

Data File : VL037456.D

Acq On : 16 Aug 2021 11:07

Operator : SY/AP

Sample : VSTDIC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Aug 16 12:48:07 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021

QLast Update : Mon Aug 16 11:33:04 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1549854	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4602481	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4247434	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2832993	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	456157	1.926	ppbv	99
3) Chlorodifluoromethane	2.98	51	625164	2.054	ppbv	99
4) Chloromethane	3.13	50	212082	1.939	ppbv	99
5) Vinyl Chloride	3.25	62	218410	1.812	ppbv	99
6) Bromomethane	3.47	94	115350	1.845	ppbv	95
7) Chloroethane	3.55	64	68195	1.713	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	541030	2.047	ppbv	98
9) Propene	3.01	41	202892	1.985	ppbv	91
10) Heptane	8.10	43	511270	2.057	ppbv	98
11) Trichlorofluoromethane	3.94	101	478709	1.868	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	350262	1.951	ppbv	99
13) Ethanol	3.60	45	10643	0.976	ppbv #	39
14) Bromoethene	3.73	108	149649	1.874	ppbv	91
15) Acetone	3.84	43	323536	1.968	ppbv #	65
16) 1,3-Butadiene	3.31	39	208873	1.893	ppbv	99
17) tert-Butyl alcohol	4.29	59	285677	1.821	ppbv	98
18) 1,1-Dichloroethene	4.28	96	158320	1.900	ppbv	87
19) Isopropyl Alcohol	3.98	45	56529	0.591	ppbv #	95
20) Methylene Chloride	4.33	84	152727	1.757	ppbv	94
21) Allyl Chloride	4.40	41	242949	1.886	ppbv #	86
22) trans-1,2-Dichloroethene	4.87	96	148974	1.906	ppbv	94
23) Vinyl Acetate	5.06	43	533188	2.114	ppbv	98
24) 1,1-Dichloroethane	4.99	63	331556	1.693	ppbv	98
25) Ethyl Acetate	5.66	43	434475	1.109	ppbv #	77
26) Hexane	5.67	57	438599	2.170	ppbv	94
27) Carbon Disulfide	4.54	76	327290	1.920	ppbv	95
28) Methyl tert-Butyl Ether	5.02	73	405657	1.875	ppbv	99
29) Chloroform	5.73	83	580244	2.039	ppbv	92
30) Cyclohexane	7.11	84	336497	2.021	ppbv	86
31) cis-1,2-Dichloroethene	5.53	61	374771	2.145	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	562519	1.958	ppbv	98
34) 2-Butanone	5.24	43	361970	1.905	ppbv #	86
35) Carbon Tetrachloride	7.00	117	574131	2.023	ppbv	97
36) Benzene	6.87	78	842714	2.171	ppbv	98
37) 1,2-Dichloroethane	6.29	62	399192	2.016	ppbv	98
38) Trichloroethene	7.82	130	322713	1.884	ppbv	99
39) 1,2-Dichloropropane	7.59	63	312367	2.113	ppbv	97
40) 1,4-Dioxane	7.83	88	25884	0.719	ppbv #	100
41) Tetrahydrofuran	6.04	42	77233	0.885	ppbv #	36
42) Bromodichloromethane	7.77	83	572833	2.066	ppbv	99
43) Methyl Methacrylate	8.00	69	168883	1.284	ppbv #	25

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Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

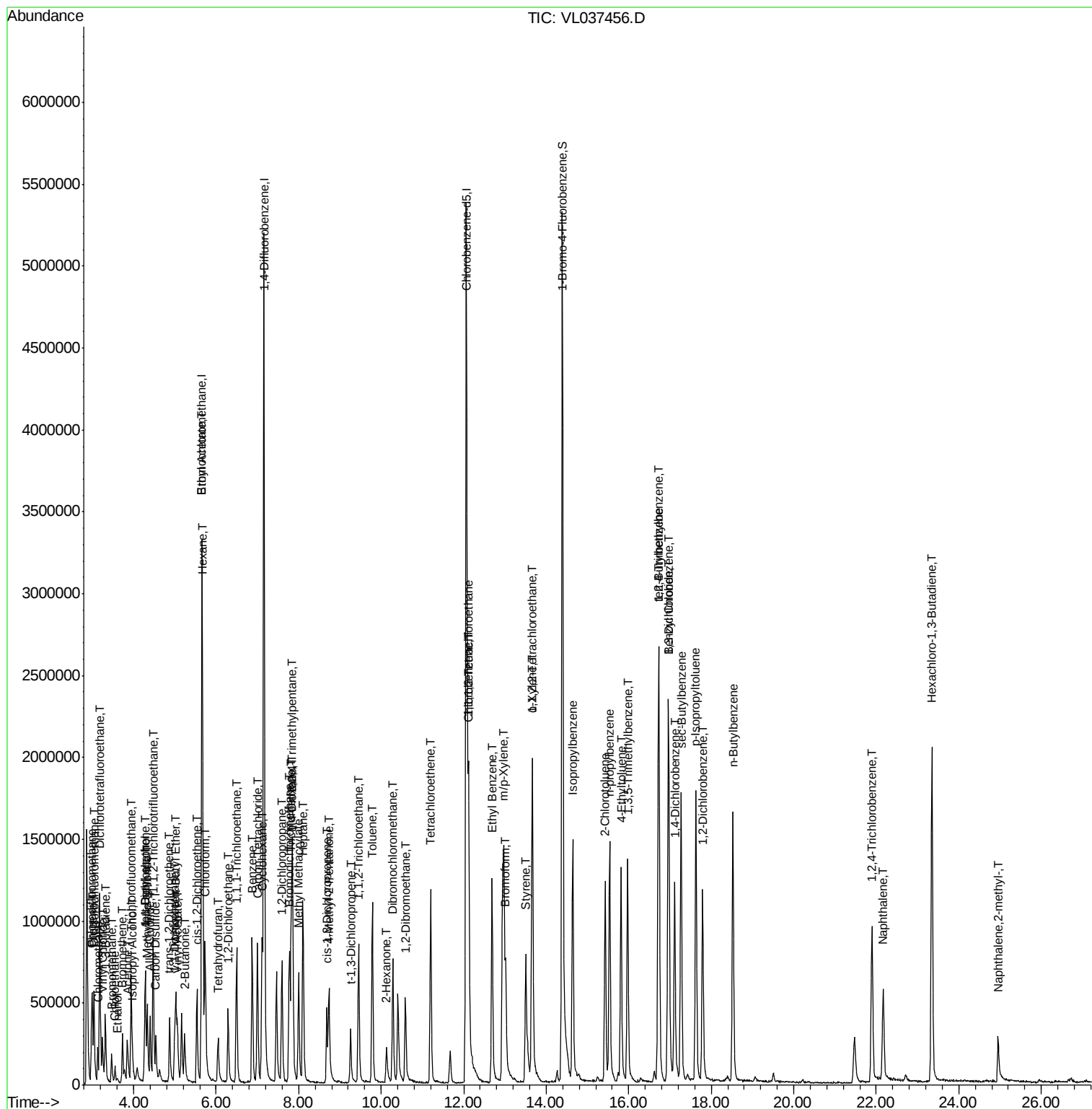
Quant Time: Aug 16 12:48:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

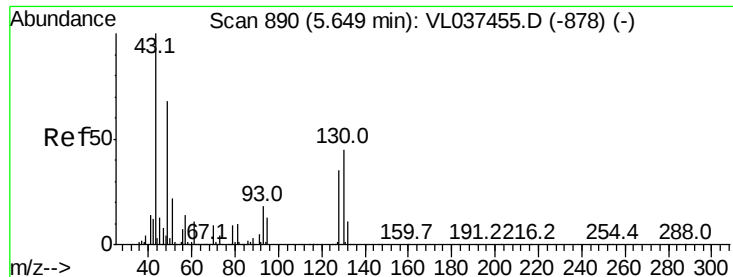
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	1422351	2.192	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	195711	2.002	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	154246	1.130	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	325209	2.035	ppbv	97
48) Dibromochloromethane	10.28	129	490683	2.128	ppbv	99
49) Bromoform	13.02	173	200154	1.146	ppbv #	34
50) 4-Methyl-2-Pentanone	8.73	43	513691	2.149	ppbv	97
51) 2-Hexanone	10.13	43	129414	1.151	ppbv #	42
52) Tetrachloroethene	11.20	164	314867	1.926	ppbv	98
53) Toluene	9.78	91	966843	2.182	ppbv	98
54) 1,2-Dibromoethane	10.59	107	463790	2.132	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	183207	1.084	ppbv #	5
57) Chlorobenzene	12.12	112	710334	2.064	ppbv #	92
58) Ethyl Benzene	12.69	91	1230583	2.136	ppbv	95
59) m/p-Xylene	12.98	91	742336	1.467	ppbv #	1
60) o-Xylene	13.67	91	1014457	2.158	ppbv	98
61) Styrene	13.50	104	313824	1.321	ppbv #	56
62) Isopropylbenzene	14.64	105	1421937	2.115	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	746103	2.104	ppbv	98
64) n-propylbenzene	15.54	120	360250	2.129	ppbv	86
65) tert-Butylbenzene	16.72	119	1329839	2.193	ppbv	99
66) Benzyl Chloride	16.96	91	26372	0.950	ppbv #	9
67) sec-Butylbenzene	17.27	105	1859703	2.254	ppbv	99
69) p-Isopropyltoluene	17.63	119	1519277	2.243	ppbv	99
70) n-Butylbenzene	18.53	91	1462034	2.323	ppbv	99
71) 2-Chlorotoluene	15.43	91	1053623	2.215	ppbv	98
72) 4-Ethyltoluene	15.82	105	1172021	2.147	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	1114053	2.159	ppbv	95
74) 1,2,4-Trimethylbenzene	16.73	105	1225415	2.320	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	697406	2.157	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	648615	2.024	ppbv	91
77) 1,2-Dichlorobenzene	17.79	146	670595	2.156	ppbv	96
78) Hexachloro-1,3-Butadiene	23.35	225	606938	2.409	ppbv	98
79) Naphthalene	22.17	128	407609	1.420	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	220629	3.638	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	507608	2.602	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

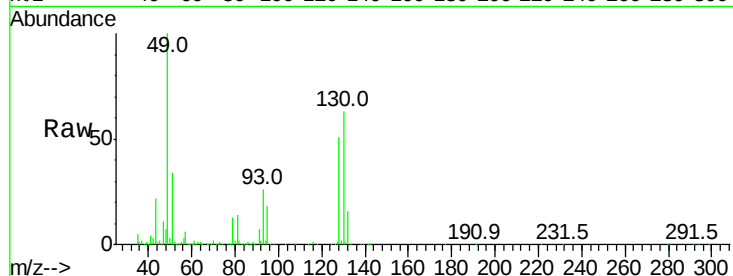
Tgt Ion: 49 Resp: 1549854

Ion Ratio Lower Upper

49 100

128 54.2 27.5 82.4

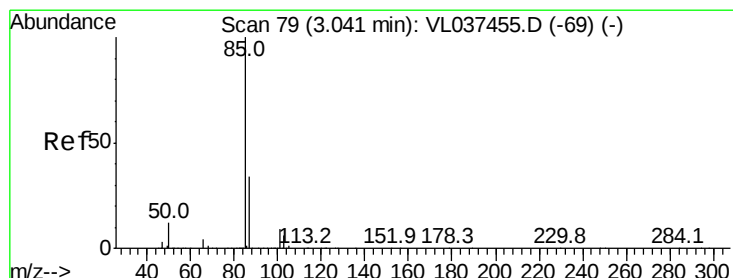
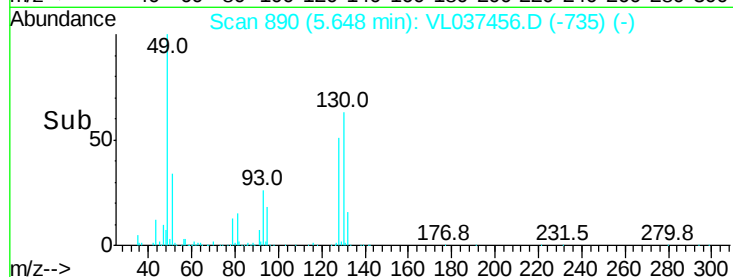
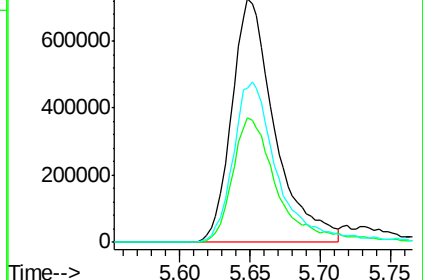
130 68.1 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.926 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037456.D

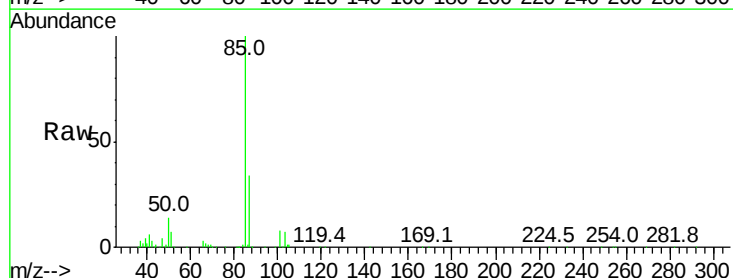
Acq: 16 Aug 2021 11:07

Tgt Ion: 85 Resp: 456157

Ion Ratio Lower Upper

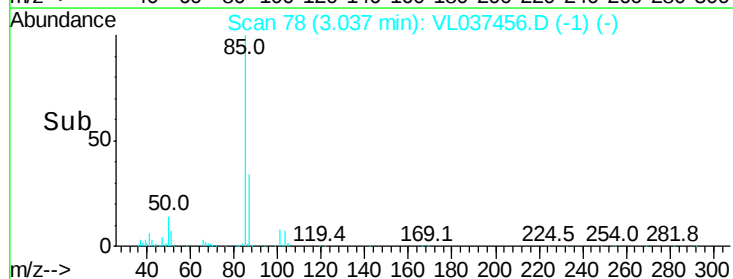
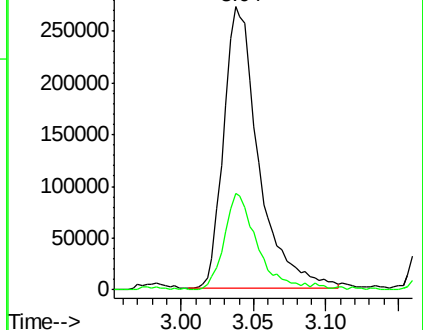
85 100

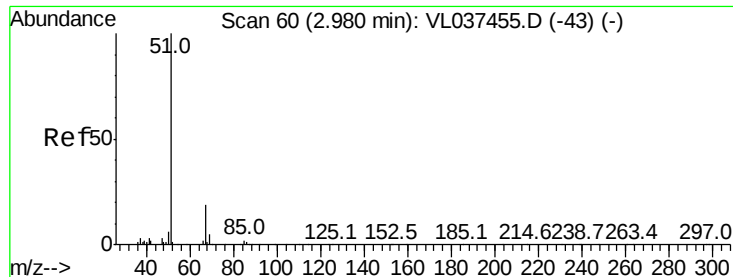
87 33.8 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.054 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

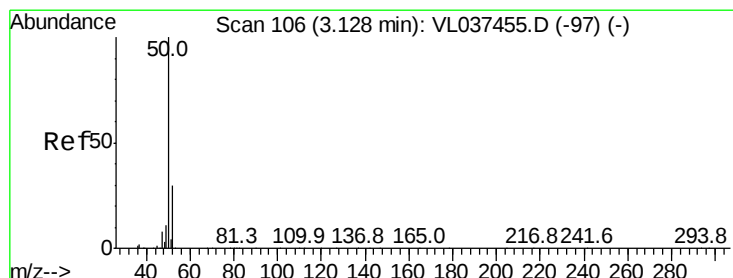
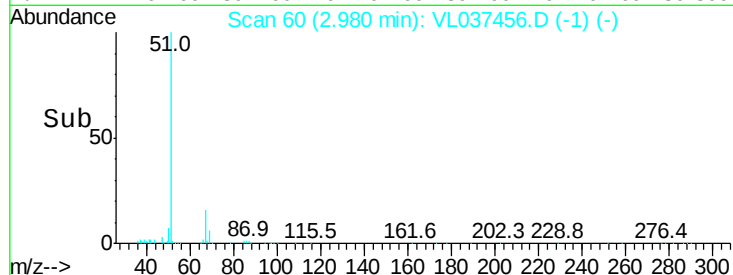
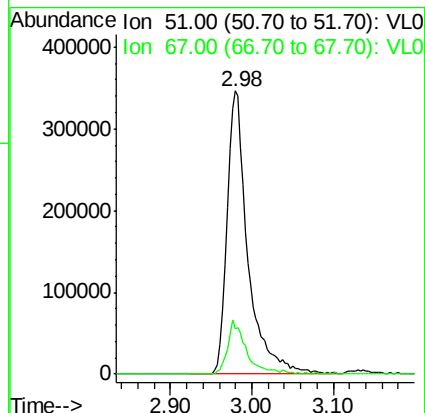
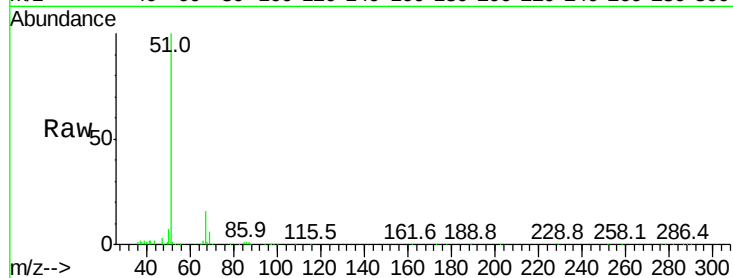
VSTDIC002

Tgt Ion: 51 Resp: 625164

Ion Ratio Lower Upper

51 100

67 17.5 14.2 21.2



#4

Chloromethane

Concen: 1.939 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037456.D

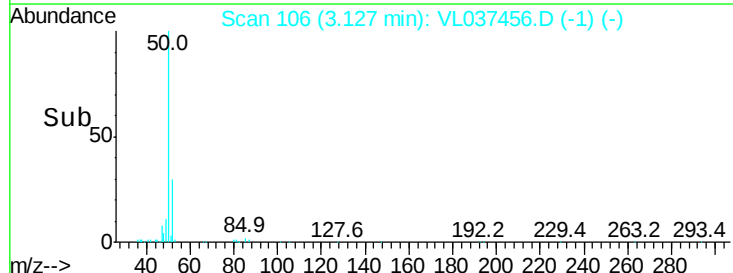
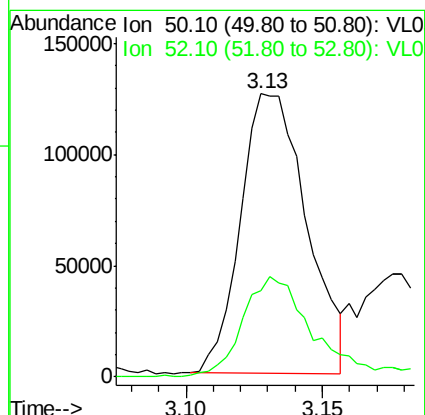
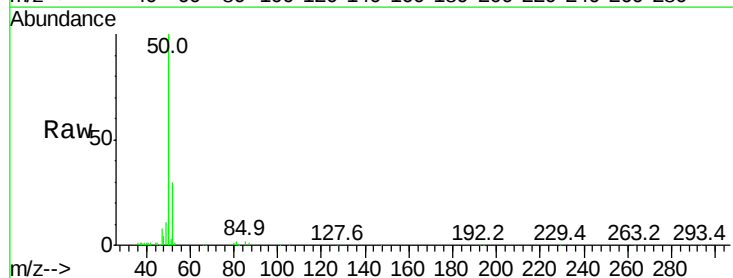
Acq: 16 Aug 2021 11:07

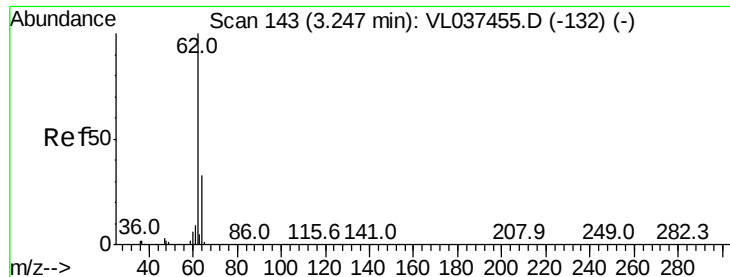
Tgt Ion: 50 Resp: 212082

Ion Ratio Lower Upper

50 100

52 30.4 24.0 36.0





#5

Vinyl Chloride

Concen: 1.812 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

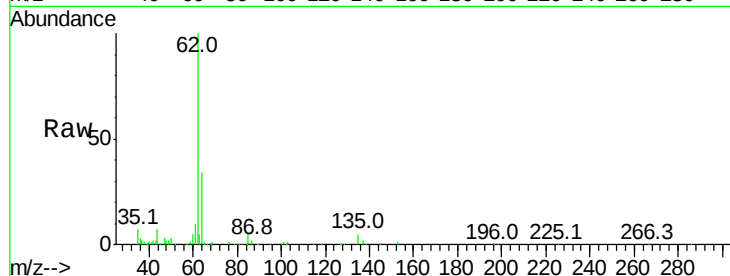
VSTDIC002

Tgt Ion: 62 Resp: 218410

Ion Ratio Lower Upper

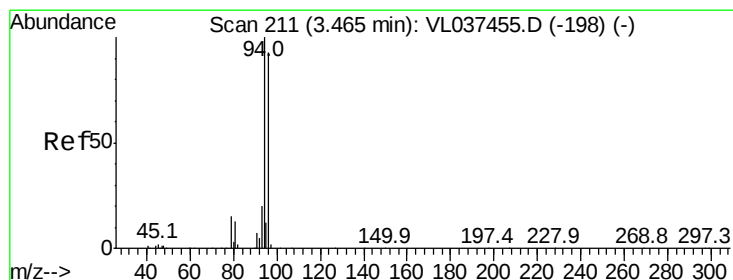
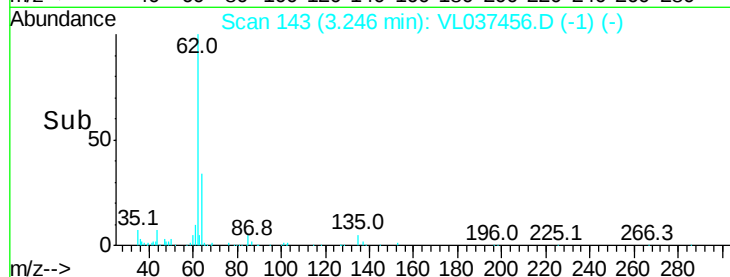
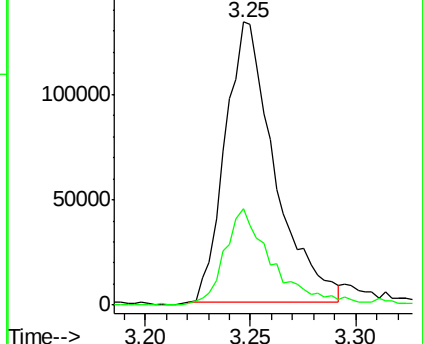
62 100

64 33.8 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.845 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037456.D

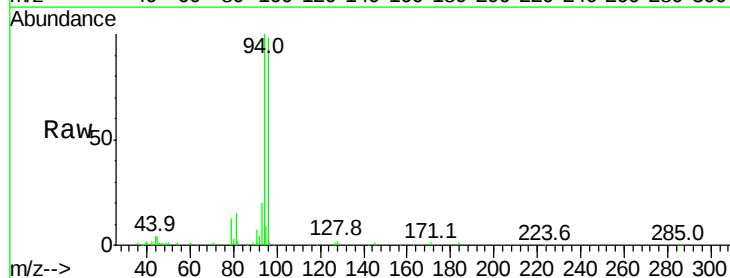
Acq: 16 Aug 2021 11:07

Tgt Ion: 94 Resp: 115350

Ion Ratio Lower Upper

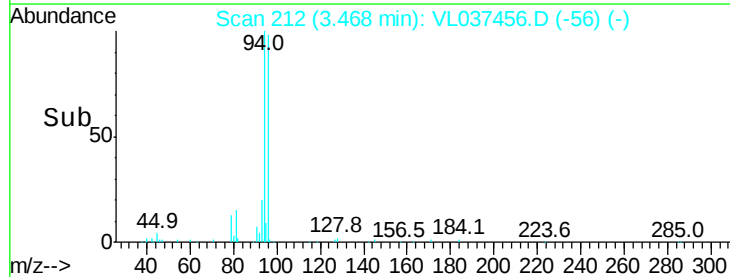
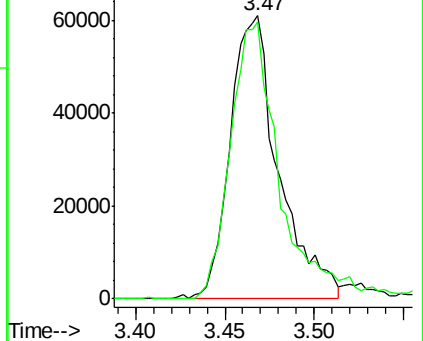
94 100

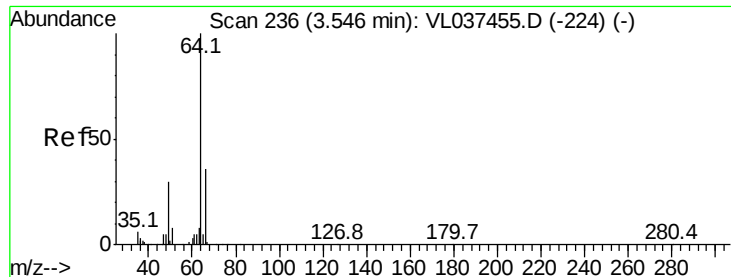
96 97.7 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.713 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

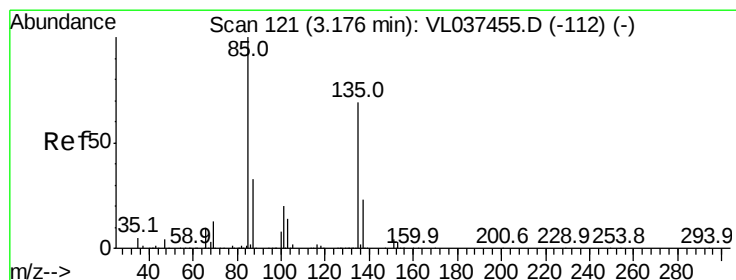
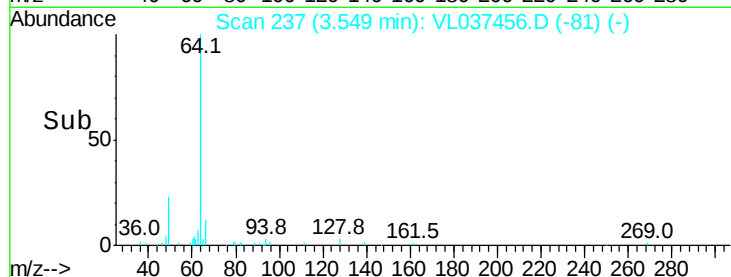
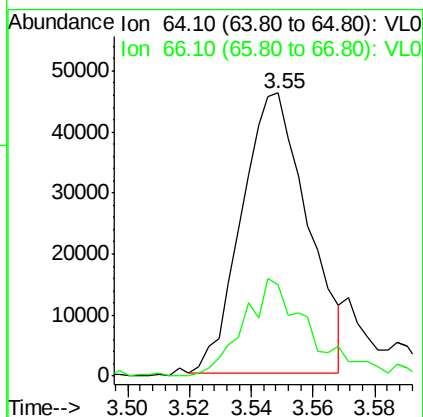
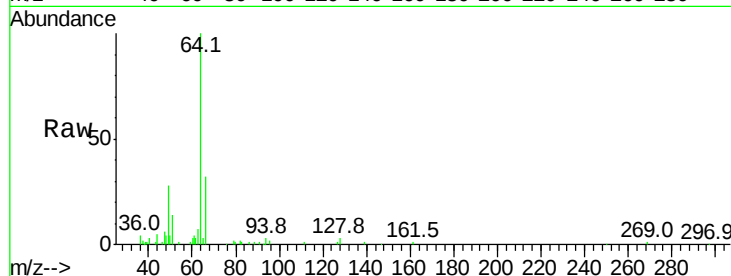
VSTDIC002

