

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037515.D
 Acq On : 3 Sep 2021 10:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 04 04:20:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1489954	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4429417	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4328501	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2879213	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2204064	9.219 ppbv	95
3) Chlorodifluoromethane	2.99	51	2922569	10.244 ppbv	100
4) Chloromethane	3.14	50	1133636	11.119 ppbv	94
5) Vinyl Chloride	3.25	62	1135071	10.867 ppbv	96
6) Bromomethane	3.47	94	605303	10.579 ppbv	100
7) Chloroethane	3.56	64	380606	10.676 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2526461	10.237 ppbv	99
9) Propene	3.01	41	1058361	10.368 ppbv	98
10) Heptane	8.11	43	2646978	11.265 ppbv	99
11) Trichlorofluoromethane	3.95	101	2325659	10.364 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1735907	10.542 ppbv	99
13) Ethanol	3.60	45	112968	11.372 ppbv	83
14) Bromoethene	3.74	108	790387	10.573 ppbv	98
15) Acetone	3.84	43	1403483	9.256 ppbv	100
16) 1,3-Butadiene	3.32	39	1064174	10.941 ppbv	99
17) tert-Butyl alcohol	4.28	59	1586615	11.454 ppbv	99
18) 1,1-Dichloroethene	4.28	96	800259	10.698 ppbv	98
19) Isopropyl Alcohol	3.96	45	971074	11.178 ppbv	# 98
20) Methylene Chloride	4.34	84	676464	8.910 ppbv	97
21) Allyl Chloride	4.41	41	1283285	10.420 ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	808721	10.837 ppbv	99
23) Vinyl Acetate	5.07	43	2212237	9.898 ppbv	100
24) 1,1-Dichloroethane	5.00	63	1562762	9.640 ppbv	99
25) Ethyl Acetate	5.67	43	4055195	10.534 ppbv	99
26) Hexane	5.68	57	1963260	10.431 ppbv	99
27) Carbon Disulfide	4.55	76	1979374	11.801 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1742517	9.640 ppbv	100
29) Chloroform	5.74	83	2783730	10.436 ppbv	100
30) Cyclohexane	7.12	84	1664417	10.614 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1876931	11.019 ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2726237	10.403 ppbv	99
34) 2-Butanone	5.24	43	1871665	10.348 ppbv	95
35) Carbon Tetrachloride	7.01	117	2809417	10.732 ppbv	99
36) Benzene	6.89	78	4098671	11.007 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1972008	10.692 ppbv	99
38) Trichloroethene	7.83	130	1605985	10.512 ppbv	94
39) 1,2-Dichloropropane	7.60	63	1528432	10.682 ppbv	98
40) 1,4-Dioxane	7.83	88	381447	10.882 ppbv	# 100
41) Tetrahydrofuran	6.04	42	1009544	11.586 ppbv	98
42) Bromodichloromethane	7.78	83	3006416	11.147 ppbv	97
43) Methyl Methacrylate	8.01	69	1483971	11.435 ppbv	99

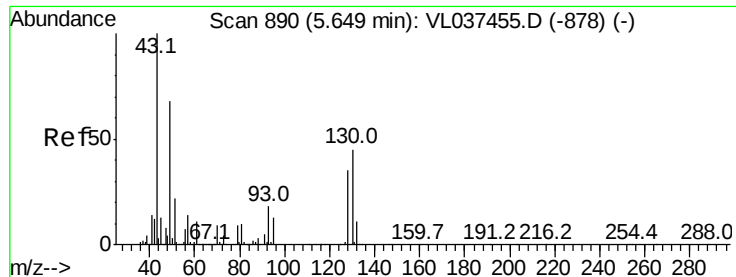
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037515.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6737793	10.752	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1396826	14.297	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1765276	12.953	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1681208	10.874	ppbv	98
48) Dibromochloromethane	10.29	129	2669575	11.999	ppbv	99
49) Bromoform	13.03	173	1084746	6.185	ppbv #	30
50) 4-Methyl-2-Pentanone	8.73	43	2760398	11.698	ppbv	100
51) 2-Hexanone	10.13	43	1354368	12.478	ppbv #	99
52) Tetrachloroethene	11.22	164	1509885	9.895	ppbv	96
53) Toluene	9.80	91	4806436	11.305	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2399709	11.119	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1806560	10.016	ppbv	95
57) Chlorobenzene	12.14	112	3456091	9.621	ppbv	99
58) Ethyl Benzene	12.70	91	6016758	10.017	ppbv	100
59) m/p-Xylene	12.99	91	5524951	10.610	ppbv #	40
60) o-Xylene	13.68	91	4712503	9.696	ppbv	99
61) Styrene	13.52	104	2787857	11.042	ppbv	98
62) Isopropylbenzene	14.65	105	6739813	9.826	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3492570	9.669	ppbv	98
64) n-propylbenzene	15.55	120	1797106	10.295	ppbv	98
65) tert-Butylbenzene	16.73	119	6051908	9.687	ppbv	98
66) Benzyl Chloride	16.98	91	423667	14.992	ppbv	100
67) sec-Butylbenzene	17.28	105	8369518	9.588	ppbv	99
69) p-Isopropyltoluene	17.64	119	7088482	9.965	ppbv	100
70) n-Butylbenzene	18.54	91	6957958	10.236	ppbv	99
71) 2-Chlorotoluene	15.44	91	4983395	9.907	ppbv	100
72) 4-Ethyltoluene	15.83	105	5700779	9.861	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	5213987	9.689	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	5504712	9.626	ppbv	92
75) 1,3-Dichlorobenzene	16.98	146	3454249	10.036	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3371618	9.724	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3355028	9.899	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2548072	9.042	ppbv	100
79) Naphthalene	22.18	128	4434672	11.589	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1382543	12.968	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	2661364	11.083	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

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VSTDCCC010

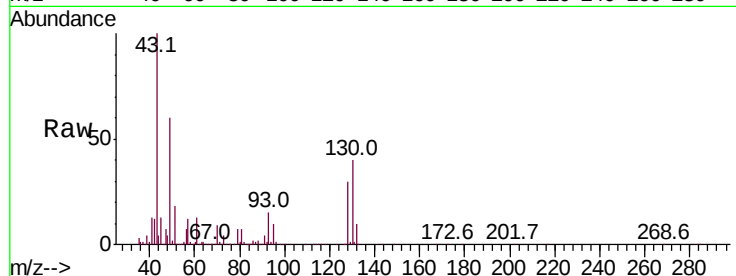
Tot Ion: 49 Resp: 1489954

Ion Ratio Lower Upper

49 100

128 55.6 27.5 82.4

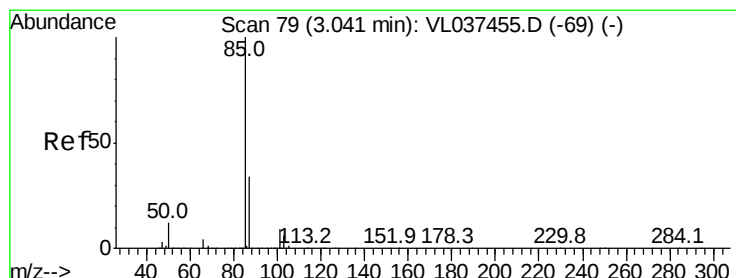
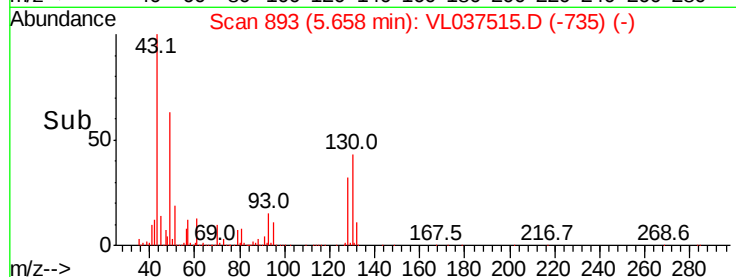
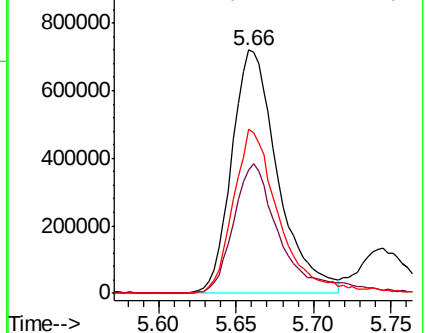
130 68.4 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.219 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037515.D

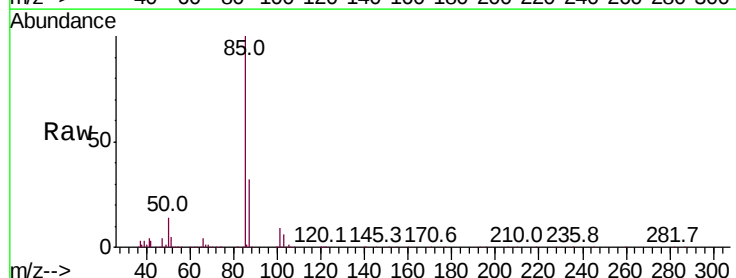
Acq: 3 Sep 2021 10:23

Tgt Ion: 85 Resp: 2204064

Ion Ratio Lower Upper

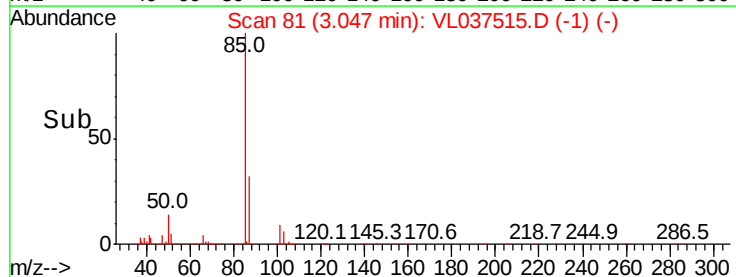
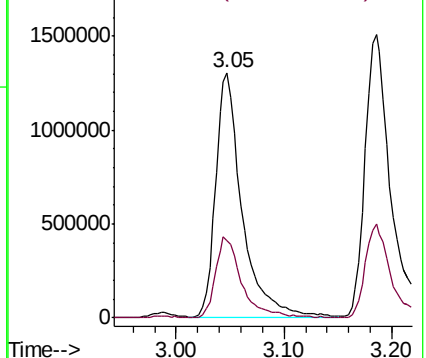
85 100

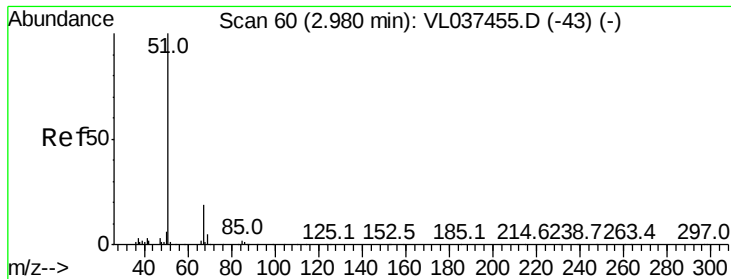
87 31.6 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.244 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

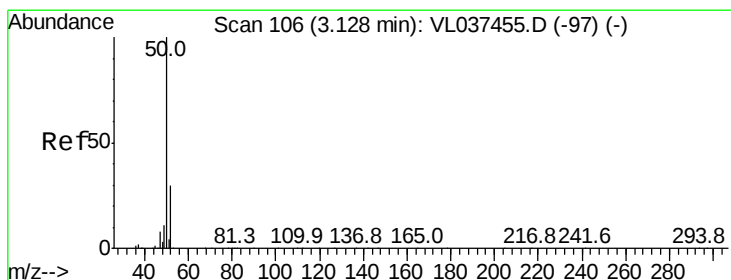
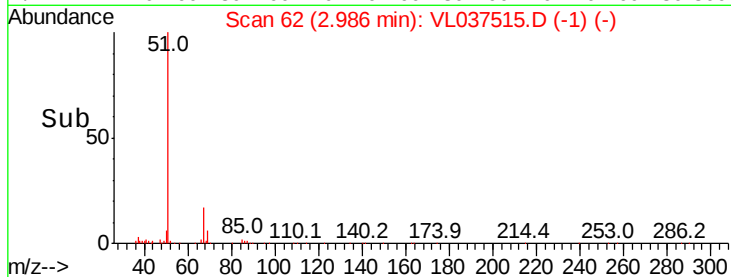
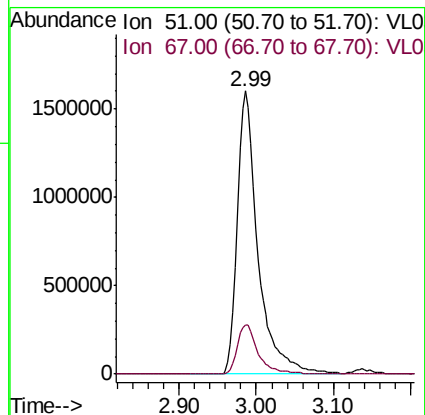
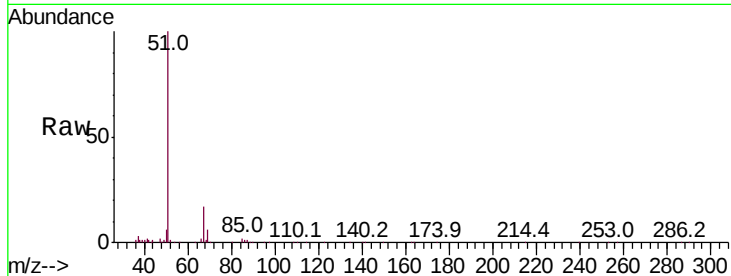
VSTDCCC010

Tot Ion: 51 Resp: 2922569

Ion Ratio Lower Upper

51 100

67 17.7 14.2 21.2



#4

Chloromethane

Concen: 11.119 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037515.D

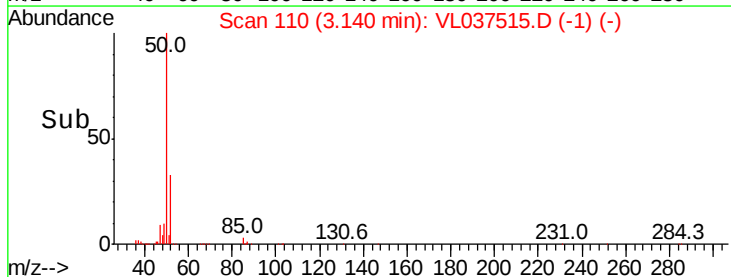
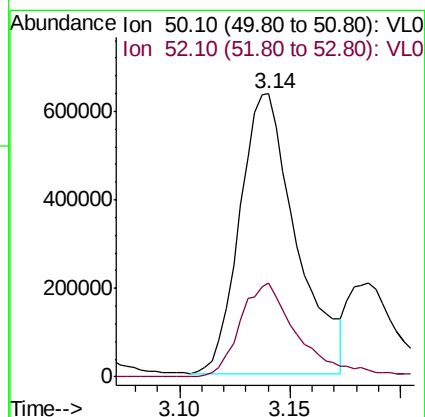
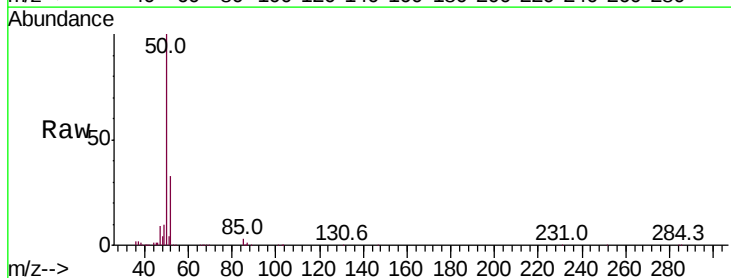
Acq: 3 Sep 2021 10:23

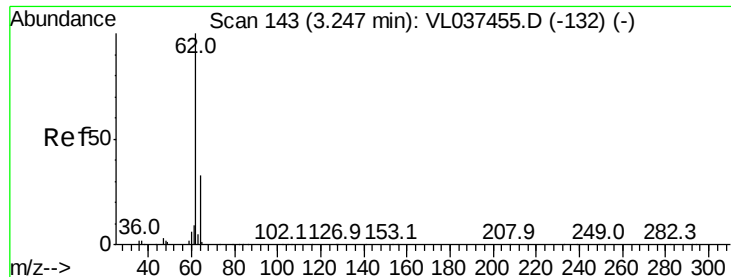
Tgt Ion: 50 Resp: 1133636

Ion Ratio Lower Upper

50 100

52 33.3 24.0 36.0





#5

Vinyl Chloride

Concen: 10.867 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

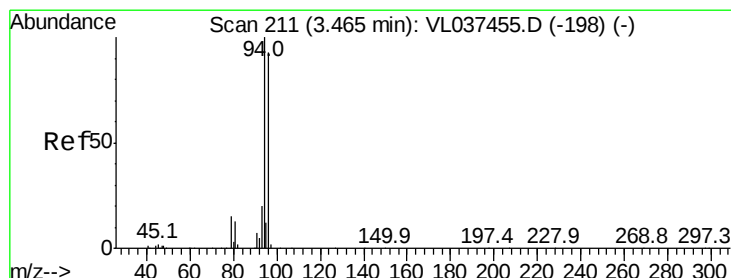
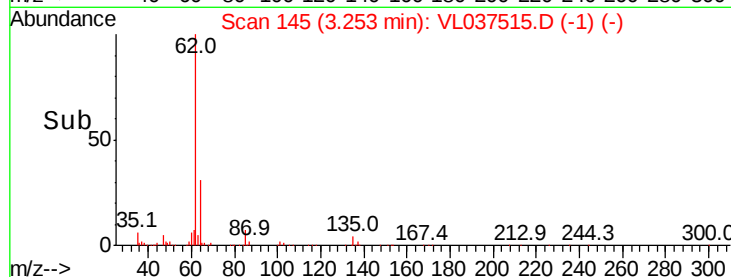
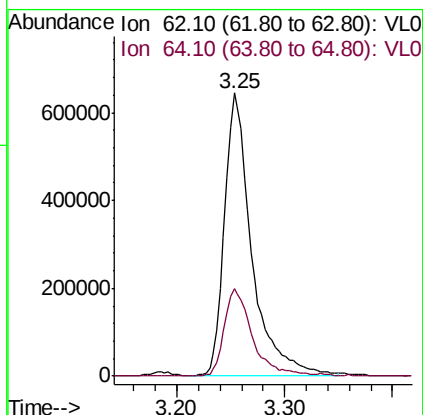
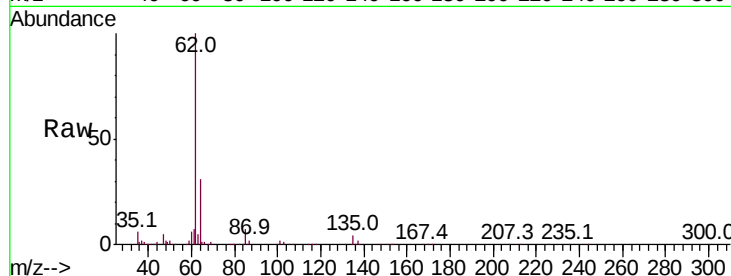
VSTDCCC010

Tot Ion: 62 Resp: 1135071

Ion Ratio Lower Upper

62 100

64 31.0 26.5 39.7



#6

Bromomethane

Concen: 10.579 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037515.D

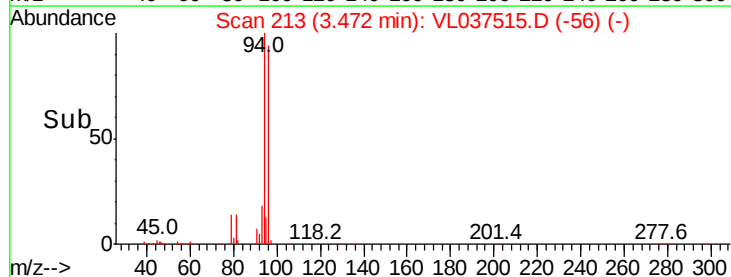
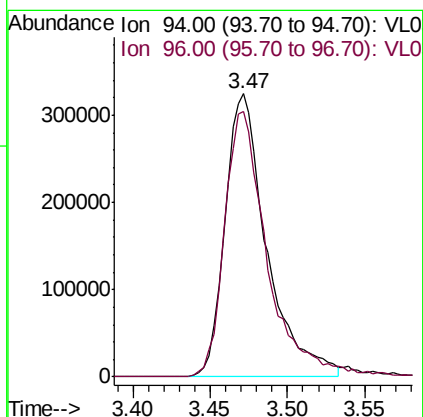
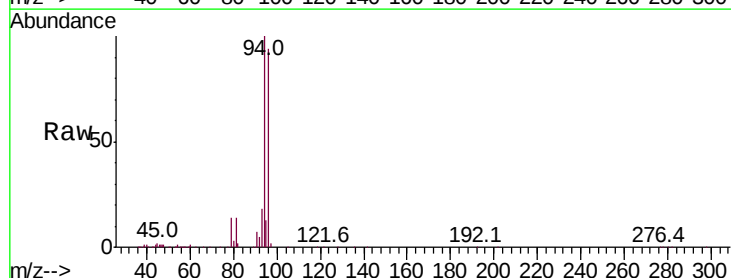
Acq: 3 Sep 2021 10:23

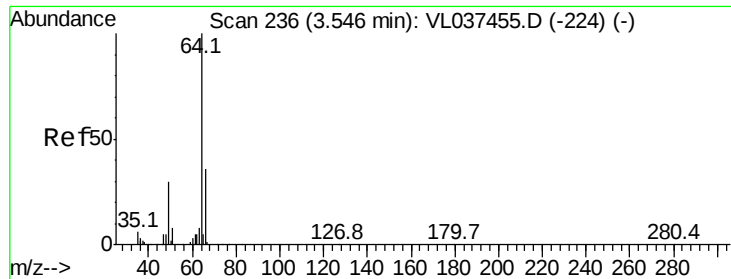
Tgt Ion: 94 Resp: 605303

Ion Ratio Lower Upper

94 100

96 93.3 74.5 111.7





#7

Chloroethane

Concen: 10.676 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

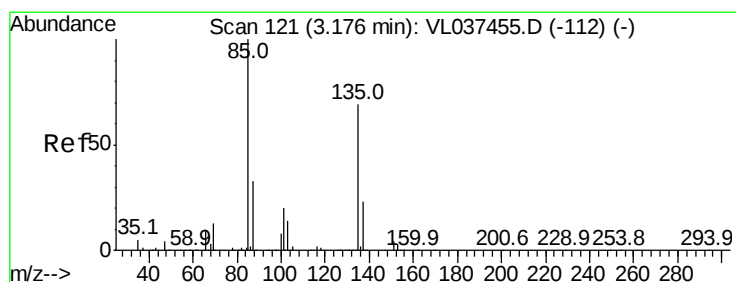
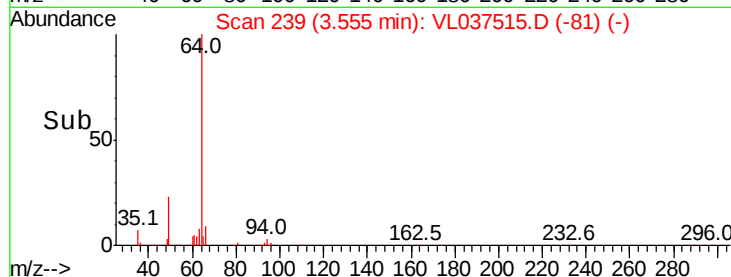
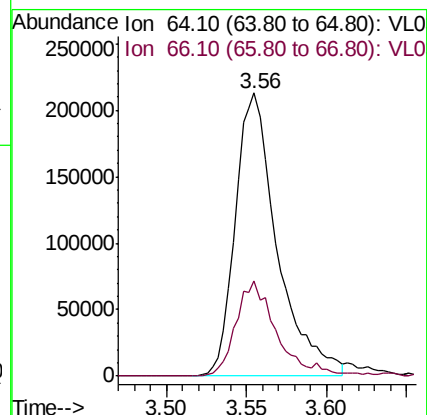
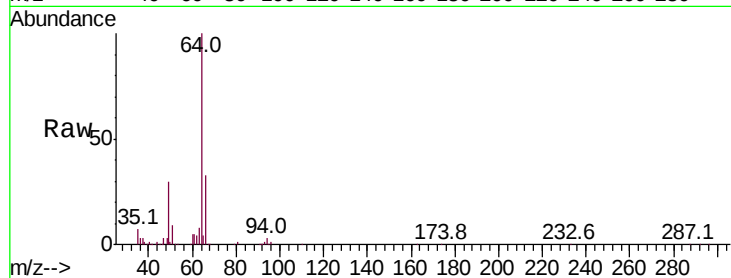
VSTDCCC010

Tot Ion: 64 Resp: 380606

Ion Ratio Lower Upper

64 100

66 33.5 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 10.237 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037515.D

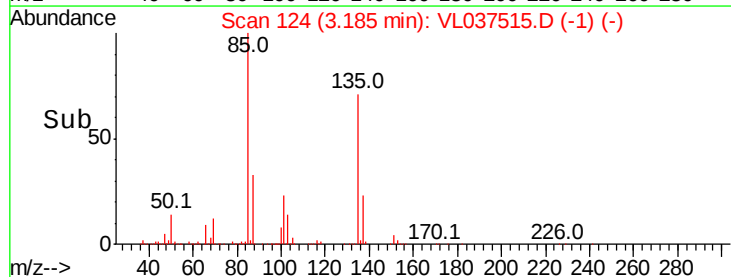
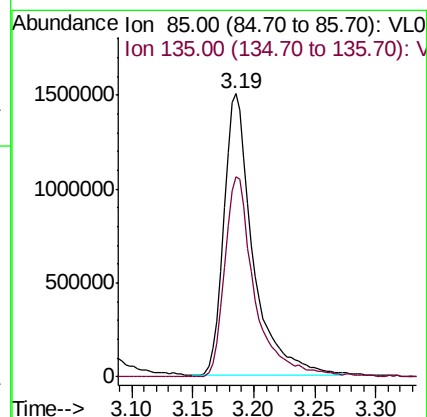
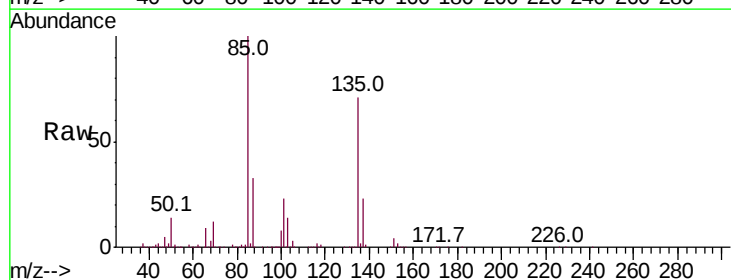
Acq: 3 Sep 2021 10:23

