

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037042.D
 Acq On : 21 May 2021 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 21 03:39:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1106972	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3317279	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3860671	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2322082	8.01	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.02	85	1988264	10.588	ppbv	99
3) Chlorodifluoromethane	2.96	51	2017492	9.948	ppbv	99
4) Chloromethane	3.12	50	679386	9.845	ppbv	99
5) Vinyl Chloride	3.23	62	750676	9.952	ppbv	100
6) Bromomethane	3.45	94	448437	11.282	ppbv	98
7) Chloroethane	3.53	64	270170	11.031	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1840764	10.440	ppbv	98
9) Propene	2.99	41	689388	9.493	ppbv	99
10) Heptane	8.09	43	1727106	9.543	ppbv	99
11) Trichlorofluoromethane	3.92	101	1874453	10.784	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1319516	10.657	ppbv	98
13) Ethanol	3.59	45	32948	3.401	ppbv #	22
14) Bromoethene	3.71	108	562570	10.316	ppbv	98
15) Acetone	3.83	43	983616	8.675	ppbv	100
16) 1,3-Butadiene	3.30	39	730247	10.366	ppbv	98
17) tert-Butyl alcohol	4.27	59	973087	9.369	ppbv	99
18) 1,1-Dichloroethene	4.26	96	602925	10.531	ppbv	98
19) Isopropyl Alcohol	3.94	45	537531	8.819	ppbv #	35
20) Methylene Chloride	4.31	84	534309	8.791	ppbv	97
21) Allyl Chloride	4.38	41	897038	10.487	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	600430	10.943	ppbv	98
23) Vinyl Acetate	5.04	43	1890582	10.505	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1325348	10.231	ppbv	100
25) Ethyl Acetate	5.65	43	2623904	9.631	ppbv	100
26) Hexane	5.65	57	1305881	9.382	ppbv	99
27) Carbon Disulfide	4.52	76	1373904	9.794	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1614124	9.675	ppbv	99
29) Chloroform	5.72	83	1995801	10.149	ppbv	96
30) Cyclohexane	7.10	84	1128742	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1254883	10.056	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2046394	9.691	ppbv	99
34) 2-Butanone	5.21	43	1252931	10.373	ppbv	99
35) Carbon Tetrachloride	6.98	117	2110743	9.576	ppbv	99
36) Benzene	6.86	78	2728280	9.548	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1499709	10.586	ppbv	99
38) Trichloroethene	7.80	130	1120631	9.168	ppbv	97
39) 1,2-Dichloropropane	7.58	63	1037573	9.426	ppbv	97
40) 1,4-Dioxane	7.80	88	241524	9.293	ppbv #	100
41) Tetrahydrofuran	6.01	42	641142	9.320	ppbv	98
42) Bromodichloromethane	7.75	83	2170150	10.126	ppbv	100
43) Methyl Methacrylate	7.98	69	999140	10.145	ppbv	100

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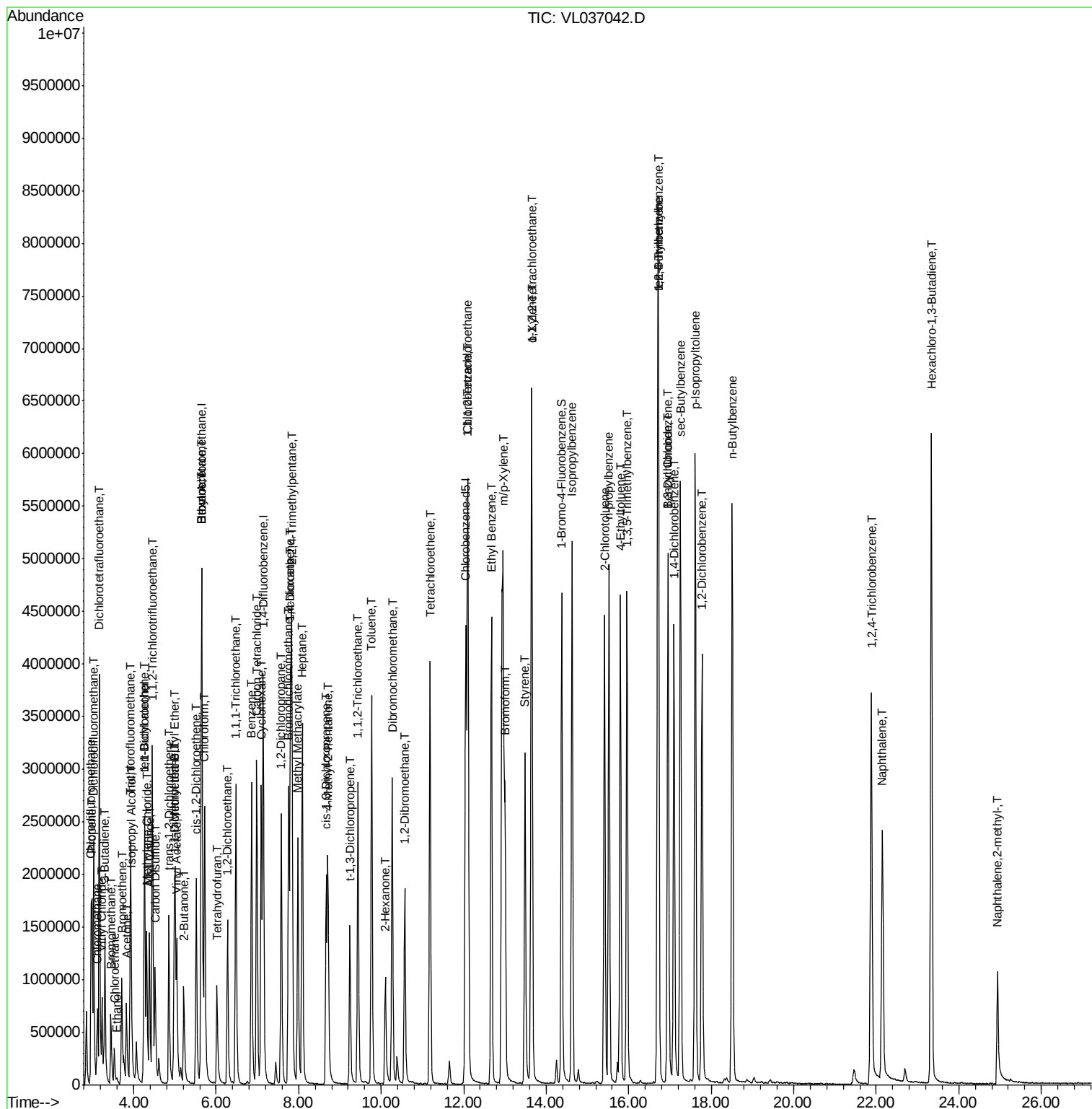
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4466685	9.112	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	998428	13.270	ppbv	97
46) cis-1,3-Dichloropropene	8.66	75	1264979	12.500	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1138166	9.880	ppbv	97
48) Dibromochloromethane	10.27	129	1935427	10.376	ppbv	100
49) Bromoform	13.00	173	1639016	10.639	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1941105	9.739	ppbv	99
51) 2-Hexanone	10.10	43	1029996	9.775	ppbv	98
52) Tetrachloroethene	11.19	164	1113458	9.800	ppbv	98
53) Toluene	9.77	91	3281630	9.652	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1718224	10.491	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1323904	8.150	ppbv	95
57) Chlorobenzene	12.11	112	2436944	8.141	ppbv	99
58) Ethyl Benzene	12.67	91	4339836	7.965	ppbv	99
59) m/p-Xylene	12.96	91	4276553	9.495	ppbv #	54
60) o-Xylene	13.65	91	3428970	7.982	ppbv	99
61) Styrene	13.49	104	2062200	8.521	ppbv	99
62) Isopropylbenzene	14.63	105	4834862	7.831	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2341887	7.300	ppbv	100
64) n-propylbenzene	15.52	120	1311089	8.231	ppbv	99
65) tert-Butylbenzene	16.71	119	4358126	7.823	ppbv	100
66) Benzyl Chloride	16.95	91	237135	7.672	ppbv	97
67) sec-Butylbenzene	17.26	105	5936713	7.812	ppbv	100
69) p-Isopropyltoluene	17.61	119	5139751	7.866	ppbv	99
70) n-Butylbenzene	18.51	91	4933178	7.948	ppbv	99
71) 2-Chlorotoluene	15.41	91	3595512	8.064	ppbv	100
72) 4-Ethyltoluene	15.80	105	4252956	8.342	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3839336	8.019	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3976357	8.032	ppbv	95
75) 1,3-Dichlorobenzene	16.95	146	2473257	8.182	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2479928	8.114	ppbv	97
77) 1,2-Dichlorobenzene	17.77	146	2397396	7.915	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1682229	6.907	ppbv	100
79) Naphthalene	22.15	128	3484946	8.972	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	922335	10.920	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	1980566	8.364	ppbv	99

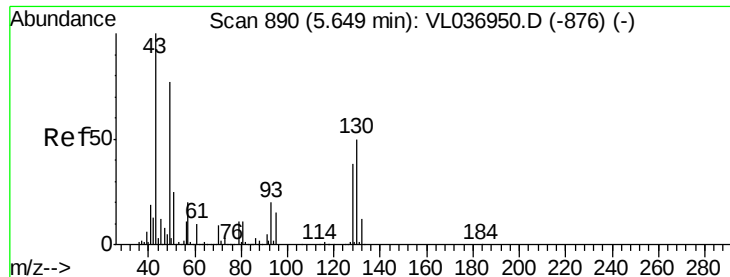
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

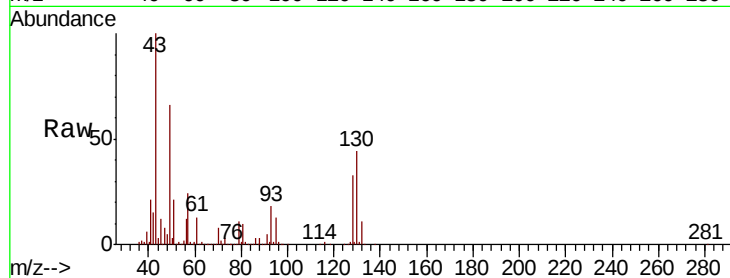
Tot Ion: 49 Resp: 1106972

Ion Ratio Lower Upper

49 100

128 56.7 26.9 80.7

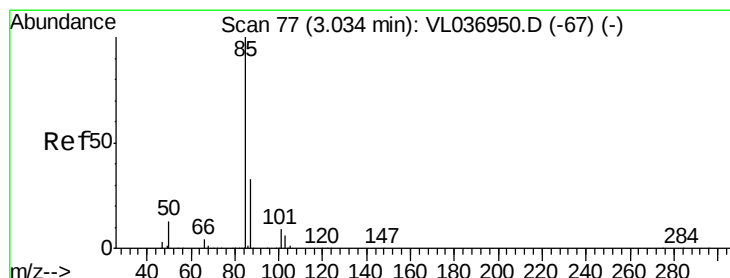
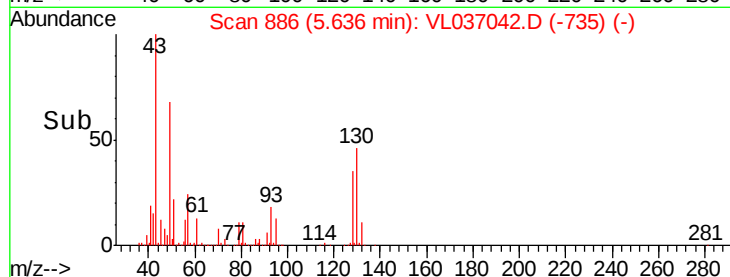
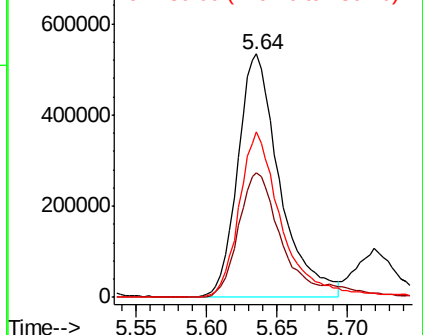
130 69.5 33.8 101.4



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: 10.588 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037042.D

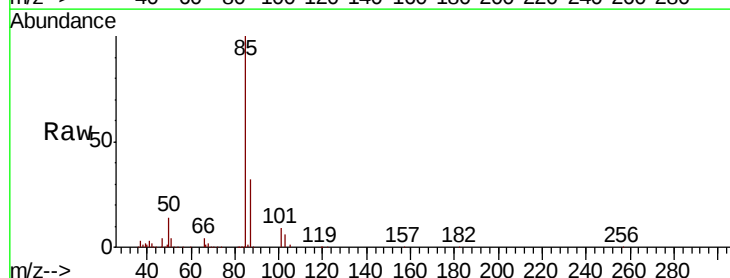
Acq: 21 May 2021 2:44

Tgt Ion: 85 Resp: 1988264

Ion Ratio Lower Upper

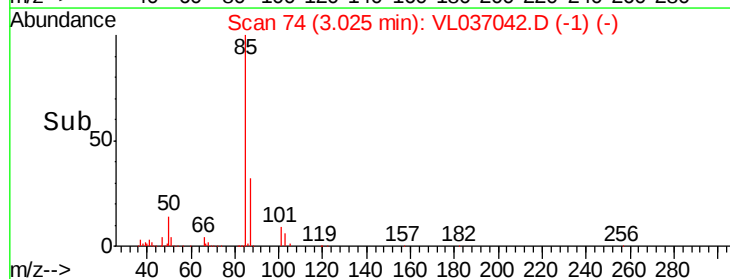
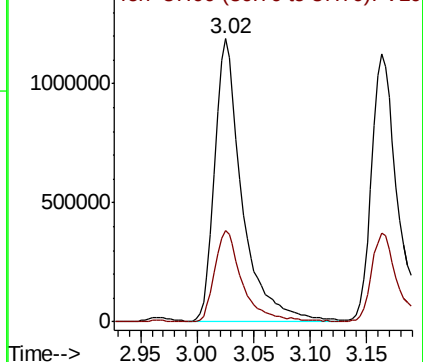
85 100

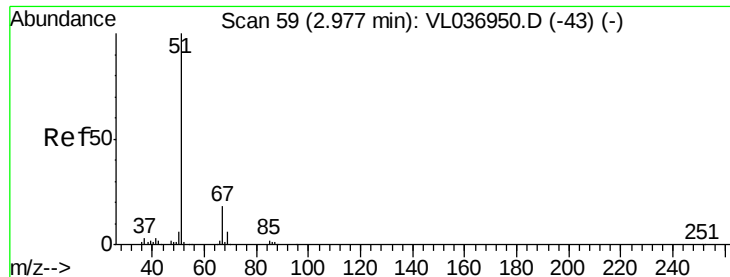
87 32.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.948 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

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ClientSampleId :

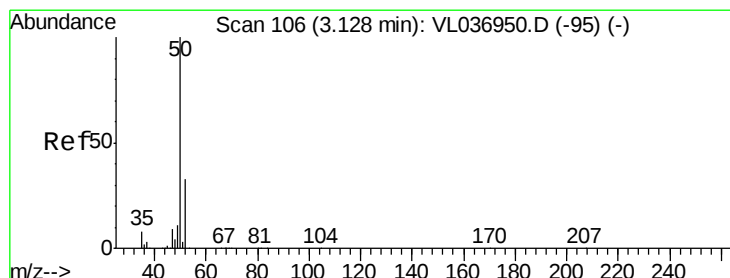
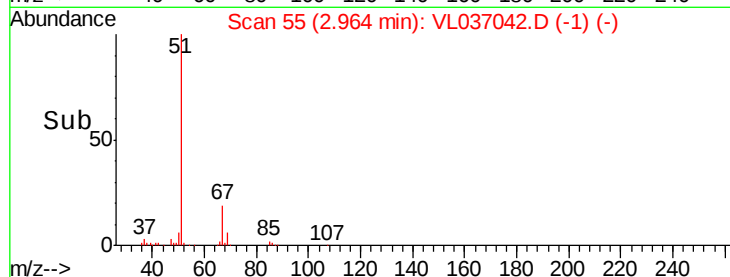
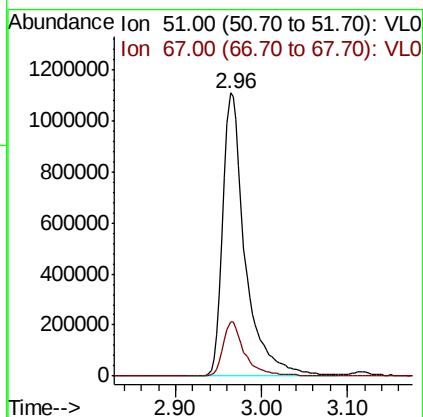
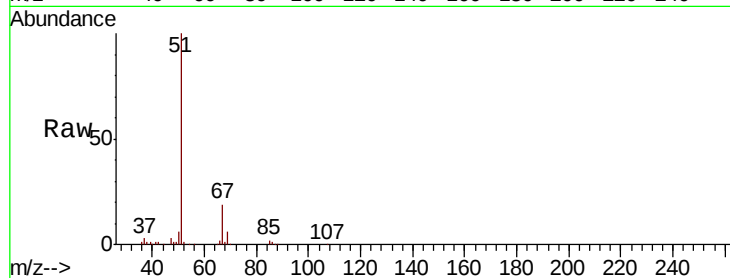
VSTDCCC010EC

Tot Ion: 51 Resp: 2017492

Ion Ratio Lower Upper

51 100

67 18.7 14.6 21.8



#4

Chloromethane

Concen: 9.845 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037042.D

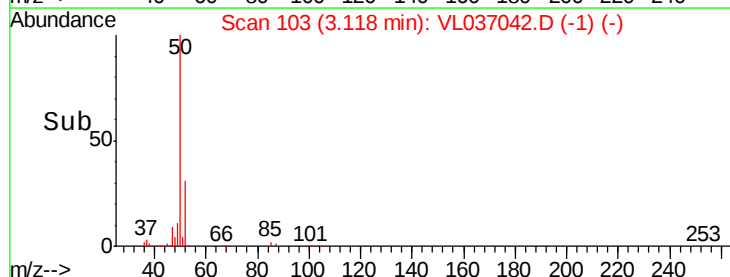
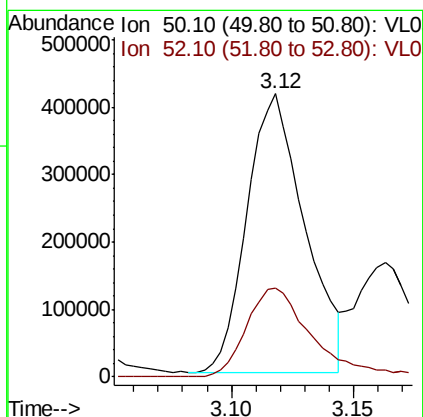
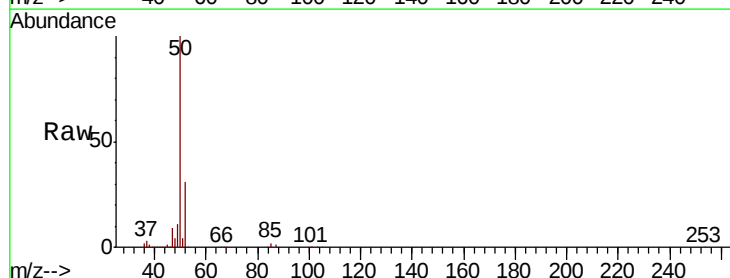
Acq: 21 May 2021 2:44

