

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037755.D
 Acq On : 1 Oct 2021 23:46
 Operator : SY/AP
 Sample : VL1001ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Quant Time: Oct 02 01:36:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1446927	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4261183	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3861038	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2708513	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1759058	6.718	ppbv	97
3) Chlorodifluoromethane	2.98	51	2528354	9.264	ppbv	100
4) Chloromethane	3.13	50	959029	9.511	ppbv	95
5) Vinyl Chloride	3.25	62	945717	9.985	ppbv	99
6) Bromomethane	3.47	94	525758	9.551	ppbv	95
7) Chloroethane	3.55	64	331982	9.379	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2142185	9.484	ppbv	99
9) Propene	3.00	41	897131	9.319	ppbv	97
10) Heptane	8.11	43	2305871	10.265	ppbv	100
11) Trichlorofluoromethane	3.94	101	1965777	9.352	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1445251	9.315	ppbv	100
13) Ethanol	3.60	45	45444	4.826	ppbv #	31
14) Bromoethene	3.73	108	665479	9.422	ppbv	98
15) Acetone	3.84	43	1177538	7.833	ppbv	99
16) 1,3-Butadiene	3.32	39	918743	9.780	ppbv	100
17) tert-Butyl alcohol	4.28	59	1278907	10.032	ppbv	99
18) 1,1-Dichloroethene	4.28	96	678564	9.388	ppbv	99
19) Isopropyl Alcohol	3.96	45	770375	9.418	ppbv #	97
20) Methylene Chloride	4.34	84	555061	7.734	ppbv	96
21) Allyl Chloride	4.40	41	1102316	9.815	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	689823	9.486	ppbv	97
23) Vinyl Acetate	5.06	43	2062289	9.913	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1384899	9.293	ppbv	99
25) Ethyl Acetate	5.66	43	3545957	9.739	ppbv	100
26) Hexane	5.67	57	1653255	9.559	ppbv	97
27) Carbon Disulfide	4.54	76	1575385	9.957	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1404049	9.216	ppbv	99
29) Chloroform	5.74	83	2383595	9.438	ppbv	97
30) Cyclohexane	7.11	84	1402085	9.478	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1583261	10.083	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2267854	9.645	ppbv	99
34) 2-Butanone	5.23	43	1578079	9.113	ppbv	99
35) Carbon Tetrachloride	7.01	117	2353113	9.762	ppbv	99
36) Benzene	6.88	78	3478602	9.790	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1674935	9.584	ppbv	99
38) Trichloroethene	7.82	130	1352222	9.110	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1314784	9.661	ppbv	96
40) 1,4-Dioxane	7.82	88	310235	9.371	ppbv #	1
41) Tetrahydrofuran	6.03	42	815923	10.023	ppbv	99
42) Bromodichloromethane	7.78	83	2491043	9.945	ppbv	99
43) Methyl Methacrylate	8.00	69	1217188	10.297	ppbv	96

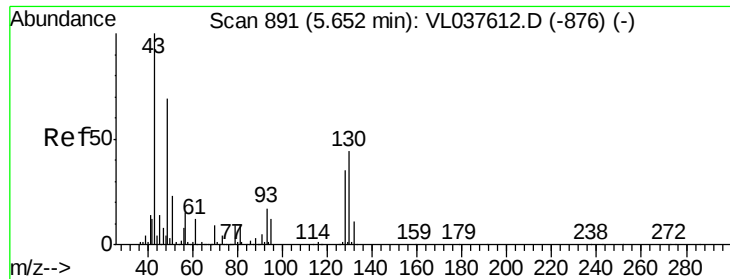
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5774105	9.666	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1071447	11.539	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1443949	11.513	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1376424	9.143	ppbv	98
48) Dibromochloromethane	10.28	129	2111860	10.055	ppbv	99
49) Bromoform	13.02	173	1639885	9.756	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2228755	10.140	ppbv	99
51) 2-Hexanone	10.12	43	1046375	10.790	ppbv #	100
52) Tetrachloroethene	11.20	164	1246712	9.139	ppbv	98
53) Toluene	9.79	91	3988970	10.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1960263	9.509	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1465202	9.149	ppbv #	50
57) Chlorobenzene	12.13	112	2842218	8.855	ppbv	98
58) Ethyl Benzene	12.69	91	4986756	9.730	ppbv	99
59) m/p-Xylene	12.98	91	4507597	10.092	ppbv #	39
60) o-Xylene	13.67	91	3848674	9.053	ppbv	98
61) Styrene	13.51	104	2161422	10.311	ppbv	98
62) Isopropylbenzene	14.65	105	5322494	8.962	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2715914	8.163	ppbv	99
64) n-propylbenzene	15.54	120	1401420	9.145	ppbv	82
65) tert-Butylbenzene	16.72	119	4735938	8.845	ppbv	100
66) Benzyl Chloride	16.96	91	270998	9.261	ppbv	97
67) sec-Butylbenzene	17.27	105	6566711	9.039	ppbv	98
69) p-Isopropyltoluene	17.63	119	5493580	9.256	ppbv	100
70) n-Butylbenzene	18.53	91	5414106	9.641	ppbv	99
71) 2-Chlorotoluene	15.43	91	3860428	9.071	ppbv	98
72) 4-Ethyltoluene	15.82	105	4671066	9.572	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4173944	9.176	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4355203	9.090	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2594336	8.716	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2497641	8.507	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2493129	8.831	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2040519	8.587	ppbv	99
79) Naphthalene	22.17	128	3572835	12.145	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	918660	13.662	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	2075726	10.990	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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VL1001ABS01

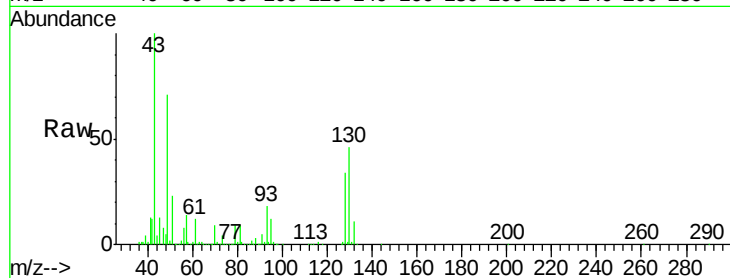
Tgt Ion: 49 Resp: 1446927

Ion Ratio Lower Upper

49 100

128 54.1 27.9 83.6

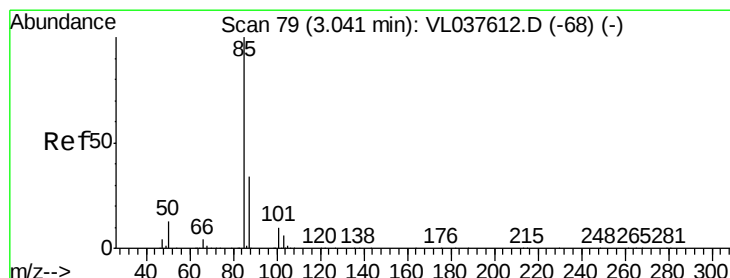
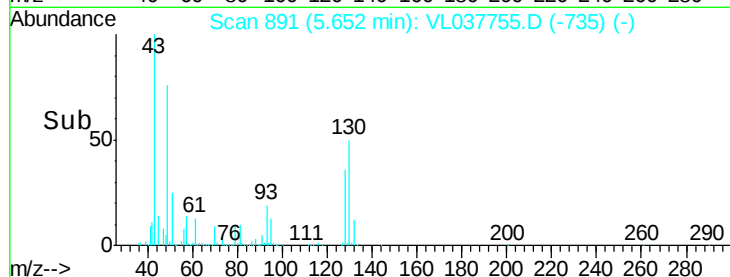
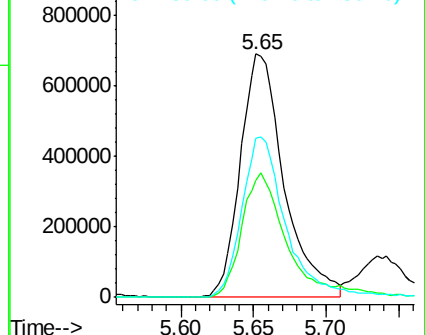
130 66.9 33.9 101.7



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: 6.718 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037755.D

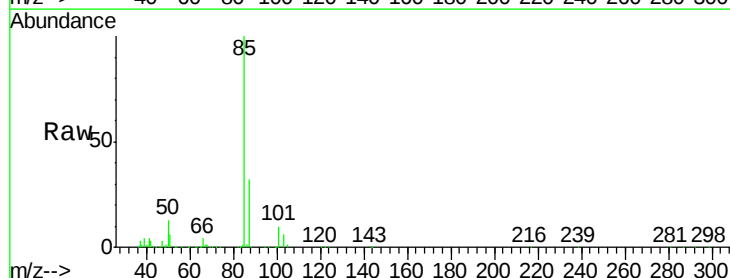
Acq: 1 Oct 2021 23:46

Tgt Ion: 85 Resp: 1759058

Ion Ratio Lower Upper

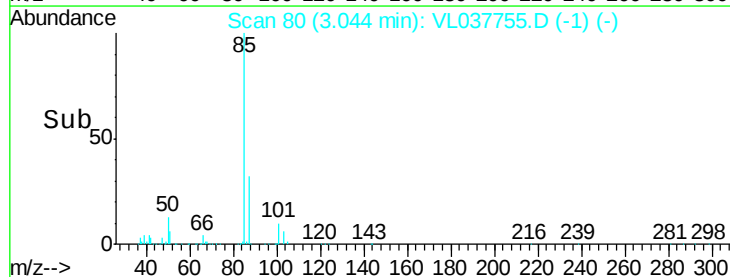
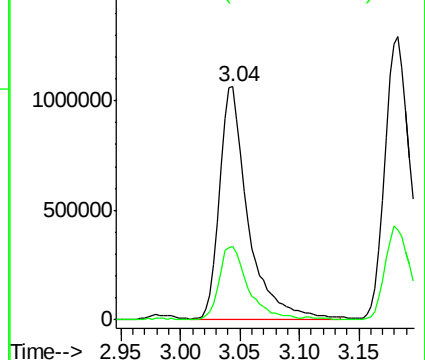
85 100

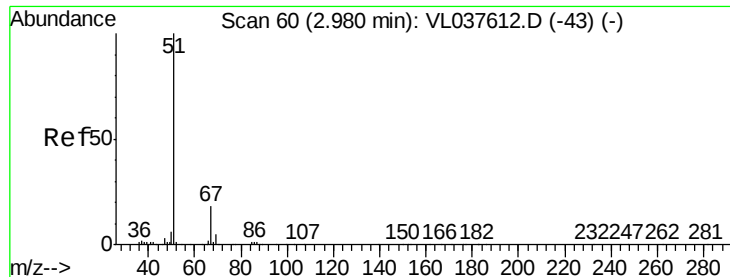
87 31.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.264 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

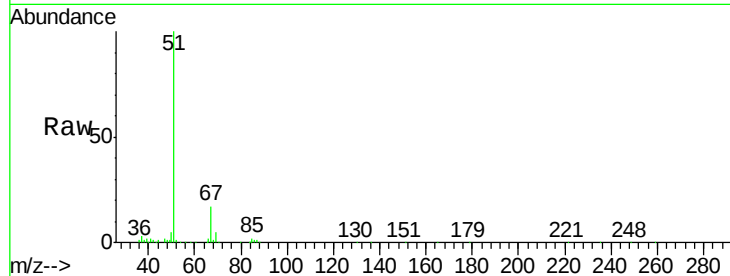
VL1001ABS01

Tgt Ion: 51 Resp: 2528354

Ion Ratio Lower Upper

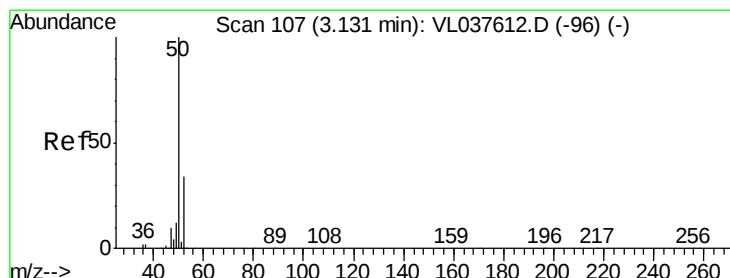
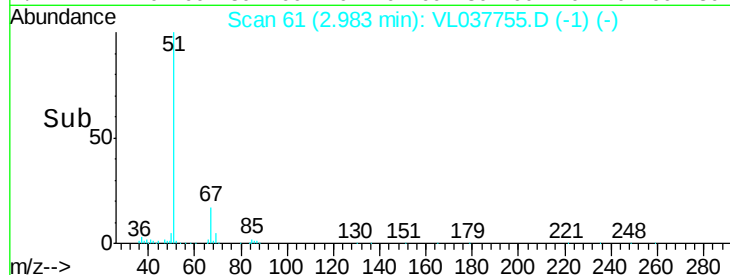
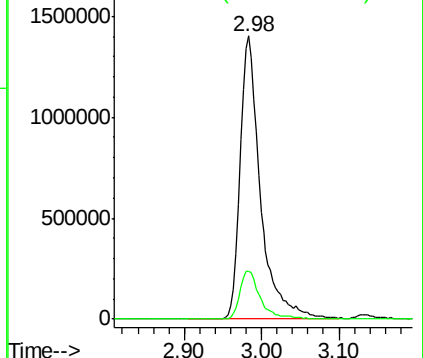
51 100

67 17.4 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.511 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037755.D

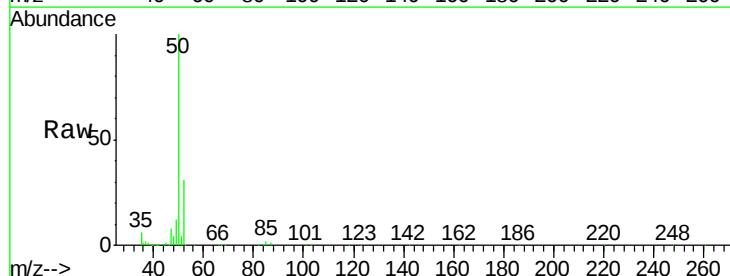
Acq: 1 Oct 2021 23:46

Tgt Ion: 50 Resp: 959029

Ion Ratio Lower Upper

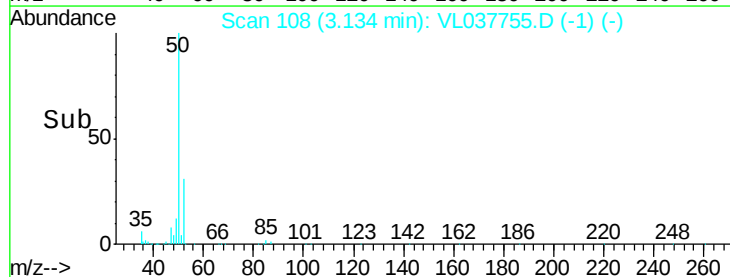
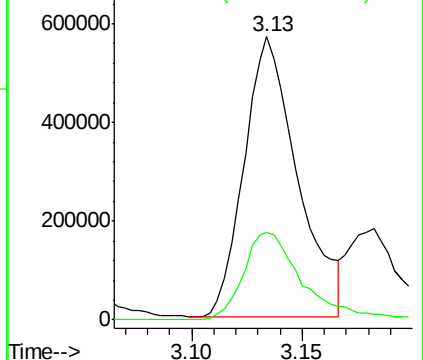
50 100

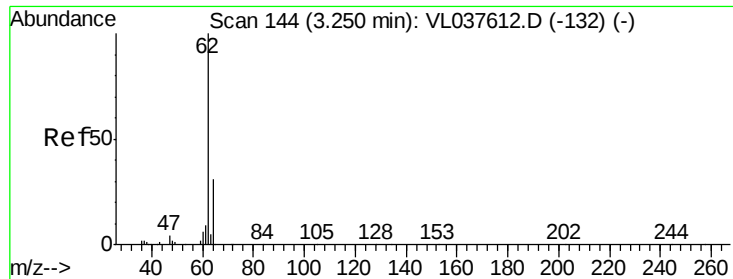
52 31.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.985 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

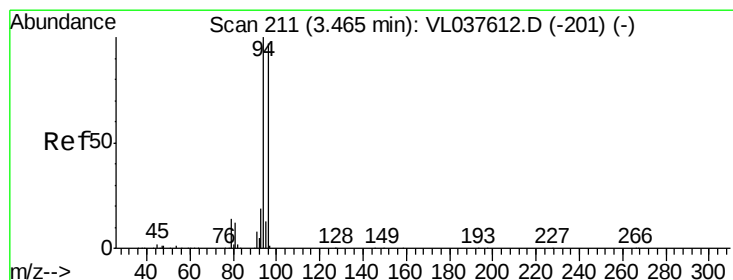
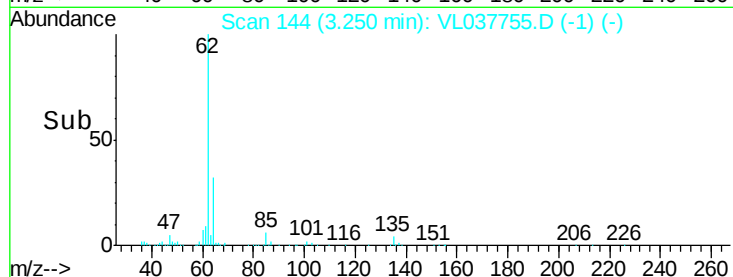
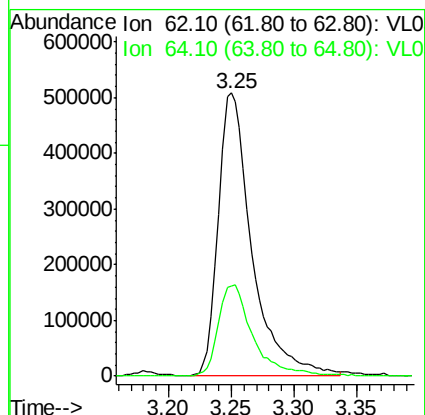
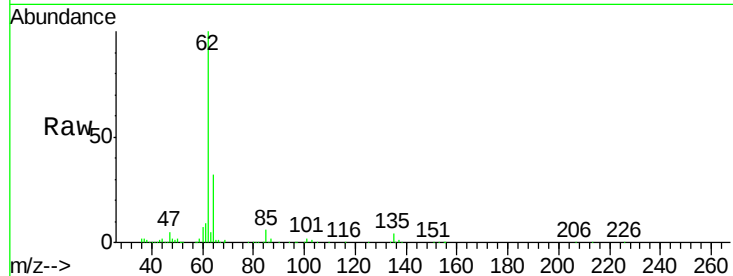
VL1001ABS01

Tgt Ion: 62 Resp: 945717

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3



#6

Bromomethane

Concen: 9.551 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037755.D

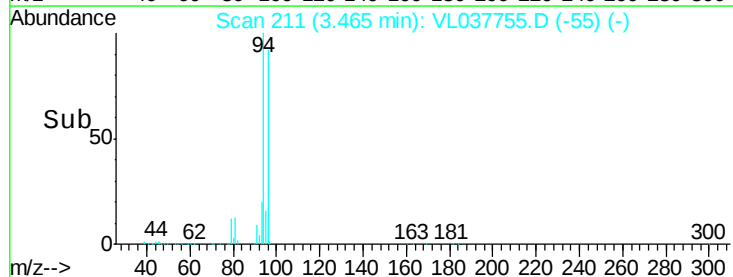
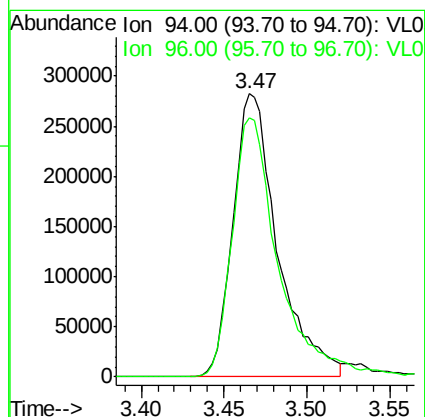
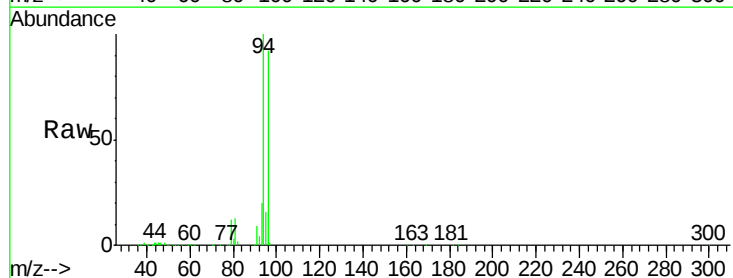
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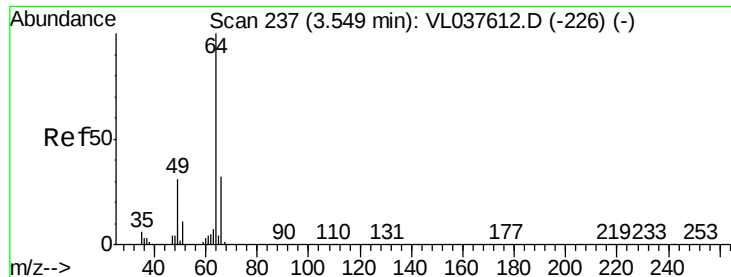
Tgt Ion: 94 Resp: 525758

Ion Ratio Lower Upper

94 100

96 91.8 77.3 115.9





#7

Chloroethane

Concen: 9.379 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

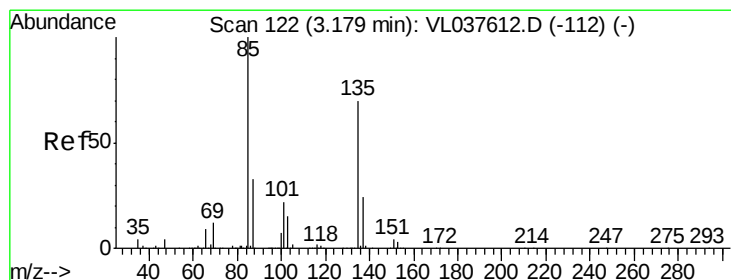
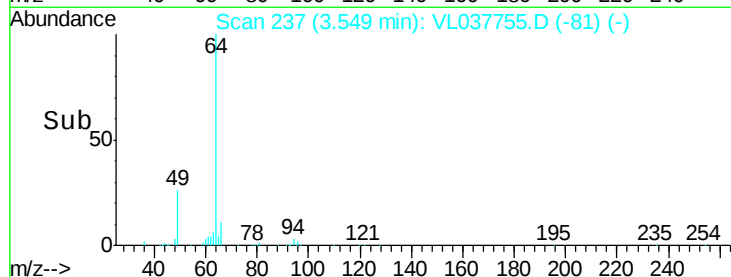
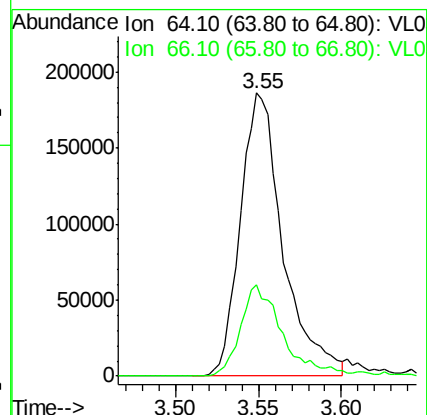
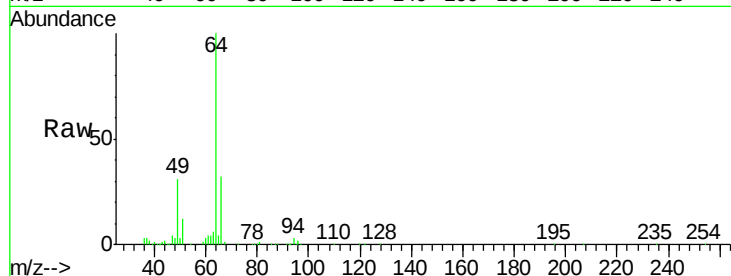
VL1001ABS01

Tgt Ion: 64 Resp: 331982

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.484 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037755.D

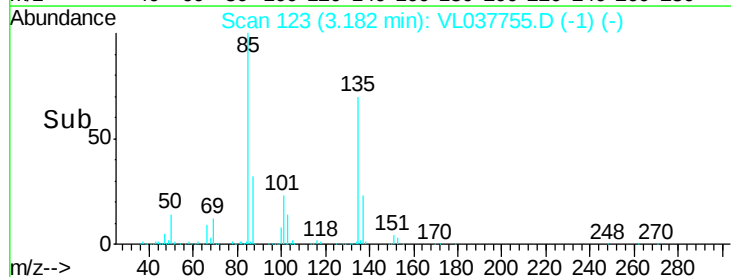
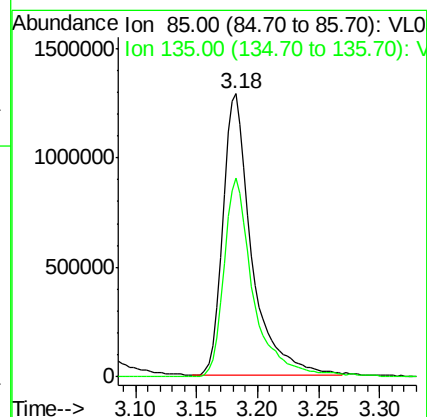
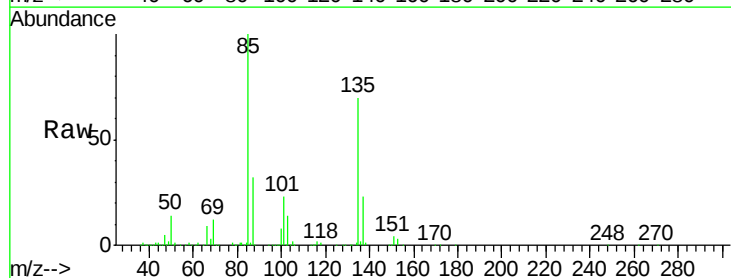
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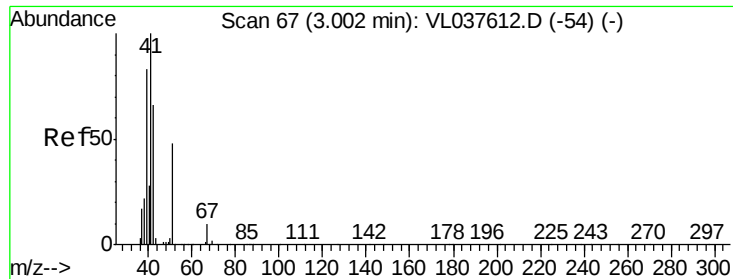
Tgt Ion: 85 Resp: 2142185

Ion Ratio Lower Upper

85 100

135 73.0 59.3 88.9





#9

Propene

Concen: 9.319 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

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ClientSampleId :