Tgt Ion: 64 Resp: 68195

Ion Ratio Lower Upper

64 100

66 32.4 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 2.047 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037456.D

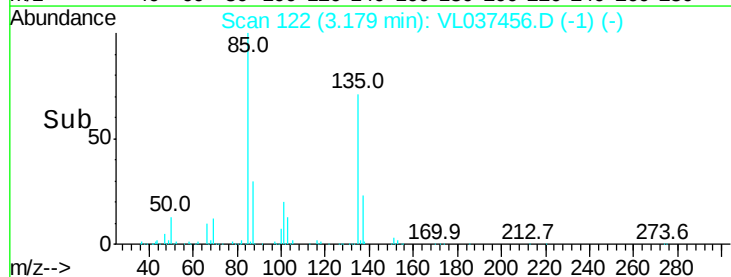
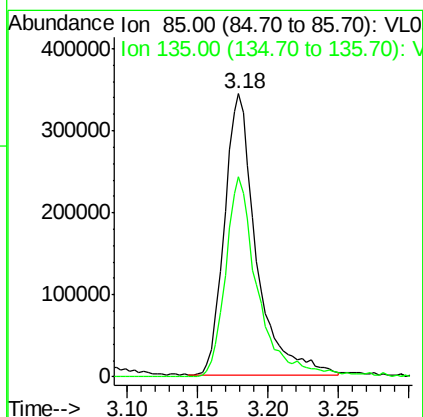
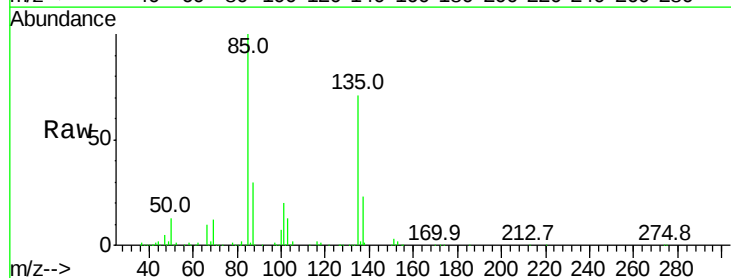
Acq: 16 Aug 2021 11:07

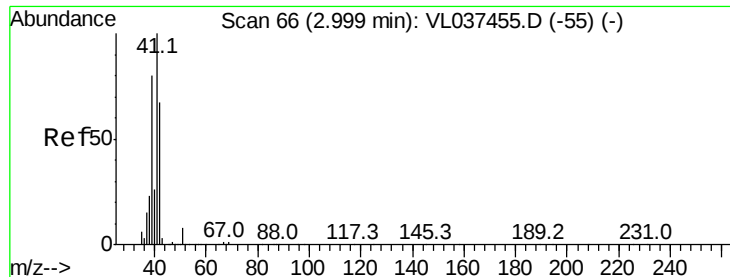
Tgt Ion: 85 Resp: 541030

Ion Ratio Lower Upper

85 100

135 72.0 58.8 88.2





#9

Propene

Concen: 1.985 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

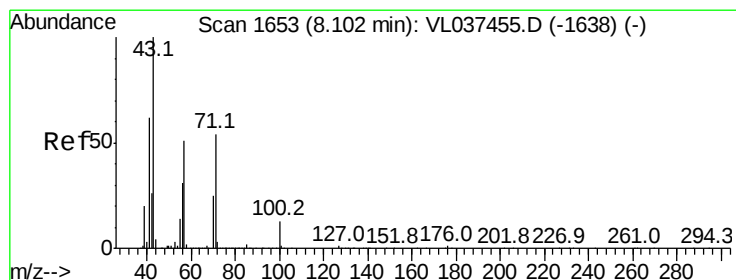
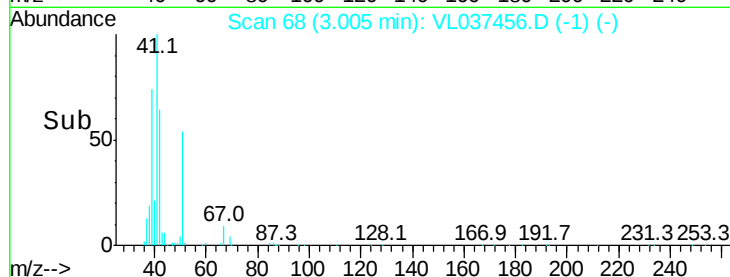
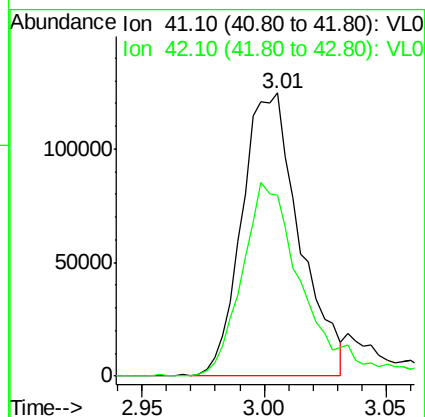
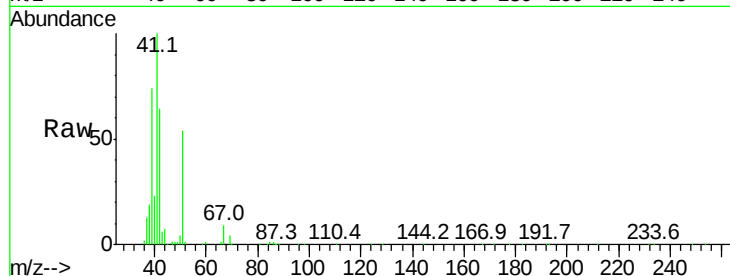
VSTDIC002

Tgt Ion: 41 Resp: 202892

Ion Ratio Lower Upper

41 100

42 74.5 53.7 80.5



#10

Heptane

Concen: 2.057 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037456.D

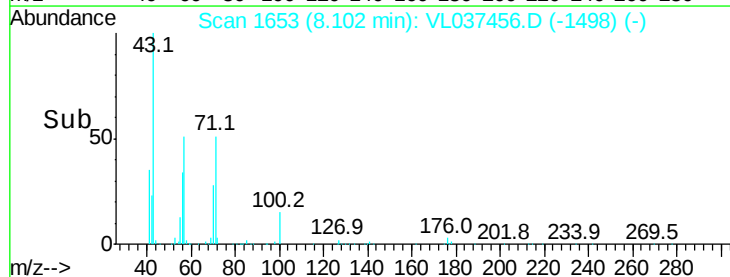
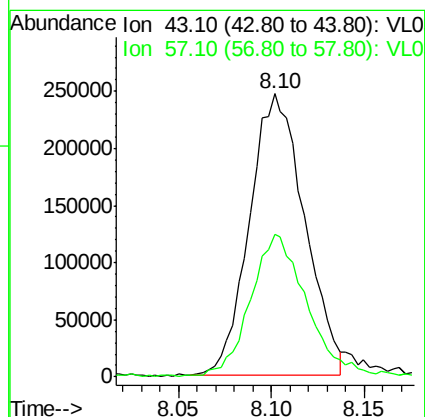
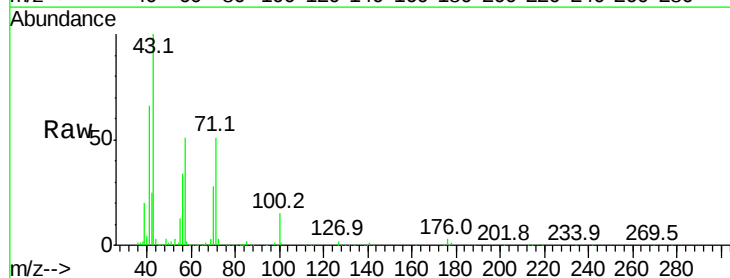
Acq: 16 Aug 2021 11:07

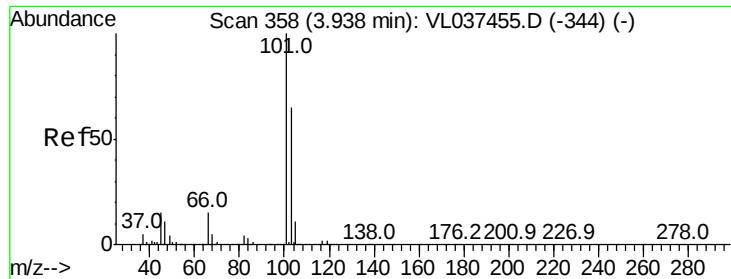
Tgt Ion: 43 Resp: 511270

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6

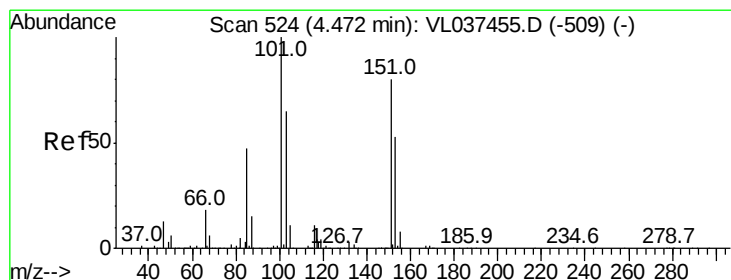
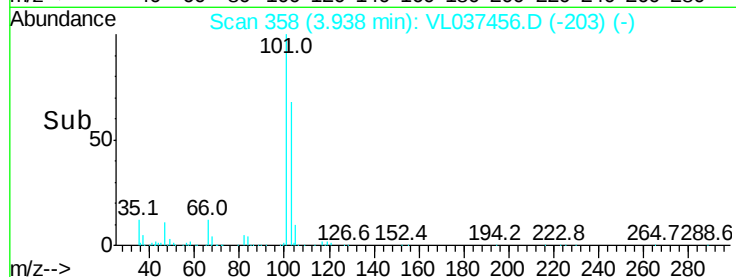
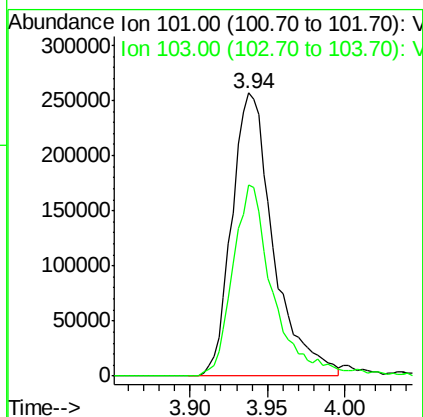
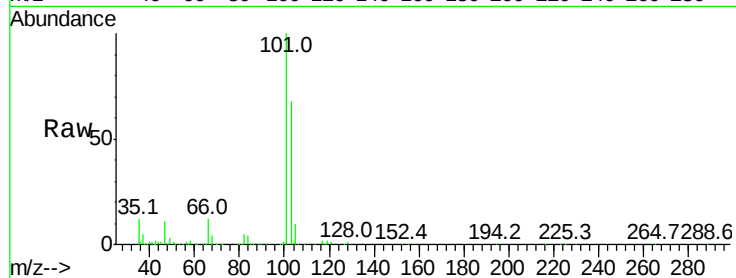




#11
 Trichlorofluoromethane
 Concen: 1.868 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

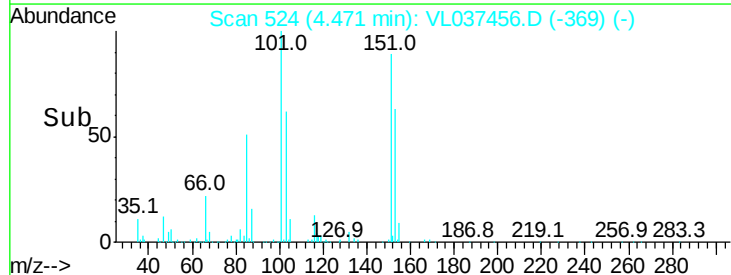
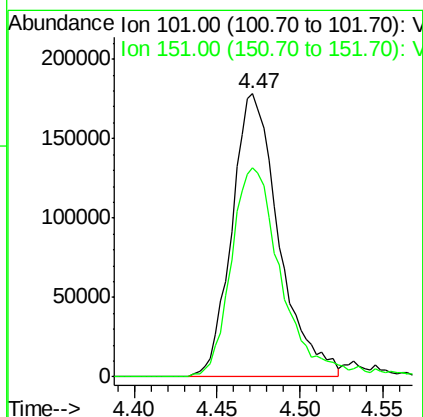
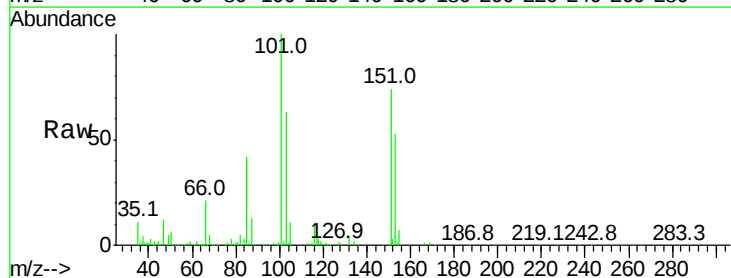
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

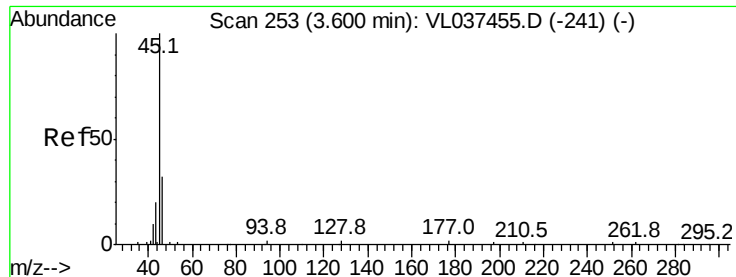
Tgt Ion:101 Resp: 478709
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.951 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion:101 Resp: 350262
 Ion Ratio Lower Upper
 101 100
 151 80.8 63.7 95.5





#13

Ethanol

Concen: 0.976 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

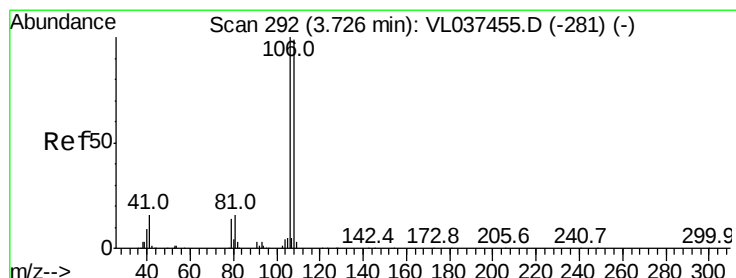
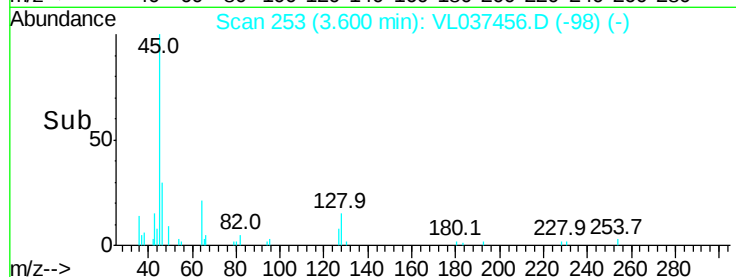
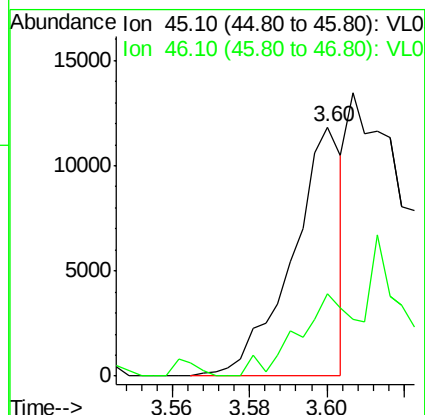
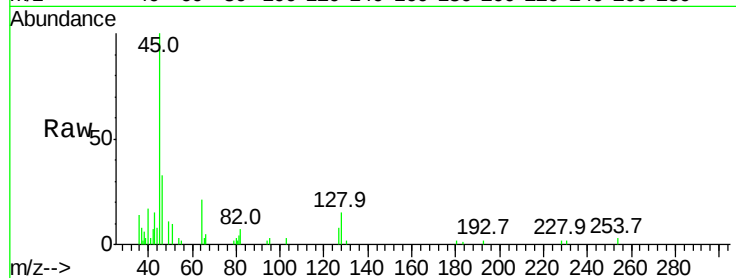
VSTDIC002

Tgt Ion: 45 Resp: 10643

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#



#14

Bromoethene

Concen: 1.874 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

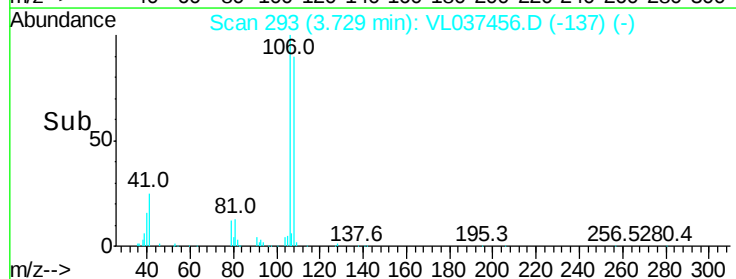
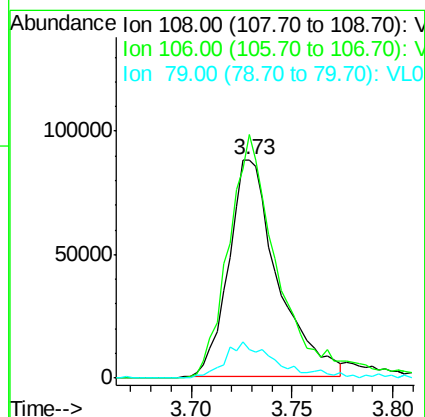
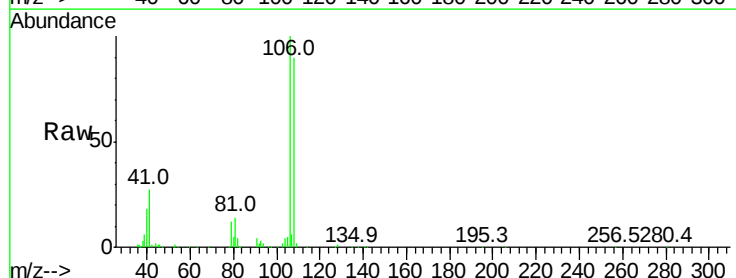
Tgt Ion: 108 Resp: 149649

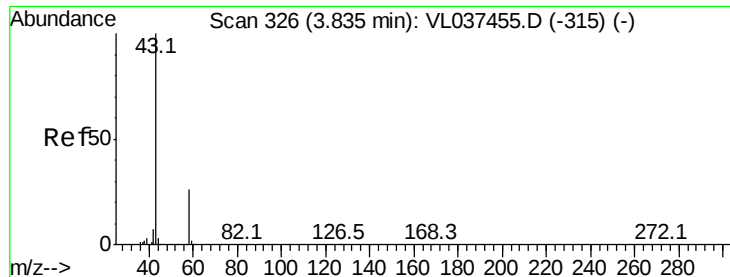
Ion Ratio Lower Upper

108 100

106 117.6 85.8 128.8

79 17.9 12.6 18.8





#15

Acetone

Concen: 1.968 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

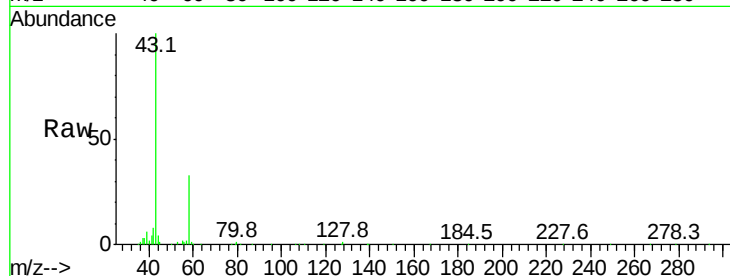
VSTDIC002

Tgt Ion: 43 Resp: 323536

Ion Ratio Lower Upper

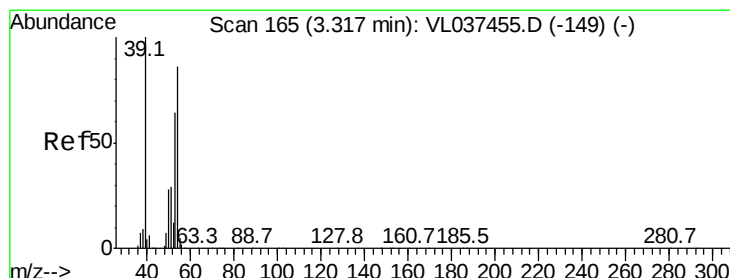
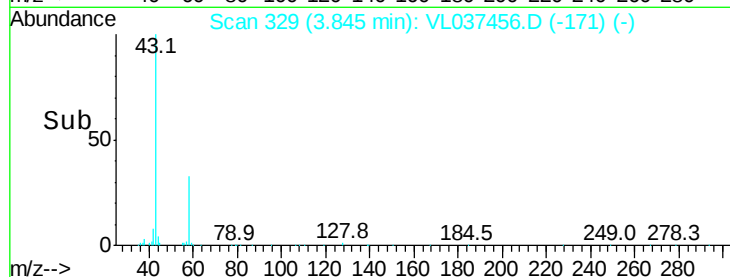
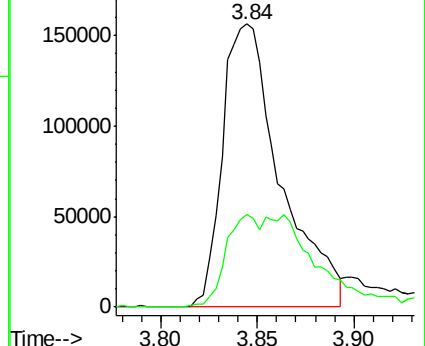
43 100

58 50.5 24.8 37.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.893 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL037456.D

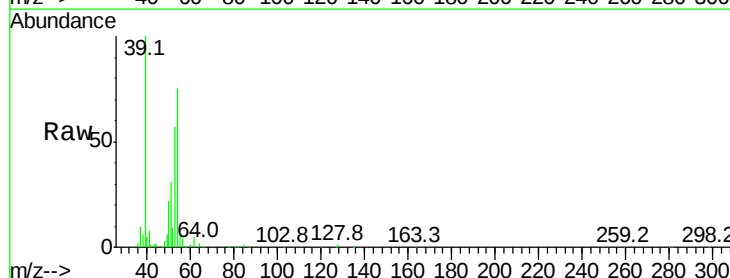
Acq: 16 Aug 2021 11:07

Tgt Ion: 39 Resp: 208873

Ion Ratio Lower Upper

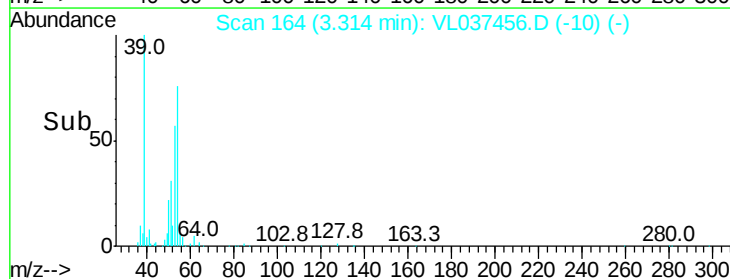
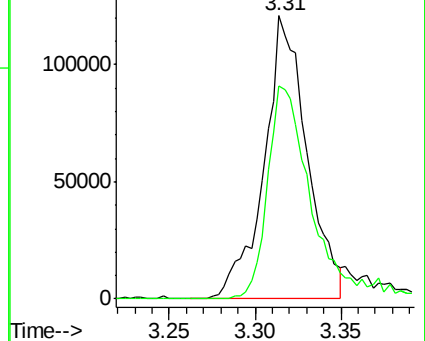
39 100

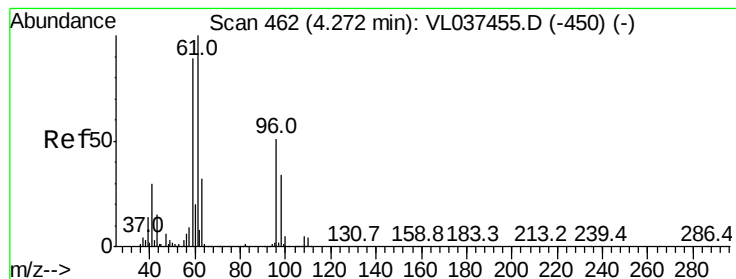
54 80.1 63.7 95.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.821 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

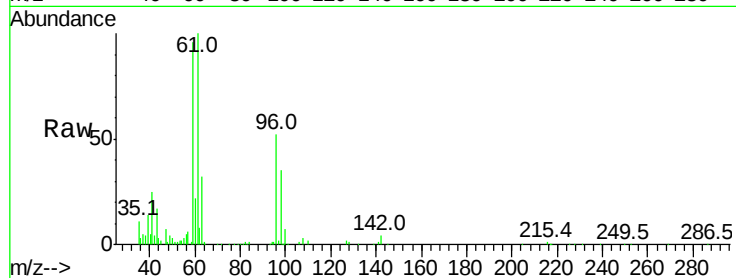
VSTDIC002

Tgt Ion: 59 Resp: 285677

Ion Ratio Lower Upper

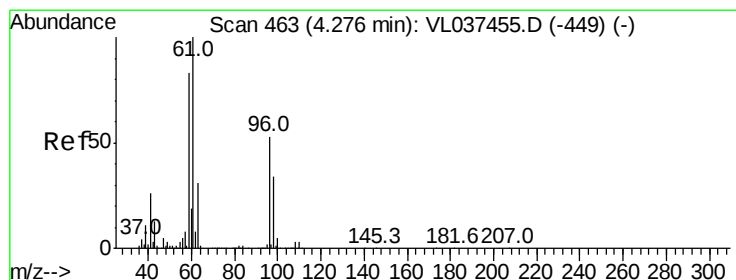
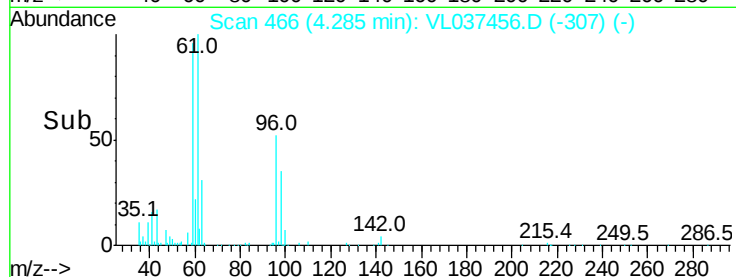
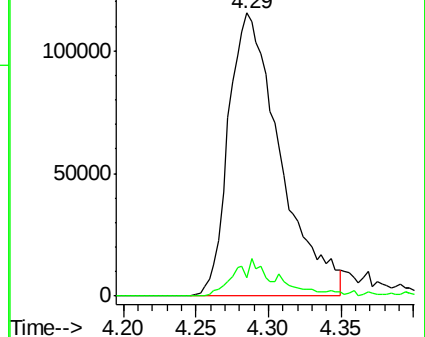
59 100

57 11.1 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.900 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

