

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037592.D
 Acq On : 9 Sep 2021 4:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Sep 09 09:16:26 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	5.68	49	1631884	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4839831	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	5424415	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3172665	8.23	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2084730	7.962 ppbv	97
3) Chlorodifluoromethane	3.00	51	2747010	8.791 ppbv	98
4) Chloromethane	3.15	50	939247	8.411 ppbv	98
5) Vinyl Chloride	3.27	62	970704	8.485 ppbv	98
6) Bromomethane	3.48	94	423058	6.751 ppbv	98
7) Chloroethane	3.57	64	325457	8.335 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2154773	7.972 ppbv	98
9) Propene	3.02	41	937170	8.382 ppbv	97
10) Heptane	8.14	43	2437431	9.471 ppbv	97
11) Trichlorofluoromethane	3.96	101	1928837	7.848 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1450983	8.045 ppbv	99
13) Ethanol	3.62	45	65368	6.008 ppbv #	41
14) Bromoethene	3.75	108	643358	7.857 ppbv	96
15) Acetone	3.86	43	1178970	7.099 ppbv	99
16) 1,3-Butadiene	3.34	39	998940	9.377 ppbv	92
17) tert-Butyl alcohol	4.29	59	1246421	8.216 ppbv	97
18) 1,1-Dichloroethene	4.30	96	669400	8.171 ppbv	99
19) Isopropyl Alcohol	3.98	45	745536	7.836 ppbv #	98
20) Methylene Chloride	4.35	84	578709	6.960 ppbv	97
21) Allyl Chloride	4.42	41	990636	7.344 ppbv	92
22) trans-1,2-Dichloroethene	4.90	96	632143	7.734 ppbv	98
23) Vinyl Acetate	5.09	43	1614114	6.594 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1355533	7.635 ppbv	100
25) Ethyl Acetate	5.69	43	3568300	8.463 ppbv	99
26) Hexane	5.70	57	1776623	8.619 ppbv	95
27) Carbon Disulfide	4.56	76	1525804	8.306 ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	1374076	6.940 ppbv	100
29) Chloroform	5.76	83	2405103	8.233 ppbv	100
30) Cyclohexane	7.14	84	1498188	8.723 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1567009	8.399 ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2296754	8.002 ppbv	99
34) 2-Butanone	5.26	43	1531552	7.749 ppbv	93
35) Carbon Tetrachloride	7.03	117	2306409	8.064 ppbv	99
36) Benzene	6.91	78	3668639	9.017 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1722915	8.549 ppbv	99
38) Trichloroethene	7.85	130	1432661	8.582 ppbv	95
39) 1,2-Dichloropropane	7.63	63	1413262	9.040 ppbv	98
40) 1,4-Dioxane	7.85	88	109087	2.848 ppbv #	100
41) Tetrahydrofuran	6.07	42	840046	8.823 ppbv	97
42) Bromodichloromethane	7.81	83	2562122	8.694 ppbv	97
43) Methyl Methacrylate	8.03	69	1395835	9.843 ppbv	100

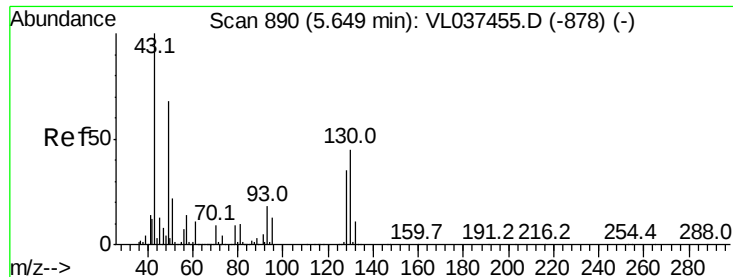
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037592.D
 Acq On : 9 Sep 2021 4:37
 Operator : SY/AP
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Quant Time: Sep 09 09:16:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6109513	8.922	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	860512	8.061	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1290983	8.669	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1472336	8.716	ppbv	99
48) Dibromochloromethane	10.32	129	2265663	9.320	ppbv	99
49) Bromoform	13.05	173	1880766	9.815	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2482338	9.628	ppbv	99
51) 2-Hexanone	10.15	43	1281739	10.808	ppbv	99
52) Tetrachloroethene	11.24	164	1377750	8.264	ppbv	97
53) Toluene	9.82	91	4278200	9.209	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2054895	8.714	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1617543	7.156	ppbv #	55
57) Chlorobenzene	12.16	112	3103831	6.895	ppbv	99
58) Ethyl Benzene	12.73	91	5437475	7.223	ppbv	98
59) m/p-Xylene	13.01	91	5043179	7.728	ppbv #	44
60) o-Xylene	13.71	91	4328779	7.107	ppbv	99
61) Styrene	13.55	104	2320749	7.335	ppbv	99
62) Isopropylbenzene	14.68	105	6218188	7.234	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3074083	6.791	ppbv	99
64) n-propylbenzene	15.58	120	1591863	7.277	ppbv	95
65) tert-Butylbenzene	16.76	119	5387047	6.881	ppbv	98
66) Benzyl Chloride	17.00	91	137719	3.889	ppbv	97
67) sec-Butylbenzene	17.31	105	7485065	6.842	ppbv	100
69) p-Isopropyltoluene	17.66	119	6312938	7.082	ppbv	99
70) n-Butylbenzene	18.56	91	6190224	7.266	ppbv	99
71) 2-Chlorotoluene	15.47	91	4334275	6.876	ppbv	98
72) 4-Ethyltoluene	15.85	105	5148532	7.107	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4616360	6.845	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4779156	6.669	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	3075033	7.129	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3013108	6.934	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3040400	7.158	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	2494686	7.064	ppbv	98
79) Naphthalene	22.21	128	4282303	8.930	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1372287	10.271	ppbv	93
81) 1,2,4-Trichlorobenzene	21.94	180	2561314	8.511	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037592.D

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

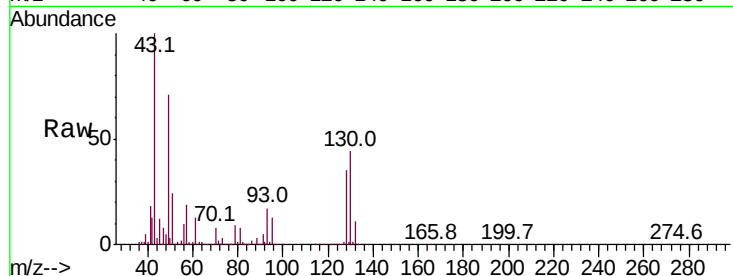
Tot Ion: 49 Resp: 1631884

Ion Ratio Lower Upper

49 100

128 55.4 27.5 82.4

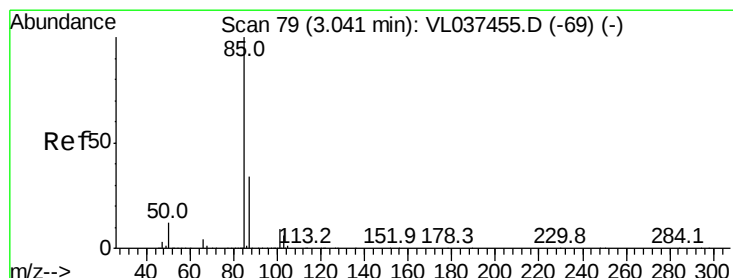
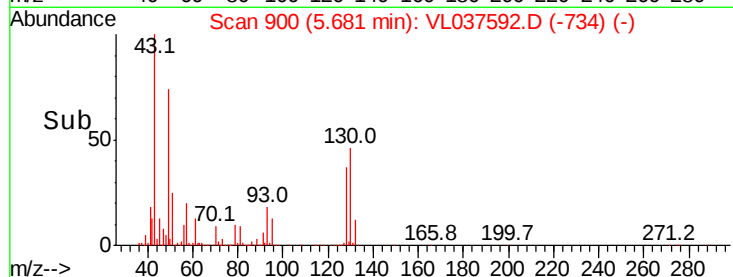
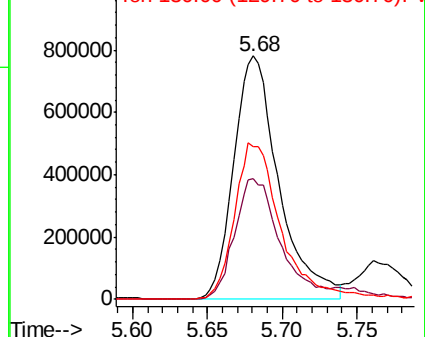
130 68.3 34.0 101.8



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: 7.962 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037592.D

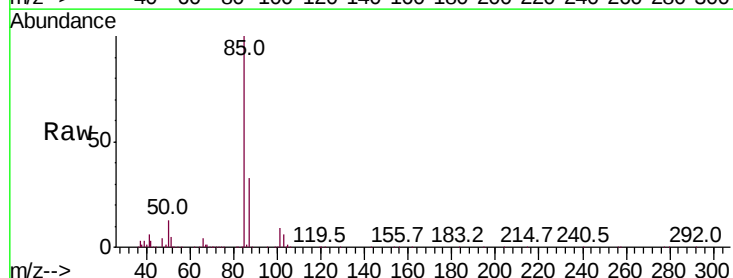
Acq: 9 Sep 2021 4:37

Tgt Ion: 85 Resp: 2084730

Ion Ratio Lower Upper

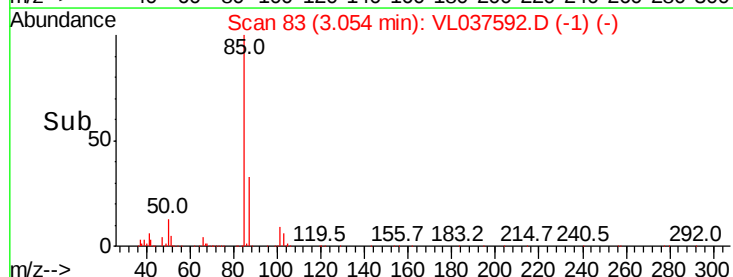
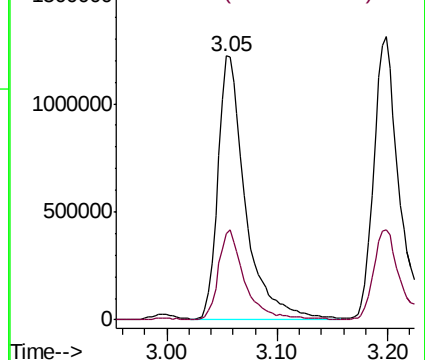
85 100

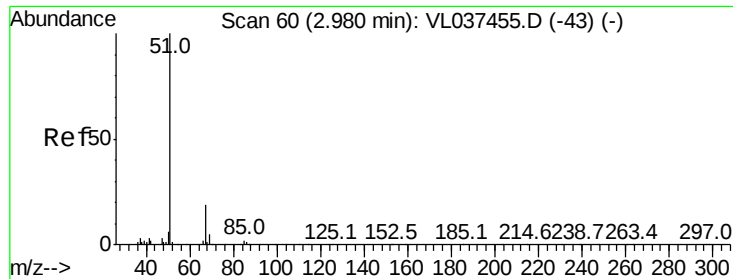
87 32.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.791 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

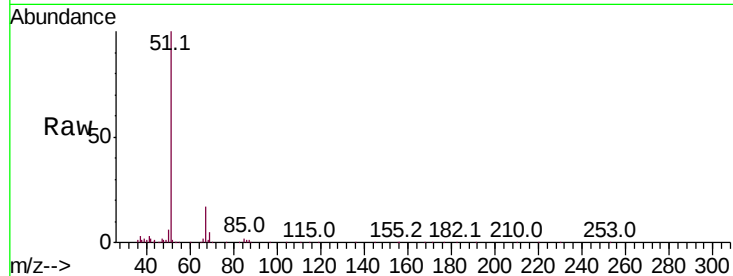
VSTDCCC010EC

Tot Ion: 51 Resp: 2747010

Ion Ratio Lower Upper

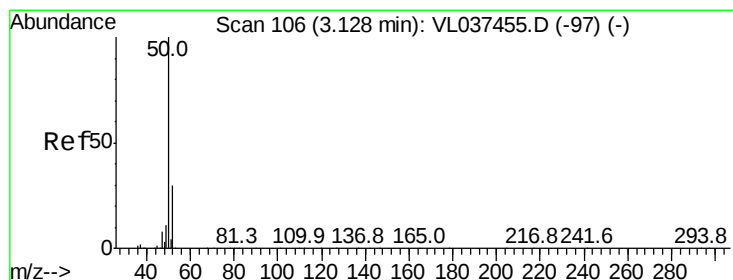
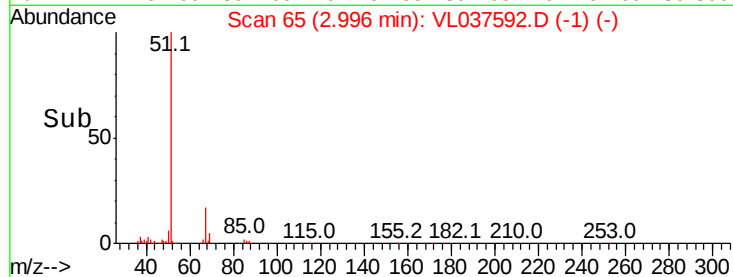
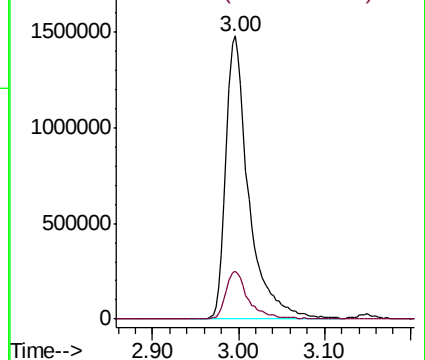
51 100

67 16.9 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.411 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037592.D

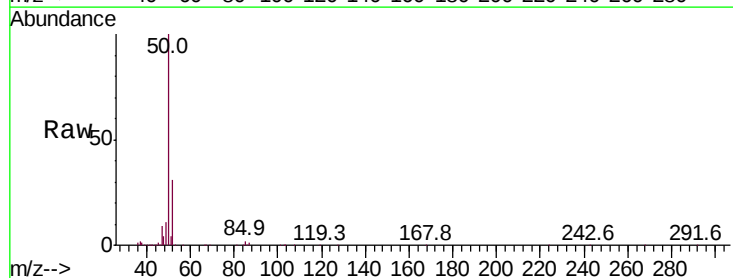
Acq: 9 Sep 2021 4:37

Tgt Ion: 50 Resp: 939247

Ion Ratio Lower Upper

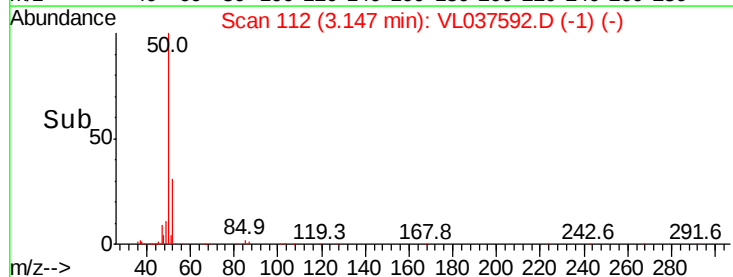
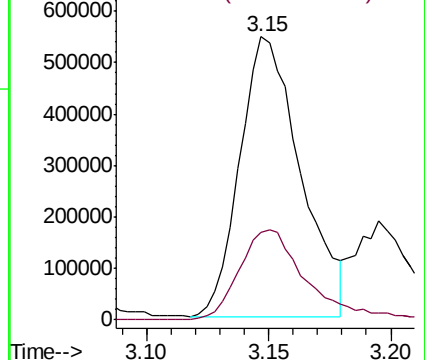
50 100

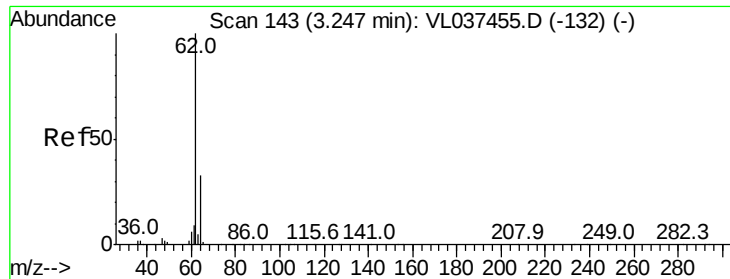
52 31.1 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.485 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

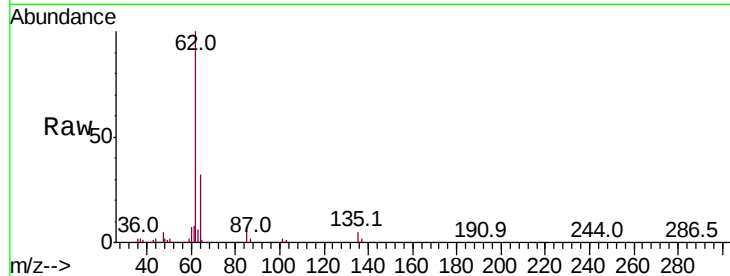
VSTDCCC010EC

Tot Ion: 62 Resp: 970704

Ion Ratio Lower Upper

62 100

64 31.9 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

600000

500000

400000

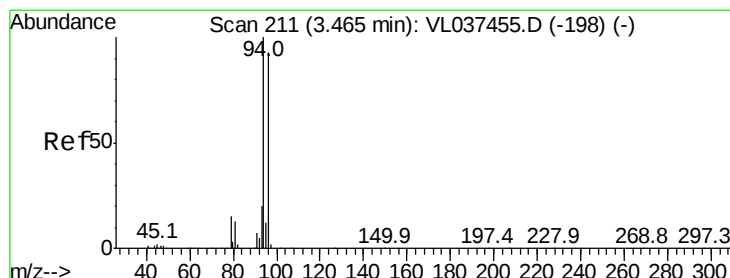
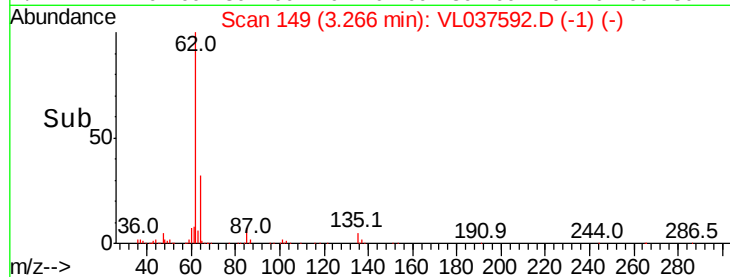
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 6.751 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037592.D

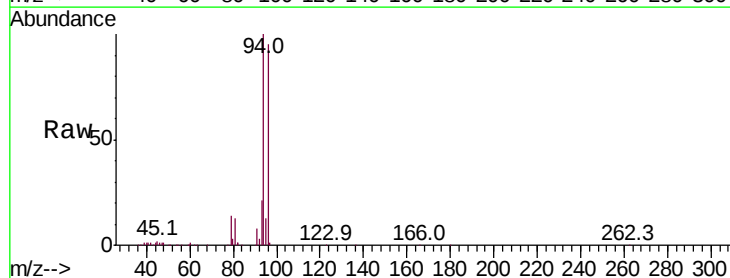
Acq: 9 Sep 2021 4:37

Tgt Ion: 94 Resp: 423058

Ion Ratio Lower Upper

94 100

96 95.1 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

250000

200000

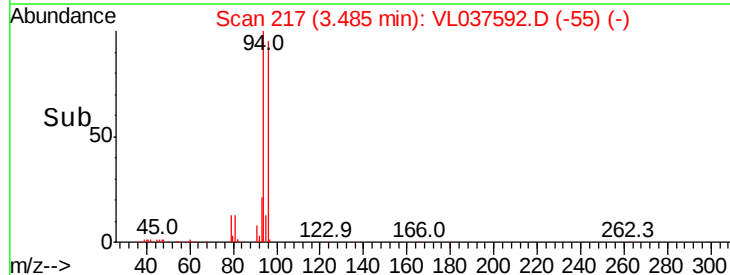
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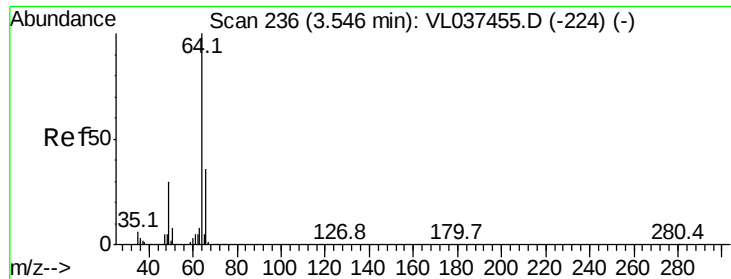
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.335 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

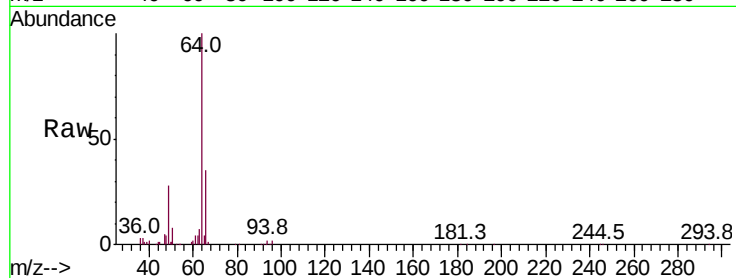
VSTDCCC010EC

Tot Ion: 64 Resp: 325457

Ion Ratio Lower Upper

64 100

66 34.7 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

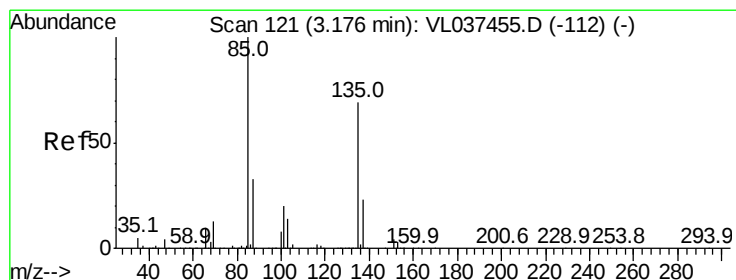
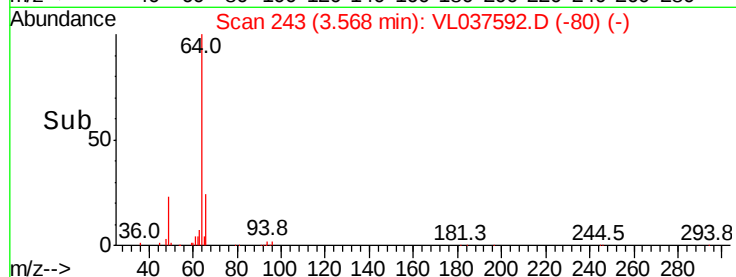
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 7.972 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL037592.D

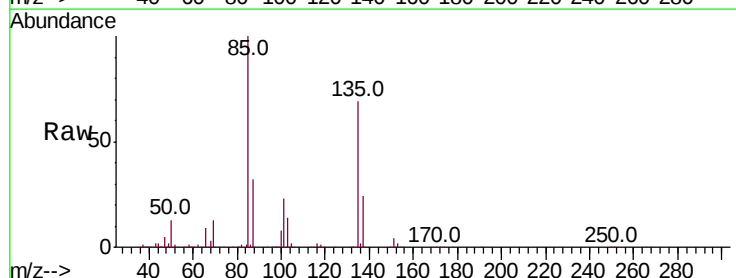
Acq: 9 Sep 2021 4:37

Tgt Ion: 85 Resp: 2154773

Ion Ratio Lower Upper

85 100

135 74.9 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

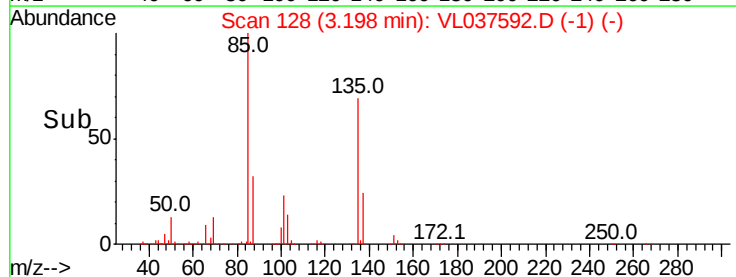
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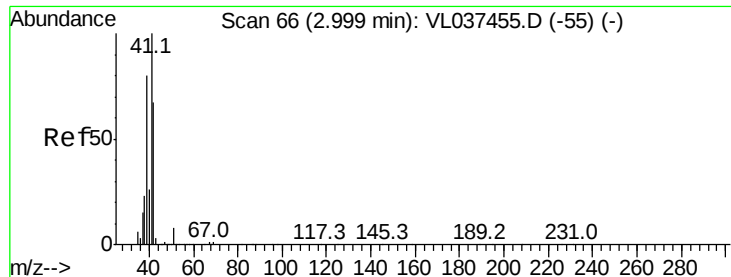
1000000

500000

0

Time-->





#9

Propene

Concen: 8.382 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

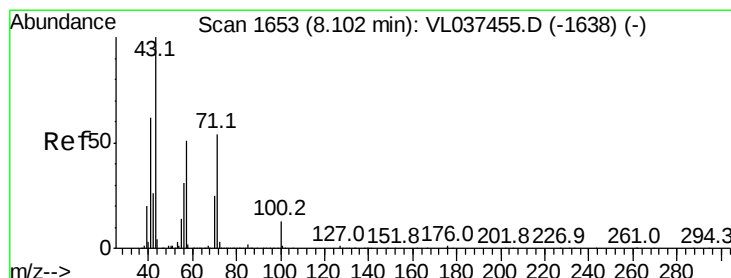
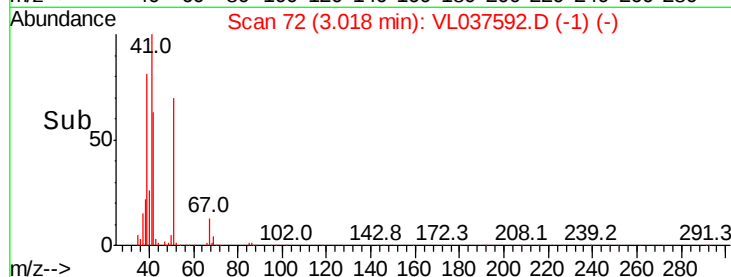
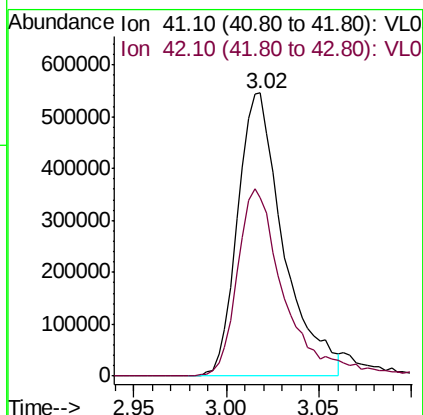
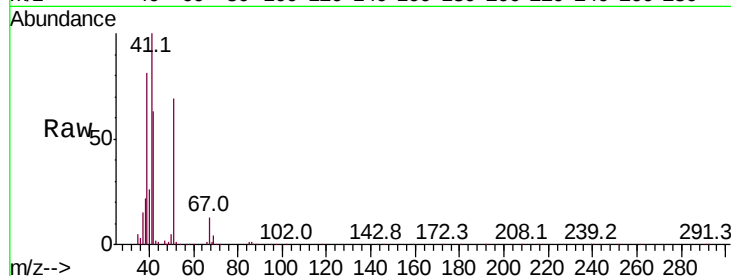
VSTDCCC010EC