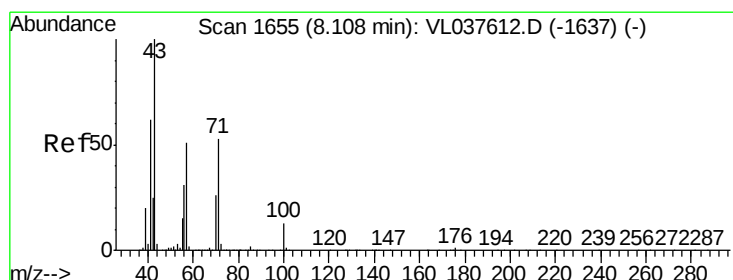
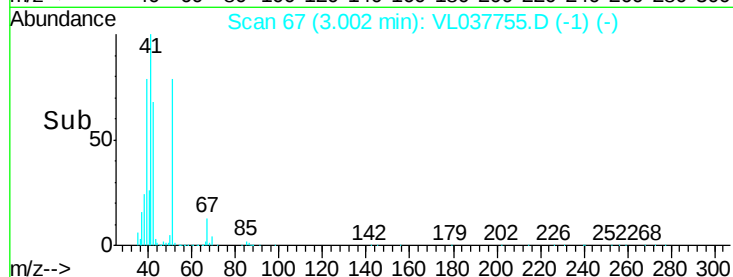
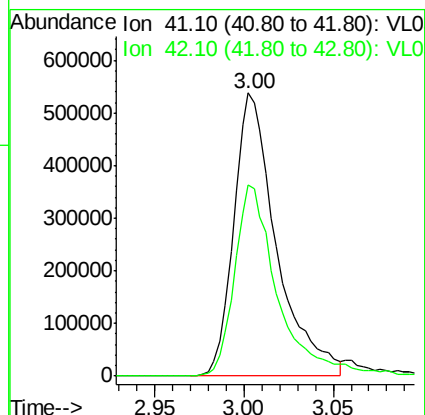
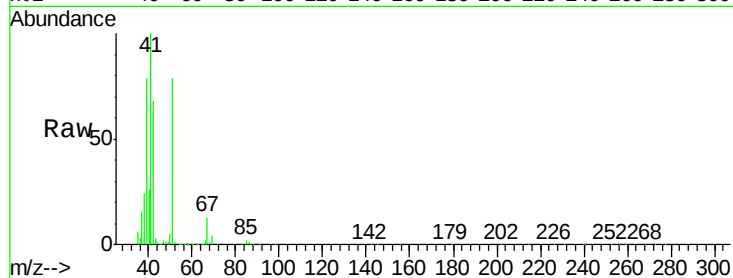
VL1001ABS01

Tgt Ion: 41 Resp: 897131

Ion Ratio Lower Upper

41 100

42 69.4 57.2 85.8



#10

Heptane

Concen: 10.265 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL037755.D

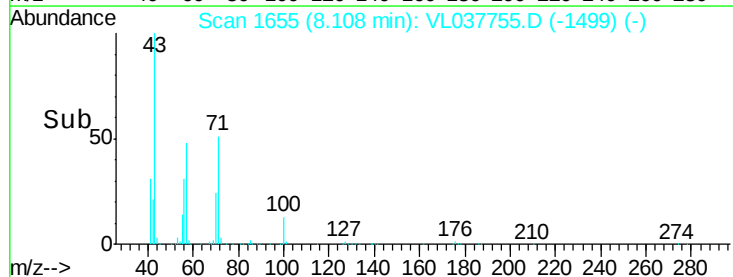
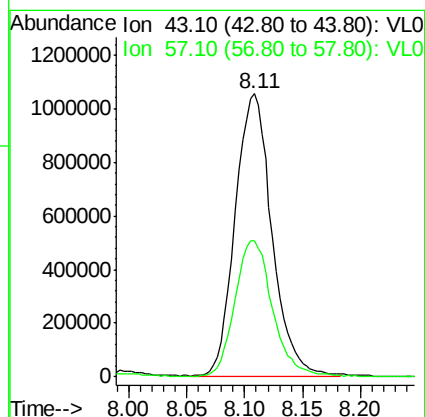
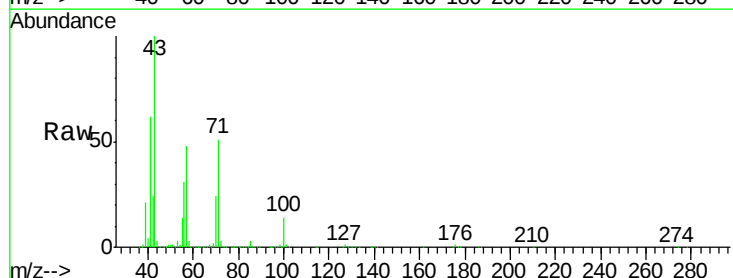
Acq: 1 Oct 2021 23:46

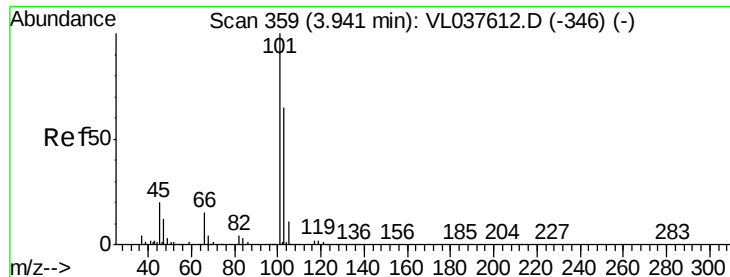
Tgt Ion: 43 Resp: 2305871

Ion Ratio Lower Upper

43 100

57 49.9 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.352 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

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Acq: 1 Oct 2021 23:46

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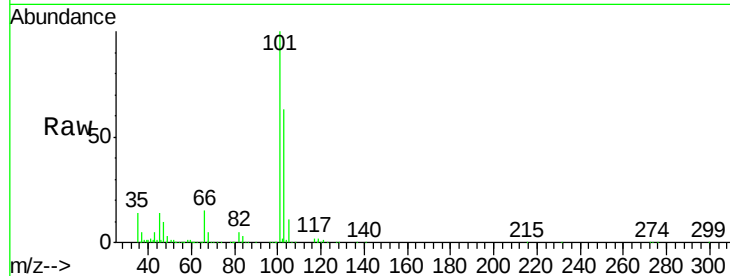
VL1001ABS01

Tgt Ion:101 Resp: 1965777

Ion Ratio Lower Upper

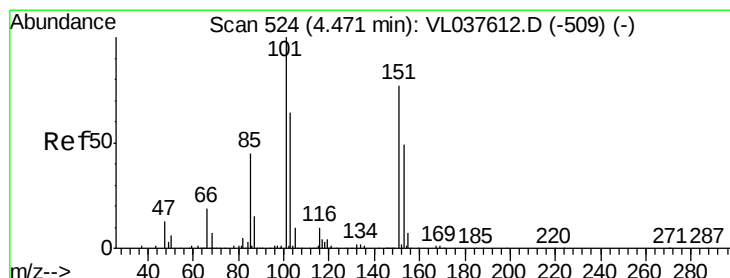
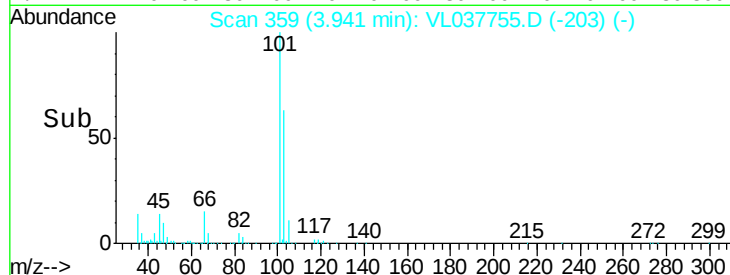
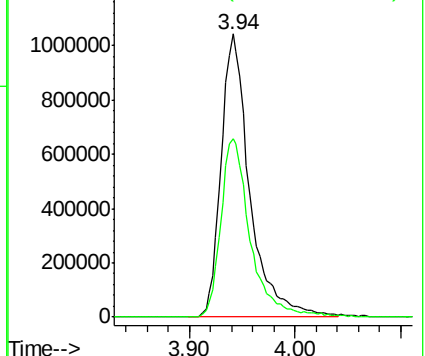
101 100

103 63.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.315 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037755.D

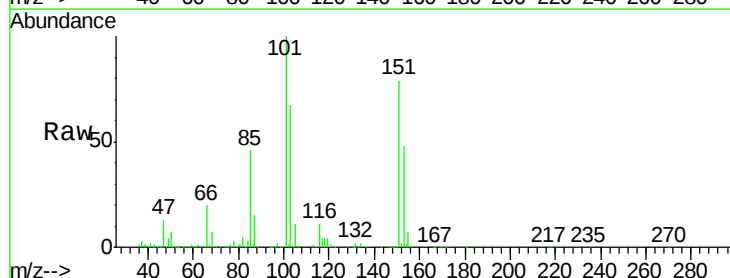
Acq: 1 Oct 2021 23:46

Tgt Ion:101 Resp: 1445251

Ion Ratio Lower Upper

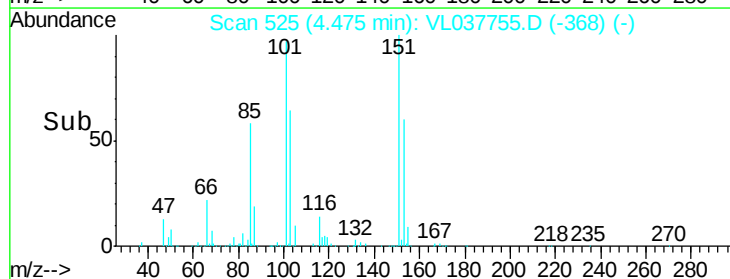
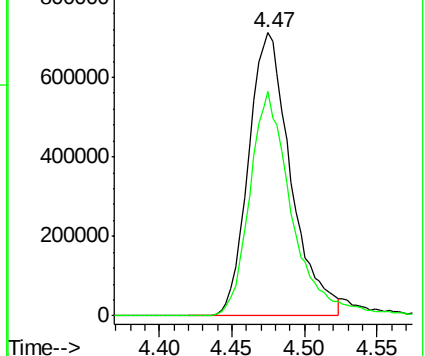
101 100

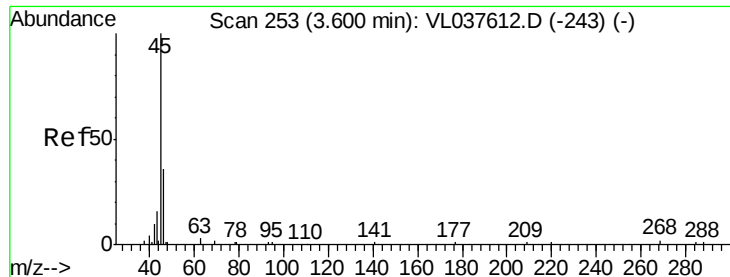
151 79.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.826 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

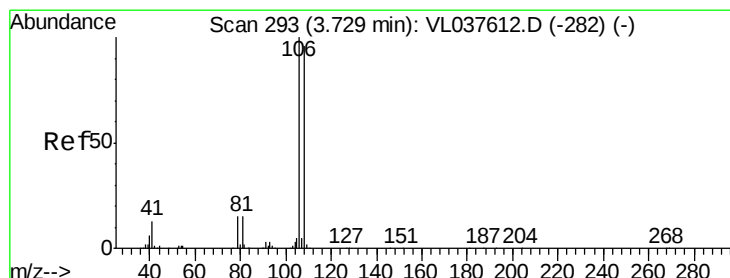
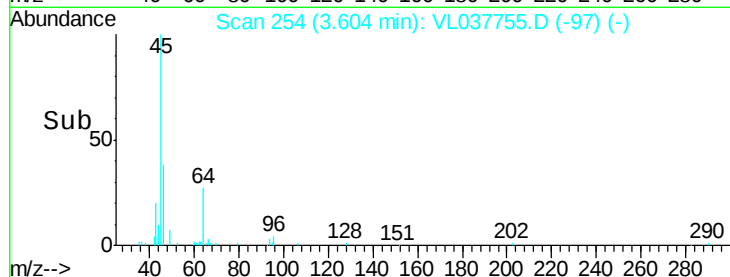
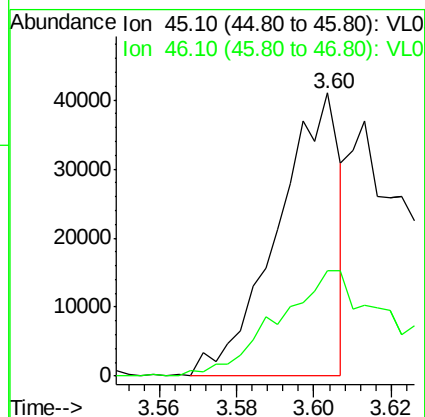
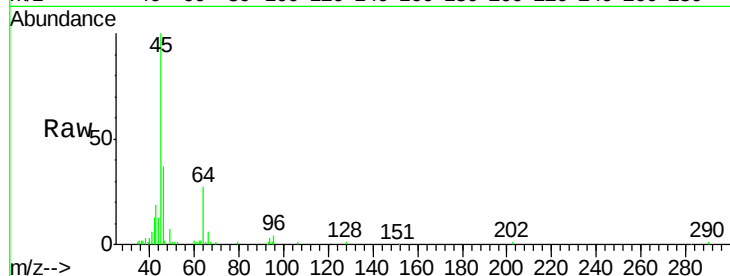
VL1001ABS01

Tgt Ion: 45 Resp: 45444

Ion Ratio Lower Upper

45 100

46 87.4 17.2 68.8#



#14

Bromoethene

Concen: 9.422 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

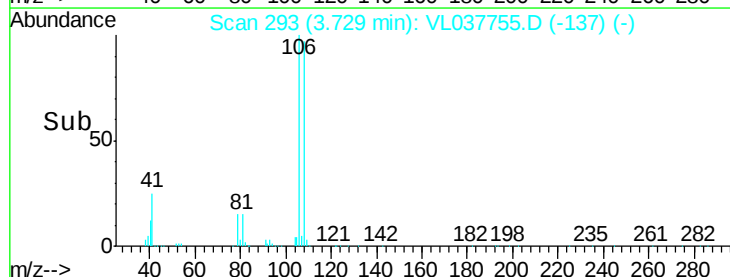
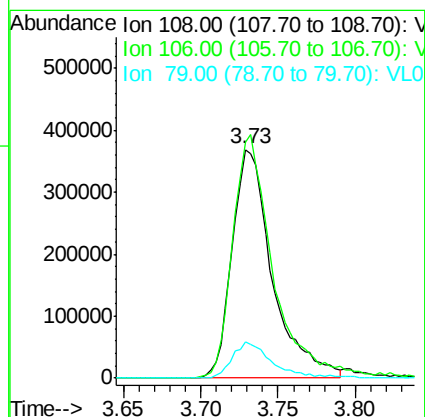
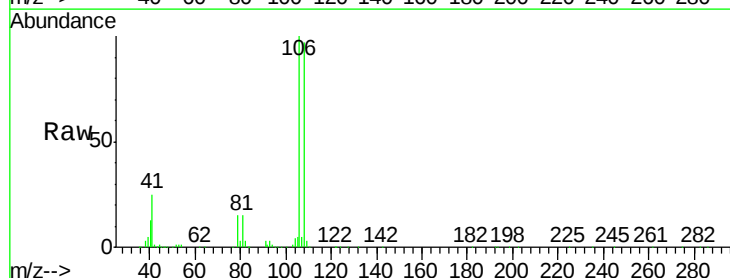
Tgt Ion: 108 Resp: 665479

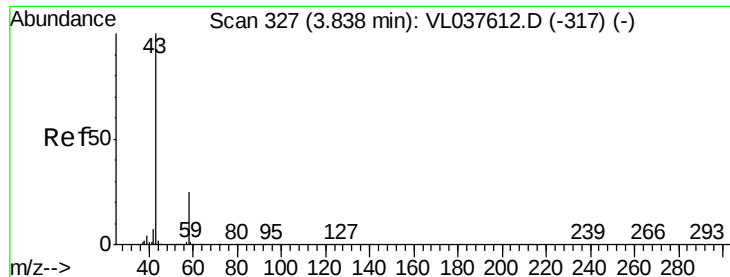
Ion Ratio Lower Upper

108 100

106 108.1 88.2 132.4

79 16.1 12.8 19.2





#15

Acetone

Concen: 7.833 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

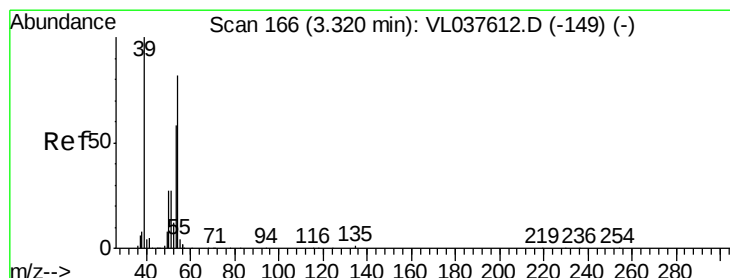
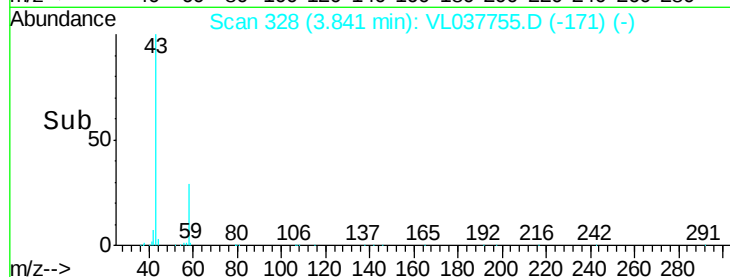
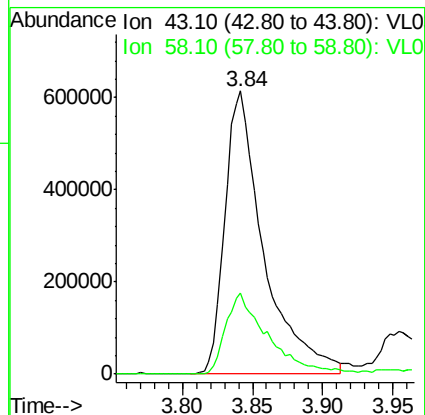
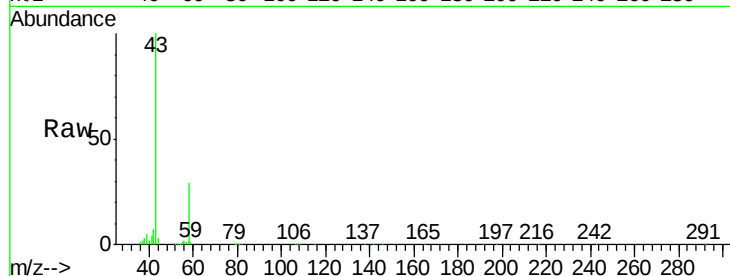
VL1001ABS01

Tgt Ion: 43 Resp: 1177538

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3



#16

1,3-Butadiene

Concen: 9.780 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037755.D

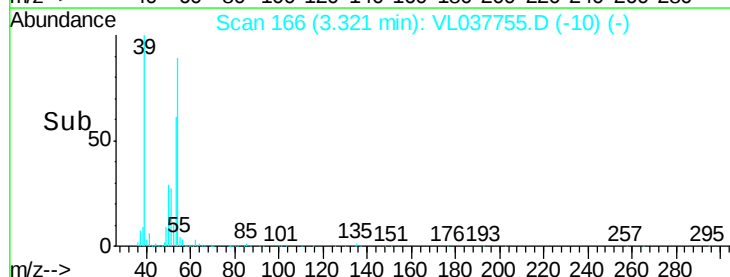
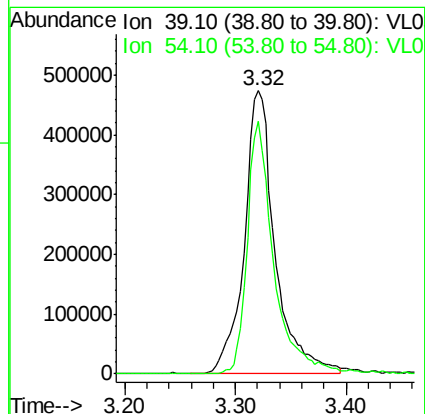
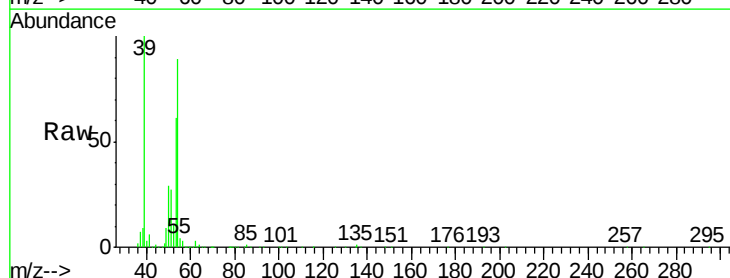
Acq: 1 Oct 2021 23:46

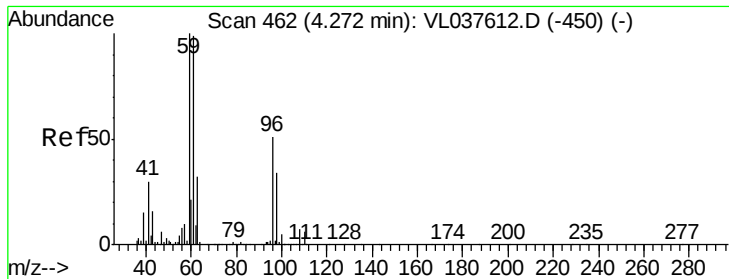
Tgt Ion: 39 Resp: 918743

Ion Ratio Lower Upper

39 100

54 78.0 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.032 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

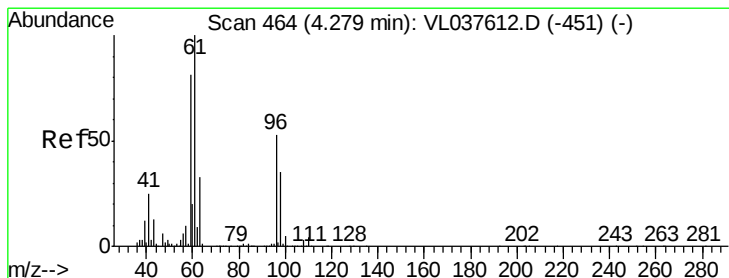
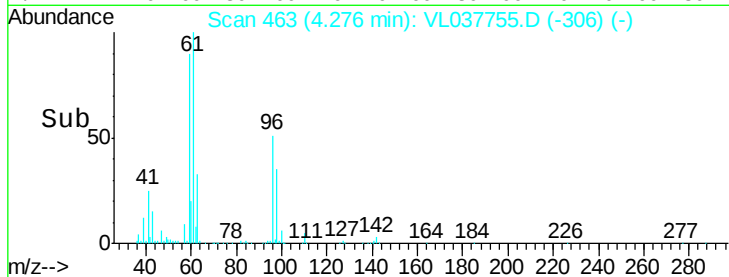
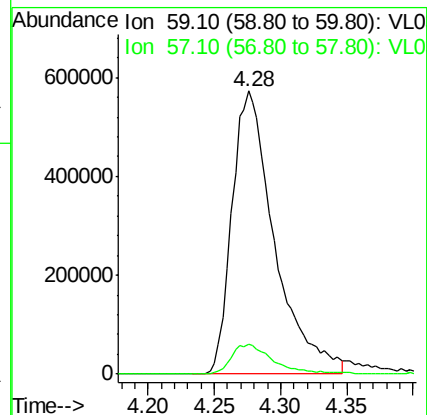
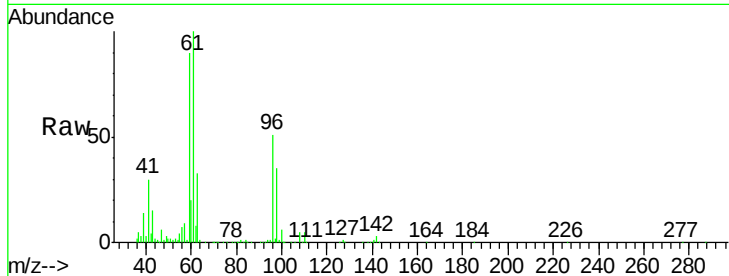
VL1001ABS01

Tgt Ion: 59 Resp: 1278907

Ion Ratio Lower Upper

59 100

57 10.8 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.388 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

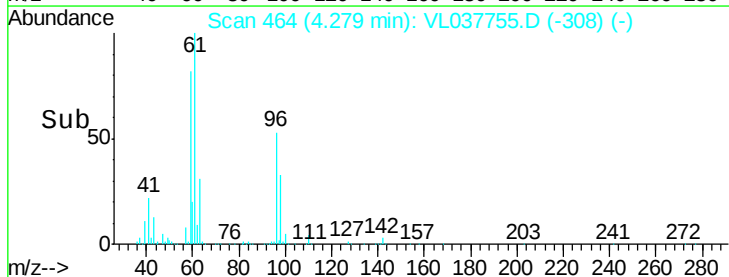
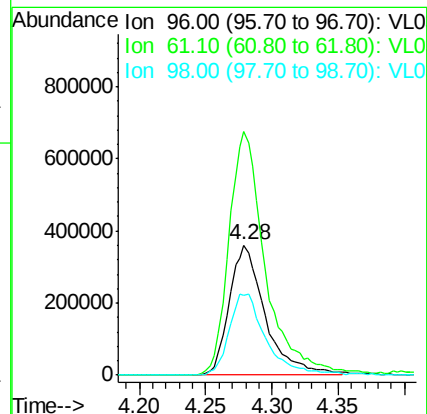
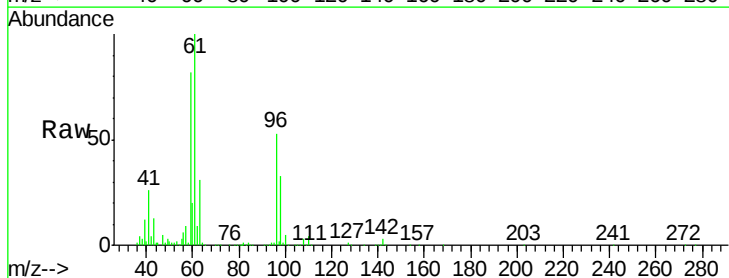
Tgt Ion: 96 Resp: 678564

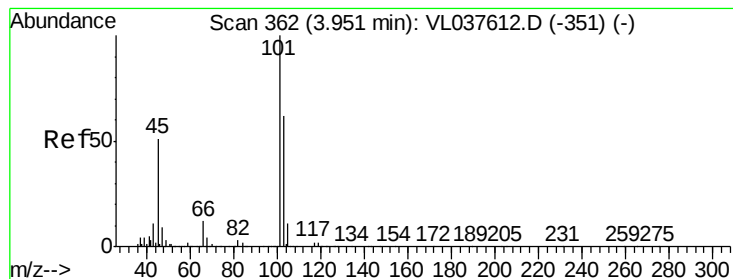
Ion Ratio Lower Upper

96 100

61 187.4 150.4 225.6

98 61.7 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.418 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