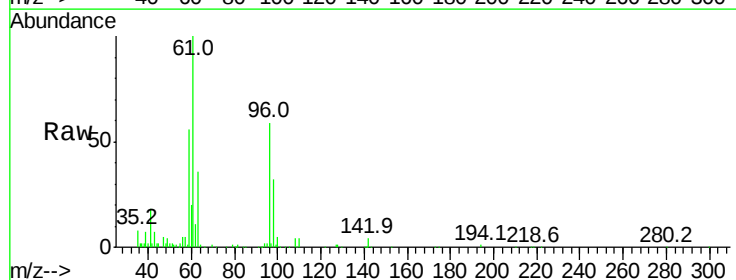
Tgt Ion: 96 Resp: 158320

Ion Ratio Lower Upper

96 100

61 170.2 151.1 226.7

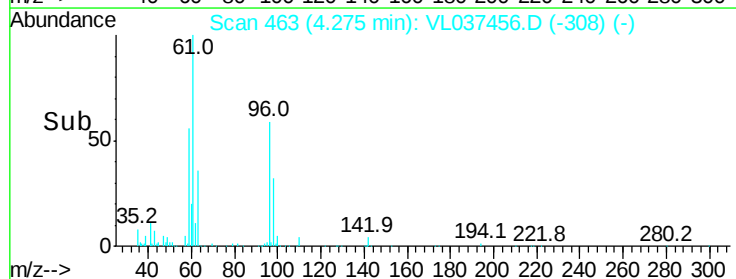
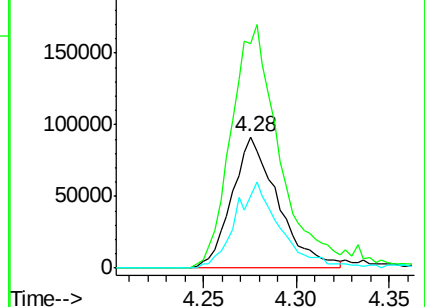
98 54.6 51.8 77.8

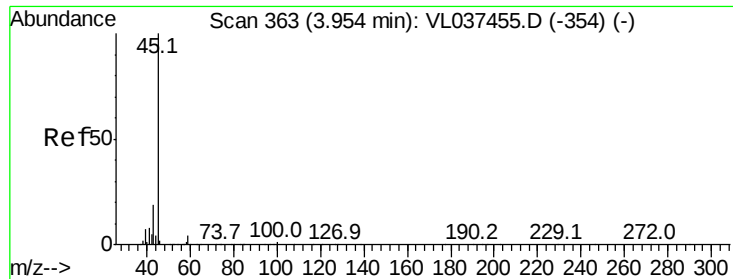


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

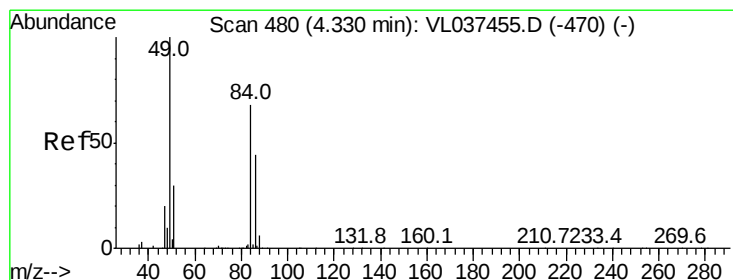
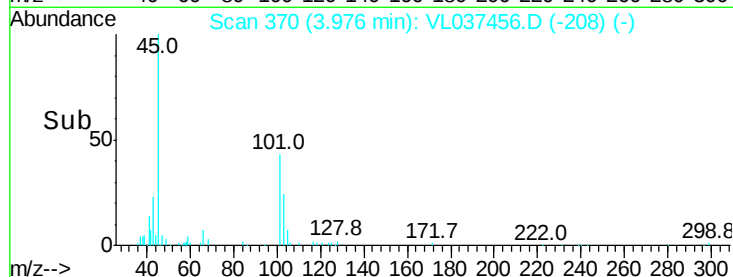
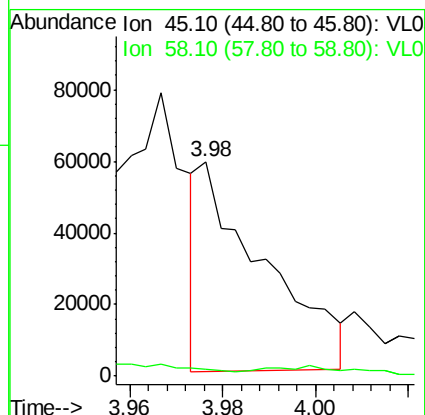
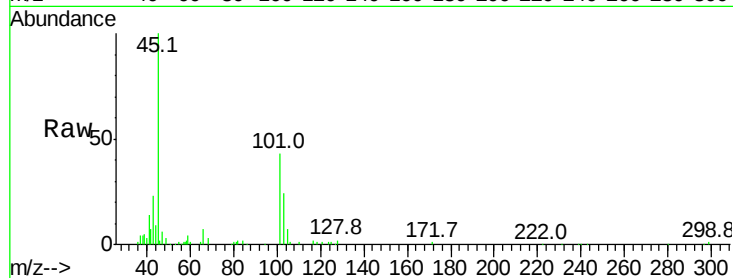




#19
Isopropyl Alcohol
Concen: 0.591 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

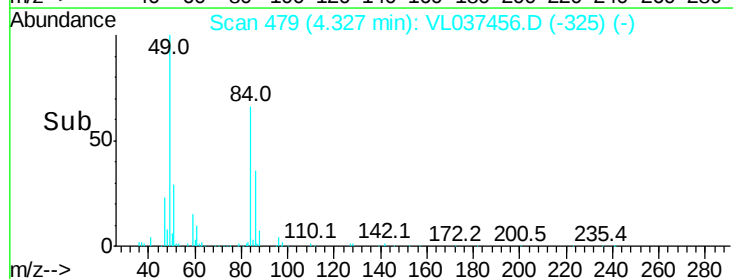
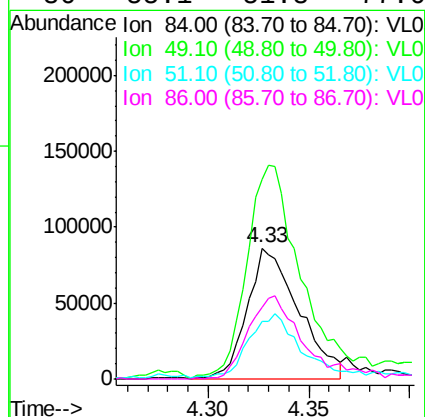
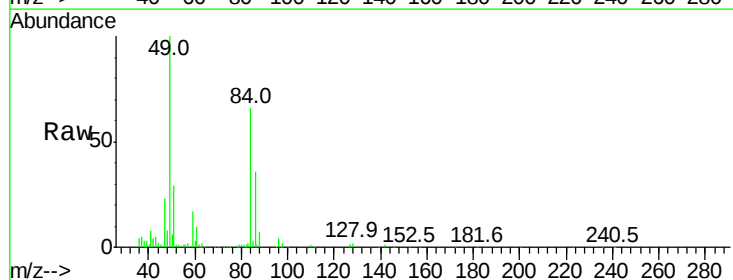
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

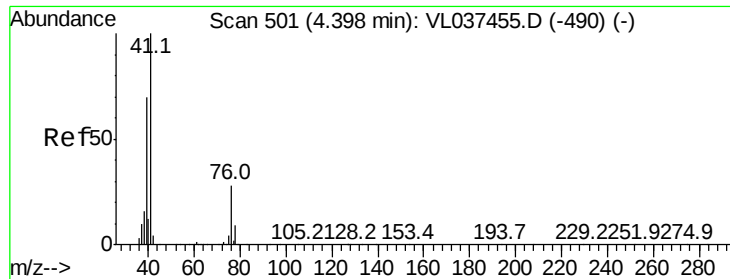
Tgt Ion: 45 Resp: 56529
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#



#20
Methylene Chloride
Concen: 1.757 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 84 Resp: 152727
Ion Ratio Lower Upper
84 100
49 153.0 118.2 177.2
51 42.5 36.6 55.0
86 55.1 51.8 77.6

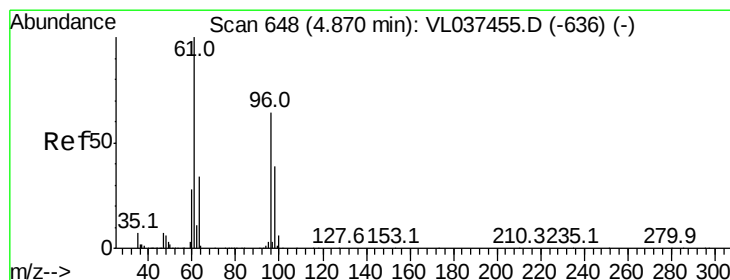
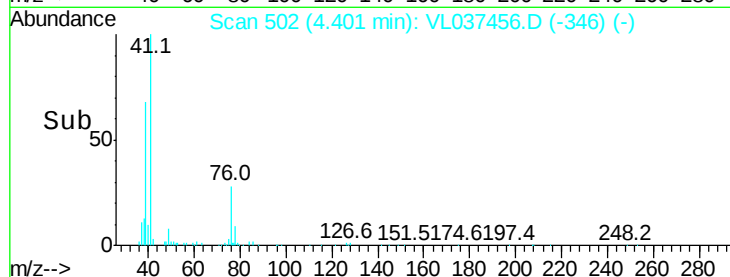
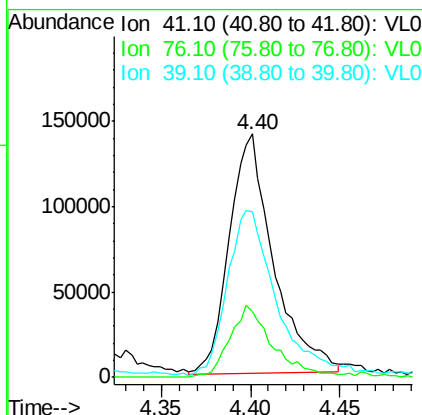
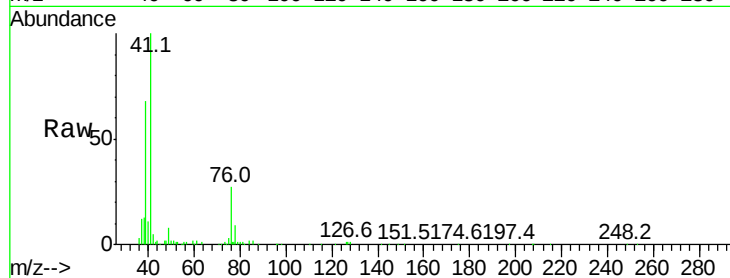




#21
 Allyl Chloride
 Concen: 1.886 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

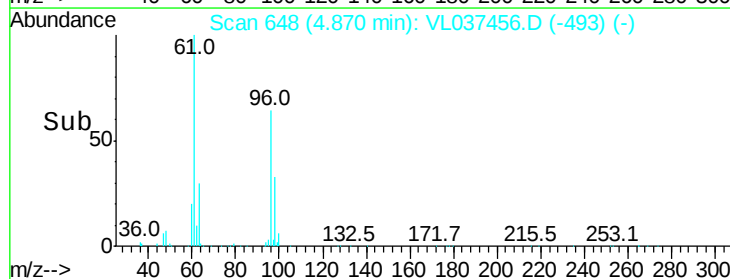
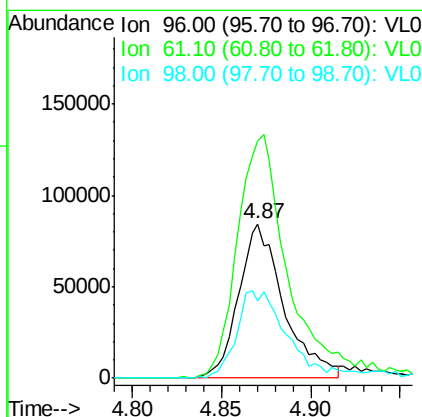
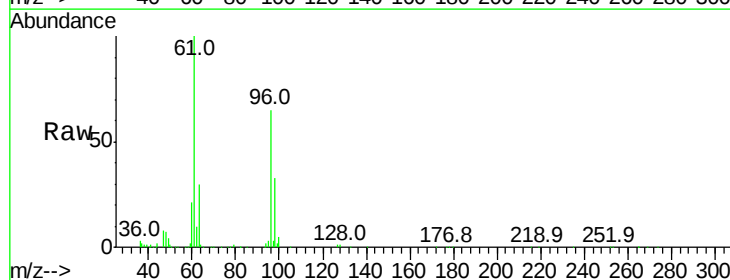
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

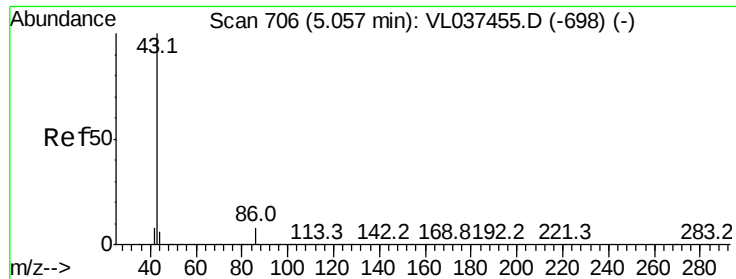
Tgt Ion: 41 Resp: 242949
 Ion Ratio Lower Upper
 41 100
 76 30.0 21.8 32.6
 39 85.3 56.8 85.2#



#22
 trans-1,2-Dichloroethene
 Concen: 1.906 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion: 96 Resp: 148974
 Ion Ratio Lower Upper
 96 100
 61 153.3 125.5 188.3
 98 50.1 49.0 73.4





#23

Vinyl Acetate

Concen: 2.114 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 533188

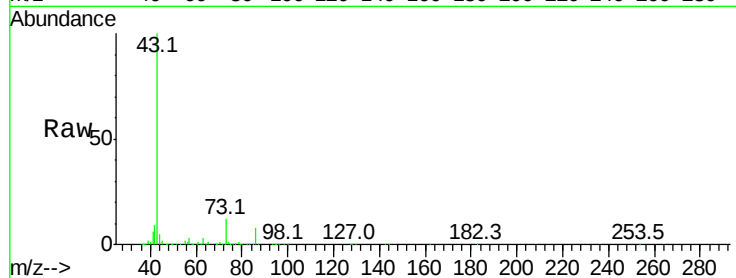
Ion Ratio Lower Upper

43 100

86 7.8 5.7 8.5

42 8.8 7.4 11.2

44 5.0 4.3 6.5

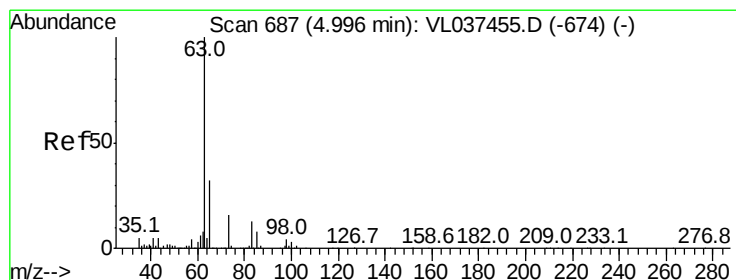
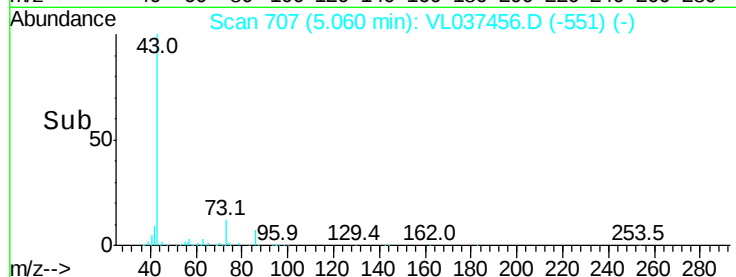
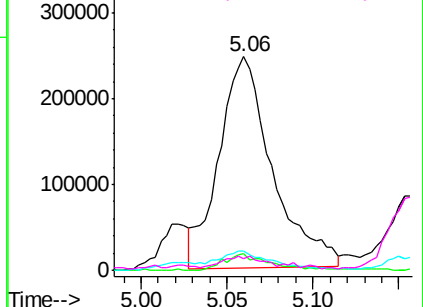


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.693 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

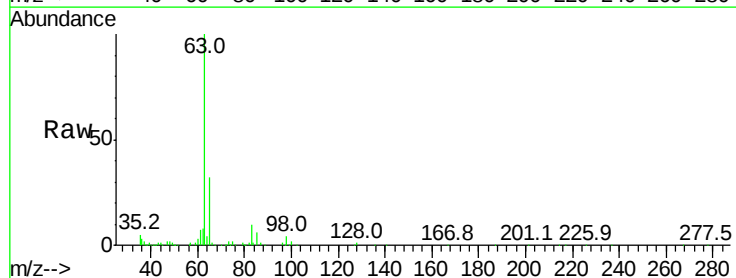
Tgt Ion: 63 Resp: 331556

Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.3

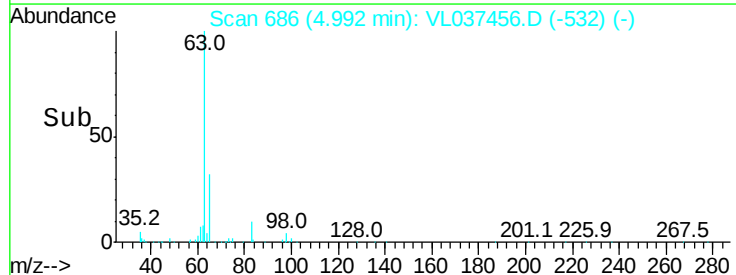
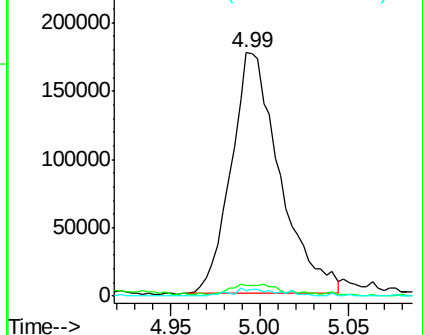
100 2.3 1.6 4.7

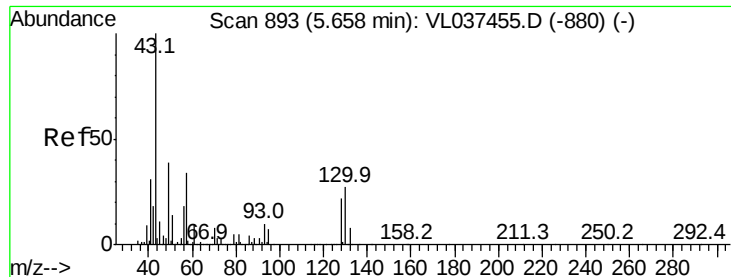


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.109 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 434475

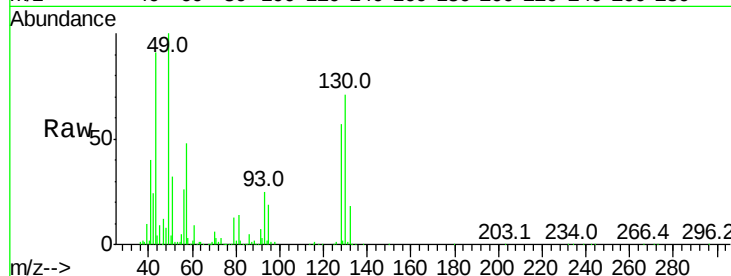
Ion Ratio Lower Upper

43 100

45 18.7 8.0 12.0#

61 19.5 8.0 12.0#

70 13.6 5.6 8.4#

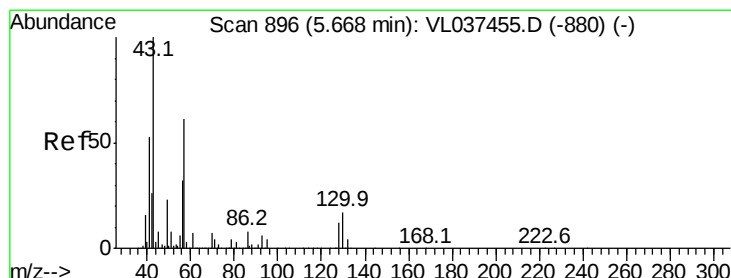
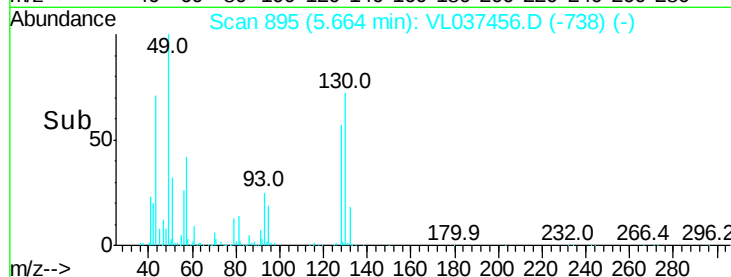
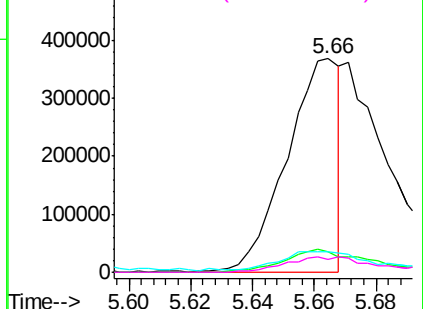


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#26

Hexane

Concen: 2.170 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Tgt Ion: 57 Resp: 438599

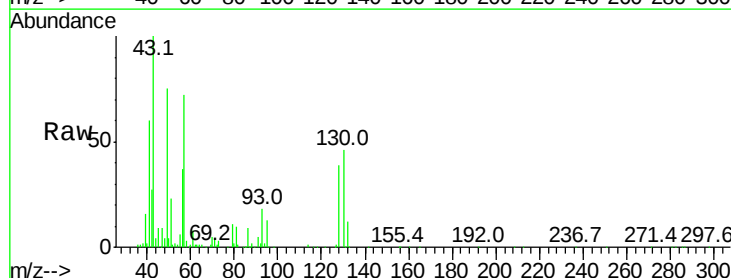
Ion Ratio Lower Upper

57 100

41 88.2 72.3 108.5

43 202.7 172.3 258.5

56 51.7 42.8 64.2

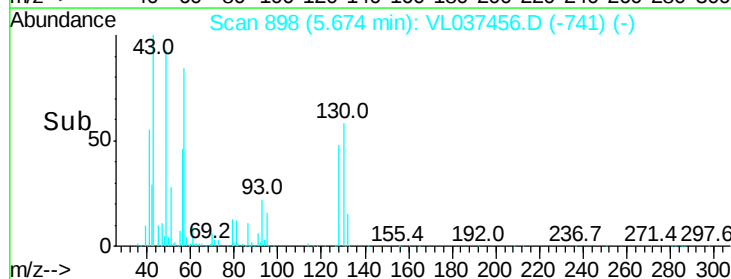
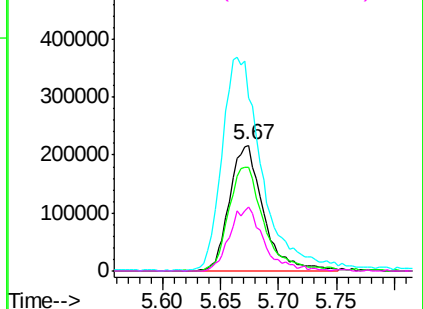


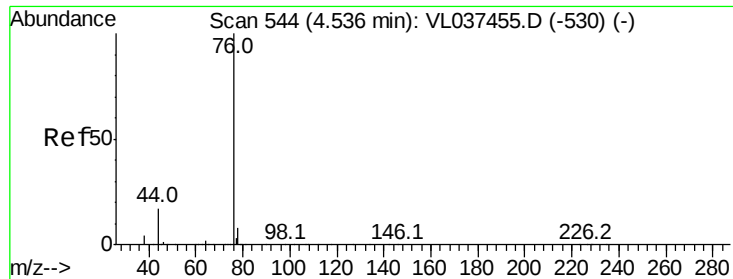
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.920 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

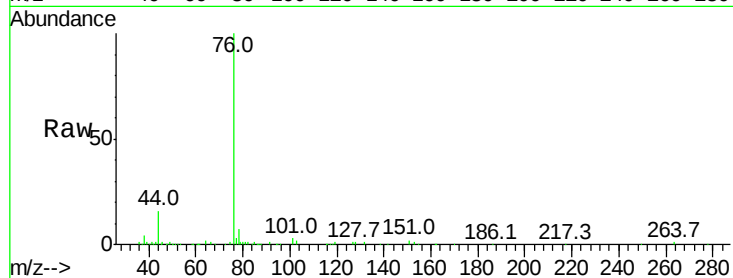
Tgt Ion: 76 Resp: 327290

Ion Ratio Lower Upper

76 100

44 20.3 13.9 20.9

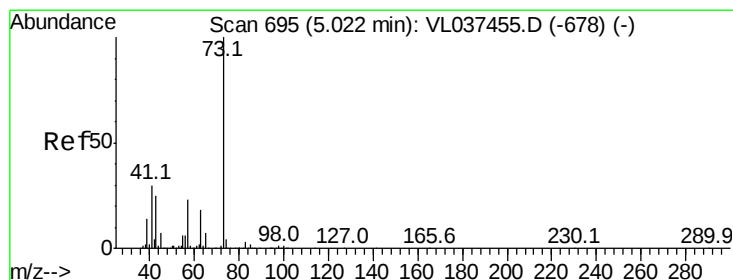
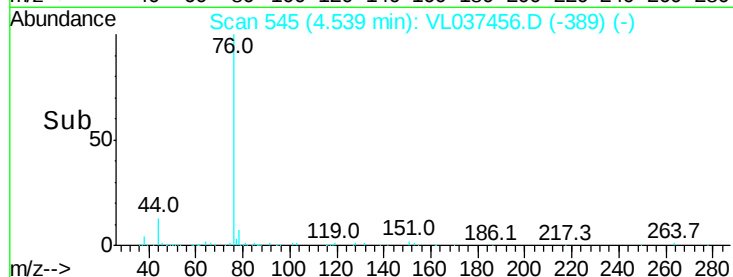
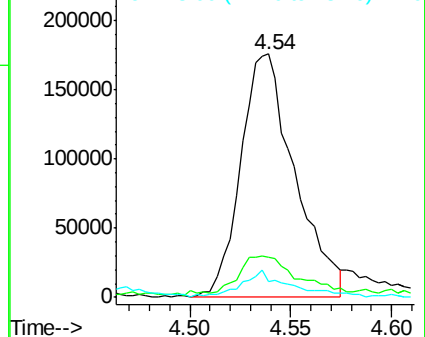
78 10.7 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.875 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037456.D

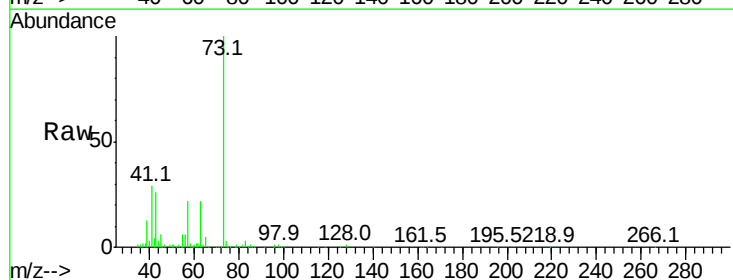
Acq: 16 Aug 2021 11:07

Tgt Ion: 73 Resp: 405657

Ion Ratio Lower Upper

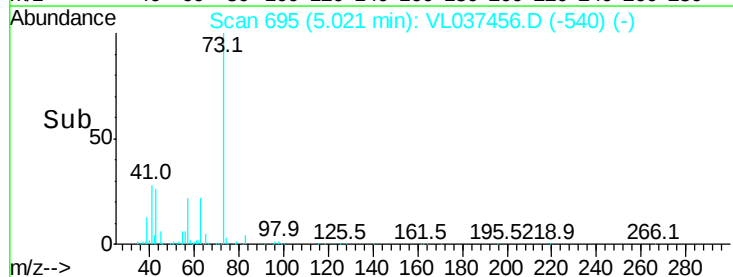
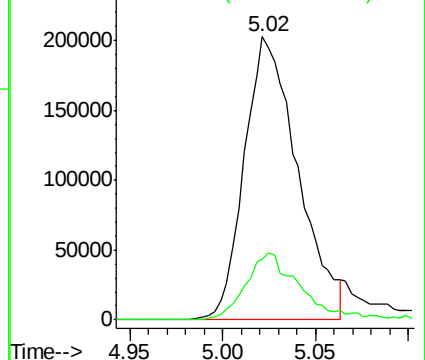
73 100