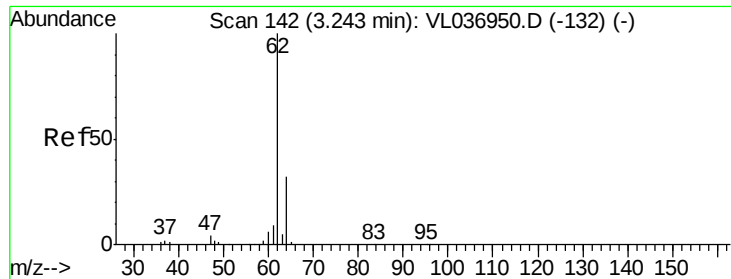
Tgt Ion: 50 Resp: 679386

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1





#5

Vinyl Chloride

Concen: 9.952 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

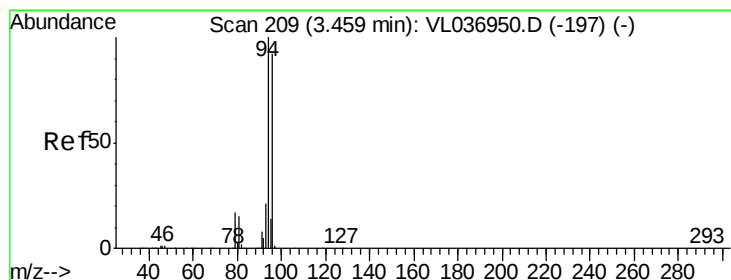
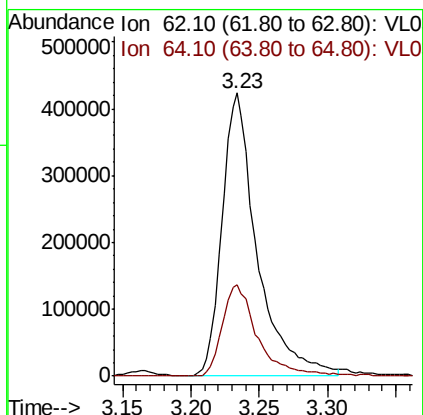
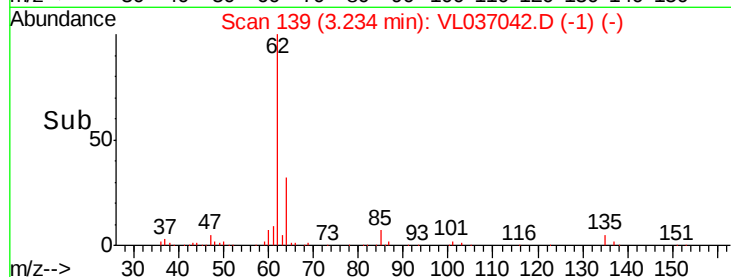
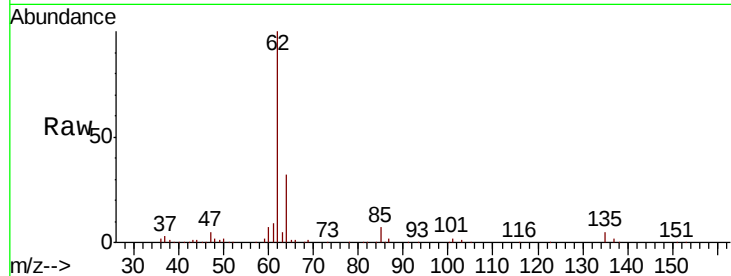
VSTDCCC010EC

Tot Ion: 62 Resp: 750676

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9



#6

Bromomethane

Concen: 11.282 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL037042.D

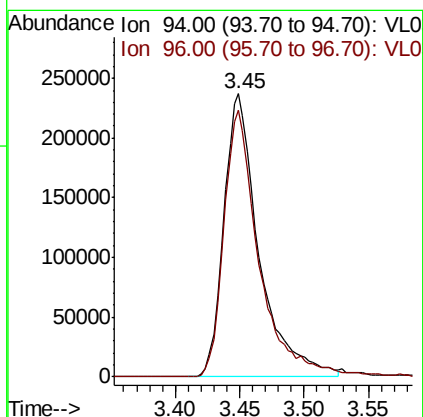
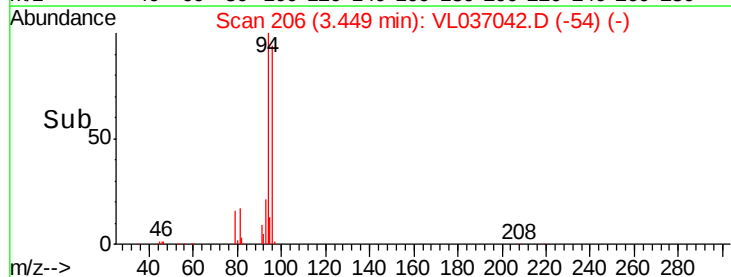
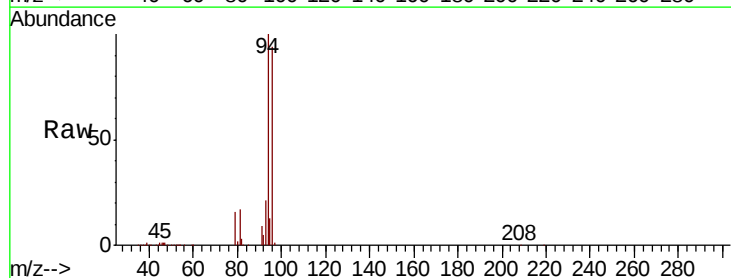
Acq: 21 May 2021 2:44

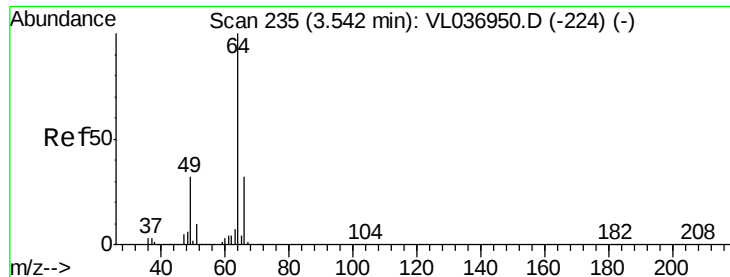
Tgt Ion: 94 Resp: 448437

Ion Ratio Lower Upper

94 100

96 94.2 74.0 111.0





#7

Chloroethane

Concen: 11.031 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

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ClientSampleId :

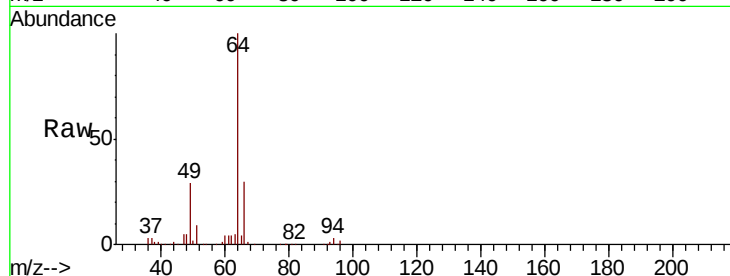
VSTDCCC010EC

Tot Ion: 64 Resp: 270170

Ion Ratio Lower Upper

64 100

66 29.9 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

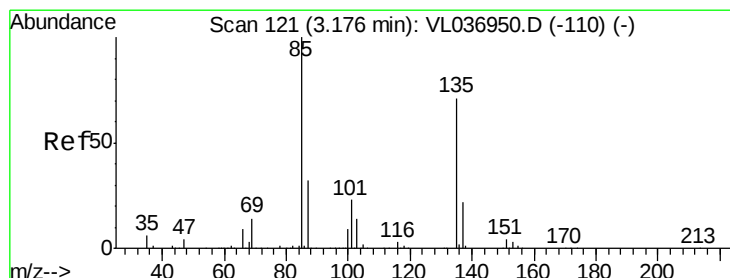
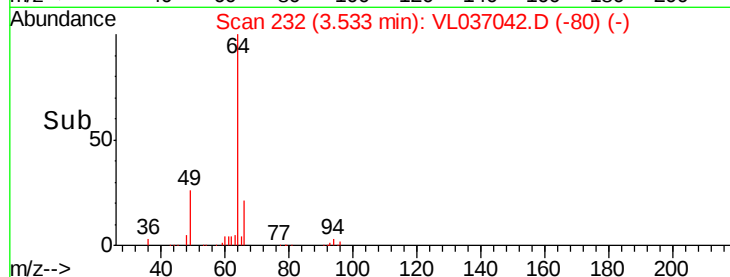
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.440 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037042.D

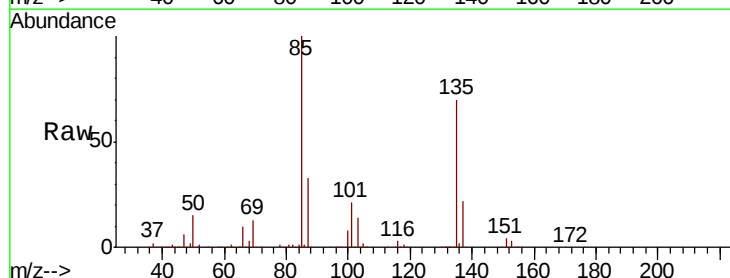
Acq: 21 May 2021 2:44

Tgt Ion: 85 Resp: 1840764

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1200000

1000000

800000

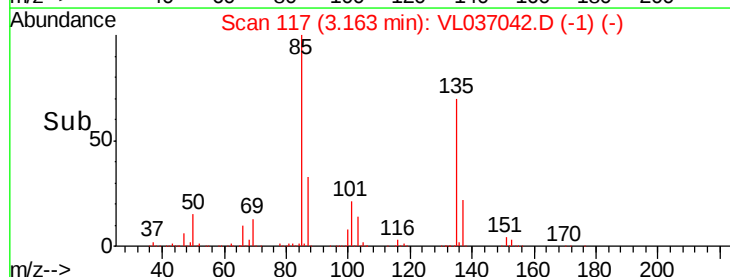
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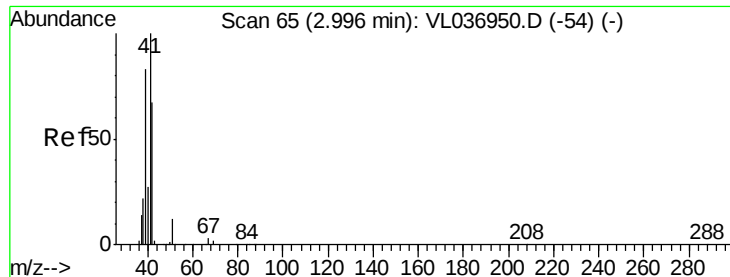
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200000

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Time-->





#9

Propene

Concen: 9.493 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037042.D

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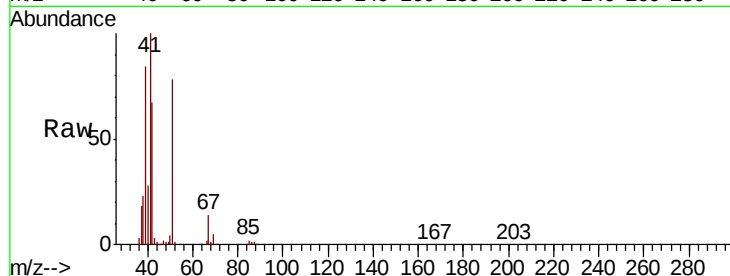
VSTDCCC010EC

Tot Ion: 41 Resp: 689388

Ion Ratio Lower Upper

41 100

42 67.8 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

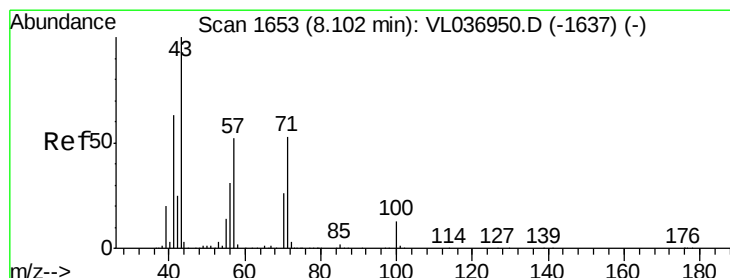
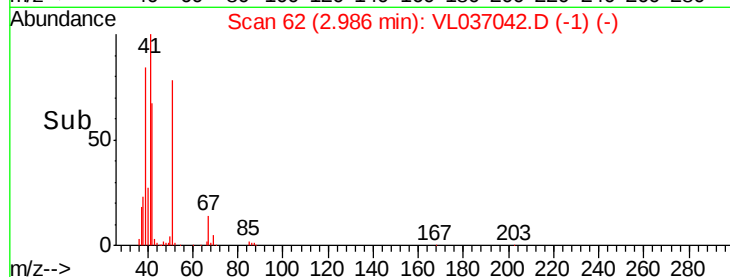
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.543 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.02 min

Lab File: VL037042.D

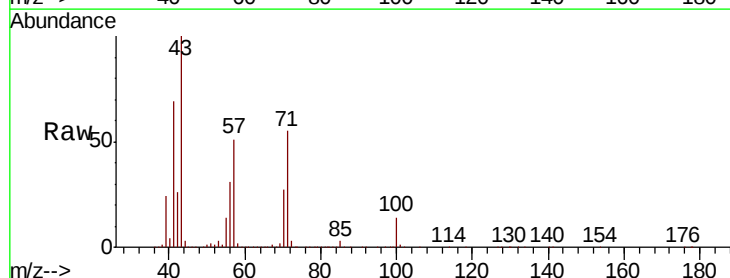
Acq: 21 May 2021 2:44

Tgt Ion: 43 Resp: 1727106

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.09

800000

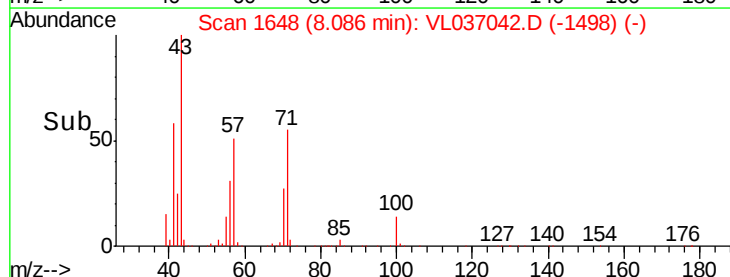
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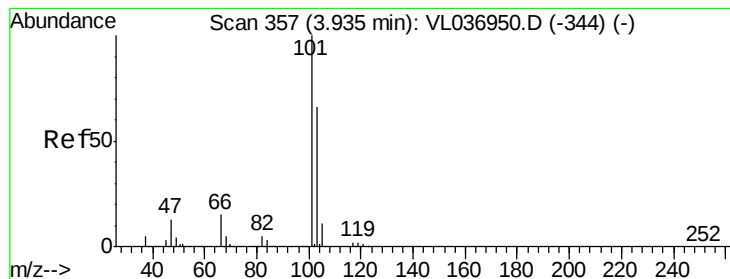
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 10.784 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

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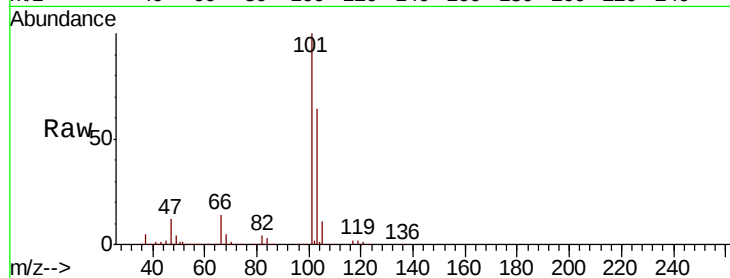
VSTDCCC010EC

Tot Ion:101 Resp: 1874453

Ion Ratio Lower Upper

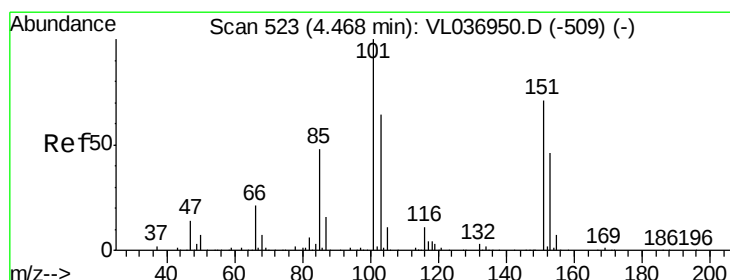
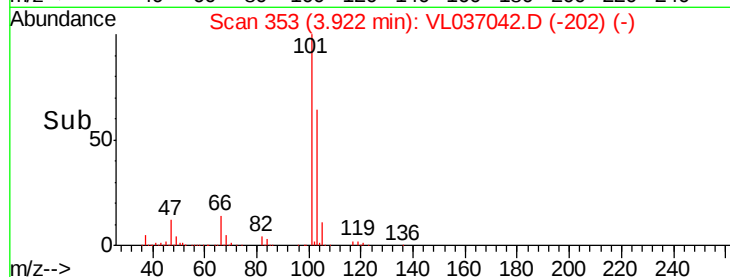
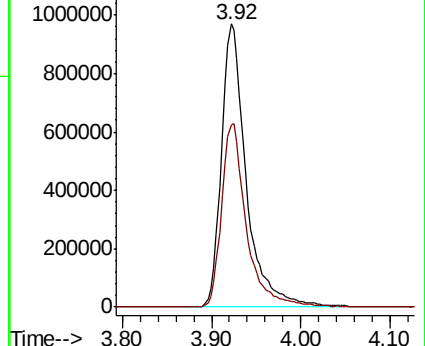
101 100

103 64.4 52.6 79.0



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: 10.657 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL037042.D

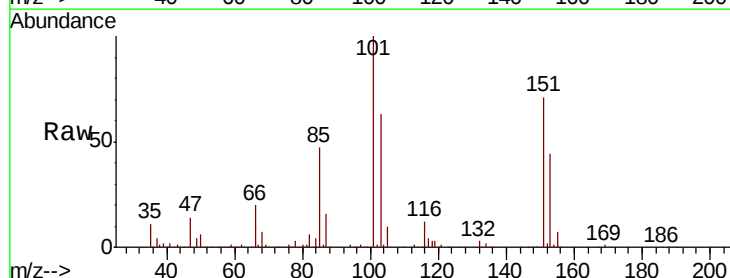
Acq: 21 May 2021 2:44

Tgt Ion:101 Resp: 1319516

Ion Ratio Lower Upper

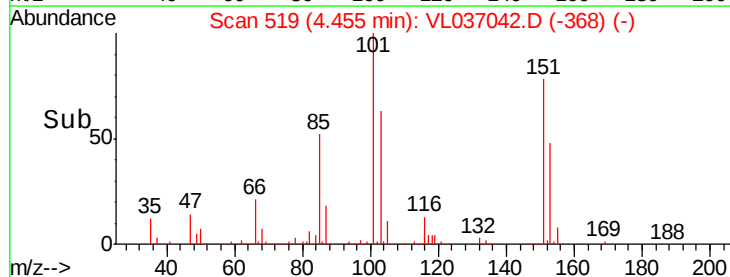
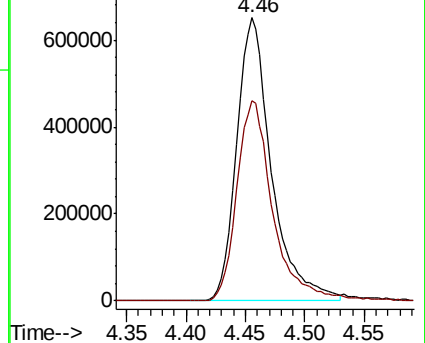
101 100

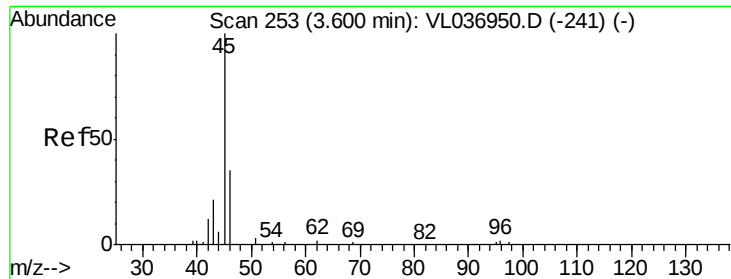
151 73.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 3.401 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

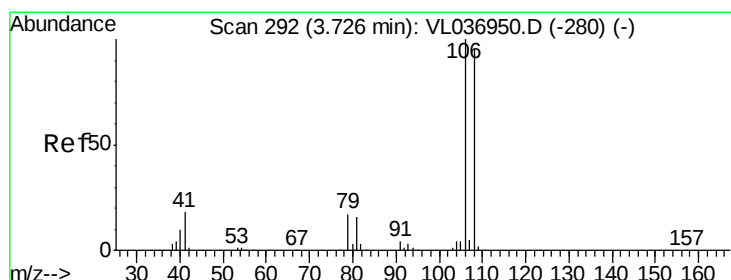
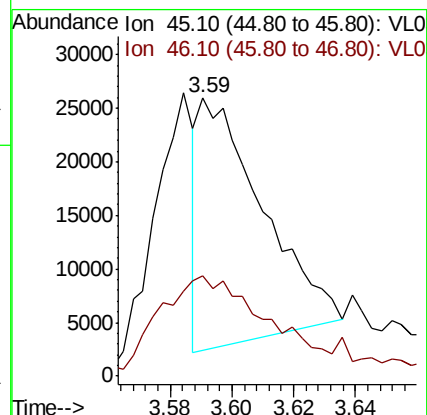
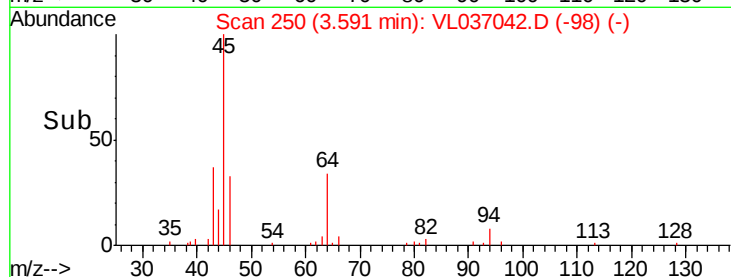
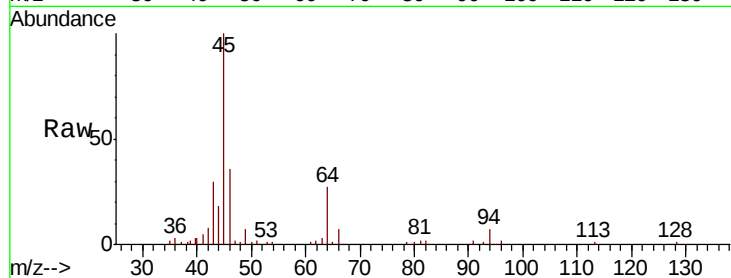
VSTDCCC010EC