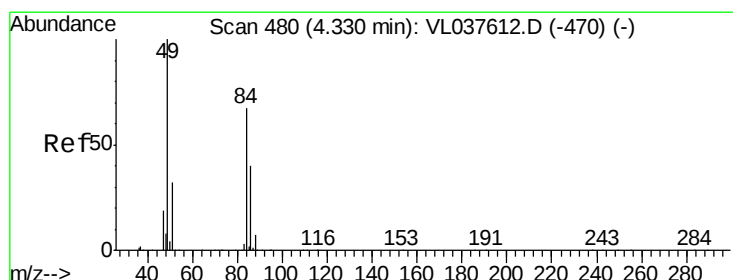
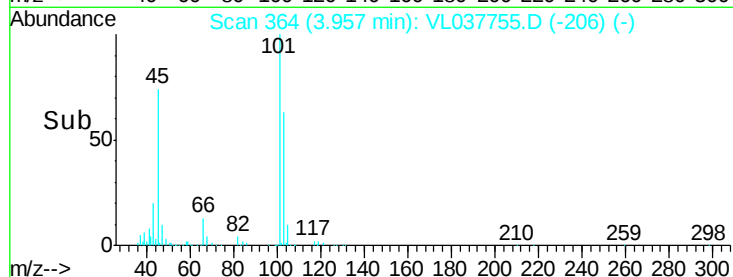
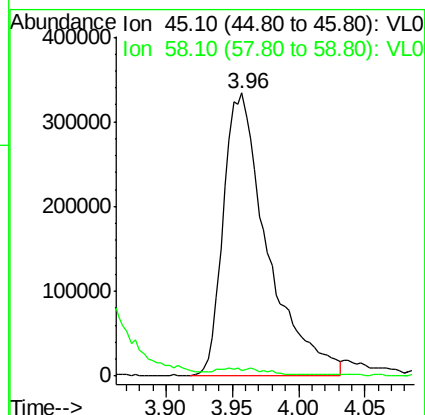
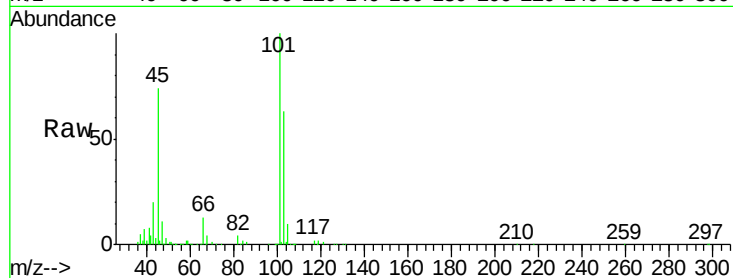
VL1001ABS01

Tgt Ion: 45 Resp: 770375

Ion Ratio Lower Upper

45 100

58 2.6 2.9 4.3#



#20

Methylene Chloride

Concen: 7.734 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 84 Resp: 555061

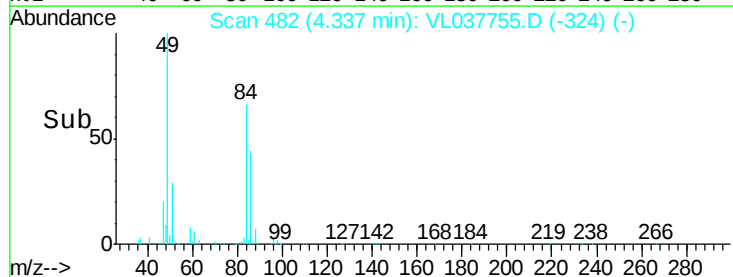
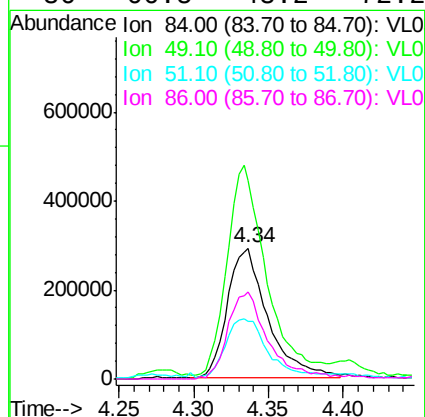
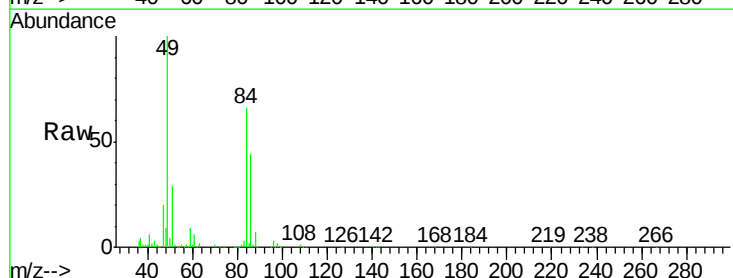
Ion Ratio Lower Upper

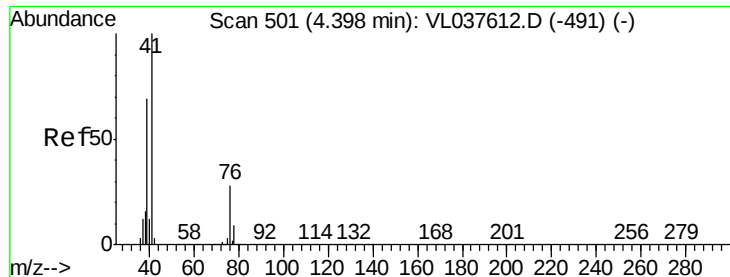
84 100

49 149.3 120.0 180.0

51 40.1 38.0 57.0

86 66.5 48.2 72.2

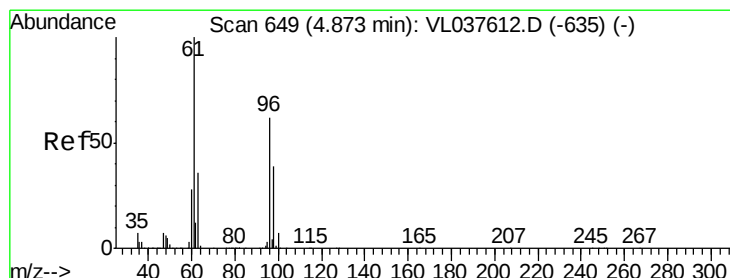
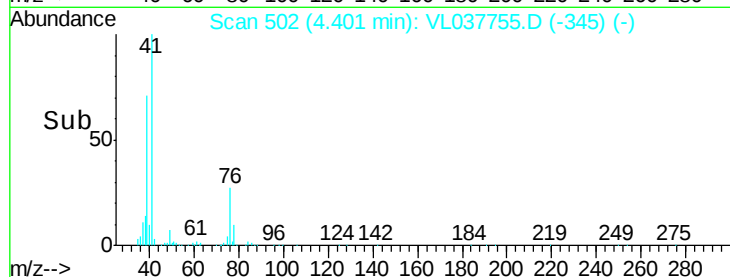
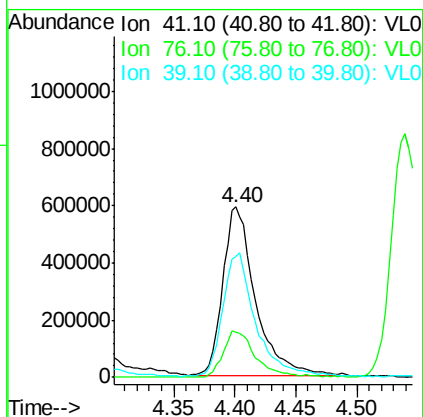
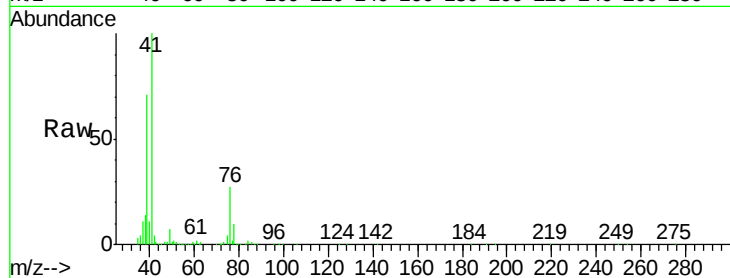




#21
 Allyl Chloride
 Concen: 9.815 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

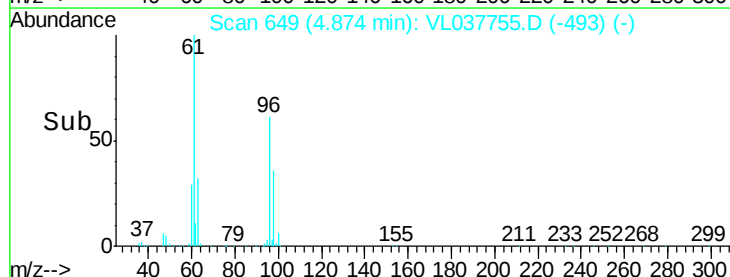
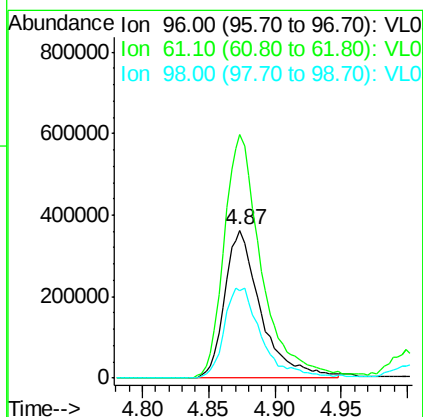
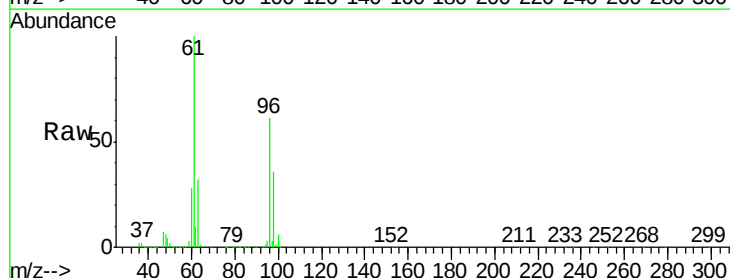
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

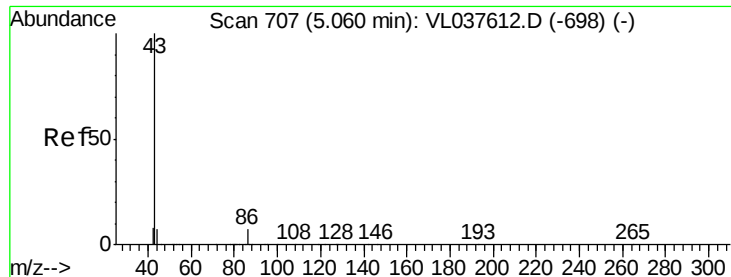
Tgt Ion: 41 Resp: 1102316
 Ion Ratio Lower Upper
 41 100
 76 28.1 23.1 34.7
 39 74.8 61.0 91.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.486 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 96 Resp: 689823
 Ion Ratio Lower Upper
 96 100
 61 164.7 129.2 193.8
 98 59.2 50.4 75.6





#23

Vinyl Acetate

Concen: 9.913 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

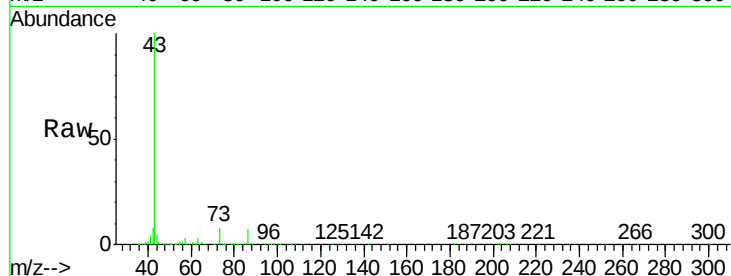
MSVOA_L

ClientSampleId :

VL1001ABS01

Tgt Ion: 43 Resp: 2062289

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.0	7.6
42	8.0	7.5	11.3
44	4.8	4.7	7.1

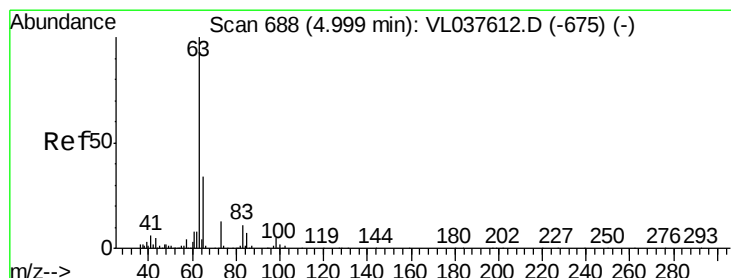
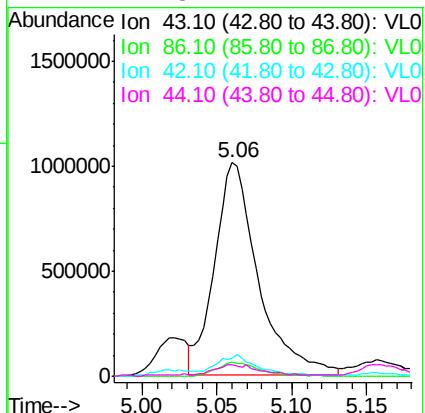
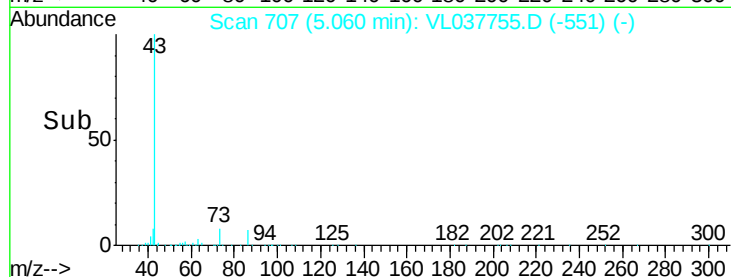


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.293 ppbv

RT: 5.00 min Scan# 688

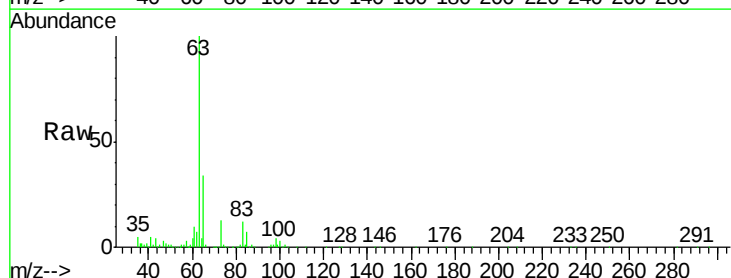
Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 63 Resp: 1384899

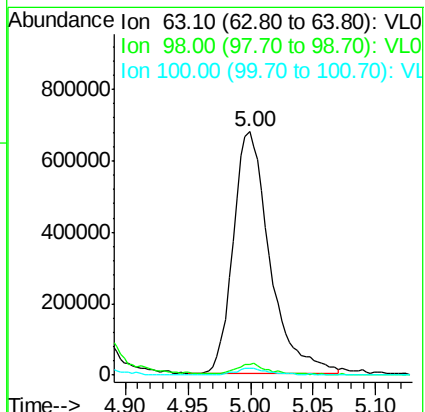
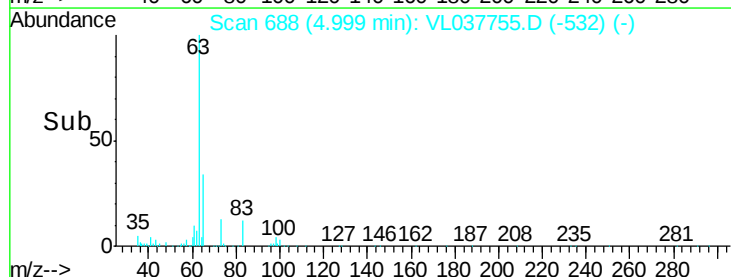
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.2
100	2.4	1.1	3.5

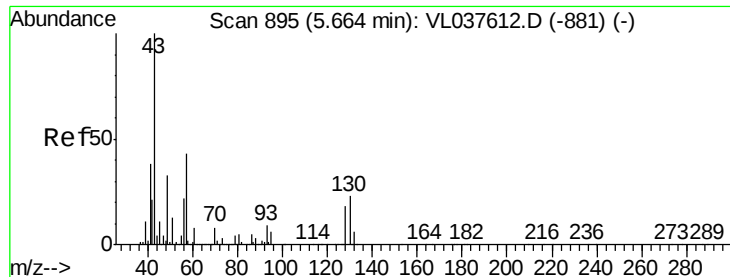


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.739 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

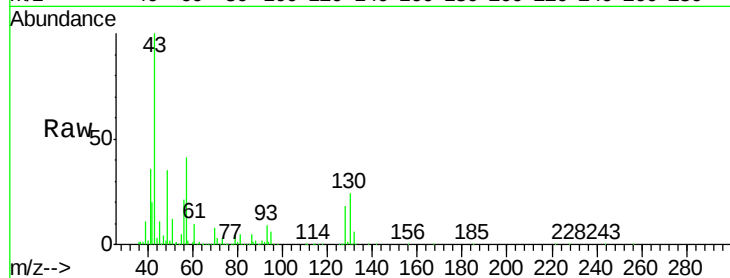
MSVOA_L

ClientSampleId :

VL1001ABS01

Tgt Ion: 43 Resp: 3545957

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	7.5	11.3
70	7.1	5.6	8.4

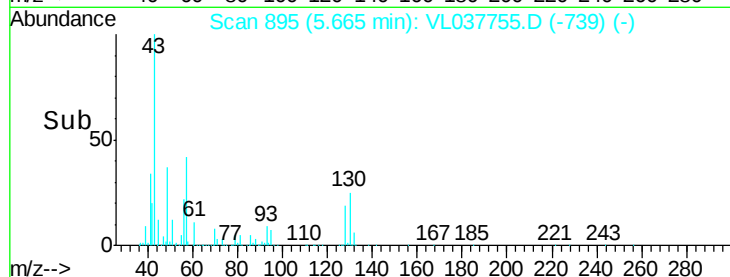


Abundance Ion 43.10 (42.80 to 43.80): VL0

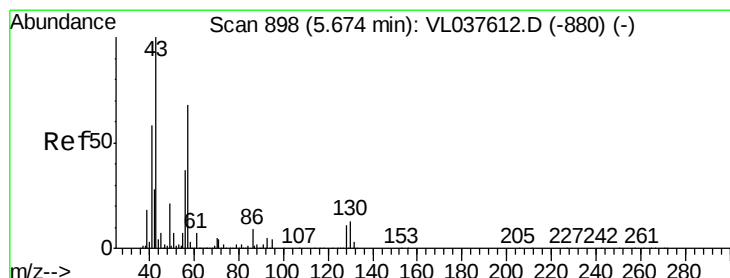
Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



Time--> 5.55 5.60 5.65 5.70 5.75



#26

Hexane

Concen: 9.559 ppbv

RT: 5.67 min Scan# 898

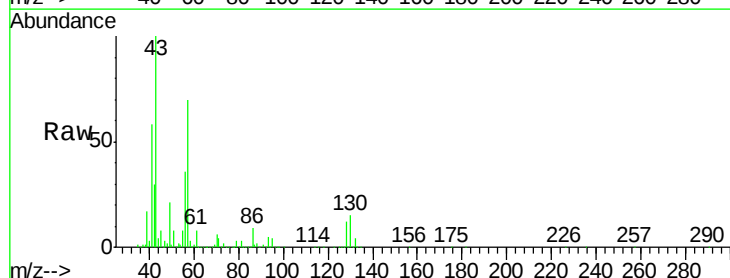
Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 57 Resp: 1653255

Ion	Ratio	Lower	Upper
57	100		
41	90.4	70.9	106.3
43	219.4	170.4	255.6
56	53.6	42.6	64.0

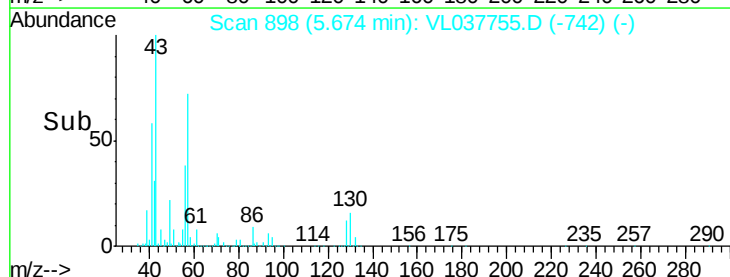


Abundance Ion 57.10 (56.80 to 57.80): VL0

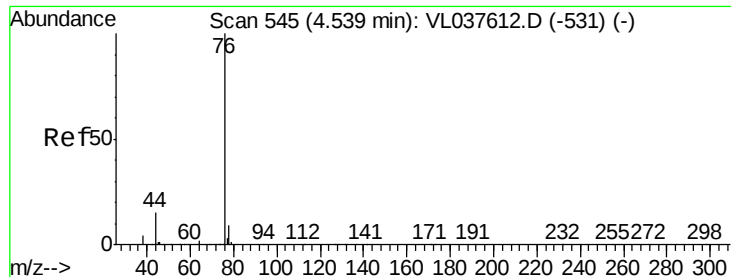
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



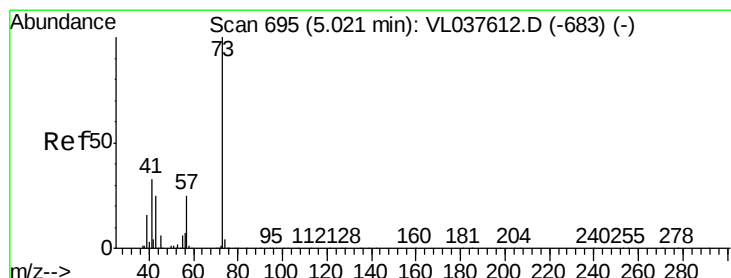
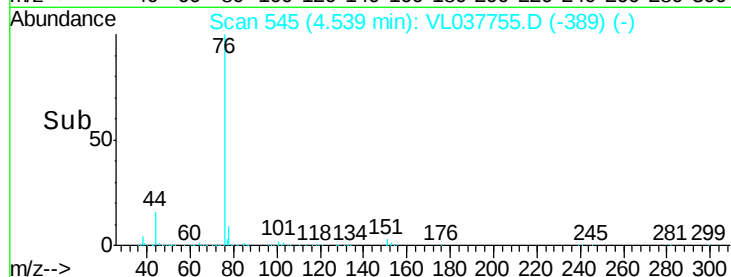
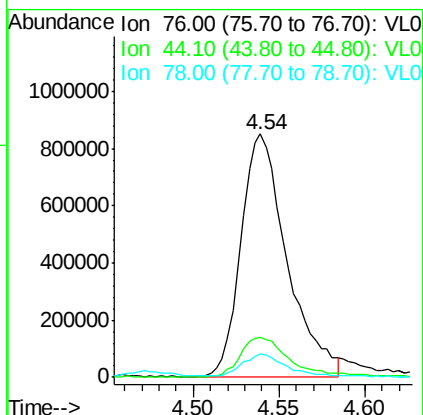
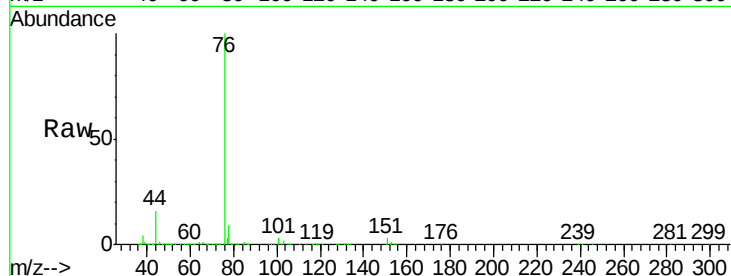
Time--> 5.60 5.65 5.70 5.75



#27
Carbon Disulfide
Concen: 9.957 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

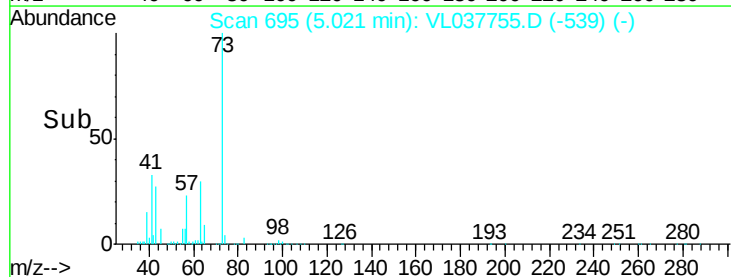
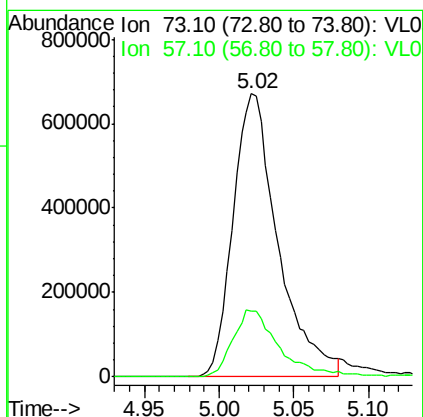
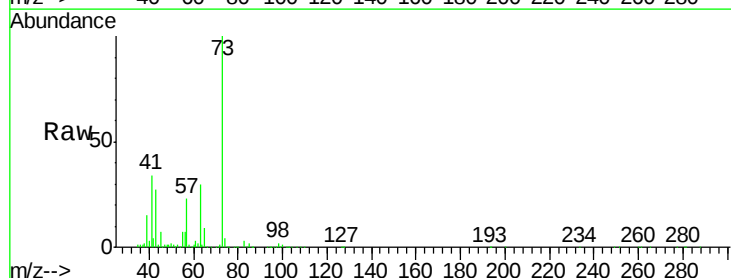
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

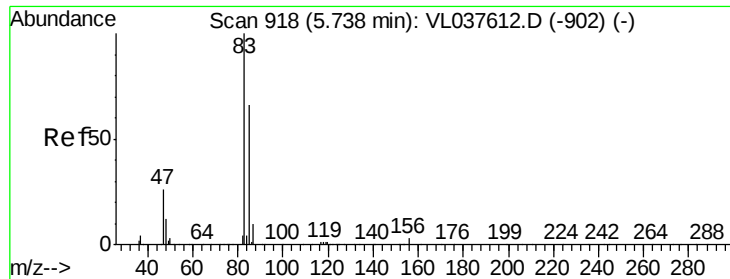
Tgt Ion: 76 Resp: 1575385
Ion Ratio Lower Upper
76 100
44 18.2 14.2 21.2
78 9.7 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 9.216 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 73 Resp: 1404049
Ion Ratio Lower Upper
73 100
57 24.5 20.1 30.1

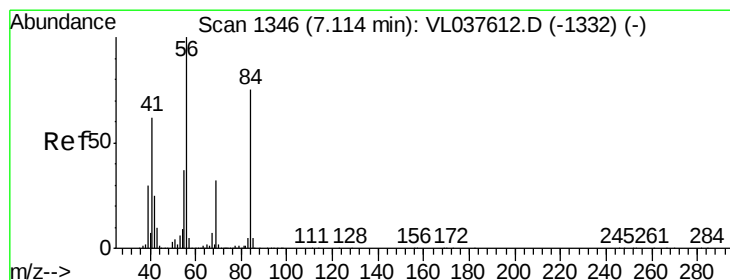
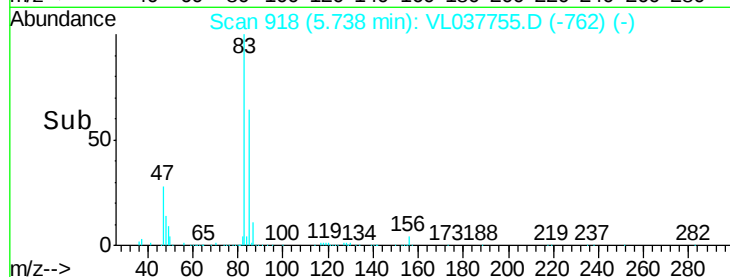
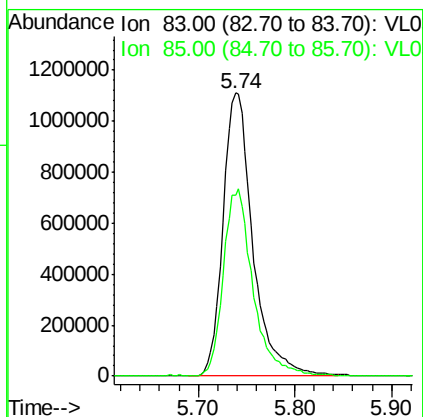
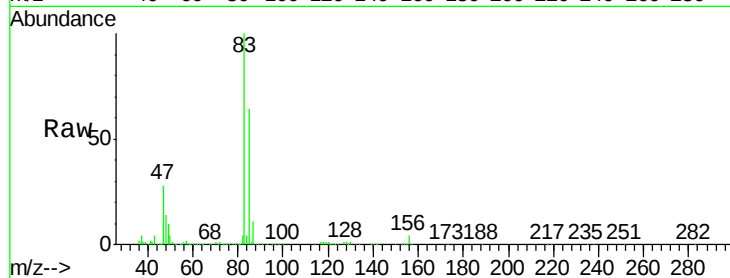