Tot Ion: 41 Resp: 937170

Ion Ratio Lower Upper

41 100

42 69.2 53.7 80.5



#10

Heptane

Concen: 9.471 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037592.D

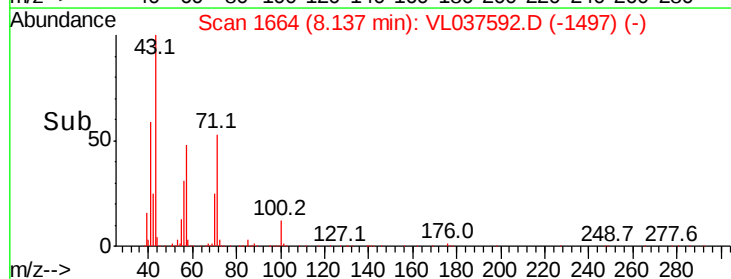
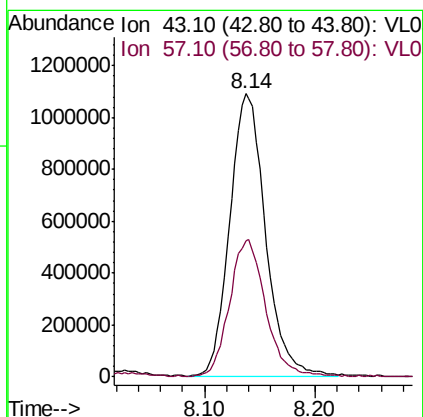
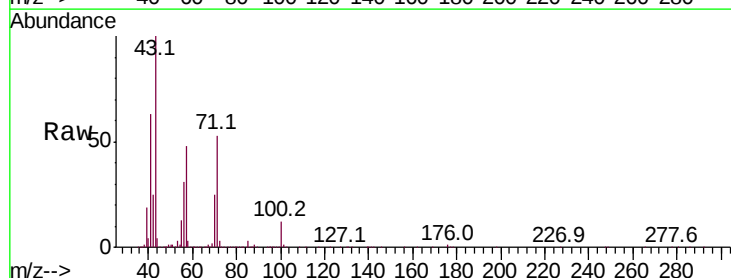
Acq: 9 Sep 2021 4:37

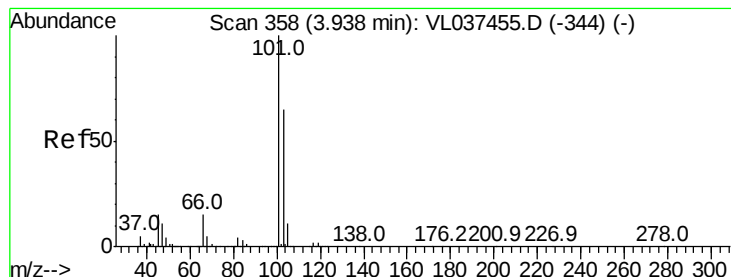
Tgt Ion: 43 Resp: 2437431

Ion Ratio Lower Upper

43 100

57 49.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 7.848 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

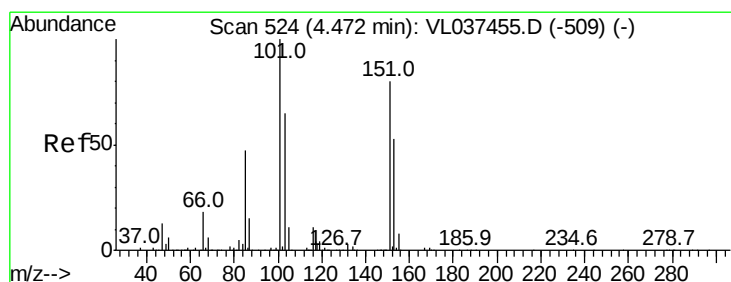
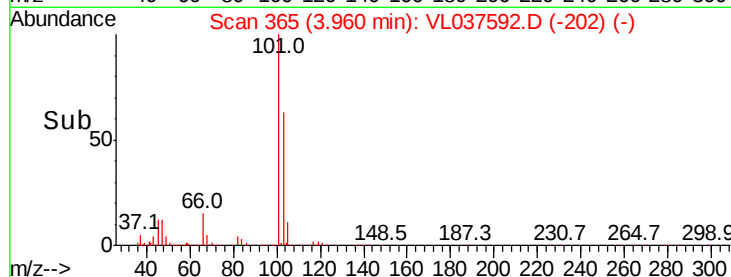
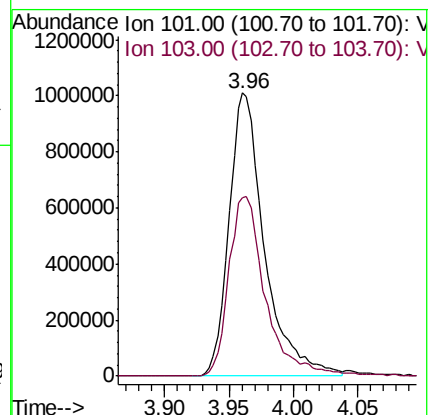
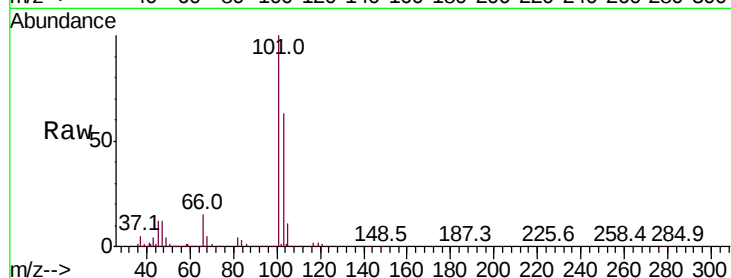
VSTDCCC010EC

Tot Ion:101 Resp: 1928837

Ion Ratio Lower Upper

101 100

103 63.1 51.8 77.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.045 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL037592.D

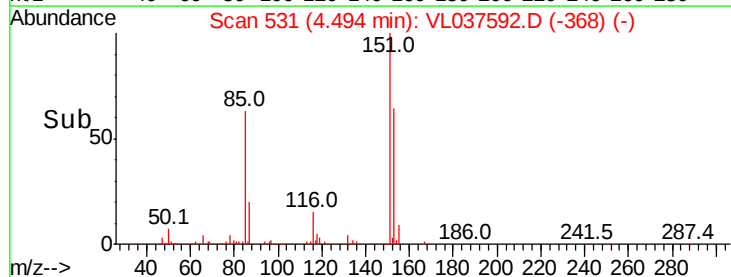
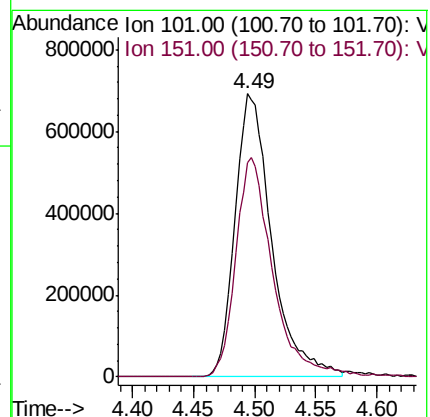
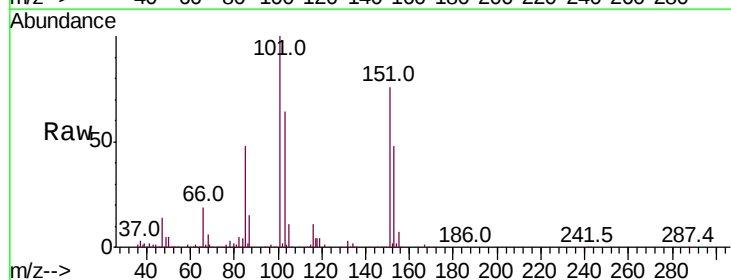
Acq: 9 Sep 2021 4:37

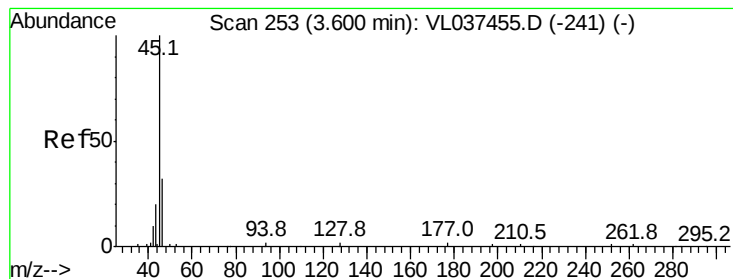
Tgt Ion:101 Resp: 1450983

Ion Ratio Lower Upper

101 100

151 78.6 63.7 95.5





#13

Ethanol

Concen: 6.008 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

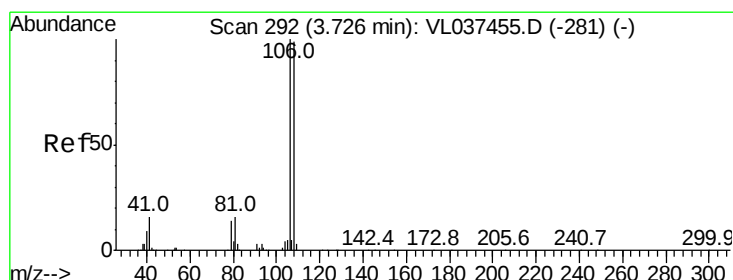
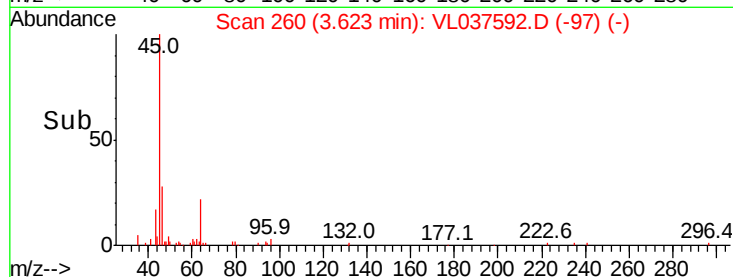
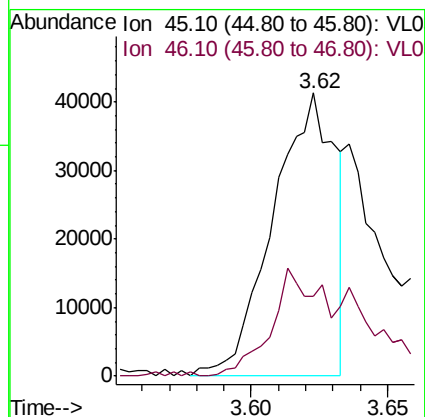
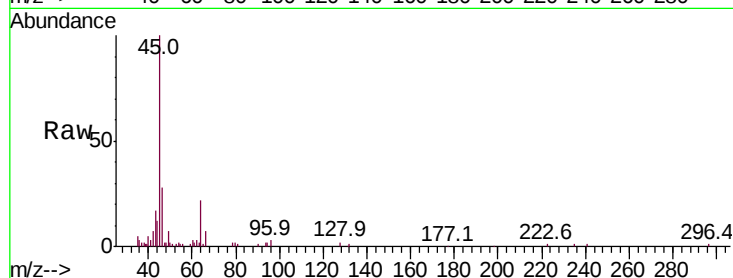
VSTDCCC010EC

Tot Ion: 45 Resp: 65368

Ion Ratio Lower Upper

45 100

46 69.7 14.1 56.5#



#14

Bromoethene

Concen: 7.857 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

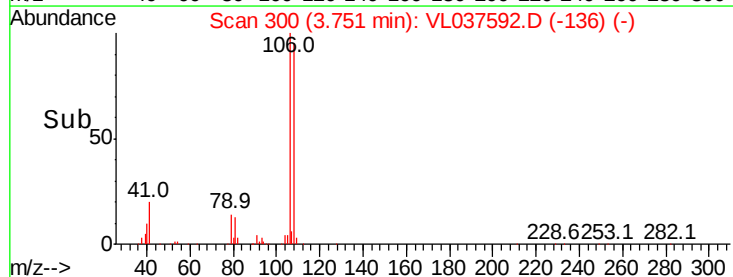
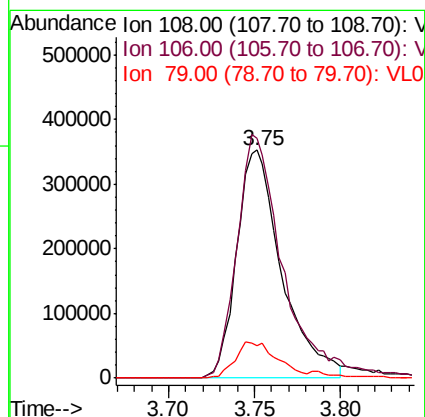
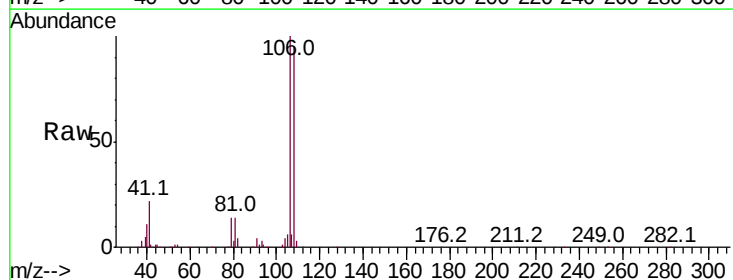
Tgt Ion: 108 Resp: 643358

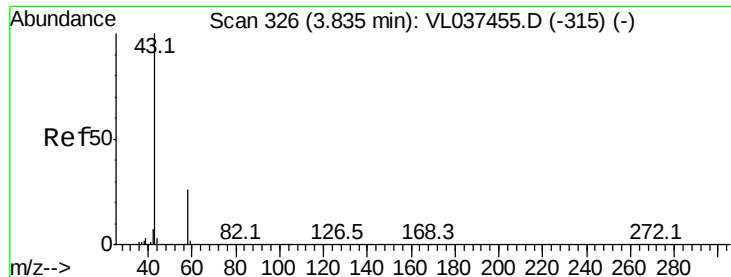
Ion Ratio Lower Upper

108 100

106 111.4 85.8 128.8

79 17.0 12.6 18.8





#15

Acetone

Concen: 7.099 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

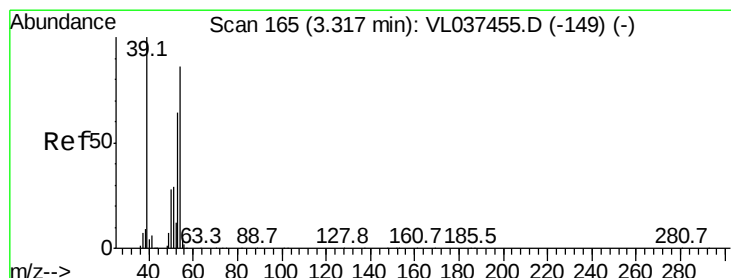
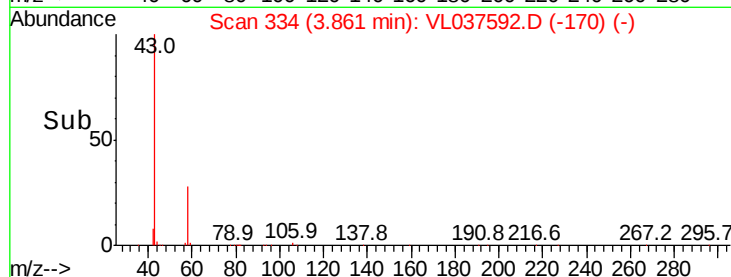
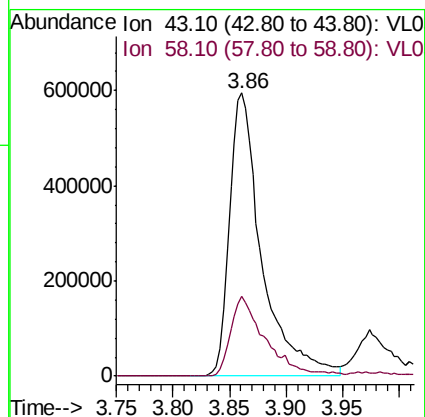
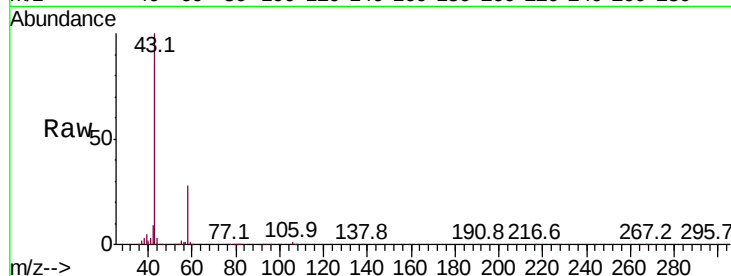
VSTDCCC010EC

Tot Ion: 43 Resp: 1178970

Ion Ratio Lower Upper

43 100

58 30.7 24.8 37.2



#16

1,3-Butadiene

Concen: 9.377 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL037592.D

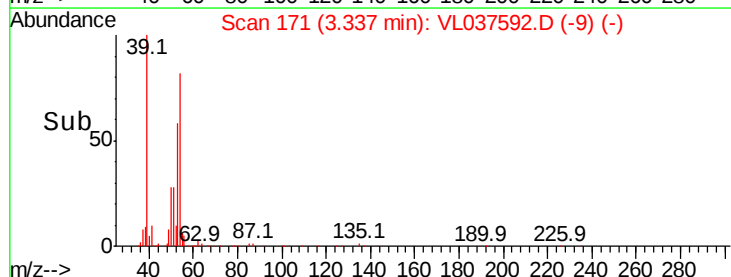
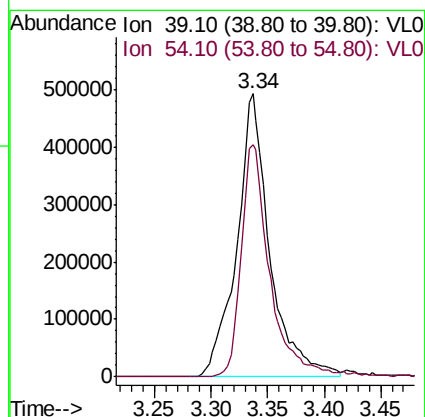
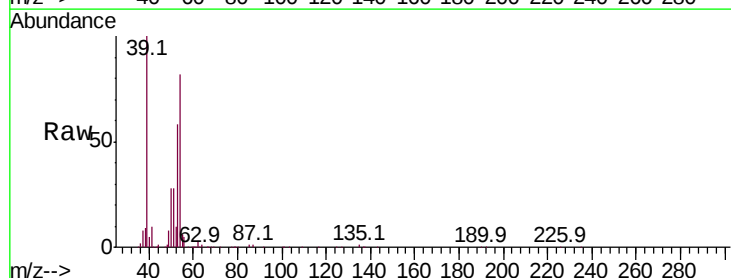
Acq: 9 Sep 2021 4:37

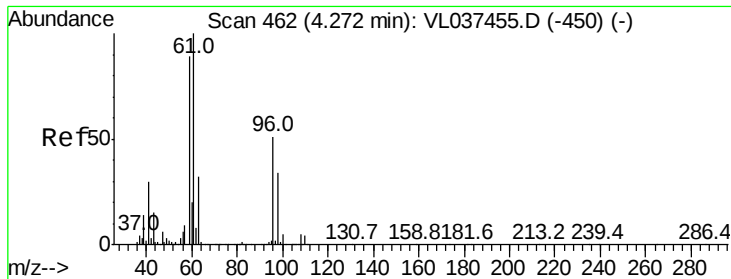
Tgt Ion: 39 Resp: 998940

Ion Ratio Lower Upper

39 100

54 72.5 63.7 95.5



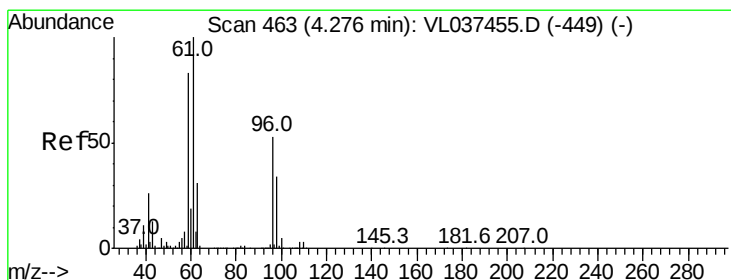
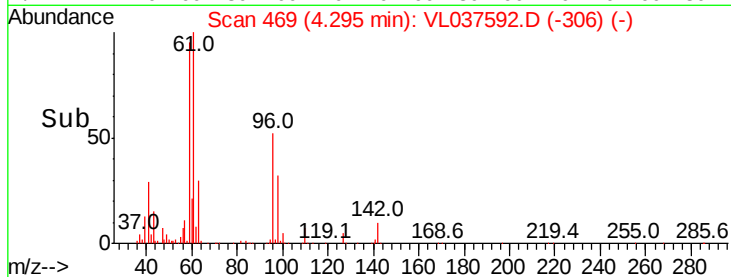
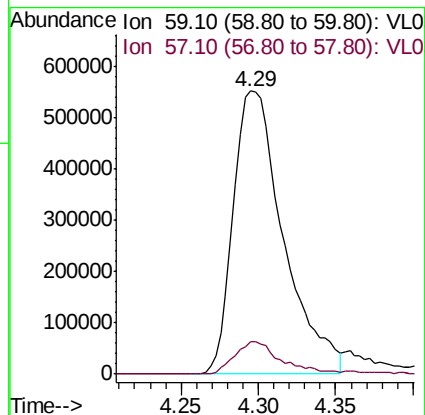
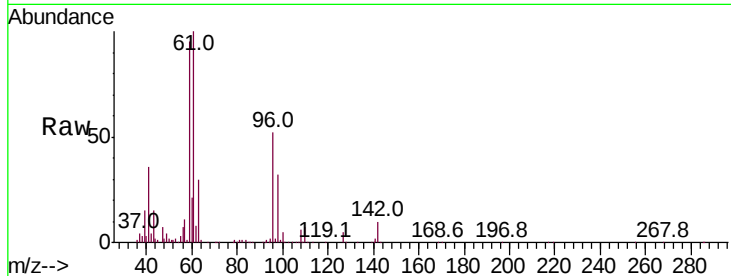


#17

tert-Butyl alcohol
Concen: 8.216 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

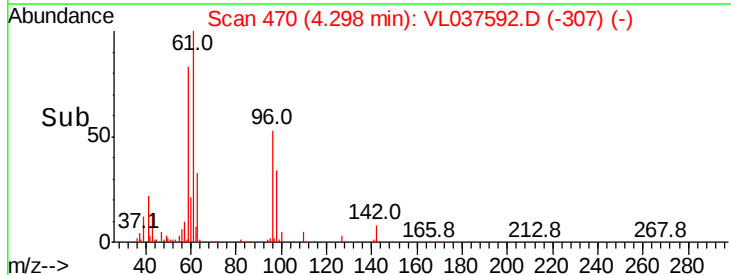
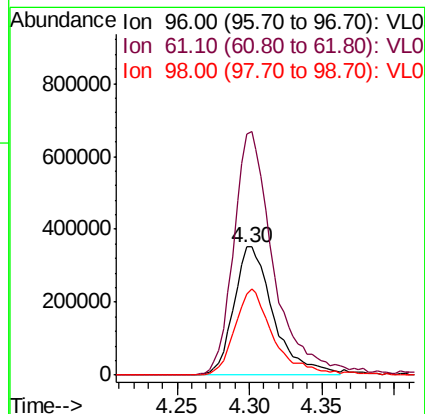
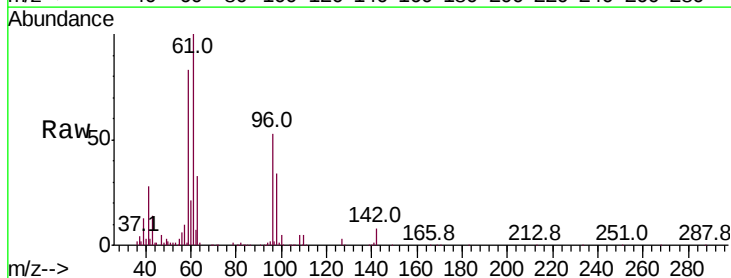
Tot Ion: 59 Resp: 1246421
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5

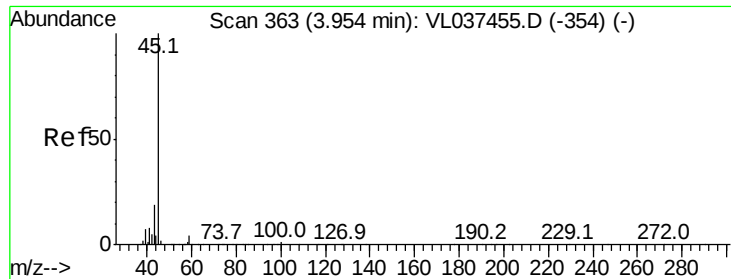


#18

1,1-Dichloroethene
Concen: 8.171 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion: 96 Resp: 669400
Ion Ratio Lower Upper
96 100
61 187.5 151.1 226.7
98 63.6 51.8 77.8





#19

Isopropyl Alcohol

Concen: 7.836 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

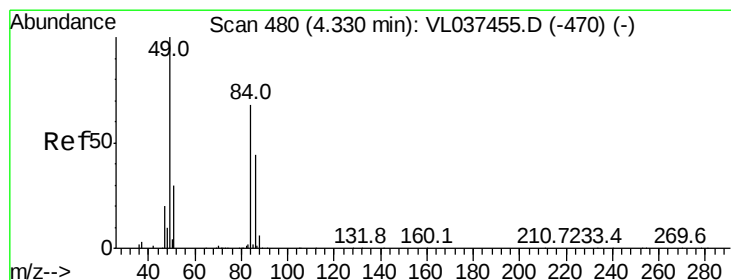
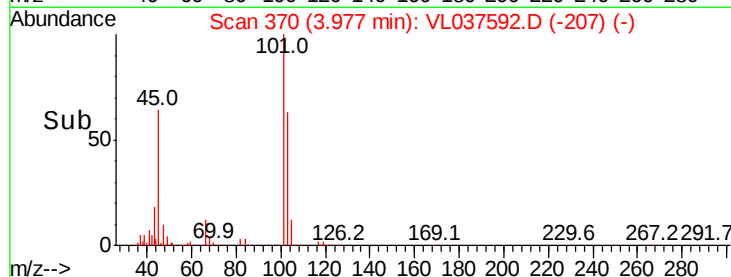
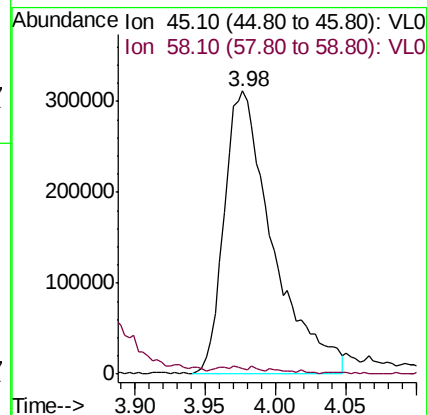
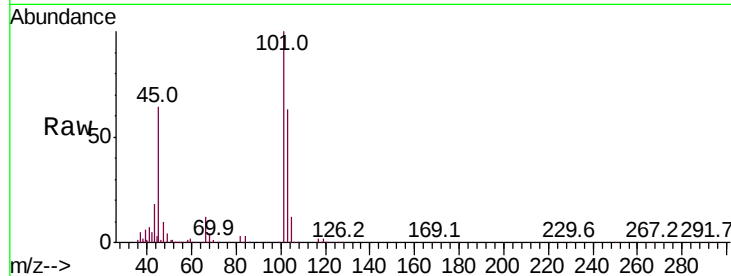
VSTDCCC010EC

Tot Ion: 45 Resp: 745536

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.2#



#20

Methylene Chloride

Concen: 6.960 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Tgt Ion: 84 Resp: 578709

