

Data File : VL037267.D
Acq On : 2 Jul 2021 9:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jul 02 14:49:00 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1322777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3895625	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4536378	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2874398	8.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.60%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.06	85	2280115	9.911	ppbv 98
3) Chlorodifluoromethane	3.00	51	2281531	8.870	ppbv 99
4) Chloromethane	3.15	50	776358	9.057	ppbv 96
5) Vinyl Chloride	3.27	62	849505	9.017	ppbv 100
6) Bromomethane	3.48	94	486190	8.650	ppbv 96
7) Chloroethane	3.57	64	315357	9.364	ppbv 94
8) Dichlorotetrafluoroethane	3.20	85	2199757	9.321	ppbv 98
9) Propene	3.02	41	709828	8.631	ppbv 100
10) Heptane	8.14	43	1867066	9.374	ppbv 99
11) Trichlorofluoromethane	3.96	101	2358209	9.607	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1665431	9.625	ppbv 99
13) Ethanol	3.62	45	84823	6.667	ppbv 54
14) Bromoethene	3.75	108	698537	9.672	ppbv 99
15) Acetone	3.86	43	1155782	7.748	ppbv 98
16) 1,3-Butadiene	3.34	39	839557	9.521	ppbv 100
17) tert-Butyl alcohol	4.30	59	1338677	9.710	ppbv 100
18) 1,1-Dichloroethene	4.30	96	740349	9.655	ppbv 97
19) Isopropyl Alcohol	3.98	45	761397	8.427	ppbv 100
20) Methylene Chloride	4.36	84	657213	7.359	ppbv 98
21) Allyl Chloride	4.42	41	1068159	9.500	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	748718	9.868	ppbv 99
23) Vinyl Acetate	5.09	43	2107212	9.852	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1694310	9.839	ppbv 99
25) Ethyl Acetate	5.69	43	2987207	9.250	ppbv 99
26) Hexane	5.70	57	1418617	8.692	ppbv 99
27) Carbon Disulfide	4.56	76	1749282	10.939	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1890653	9.635	ppbv 99
29) Chloroform	5.77	83	2347559	9.311	ppbv 97
30) Cyclohexane	7.15	84	1245179	9.156	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1438397	9.591	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2456370	9.105	ppbv 100
34) 2-Butanone	5.26	43	1387816	9.160	ppbv 98
35) Carbon Tetrachloride	7.04	117	2627335	10.055	ppbv 99
36) Benzene	6.91	78	2931453	9.306	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1800918	9.841	ppbv 99
38) Trichloroethene	7.85	130	1266617	8.459	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1115498	9.530	ppbv 99
40) 1,4-Dioxane	7.85	88	293745	9.151	ppbv 82
41) Tetrahydrofuran	6.07	42	682896	9.704	ppbv 99
42) Bromodichloromethane	7.81	83	2524853	10.001	ppbv 99
43) Methyl Methacrylate	8.03	69	1079549	9.923	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4874418	9.189	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	916955	9.553	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1184627	9.022	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1260930	9.442	ppbv	98
48) Dibromochloromethane	10.33	129	2284344	10.836	ppbv	99
49) Bromoform	13.06	173	1872023	11.919	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2067592	9.936	ppbv	99
51) 2-Hexanone	10.16	43	1024510	10.119	ppbv #	100
52) Tetrachloroethene	11.24	164	1209357	8.262	ppbv	97
53) Toluene	9.83	91	3521777	9.359	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1871807	9.753	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1553414	7.832	ppbv #	61
57) Chlorobenzene	12.17	112	2687668	7.305	ppbv	97
58) Ethyl Benzene	12.73	91	4743962	7.596	ppbv	98
59) m/p-Xylene	13.02	91	4328400	8.179	ppbv #	43
60) o-Xylene	13.71	91	3831785	7.604	ppbv	99
61) Styrene	13.55	104	2120343	8.153	ppbv	97
62) Isopropylbenzene	14.69	105	5386843	7.518	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2600512	7.750	ppbv	100
64) n-propylbenzene	15.58	120	1408044	7.846	ppbv	93
65) tert-Butylbenzene	16.77	119	4906743	7.721	ppbv	99
66) Benzyl Chloride	17.01	91	216505	8.039	ppbv	98
67) sec-Butylbenzene	17.31	105	6527264	7.702	ppbv	99
69) p-Isopropyltoluene	17.67	119	5597281	7.819	ppbv	99
70) n-Butylbenzene	18.57	91	5224222	7.886	ppbv	99
71) 2-Chlorotoluene	15.47	91	3922829	7.830	ppbv	98
72) 4-Ethyltoluene	15.86	105	4515729	7.888	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4226439	7.638	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4408497	7.732	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2611663	7.533	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2496933	7.211	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	2506896	7.475	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	784796	2.722	ppbv #	21
79) Naphthalene	22.22	128	2831385	5.956	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	588071	4.717	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1663976	6.066	ppbv	99

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

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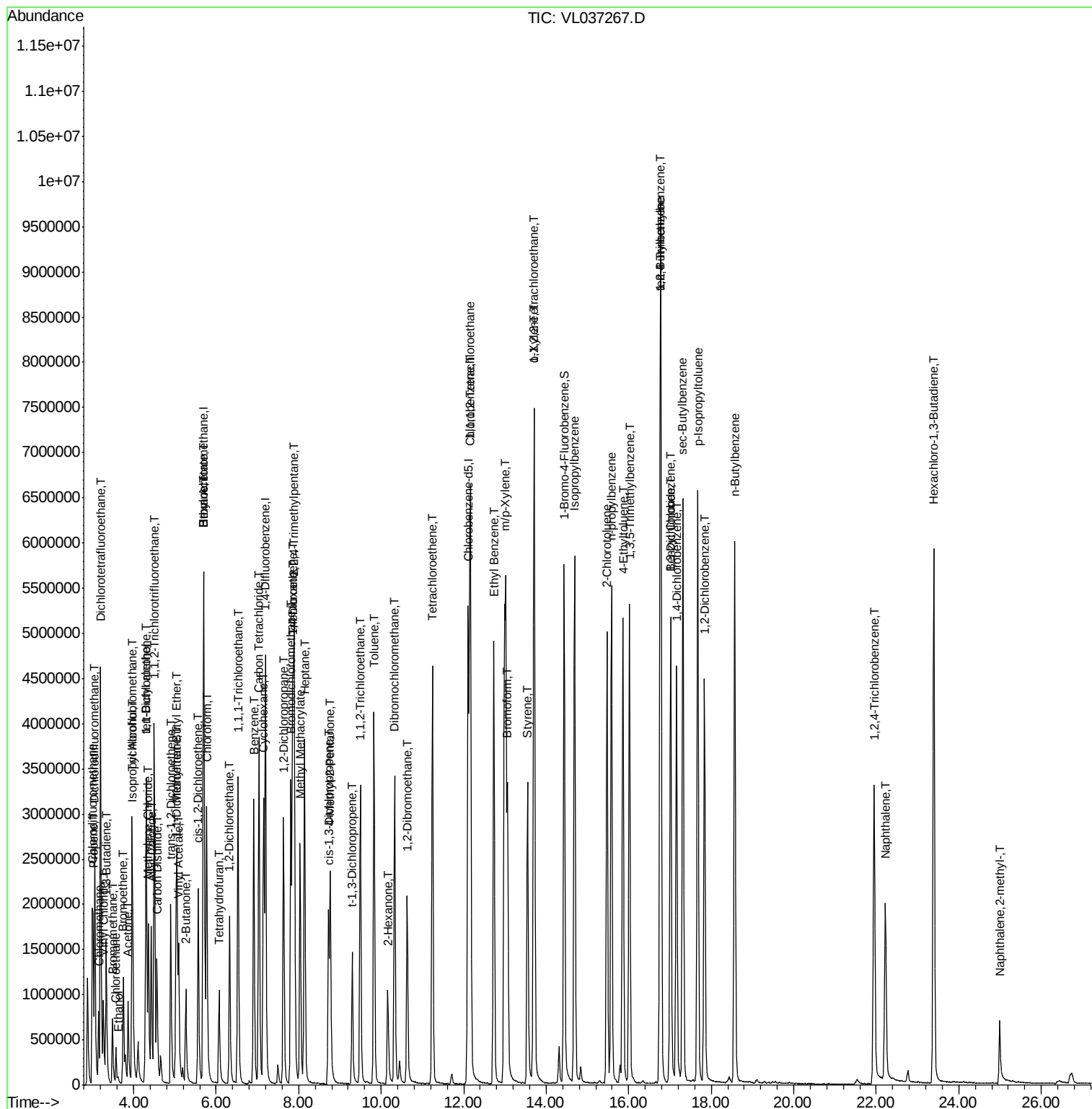
Quant Time: Jul 02 14:49:00 2021

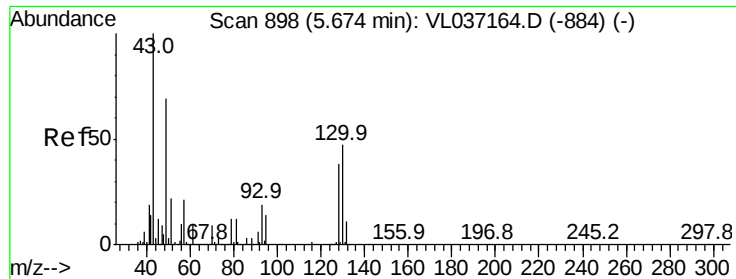
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL061621AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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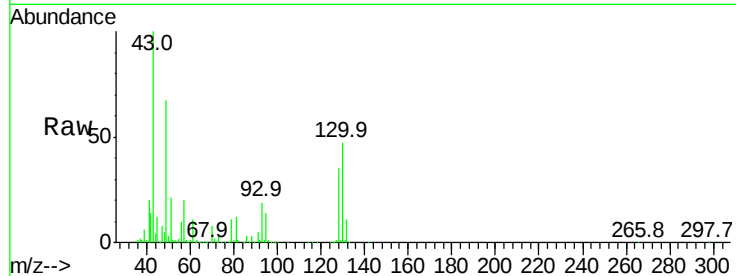
Tgt Ion: 49 Resp: 1322777

Ion Ratio Lower Upper

49 100

128 57.4 29.3 88.0

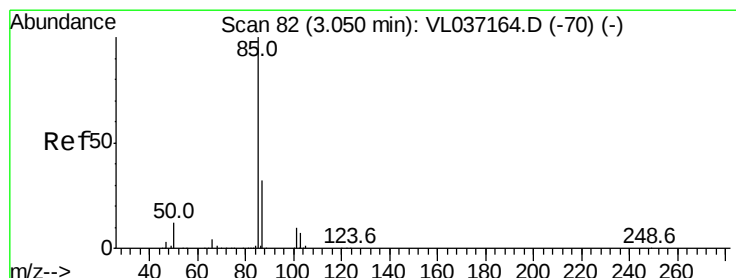
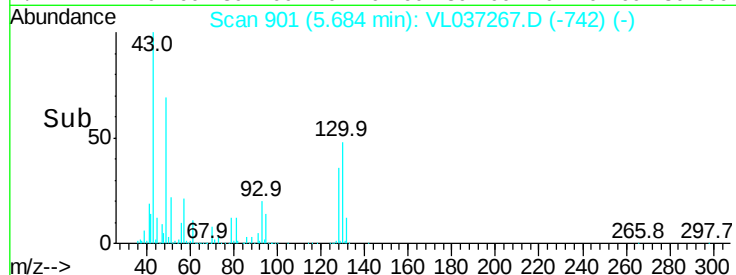
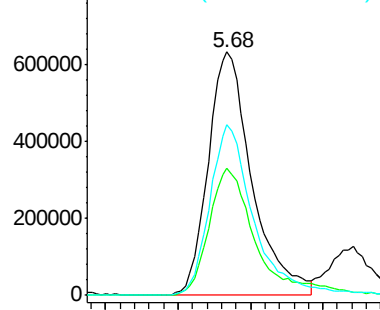
130 72.1 35.9 107.8



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: 9.911 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037267.D

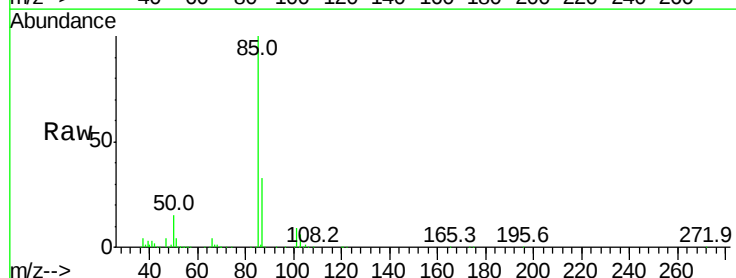
Acq: 2 Jul 2021 9:08

Tgt Ion: 85 Resp: 2280115

Ion Ratio Lower Upper

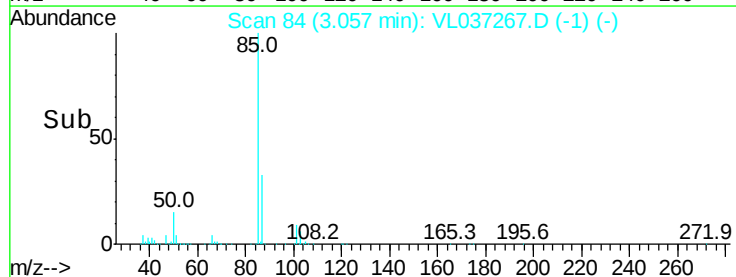
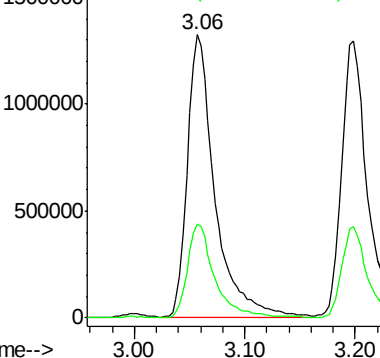
85 100

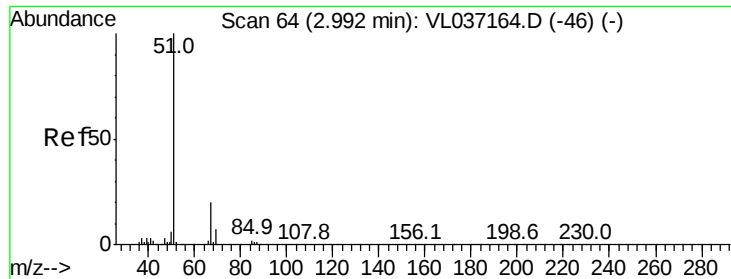
87 33.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

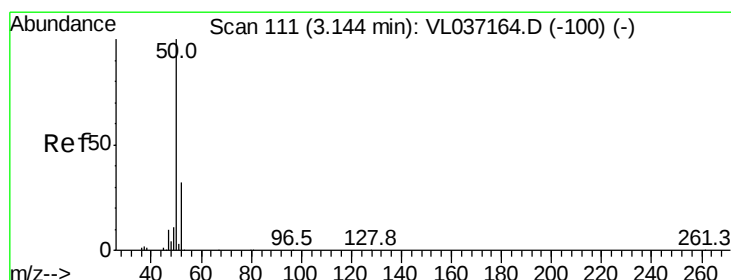
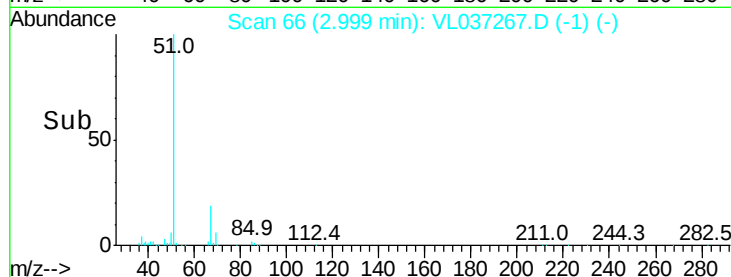
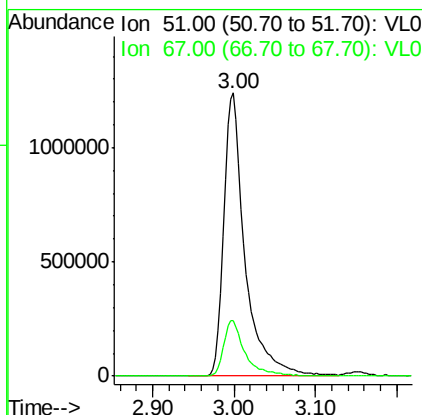
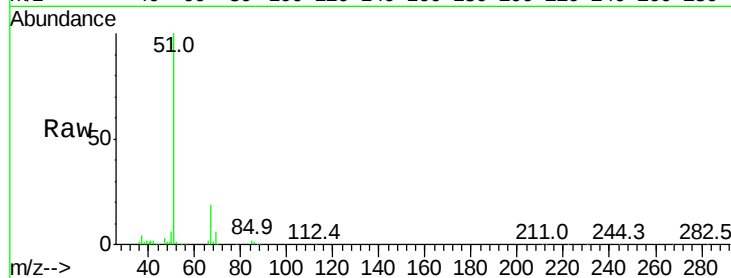




#3
Chlorodifluoromethane
Concen: 8.870 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

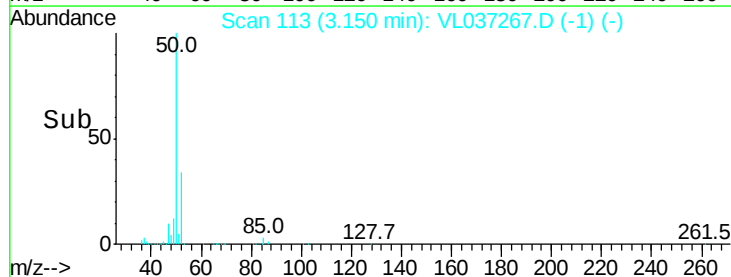
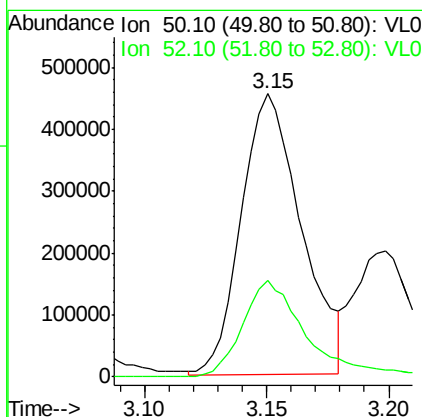
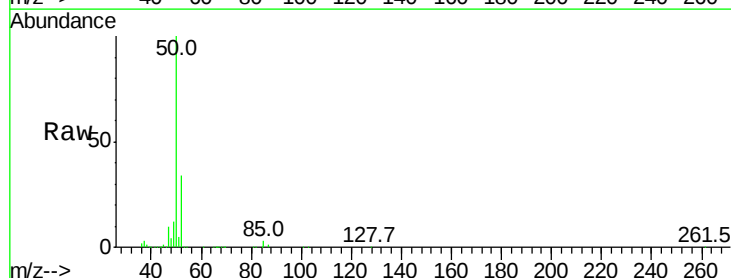
Instrument :
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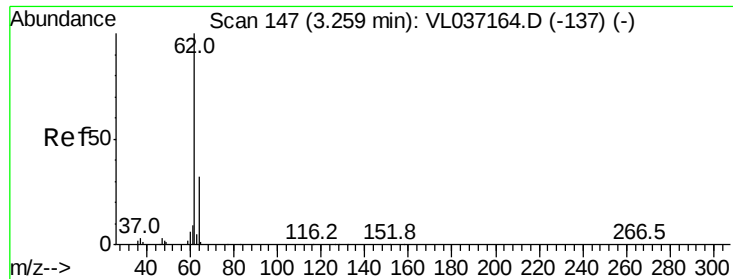
Tgt Ion: 51 Resp: 2281531
Ion Ratio Lower Upper
51 100
67 20.0 15.8 23.6



#4
Chloromethane
Concen: 9.057 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 50 Resp: 776358
Ion Ratio Lower Upper
50 100
52 34.5 25.8 38.8





#5

Vinyl Chloride

Concen: 9.017 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

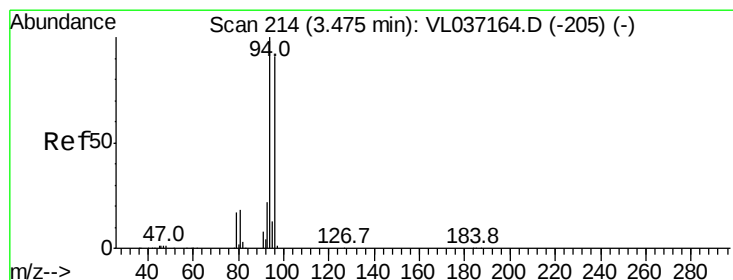
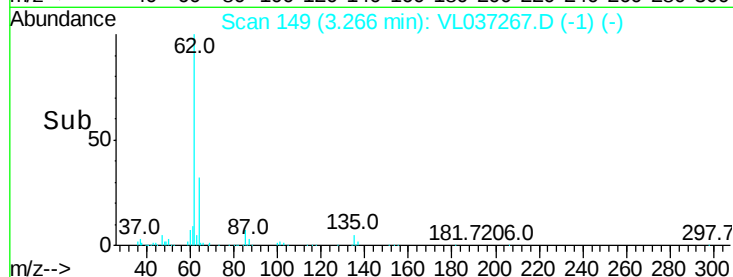
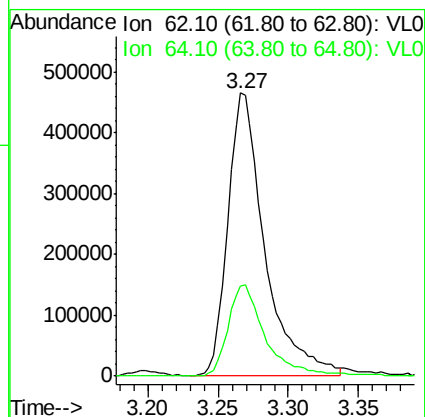
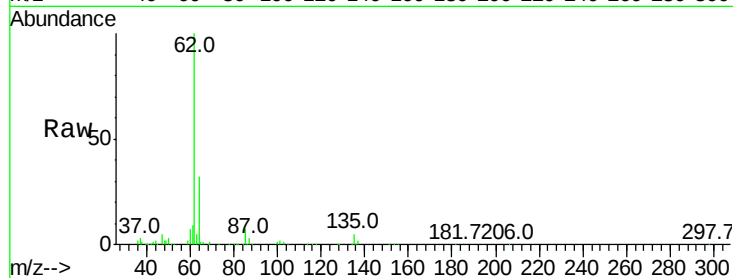
VSTDCCC010

Tgt Ion: 62 Resp: 849505

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



#6

Bromomethane

Concen: 8.650 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037267.D

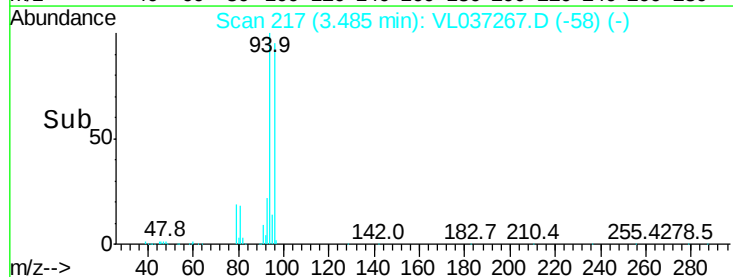
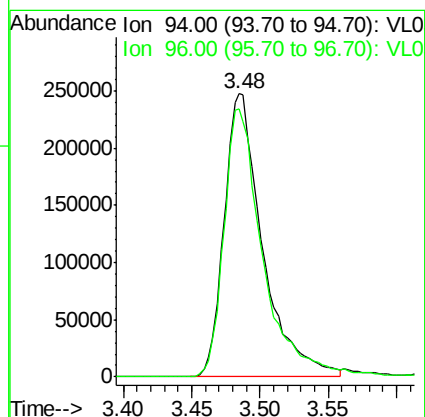
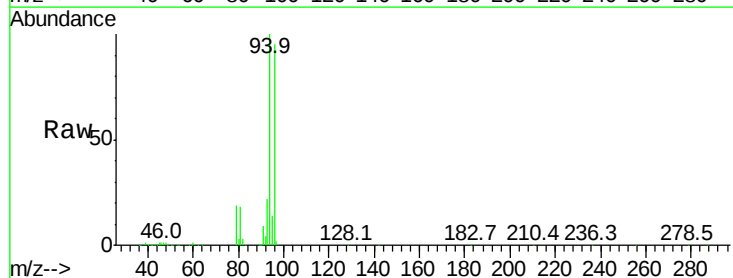
Acq: 2 Jul 2021 9:08

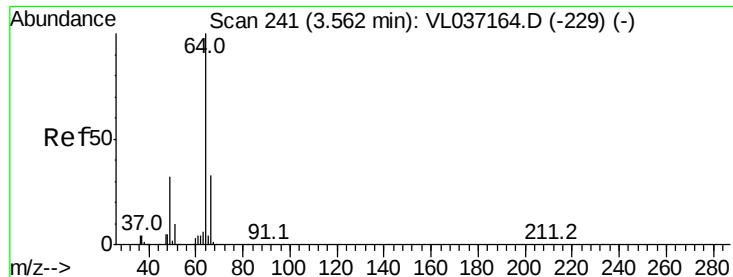
Tgt Ion: 94 Resp: 486190

Ion Ratio Lower Upper

94 100

96 94.5 72.6 108.8





#7

Chloroethane

Concen: 9.364 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

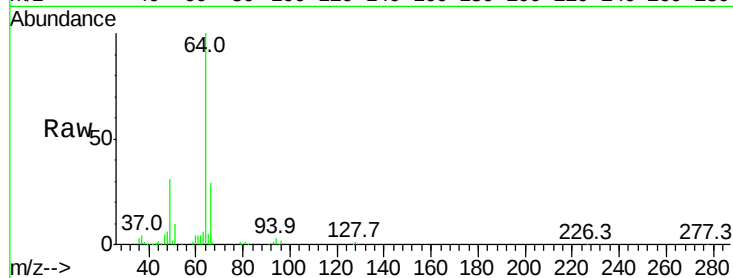
VSTDCCC010

Tgt Ion: 64 Resp: 315357

Ion Ratio Lower Upper

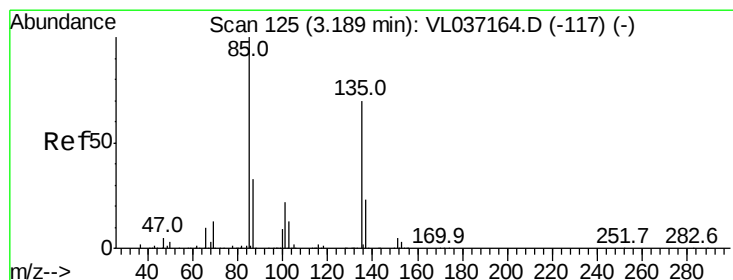
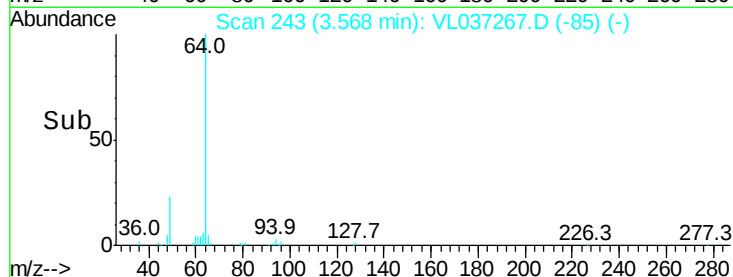
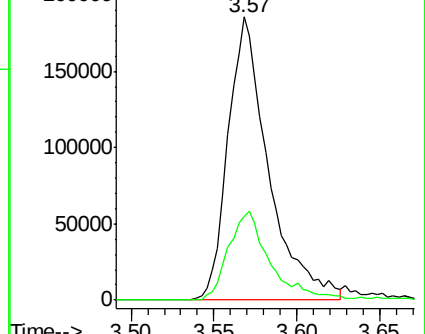
64 100

66 29.4 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.321 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037267.D