Tot Ion: 45 Resp: 32948

Ion Ratio Lower Upper

45 100

46 89.4 16.3 65.3#



#14

Bromoethene

Concen: 10.316 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

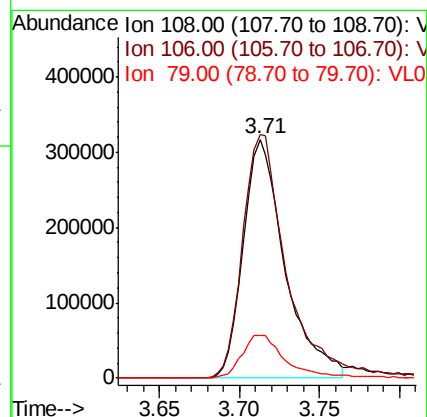
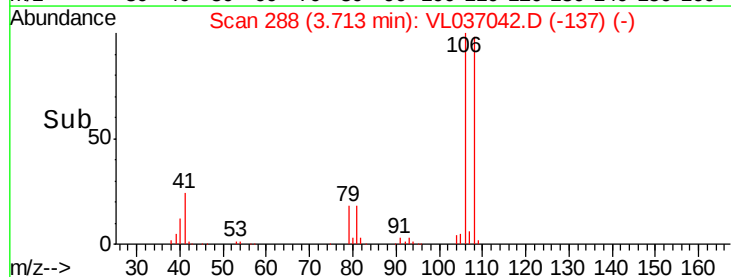
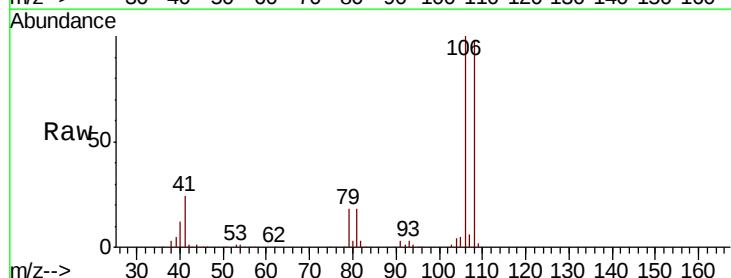
Tgt Ion: 108 Resp: 562570

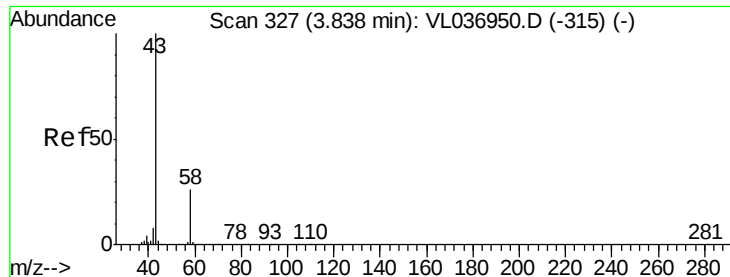
Ion Ratio Lower Upper

108 100

106 110.3 86.5 129.7

79 19.7 15.0 22.4





#15

Acetone

Concen: 8.675 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

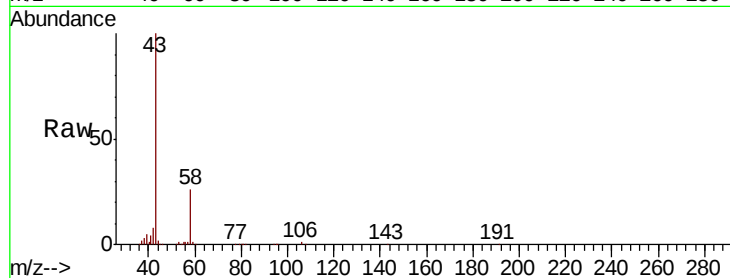
VSTDCCC010EC

Tot Ion: 43 Resp: 983616

Ion Ratio Lower Upper

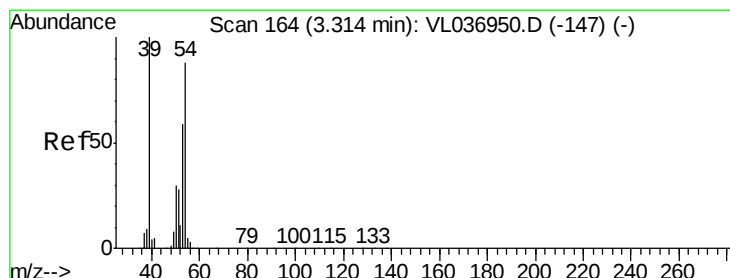
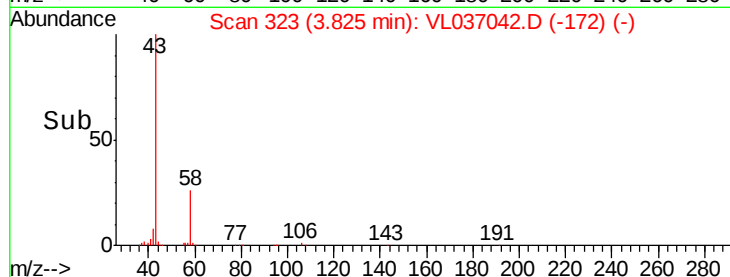
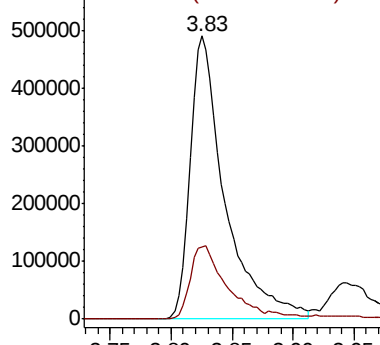
43 100

58 30.2 24.0 36.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.366 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.01 min

Lab File: VL037042.D

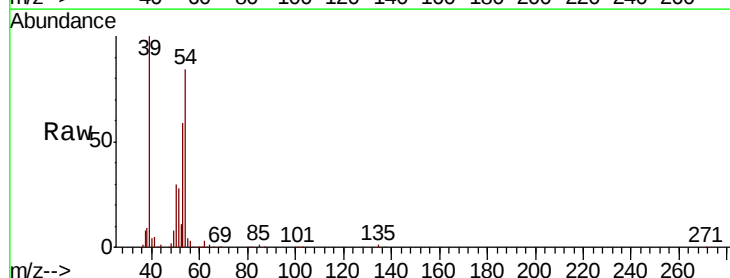
Acq: 21 May 2021 2:44

Tgt Ion: 39 Resp: 730247

Ion Ratio Lower Upper

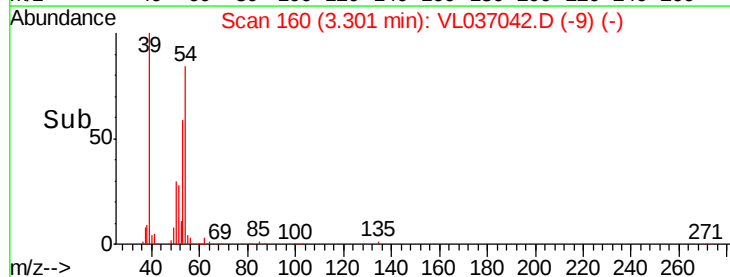
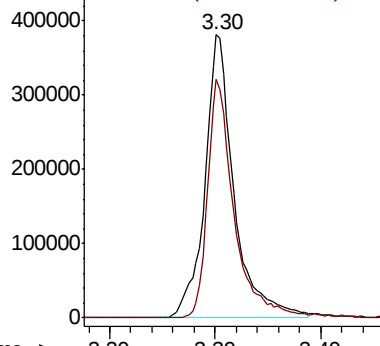
39 100

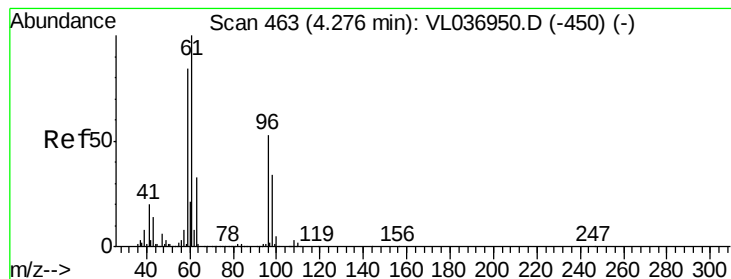
54 77.5 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.369 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

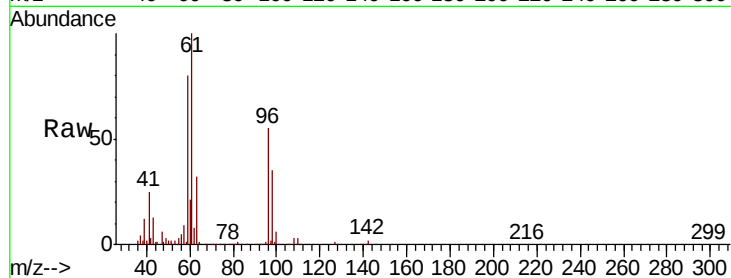
VSTDCCC010EC

Tot Ion: 59 Resp: 973087

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

400000

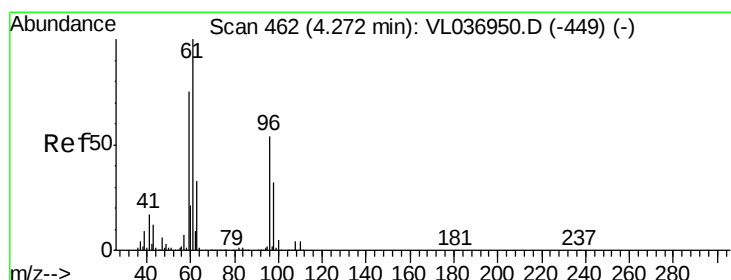
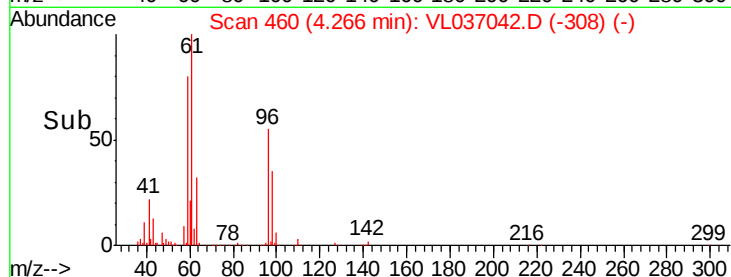
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.531 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

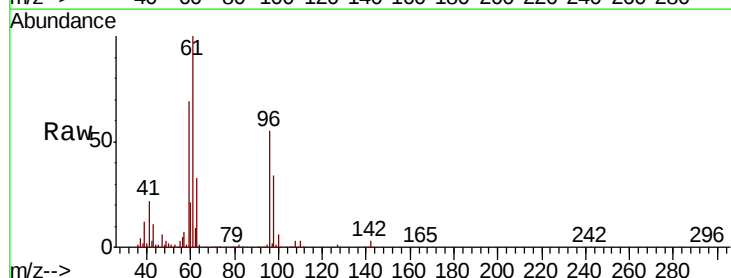
Tgt Ion: 96 Resp: 602925

Ion Ratio Lower Upper

96 100

61 183.5 148.2 222.4

98 62.3 47.8 71.6



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

800000

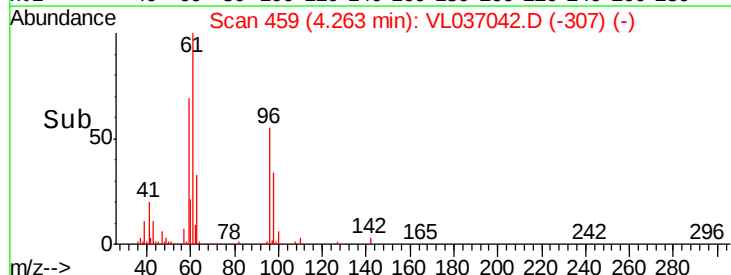
600000

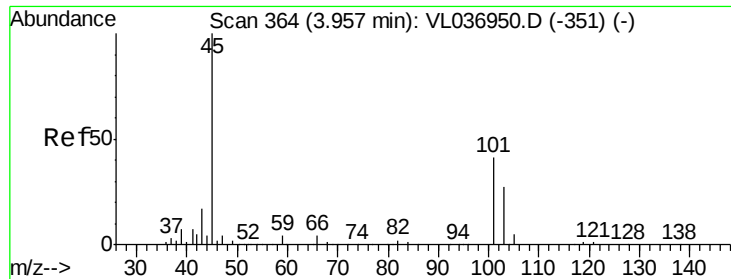
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.819 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

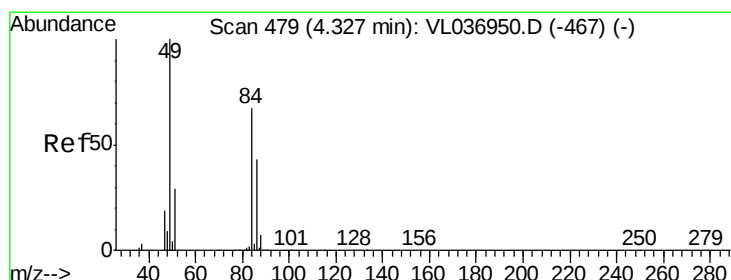
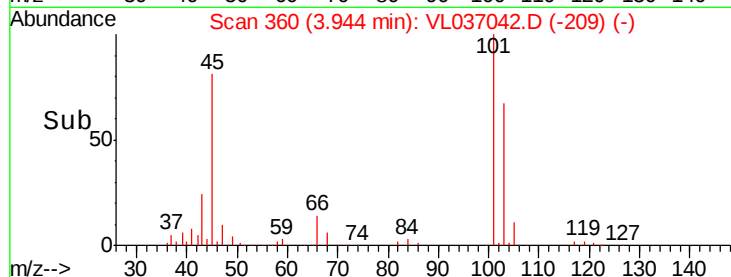
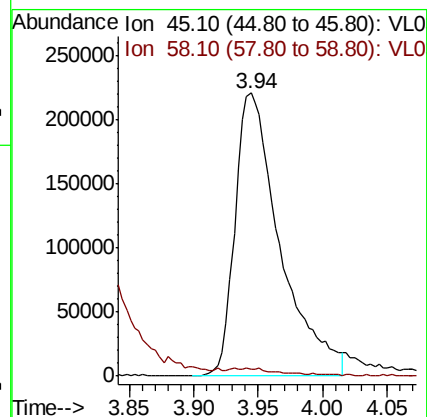
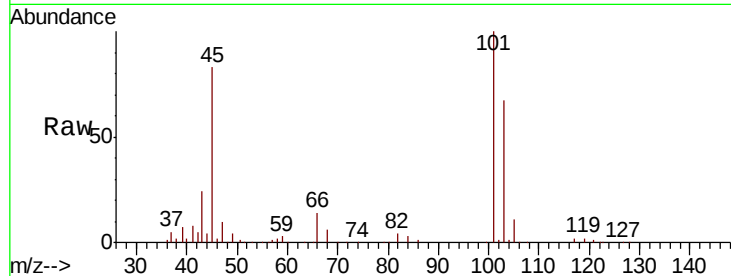
VSTDCCC010EC

Tot Ion: 45 Resp: 537531

Ion Ratio Lower Upper

45 100

58 3.3 37.2 55.8#



#20

Methylene Chloride

Concen: 8.791 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion: 84 Resp: 534309

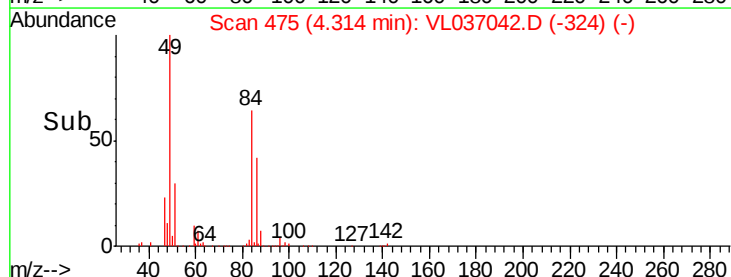
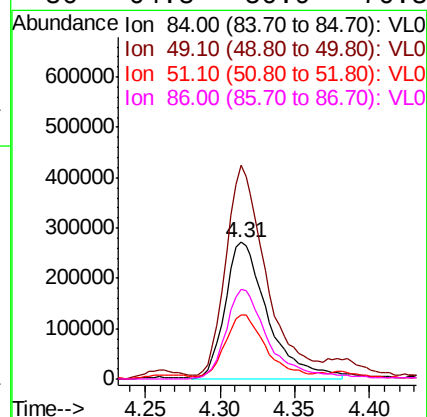
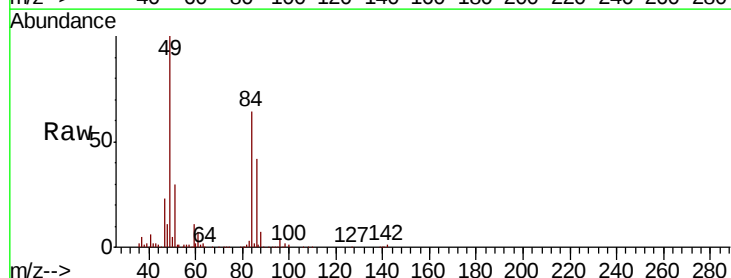
Ion Ratio Lower Upper

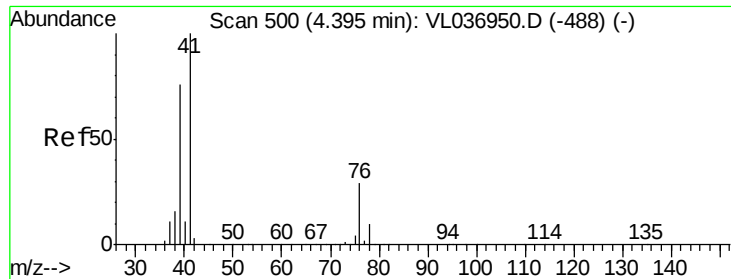
84 100

49 154.5 119.8 179.6

51 45.0 35.1 52.7

86 64.8 50.9 76.3





#21

Allvl Chloride

Concen: 10.487 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

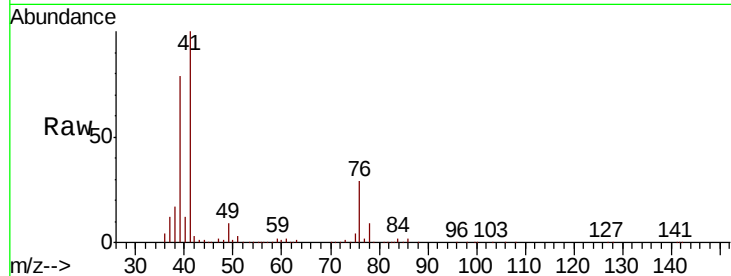
Tot Ion: 41 Resp: 897038

Ion Ratio Lower Upper

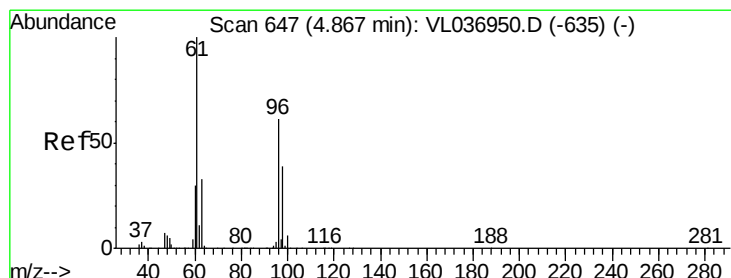
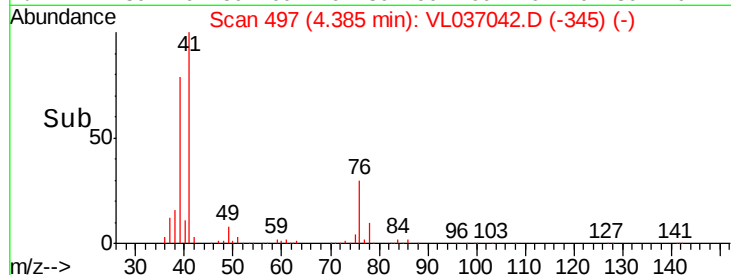
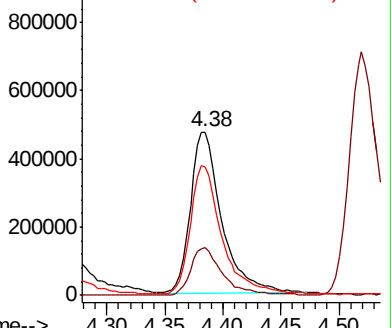
41 100