#29
Chloroform
Concen: 9.438 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

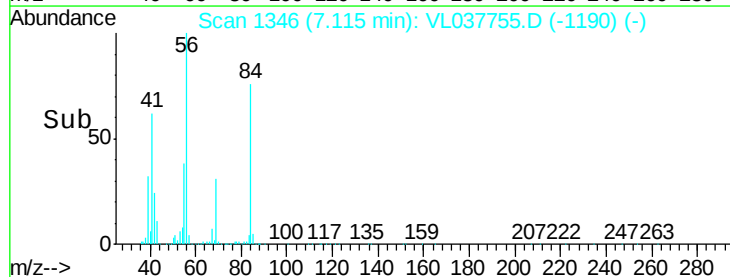
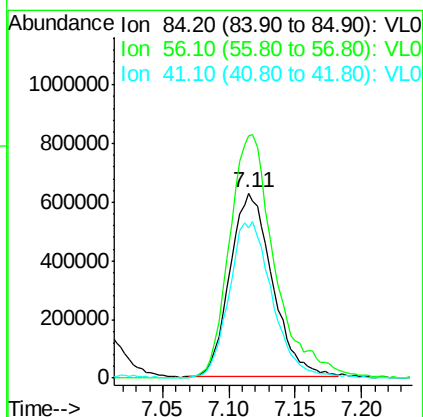
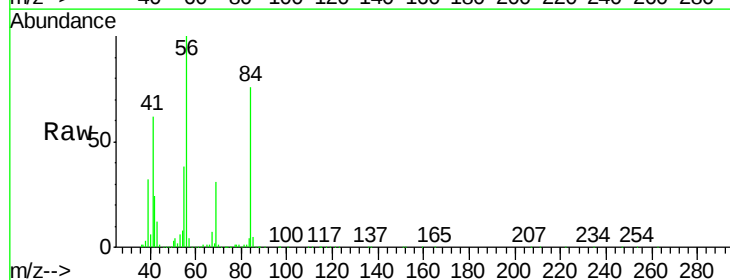
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

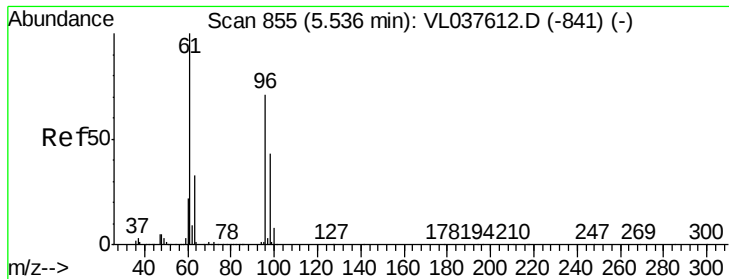
Tgt Ion: 83 Resp: 2383595
Ion Ratio Lower Upper
83 100
85 63.7 52.6 79.0



#30
Cyclohexane
Concen: 9.478 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 84 Resp: 1402085
Ion Ratio Lower Upper
84 100
56 142.2 113.6 170.4
41 86.9 67.9 101.9





#31

cis-1,2-Dichloroethene

Concen: 10.083 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

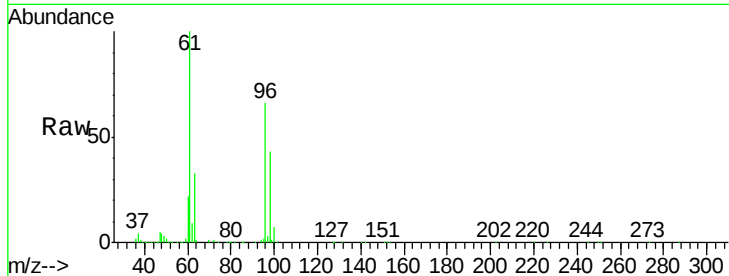
Tgt Ion: 61 Resp: 1583261

Ion Ratio Lower Upper

61 100

96 66.3 56.7 85.1

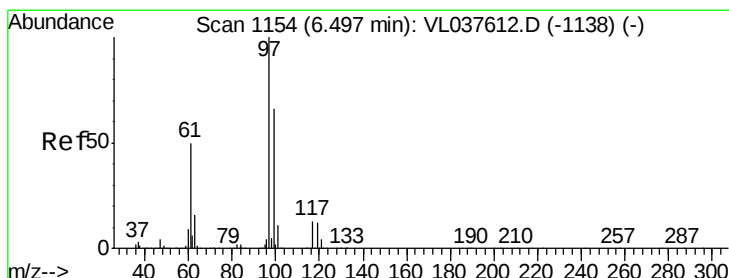
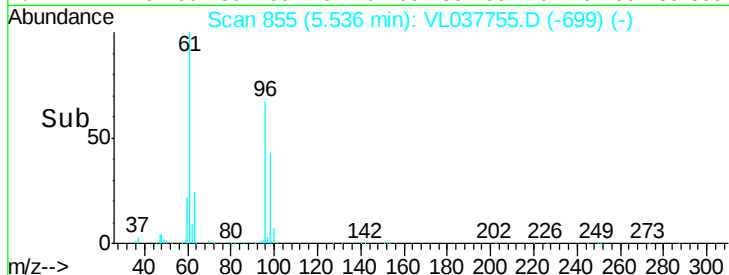
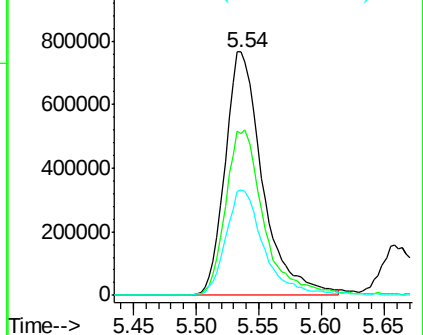
98 43.4 34.6 52.0



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: 9.645 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

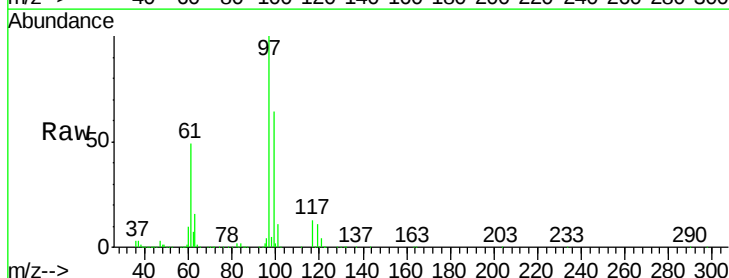
Tgt Ion: 97 Resp: 2267854

Ion Ratio Lower Upper

97 100

99 65.3 52.3 78.5

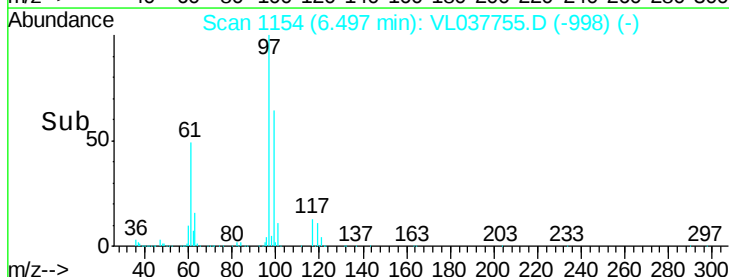
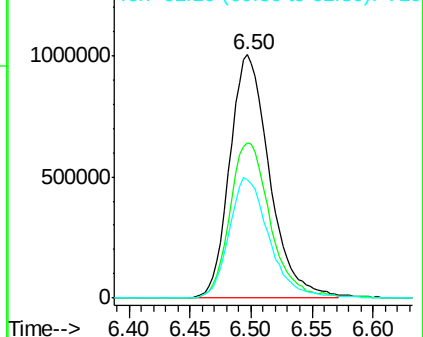
61 50.4 39.5 59.3

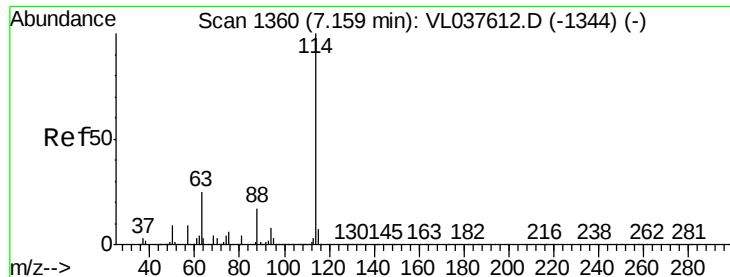


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

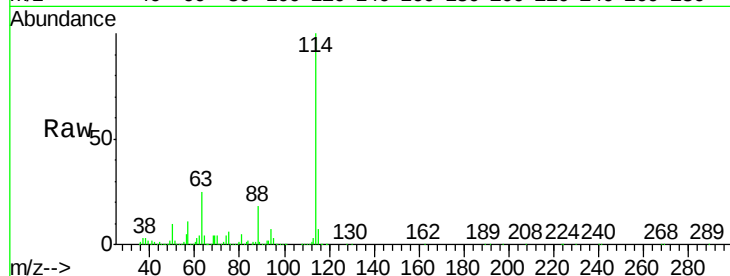




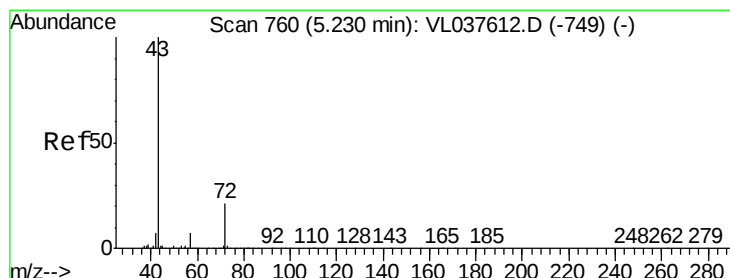
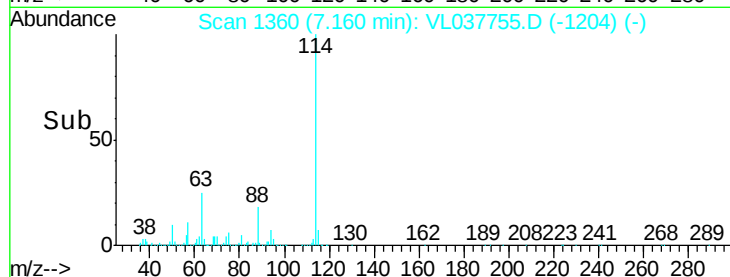
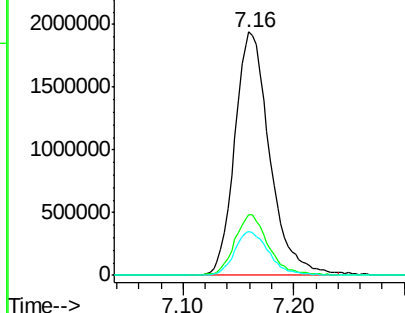
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tgt Ion:114 Resp: 4261183
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 18.0 14.2 21.4

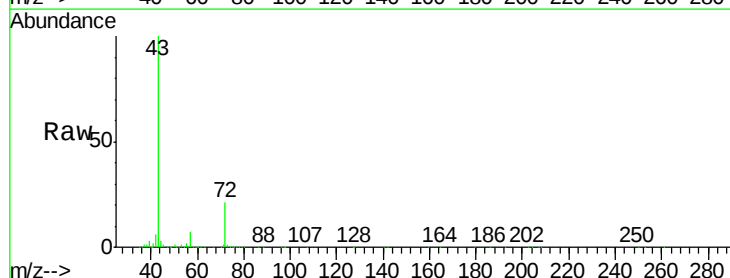


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

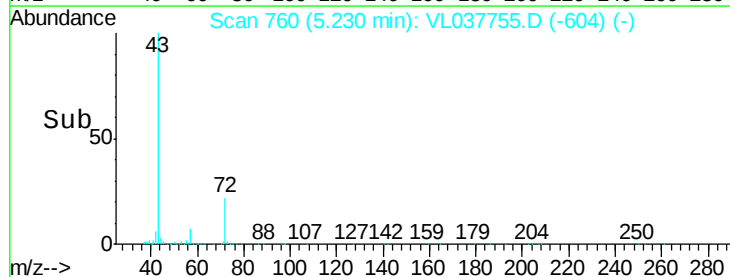
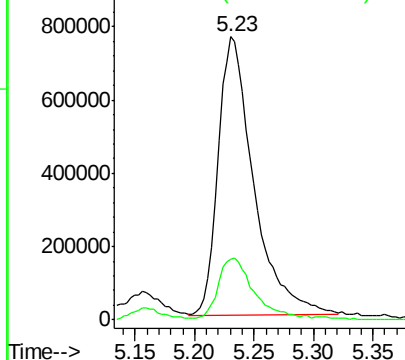


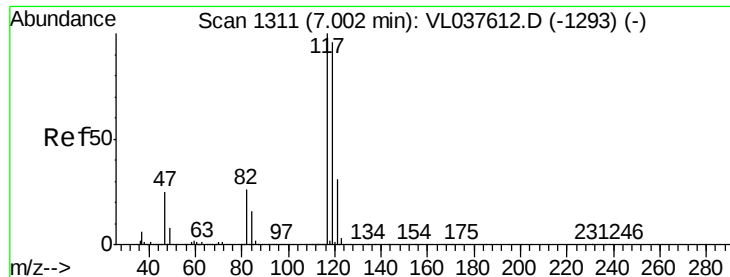
#34
 2-Butanone
 Concen: 9.113 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 43 Resp: 1578079
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.762 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

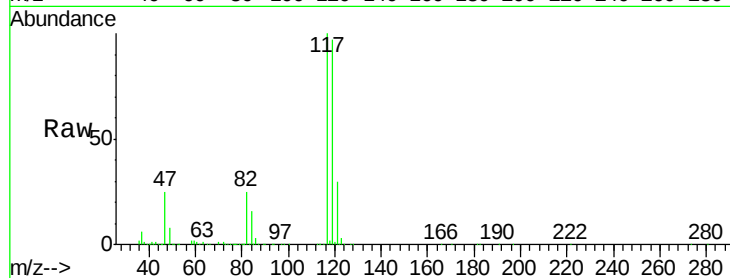
Tgt Ion:117 Resp: 2353113

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.6

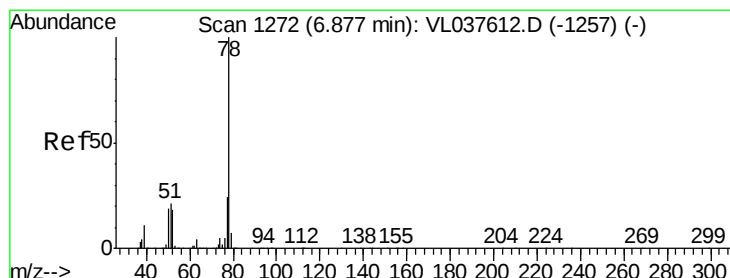
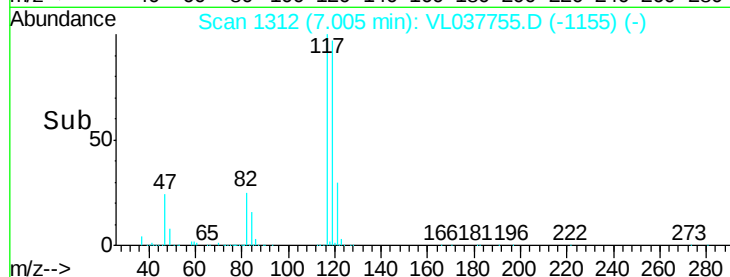
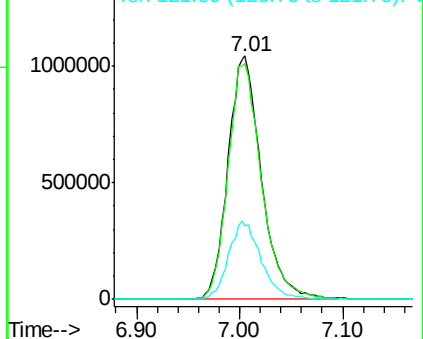
121 29.9 24.5 36.7



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: 9.790 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

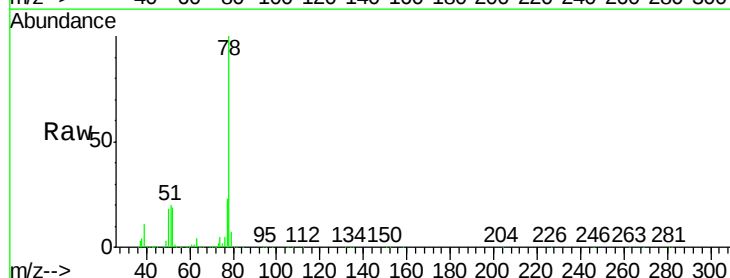
Tgt Ion: 78 Resp: 3478602

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

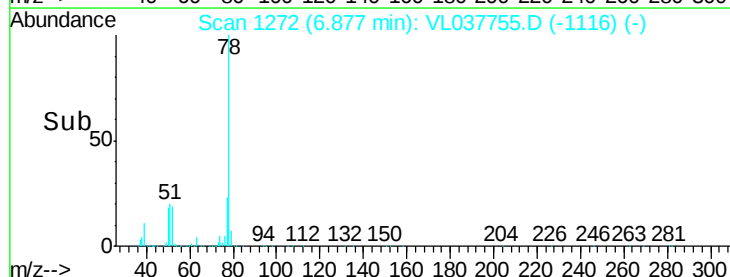
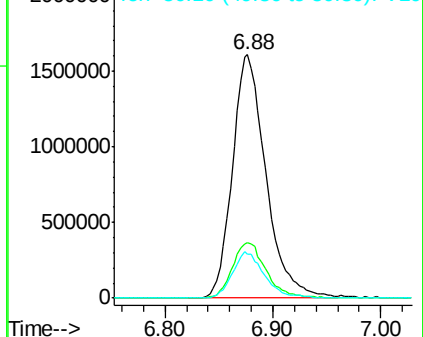
50 18.1 14.8 22.2

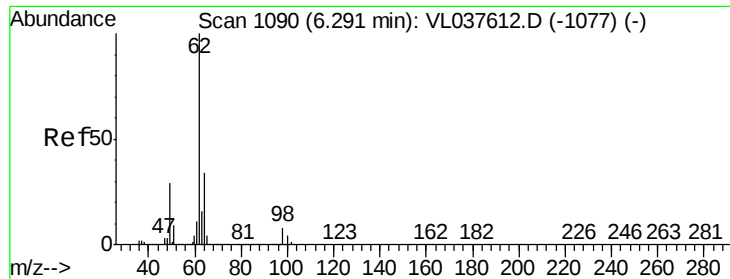


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

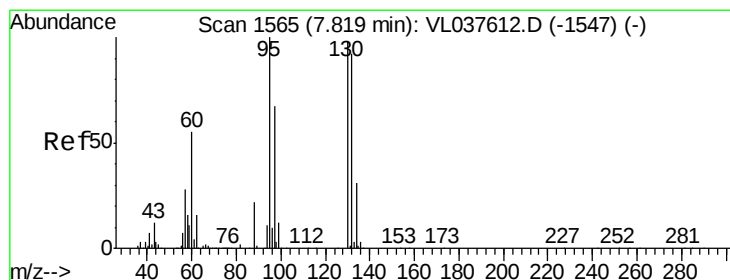
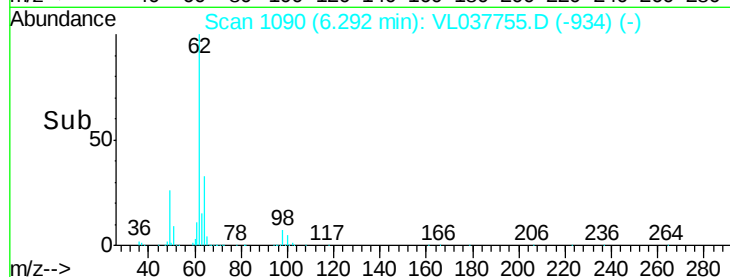
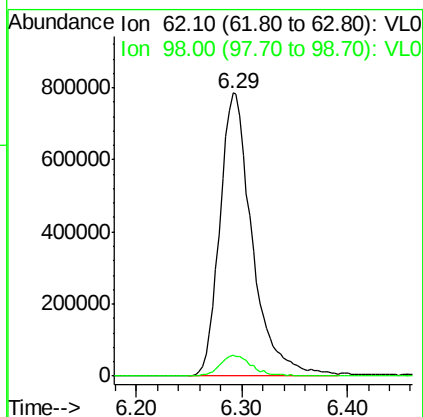
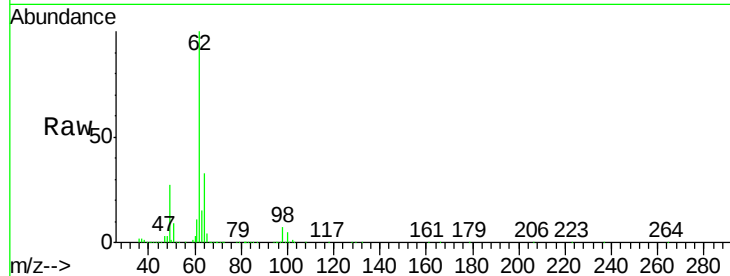




#37
 1,2-Dichloroethane
 Concen: 9.584 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

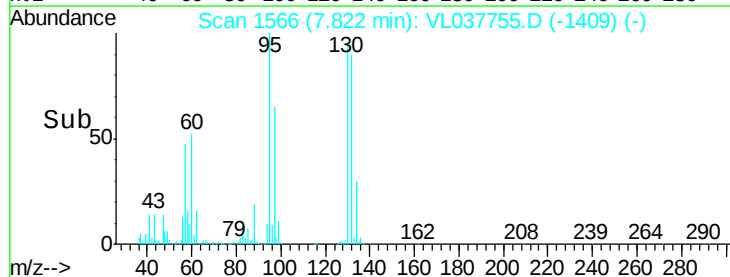
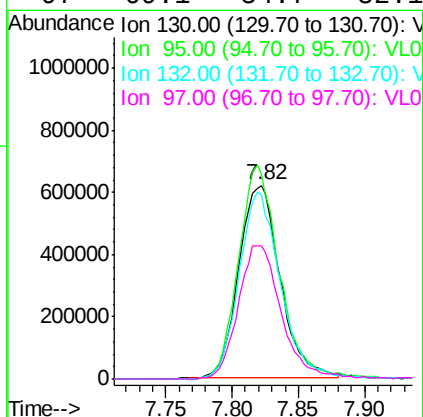
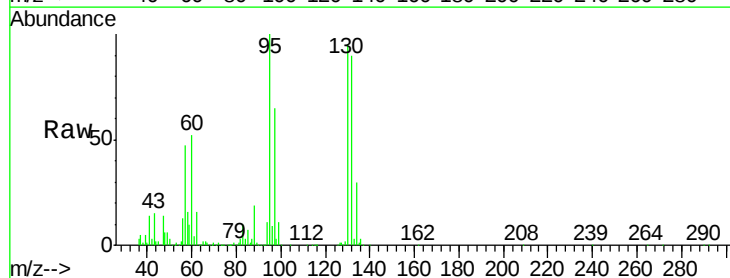
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

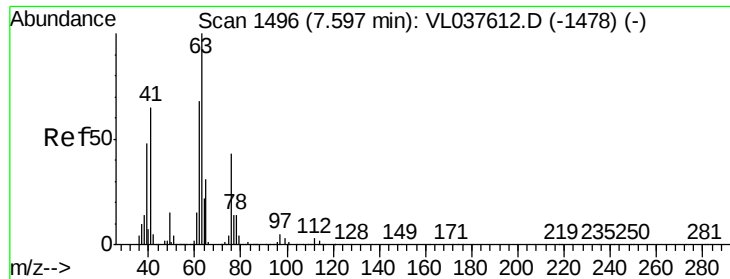
Tgt Ion: 62 Resp: 1674935
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.1 9.1



#38
 Trichloroethene
 Concen: 9.110 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 130 Resp: 1352222
 Ion Ratio Lower Upper
 130 100
 95 106.0 81.8 122.6
 132 95.3 75.3 112.9
 97 69.1 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.661 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

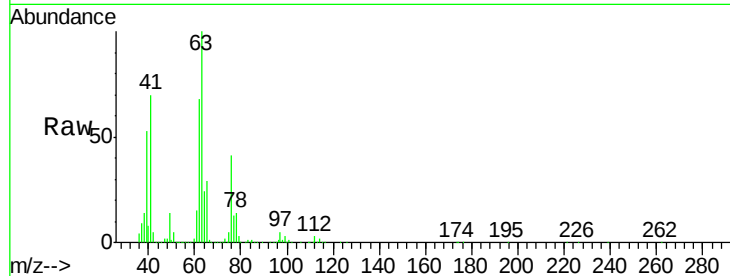
Tgt Ion: 63 Resp: 1314784

Ion Ratio Lower Upper

63 100

41 69.9 51.6 77.4

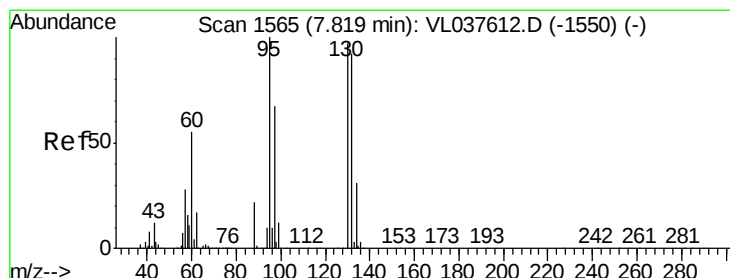
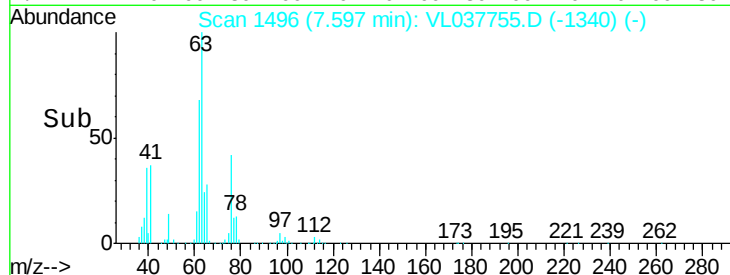
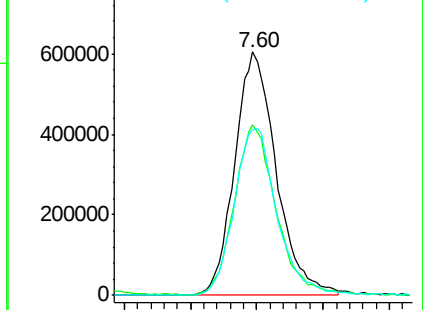
62 67.7 54.6 81.8



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: 9.371 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 88 Resp: 310235

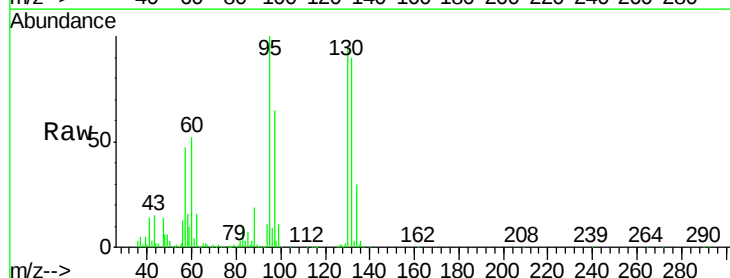
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