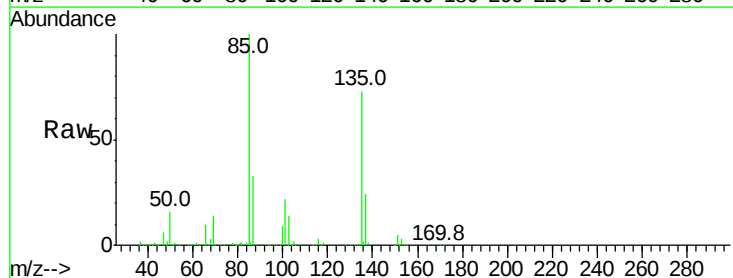
Acq: 2 Jul 2021 9:08

Tgt Ion: 85 Resp: 2199757

Ion Ratio Lower Upper

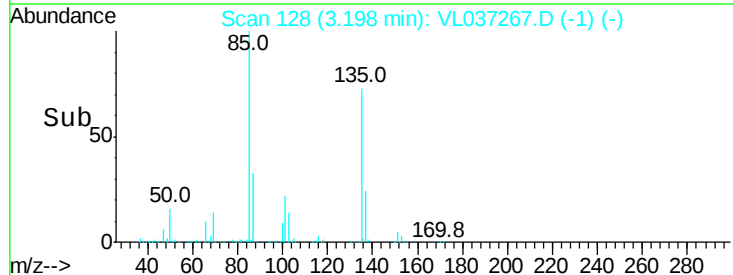
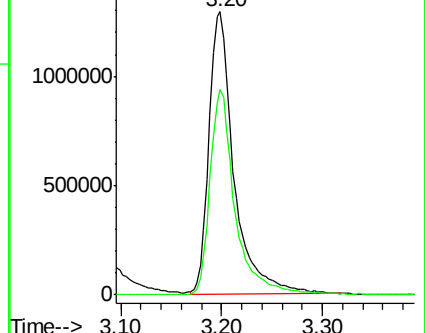
85 100

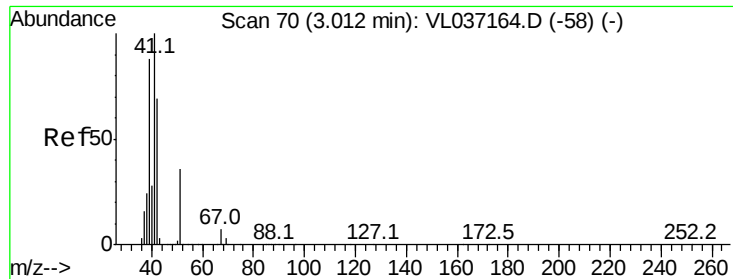
135 74.1 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.631 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

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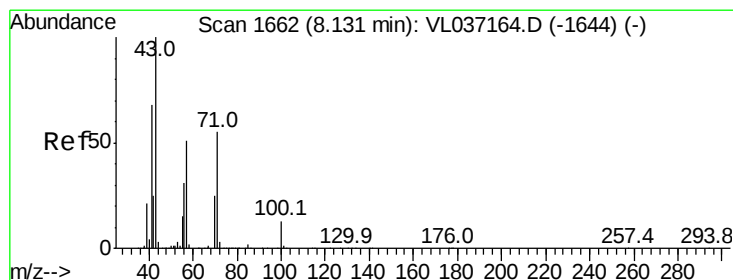
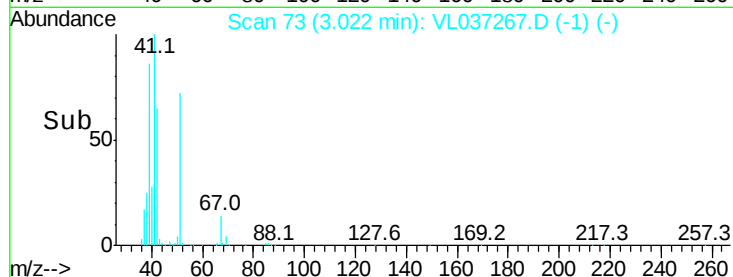
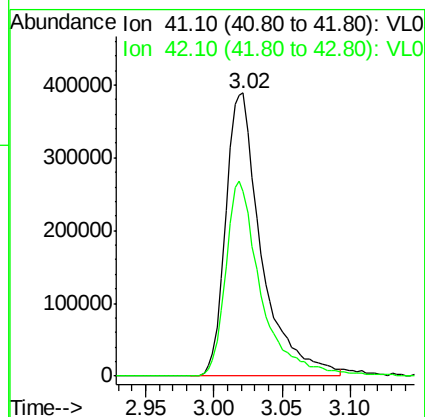
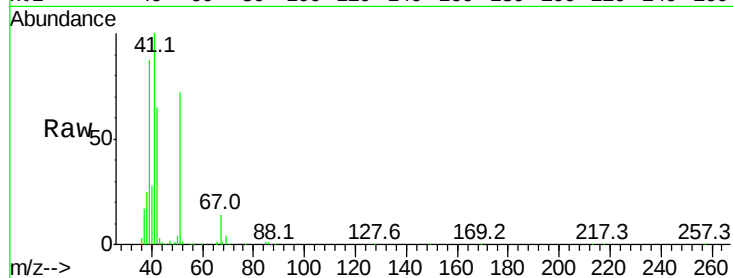
VSTDCCC010

Tgt Ion: 41 Resp: 709828

Ion Ratio Lower Upper

41 100

42 68.4 54.5 81.7



#10

Heptane

Concen: 9.374 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037267.D

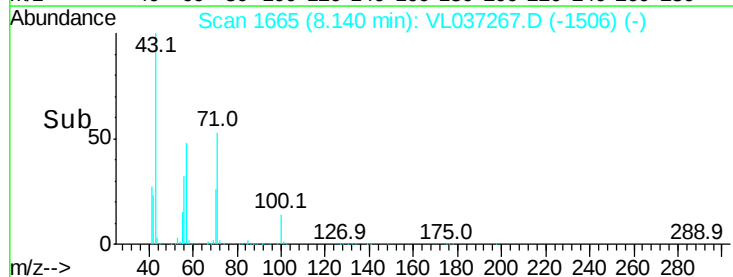
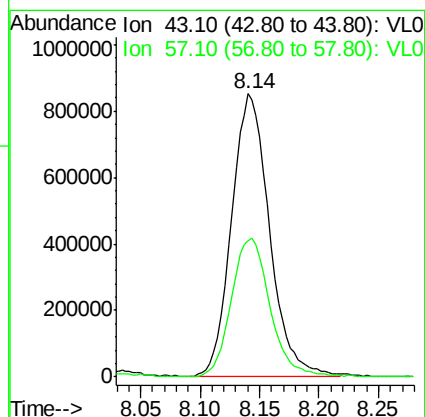
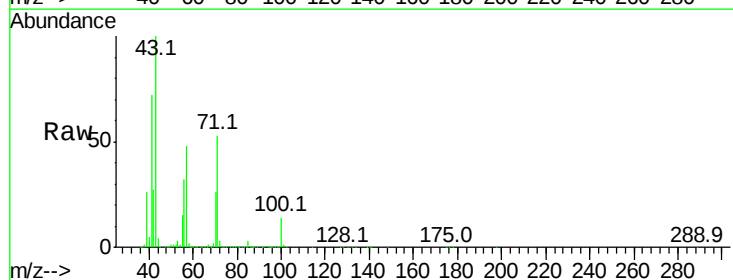
Acq: 2 Jul 2021 9:08

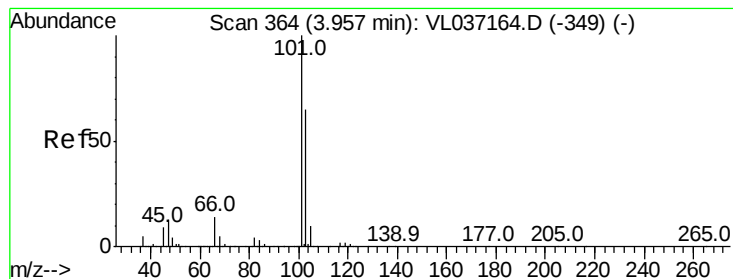
Tgt Ion: 43 Resp: 1867066

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0





#11

Trichlorofluoromethane

Concen: 9.607 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

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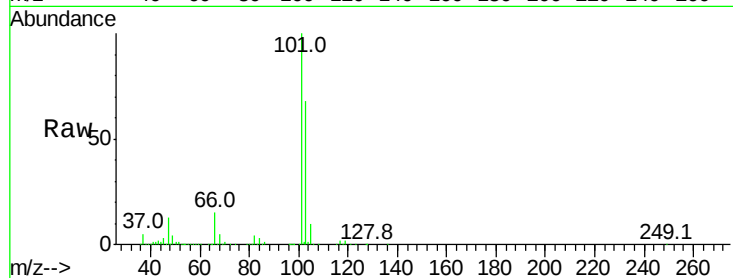
VSTDCCC010

Tgt Ion:101 Resp: 2358209

Ion Ratio Lower Upper

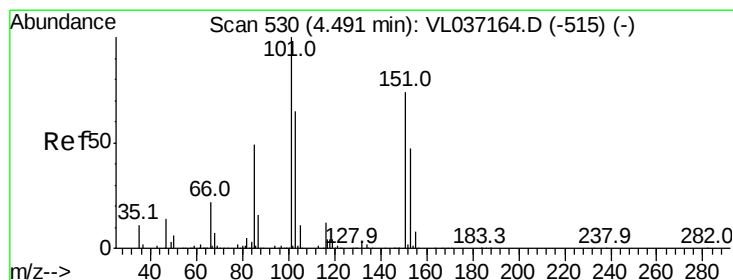
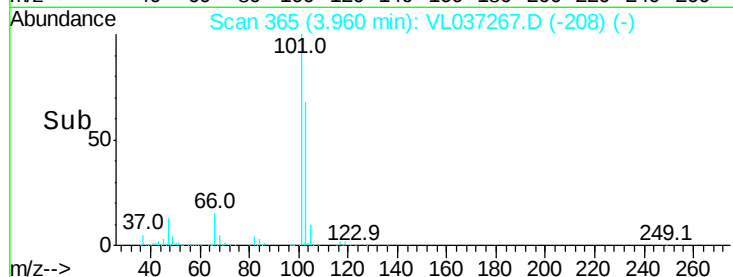
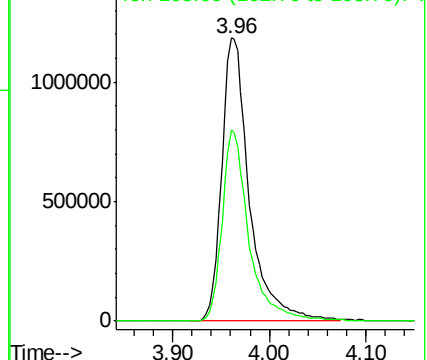
101 100

103 67.6 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.625 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037267.D

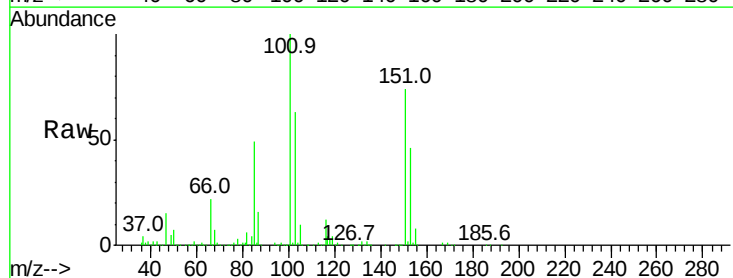
Acq: 2 Jul 2021 9:08

Tgt Ion:101 Resp: 1665431

Ion Ratio Lower Upper

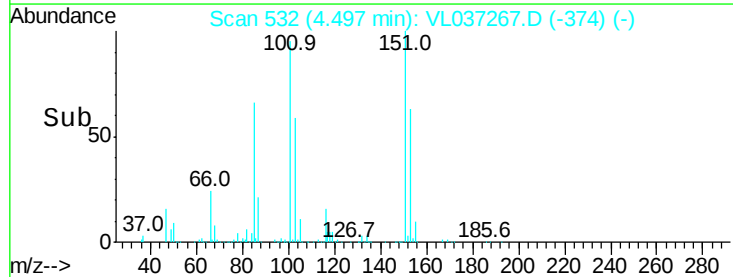
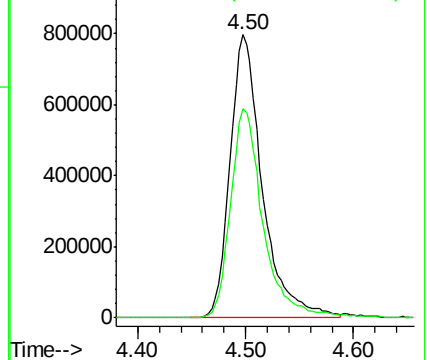
101 100

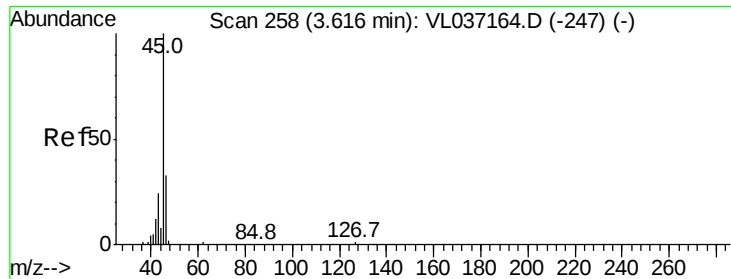
151 74.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

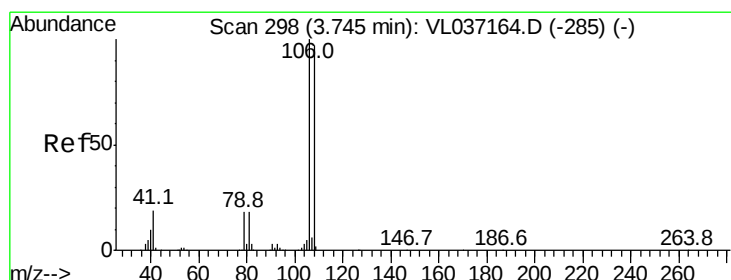
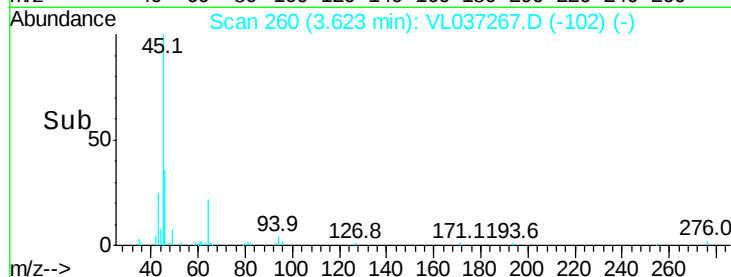
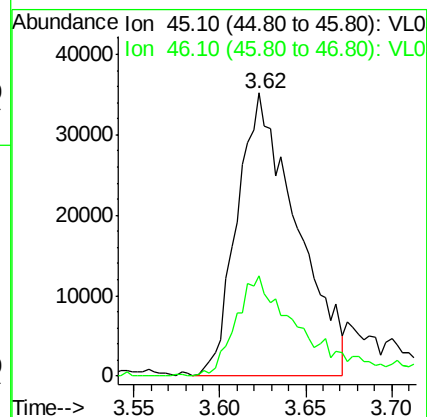
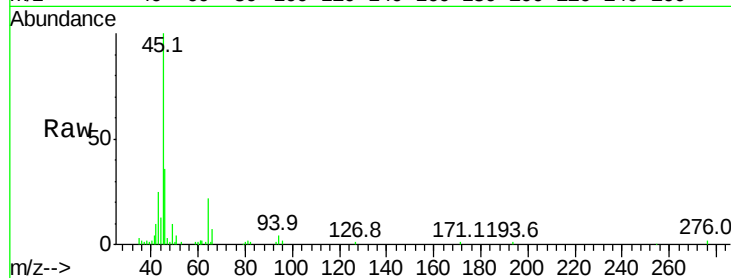




#13
Ethanol
Concen: 6.667 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

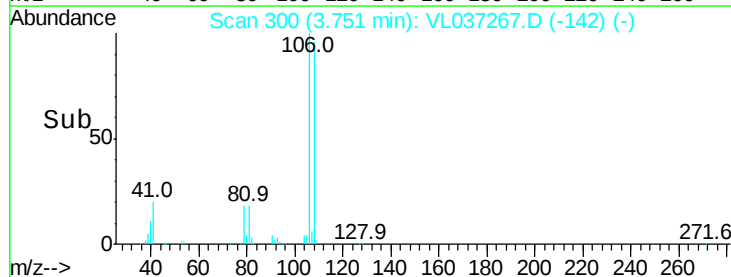
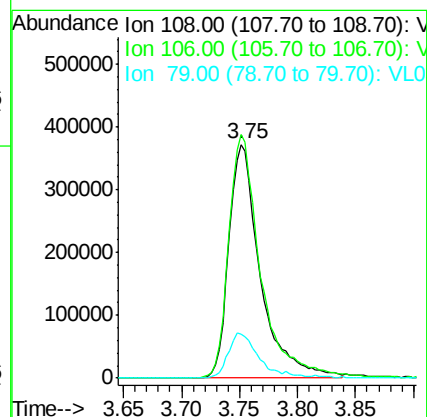
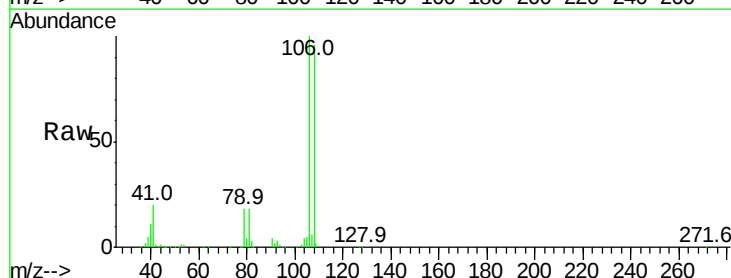
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

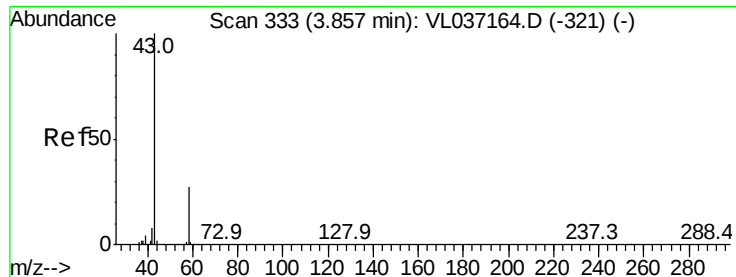
Tgt Ion: 45 Resp: 84823
Ion Ratio Lower Upper
45 100
46 43.5 34.2 137.0



#14
Bromoethene
Concen: 9.672 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 108 Resp: 698537
Ion Ratio Lower Upper
108 100
106 106.9 86.8 130.2
79 19.7 15.6 23.4





#15

Acetone

Concen: 7.748 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

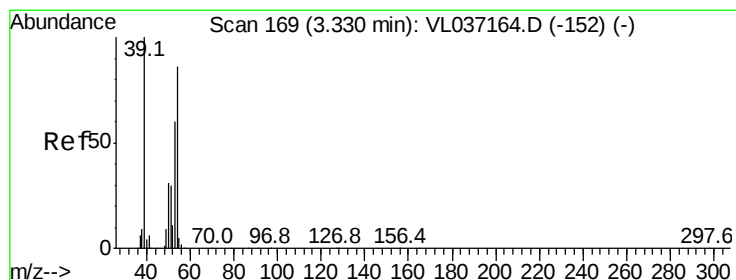
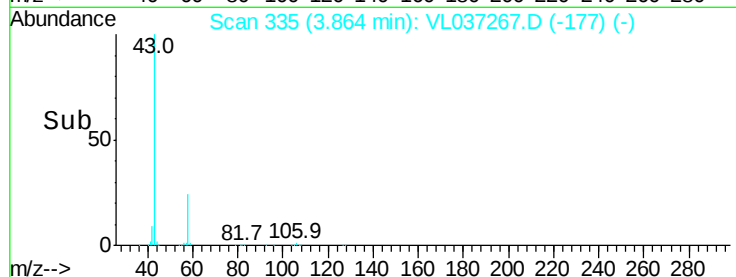
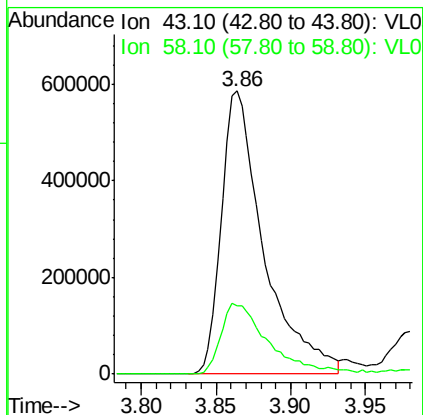
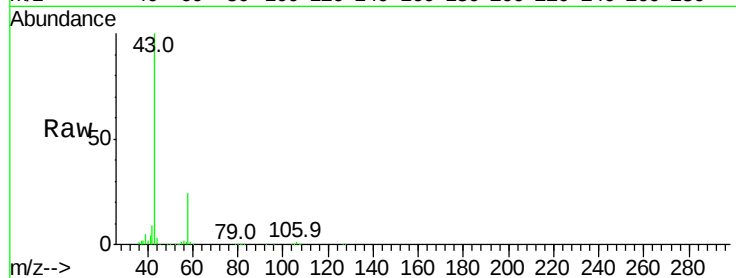
VSTDCCC010

Tgt Ion: 43 Resp: 1155782

Ion Ratio Lower Upper

43 100

58 28.3 23.7 35.5



#16

1,3-Butadiene

Concen: 9.521 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL037267.D

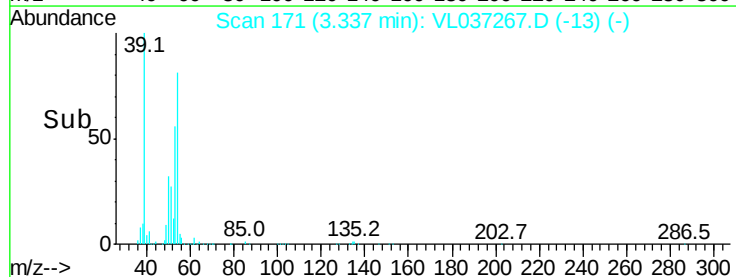
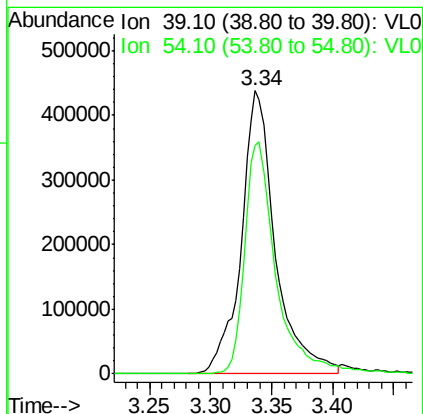
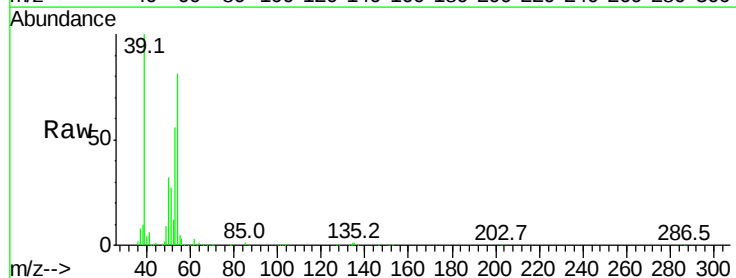
Acq: 2 Jul 2021 9:08

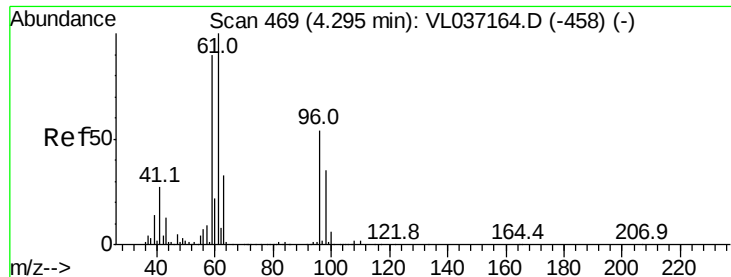
Tgt Ion: 39 Resp: 839557

Ion Ratio Lower Upper

39 100

54 76.2 61.2 91.8





#17

tert-Butyl alcohol

Concen: 9.710 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

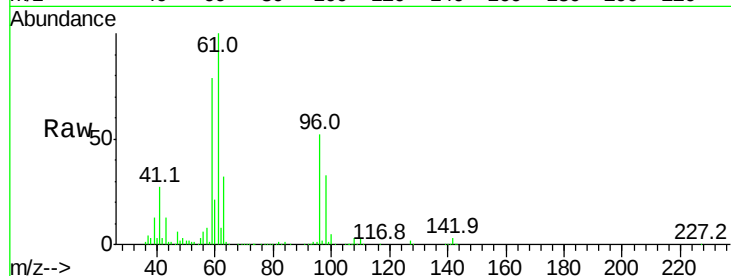
VSTDCCC010

Tgt Ion: 59 Resp: 1338677

Ion Ratio Lower Upper

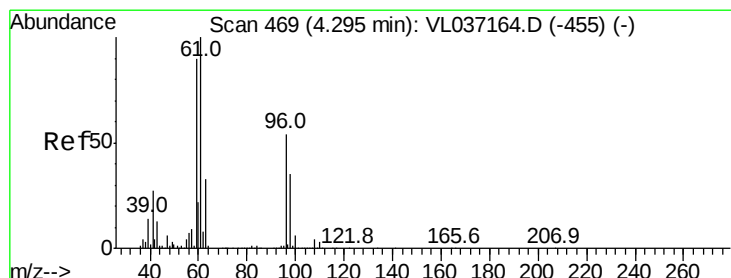
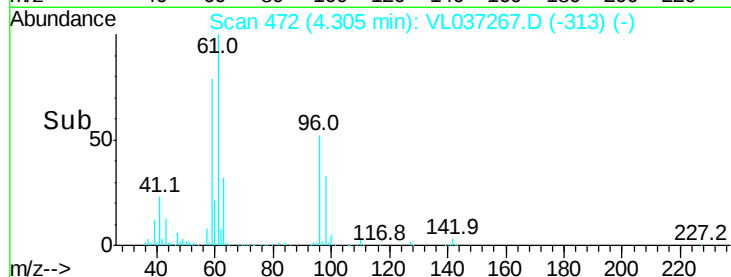
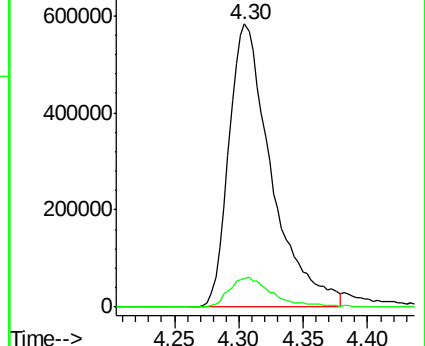
59 100

57 11.1 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.655 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

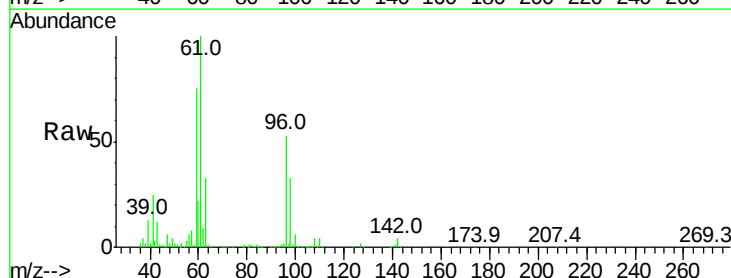
Tgt Ion: 96 Resp: 740349

Ion Ratio Lower Upper

96 100

61 189.7 148.6 222.8

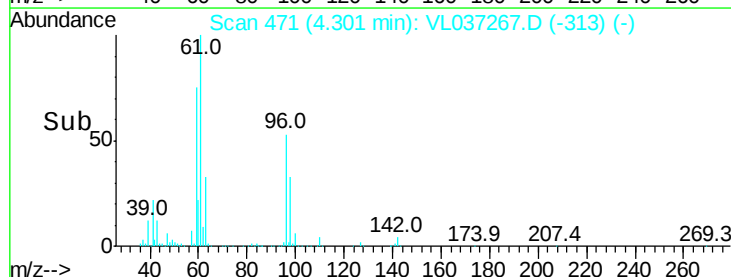
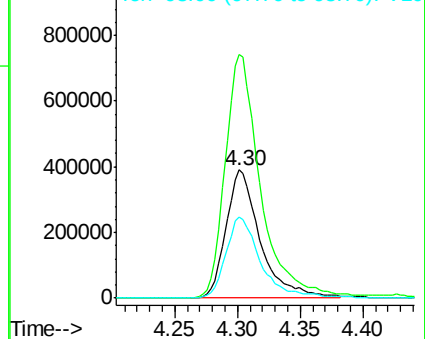
98 63.3 51.9 77.9