76 30.2 24.9 37.3

39 80.4 63.7 95.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.943 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

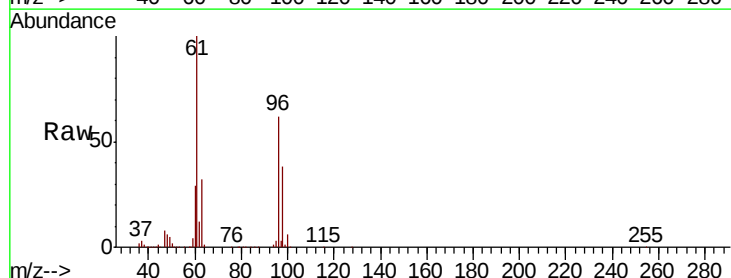
Tgt Ion: 96 Resp: 600430

Ion Ratio Lower Upper

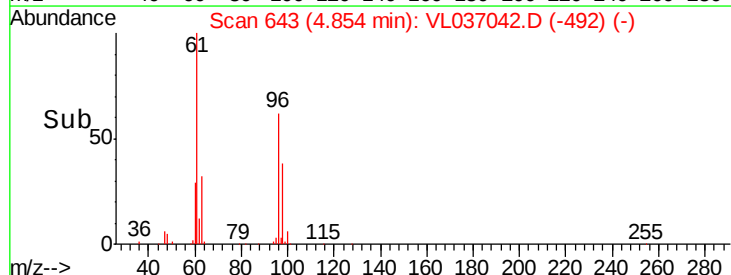
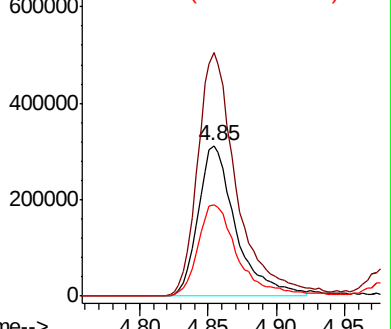
96 100

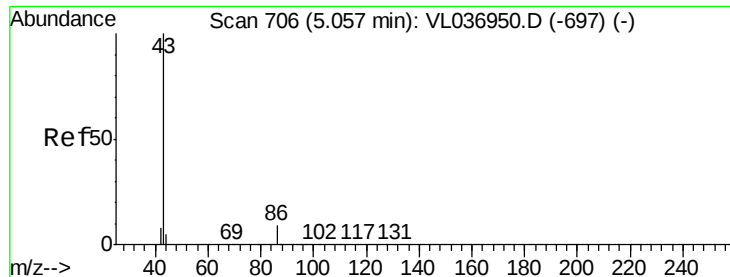
61 161.8 130.6 196.0

98 60.8 50.8 76.2



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



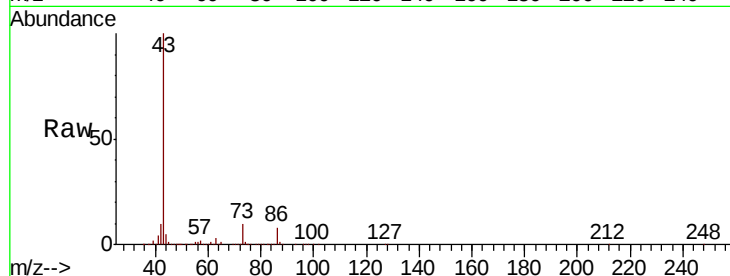


#23
 Vinyl Acetate
 Concen: 10.505 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

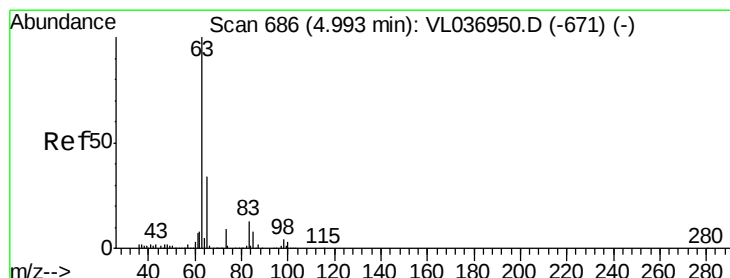
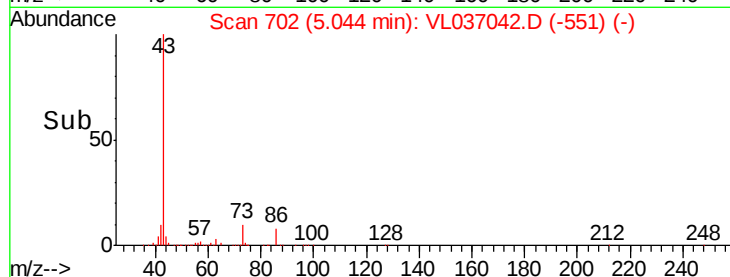
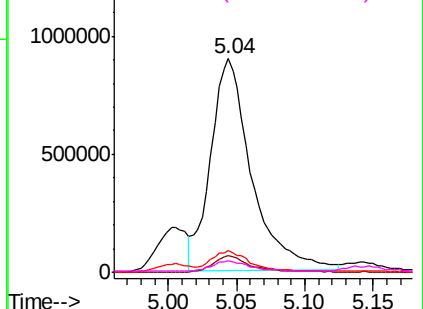
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 43 Resp: 1890582

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	9.8	7.4	11.2
44	4.7	3.3	4.9



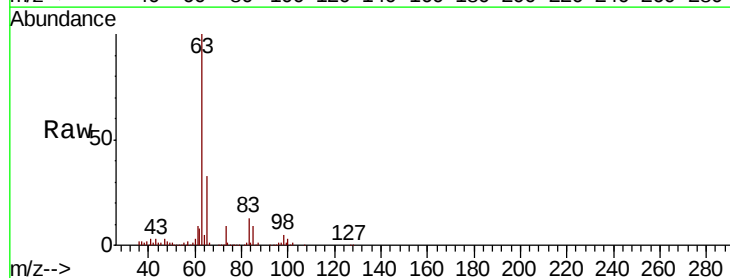
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



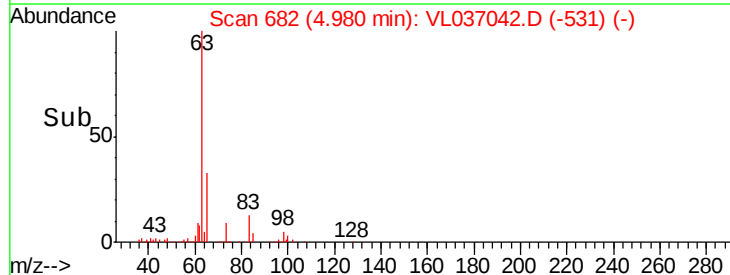
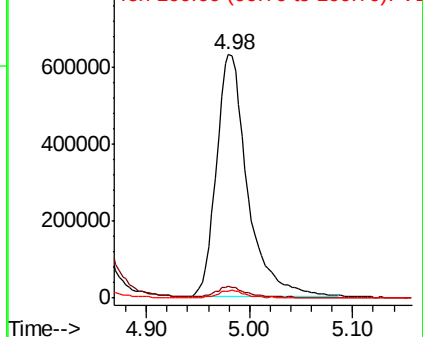
#24
 1,1-Dichloroethane
 Concen: 10.231 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

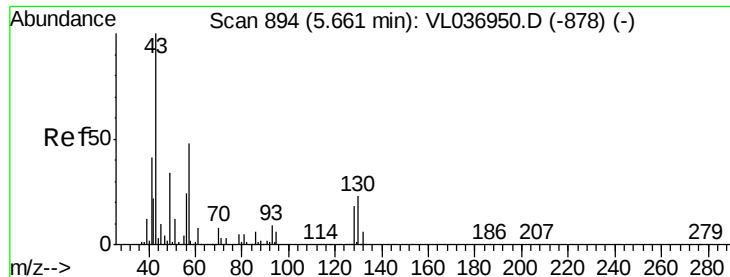
Tgt Ion: 63 Resp: 1325348

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
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



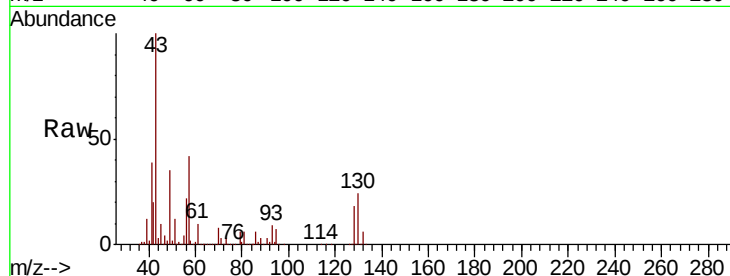


#25
Ethyl Acetate
Concen: 9.631 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2623904

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	10.0	7.8	11.8
70	7.0	5.6	8.4



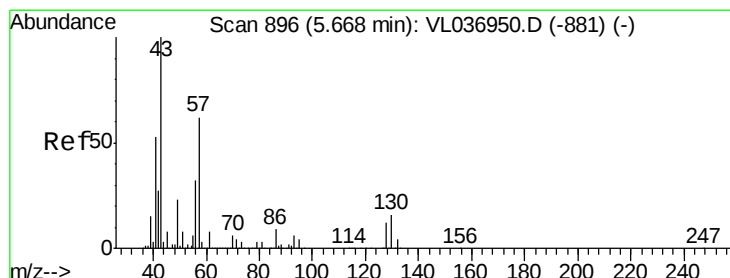
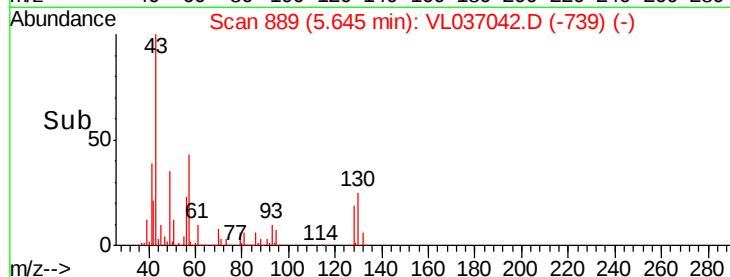
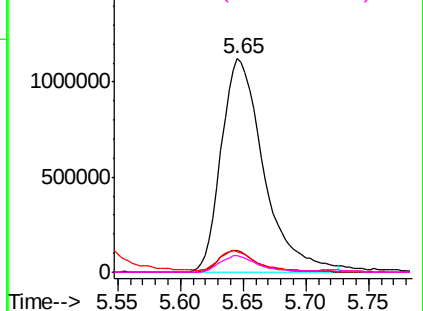
Abundance

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

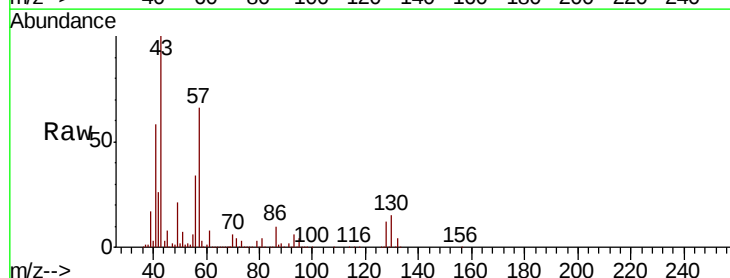
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.382 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 57 Resp: 1305881

Ion	Ratio	Lower	Upper
57	100		
41	90.2	70.5	105.7
43	206.8	165.8	248.8
56	52.2	42.2	63.4



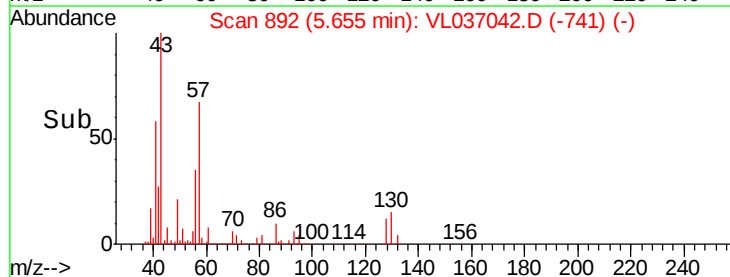
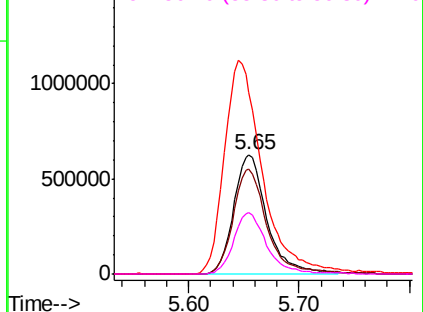
Abundance

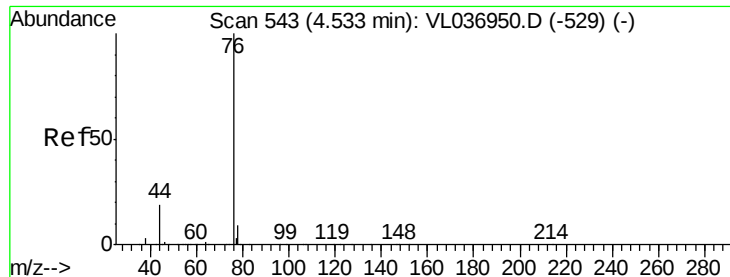
Ion 57.10 (56.80 to 57.80): VL0

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: 9.794 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

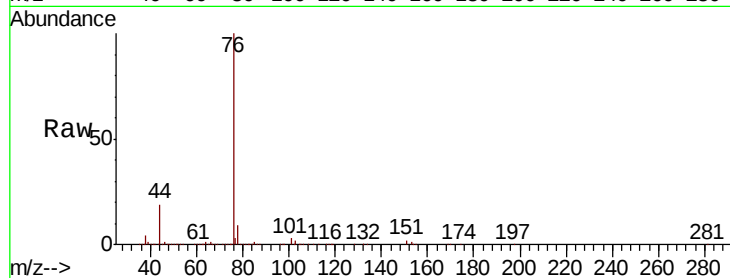
Tot Ion: 76 Resp: 1373904

Ion Ratio Lower Upper

76 100

44 19.4 15.5 23.3

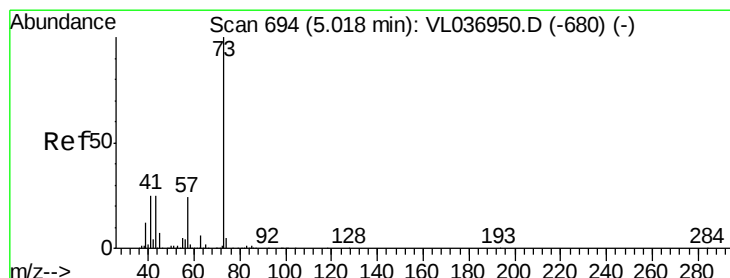
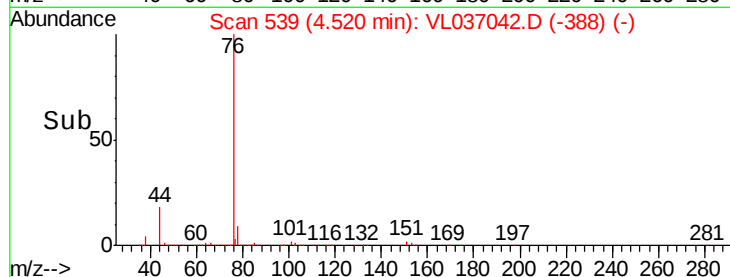
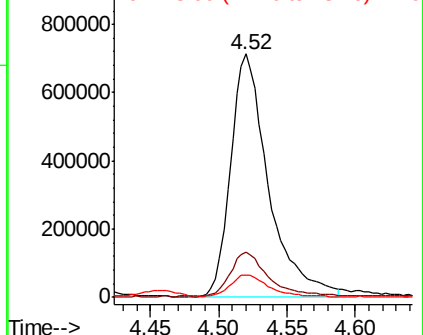
78 10.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.675 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037042.D

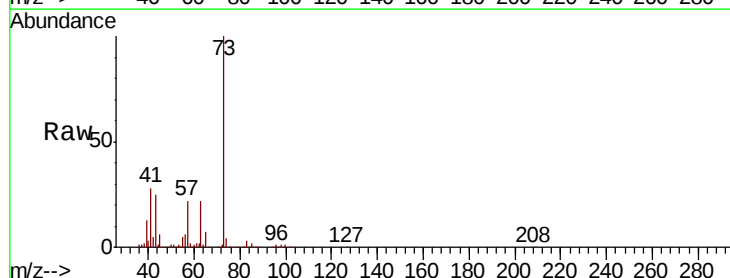
Acq: 21 May 2021 2:44

Tgt Ion: 73 Resp: 1614124

Ion Ratio Lower Upper

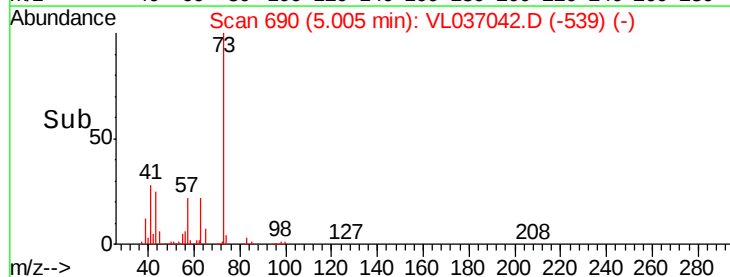
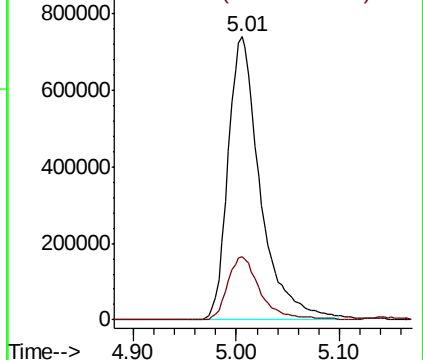
73 100

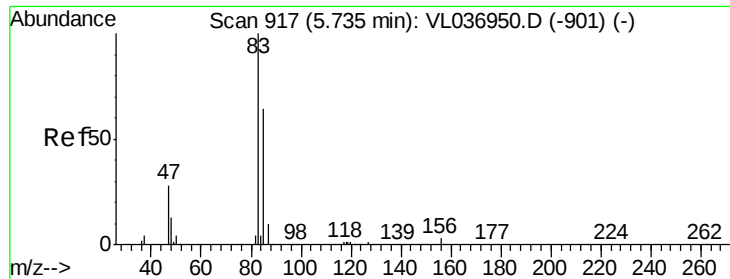
57 22.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.149 ppbv

RT: 5.72 min Scan# 912

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

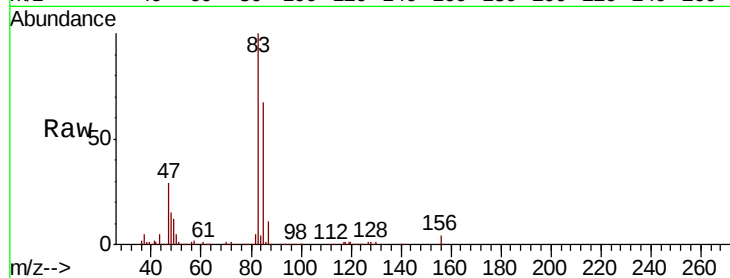
VSTDCCC010EC

Tot Ion: 83 Resp: 1995801

Ion Ratio Lower Upper

83 100

85 67.0 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.72

1000000

800000

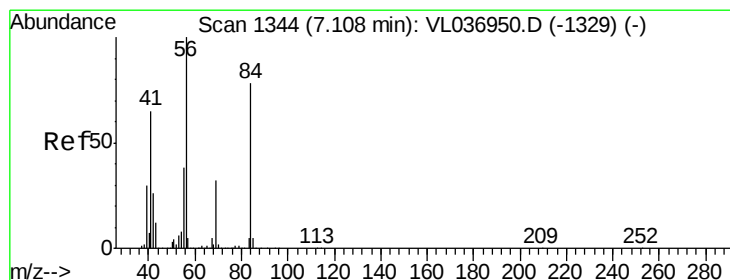
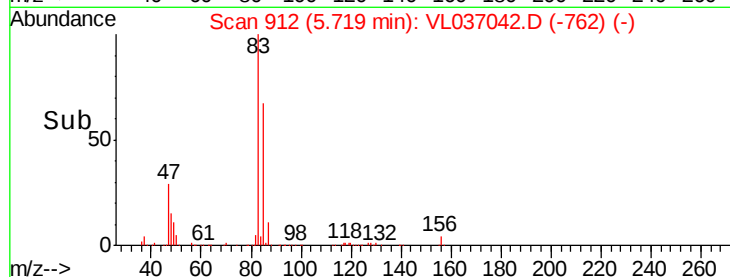
600000