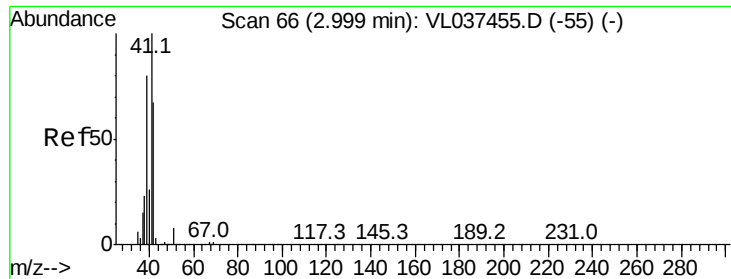
Tgt Ion: 85 Resp: 2526461

Ion Ratio Lower Upper

85 100

135 74.0 58.8 88.2





#9

Propene

Concen: 10.368 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

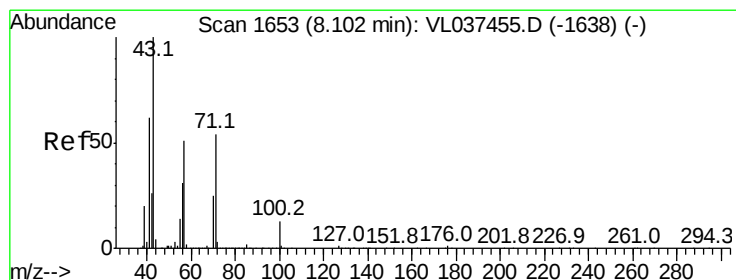
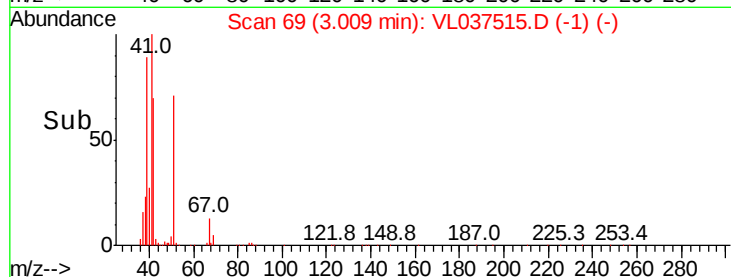
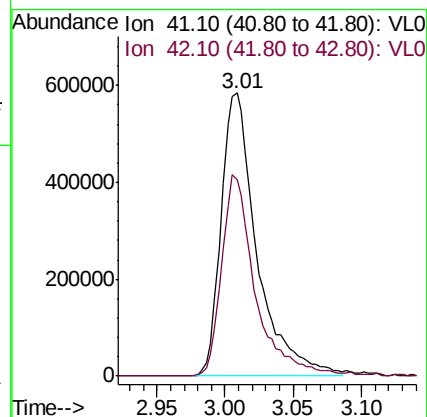
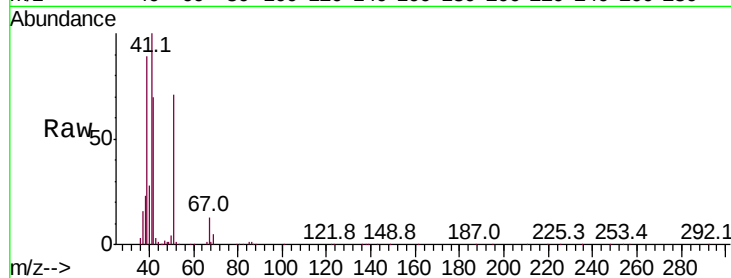
VSTDCCC010

Tot Ion: 41 Resp: 1058361

Ion Ratio Lower Upper

41 100

42 68.5 53.7 80.5



#10

Heptane

Concen: 11.265 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL037515.D

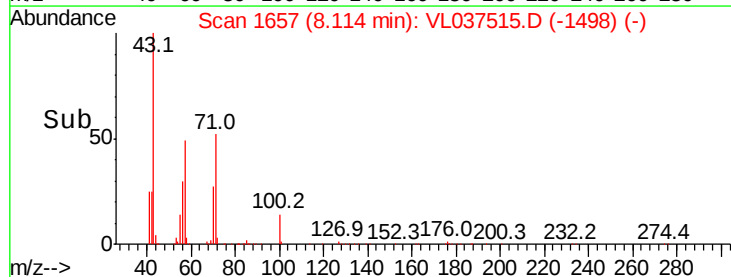
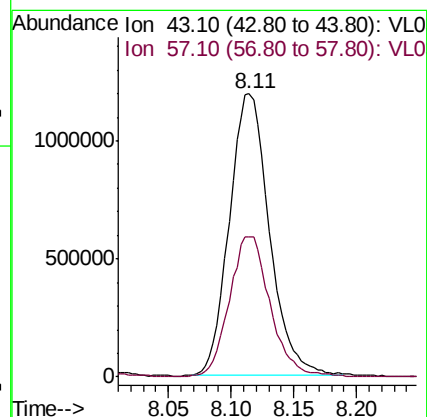
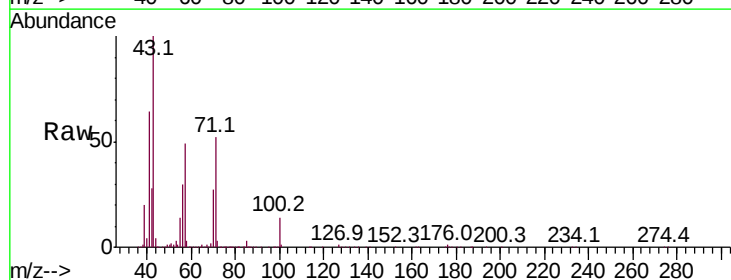
Acq: 3 Sep 2021 10:23

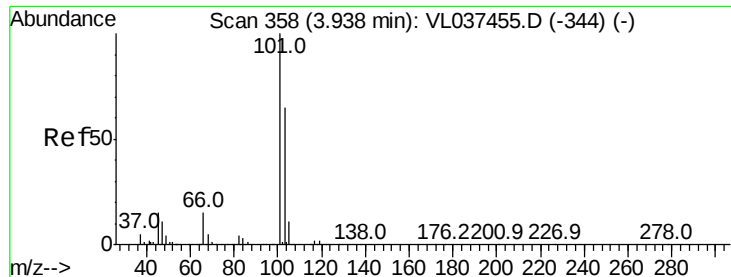
Tgt Ion: 43 Resp: 2646978

Ion Ratio Lower Upper

43 100

57 50.8 41.0 61.6

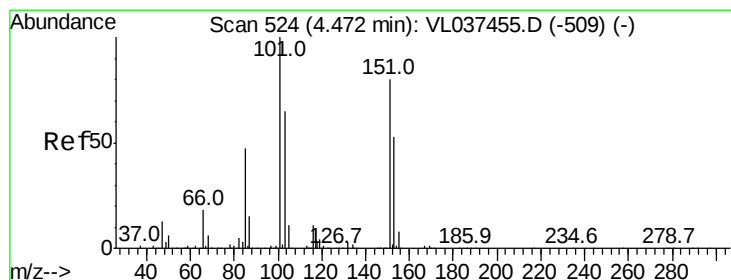
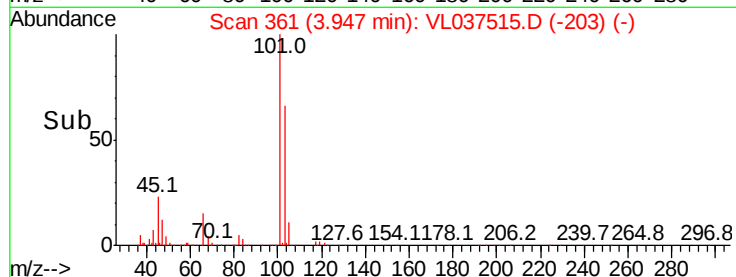
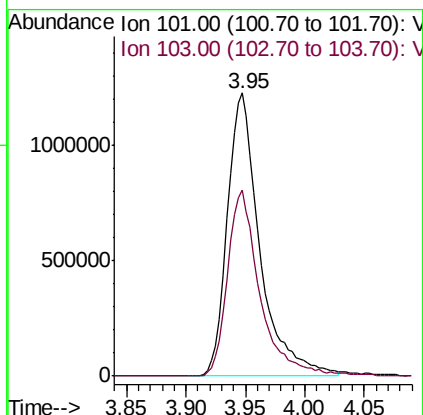
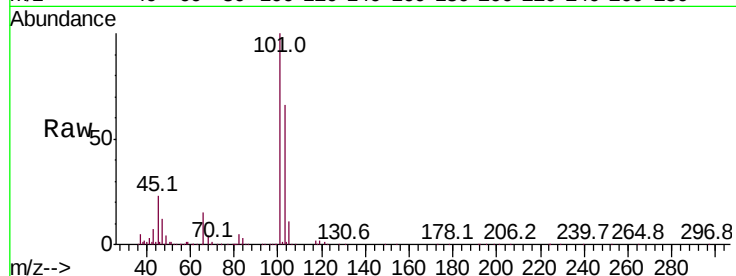




#11
 Trichlorofluoromethane
 Concen: 10.364 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

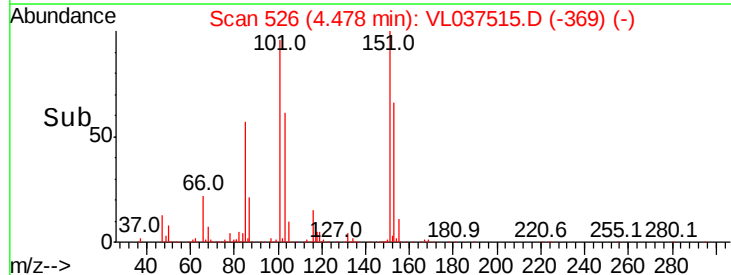
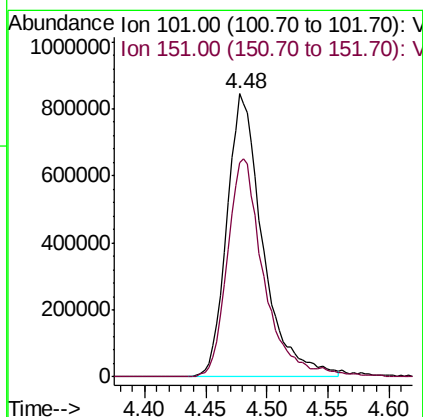
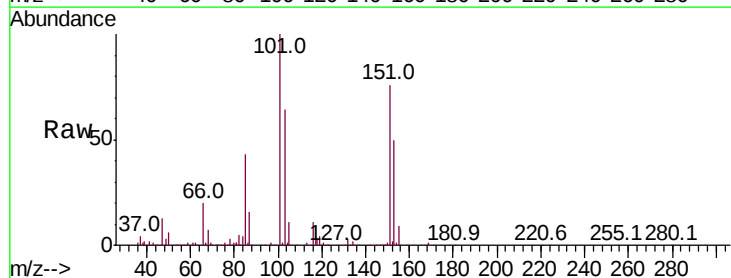
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

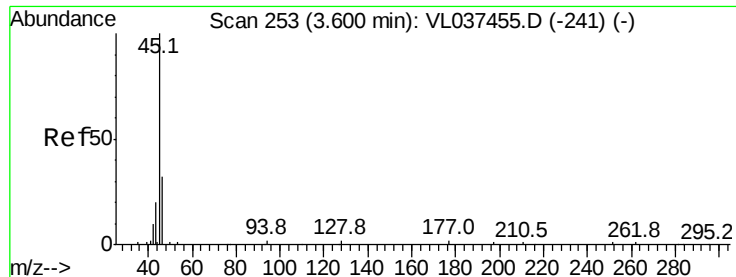
Tot Ion:101 Resp: 2325659
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.542 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Tgt Ion:101 Resp: 1735907
 Ion Ratio Lower Upper
 101 100
 151 79.1 63.7 95.5





#13

Ethanol

Concen: 11.372 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

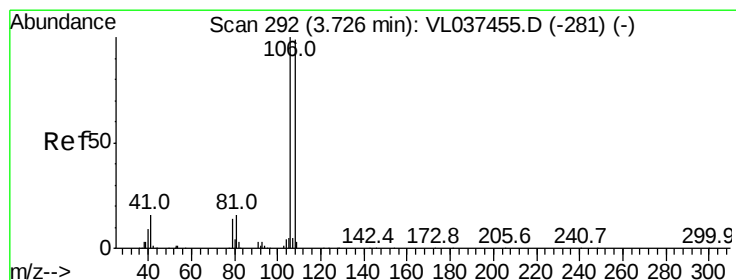
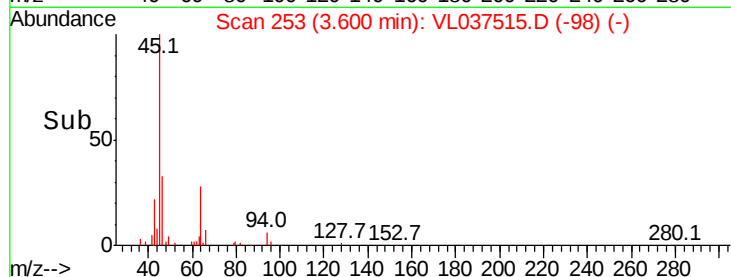
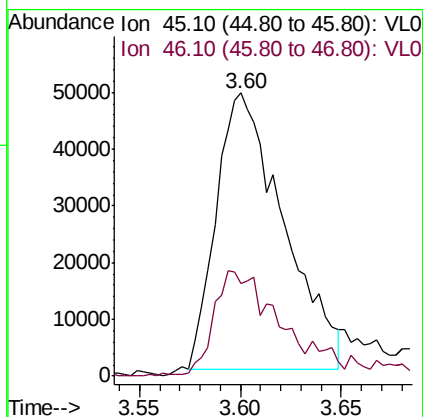
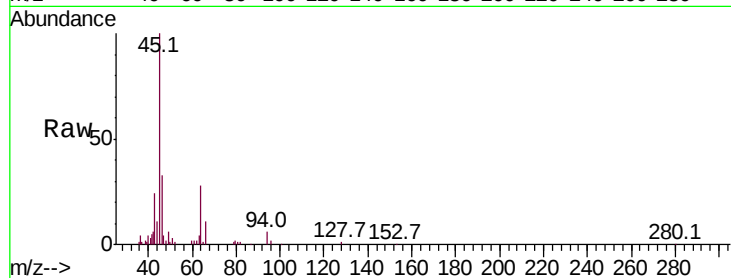
VSTDCCC010

Tot Ion: 45 Resp: 112968

Ion Ratio Lower Upper

45 100

46 45.4 14.1 56.5



#14

Bromoethene

Concen: 10.573 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

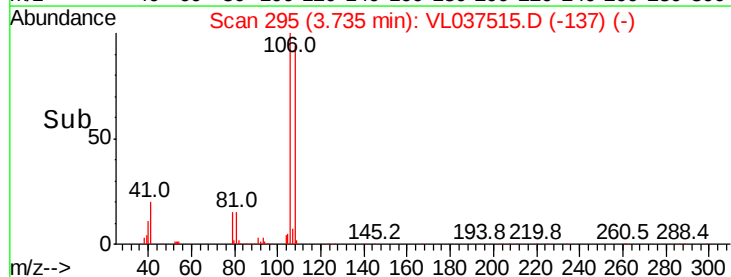
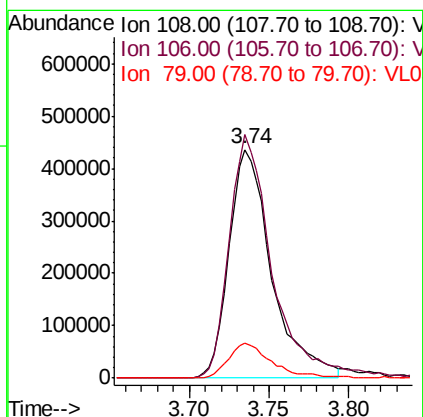
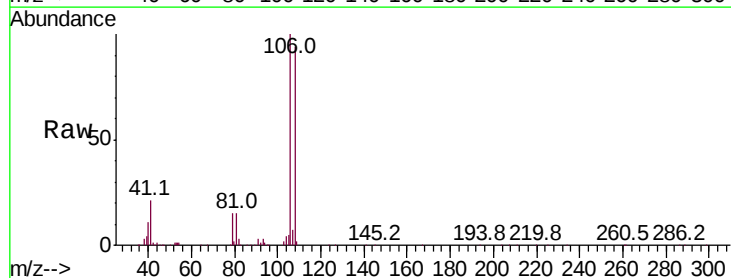
Tgt Ion: 108 Resp: 790387

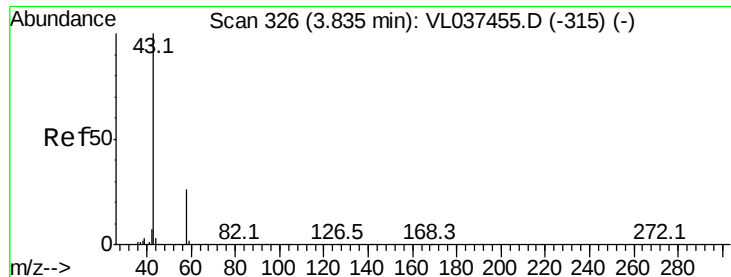
Ion Ratio Lower Upper

108 100

106 109.6 85.8 128.8

79 16.3 12.6 18.8





#15

Acetone

Concen: 9.256 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

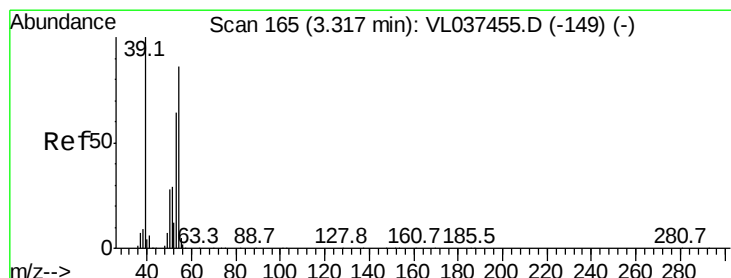
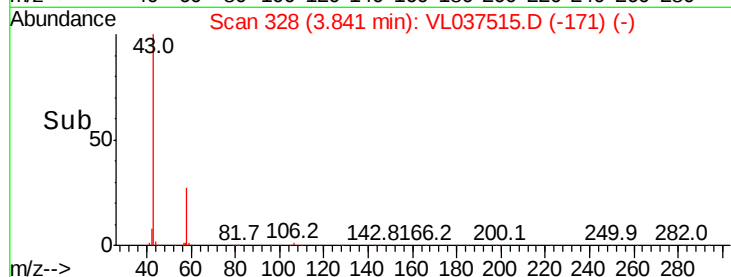
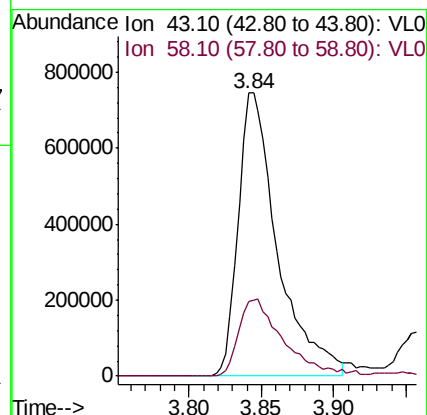
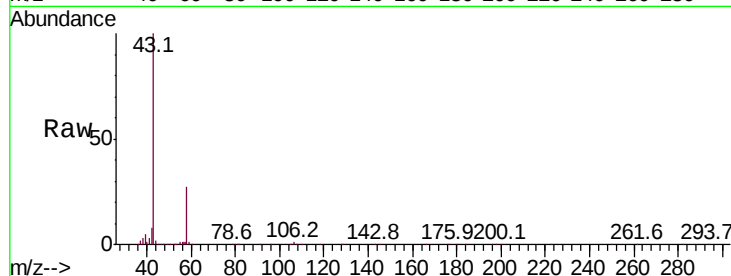
VSTDCCC010

Tot Ion: 43 Resp: 1403483

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2



#16

1,3-Butadiene

Concen: 10.941 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL037515.D

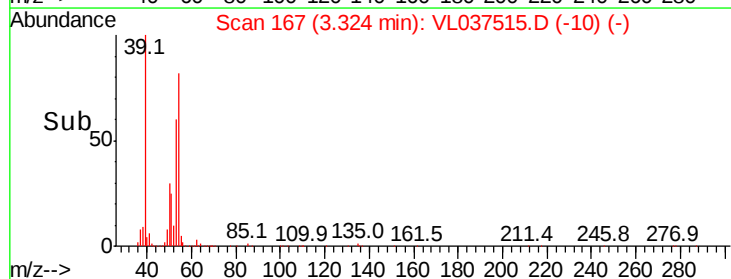
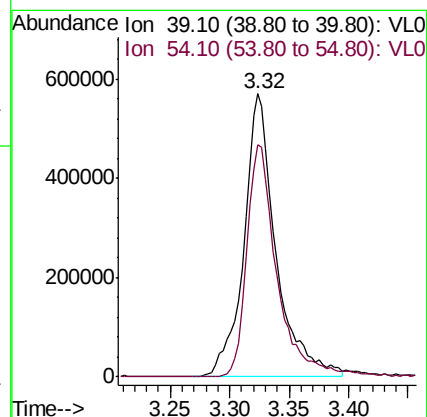
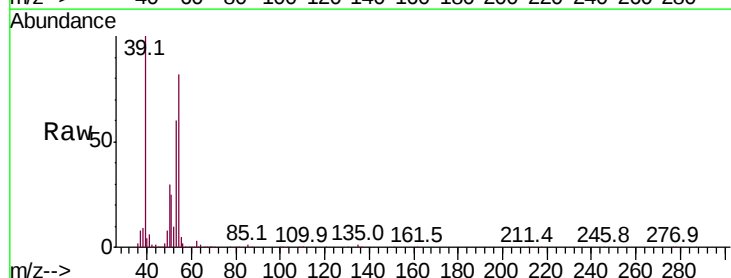
Acq: 3 Sep 2021 10:23

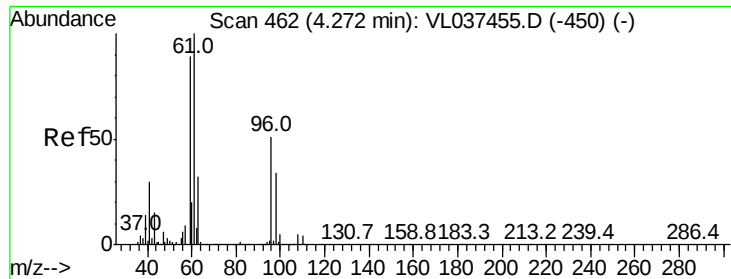
Tgt Ion: 39 Resp: 1064174

Ion Ratio Lower Upper

39 100

54 78.3 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.454 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

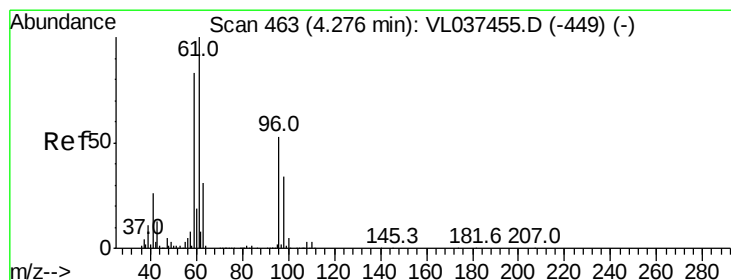
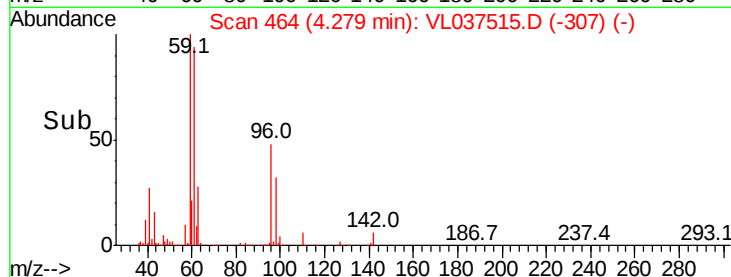
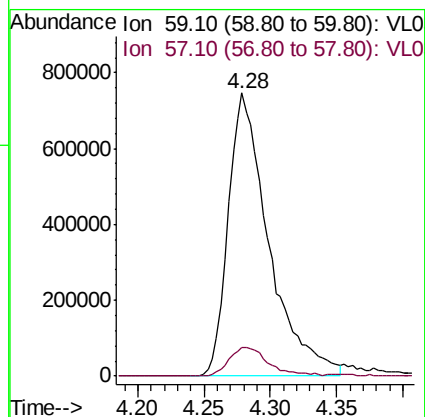
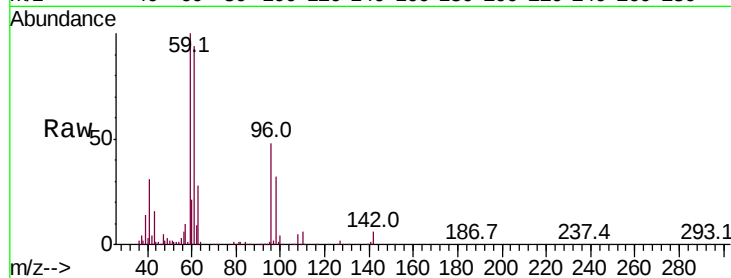
VSTDCCC010

Tot Ion: 59 Resp: 1586615

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.698 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

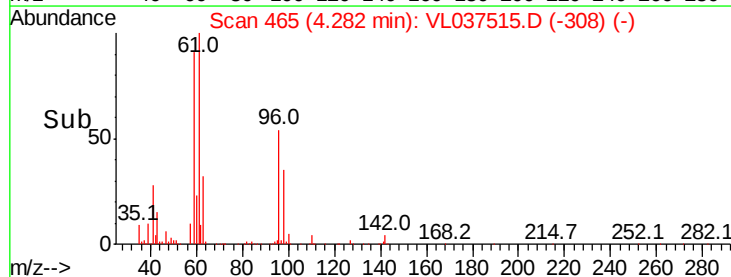
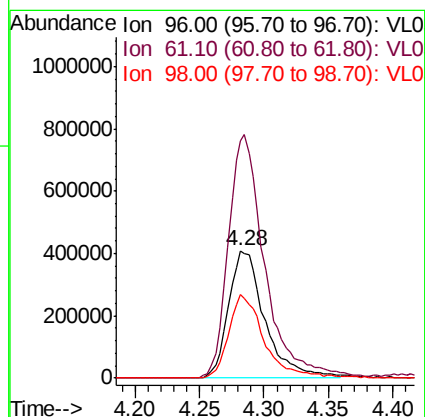
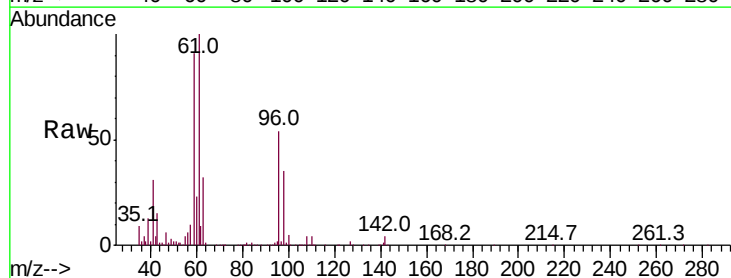
Tgt Ion: 96 Resp: 800259

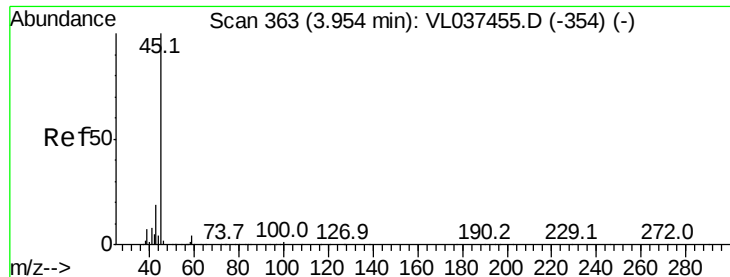
Ion Ratio Lower Upper

96 100

61 185.8 151.1 226.7

98 65.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 11.178 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

