

Data File : VL038047.D

Acq On : 18 Nov 2021 9:27

Operator : SY/AP

Sample : VSTDICC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Quant Time: Nov 18 10:38:46 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 10:39:10 2021

QLast Update : Thu Nov 18 10:39:10 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	942219	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2794807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2575159	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1801247	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	287047	1.498	ppbv	95
3) Chlorodifluoromethane	2.99	51	416047	1.699	ppbv	98
4) Chloromethane	3.15	50	145532	1.670	ppbv	100
5) Vinyl Chloride	3.26	62	138228	1.652	ppbv	97
6) Bromomethane	3.48	94	70751	1.582	ppbv	94
7) Chloroethane	3.56	64	40426	1.374	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	328912	1.657	ppbv	100
9) Propene	3.02	41	153616	1.663	ppbv	98
10) Heptane	8.12	43	389693	1.714	ppbv	99
11) Trichlorofluoromethane	3.95	101	303052	1.600	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	222512	1.516	ppbv	100
13) Ethanol	3.61	45	6852	0.837	ppbv #	32
14) Bromoethene	3.74	108	92189	1.502	ppbv #	92
15) Acetone	3.86	43	168496	1.521	ppbv	95
16) 1,3-Butadiene	3.33	39	132385	1.614	ppbv	99
17) tert-Butyl alcohol	4.29	59	177820	1.195	ppbv	95
18) 1,1-Dichloroethene	4.29	96	99766	1.473	ppbv	92
19) Isopropyl Alcohol	3.97	45	36797	0.454	ppbv #	85
20) Methylene Chloride	4.35	84	91422	1.407	ppbv	98
21) Allyl Chloride	4.41	41	154883	1.397	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	98781	1.445	ppbv	99
23) Vinyl Acetate	5.07	43	232451	1.267	ppbv	98
24) 1,1-Dichloroethane	5.01	63	201619	1.409	ppbv	99
25) Ethyl Acetate	5.68	43	586757	2.252	ppbv	100
26) Hexane	5.69	57	280779	2.145	ppbv	99
27) Carbon Disulfide	4.55	76	243247	1.417	ppbv #	91
28) Methyl tert-Butyl Ether	5.04	73	237832	1.417	ppbv	99
29) Chloroform	5.75	83	416332	2.111	ppbv	99
30) Cyclohexane	7.12	84	250434	1.699	ppbv	90
31) cis-1,2-Dichloroethene	5.55	61	265695	2.451	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	416237	1.664	ppbv	99
34) 2-Butanone	5.25	43	239770	2.601	ppbv	98
35) Carbon Tetrachloride	7.01	117	424824	2.199	ppbv	94
36) Benzene	6.89	78	596276	2.243	ppbv	99
37) 1,2-Dichloroethane	6.30	62	287309	2.328	ppbv	100
38) Trichloroethene	7.83	130	216465	2.004	ppbv	98
39) 1,2-Dichloropropane	7.61	63	226433	2.203	ppbv	94
40) 1,4-Dioxane	7.85	88	57986	2.188	ppbv #	1
41) Tetrahydrofuran	6.06	42	137788	2.083	ppbv	97
42) Bromodichloromethane	7.79	83	443963	2.285	ppbv	99
43) Methyl Methacrylate	8.01	69	202220	2.132	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 10:39:10 2021

QLast Update : Thu Nov 18 10:39:10 2021

Response via : Initial Calibration

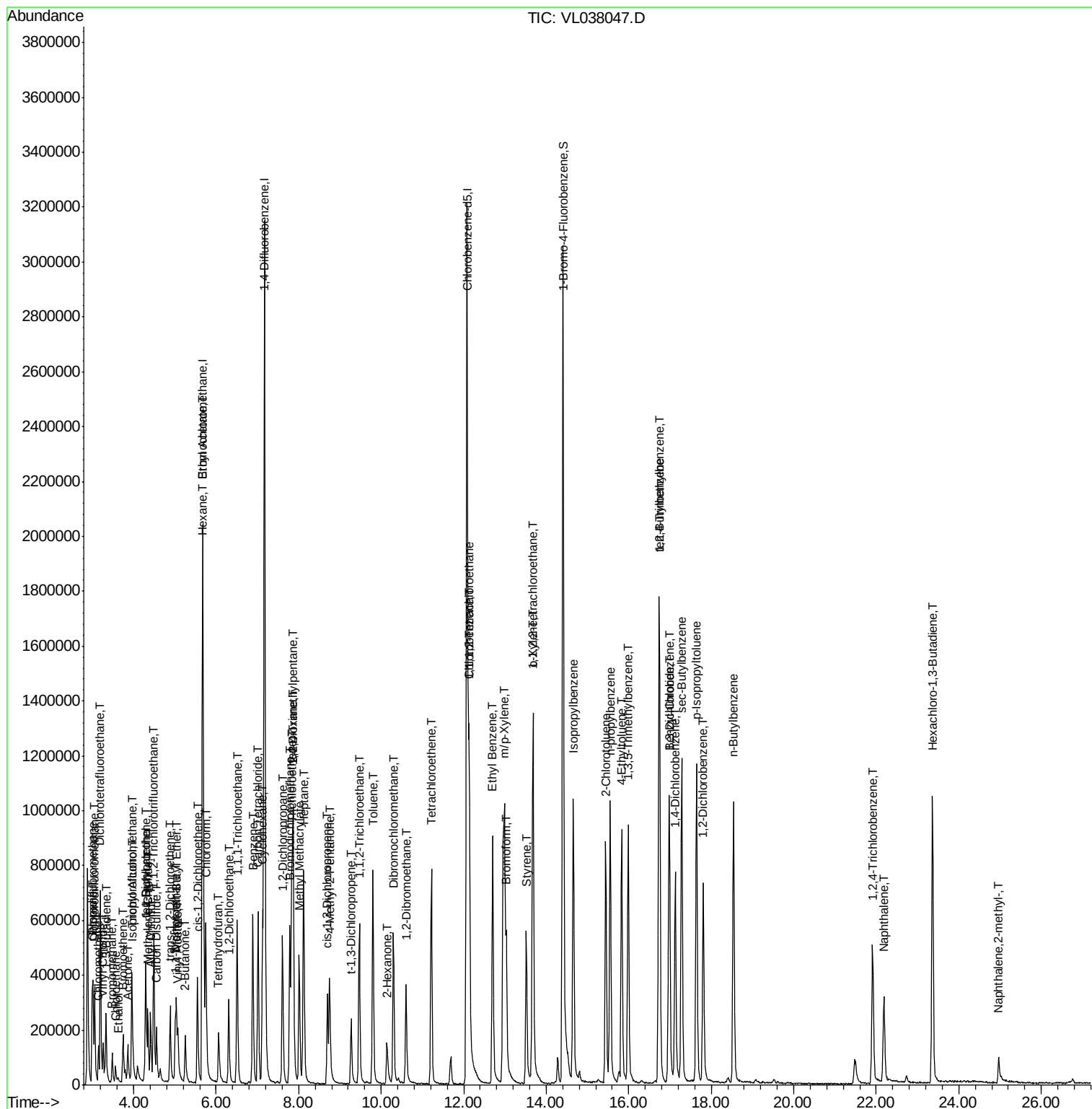
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1038278	2.273	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	158433	2.017	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	221481	2.158	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	240912	2.308	ppbv	98
48) Dibromochloromethane	10.30	129	377266	2.223	ppbv	99
49) Bromoform	13.03	173	279105	2.131	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	360959	2.172	ppbv	95
51) 2-Hexanone	10.14	43	159687	2.057	ppbv #	95
52) Tetrachloroethene	11.21	164	211602	2.108	ppbv	99
53) Toluene	9.80	91	698655	2.247	ppbv	99
54) 1,2-Dibromoethane	10.60	107	339012	2.318	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	259575	2.309	ppbv #	1
57) Chlorobenzene	12.14	112	497733	2.357	ppbv	98
58) Ethyl Benzene	12.70	91	924494	2.364	ppbv	98
59) m/p-Xylene	12.99	91	860138	2.646	ppbv #	43
60) o-Xylene	13.68	91	717068	2.377	ppbv	99
61) Styrene	13.52	104	381649	2.269	ppbv	98
62) Isopropylbenzene	14.66	105	1024588	2.349	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	518972	2.301	ppbv	100
64) n-propylbenzene	15.55	120	265602	2.389	ppbv	94
65) tert-Butylbenzene	16.73	119	926963	2.422	ppbv	98
66) Benzyl Chloride	16.98	91	30814	1.153	ppbv #	77
67) sec-Butylbenzene	17.28	105	1304730	2.468	ppbv	99
69) p-Isopropyltoluene	17.64	119	1033039	2.424	ppbv	100
70) n-Butylbenzene	18.54	91	981117	2.511	ppbv	100
71) 2-Chlorotoluene	15.44	91	752342	2.410	ppbv	100
72) 4-Ethyltoluene	15.83	105	848840	2.360	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	781280	2.375	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	829116	2.503	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	442706	2.422	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	414613	2.214	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	197137	1.124	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.37	225	277153	2.437	ppbv	99
79) Naphthalene	22.18	128	435556	2.397	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	93864	2.736	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	247729	2.411	ppbv	98

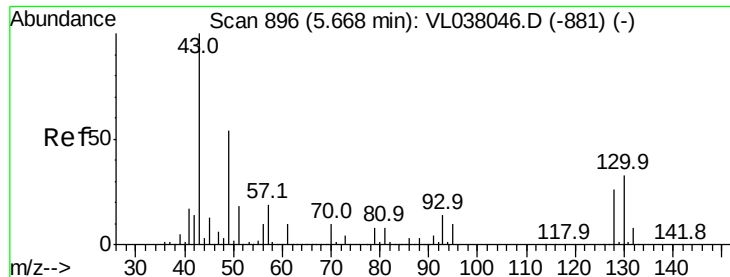
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC002

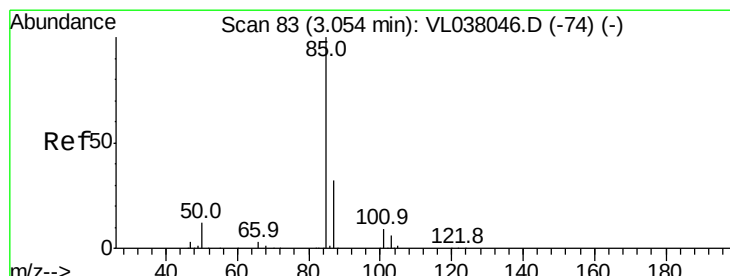
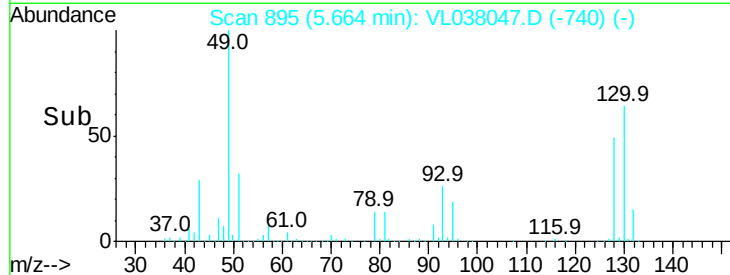
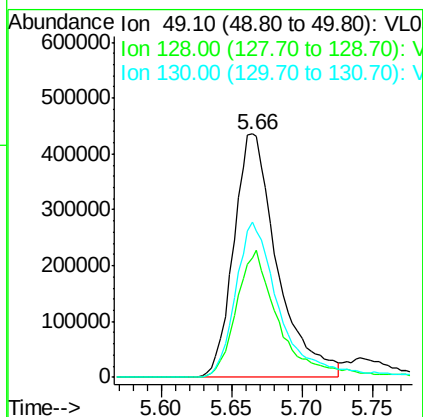
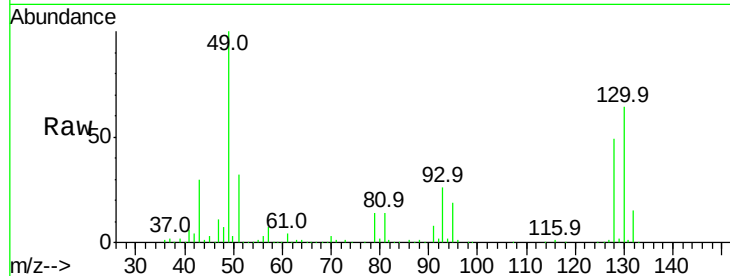
Response via : Initial Calibration





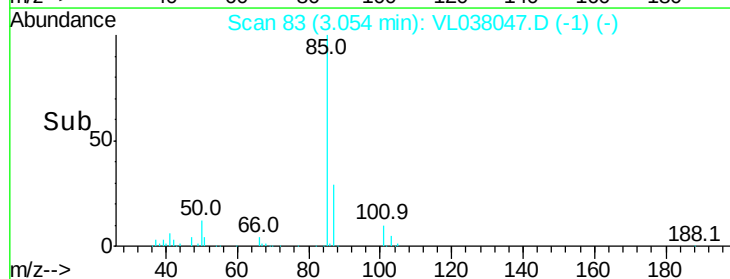
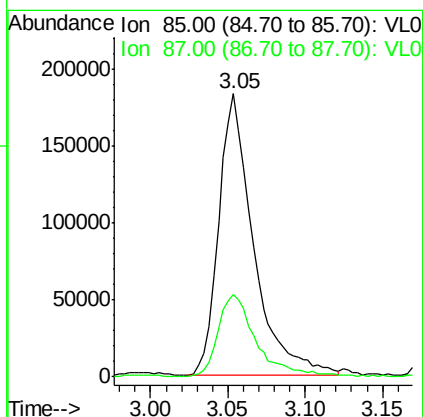
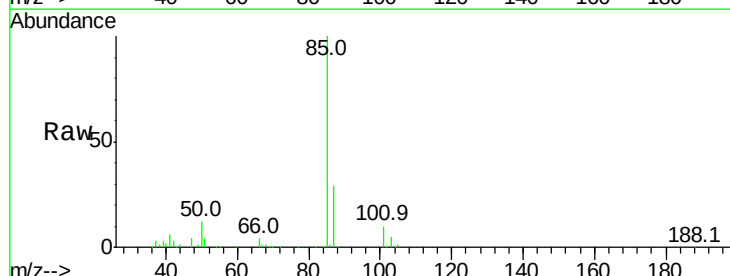
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 18 Nov 2021 9:27

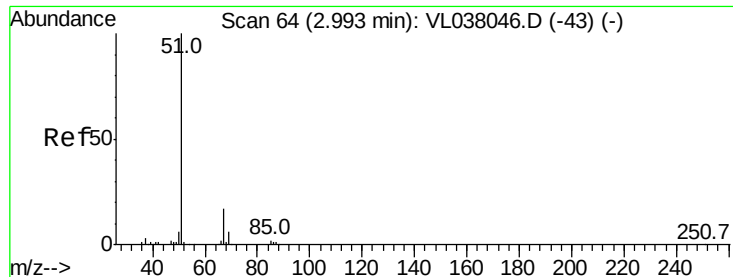
Tgt Ion: 49 Resp: 942219
 Ion Ratio Lower Upper
 49 100
 128 52.4 26.5 79.5
 130 65.5 32.5 97.4



#2
 Dichlorodifluoromethane
 Concen: 1.498 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T.: 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

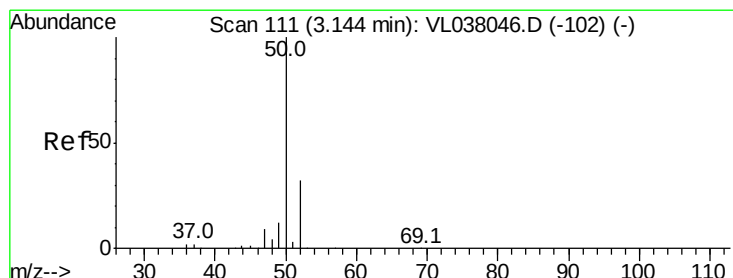
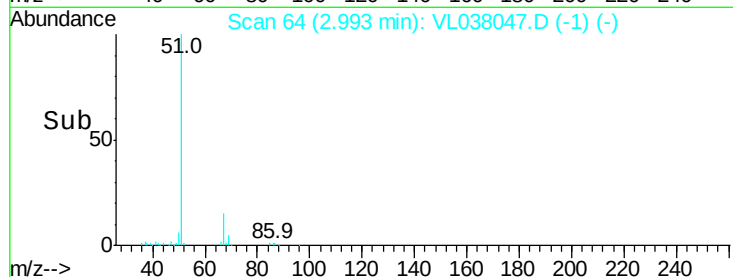
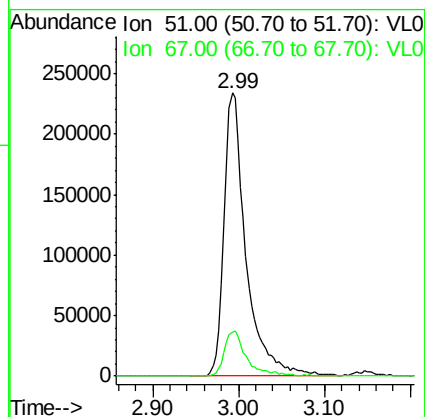
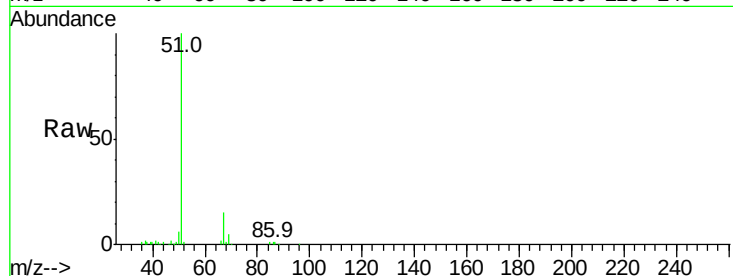
Tgt Ion: 85 Resp: 287047
 Ion Ratio Lower Upper
 85 100
 87 29.2 25.8 38.6





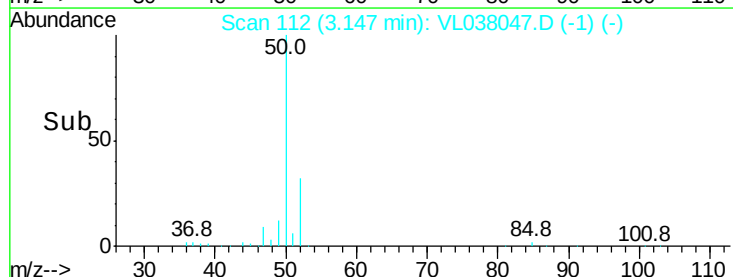
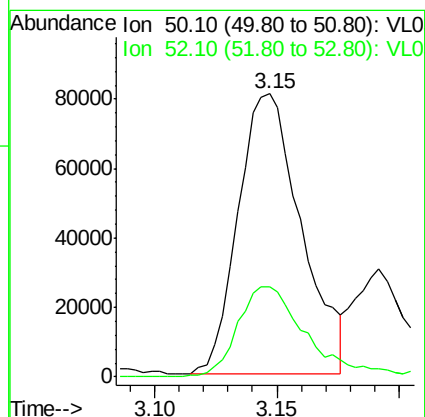
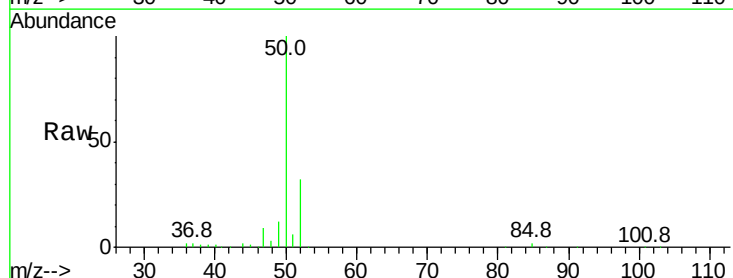
#3
Chlorodifluoromethane
Concen: 1.699 ppbv
RT: 2.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

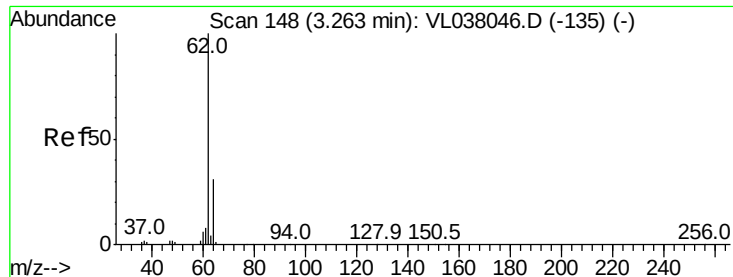
Tgt Ion: 51 Resp: 416047
Ion Ratio Lower Upper
51 100
67 16.6 13.8 20.8



#4
Chloromethane
Concen: 1.670 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

Tgt Ion: 50 Resp: 145532
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





#5

Vinyl Chloride

Concen: 1.652 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

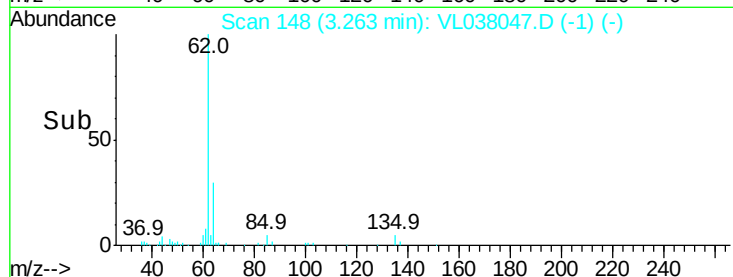
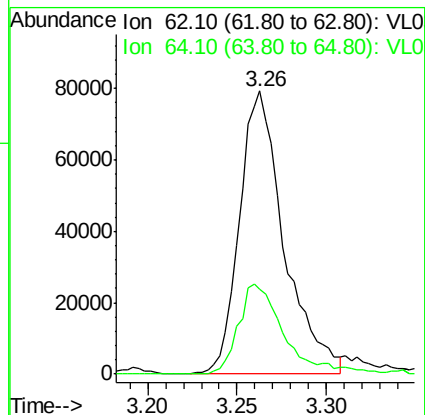
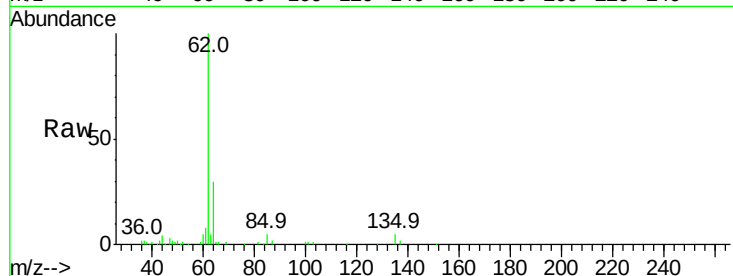
Acq: 18 Nov 2021 VSTDIC002

Tgt Ion: 62 Resp: 138228

Ion Ratio Lower Upper

62 100

64 29.9 25.1 37.7



#6

Bromomethane

Concen: 1.582 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038047.D

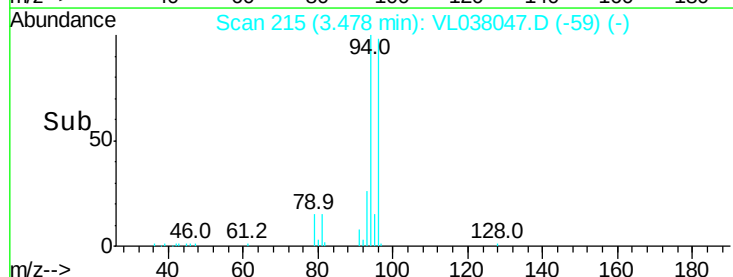
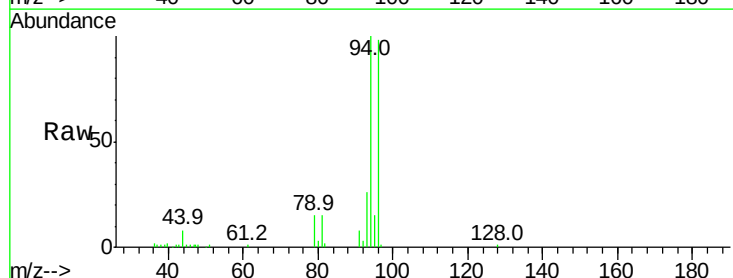
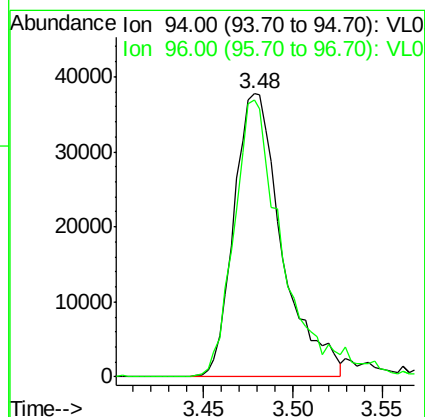
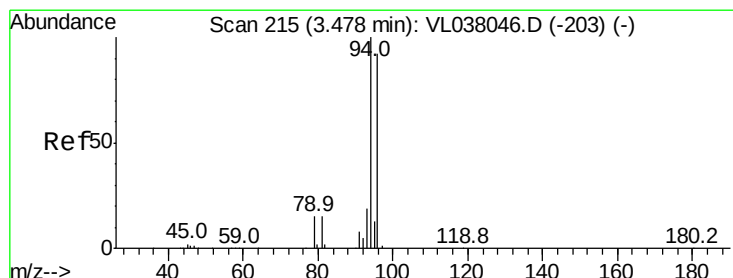
Acq: 18 Nov 2021 9:27

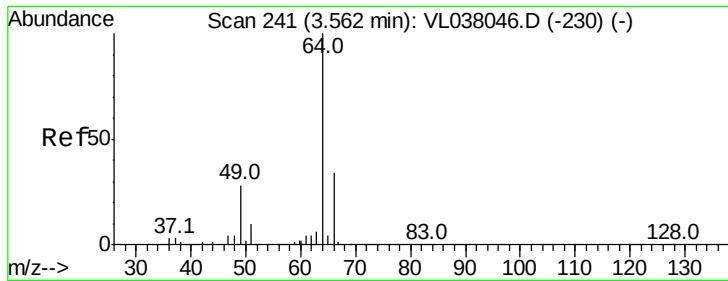
Tgt Ion: 94 Resp: 70751

Ion Ratio Lower Upper

94 100

96 97.9 73.9 110.9





#7

Chloroethane

Concen: 1.374 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

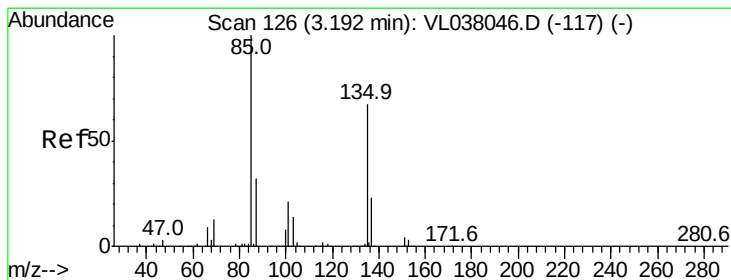
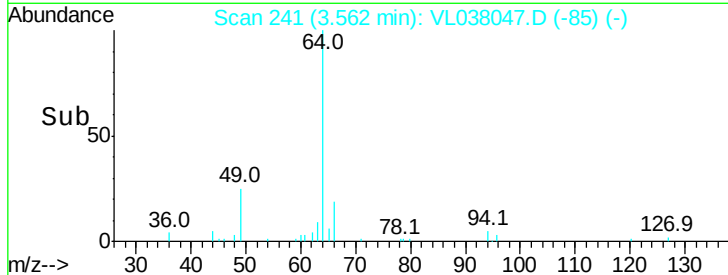
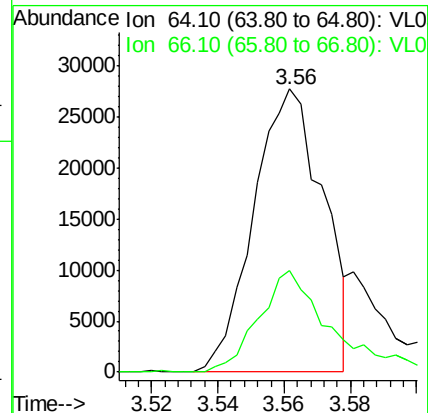
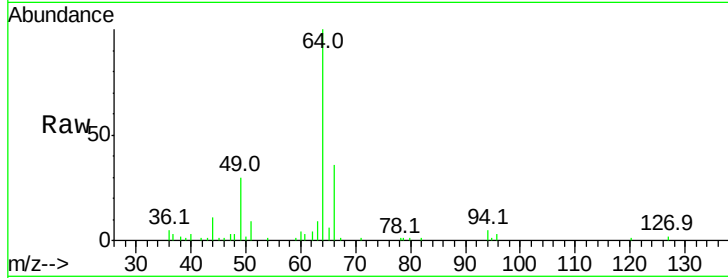
Acq: 18 Nov 2021 VSTDIC002