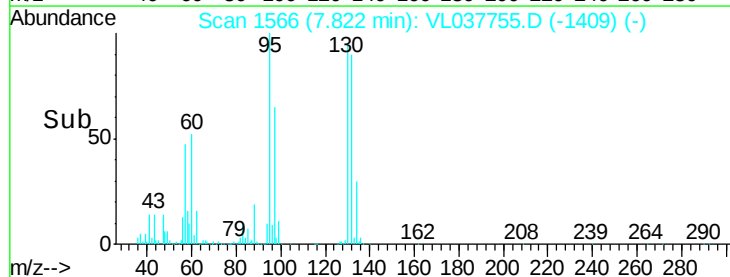
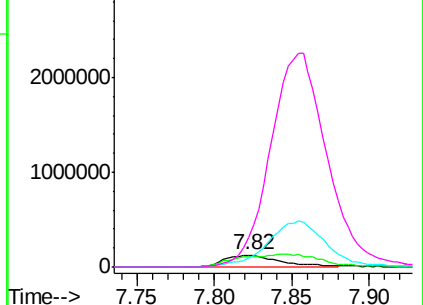


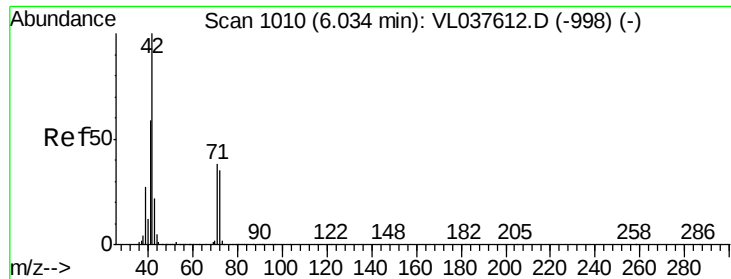
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

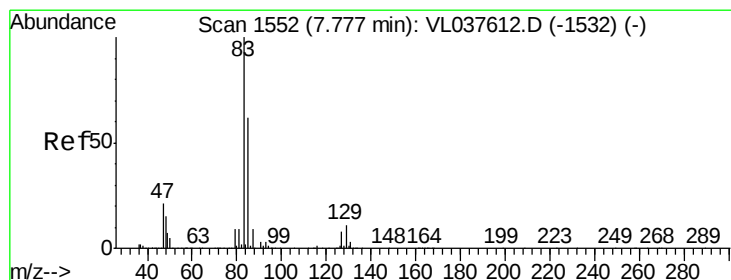
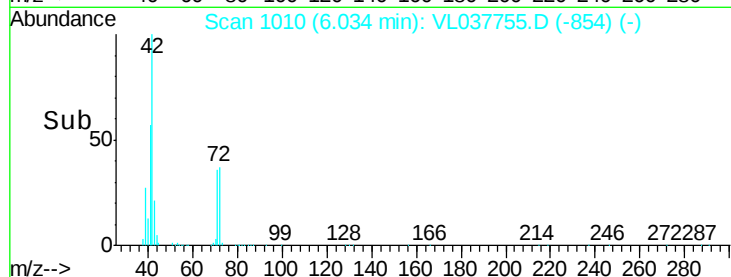
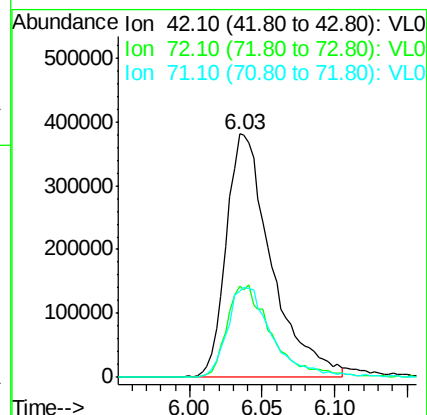
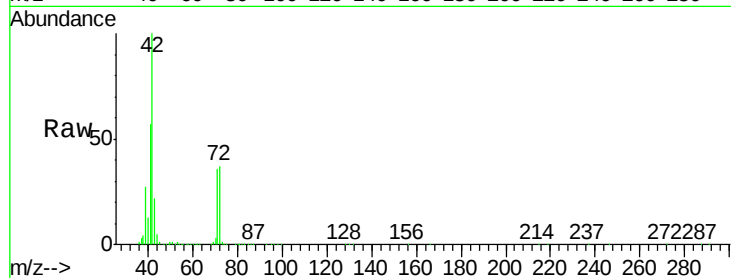




#41
Tetrahydrofuran
Concen: 10.023 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

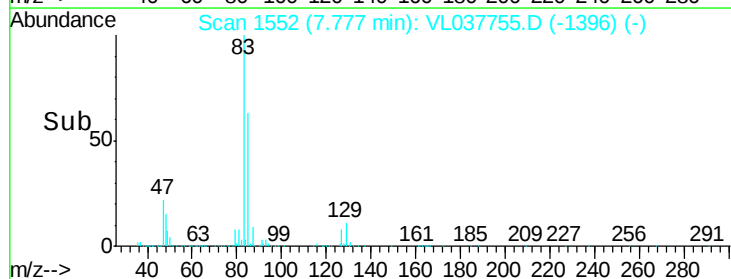
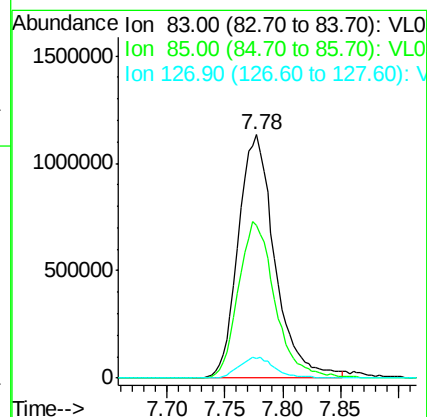
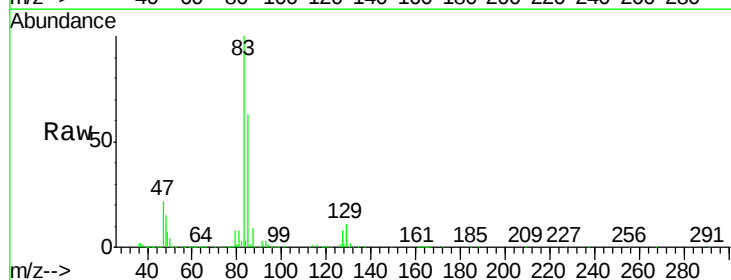
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

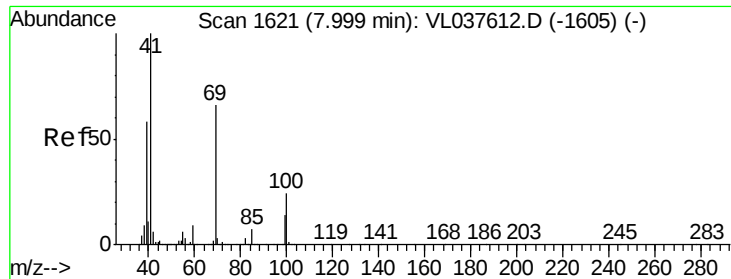
Tgt Ion: 42 Resp: 815923
Ion Ratio Lower Upper
42 100
72 38.2 31.4 47.2
71 37.8 30.6 46.0



#42
Bromodichloromethane
Concen: 9.945 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 83 Resp: 2491043
Ion Ratio Lower Upper
83 100
85 63.0 49.8 74.6
127 8.2 6.4 9.6

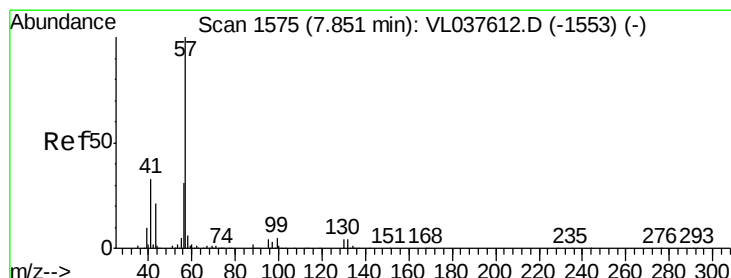
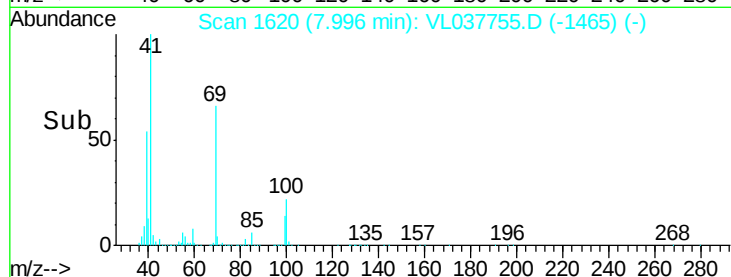
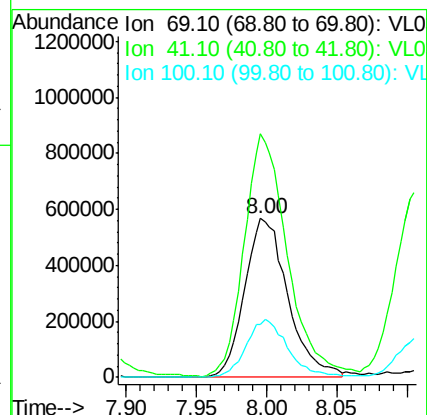
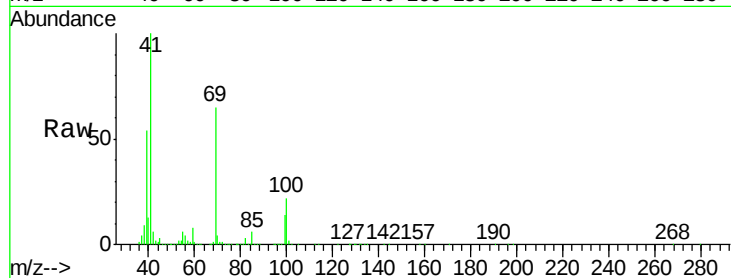




#43
Methyl Methacrylate
Concen: 10.297 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

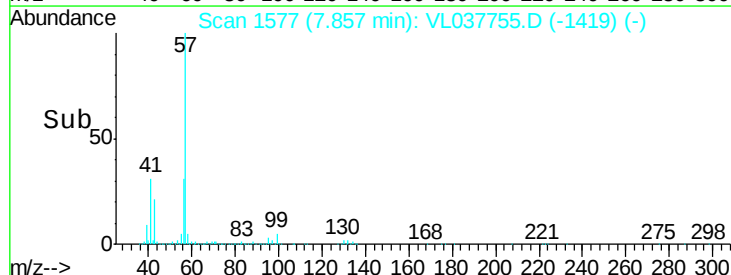
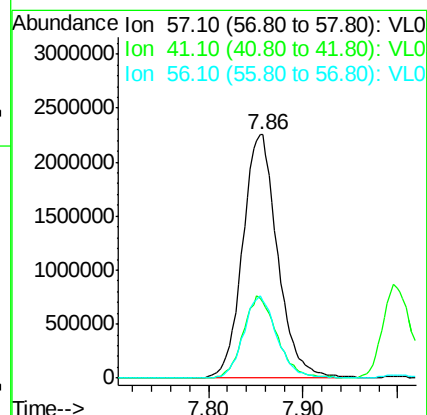
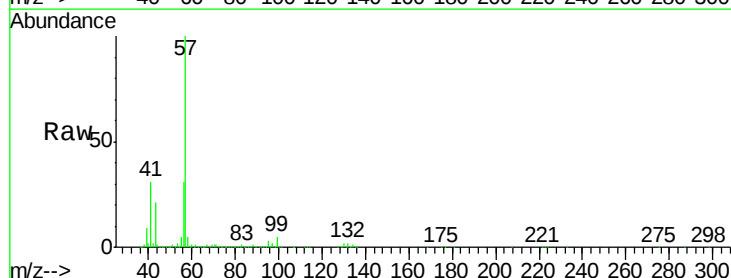
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

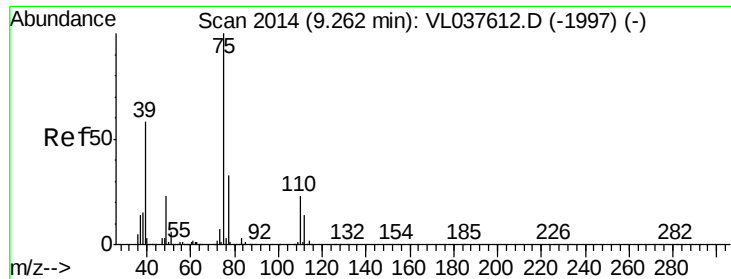
Tgt Ion: 69 Resp: 1217188
Ion Ratio Lower Upper
69 100
41 153.9 119.0 178.4
100 35.6 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.666 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 57 Resp: 5774105
Ion Ratio Lower Upper
57 100
41 32.6 26.1 39.1
56 32.3 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.539 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

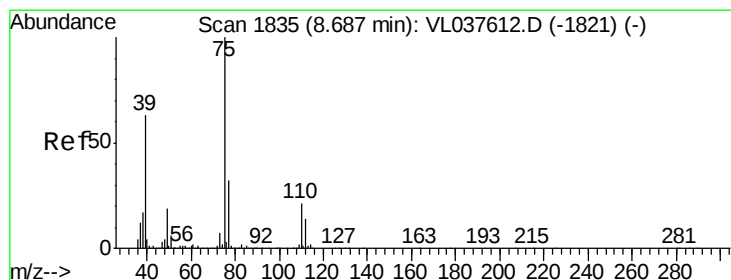
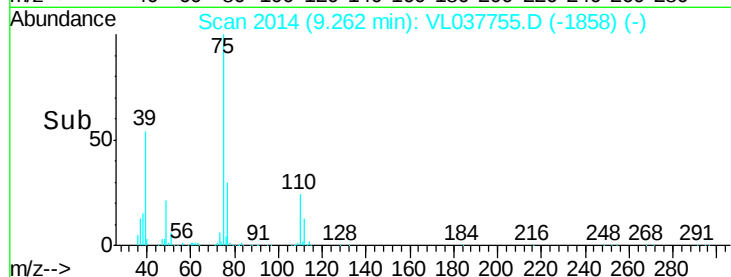
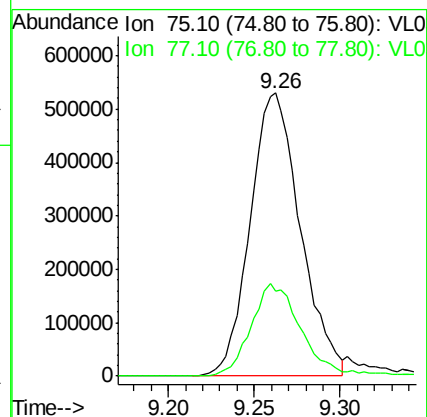
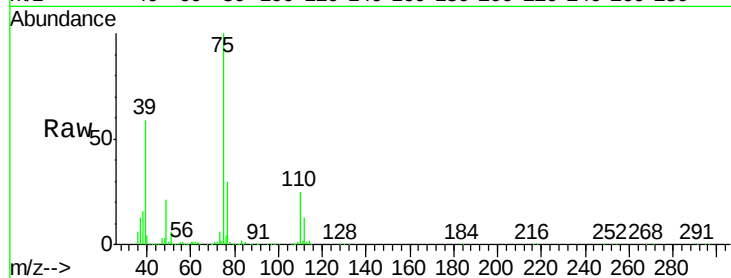
VL1001ABS01

Tgt Ion: 75 Resp: 1071447

Ion Ratio Lower Upper

75 100

77 29.8 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 11.513 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

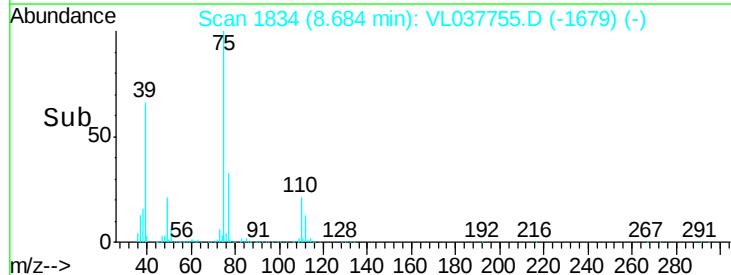
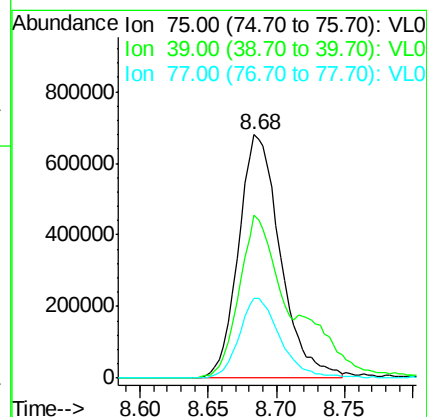
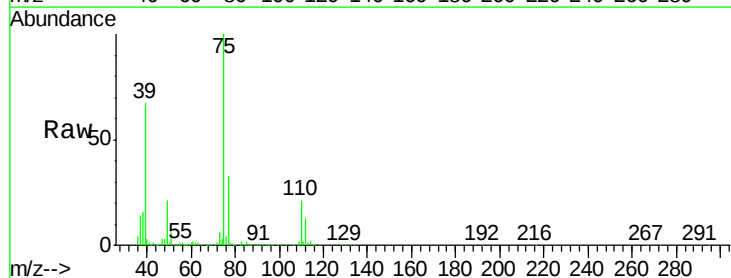
Tgt Ion: 75 Resp: 1443949

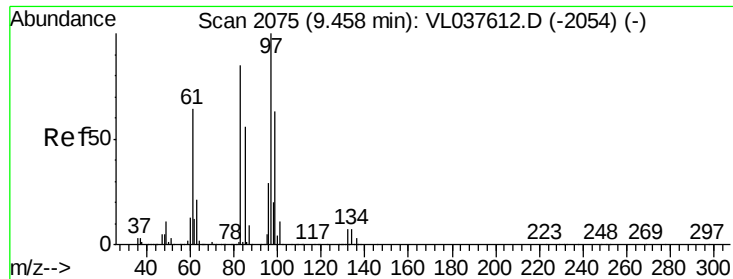
Ion Ratio Lower Upper

75 100

39 66.9 50.2 75.4

77 32.9 25.2 37.8



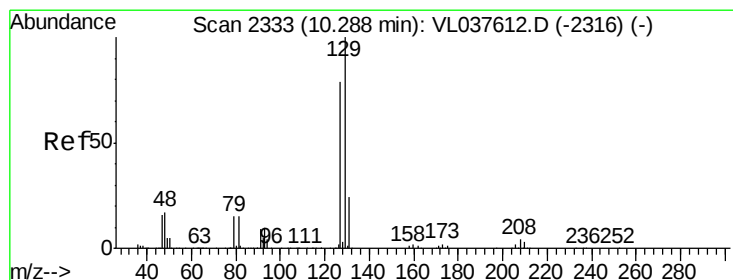
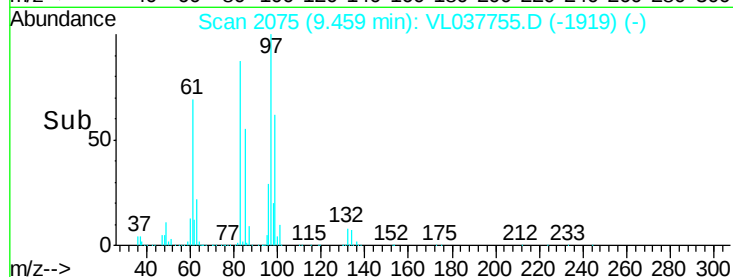
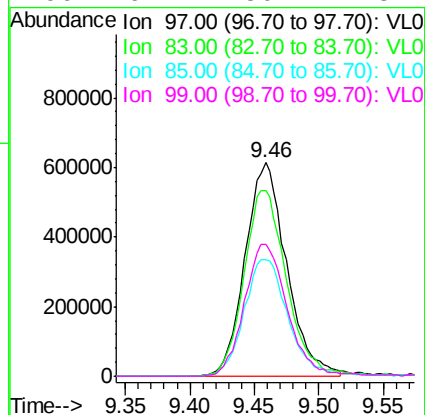
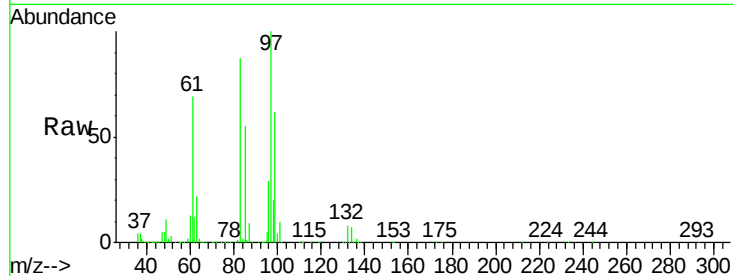


#47
 1,1,2-Trichloroethane
 Concen: 9.143 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tgt Ion: 97 Resp: 1376424

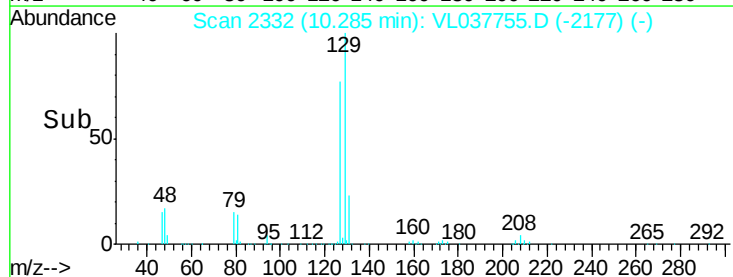
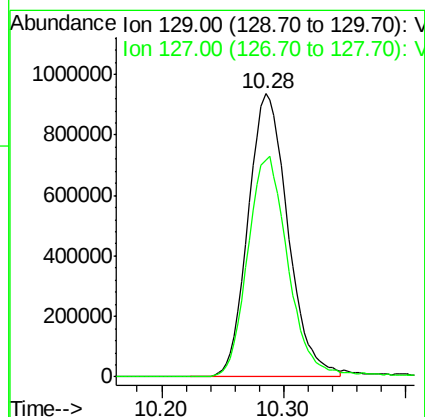
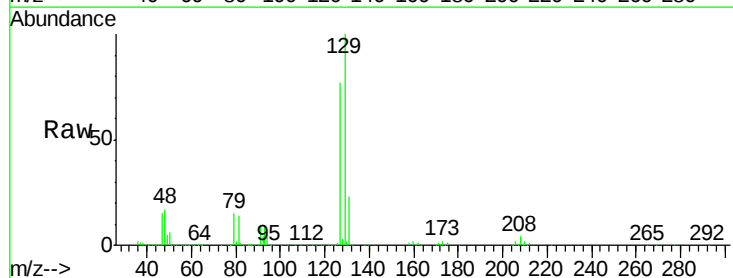
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.9	101.9
85	54.6	44.8	67.2
99	61.7	50.1	75.1

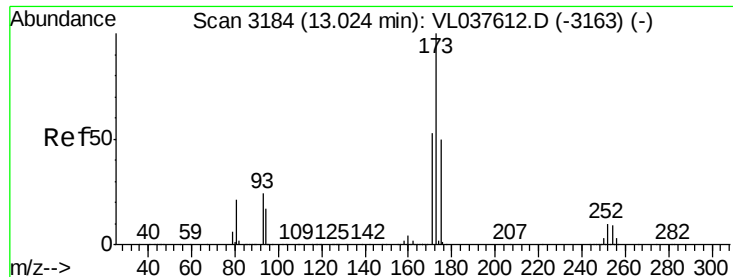


#48
 Dibromochloromethane
 Concen: 10.055 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 129 Resp: 2111860

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.8





#49

Bromoform

Concen: 9.756 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

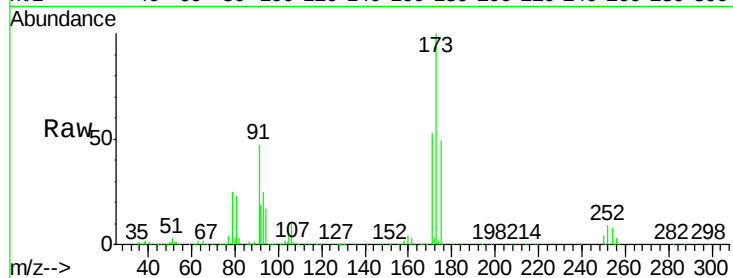
Tgt Ion:173 Resp: 1639885

Ion Ratio Lower Upper

173 100

175 50.5 39.8 59.8

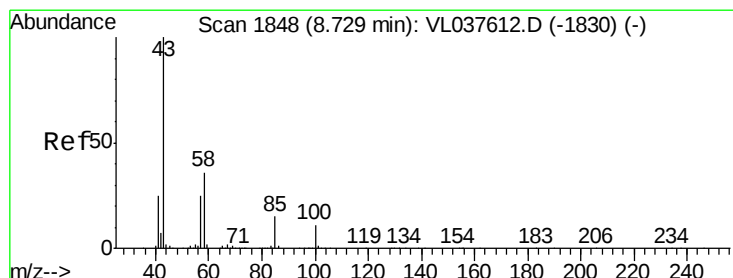
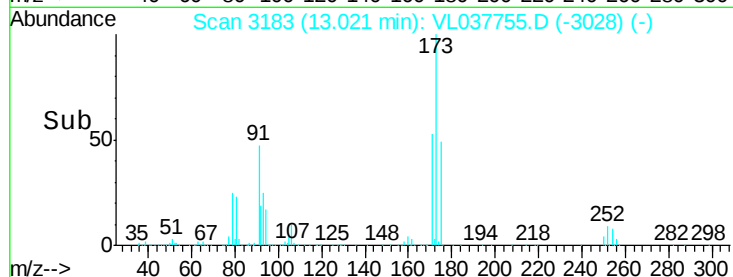
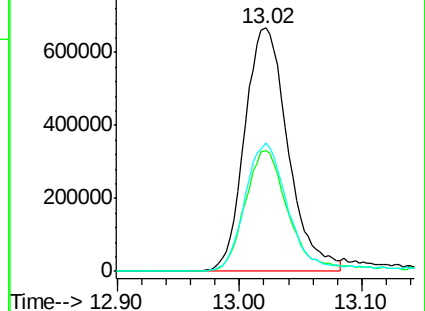
171 53.5 42.2 63.4



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: 10.140 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037755.D

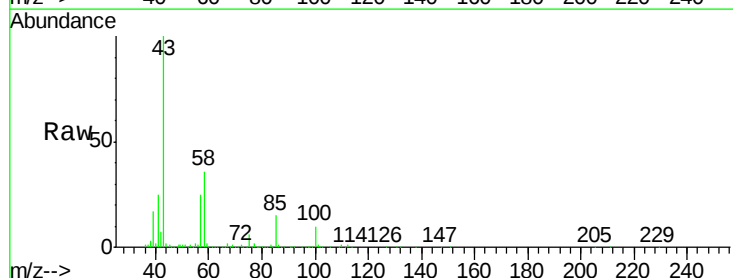
Acq: 1 Oct 2021 23:46

Tgt Ion: 43 Resp: 2228755

Ion Ratio Lower Upper

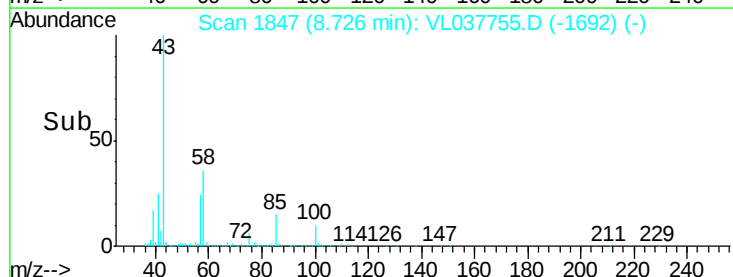
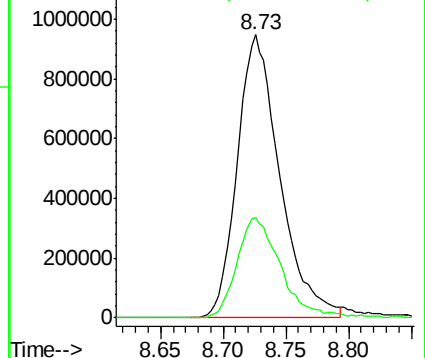
43 100