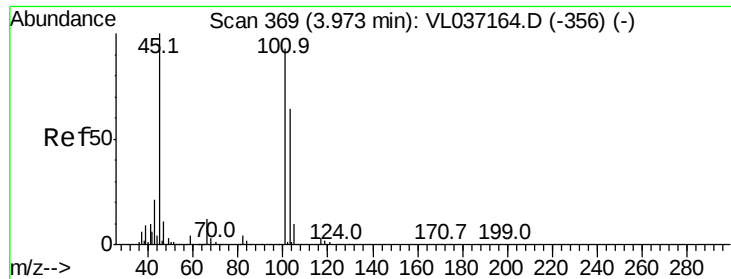


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.427 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

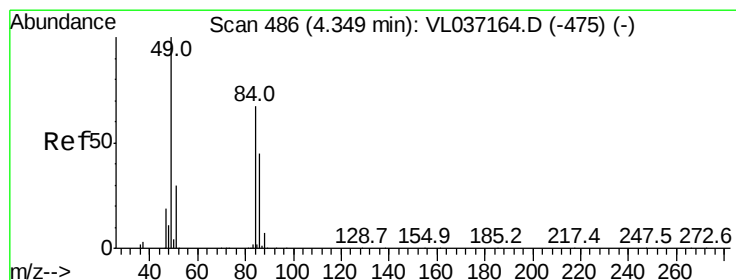
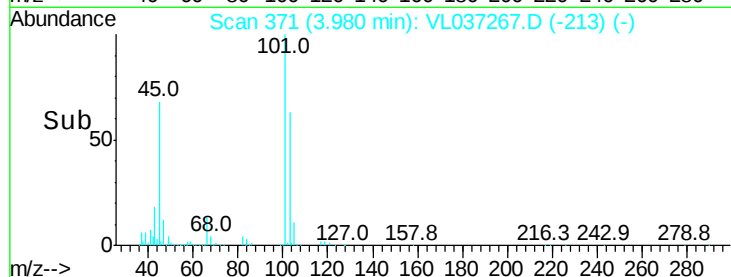
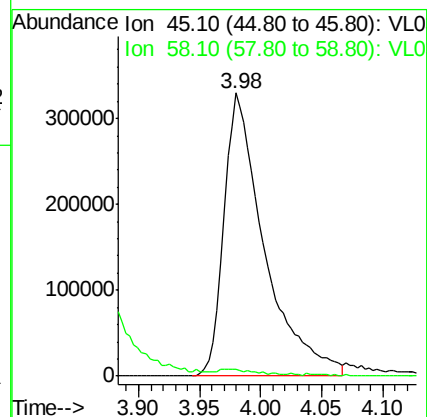
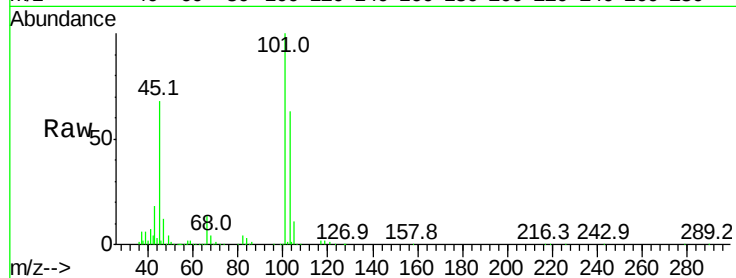
VSTDCCC010

Tgt Ion: 45 Resp: 761397

Ion Ratio Lower Upper

45 100

58 2.9 2.4 3.6



#20

Methylene Chloride

Concen: 7.359 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion: 84 Resp: 657213

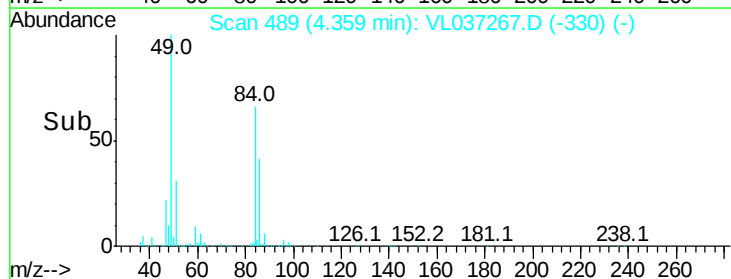
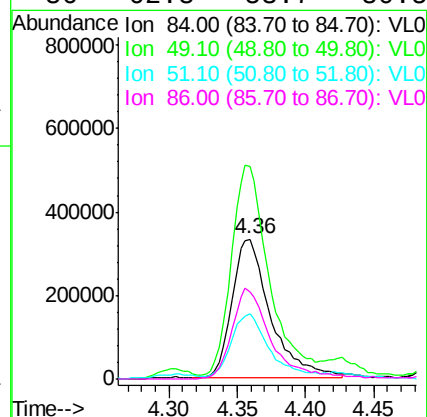
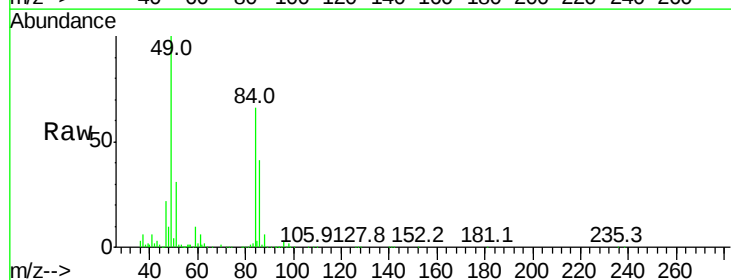
Ion Ratio Lower Upper

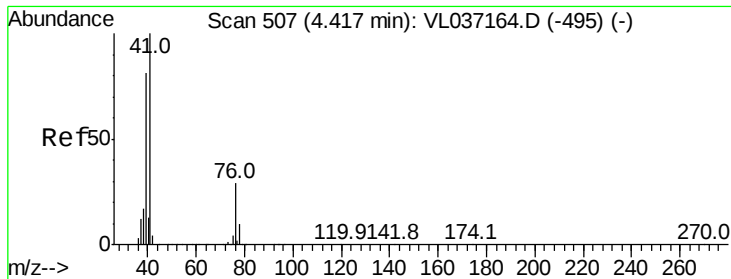
84 100

49 148.5 119.7 179.5

51 43.9 36.1 54.1

86 62.8 53.7 80.5

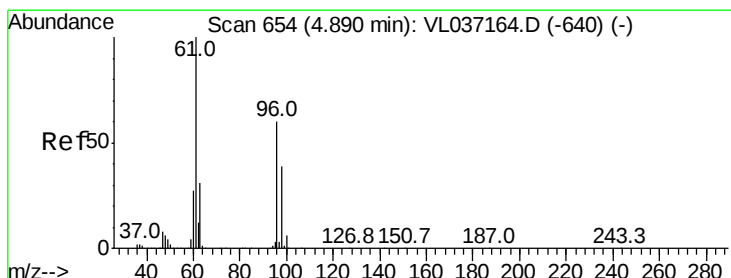
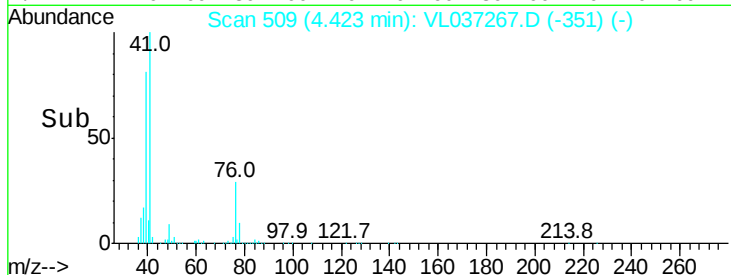
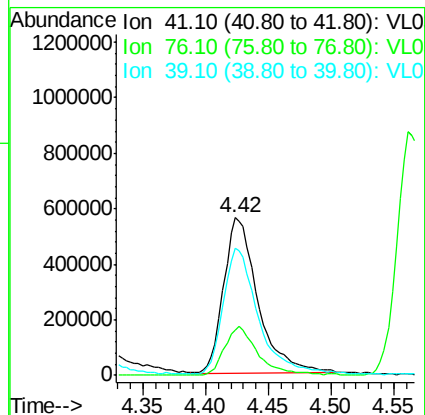
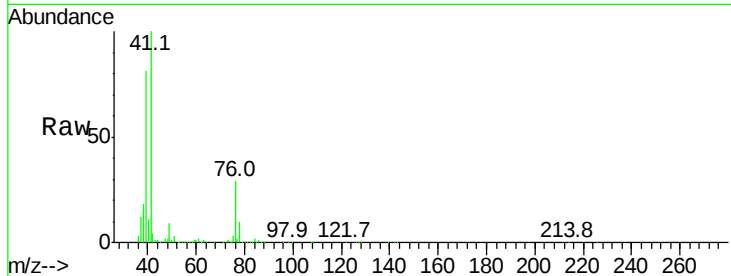




#21
 Allyl Chloride
 Concen: 9.500 ppbv
 RT: 4.42 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

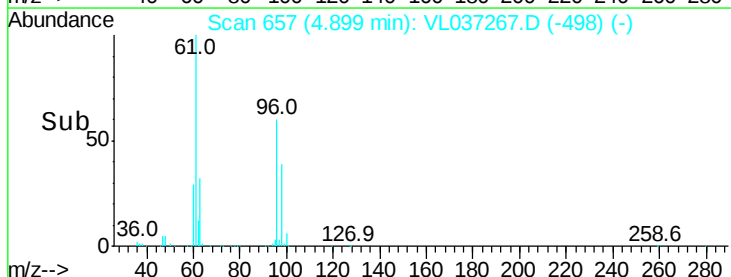
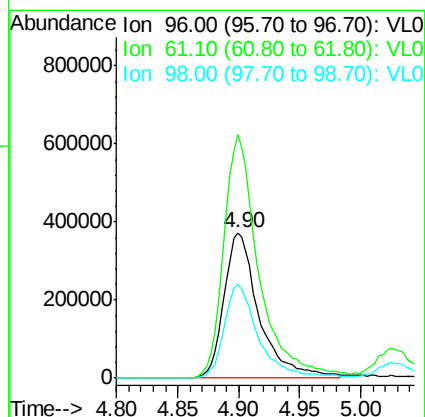
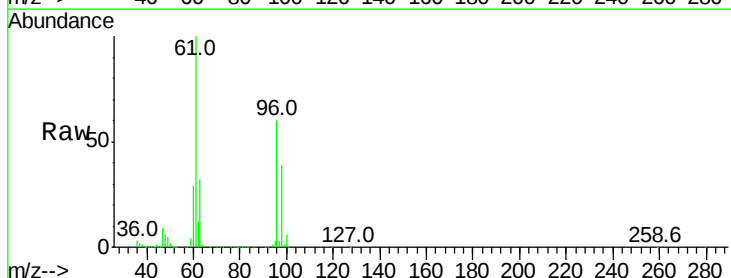
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

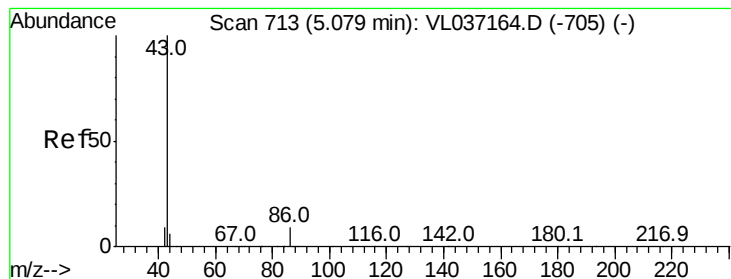
Tgt Ion: 41 Resp: 1068159
 Ion Ratio Lower Upper
 41 100
 76 31.0 24.6 37.0
 39 84.2 65.4 98.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.868 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion: 96 Resp: 748718
 Ion Ratio Lower Upper
 96 100
 61 167.5 133.9 200.9
 98 64.8 52.9 79.3





#23

Vinyl Acetate

Concen: 9.852 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2107212

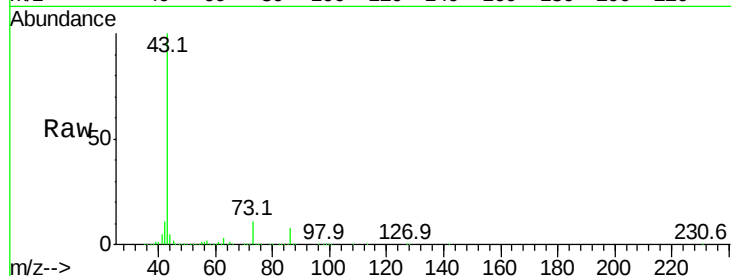
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	11.2	8.2	12.2
44	5.2	4.2	6.4

43 100

86 7.7 5.8 8.8

42 11.2 8.2 12.2

44 5.2 4.2 6.4

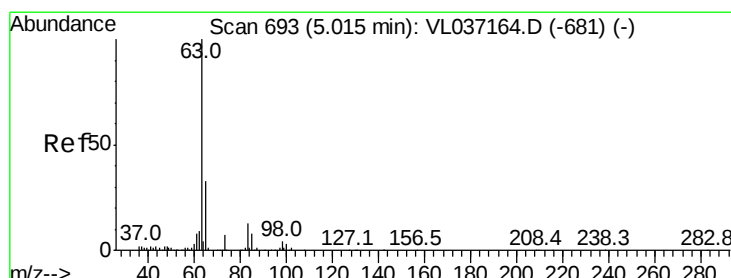
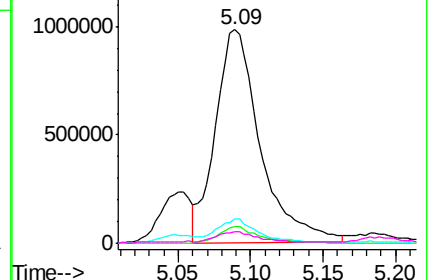
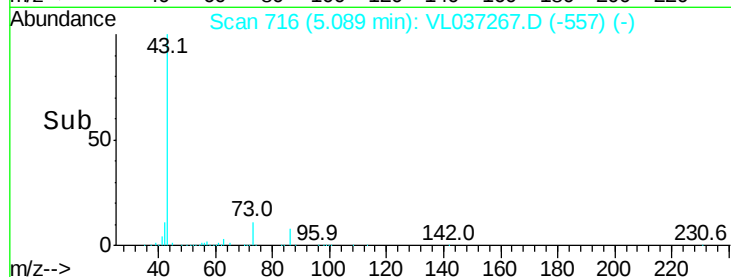


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.839 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

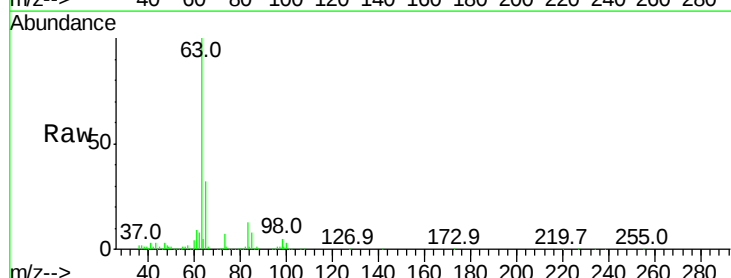
Tgt Ion: 63 Resp: 1694310

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.4	4.0

63 100

98 4.7 2.1 6.5

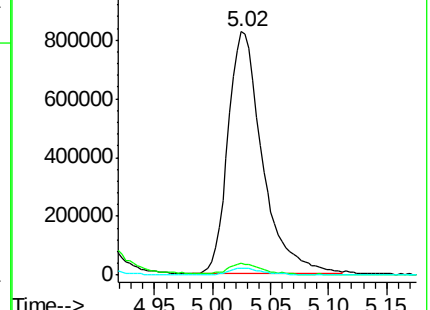
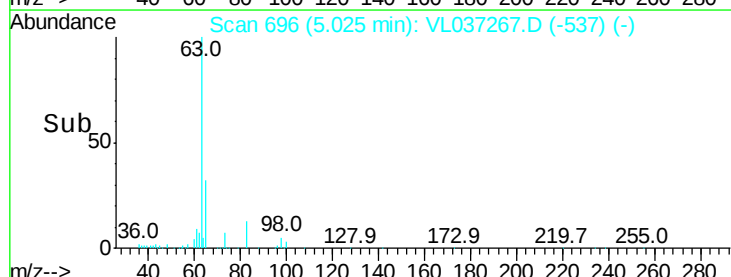
100 2.7 1.4 4.0

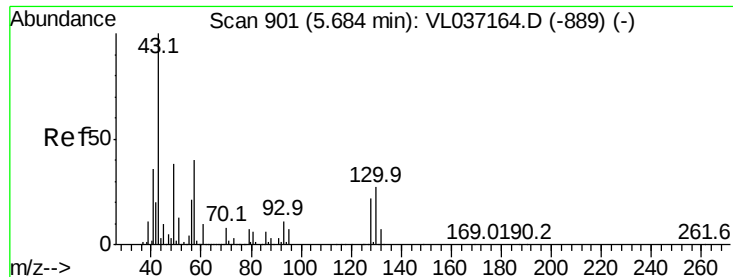


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



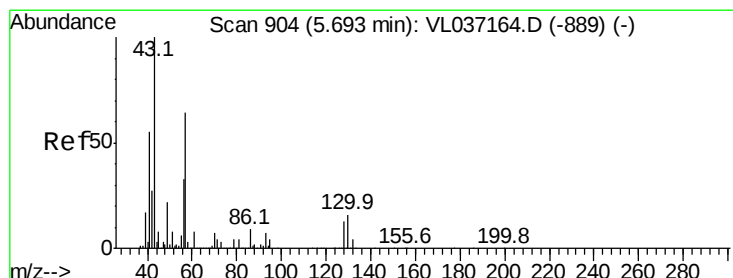
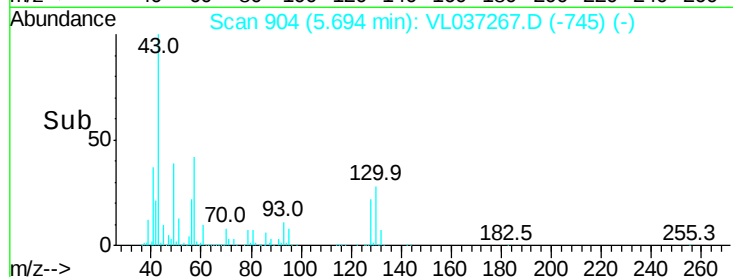
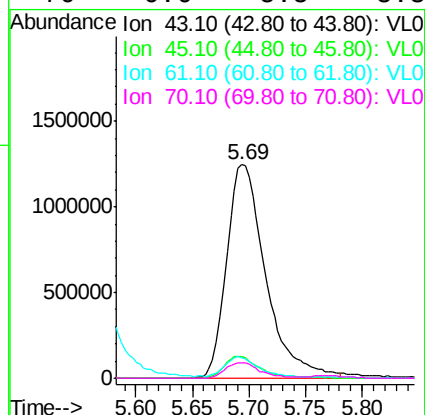
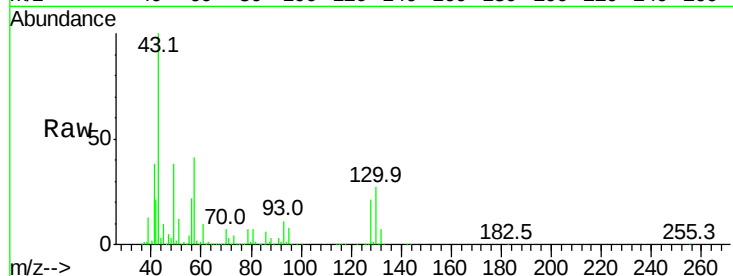


#25
Ethyl Acetate
Concen: 9.250 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2987207

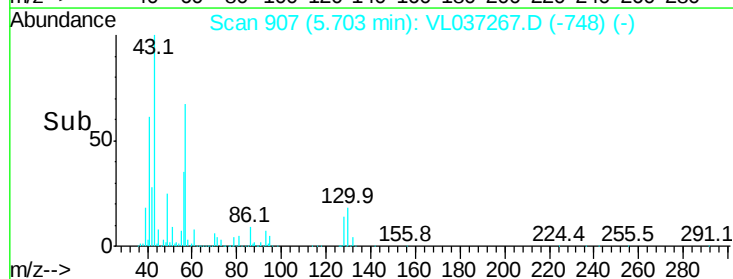
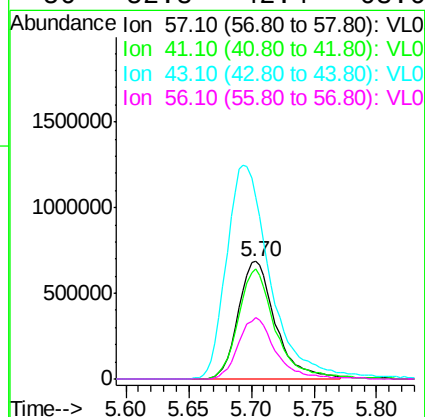
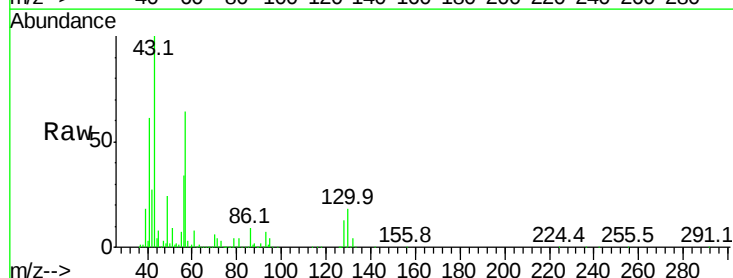
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.6	8.1	12.1
70	6.6	5.5	8.3

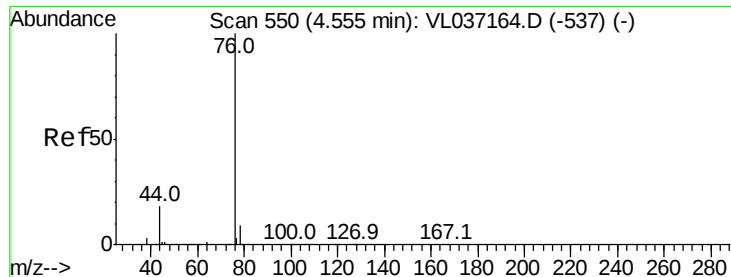


#26
Hexane
Concen: 8.692 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 57 Resp: 1418617

Ion	Ratio	Lower	Upper
57	100		
41	94.0	73.5	110.3
43	214.4	170.7	256.1
56	52.8	42.4	63.6





#27

Carbon Disulfide

Concen: 10.939 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

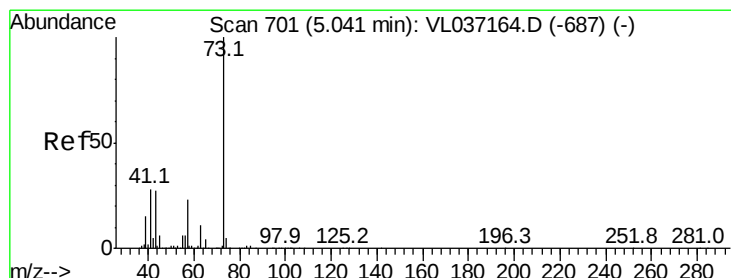
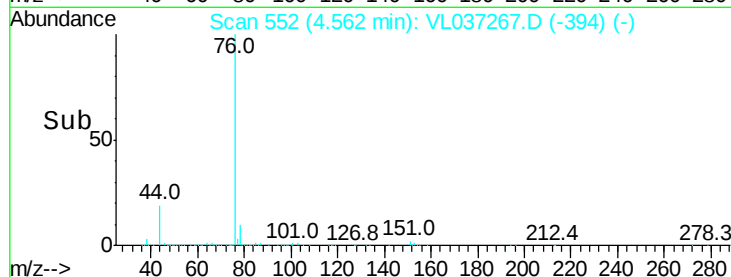
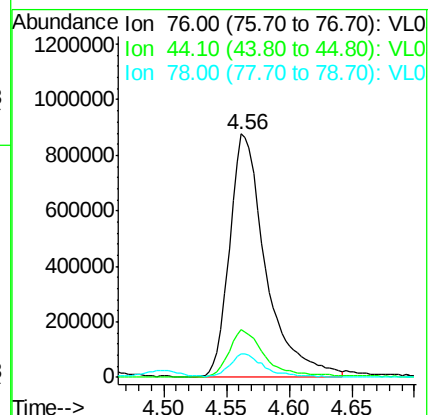
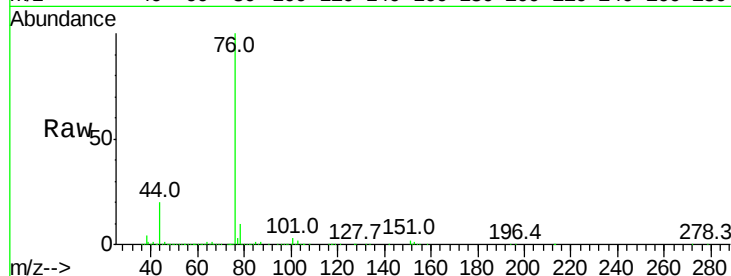
Tgt Ion: 76 Resp: 1749282

Ion Ratio Lower Upper

76 100

44 19.6 15.4 23.2

78 9.7 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 9.635 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL037267.D

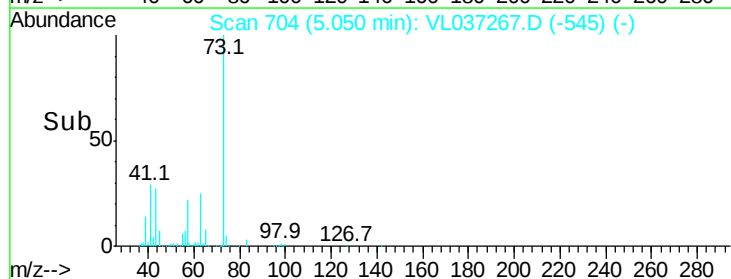
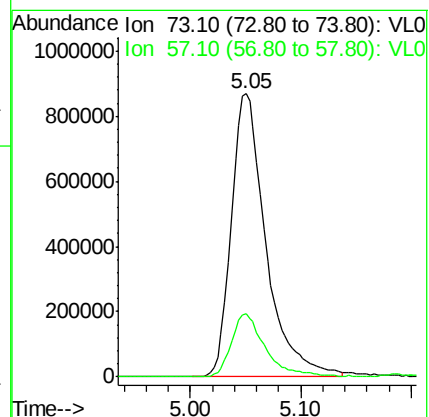
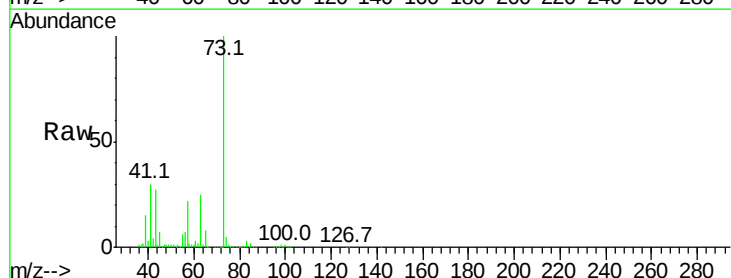
Acq: 2 Jul 2021 9:08