Tgt Ion: 64 Resp: 40426

Ion Ratio Lower Upper

64 100

66 35.9 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 1.657 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038047.D

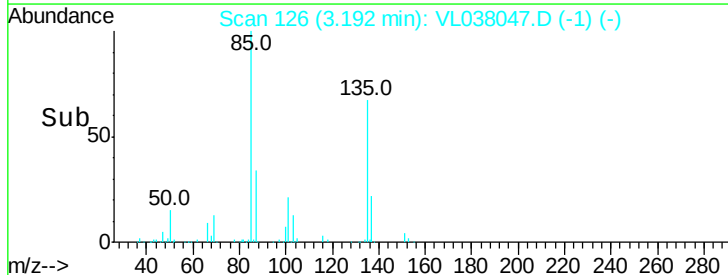
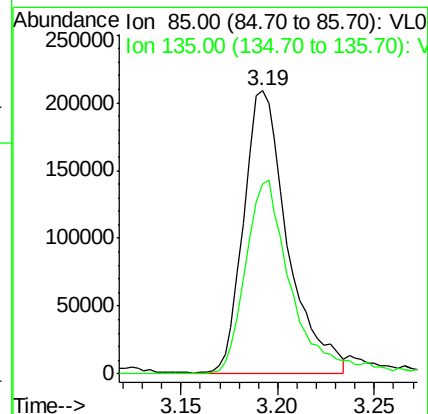
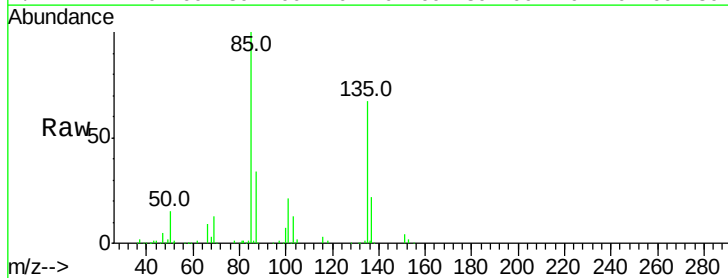
Acq: 18 Nov 2021 9:27

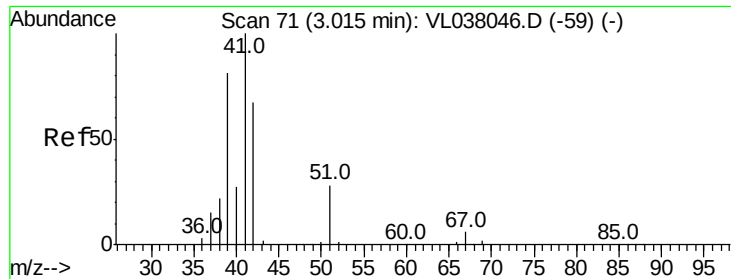
Tgt Ion: 85 Resp: 328912

Ion Ratio Lower Upper

85 100

135 72.7 57.9 86.9





#9

Propene

Concen: 1.663 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

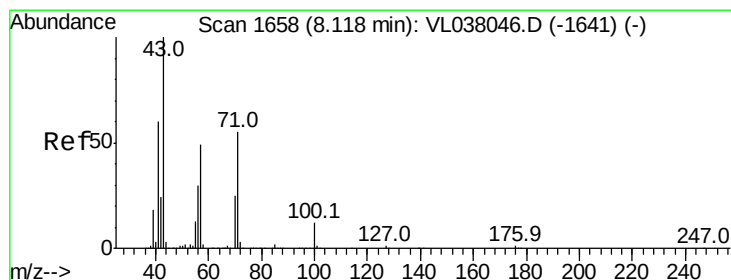
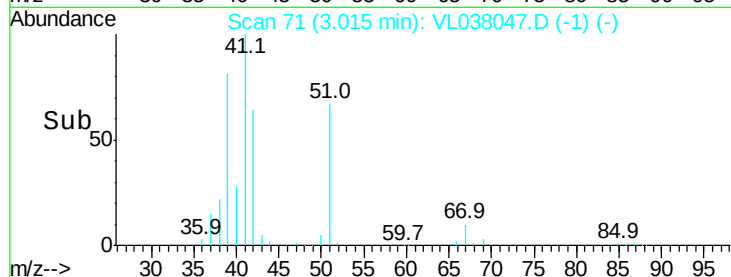
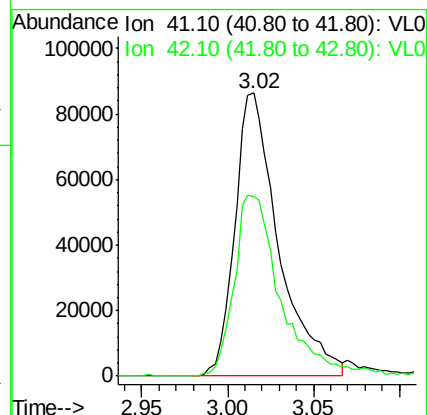
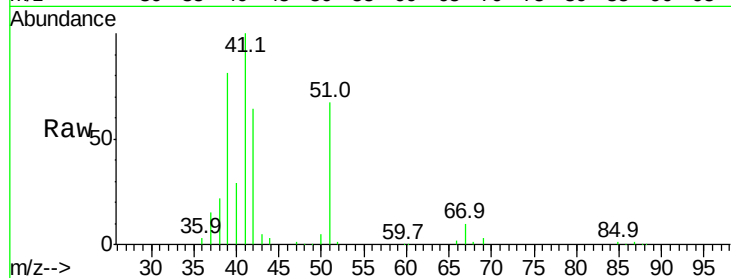
Acq: 18 Nov 2021 9:27

Tgt Ion: 41 Resp: 153616

Ion Ratio Lower Upper

41 100

42 68.7 53.8 80.8



#10

Heptane

Concen: 1.714 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038047.D

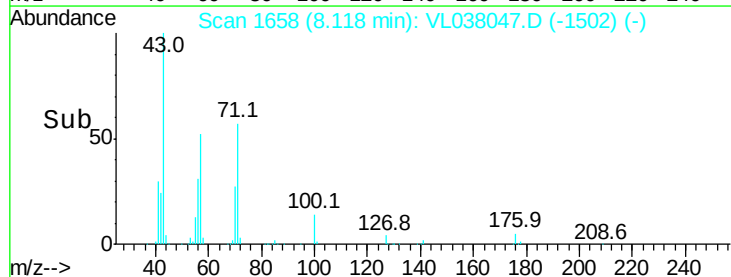
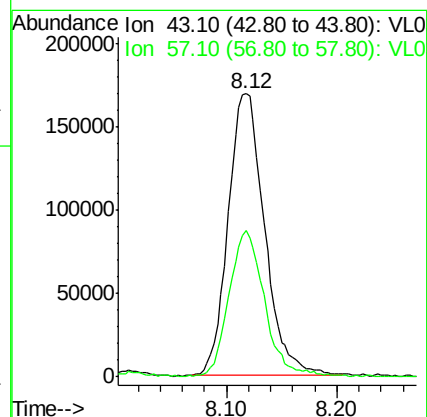
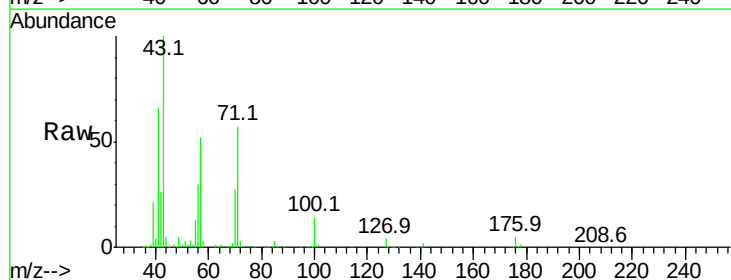
Acq: 18 Nov 2021 9:27

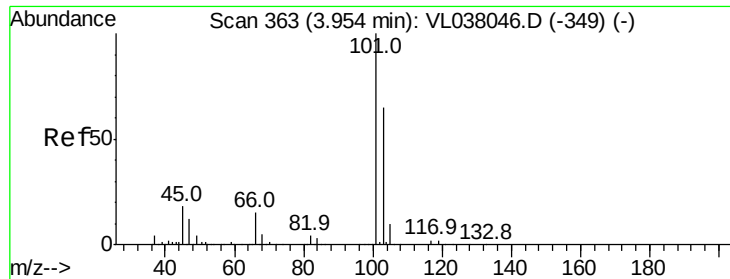
Tgt Ion: 43 Resp: 389693

Ion Ratio Lower Upper

43 100

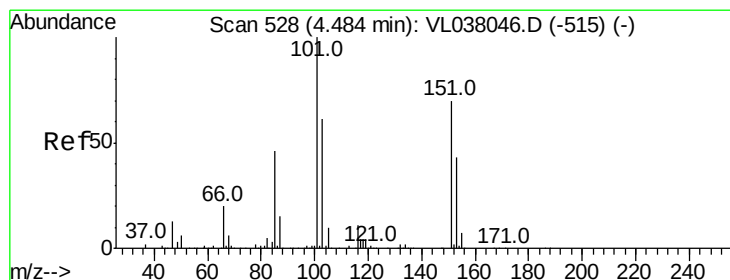
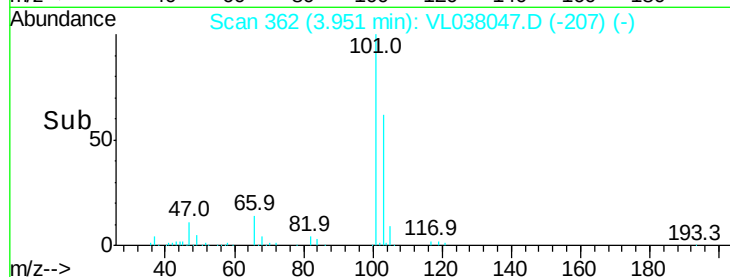
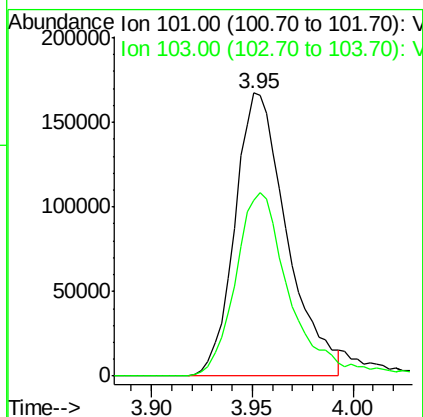
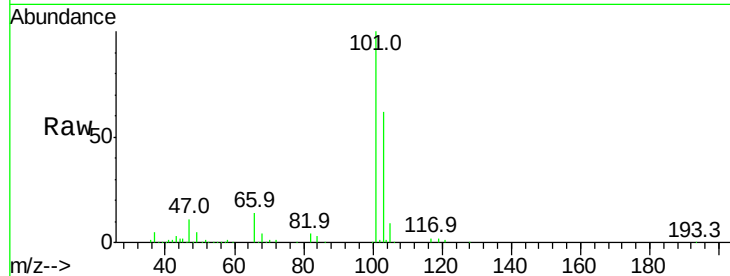
57 49.6 40.4 60.6





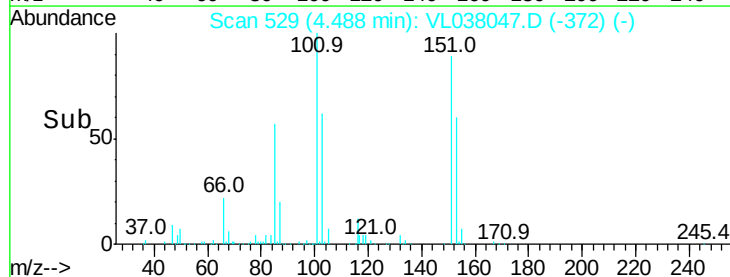
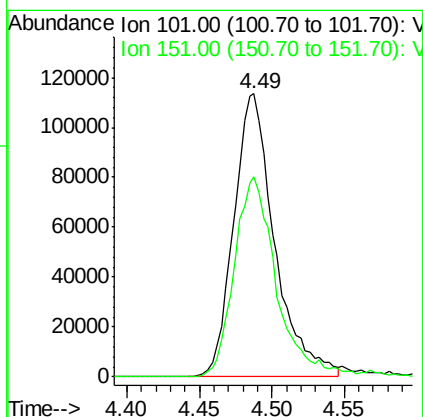
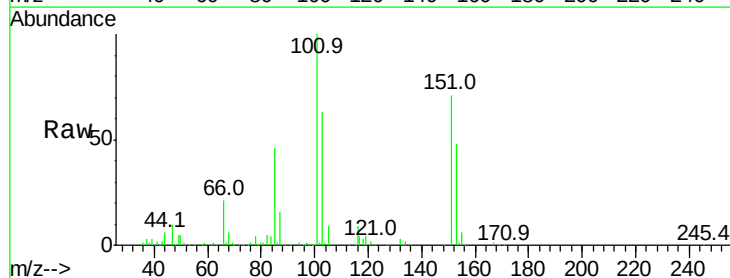
#11
 Trichlorofluoromethane
 Concen: 1.600 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

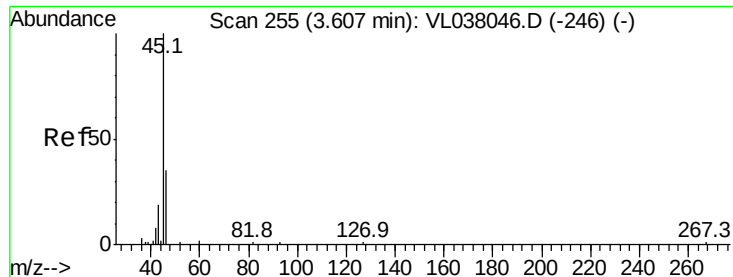
Tgt Ion:101 Resp: 303052
 Ion Ratio Lower Upper
 101 100
 103 61.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.516 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion:101 Resp: 222512
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.0 88.4





#13

Ethanol

Concen: 0.837 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

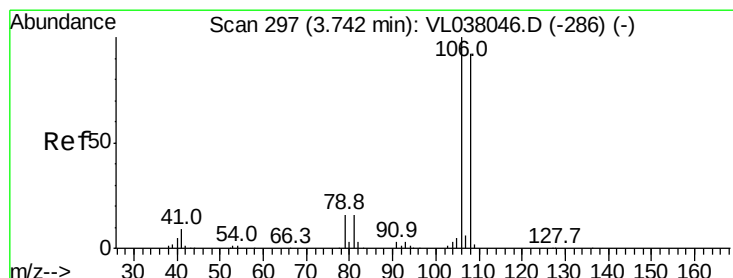
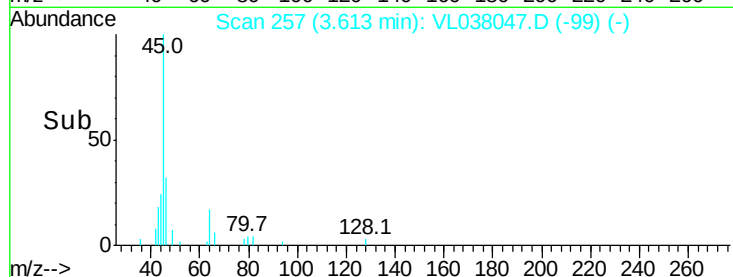
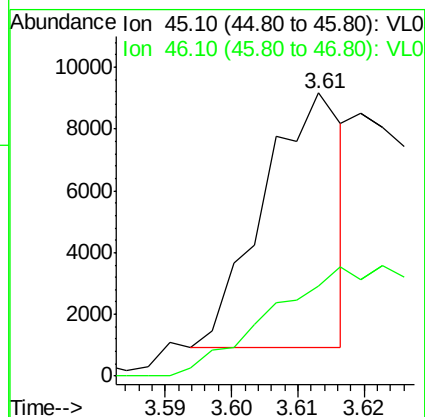
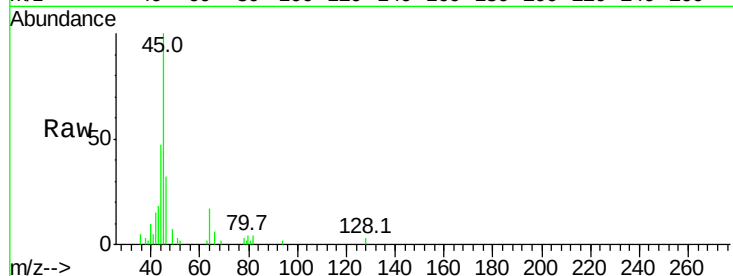
Acq: 18 Nov 2021 9:27

Tgt Ion: 45 Resp: 6852

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#



#14

Bromoethene

Concen: 1.502 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

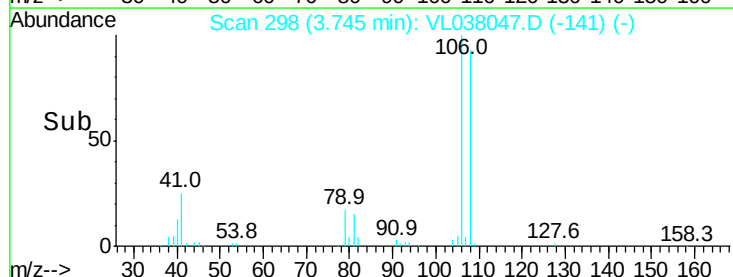
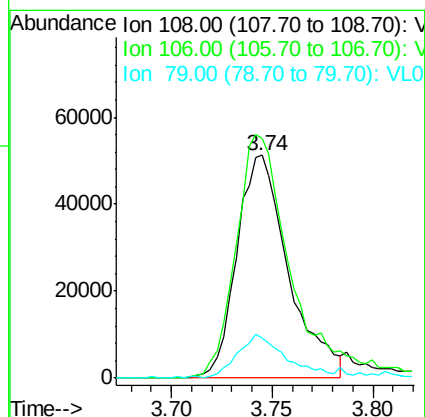
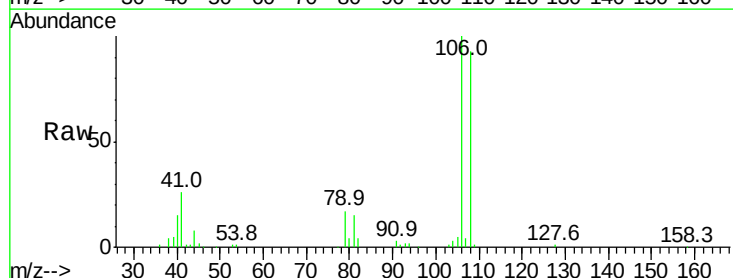
Tgt Ion: 108 Resp: 92189

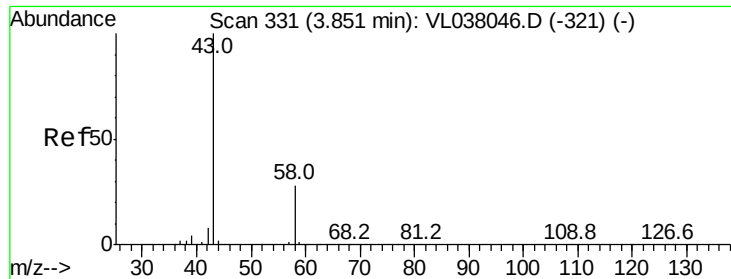
Ion Ratio Lower Upper

108 100

106 120.1 89.4 134.0

79 21.4 14.1 21.1#





#15

Acetone

Concen: 1.521 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

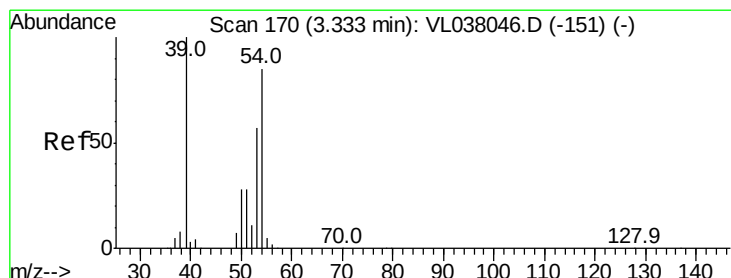
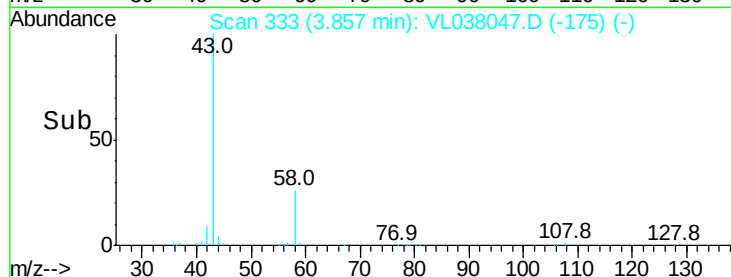
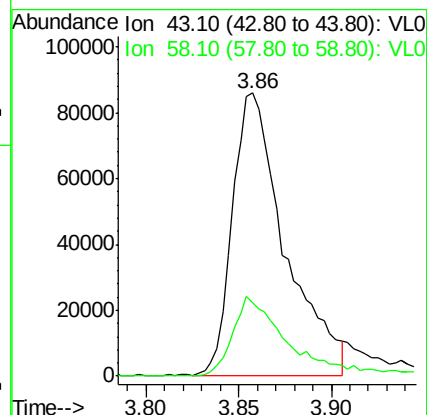
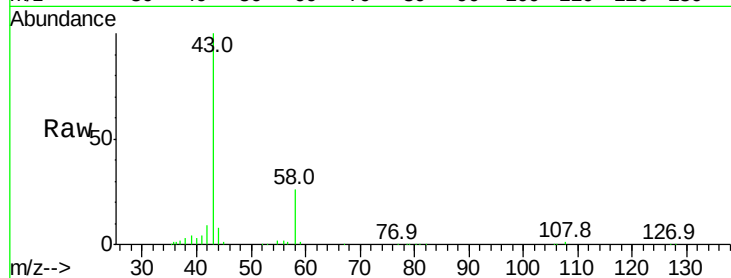
Acq: 18 Nov 2021 9:27 VSTDIC002

Tgt Ion: 43 Resp: 168496

Ion Ratio Lower Upper

43 100

58 30.4 22.4 33.6



#16

1,3-Butadiene

Concen: 1.614 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL038047.D

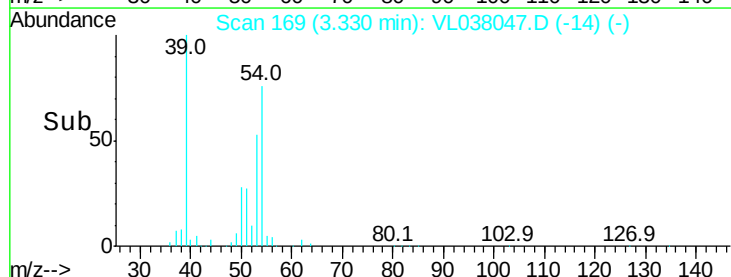
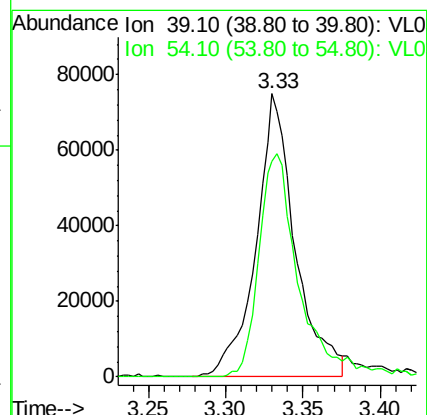
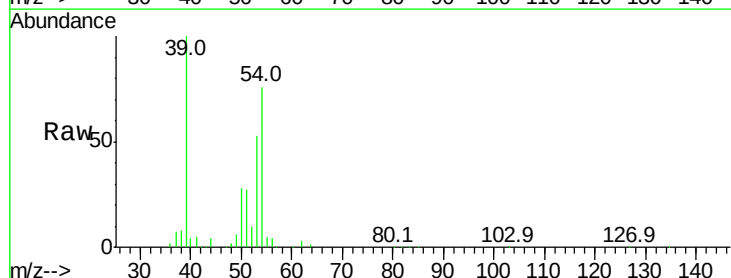
Acq: 18 Nov 2021 9:27

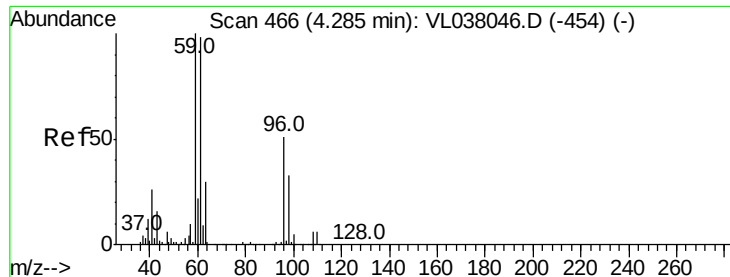
Tgt Ion: 39 Resp: 132385

Ion Ratio Lower Upper

39 100

54 81.4 64.4 96.6





#17

tert-Butyl alcohol

Concen: 1.195 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

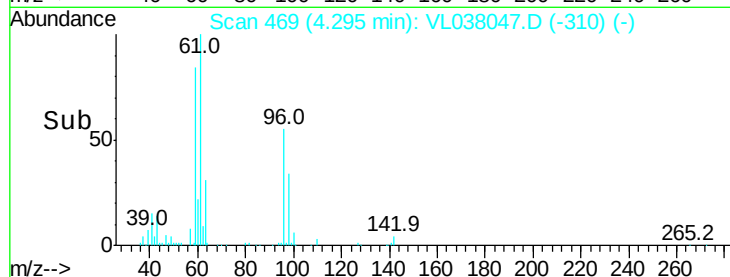
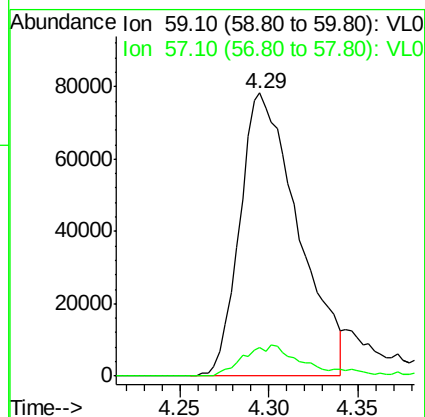
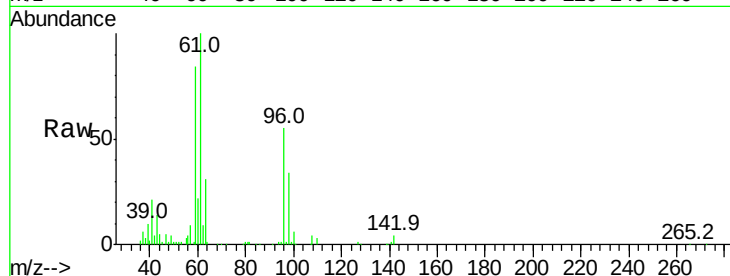
Acq: 18 Nov 2021 9:27

Tgt Ion: 59 Resp: 177820

Ion Ratio Lower Upper

59 100

57 12.6 8.6 13.0



#18

1,1-Dichloroethene

Concen: 1.473 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

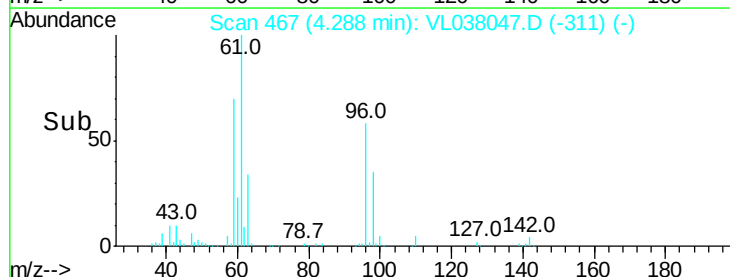
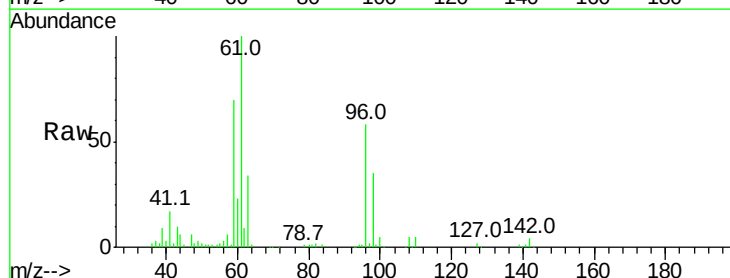
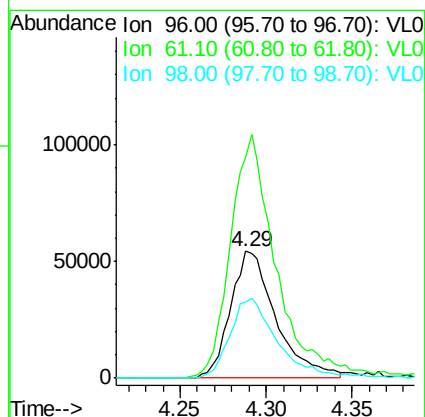
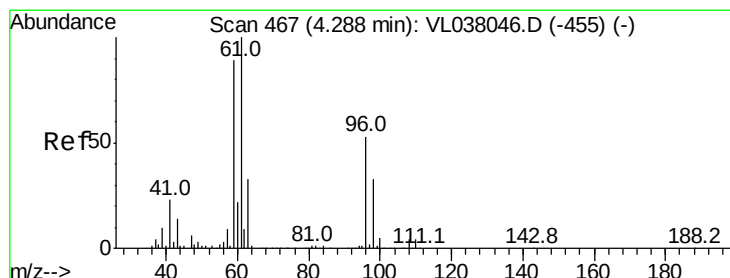
Tgt Ion: 96 Resp: 99766