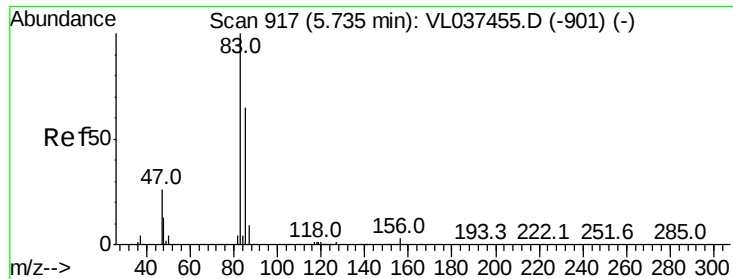
57 24.9 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

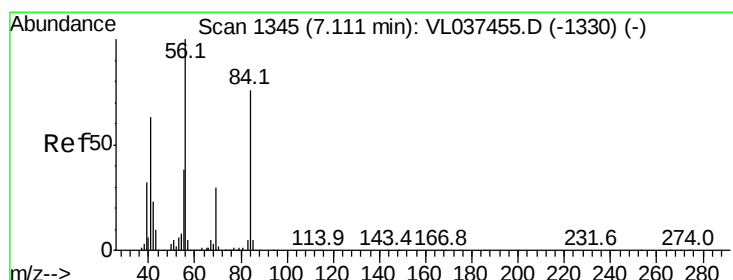
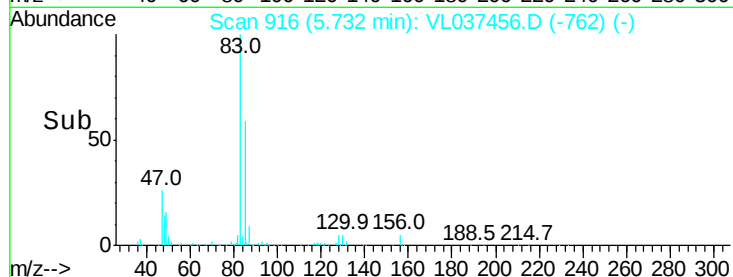
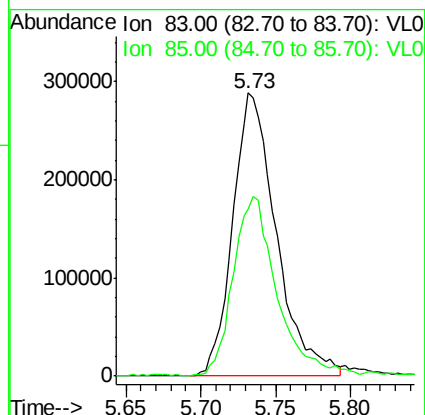
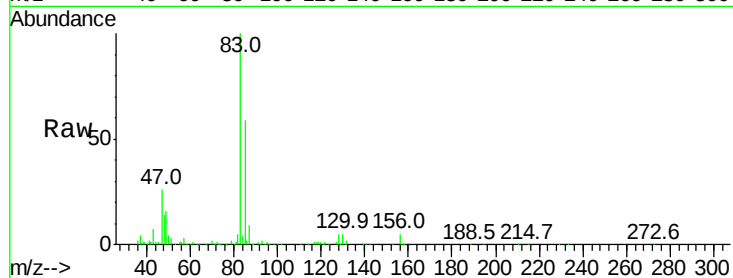




#29
Chloroform
Concen: 2.039 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

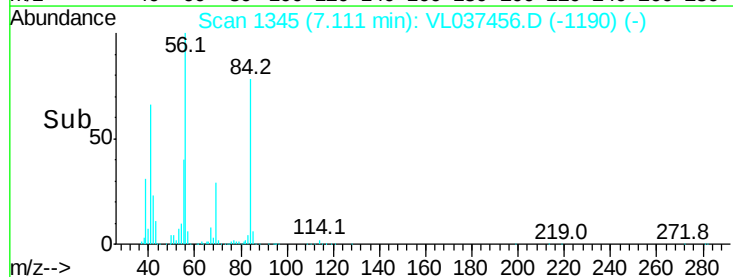
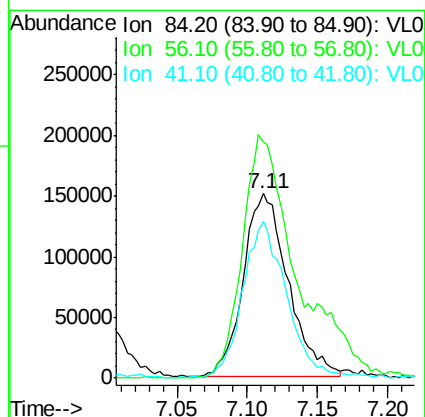
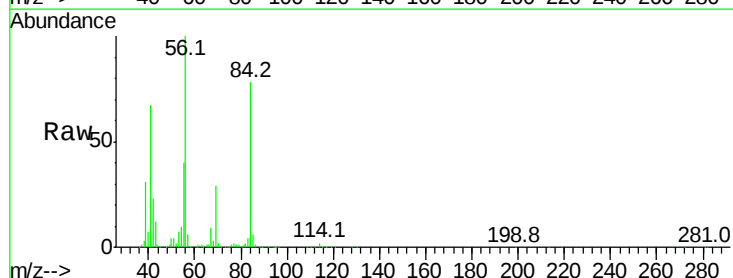
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

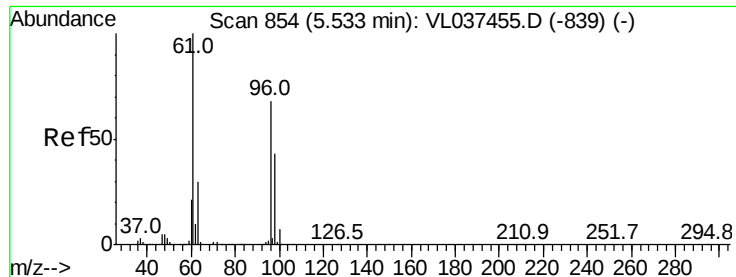
Tgt Ion: 83 Resp: 580244
Ion Ratio Lower Upper
83 100
85 58.9 52.3 78.5



#30
Cyclohexane
Concen: 2.021 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 84 Resp: 336497
Ion Ratio Lower Upper
84 100
56 165.3 110.6 165.8
41 84.9 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 2.145 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

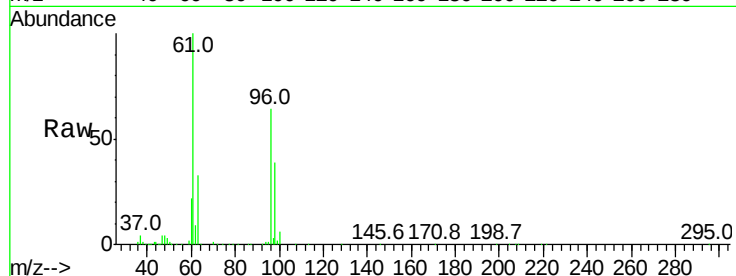
Tgt Ion: 61 Resp: 374771

Ion Ratio Lower Upper

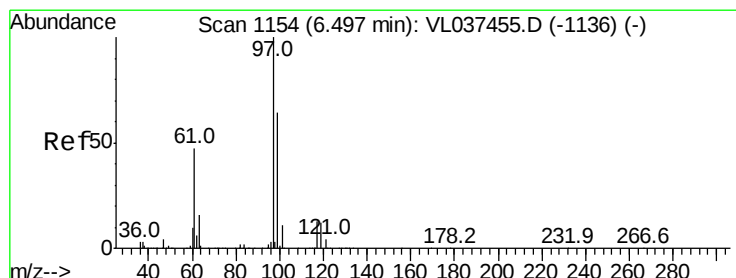
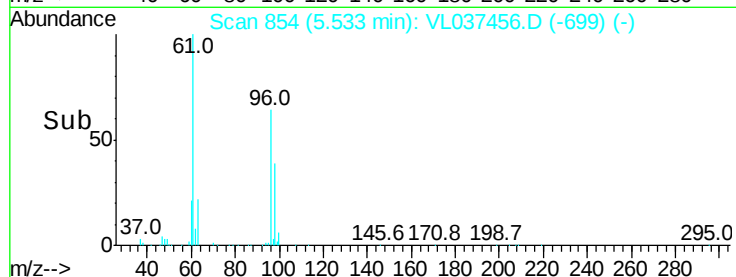
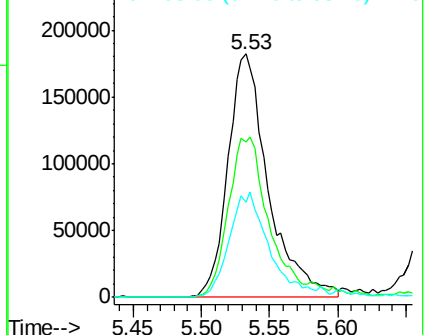
61 100

96 63.6 54.8 82.2

98 39.0 34.2 51.2



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: 1.958 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

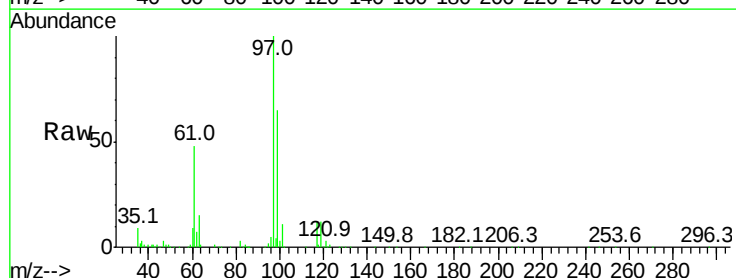
Tgt Ion: 97 Resp: 562519

Ion Ratio Lower Upper

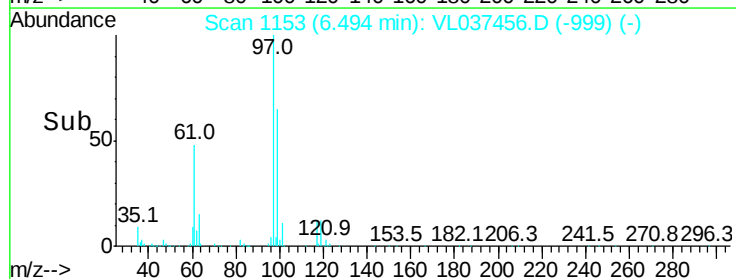
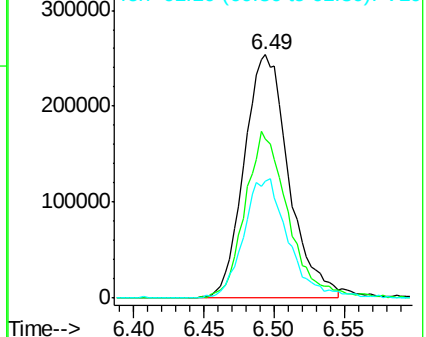
97 100

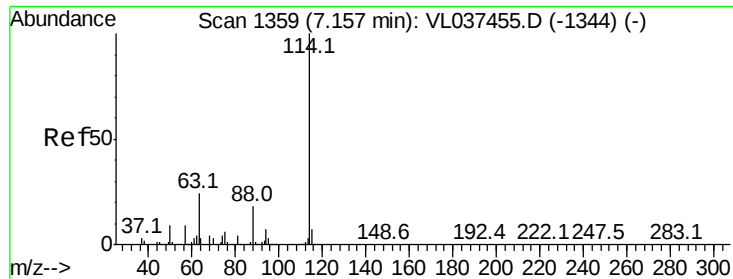
99 66.6 51.8 77.6

61 49.9 39.6 59.4



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

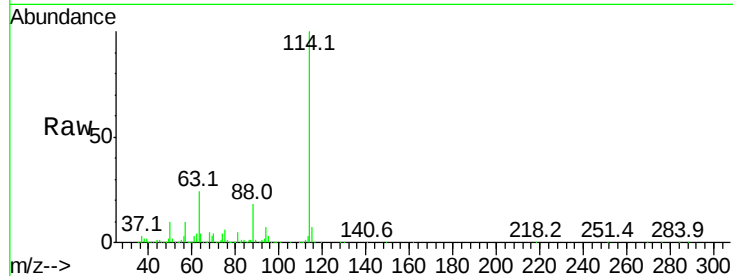




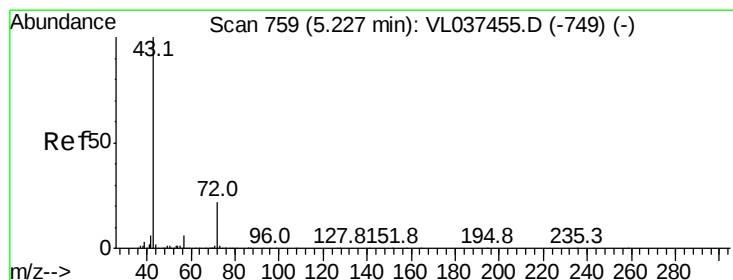
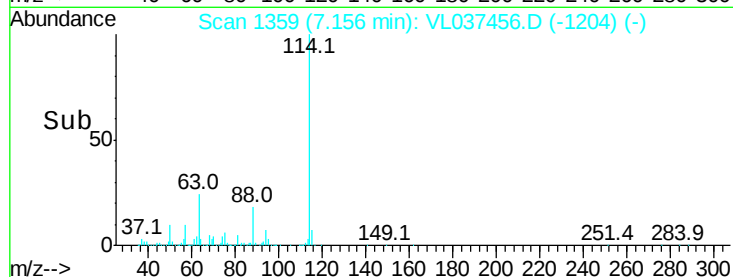
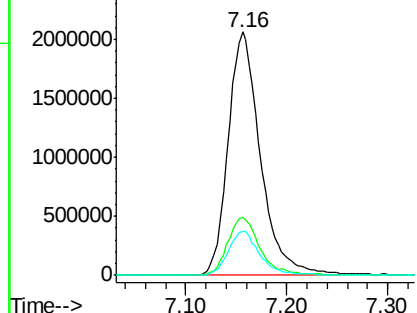
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 4602481
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.3 28.9
 88 18.1 14.2 21.4

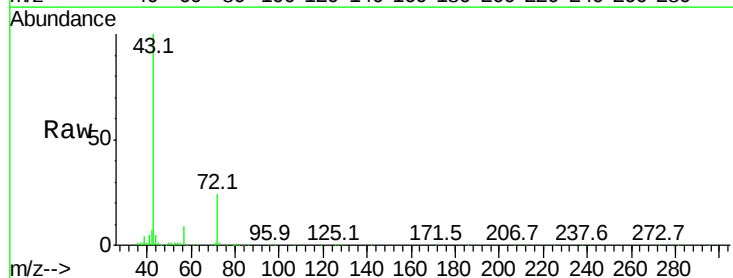


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

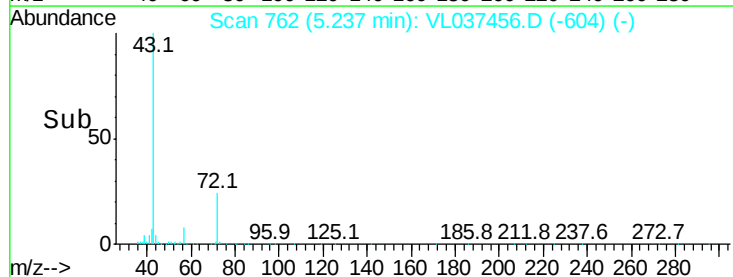
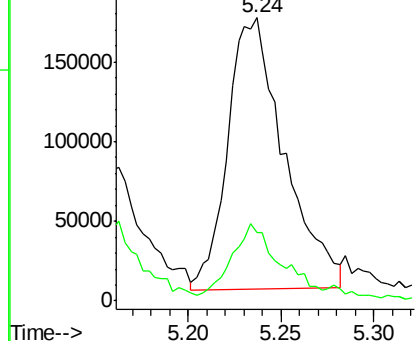


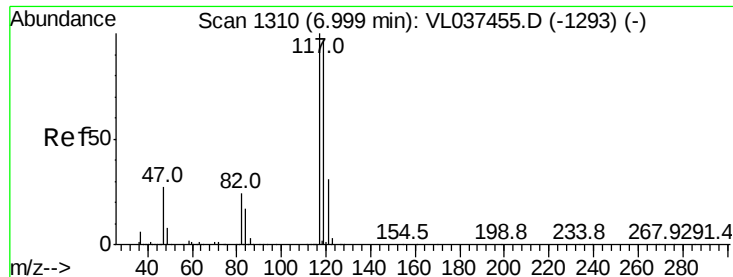
#34
 2-Butanone
 Concen: 1.905 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion: 43 Resp: 361970
 Ion Ratio Lower Upper
 43 100
 72 28.5 17.4 26.0#



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





#35

Carbon Tetrachloride

Concen: 2.023 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

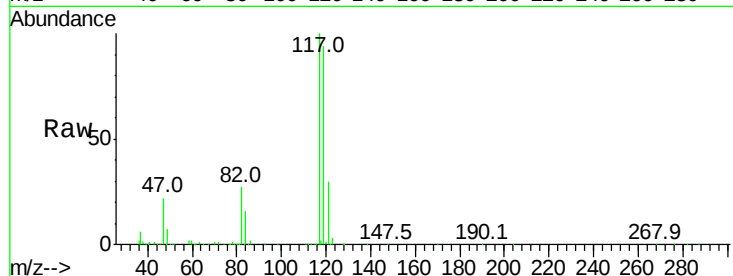
Tgt Ion:117 Resp: 574131

Ion Ratio Lower Upper

117 100

119 94.0 77.3 115.9

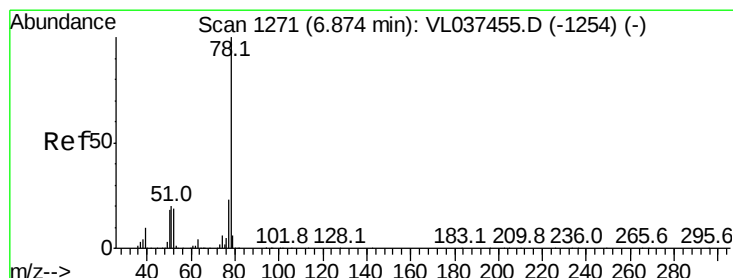
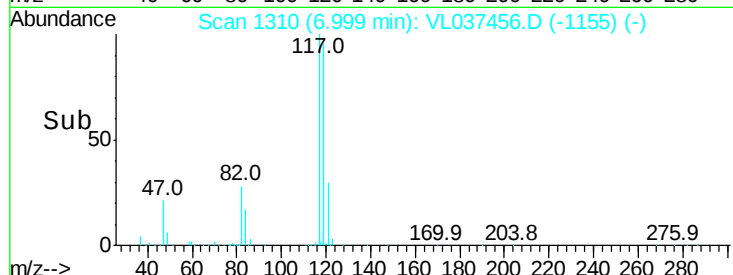
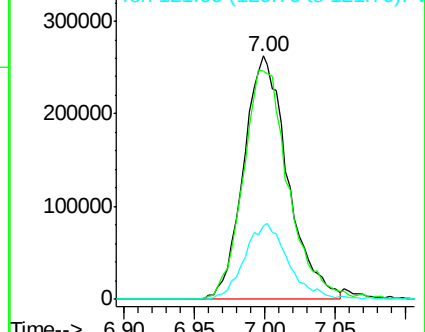
121 30.3 25.2 37.8



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: 2.171 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

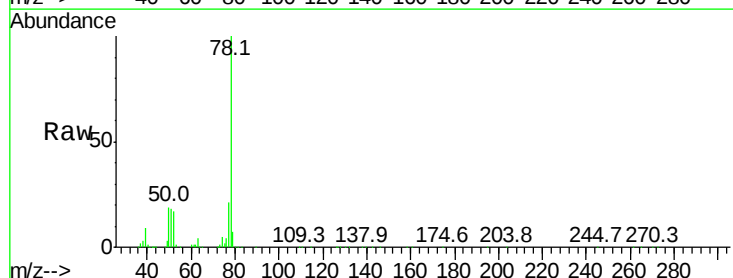
Tgt Ion: 78 Resp: 842714

Ion Ratio Lower Upper

78 100

77 21.1 18.2 27.4

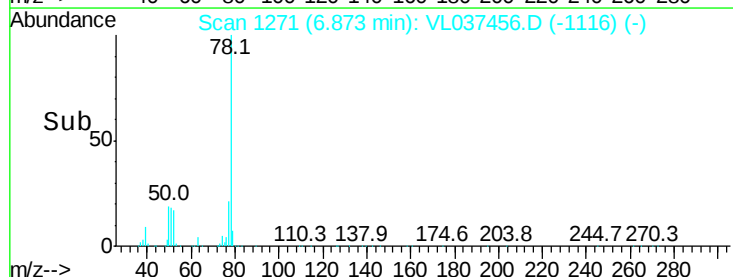
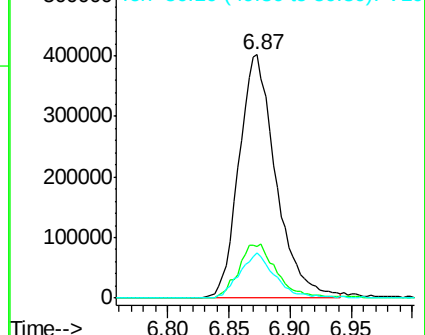
50 18.7 14.6 21.8

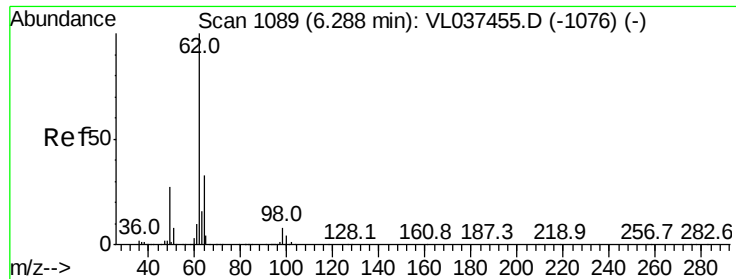


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.016 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

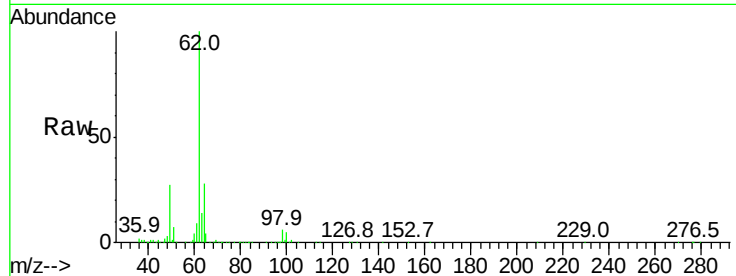
VSTDIC002

Tgt Ion: 62 Resp: 399192

Ion Ratio Lower Upper

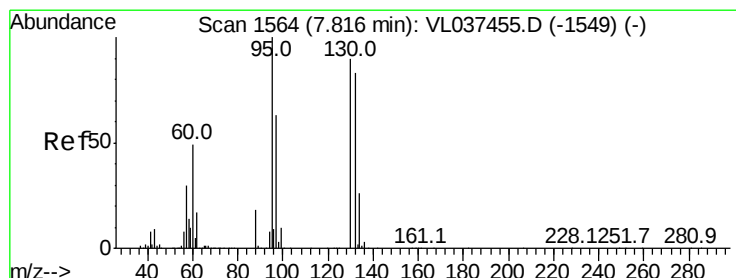
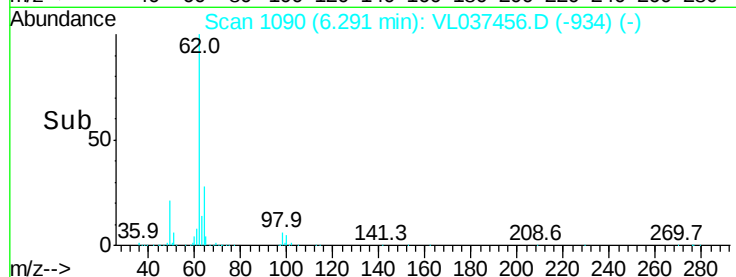
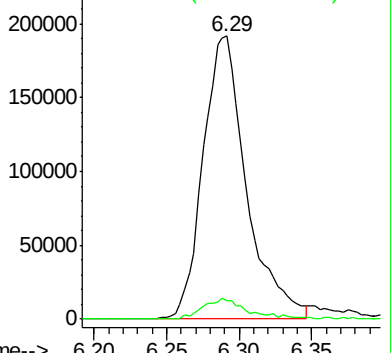
62 100

98 8.2 6.0 9.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 1.884 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Tgt Ion: 130 Resp: 322713

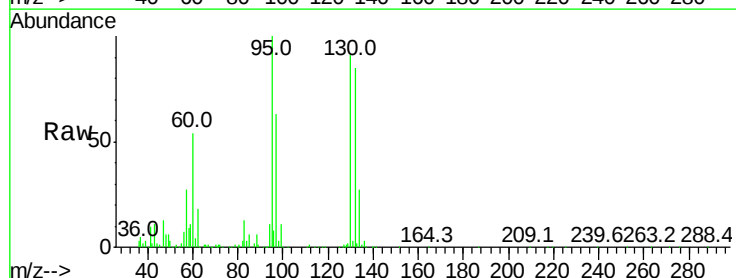
Ion Ratio Lower Upper

130 100

95 110.8 89.2 133.8

132 94.3 74.0 111.0

97 70.1 56.6 84.8

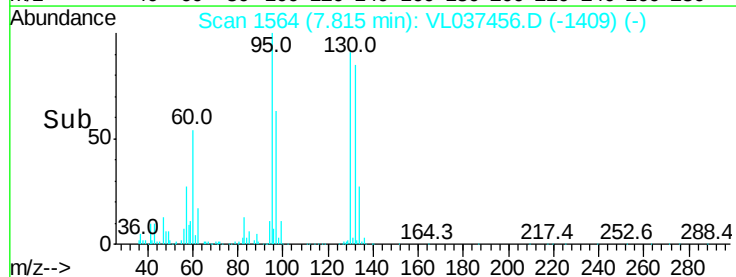
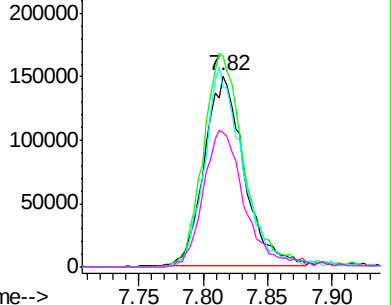


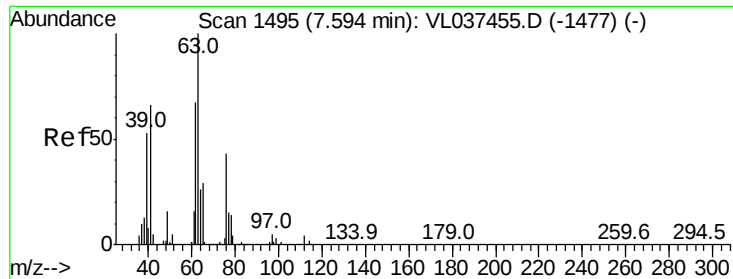
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 2.113 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

