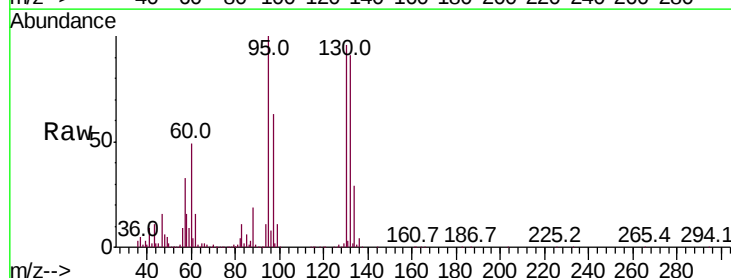
Ion Ratio Lower Upper

130 100

95 104.7 81.8 122.8

132 94.8 74.2 111.2

97 65.5 53.4 80.2

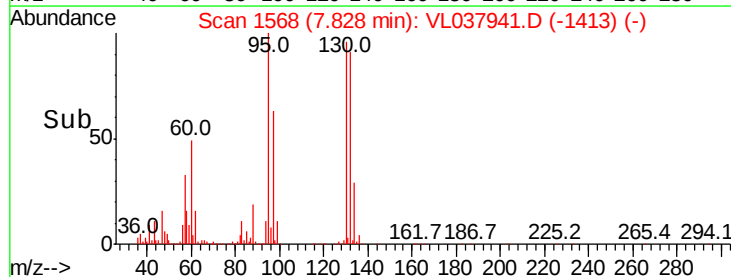
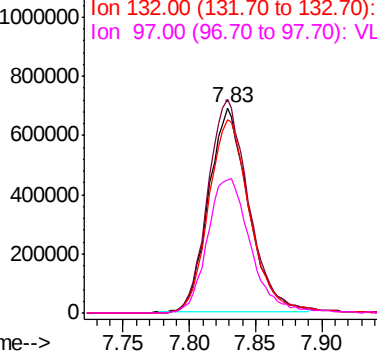


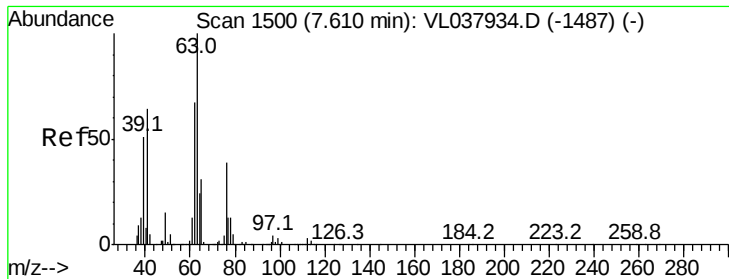
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.517 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

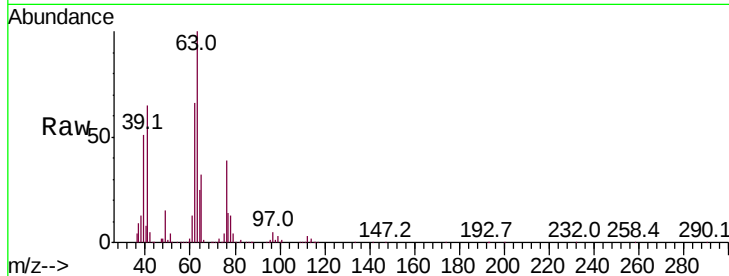
Tot Ion: 63 Resp: 1415808

Ion Ratio Lower Upper

63 100

41 64.7 51.6 77.4

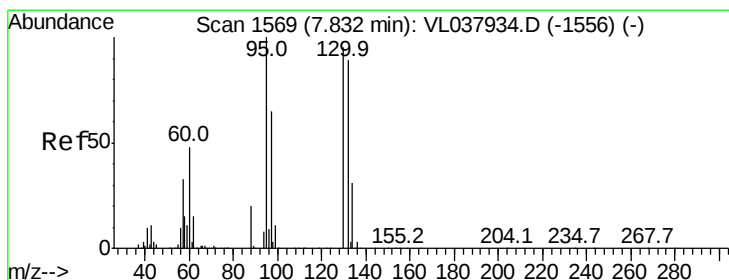
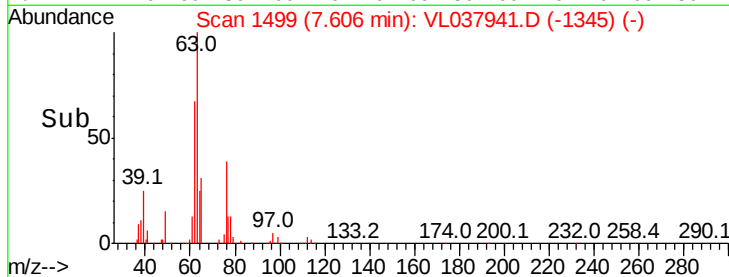
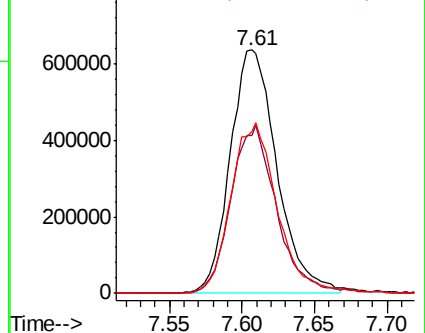
62 66.3 53.5 80.3



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: 5.250 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion: 88 Resp: 205713

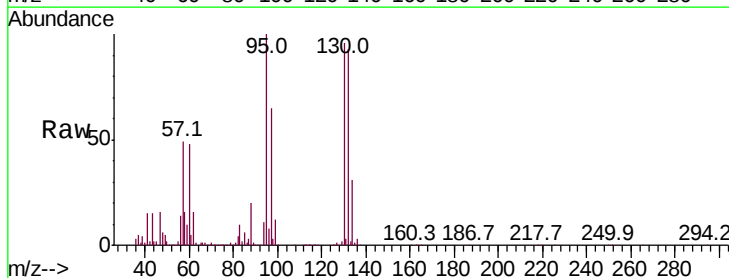
Ion Ratio Lower Upper

88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#

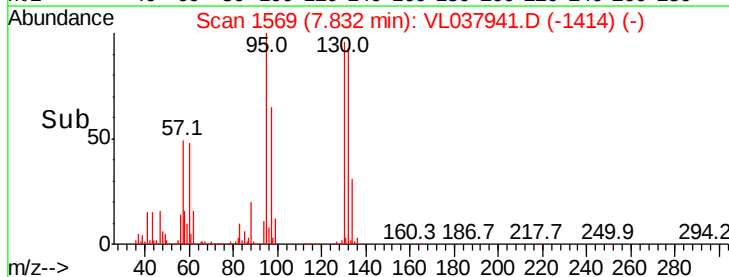
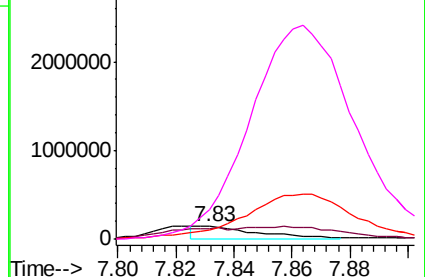


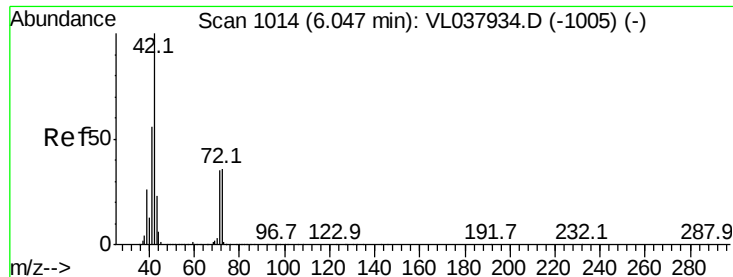
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.706 ppbv

RT: 6.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 1 Nov 2021 15:35

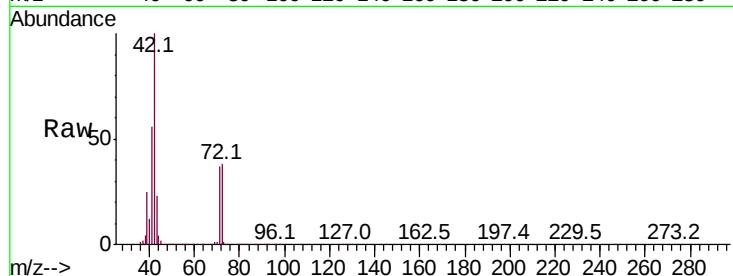
Tot Ion: 42 Resp: 942471

Ion Ratio Lower Upper

42 100

72 37.3 31.5 47.3

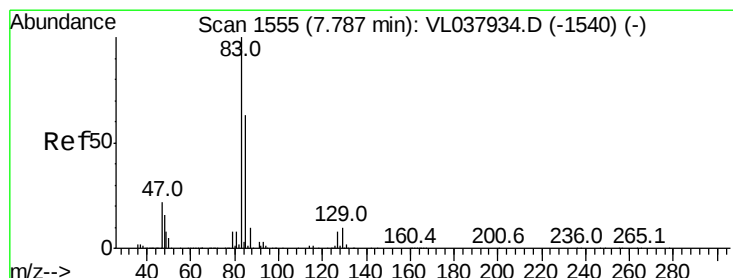
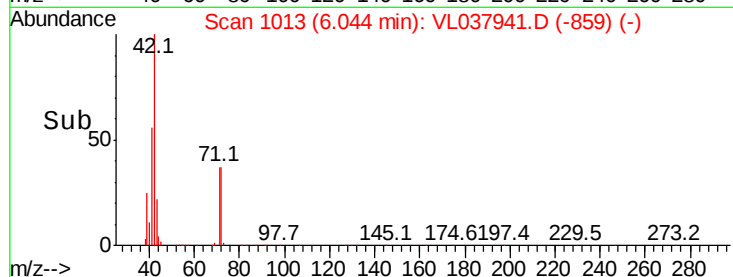
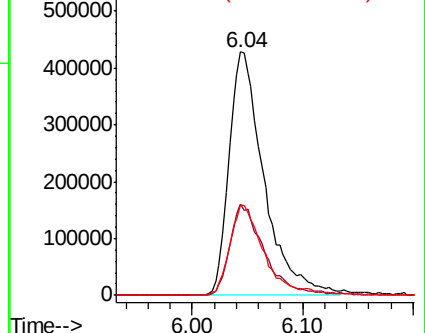
71 37.0 30.5 45.7



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: 9.292 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

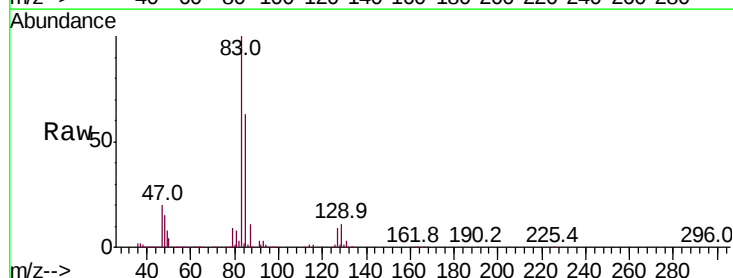
Tgt Ion: 83 Resp: 2640856

Ion Ratio Lower Upper

83 100

85 63.4 50.1 75.1

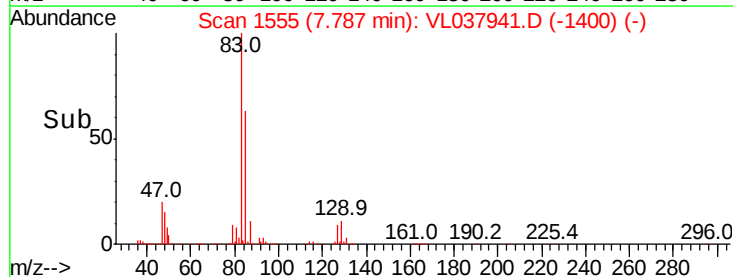
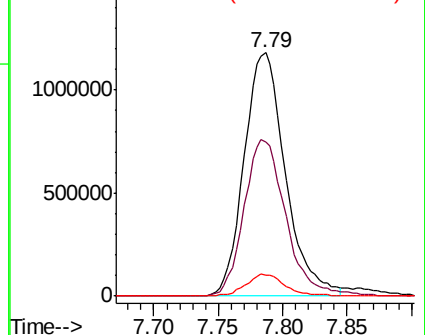
127 8.8 6.1 9.1

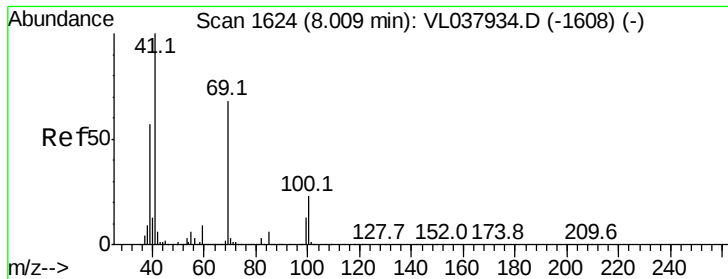


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.157 ppbv

RT: 8.01

Instrument: MSVOA_1

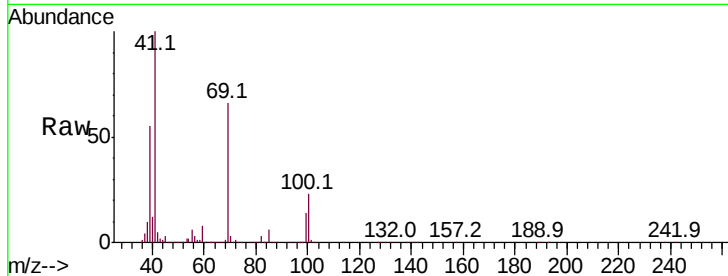
Delta R.T. ClientSampleId:

Lab File: ICVVL110121

Acq: 1 Nov 2021 15:35

Tot Ion: 69 Resp: 1318132

Ion	Ratio	Lower	Upper
69	100		
41	151.6	117.4	176.2
100	35.0	27.8	41.6

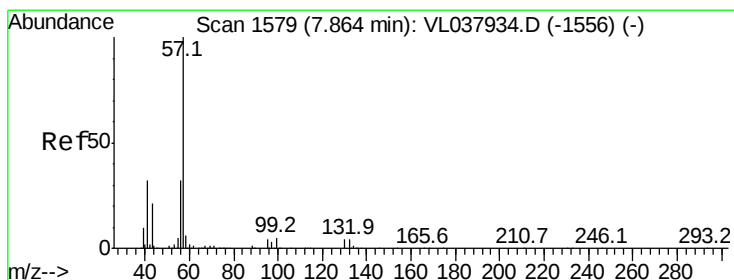
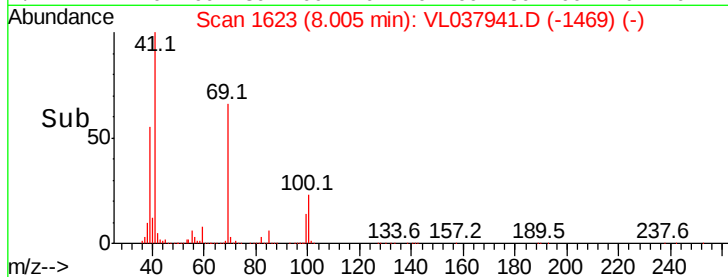
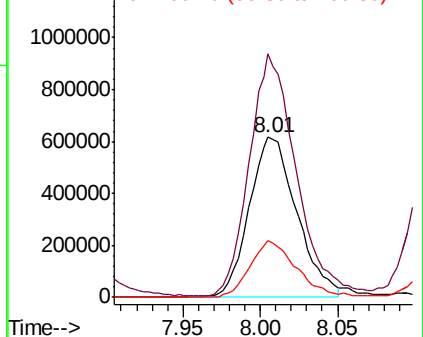


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.244 ppbv

RT: 7.86 min Scan# 1579

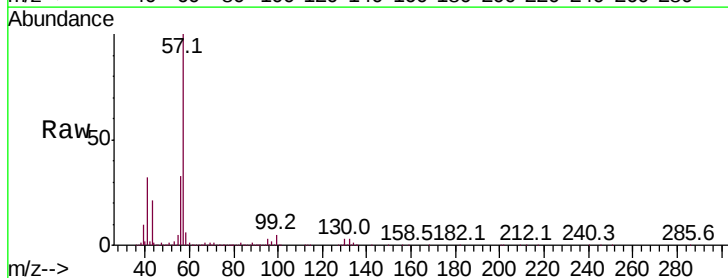
Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion: 57 Resp: 6216691

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.8	38.8
56	32.1	25.9	38.9

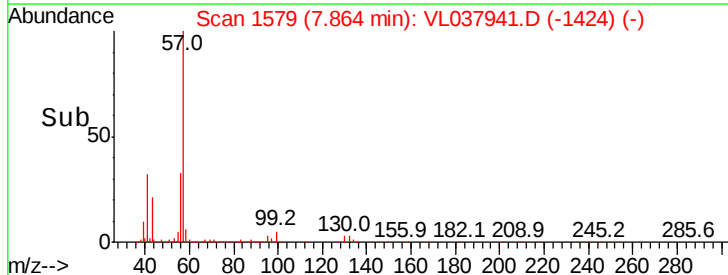
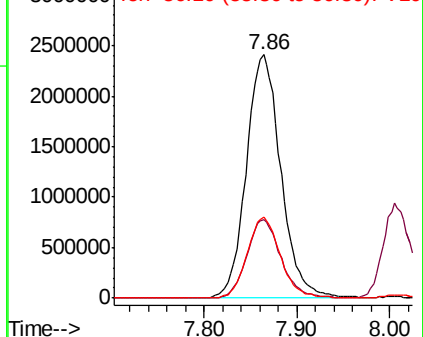


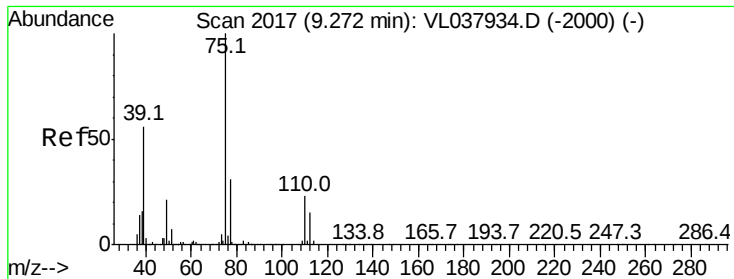
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.905 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

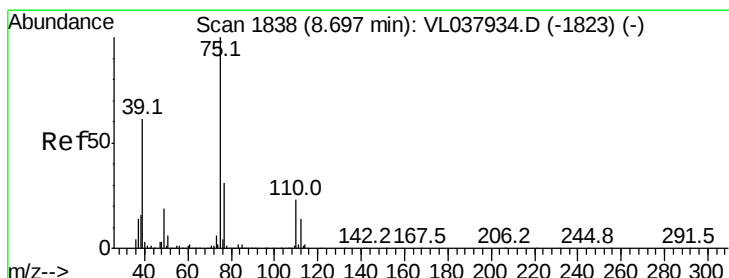
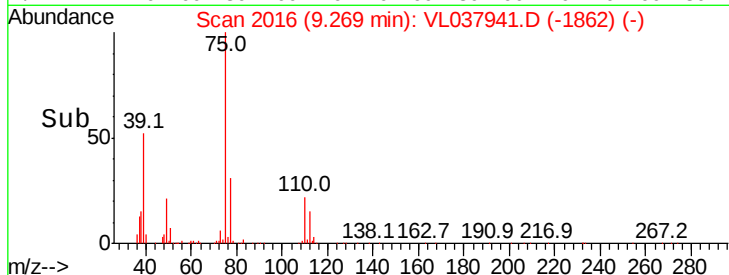
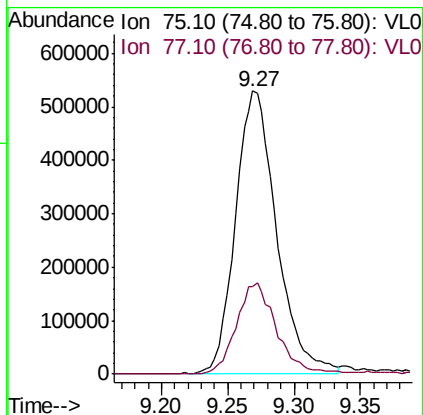
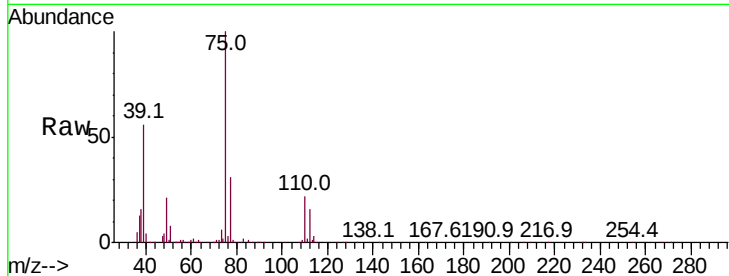
Acq: 1 Nov 2021 15:35

Tot Ion: 75 Resp: 1135263

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.328 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

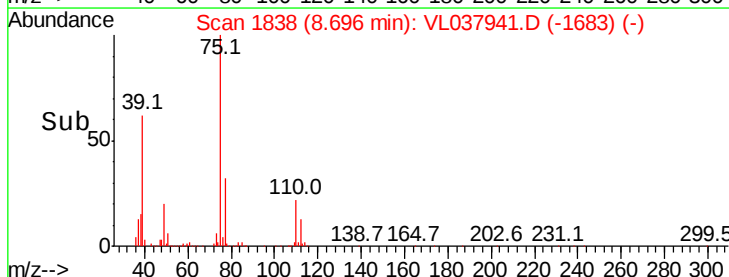
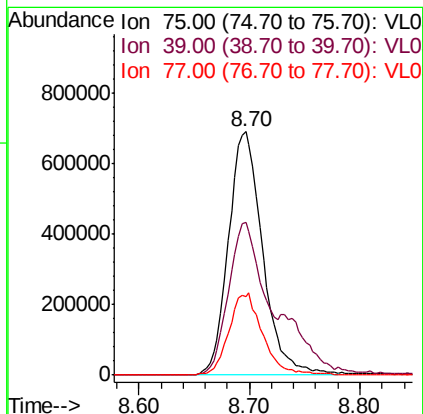
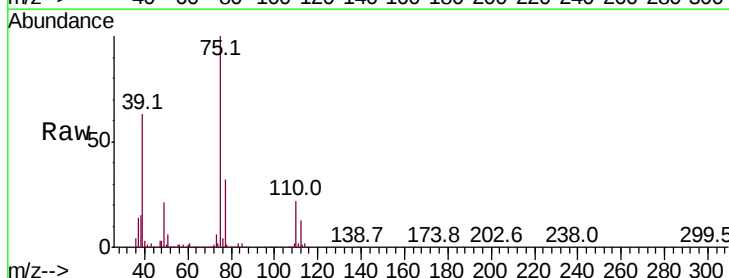
Tgt Ion: 75 Resp: 1485191

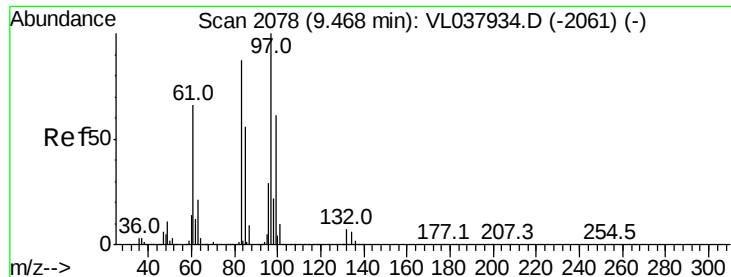
Ion Ratio Lower Upper

75 100

39 62.6 48.8 73.2

77 32.3 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 8.864 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

Tot Ion: 97 Resp: 1481631

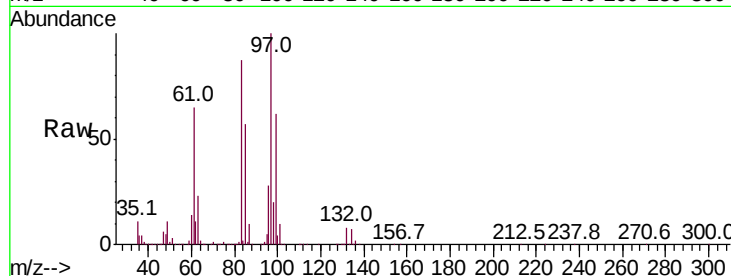
Ion Ratio Lower Upper

97 100

83 86.5 69.4 104.2

85 56.4 45.0 67.6

99 61.9 48.7 73.1

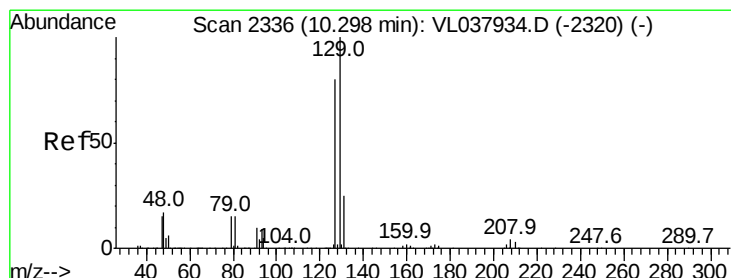
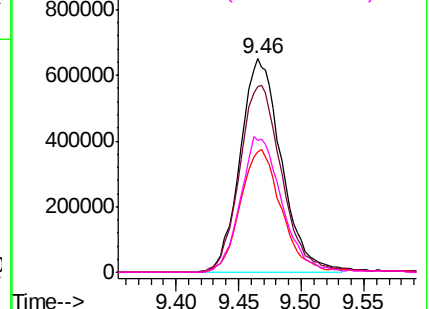
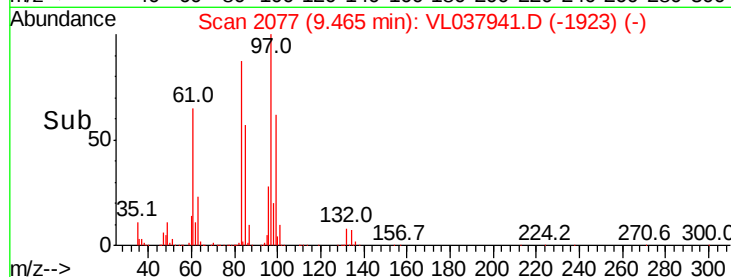


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.849 ppbv

RT: 10.29 min Scan# 2335

Delta R.T. -0.00 min

Lab File: VL037941.D

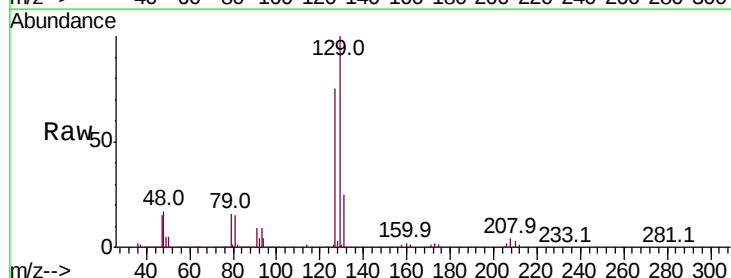
Acq: 1 Nov 2021 15:35

Tgt Ion:129 Resp: 2330859

Ion Ratio Lower Upper

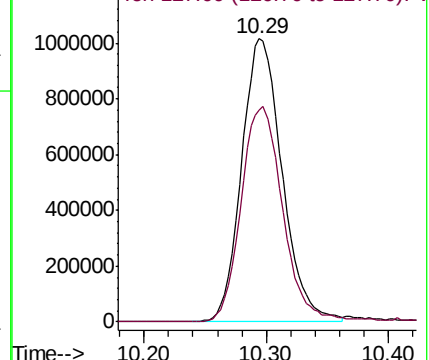
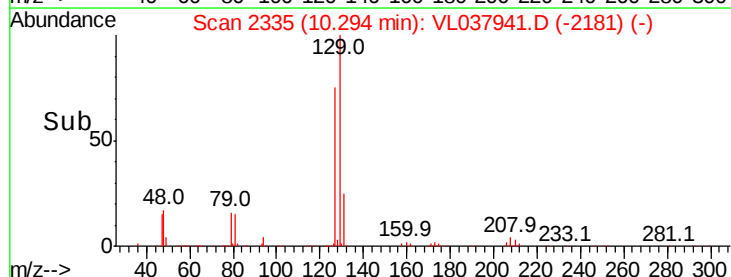
129 100

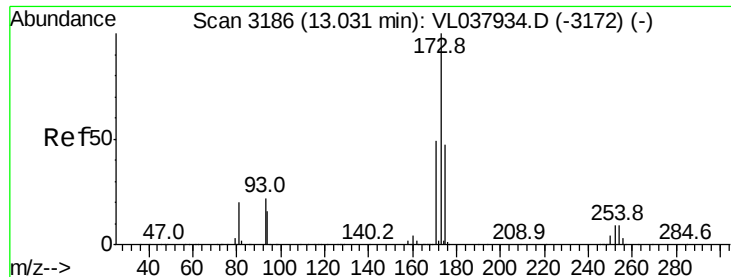
127 78.6 40.3 120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.261 ppbv