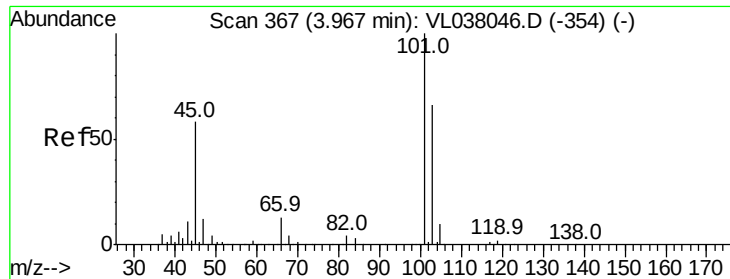
Ion Ratio Lower Upper

96 100

61 172.7 149.8 224.8

98 60.1 50.2 75.2





#19

Isopropyl Alcohol

Concen: 0.454 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

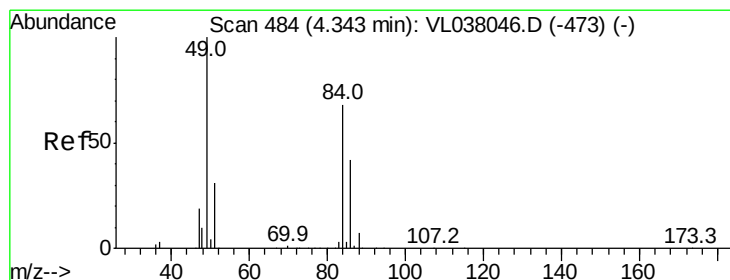
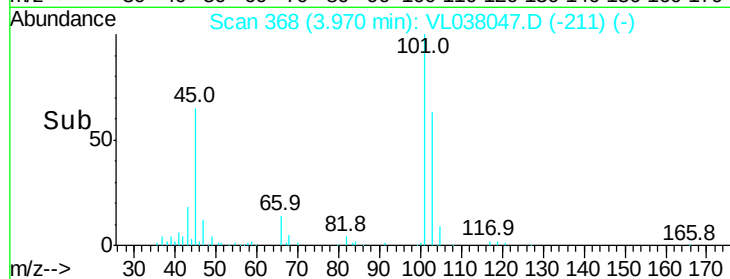
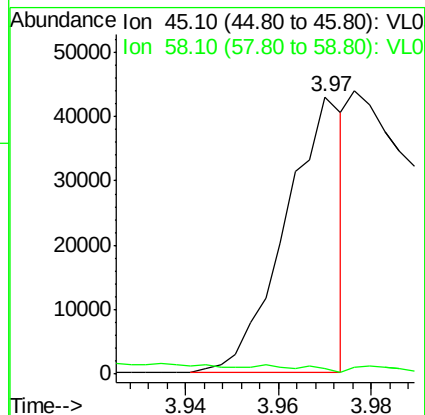
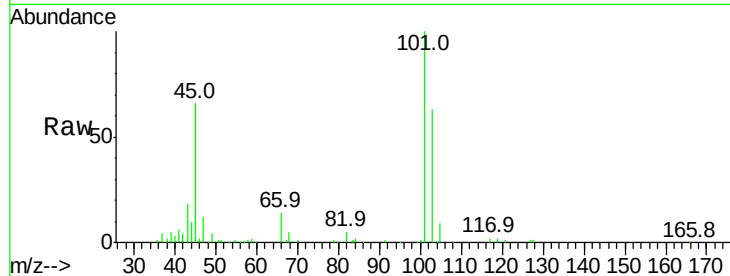
Acq: 18 Nov 2021 9:27

Tgt Ion: 45 Resp: 36797

Ion Ratio Lower Upper

45 100

58 7.3 1.4 2.0#



#20

Methylene Chloride

Concen: 1.407 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

Tgt Ion: 84 Resp: 91422

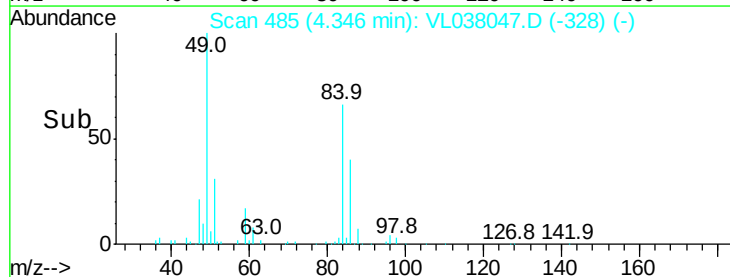
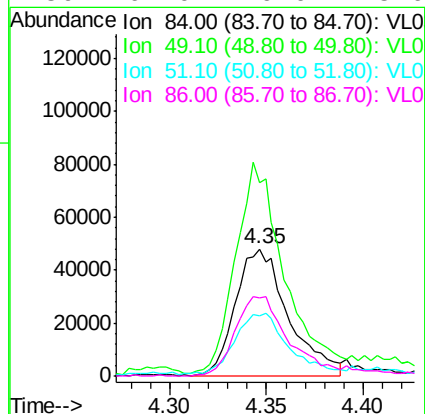
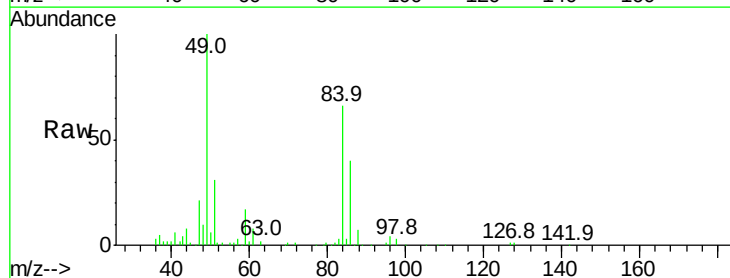
Ion Ratio Lower Upper

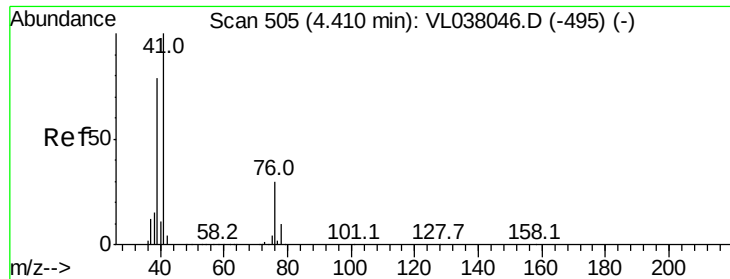
84 100

49 150.2 118.2 177.2

51 44.8 36.8 55.2

86 61.0 49.0 73.6





#21

Allyl Chloride

Concen: 1.397 ppbv

RT: 4.41

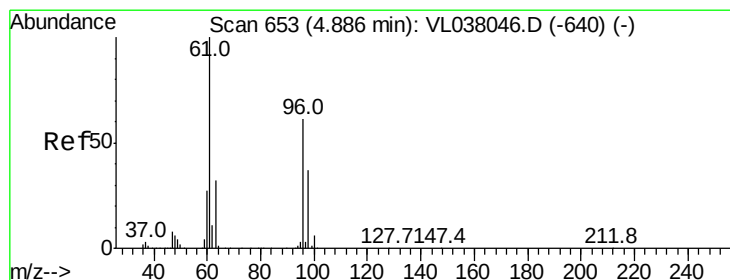
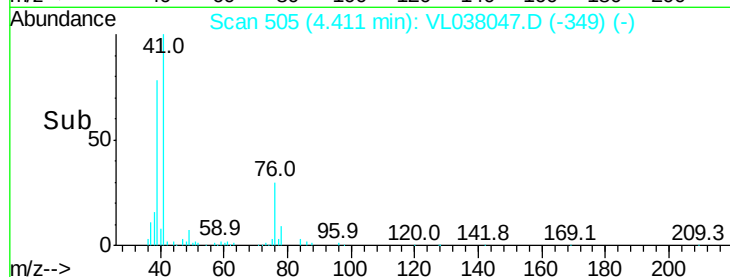
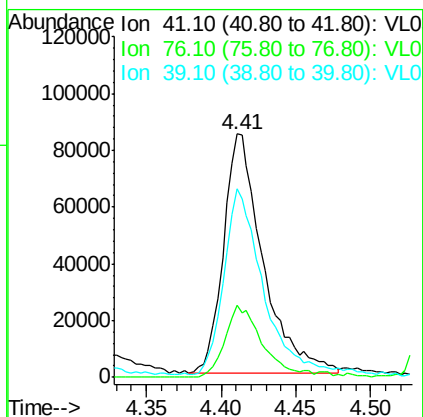
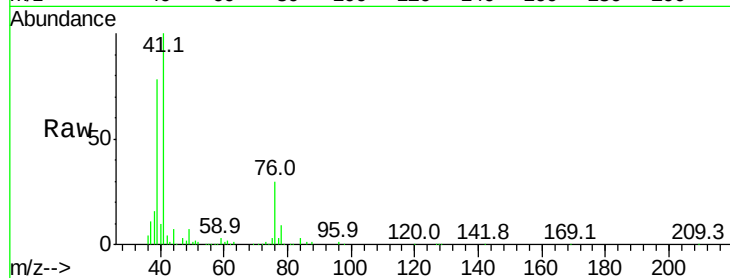
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDIC002

Acq: 18 Nov 2021 9:27

Tgt Ion: 41 Resp: 154883

Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.6	36.8
39	83.1	63.4	95.0



#22

trans-1,2-Dichloroethene

Concen: 1.445 ppbv

RT: 4.88 min Scan# 652

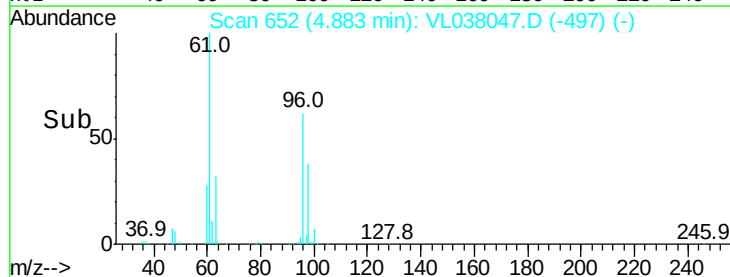
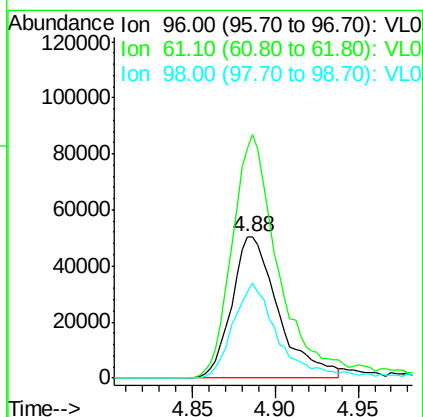
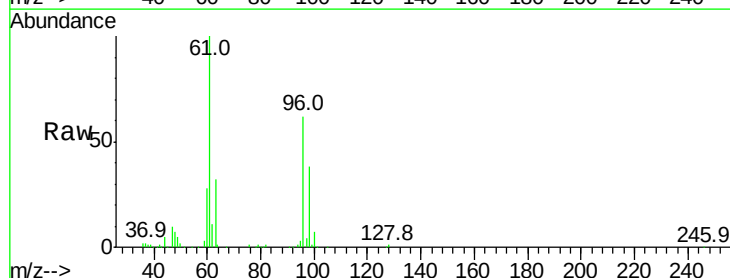
Delta R.T. -0.00 min

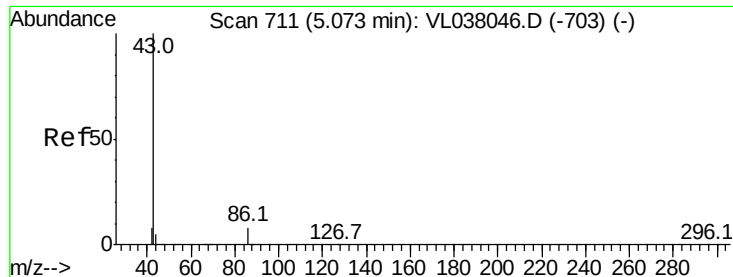
Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

Tgt Ion: 96 Resp: 98781

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.6	197.4
98	61.1	48.4	72.6





#23

Vinyl Acetate

Concen: 1.267 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 18 Nov 2021 9:27

Tgt Ion: 43 Resp: 232451

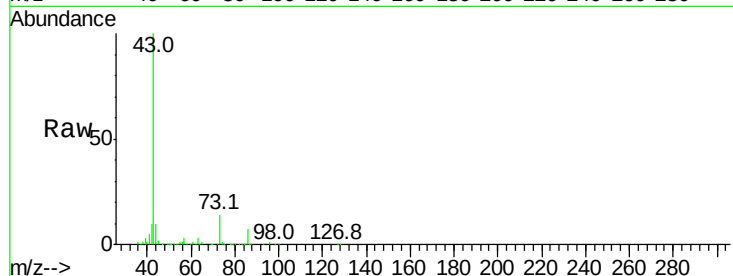
Ion Ratio Lower Upper

43 100

86 7.5 5.3 7.9

42 9.4 7.0 10.6

44 6.0 4.0 6.0

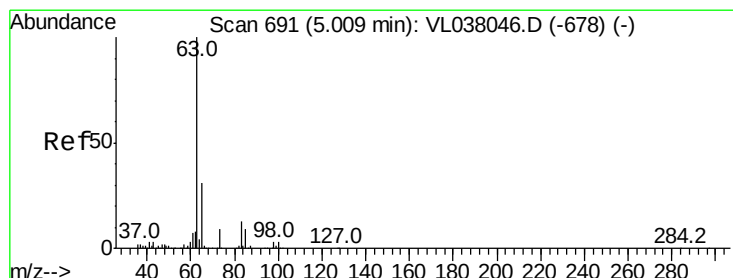
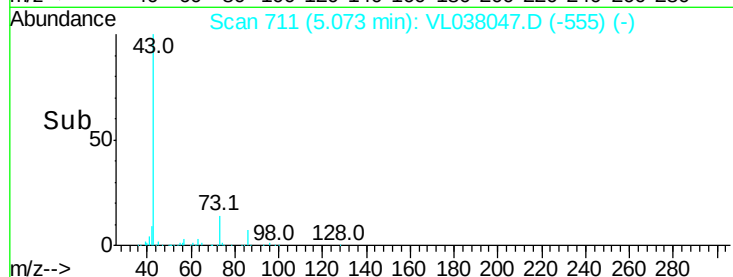
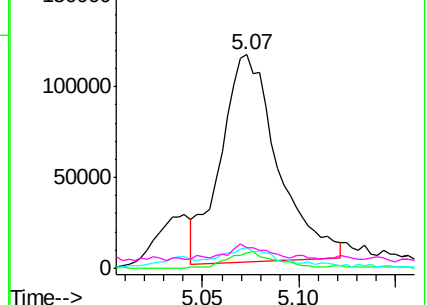


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.409 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

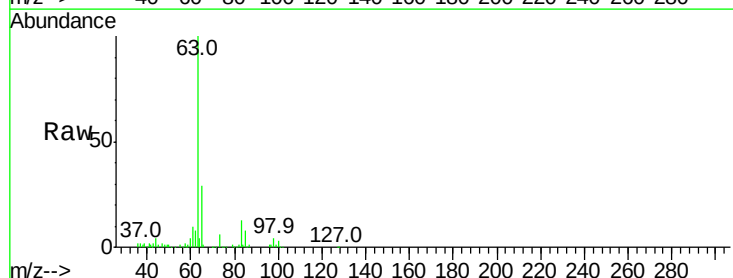
Tgt Ion: 63 Resp: 201619

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.4

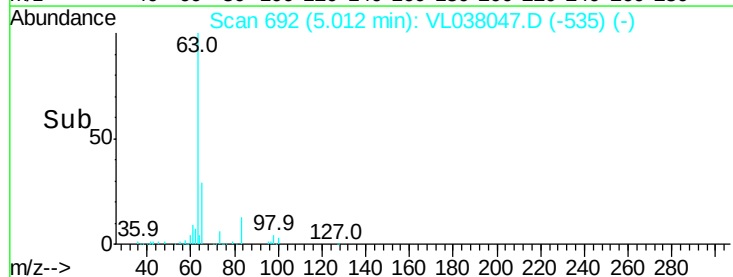
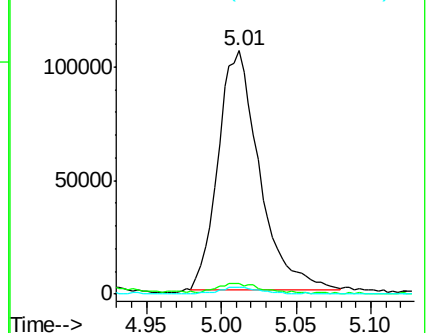
100 2.7 1.4 4.0

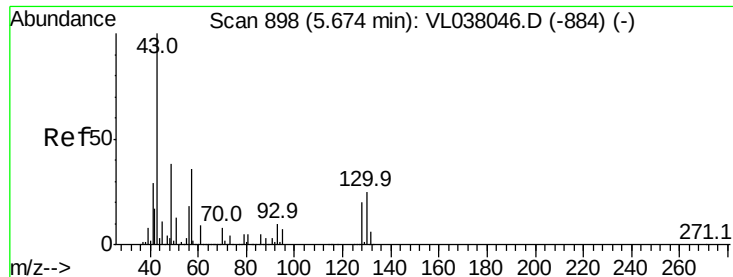


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

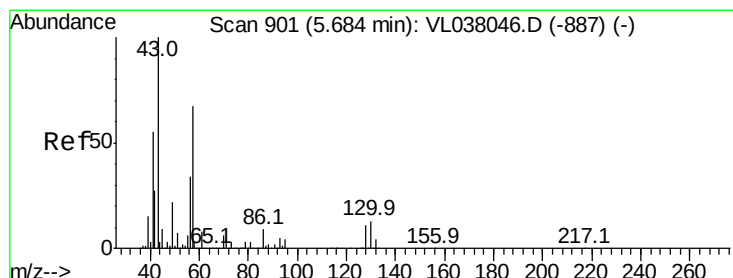
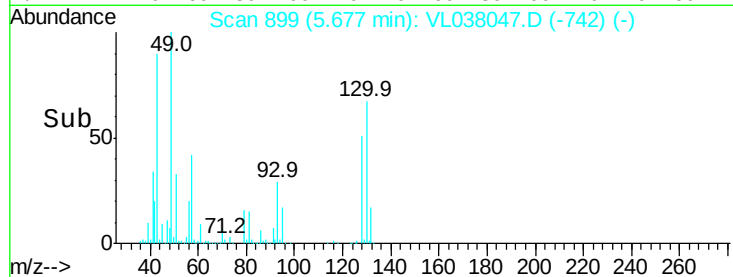
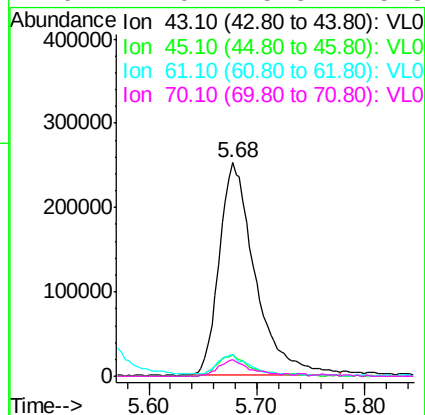
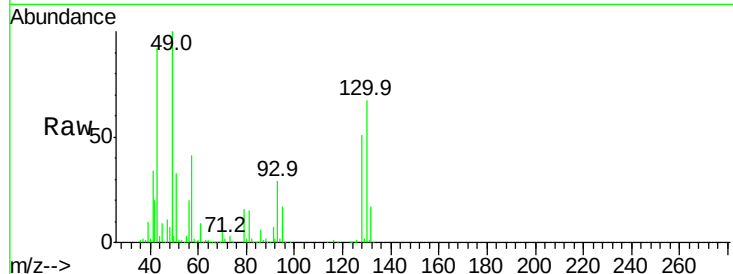
Ion 100.00 (99.70 to 100.70): VL0





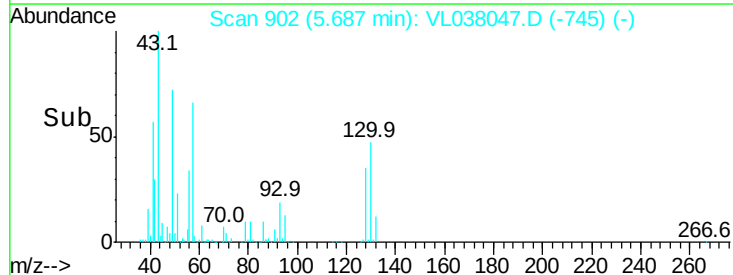
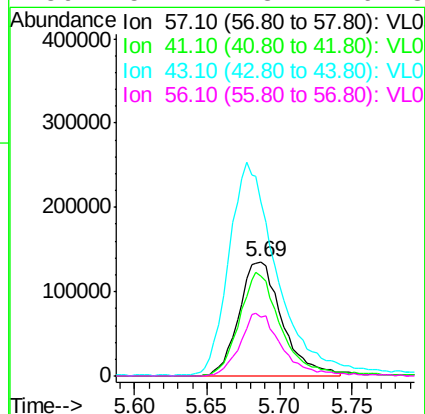
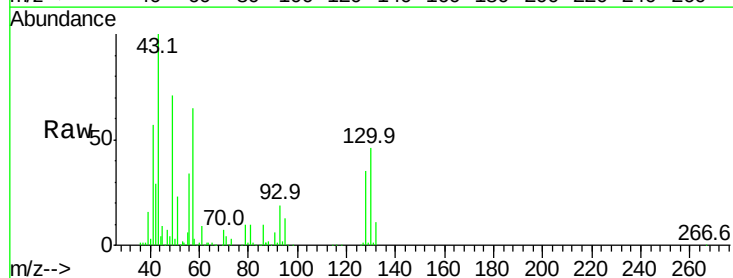
#25
Ethyl Acetate
Concen: 2.252 ppbv
RT: 5.68
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

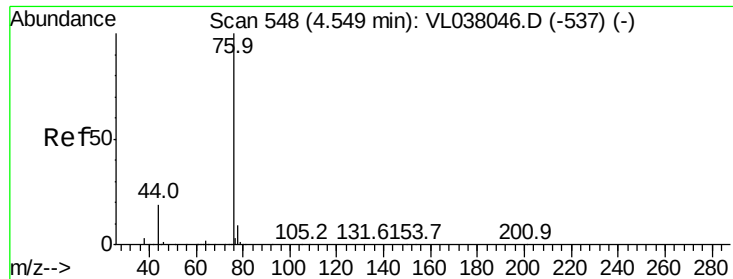
Tgt Ion:	43	Resp:	586757
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.7	7.8	11.6
70	7.0	5.8	8.8



#26
Hexane
Concen: 2.145 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

Tgt Ion:	57	Resp:	280779
Ion	Ratio	Lower	Upper
57	100		
41	89.6	71.4	107.2
43	216.5	174.6	261.8
56	54.1	43.2	64.8





#27

Carbon Disulfide

Concen: 1.417 ppbv

RT: 4.55 Instrument: MSVOA_1

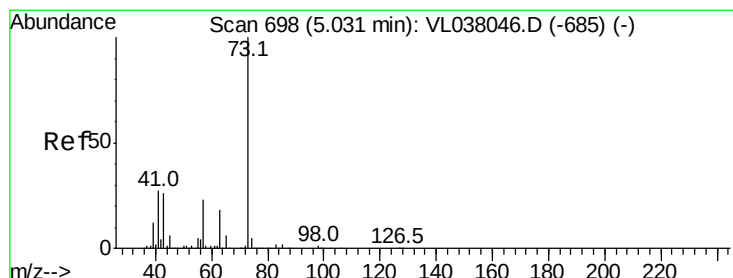
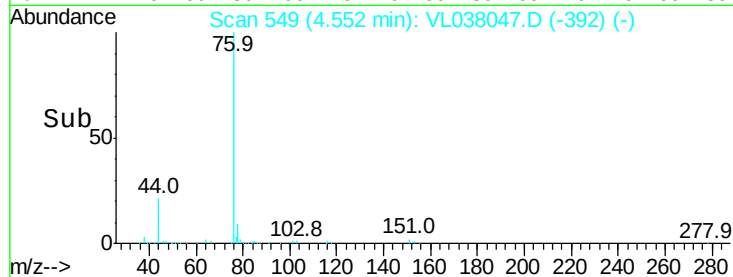
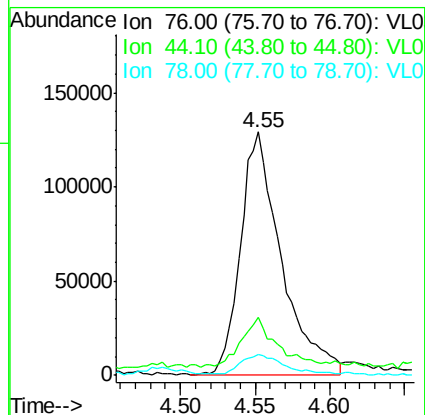
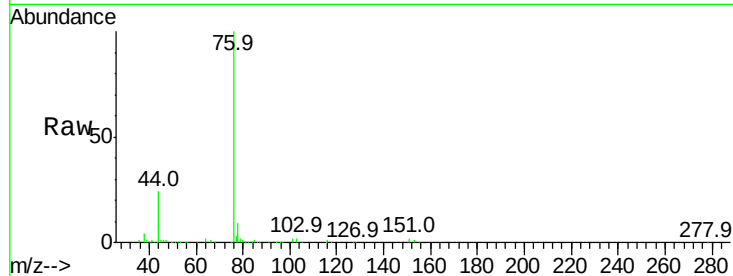
Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Nov 2021 9:27

Tgt Ion: 76 Resp: 243247

Ion	Ratio	Lower	Upper
76	100		
44	23.8	14.9	22.3#
78	10.8	7.6	11.4



#28

Methyl tert-Butyl Ether

Concen: 1.417 ppbv

RT: 5.04 min Scan# 700

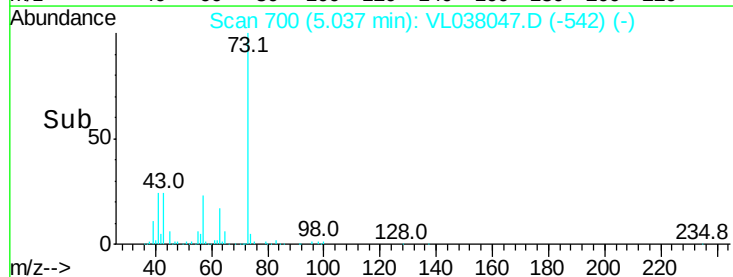
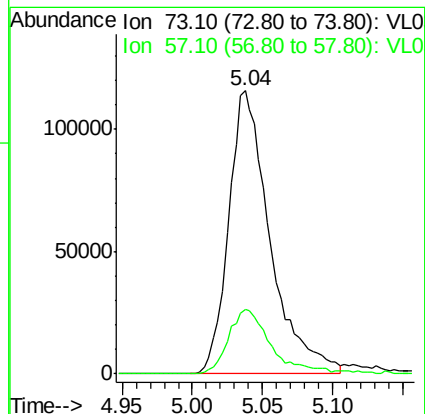
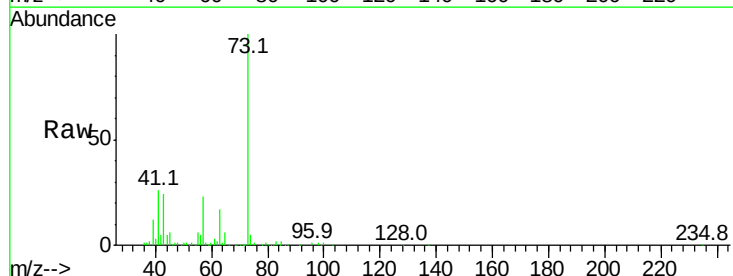
Delta R.T. 0.01 min