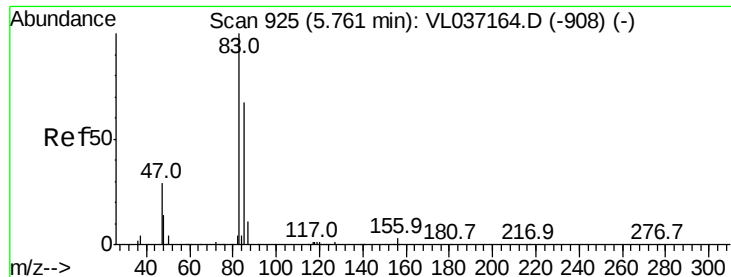
Tgt Ion: 73 Resp: 1890653

Ion Ratio Lower Upper

73 100

57 22.1 18.0 27.0





#29

Chloroform

Concen: 9.311 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

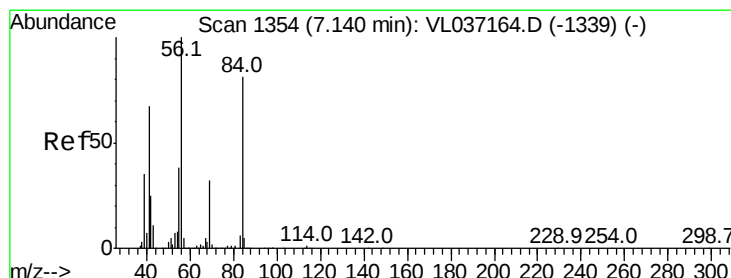
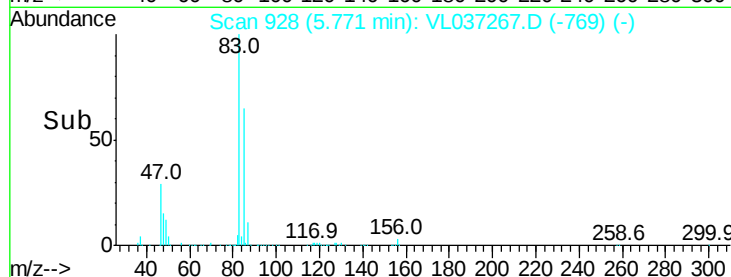
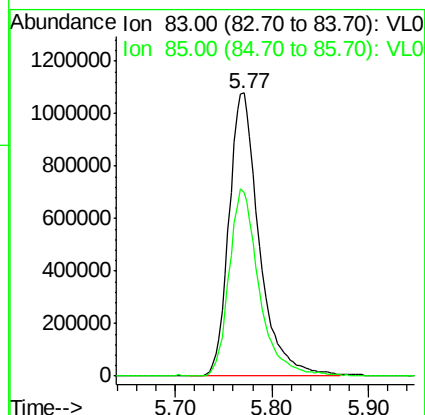
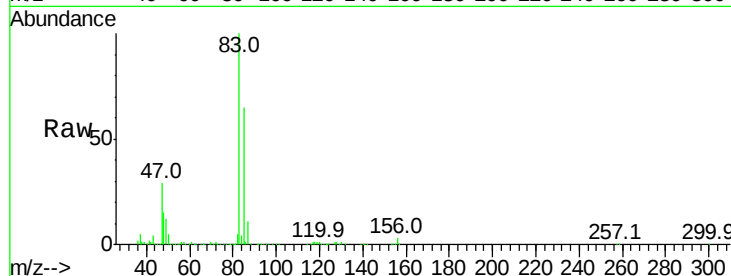
VSTDCCC010

Tgt Ion: 83 Resp: 2347559

Ion Ratio Lower Upper

83 100

85 64.7 53.6 80.4



#30

Cyclohexane

Concen: 9.156 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

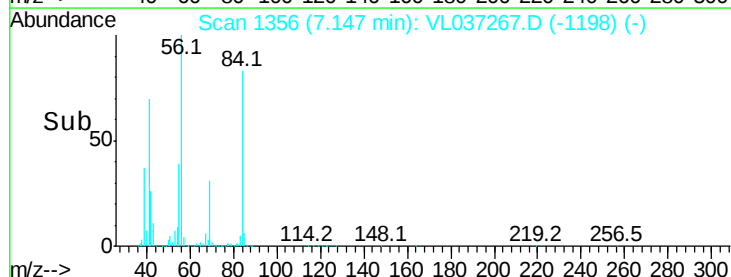
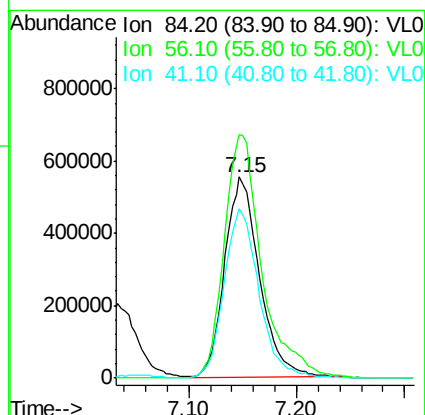
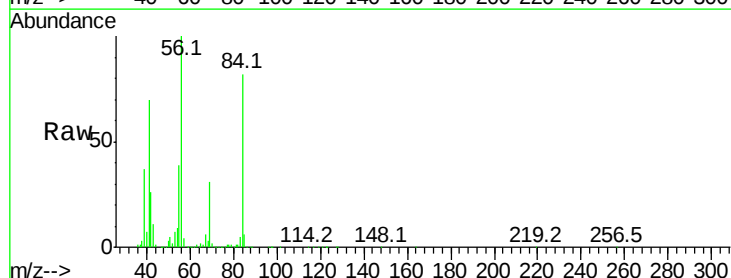
Tgt Ion: 84 Resp: 1245179

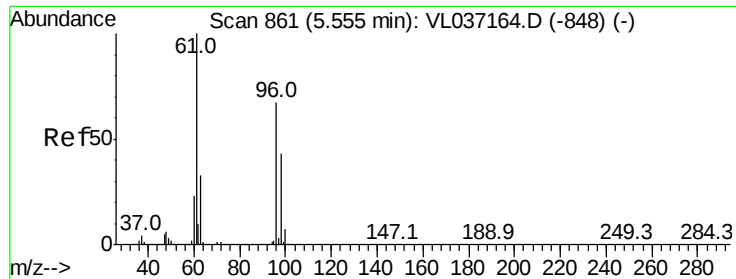
Ion Ratio Lower Upper

84 100

56 132.5 107.7 161.5

41 85.4 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 9.591 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

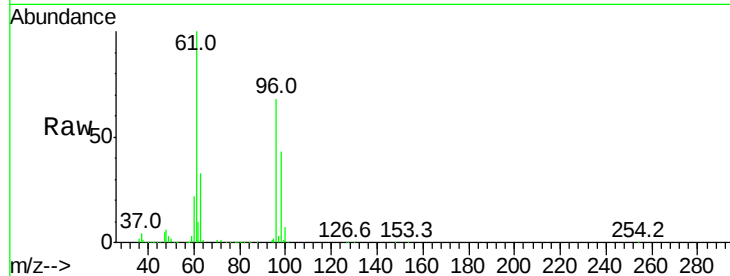
Tgt Ion: 61 Resp: 1438397

Ion Ratio Lower Upper

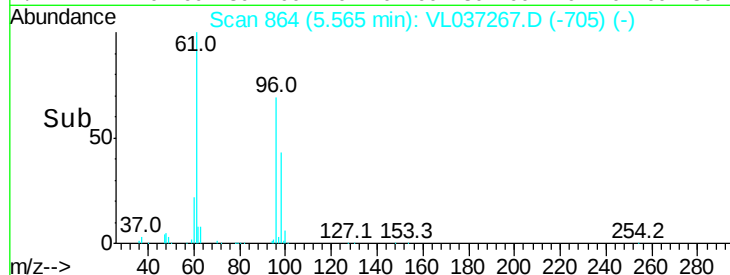
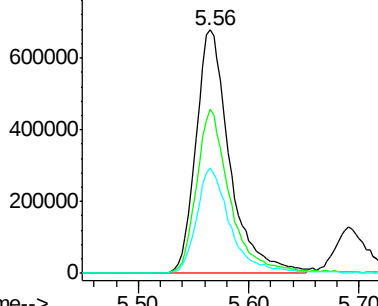
61 100

96 67.4 53.6 80.4

98 43.3 34.7 52.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.105 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

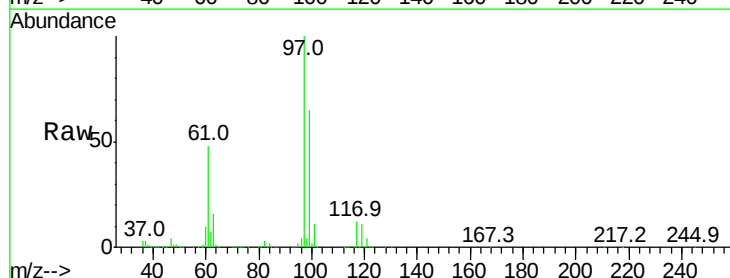
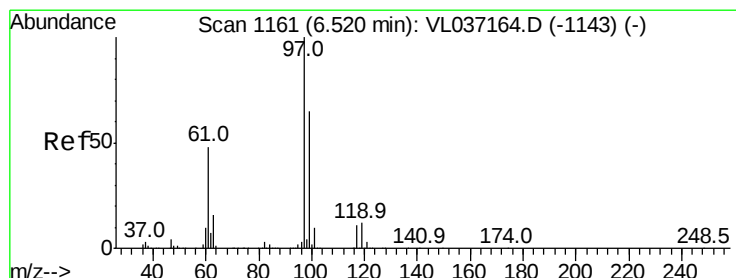
Tgt Ion: 97 Resp: 2456370

Ion Ratio Lower Upper

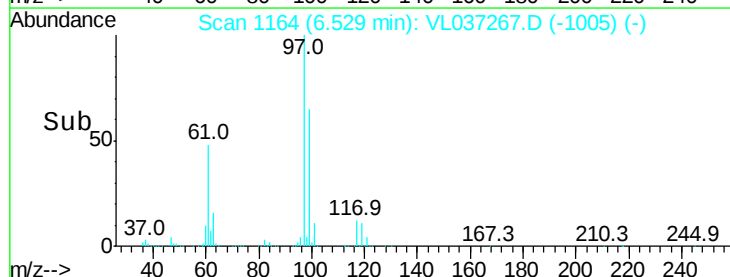
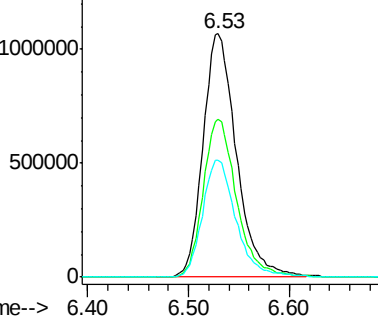
97 100

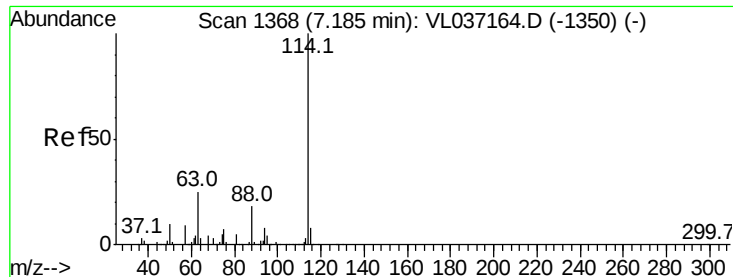
99 64.9 52.2 78.4

61 48.5 38.8 58.2



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

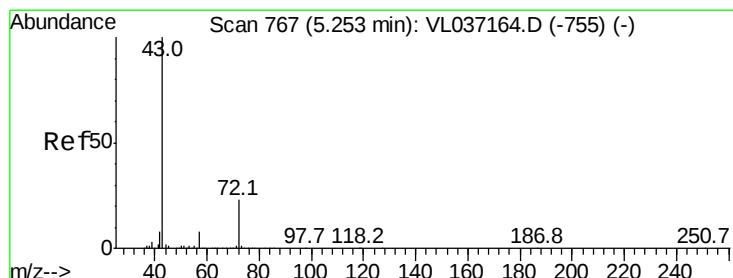
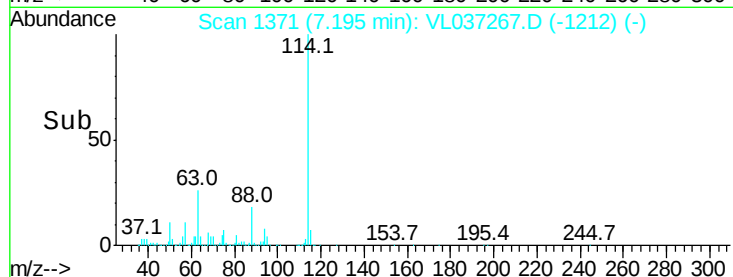
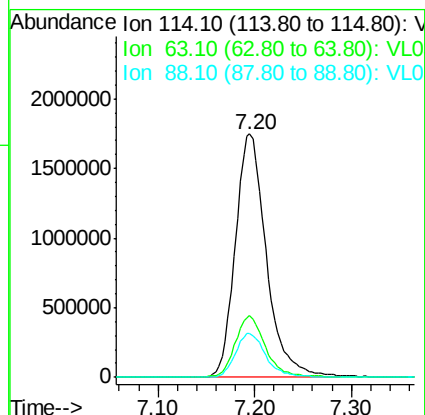
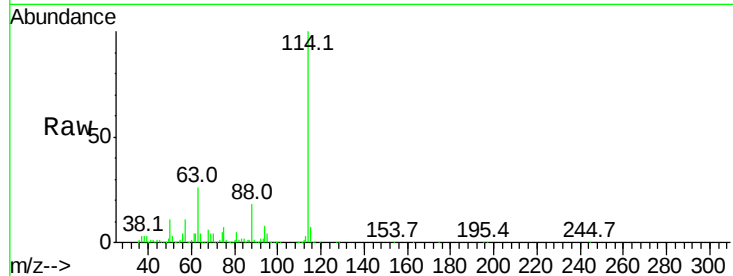




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

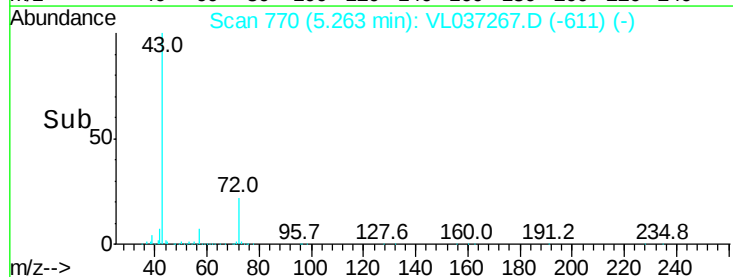
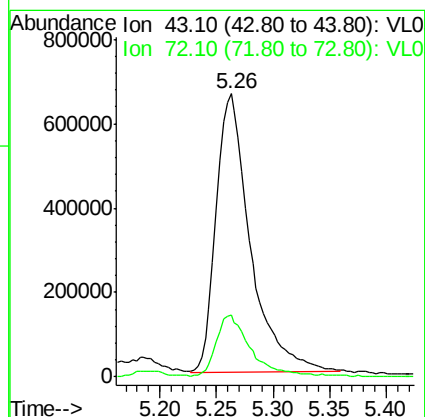
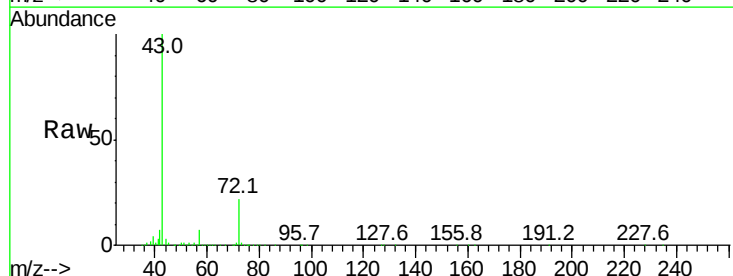
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

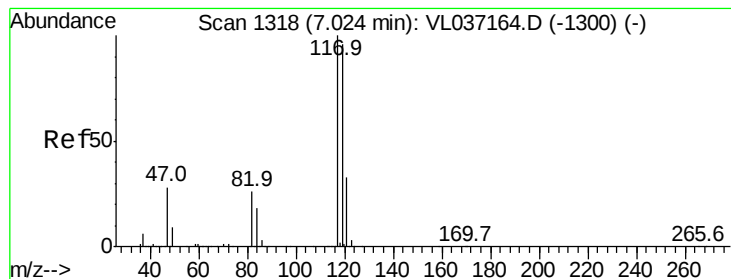
Tgt Ion:114 Resp: 3895625
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.6 29.4
 88 18.0 14.2 21.2



#34
 2-Butanone
 Concen: 9.160 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion: 43 Resp: 1387816
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.055 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

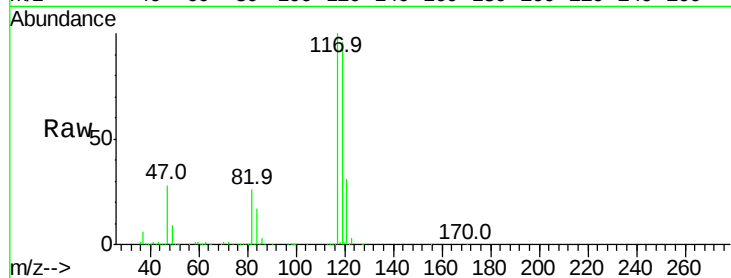
Tgt Ion:117 Resp: 2627335

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8

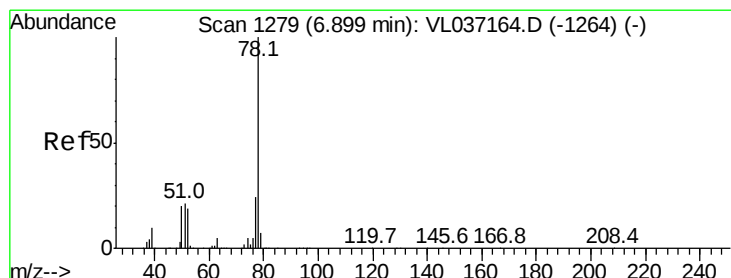
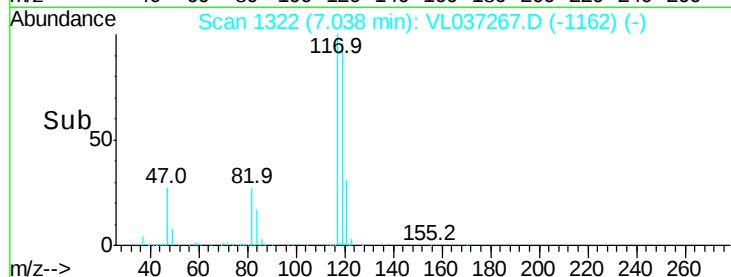
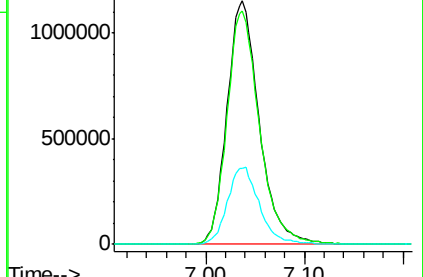
121 31.3 26.4 39.6



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: 9.306 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

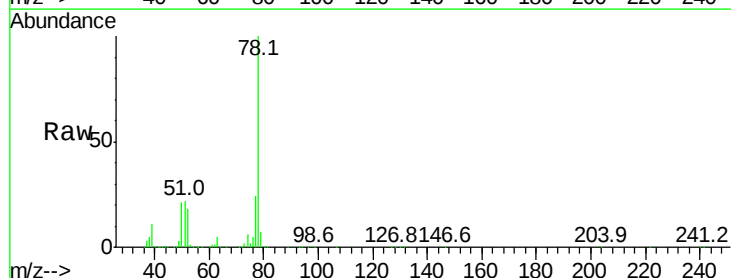
Tgt Ion: 78 Resp: 2931453

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6

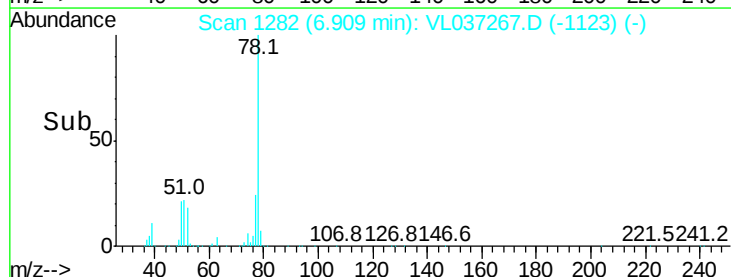
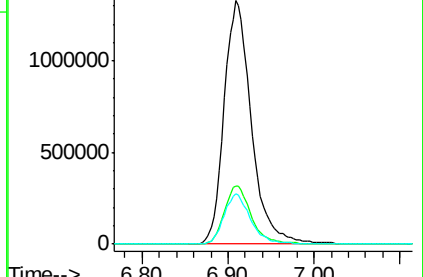
50 20.9 15.7 23.5

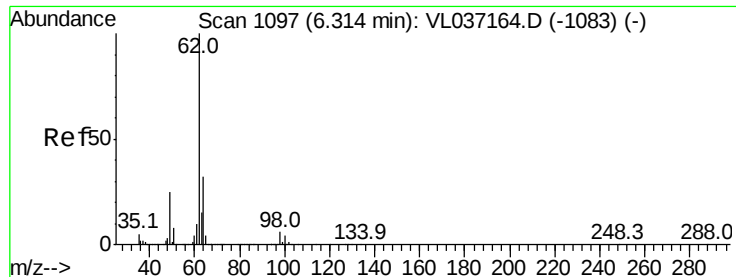


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.841 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

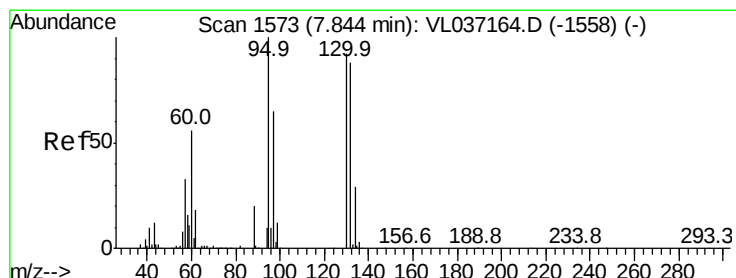
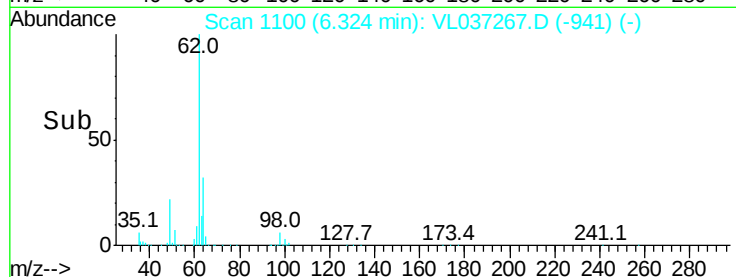
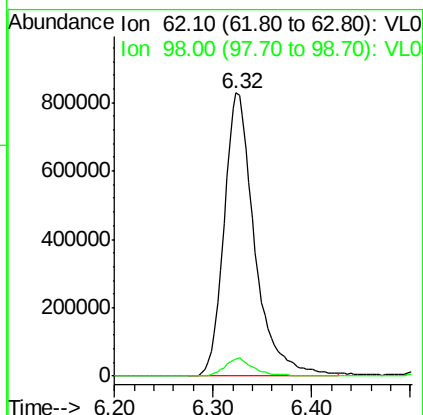
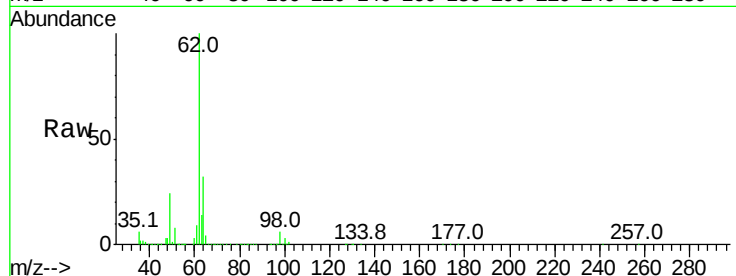
VSTDCCC010

Tgt Ion: 62 Resp: 1800918

Ion Ratio Lower Upper

62 100

98 6.0 5.0 7.6



#38

Trichloroethene

Concen: 8.459 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion:130 Resp: 1266617

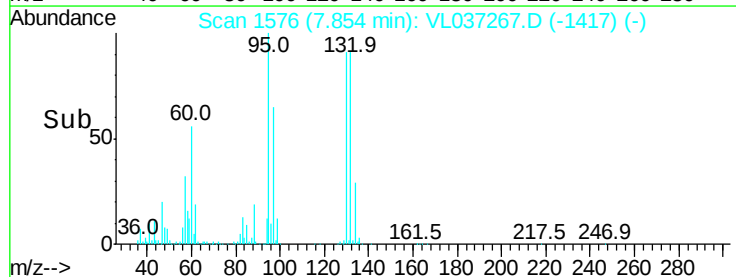
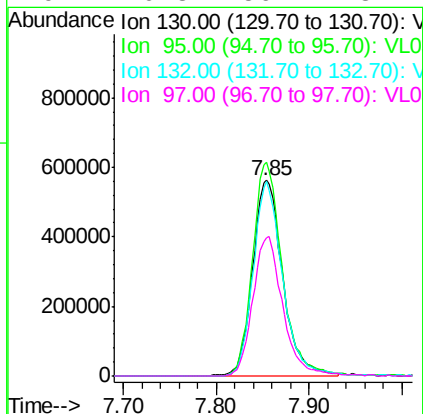
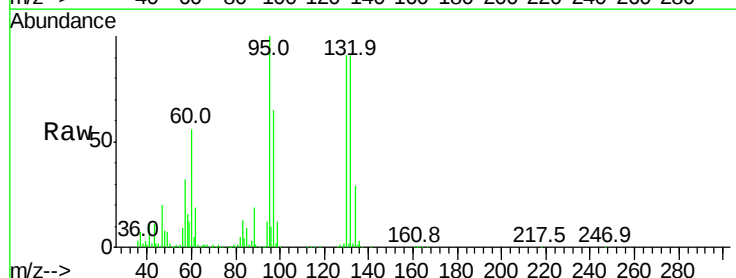
Ion Ratio Lower Upper

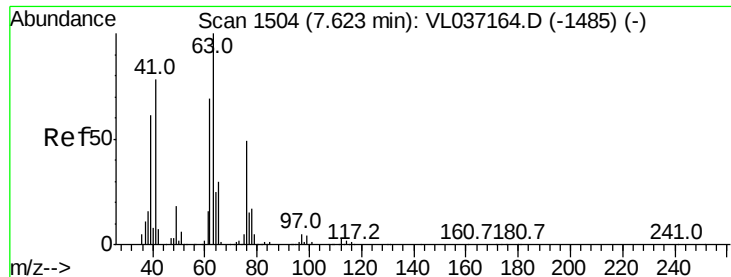
130 100

95 109.4 86.6 129.8

132 99.7 76.6 114.8

97 70.8 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.530 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