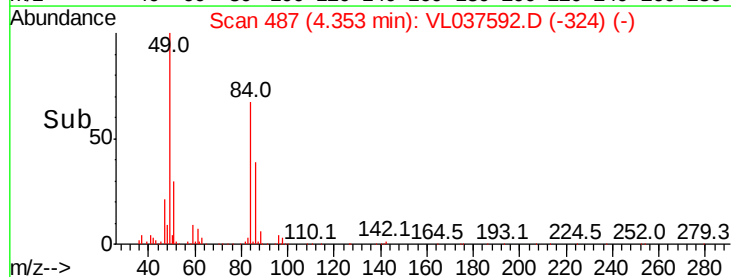
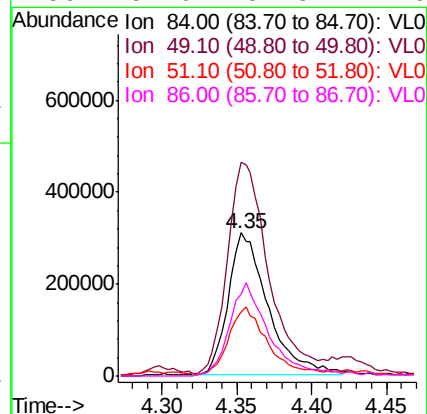
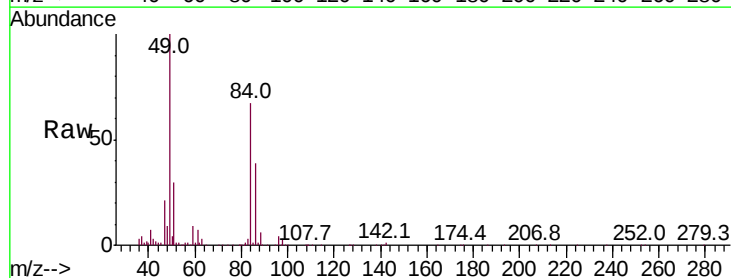
Ion Ratio Lower Upper

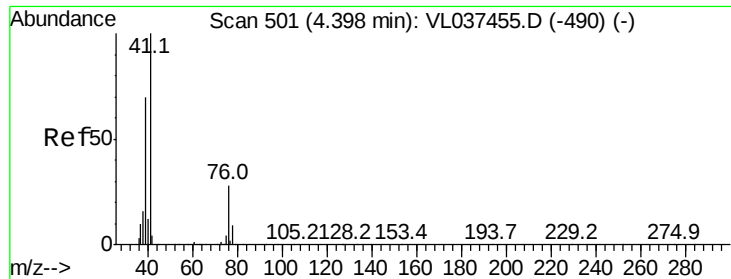
84 100

49 147.2 118.2 177.2

51 43.3 36.6 55.0

86 57.9 51.8 77.6

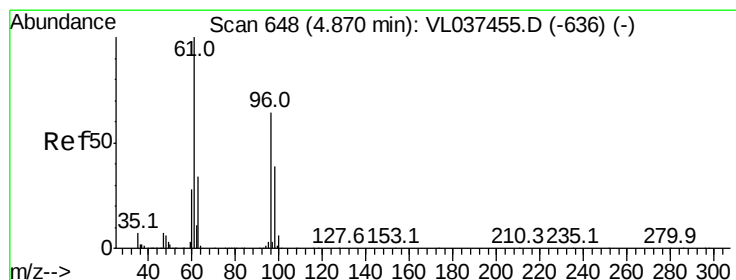
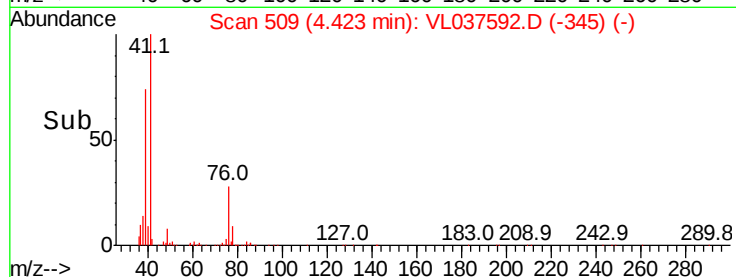
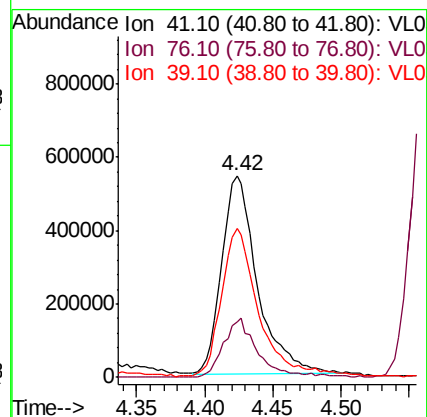
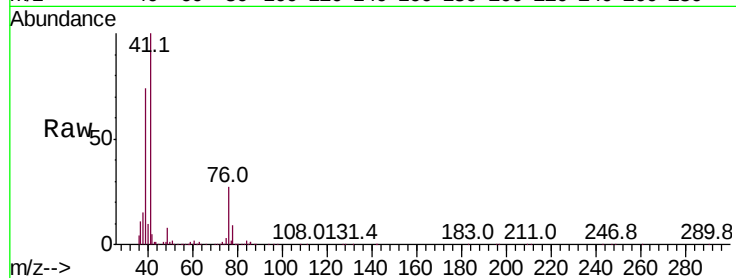




#21
Allvl Chloride
Concen: 7.344 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

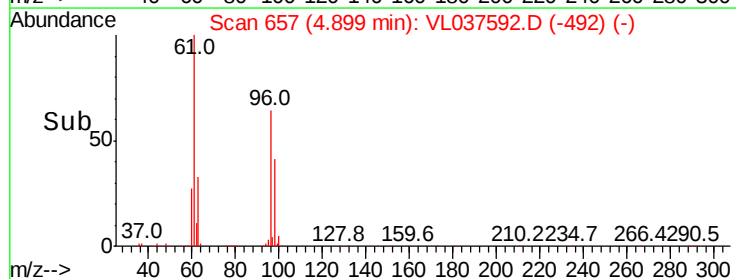
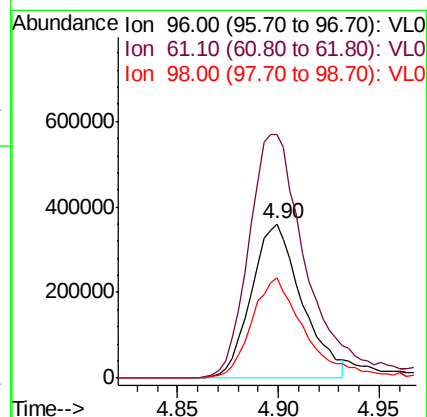
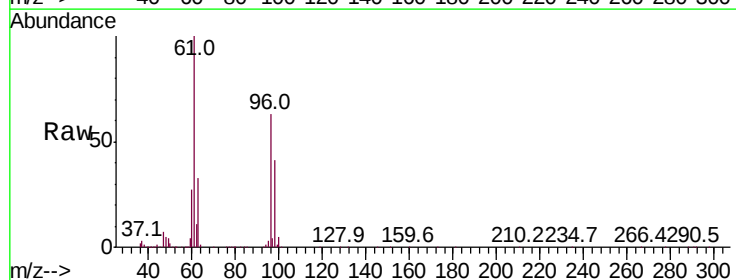
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

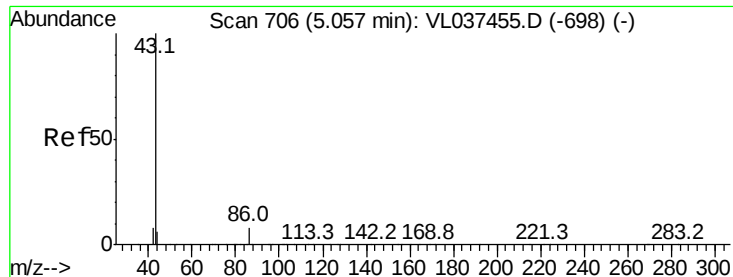
Tot Ion: 41 Resp: 990636
Ion Ratio Lower Upper
41 100
76 28.9 21.8 32.6
39 79.0 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 7.734 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion: 96 Resp: 632143
Ion Ratio Lower Upper
96 100
61 157.9 125.5 188.3
98 65.2 49.0 73.4





#23

Vinyl Acetate

Concen: 6.594 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1614114

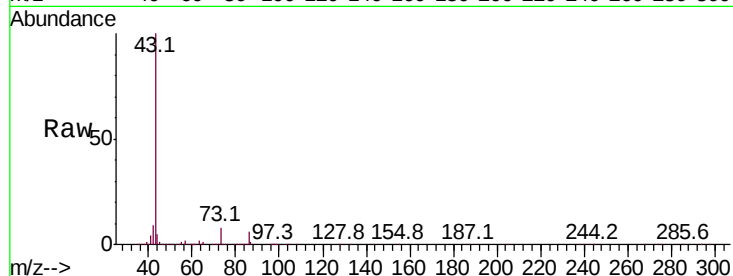
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.7	8.5
42	8.6	7.4	11.2
44	4.7	4.3	6.5

43 100

86 6.4 5.7 8.5

42 8.6 7.4 11.2

44 4.7 4.3 6.5

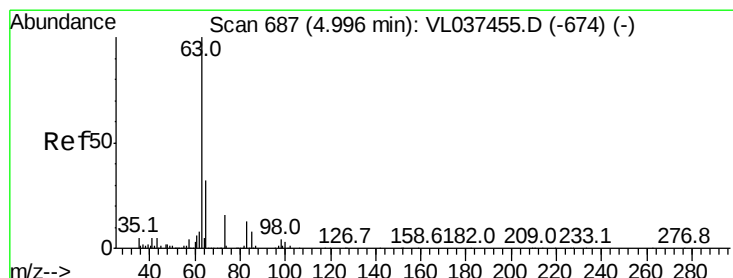
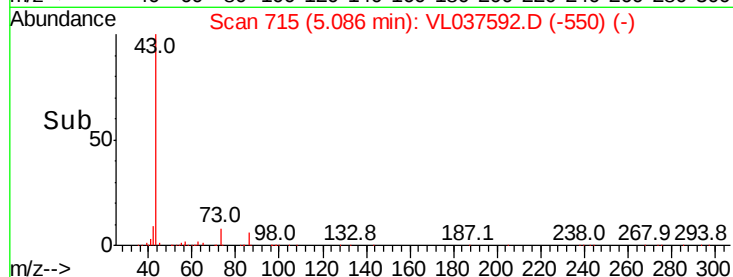
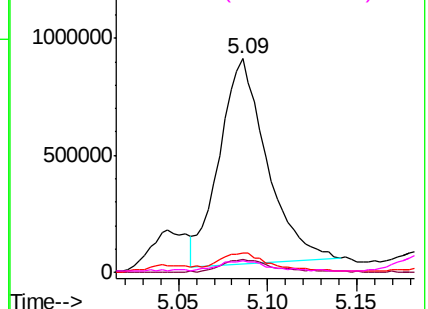


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 7.635 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

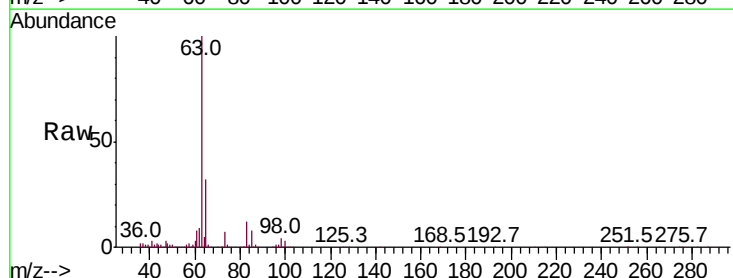
Tgt Ion: 63 Resp: 1355533

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.8	1.6	4.7

63 100

98 4.2 2.1 6.3

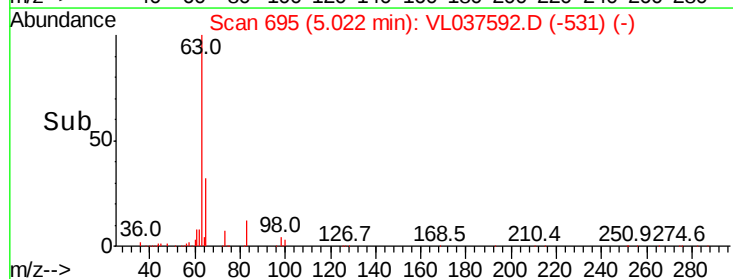
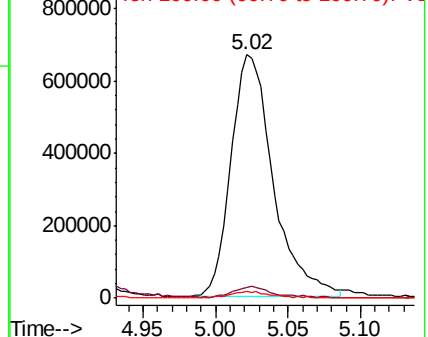
100 2.8 1.6 4.7

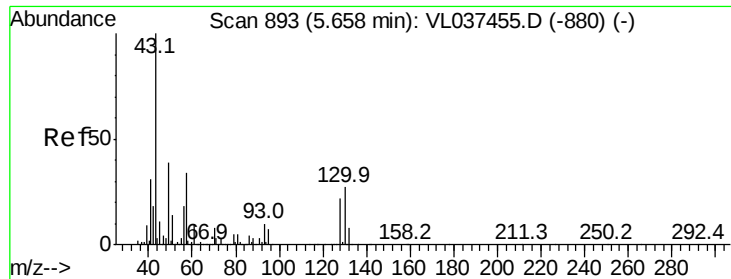


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.463 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 3568300

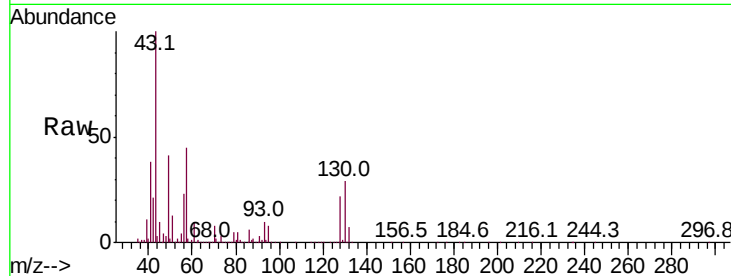
Ion Ratio Lower Upper

43 100

45 9.6 8.0 12.0

61 9.2 8.0 12.0

70 7.0 5.6 8.4

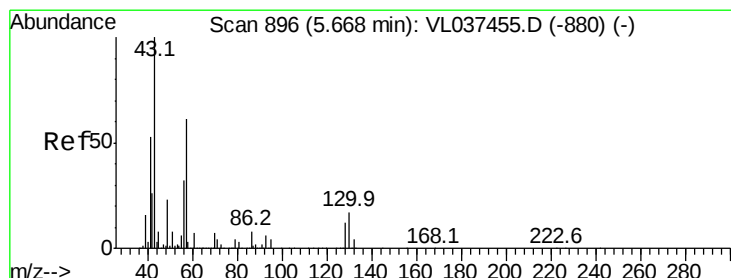
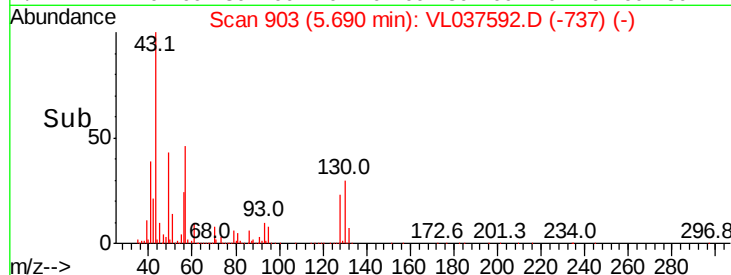
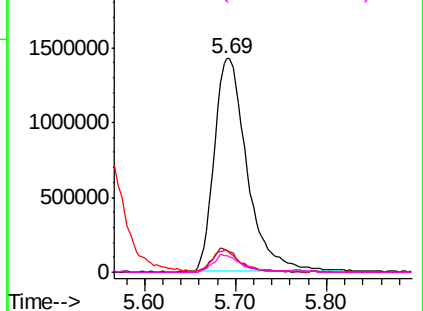


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.619 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Tgt Ion: 57 Resp: 1776623

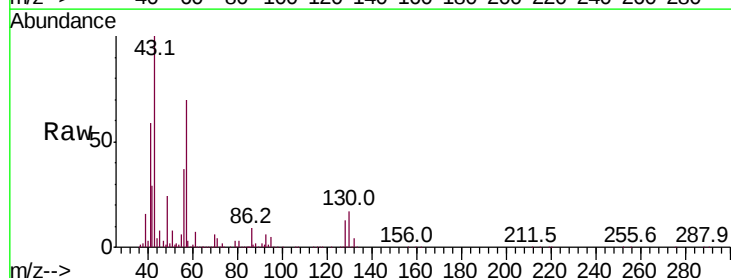
Ion Ratio Lower Upper

57 100

41 88.0 72.3 108.5

43 204.1 172.3 258.5

56 53.0 42.8 64.2

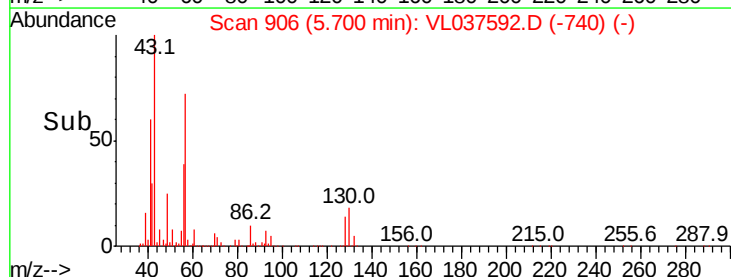
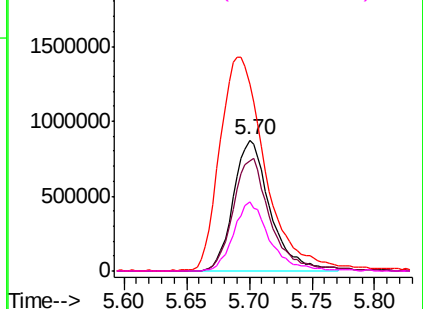


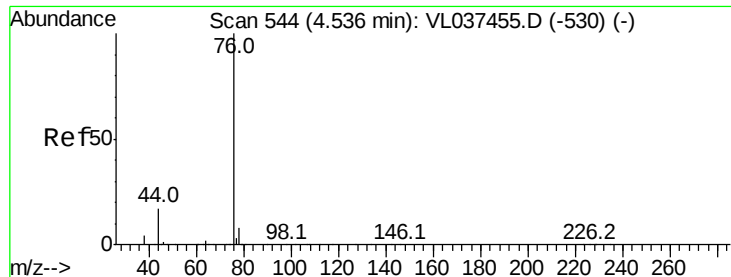
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 8.306 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

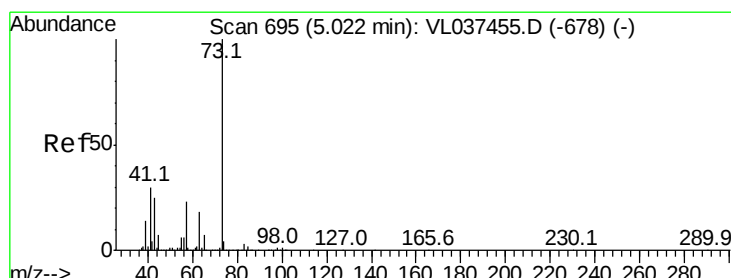
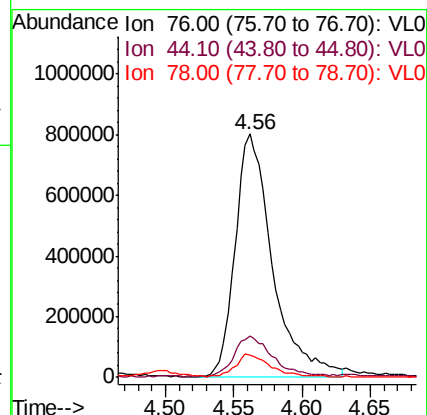
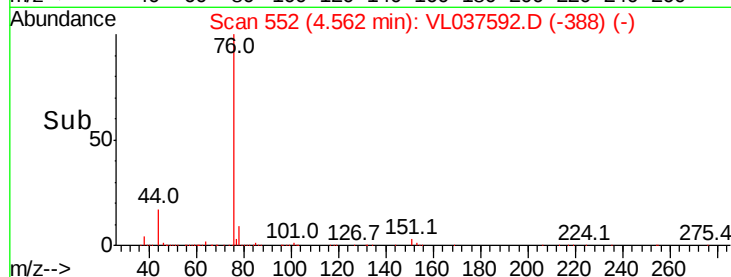
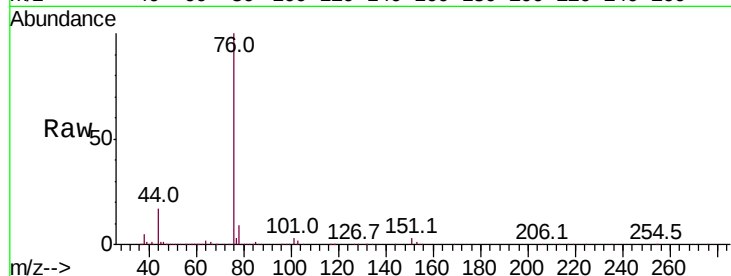
Tot Ion: 76 Resp: 1525804

Ion Ratio Lower Upper

76 100

44 19.1 13.9 20.9

78 9.5 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 6.940 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.03 min

Lab File: VL037592.D

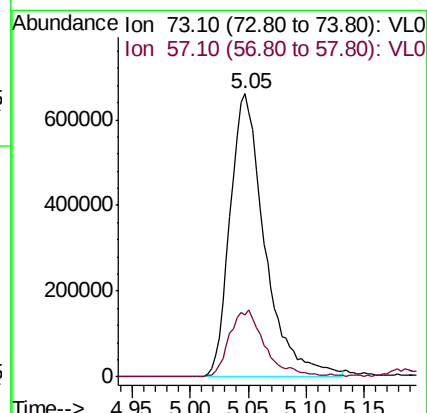
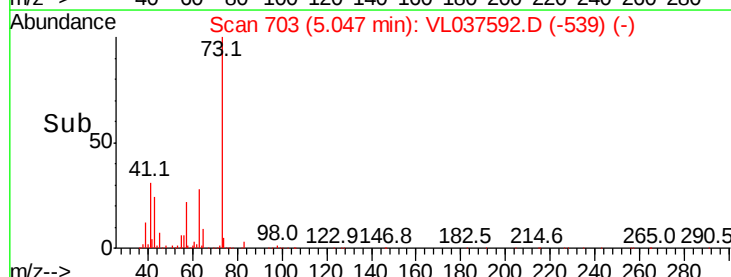
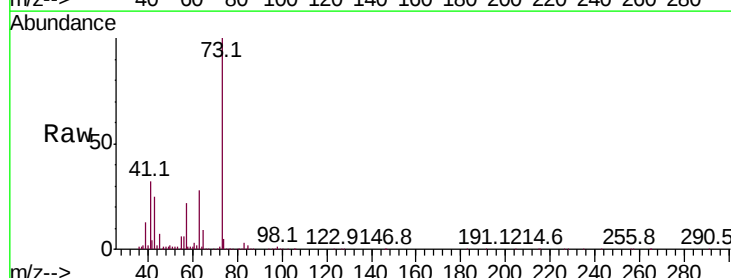
Acq: 9 Sep 2021 4:37

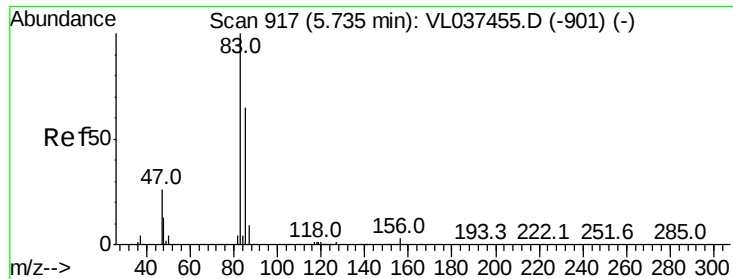
Tgt Ion: 73 Resp: 1374076

Ion Ratio Lower Upper

73 100

57 24.4 19.4 29.2

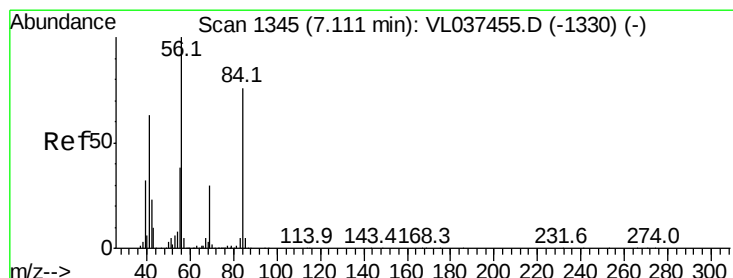
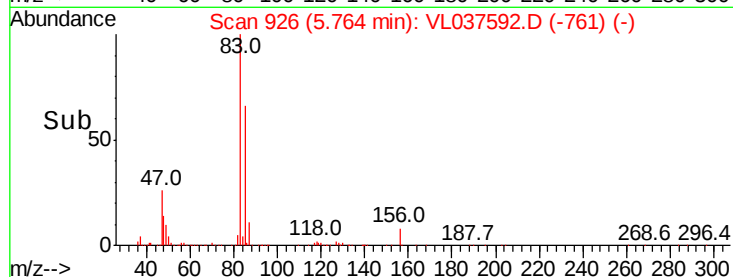
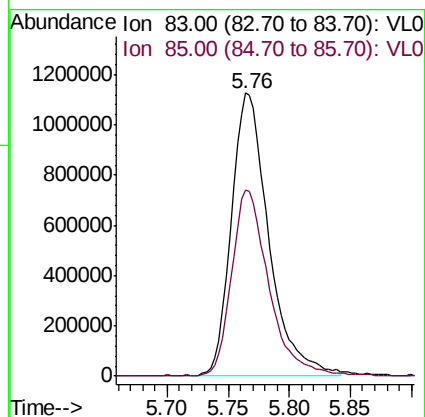
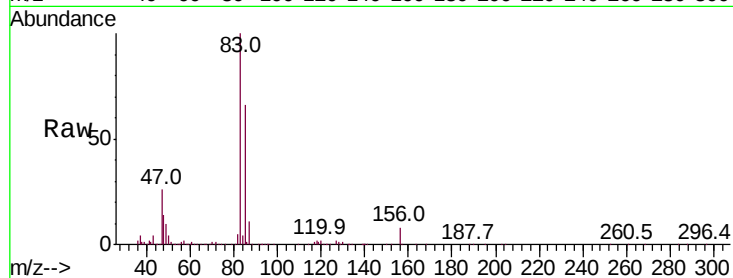




#29
Chloroform
Concen: 8.233 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