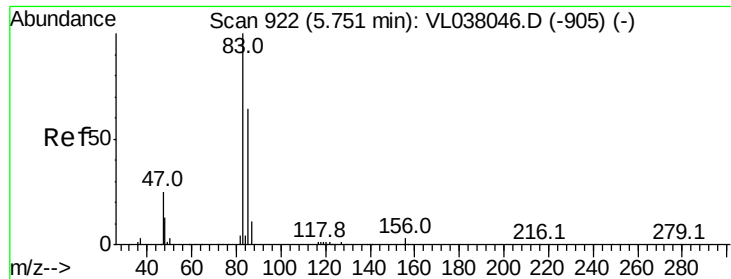
Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

Tgt Ion: 73 Resp: 237832

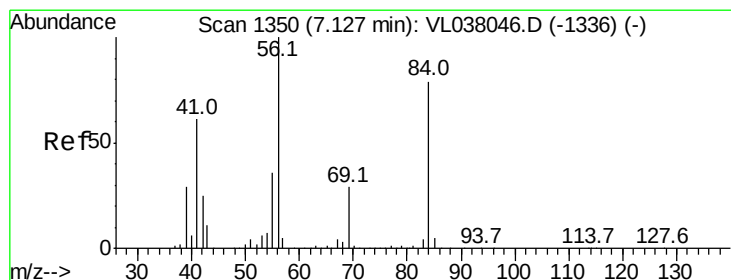
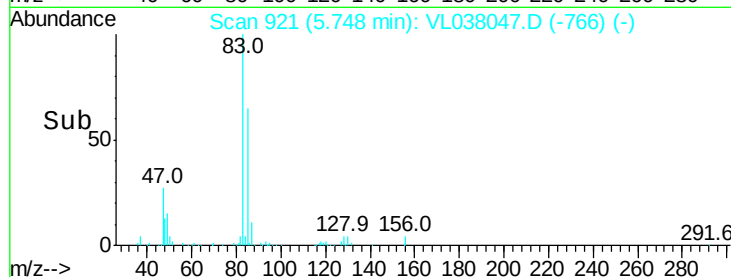
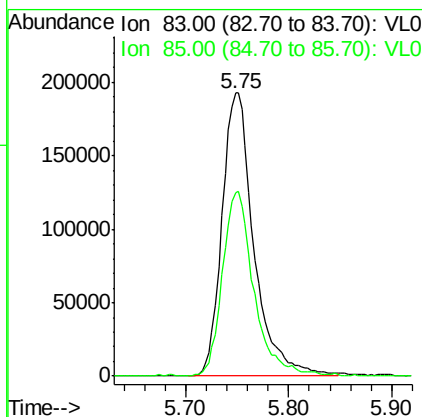
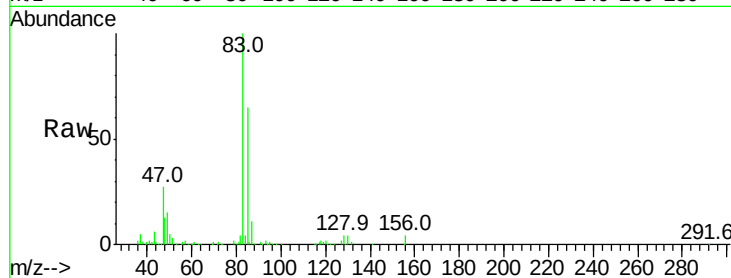
Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.0	28.4





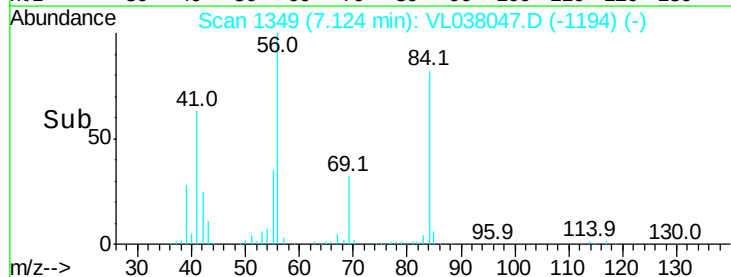
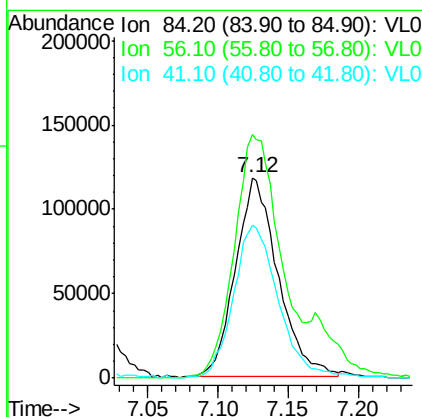
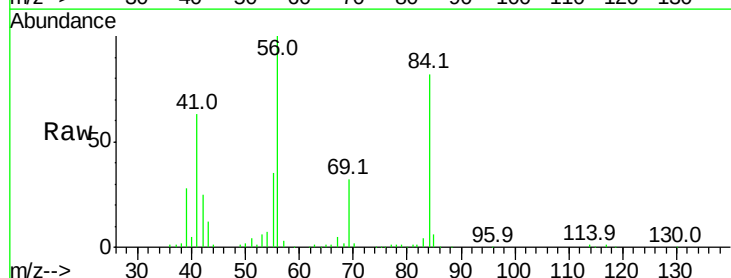
#29
 Chloroform
 Concen: 2.111 ppbv
 RT: 5.75
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 9:27

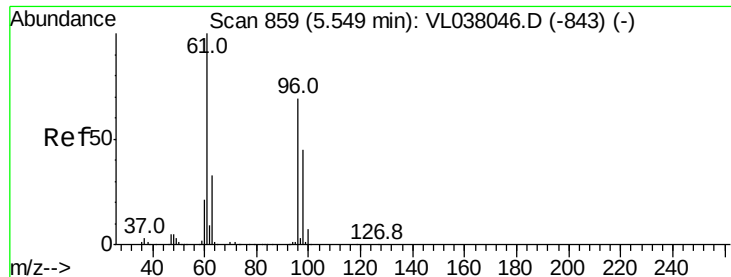
Tgt Ion: 83 Resp: 416332
 Ion Ratio Lower Upper
 83 100
 85 64.5 51.0 76.6



#30
 Cyclohexane
 Concen: 1.699 ppbv
 RT: 7.12 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion: 84 Resp: 250434
 Ion Ratio Lower Upper
 84 100
 56 153.1 108.1 162.1
 41 82.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 2.451 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 18 Nov 2021 9:27

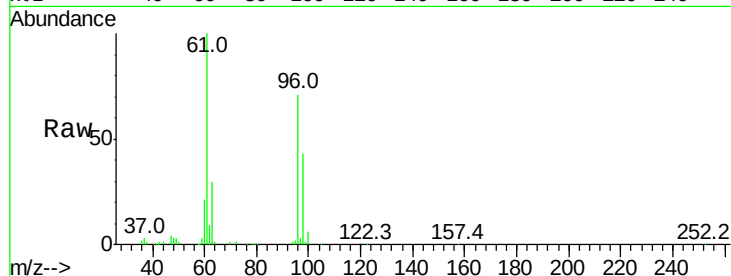
Tgt Ion: 61 Resp: 265695

Ion Ratio Lower Upper

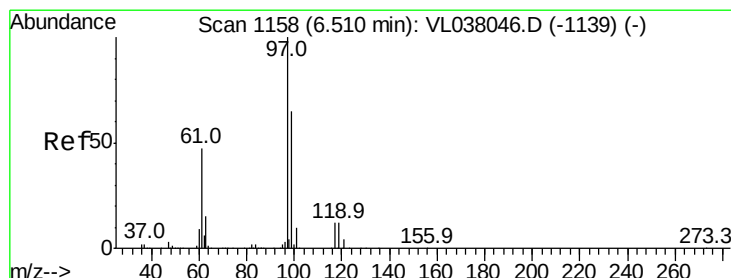
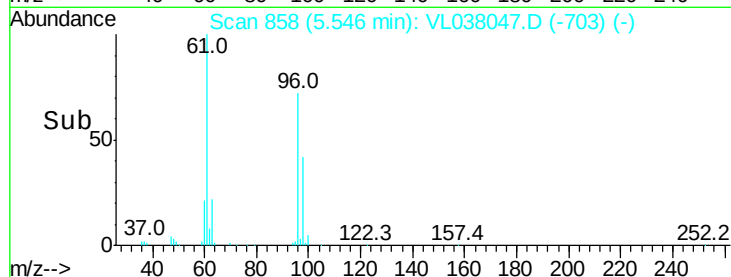
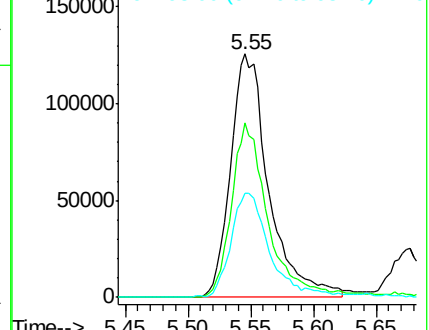
61 100

96 71.4 55.4 83.2

98 42.8 35.7 53.5



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: 1.664 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

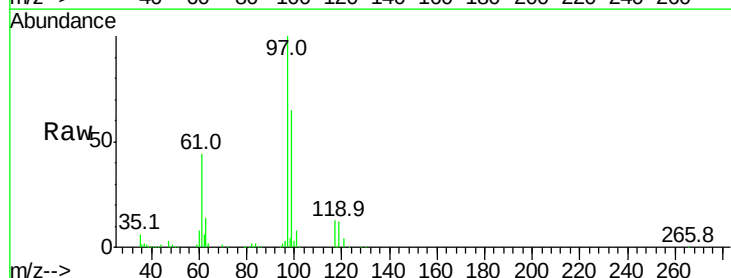
Tgt Ion: 97 Resp: 416237

Ion Ratio Lower Upper

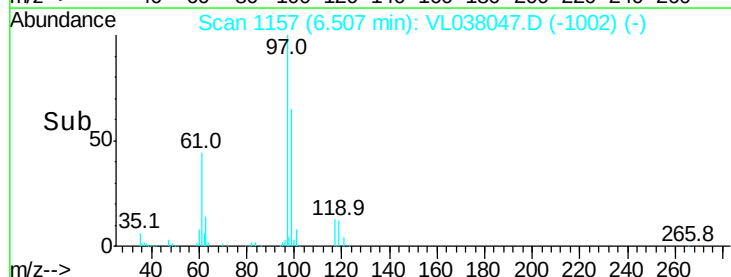
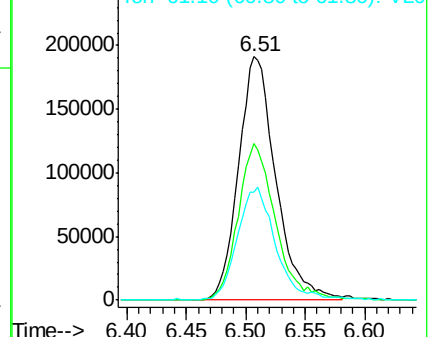
97 100

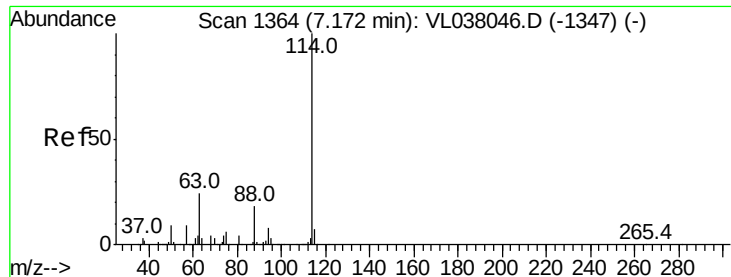
99 64.8 52.2 78.4

61 48.2 37.7 56.5



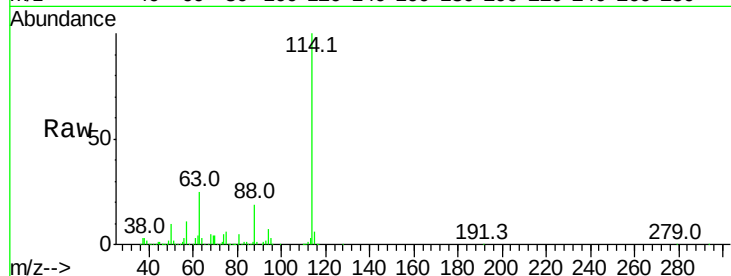
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



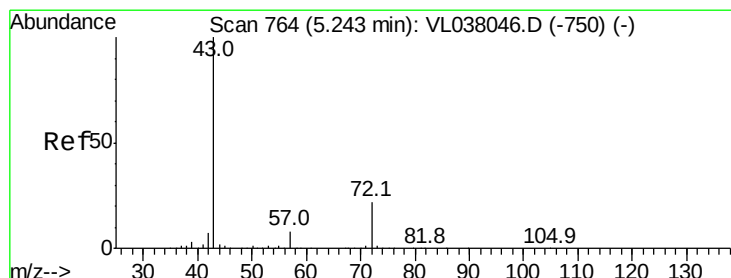
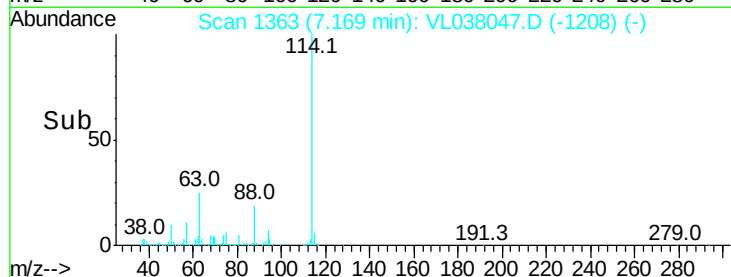
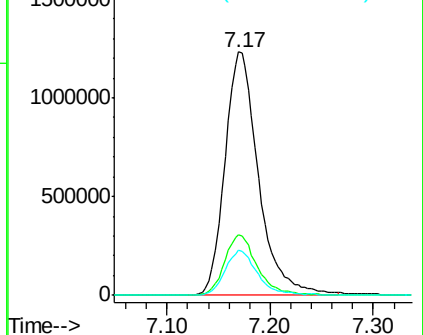


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

Tgt Ion:114 Resp: 2794807
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.7 29.5
 88 18.2 14.4 21.6

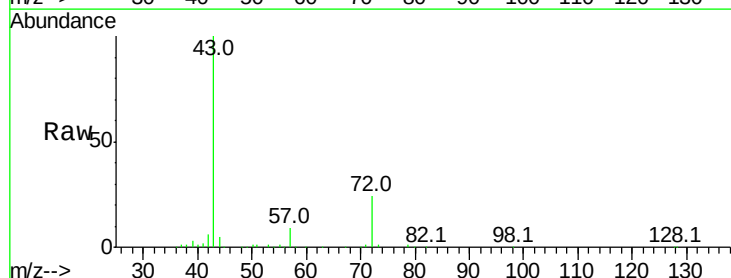


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

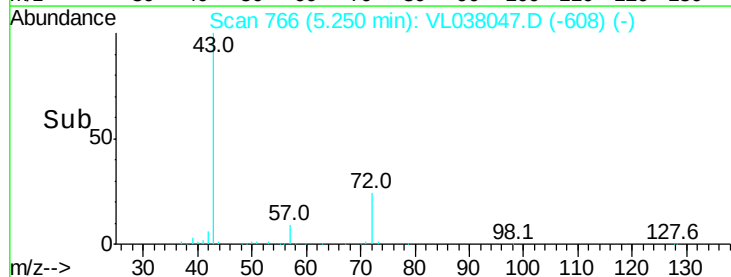
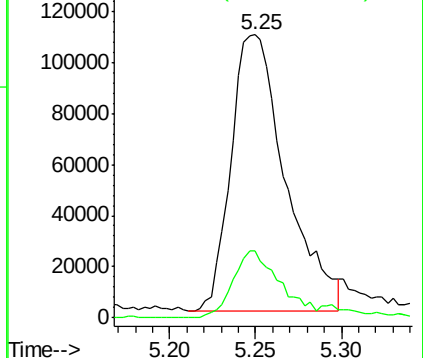


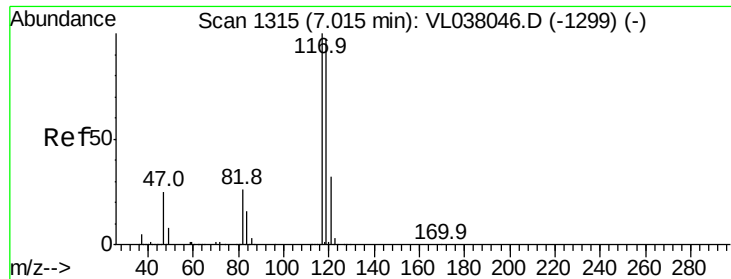
#34
 2-Butanone
 Concen: 2.601 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion: 43 Resp: 239770
 Ion Ratio Lower Upper
 43 100
 72 24.5 18.8 28.2



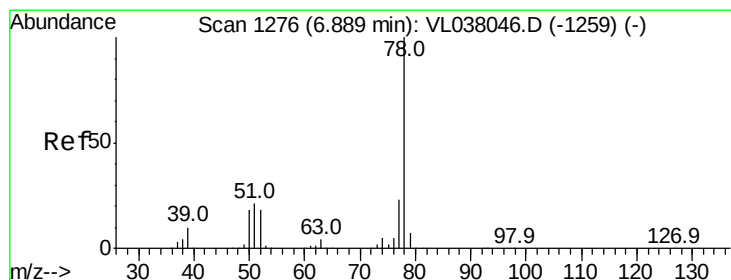
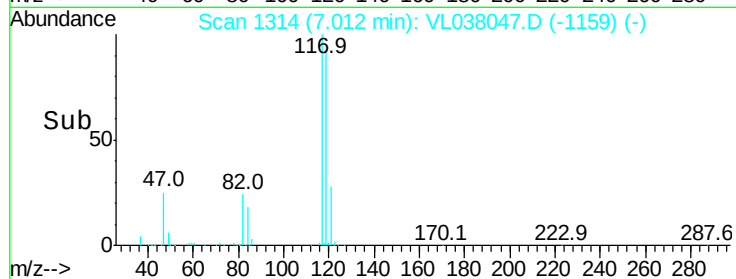
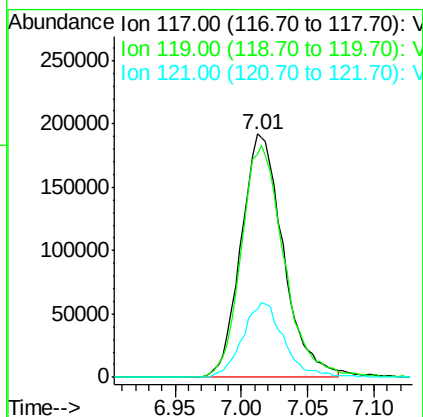
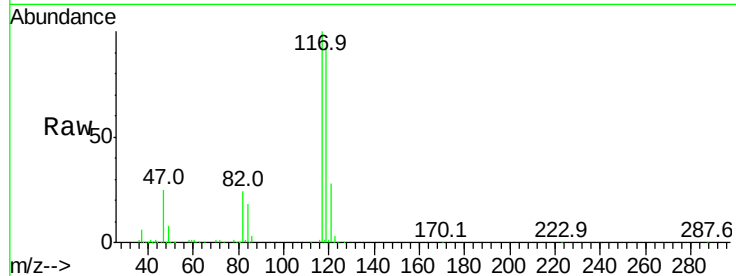
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





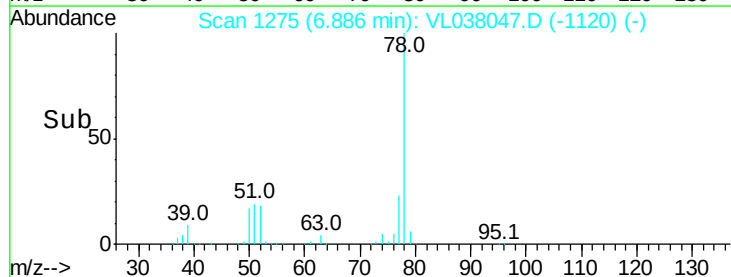
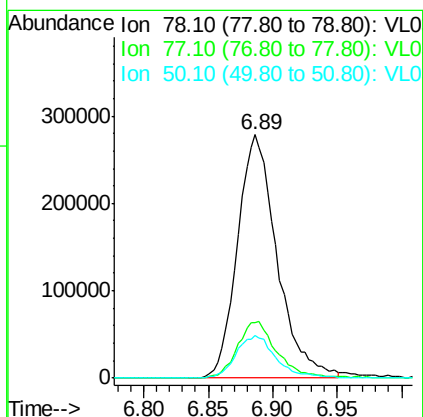
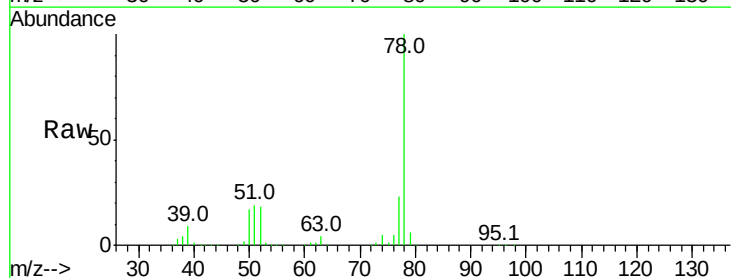
#35
Carbon Tetrachloride
Concen: 2.199 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC002
Acq: 18 Nov 2021 9:27

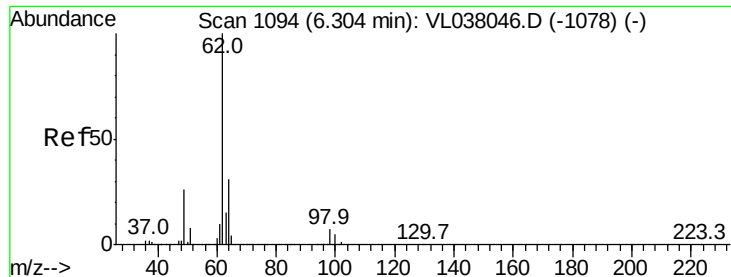
Tgt Ion: 117 Resp: 424824
Ion Ratio Lower Upper
117 100
119 91.9 77.7 116.5
121 27.9 25.6 38.4



#36
Benzene
Concen: 2.243 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

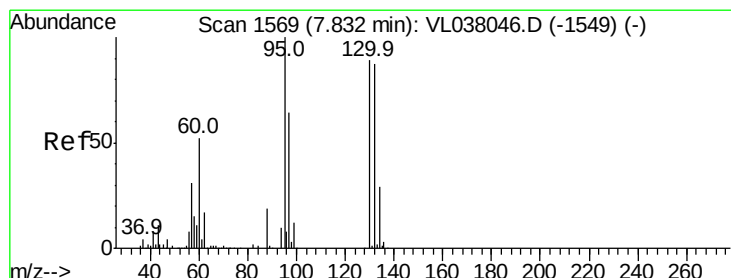
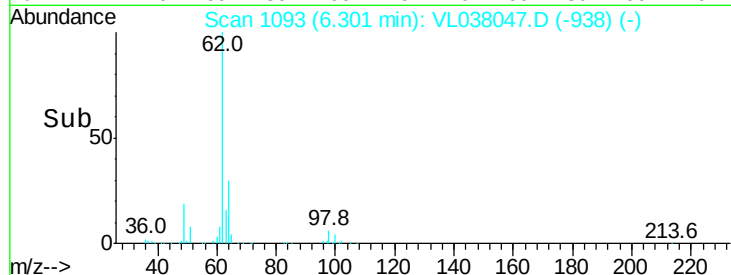
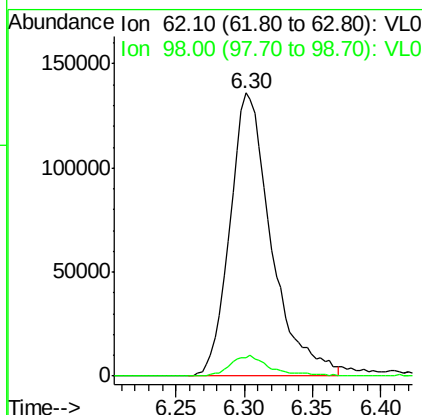
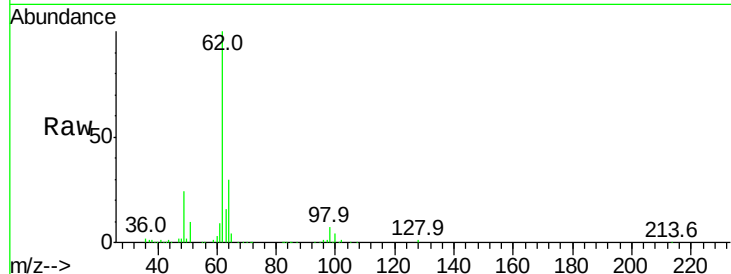
Tgt Ion: 78 Resp: 596276
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.4
50 17.3 14.7 22.1





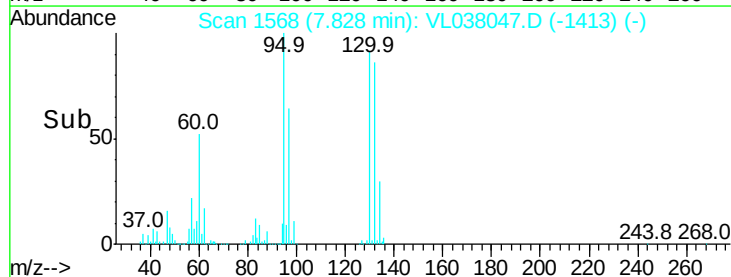
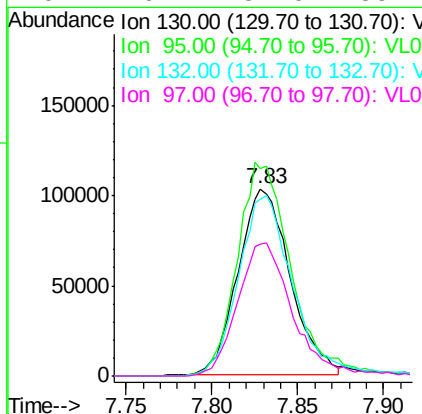
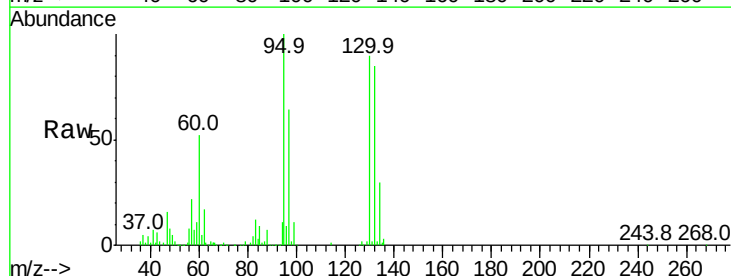
#37
 1,2-Dichloroethane
 Concen: 2.328 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

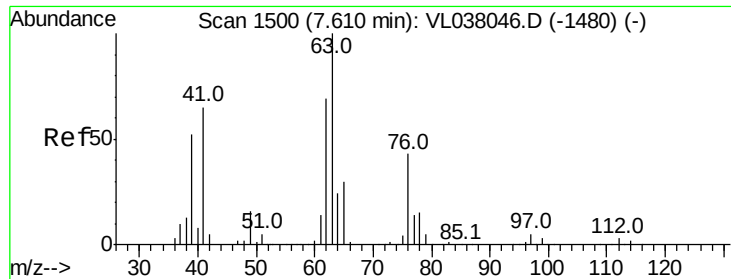
Tgt Ion: 62 Resp: 287309
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.8 8.6



#38
 Trichloroethene
 Concen: 2.004 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