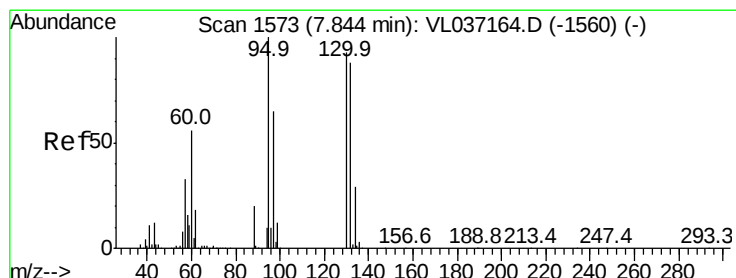
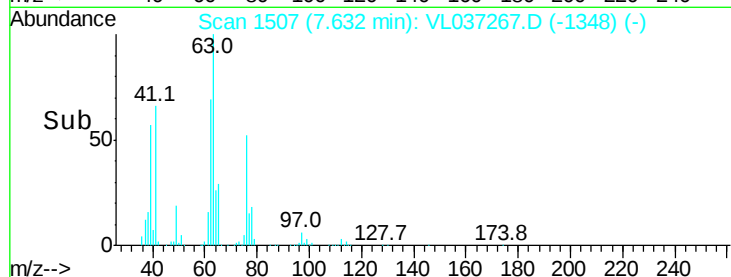
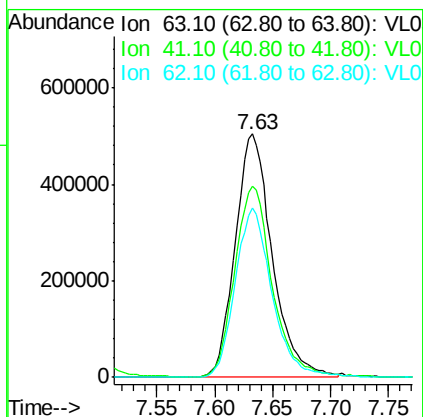
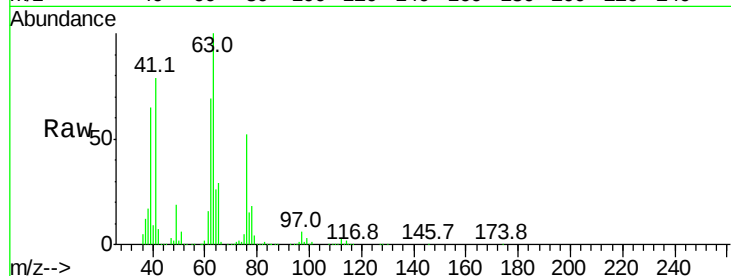
Tgt Ion: 63 Resp: 1115498

Ion Ratio Lower Upper

63 100

41 78.4 62.0 93.0

62 69.2 54.9 82.3



#40

1,4-Dioxane

Concen: 9.151 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion: 88 Resp: 293745

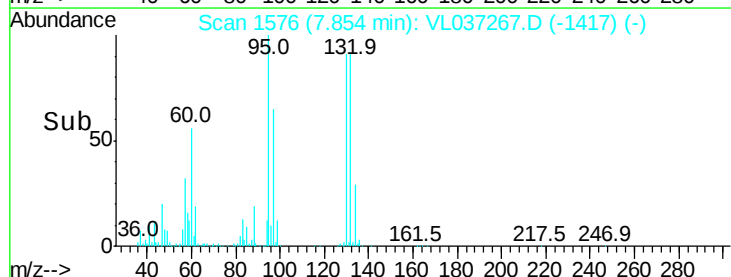
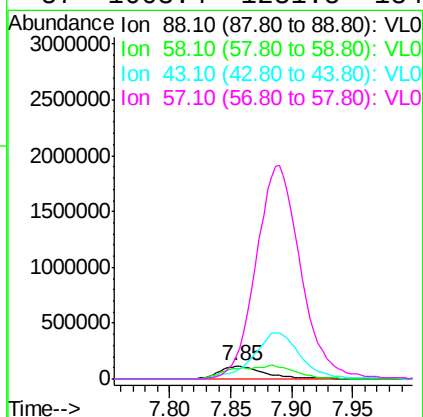
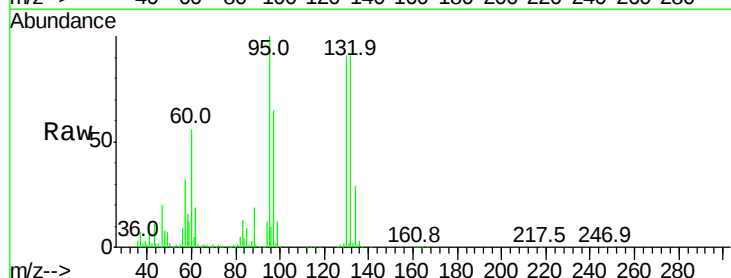
Ion Ratio Lower Upper

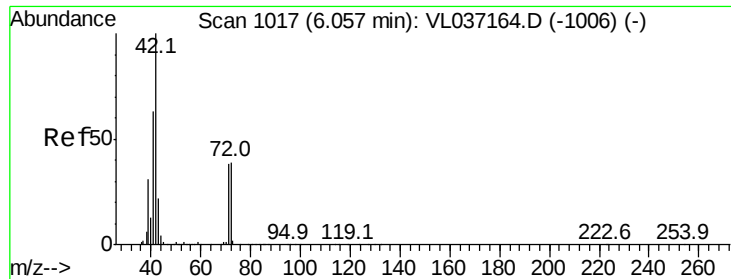
88 100

58 152.0 118.4 177.6

43 381.7 284.0 426.0

57 1663.4 1231.8 1847.6





#41

Tetrahydrofuran

Concen: 9.704 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

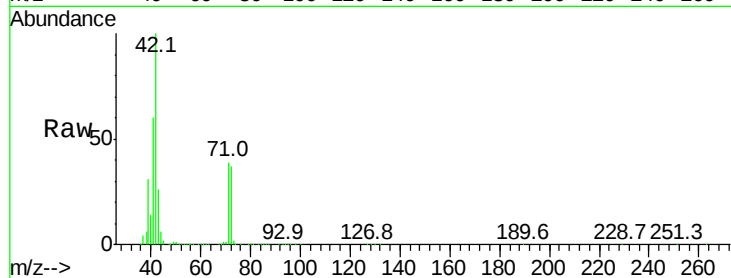
Tgt Ion: 42 Resp: 682896

Ion Ratio Lower Upper

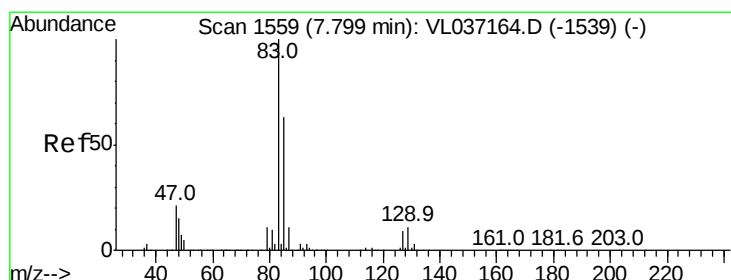
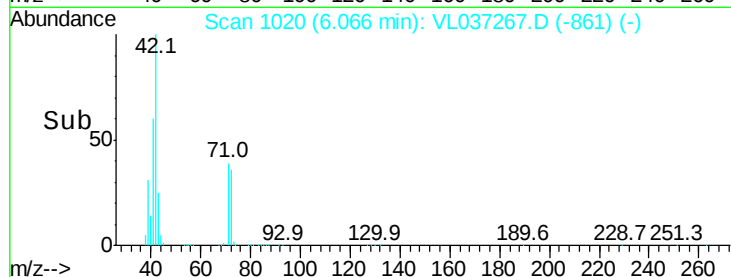
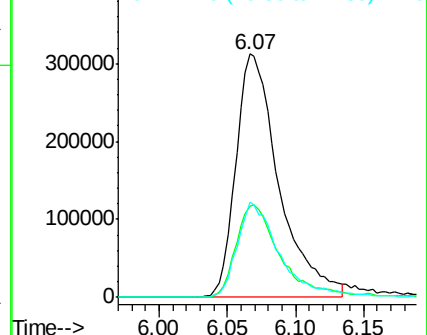
42 100

72 39.9 33.0 49.4

71 39.1 31.0 46.6



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: 10.001 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

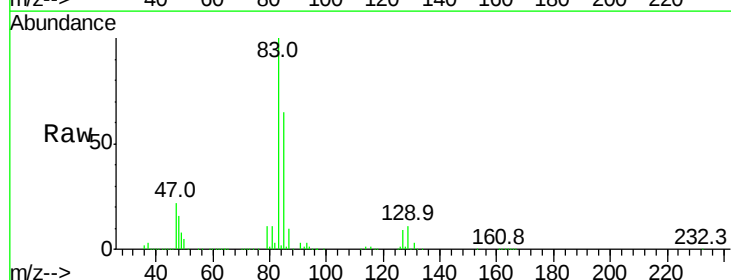
Tgt Ion: 83 Resp: 2524853

Ion Ratio Lower Upper

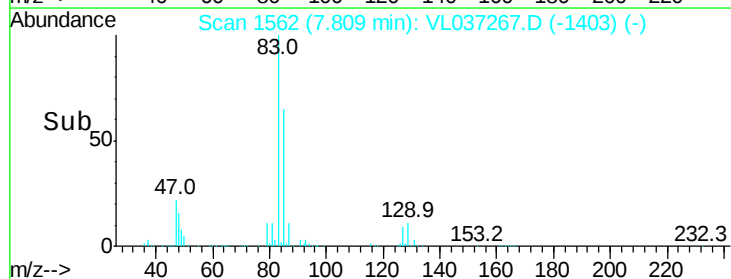
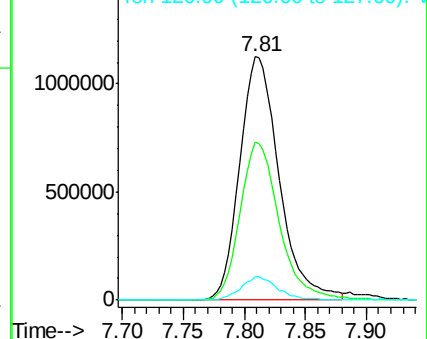
83 100

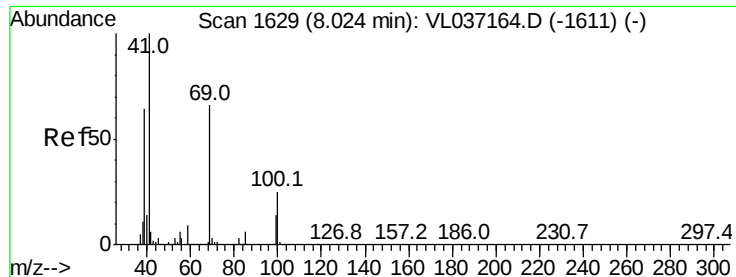
85 64.6 50.8 76.2

127 9.4 7.0 10.6



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

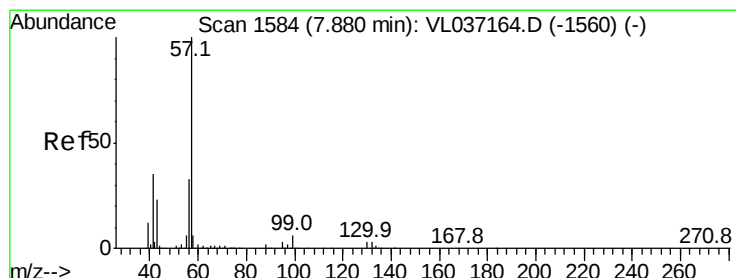
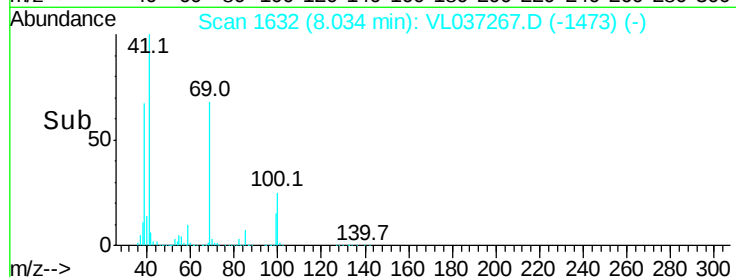
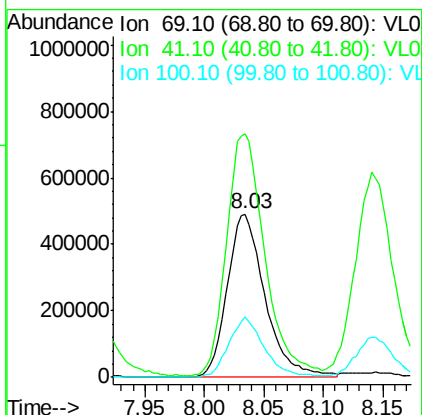
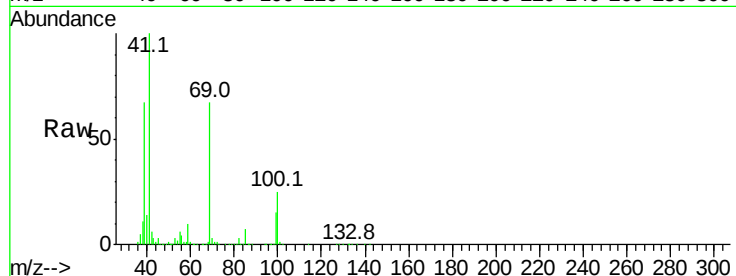




#43
Methyl Methacrylate
Concen: 9.923 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

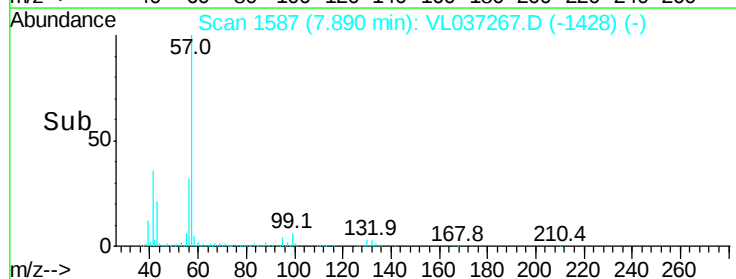
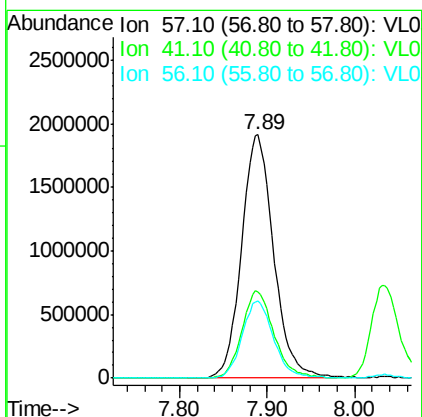
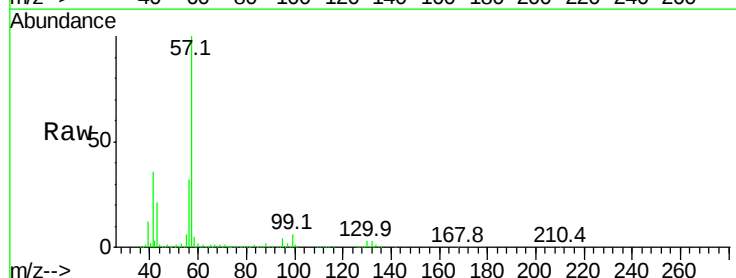
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

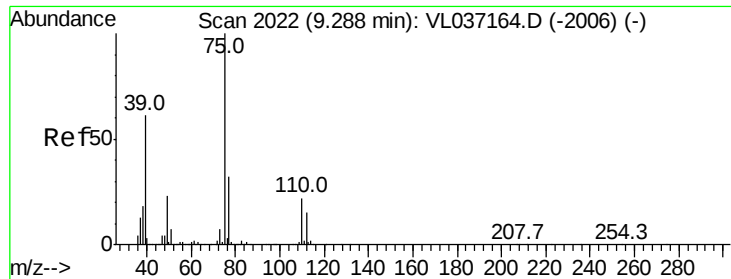
Tgt Ion: 69 Resp: 1079549
Ion Ratio Lower Upper
69 100
41 152.0 119.4 179.0
100 34.7 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 9.189 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 57 Resp: 4874418
Ion Ratio Lower Upper
57 100
41 35.6 27.6 41.4
56 31.2 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 9.553 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

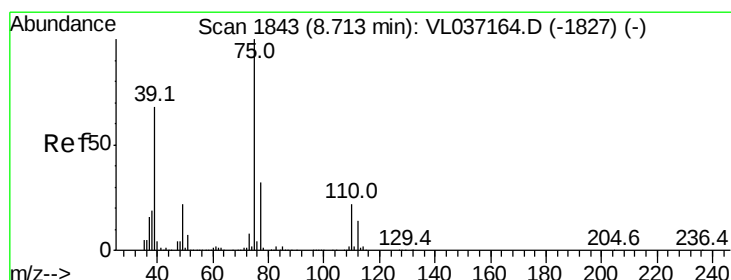
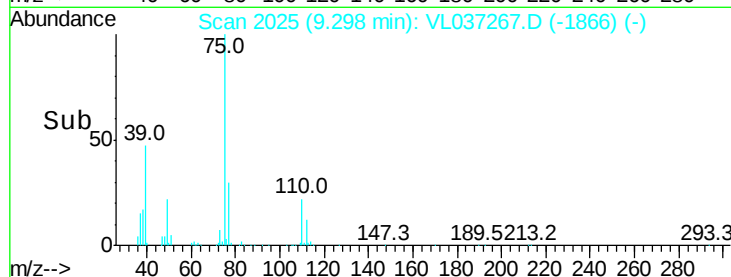
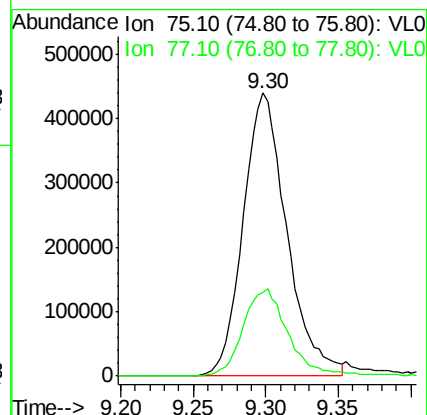
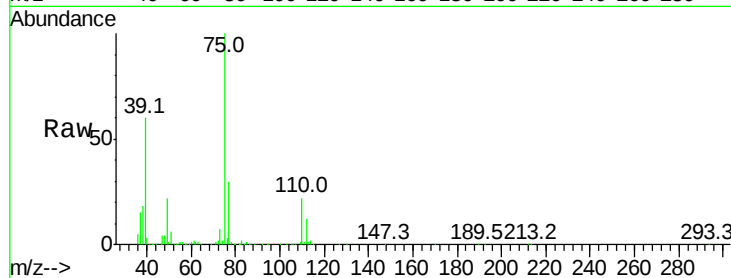
VSTDCCC010

Tgt Ion: 75 Resp: 916955

Ion Ratio Lower Upper

75 100

77 29.6 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 9.022 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

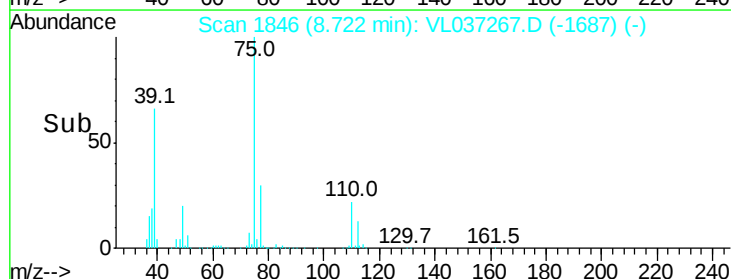
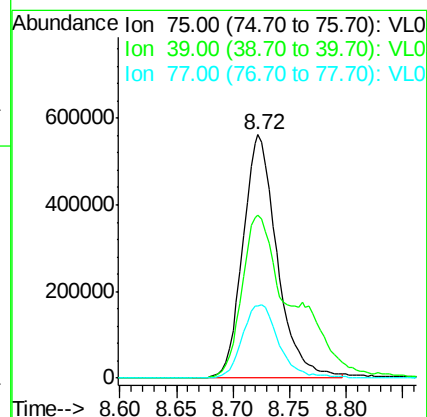
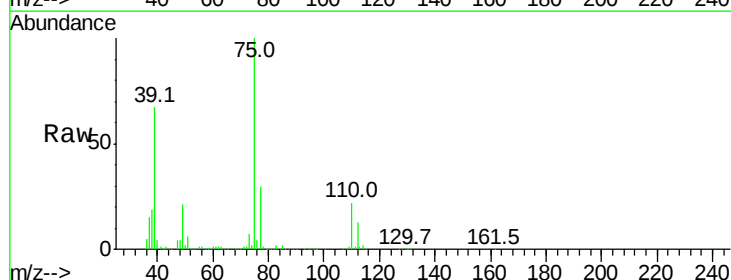
Tgt Ion: 75 Resp: 1184627

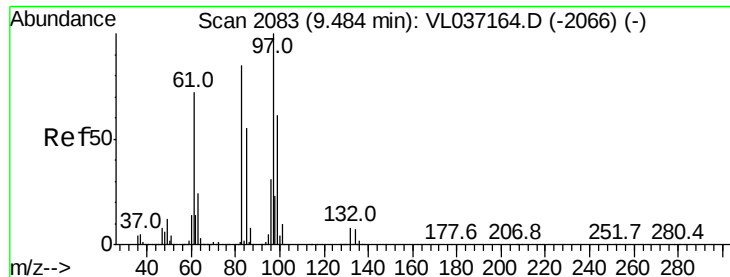
Ion Ratio Lower Upper

75 100

39 66.9 54.7 82.1

77 29.5 25.8 38.8

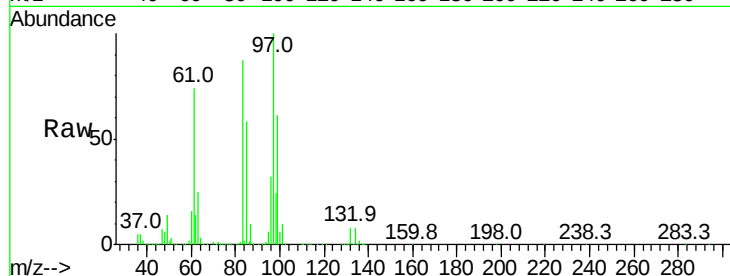




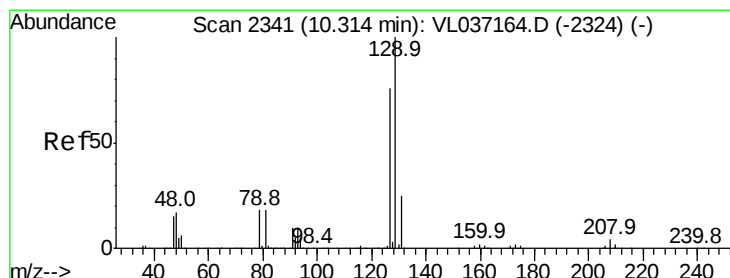
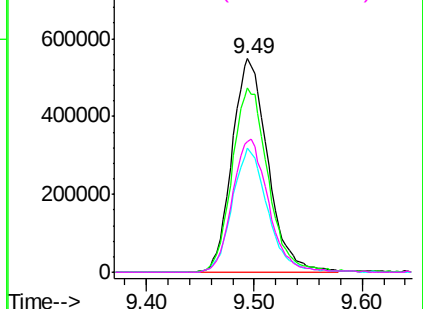
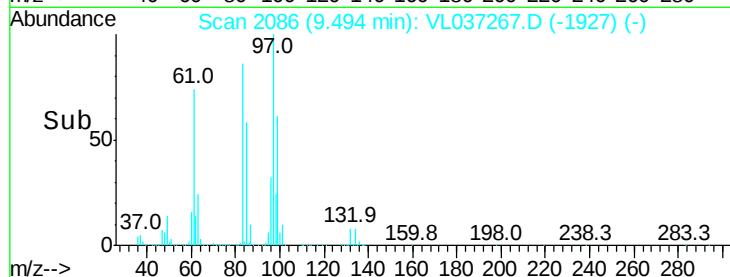
#47
 1,1,2-Trichloroethane
 Concen: 9.442 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1260930
 Ion Ratio Lower Upper
 97 100
 83 86.4 68.3 102.5
 85 57.9 44.1 66.1
 99 61.3 48.6 72.8

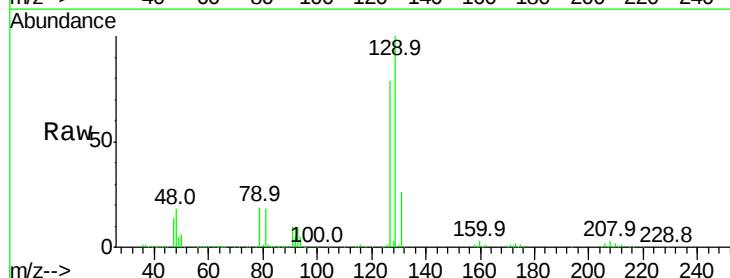


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

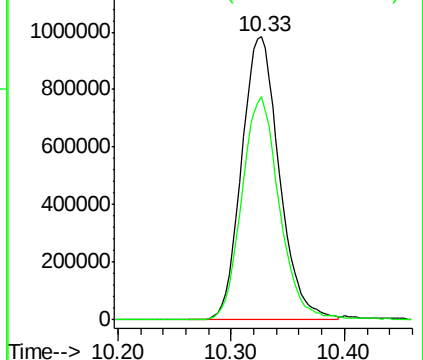
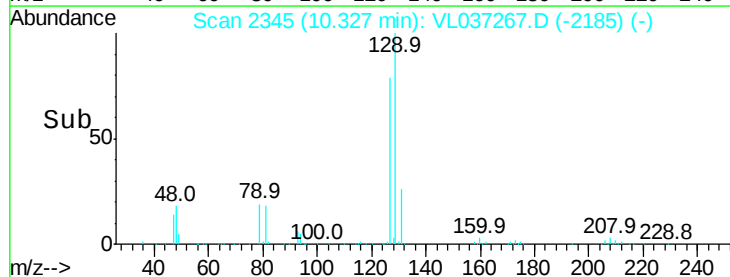


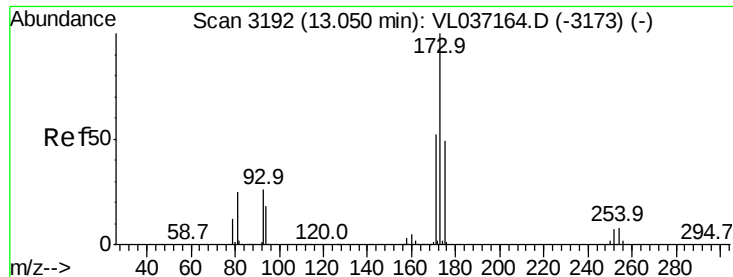
#48
 Dibromochloromethane
 Concen: 10.836 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion: 129 Resp: 2284344
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.2



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





#49

Bromoform

Concen: 11.919 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

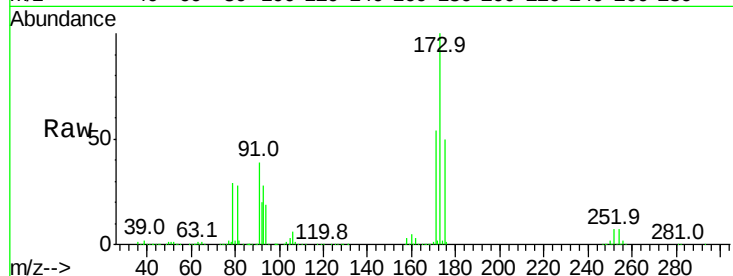
Tgt Ion:173 Resp: 1872023

Ion Ratio Lower Upper

173 100

175 50.7 40.2 60.4

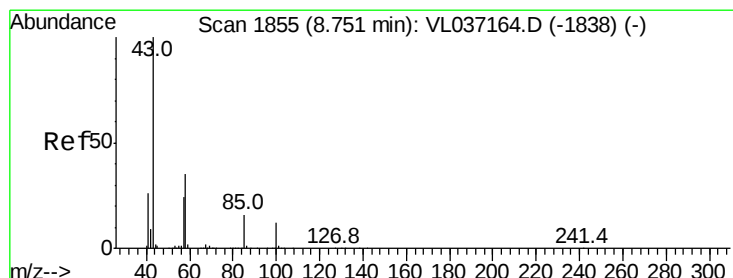
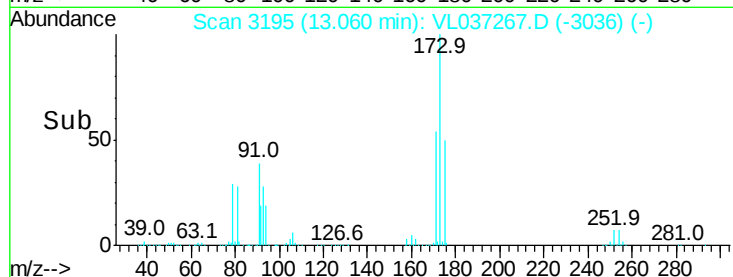
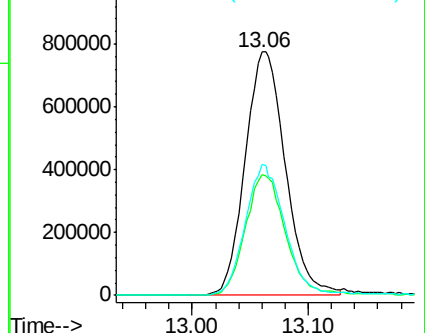
171 53.3 41.8 62.8