RT: 13.03

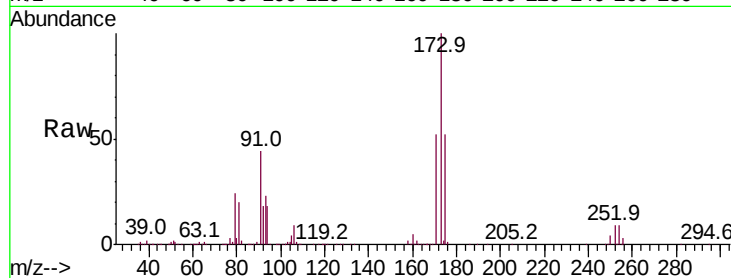
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 1 Nov 2021 15:35

Tot Ion:173 Resp: 1919544

Ion	Ratio	Lower	Upper
173	100		
175	51.7	39.5	59.3
171	54.6	43.6	65.4

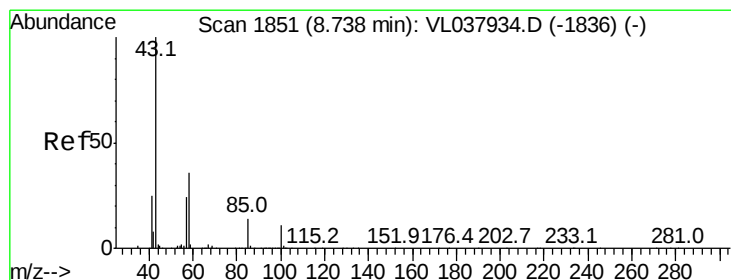
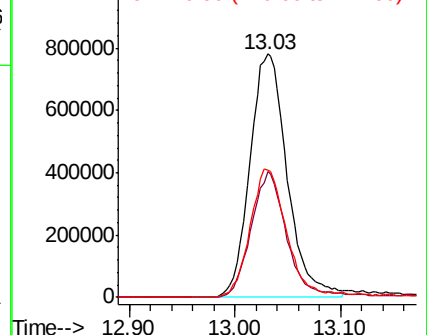
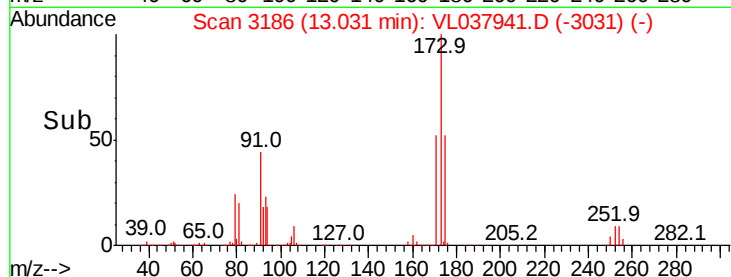


Abundance

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: 10.045 ppbv

RT: 8.74 min Scan# 1850

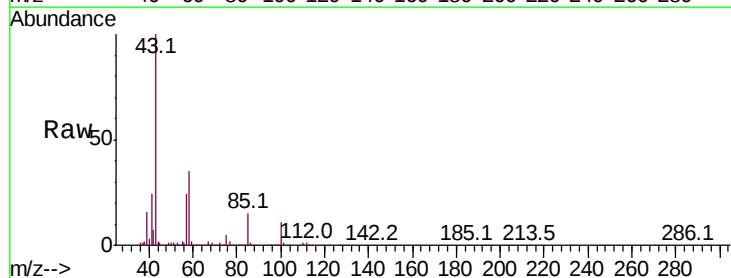
Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion: 43 Resp: 2374456

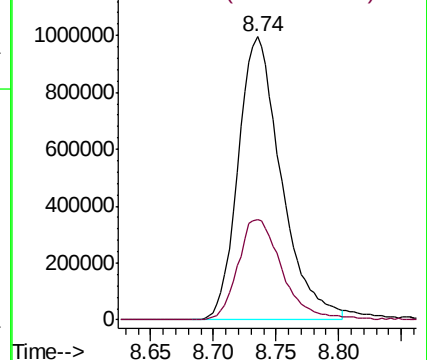
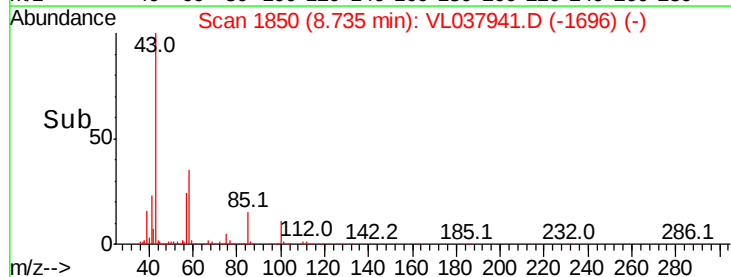
Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.8	43.2

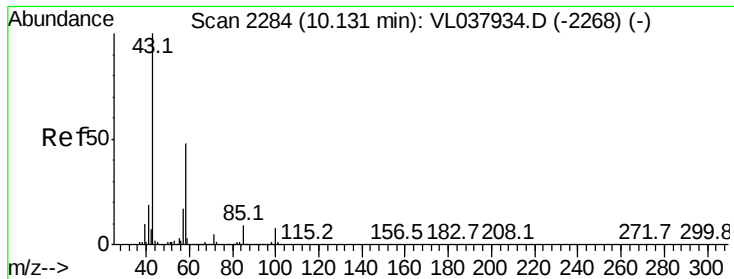


Abundance

Ion 43.10 (42.80 to 43.80): VL0

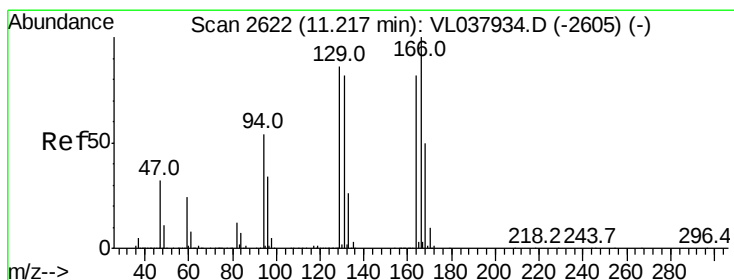
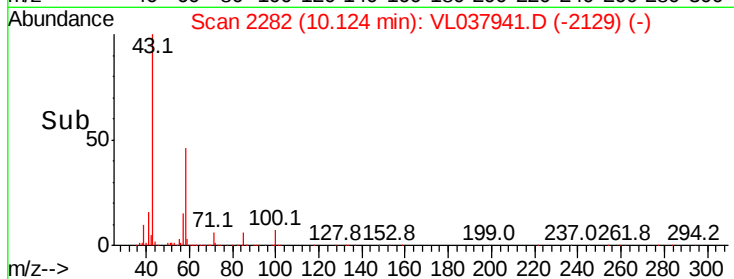
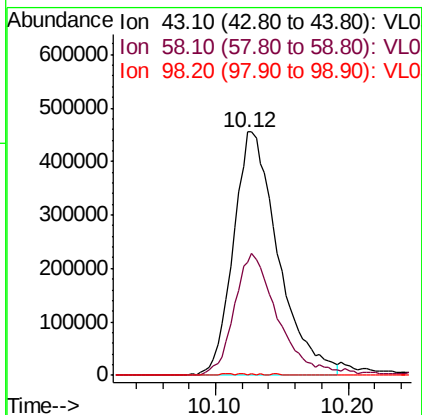
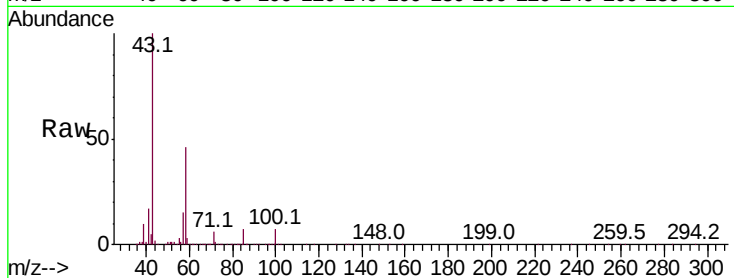
Ion 58.10 (57.80 to 58.80): VL0





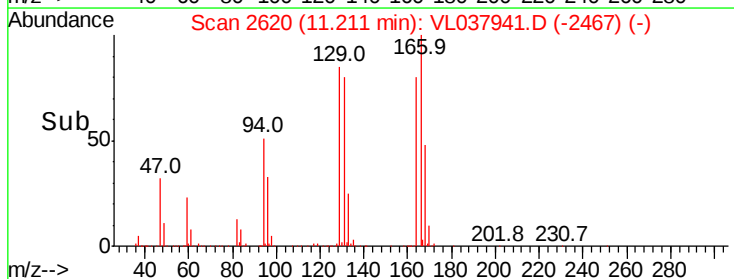
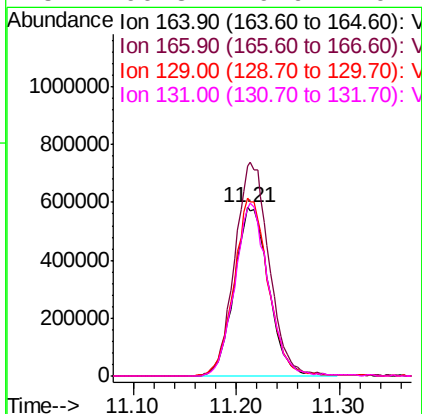
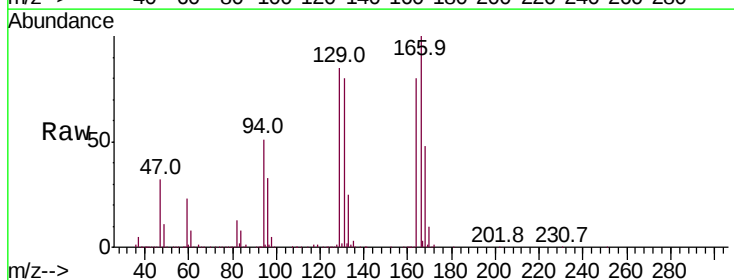
#51
2-Hexanone
Concen: 10.730 ppbv
RT: 10.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Nov 2021 15:35

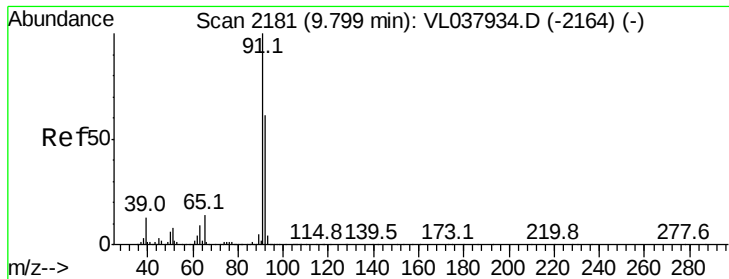
Tot Ion: 43 Resp: 1069015
Ion Ratio Lower Upper
43 100
58 49.9 38.6 57.8
98 0.5 1.0 1.4#



#52
Tetrachloroethene
Concen: 8.991 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion: 164 Resp: 1348594
Ion Ratio Lower Upper
164 100
166 124.4 97.6 146.4
129 105.8 84.2 126.2
131 99.3 79.6 119.4





#53

Toluene

Concen: 10.094 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

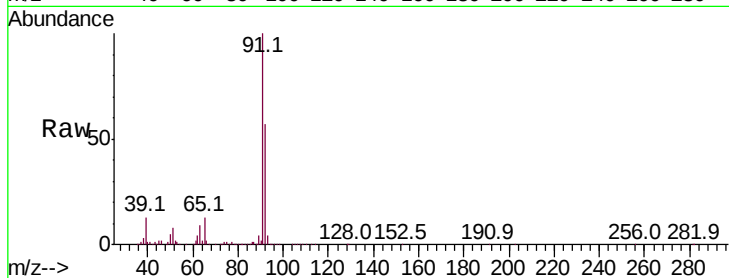
Acq: 1 Nov 2021 15:35

Tot Ion: 91 Resp: 4278566

Ion Ratio Lower Upper

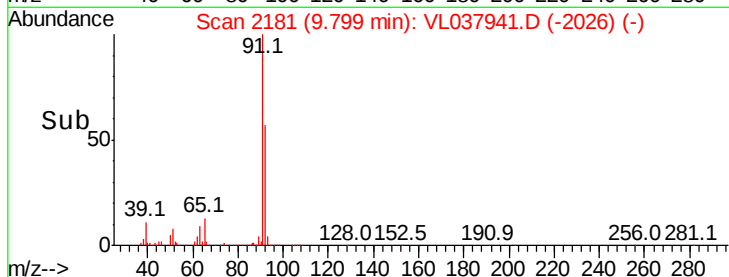
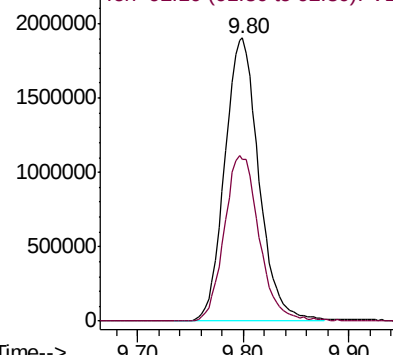
91 100

92 60.4 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.714 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL037941.D

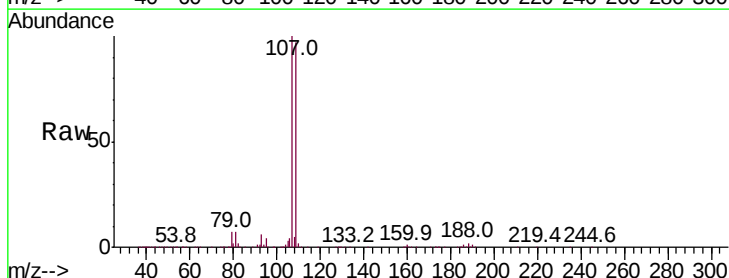
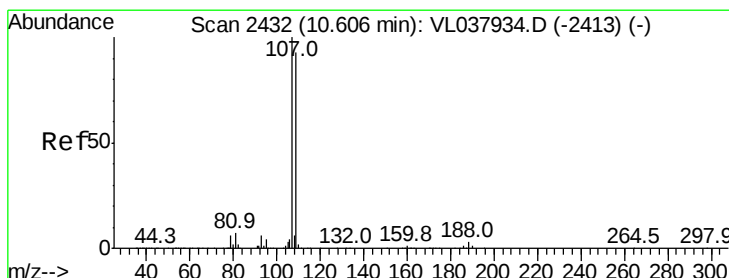
Acq: 1 Nov 2021 15:35