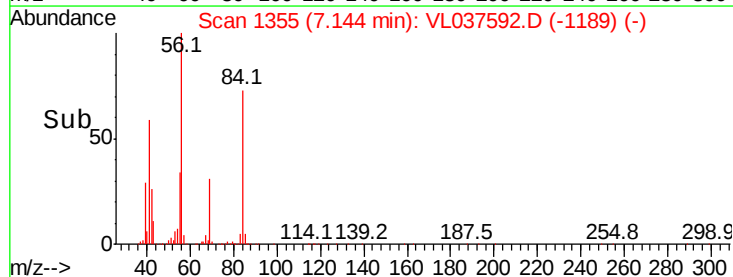
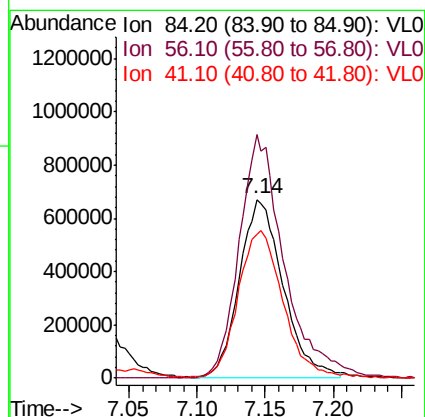
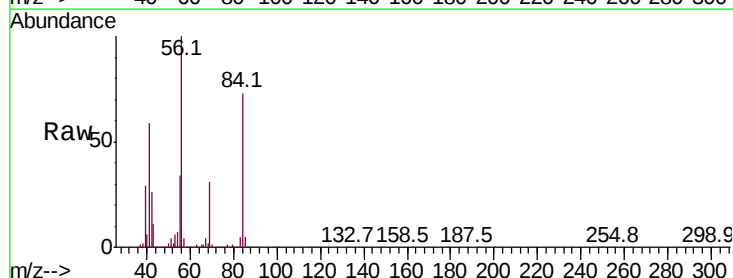
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

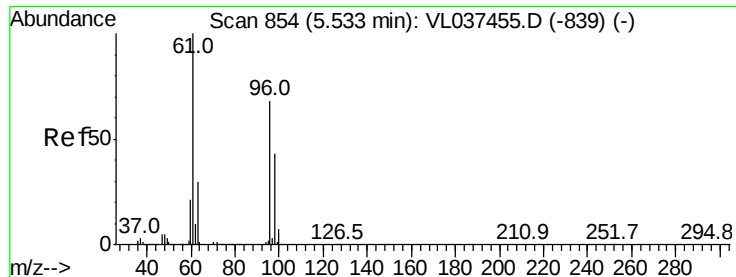
Tot Ion: 83 Resp: 2405103
Ion Ratio Lower Upper
83 100
85 65.7 52.3 78.5



#30
Cyclohexane
Concen: 8.723 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion: 84 Resp: 1498188
Ion Ratio Lower Upper
84 100
56 141.0 110.6 165.8
41 85.4 67.0 100.6



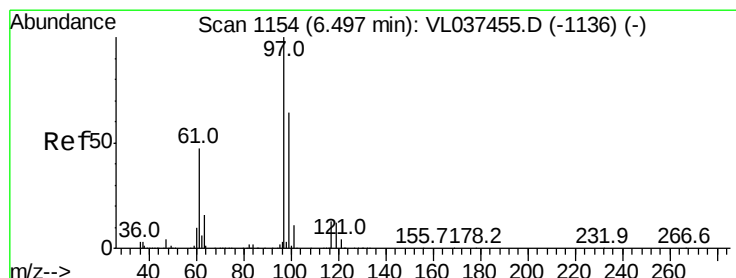
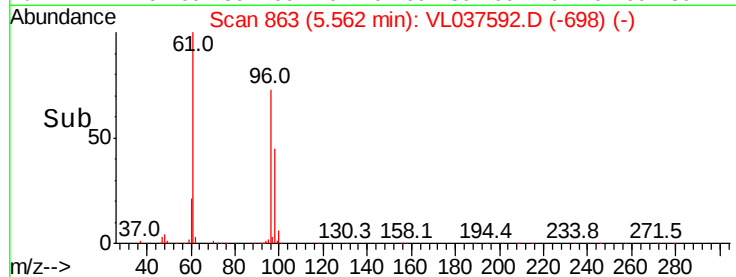
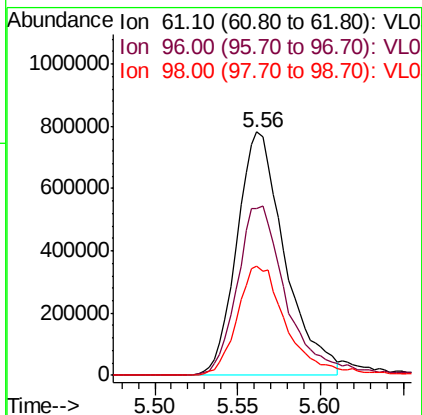
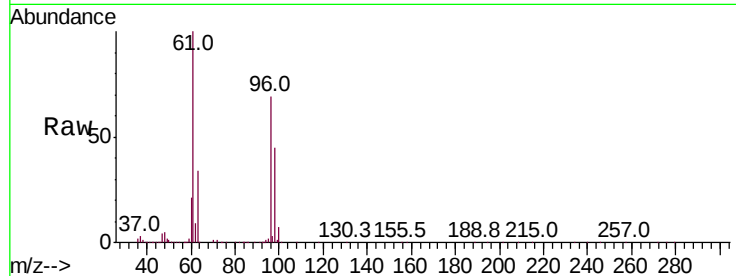


#31

cis-1,2-Dichloroethene
 Concen: 8.399 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.03 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

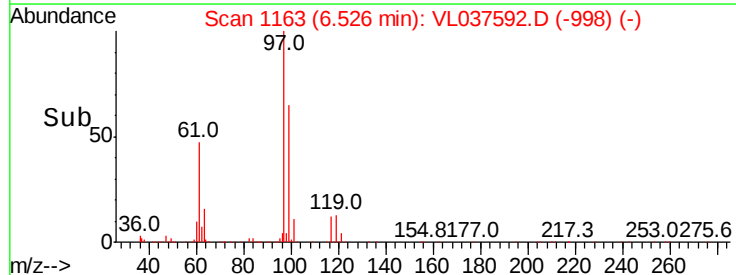
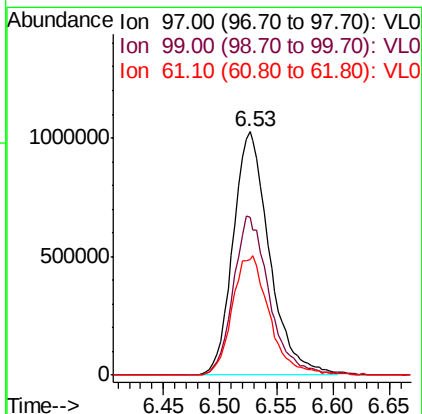
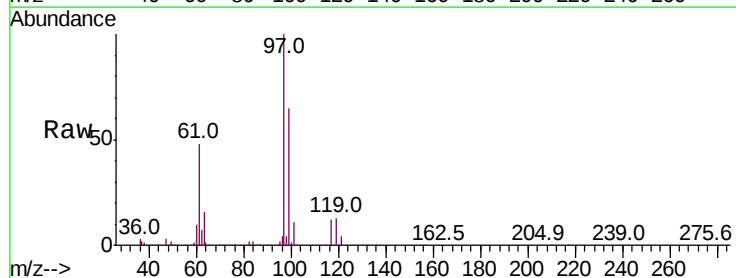
Tot Ion: 61 Resp: 1567009
 Ion Ratio Lower Upper
 61 100
 96 68.7 54.8 82.2
 98 44.9 34.2 51.2

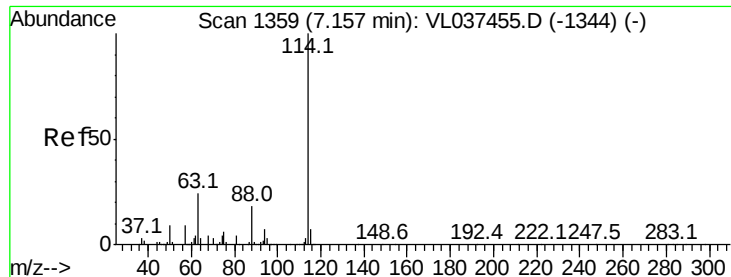


#32

1,1,1-Trichloroethane
 Concen: 8.002 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.03 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 97 Resp: 2296754
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 50.3 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.04 min

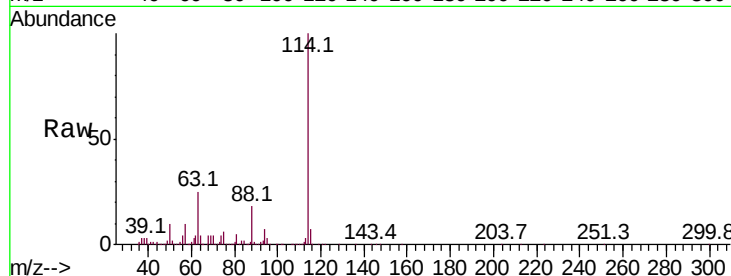
Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:114 Resp: 4839831

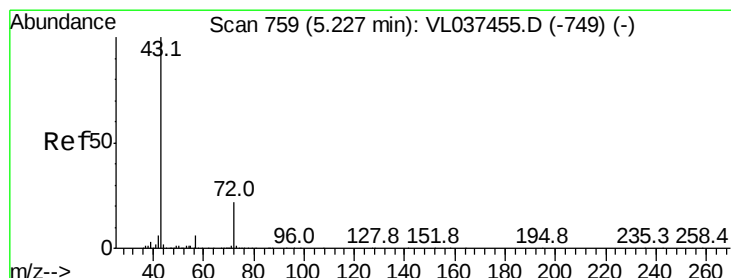
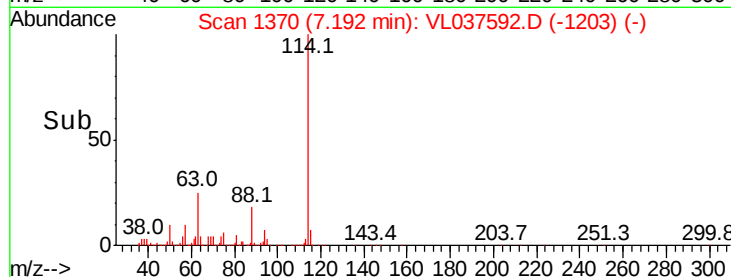
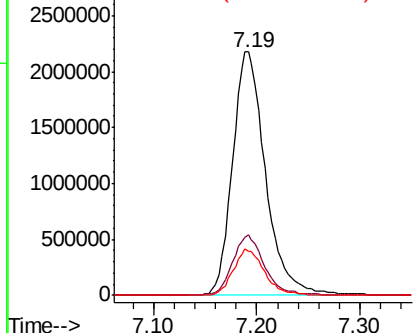
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	18.2	14.2	21.4



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: 7.749 ppbv

RT: 5.26 min Scan# 769

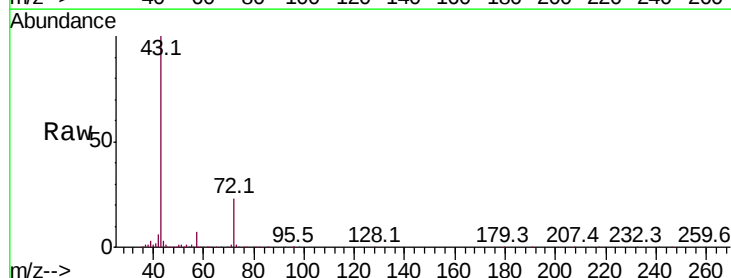
Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

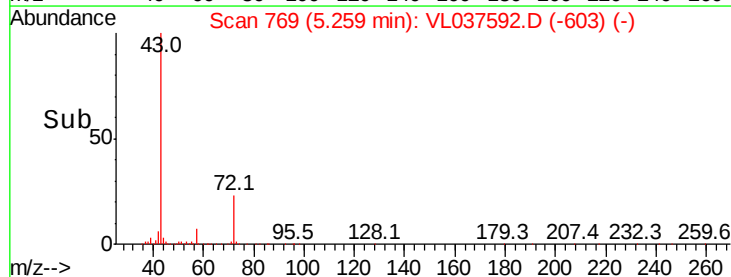
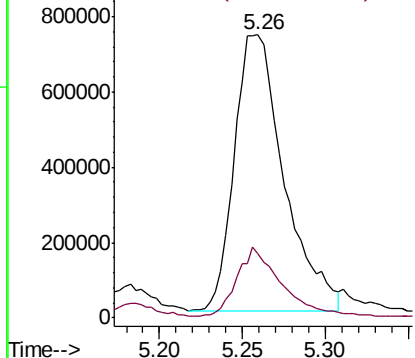
Tgt Ion: 43 Resp: 1531552

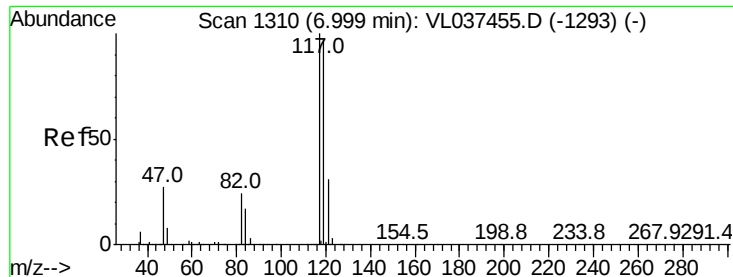
Ion	Ratio	Lower	Upper
43	100		
72	25.2	17.4	26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.064 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

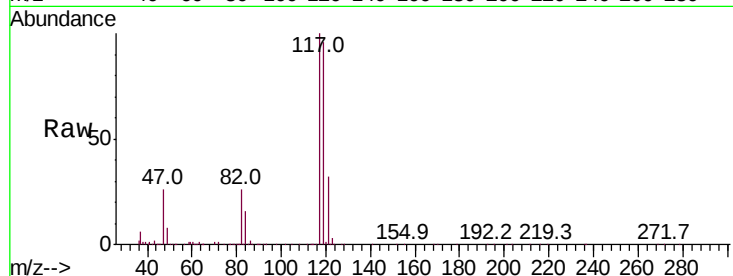
Tot Ion:117 Resp: 2306409

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9

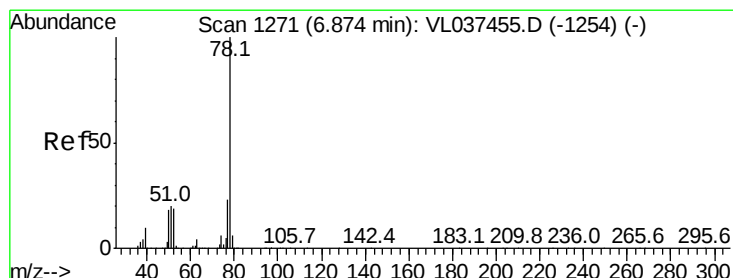
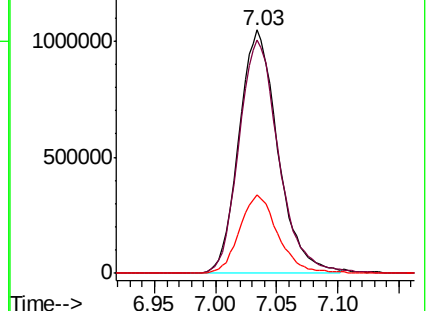
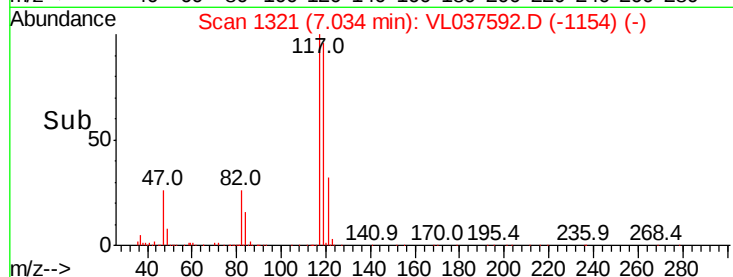
121 32.4 25.2 37.8



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: 9.017 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

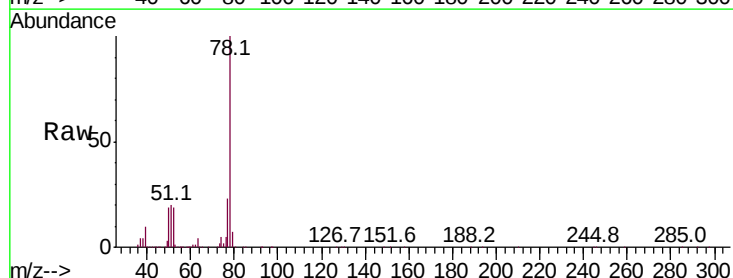
Tgt Ion: 78 Resp: 3668639

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.4

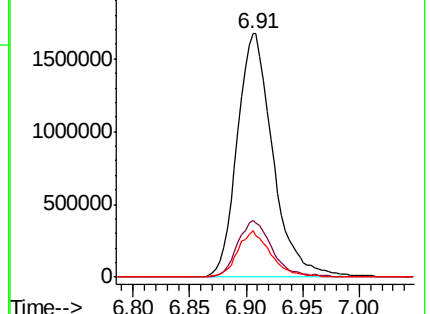
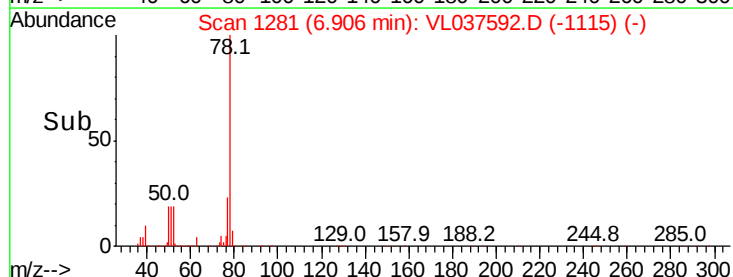
50 19.3 14.6 21.8

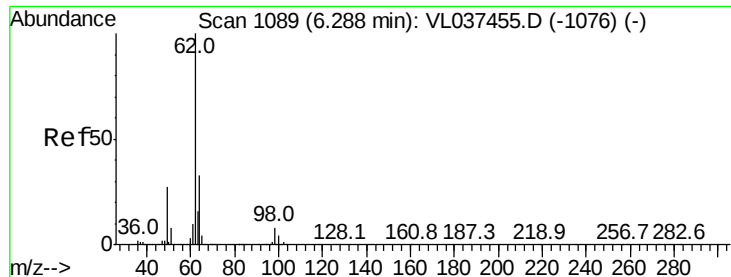


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

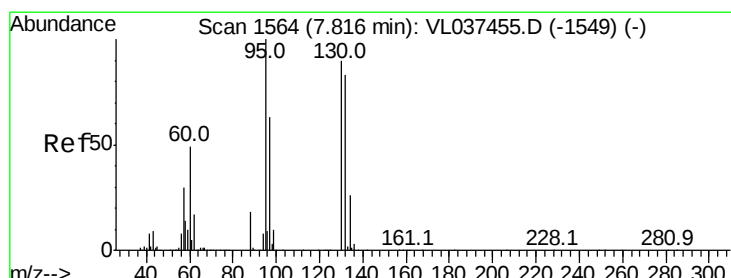
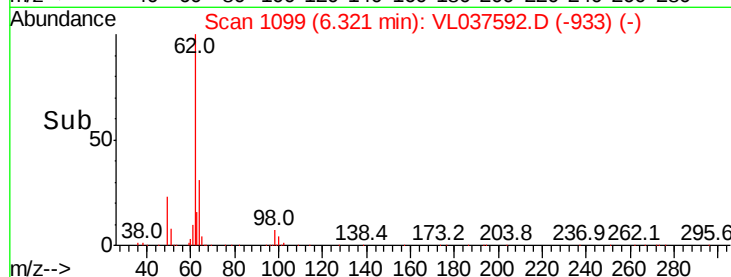
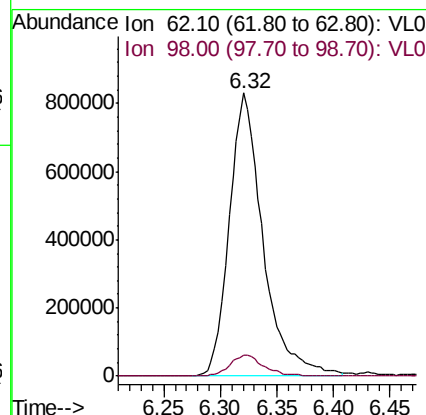
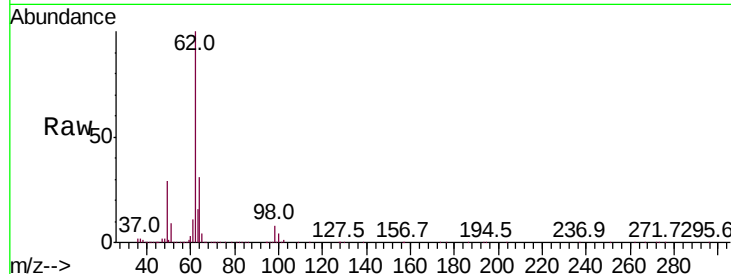




#37
 1,2-Dichloroethane
 Concen: 8.549 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.03 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

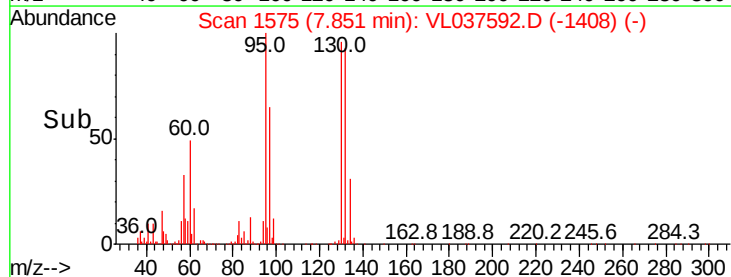
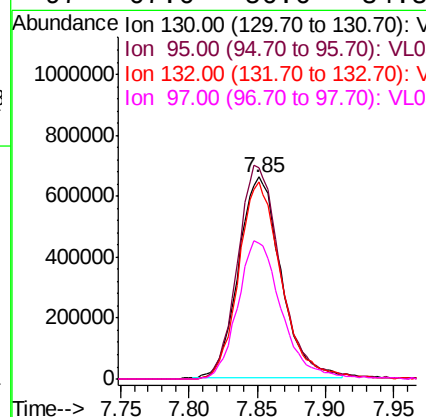
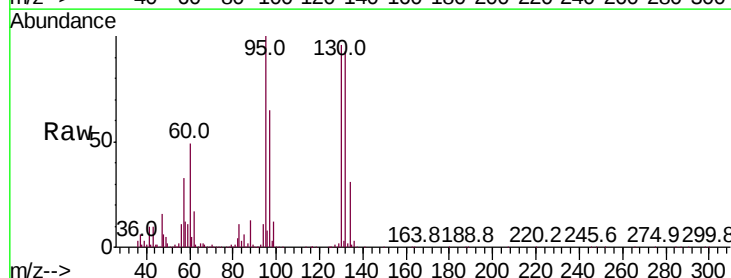
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

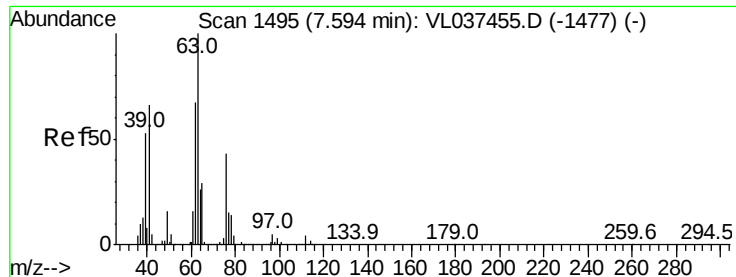
Tot Ion: 62 Resp: 1722915
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.0 9.0



#38
 Trichloroethene
 Concen: 8.582 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 130 Resp: 1432661
 Ion Ratio Lower Upper
 130 100
 95 104.7 89.2 133.8
 132 97.8 74.0 111.0
 97 67.6 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.040 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

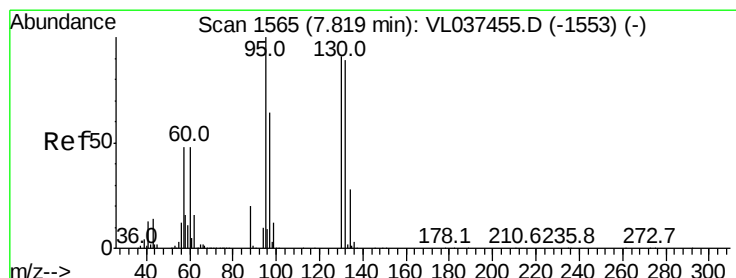
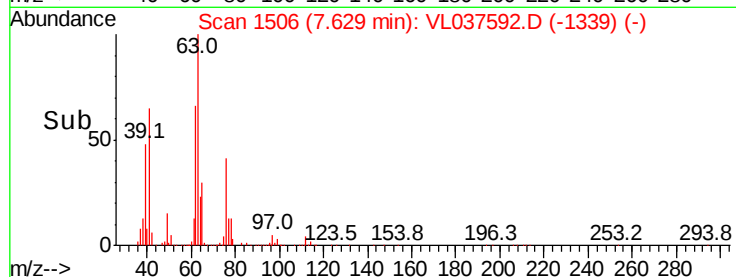
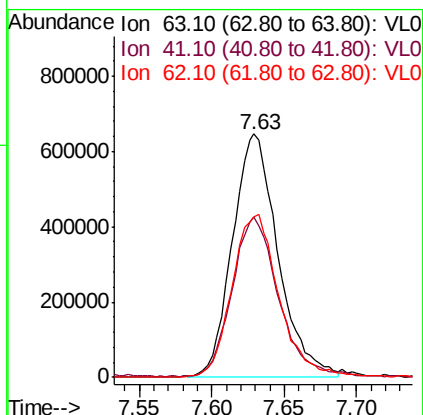
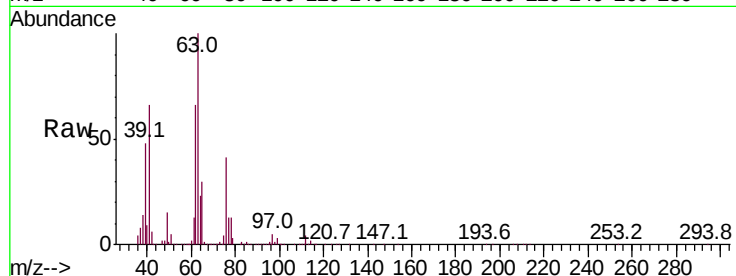
Tot Ion: 63 Resp: 1413262

Ion Ratio Lower Upper

63 100

41 64.8 52.4 78.6

62 65.2 53.6 80.4



#40

1,4-Dioxane

Concen: 2.848 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Tgt Ion: 88 Resp: 109087

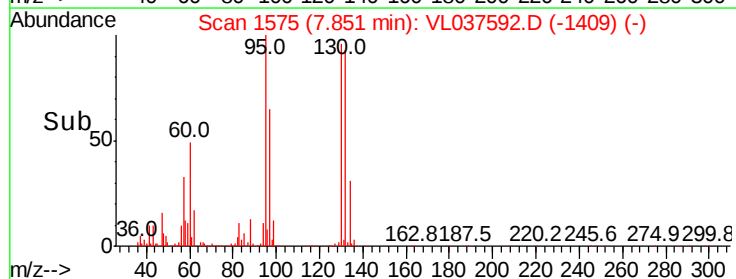
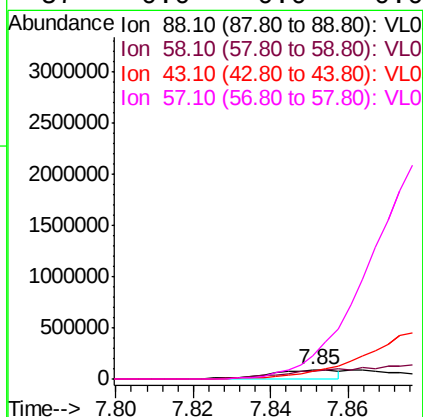
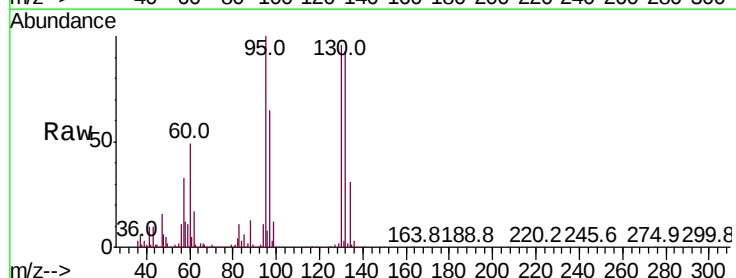
Ion Ratio Lower Upper