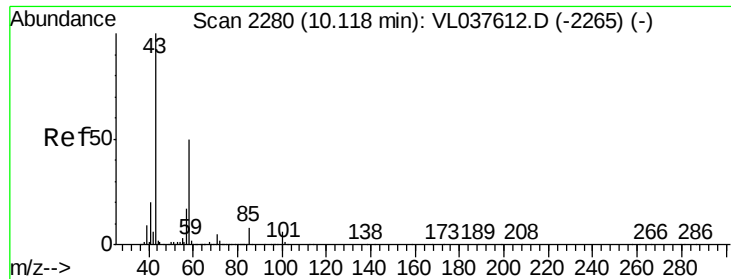
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

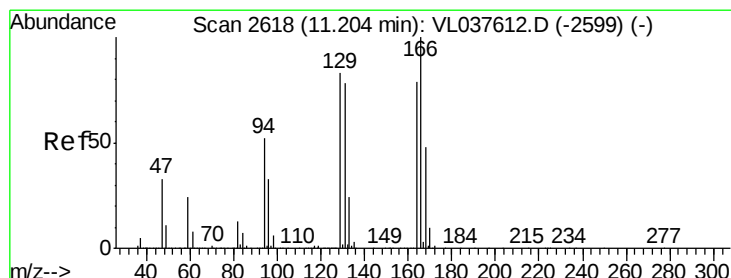
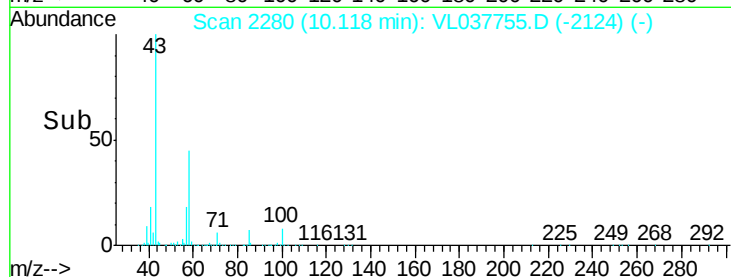
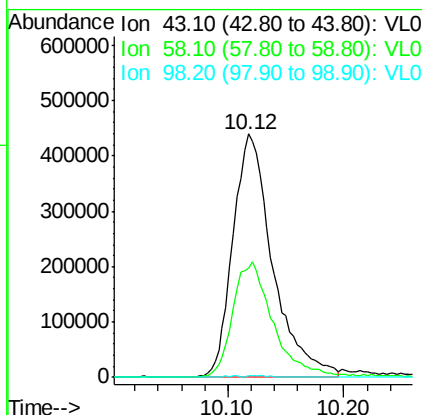
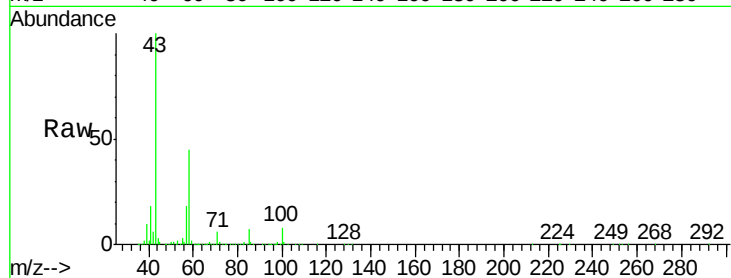




#51
2-Hexanone
Concen: 10.790 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

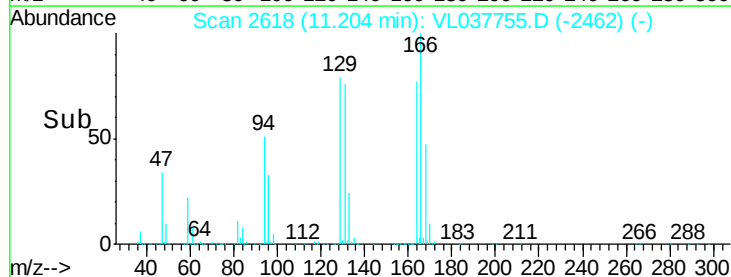
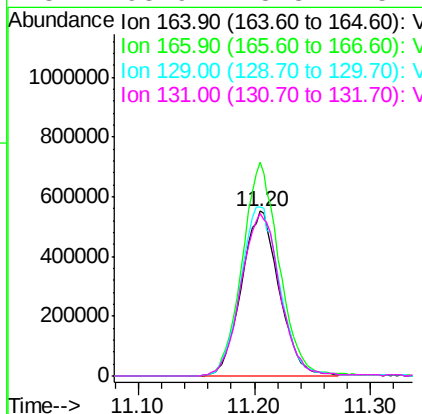
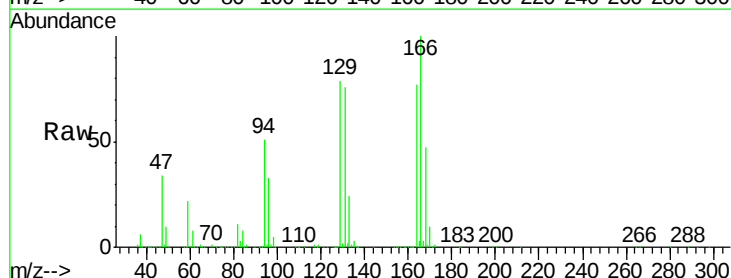
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

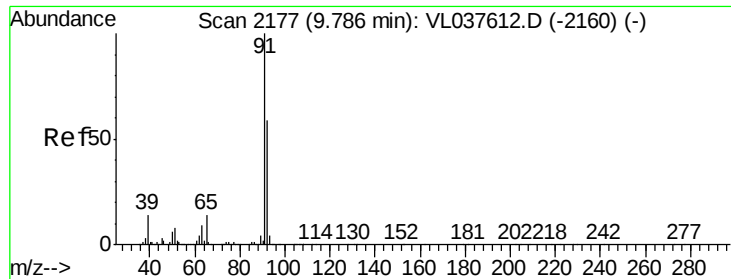
Tgt Ion: 43 Resp: 1046375
Ion Ratio Lower Upper
43 100
58 49.2 39.3 58.9
98 0.7 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.139 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 164 Resp: 1246712
Ion Ratio Lower Upper
164 100
166 129.6 101.2 151.8
129 102.8 84.0 126.0
131 98.9 78.8 118.2





#53

Toluene

Concen: 10.100 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

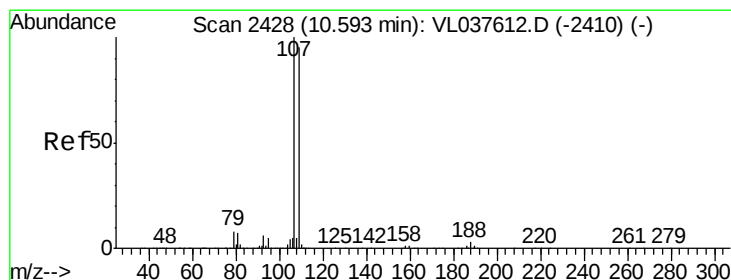
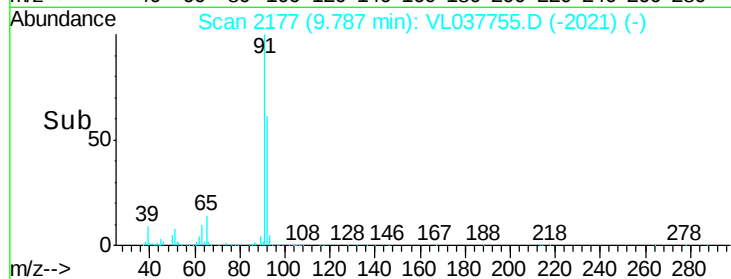
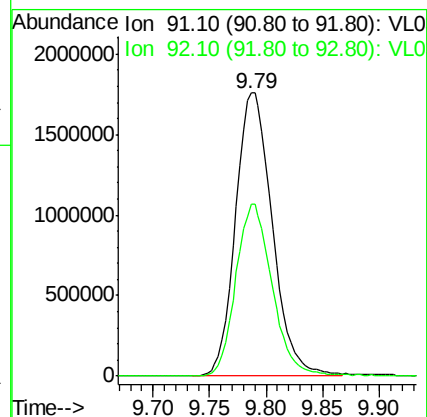
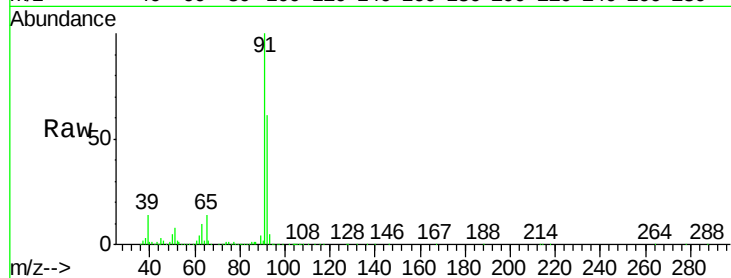
VL1001ABS01

Tgt Ion: 91 Resp: 3988970

Ion Ratio Lower Upper

91 100

92 60.4 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.509 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037755.D

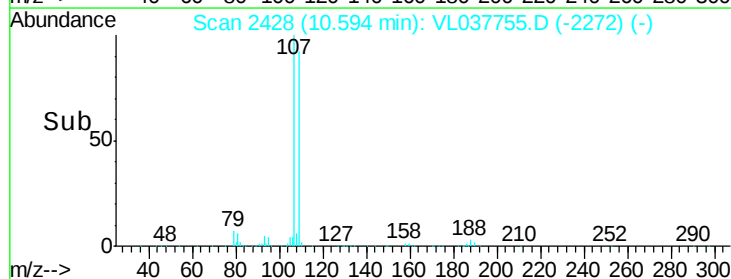
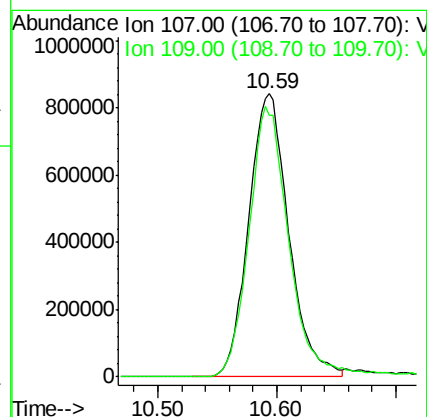
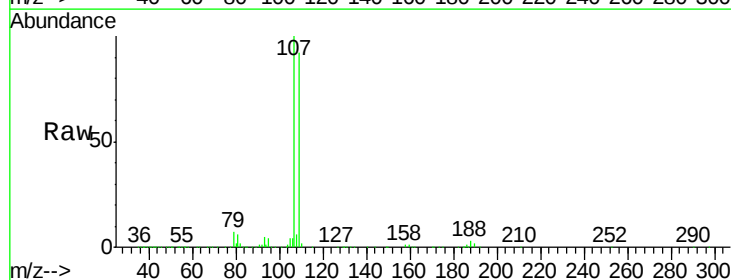
Acq: 1 Oct 2021 23:46

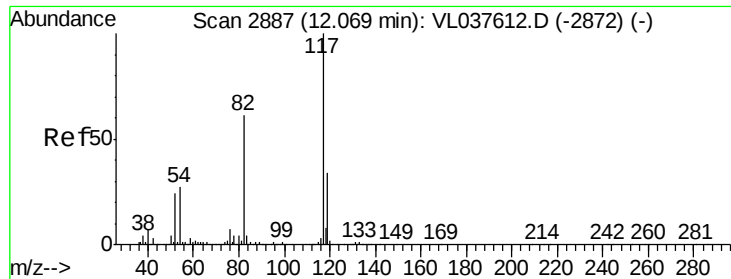
Tgt Ion: 107 Resp: 1960263

Ion Ratio Lower Upper

107 100

109 92.3 76.0 114.0

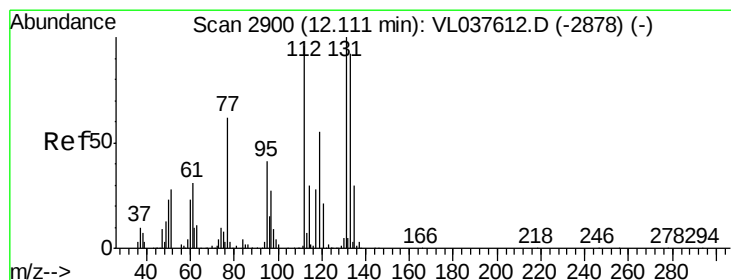
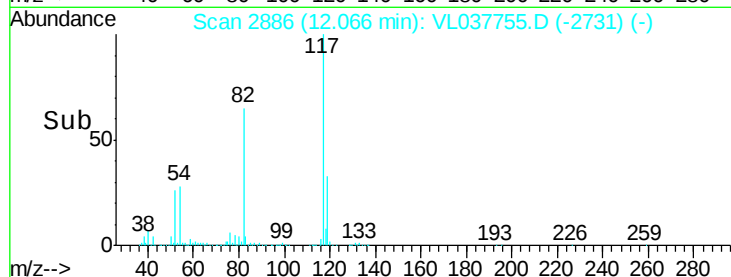
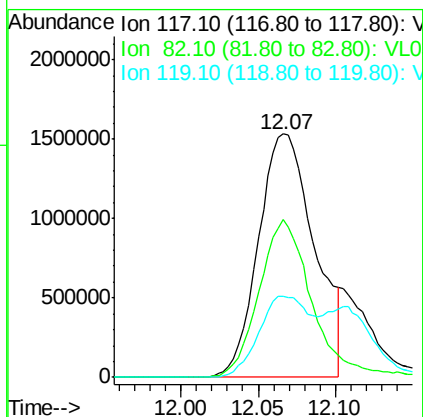
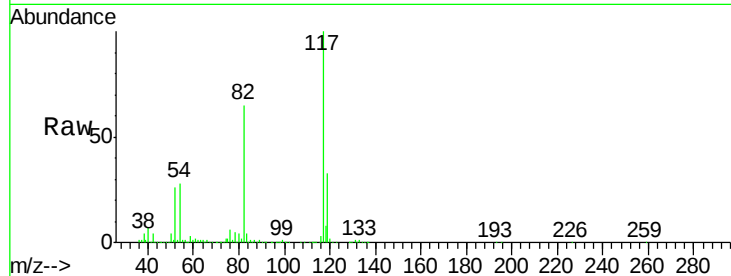




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

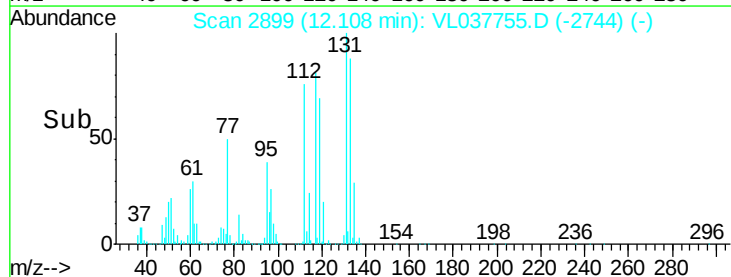
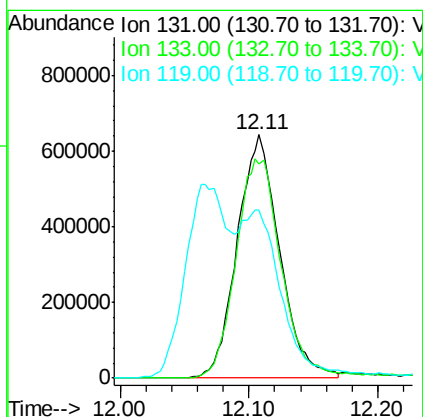
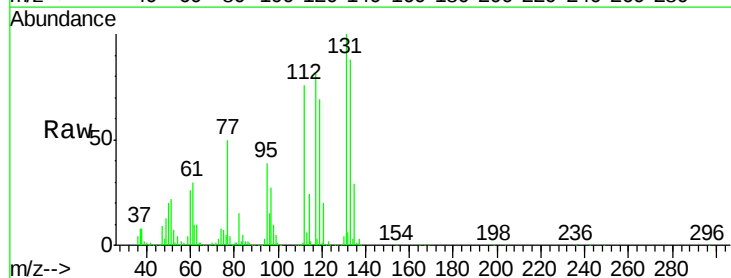
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

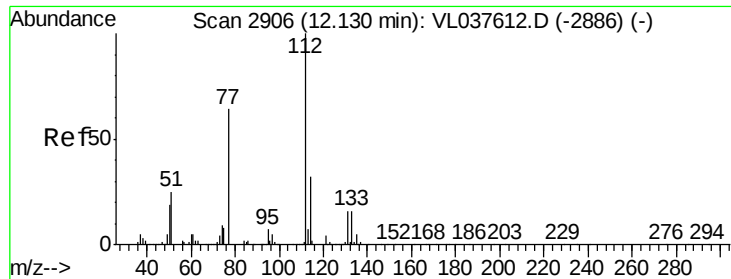
Tgt Ion:117 Resp: 3861038
Ion Ratio Lower Upper
117 100
82 63.2 50.6 75.8
119 58.7 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.149 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion:131 Resp: 1465202
Ion Ratio Lower Upper
131 100
133 99.1 76.8 115.2
119 154.6 47.8 71.8#

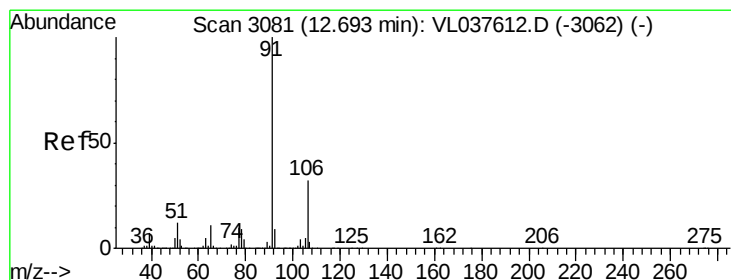
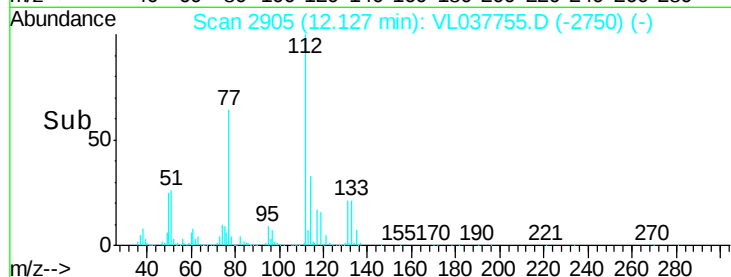
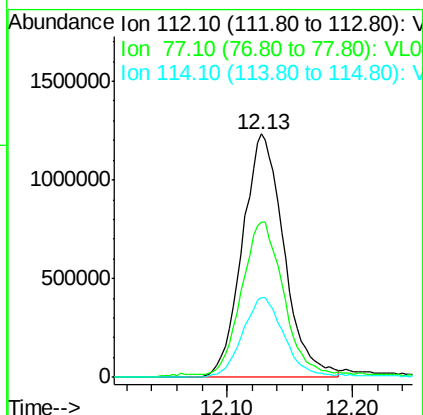
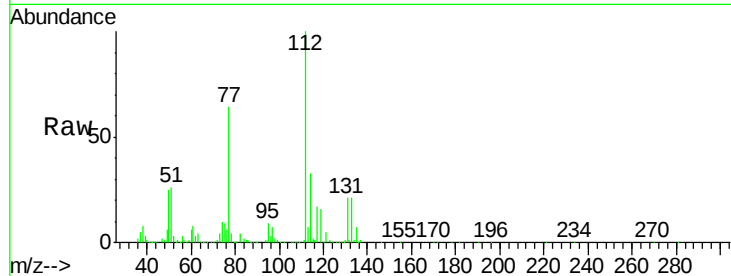




#57
Chlorobenzene
Concen: 8.855 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

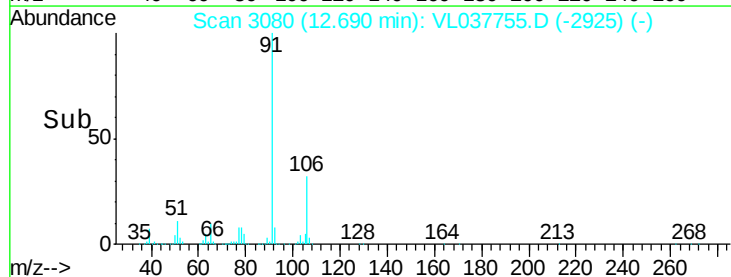
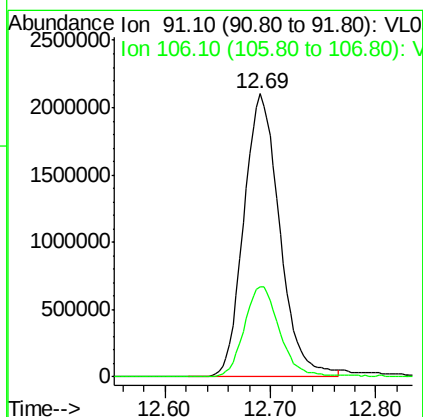
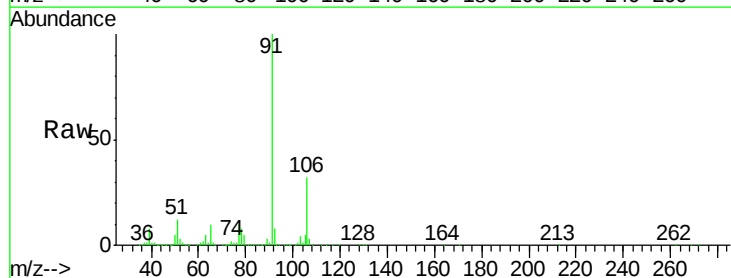
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

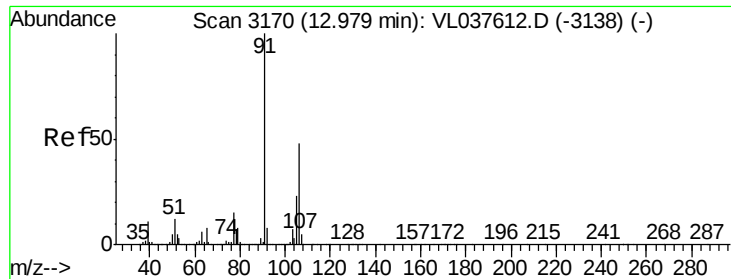
Tgt Ion: 112 Resp: 2842218
Ion Ratio Lower Upper
112 100
77 62.7 52.1 78.1
114 32.8 29.2 35.6



#58
Ethyl Benzene
Concen: 9.730 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 91 Resp: 4986756
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9

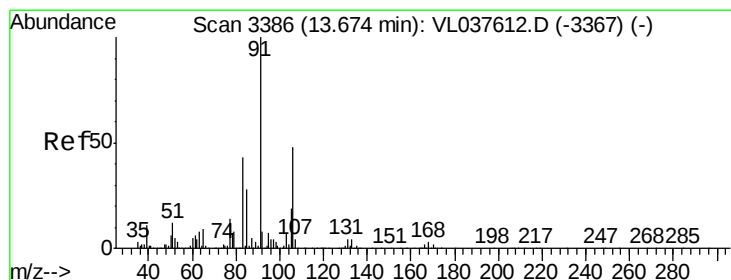
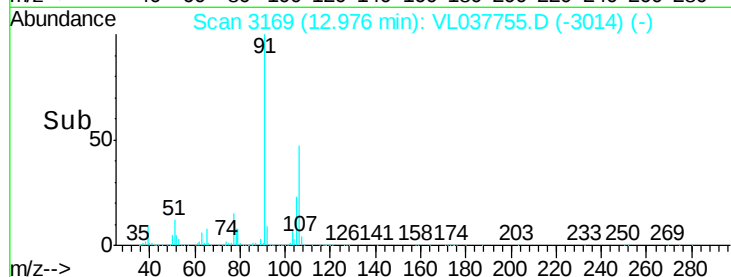
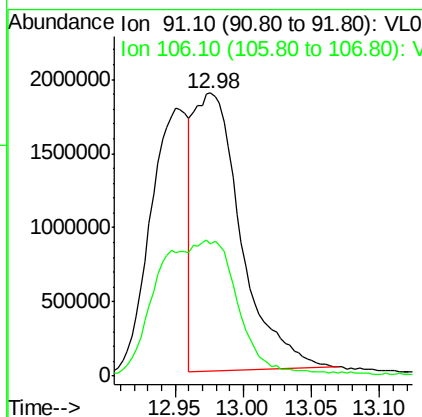
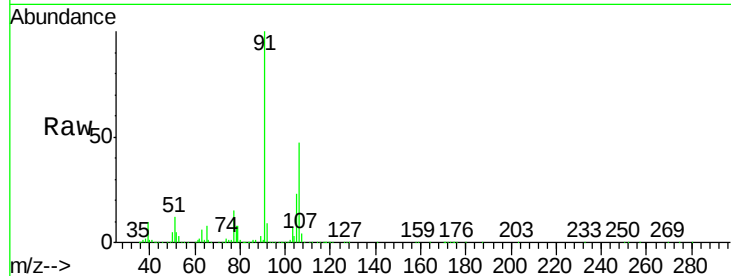




#59
m/p-Xylene
Concen: 10.092 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

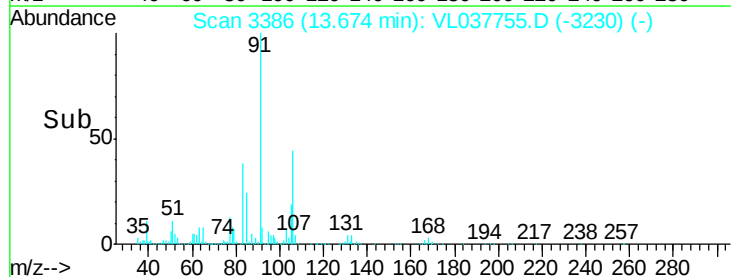
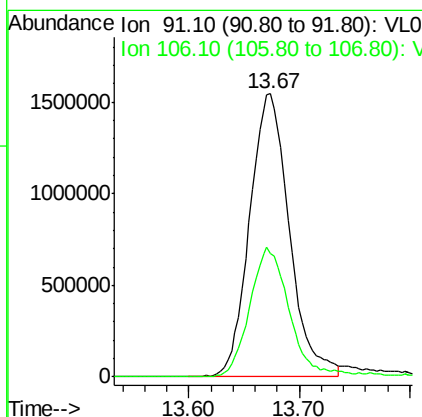
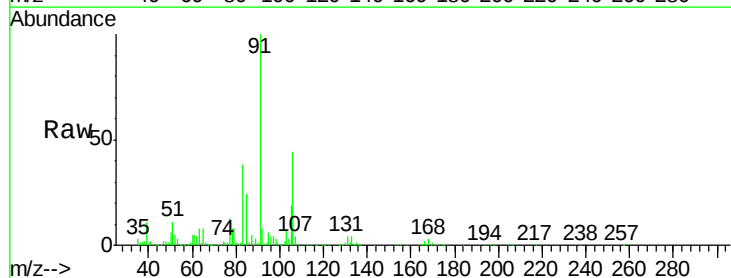
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