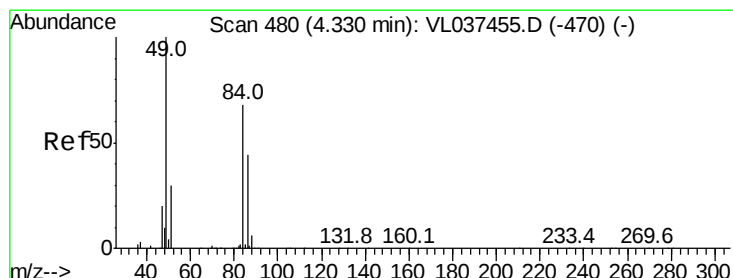
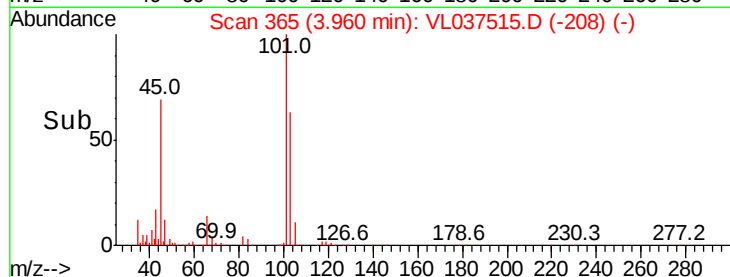
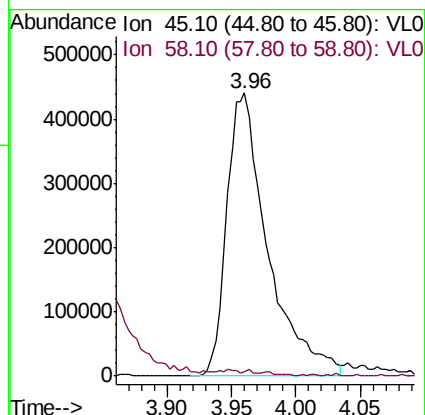
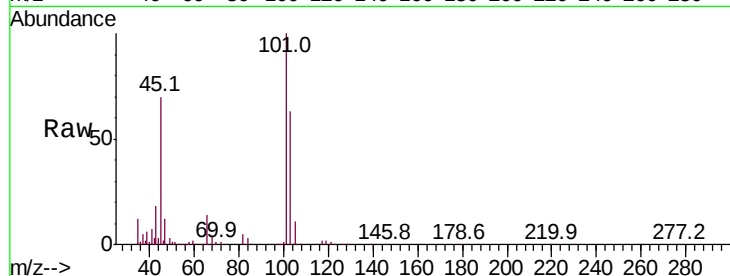
VSTDCCC010

Tot Ion: 45 Resp: 971074

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



#20

Methylene Chloride

Concen: 8.910 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 84 Resp: 676464

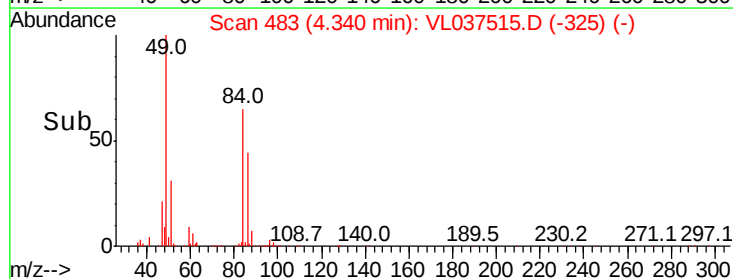
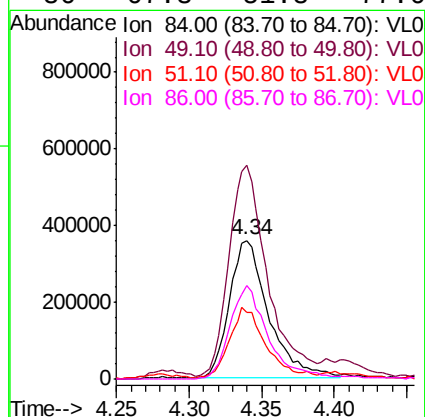
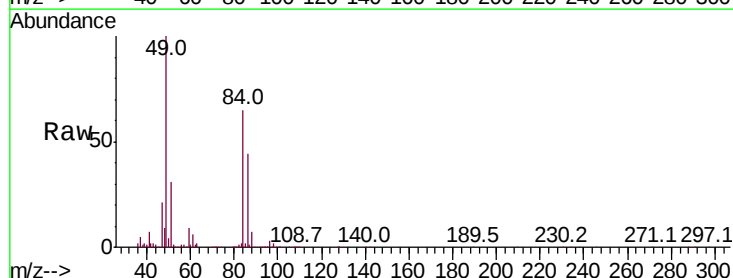
Ion Ratio Lower Upper

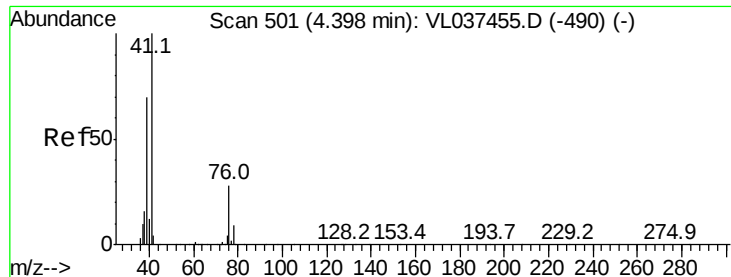
84 100

49 151.7 118.2 177.2

51 47.4 36.6 55.0

86 67.3 51.8 77.6





#21

Allvl Chloride

Concen: 10.420 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

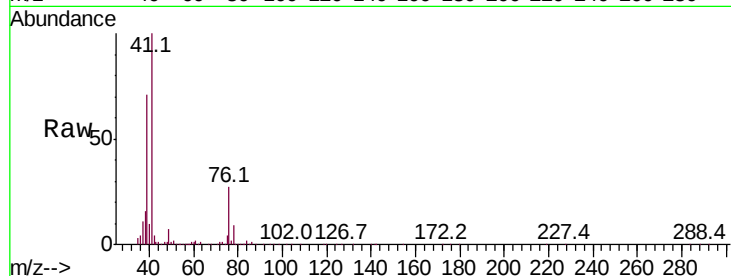
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 1283285

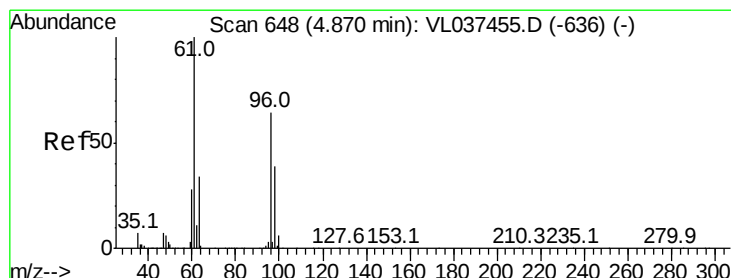
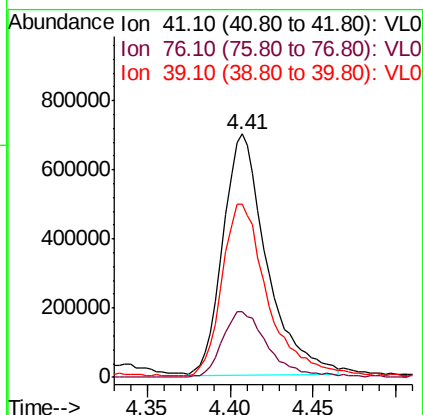
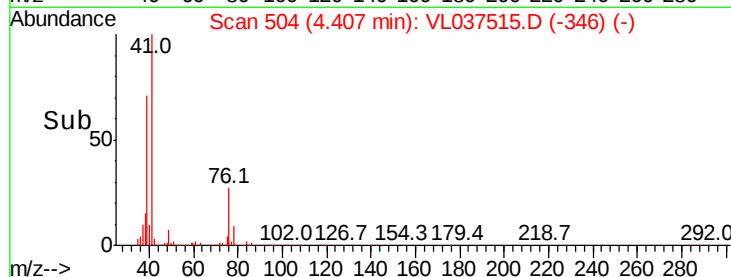
Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.8	32.6
39	75.6	56.8	85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.837 ppbv

RT: 4.88 min Scan# 651

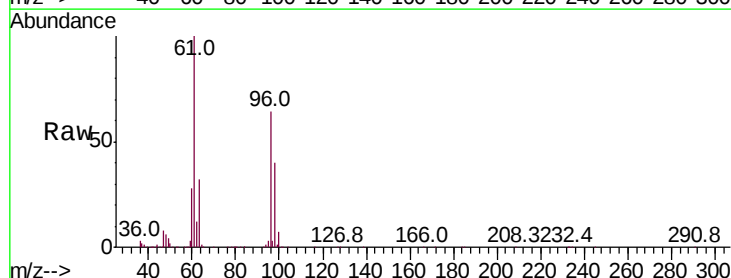
Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 96 Resp: 808721

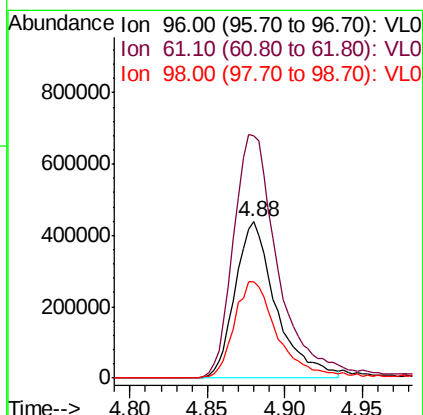
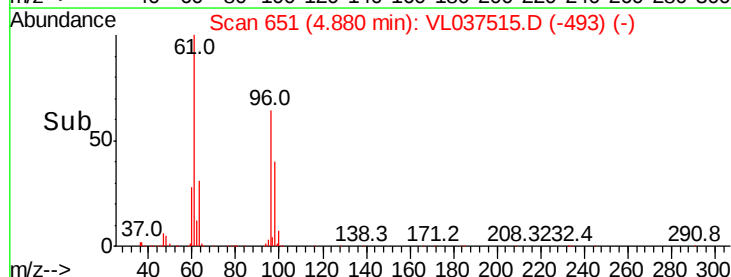
Ion	Ratio	Lower	Upper
96	100		
61	155.1	125.5	188.3
98	62.0	49.0	73.4

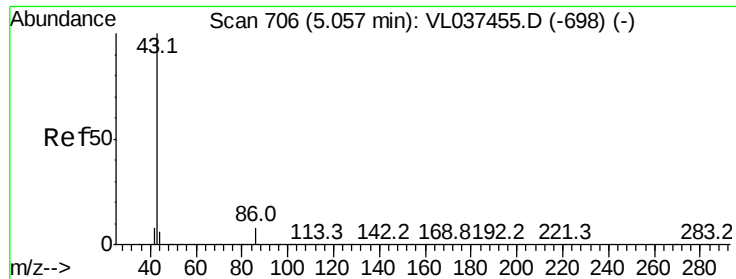


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.898 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

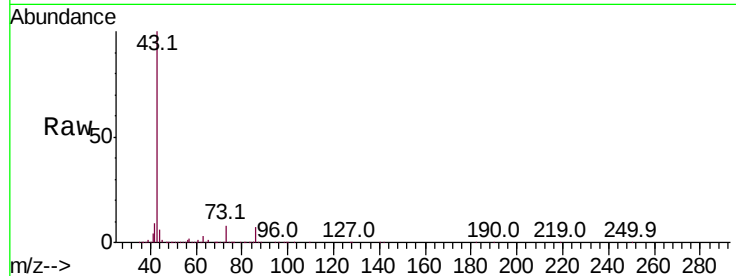
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2212237

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.7	8.5
42	9.0	7.4	11.2
44	5.3	4.3	6.5

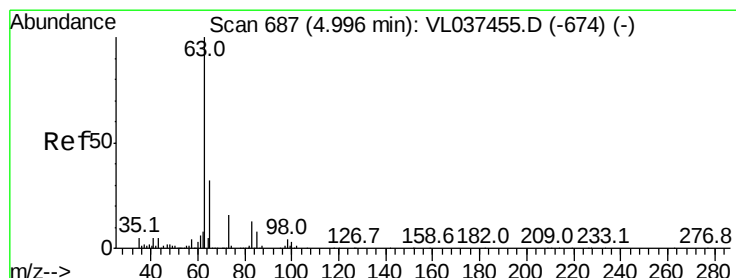
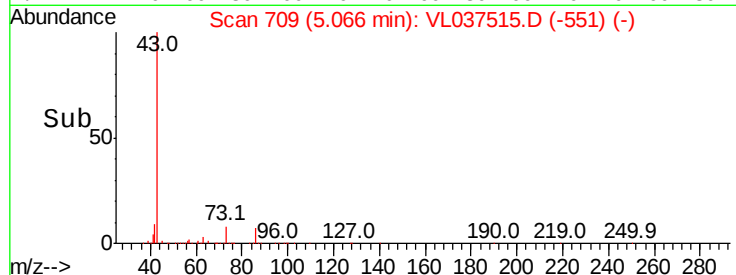


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.640 ppbv

RT: 5.00 min Scan# 689

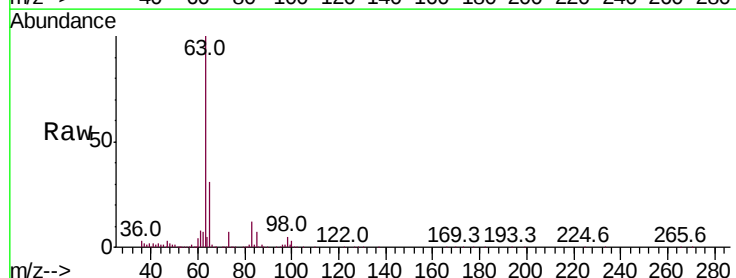
Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 63 Resp: 1562762

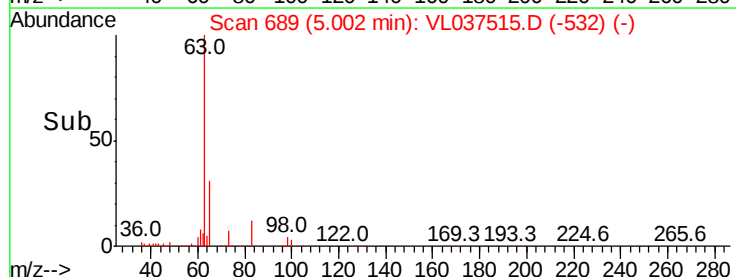
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.6	1.6	4.7

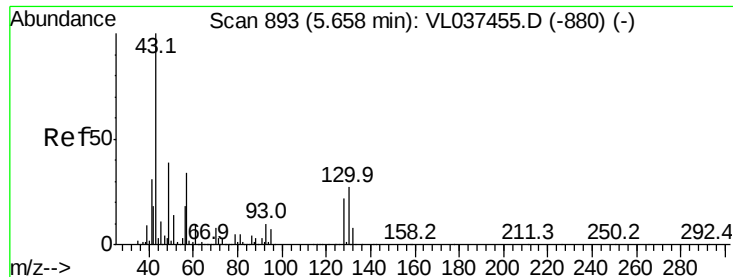


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

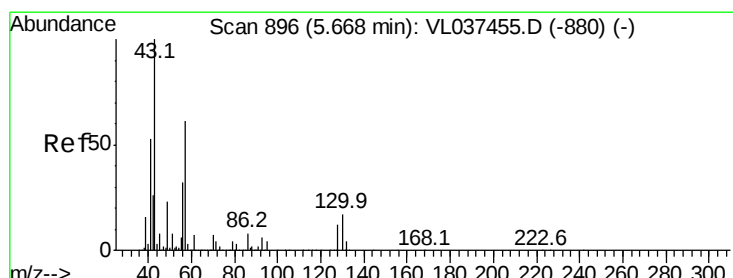
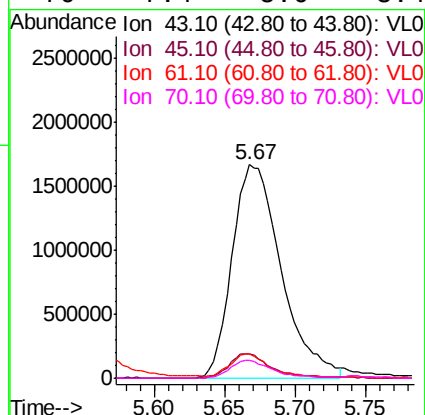
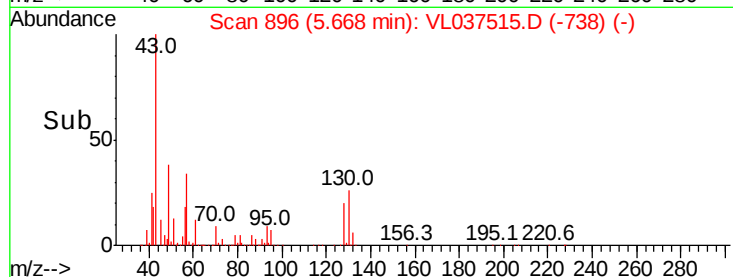
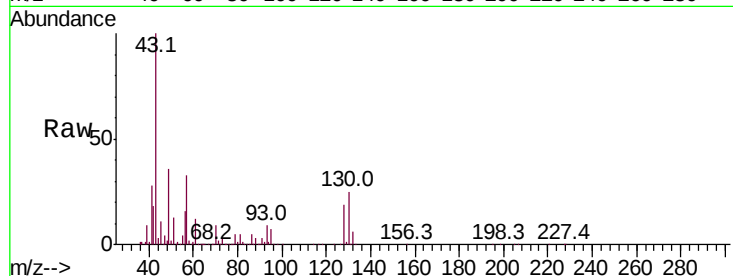




#25
Ethyl Acetate
Concen: 10.534 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

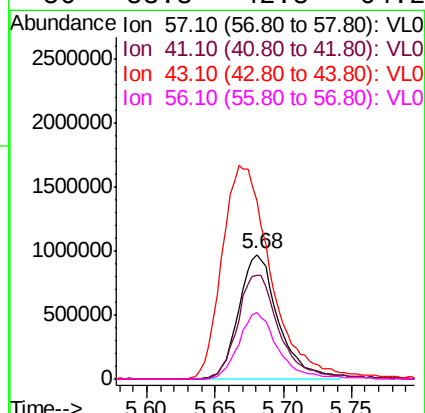
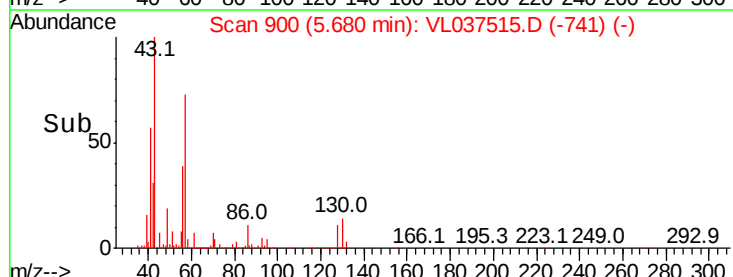
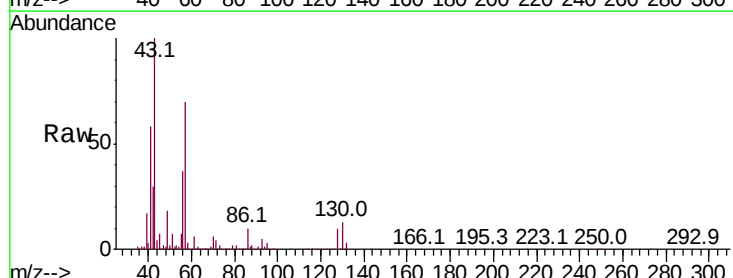
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

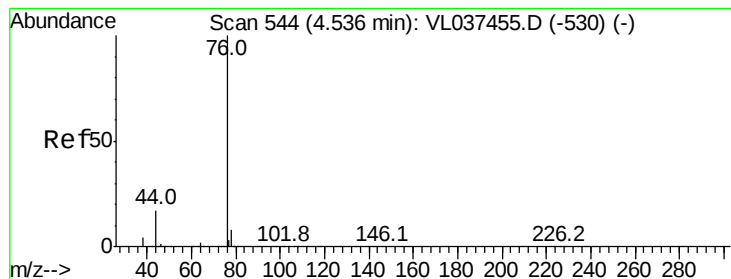
Tot Ion: 43 Resp: 4055195
Ion Ratio Lower Upper
43 100
45 10.1 8.0 12.0
61 10.2 8.0 12.0
70 7.4 5.6 8.4



#26
Hexane
Concen: 10.431 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Tgt Ion: 57 Resp: 1963260
Ion Ratio Lower Upper
57 100
41 89.7 72.3 108.5
43 214.2 172.3 258.5
56 53.3 42.8 64.2





#27

Carbon Disulfide

Concen: 11.801 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

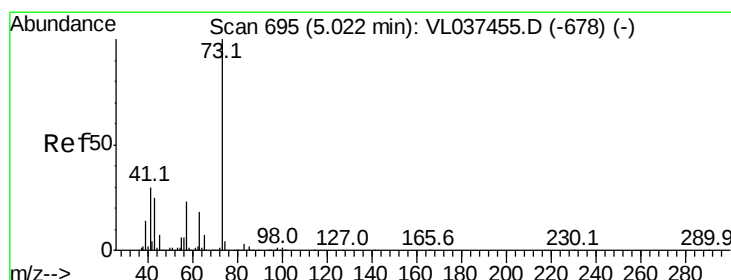
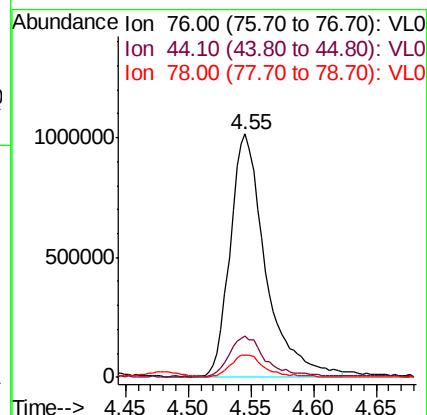
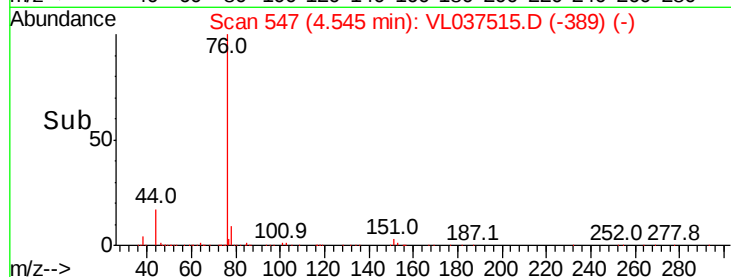
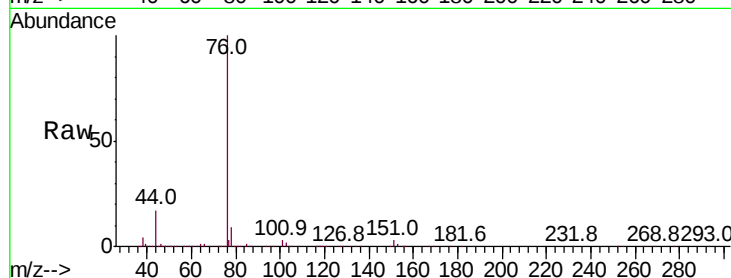
Tot Ion: 76 Resp: 1979374

Ion Ratio Lower Upper

76 100

44 17.3 13.9 20.9

78 9.3 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 9.640 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037515.D

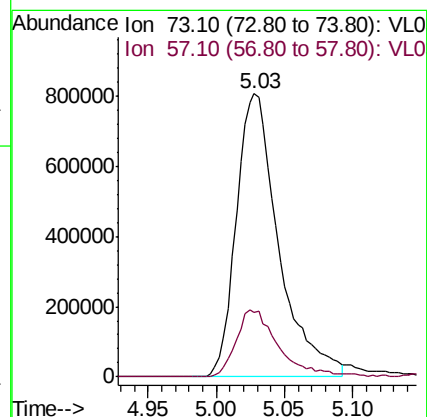
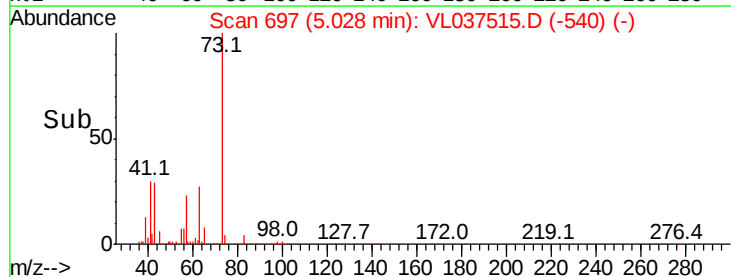
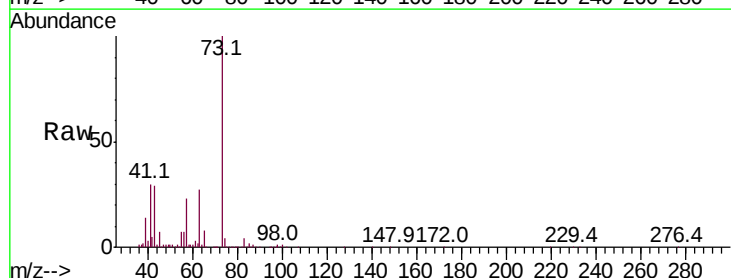
Acq: 3 Sep 2021 10:23

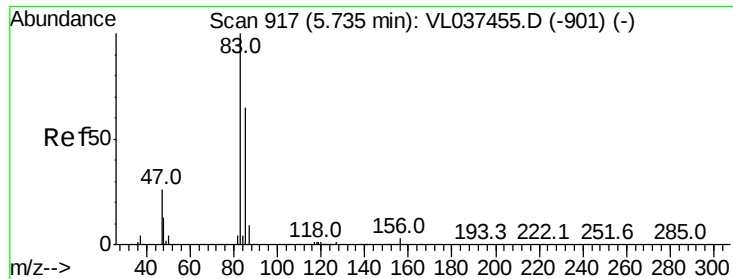
Tgt Ion: 73 Resp: 1742517

Ion Ratio Lower Upper

73 100

57 24.1 19.4 29.2





#29

Chloroform

Concen: 10.436 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

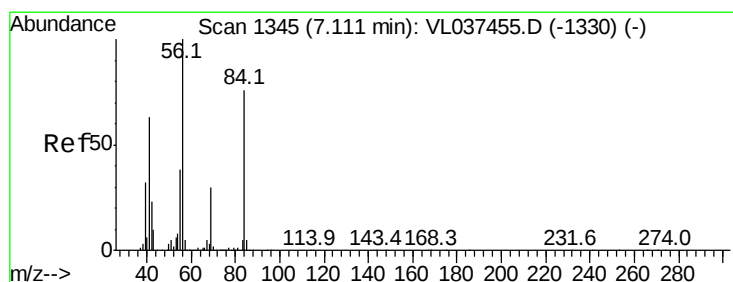
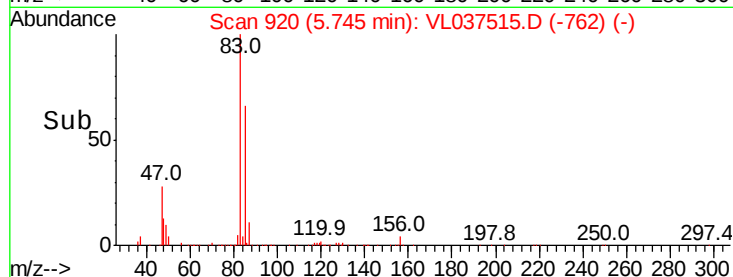
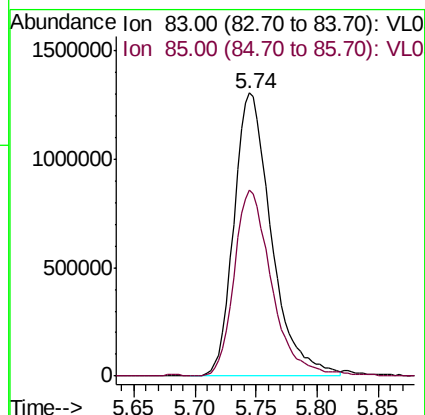
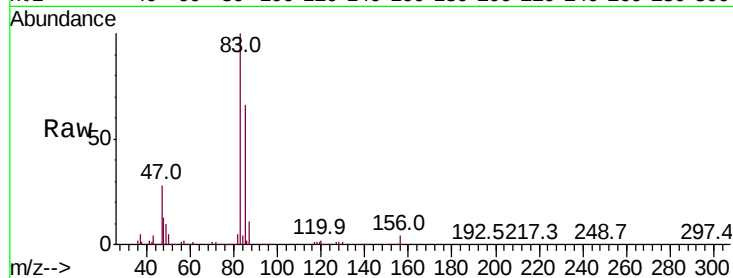
VSTDCCC010