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: 9.936 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL037267.D

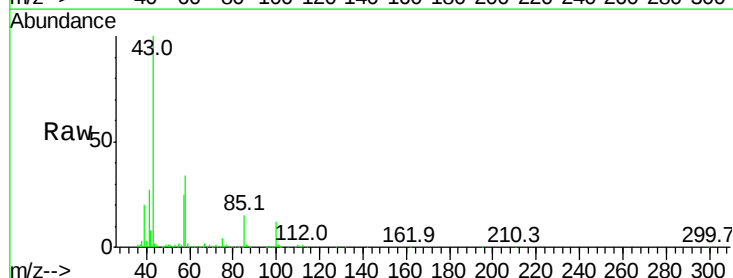
Acq: 2 Jul 2021 9:08

Tgt Ion: 43 Resp: 2067592

Ion Ratio Lower Upper

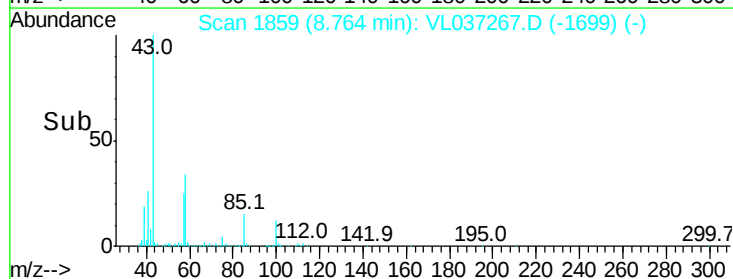
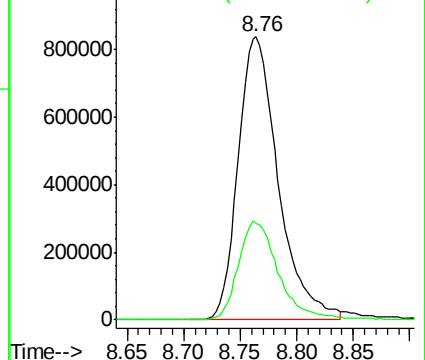
43 100

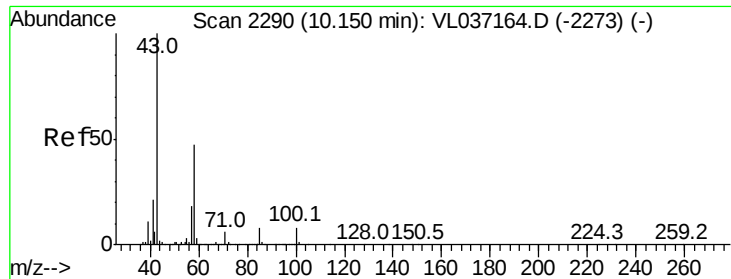
58 35.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

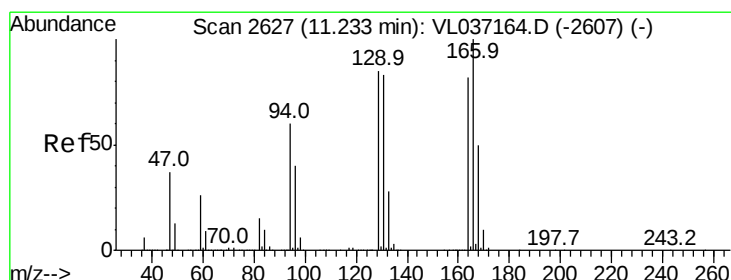
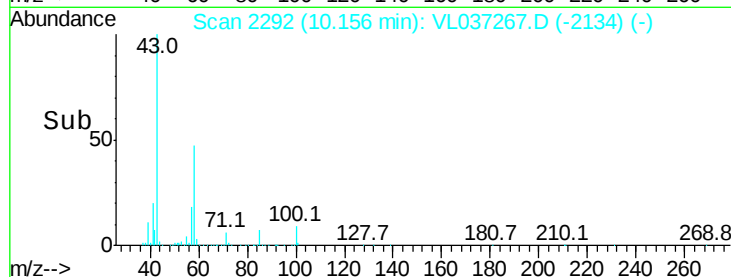
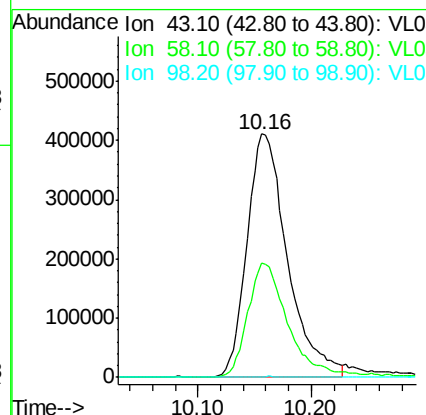
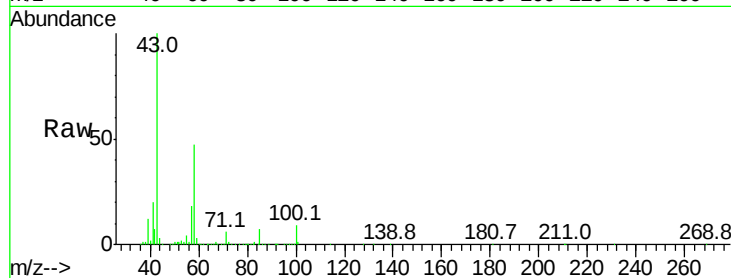




#51
2-Hexanone
Concen: 10.119 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

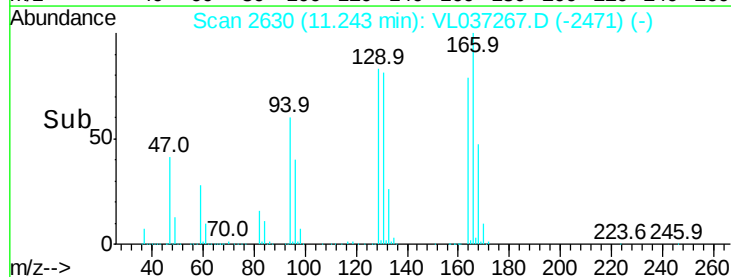
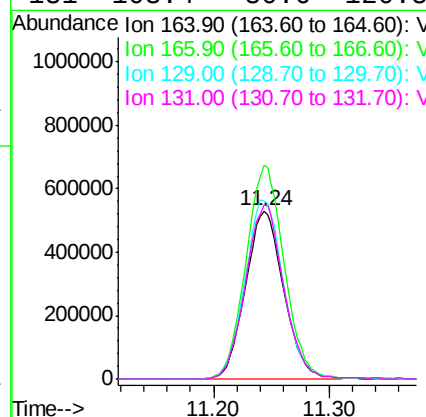
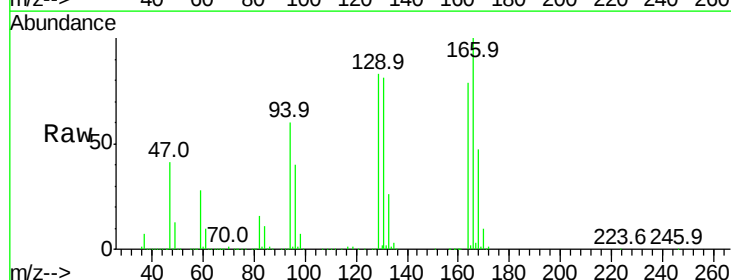
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

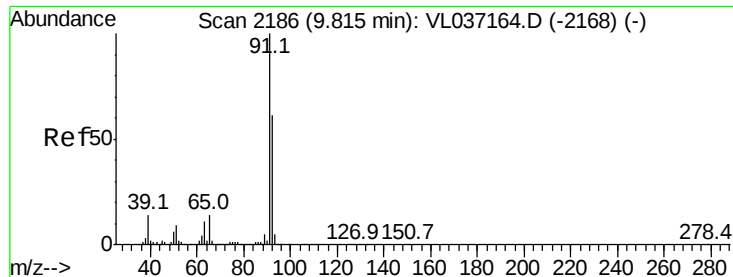
Tgt Ion: 43 Resp: 1024510
Ion Ratio Lower Upper
43 100
58 47.8 38.4 57.6
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.262 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 164 Resp: 1209357
Ion Ratio Lower Upper
164 100
166 127.1 97.6 146.4
129 105.8 82.9 124.3
131 103.4 80.6 120.8





#53

Toluene

Concen: 9.359 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

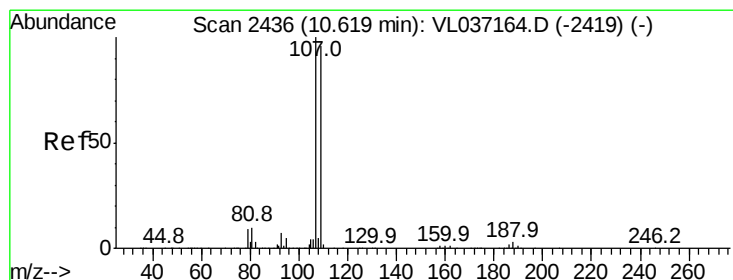
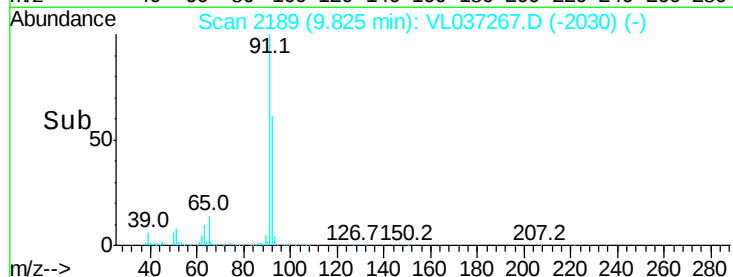
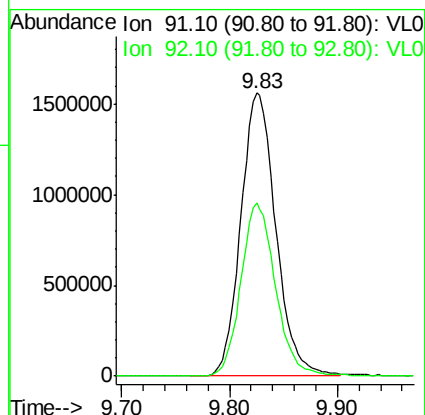
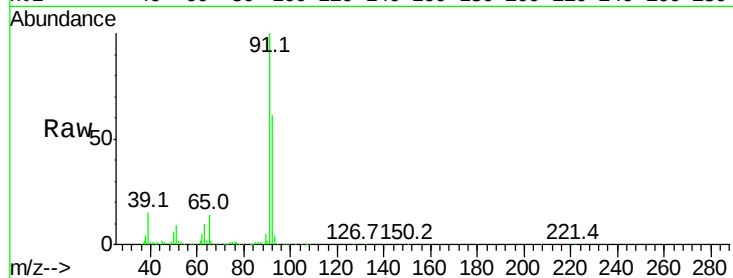
VSTDCCC010

Tgt Ion: 91 Resp: 3521777

Ion Ratio Lower Upper

91 100

92 60.8 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.753 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037267.D

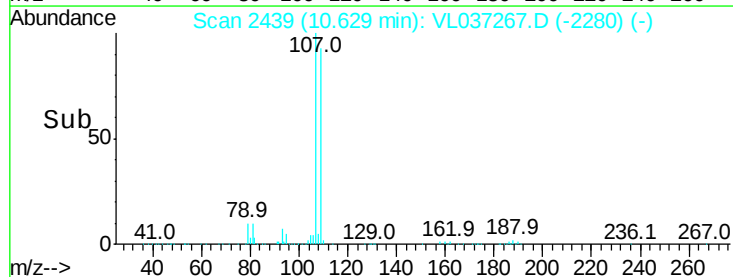
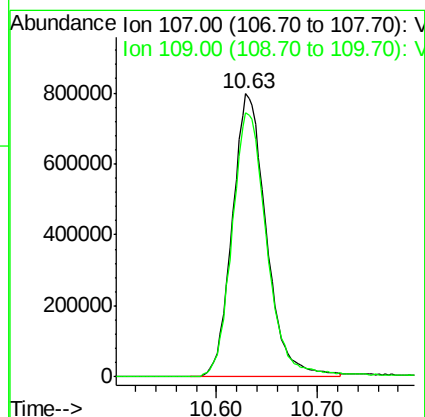
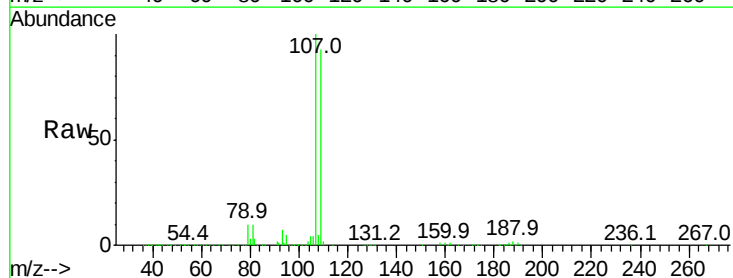
Acq: 2 Jul 2021 9:08

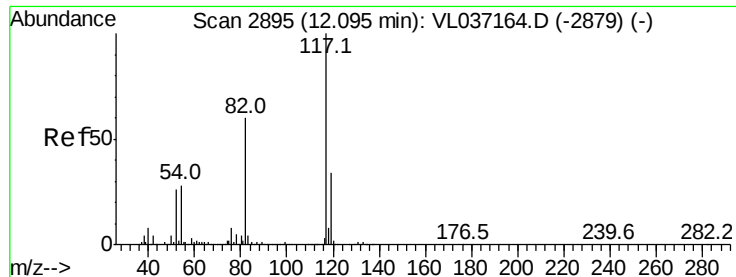
Tgt Ion: 107 Resp: 1871807

Ion Ratio Lower Upper

107 100

109 93.3 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

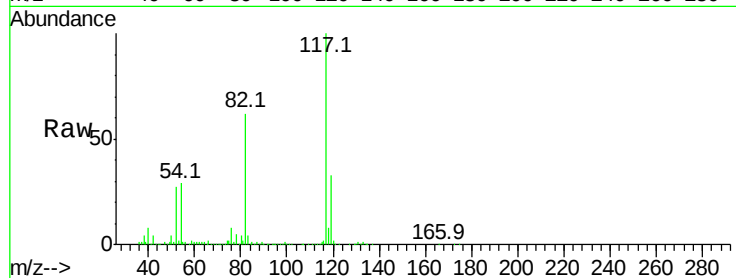
Tgt Ion:117 Resp: 4536378

Ion Ratio Lower Upper

117 100

82 52.1 51.7 77.5

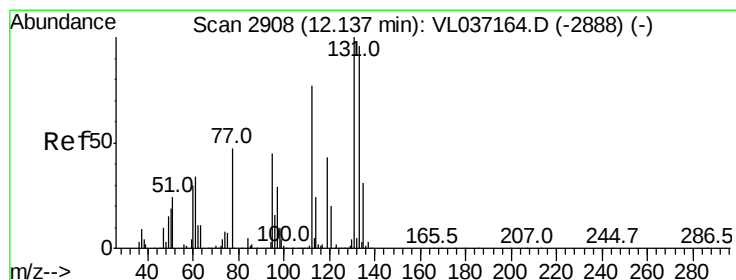
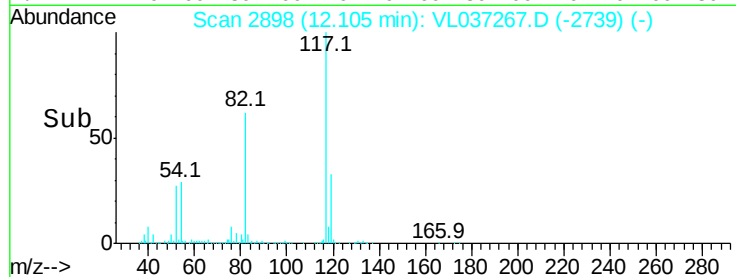
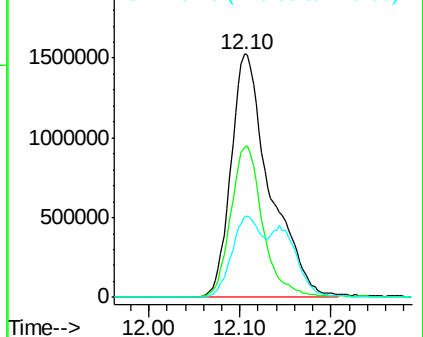
119 26.8 47.6 71.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.832 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

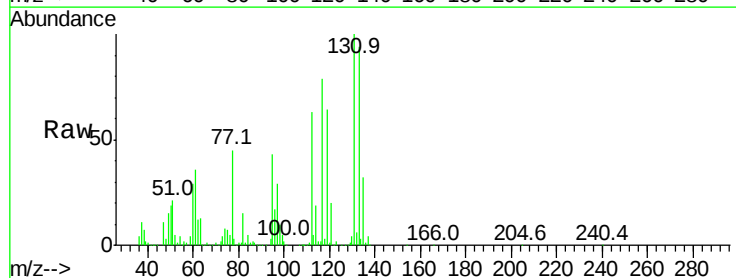
Tgt Ion:131 Resp: 1553414

Ion Ratio Lower Upper

131 100

133 95.9 76.5 114.7

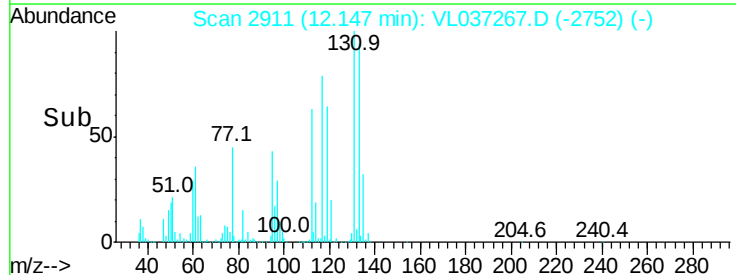
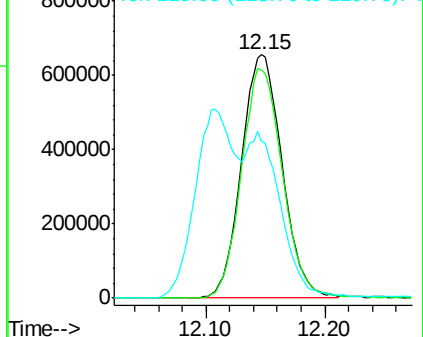
119 137.0 48.6 72.8#

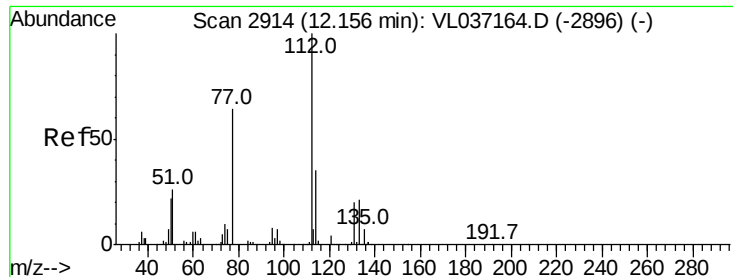


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.305 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

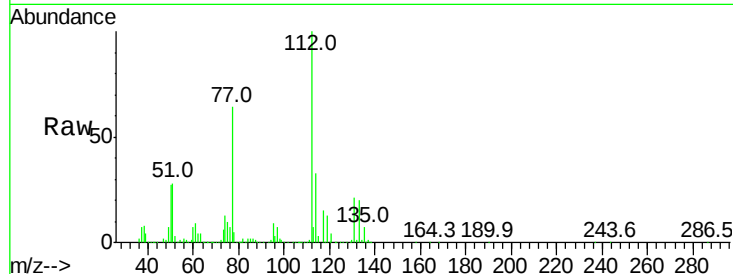
Tgt Ion: 112 Resp: 2687668

Ion Ratio Lower Upper

112 100

77 63.0 52.2 78.4

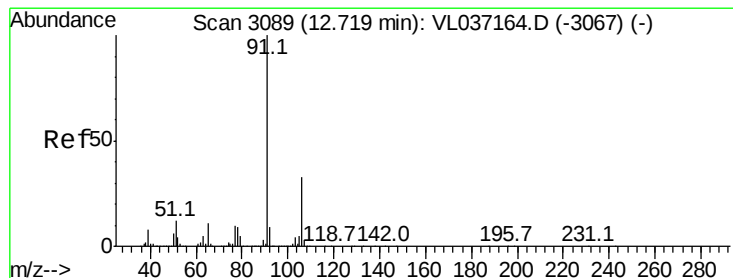
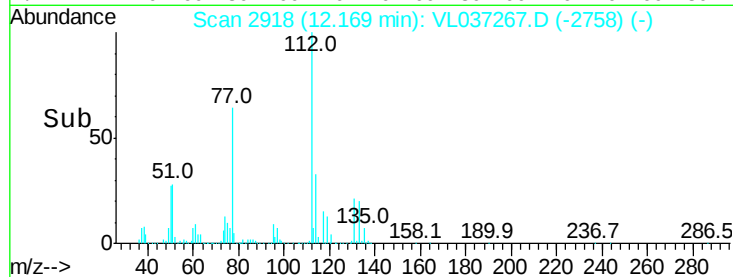
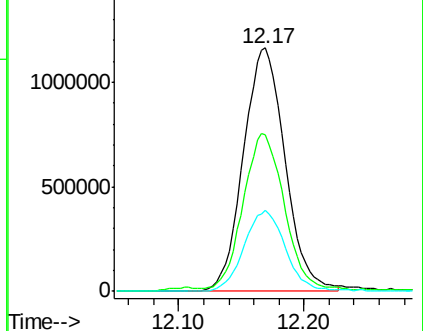
114 33.1 31.1 38.1



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: 7.596 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL037267.D

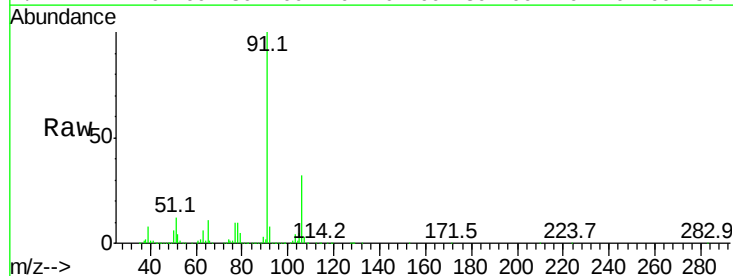
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 4743962

Ion Ratio Lower Upper

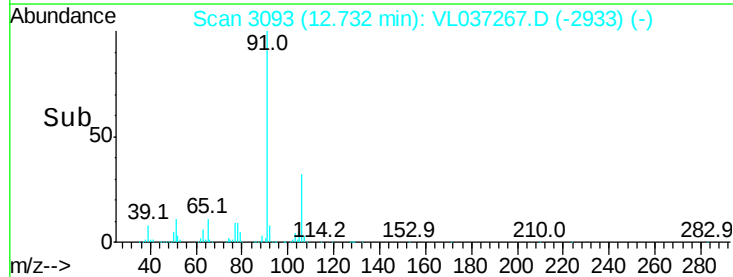
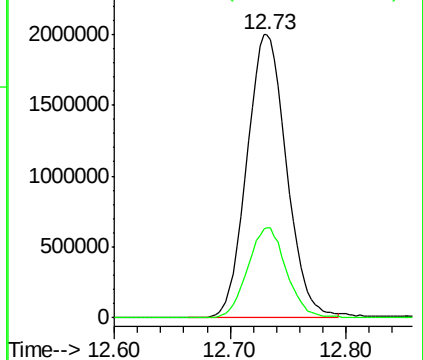
91 100

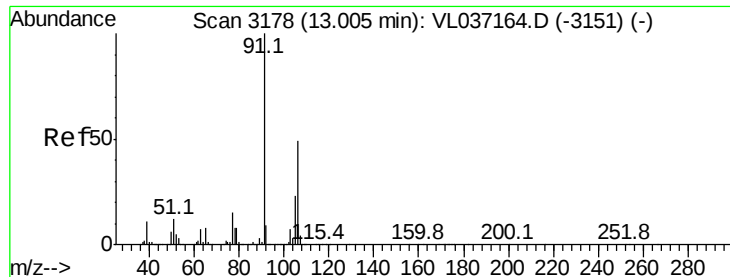
106 31.7 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

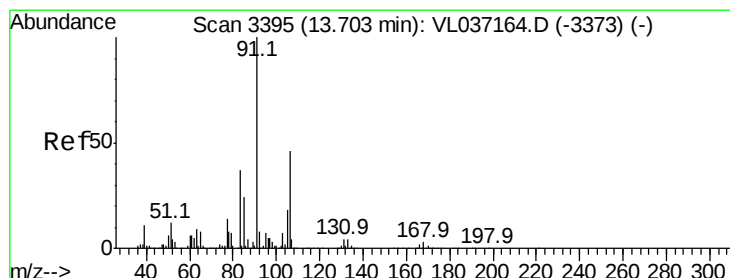
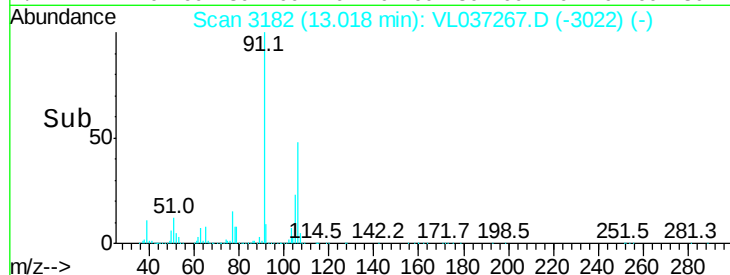
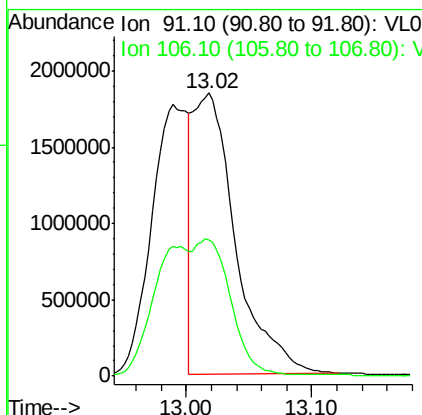
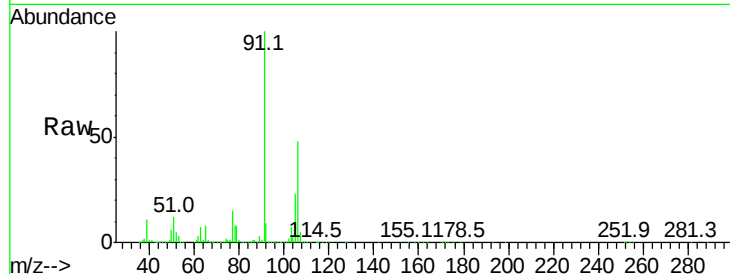




#59
m/p-Xylene
Concen: 8.179 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