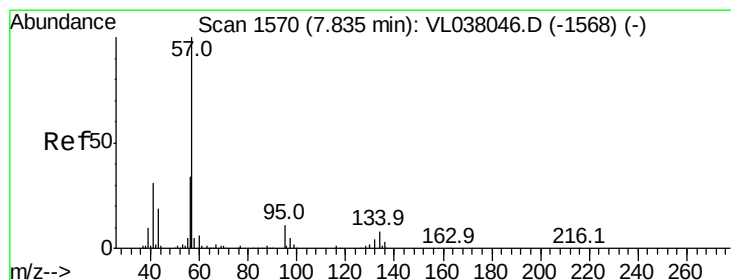
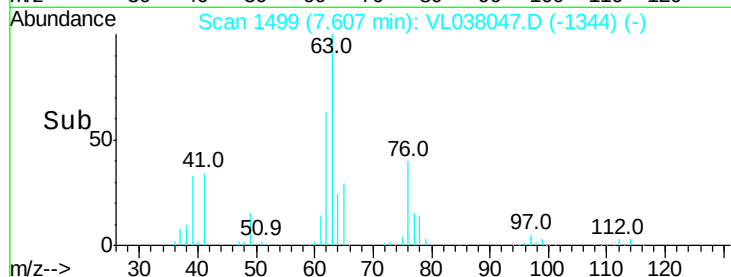
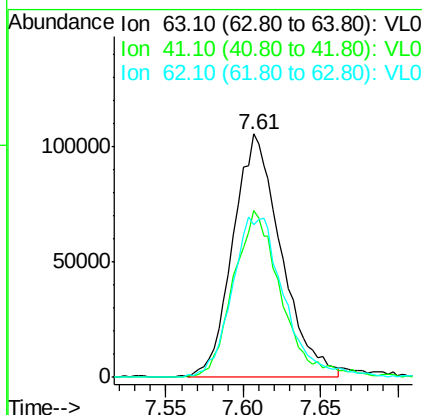
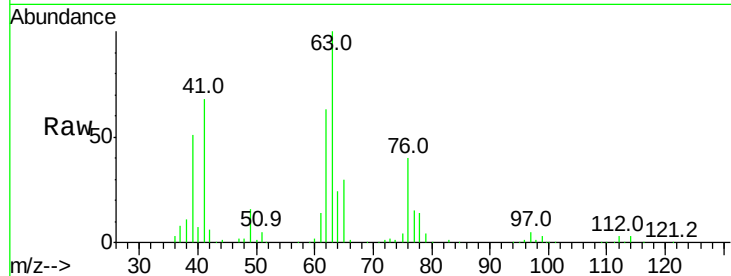
Tgt Ion: 130 Resp: 216465
 Ion Ratio Lower Upper
 130 100
 95 110.6 89.4 134.2
 132 94.6 78.2 117.2
 97 70.7 57.0 85.4





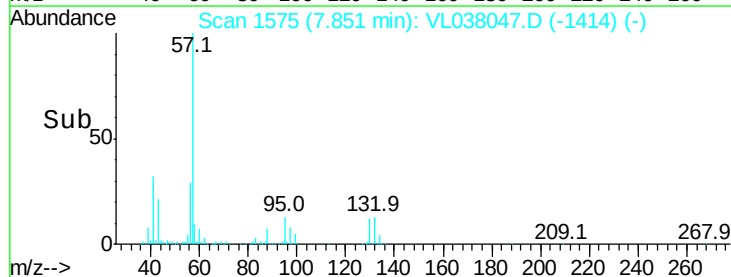
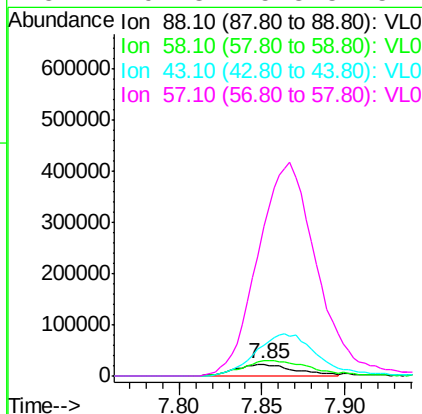
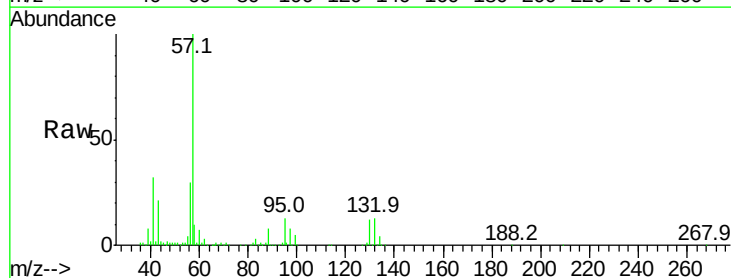
#39
 1,2-Dichloropropane
 Concen: 2.203 ppbv
 RT: 7.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

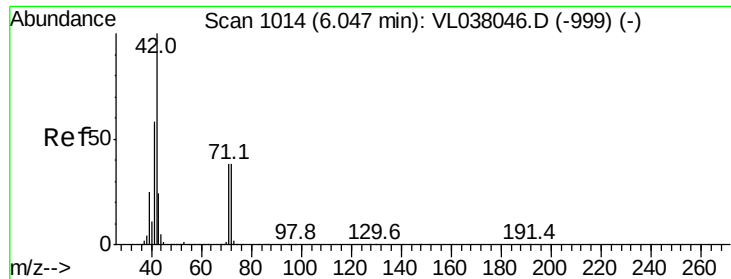
Tgt Ion: 63 Resp: 226433
 Ion Ratio Lower Upper
 63 100
 41 68.1 52.3 78.5
 62 62.1 55.1 82.7



#40
 1,4-Dioxane
 Concen: 2.188 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion: 88 Resp: 57986
 Ion Ratio Lower Upper
 88 100
 58 158.4 229.2 343.8#
 43 384.7 553.3 829.9#
 57 1797.3 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 2.083 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 18 Nov 2021 9:27

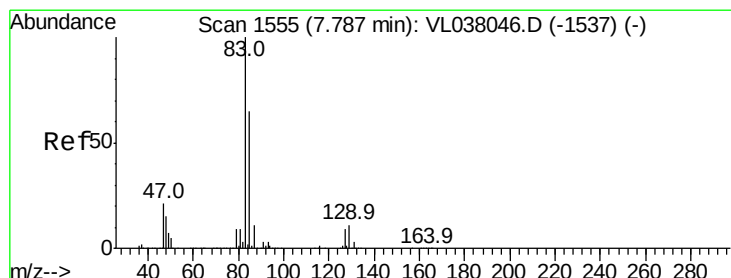
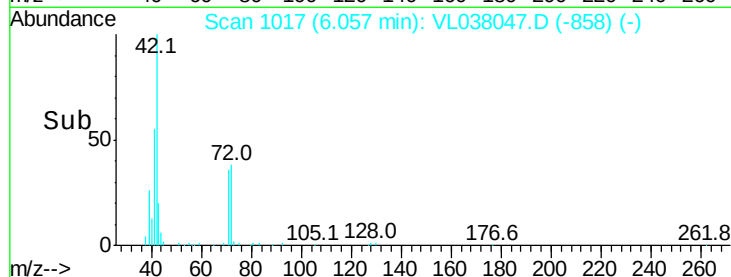
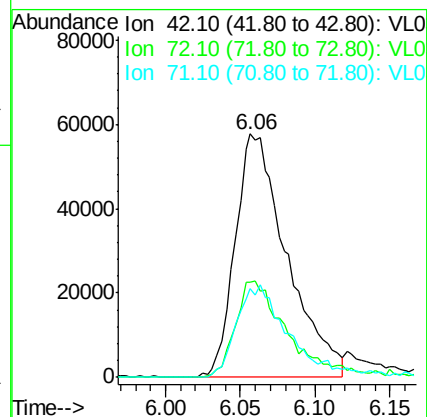
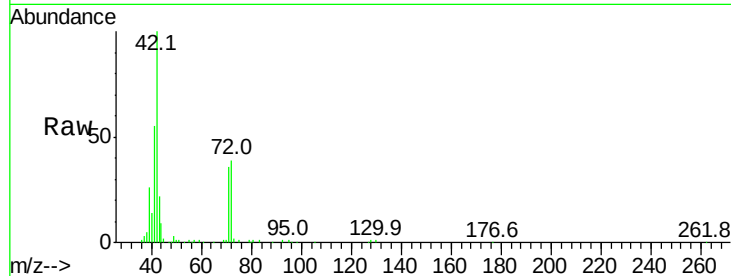
Tgt Ion: 42 Resp: 137788

Ion Ratio Lower Upper

42 100

72 41.5 31.7 47.5

71 40.6 30.6 46.0



#42

Bromodichloromethane

Concen: 2.285 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

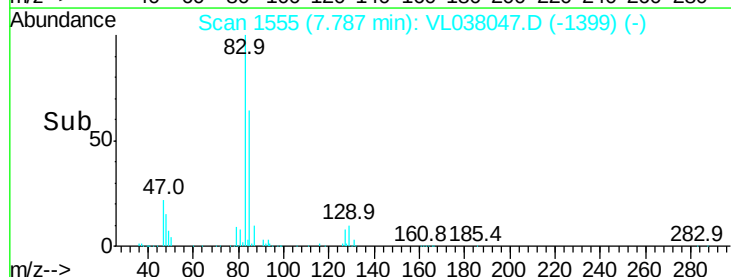
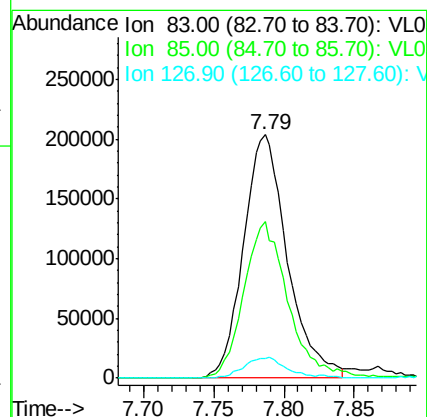
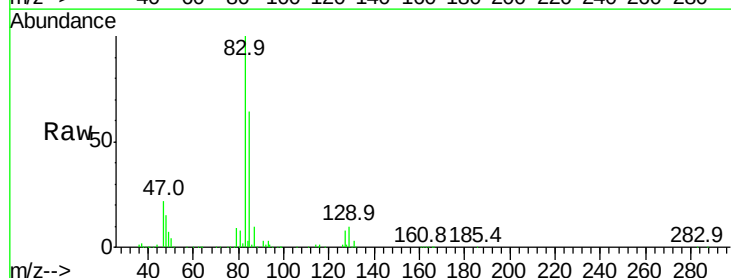
Tgt Ion: 83 Resp: 443963

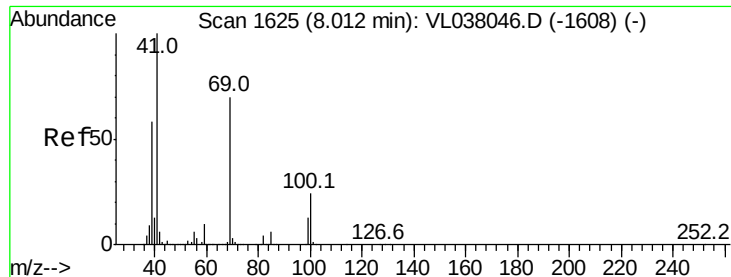
Ion Ratio Lower Upper

83 100

85 64.2 51.9 77.9

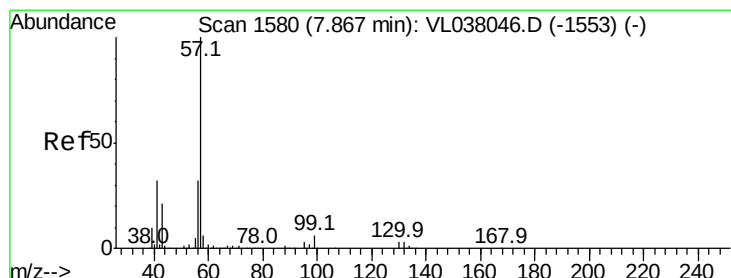
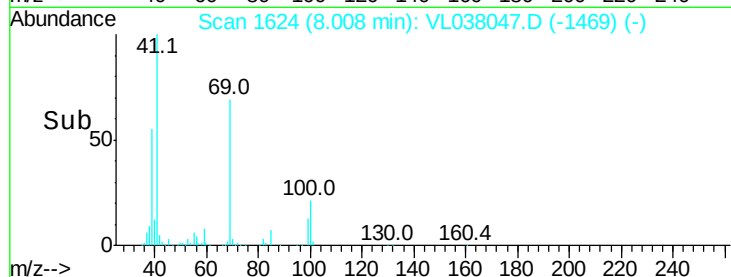
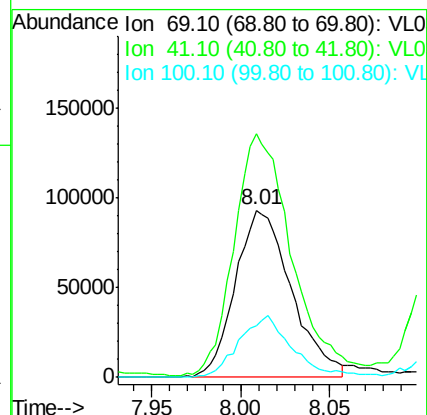
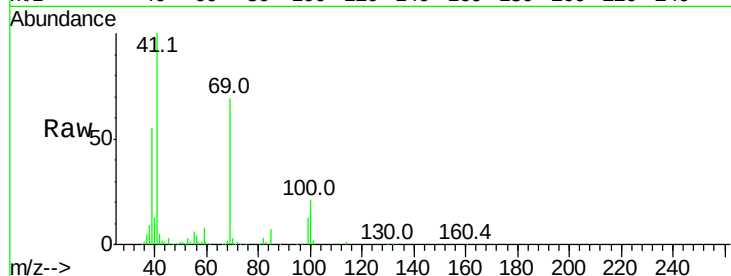
127 8.0 6.8 10.2





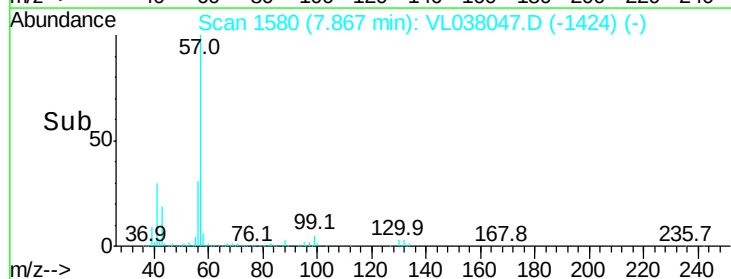
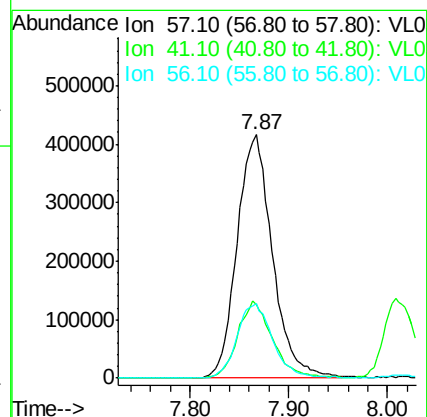
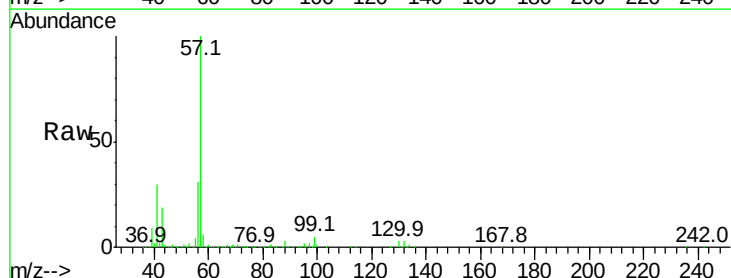
#43
Methyl Methacrylate
Concen: 2.132 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

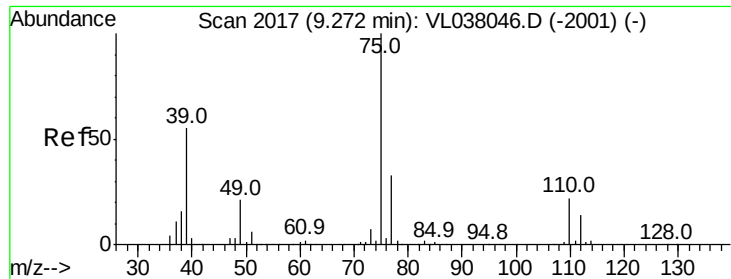
Tgt Ion: 69 Resp: 202220
Ion Ratio Lower Upper
69 100
41 151.9 116.7 175.1
100 35.5 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 2.273 ppbv
RT: 7.87 min Scan# 1580
Delta R.T.: 0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

Tgt Ion: 57 Resp: 1038278
Ion Ratio Lower Upper
57 100
41 31.4 25.8 38.6
56 31.1 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 2.017 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

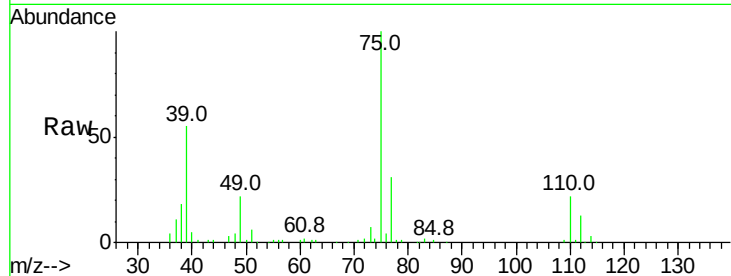
Acq: 18 Nov 2021 VSTDIC002

Tgt Ion: 75 Resp: 158433

Ion Ratio Lower Upper

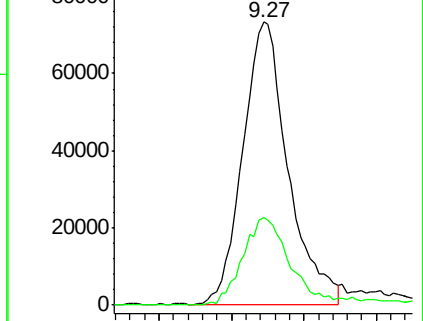
75 100

77 30.7 26.2 39.4

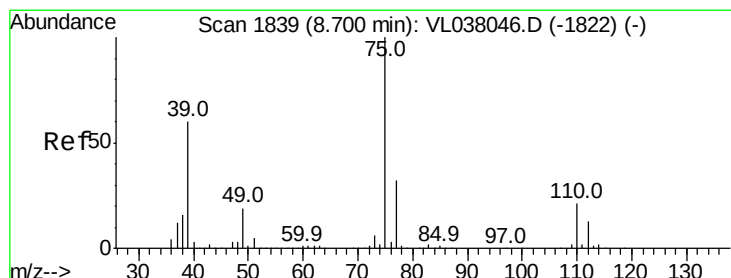
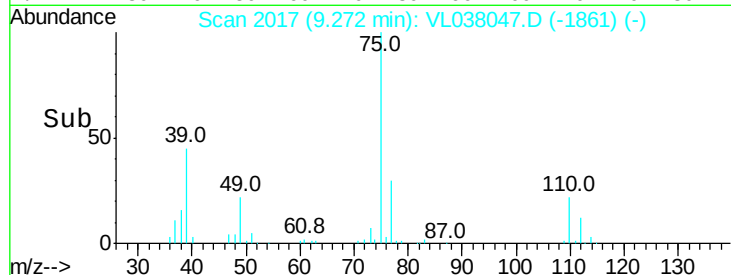


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 2.158 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

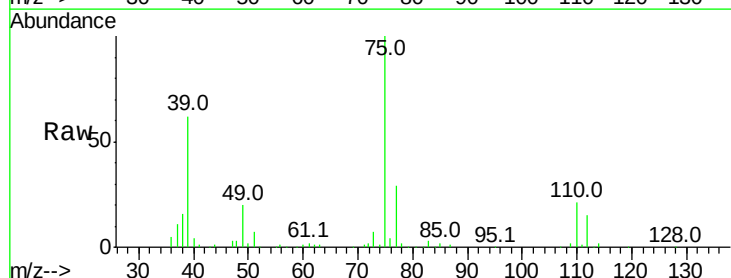
Tgt Ion: 75 Resp: 221481

Ion Ratio Lower Upper

75 100

39 61.6 47.8 71.8

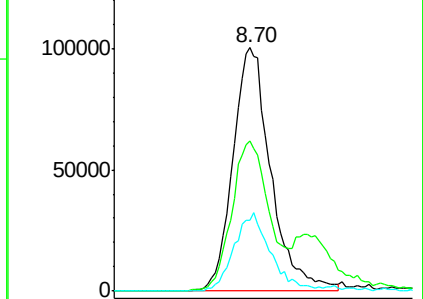
77 28.9 25.5 38.3



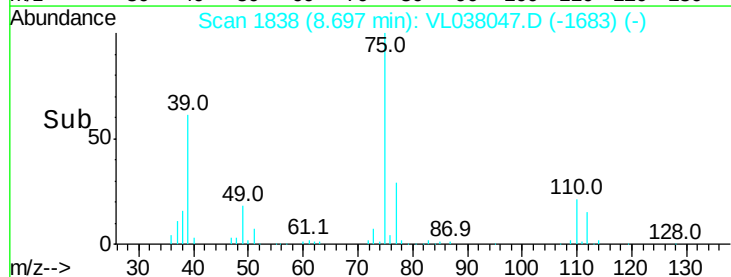
Abundance Ion 75.00 (74.70 to 75.70): VL0

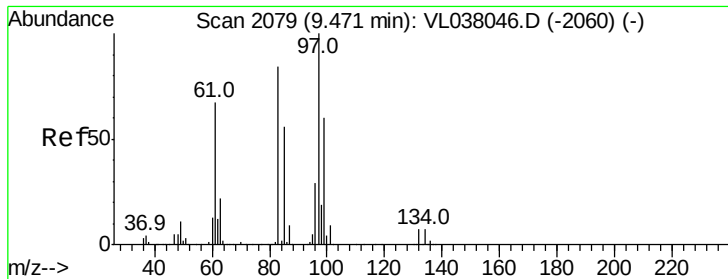
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



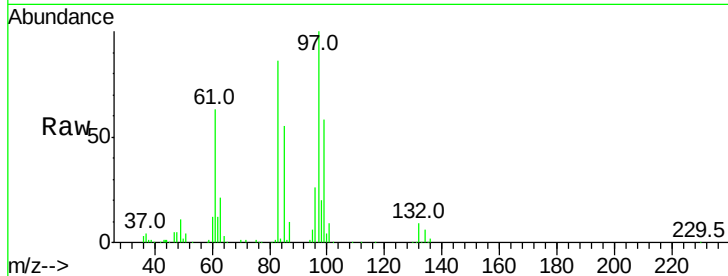
Time-->



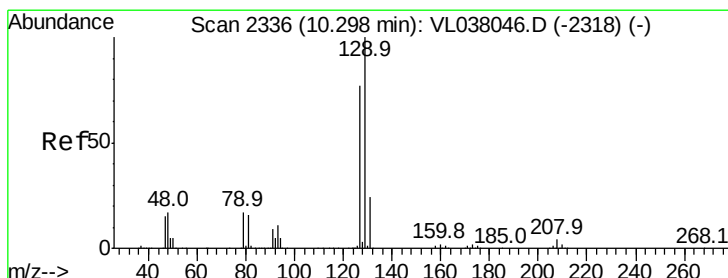
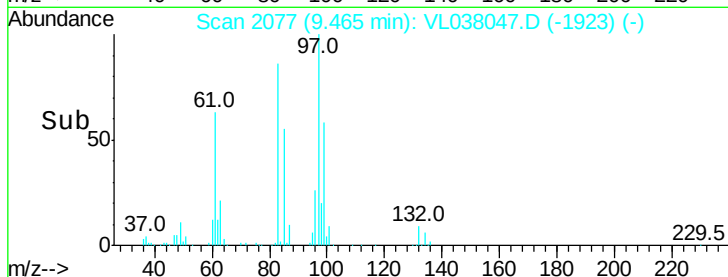
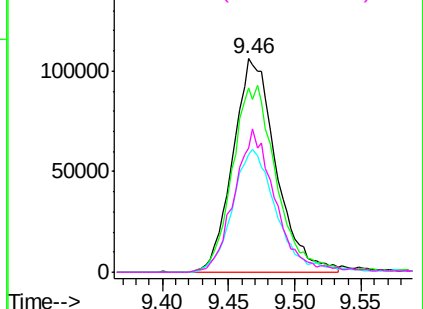


#47
 1,1,2-Trichloroethane
 Concen: 2.308 ppbv
 RT: 9.46
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

Tgt Ion:	97	Resp:	240912
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.8	100.2
85	54.9	44.9	67.3
99	58.0	48.0	72.0

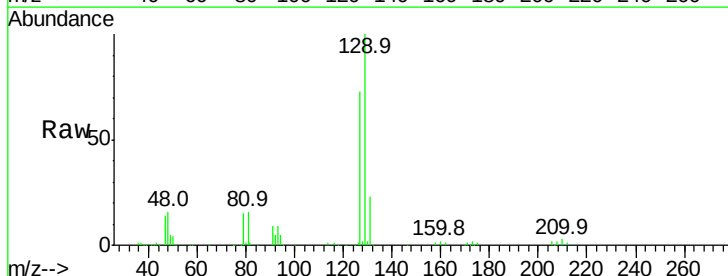


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

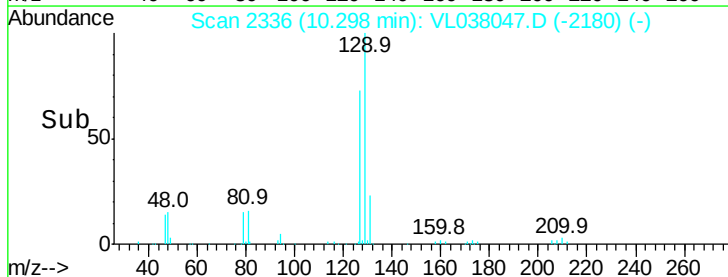
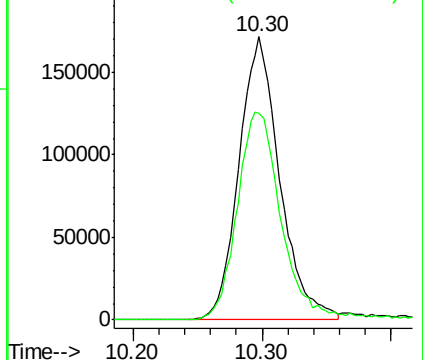


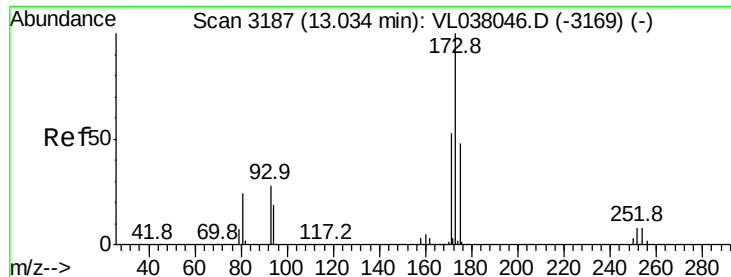
#48
 Dibromochloromethane
 Concen: 2.223 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion:	129	Resp:	377266
Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.131 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC002

Acq: 18 Nov 2021 9:27

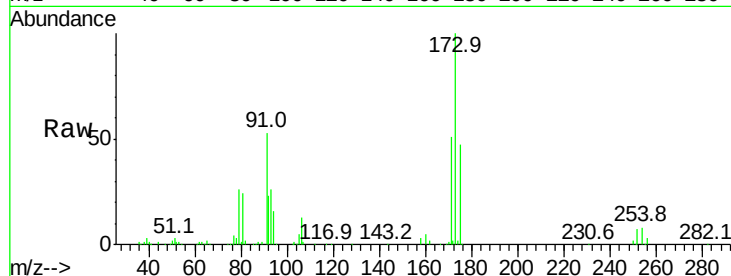
Tgt Ion: 173 Resp: 279105

Ion Ratio Lower Upper

173 100

175 50.0 42.5 63.7

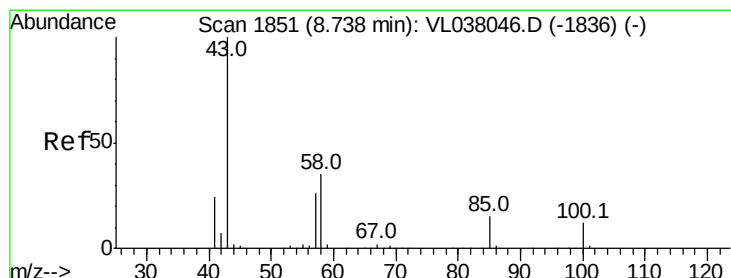
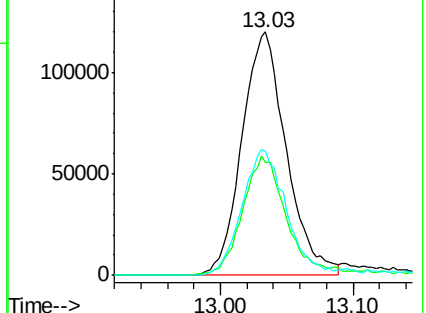
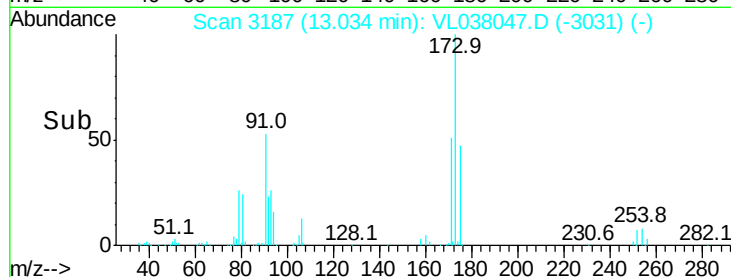
171 54.2 44.0 66.0