Tgt Ion: 107 Resp: 2094159

Ion Ratio Lower Upper

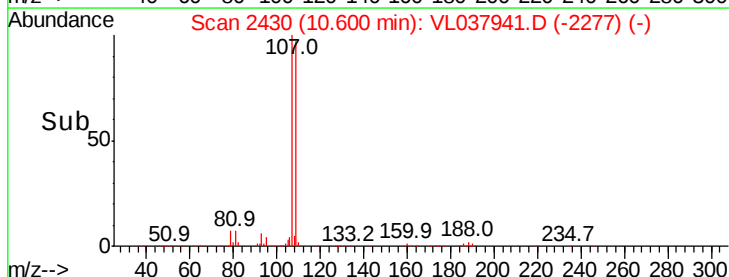
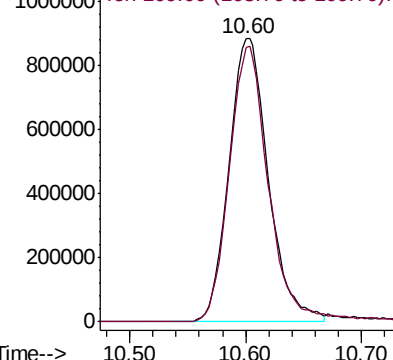
107 100

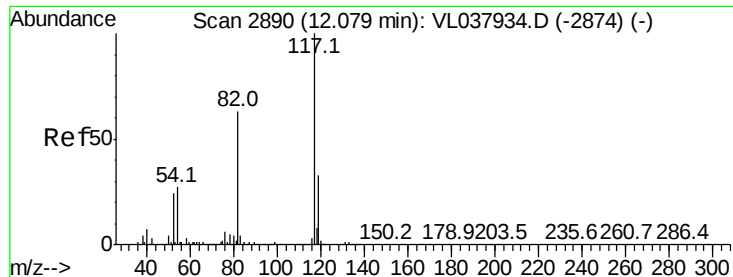
109 96.8 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

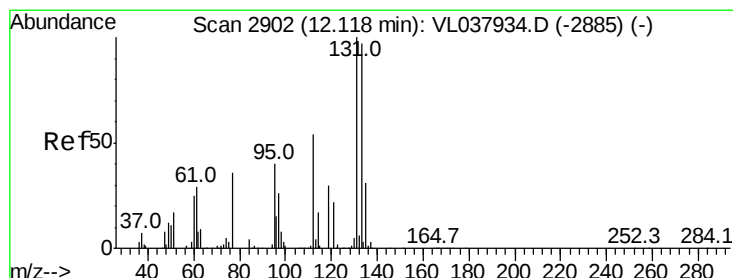
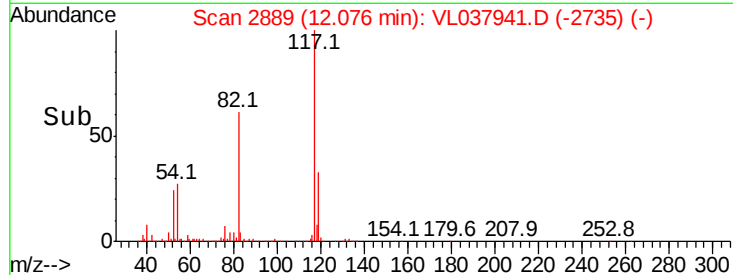
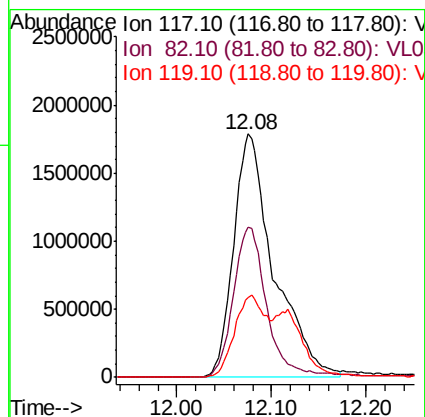
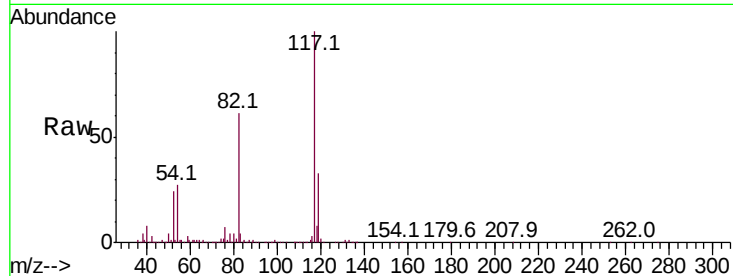
Ion 109.00 (108.70 to 109.70): V





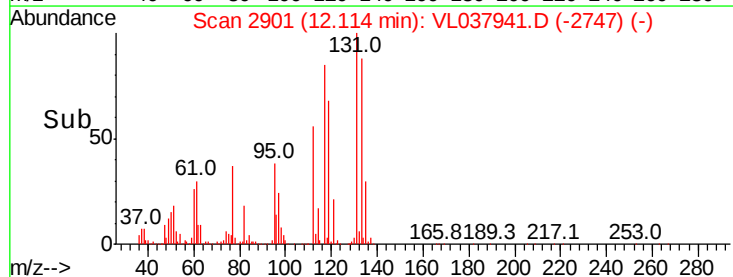
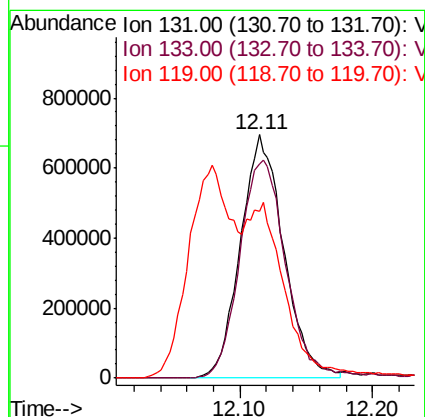
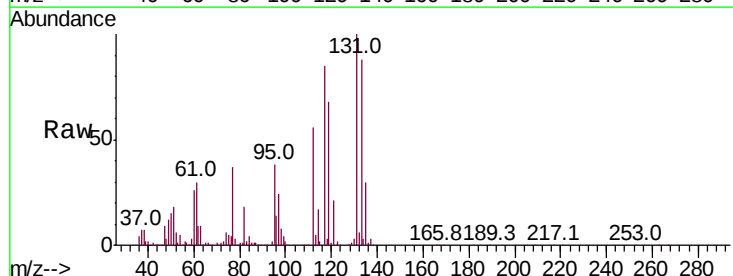
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
ICVVL110121
Acq: 1 Nov 2021 15:35

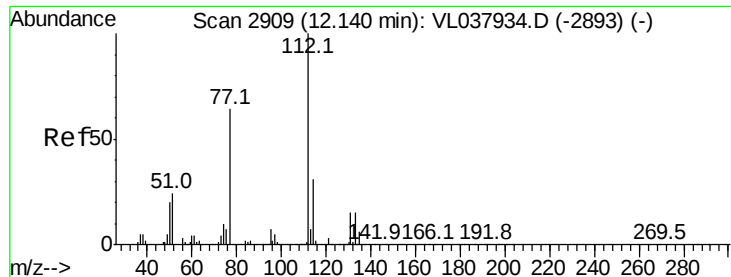
Tot Ion:117 Resp: 5299509
Ion Ratio Lower Upper
117 100
82 52.8 51.0 76.6
119 47.3 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.331 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion:131 Resp: 1568506
Ion Ratio Lower Upper
131 100
133 97.8 79.6 119.4
119 69.2 125.4 188.2#





#57

Chlorobenzene

Concen: 7.206 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

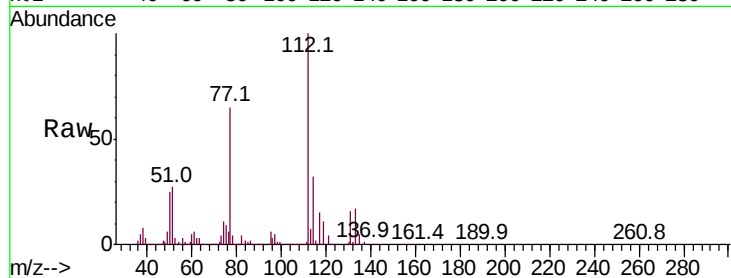
Tot Ion:112 Resp: 3048182

Ion Ratio Lower Upper

112 100

77 63.5 51.1 76.7

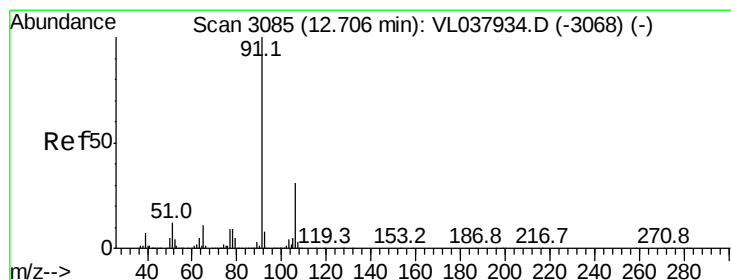
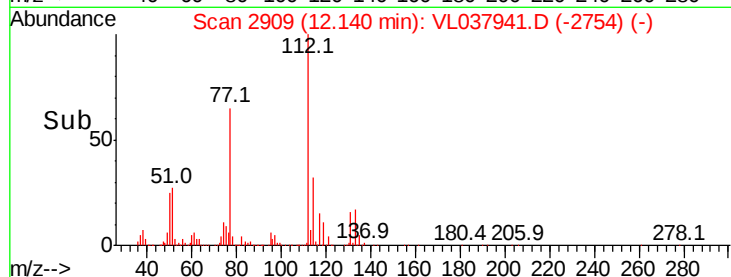
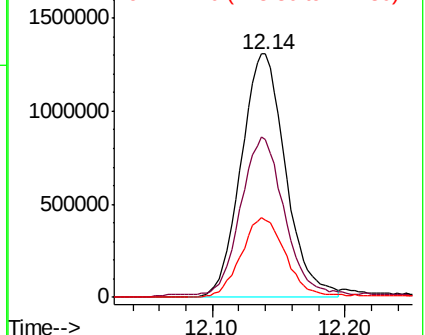
114 31.8 27.9 34.1



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: 8.289 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VL037941.D

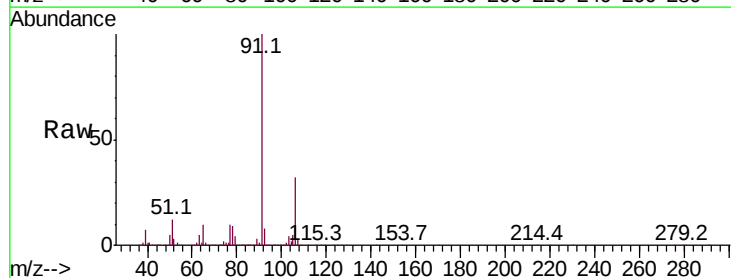
Acq: 1 Nov 2021 15:35

Tgt Ion: 91 Resp: 5372240

Ion Ratio Lower Upper

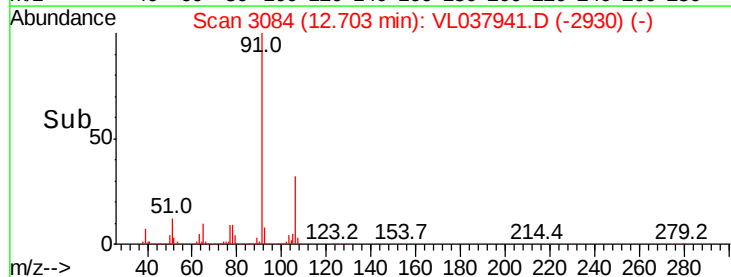
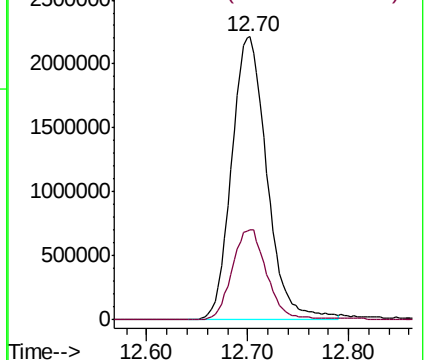
91 100

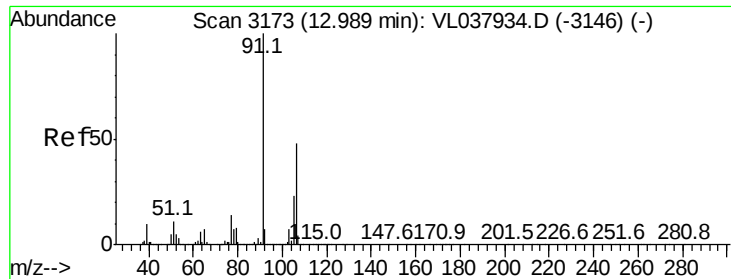
106 32.0 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

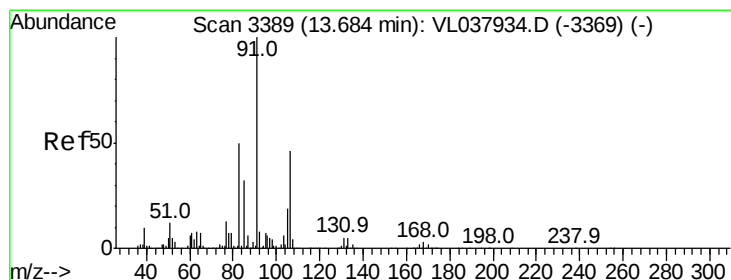
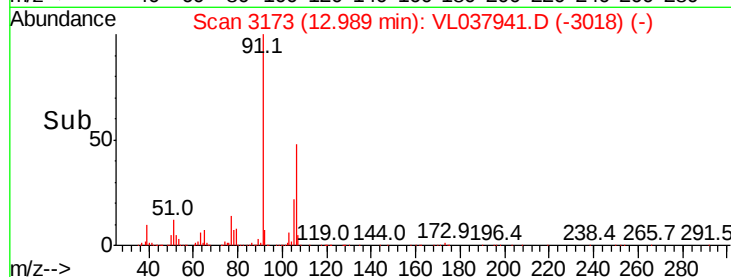
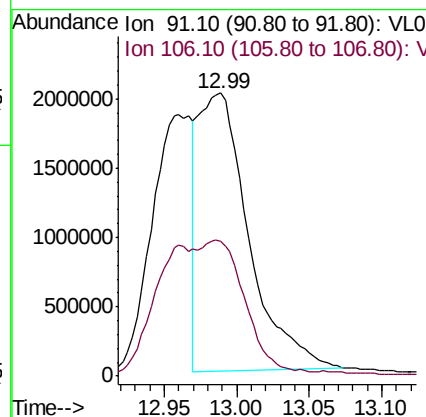
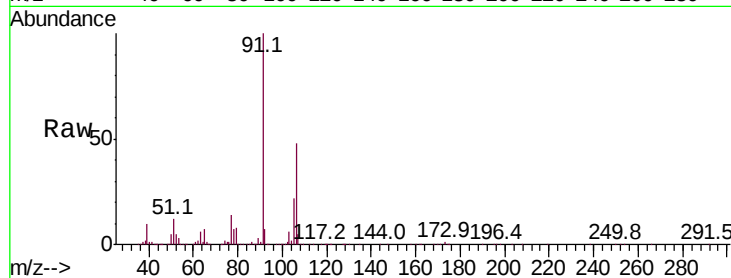
Ion 106.10 (105.80 to 106.80): V