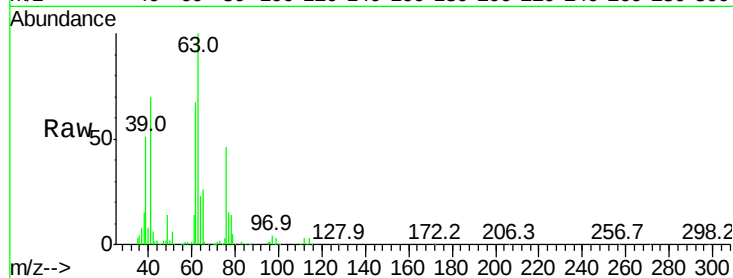
Tgt Ion: 63 Resp: 312367

Ion Ratio Lower Upper

63 100

41 68.4 52.4 78.6

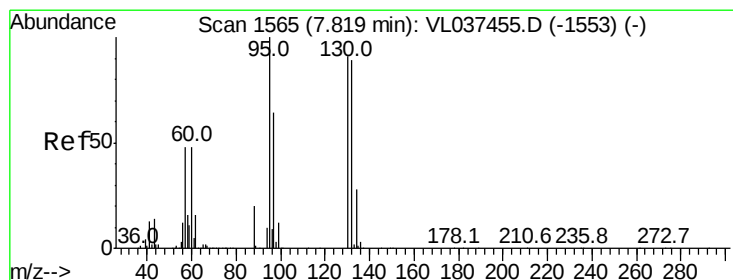
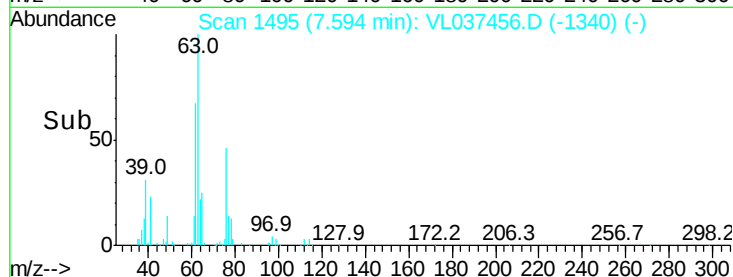
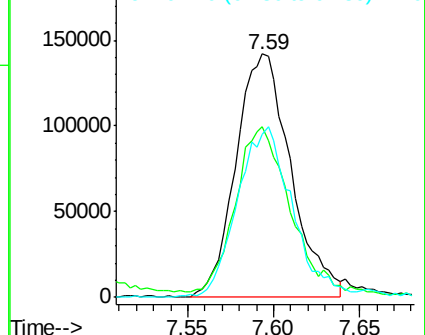
62 65.7 53.6 80.4



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: 0.719 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Tgt Ion: 88 Resp: 25884

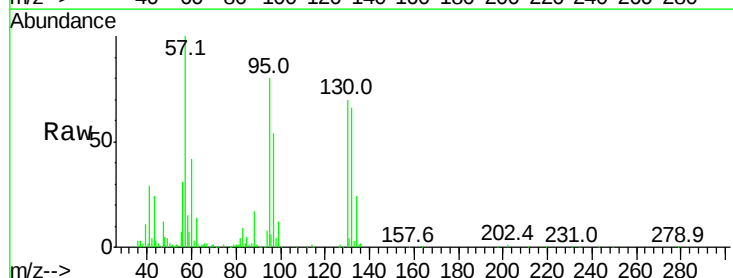
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

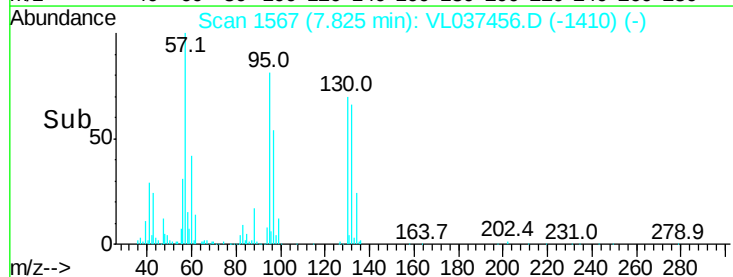
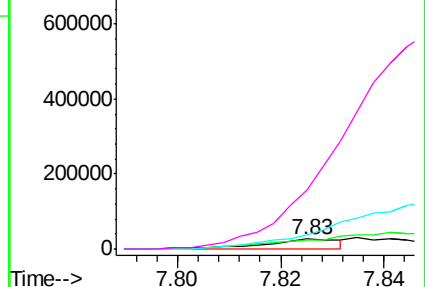


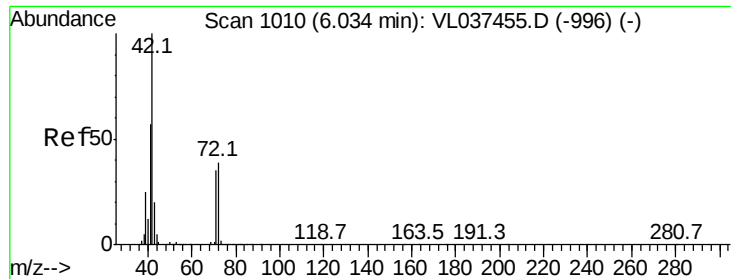
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

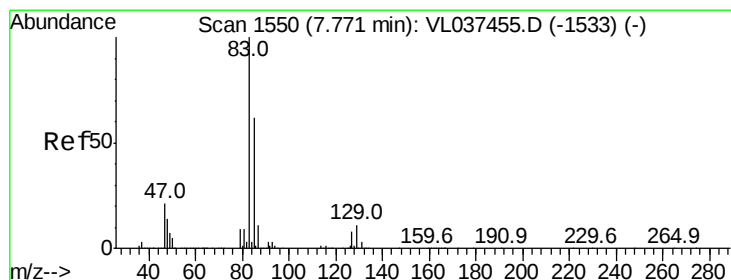
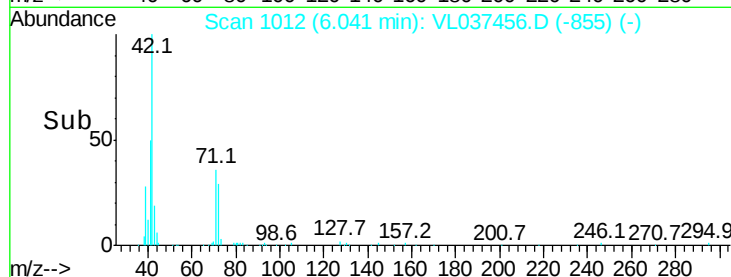
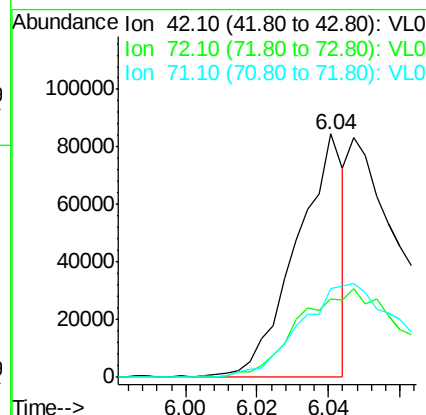
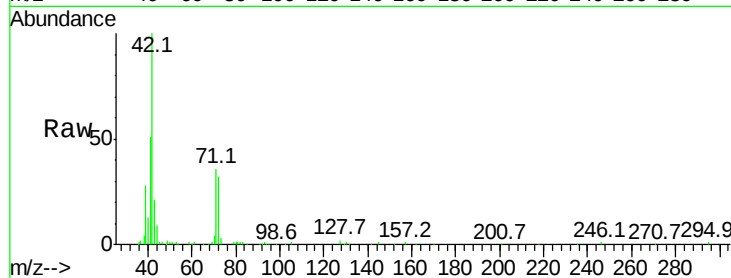




#41
Tetrahydrofuran
Concen: 0.885 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

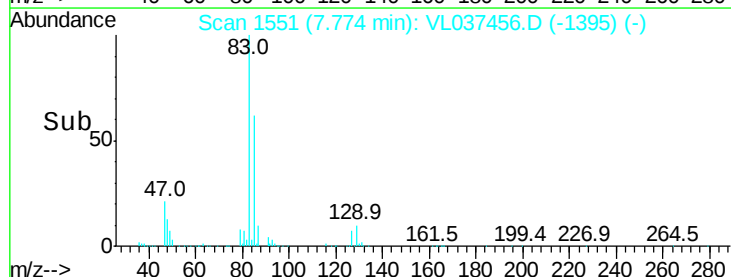
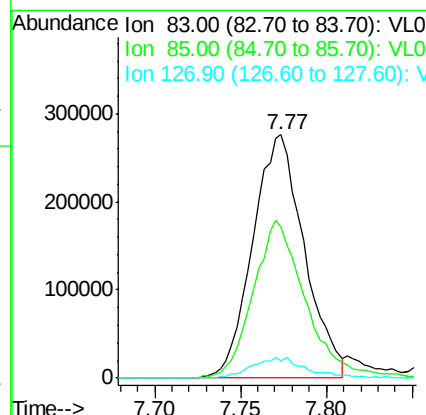
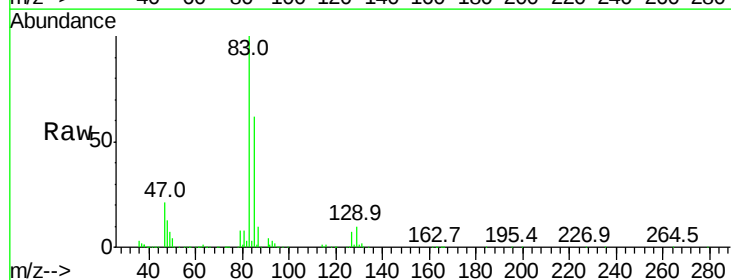
Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

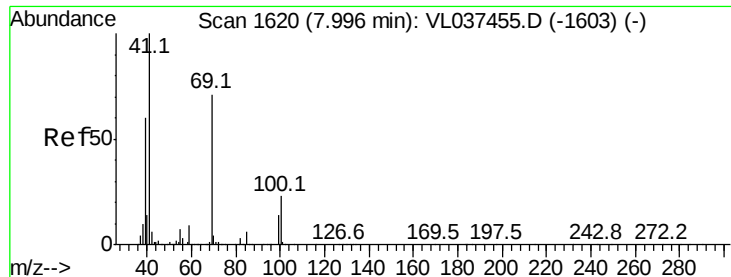
Tgt Ion: 42 Resp: 77233
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 30.5 45.7#



#42
Bromodichloromethane
Concen: 2.066 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 83 Resp: 572833
Ion Ratio Lower Upper
83 100
85 62.2 49.5 74.3
127 7.2 6.3 9.5

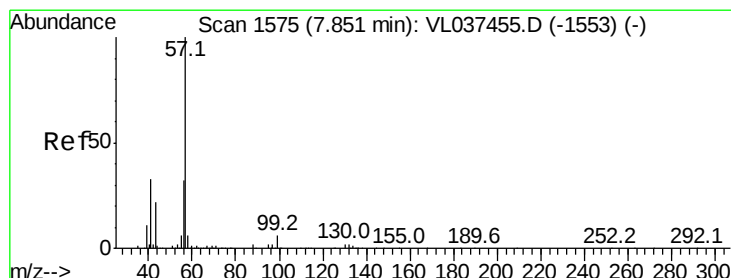
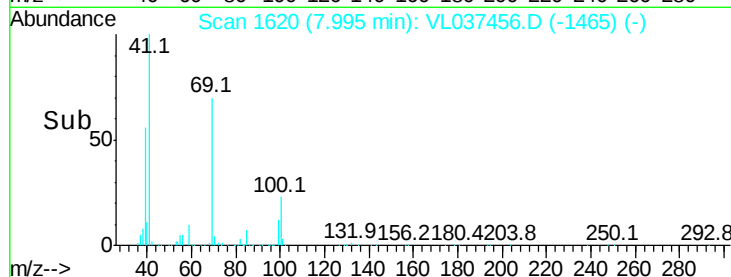
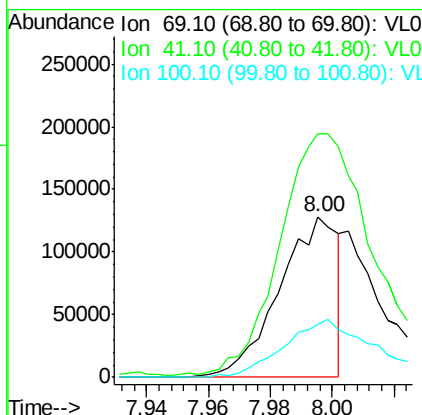
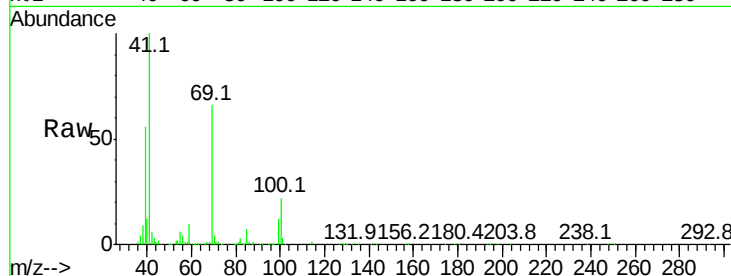




#43
Methyl Methacrylate
Concen: 1.284 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

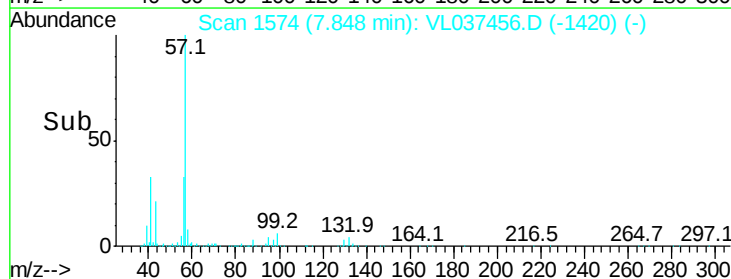
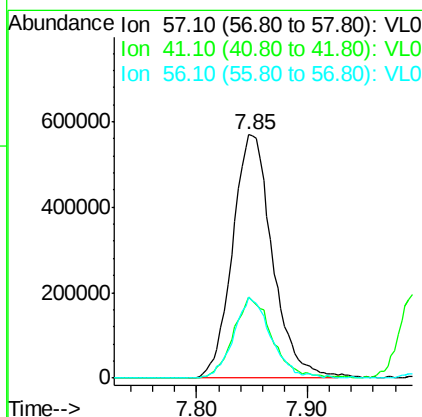
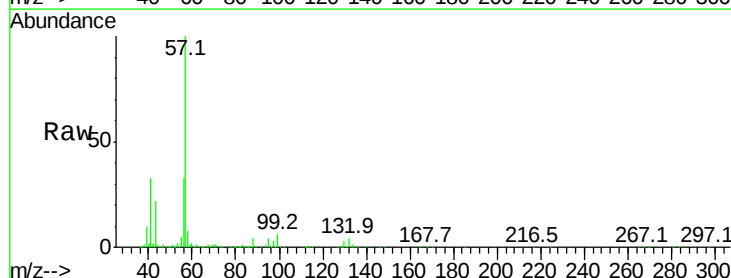
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

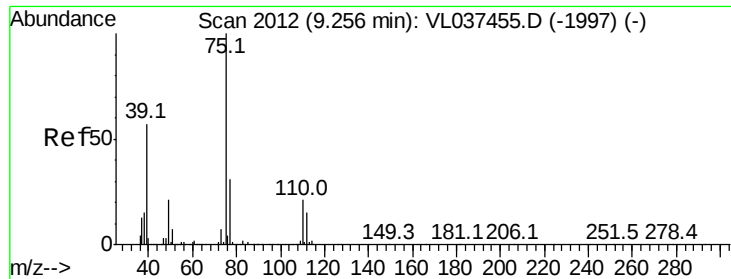
Tgt Ion: 69 Resp: 168883
Ion Ratio Lower Upper
69 100
41 252.7 118.6 178.0#
100 58.5 27.4 41.0#



#44
2,2,4-Trimethylpentane
Concen: 2.192 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 57 Resp: 1422351
Ion Ratio Lower Upper
57 100
41 32.1 26.2 39.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 2.002 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

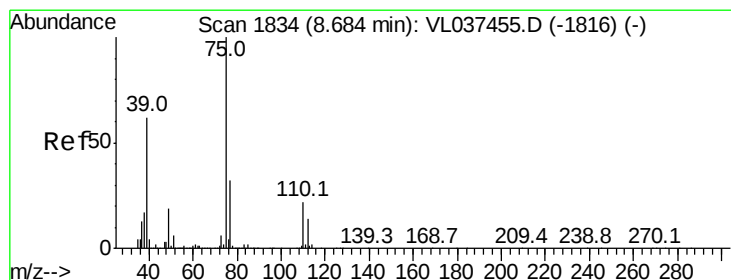
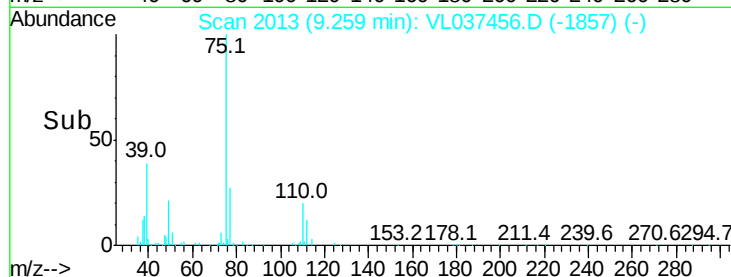
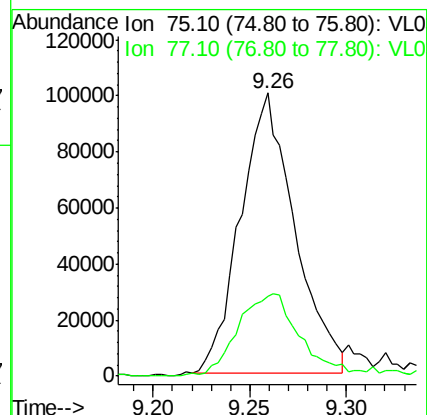
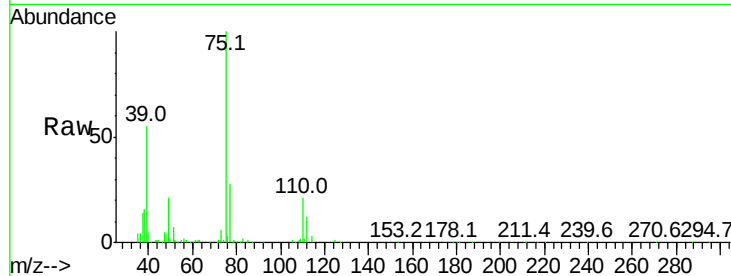
VSTDIC002

Tgt Ion: 75 Resp: 195711

Ion Ratio Lower Upper

75 100

77 28.3 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 1.130 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

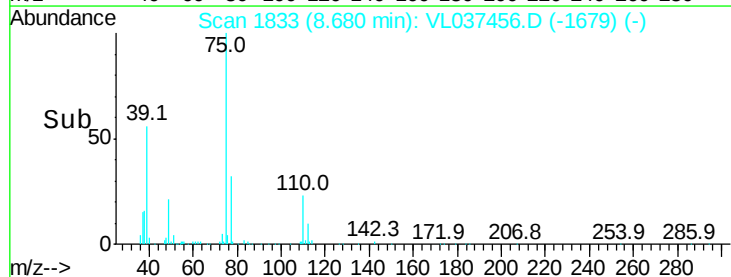
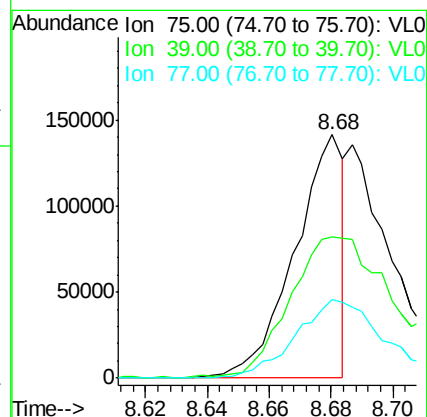
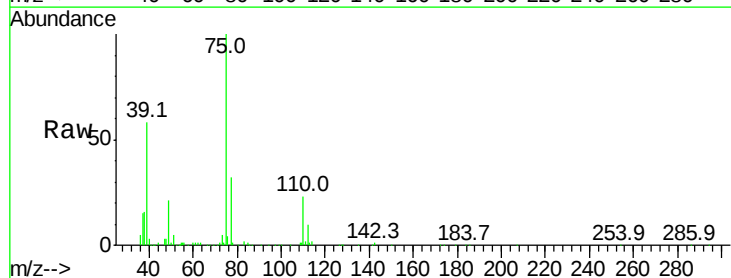
Tgt Ion: 75 Resp: 154246

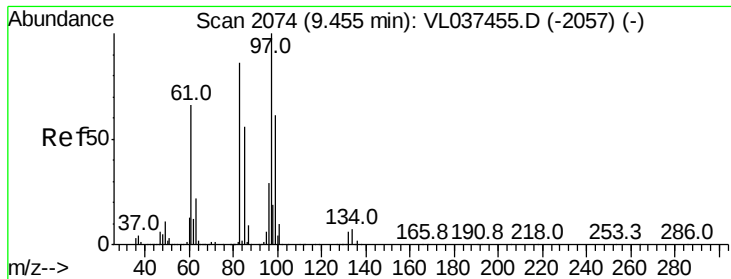
Ion Ratio Lower Upper

75 100

39 57.1 49.7 74.5

77 32.2 25.4 38.0

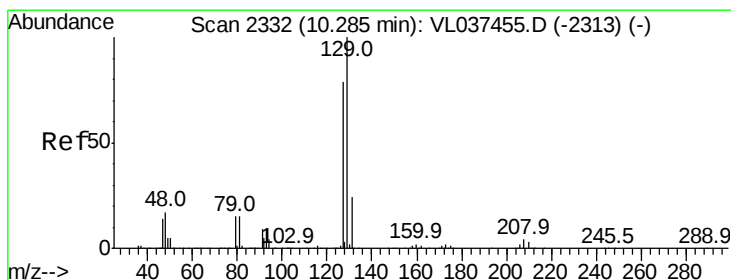
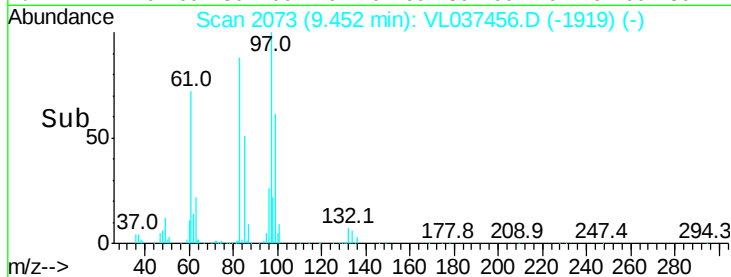
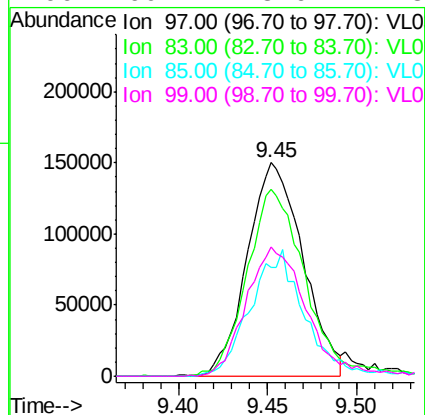
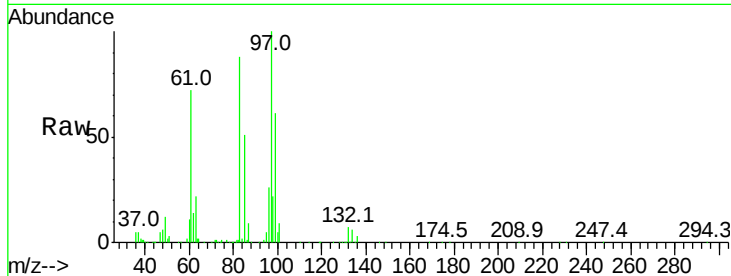




#47
 1,1,2-Trichloroethane
 Concen: 2.035 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

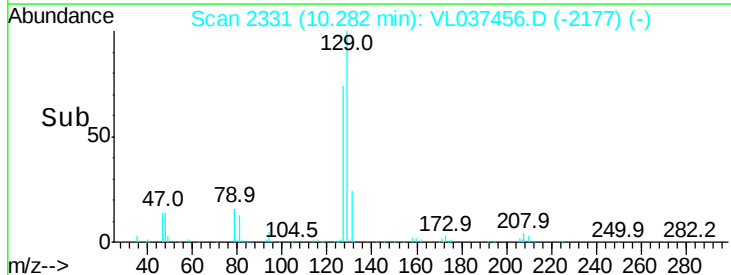
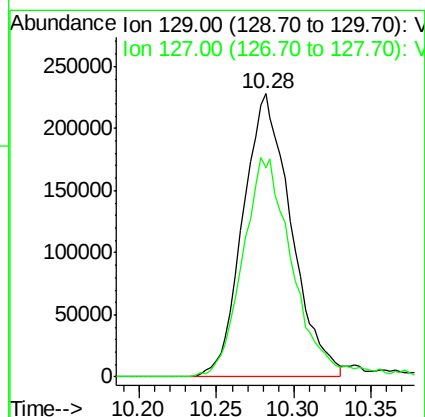
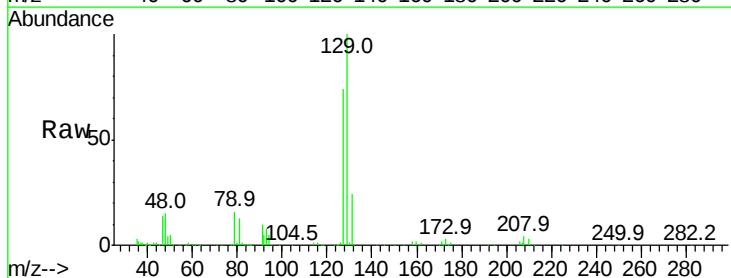
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

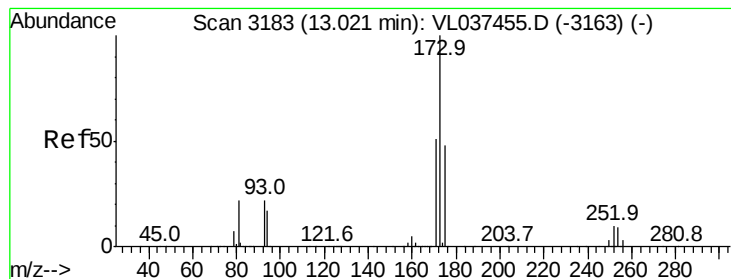
Tgt Ion:	97	Resp:	325209
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.7	103.1
85	51.2	44.7	67.1
99	60.2	48.6	72.8



#48
 Dibromochloromethane
 Concen: 2.128 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion:	129	Resp:	490683
Ion	Ratio	Lower	Upper
129	100		
127	81.0	40.0	120.0





#49

Bromoform

Concen: 1.146 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

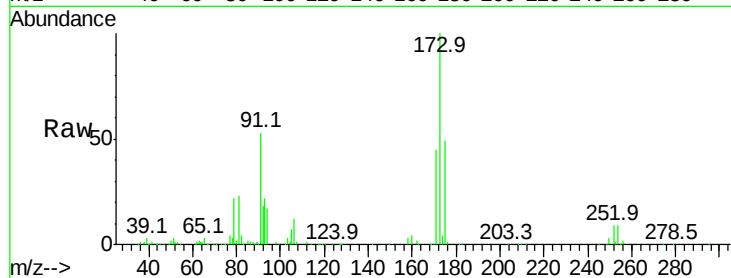
Tgt Ion: 173 Resp: 200154

Ion Ratio Lower Upper

173 100

175 97.2 41.9 62.9#

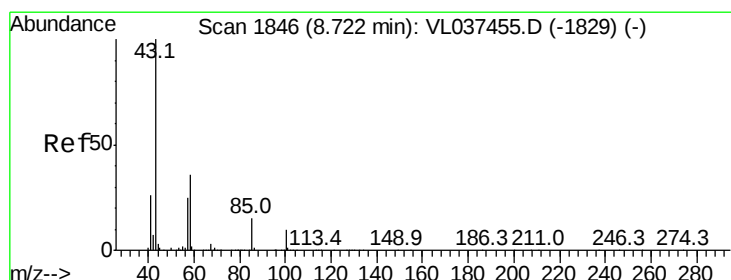
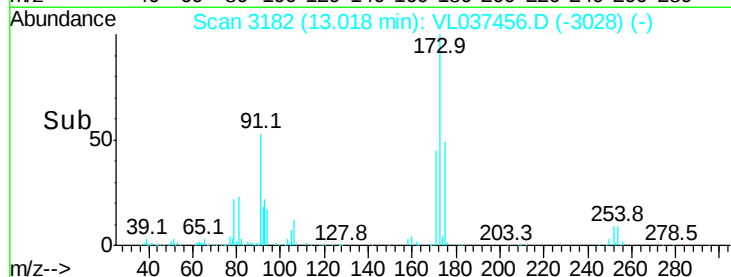
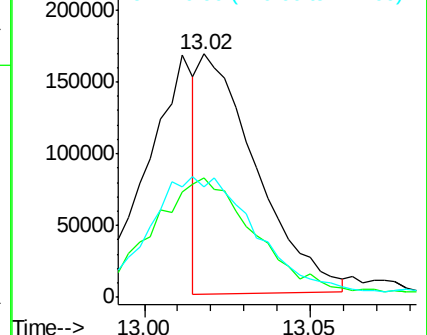
171 104.4 44.2 66.4#