Tot Ion: 83 Resp: 2783730

Ion Ratio Lower Upper

83 100

85 65.3 52.3 78.5



#30

Cyclohexane

Concen: 10.614 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

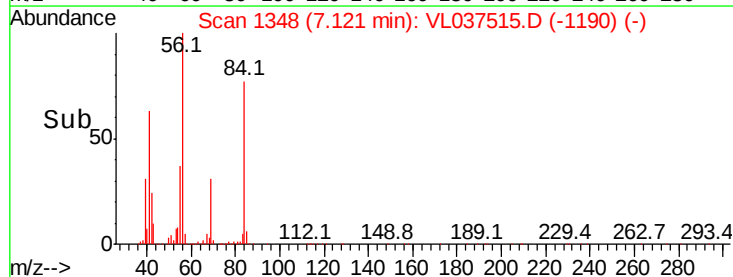
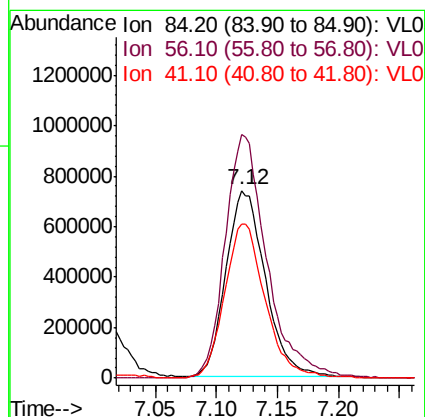
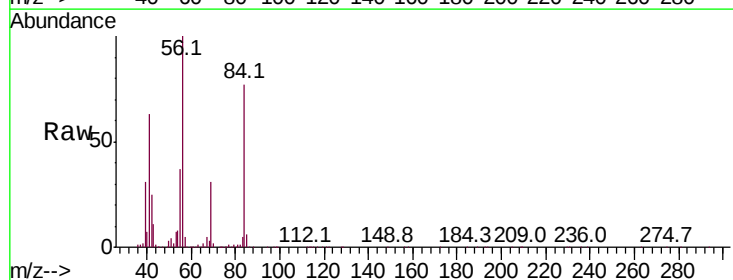
Tgt Ion: 84 Resp: 1664417

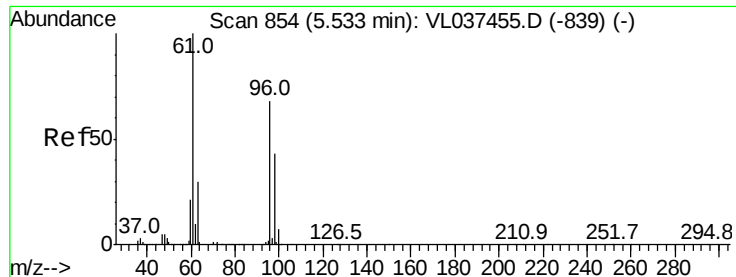
Ion Ratio Lower Upper

84 100

56 139.1 110.6 165.8

41 85.6 67.0 100.6



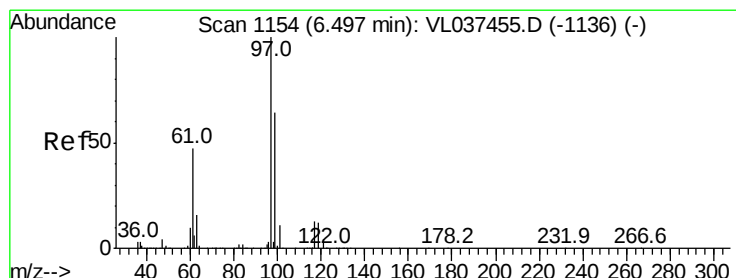
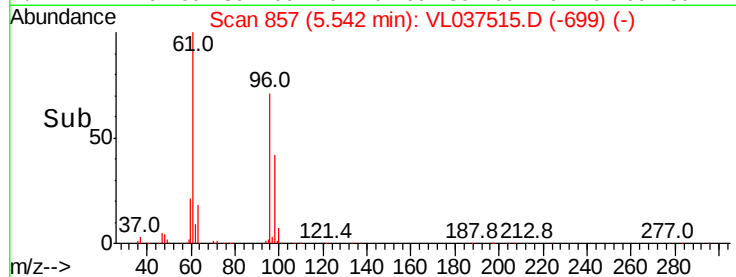
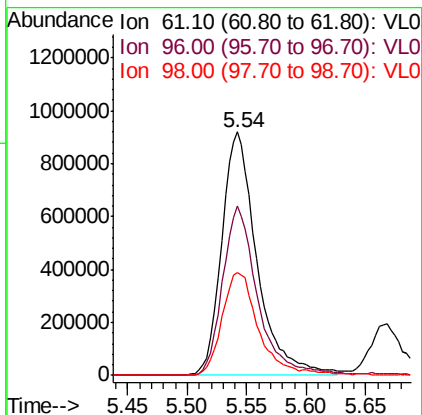
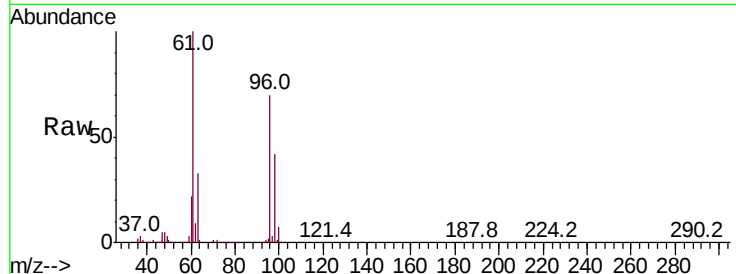


#31

cis-1,2-Dichloroethene
Concen: 11.019 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

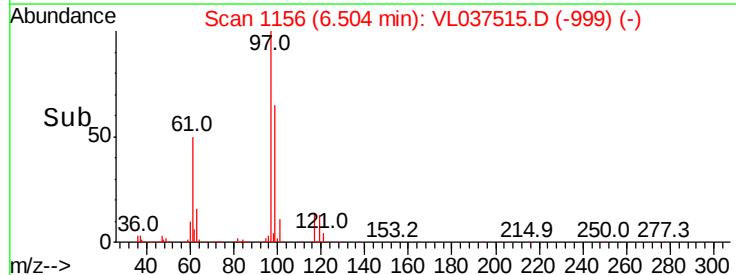
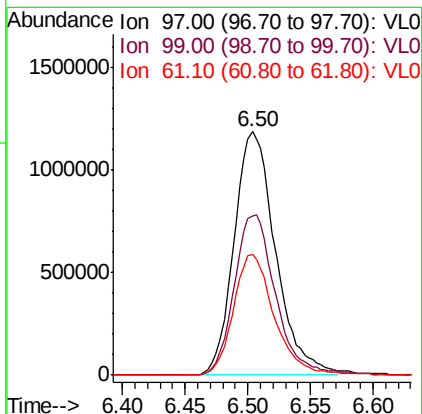
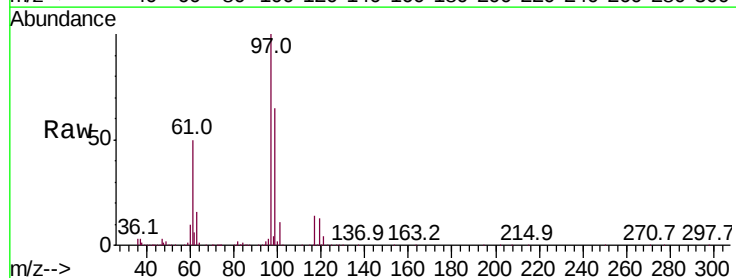
Tot Ion: 61 Resp: 1876931
Ion Ratio Lower Upper
61 100
96 69.6 54.8 82.2
98 42.4 34.2 51.2

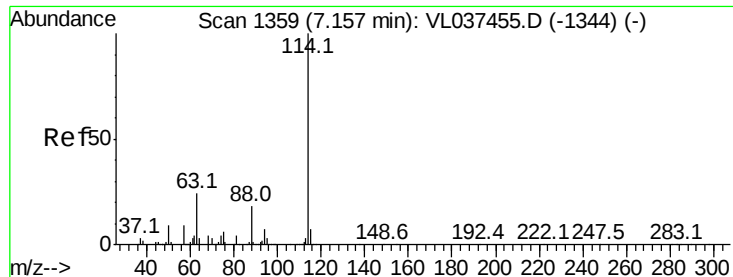


#32

1,1,1-Trichloroethane
Concen: 10.403 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Tgt Ion: 97 Resp: 2726237
Ion Ratio Lower Upper
97 100
99 66.0 51.8 77.6
61 49.3 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

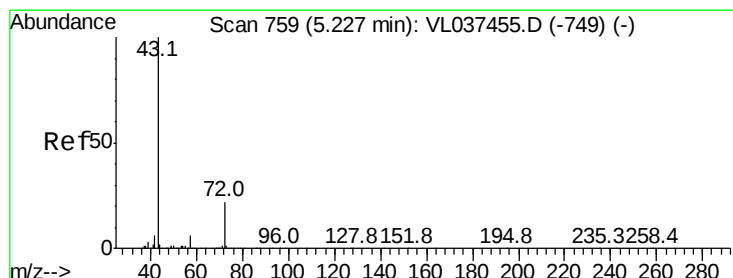
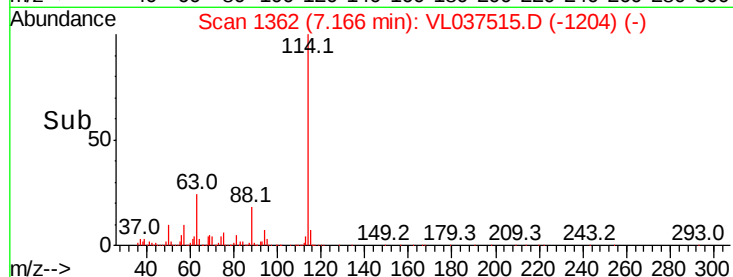
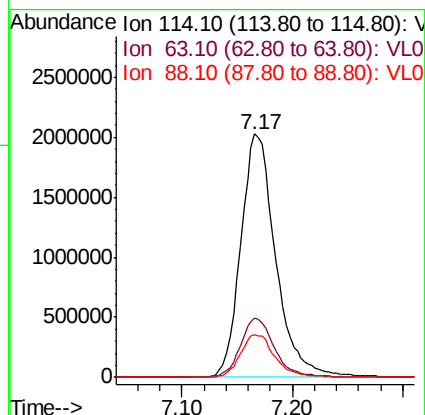
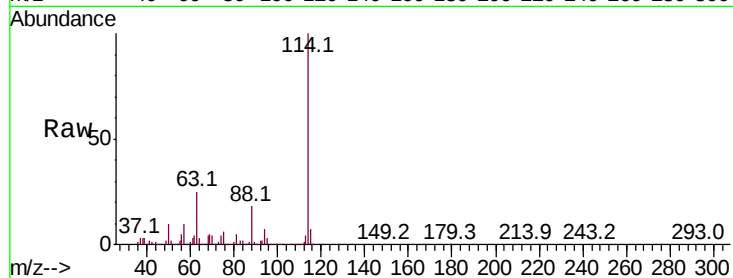
Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:114 Resp: 4429417

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.3	28.9
88	17.6	14.2	21.4



#34

2-Butanone

Concen: 10.348 ppbv

RT: 5.24 min Scan# 762

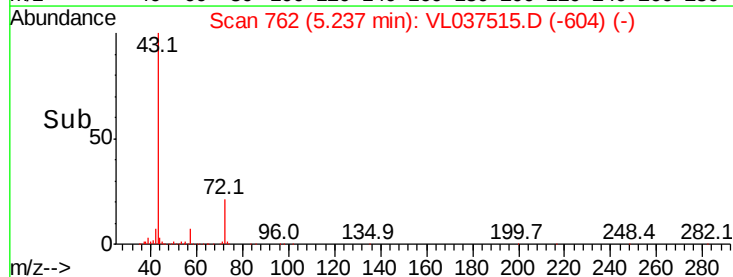
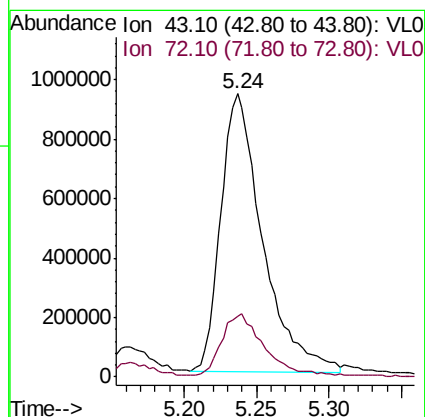
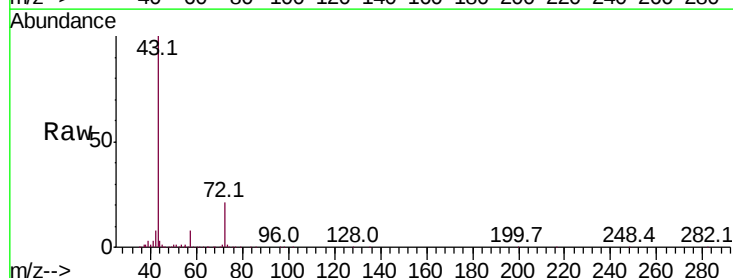
Delta R.T. 0.01 min

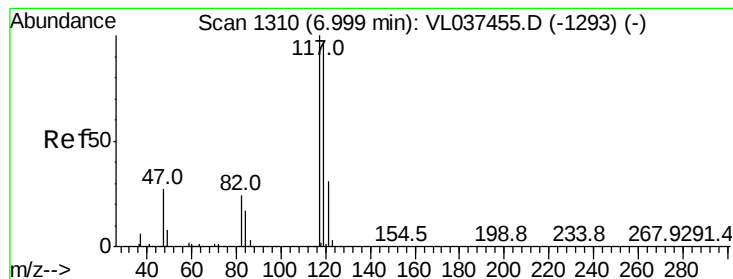
Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 43 Resp: 1871665

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.4	26.0





#35

Carbon Tetrachloride

Concen: 10.732 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

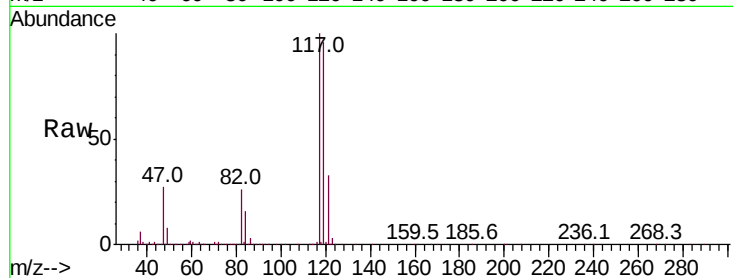
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2809417

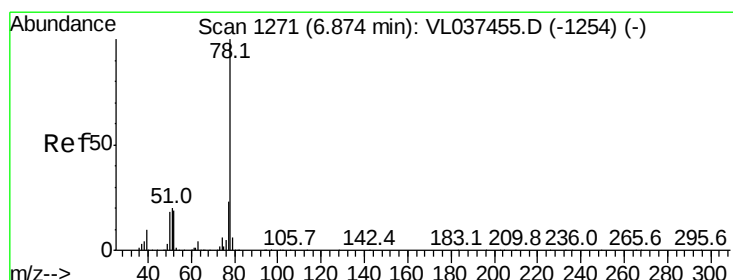
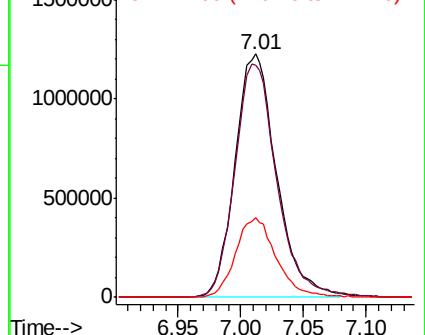
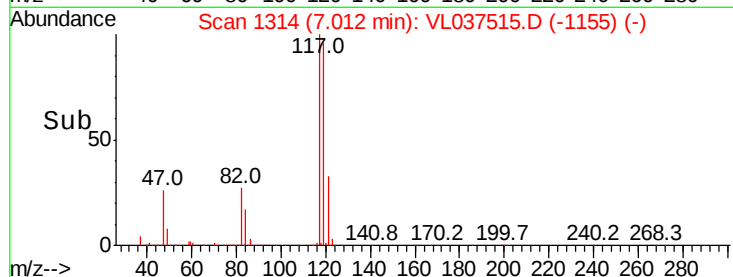
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.3	115.9
121	32.6	25.2	37.8



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: 11.007 ppbv

RT: 6.89 min Scan# 1275

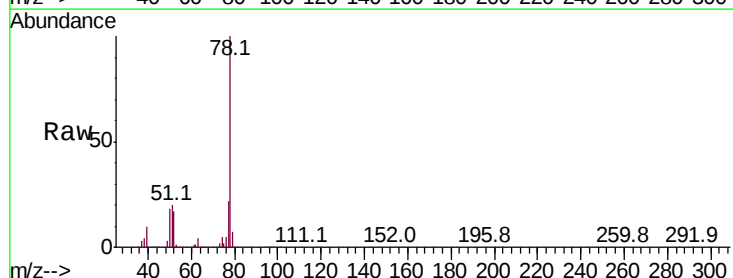
Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 78 Resp: 4098671

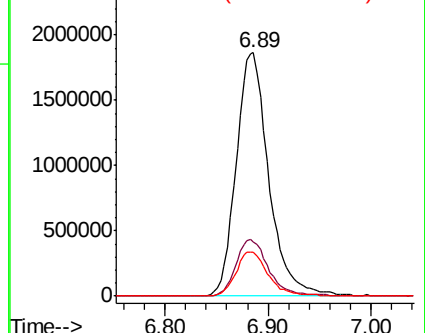
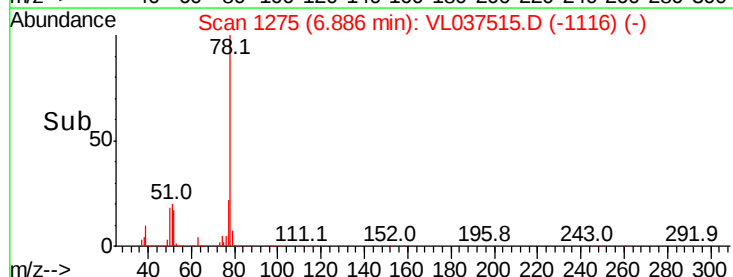
Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.2	27.4
50	18.2	14.6	21.8

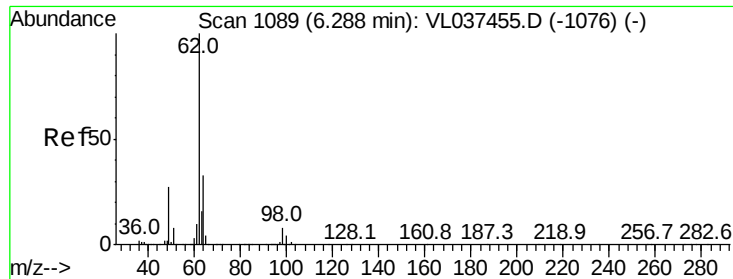


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

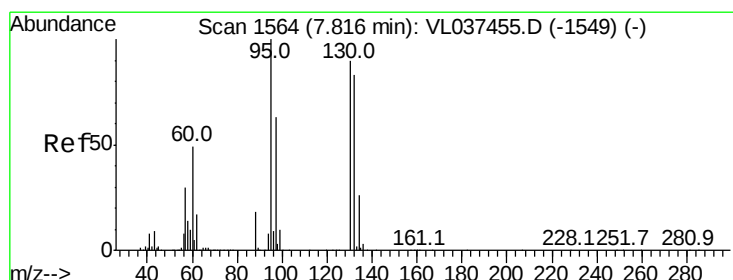
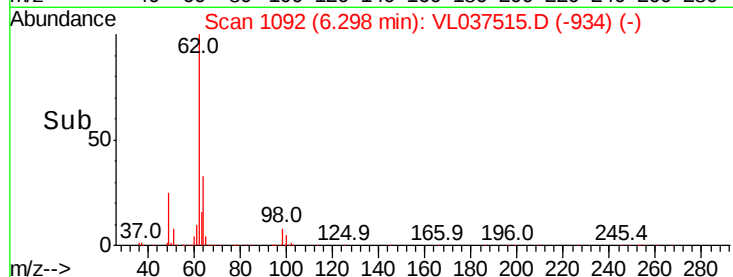
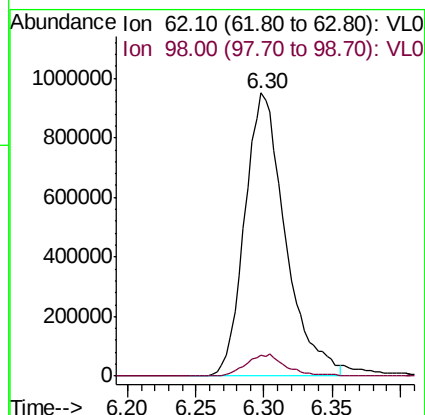
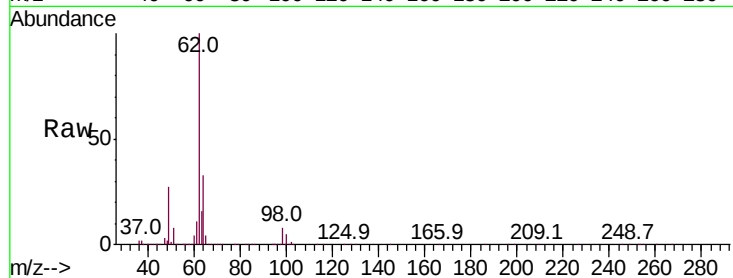




#37
 1,2-Dichloroethane
 Concen: 10.692 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

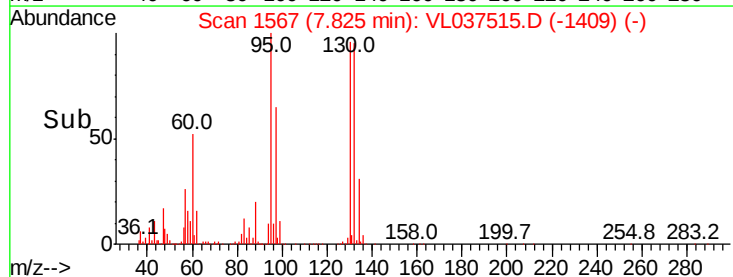
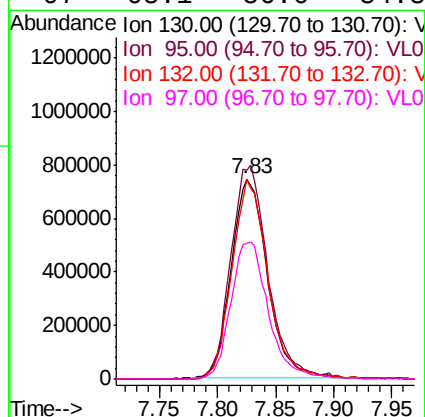
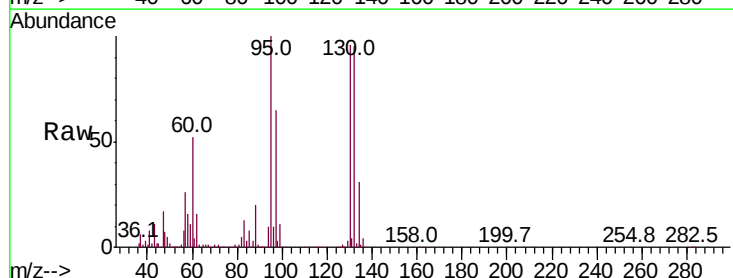
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

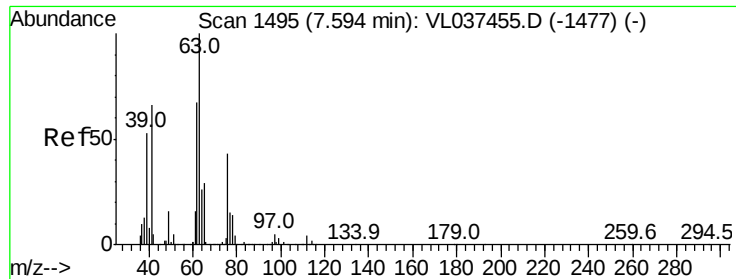
Tot Ion: 62 Resp: 1972008
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.0 9.0



#38
 Trichloroethene
 Concen: 10.512 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Tgt Ion:130 Resp: 1605985
 Ion Ratio Lower Upper
 130 100
 95 105.0 89.2 133.8
 132 100.1 74.0 111.0
 97 68.1 56.6 84.8





#39

1,2-Dichloropropane

Concen: 10.682 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

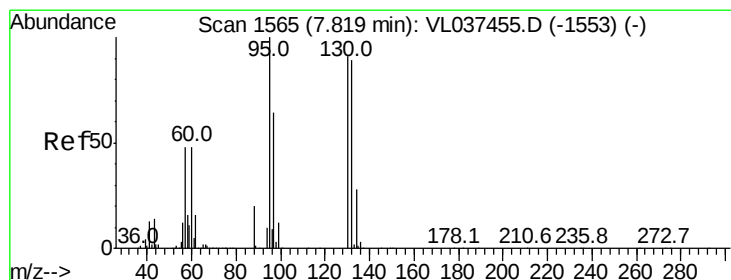
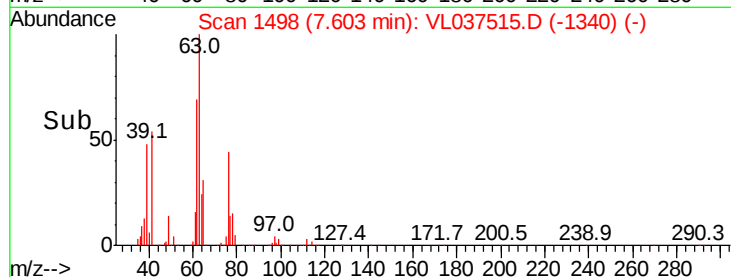
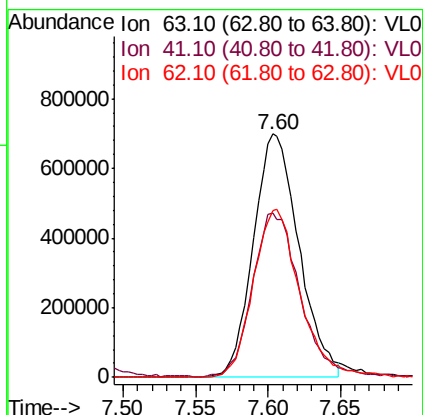
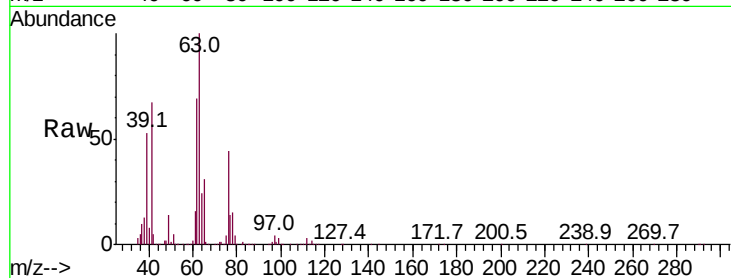
Tot Ion: 63 Resp: 1528432