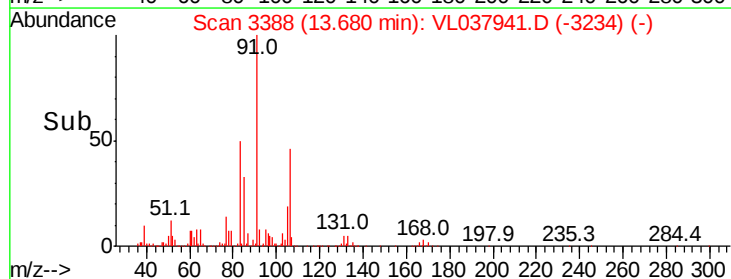
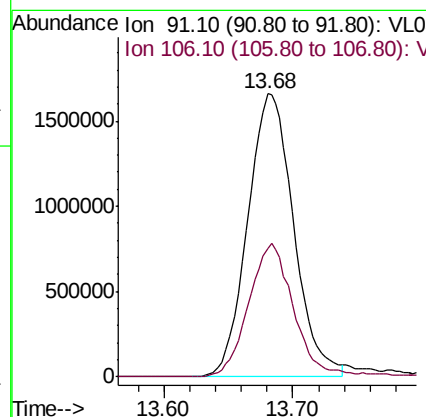
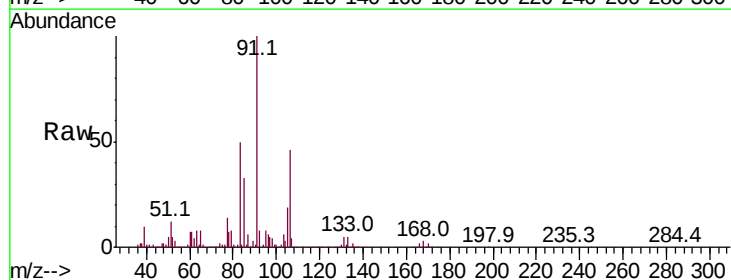
#59
m/p-Xylene
Concen: 8.361 ppbv
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 1 Nov 2021 15:35

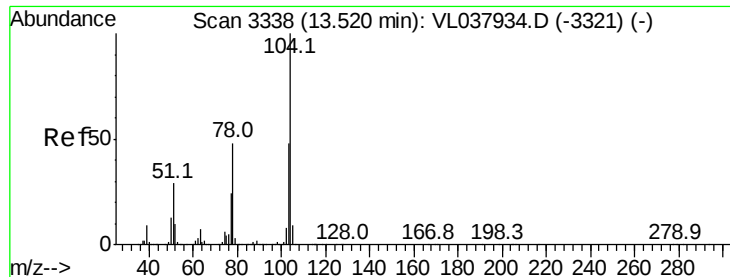
Tot Ion: 91 Resp: 4815942
Ion Ratio Lower Upper
91 100
106 86.3 37.1 55.7#



#60
o-Xylene
Concen: 7.564 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion: 91 Resp: 4108092
Ion Ratio Lower Upper
91 100
106 47.5 23.5 70.6





#61

Stvrene

Concen: 9.316 ppbv

RT: 13.52

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

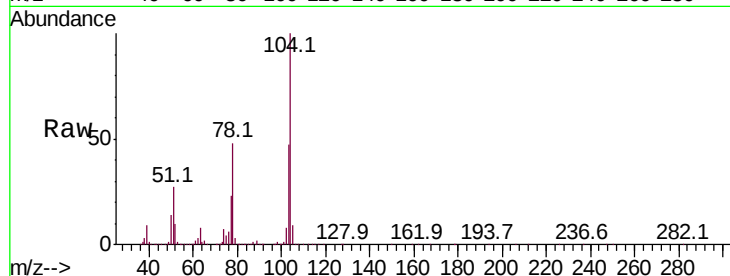
Tot Ion:104 Resp: 2323727

Ion Ratio Lower Upper

104 100

78 50.9 39.3 58.9

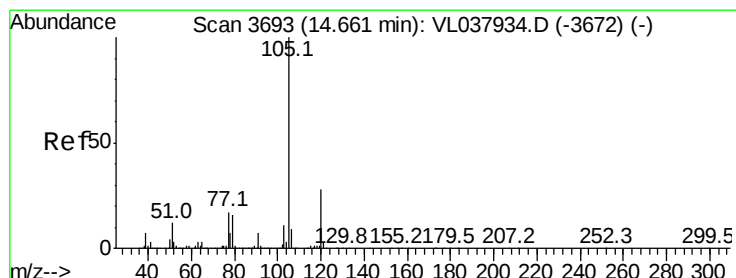
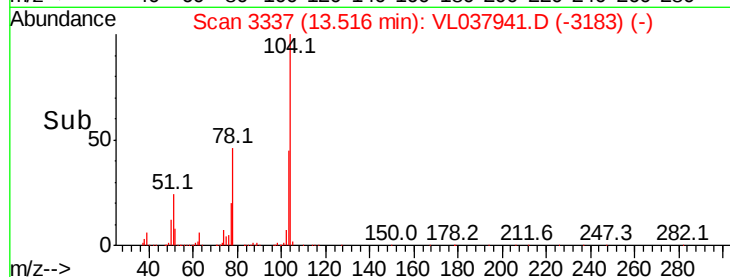
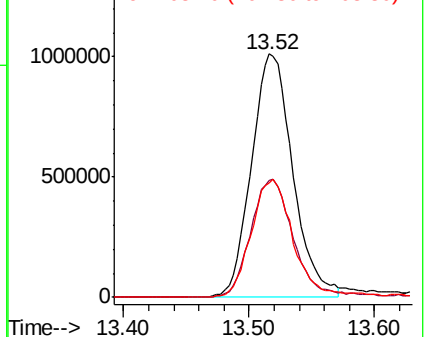
103 49.6 39.6 59.4



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: 7.495 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL037941.D

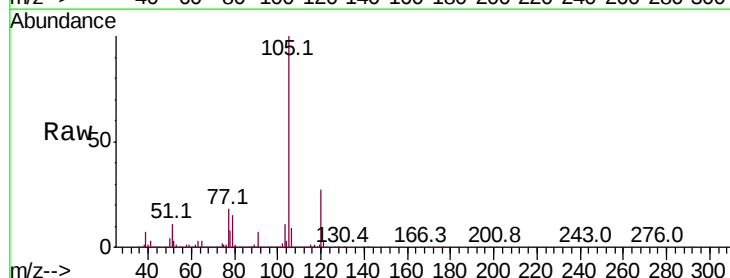
Acq: 1 Nov 2021 15:35

Tgt Ion:105 Resp: 5763601

Ion Ratio Lower Upper

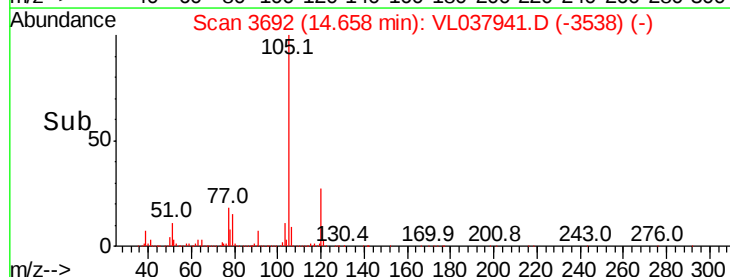
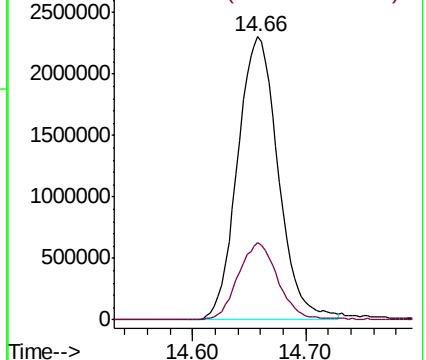
105 100

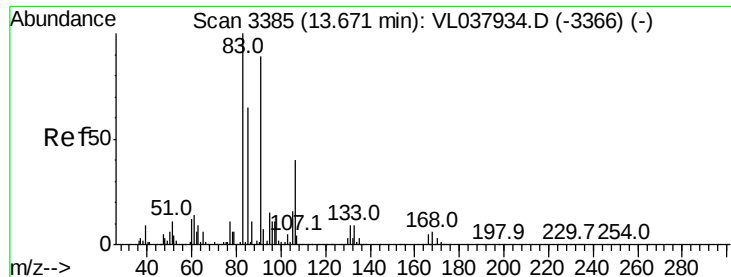
120 27.2 21.8 32.6



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: 6.434 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

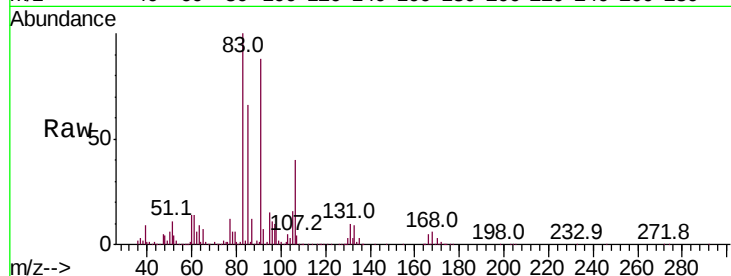
Tot Ion: 83 Resp: 3007520

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

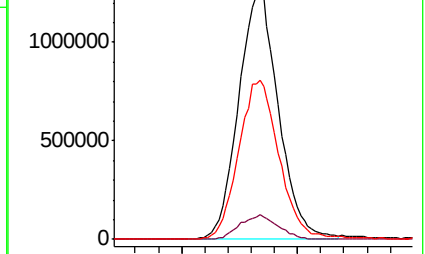
85 65.2 32.5 97.5



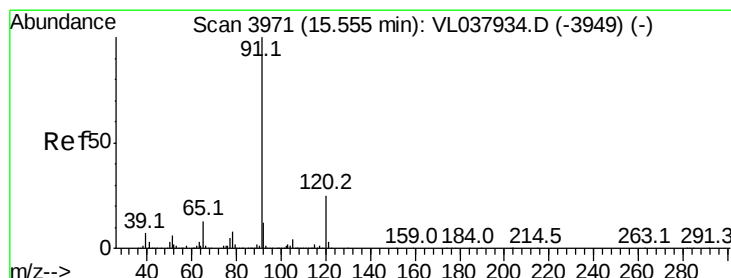
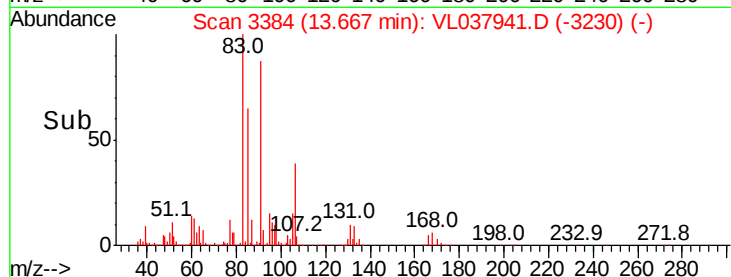
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 7.802 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.01 min

Lab File: VL037941.D

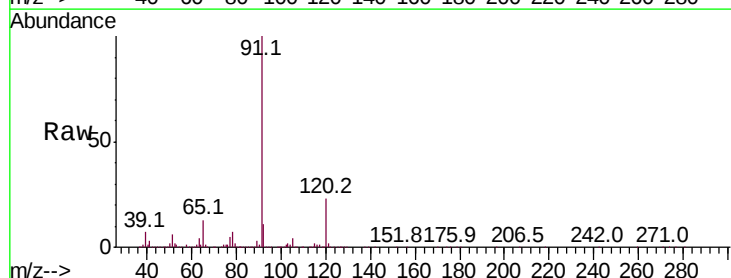
Acq: 1 Nov 2021 15:35

Tgt Ion:120 Resp: 1537326

Ion Ratio Lower Upper

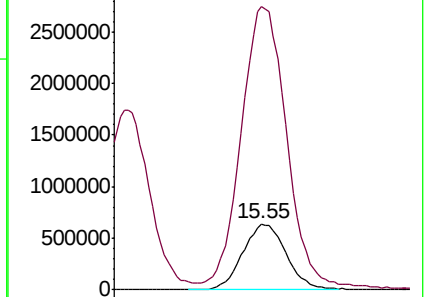
120 100

91 457.0 363.3 544.9

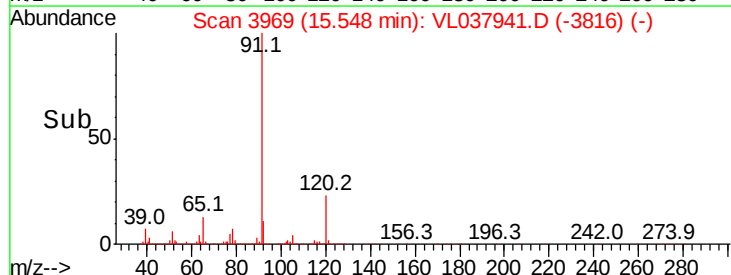


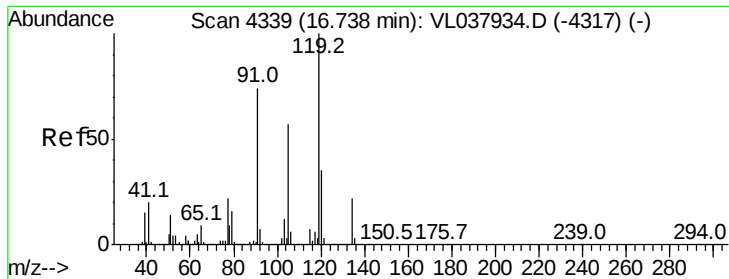
Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0