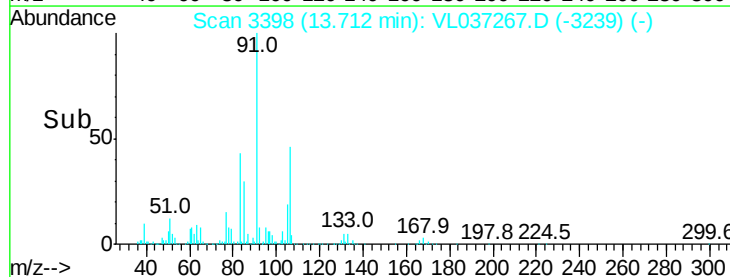
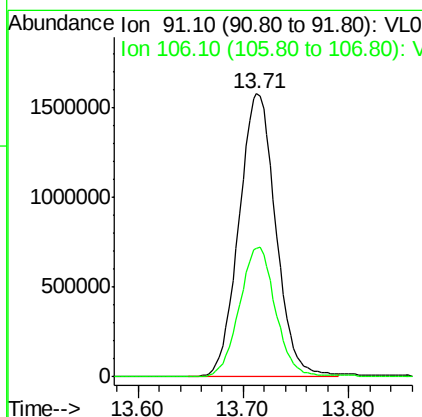
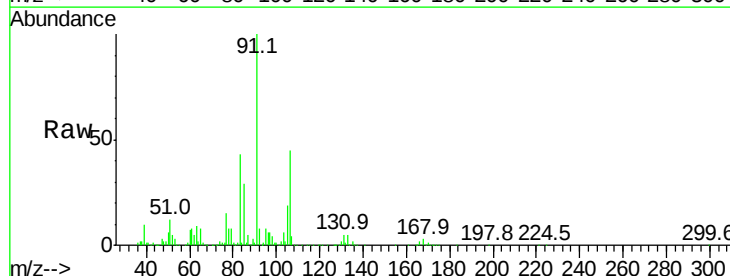
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

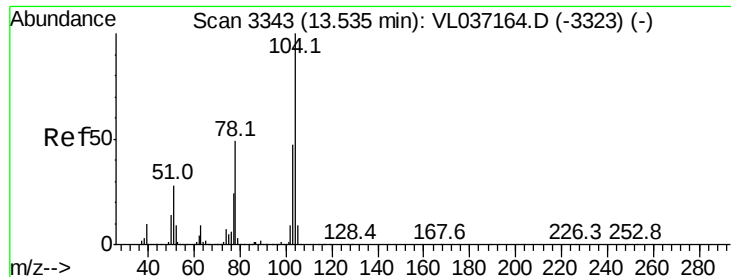
Tgt Ion: 91 Resp: 4328400
Ion Ratio Lower Upper
91 100
106 83.9 37.0 55.4#



#60
o-Xylene
Concen: 7.604 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 3831785
Ion Ratio Lower Upper
91 100
106 45.5 23.0 69.0





#61

Styrene

Concen: 8.153 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

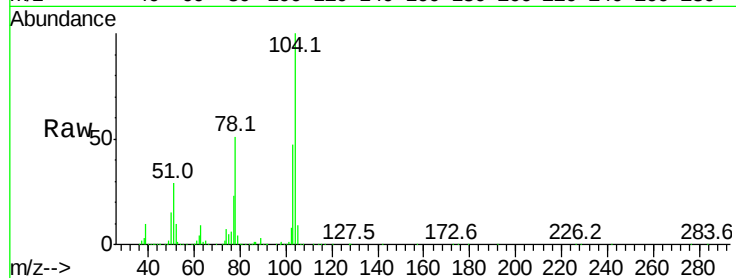
Tgt Ion:104 Resp: 2120343

Ion Ratio Lower Upper

104 100

78 52.0 39.7 59.5

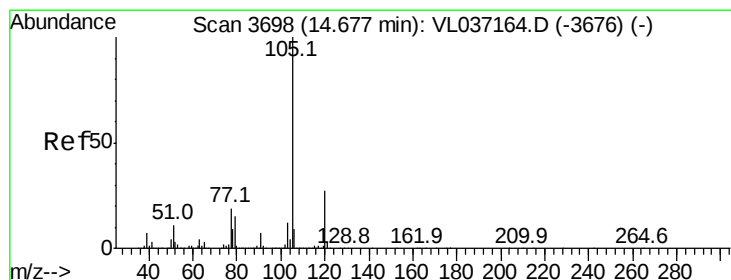
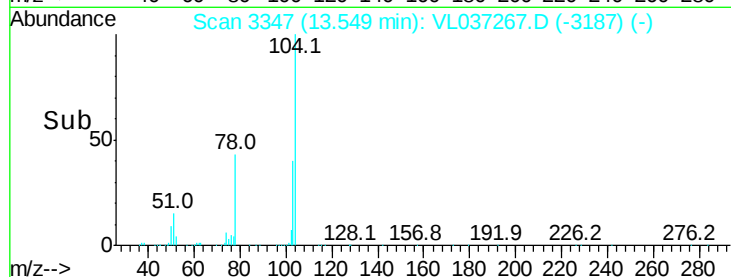
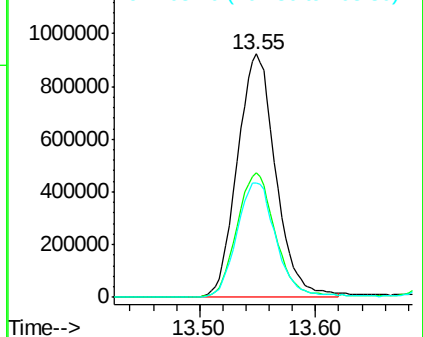
103 48.5 37.6 56.4



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: 7.518 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL037267.D

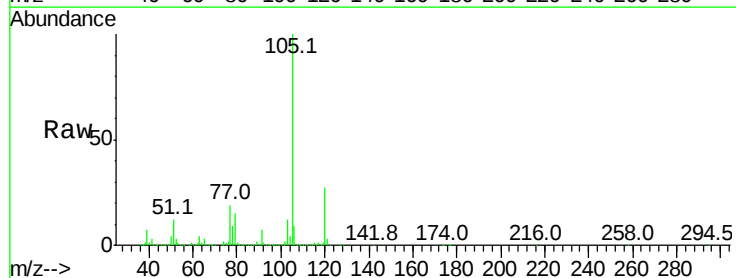
Acq: 2 Jul 2021 9:08

Tgt Ion:105 Resp: 5386843

Ion Ratio Lower Upper

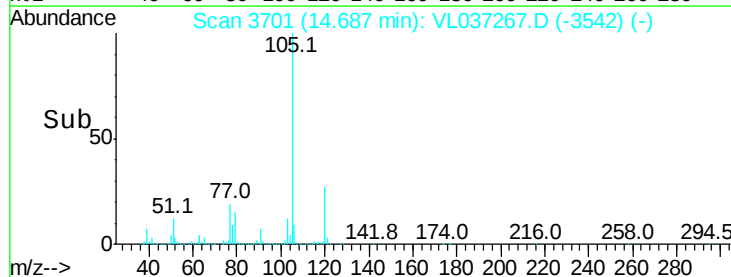
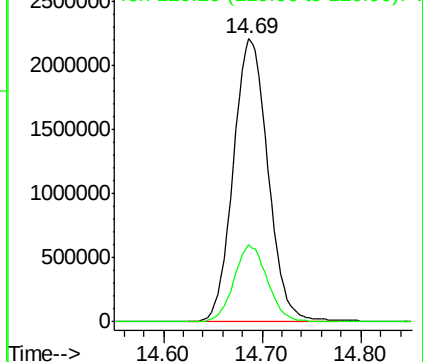
105 100

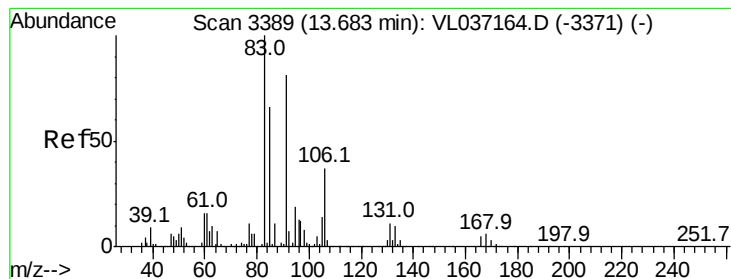
120 26.3 21.6 32.4



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: 7.750 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.02 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

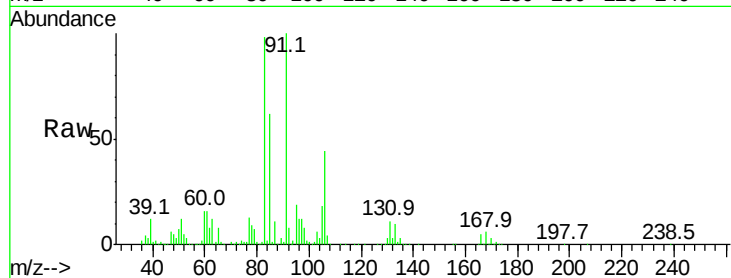
Tgt Ion: 83 Resp: 2600512

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

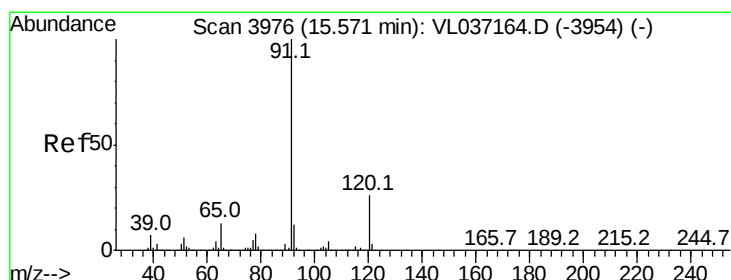
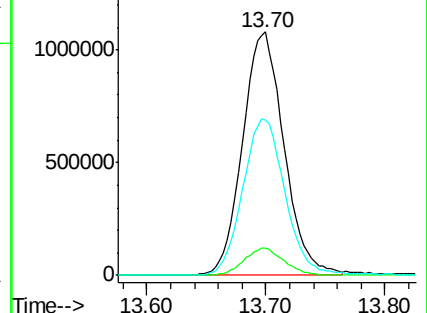
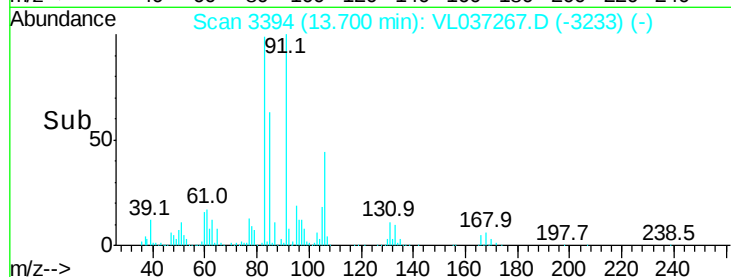
85 66.1 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.846 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.01 min

Lab File: VL037267.D

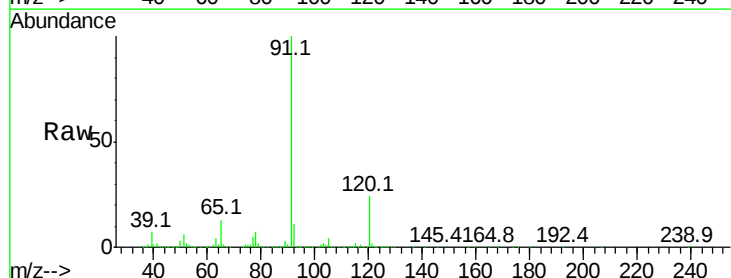
Acq: 2 Jul 2021 9:08

Tgt Ion: 120 Resp: 1408044

Ion Ratio Lower Upper

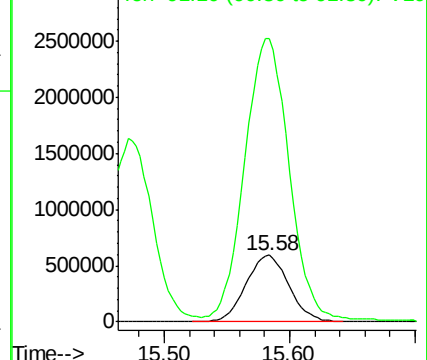
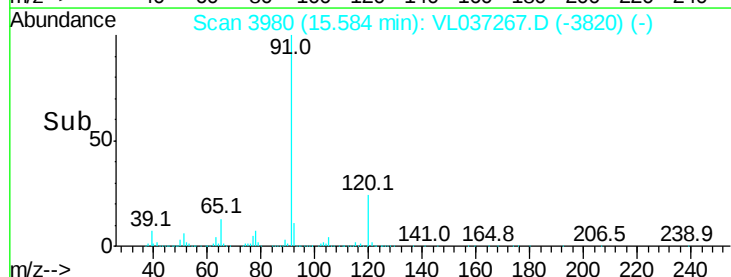
120 100

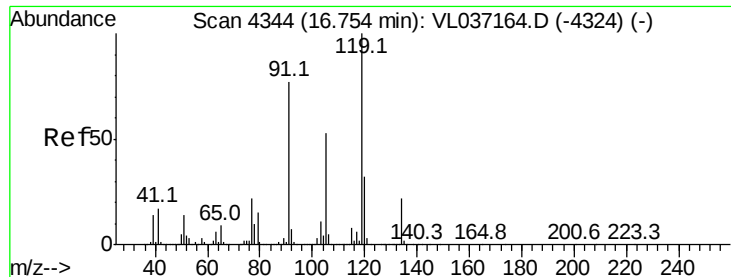
91 446.9 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

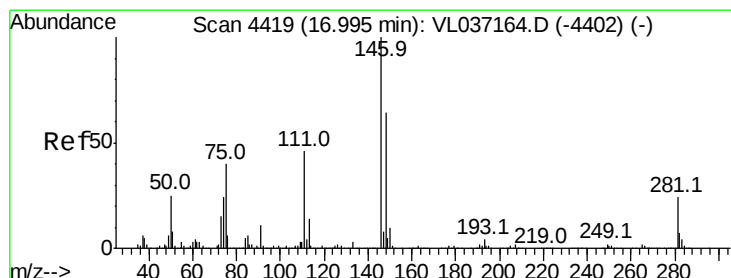
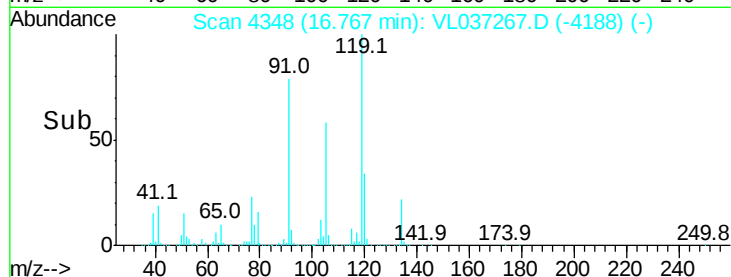
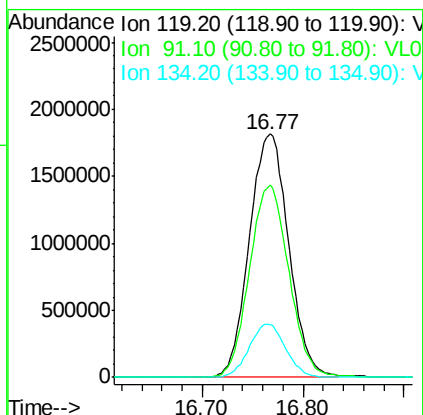
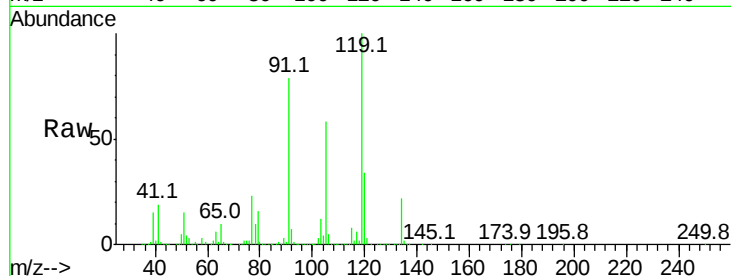




#65
tert-Butylbenzene
Concen: 7.721 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

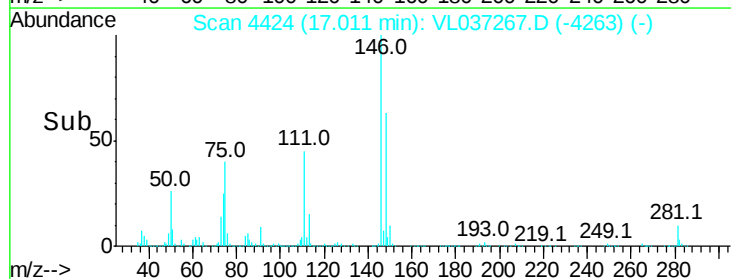
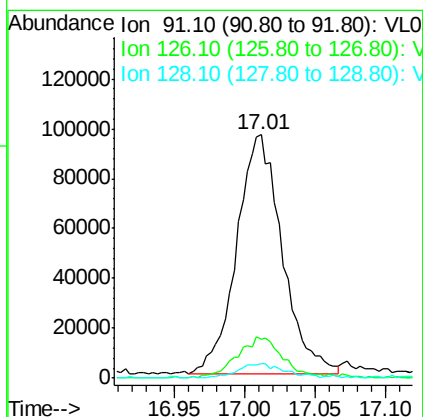
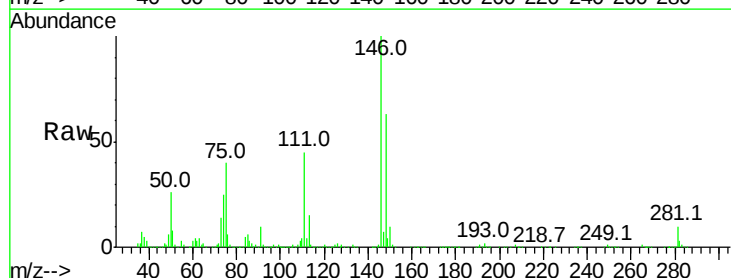
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

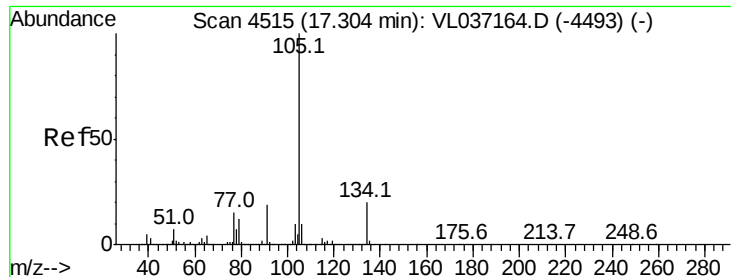
Tgt Ion: 119 Resp: 4906743
Ion Ratio Lower Upper
119 100
91 79.4 62.6 93.8
134 20.4 16.2 24.4



#66
Benzyl Chloride
Concen: 8.039 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. 0.02 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 216505
Ion Ratio Lower Upper
91 100
126 18.4 15.5 23.3
128 7.3 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.702 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

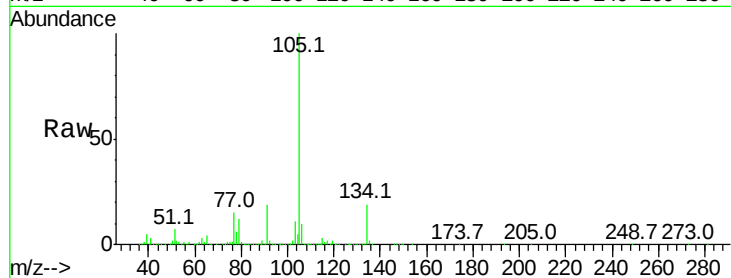
VSTDCCC010

Tgt Ion: 105 Resp: 6527264

Ion Ratio Lower Upper

105 100

134 19.4 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

1000000

500000

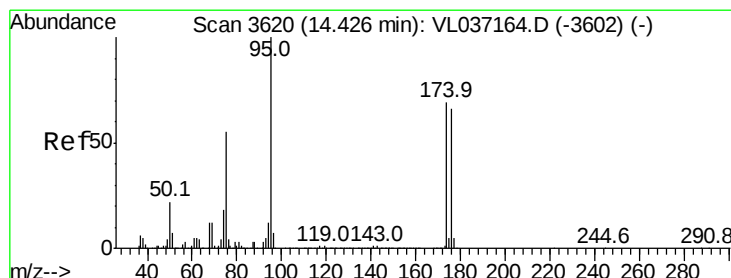
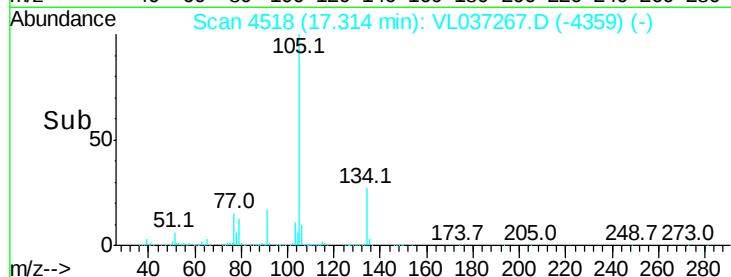
0

17.20

17.31

17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.362 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

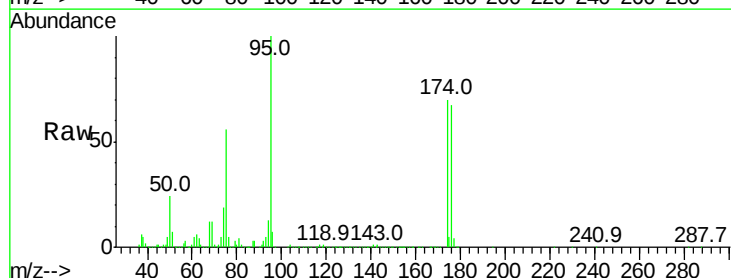
Tgt Ion: 95 Resp: 2874398

Ion Ratio Lower Upper

95 100

174 70.3 57.0 85.4

175 5.2 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

1000000

500000

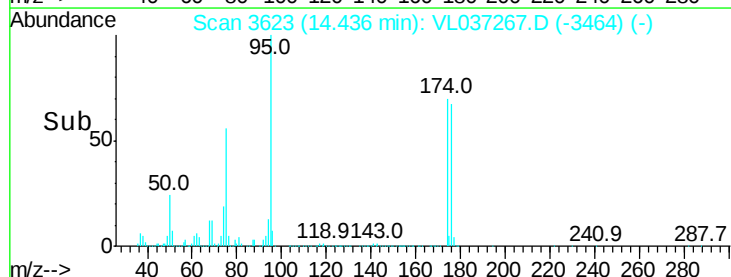
0

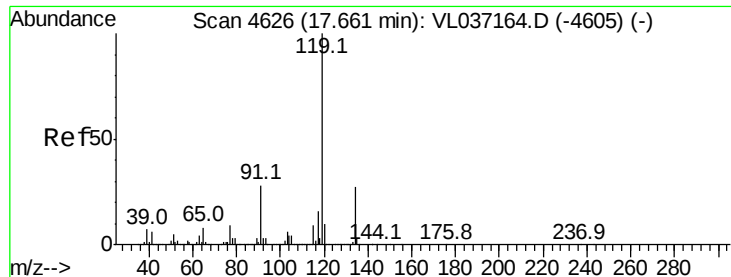
14.30

14.44

14.50

Time-->

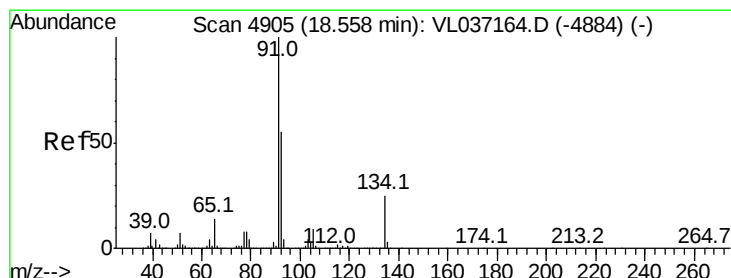
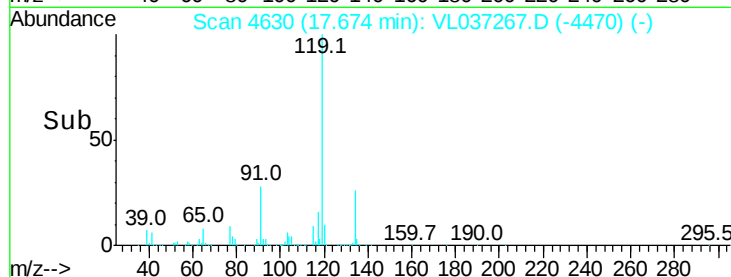
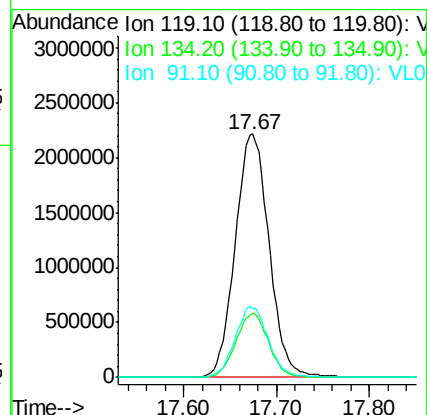
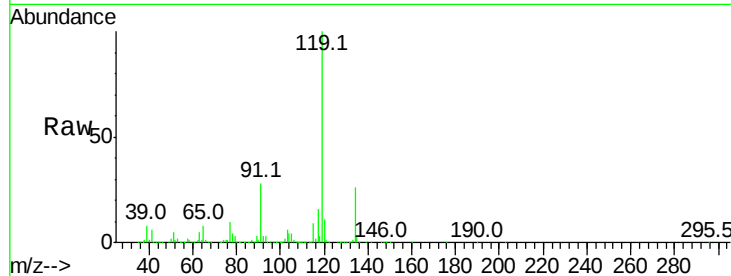




#69
p-Isopropyltoluene
Concen: 7.819 ppbv
RT: 17.67 min Scan# 4630
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

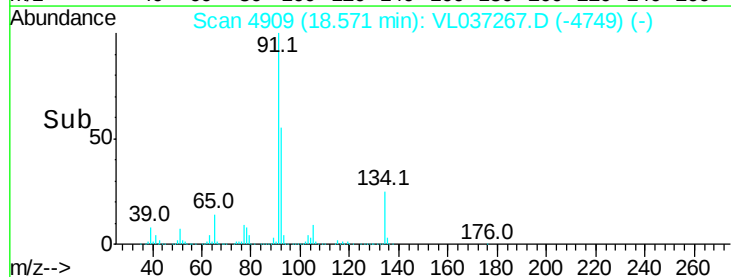
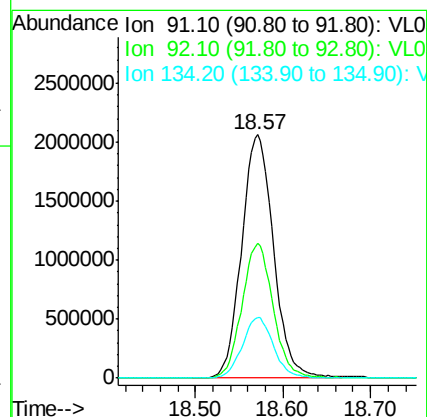
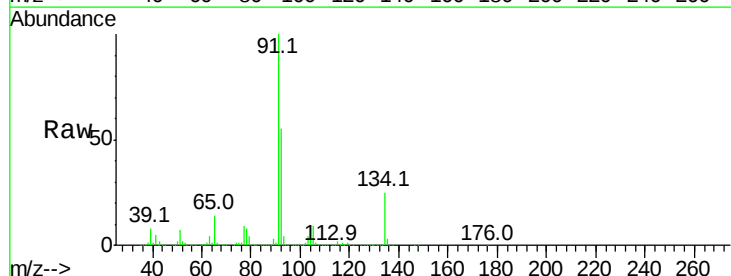
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

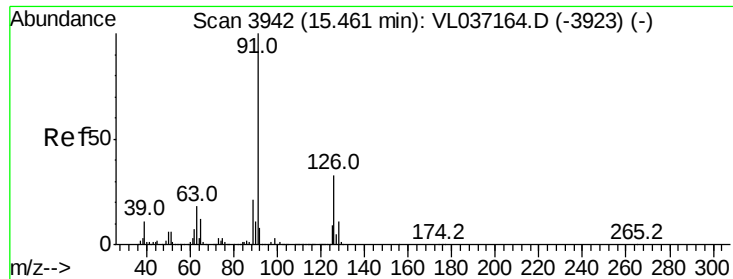
Tgt Ion: 119 Resp: 5597281
Ion Ratio Lower Upper
119 100
134 25.6 20.9 31.3
91 28.4 22.6 34.0



#70
n-Butylbenzene
Concen: 7.886 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 5224222
Ion Ratio Lower Upper
91 100
92 54.2 44.0 66.0
134 24.5 20.2 30.4