Ion Ratio Lower Upper

63 100

41 66.8 52.4 78.6

62 68.7 53.6 80.4



#40

1,4-Dioxane

Concen: 10.882 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion: 88 Resp: 381447

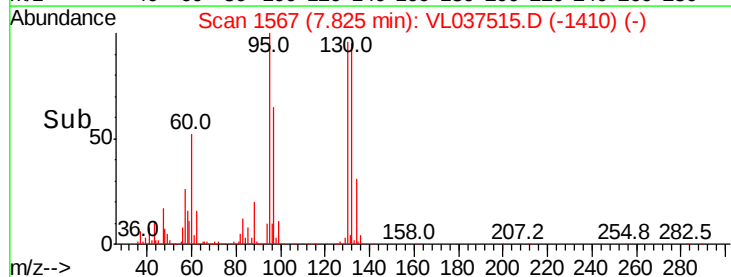
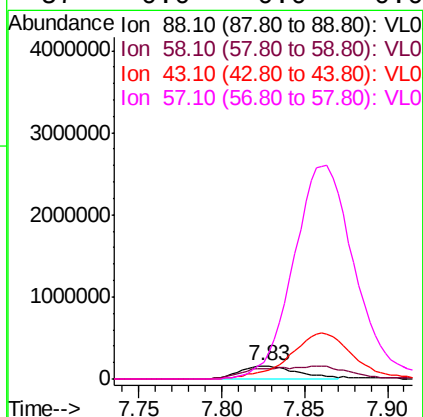
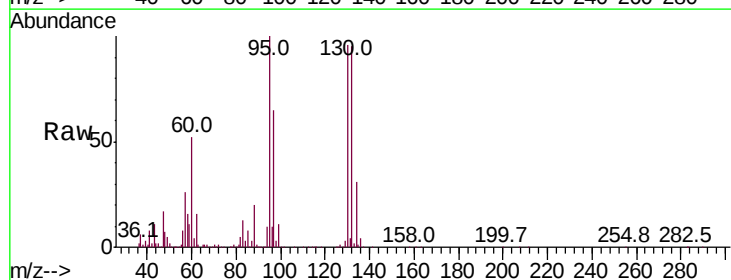
Ion Ratio Lower Upper

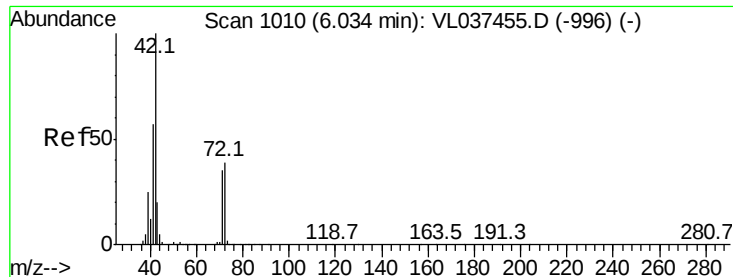
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.586 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

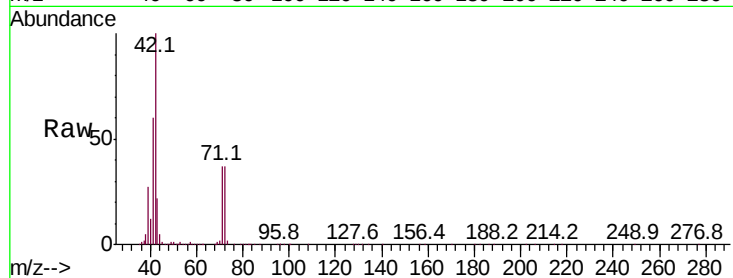
Tot Ion: 42 Resp: 1009544

Ion Ratio Lower Upper

42 100

72 38.5 32.2 48.4

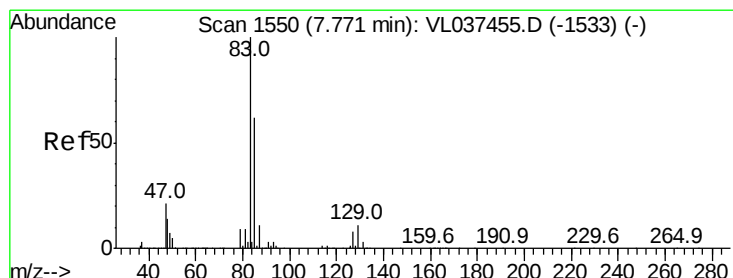
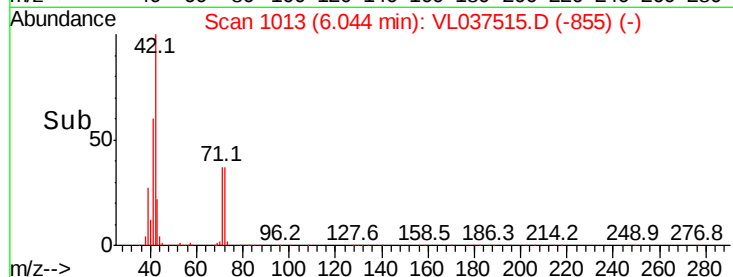
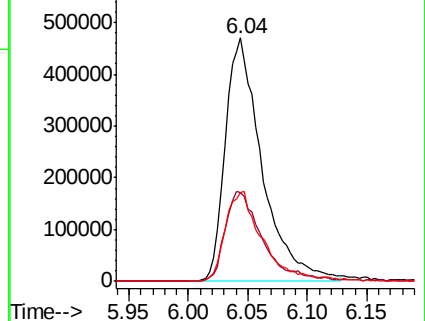
71 38.0 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.147 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

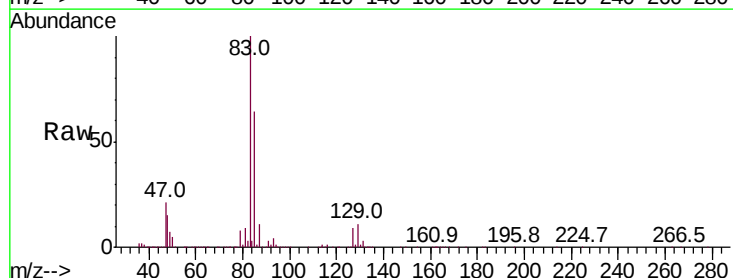
Tgt Ion: 83 Resp: 3006416

Ion Ratio Lower Upper

83 100

85 64.2 49.5 74.3

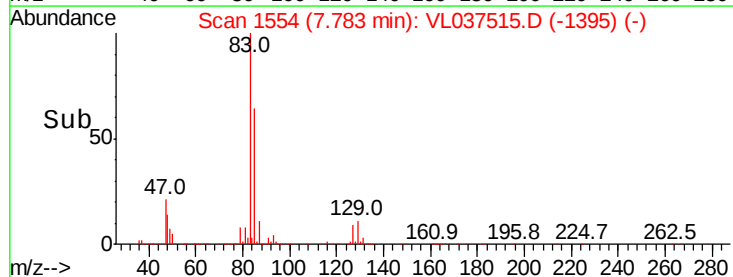
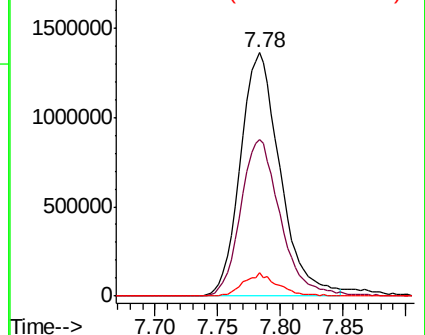
127 9.5 6.3 9.5

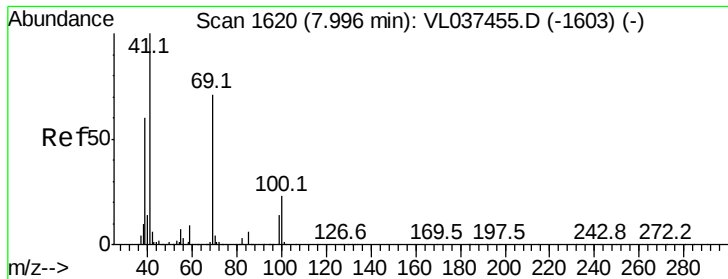


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

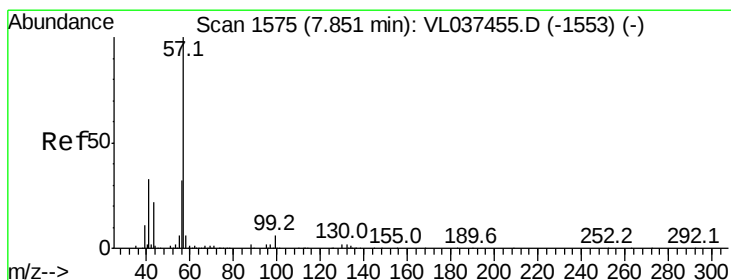
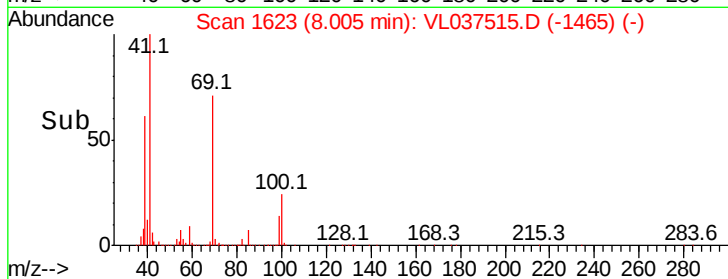
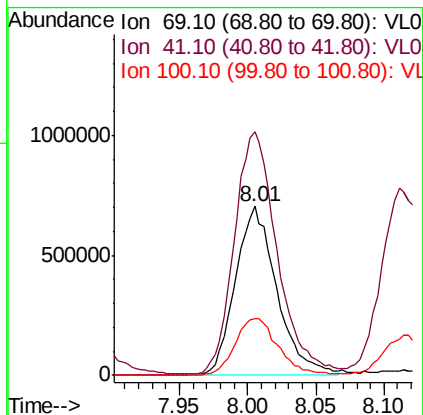
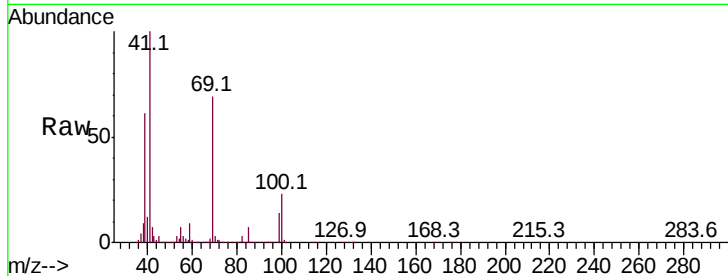




#43
Methvl Methacrylate
Concen: 11.435 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

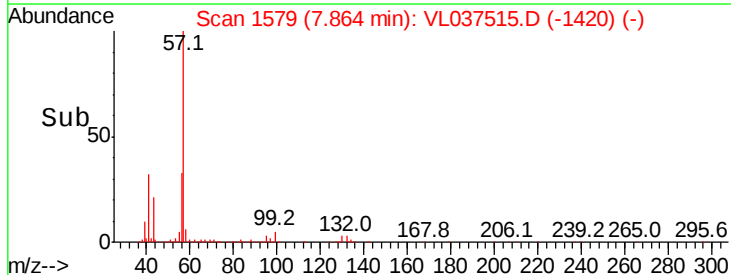
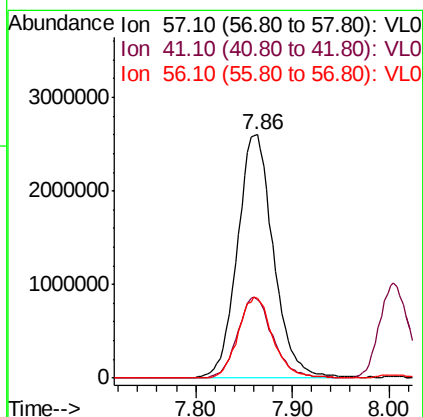
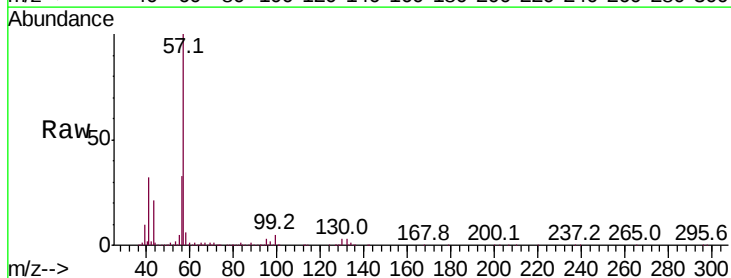
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

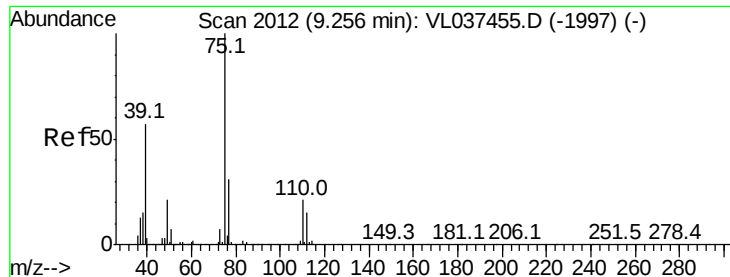
Tot Ion: 69 Resp: 1483971
Ion Ratio Lower Upper
69 100
41 149.8 118.6 178.0
100 35.1 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 10.752 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Tgt Ion: 57 Resp: 6737793
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.4
56 32.2 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 14.297 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

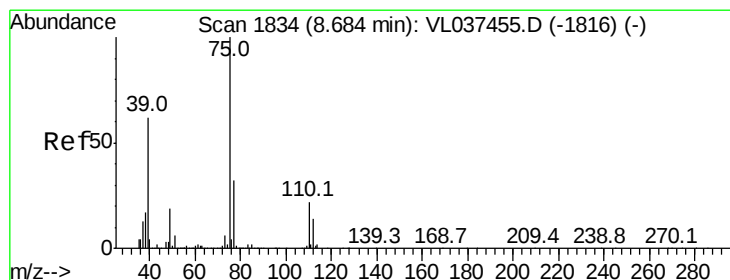
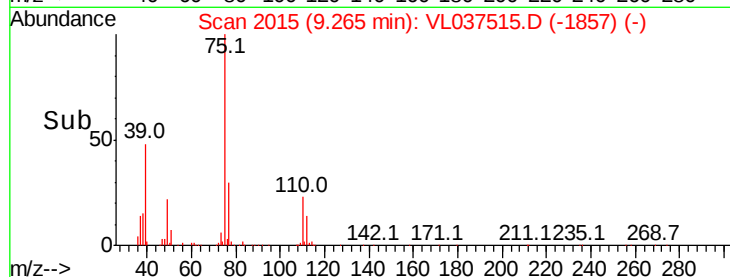
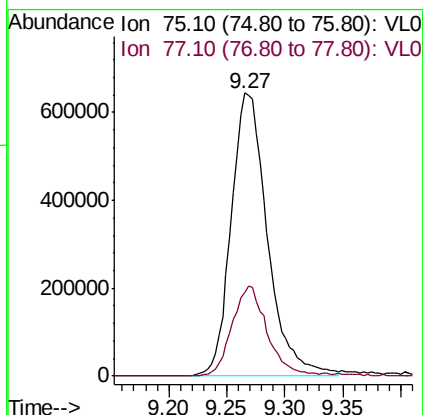
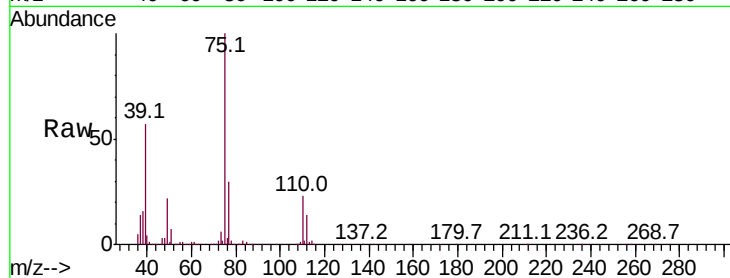
VSTDCCC010

Tot Ion: 75 Resp: 1396826

Ion Ratio Lower Upper

75 100

77 29.7 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 12.953 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

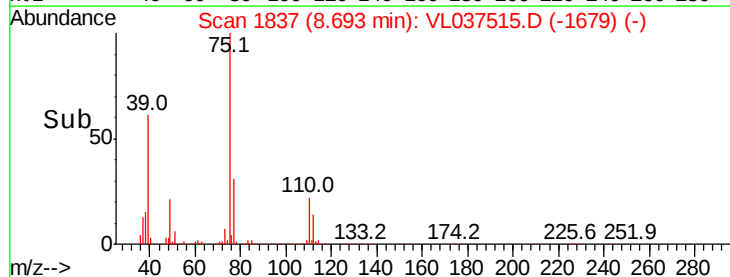
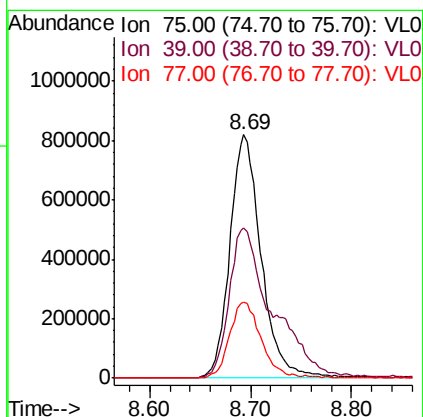
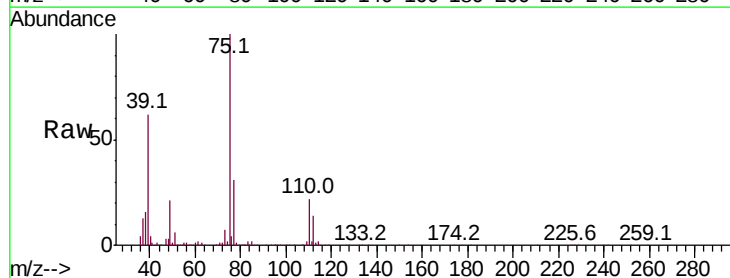
Tgt Ion: 75 Resp: 1765276

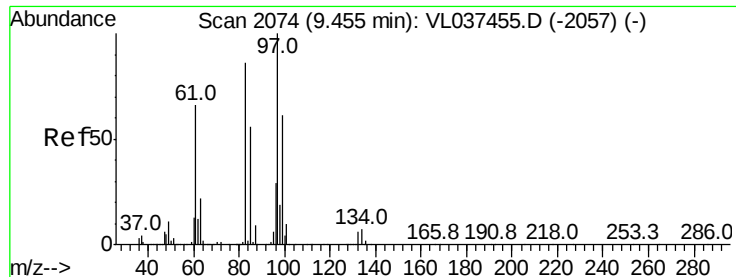
Ion Ratio Lower Upper

75 100

39 61.6 49.7 74.5

77 31.1 25.4 38.0



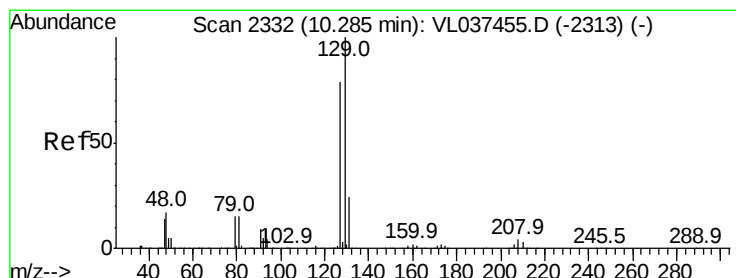
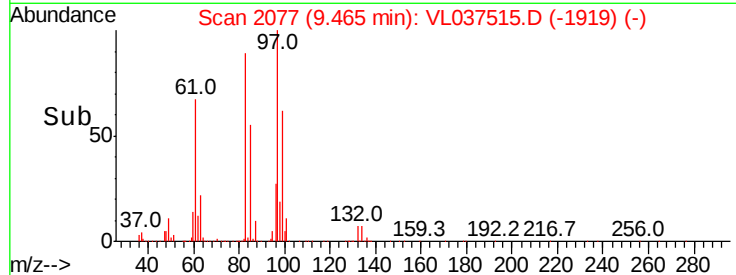
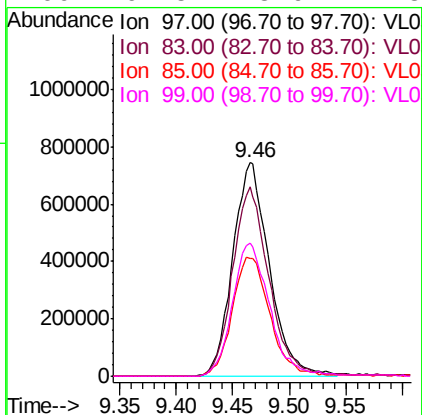
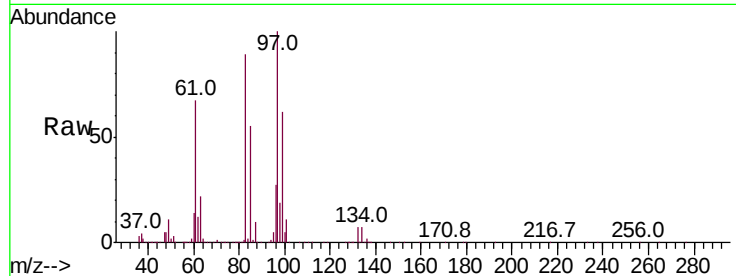


#47
 1,1,2-Trichloroethane
 Concen: 10.874 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1681208

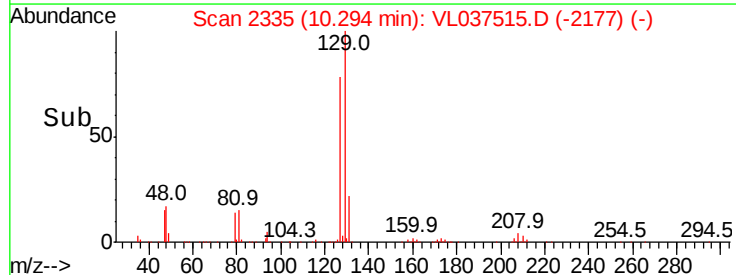
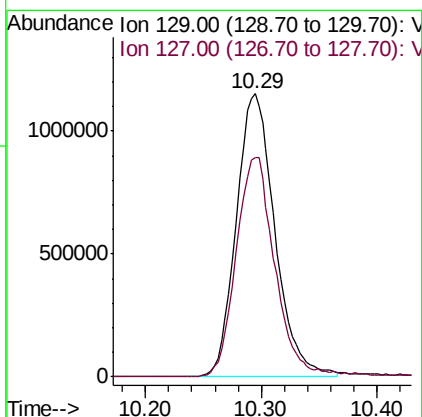
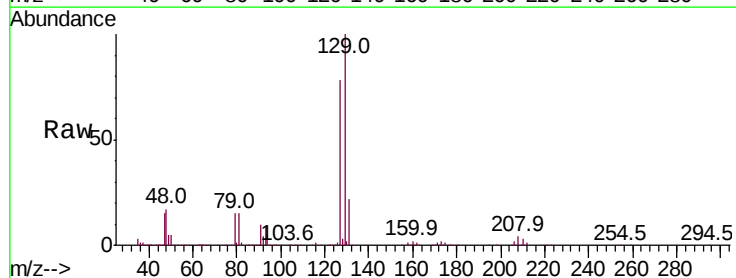
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.7	103.1
85	55.0	44.7	67.1
99	62.5	48.6	72.8

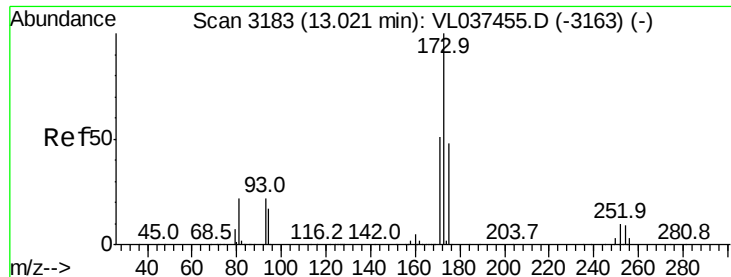


#48
 Dibromochloromethane
 Concen: 11.999 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Tgt Ion: 129 Resp: 2669575

Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	120.0





#49

Bromoform

Concen: 6.185 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

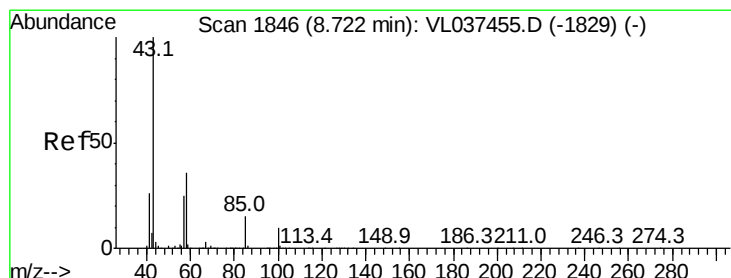
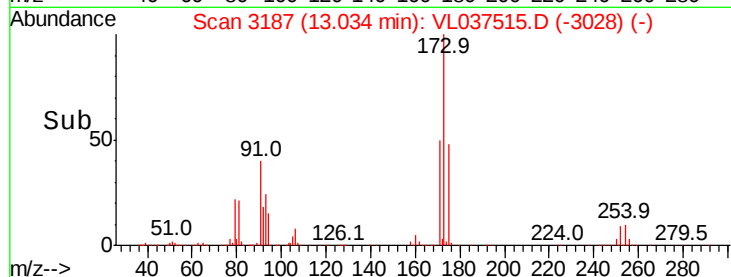
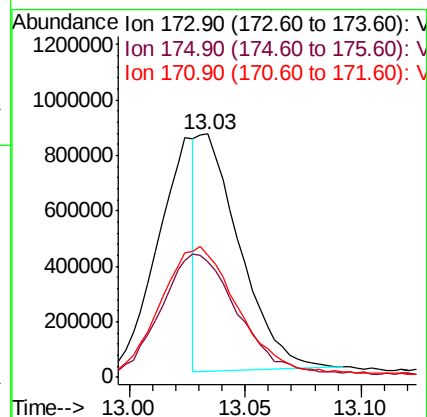
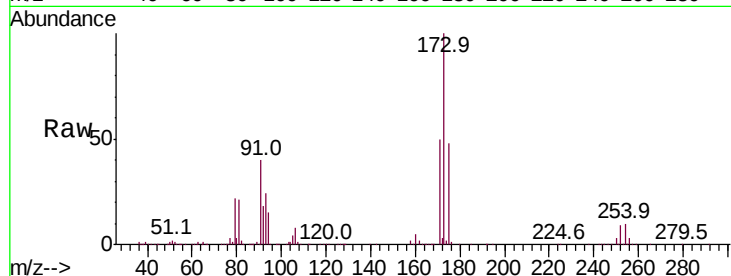
Tot Ion:173 Resp: 1084746