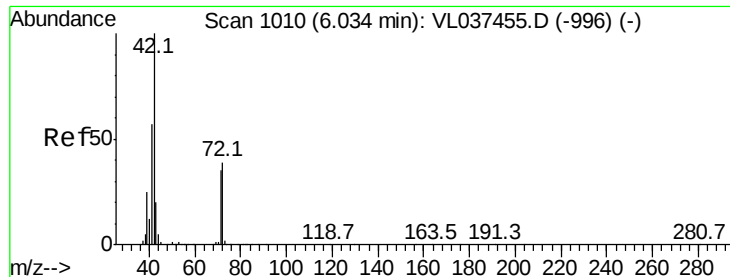
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 8.823 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

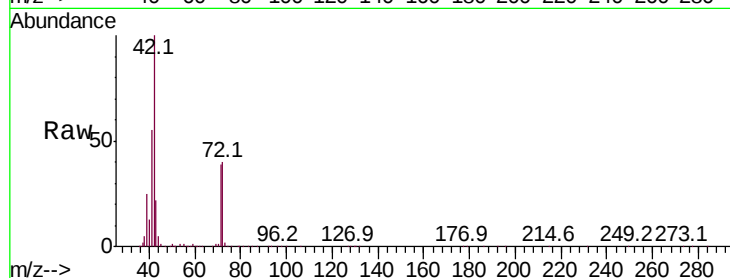
Tot Ion: 42 Resp: 840046

Ion Ratio Lower Upper

42 100

72 37.4 32.2 48.4

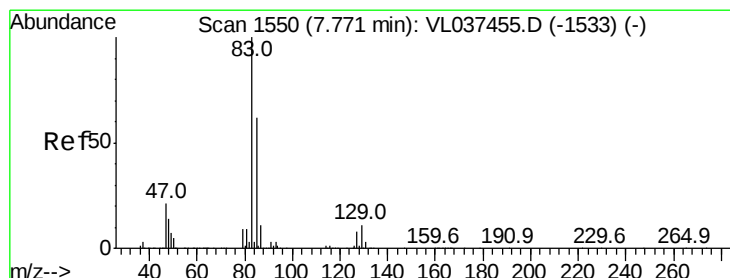
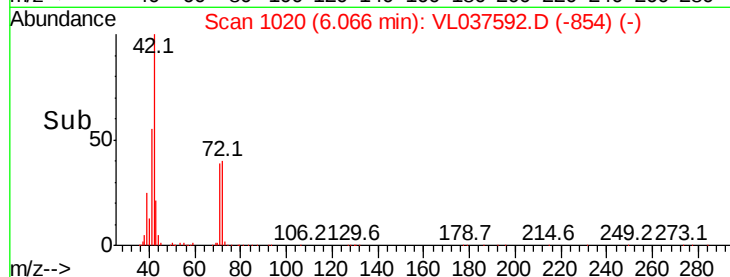
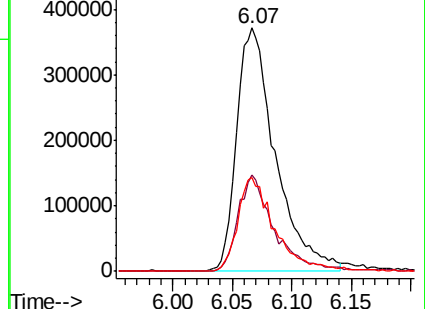
71 37.5 30.5 45.7



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: 8.694 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

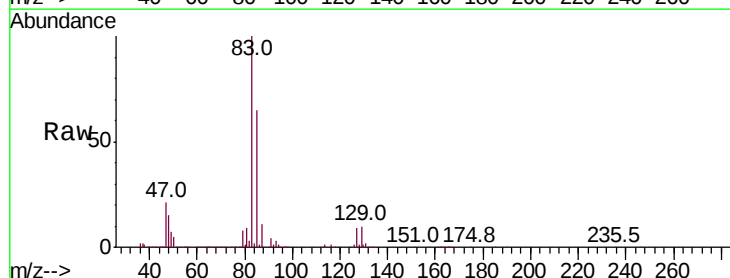
Tgt Ion: 83 Resp: 2562122

Ion Ratio Lower Upper

83 100

85 64.6 49.5 74.3

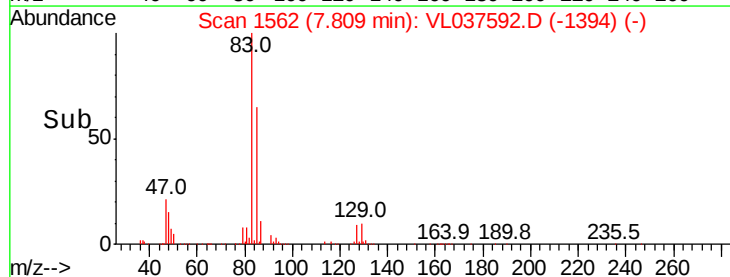
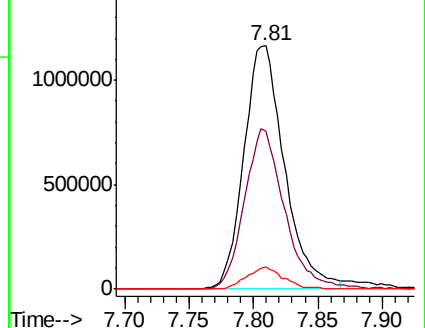
127 9.0 6.3 9.5

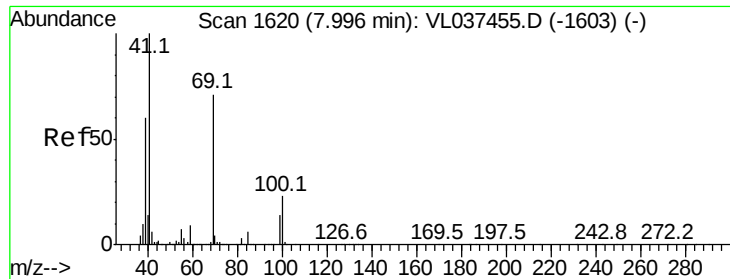


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

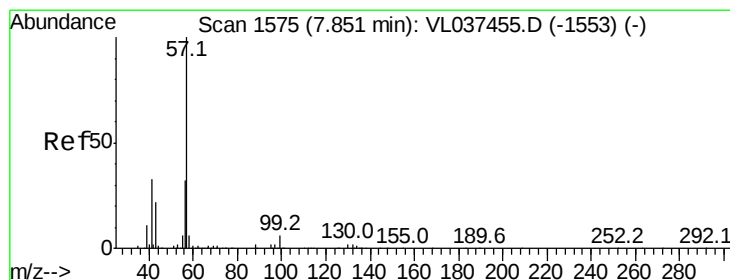
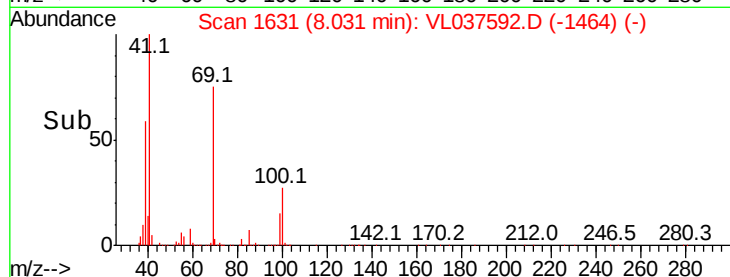
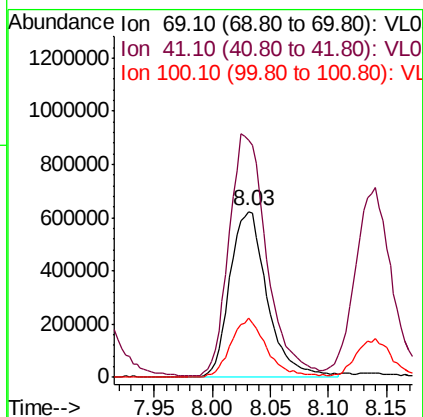
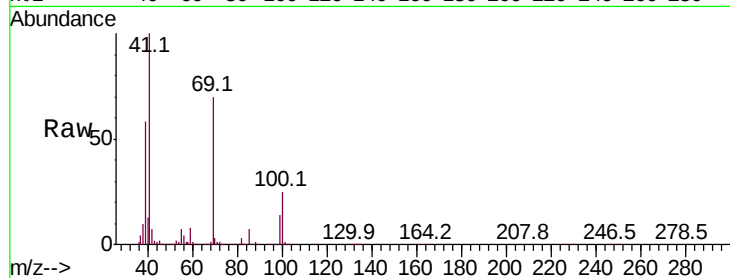




#43
Methvl Methacrylate
Concen: 9.843 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

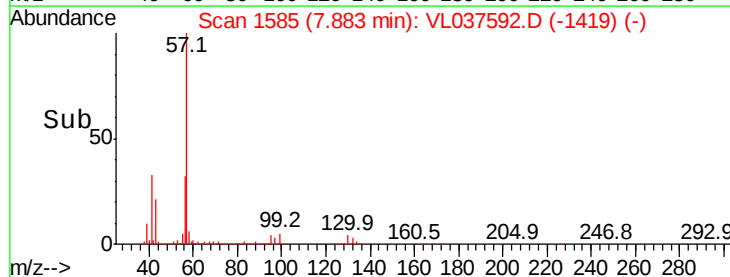
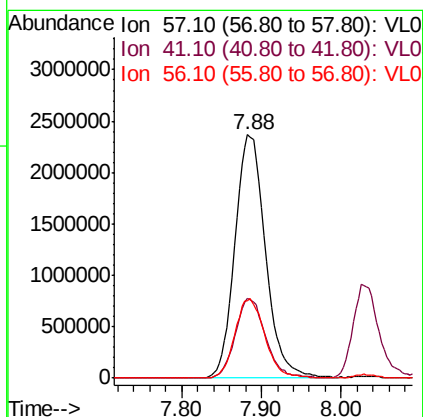
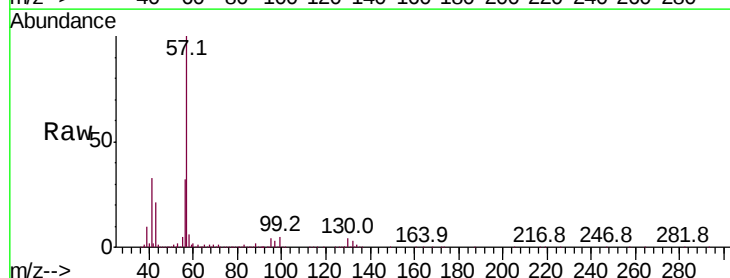
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

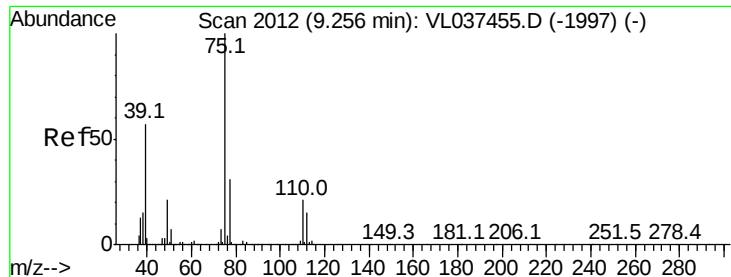
Tot Ion: 69 Resp: 1395835
Ion Ratio Lower Upper
69 100
41 147.9 118.6 178.0
100 34.1 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 8.922 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion: 57 Resp: 6109513
Ion Ratio Lower Upper
57 100
41 32.4 26.2 39.4
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.061 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

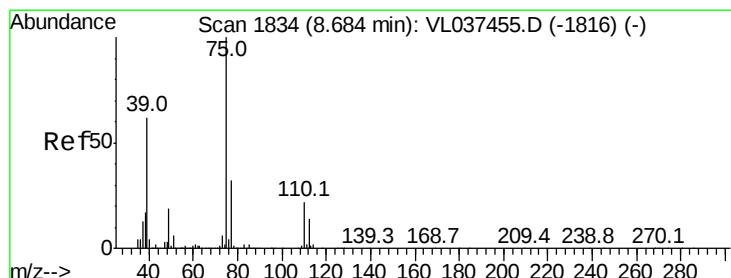
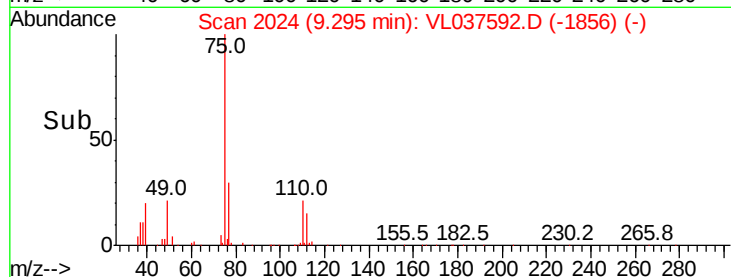
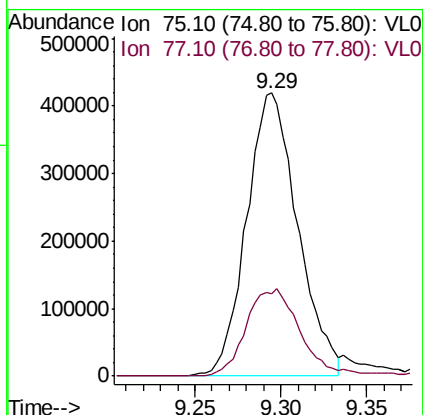
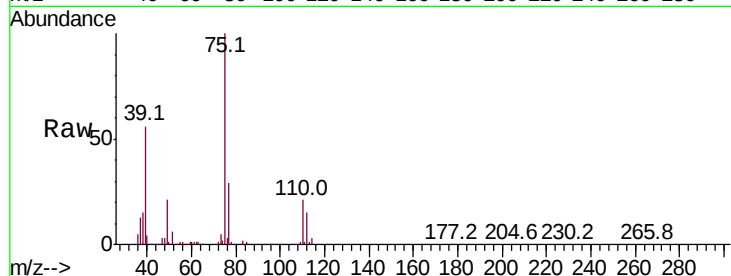
VSTDCCC010EC

Tot Ion: 75 Resp: 860512

Ion Ratio Lower Upper

75 100

77 29.3 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 8.669 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

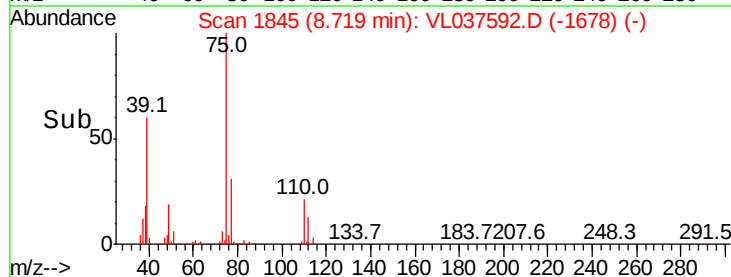
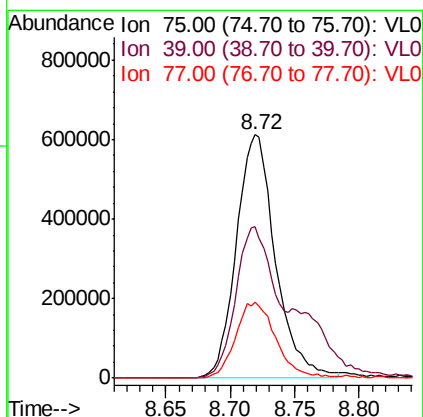
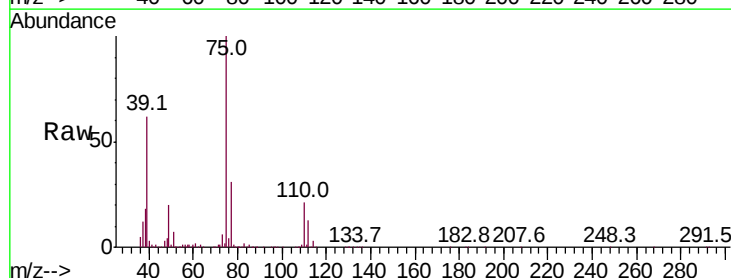
Tgt Ion: 75 Resp: 1290983

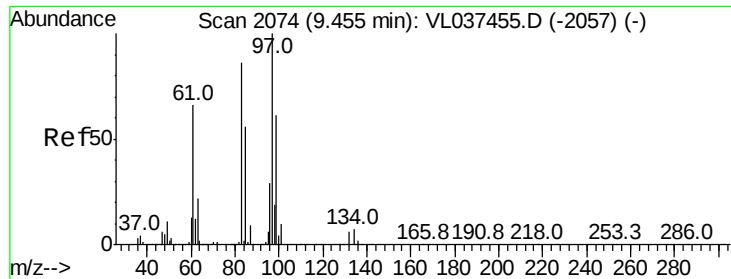
Ion Ratio Lower Upper

75 100

39 61.8 49.7 74.5

77 31.3 25.4 38.0



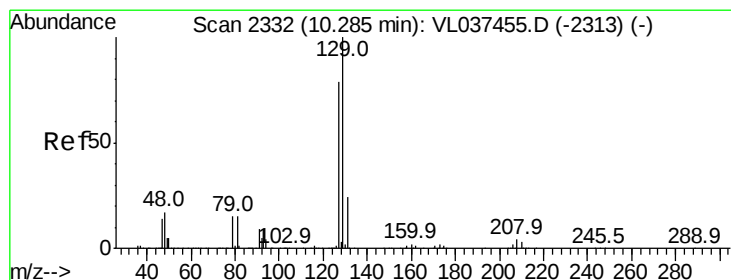
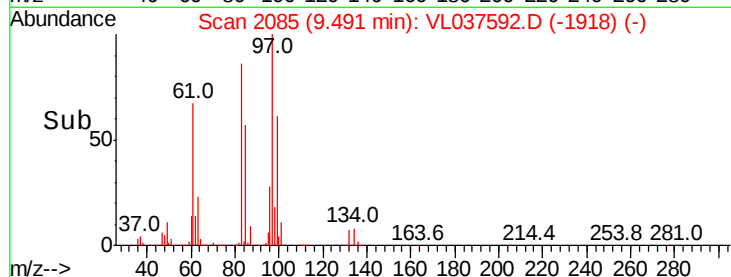
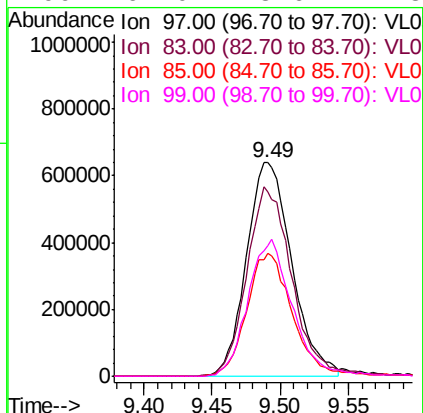
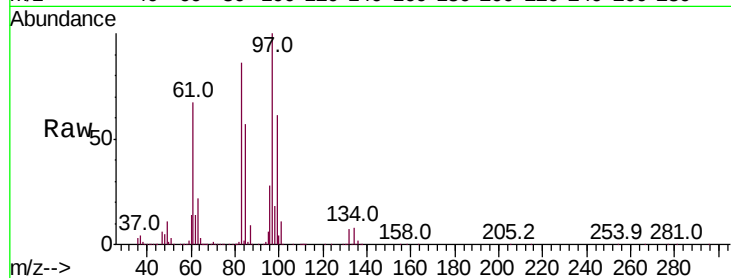


#47
 1,1,2-Trichloroethane
 Concen: 8.716 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1472336

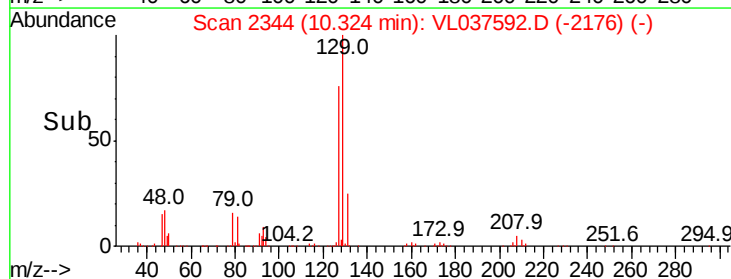
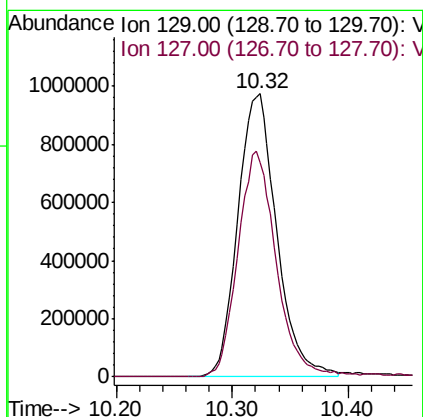
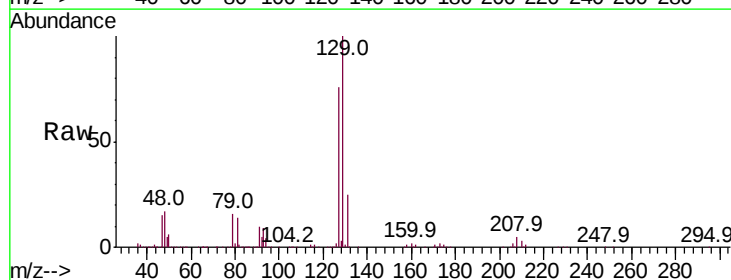
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.7	103.1
85	57.3	44.7	67.1
99	61.0	48.6	72.8

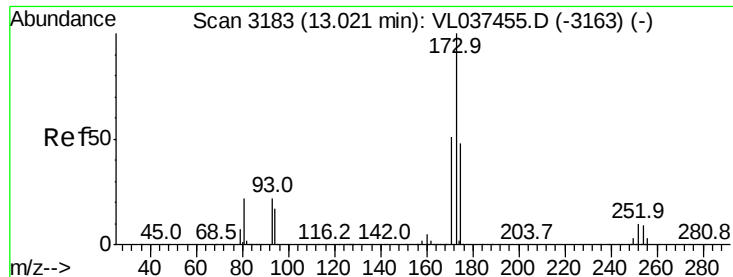


#48
 Dibromochloromethane
 Concen: 9.320 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 129 Resp: 2265663

Ion	Ratio	Lower	Upper
129	100		
127	80.6	40.0	120.0





#49

Bromoform

Concen: 9.815 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

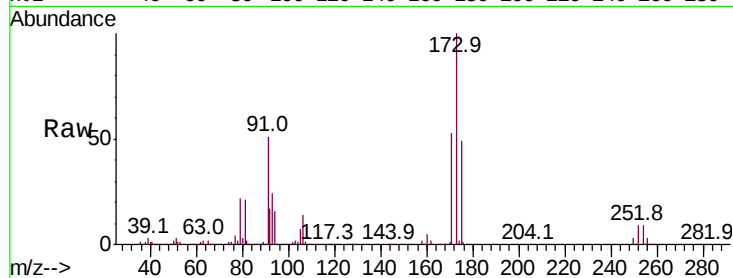
Tot Ion:173 Resp: 1880766

Ion Ratio Lower Upper

173 100

175 52.4 41.9 62.9

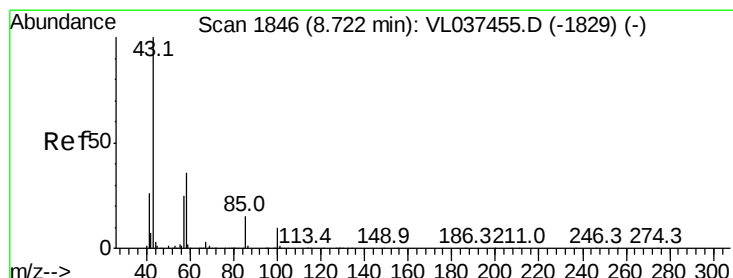
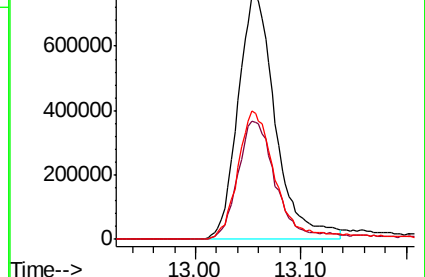
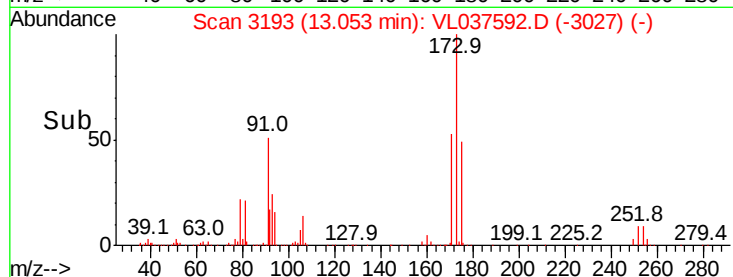
171 55.9 44.2 66.4



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: 9.628 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL037592.D

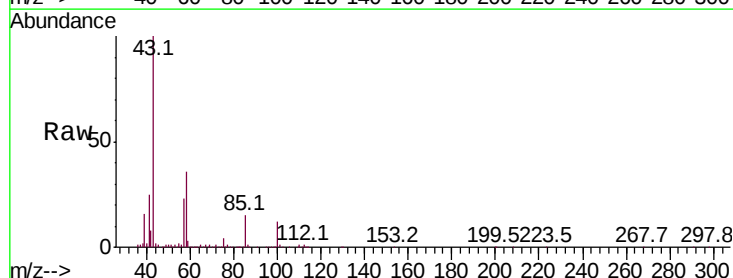
Acq: 9 Sep 2021 4:37

Tgt Ion: 43 Resp: 2482338

Ion Ratio Lower Upper

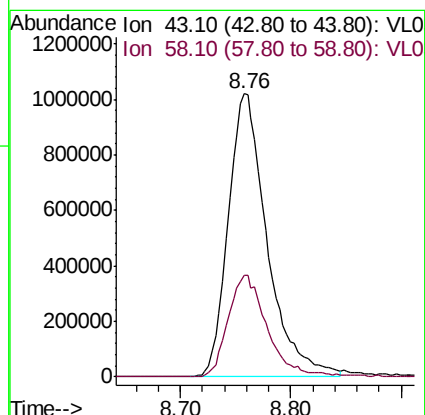
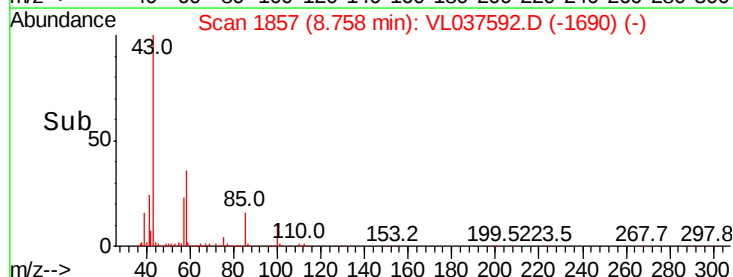
43 100