400000

200000

0

Time--> 5.60 5.70 5.80



#30

Cyclohexane

Concen: 9.543 ppbv

RT: 7.10 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

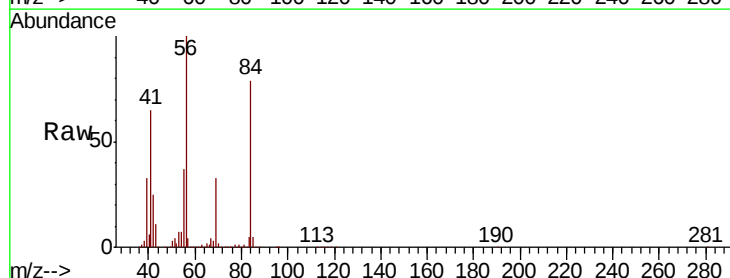
Tgt Ion: 84 Resp: 1128742

Ion Ratio Lower Upper

84 100

56 135.6 107.9 161.9

41 84.6 65.5 98.3



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

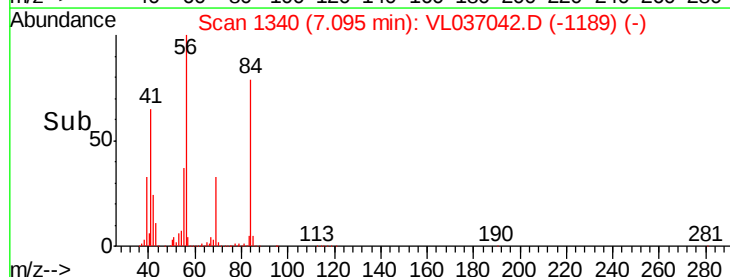
600000

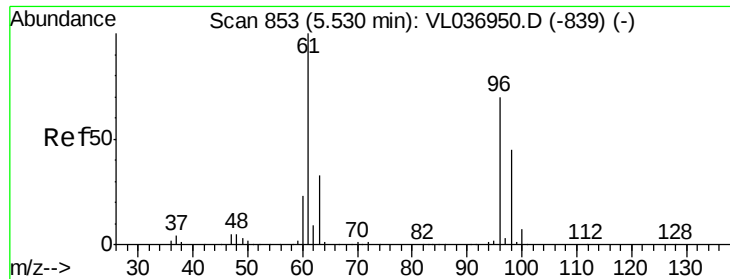
400000

200000

0

Time--> 7.00 7.05 7.10 7.15 7.20



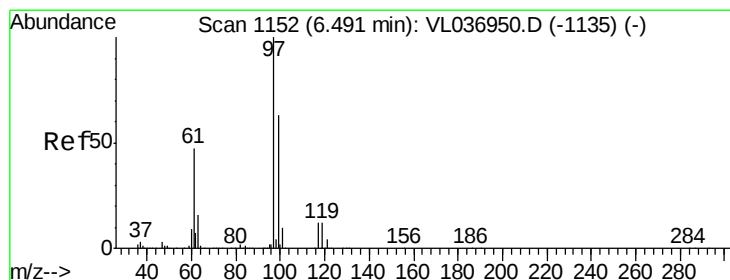
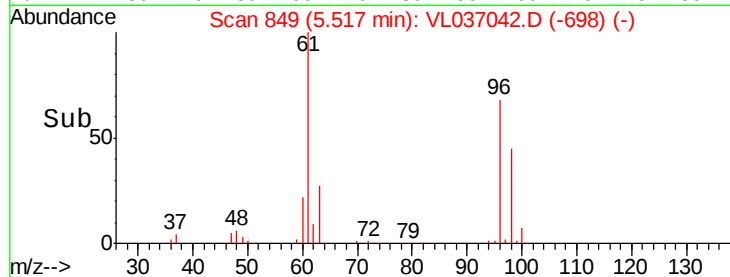
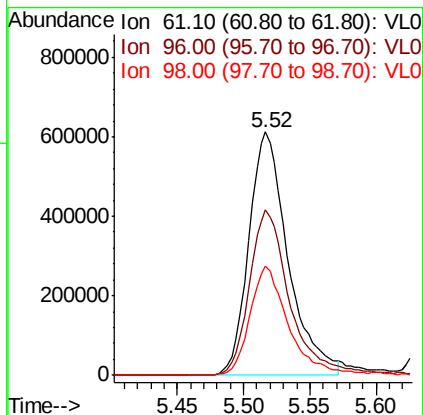
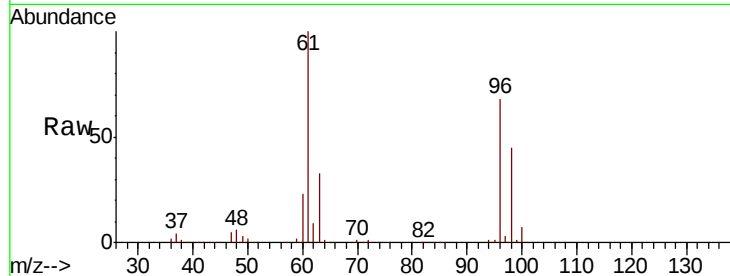


#31

cis-1,2-Dichloroethene
 Concen: 10.056 ppbv
 RT: 5.52 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

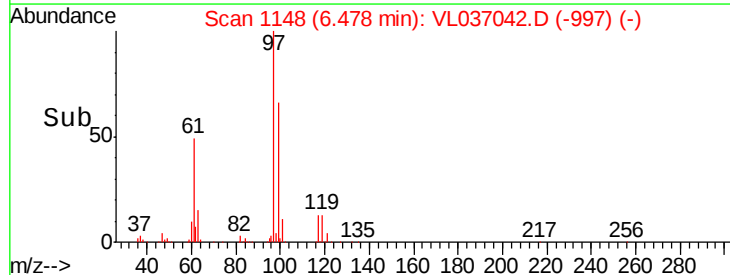
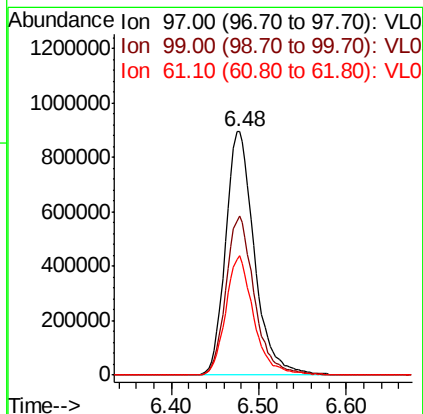
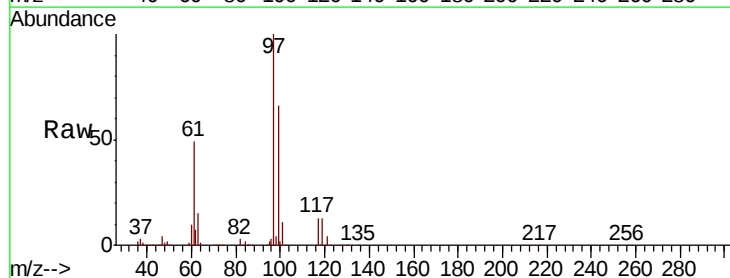
Tot Ion: 61 Resp: 1254883
 Ion Ratio Lower Upper
 61 100
 96 67.6 55.9 83.9
 98 45.0 35.6 53.4

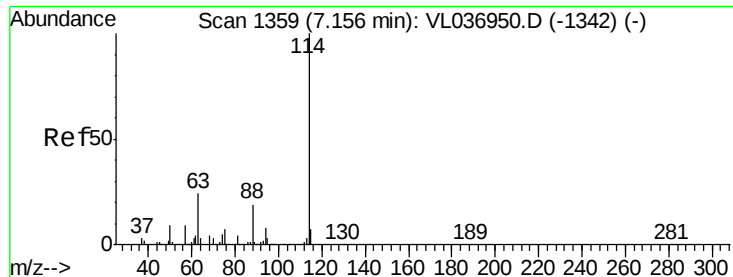


#32

1,1,1-Trichloroethane
 Concen: 9.691 ppbv
 RT: 6.48 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 97 Resp: 2046394
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.9 77.9
 61 48.1 37.6 56.4

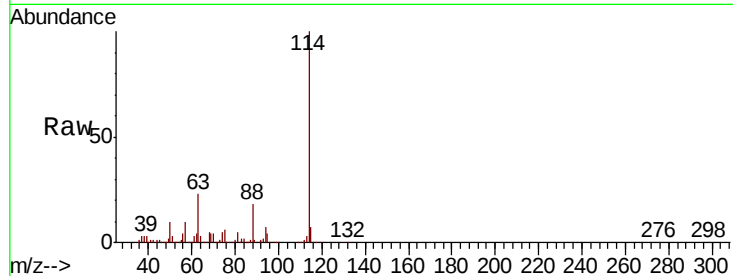




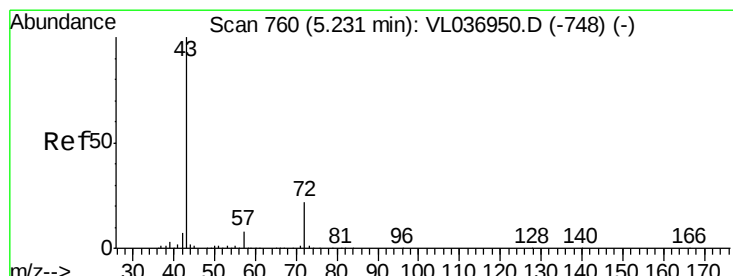
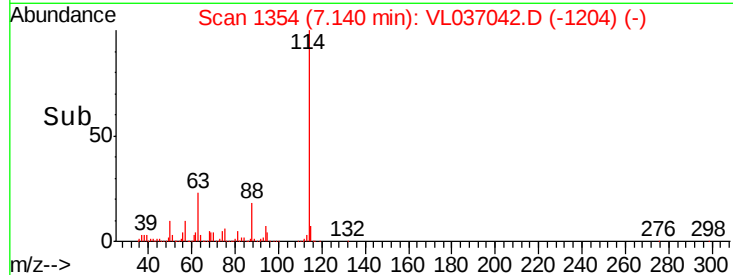
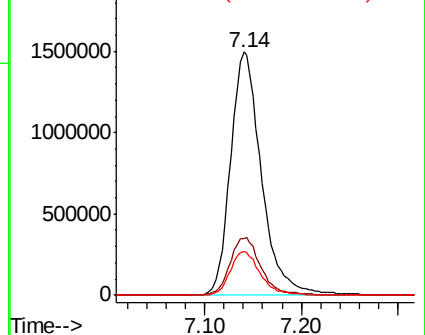
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3317279
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.7 14.6 21.8

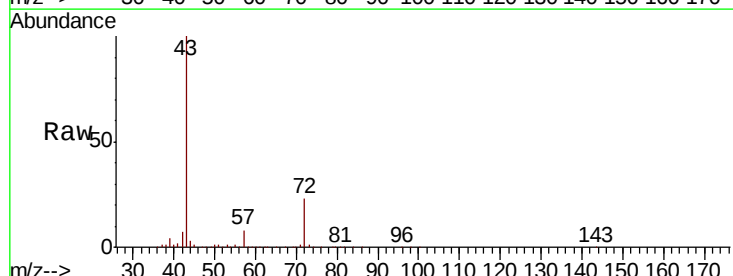


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

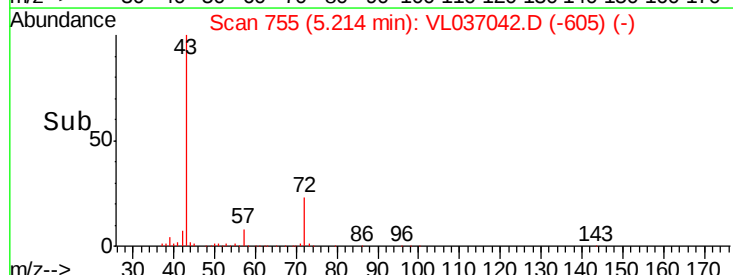
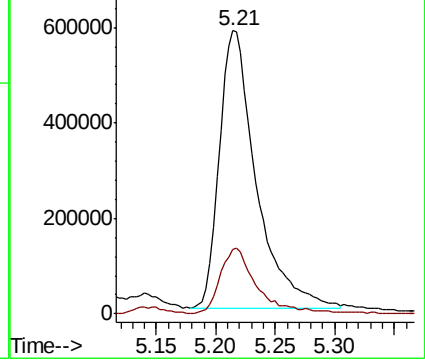


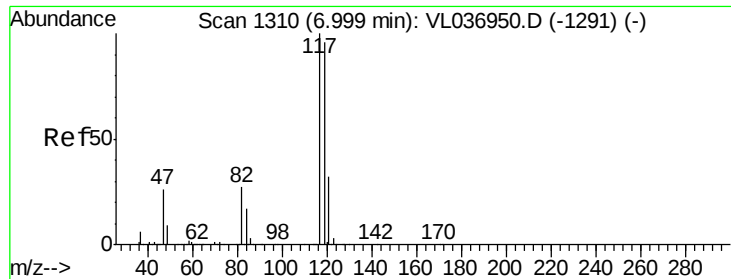
#34
 2-Butanone
 Concen: 10.373 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 43 Resp: 1252931
 Ion Ratio Lower Upper
 43 100
 72 23.3 19.0 28.4



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

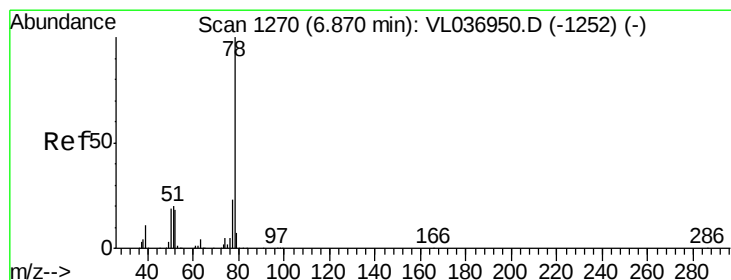
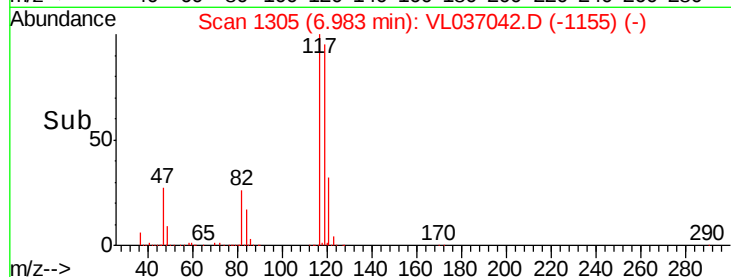
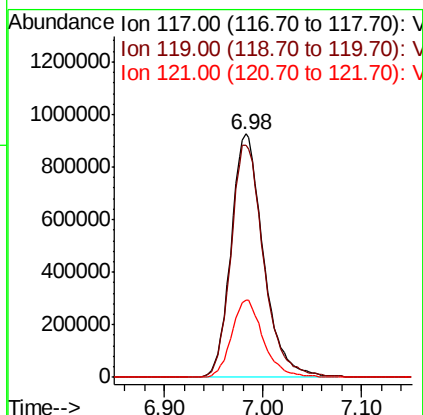
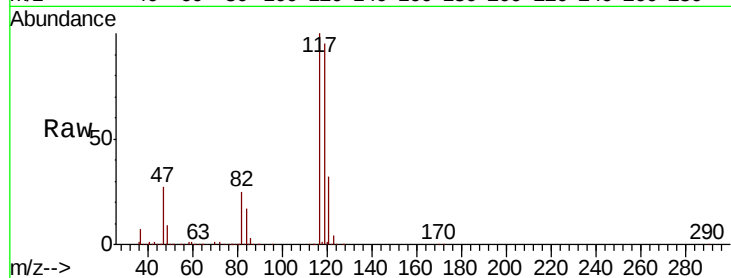




#35
 Carbon Tetrachloride
 Concen: 9.576 ppbv
 RT: 6.98 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

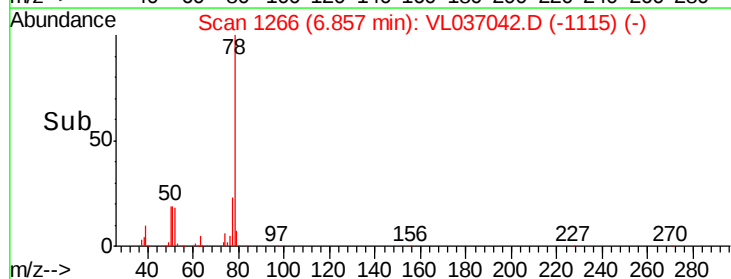
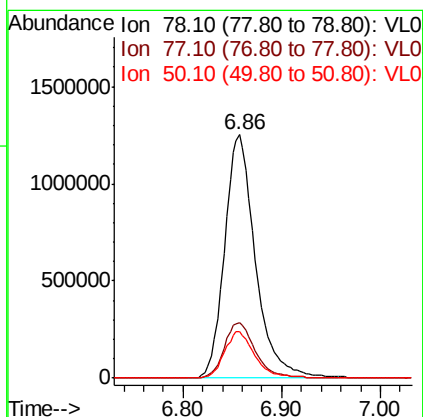
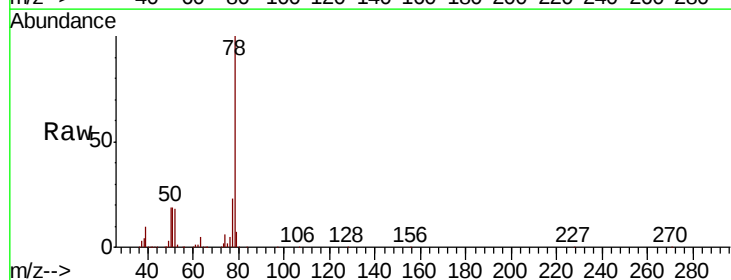
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

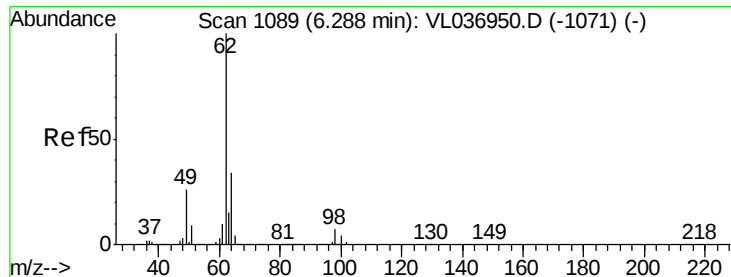
Tot Ion:117 Resp: 2110743
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.6 114.8
 121 31.8 25.8 38.6



#36
 Benzene
 Concen: 9.548 ppbv
 RT: 6.86 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 78 Resp: 2728280
 Ion Ratio Lower Upper
 78 100
 77 22.8 18.6 28.0
 50 19.1 15.0 22.4





#37

1,2-Dichloroethane

Concen: 10.586 ppbv

RT: 6.27 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

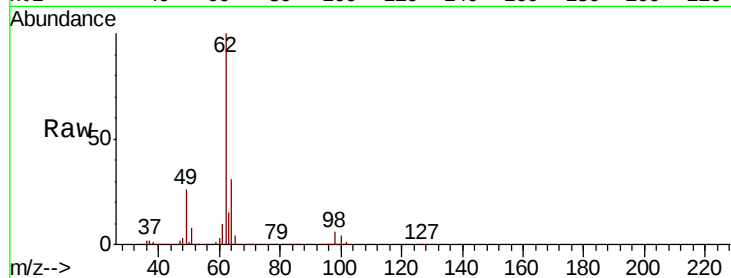
VSTDCCC010EC

Tot Ion: 62 Resp: 1499709

Ion Ratio Lower Upper

62 100

98 6.5 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.27

800000

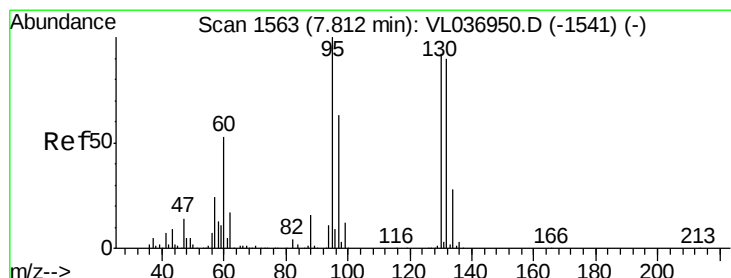
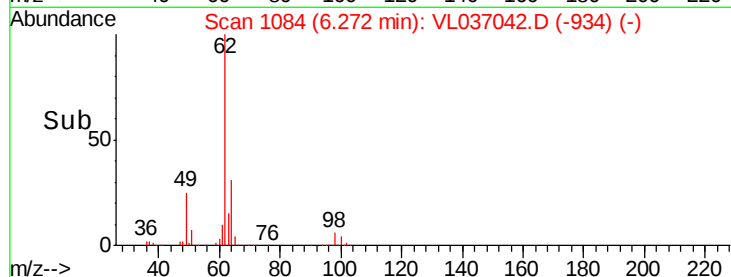
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.168 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion:130 Resp: 1120631