Ion Ratio Lower Upper

173 100

175 98.6 41.9 62.9#

171 108.9 44.2 66.4#



#50

4-Methyl-2-Pentanone

Concen: 11.698 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL037515.D

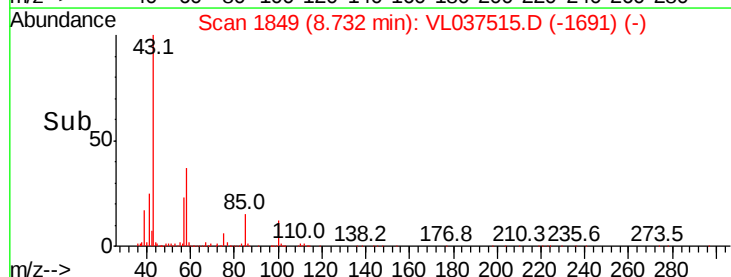
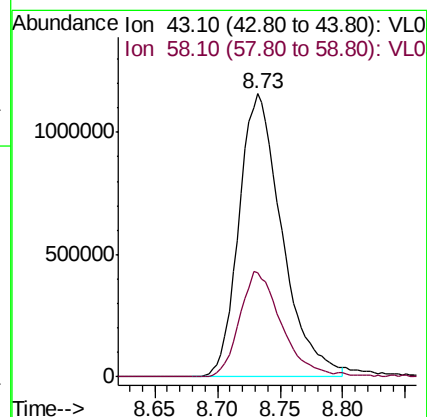
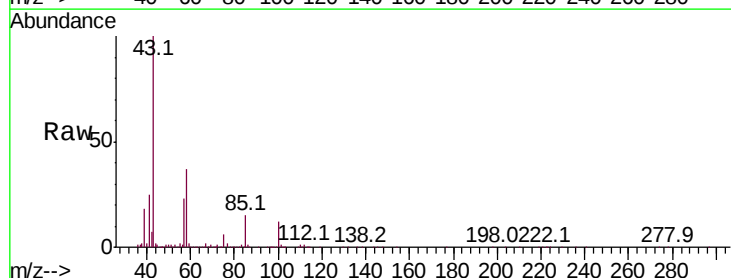
Acq: 3 Sep 2021 10:23

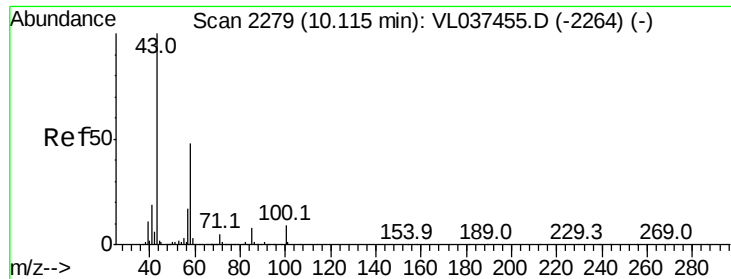
Tgt Ion: 43 Resp: 2760398

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9

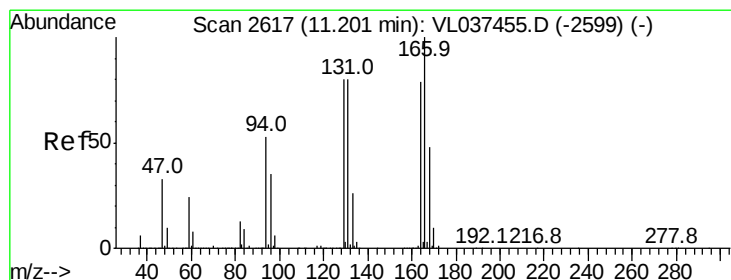
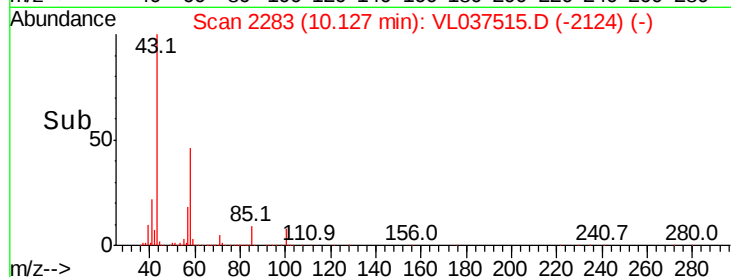
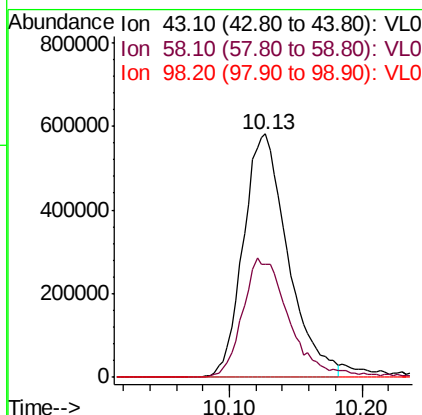
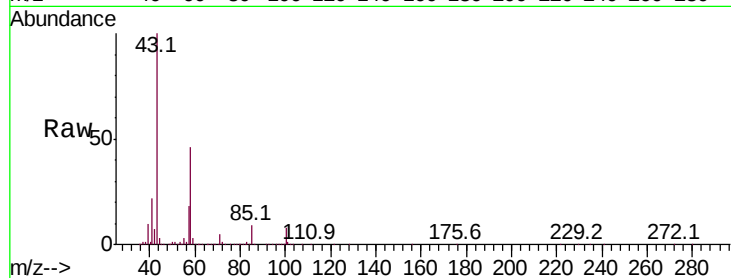




#51
 2-Hexanone
 Concen: 12.478 ppbv
 RT: 10.13 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

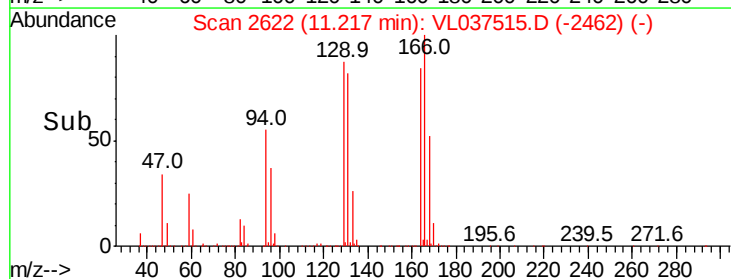
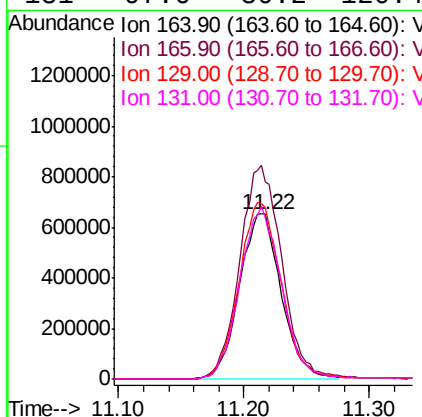
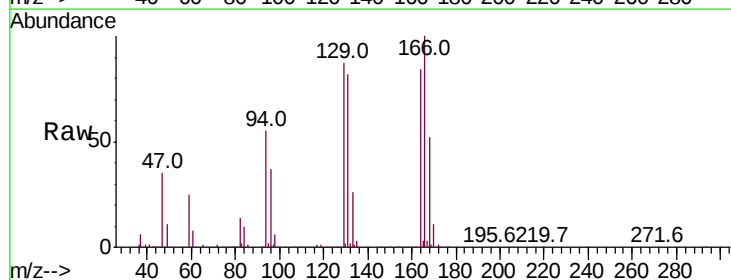
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

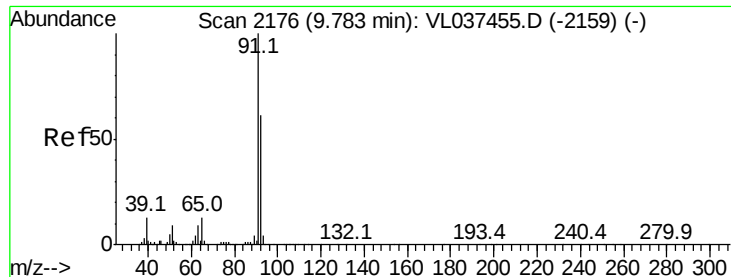
Tot Ion: 43 Resp: 1354368
 Ion Ratio Lower Upper
 43 100
 58 52.1 41.0 61.6
 98 0.2 0.3 0.5#



#52
 Tetrachloroethene
 Concen: 9.895 ppbv
 RT: 11.22 min Scan# 2622
 Delta R.T. 0.02 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Tgt Ion: 164 Resp: 1509885
 Ion Ratio Lower Upper
 164 100
 166 119.3 100.7 151.1
 129 104.4 80.9 121.3
 131 97.6 80.2 120.4





#53

Toluene

Concen: 11.305 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

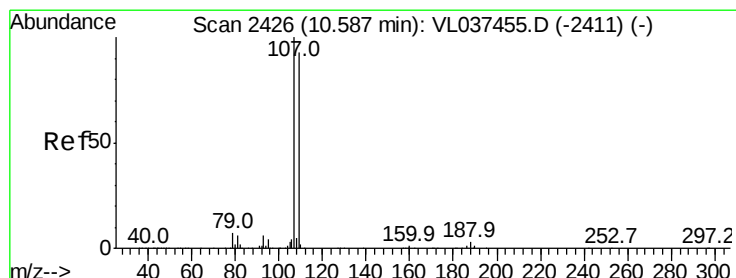
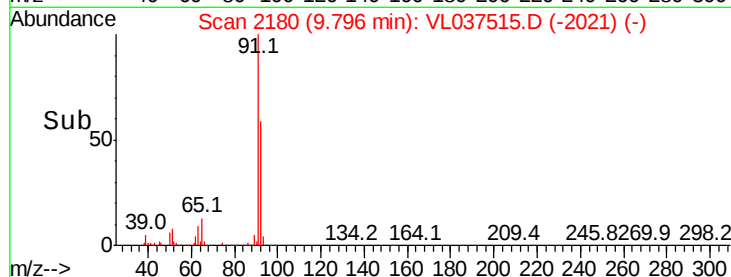
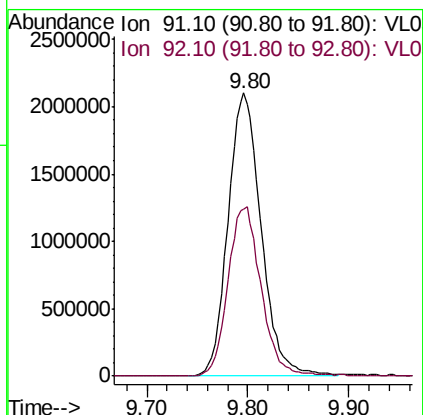
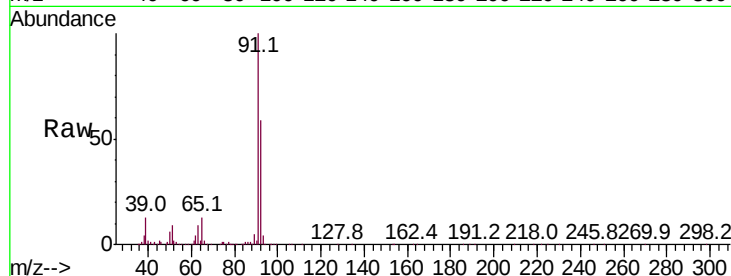
VSTDCCC010

Tot Ion: 91 Resp: 4806436

Ion Ratio Lower Upper

91 100

92 60.5 48.8 73.2



#54

1,2-Dibromoethane

Concen: 11.119 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL037515.D

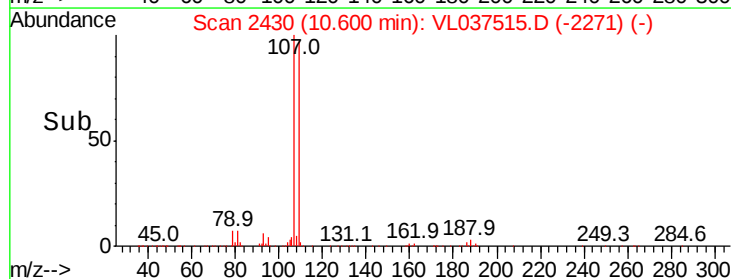
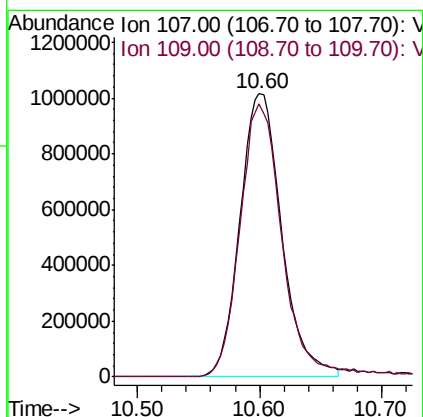
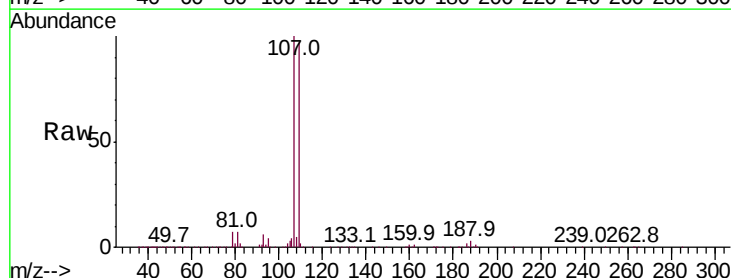
Acq: 3 Sep 2021 10:23

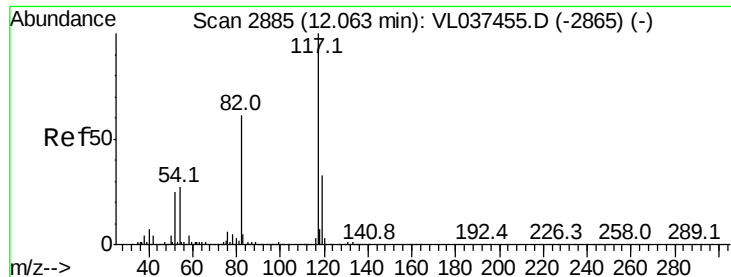
Tgt Ion: 107 Resp: 2399709

Ion Ratio Lower Upper

107 100

109 96.6 74.2 111.4

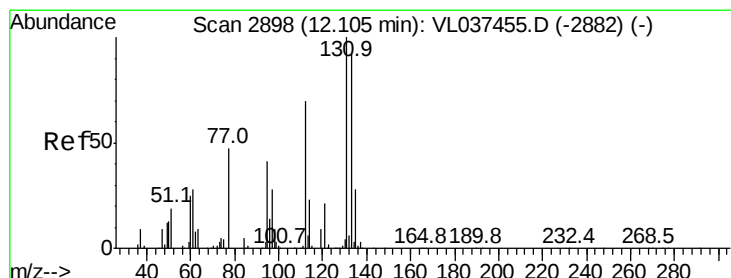
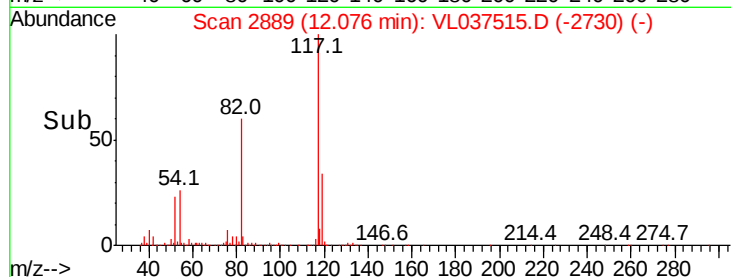
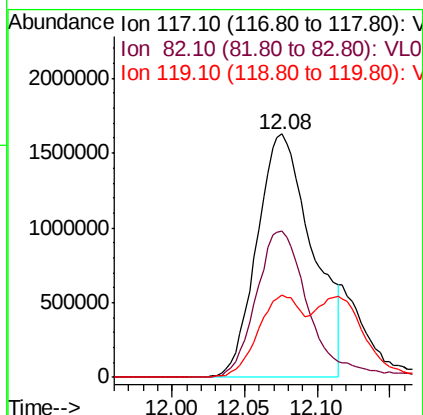
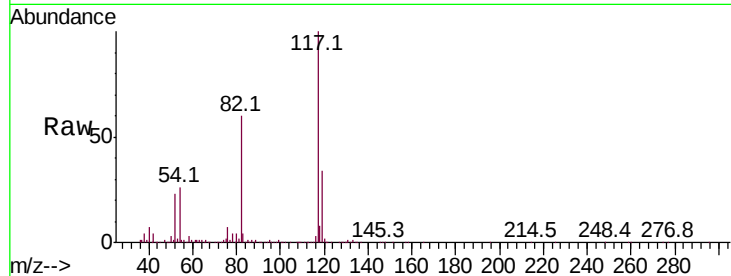




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

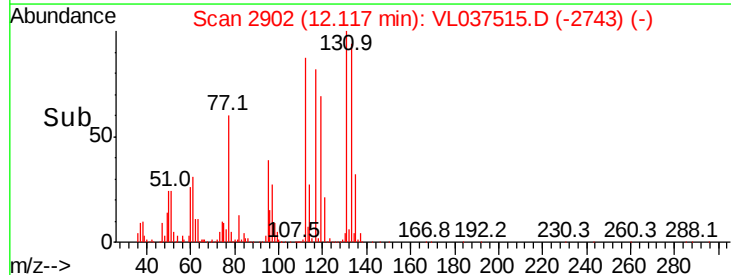
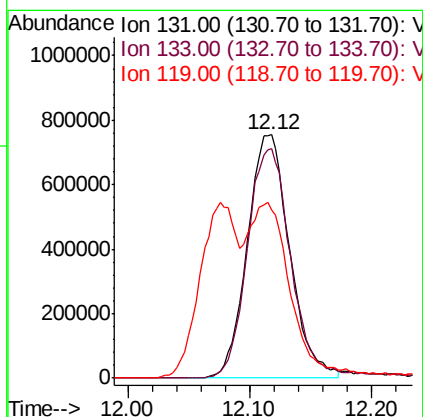
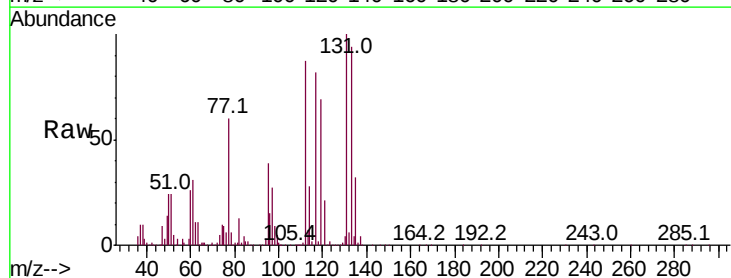
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

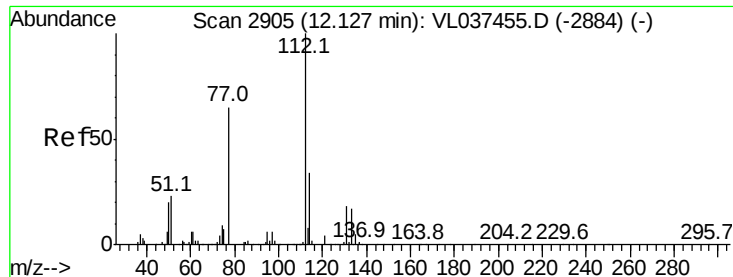
Tot Ion:117 Resp: 4328501
Ion Ratio Lower Upper
117 100
82 59.4 52.9 79.3
119 24.5 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.016 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Tgt Ion:131 Resp: 1806560
Ion Ratio Lower Upper
131 100
133 100.1 78.7 118.1
119 78.7 56.6 85.0





#57

Chlorobenzene

Concen: 9.621 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

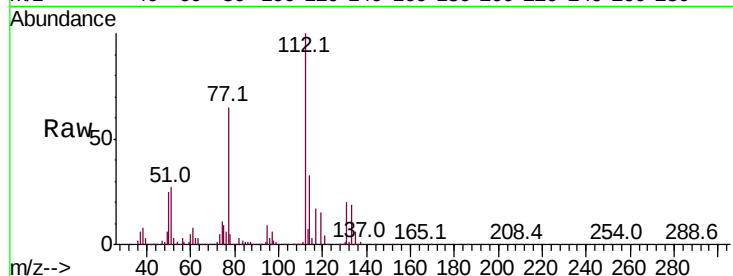
Tot Ion:112 Resp: 3456091

Ion Ratio Lower Upper

112 100

77 64.4 51.6 77.4

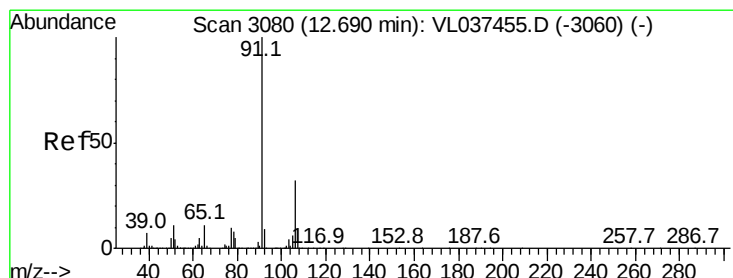
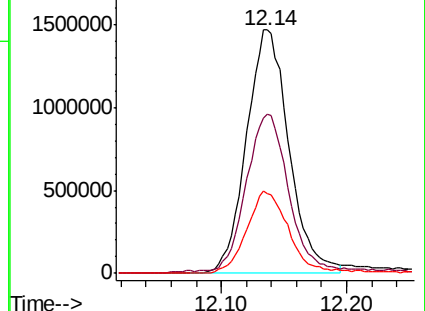
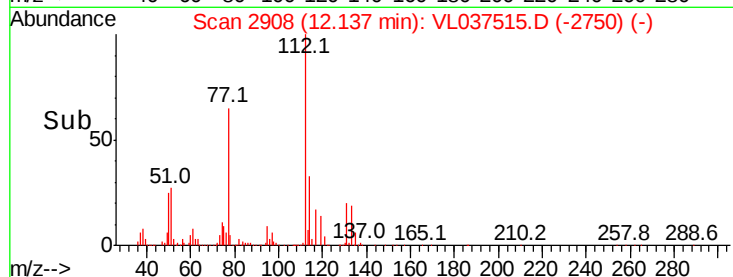
114 32.6 30.7 37.5



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: 10.017 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL037515.D

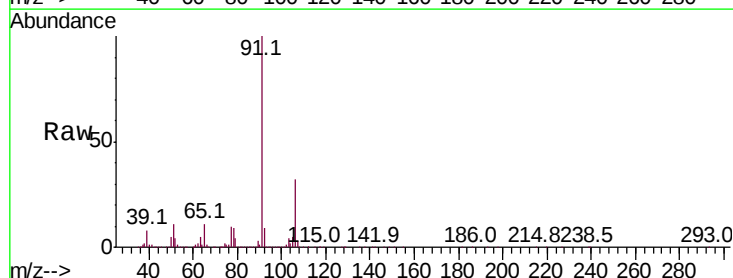
Acq: 3 Sep 2021 10:23

Tgt Ion: 91 Resp: 6016758

Ion Ratio Lower Upper

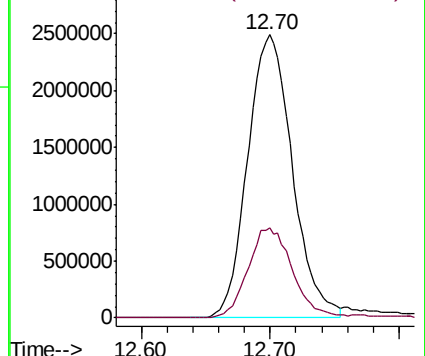
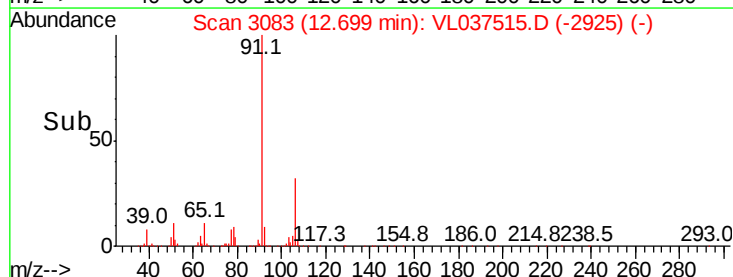
91 100

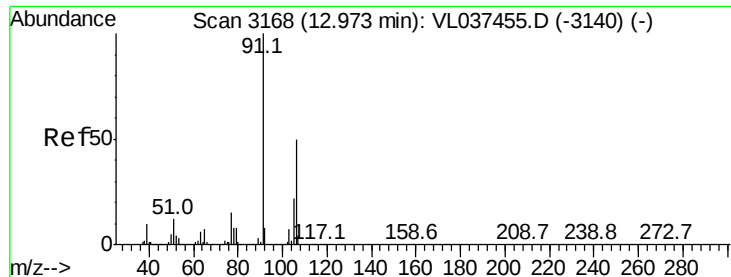
106 31.9 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.610 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

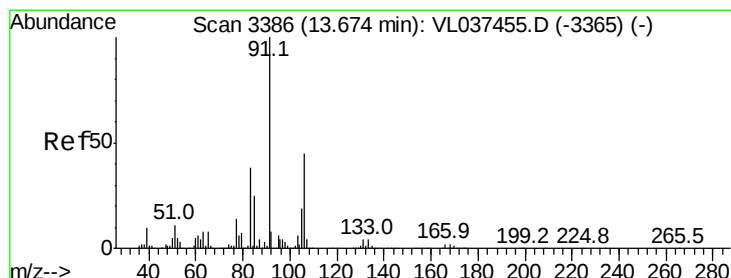
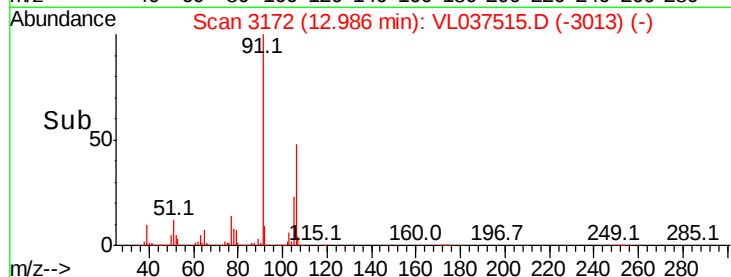
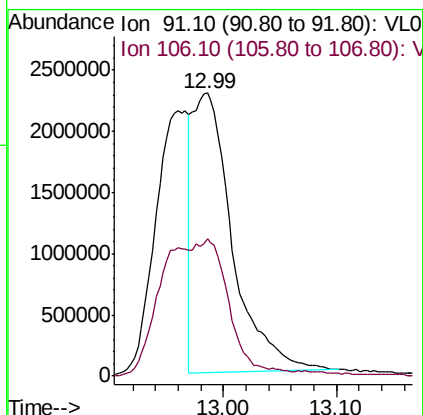
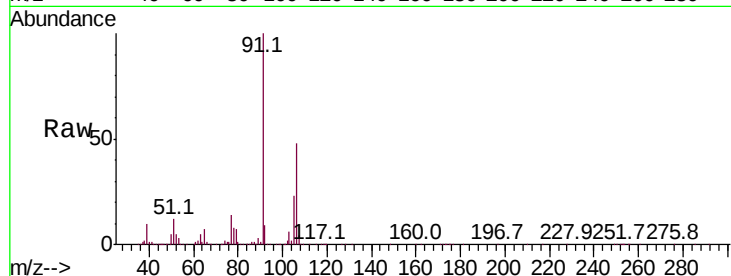
VSTDCCC010

Tot Ion: 91 Resp: 5524951

Ion Ratio Lower Upper

91 100

106 86.0 36.9 55.3#



#60

o-Xylene

Concen: 9.696 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL037515.D

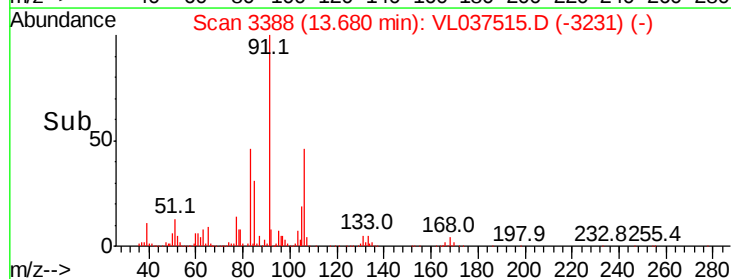
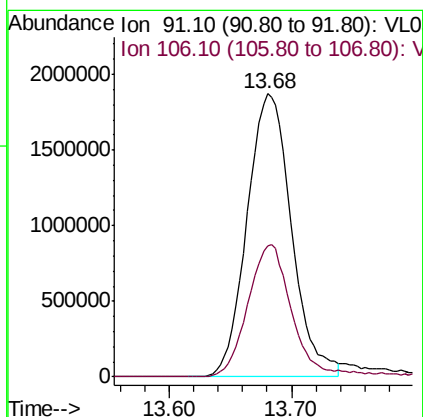
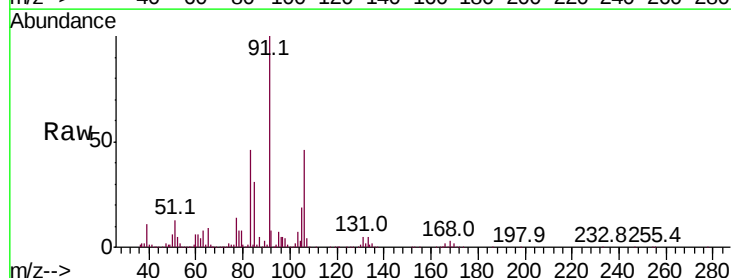
Acq: 3 Sep 2021 10:23