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: 2.149 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL037456.D

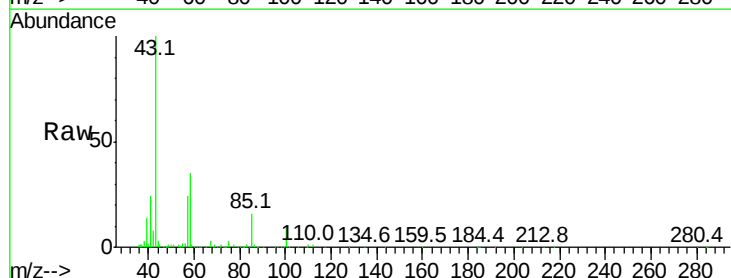
Acq: 16 Aug 2021 11:07

Tgt Ion: 43 Resp: 513691

Ion Ratio Lower Upper

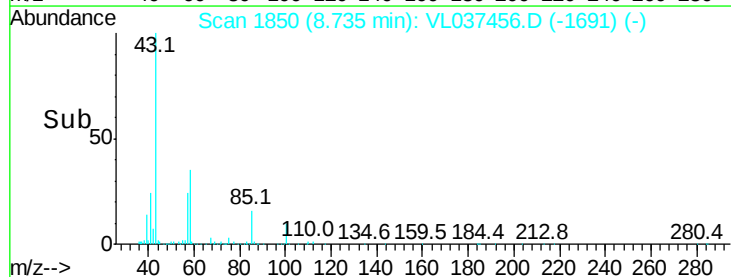
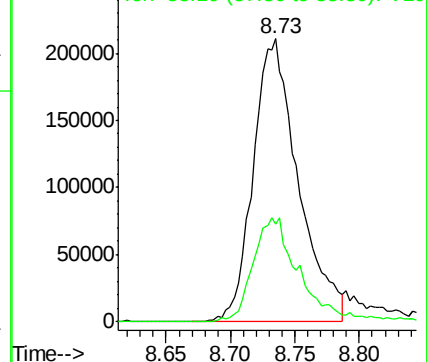
43 100

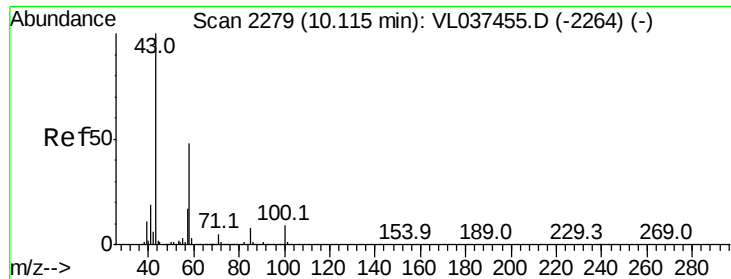
58 39.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

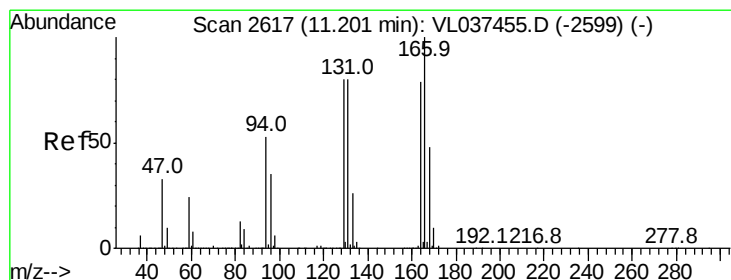
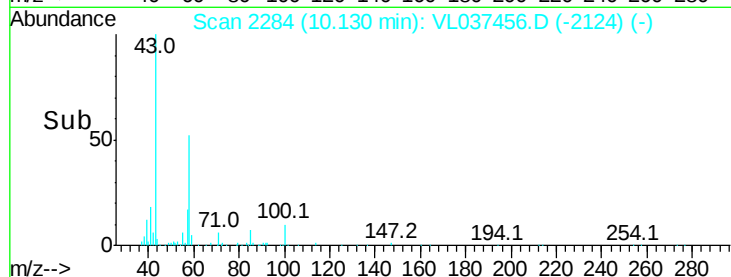
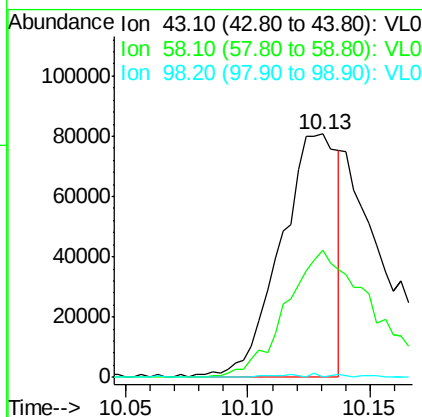
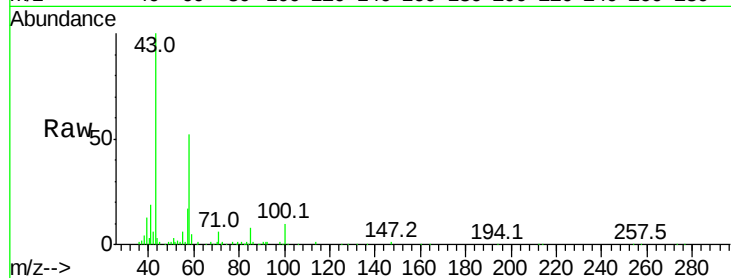




#51
2-Hexanone
Concen: 1.151 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

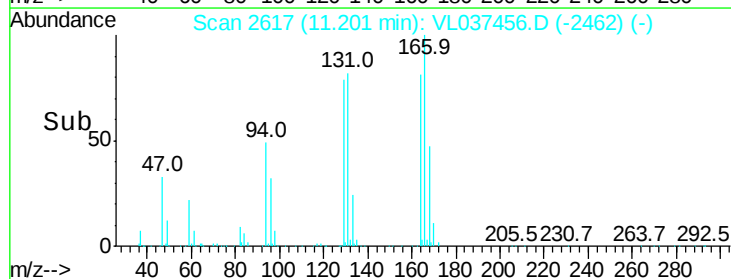
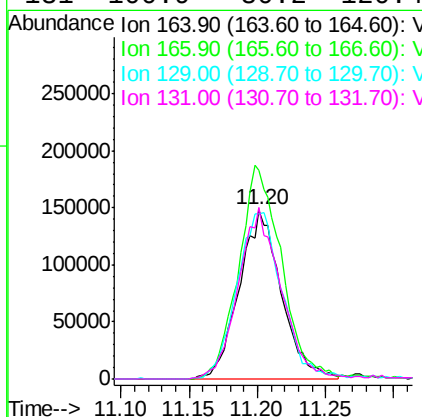
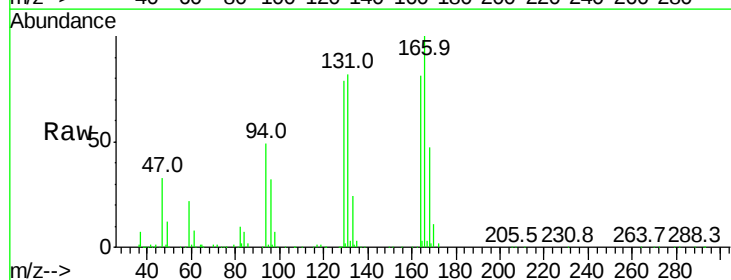
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

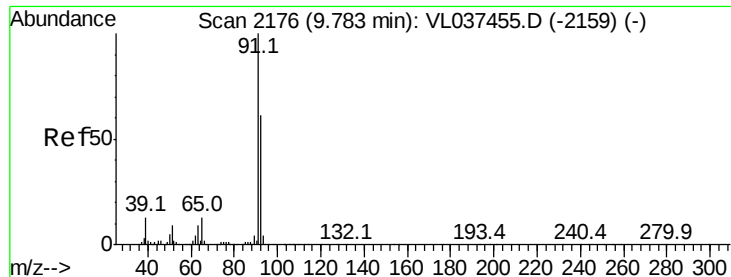
Tgt Ion: 43 Resp: 129414
Ion Ratio Lower Upper
43 100
58 92.1 41.0 61.6#
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 1.926 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 164 Resp: 314867
Ion Ratio Lower Upper
164 100
166 123.3 100.7 151.1
129 97.8 80.9 121.3
131 100.9 80.2 120.4





#53

Toluene

Concen: 2.182 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

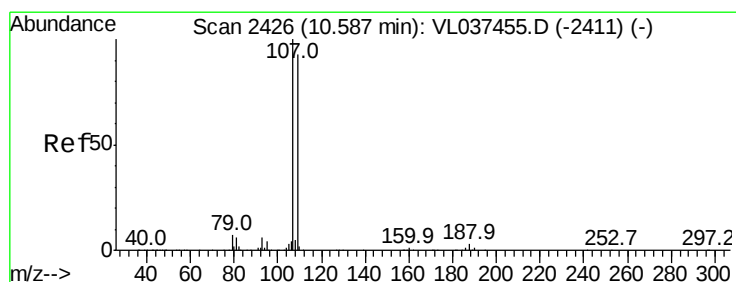
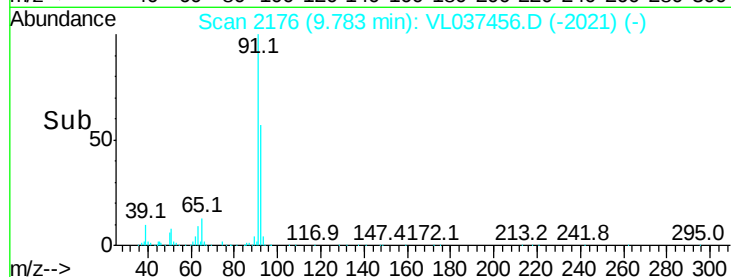
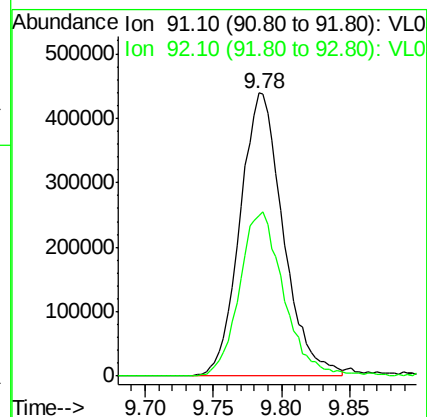
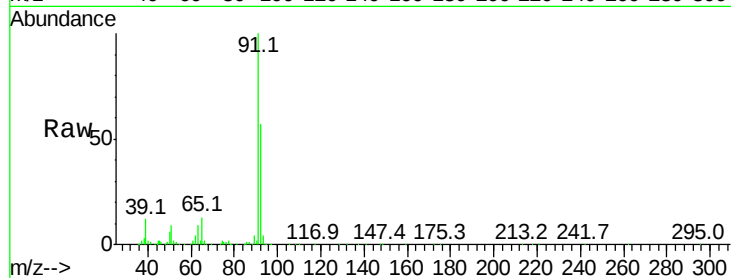
VSTDIC002

Tgt Ion: 91 Resp: 966843

Ion Ratio Lower Upper

91 100

92 59.6 48.8 73.2



#54

1,2-Dibromoethane

Concen: 2.132 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037456.D

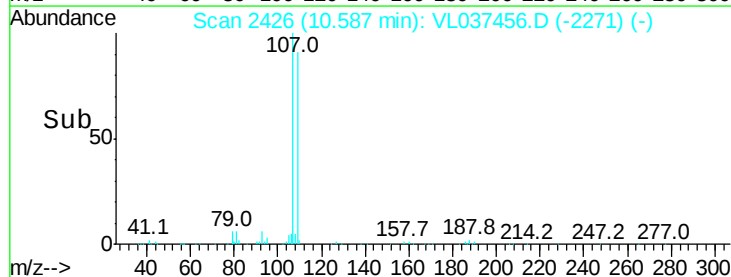
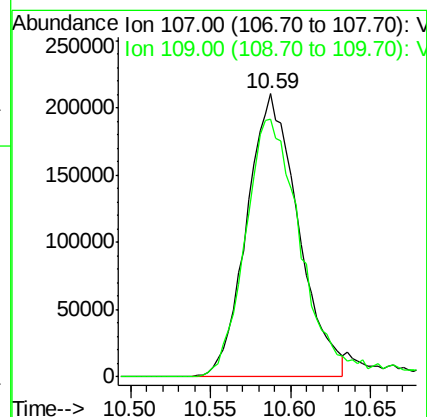
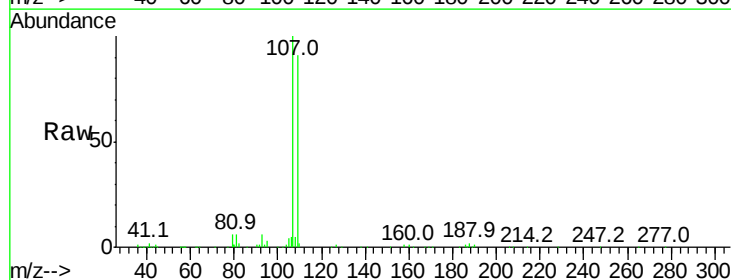
Acq: 16 Aug 2021 11:07

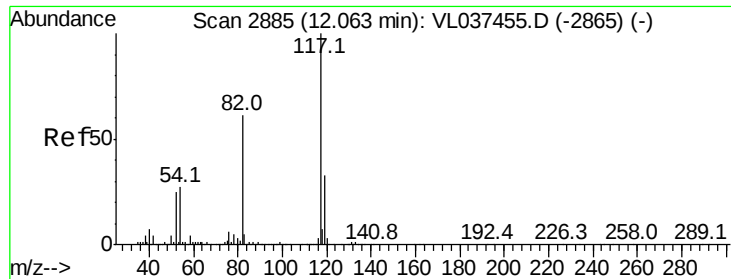
Tgt Ion: 107 Resp: 463790

Ion Ratio Lower Upper

107 100

109 90.8 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

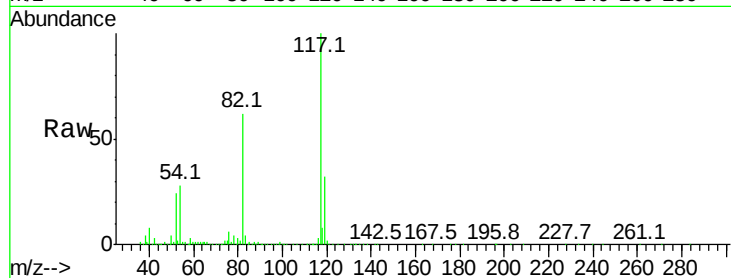
Tgt Ion:117 Resp: 4247434

Ion Ratio Lower Upper

117 100

82 60.9 52.9 79.3

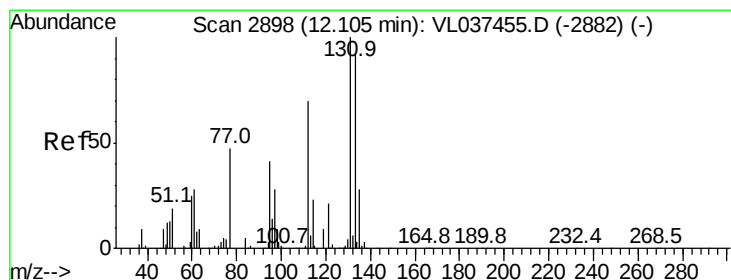
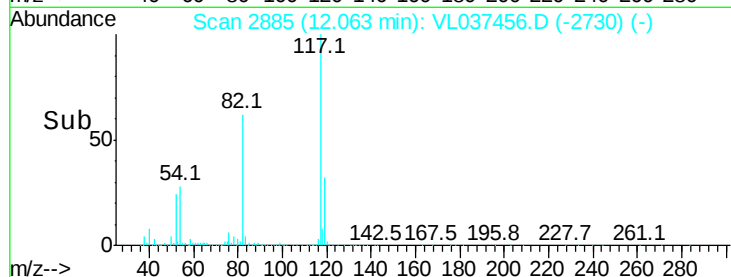
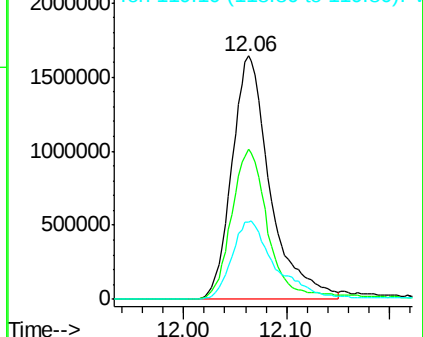
119 38.1 24.8 37.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.084 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

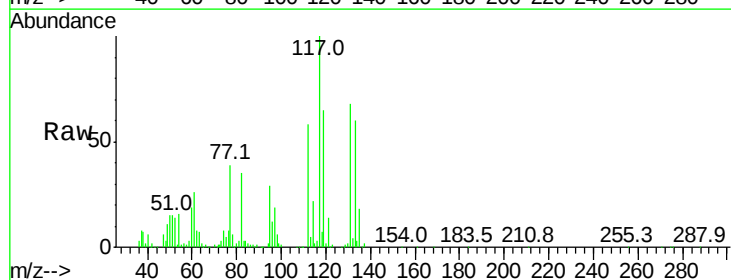
Tgt Ion:131 Resp: 183207

Ion Ratio Lower Upper

131 100

133 199.3 78.7 118.1#

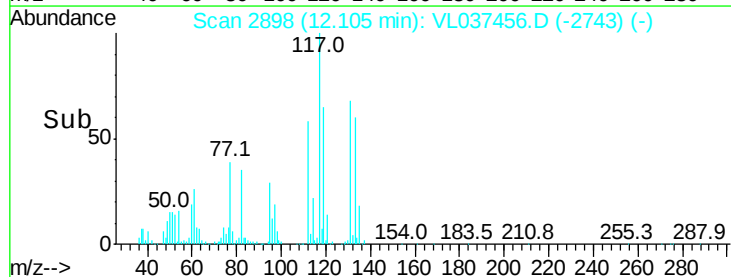
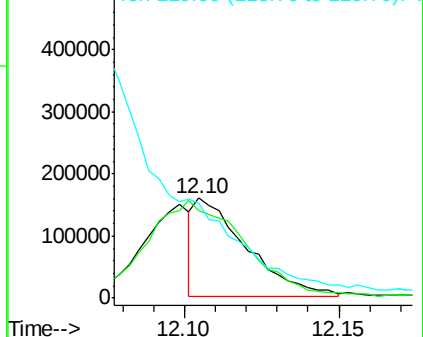
119 0.0 56.6 85.0#

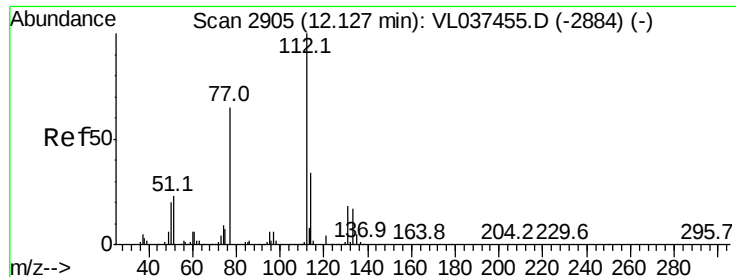


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 2.064 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

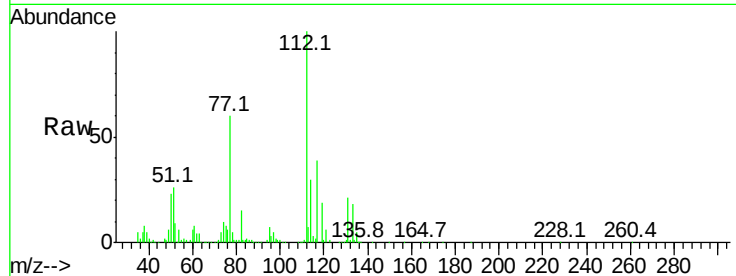
Tgt Ion: 112 Resp: 710334

Ion Ratio Lower Upper

112 100

77 57.6 51.6 77.4

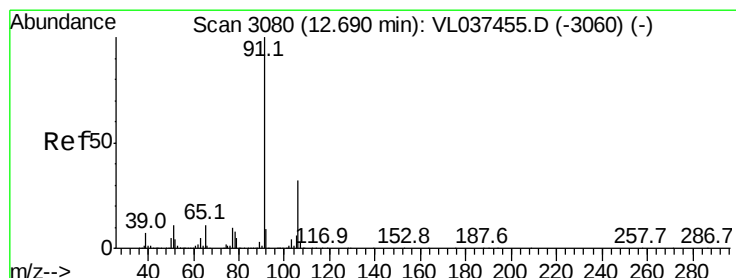
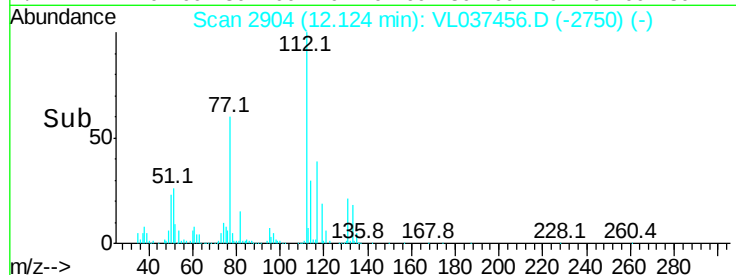
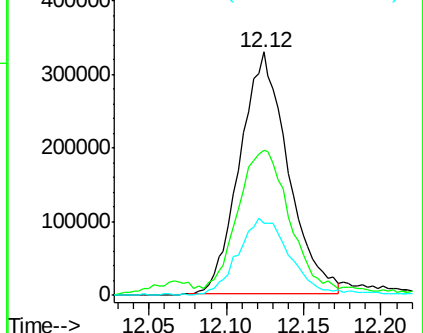
114 29.9 30.7 37.5#



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: 2.136 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL037456.D

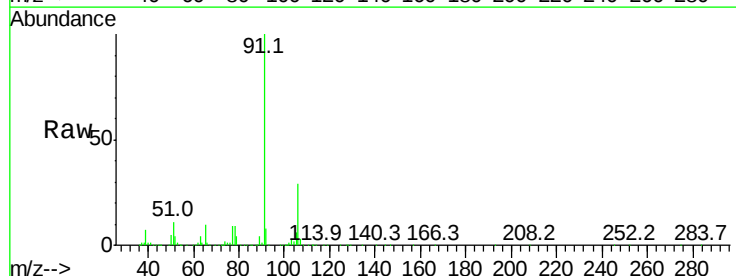
Acq: 16 Aug 2021 11:07

Tgt Ion: 91 Resp: 1230583

Ion Ratio Lower Upper

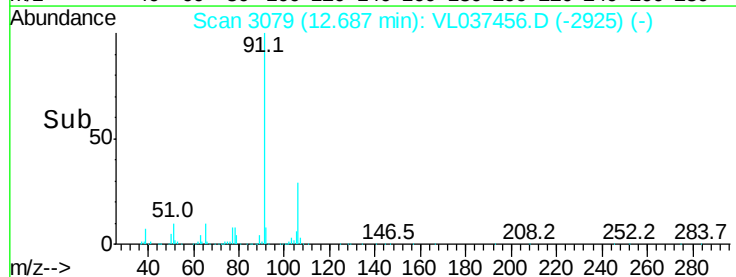
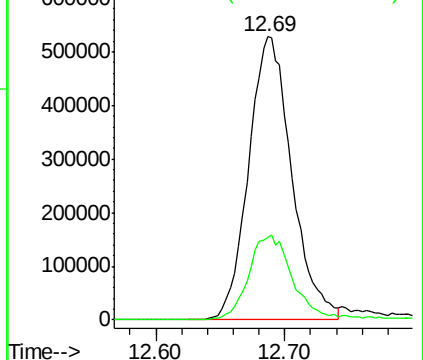
91 100

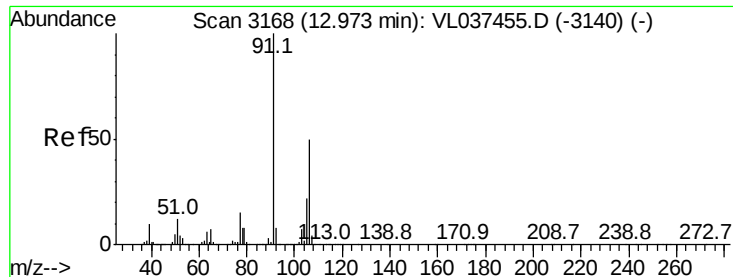
106 29.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

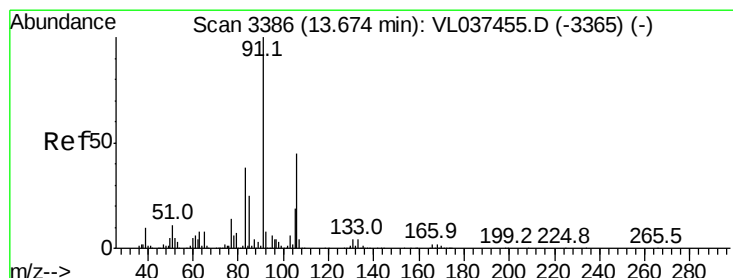
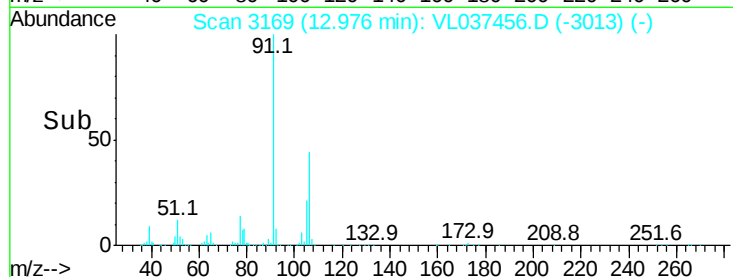
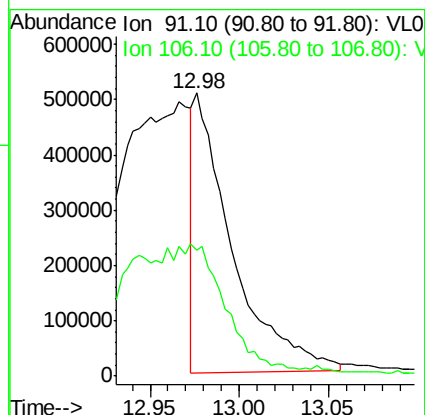
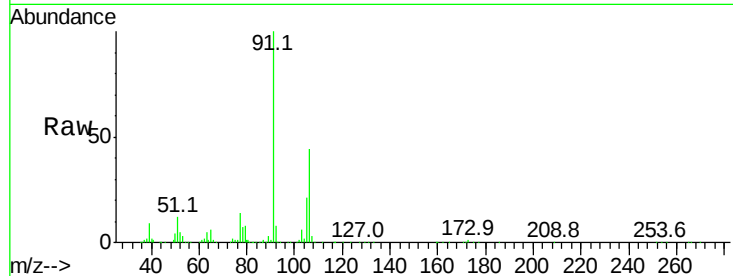




#59
m/p-Xylene
Concen: 1.467 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