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: 2.172 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL038047.D

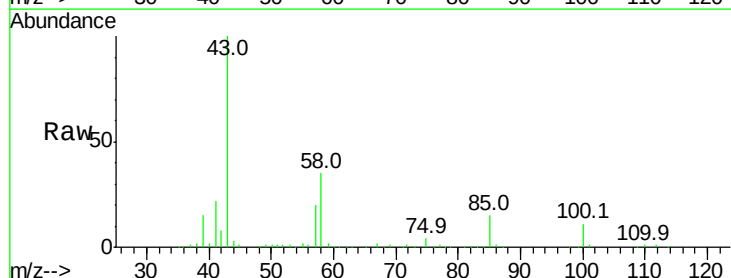
Acq: 18 Nov 2021 9:27

Tgt Ion: 43 Resp: 360959

Ion Ratio Lower Upper

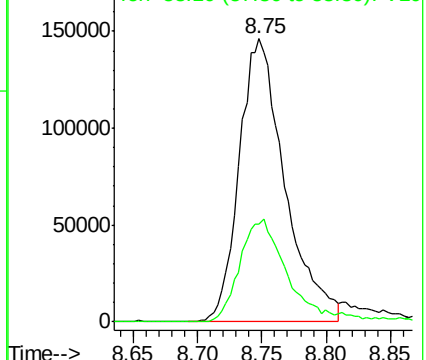
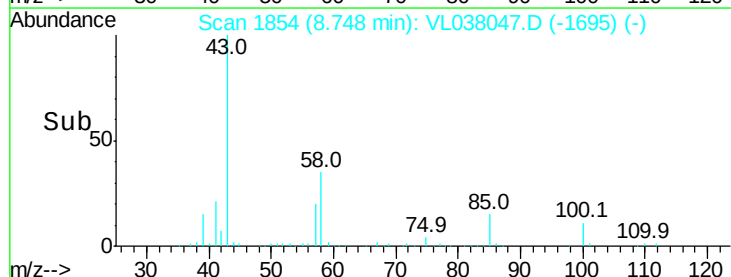
43 100

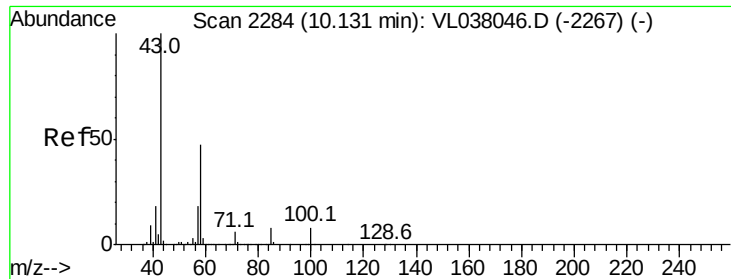
58 39.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

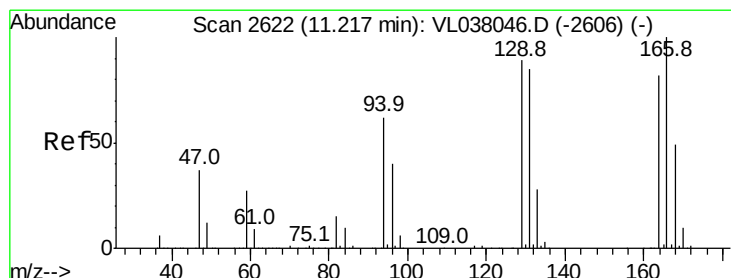
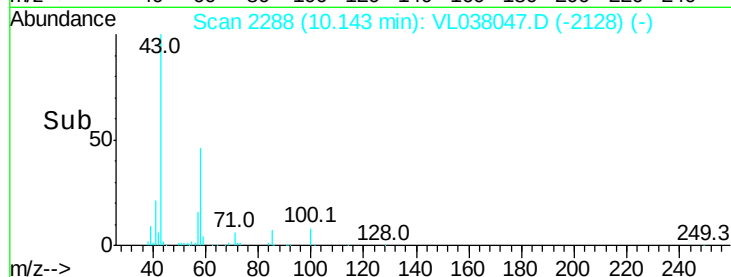
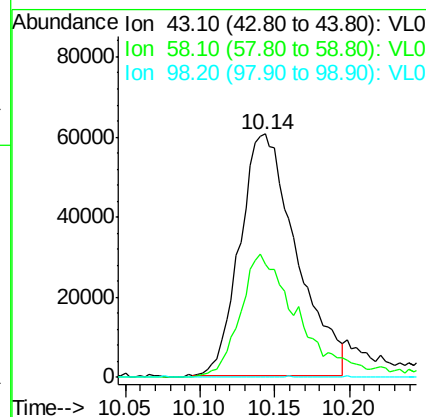
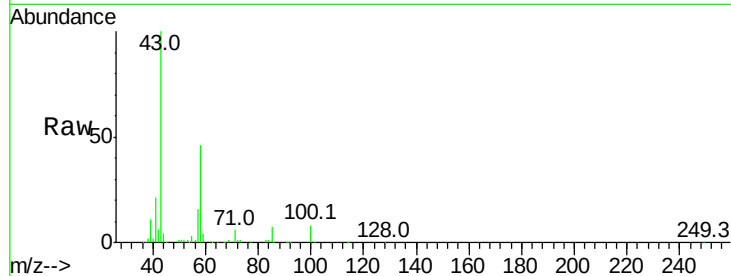
Ion 58.10 (57.80 to 58.80): VL0





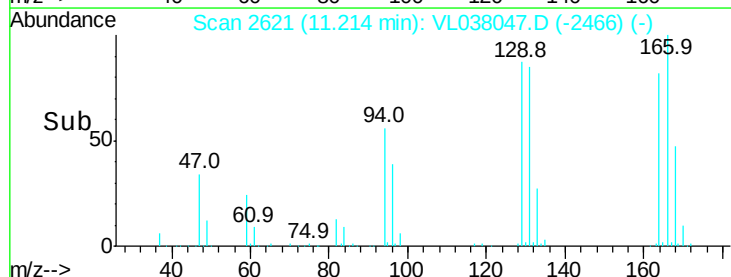
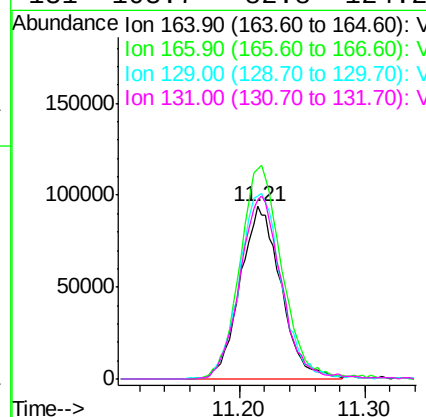
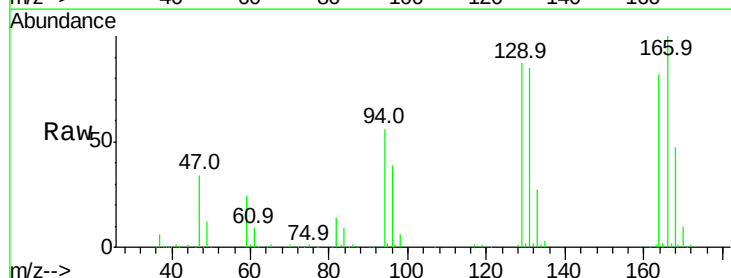
#51
2-Hexanone
Concen: 2.057 ppbv
RT: 10.14 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

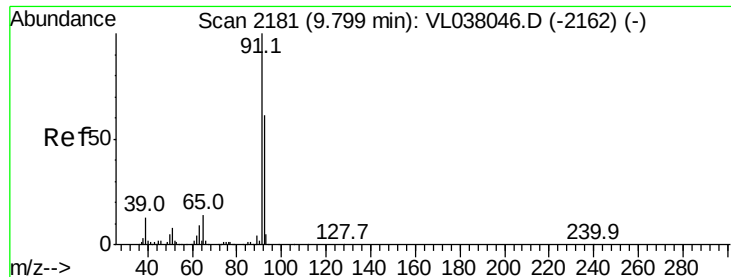
Tgt Ion: 43 Resp: 159687
Ion Ratio Lower Upper
43 100
58 54.9 41.1 61.7
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 2.108 ppbv
RT: 11.21 min Scan# 2621
Delta R.T.: -0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

Tgt Ion: 164 Resp: 211602
Ion Ratio Lower Upper
164 100
166 121.6 97.2 145.8
129 105.6 86.9 130.3
131 103.7 82.8 124.2





#53

Toluene

Concen: 2.247 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

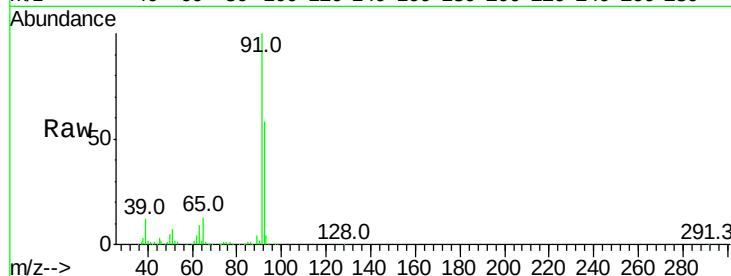
Acq: 18 Nov 2021 9:27 VSTDIC002

Tgt Ion: 91 Resp: 698655

Ion Ratio Lower Upper

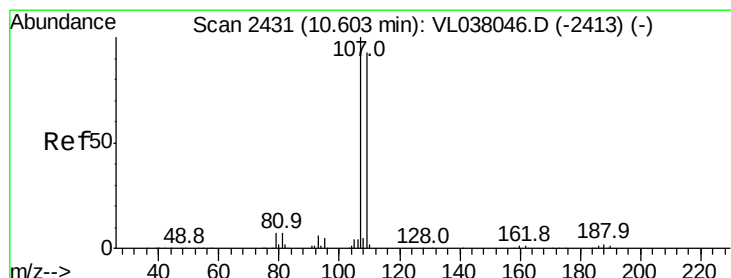
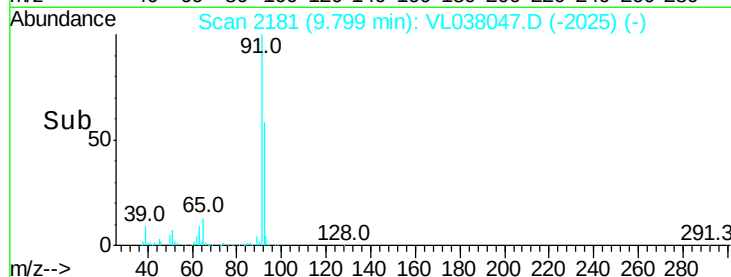
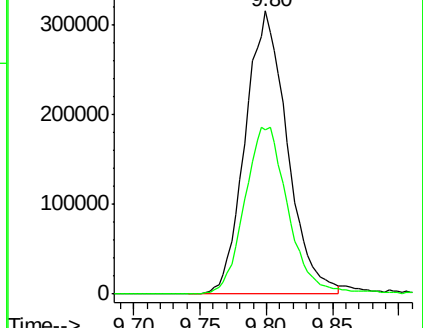
91 100

92 61.5 49.7 74.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.318 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038047.D

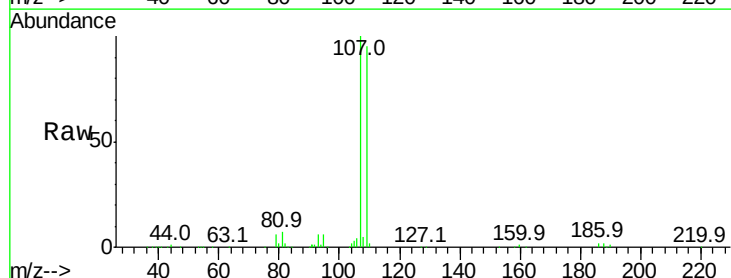
Acq: 18 Nov 2021 9:27

Tgt Ion: 107 Resp: 339012

Ion Ratio Lower Upper

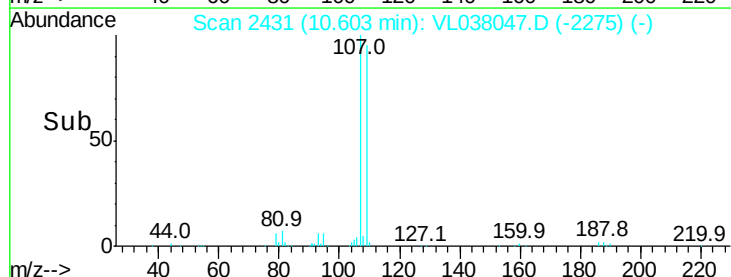
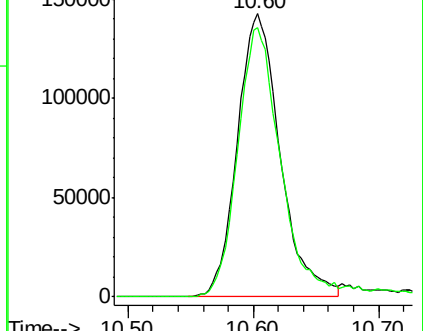
107 100

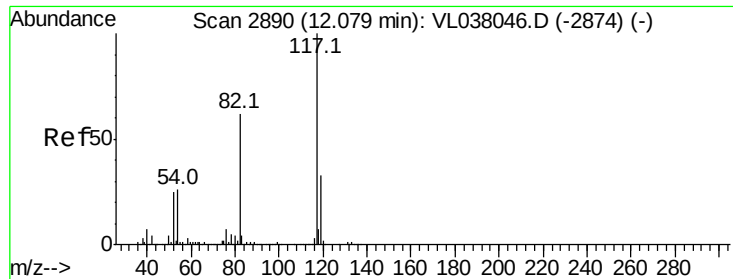
109 95.1 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

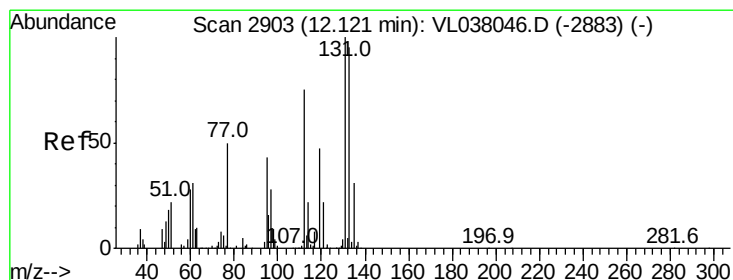
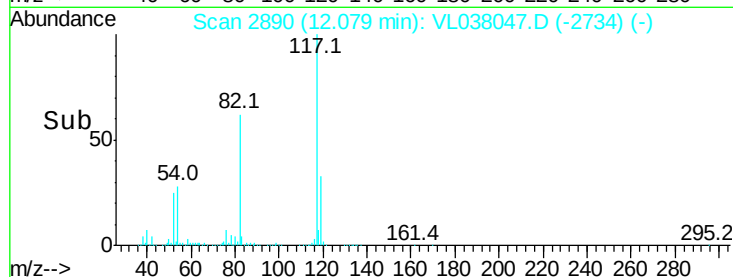
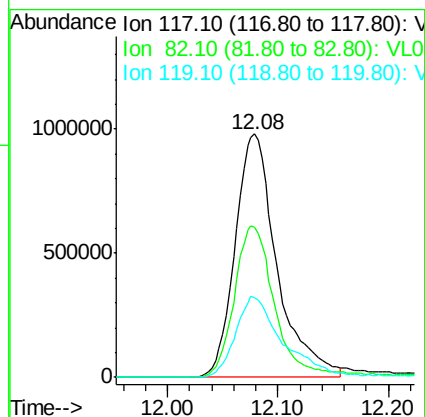
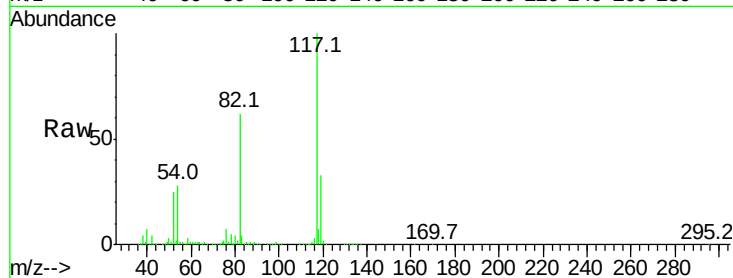
Ion 109.00 (108.70 to 109.70): V





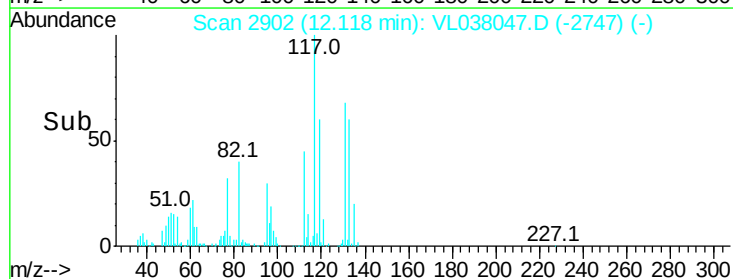
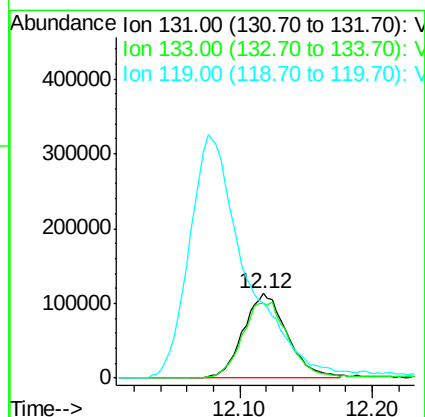
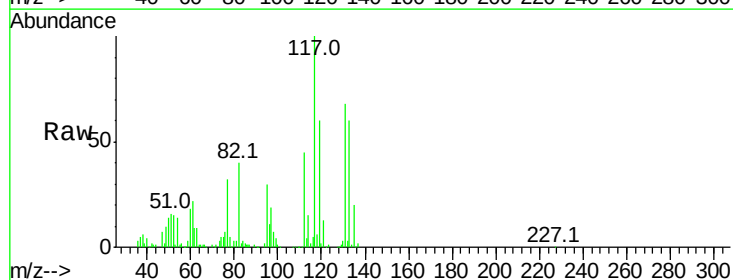
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

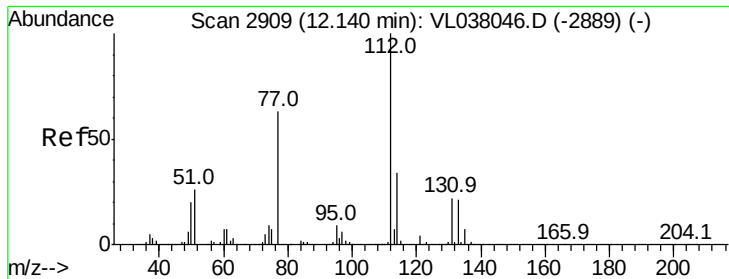
Tgt Ion:117 Resp: 2575159
Ion Ratio Lower Upper
117 100
82 62.4 52.8 79.2
119 39.2 26.8 40.2



#56
1,1,1,2-Tetrachloroethane
Concen: 2.309 ppbv
RT: 12.12 min Scan# 2902
Delta R.T.: -0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

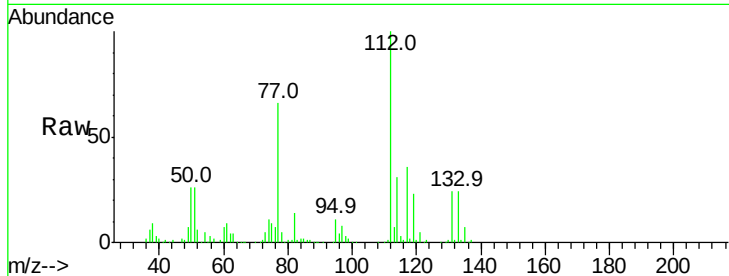
Tgt Ion:131 Resp: 259575
Ion Ratio Lower Upper
131 100
133 98.0 78.8 118.2
119 383.7 56.3 84.5#





#57
Chlorobenzene
Concen: 2.357 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 18 Nov 2021 9:27

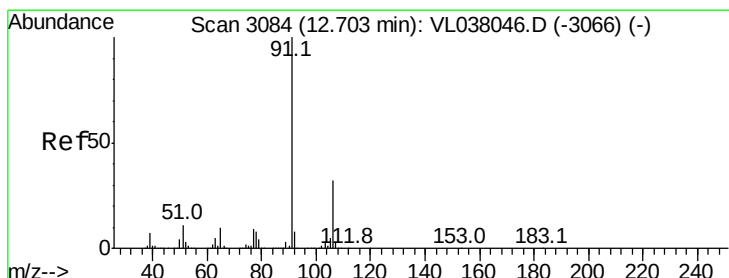
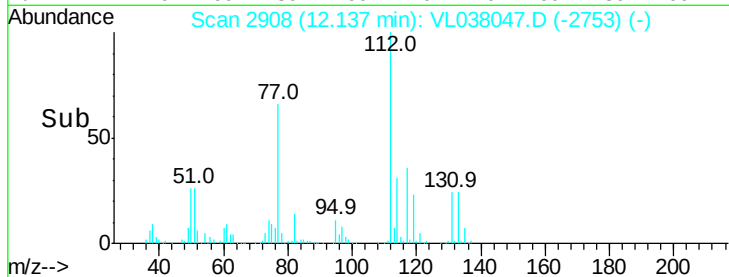
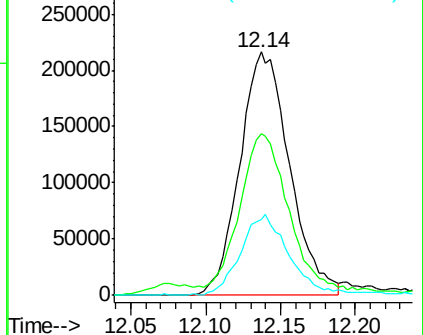
Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.0	50.3	75.5
114	31.2	30.7	37.5



Abundance Ion 112.10 (111.80 to 112.80): V

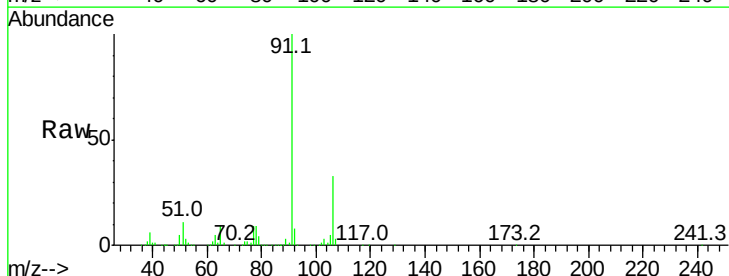
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



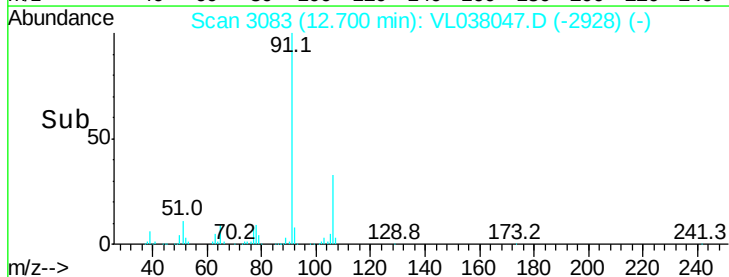
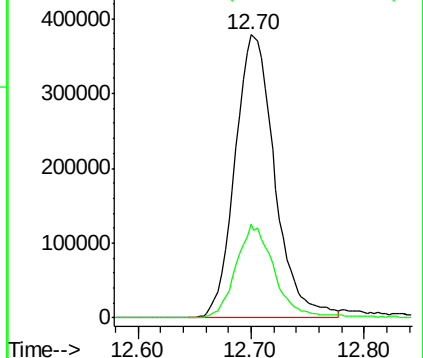
#58
Ethyl Benzene
Concen: 2.364 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: -0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

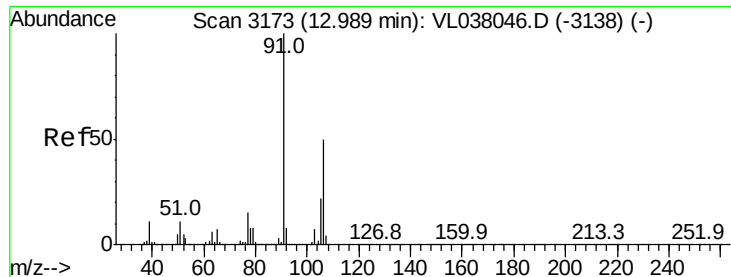
Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.3	25.8	38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

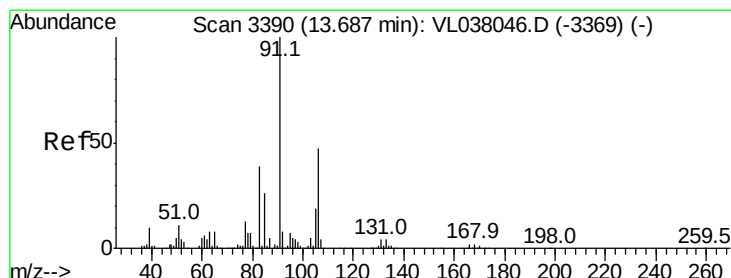
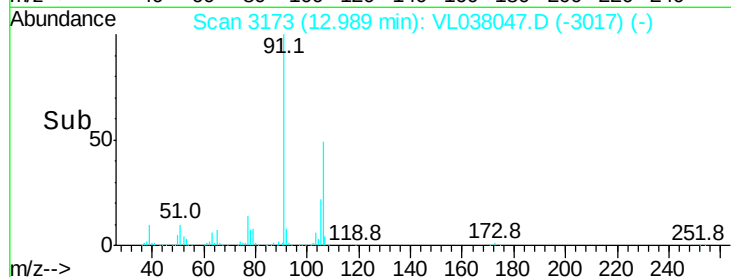
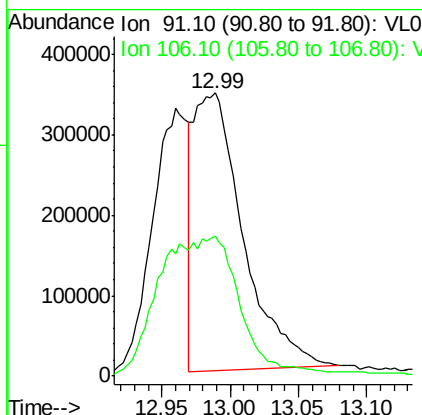
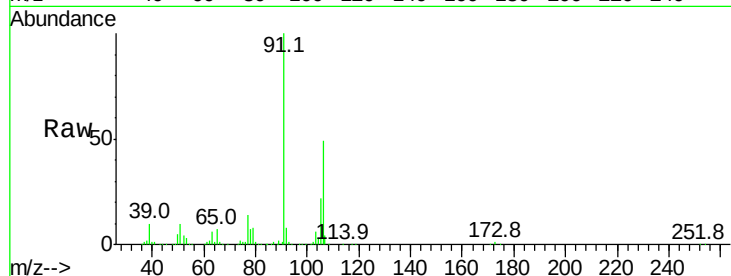
Ion 106.10 (105.80 to 106.80): V