Time-->

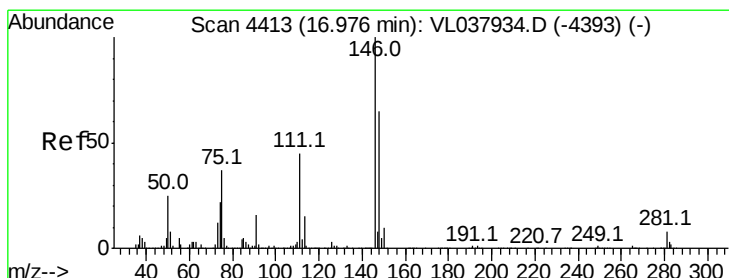
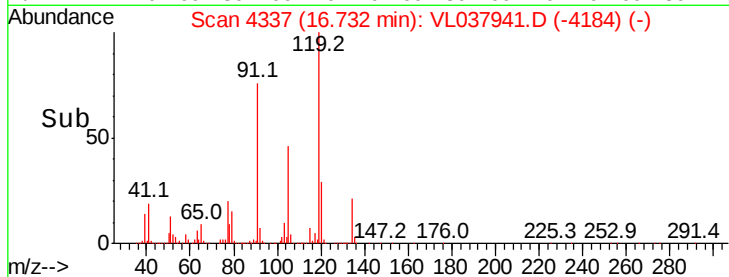
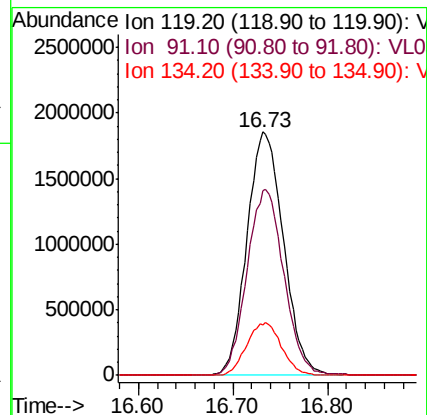
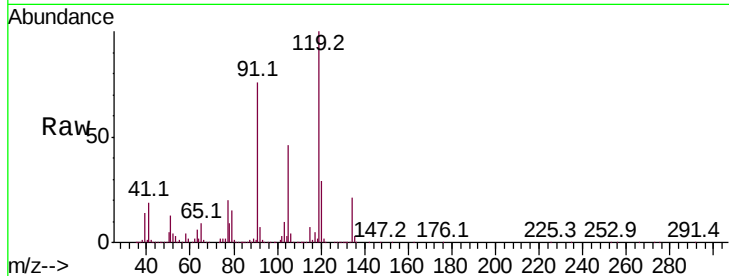




#65
 tert-Butylbenzene
 Concen: 7.323 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

Tot Ion: 119 Resp: 4976783

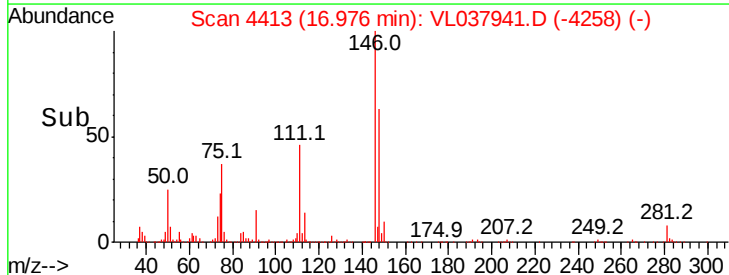
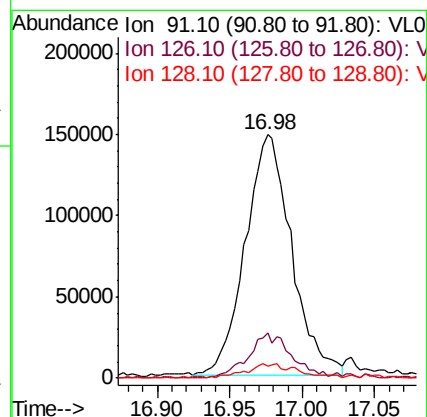
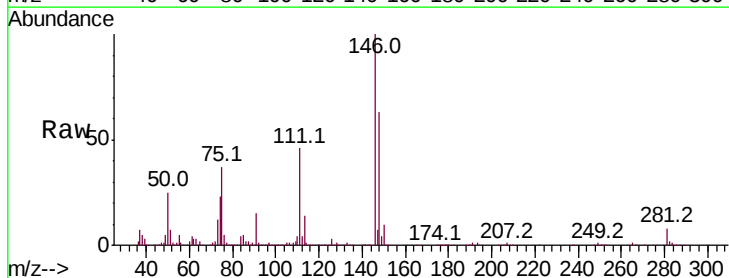
Ion	Ratio	Lower	Upper
119	100		
91	77.1	61.8	92.6
134	20.8	16.6	25.0

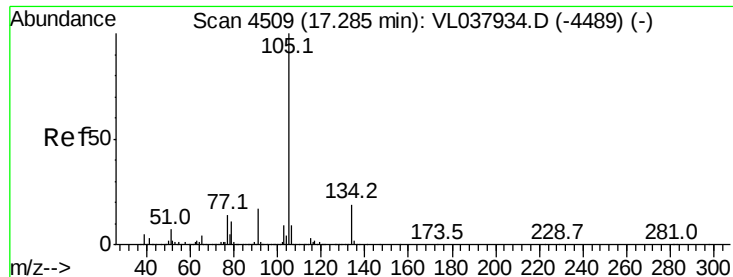


#66
 Benzyl Chloride
 Concen: 9.223 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. -0.00 min
 Lab File: VL037941.D
 Acq: 1 Nov 2021 15:35

Tgt Ion: 91 Resp: 327533

Ion	Ratio	Lower	Upper
91	100		
126	18.8	13.8	20.6
128	7.3	5.1	7.7





#67

sec-Butylbenzene

Concen: 7.358 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

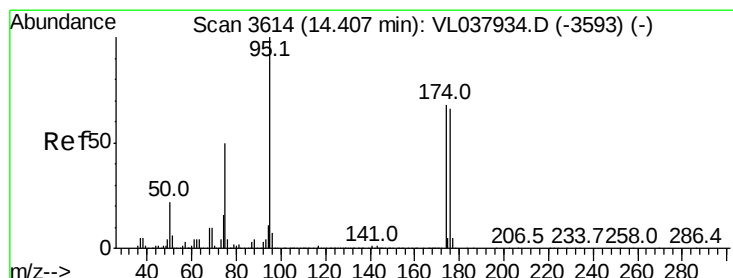
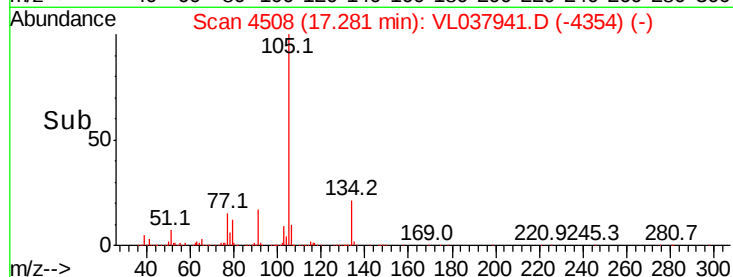
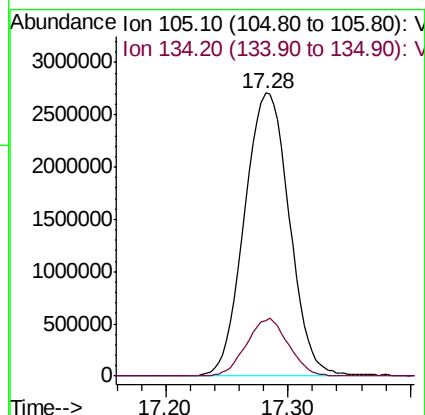
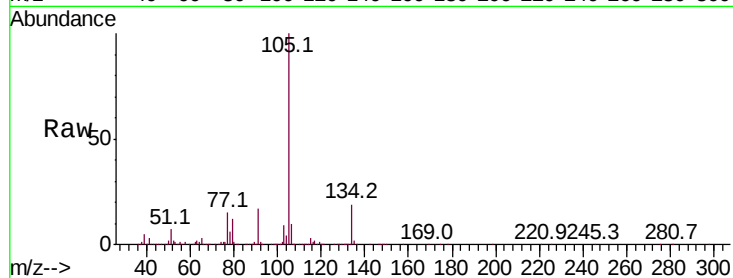
Acq: 1 Nov 2021 15:35

Tot Ion:105 Resp: 6889217

Ion Ratio Lower Upper

105 100

134 19.2 15.4 23.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.279 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

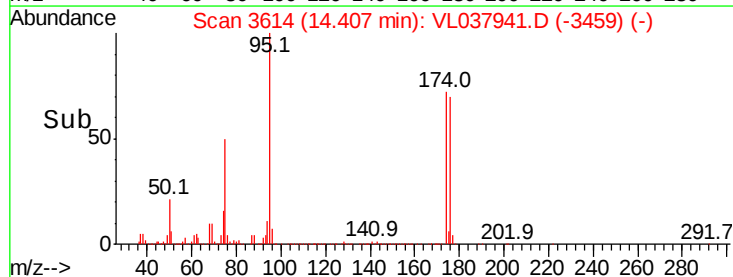
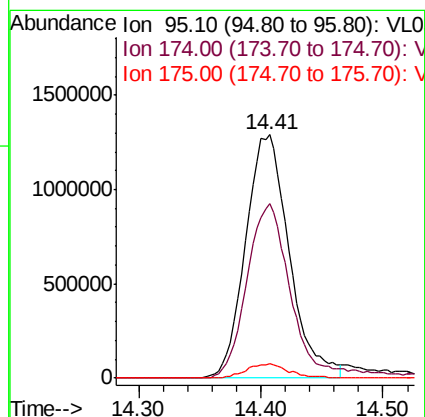
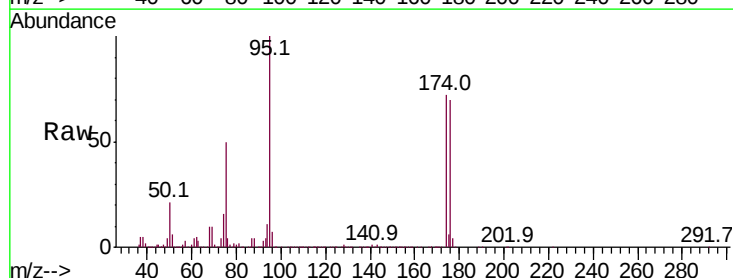
Tgt Ion: 95 Resp: 3189251

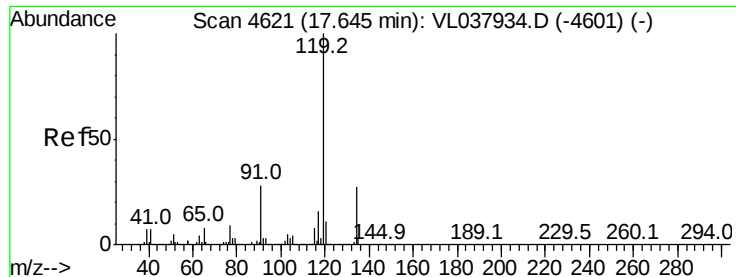
Ion Ratio Lower Upper

95 100

174 75.1 58.3 87.5

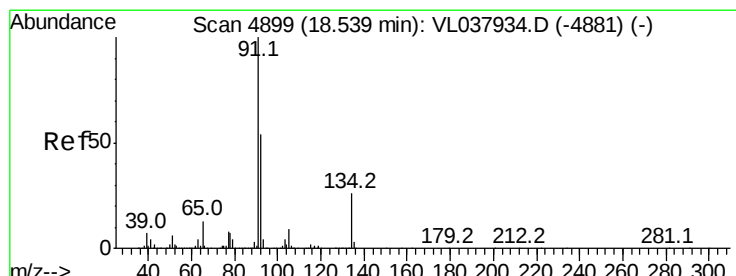
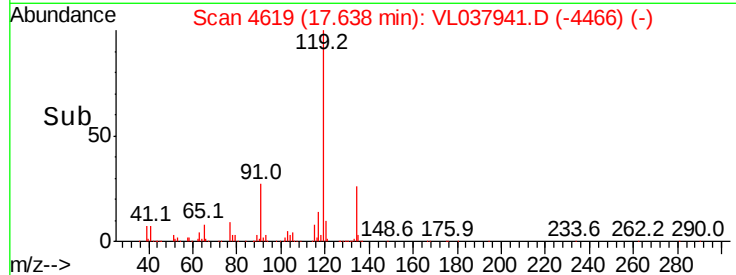
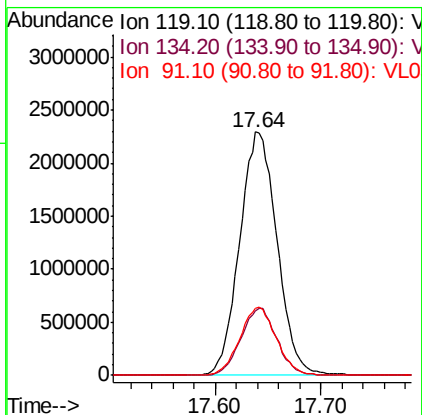
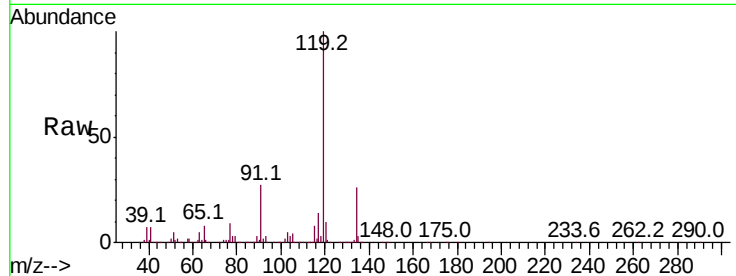
175 6.0 4.6 6.8





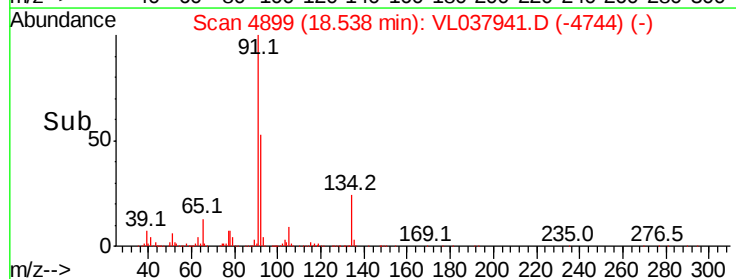
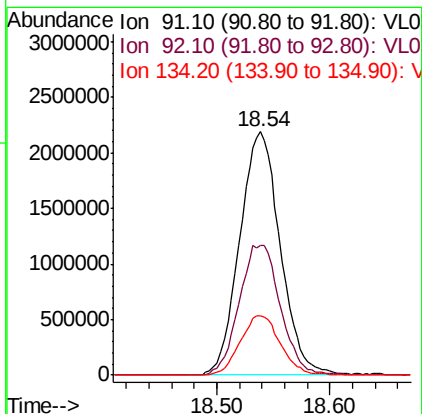
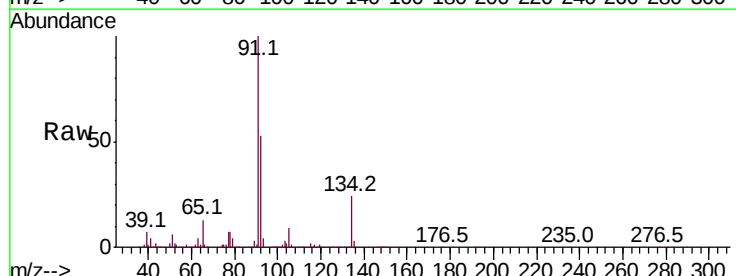
#69
 p-Isopropyltoluene
 Concen: 7.524 ppbv
 RT: 17.64 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