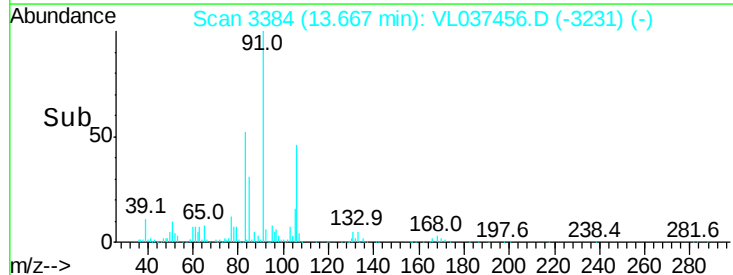
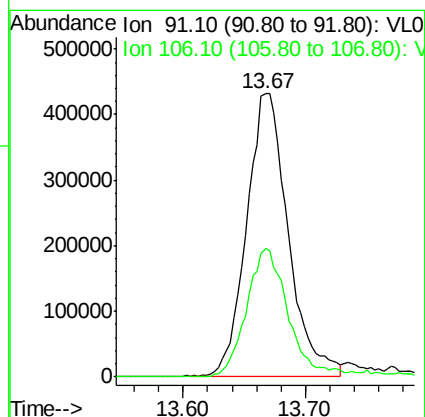
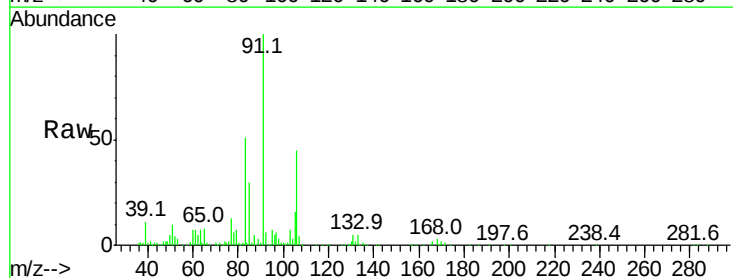
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

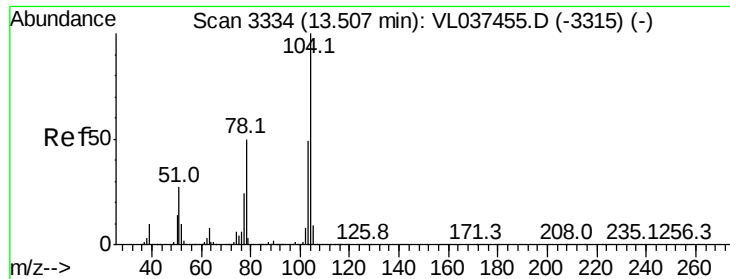
Tgt Ion: 91 Resp: 742336
Ion Ratio Lower Upper
91 100
106 134.2 36.9 55.3#



#60
o-Xylene
Concen: 2.158 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037456.D
Acq: 16 Aug 2021 11:07

Tgt Ion: 91 Resp: 1014457
Ion Ratio Lower Upper
91 100
106 45.7 23.7 71.1





#61

Styrene

Concen: 1.321 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

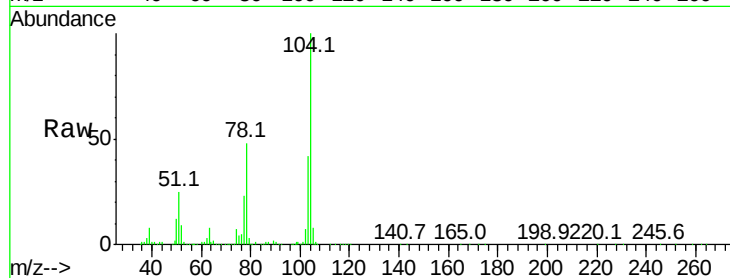
Tgt Ion:104 Resp: 313824

Ion Ratio Lower Upper

104 100

78 83.6 41.3 61.9#

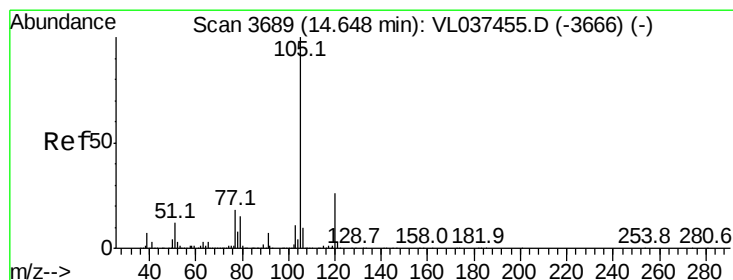
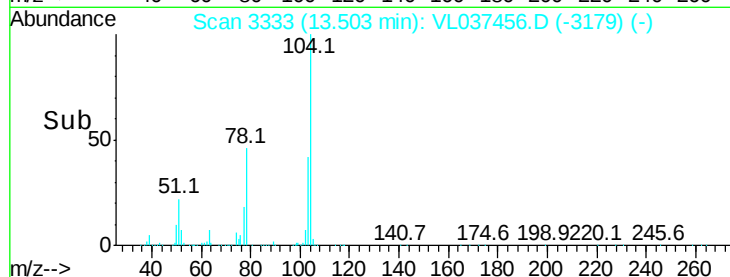
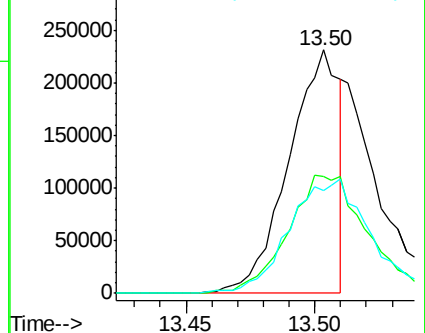
103 78.4 39.4 59.0#



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: 2.115 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037456.D

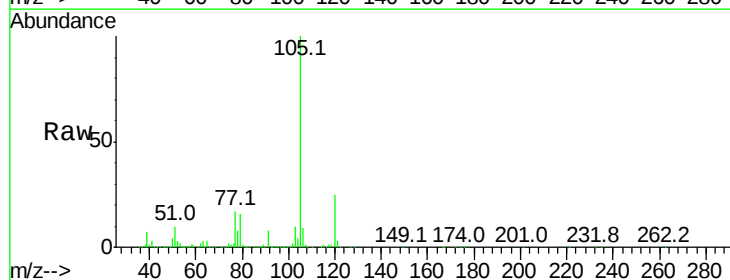
Acq: 16 Aug 2021 11:07

Tgt Ion:105 Resp: 1421937

Ion Ratio Lower Upper

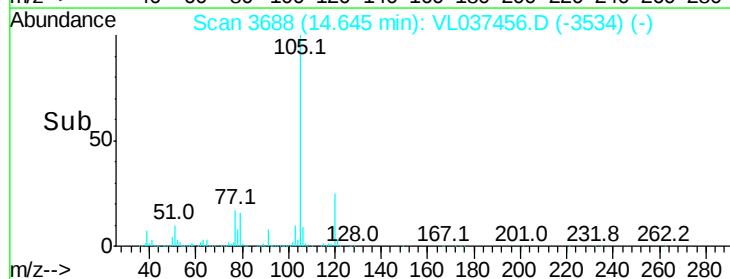
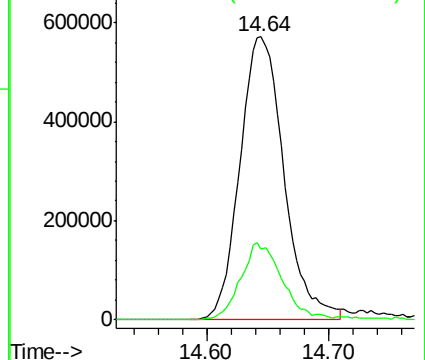
105 100

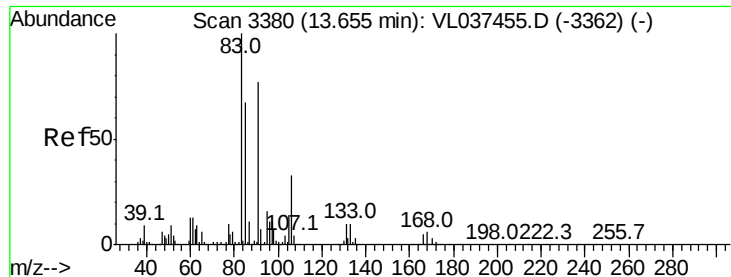
120 26.1 21.5 32.3



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: 2.104 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

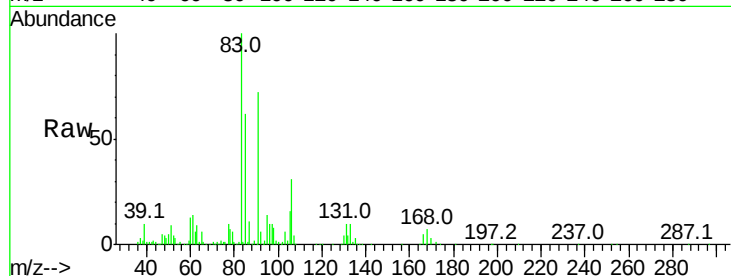
Tgt Ion: 83 Resp: 746103

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

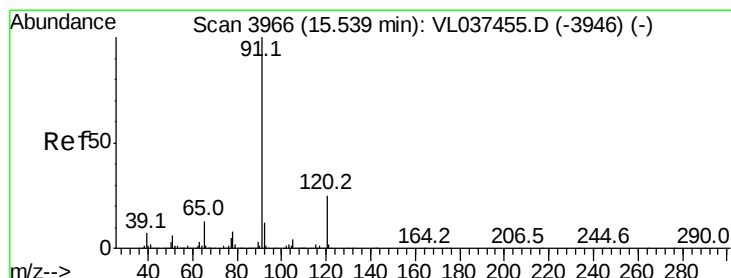
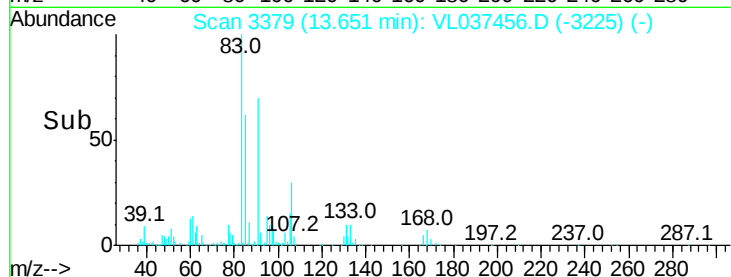
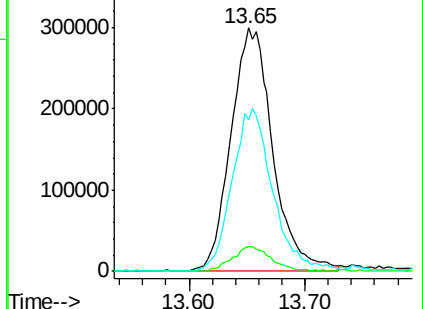
85 66.0 33.8 101.3



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: 2.129 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037456.D

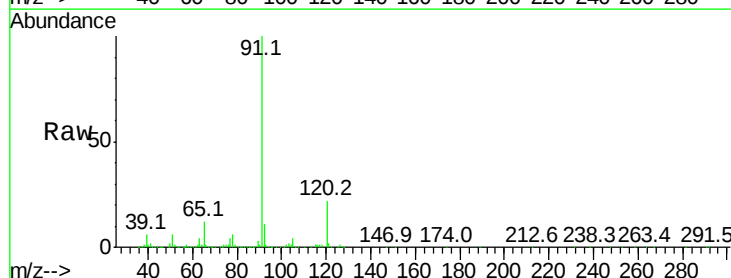
Acq: 16 Aug 2021 11:07

Tgt Ion: 120 Resp: 360250

Ion Ratio Lower Upper

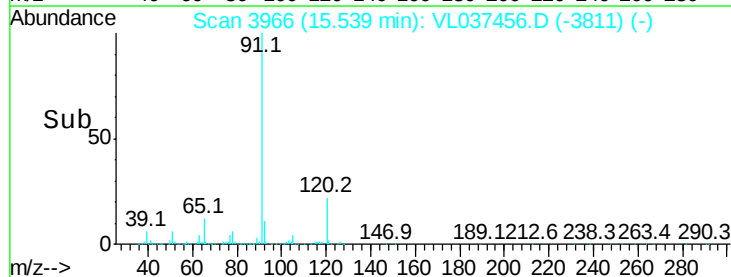
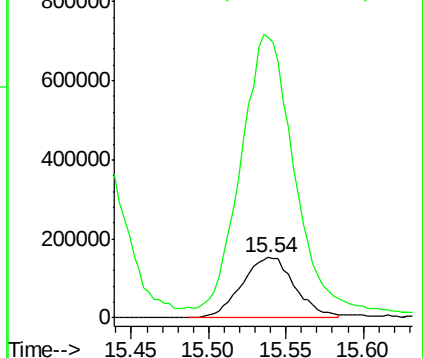
120 100

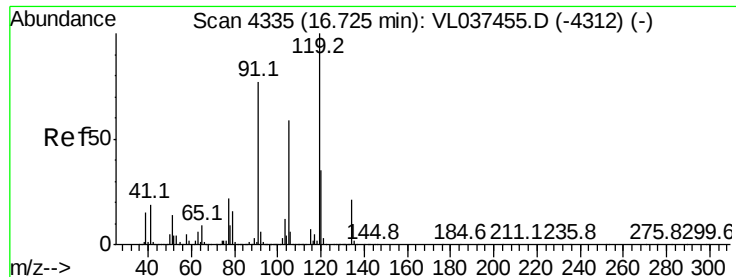
91 503.8 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

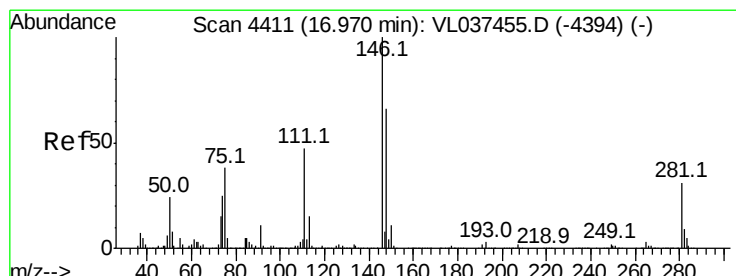
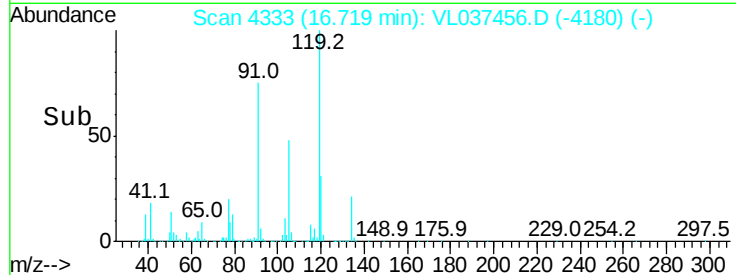
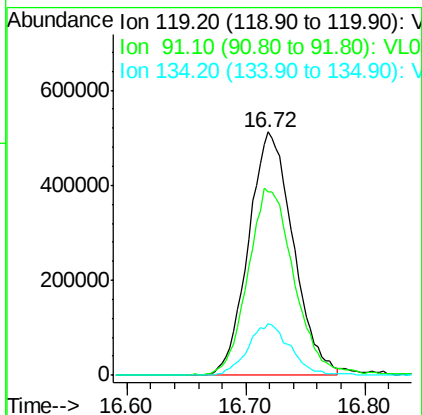
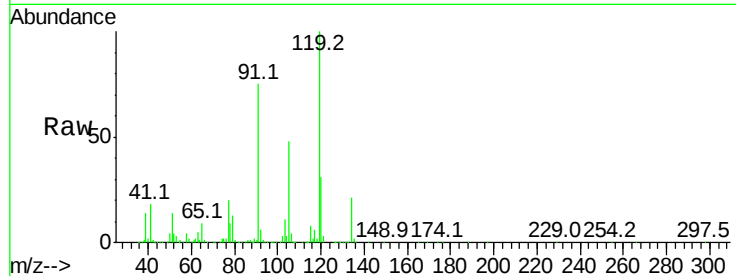




#65
 tert-Butylbenzene
 Concen: 2.193 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T. -0.01 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

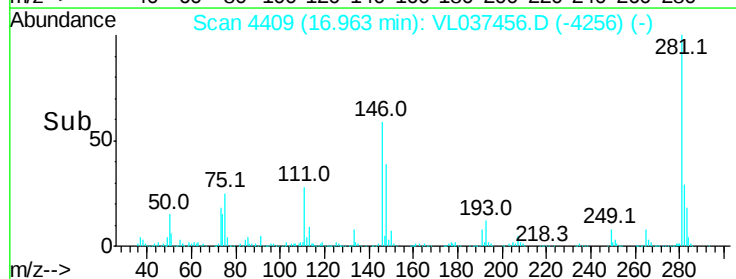
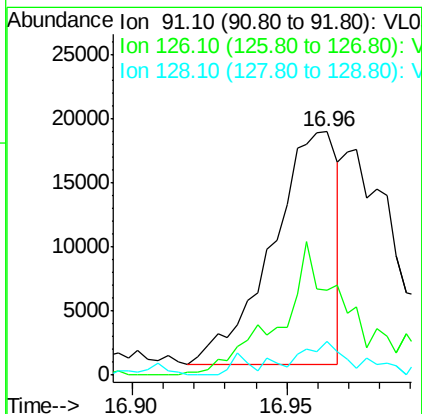
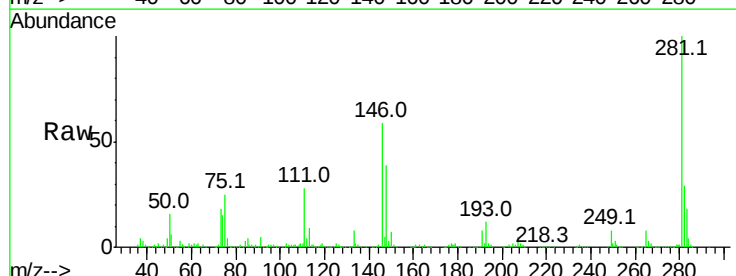
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

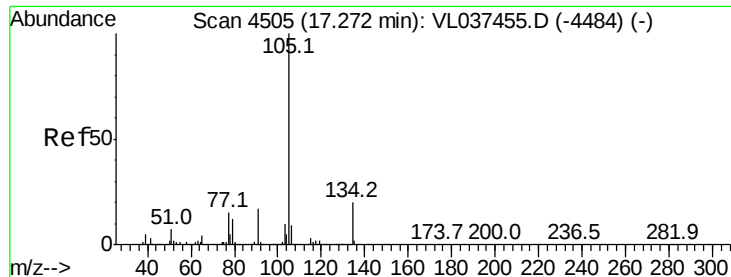
Tgt Ion: 119 Resp: 1329839
 Ion Ratio Lower Upper
 119 100
 91 79.7 62.9 94.3
 134 20.4 16.4 24.6



#66
 Benzyl Chloride
 Concen: 0.950 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion: 91 Resp: 26372
 Ion Ratio Lower Upper
 91 100
 126 71.2 15.9 23.9#
 128 16.0 5.4 8.0#

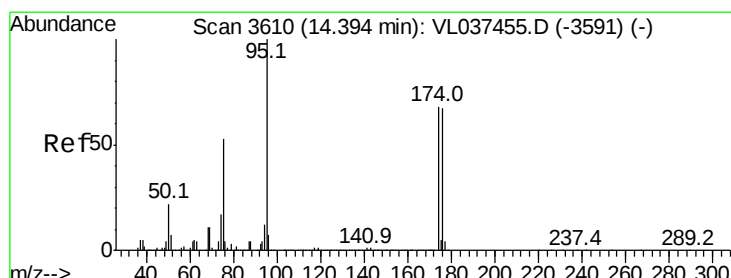
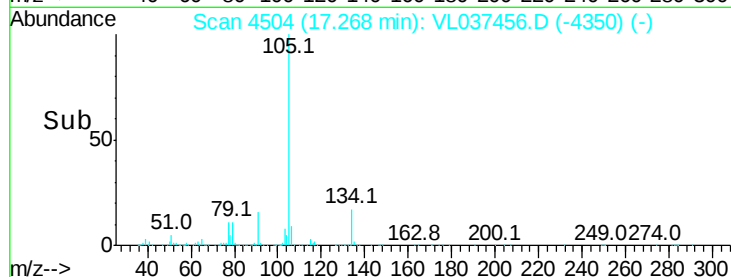
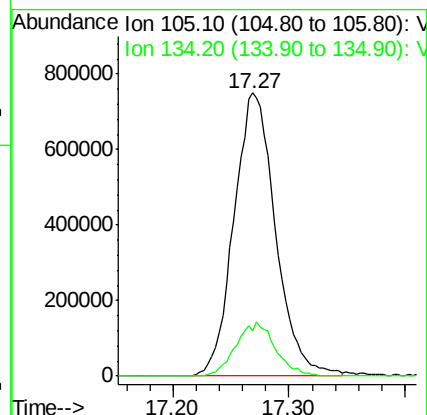
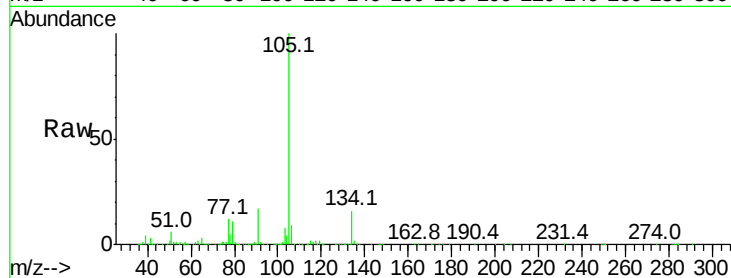




#67
 sec-Butylbenzene
 Concen: 2.254 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

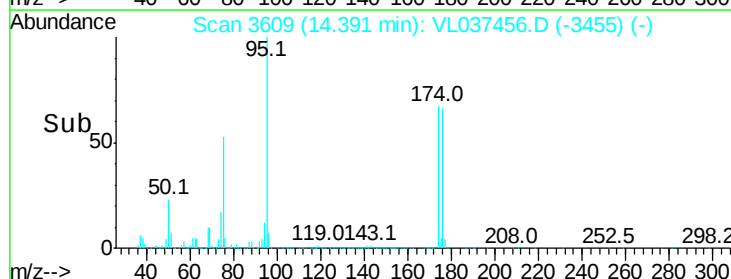
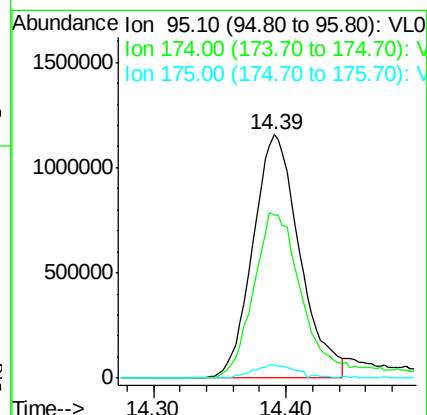
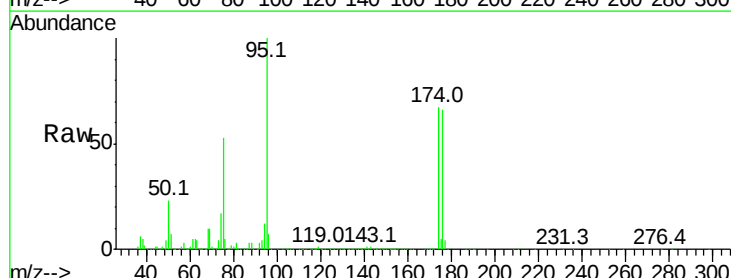
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

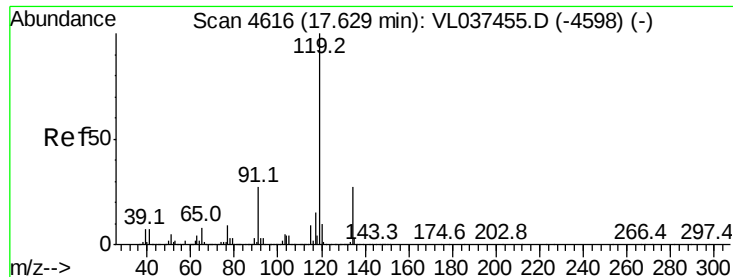
Tgt Ion: 105 Resp: 1859703
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.298 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Tgt Ion: 95 Resp: 2832993
 Ion Ratio Lower Upper
 95 100
 174 77.0 59.6 89.4
 175 5.7 4.6 7.0





#69

p-Isopropyltoluene

Concen: 2.243 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

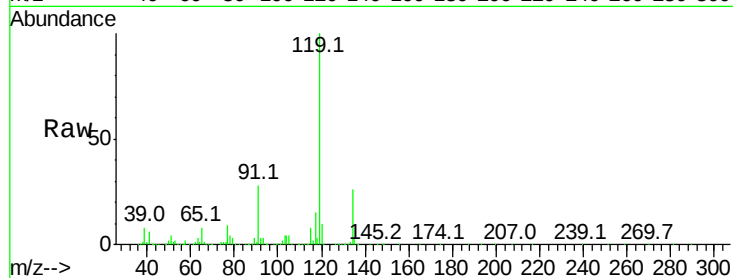
Tgt Ion:119 Resp: 1519277

Ion Ratio Lower Upper

119 100

134 25.6 21.1 31.7

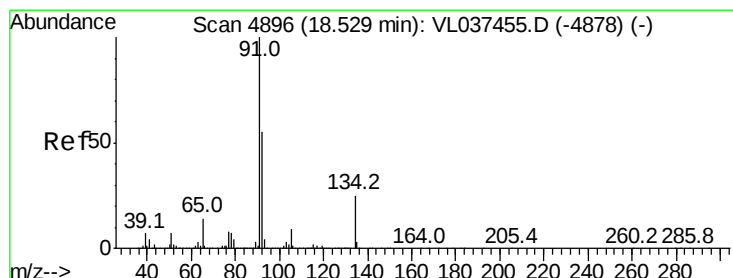
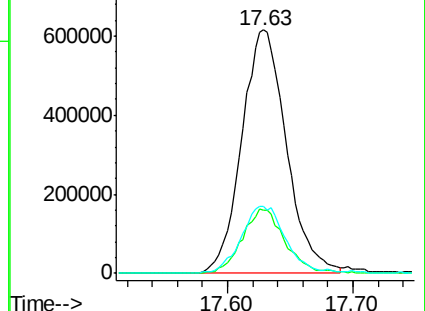
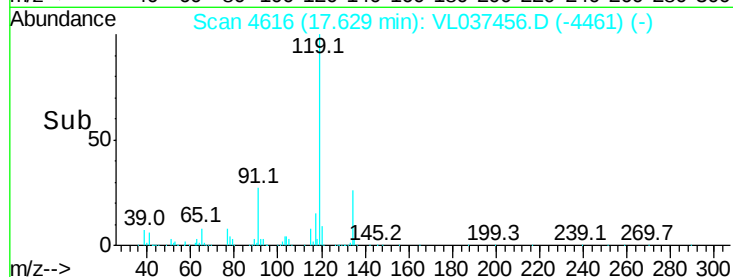
91 27.7 22.4 33.6



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: 2.323 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

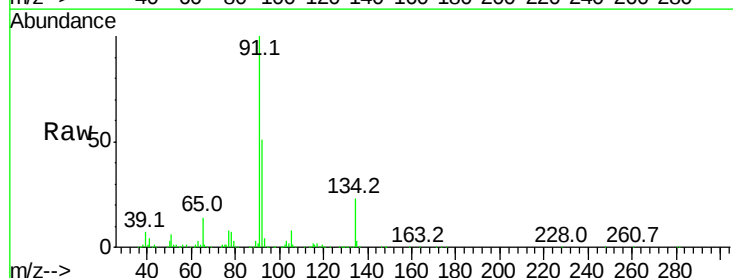
Tgt Ion: 91 Resp: 1462034

Ion Ratio Lower Upper

91 100

92 54.3 44.0 66.0

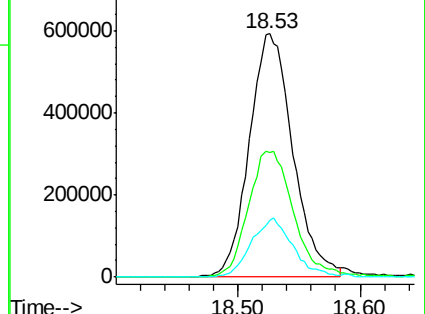
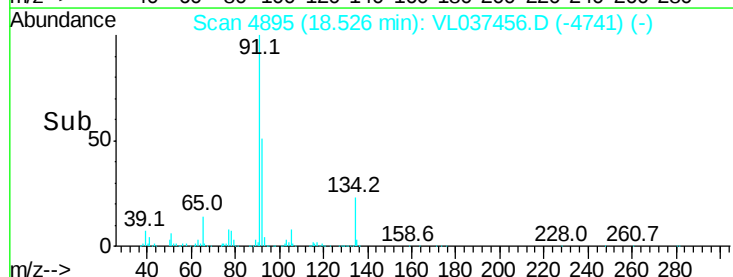
134 23.8 19.5 29.3