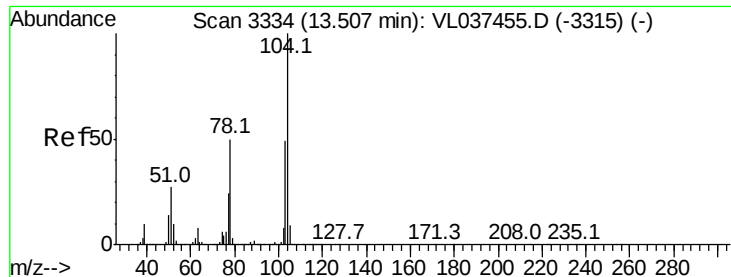
Tgt Ion: 91 Resp: 4712503

Ion Ratio Lower Upper

91 100

106 47.8 23.7 71.1





#61

Stvrene

Concen: 11.042 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

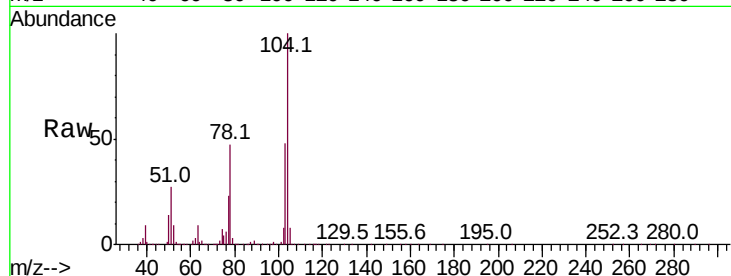
Tot Ion:104 Resp: 2787857

Ion Ratio Lower Upper

104 100

78 49.8 41.3 61.9

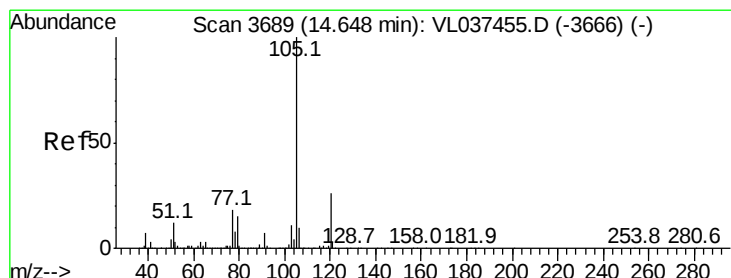
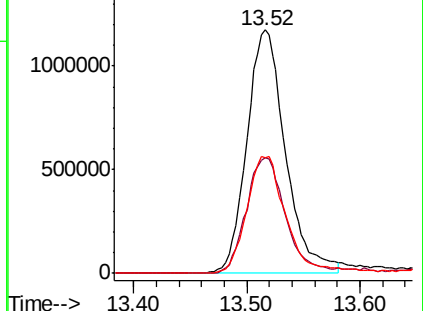
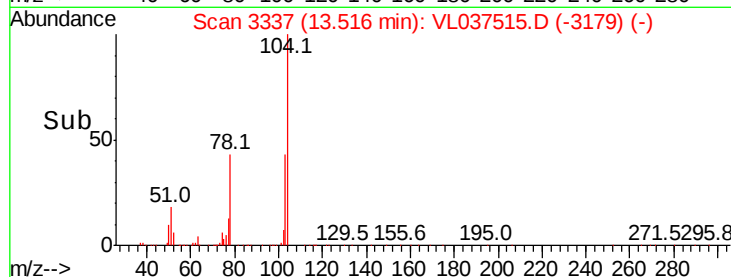
103 49.5 39.4 59.0



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: 9.826 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.01 min

Lab File: VL037515.D

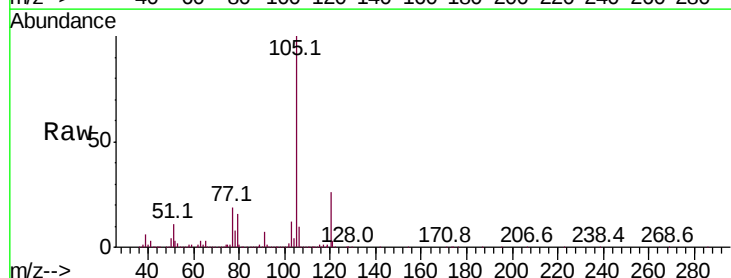
Acq: 3 Sep 2021 10:23

Tgt Ion:105 Resp: 6739813

Ion Ratio Lower Upper

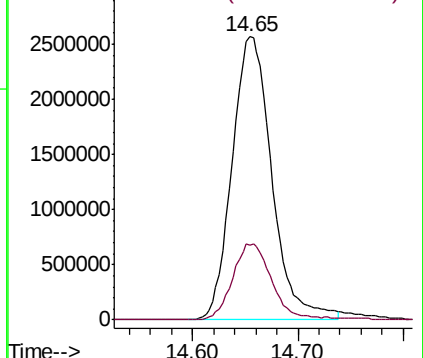
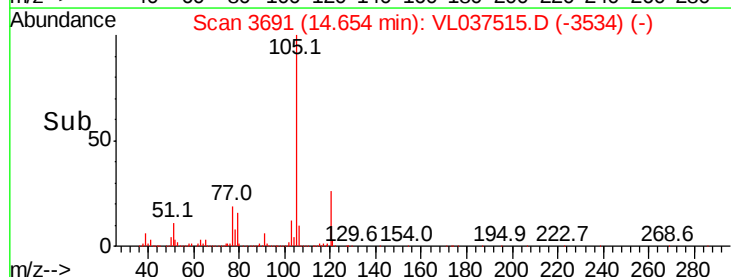
105 100

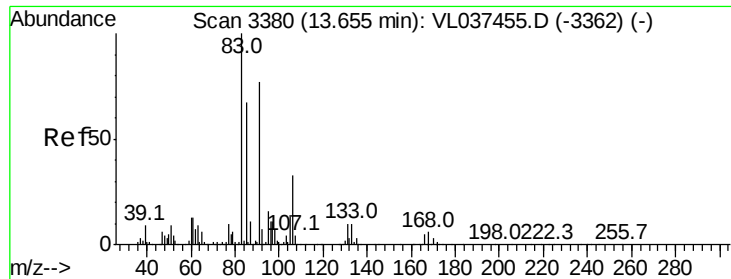
120 27.1 21.5 32.3



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: 9.669 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

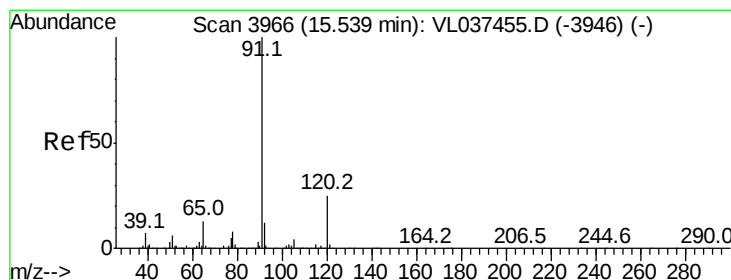
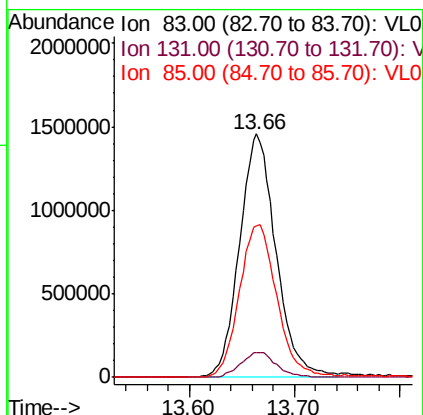
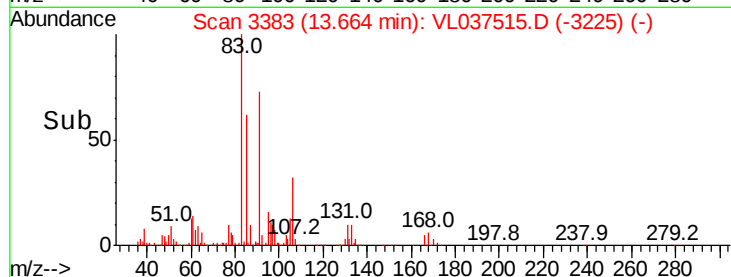
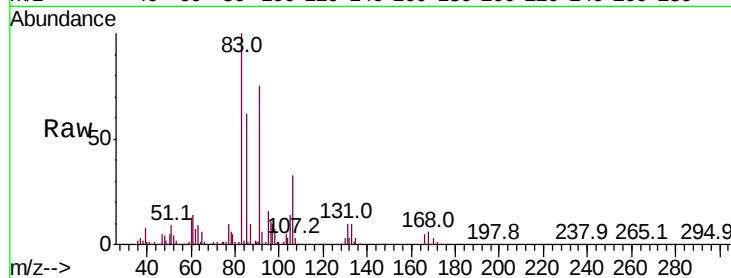
Tot Ion: 83 Resp: 3492570

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	65.5	33.8	101.3

83 100

131 10.2 5.0 15.0

85 65.5 33.8 101.3



#64

n-propylbenzene

Concen: 10.295 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.01 min

Lab File: VL037515.D

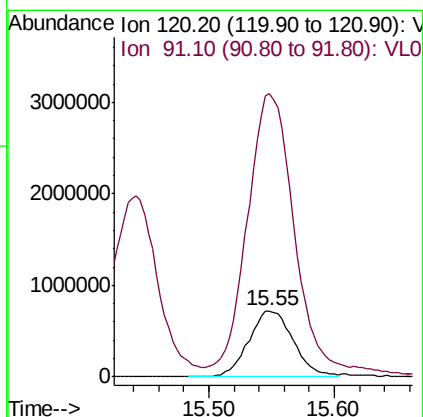
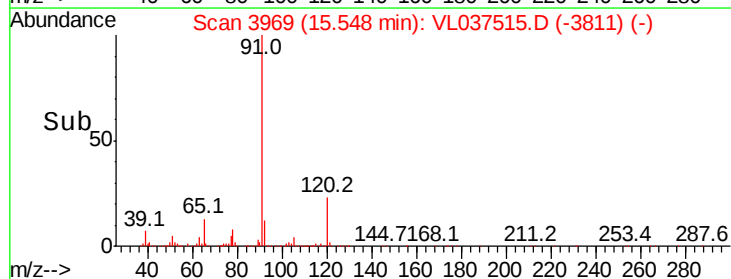
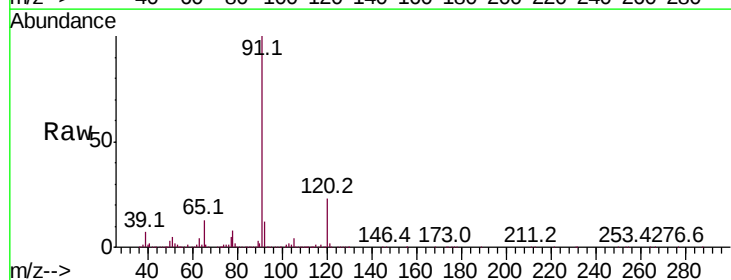
Acq: 3 Sep 2021 10:23

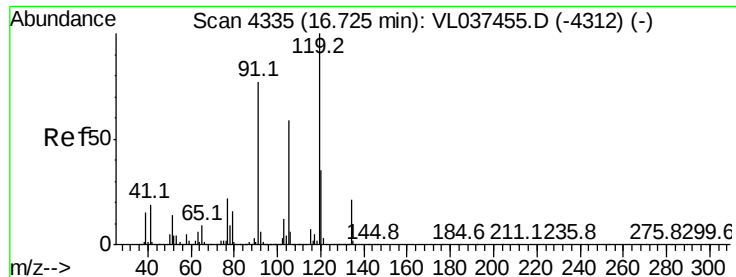
Tgt Ion: 120 Resp: 1797106

Ion	Ratio	Lower	Upper
120	100		
91	462.3	373.8	560.6

120 100

91 462.3 373.8 560.6

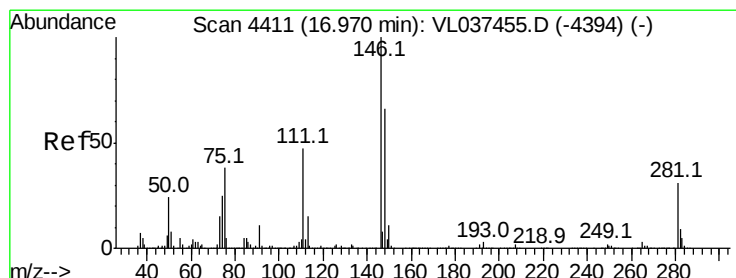
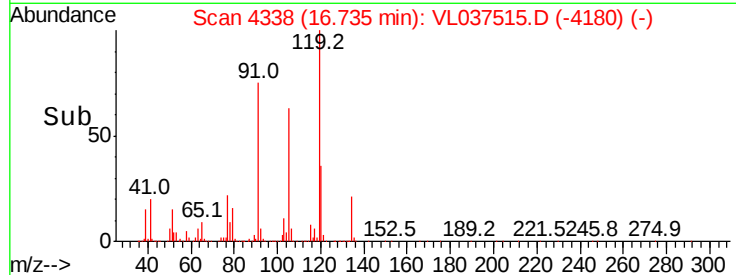
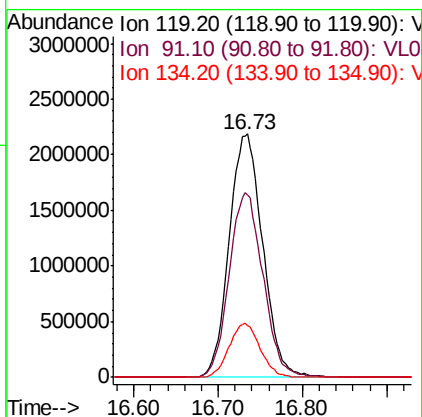
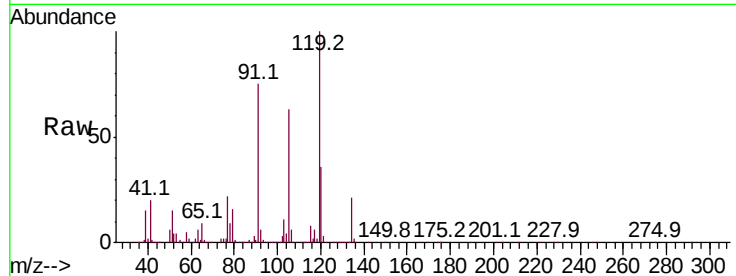




#65
tert-Butylbenzene
Concen: 9.687 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

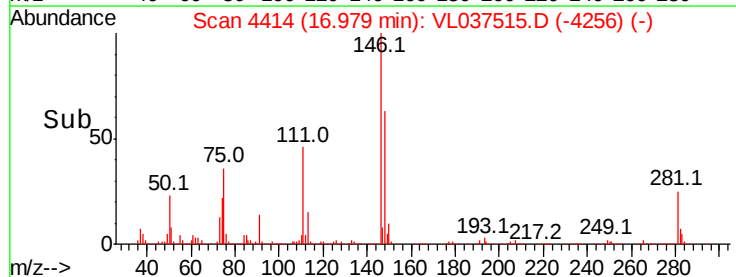
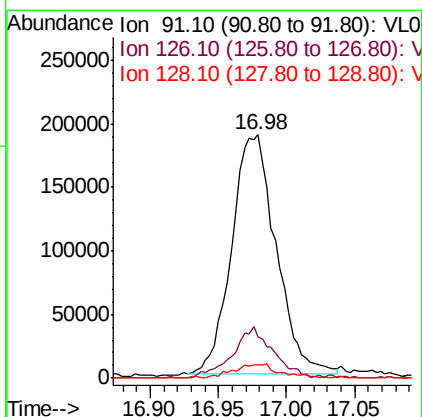
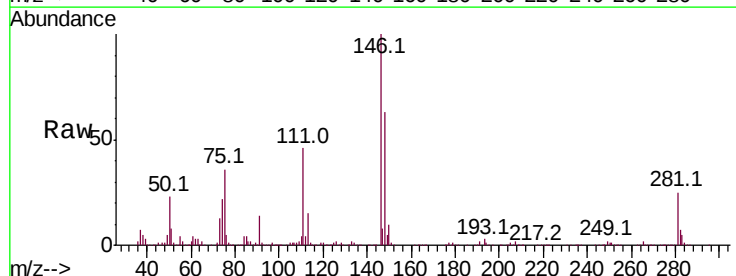
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

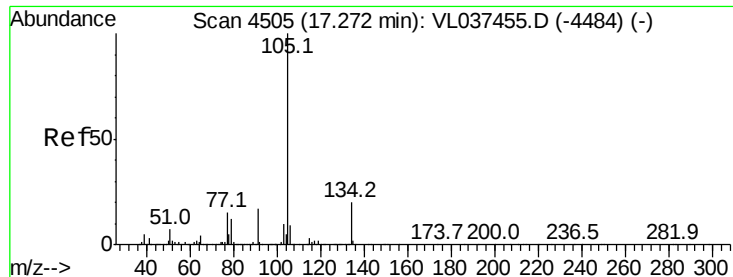
Tot Ion:119 Resp: 6051908
Ion Ratio Lower Upper
119 100
91 76.6 62.9 94.3
134 20.5 16.4 24.6



#66
Benzyl Chloride
Concen: 14.992 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL037515.D
Acq: 3 Sep 2021 10:23

Tgt Ion: 91 Resp: 423667
Ion Ratio Lower Upper
91 100
126 20.0 15.9 23.9
128 6.5 5.4 8.0





#67

sec-Butylbenzene

Concen: 9.588 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

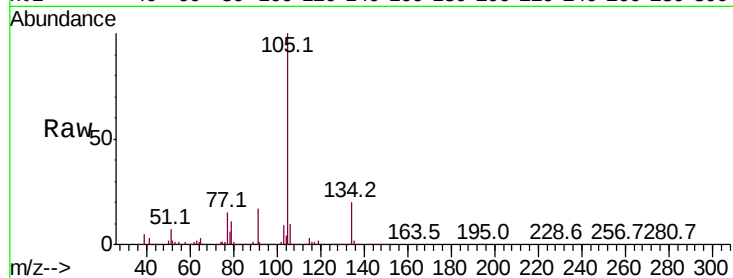
VSTDCCC010

Tot Ion:105 Resp: 8369518

Ion Ratio Lower Upper

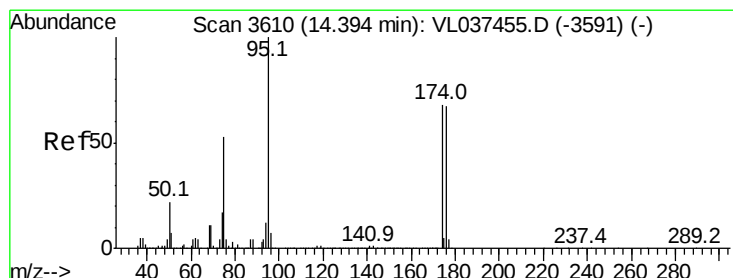
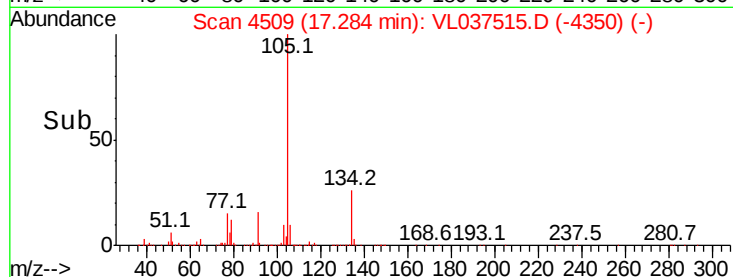
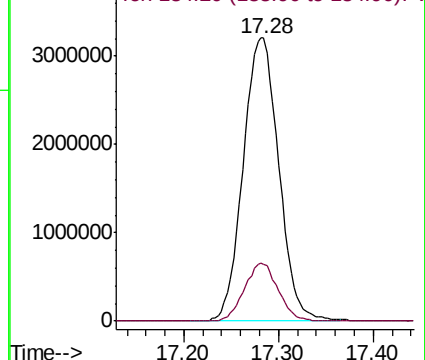
105 100

134 19.4 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.363 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

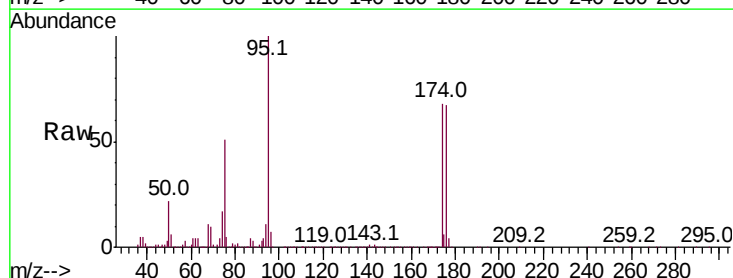
Tgt Ion: 95 Resp: 2879213

Ion Ratio Lower Upper

95 100

174 74.4 59.6 89.4

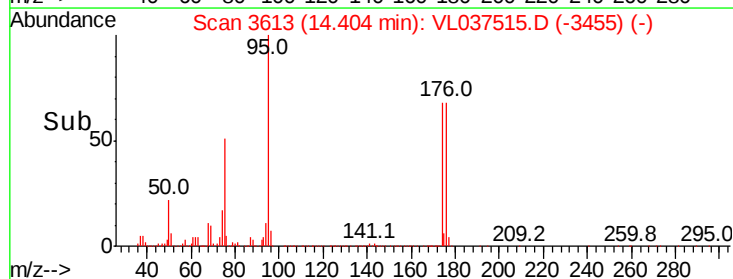
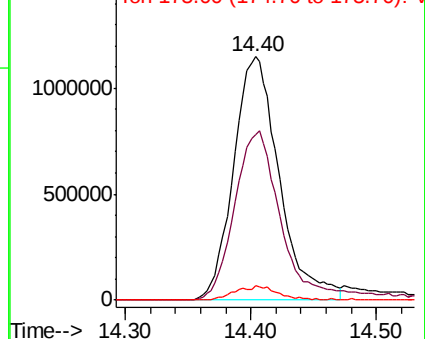
175 5.7 4.6 7.0

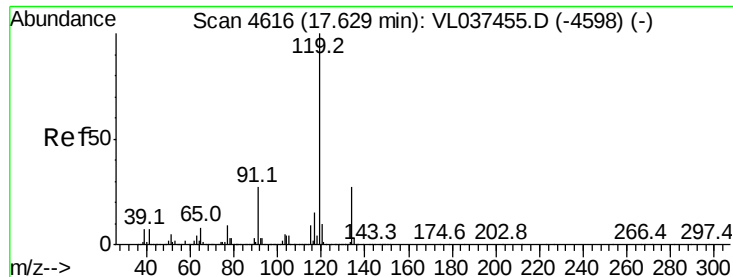


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

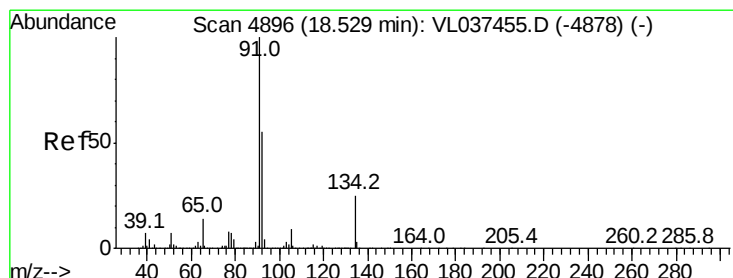
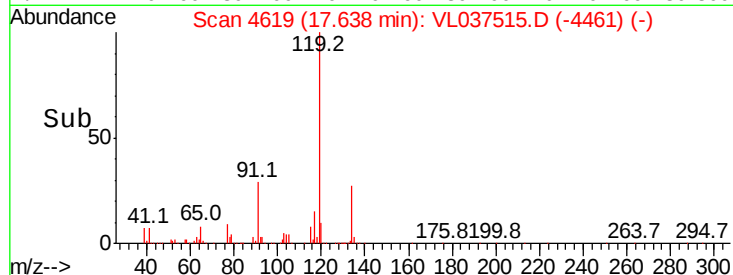
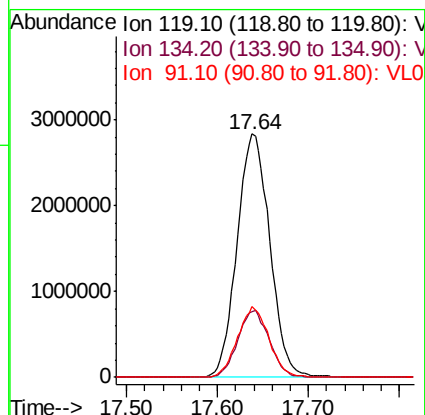
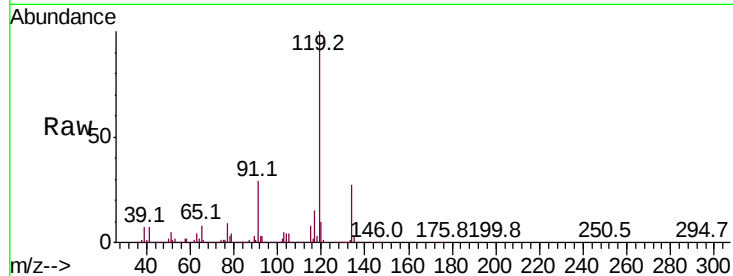




#69
 p-Isopropyltoluene
 Concen: 9.965 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

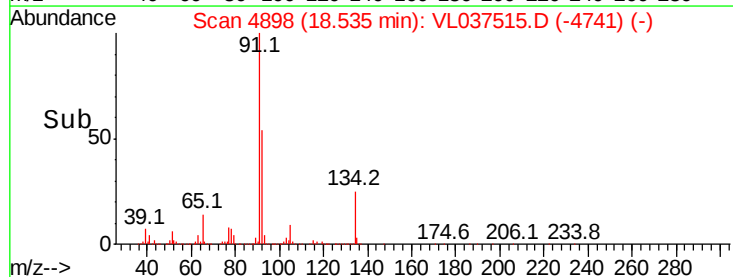
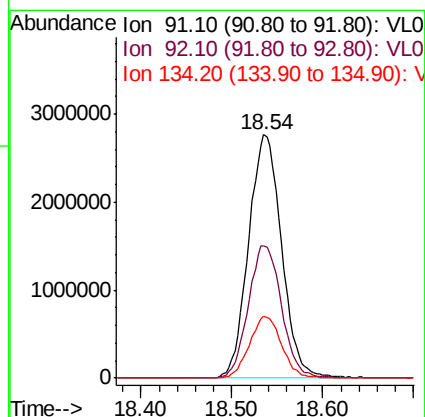
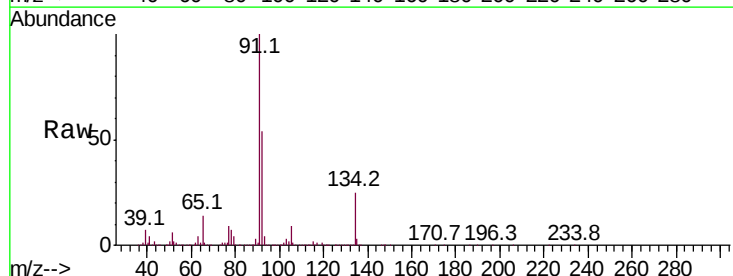
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