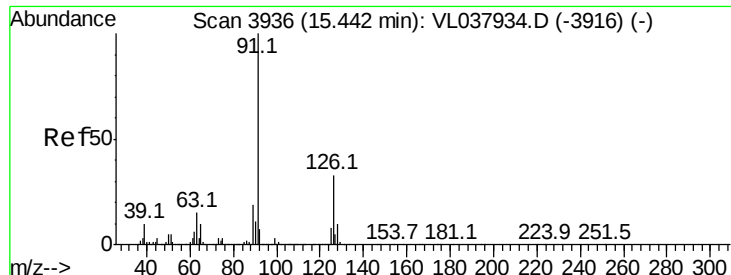
Tot Ion:	119	Resp:	5651029
Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.0	31.4
91	27.5	21.8	32.8



#70
 n-Butylbenzene
 Concen: 7.878 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.00 min
 Lab File: VL037941.D
 Acq: 1 Nov 2021 15:35

Tgt Ion:	91	Resp:	5437212
Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.6	65.4
134	24.6	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.871 ppbv

RT: 15.44 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

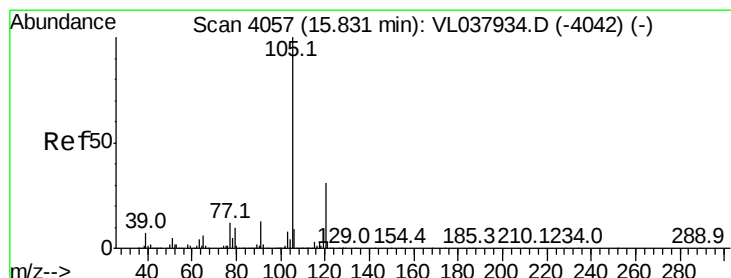
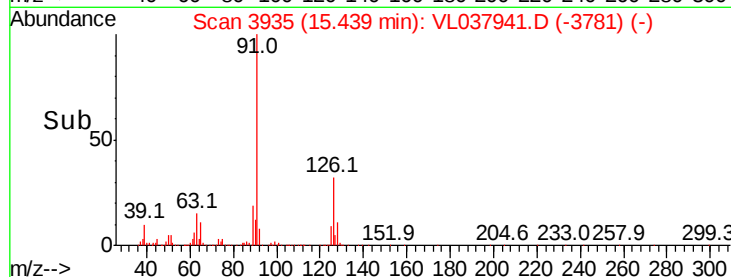
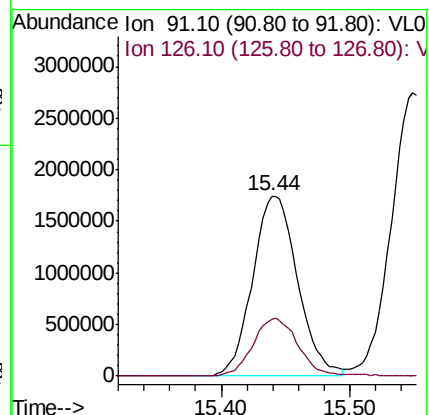
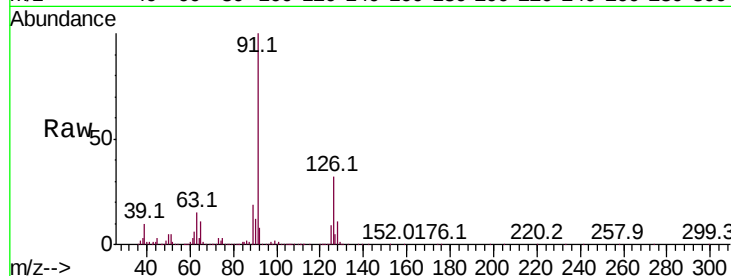
Acq: 1 Nov 2021 15:35

Tot Ion: 91 Resp: 4240792

Ion Ratio Lower Upper

91 100

126 33.3 13.3 53.3



#72

4-Ethyltoluene

Concen: 7.998 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion:105 Resp: 4975994

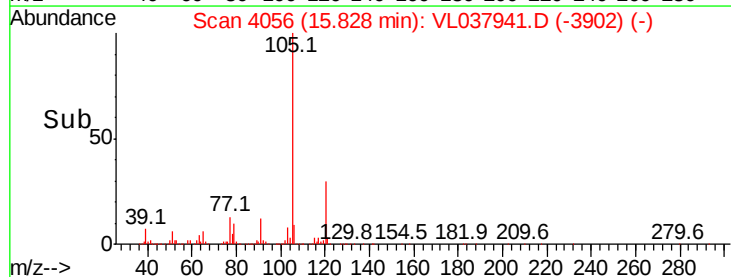
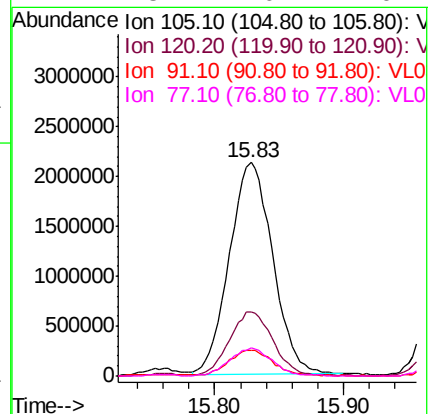
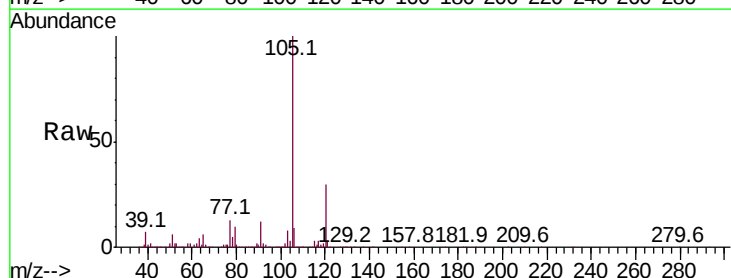
Ion Ratio Lower Upper

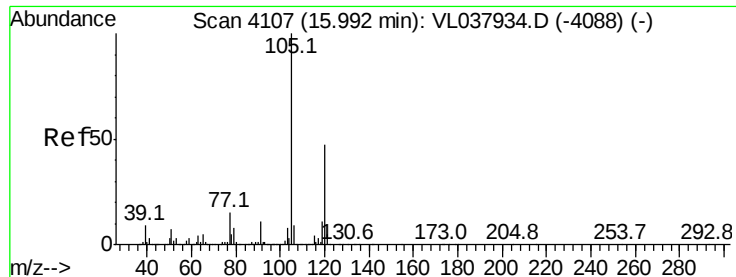
105 100

120 30.6 25.3 37.9

91 12.1 9.9 14.9

77 13.1 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.632 ppbv

RT: 15.99

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

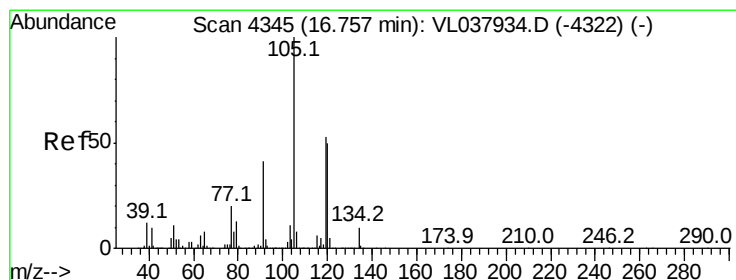
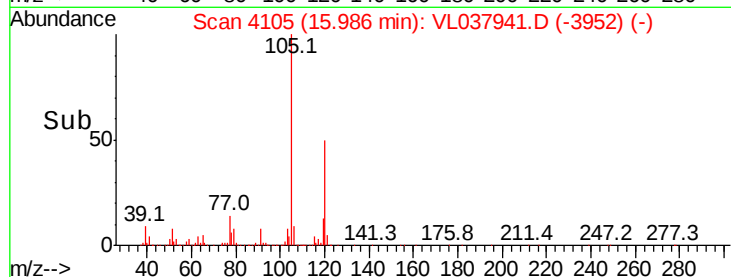
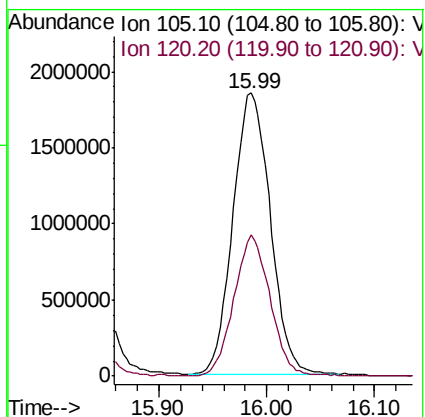
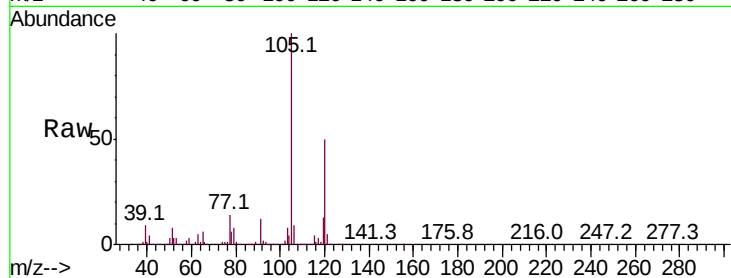
Acq: 1 Nov 2021 15:35

Tot Ion:105 Resp: 4447096

Ion Ratio Lower Upper

105 100

120 50.1 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.405 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

Tgt Ion:105 Resp: 4519985

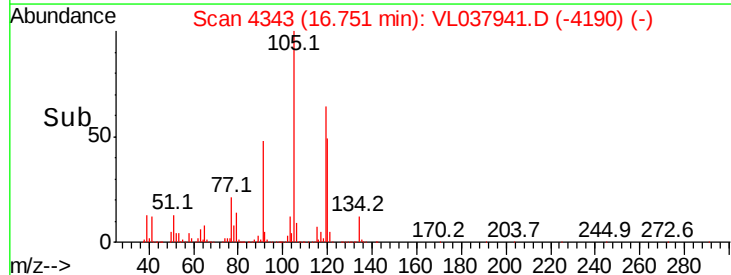
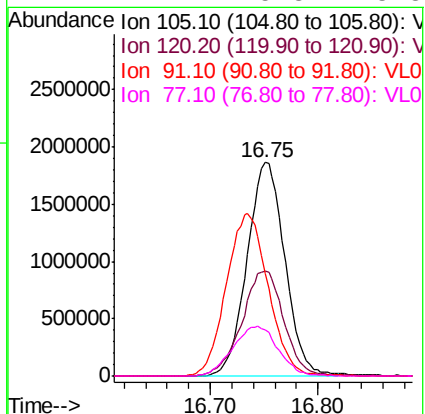
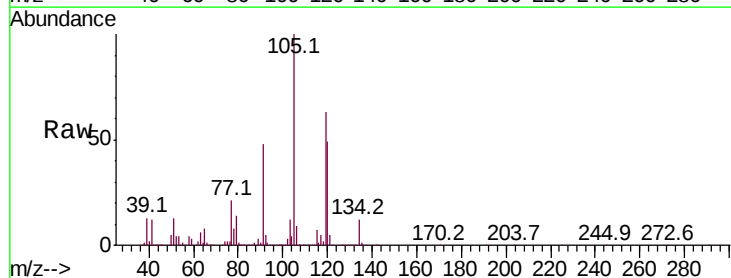
Ion Ratio Lower Upper

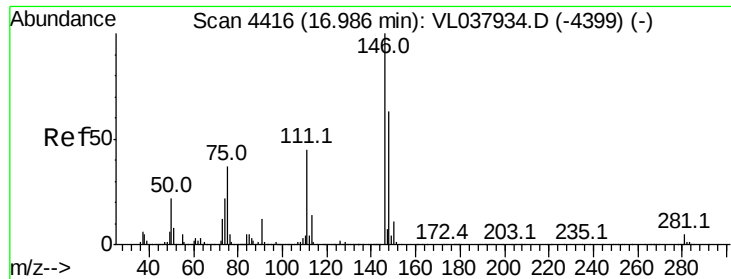
105 100

120 48.9 40.0 60.0

91 47.7 32.6 49.0

77 21.4 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 7.238 ppbv

RT: 16.99

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 15:35

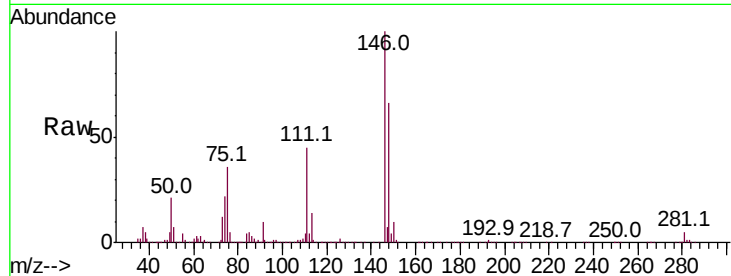
Tot Ion:146 Resp: 2750785

Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

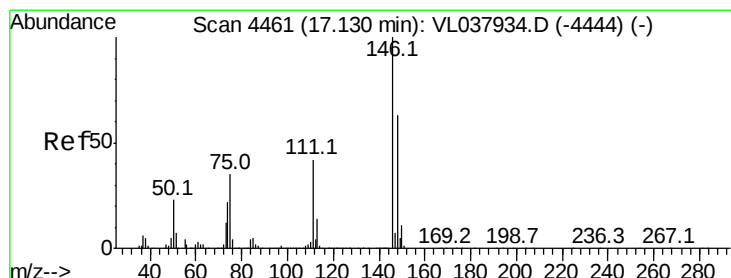
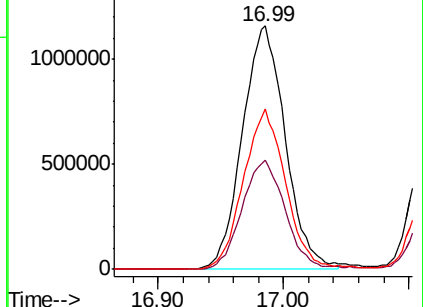
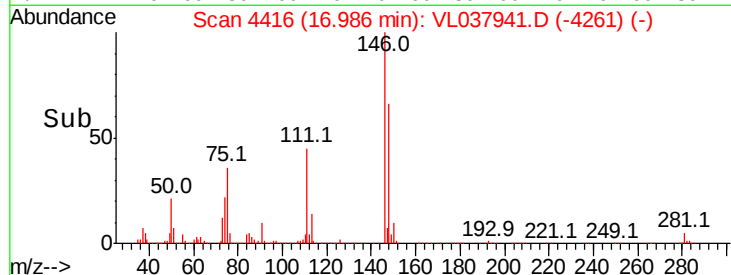
148 65.0 32.4 97.0