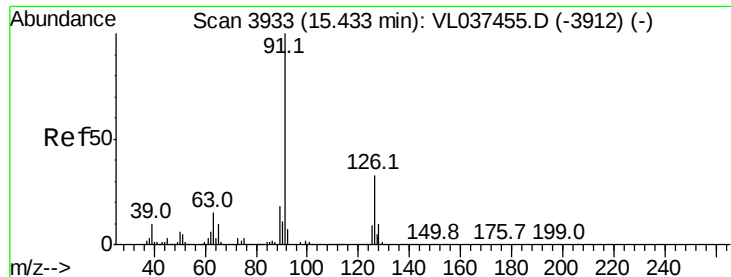


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.215 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

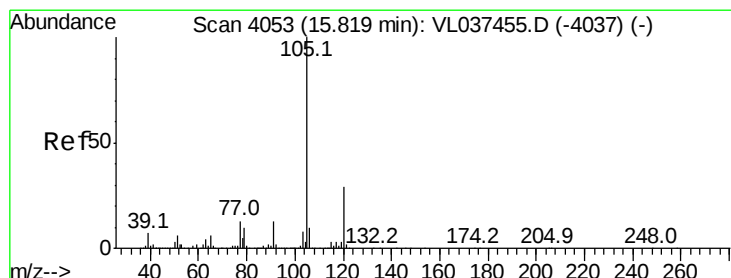
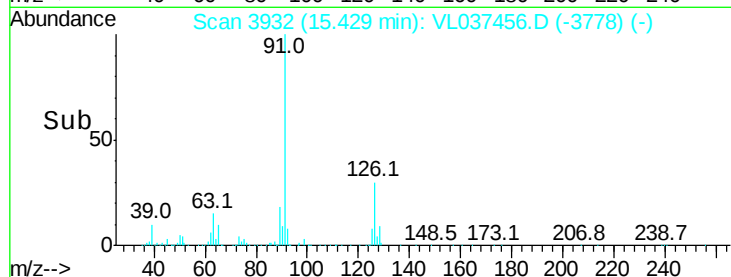
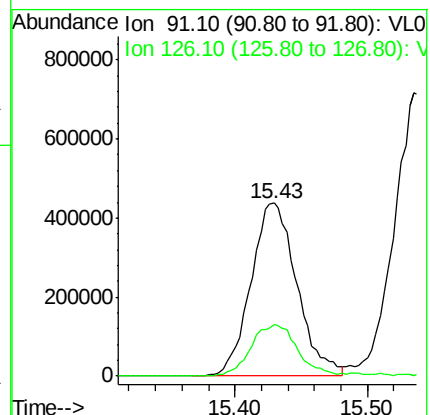
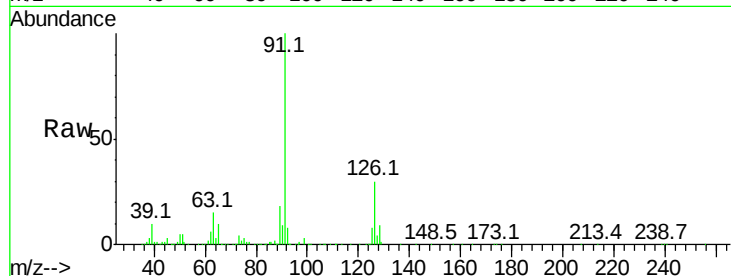
VSTDIC002

Tgt Ion: 91 Resp: 1053623

Ion Ratio Lower Upper

91 100

126 32.6 13.6 54.4



#72

4-Ethyltoluene

Concen: 2.147 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Tgt Ion: 105 Resp: 1172021

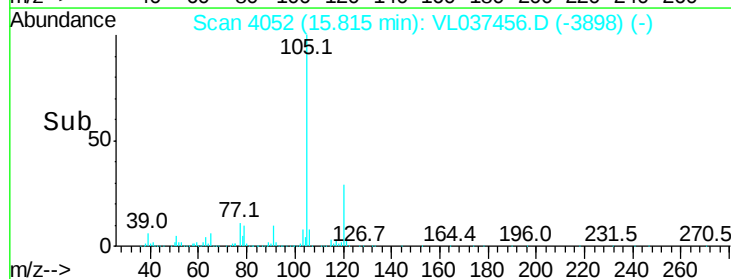
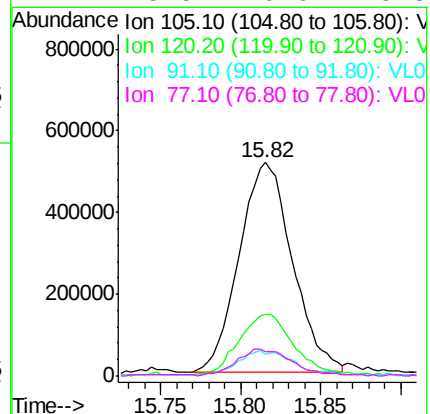
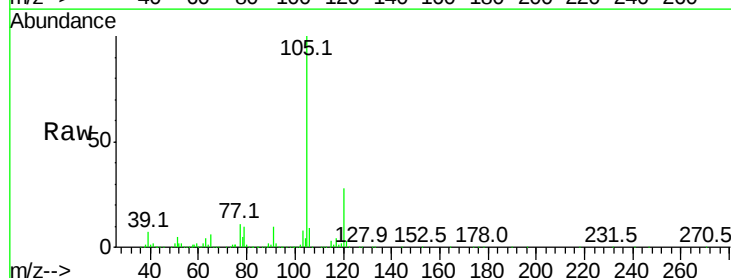
Ion Ratio Lower Upper

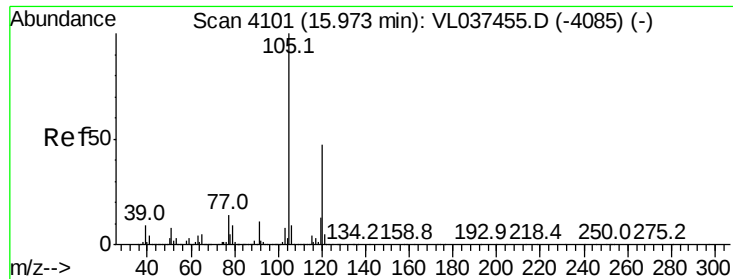
105 100

120 32.3 24.7 37.1

91 12.5 9.8 14.8

77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 2.159 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

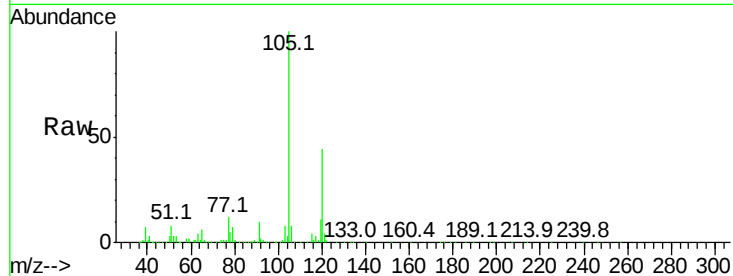
VSTDIC002

Tgt Ion:105 Resp: 1114053

Ion Ratio Lower Upper

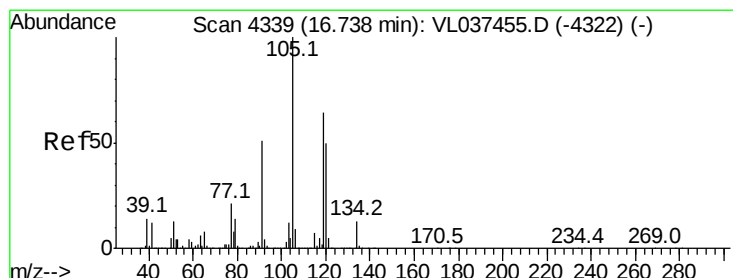
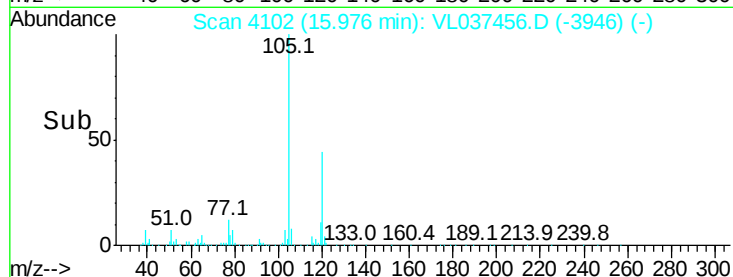
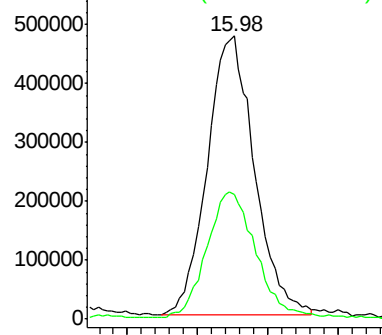
105 100

120 43.9 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.320 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Tgt Ion:105 Resp: 1225415

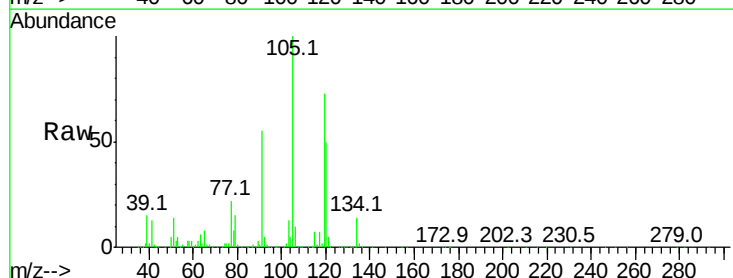
Ion Ratio Lower Upper

105 100

120 49.2 40.4 60.6

91 54.7 44.6 67.0

77 21.1 17.8 26.6

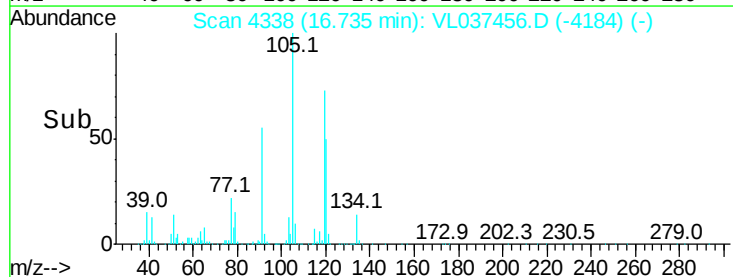
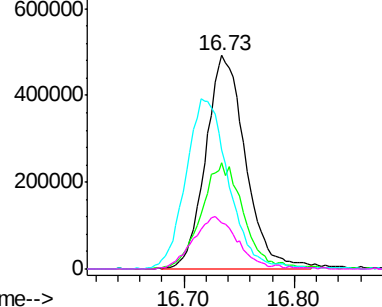


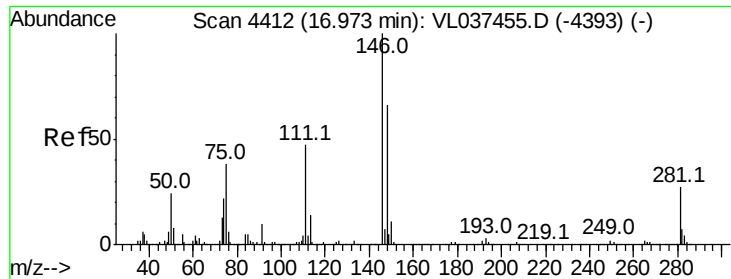
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 2.157 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

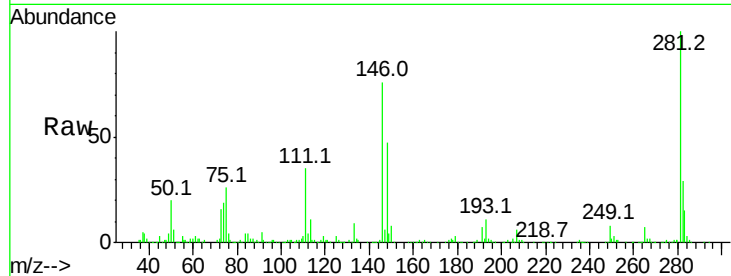
Tgt Ion:146 Resp: 697406

Ion Ratio Lower Upper

146 100

111 48.5 23.4 70.0

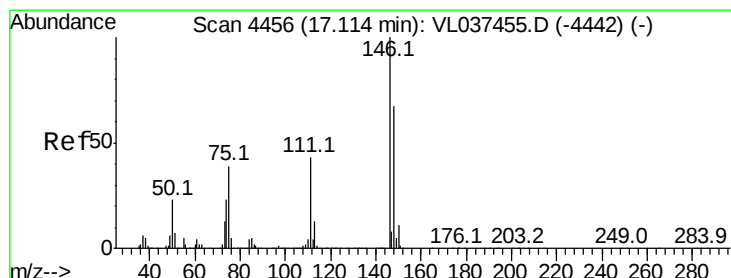
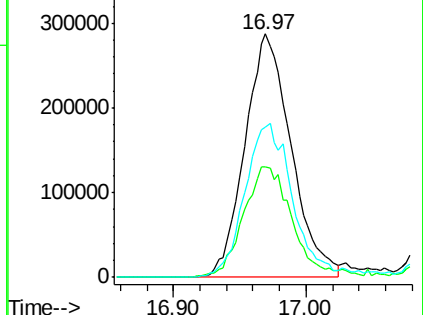
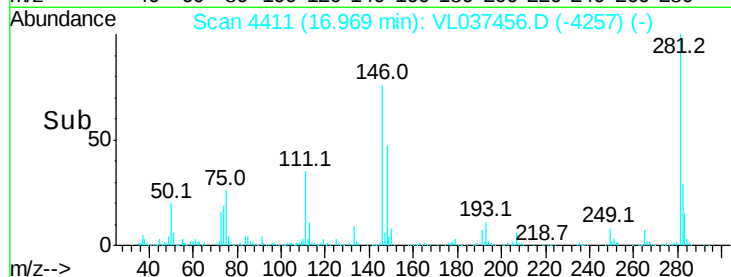
148 66.3 33.1 99.5



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: 2.024 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

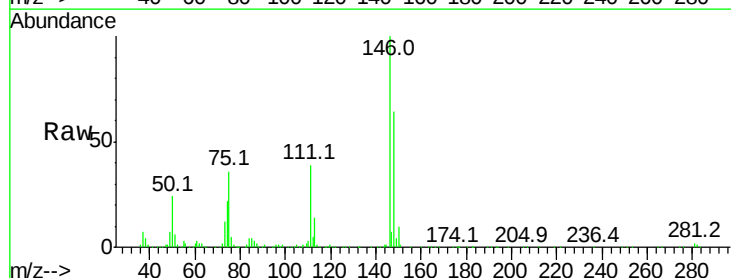
Tgt Ion:146 Resp: 648615

Ion Ratio Lower Upper

146 100

111 49.6 22.1 66.5

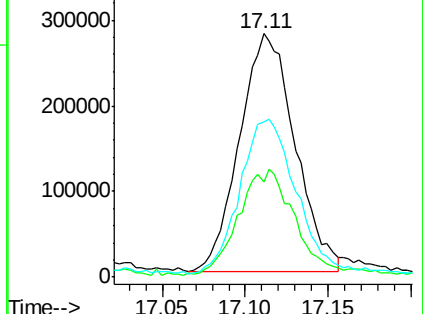
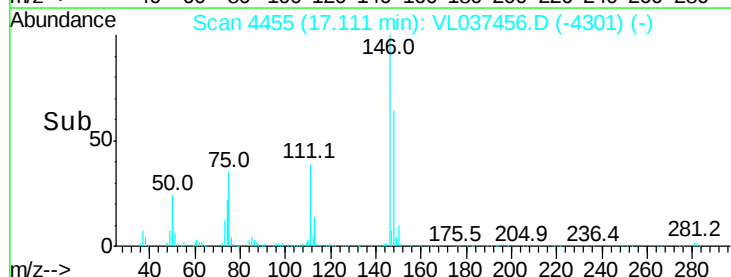
148 71.6 32.4 97.0

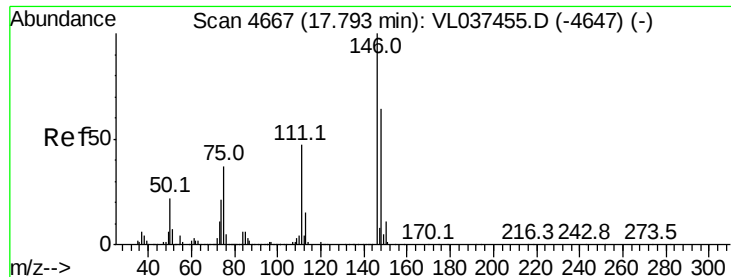


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 2.156 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

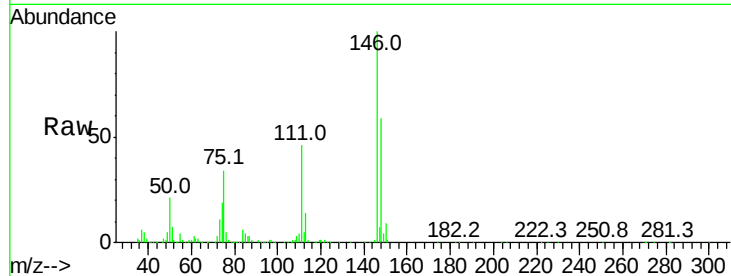
Tgt Ion:146 Resp: 670595

Ion Ratio Lower Upper

146 100

111 50.1 23.4 70.3

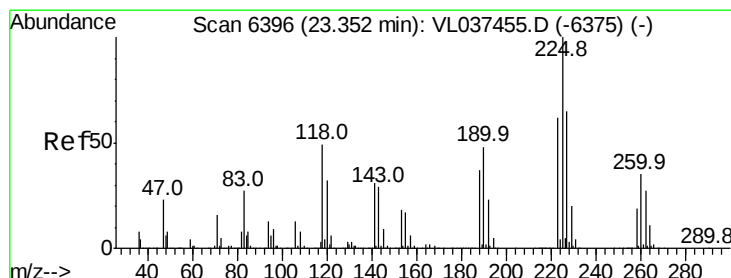
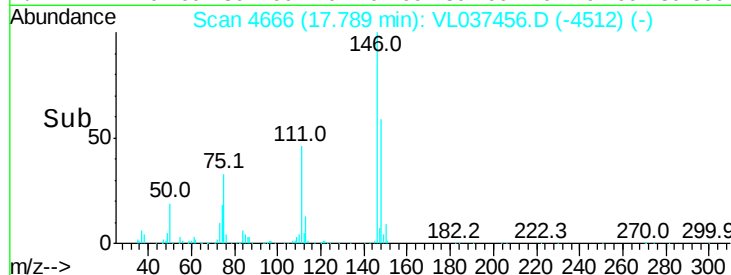
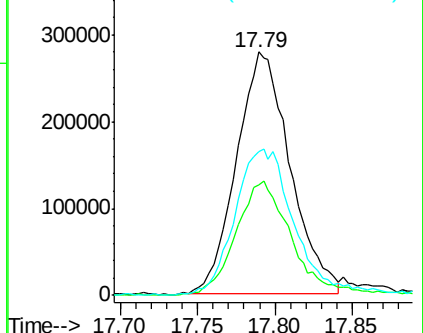
148 67.8 32.5 97.5



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



#78

Hexachloro-1,3-Butadiene

Concen: 2.409 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

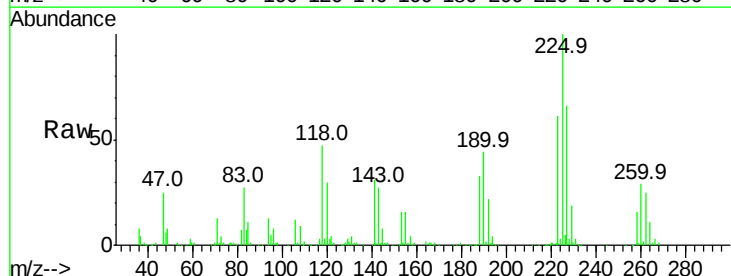
Tgt Ion:225 Resp: 606938

Ion Ratio Lower Upper

225 100

223 63.2 51.4 77.0

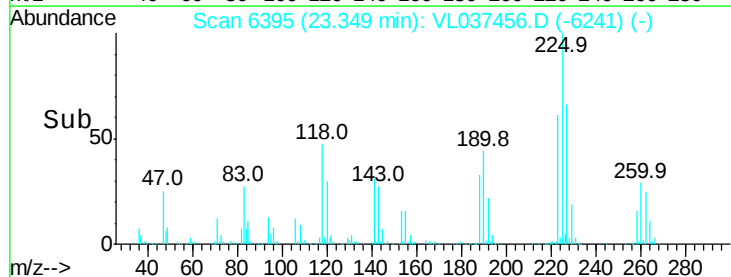
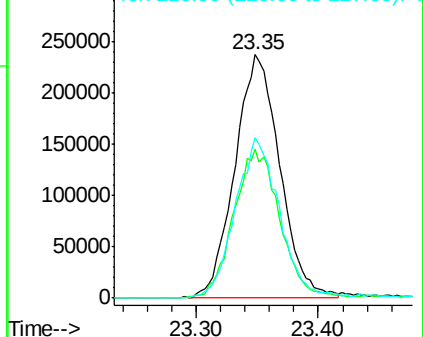
227 64.7 52.9 79.3

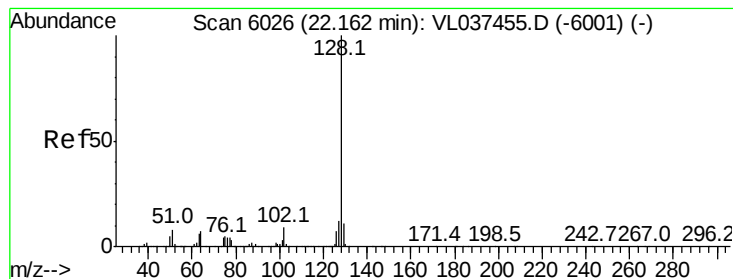


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 1.420 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. 0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

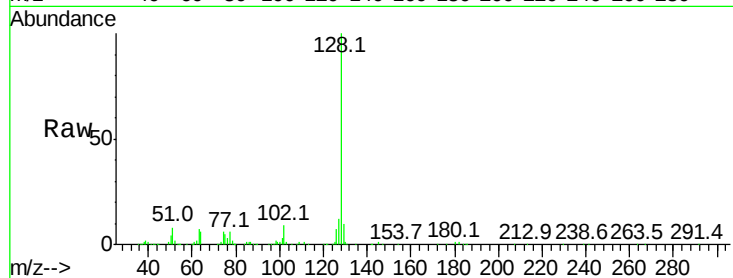
Tgt Ion:128 Resp: 407609

Ion Ratio Lower Upper

128 100

127 10.9 9.4 14.2

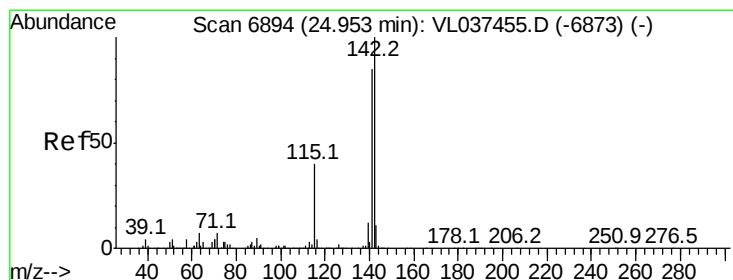
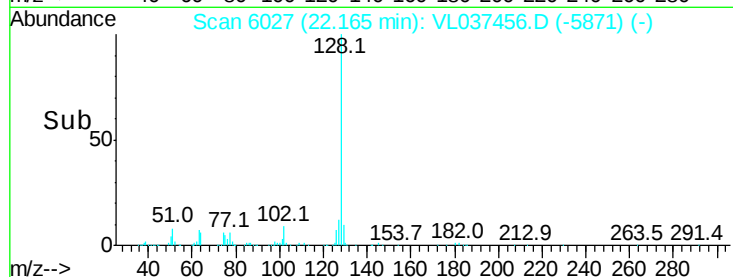
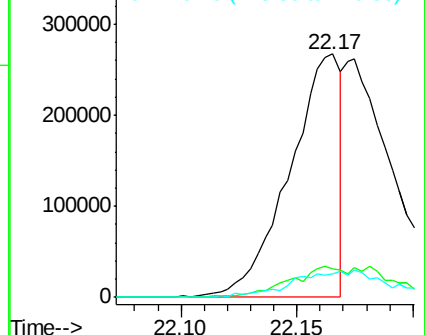
129 9.7 8.8 13.2



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: 3.638 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037456.D

Acq: 16 Aug 2021 11:07

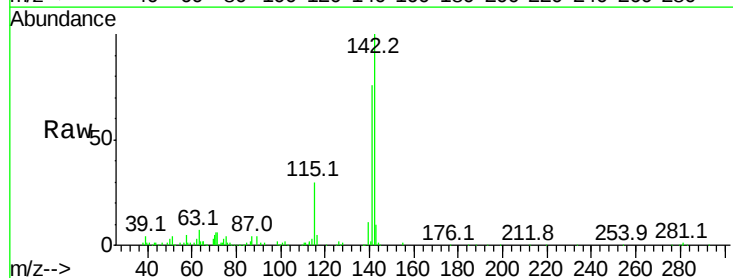
Tgt Ion:142 Resp: 220629

Ion Ratio Lower Upper

142 100

141 85.5 64.7 97.1

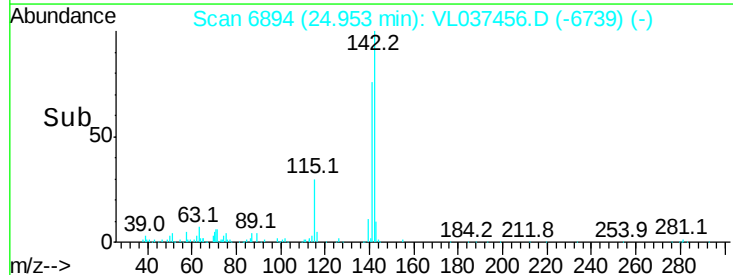
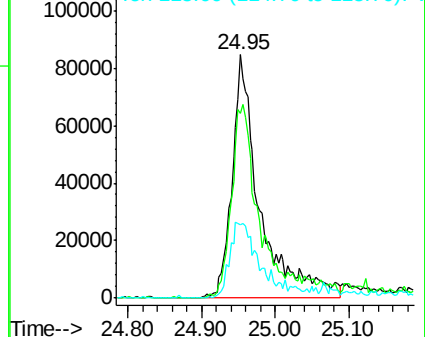
115 35.0 28.4 42.6

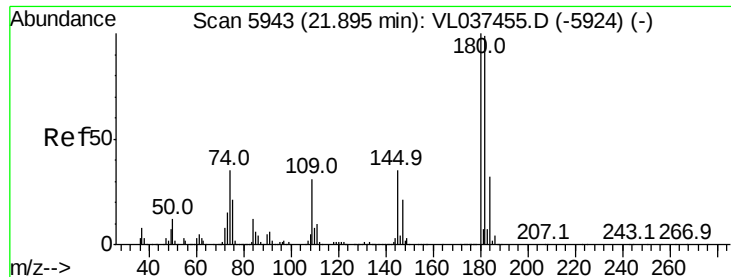


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.602 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.00 min
 Lab File: VL037456.D
 Acq: 16 Aug 2021 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	79.6	119.4
184	30.2	25.4	38.2