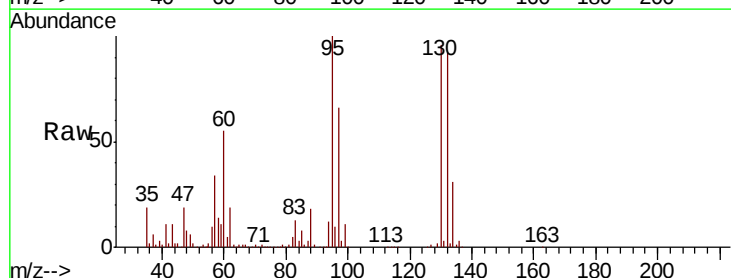
Ion Ratio Lower Upper

130 100

95 103.9 86.9 130.3

132 95.3 78.4 117.6

97 68.2 55.0 82.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

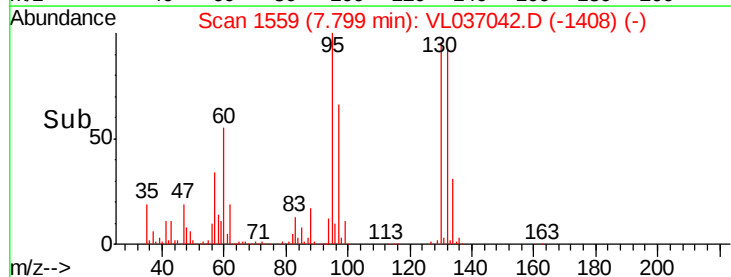
600000

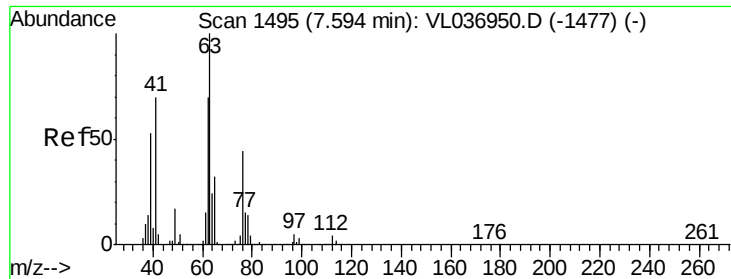
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.426 ppbv

RT: 7.58 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

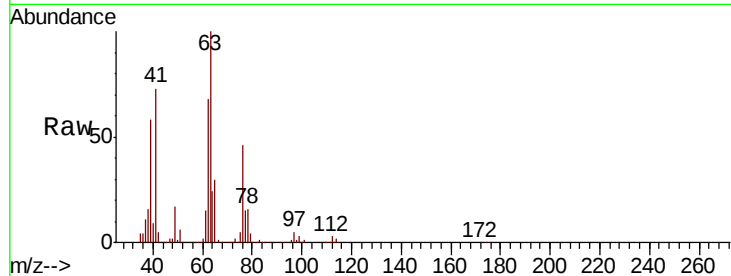
Tot Ion: 63 Resp: 1037573

Ion Ratio Lower Upper

63 100

41 72.6 55.7 83.5

62 67.9 56.2 84.4

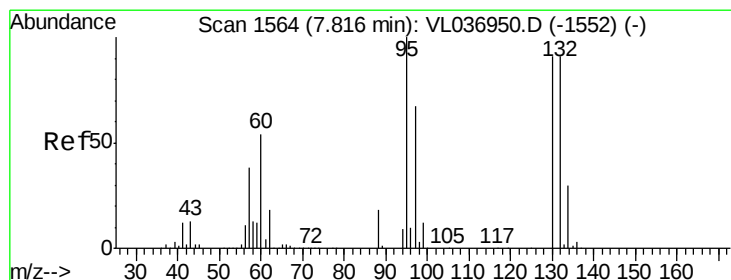
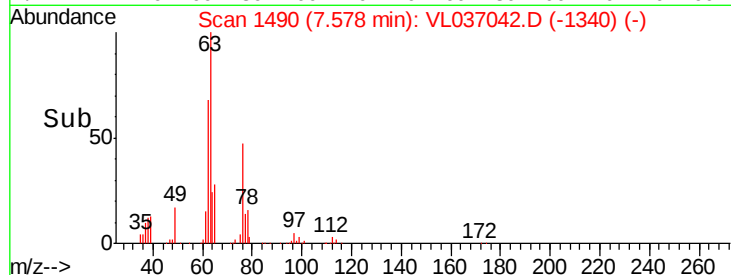
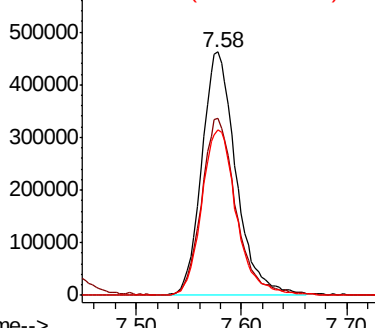


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.293 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion: 88 Resp: 241524

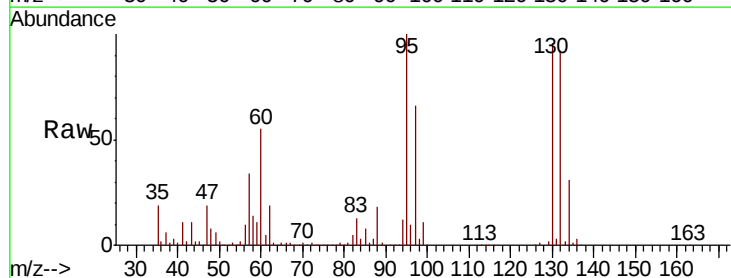
Ion Ratio Lower Upper

88 100

58 156.1 0.0 0.0#

43 408.3 0.0 0.0#

57 1852.8 0.0 0.0#



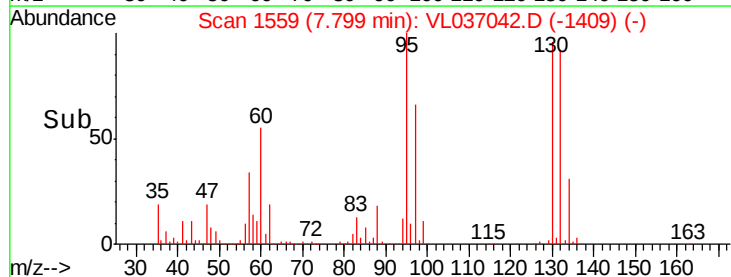
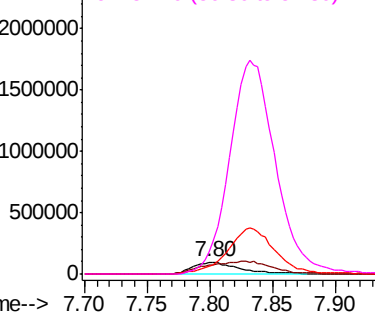
Abundance

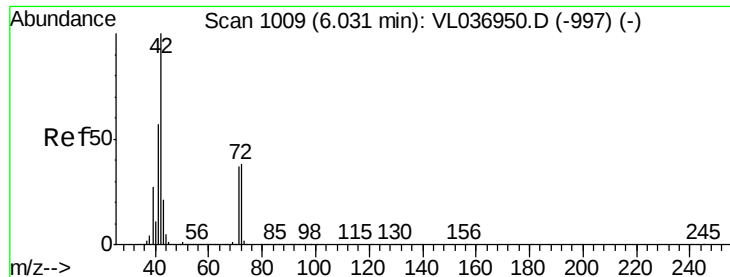
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.320 ppbv

RT: 6.01 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

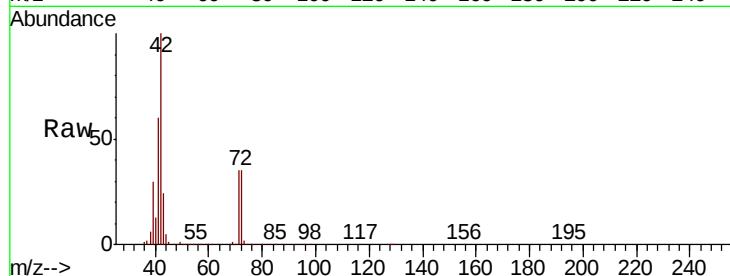
Tot Ion: 42 Resp: 641142

Ion Ratio Lower Upper

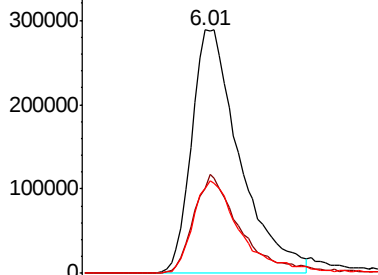
42 100

72 40.3 31.4 47.2

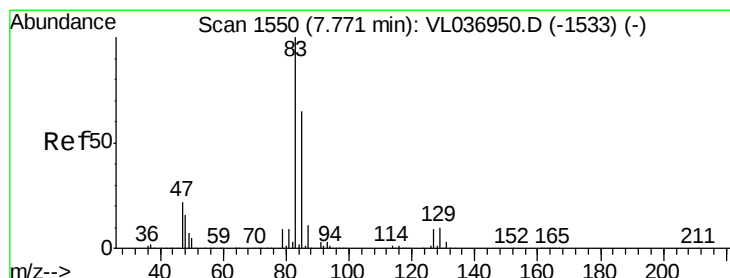
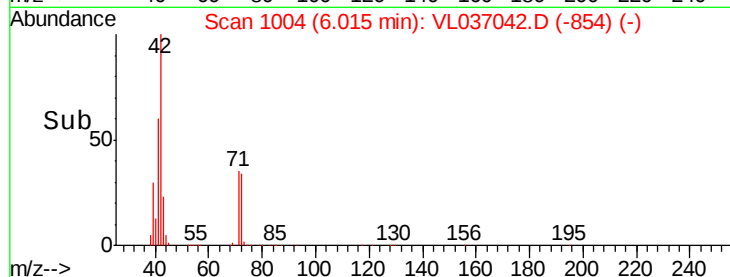
71 39.0 30.4 45.6



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



Time-->



#42

Bromodichloromethane

Concen: 10.126 ppbv

RT: 7.75 min Scan# 1545

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

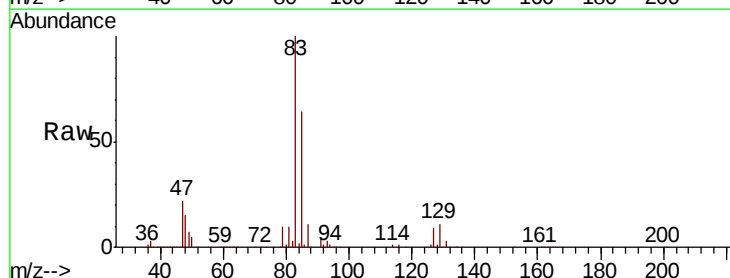
Tgt Ion: 83 Resp: 2170150

Ion Ratio Lower Upper

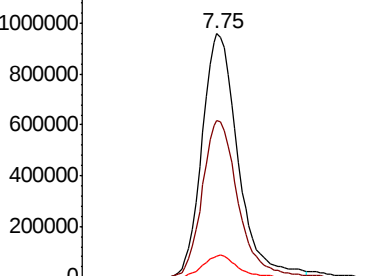
83 100

85 64.4 51.7 77.5

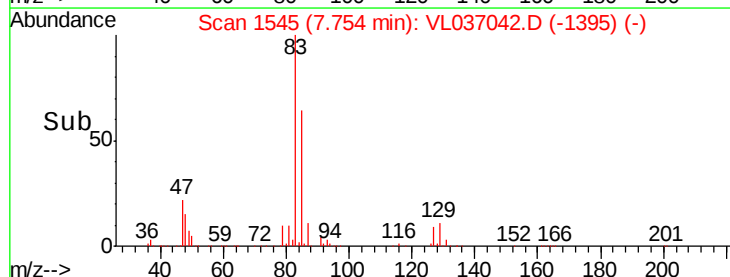
127 8.6 6.9 10.3

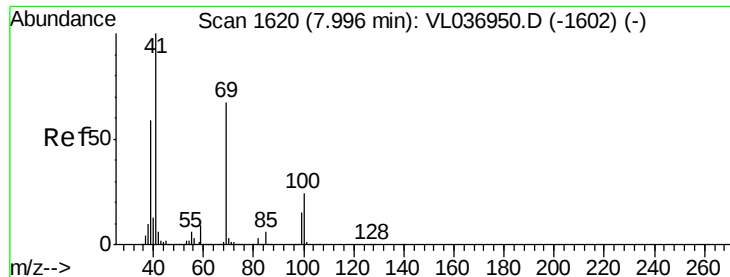


Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V



Time-->





#43

Methyl Methacrylate

Concen: 10.145 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

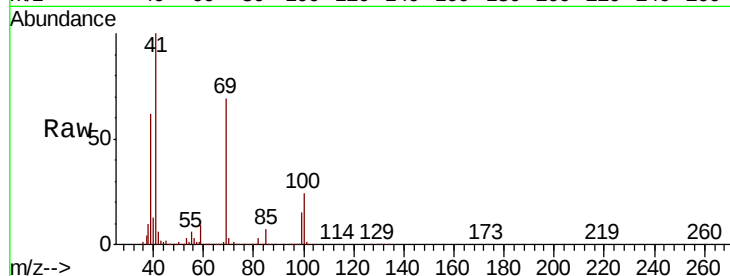
Tot Ion: 69 Resp: 999140

Ion Ratio Lower Upper

69 100

41 148.3 118.6 178.0

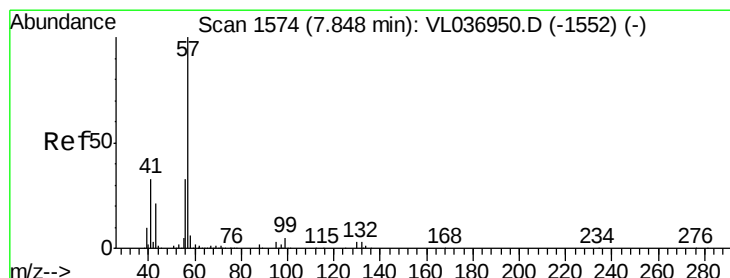
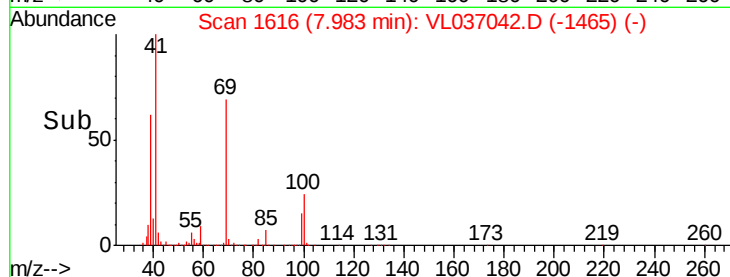
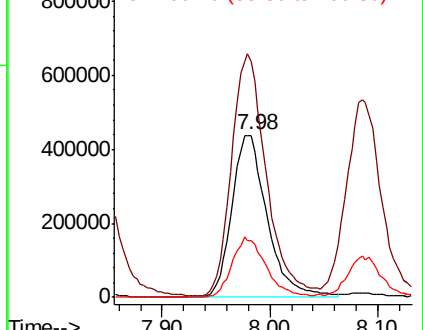
100 35.5 28.2 42.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.112 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

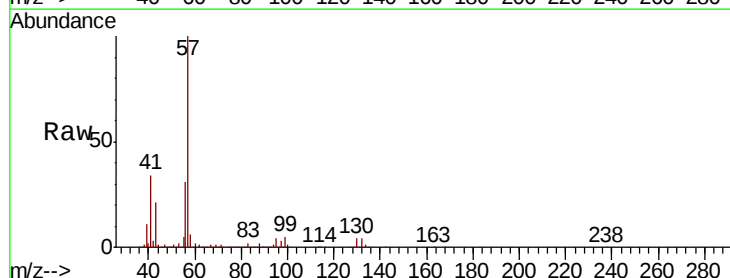
Tgt Ion: 57 Resp: 4466685

Ion Ratio Lower Upper

57 100

41 33.3 27.0 40.4

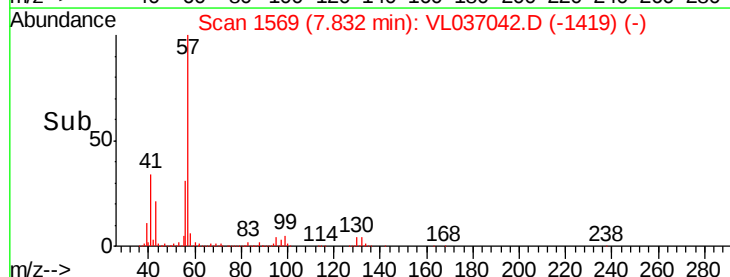
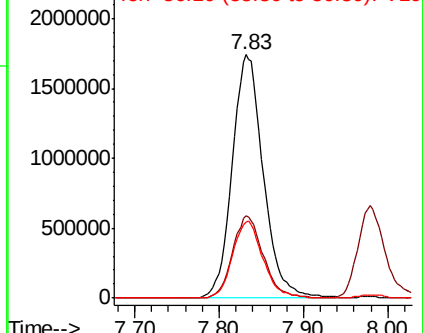
56 31.2 25.4 38.2

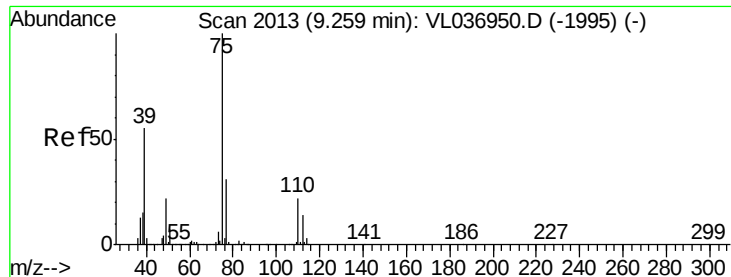


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

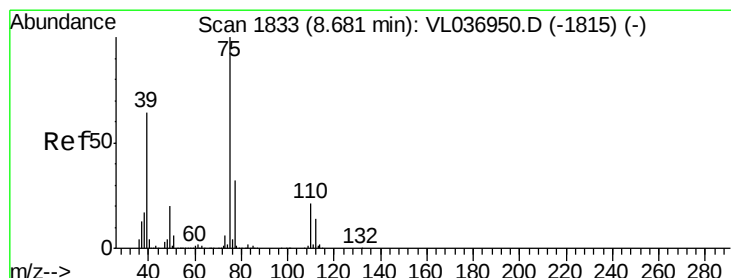
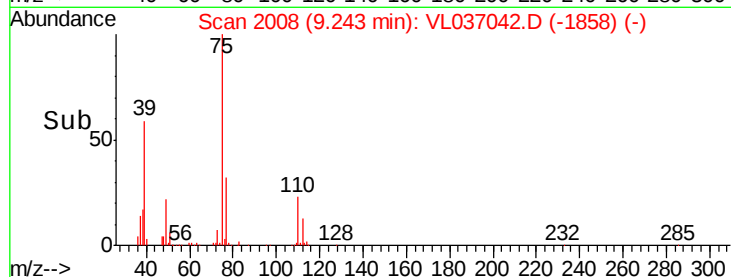
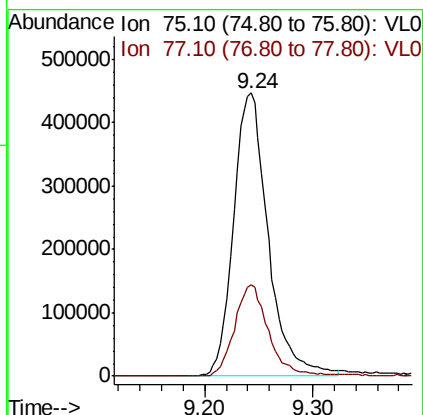
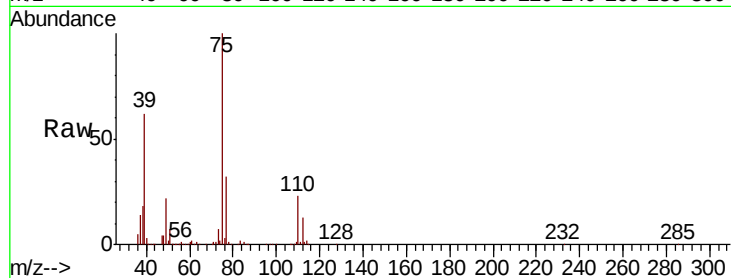




#45
 t-1,3-Dichloropropene
 Concen: 13.270 ppbv
 RT: 9.24 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