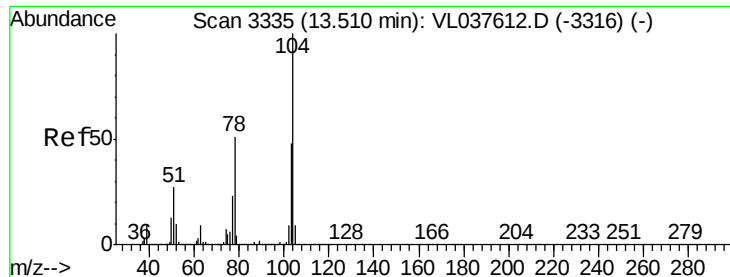
Tgt Ion: 91 Resp: 4507597
Ion Ratio Lower Upper
91 100
106 86.1 36.6 55.0#



#60
o-Xylene
Concen: 9.053 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 91 Resp: 3848674
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





#61

Styrene

Concen: 10.311 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

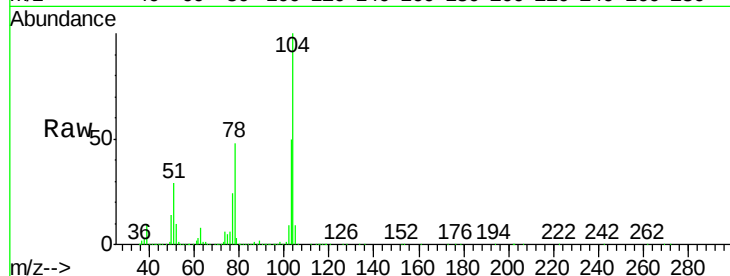
Tgt Ion:104 Resp: 2161422

Ion Ratio Lower Upper

104 100

78 50.8 39.7 59.5

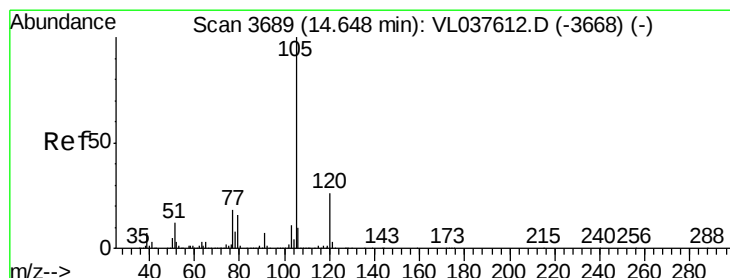
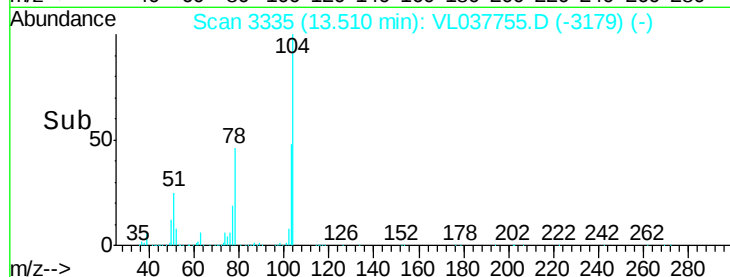
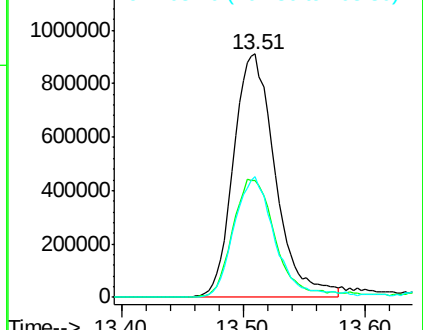
103 49.6 38.8 58.2



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: 8.962 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VL037755.D

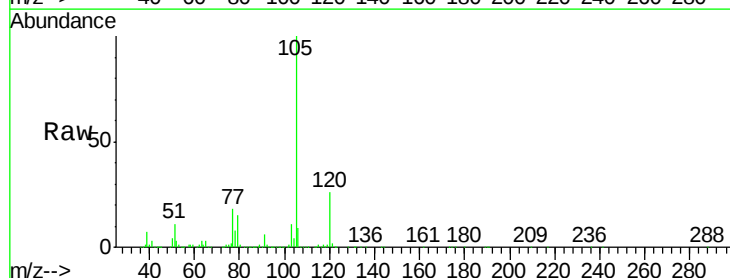
Acq: 1 Oct 2021 23:46

Tgt Ion:105 Resp: 5322494

Ion Ratio Lower Upper

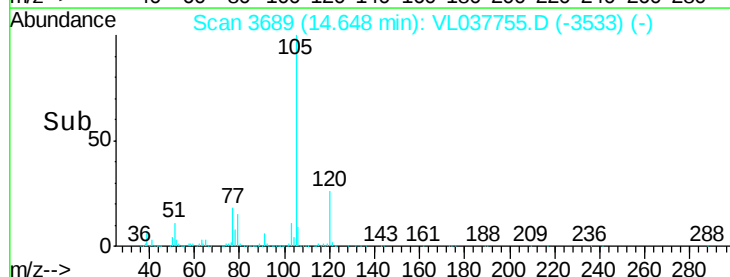
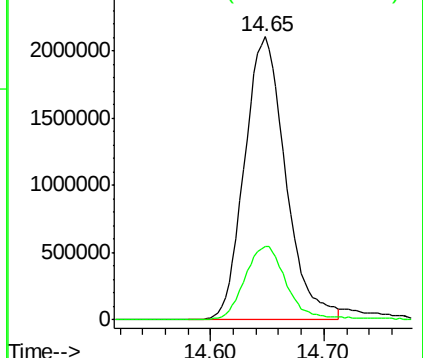
105 100

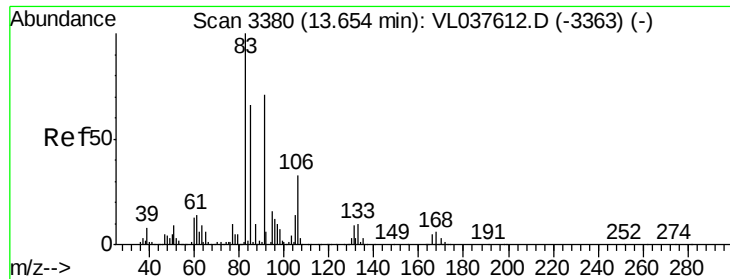
120 27.1 21.4 32.0



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: 8.163 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

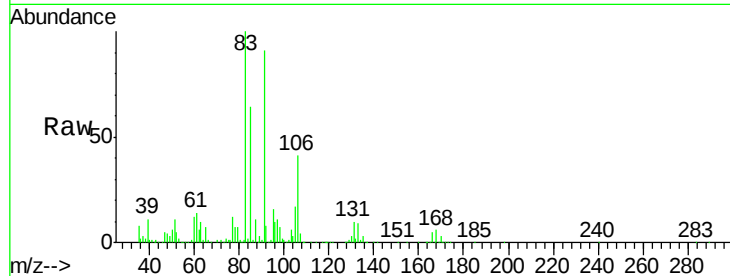
Tgt Ion: 83 Resp: 2715914

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

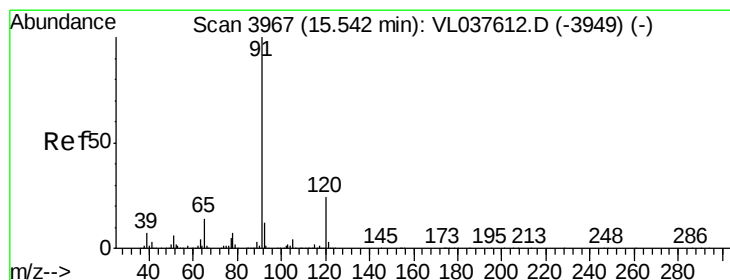
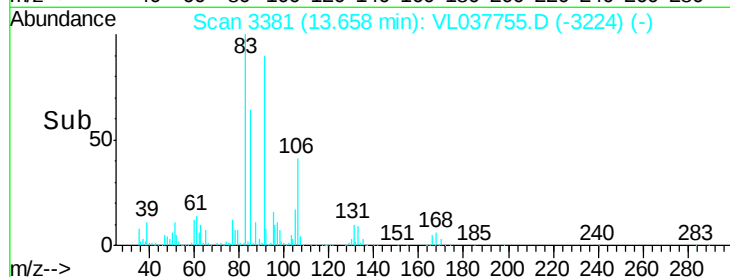
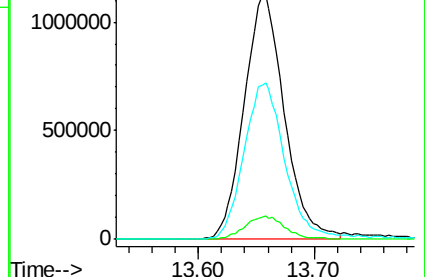
85 67.2 33.3 99.9



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



#64

n-propylbenzene

Concen: 9.145 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037755.D

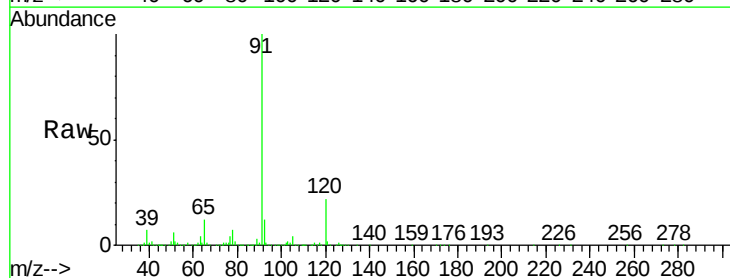
Acq: 1 Oct 2021 23:46

Tgt Ion: 120 Resp: 1401420

Ion Ratio Lower Upper

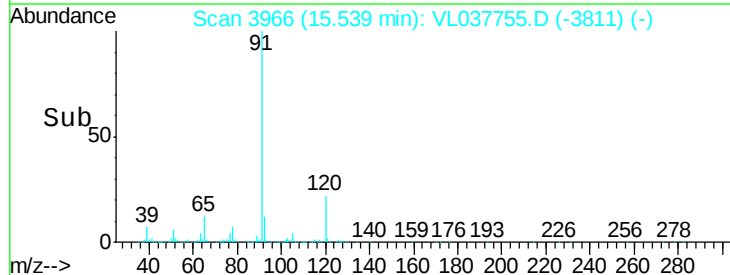
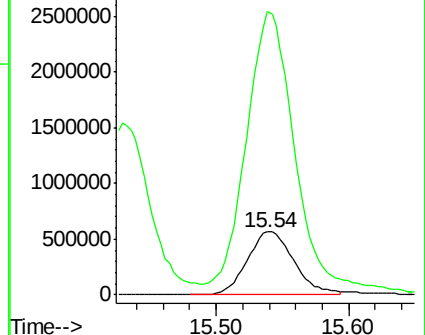
120 100

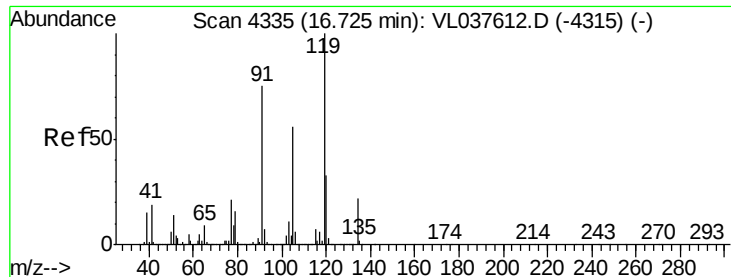
91 477.3 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

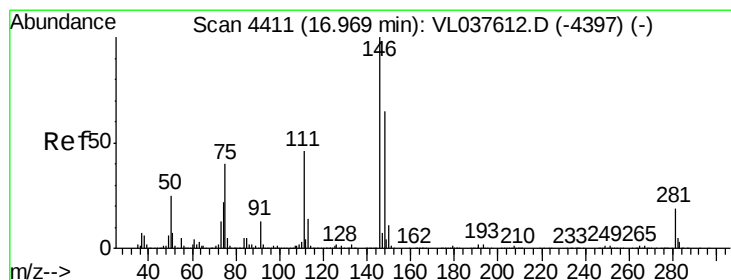
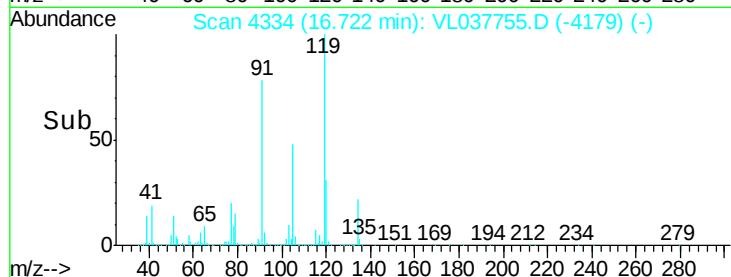
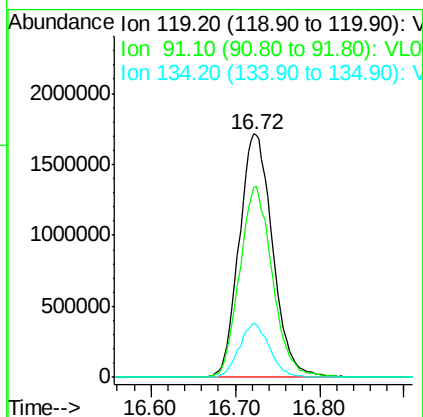
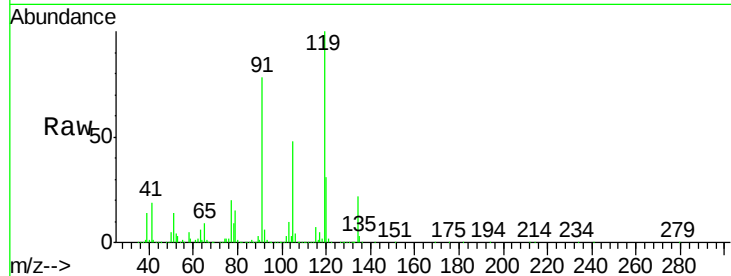




#65
tert-Butylbenzene
Concen: 8.845 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

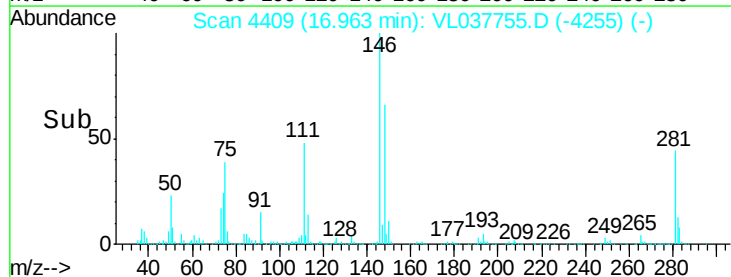
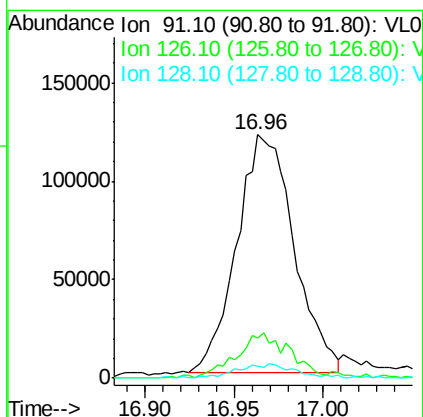
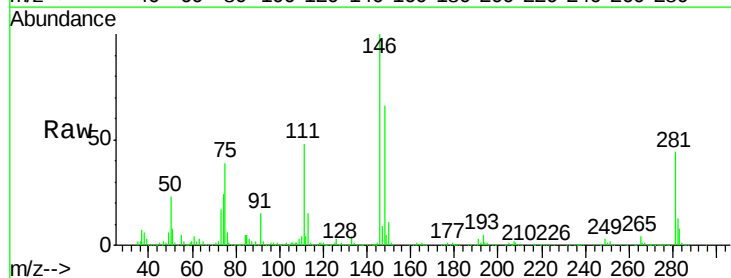
Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

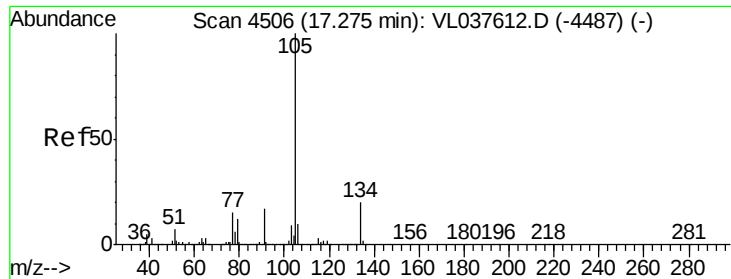
Tgt Ion: 119 Resp: 4735938
Ion Ratio Lower Upper
119 100
91 77.0 61.9 92.9
134 20.3 16.5 24.7



#66
Benzyl Chloride
Concen: 9.261 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 91 Resp: 270998
Ion Ratio Lower Upper
91 100
126 19.2 14.4 21.6
128 6.1 5.7 8.5

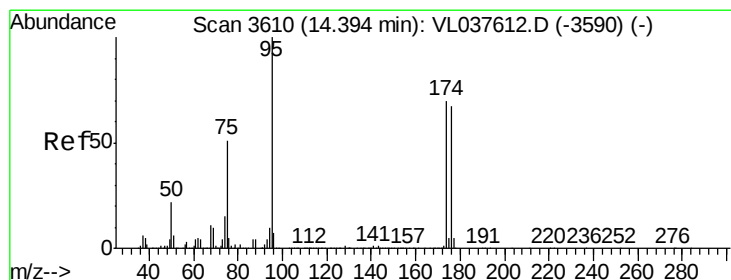
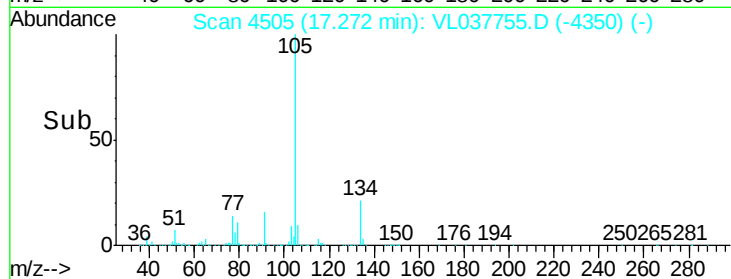
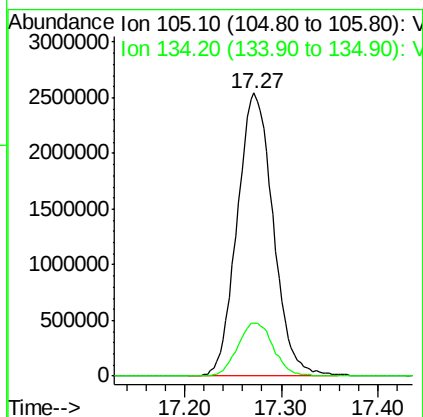
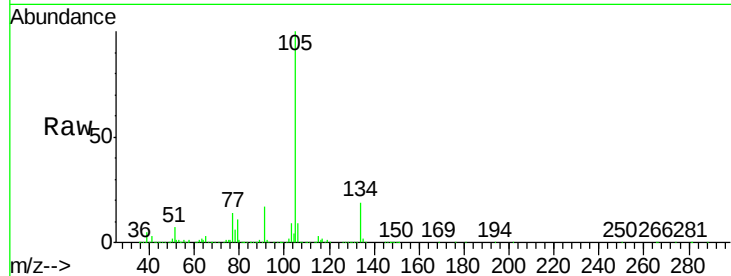




#67
 sec-Butylbenzene
 Concen: 9.039 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

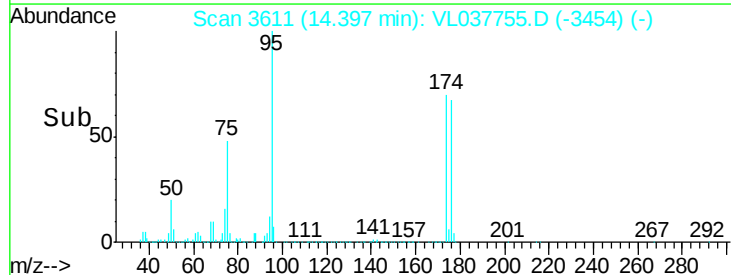
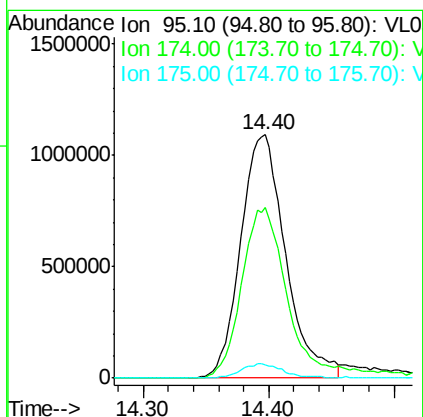
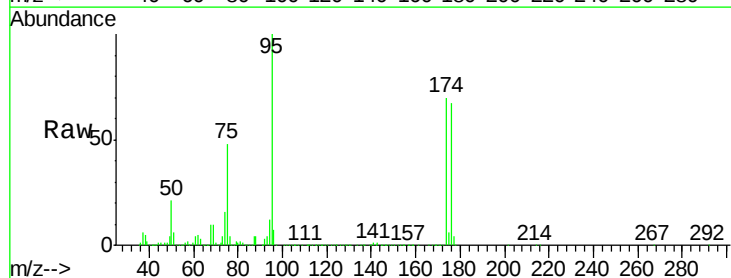
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

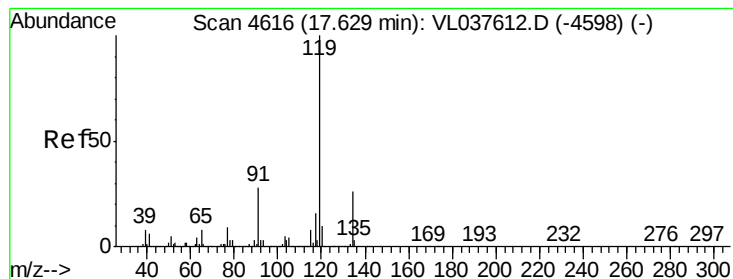
Tgt Ion: 105 Resp: 6566711
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.707 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 95 Resp: 2708513
 Ion Ratio Lower Upper
 95 100
 174 74.9 56.3 84.5
 175 6.0 4.4 6.6





#69

p-Isopropyltoluene

Concen: 9.256 ppbv

RT: 17.63 min Scan# 4617

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

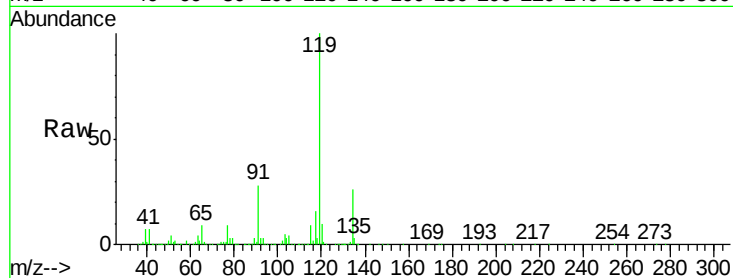
Tgt Ion:119 Resp: 5493580

Ion Ratio Lower Upper

119 100

134 26.5 21.2 31.8

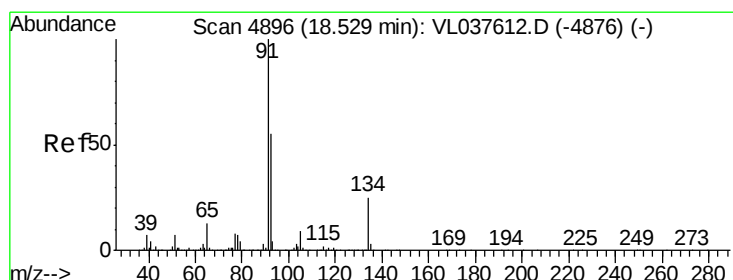
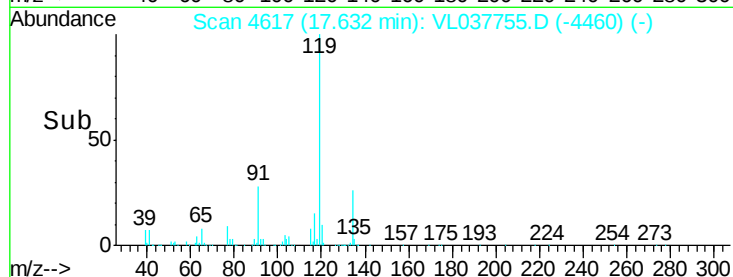
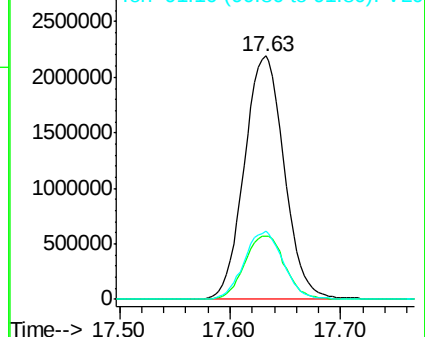
91 27.6 22.2 33.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.641 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

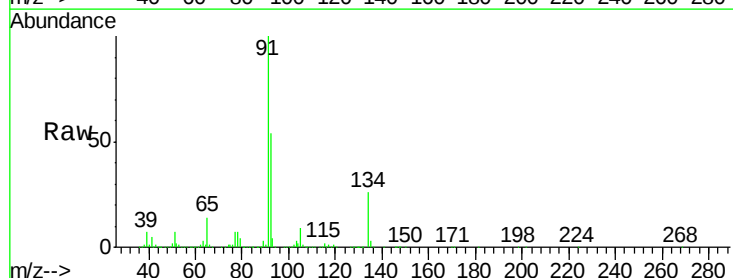
Tgt Ion: 91 Resp: 5414106

Ion Ratio Lower Upper

91 100

92 54.5 44.0 66.0

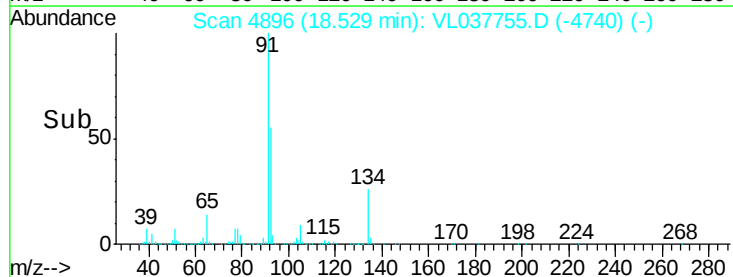
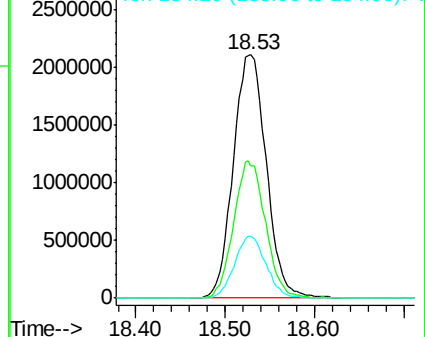
134 24.4 19.5 29.3

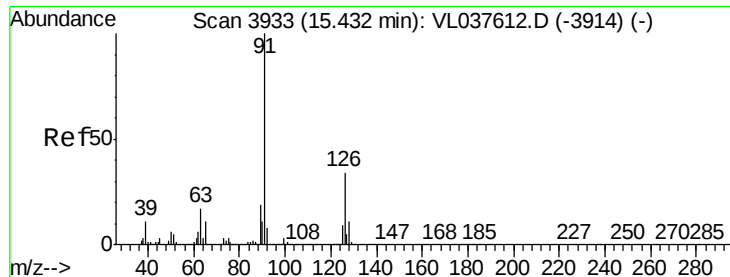


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.071 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