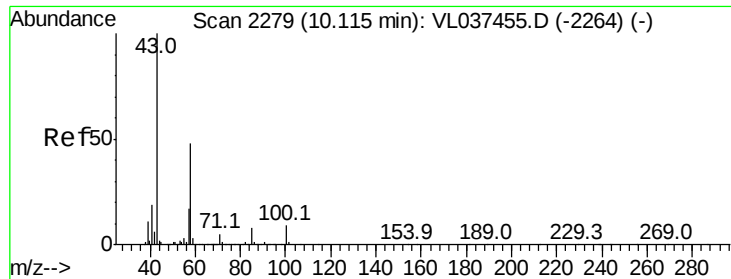
58 37.0 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

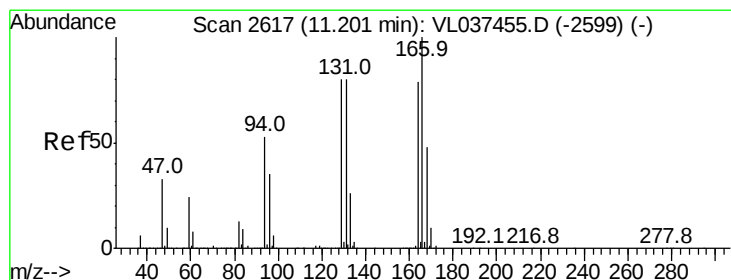
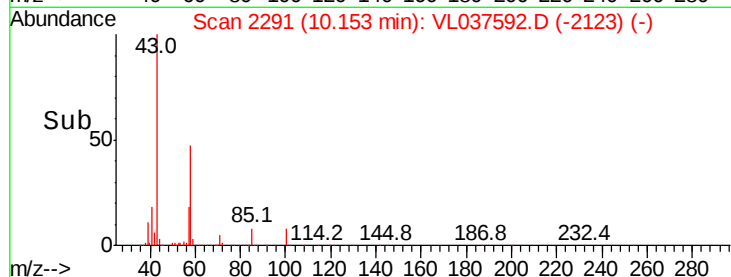
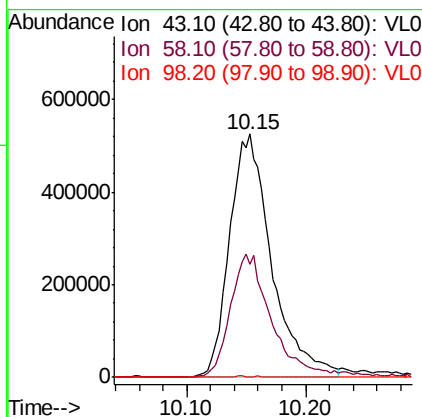
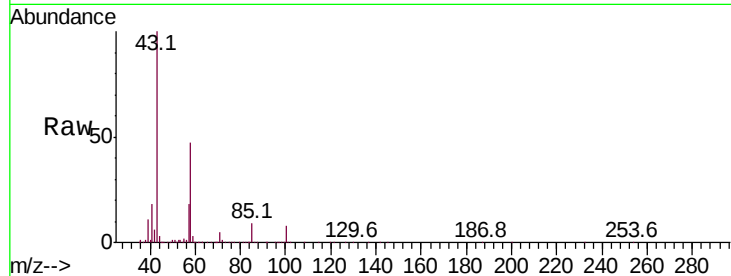




#51
2-Hexanone
Concen: 10.808 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

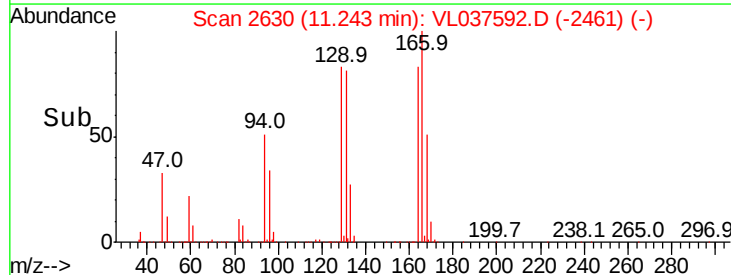
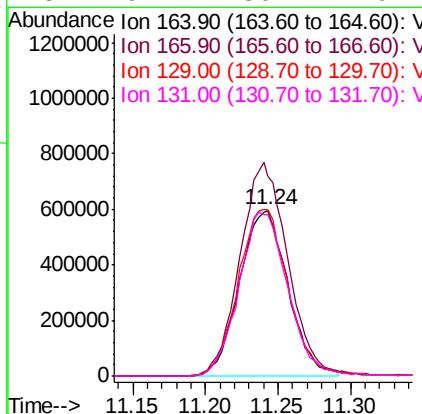
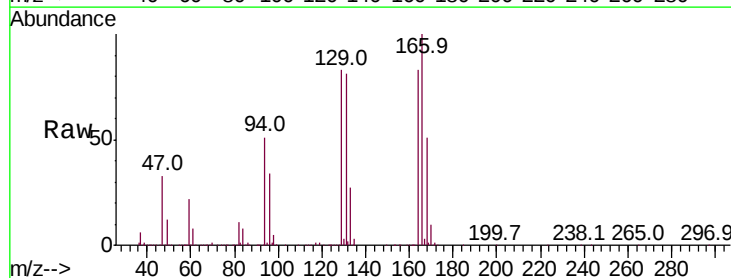
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

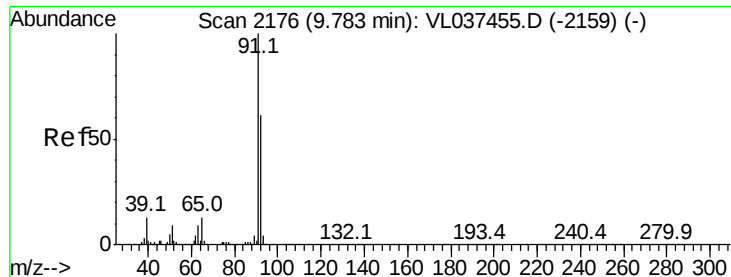
Tot Ion: 43 Resp: 1281739
Ion Ratio Lower Upper
43 100
58 50.9 41.0 61.6
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 8.264 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion: 164 Resp: 1377750
Ion Ratio Lower Upper
164 100
166 120.9 100.7 151.1
129 100.6 80.9 121.3
131 97.7 80.2 120.4





#53

Toluene

Concen: 9.209 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

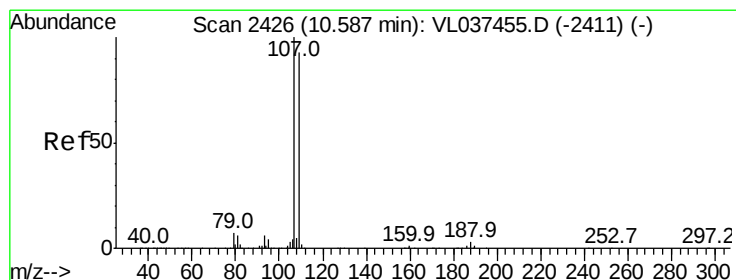
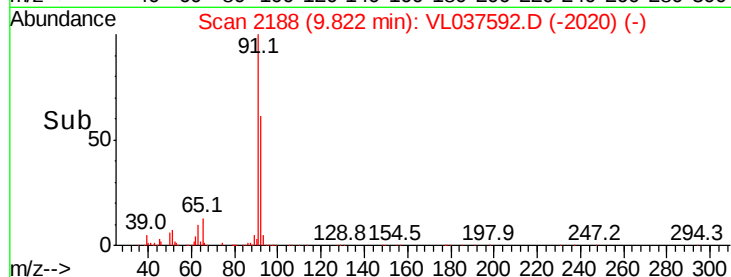
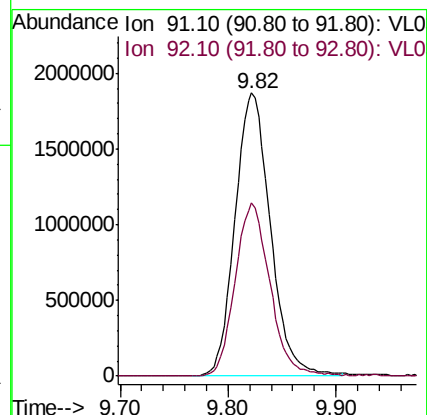
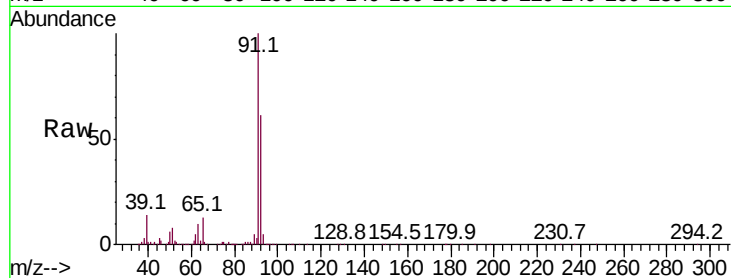
VSTDCCC010EC

Tot Ion: 91 Resp: 4278200

Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.714 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL037592.D

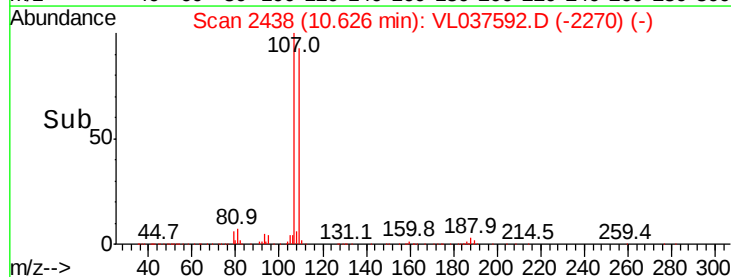
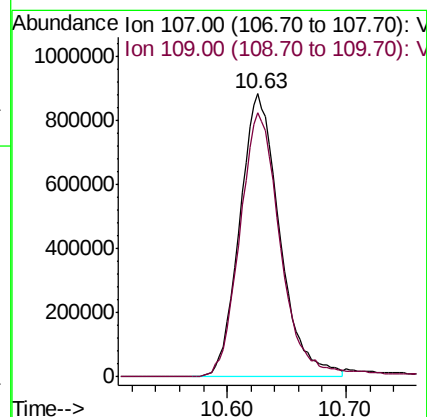
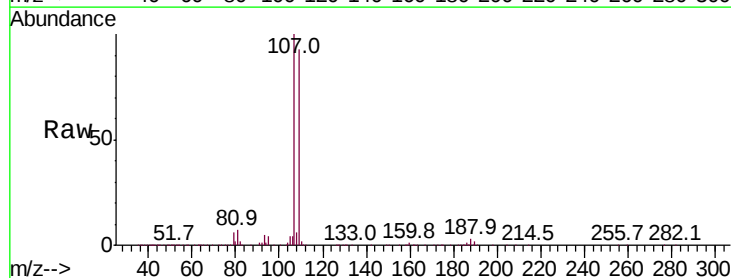
Acq: 9 Sep 2021 4:37

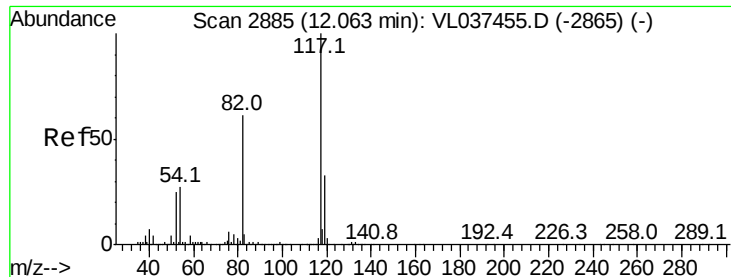
Tgt Ion: 107 Resp: 2054895

Ion Ratio Lower Upper

107 100

109 93.3 74.2 111.4

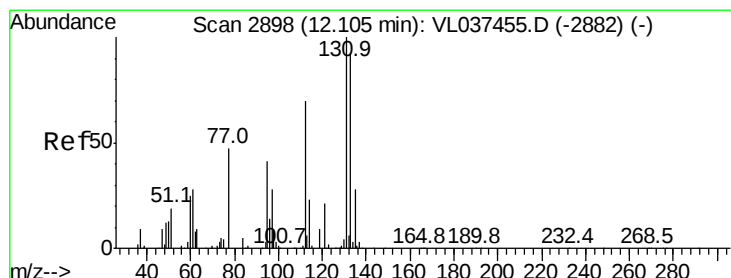
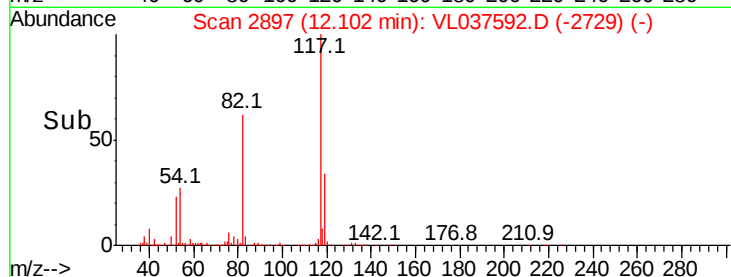
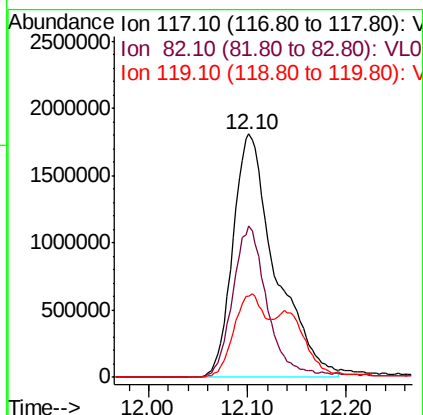
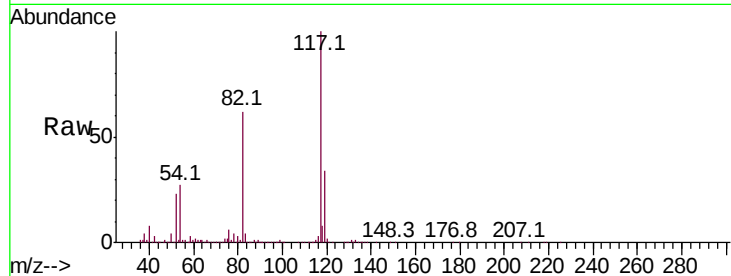




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

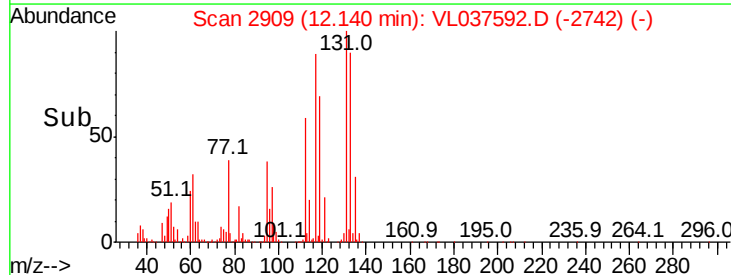
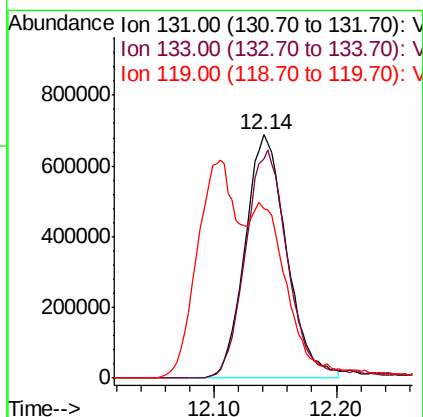
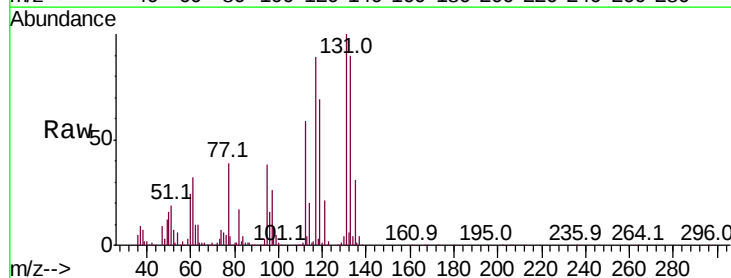
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

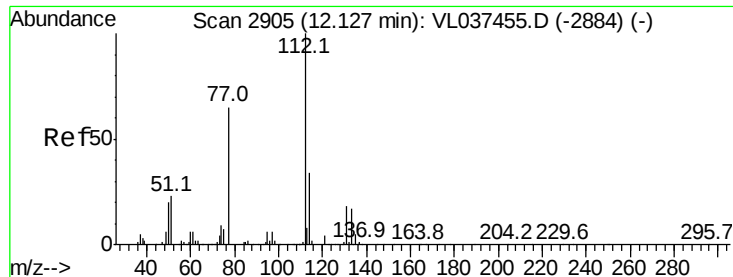
Tot Ion:117 Resp: 5424415
Ion Ratio Lower Upper
117 100
82 52.9 52.9 79.3
119 47.2 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.156 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion:131 Resp: 1617543
Ion Ratio Lower Upper
131 100
133 98.7 78.7 118.1
119 159.7 56.6 85.0#





#57

Chlorobenzene

Concen: 6.895 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

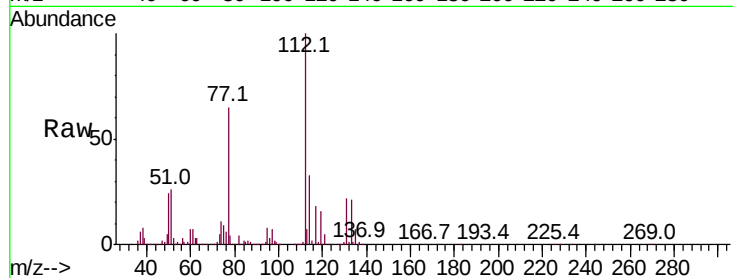
Tot Ion:112 Resp: 3103831

Ion Ratio Lower Upper

112 100

77 63.8 51.6 77.4

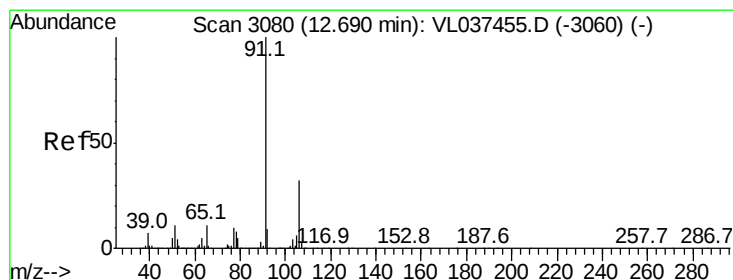
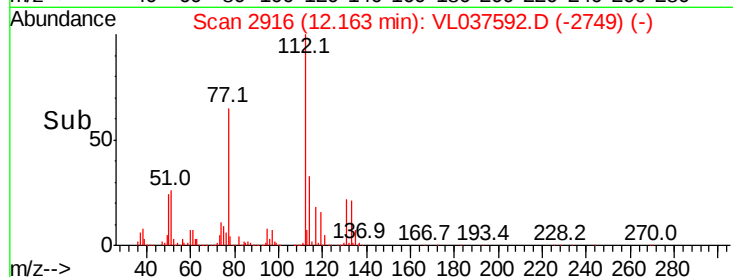
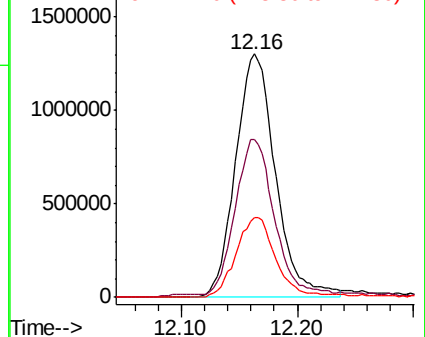
114 32.7 30.7 37.5



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: 7.223 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL037592.D

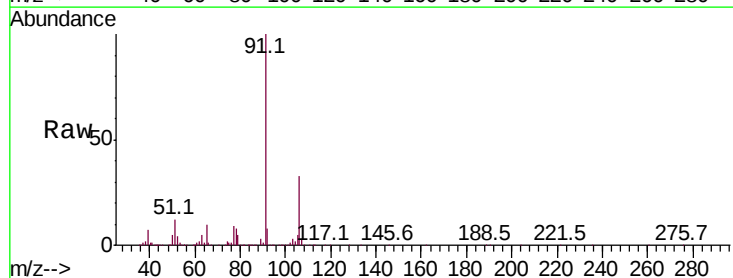
Acq: 9 Sep 2021 4:37

Tgt Ion: 91 Resp: 5437475

Ion Ratio Lower Upper

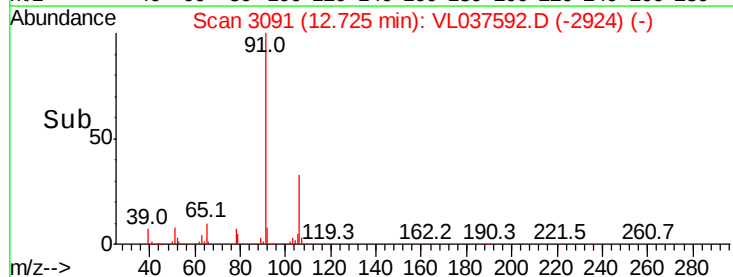
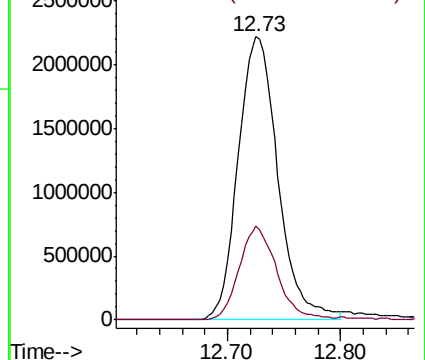
91 100

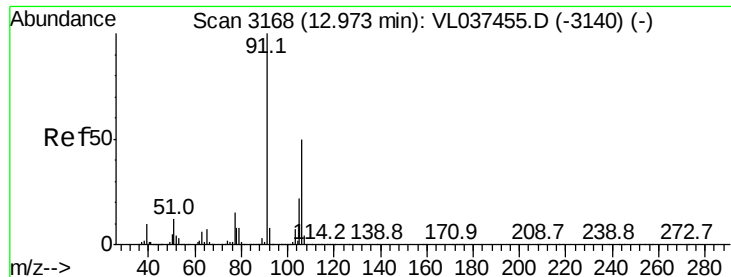
106 33.1 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.728 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

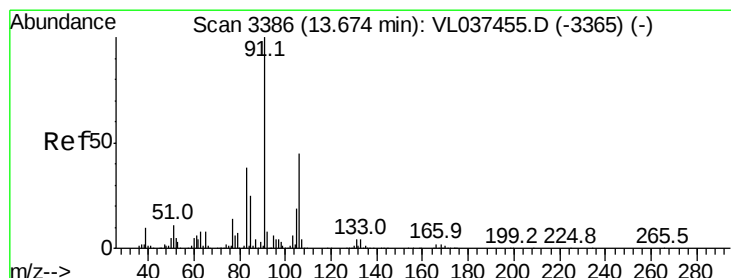
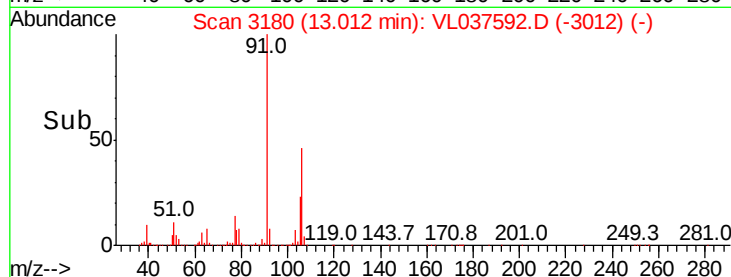
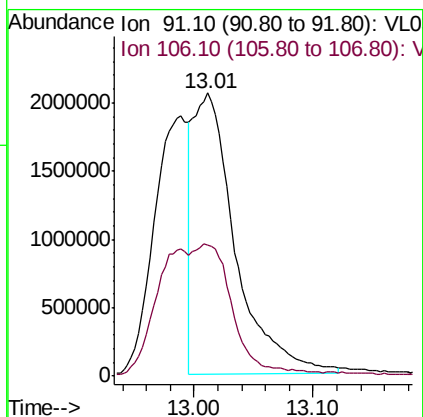
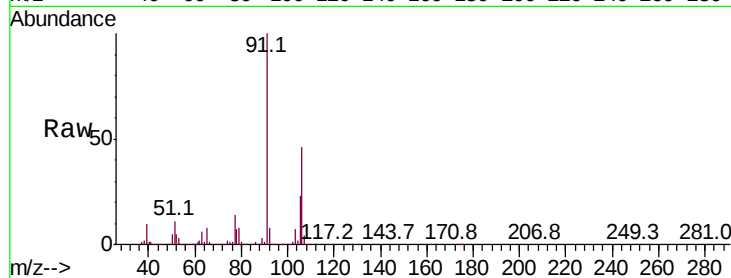
VSTDCCC010EC

Tot Ion: 91 Resp: 5043179

Ion Ratio Lower Upper

91 100

106 83.1 36.9 55.3#



#60

o-Xylene

Concen: 7.107 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.03 min

Lab File: VL037592.D

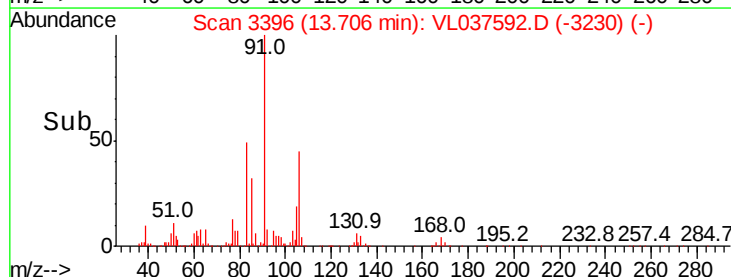
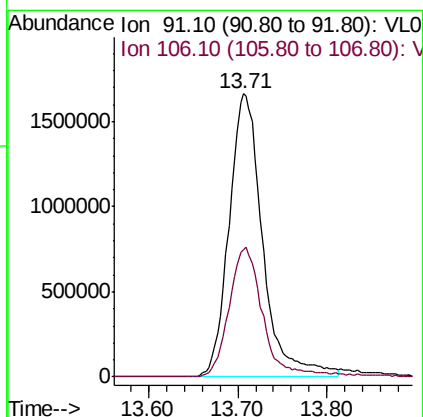
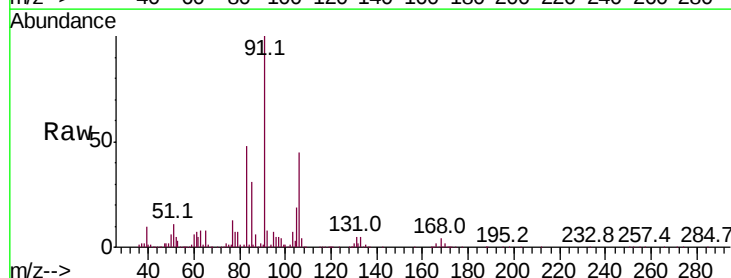
Acq: 9 Sep 2021 4:37