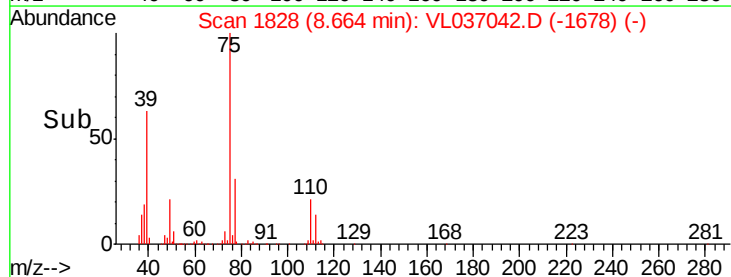
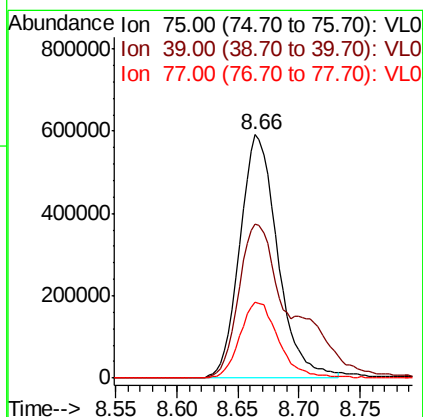
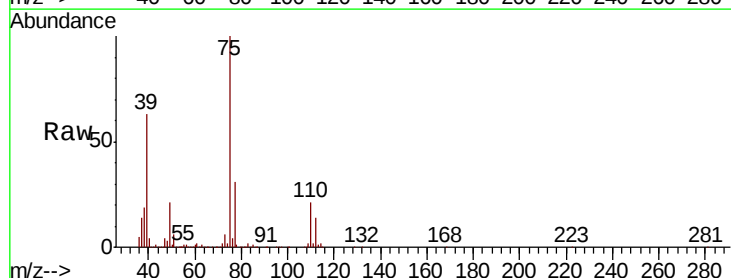
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

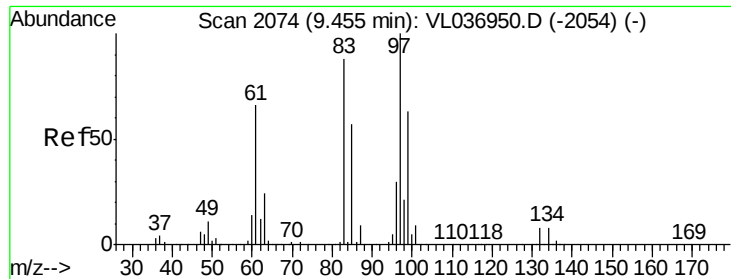
Tot Ion: 75 Resp: 998428
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 12.500 ppbv
 RT: 8.66 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 75 Resp: 1264979
 Ion Ratio Lower Upper
 75 100
 39 63.2 51.5 77.3
 77 31.1 25.9 38.9

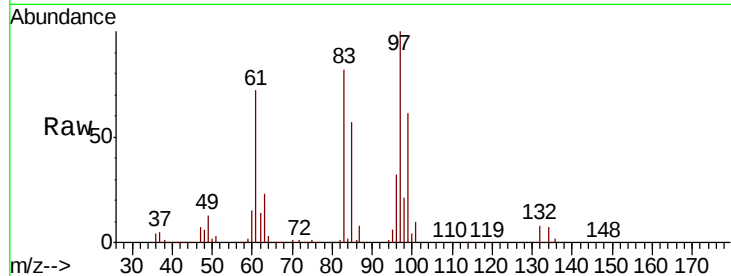




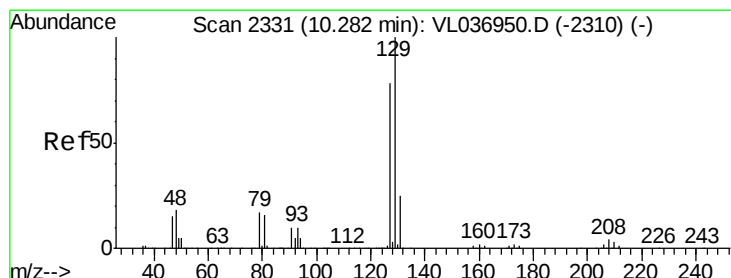
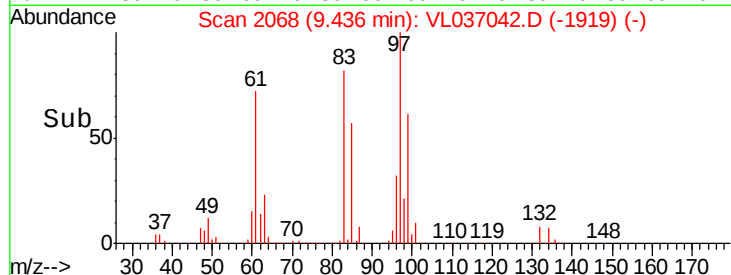
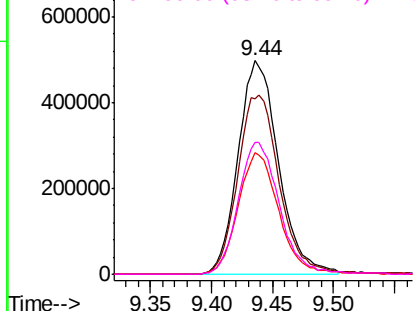
#47
 1,1,2-Trichloroethane
 Concen: 9.880 ppbv
 RT: 9.44 min Scan# 2068
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1138166
 Ion Ratio Lower Upper
 97 100
 83 81.8 70.4 105.6
 85 57.2 45.5 68.3
 99 61.5 50.2 75.2

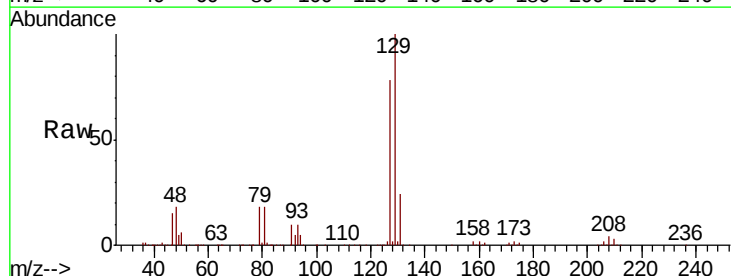


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

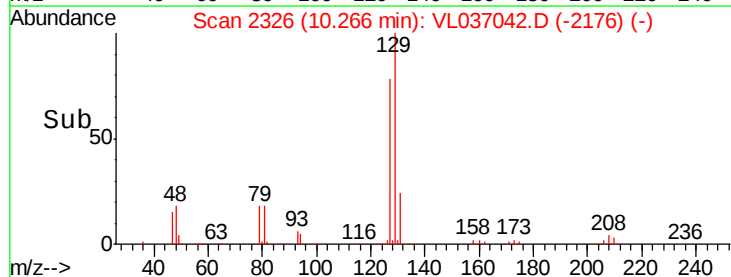
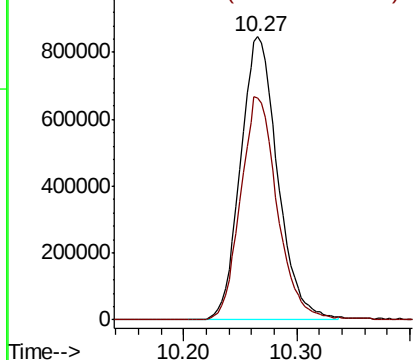


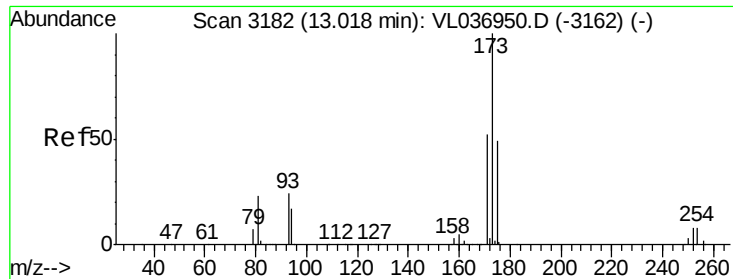
#48
 Dibromochloromethane
 Concen: 10.376 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 129 Resp: 1935427
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.3 117.8



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





#49

Bromoform

Concen: 10.639 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

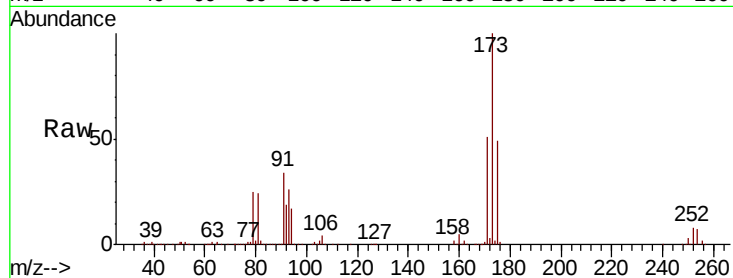
Tot Ion:173 Resp: 1639016

Ion Ratio Lower Upper

173 100

175 49.8 40.4 60.6

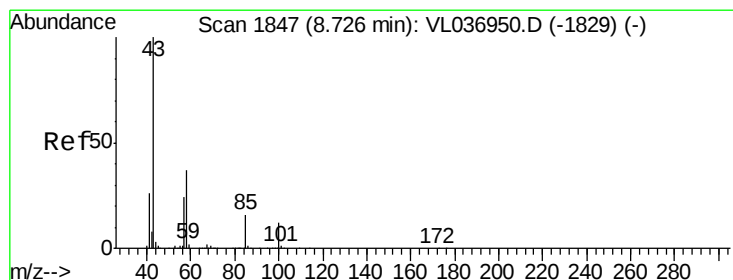
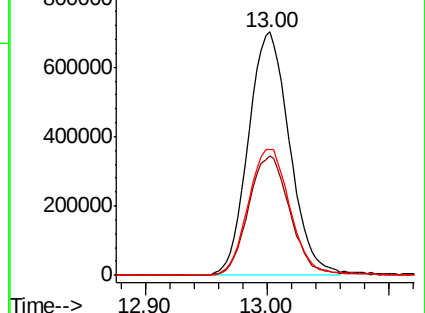
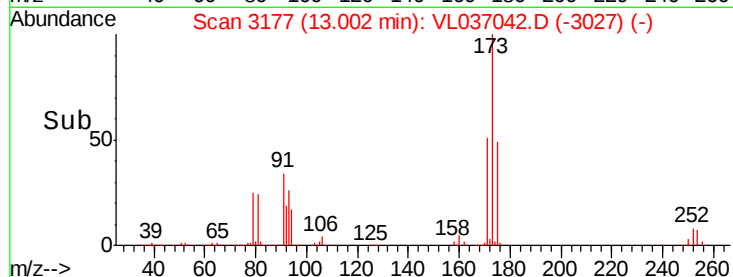
171 53.1 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.739 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL037042.D

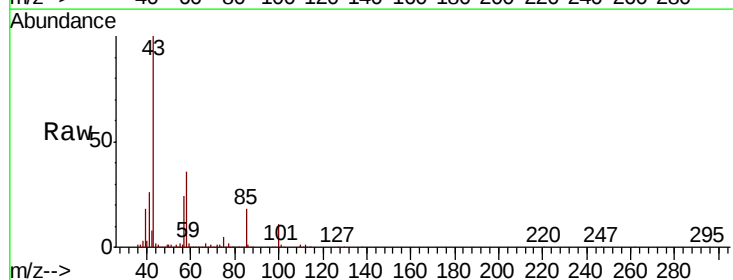
Acq: 21 May 2021 2:44

Tgt Ion: 43 Resp: 1941105

Ion Ratio Lower Upper

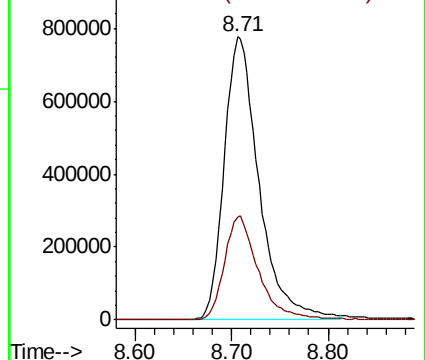
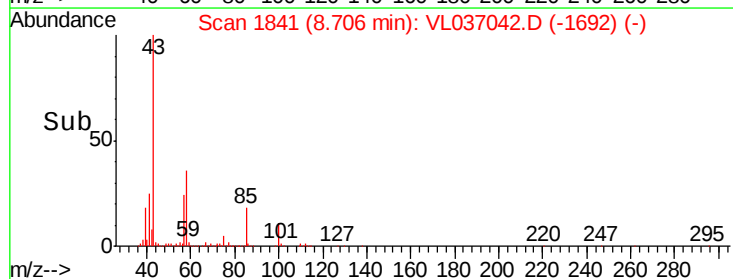
43 100

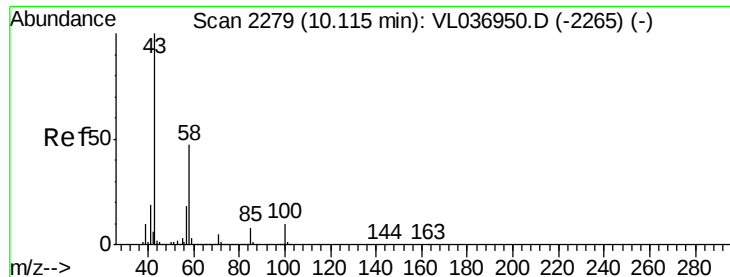
58 36.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

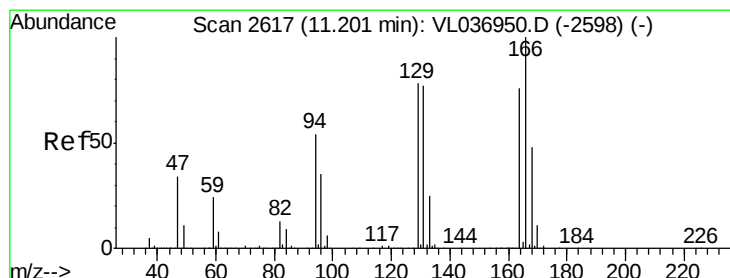
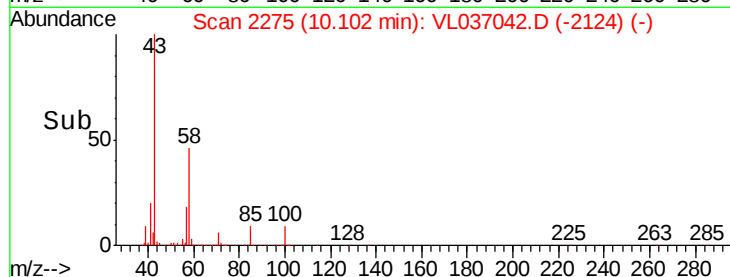
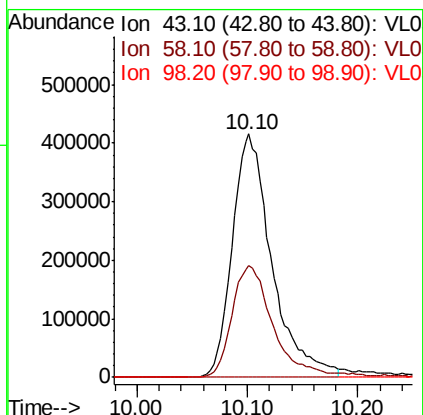
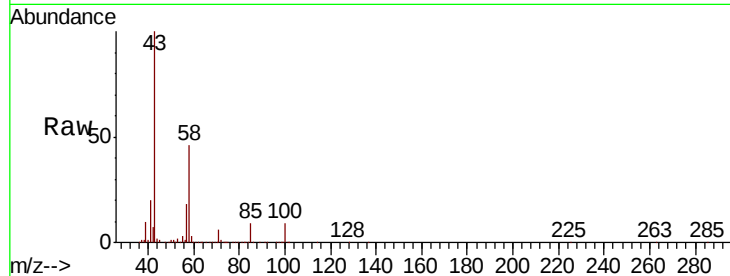




#51
2-Hexanone
Concen: 9.775 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

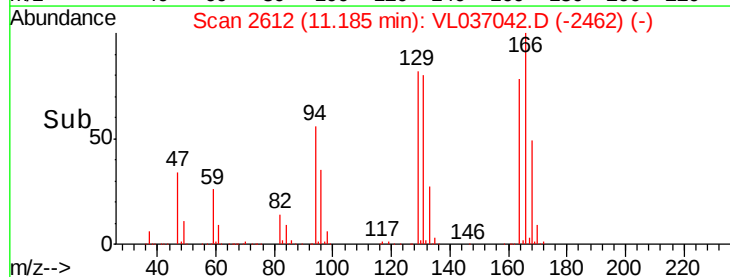
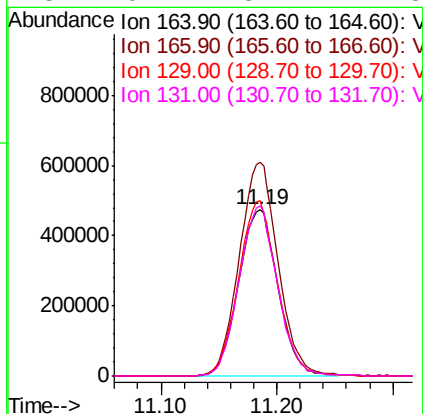
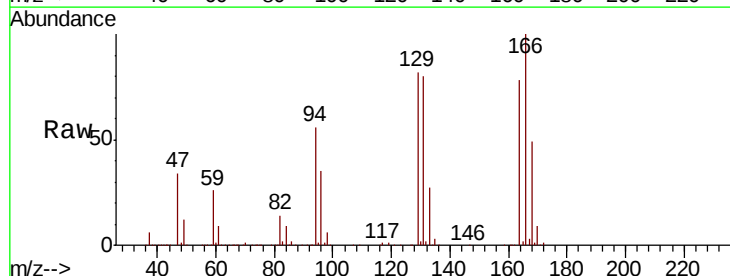
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

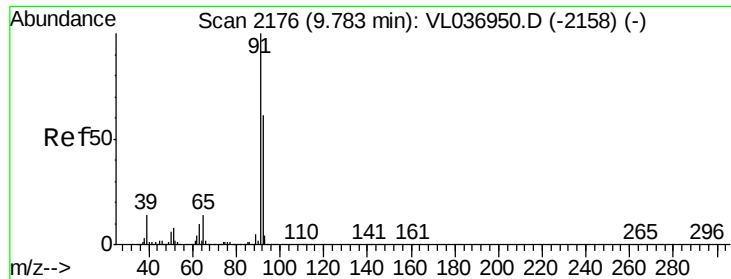
Tot Ion: 43 Resp: 1029996
Ion Ratio Lower Upper
43 100
58 49.8 41.1 61.7
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 9.800 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 164 Resp: 1113458
Ion Ratio Lower Upper
164 100
166 128.7 105.5 158.3
129 105.6 81.8 122.8
131 102.7 81.2 121.8





#53

Toluene

Concen: 9.652 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

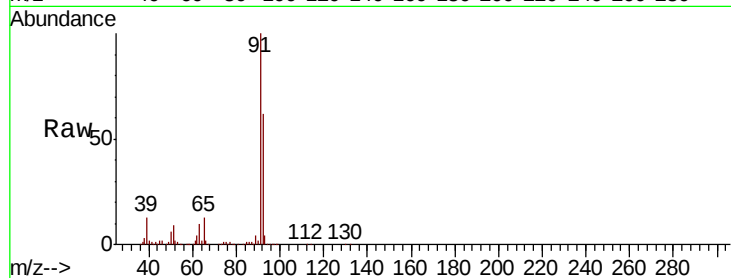
VSTDCCC010EC

Tot Ion: 91 Resp: 3281630

Ion Ratio Lower Upper

91 100

92 60.8 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.77

1500000

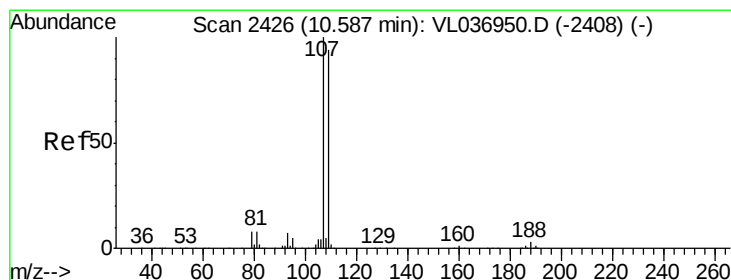
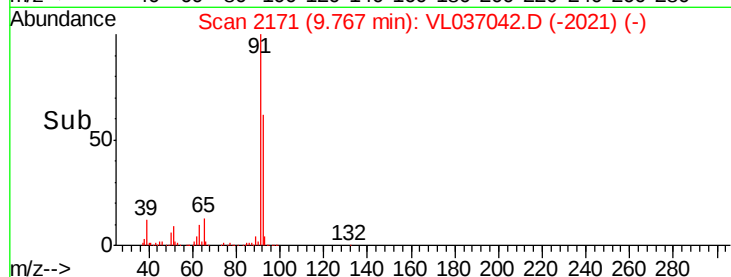
1000000

500000

0

Time-->

9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 10.491 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037042.D