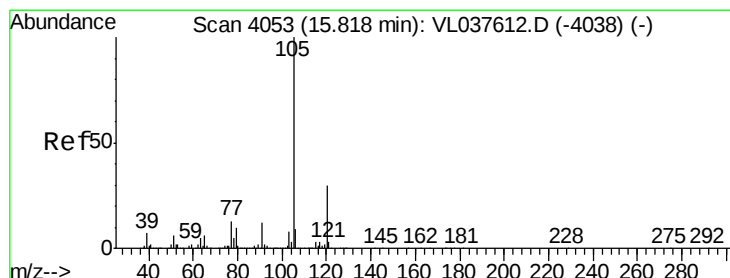
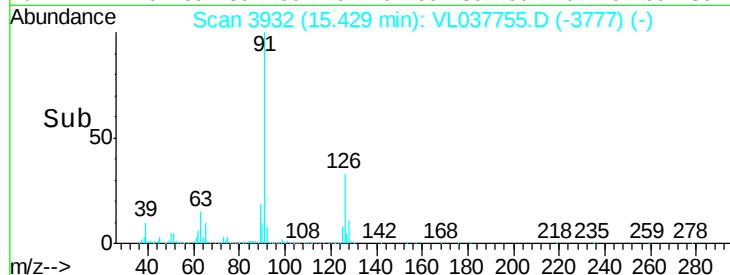
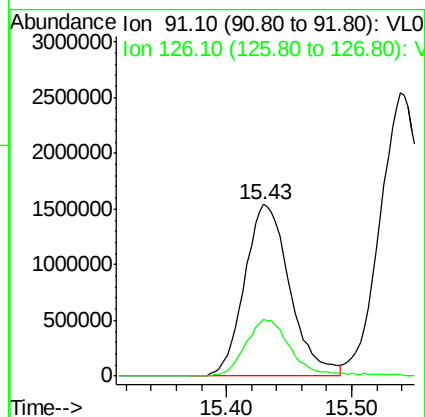
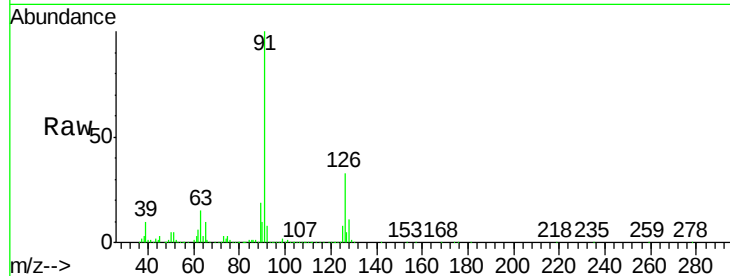
VL1001ABS01

Tgt Ion: 91 Resp: 3860428

Ion Ratio Lower Upper

91 100

126 34.0 13.2 52.8



#72

4-Ethyltoluene

Concen: 9.572 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 105 Resp: 4671066

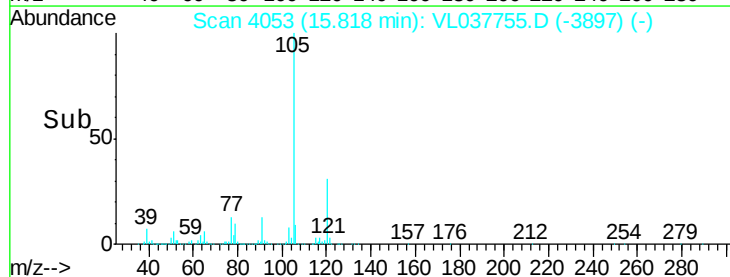
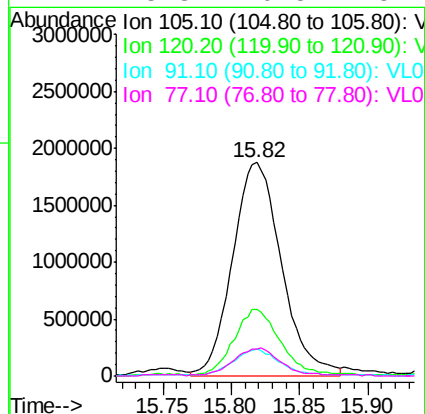
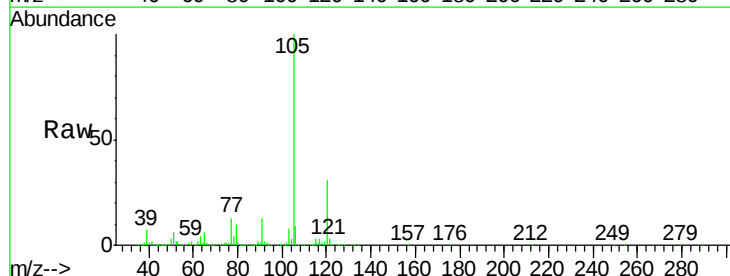
Ion Ratio Lower Upper

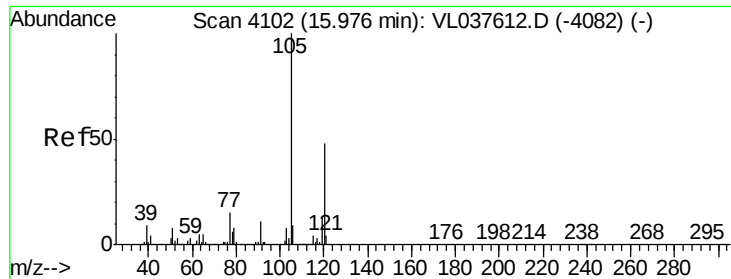
105 100

120 30.5 24.7 37.1

91 11.7 9.9 14.9

77 13.3 10.5 15.7

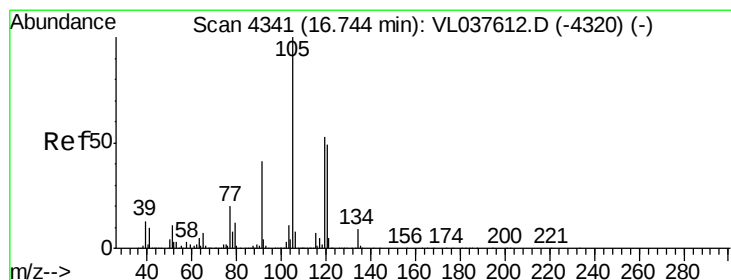
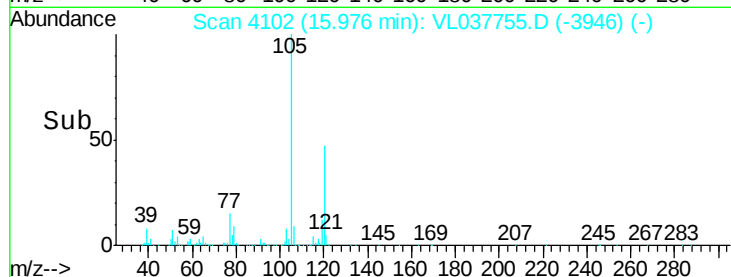
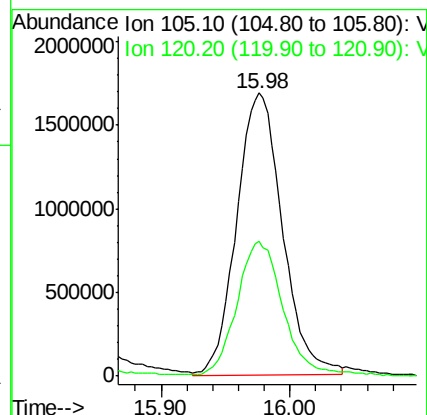
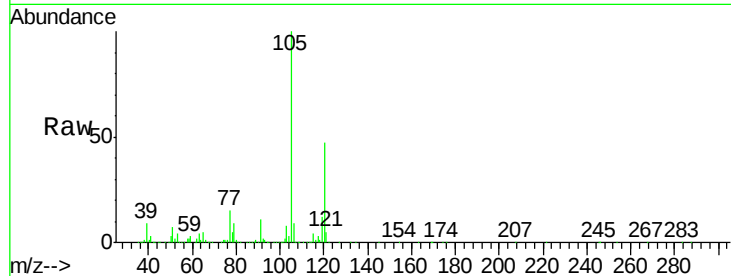




#73
 1,3,5-Trimethylbenzene
 Concen: 9.176 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

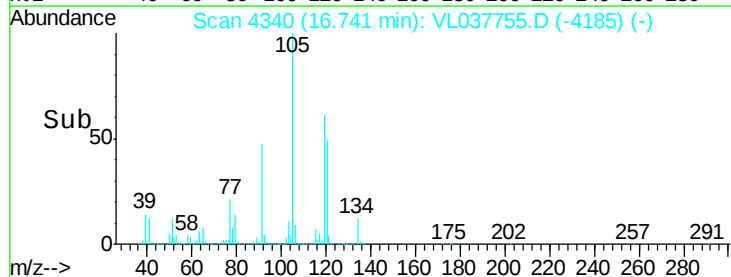
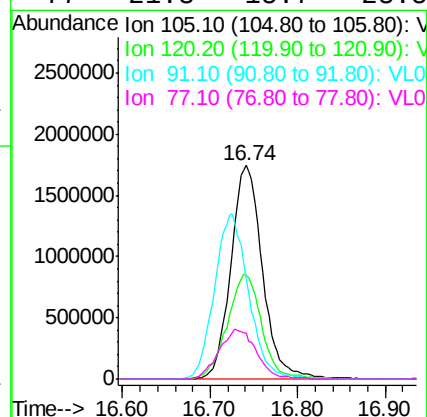
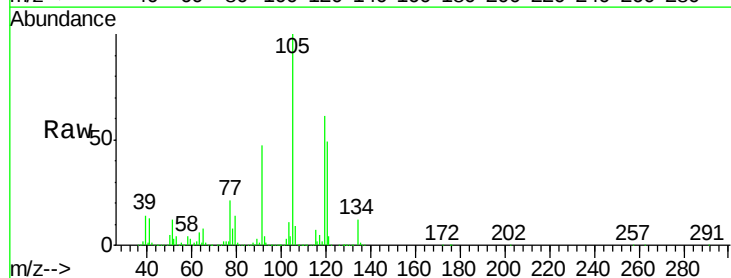
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

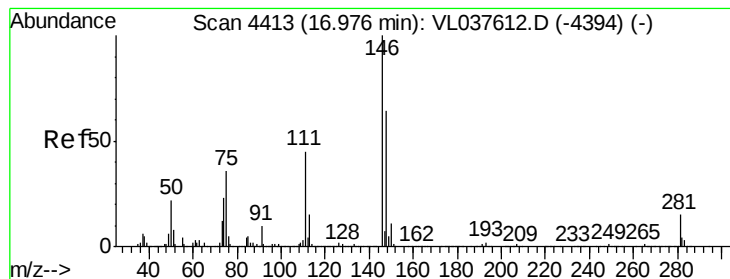
Tgt Ion:105 Resp: 4173944
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 9.090 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion:105 Resp: 4355203
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.4 59.0
 91 46.4 33.3 49.9
 77 21.3 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 8.716 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

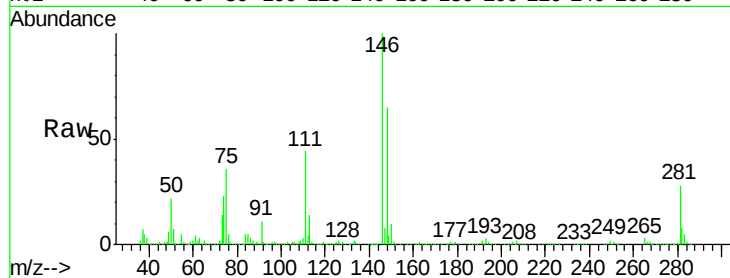
Tgt Ion:146 Resp: 2594336

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.3

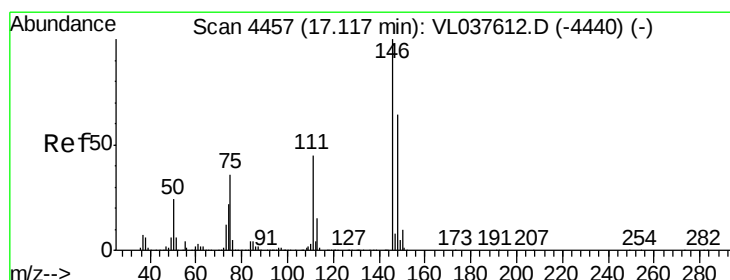
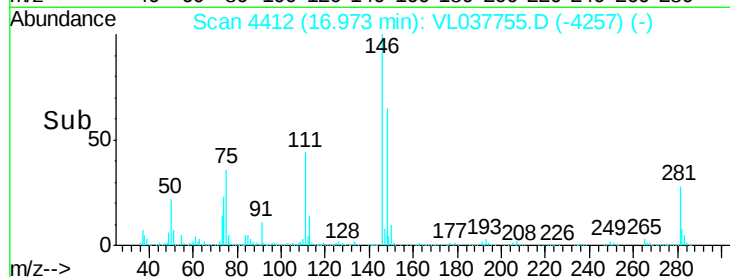
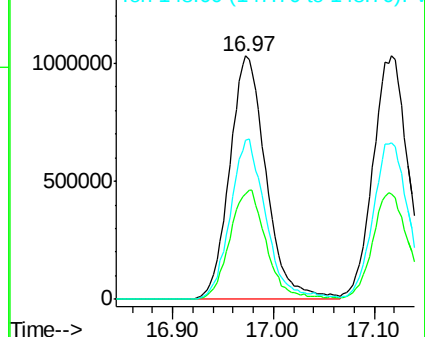
148 64.4 32.1 96.5



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: 8.507 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

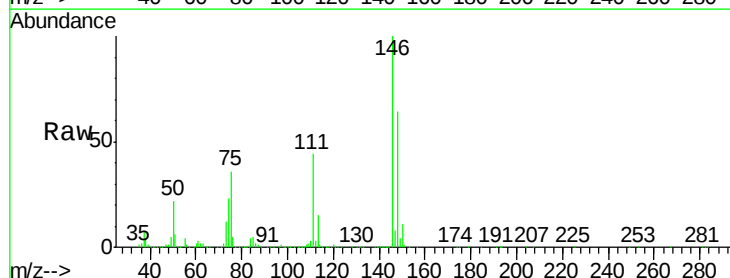
Tgt Ion:146 Resp: 2497641

Ion Ratio Lower Upper

146 100

111 45.9 22.5 67.5

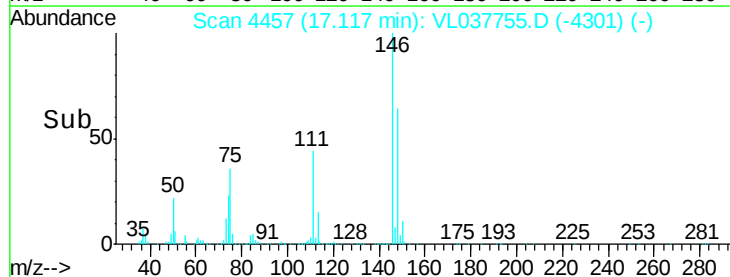
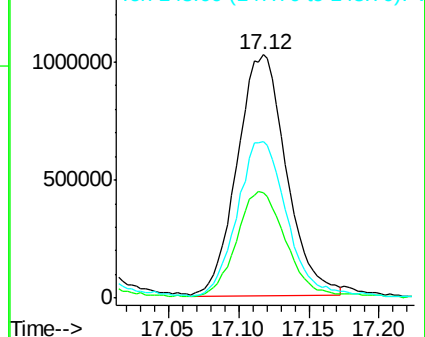
148 67.2 32.9 98.6

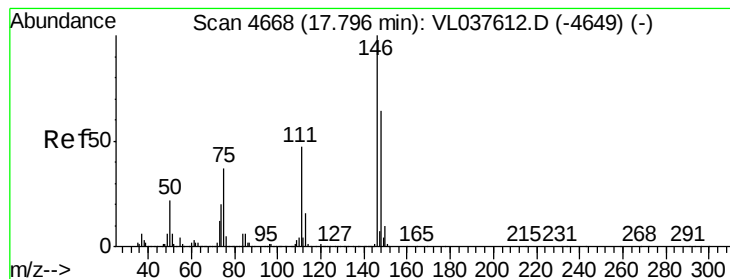


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.831 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

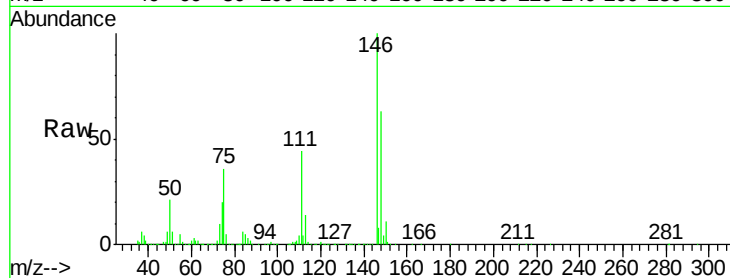
Tgt Ion:146 Resp: 2493129

Ion Ratio Lower Upper

146 100

111 46.9 24.0 72.0

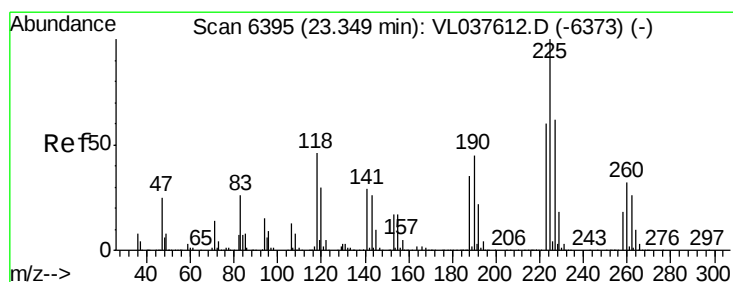
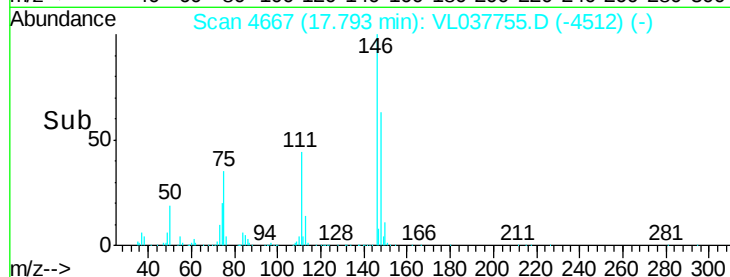
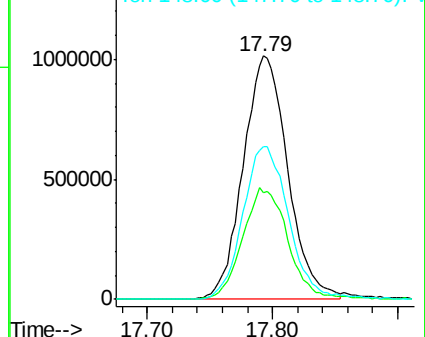
148 65.1 32.8 98.3



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: 8.587 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

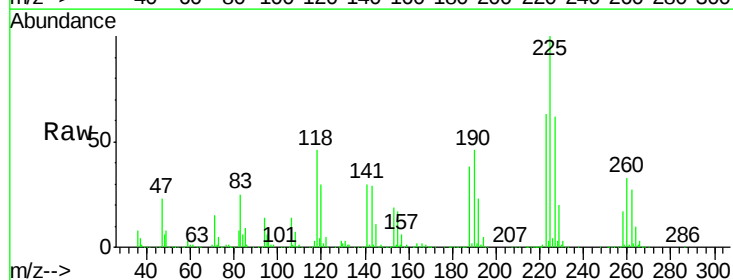
Tgt Ion:225 Resp: 2040519

Ion Ratio Lower Upper

225 100

223 63.4 51.1 76.7

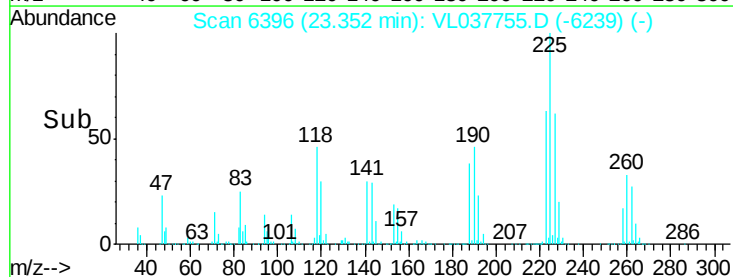
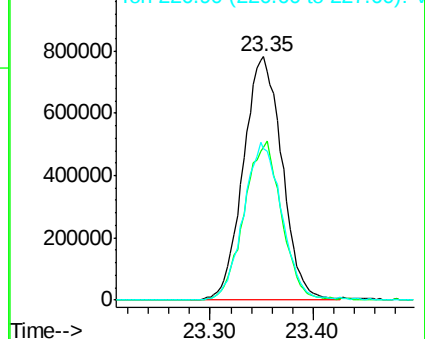
227 64.3 52.2 78.4

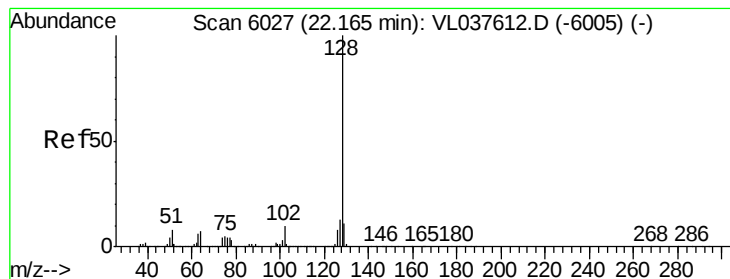


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.145 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

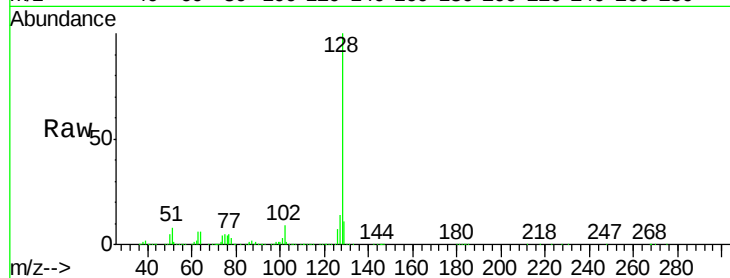
Tgt Ion:128 Resp: 3572835

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

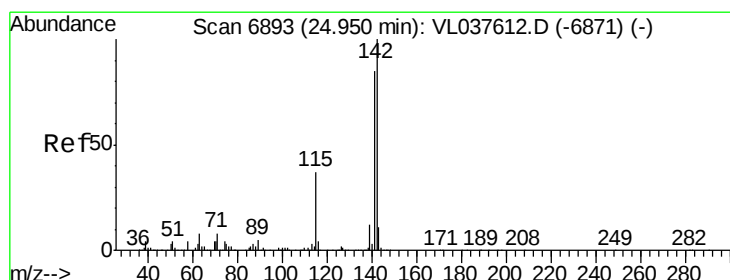
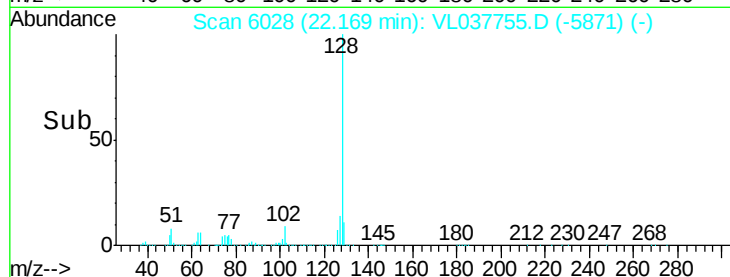
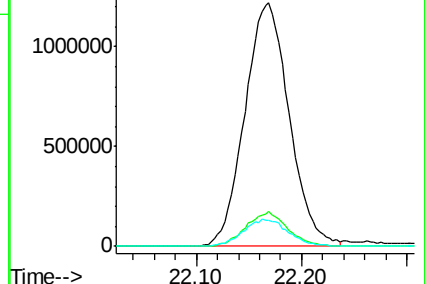
129 10.5 8.6 12.8



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: 13.662 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

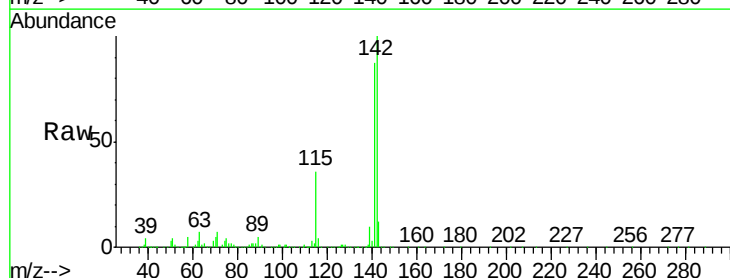
Tgt Ion:142 Resp: 918660

Ion Ratio Lower Upper

142 100

141 88.7 70.9 106.3

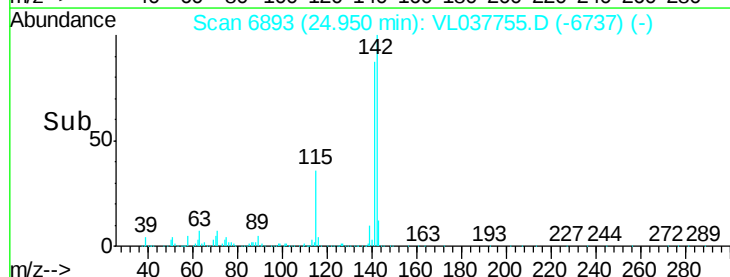
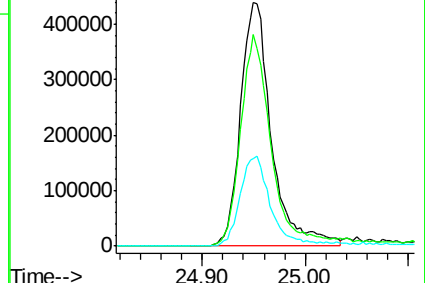
115 37.4 29.6 44.4

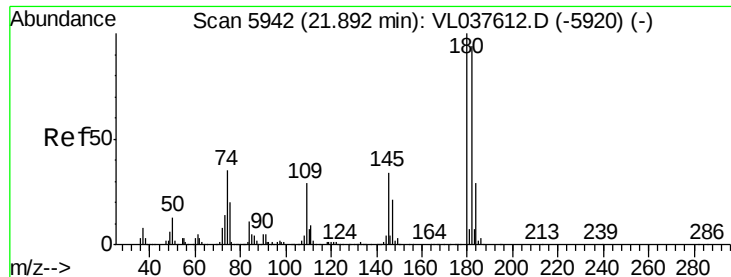


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

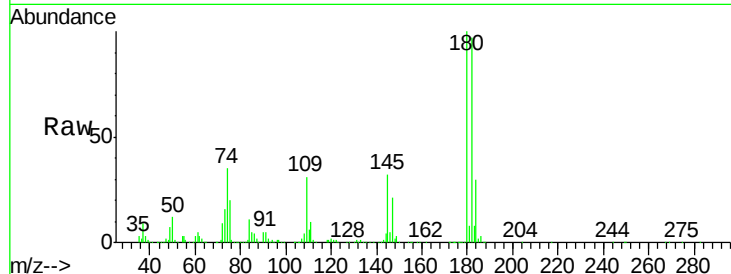




#81
 1,2,4-Trichlorobenzene
 Concen: 10.990 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tgt Ion:180 Resp: 2075726
 Ion Ratio Lower Upper
 180 100
 182 99.4 78.9 118.3
 184 31.3 24.7 37.1



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