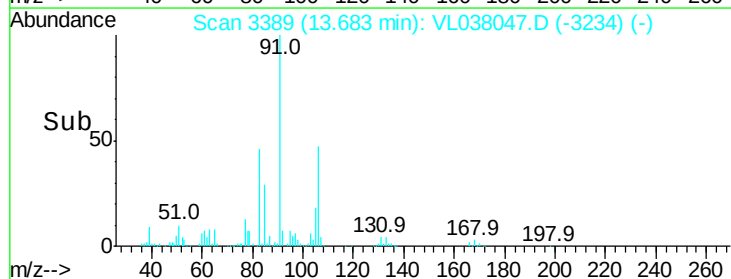
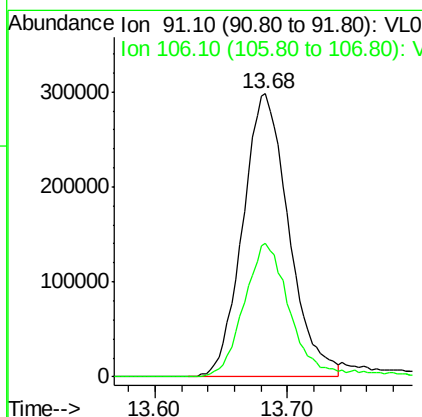
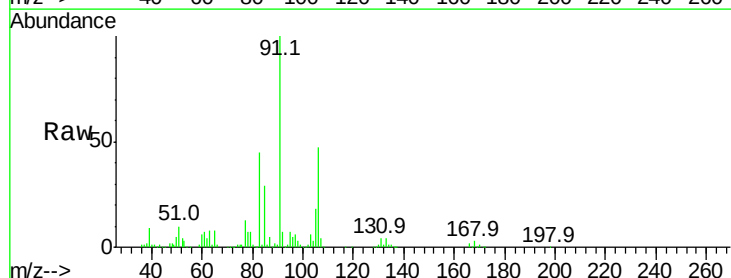
#59
m/p-Xylene
Concen: 2.646 ppbv
RT: 12.99 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 18 Nov 2021 9:27

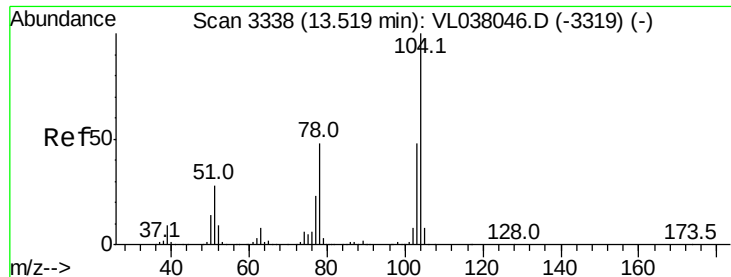
Tgt Ion: 91 Resp: 860138
Ion Ratio Lower Upper
91 100
106 86.0 38.1 57.1#



#60
o-Xylene
Concen: 2.377 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

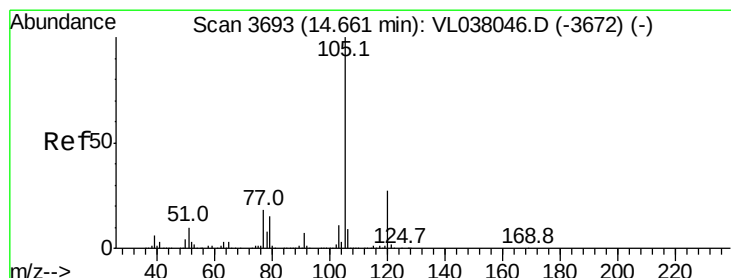
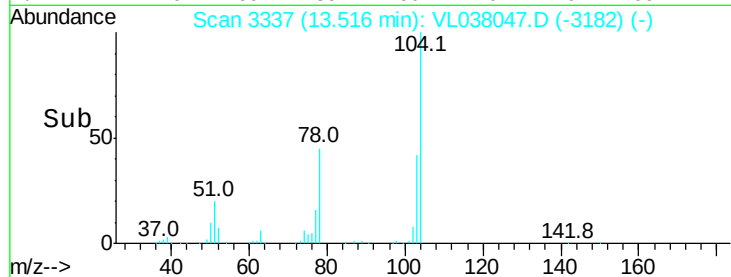
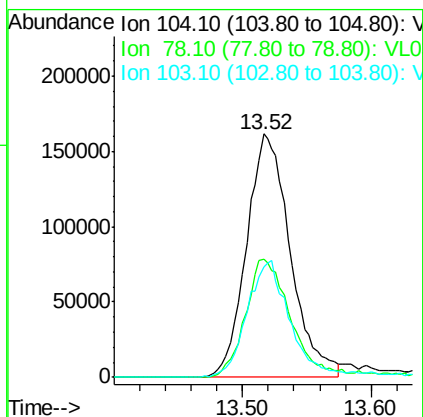
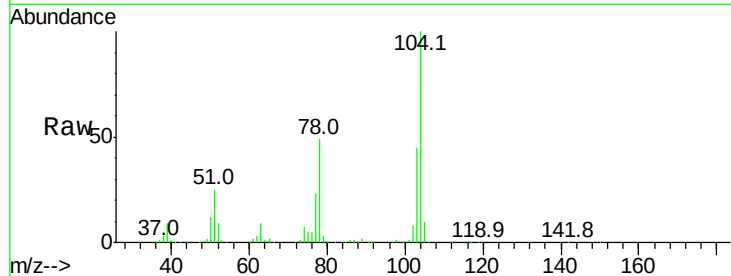
Tgt Ion: 91 Resp: 717068
Ion Ratio Lower Upper
91 100
106 49.2 24.2 72.6





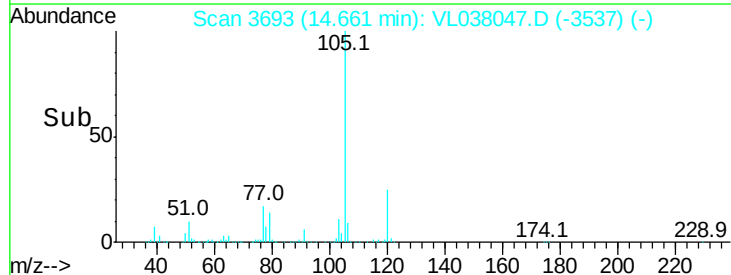
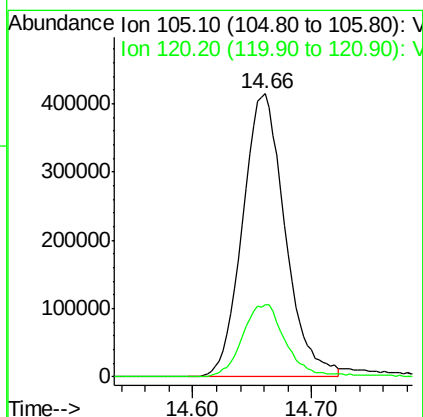
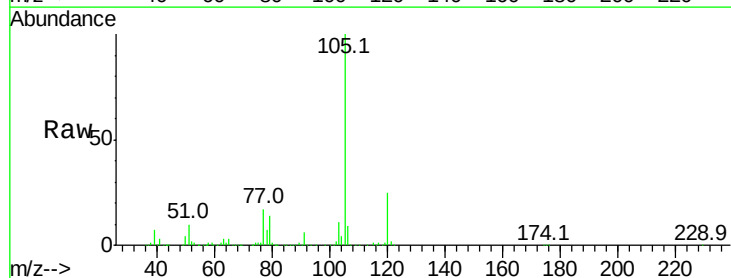
#61
 Styrene
 Concen: 2.269 ppbv
 RT: 13.52
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

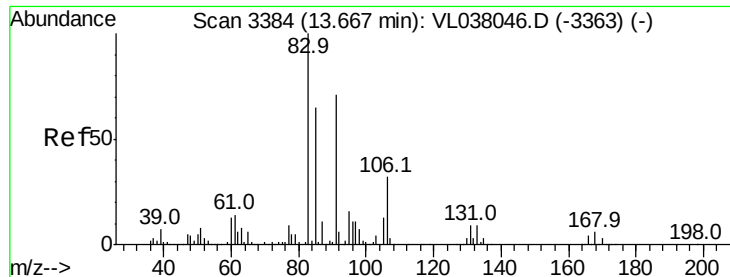
Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.8	59.6
103	48.1	38.2	57.2



#62
 Isopropylbenzene
 Concen: 2.349 ppbv
 RT: 14.66 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

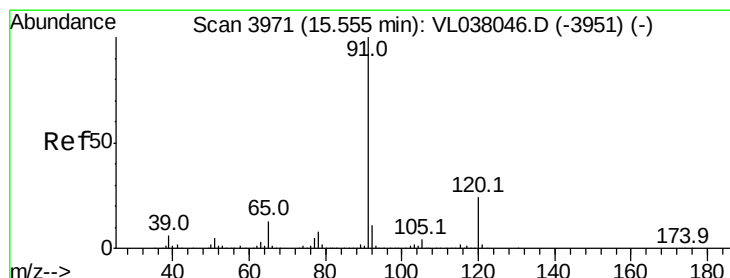
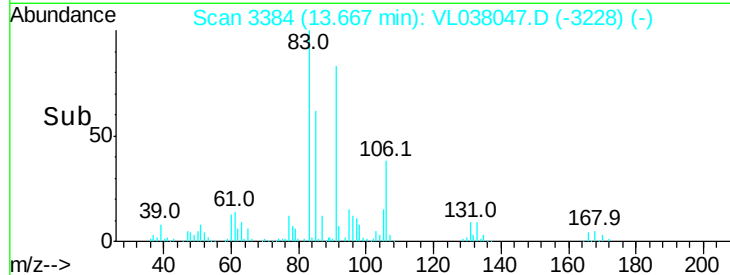
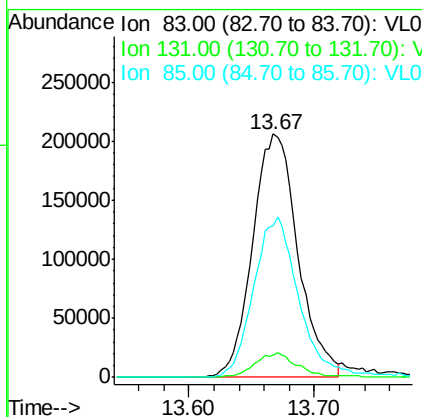
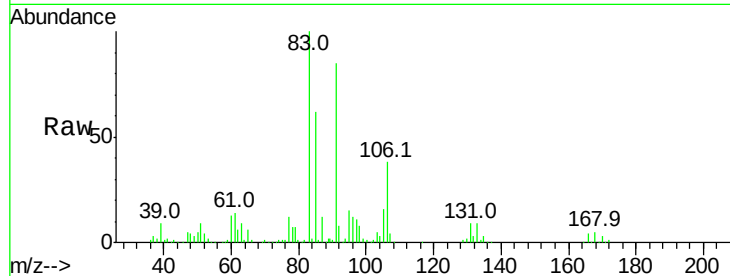
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.8	32.6





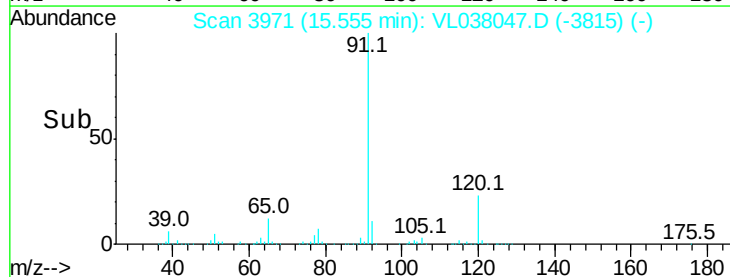
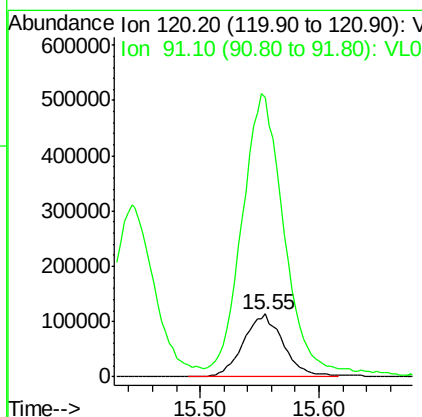
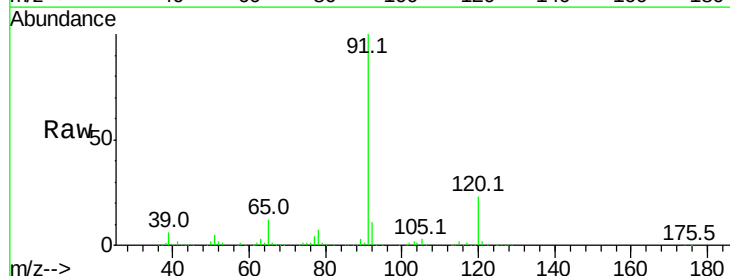
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.301 ppbv
 RT: 13.67
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

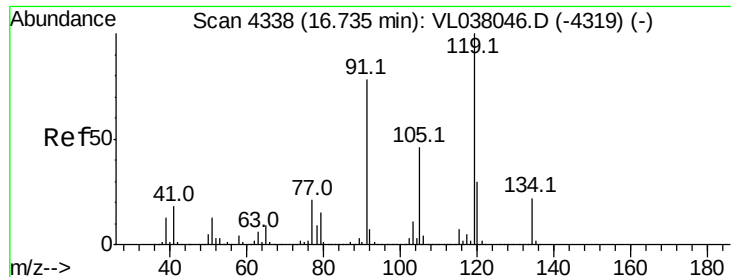
Tgt Ion: 83 Resp: 518972
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.7
 85 66.3 33.4 100.1



#64
 n-propylbenzene
 Concen: 2.389 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

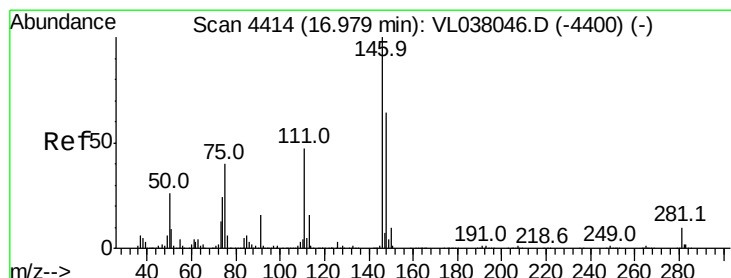
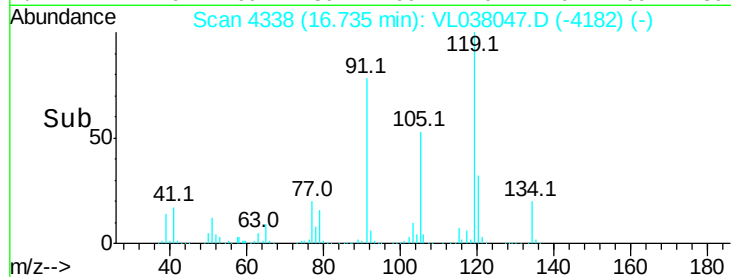
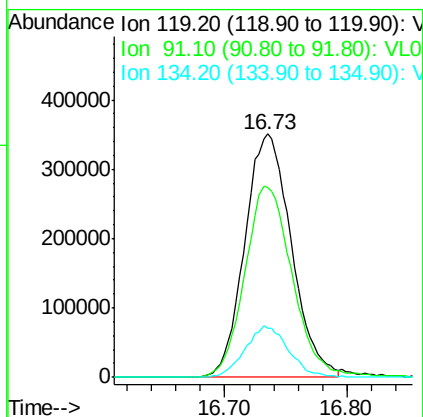
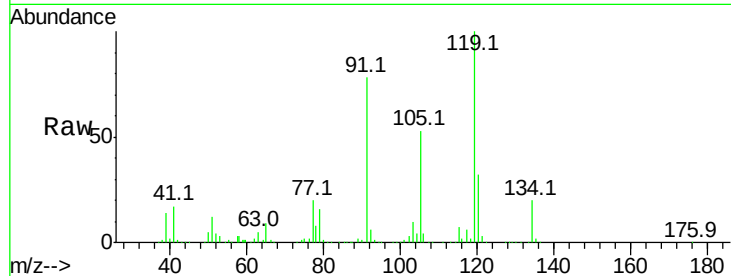
Tgt Ion: 120 Resp: 265602
 Ion Ratio Lower Upper
 120 100
 91 481.6 371.7 557.5





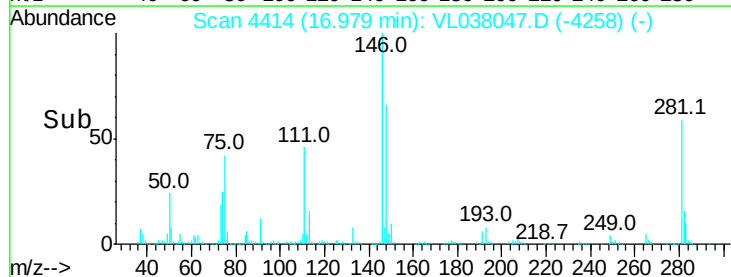
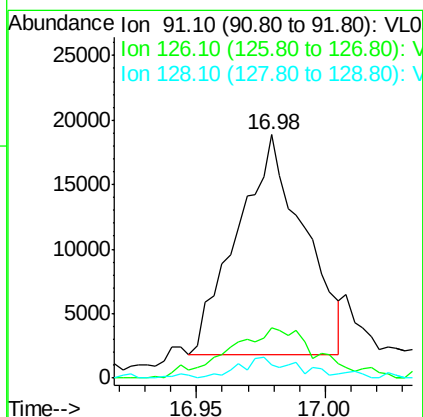
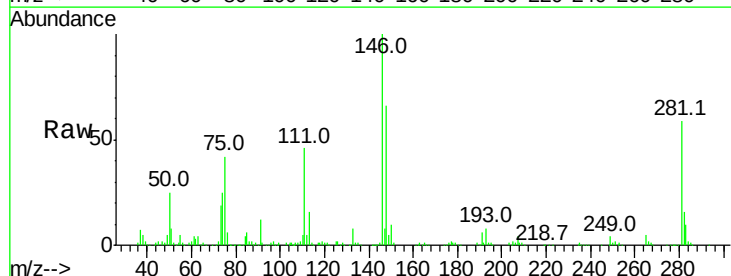
#65
 tert-Butylbenzene
 Concen: 2.422 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

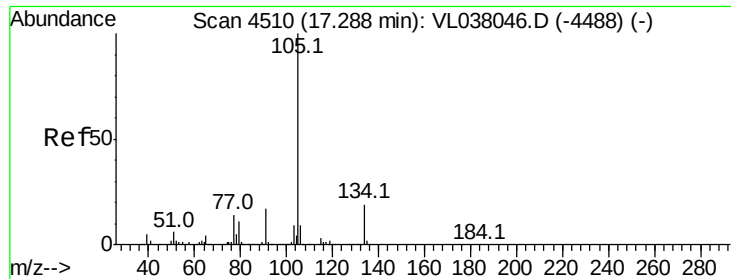
Tgt Ion: 119 Resp: 926963
 Ion Ratio Lower Upper
 119 100
 91 80.7 63.2 94.8
 134 19.9 16.1 24.1



#66
 Benzyl Chloride
 Concen: 1.153 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion: 91 Resp: 30814
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.5 23.3#
 128 10.2 5.6 8.4#





#67

sec-Butylbenzene

Concen: 2.468 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

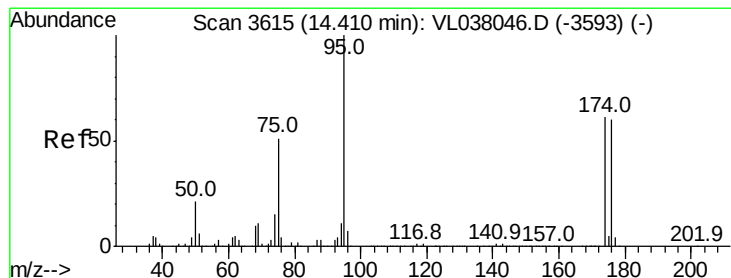
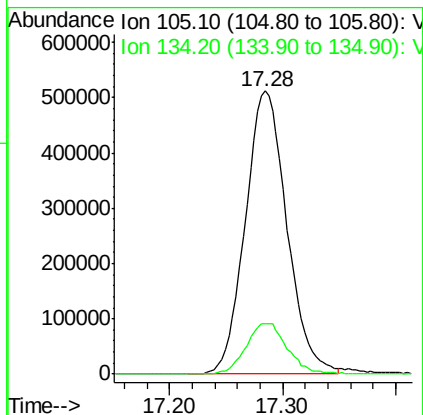
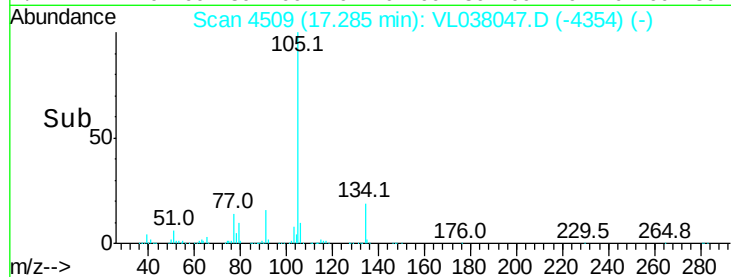
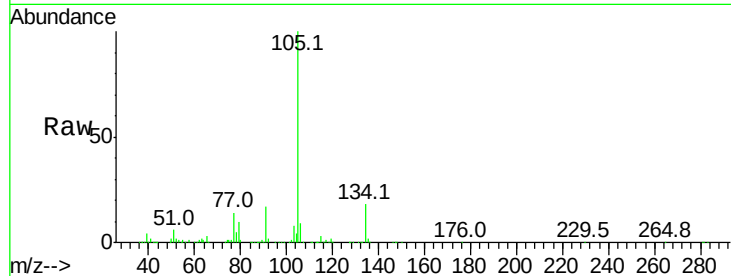
Acq: 18 Nov 2021 9:27

Tgt Ion: 105 Resp: 1304730

Ion Ratio Lower Upper

105 100

134 18.2 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.681 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

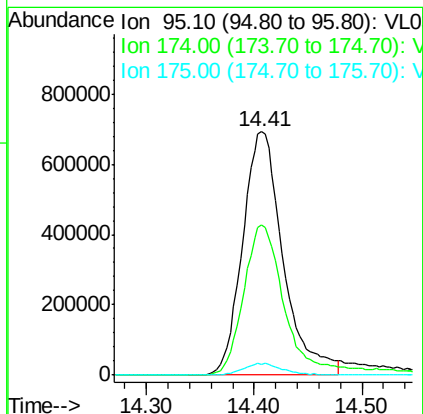
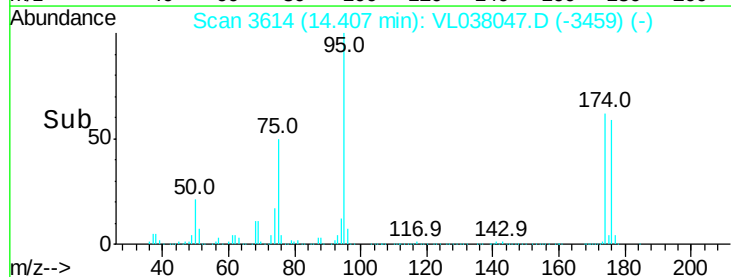
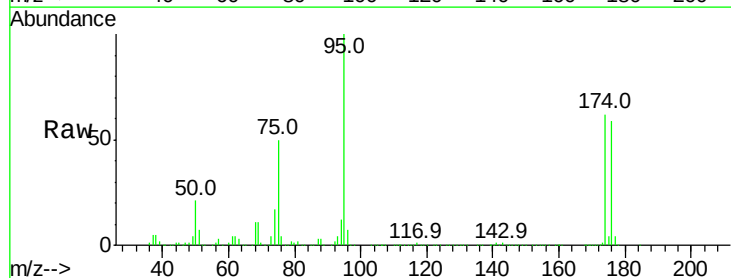
Tgt Ion: 95 Resp: 1801247

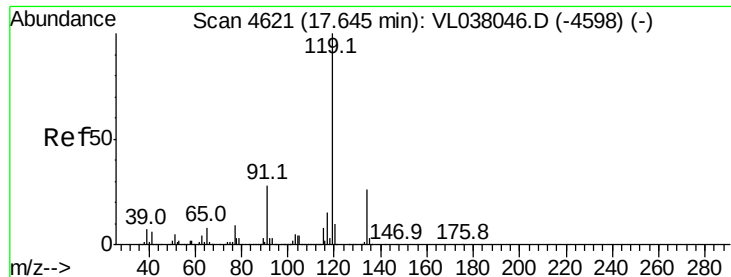
Ion Ratio Lower Upper

95 100

174 65.8 53.1 79.7

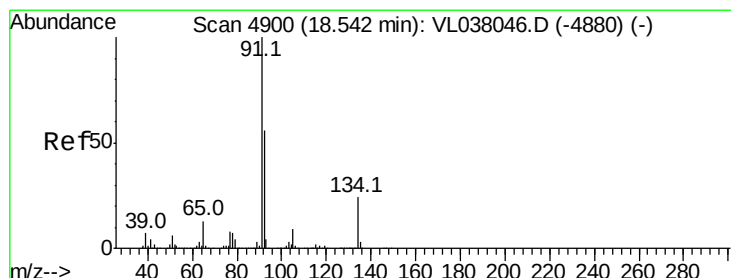
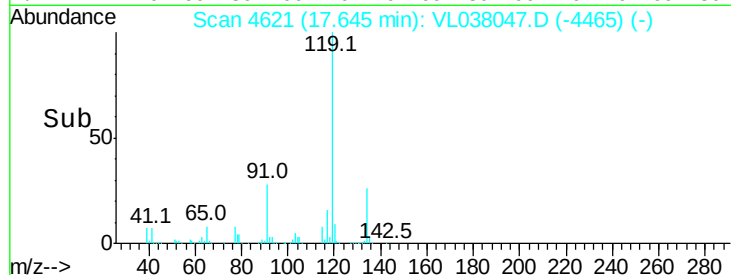
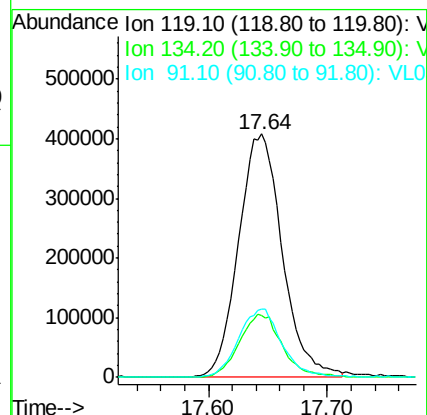
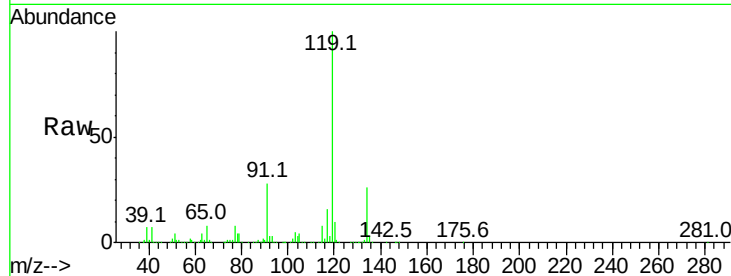
175 4.8 4.0 6.0





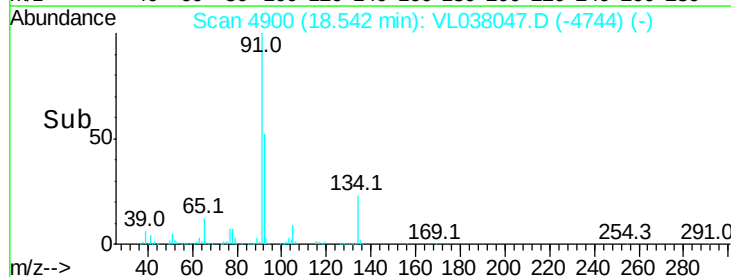
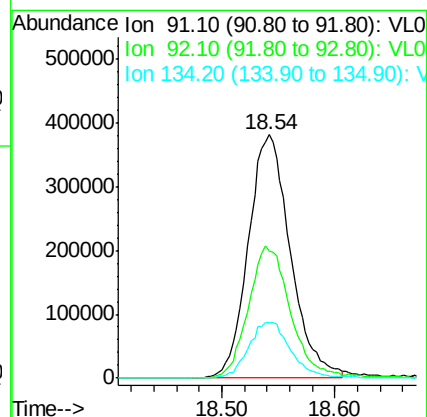
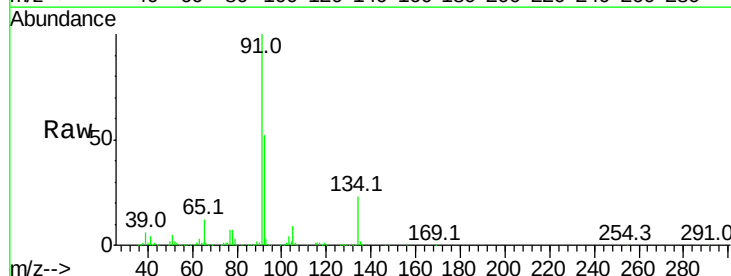
#69
 p-Isopropyltoluene
 Concen: 2.424 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC002
 Acq: 18 Nov 2021 9:27