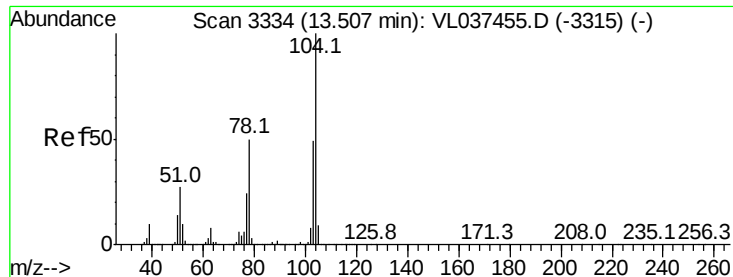
Tgt Ion: 91 Resp: 4328779

Ion Ratio Lower Upper

91 100

106 47.0 23.7 71.1

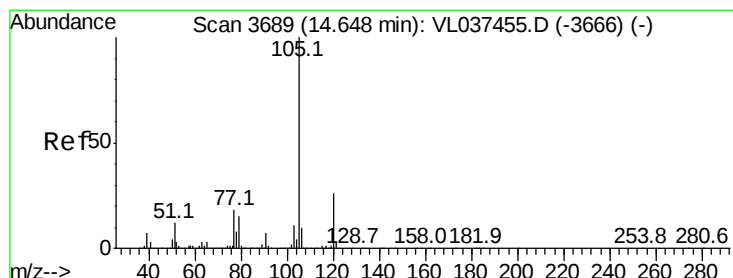
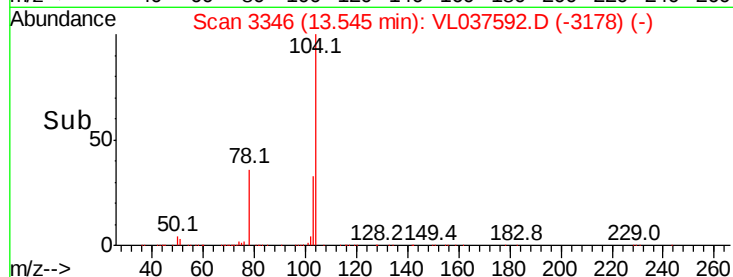
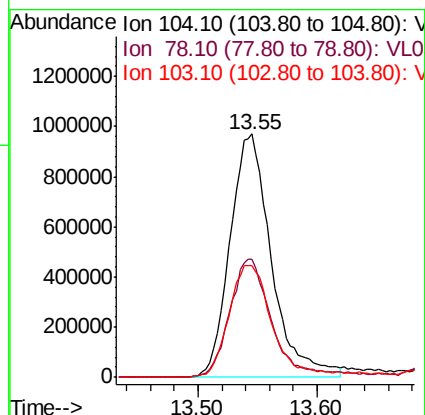
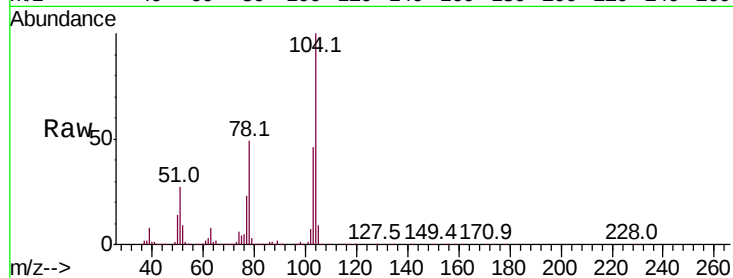




#61
Stvrene
Concen: 7.335 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.04 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

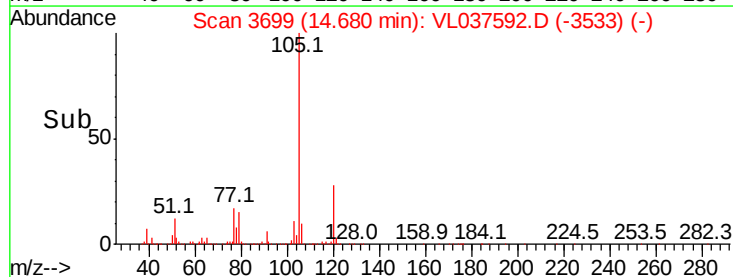
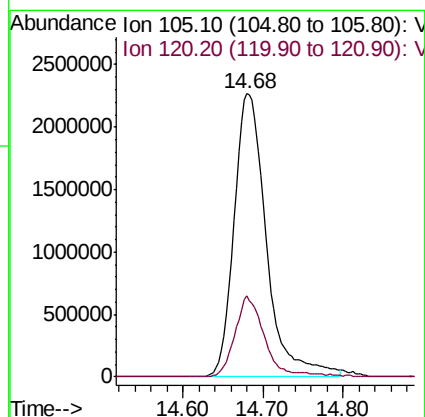
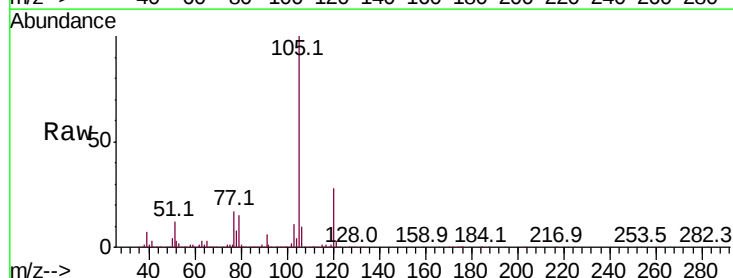
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

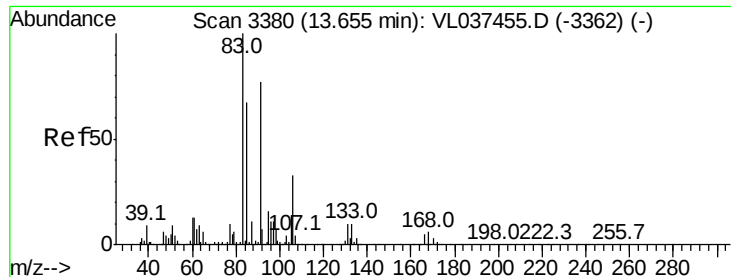
Tot Ion:104 Resp: 2320749
Ion Ratio Lower Upper
104 100
78 50.7 41.3 61.9
103 50.3 39.4 59.0



#62
Isopropylbenzene
Concen: 7.234 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.03 min
Lab File: VL037592.D
Acq: 9 Sep 2021 4:37

Tgt Ion:105 Resp: 6218188
Ion Ratio Lower Upper
105 100
120 26.6 21.5 32.3



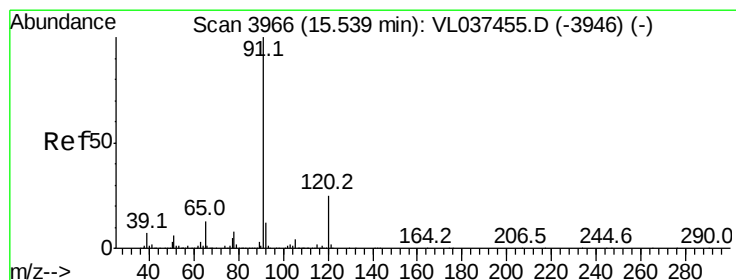
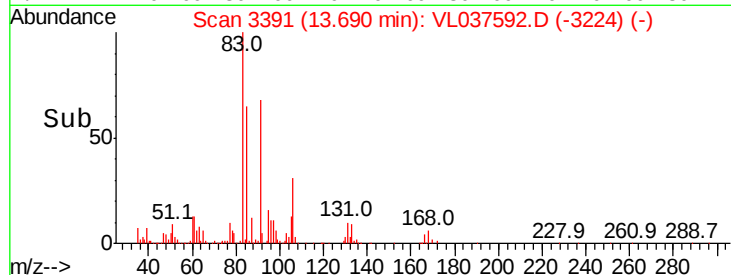
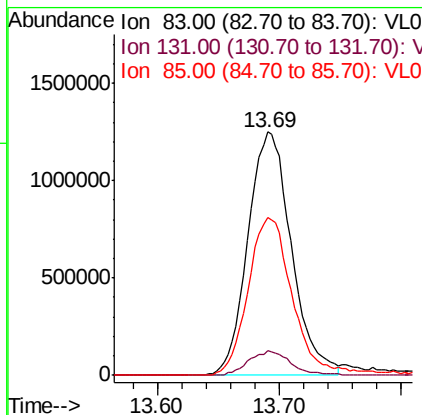
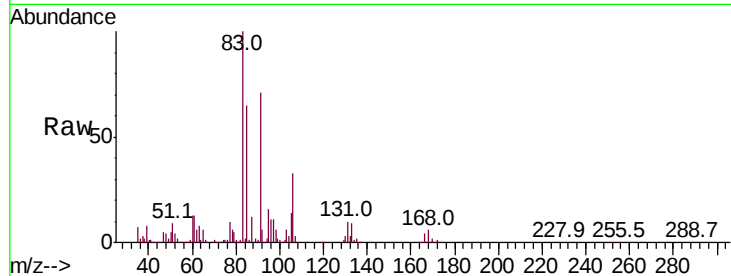


#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.791 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3074083

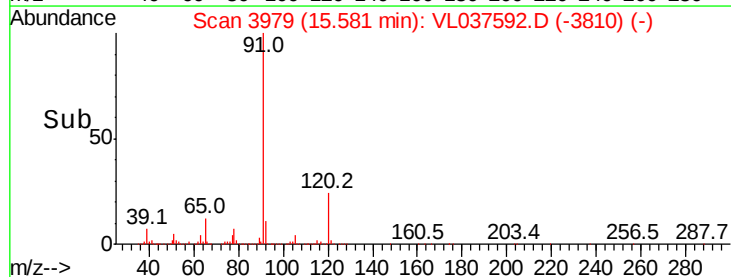
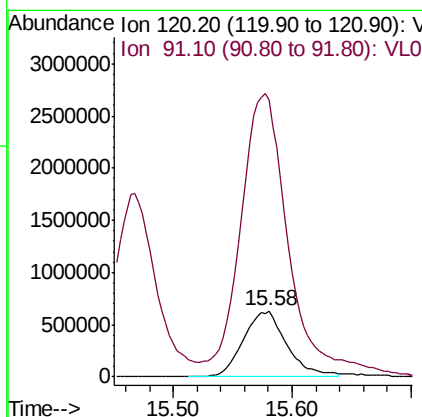
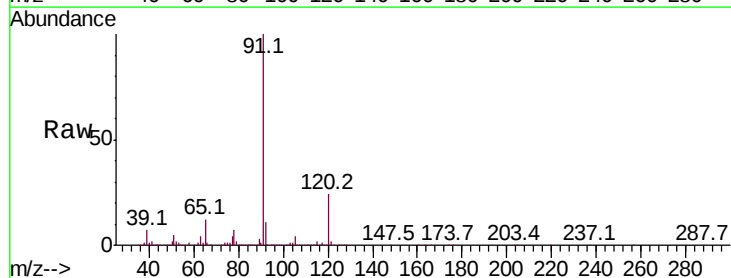
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	68.5	33.8	101.3

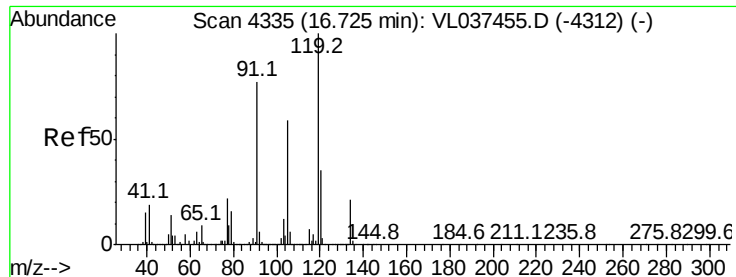


#64
 n-propylbenzene
 Concen: 7.277 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 120 Resp: 1591863

Ion	Ratio	Lower	Upper
120	100		
91	481.4	373.8	560.6





#65

tert-Butylbenzene

Concen: 6.881 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

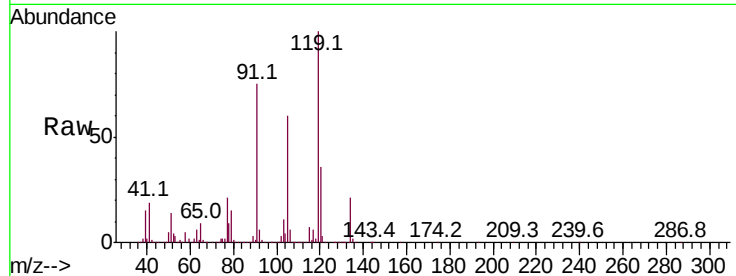
Tot Ion:119 Resp: 5387047

Ion Ratio Lower Upper

119 100

91 76.6 62.9 94.3

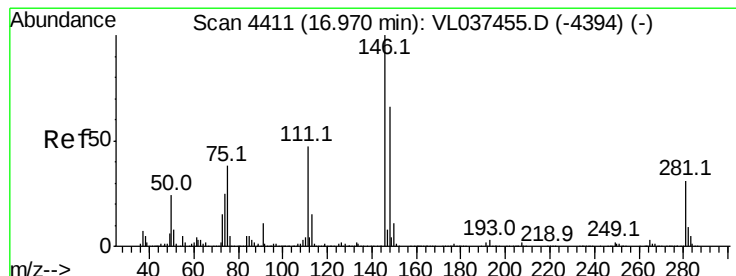
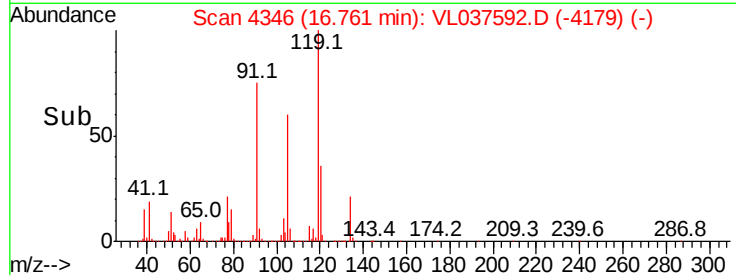
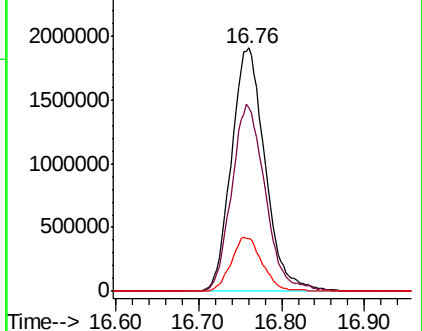
134 20.8 16.4 24.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 3.889 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

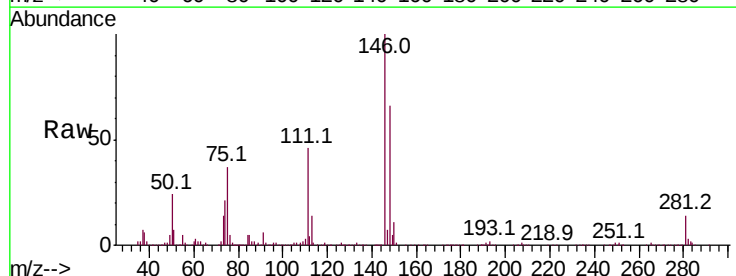
Tgt Ion: 91 Resp: 137719

Ion Ratio Lower Upper

91 100

126 21.4 15.9 23.9

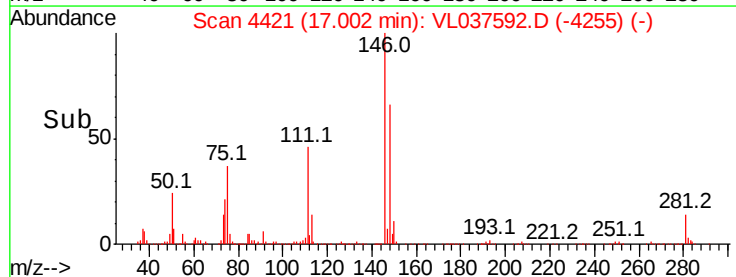
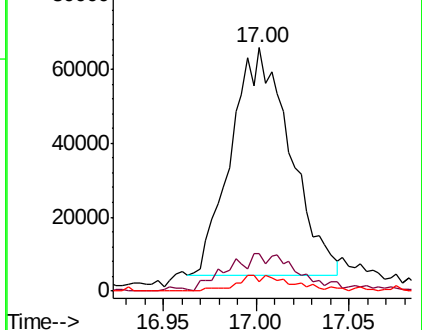
128 7.5 5.4 8.0

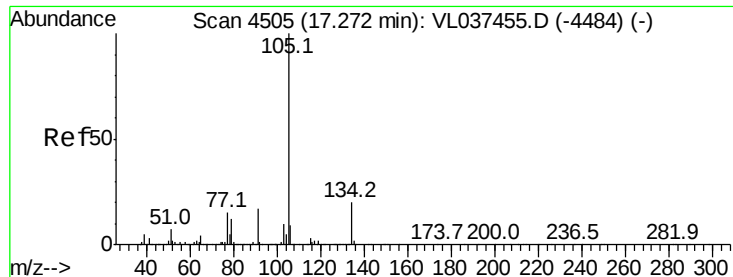


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

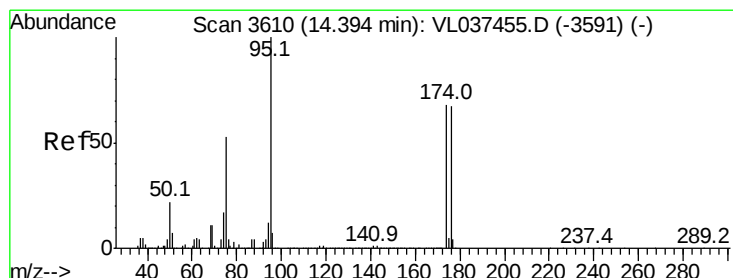
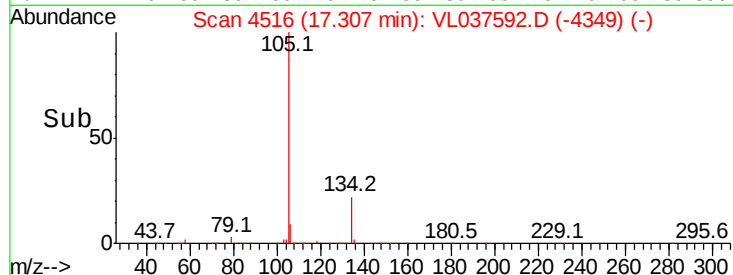
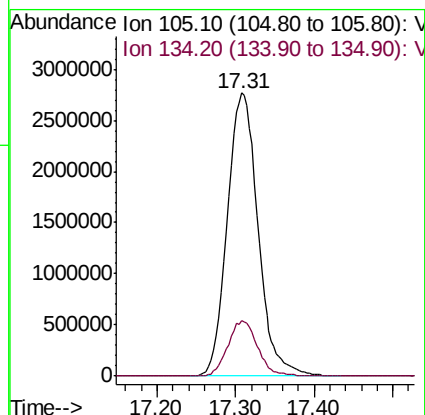
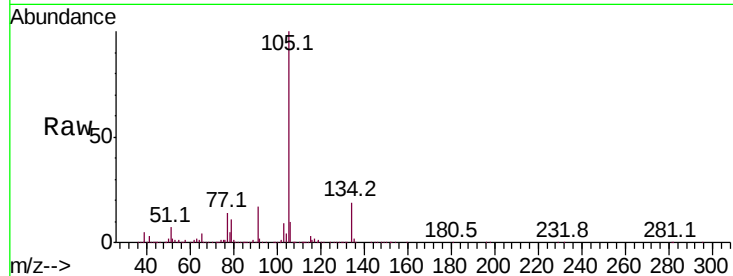




#67
 sec-Butylbenzene
 Concen: 6.842 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

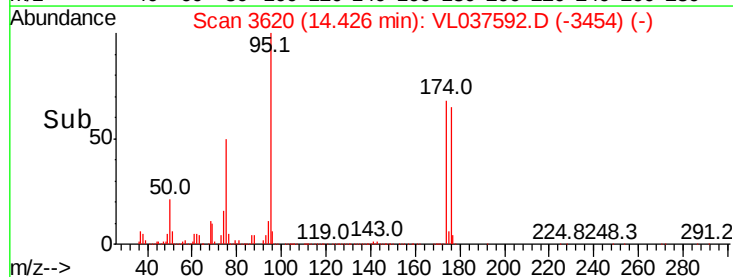
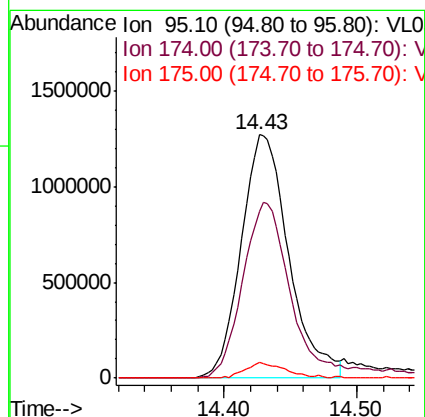
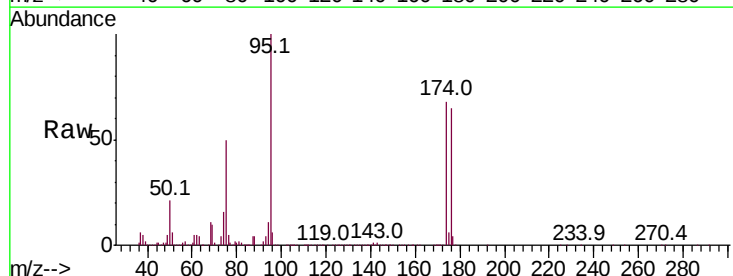
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

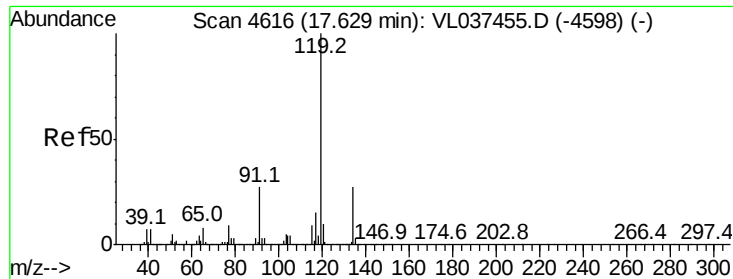
Tot Ion:105 Resp: 7485065
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.233 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.03 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 95 Resp: 3172665
 Ion Ratio Lower Upper
 95 100
 174 77.9 59.6 89.4
 175 6.1 4.6 7.0



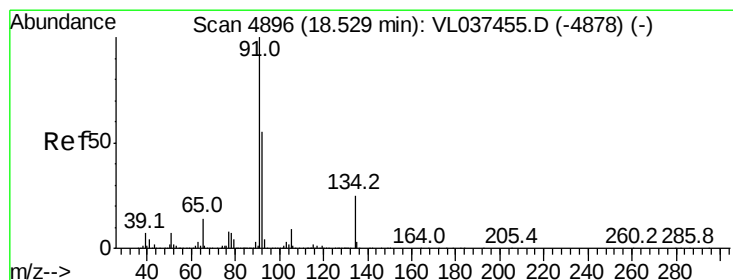
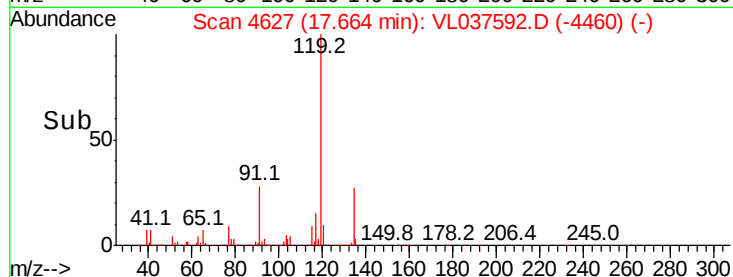
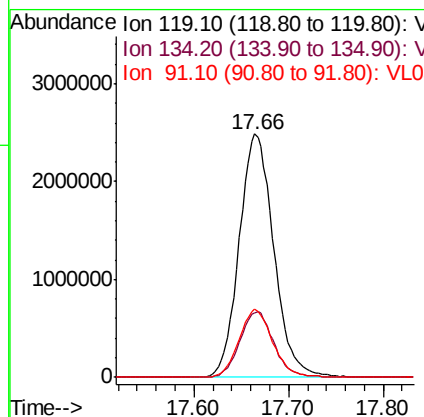
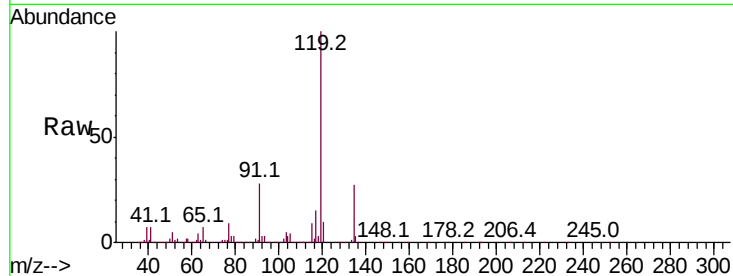


#69
 p-Isopropyltoluene
 Concen: 7.082 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6312938

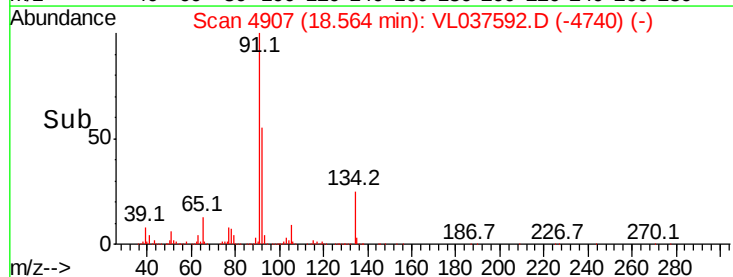
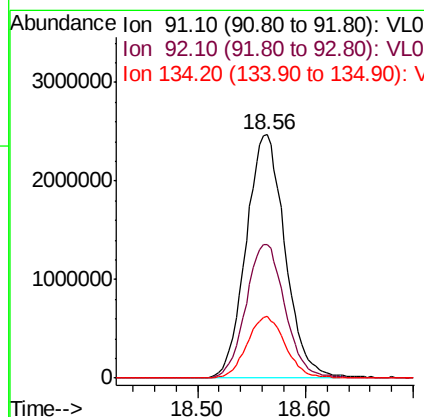
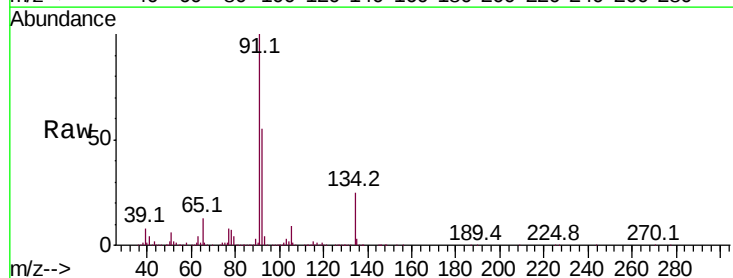
Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.1	31.7
91	27.1	22.4	33.6

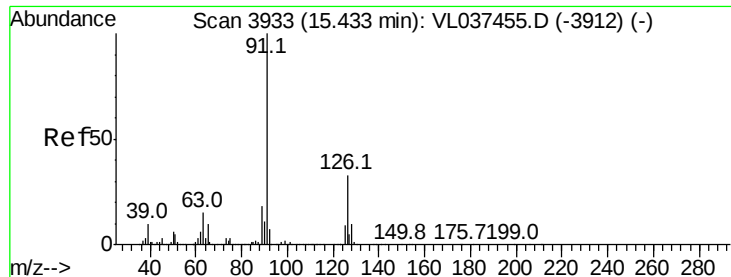


#70
 n-Butylbenzene
 Concen: 7.266 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion: 91 Resp: 6190224