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: 7.354 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. -0.00 min

Lab File: VL037941.D

Acq: 1 Nov 2021 15:35

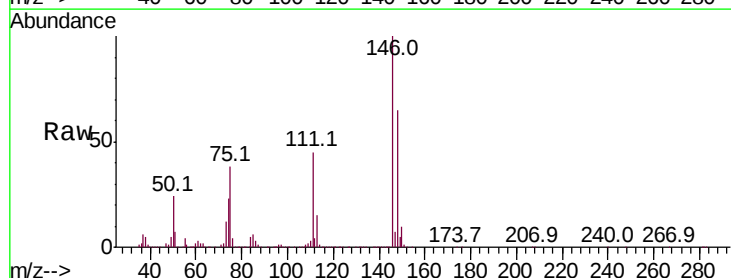
Tgt Ion:146 Resp: 2704470

Ion Ratio Lower Upper

146 100

111 44.0 22.7 68.1

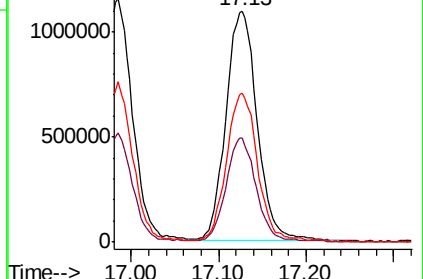
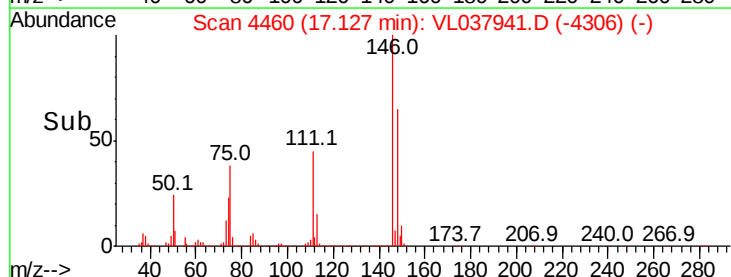
148 65.2 33.5 100.4

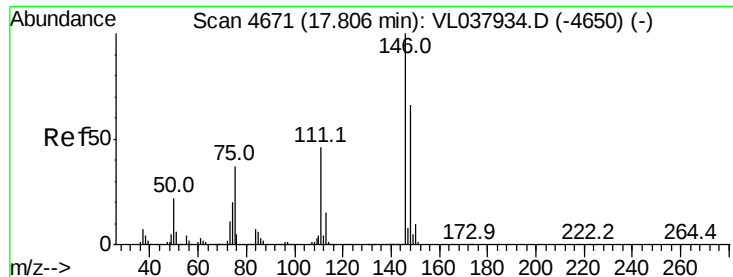


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

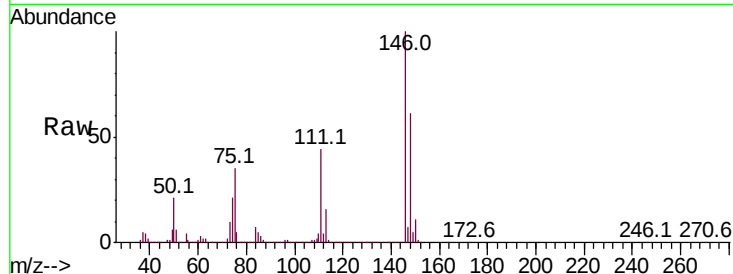




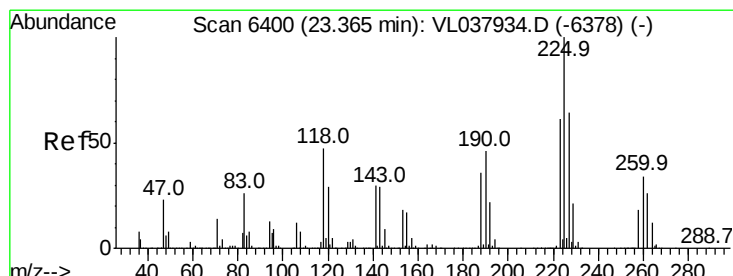
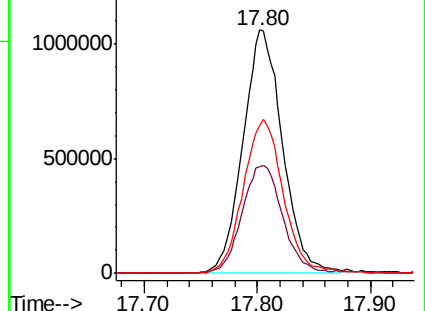
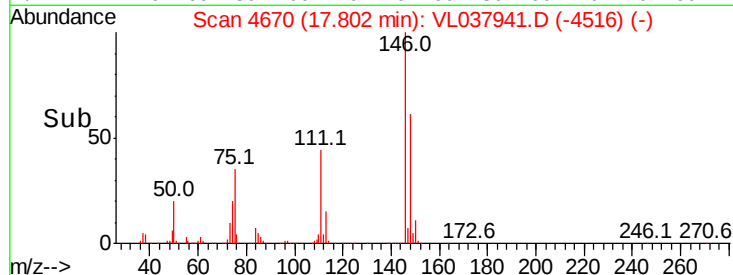
#77
 1,2-Dichlorobenzene
 Concen: 7.197 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

Tot Ion:146 Resp: 2568414

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.4	70.2
148	64.4	32.6	97.7



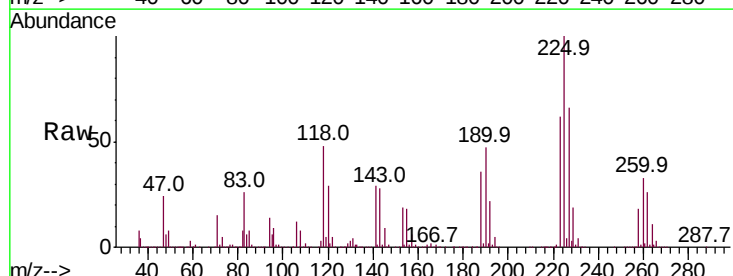
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



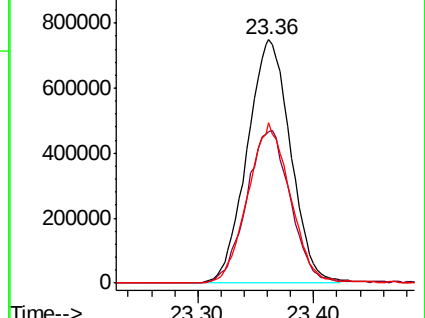
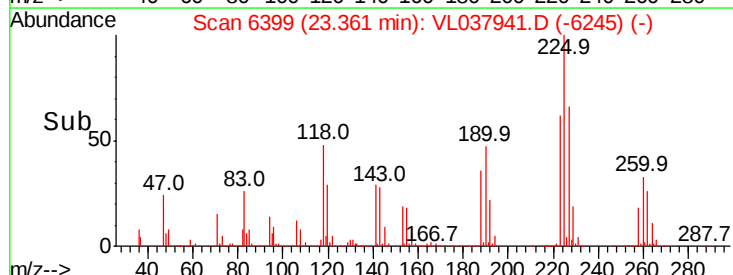
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.358 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.00 min
 Lab File: VL037941.D
 Acq: 1 Nov 2021 15:35

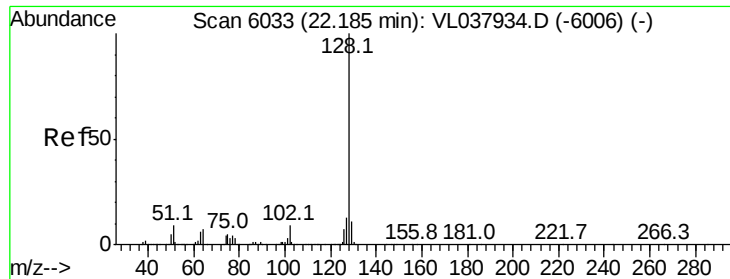
Tgt Ion:225 Resp: 1941987

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	65.0	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

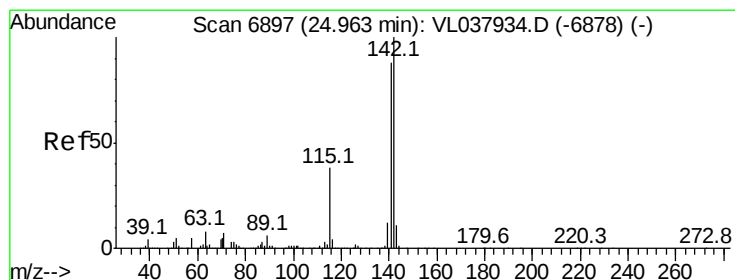
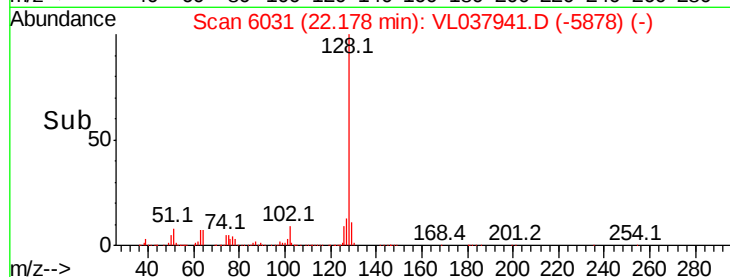
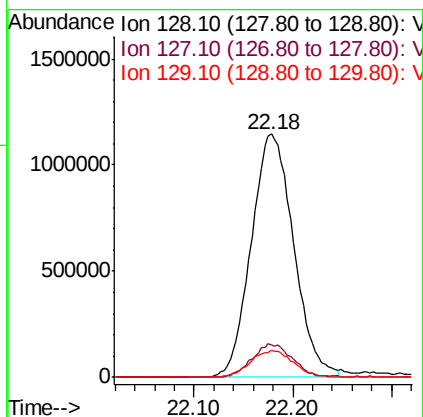
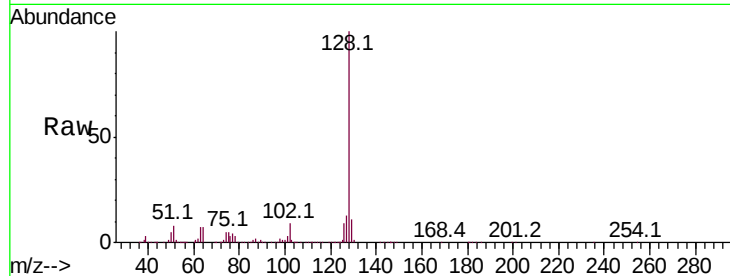




#79
Naphthalene
Concen: 9.673 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Nov 2021 15:35

Tot Ion:128 Resp: 3401713

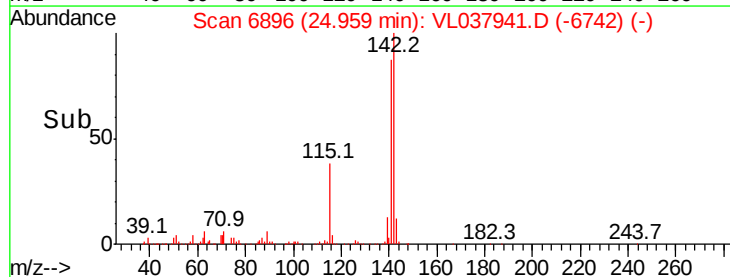
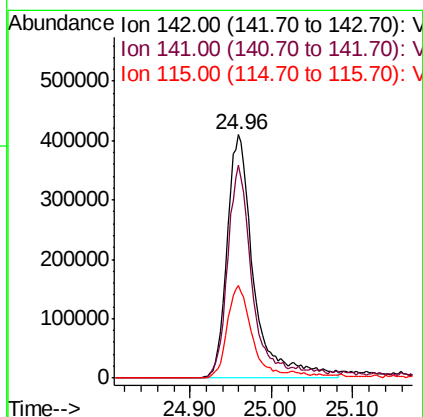
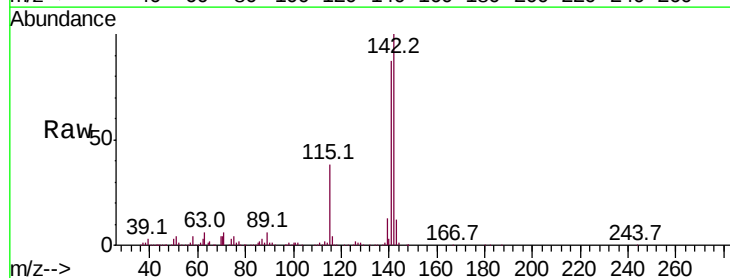
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.2	9.0	13.4

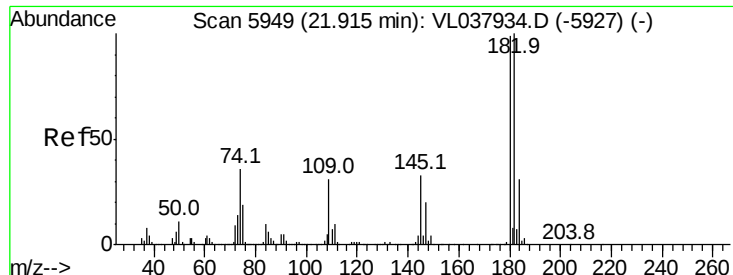


#80
Naphthalene, 2-methyl-
Concen: 13.836 ppbv
RT: 24.96 min Scan# 6896
Delta R.T.: -0.00 min
Lab File: VL037941.D
Acq: 1 Nov 2021 15:35

Tgt Ion:142 Resp: 947214

Ion	Ratio	Lower	Upper
142	100		
141	86.8	66.4	99.6
115	38.5	29.0	43.4





#81
 1,2,4-Trichlorobenzene
 Concen: 4.582 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Nov 2021 15:35

Tot Ion:180 Resp: 1048782
 Ion Ratio Lower Upper
 180 100
 182 182.6 79.3 118.9#
 184 57.6 25.3 37.9#