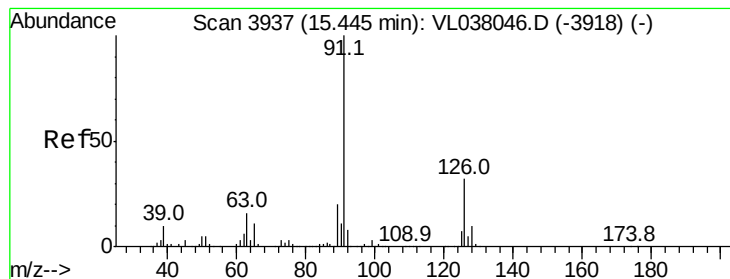
Tgt Ion:	119	Resp:	1033039
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	27.9	22.2	33.4



#70
 n-Butylbenzene
 Concen: 2.511 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

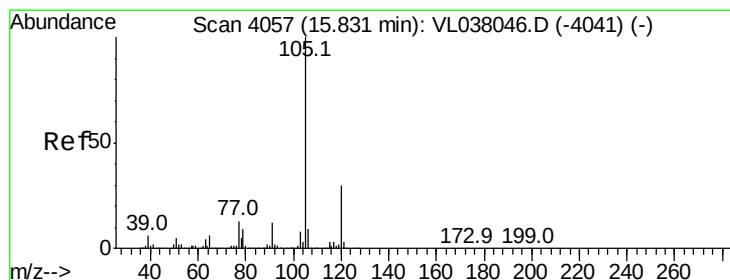
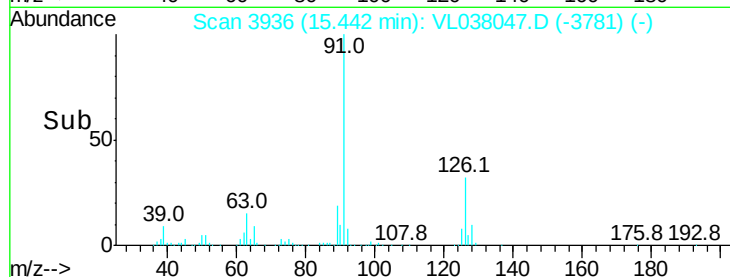
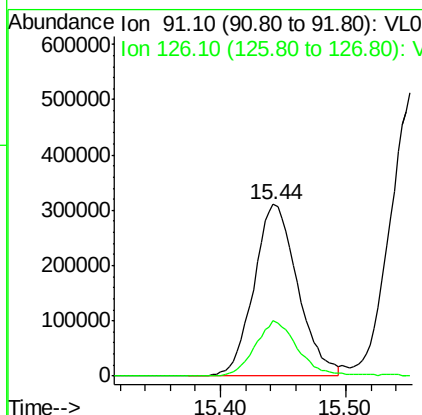
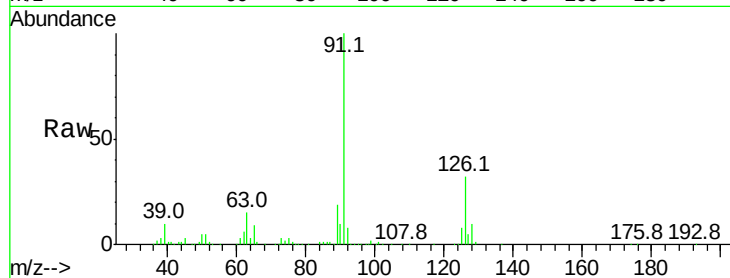
Tgt Ion:	91	Resp:	981117
Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.1	66.1
134	23.4	18.9	28.3





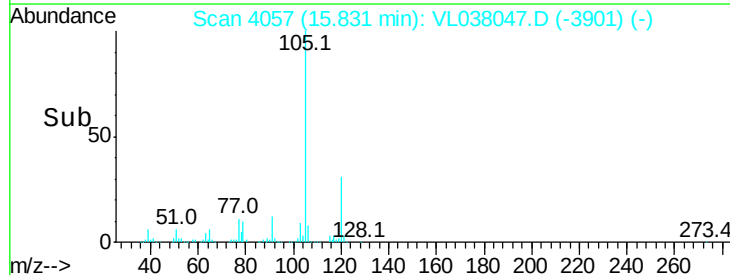
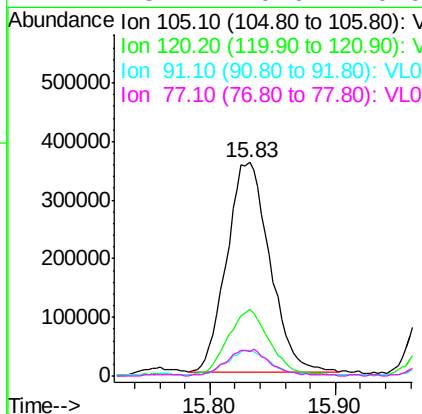
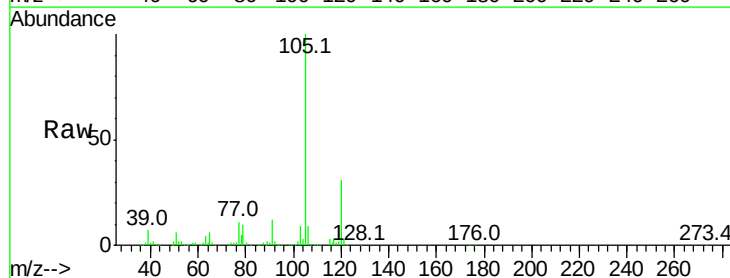
#71
 2-Chlorotoluene
 Concen: 2.410 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC002
 Acq: 18 Nov 2021 9:27

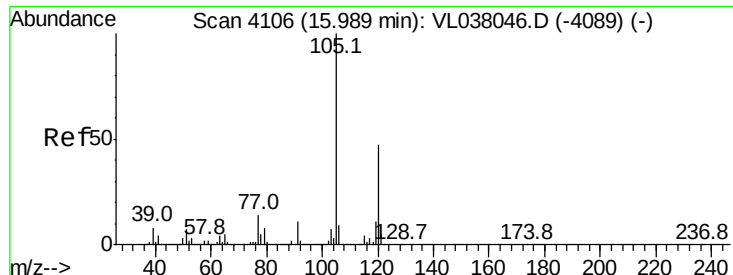
Tgt Ion: 91 Resp: 752342
 Ion Ratio Lower Upper
 91 100
 126 32.4 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 2.360 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

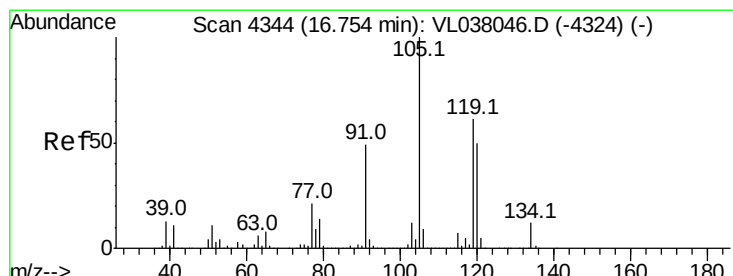
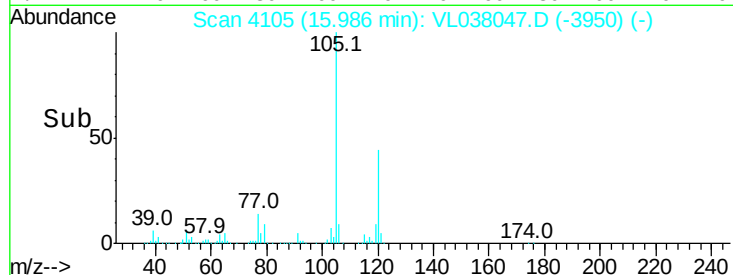
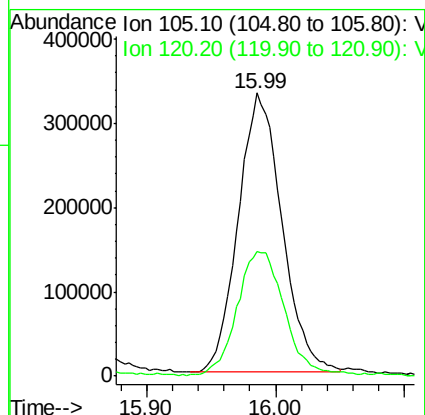
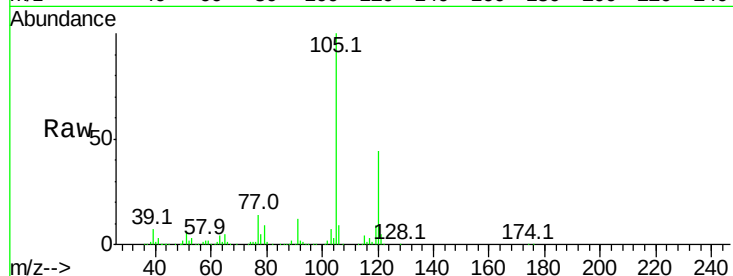
Tgt Ion: 105 Resp: 848840
 Ion Ratio Lower Upper
 105 100
 120 31.9 25.1 37.7
 91 12.1 9.7 14.5
 77 13.1 10.6 16.0





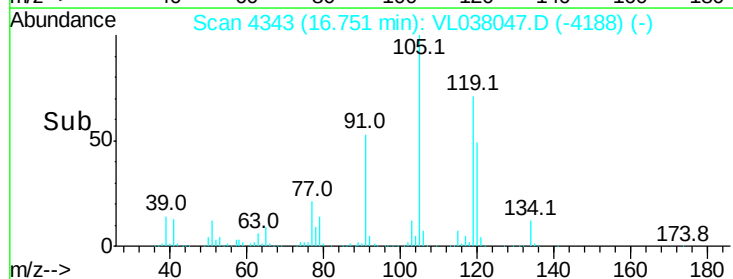
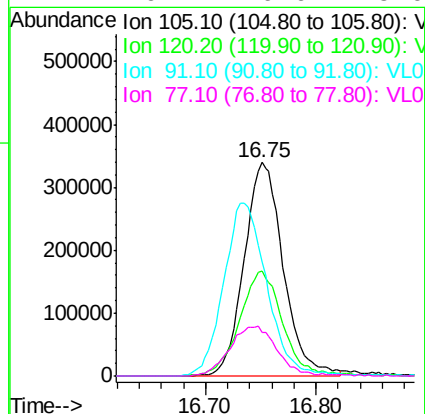
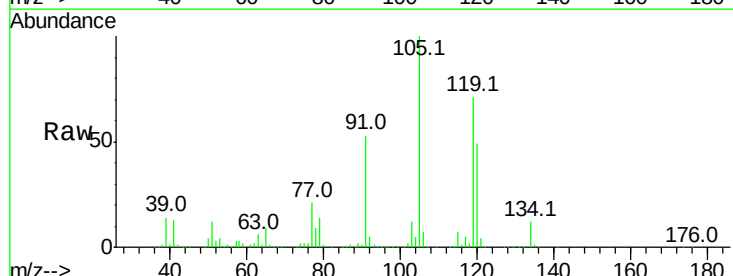
#73
 1,3,5-Trimethylbenzene
 Concen: 2.375 ppbv
 RT: 15.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

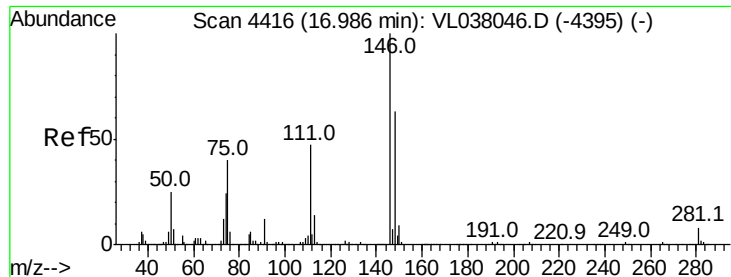
Tgt Ion:105 Resp: 781280
 Ion Ratio Lower Upper
 105 100
 120 44.2 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 2.503 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL038047.D
 Acq: 18 Nov 2021 9:27

Tgt Ion:105 Resp: 829116
 Ion Ratio Lower Upper
 105 100
 120 49.0 40.1 60.1
 91 52.2 39.8 59.8
 77 20.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 2.422 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 18 Nov 2021 9:27

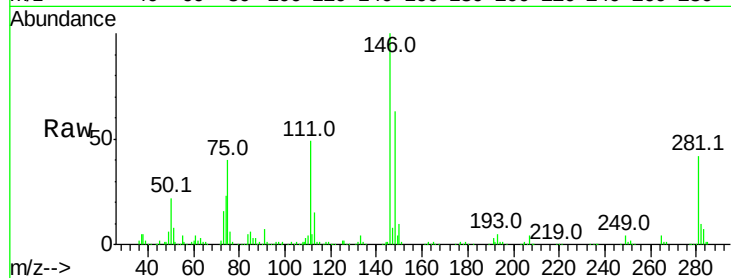
Tgt Ion:146 Resp: 442706

Ion Ratio Lower Upper

146 100

111 48.1 23.5 70.6

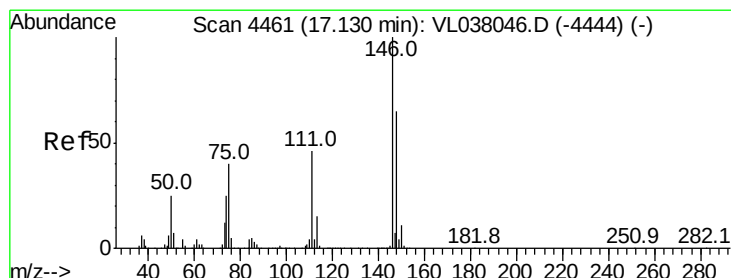
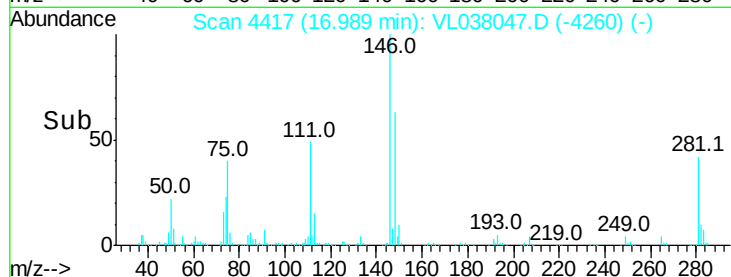
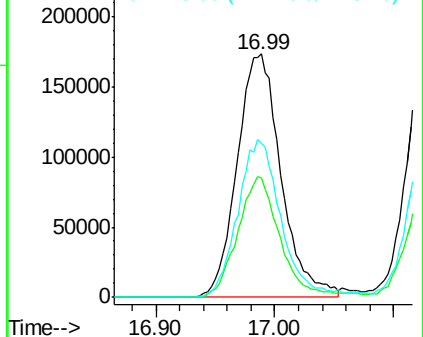
148 64.4 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 2.214 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

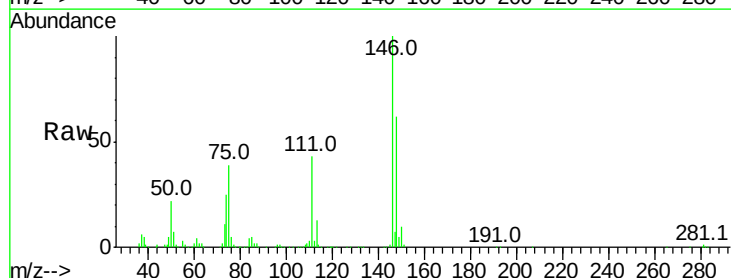
Tgt Ion:146 Resp: 414613

Ion Ratio Lower Upper

146 100

111 49.8 23.8 71.5

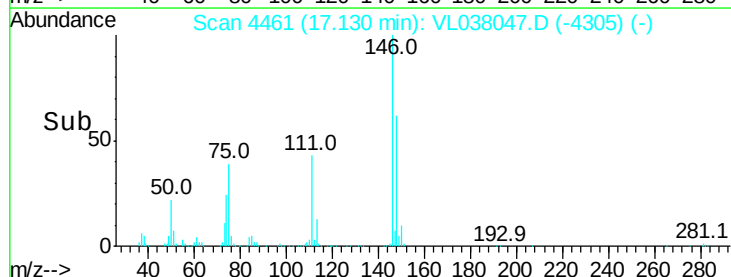
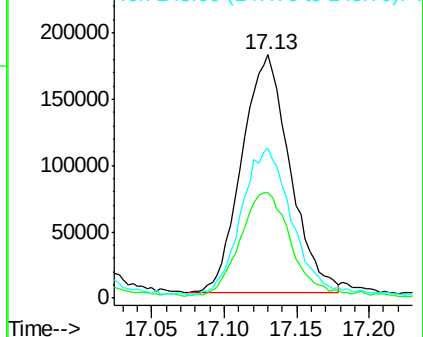
148 68.5 33.2 99.6

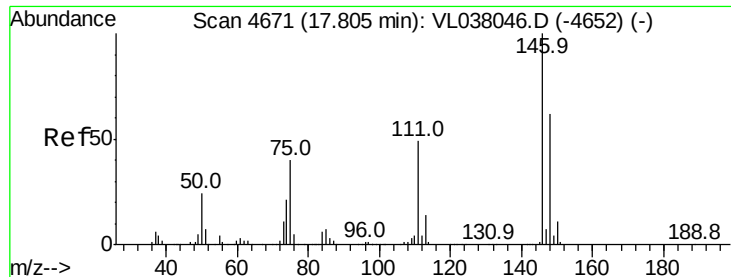


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 1.124 ppbv

RT: 17.80 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 18 Nov 2021 9:27

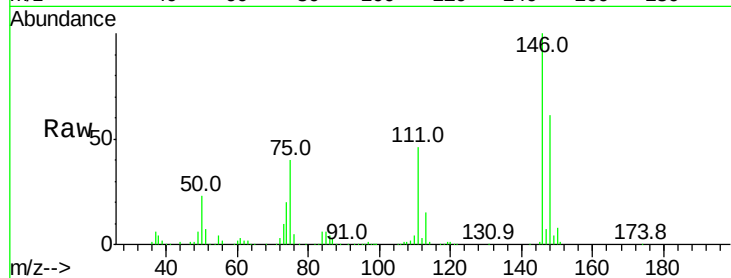
Tgt Ion:146 Resp: 197137

Ion Ratio Lower Upper

146 100

111 0.0 24.8 74.4#

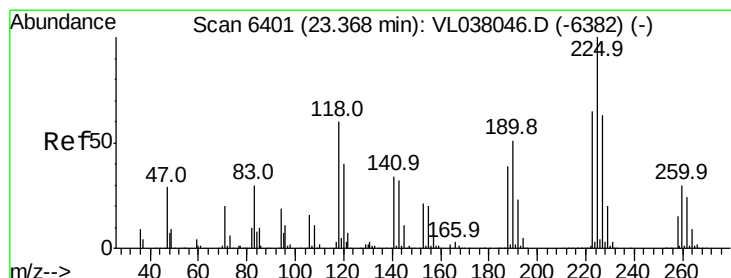
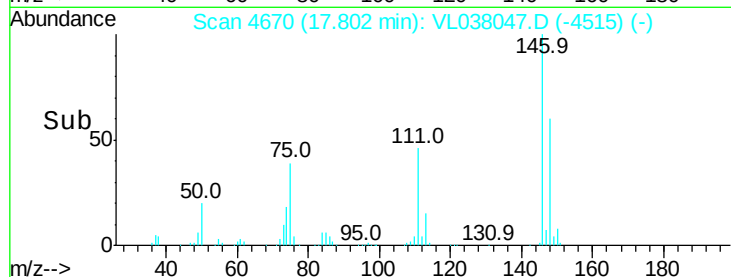
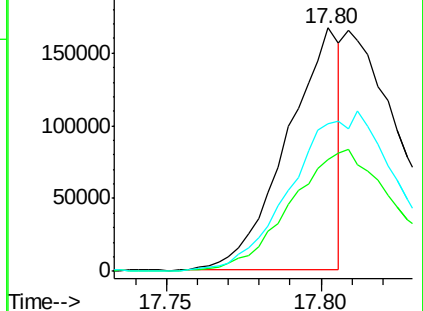
148 0.0 32.3 96.9#



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: 2.437 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.00 min

Lab File: VL038047.D

Acq: 18 Nov 2021 9:27

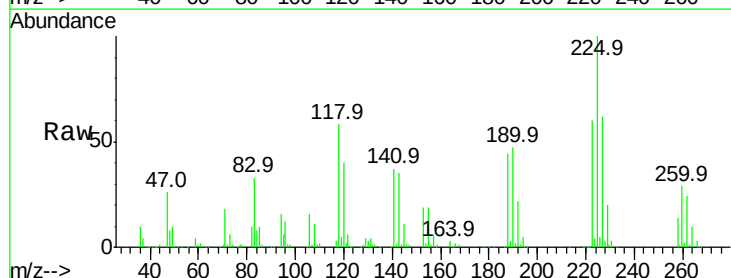
Tgt Ion:225 Resp: 277153

Ion Ratio Lower Upper

225 100

223 63.9 52.3 78.5

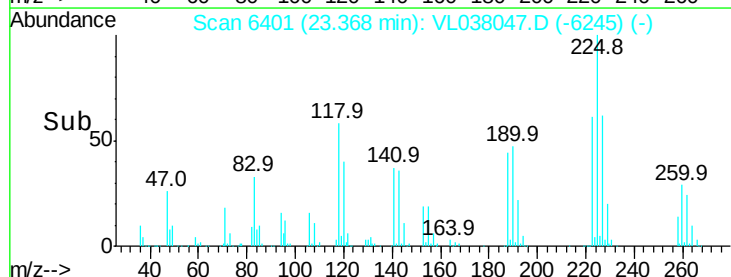
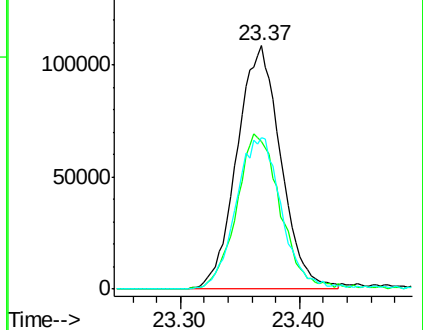
227 65.3 52.4 78.6

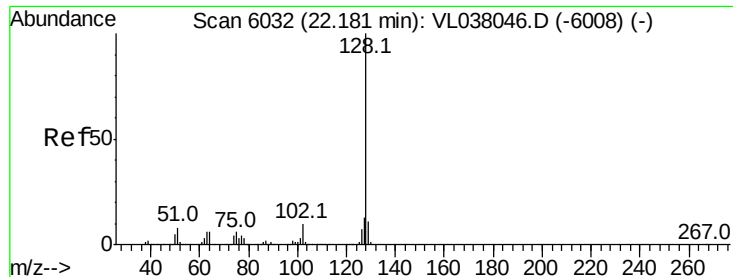


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

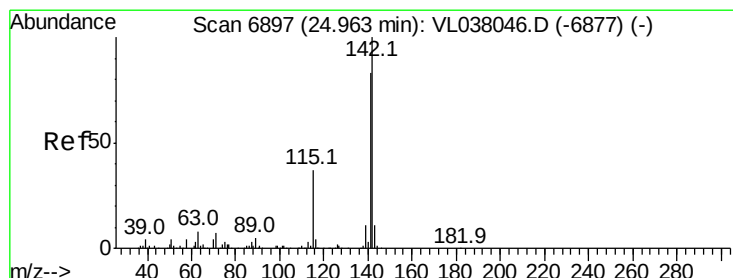
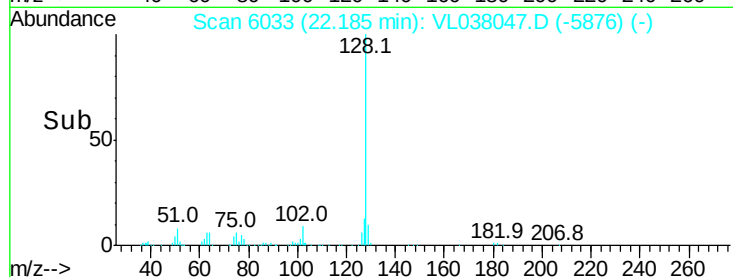
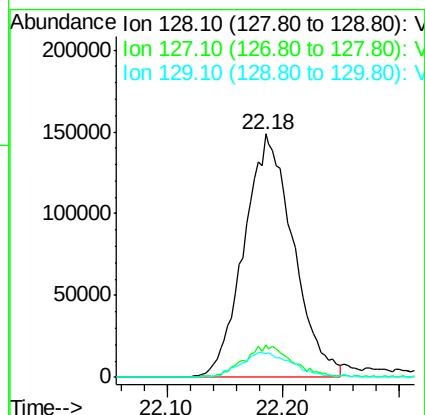
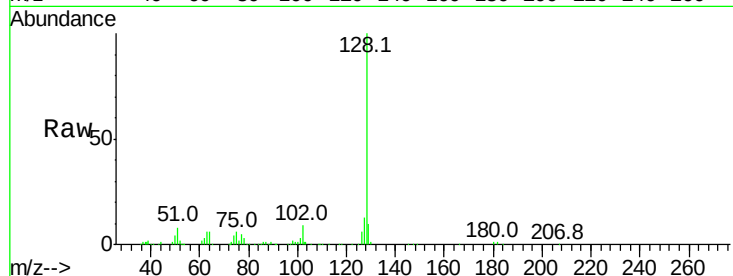
Ion 226.90 (226.60 to 227.60): V





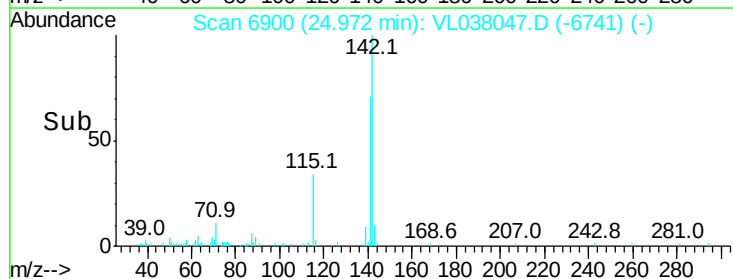
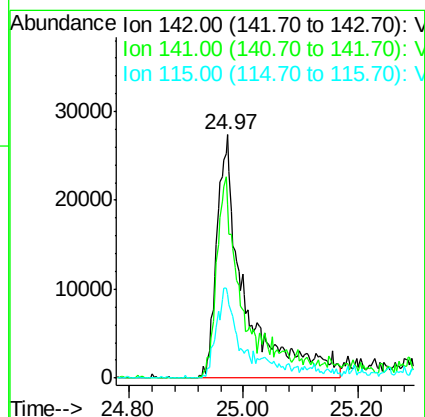
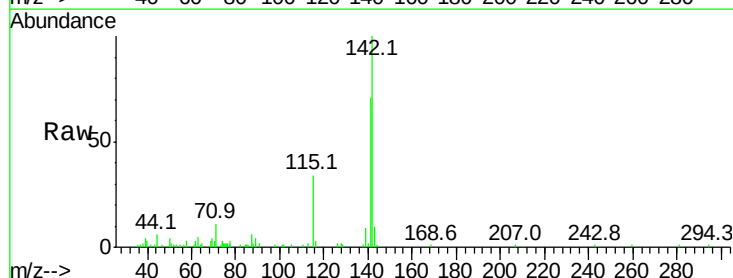
#79
Naphthalene
Concen: 2.397 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDIC002
Acq: 18 Nov 2021 9:27

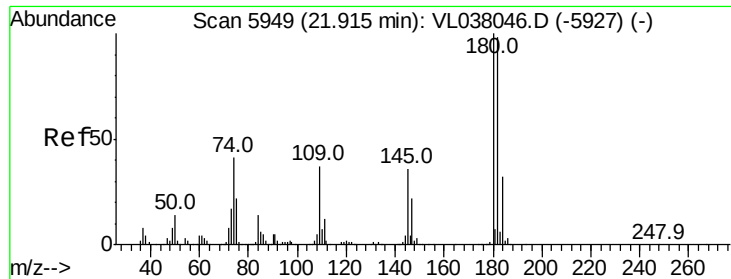
Tgt Ion:	128	Resp:	435556
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	9.6	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 2.736 ppbv
RT: 24.97 min Scan# 6900
Delta R.T.: 0.01 min
Lab File: VL038047.D
Acq: 18 Nov 2021 9:27

Tgt Ion:	142	Resp:	93864
Ion Ratio	Lower	Upper	
142	100		
141	80.5	67.3	100.9
115	29.0	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.411 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 18 Nov 2021 9:27

Tgt Ion:	180	Resp:	247729
Ion Ratio	Lower	Upper	
180	100		
182	99.5	77.4	116.2
184	32.1	25.0	37.4