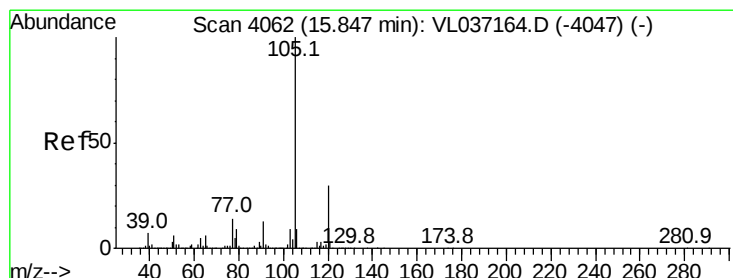
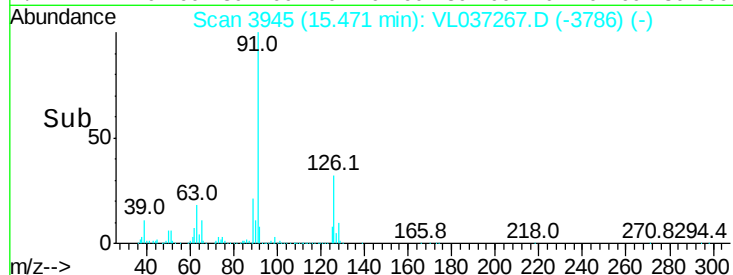
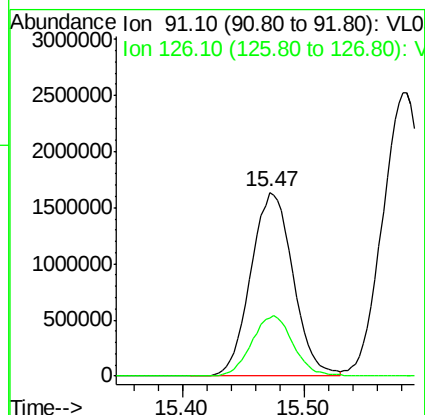
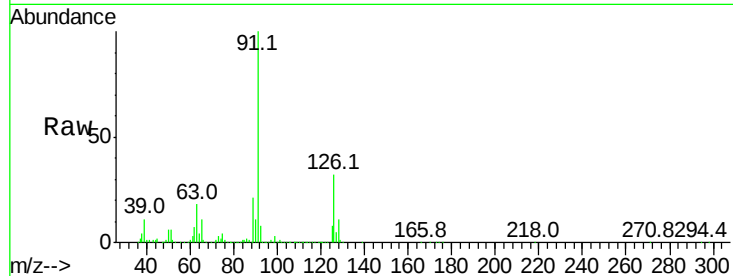




#71
2-Chlorotoluene
Concen: 7.830 ppbv
RT: 15.47 min Scan# 3945
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

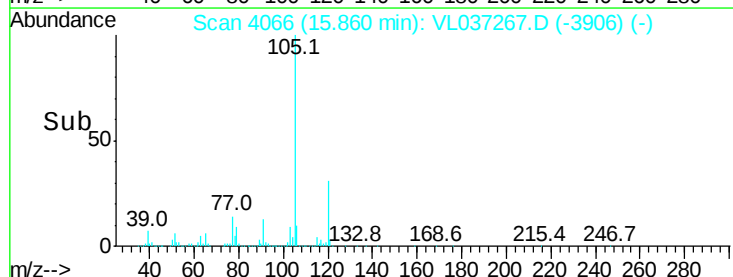
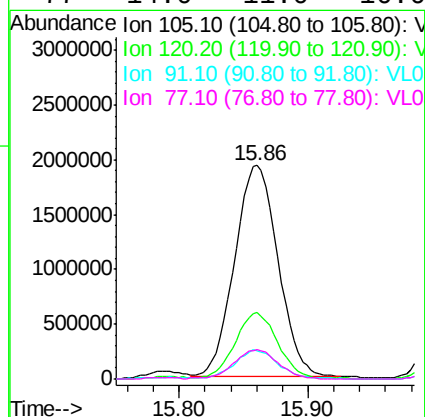
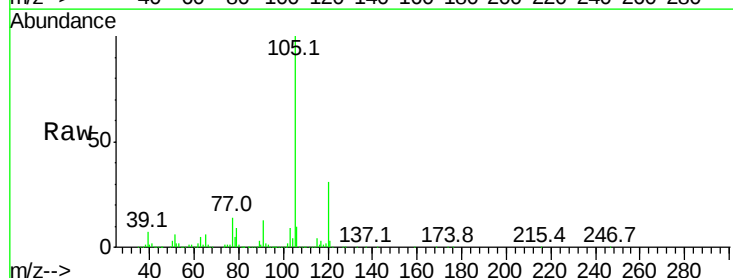
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

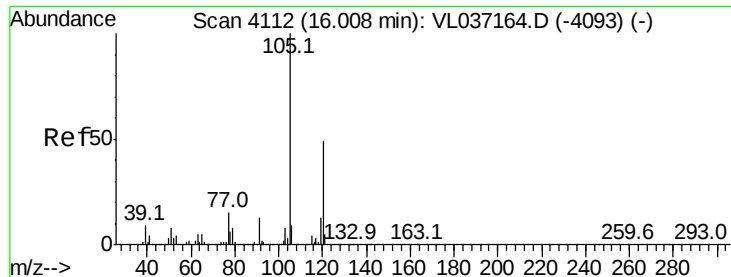
Tgt Ion: 91 Resp: 3922829
Ion Ratio Lower Upper
91 100
126 32.6 13.5 54.1



#72
4-Ethyltoluene
Concen: 7.888 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 105 Resp: 4515729
Ion Ratio Lower Upper
105 100
120 31.2 24.7 37.1
91 13.3 10.2 15.4
77 14.0 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 7.638 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

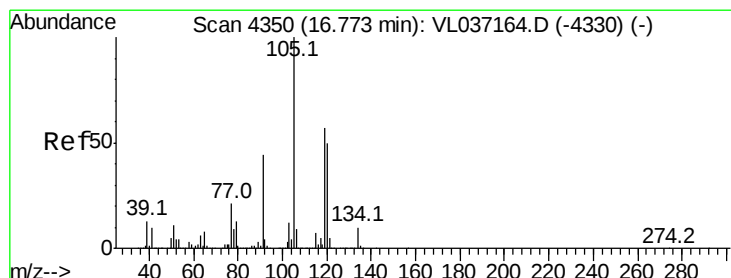
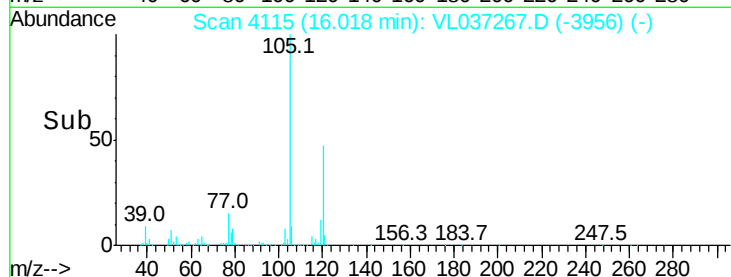
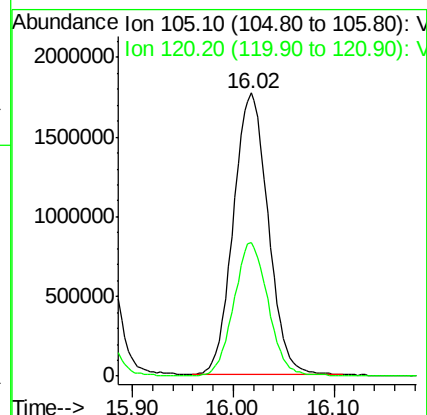
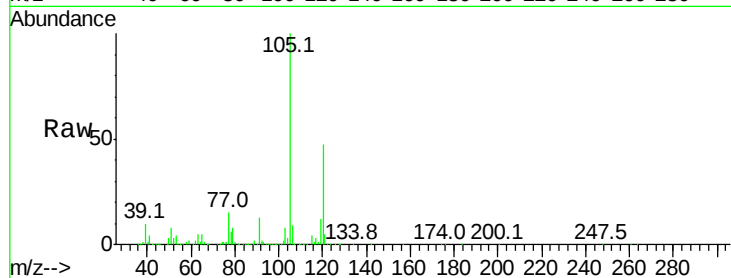
VSTDCCC010

Tgt Ion:105 Resp: 4226439

Ion Ratio Lower Upper

105 100

120 47.4 39.4 59.2



#74

1,2,4-Trimethylbenzene

Concen: 7.732 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion:105 Resp: 4408497

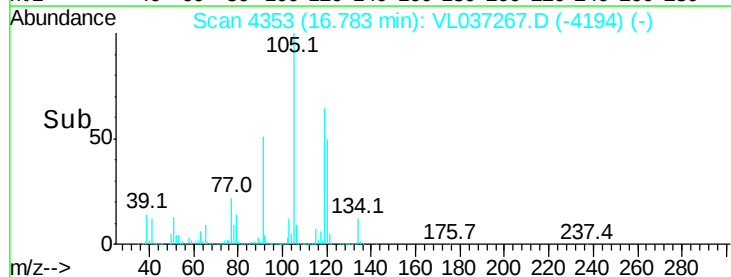
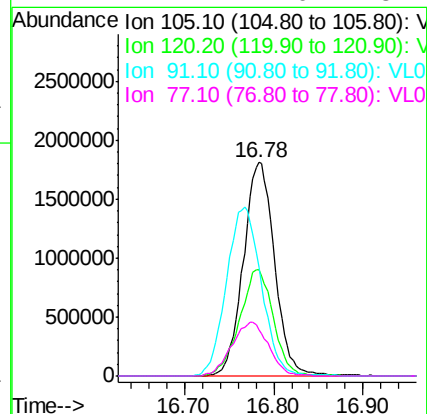
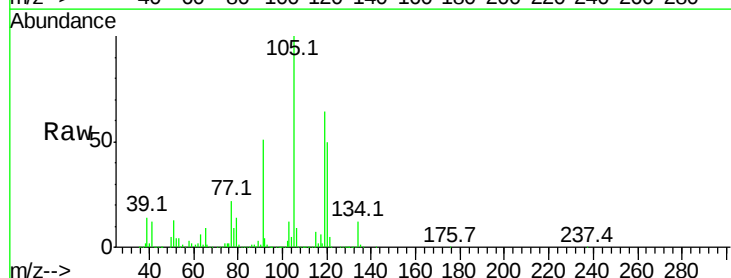
Ion Ratio Lower Upper

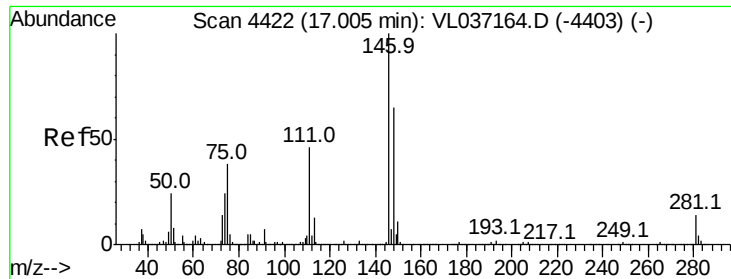
105 100

120 49.7 39.8 59.8

91 50.5 37.0 55.4

77 21.7 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 7.533 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

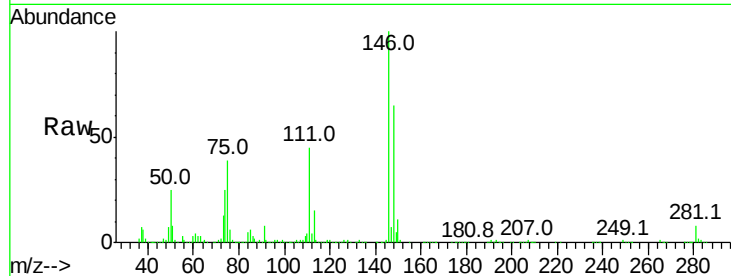
Tgt Ion:146 Resp: 2611663

Ion Ratio Lower Upper

146 100

111 45.8 22.2 66.6

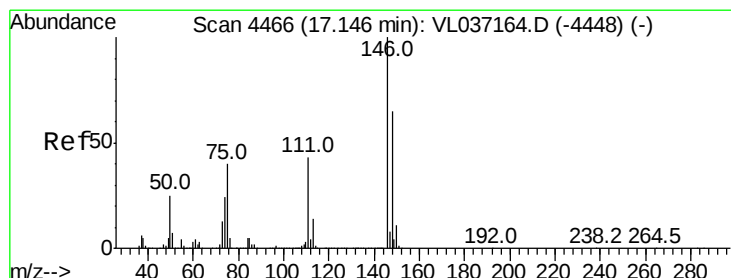
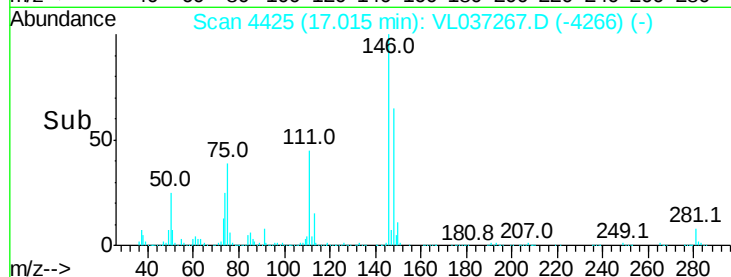
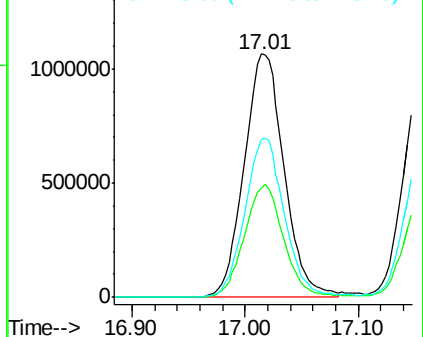
148 65.0 32.4 97.2



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: 7.211 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

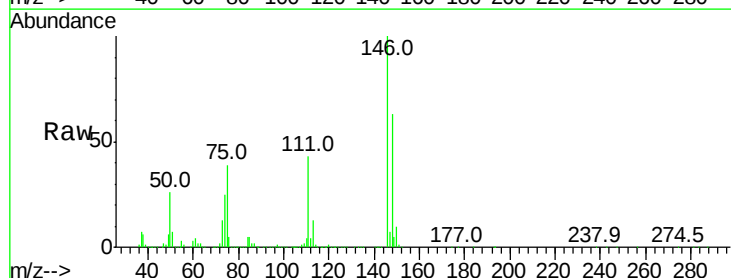
Tgt Ion:146 Resp: 2496933

Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.0

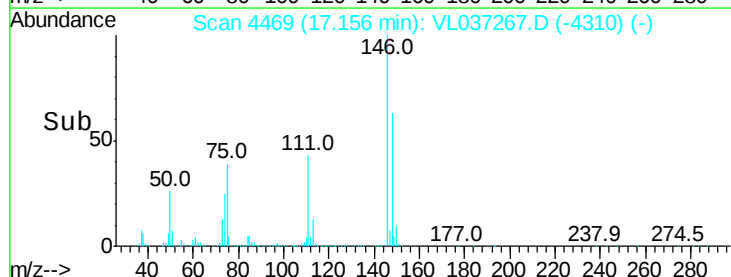
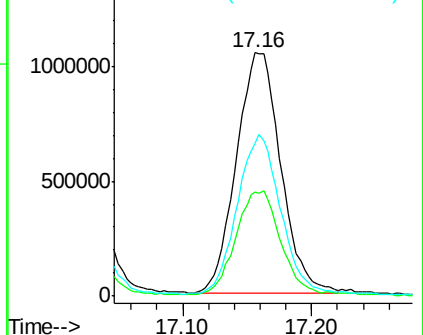
148 67.3 33.7 101.1

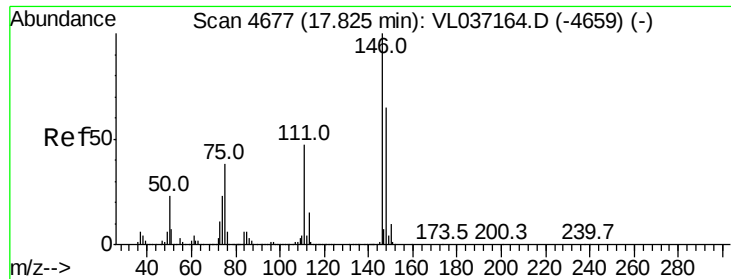


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

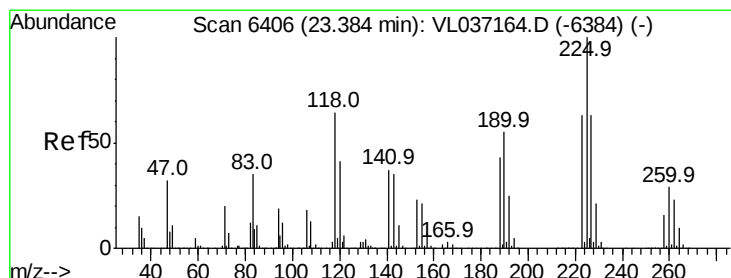
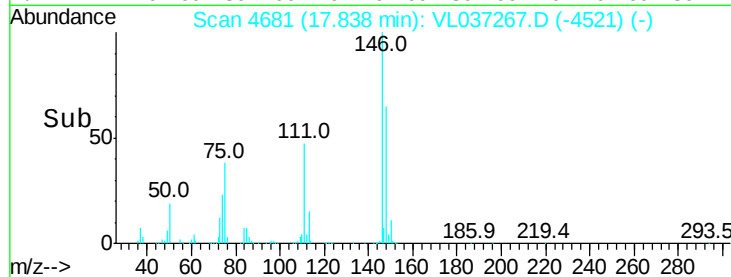
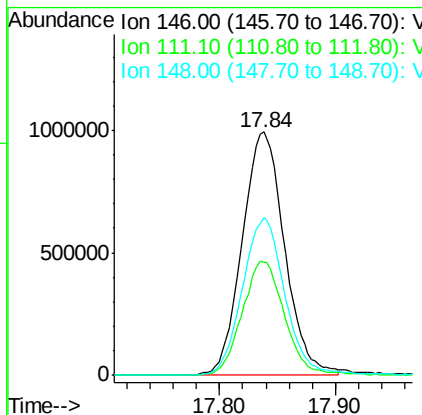
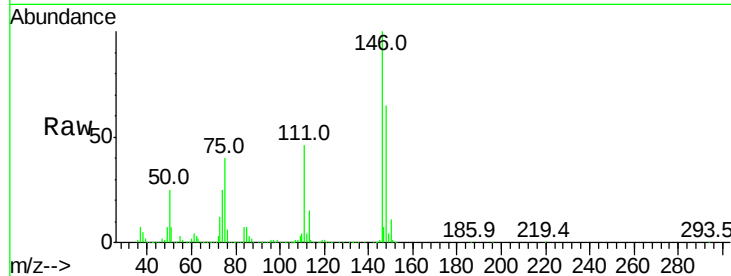




#77
 1,2-Dichlorobenzene
 Concen: 7.475 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

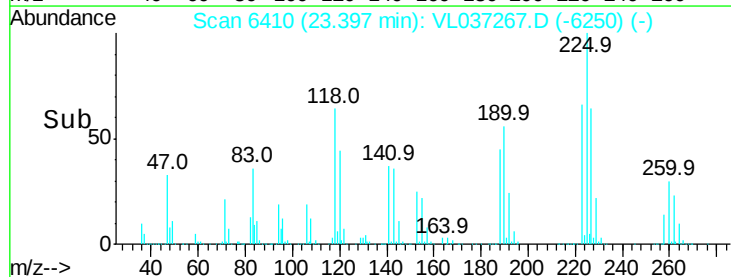
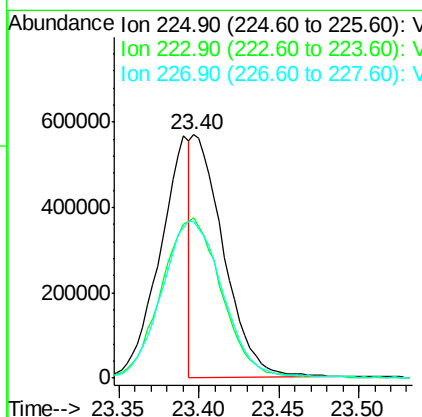
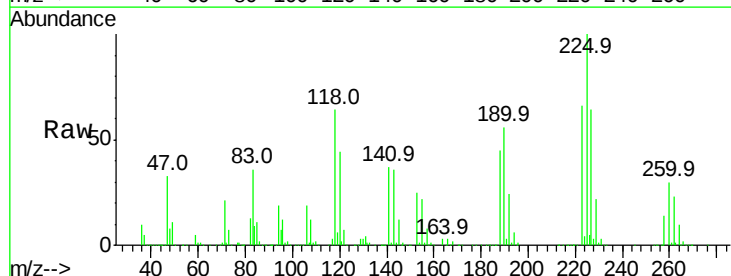
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

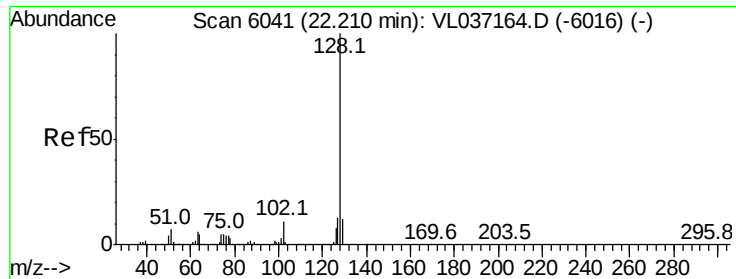
Tgt Ion:146 Resp: 2506896
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.3 69.8
 148 65.3 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.722 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion:225 Resp: 784796
 Ion Ratio Lower Upper
 225 100
 223 127.4 51.8 77.8#
 227 125.7 51.4 77.0#

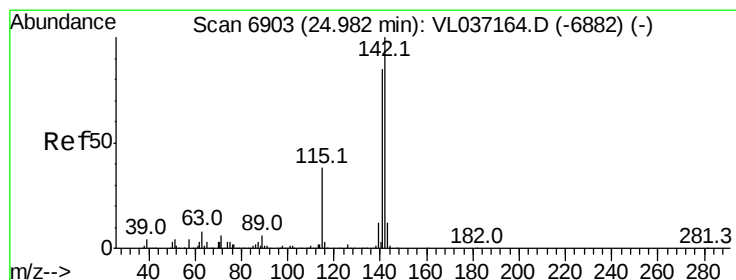
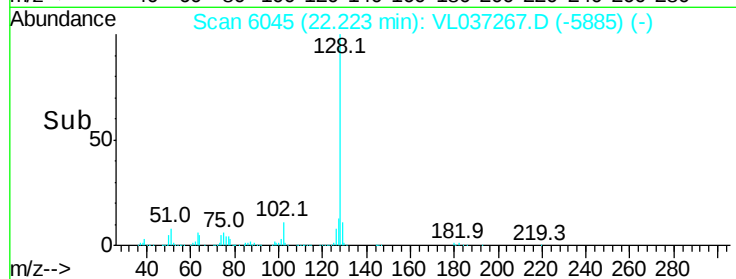
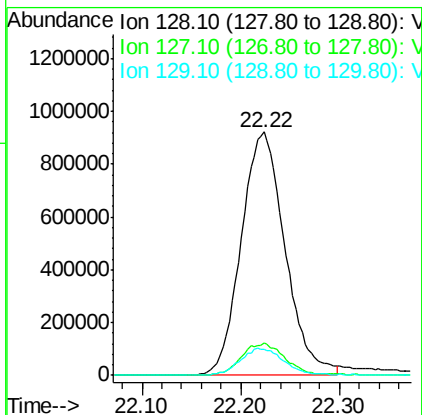
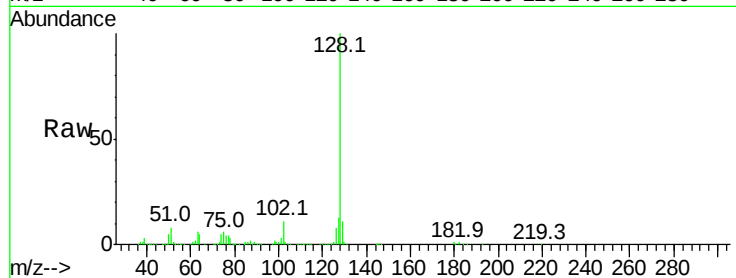




#79
Naphthalene
Concen: 5.956 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

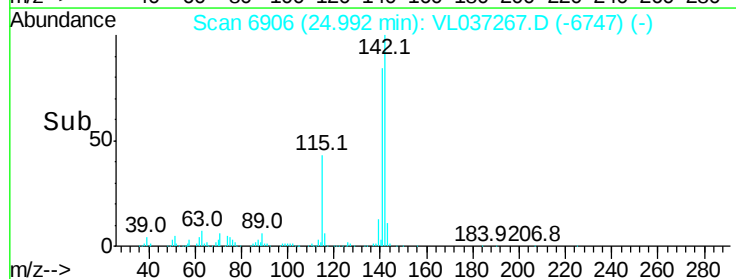
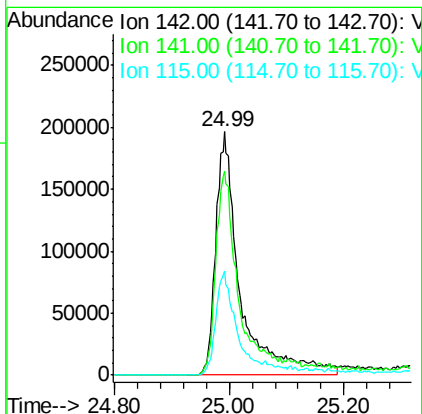
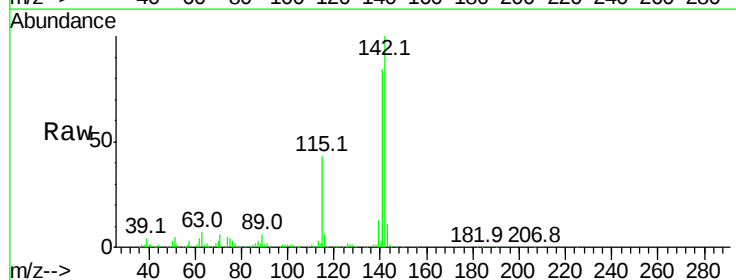
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

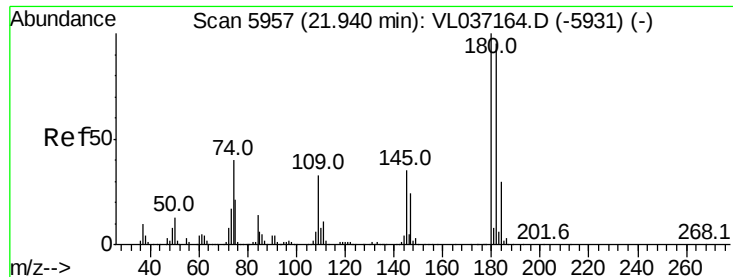
Tgt Ion:128 Resp: 2831385
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 4.717 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion:142 Resp: 588071
Ion Ratio Lower Upper
142 100
141 81.1 63.7 95.5
115 39.7 30.6 45.8

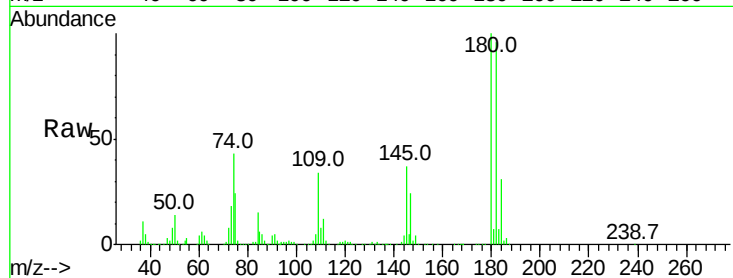




#81
 1,2,4-Trichlorobenzene
 Concen: 6.066 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1663976
 Ion Ratio Lower Upper
 180 100
 182 97.6 79.3 118.9
 184 31.3 24.7 37.1



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