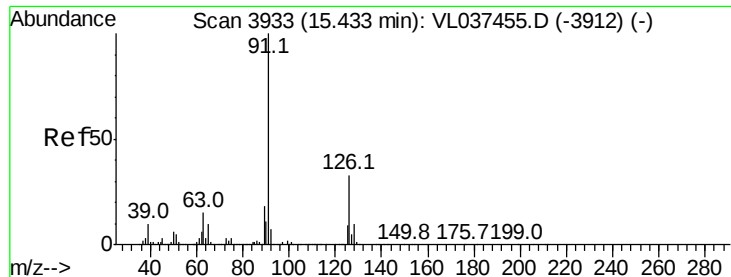
Tot Ion:119 Resp: 7088482
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.1 31.7
 91 27.8 22.4 33.6



#70
 n-Butylbenzene
 Concen: 10.236 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Tgt Ion: 91 Resp: 6957958
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.0 66.0
 134 24.9 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.907 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

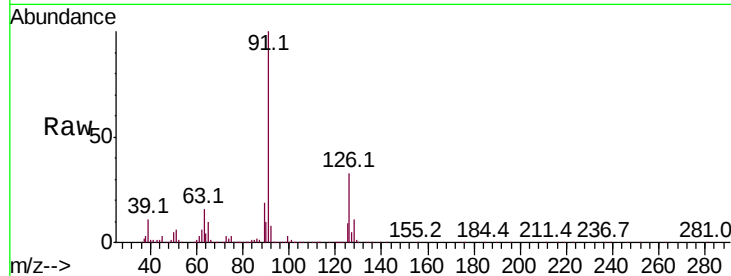
VSTDCCC010

Tot Ion: 91 Resp: 4983395

Ion Ratio Lower Upper

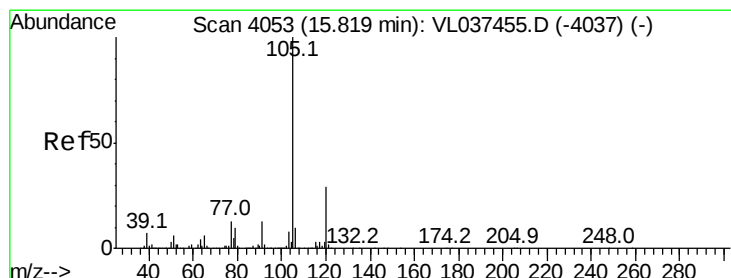
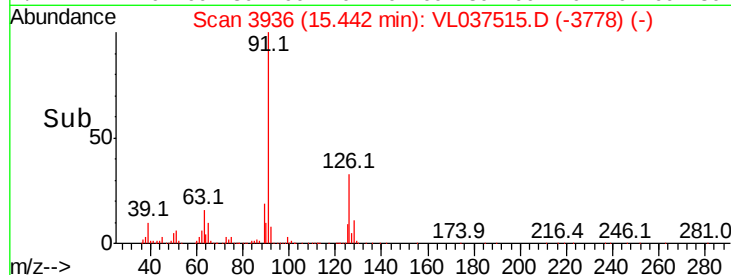
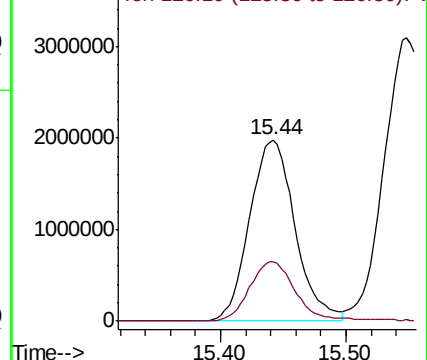
91 100

126 34.2 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.861 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion:105 Resp: 5700779

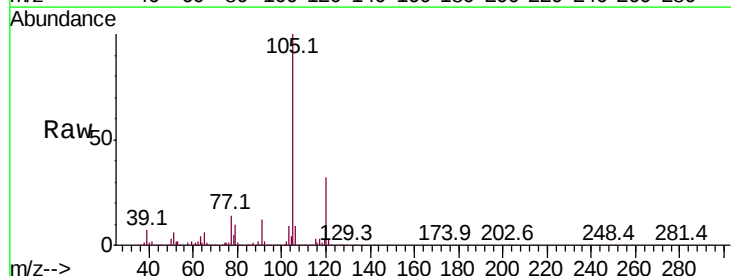
Ion Ratio Lower Upper

105 100

120 32.2 24.7 37.1

91 12.6 9.8 14.8

77 13.6 10.6 15.8

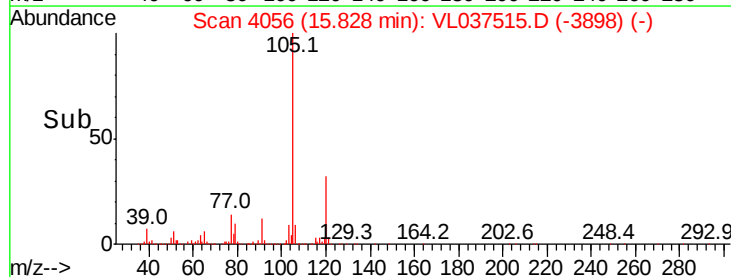
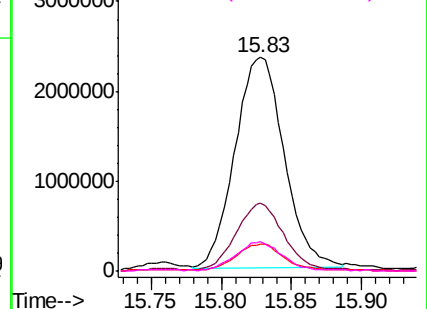


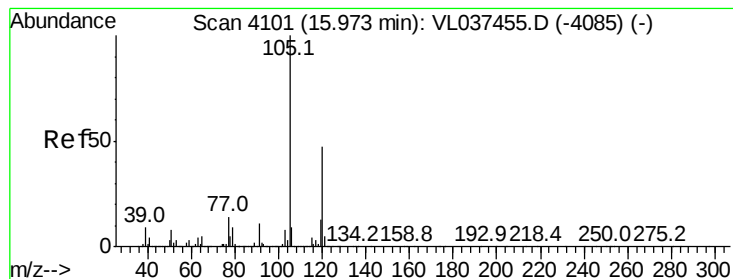
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.689 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

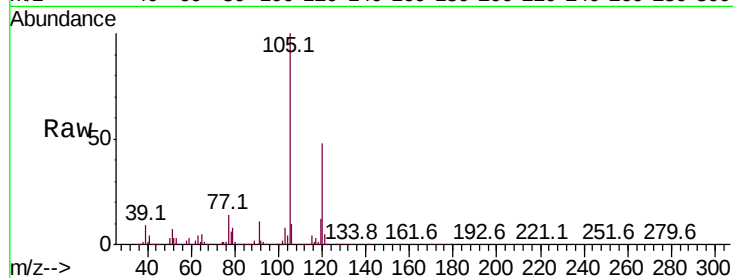
VSTDCCC010

Tot Ion:105 Resp: 5213987

Ion Ratio Lower Upper

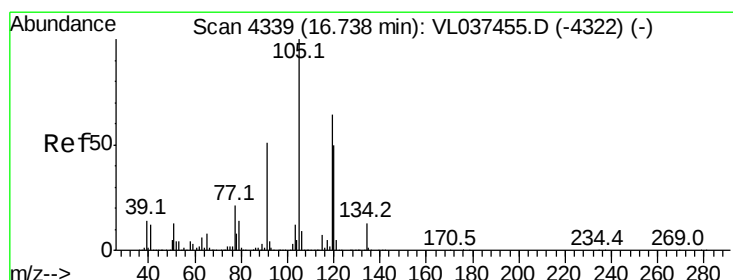
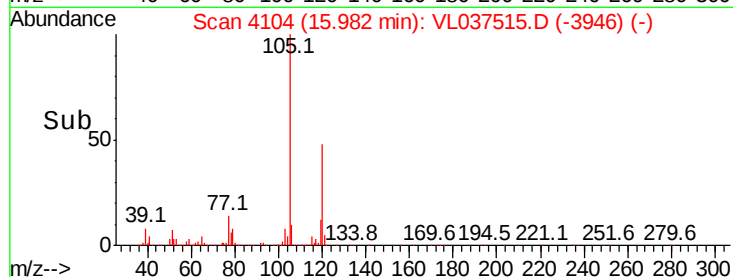
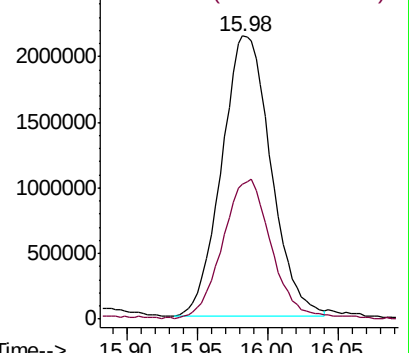
105 100

120 47.8 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: 9.626 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion:105 Resp: 5504712

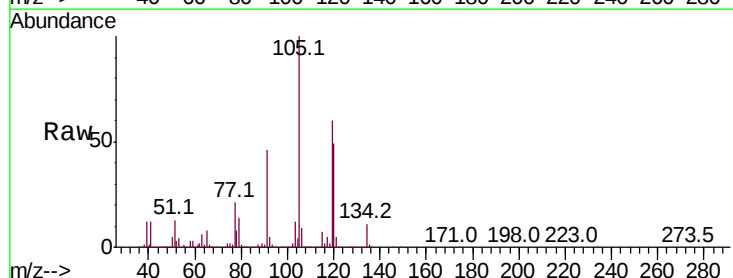
Ion Ratio Lower Upper

105 100

120 48.5 40.4 60.6

91 45.9 44.6 67.0

77 20.6 17.8 26.6

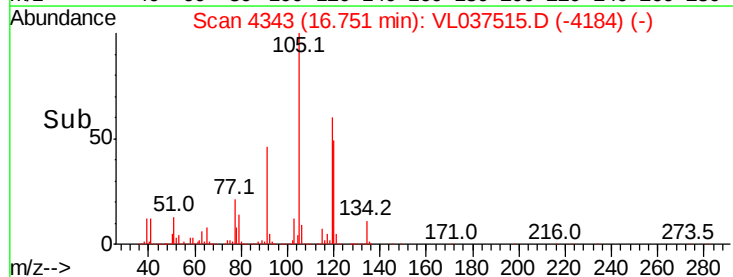
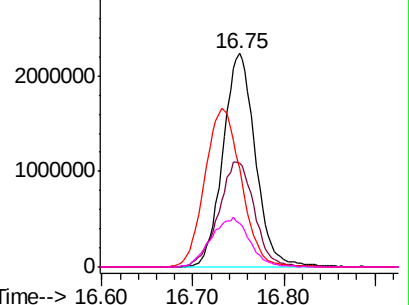


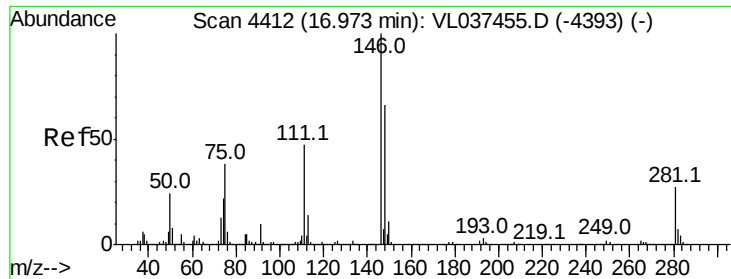
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.036 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

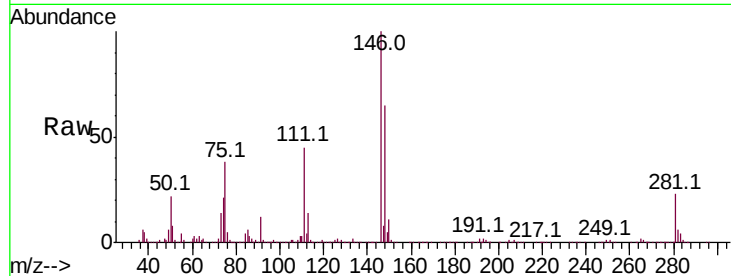
Tot Ion:146 Resp: 3454249

Ion Ratio Lower Upper

146 100

111 45.3 23.4 70.0

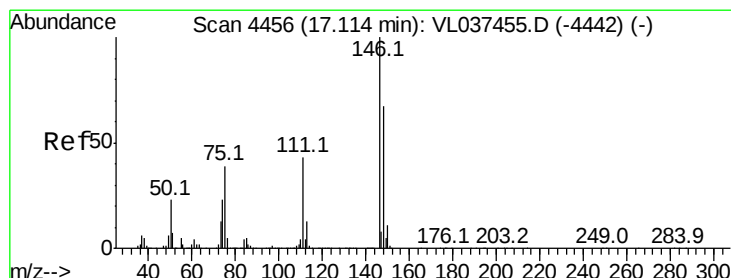
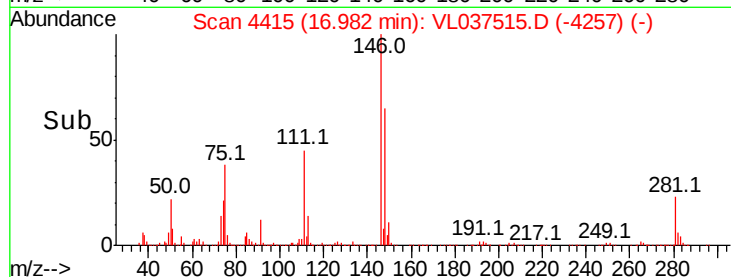
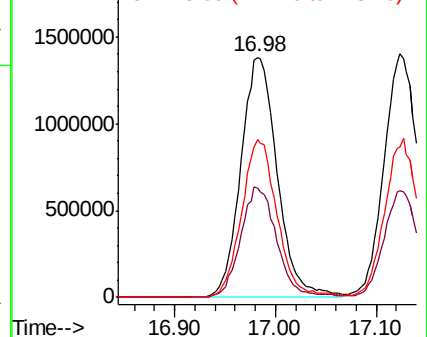
148 64.1 33.1 99.5



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: 9.724 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

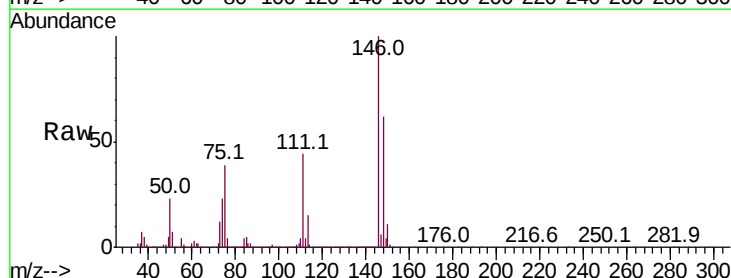
Tgt Ion:146 Resp: 3371618

Ion Ratio Lower Upper

146 100

111 45.2 22.1 66.5

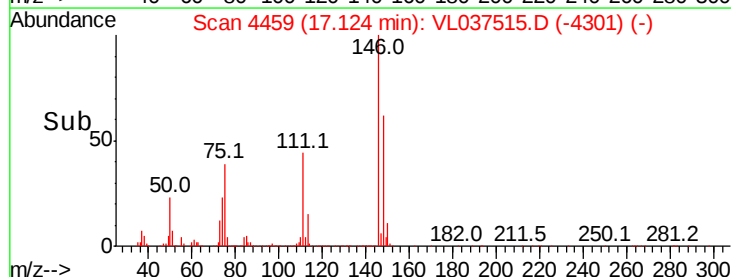
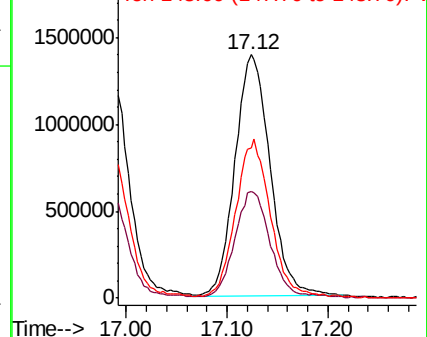
148 66.0 32.4 97.0

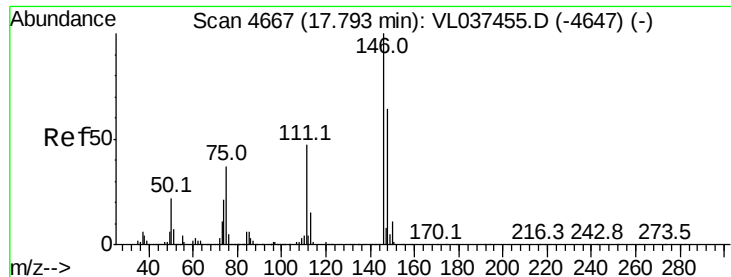


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.899 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

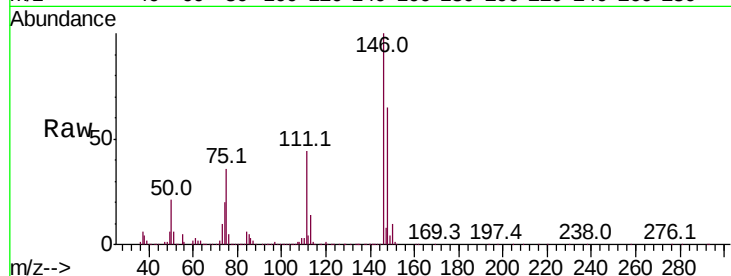
Tot Ion:146 Resp: 3355028

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

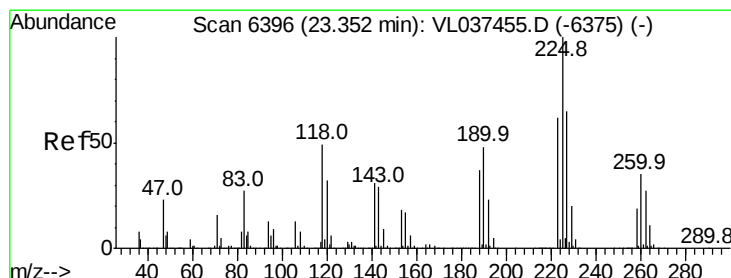
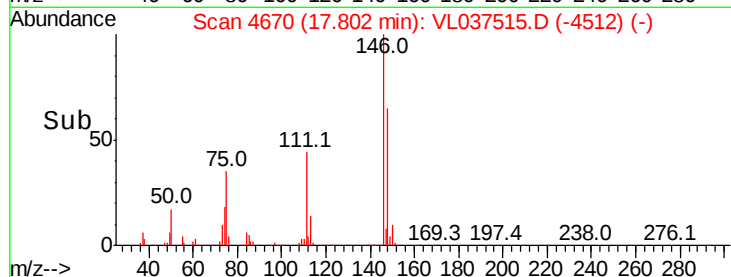
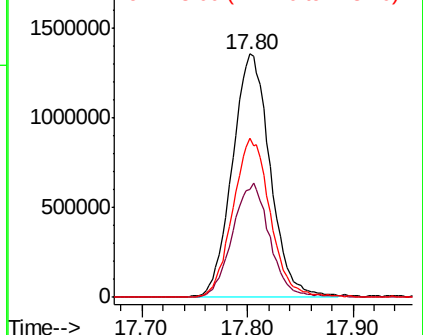
148 64.9 32.5 97.5



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: 9.042 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.01 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

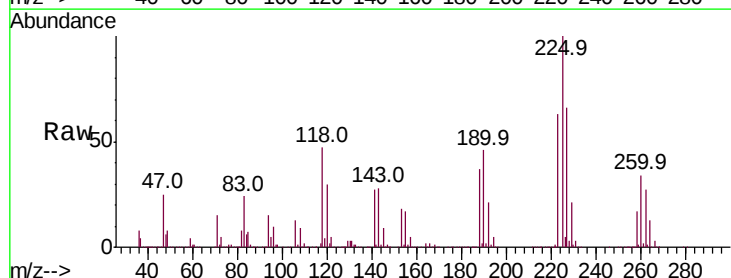
Tgt Ion:225 Resp: 2548072

Ion Ratio Lower Upper

225 100

223 64.5 51.4 77.0

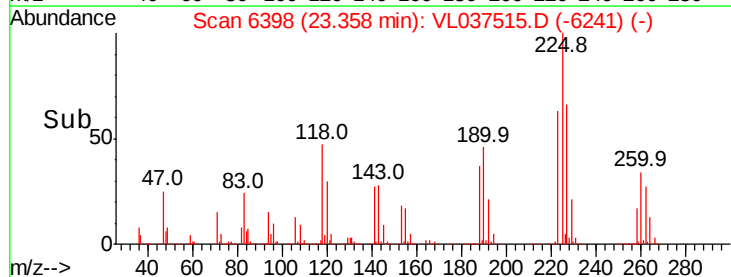
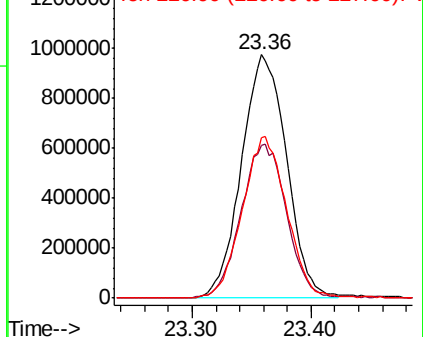
227 66.0 52.9 79.3

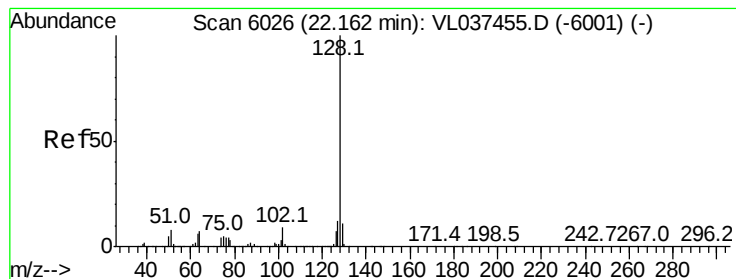


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.589 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.02 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Instrument :

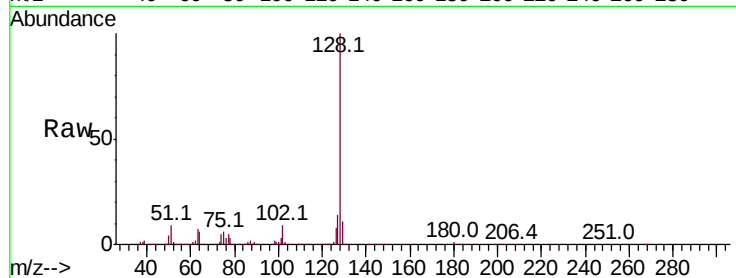
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 4434672

Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.4	14.2
129	10.5	8.8	13.2

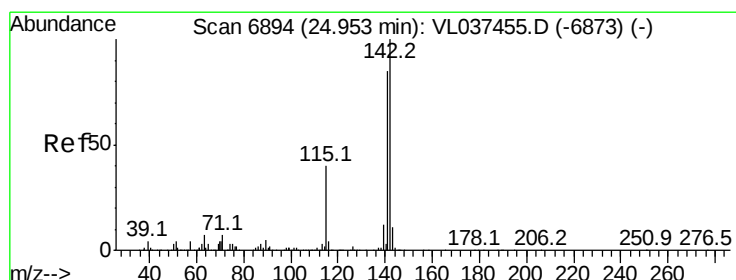
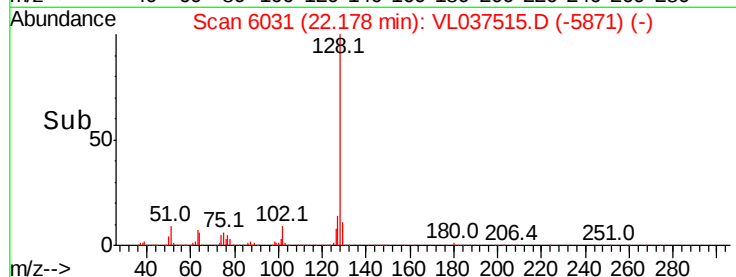


Abundance

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: 12.968 ppbv

RT: 24.96 min Scan# 6895

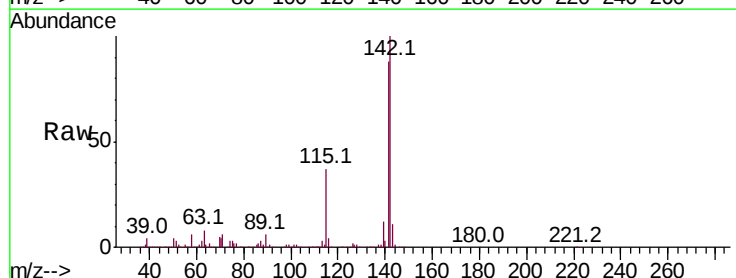
Delta R.T. 0.00 min

Lab File: VL037515.D

Acq: 3 Sep 2021 10:23

Tgt Ion:142 Resp: 1382543

Ion	Ratio	Lower	Upper
142	100		
141	89.5	64.7	97.1
115	38.9	28.4	42.6

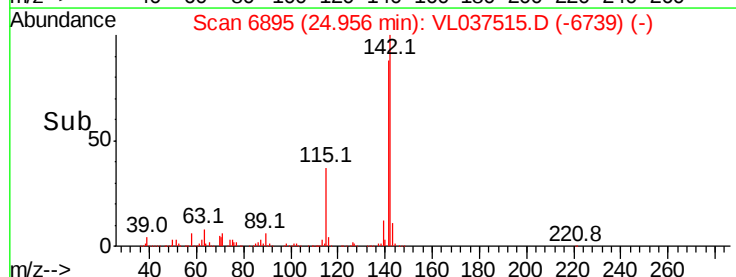


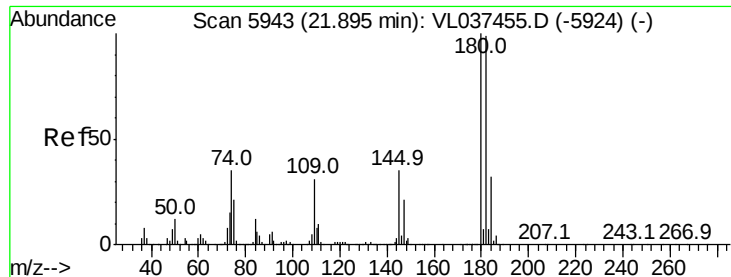
Abundance

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

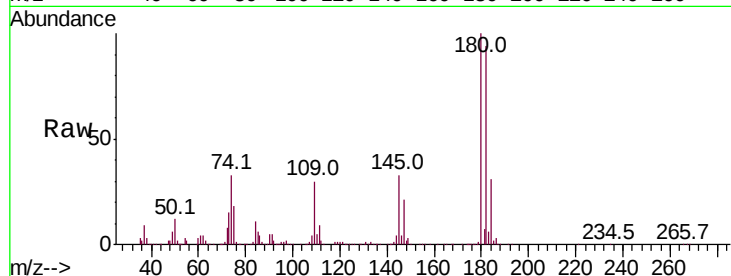




#81
 1,2,4-Trichlorobenzene
 Concen: 11.083 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL037515.D
 Acq: 3 Sep 2021 10:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 2661364
 Ion Ratio Lower Upper
 180 100
 182 96.1 79.6 119.4
 184 31.4 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V