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.0	66.0
134	25.0	19.5	29.3





#71

2-Chlorotoluene

Concen: 6.876 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

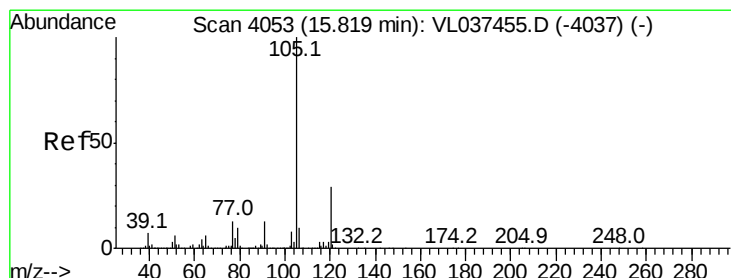
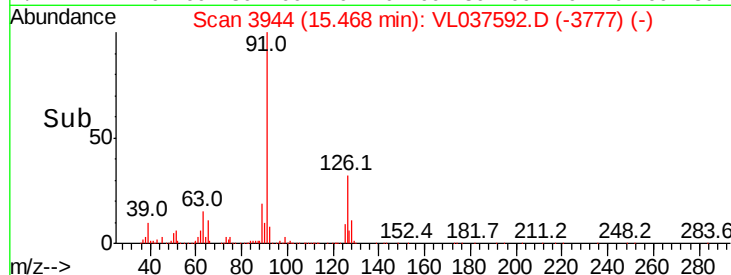
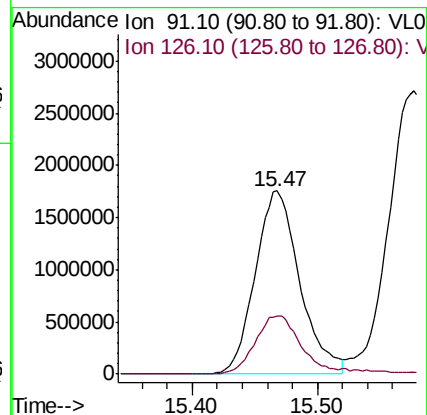
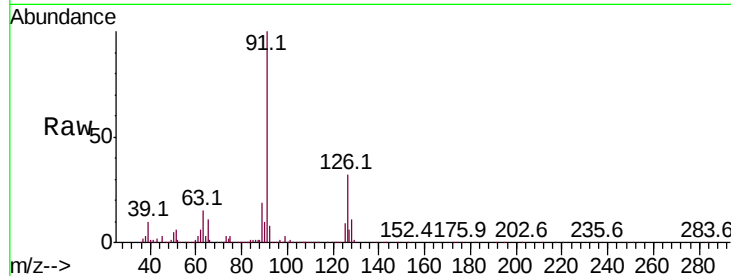
VSTDCCC010EC

Tot Ion: 91 Resp: 4334275

Ion Ratio Lower Upper

91 100

126 35.2 13.6 54.4



#72

4-Ethyltoluene

Concen: 7.107 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Tgt Ion:105 Resp: 5148532

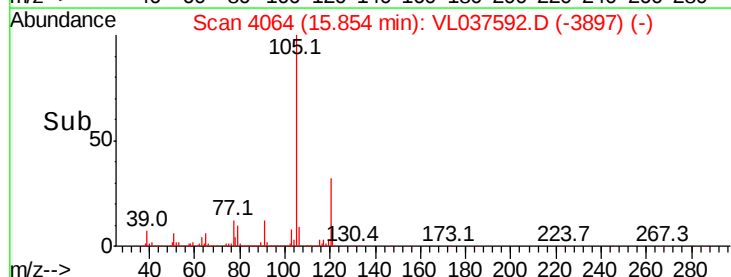
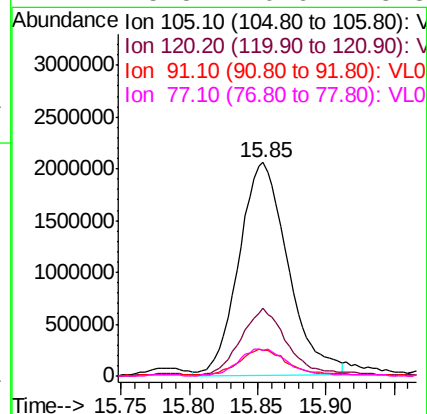
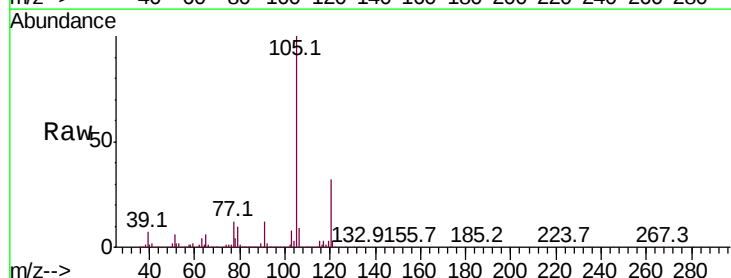
Ion Ratio Lower Upper

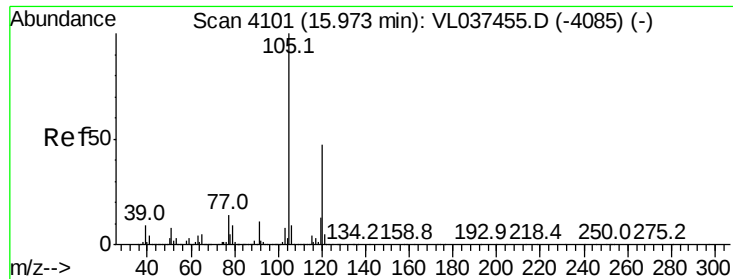
105 100

120 30.8 24.7 37.1

91 11.7 9.8 14.8

77 13.8 10.6 15.8

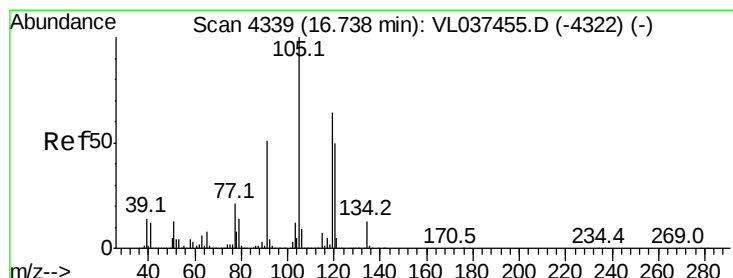
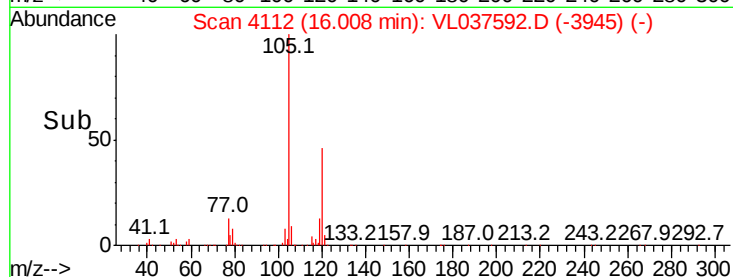
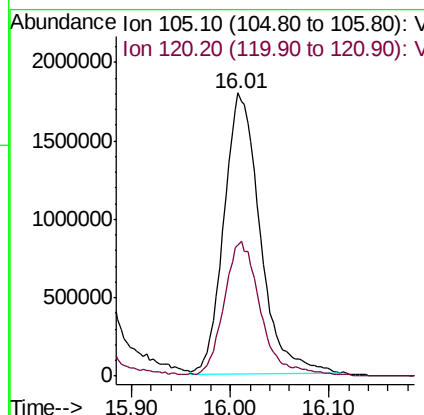
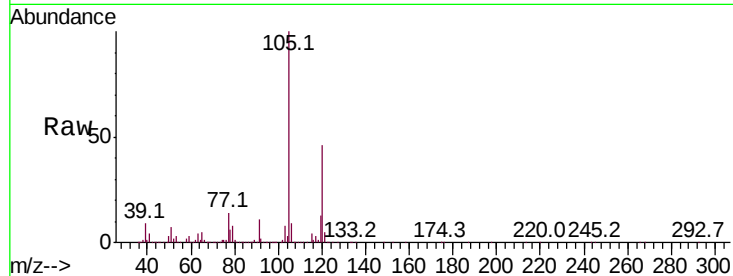




#73
 1,3,5-Trimethylbenzene
 Concen: 6.845 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

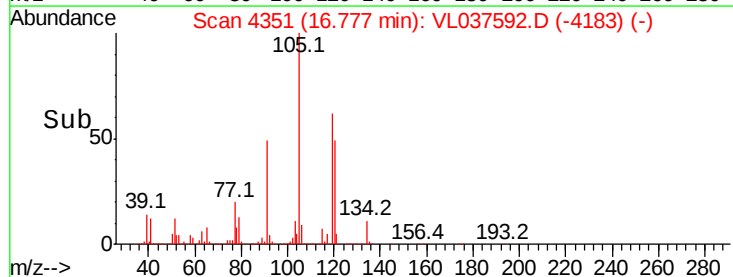
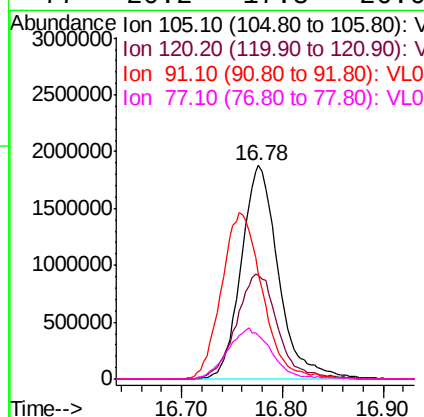
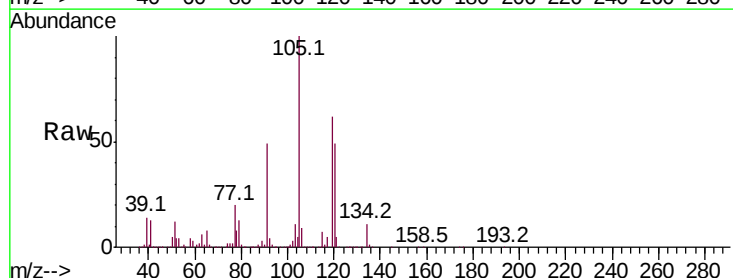
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

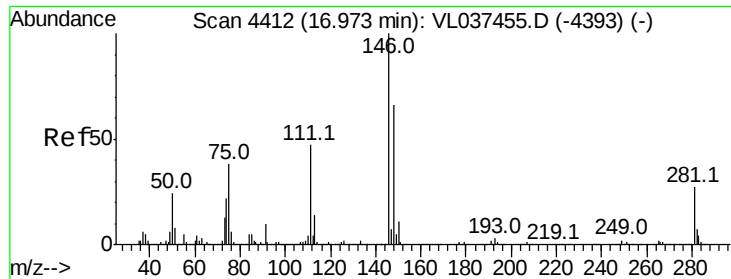
Tot Ion:105 Resp: 4616360
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 6.669 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion:105 Resp: 4779156
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.4 60.6
 91 48.2 44.6 67.0
 77 20.2 17.8 26.6

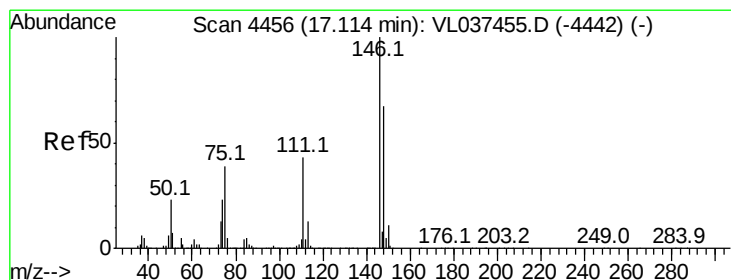
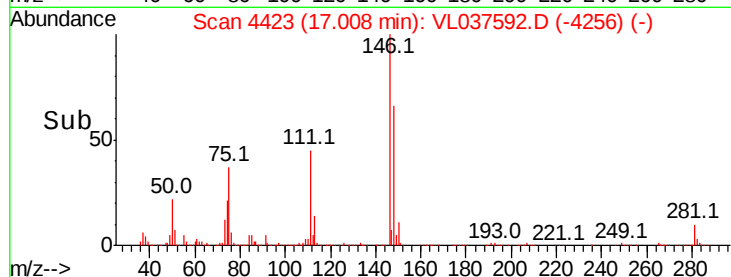
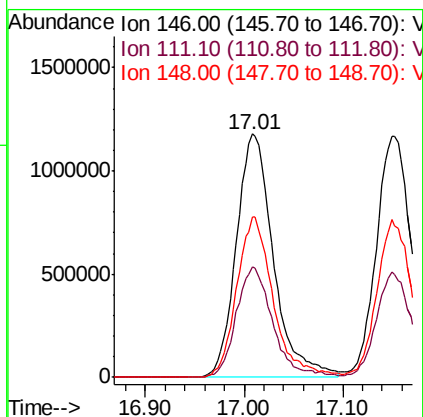
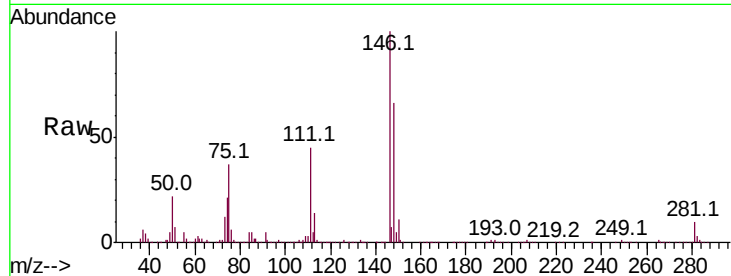




#75
 1,3-Dichlorobenzene
 Concen: 7.129 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

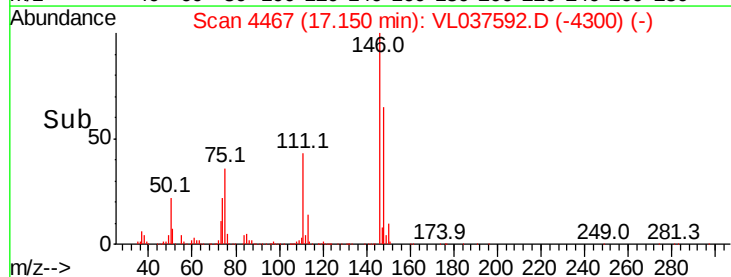
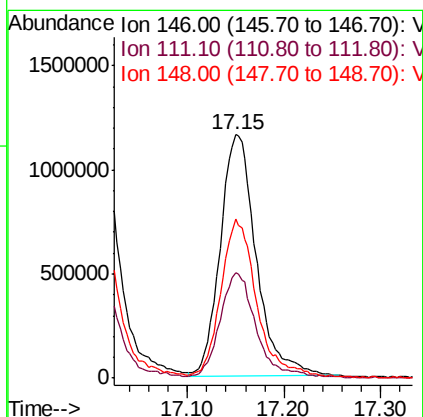
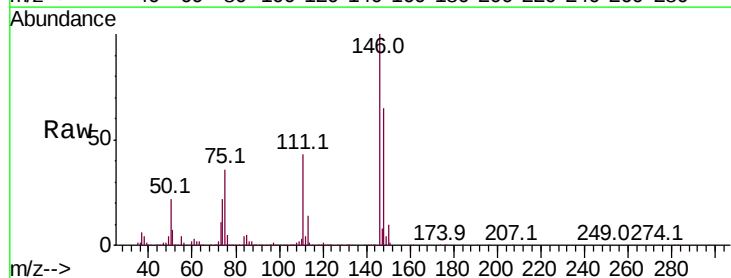
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

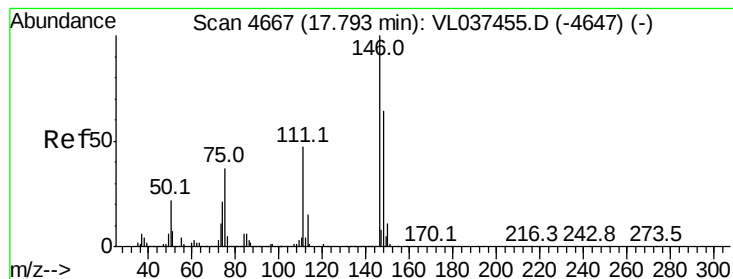
Tot Ion:146 Resp: 3075033
 Ion Ratio Lower Upper
 146 100
 111 44.7 23.4 70.0
 148 64.8 33.1 99.5



#76
 1,4-Dichlorobenzene
 Concen: 6.934 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.04 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Tgt Ion:146 Resp: 3013108
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.1 66.5
 148 65.5 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 7.158 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.04 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

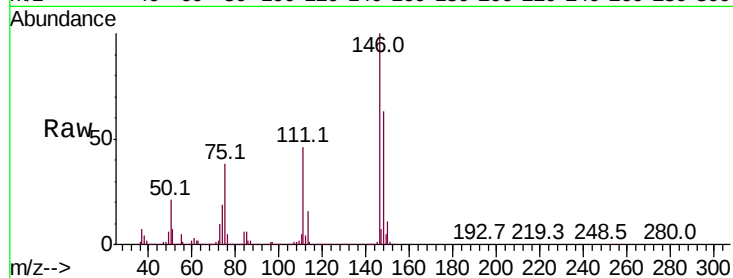
Tot Ion:146 Resp: 3040400

Ion Ratio Lower Upper

146 100

111 46.0 23.4 70.3

148 63.5 32.5 97.5

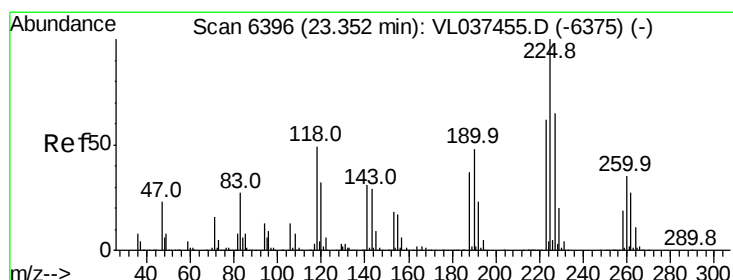
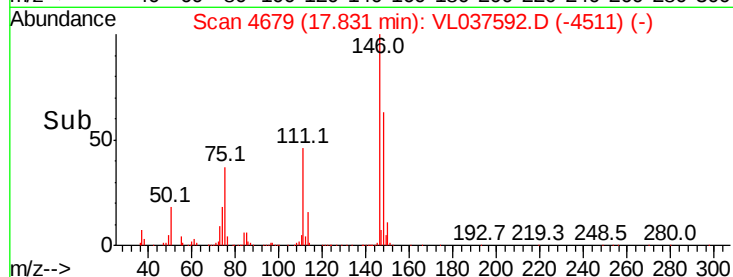
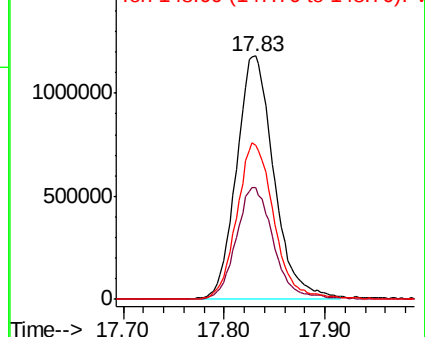


Abundance

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: 7.064 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

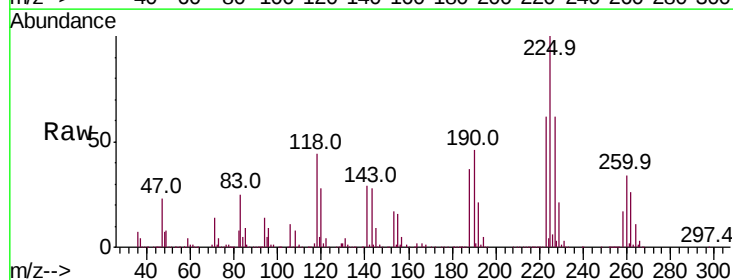
Tgt Ion:225 Resp: 2494686

Ion Ratio Lower Upper

225 100

223 63.3 51.4 77.0

227 64.5 52.9 79.3

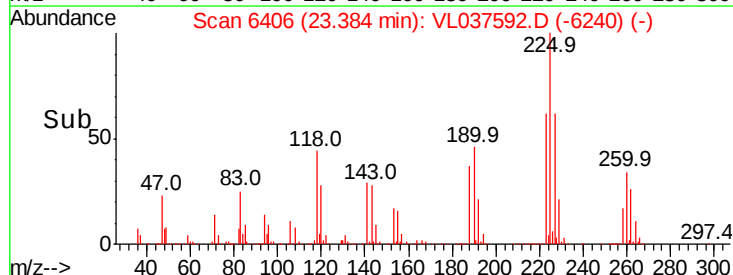
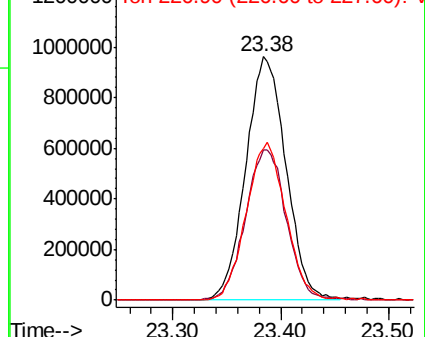


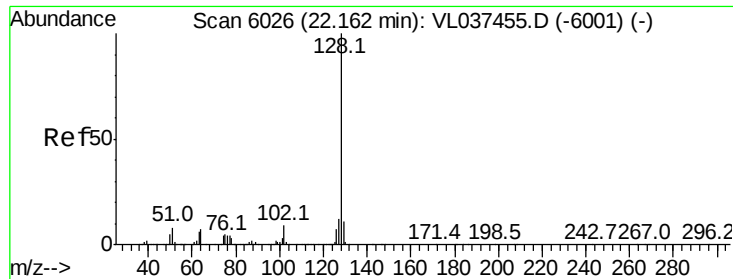
Abundance

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: 8.930 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. 0.05 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Instrument :

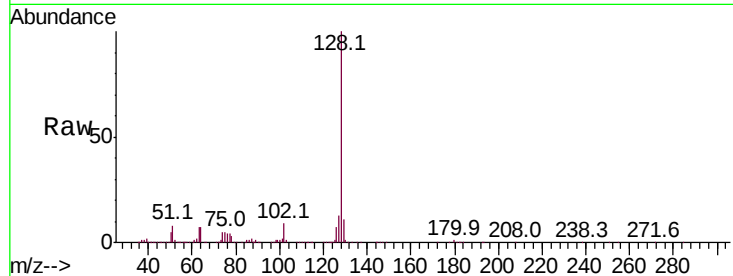
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4282303

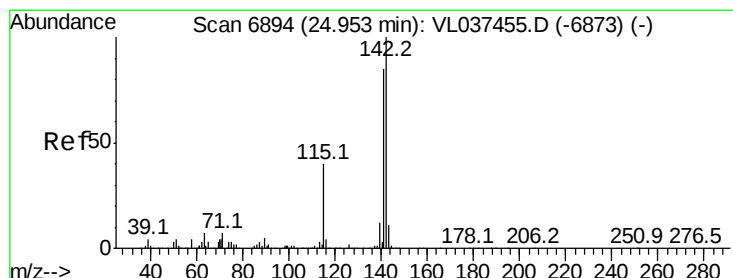
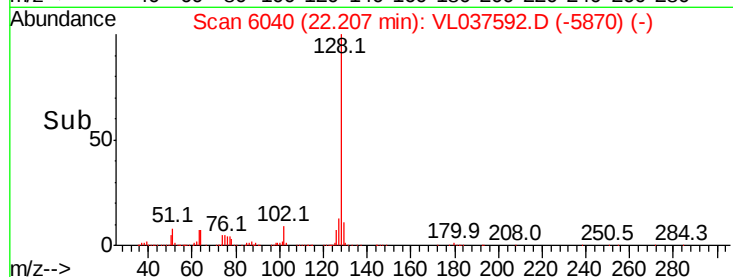
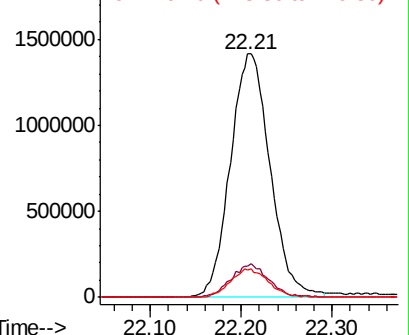
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.4	14.2
129	11.4	8.8	13.2



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: 10.271 ppbv

RT: 24.98 min Scan# 6902

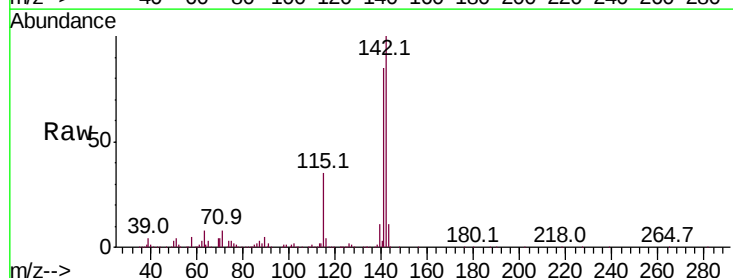
Delta R.T. 0.03 min

Lab File: VL037592.D

Acq: 9 Sep 2021 4:37

Tgt Ion:142 Resp: 1372287

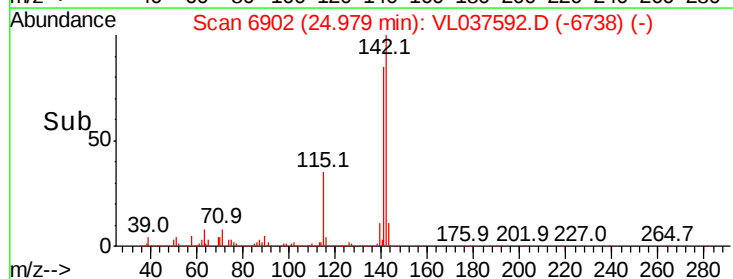
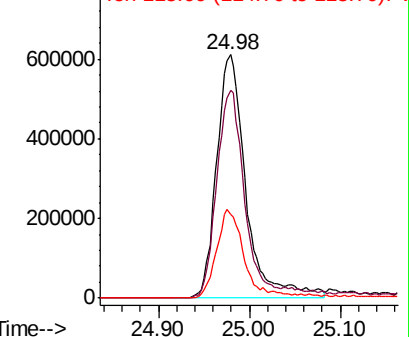
Ion	Ratio	Lower	Upper
142	100		
141	90.1	64.7	97.1
115	35.6	28.4	42.6

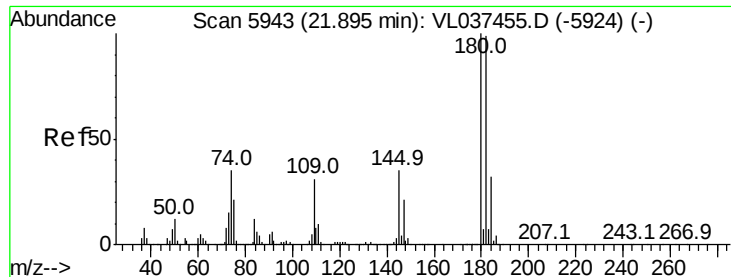


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

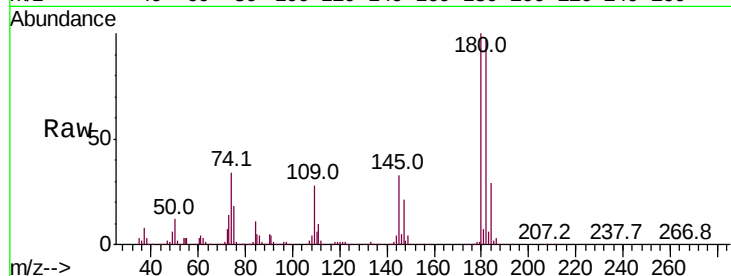




#81
 1,2,4-Trichlorobenzene
 Concen: 8.511 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.05 min
 Lab File: VL037592.D
 Acq: 9 Sep 2021 4:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 2561314
 Ion Ratio Lower Upper
 180 100
 182 97.3 79.6 119.4
 184 30.3 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