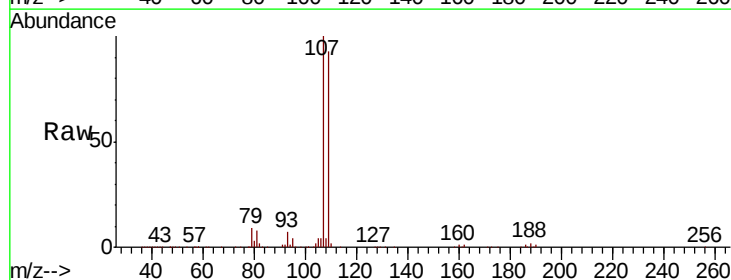
Acq: 21 May 2021 2:44

Tgt Ion: 107 Resp: 1718224

Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.57

800000

600000

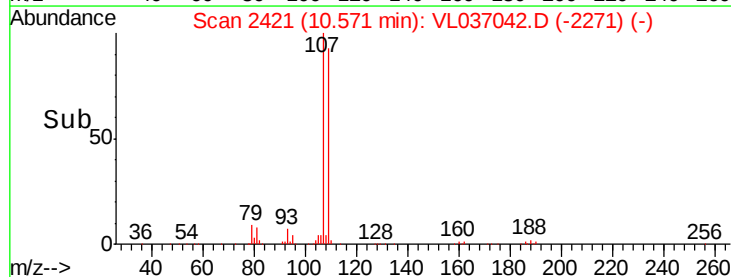
400000

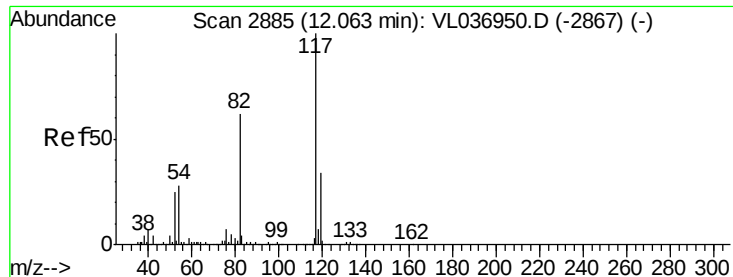
200000

0

Time-->

10.50 10.60 10.70

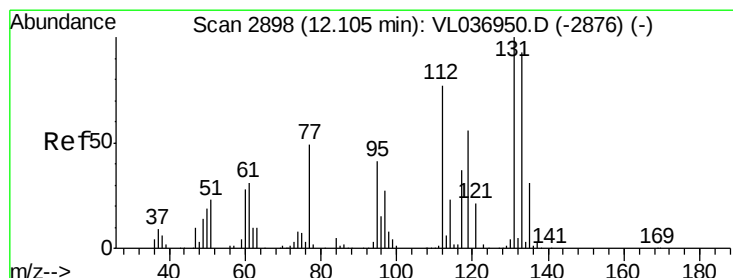
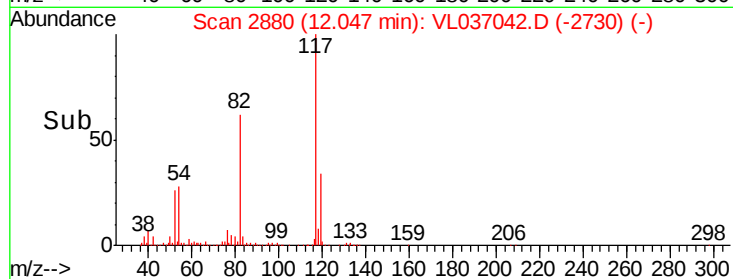
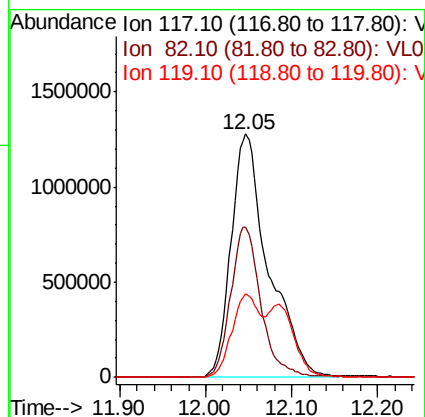
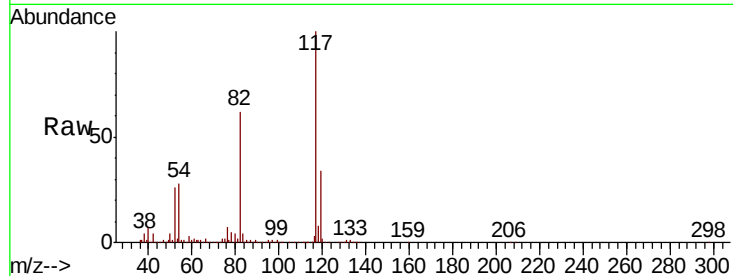




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

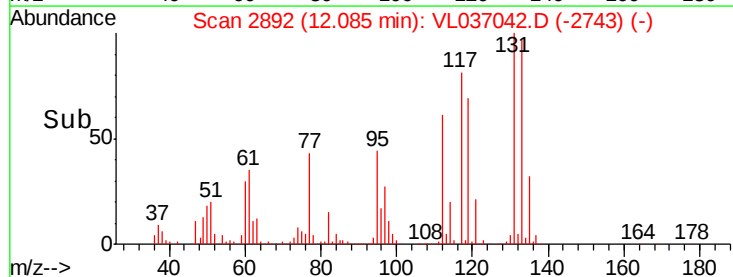
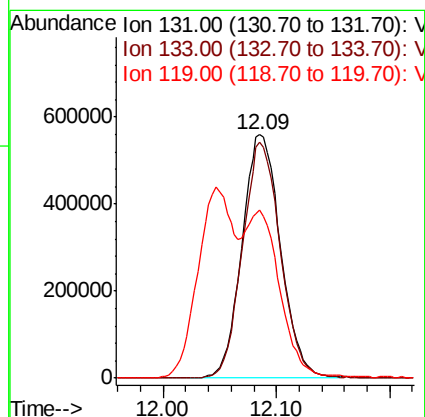
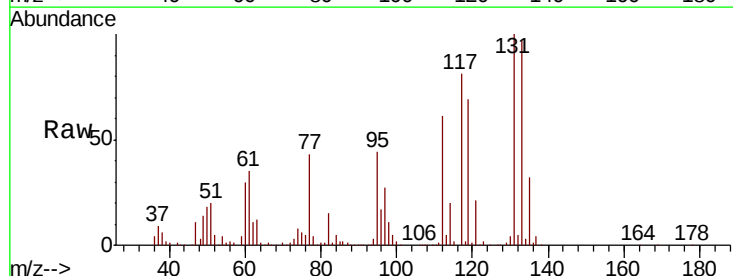
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

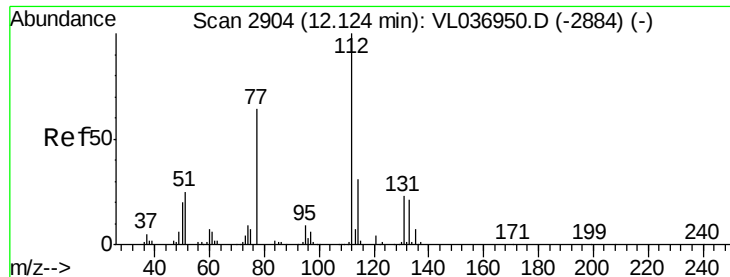
Tot Ion:117 Resp: 3860671
Ion Ratio Lower Upper
117 100
82 50.7 52.6 79.0#
119 25.0 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.150 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion:131 Resp: 1323904
Ion Ratio Lower Upper
131 100
133 95.9 76.9 115.3
119 139.2 120.2 180.4





#57

Chlorobenzene

Concen: 8.141 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

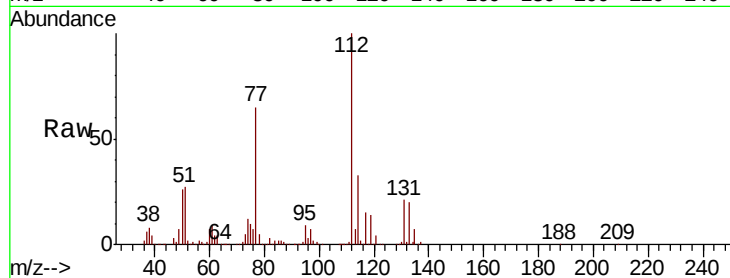
Tot Ion:112 Resp: 2436944

Ion Ratio Lower Upper

112 100

77 64.0 51.0 76.6

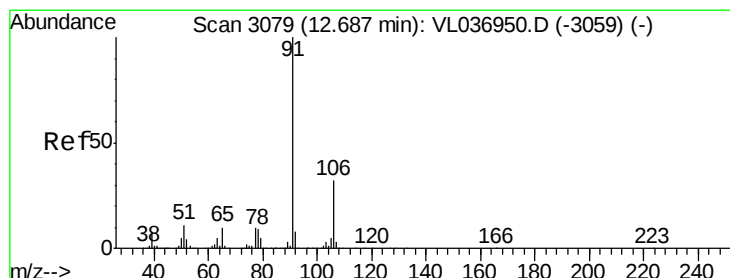
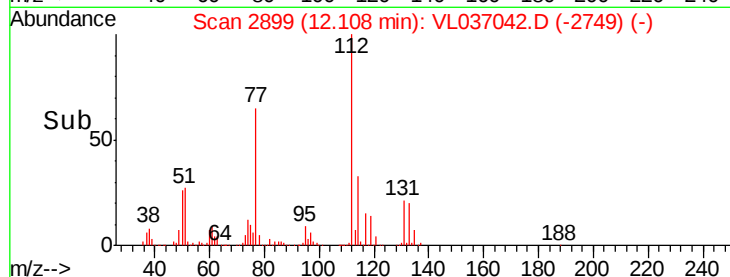
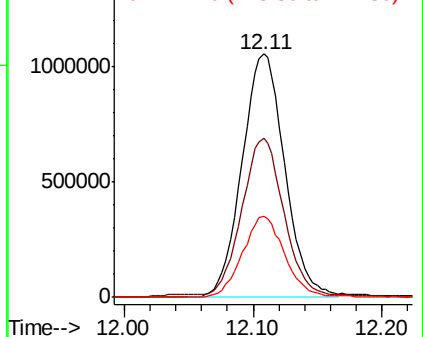
114 33.2 28.3 34.5



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: 7.965 ppbv

RT: 12.67 min Scan# 3074

Delta R.T. -0.02 min

Lab File: VL037042.D

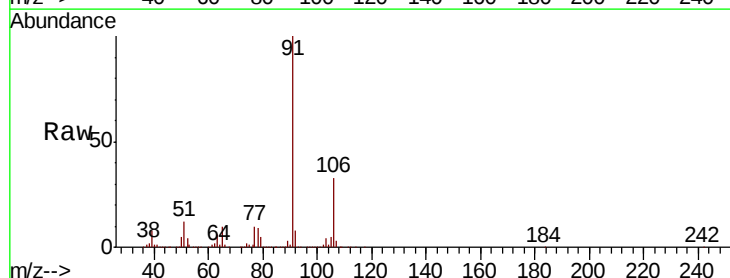
Acq: 21 May 2021 2:44

Tgt Ion: 91 Resp: 4339836

Ion Ratio Lower Upper

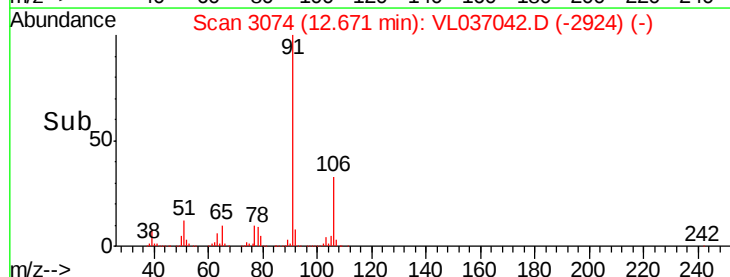
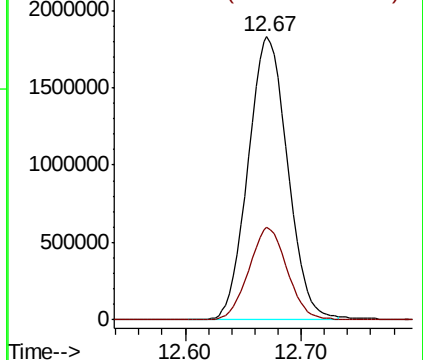
91 100

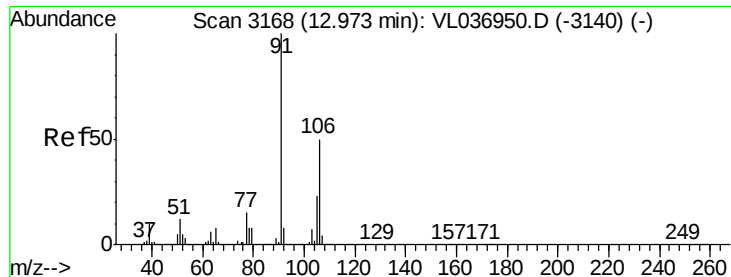
106 32.6 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

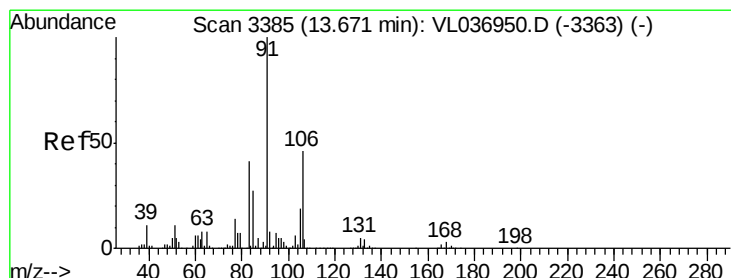
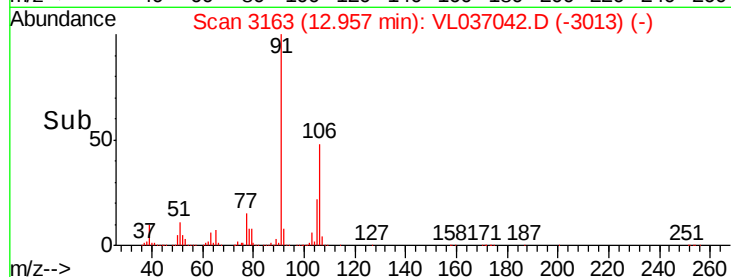
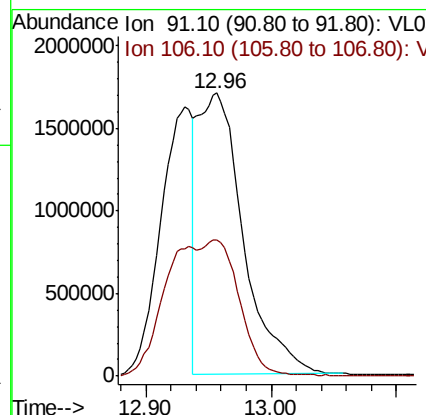
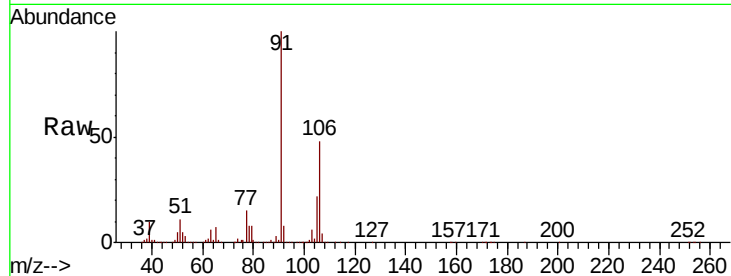




#59
m/p-Xylene
Concen: 9.495 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

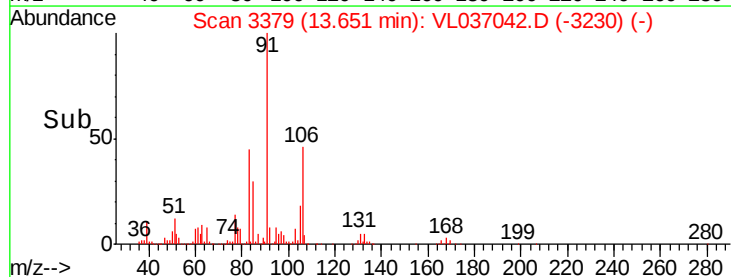
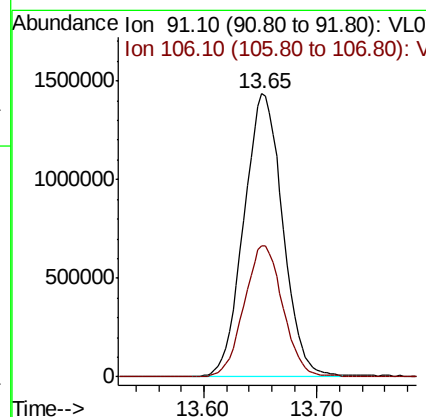
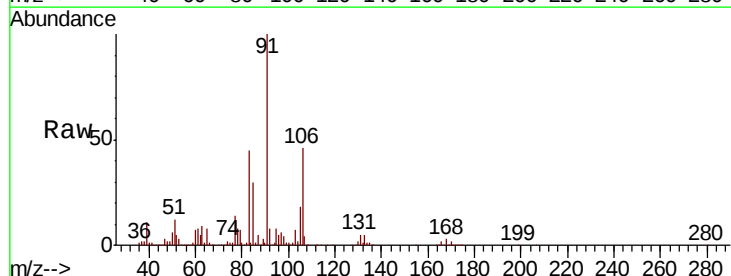
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

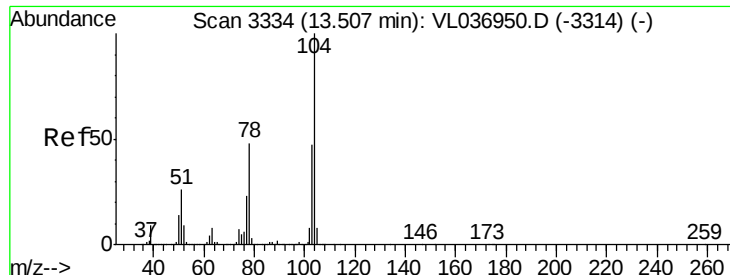
Tot Ion: 91 Resp: 4276553
Ion Ratio Lower Upper
91 100
106 77.5 37.4 56.2#



#60
o-Xylene
Concen: 7.982 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 91 Resp: 3428970
Ion Ratio Lower Upper
91 100
106 46.3 23.4 70.3





#61

Stvrene

Concen: 8.521 ppbv

RT: 13.49 min Scan# 3328

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

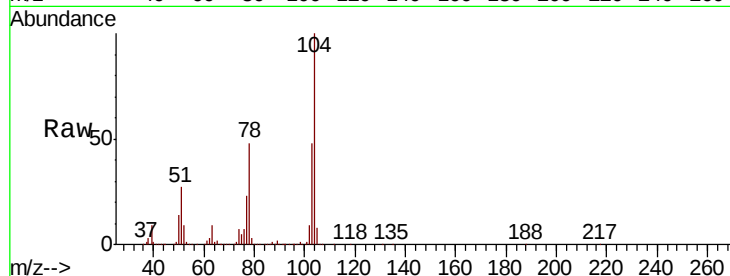
Tot Ion:104 Resp: 2062200

Ion Ratio Lower Upper

104 100

78 49.6 39.0 58.6

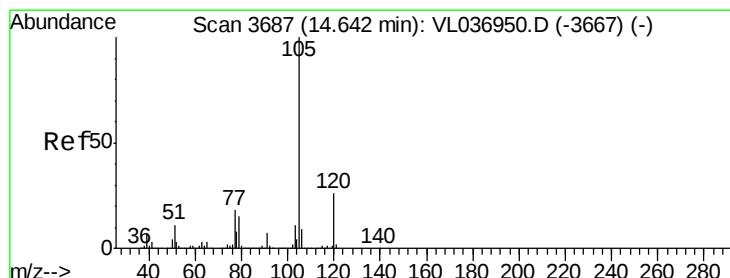
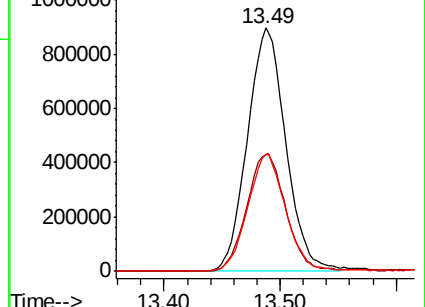
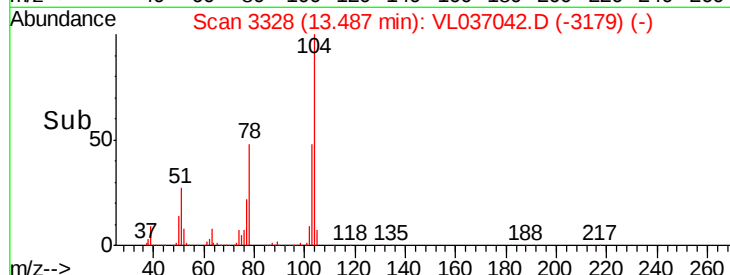
103 48.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.831 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.01 min

Lab File: VL037042.D

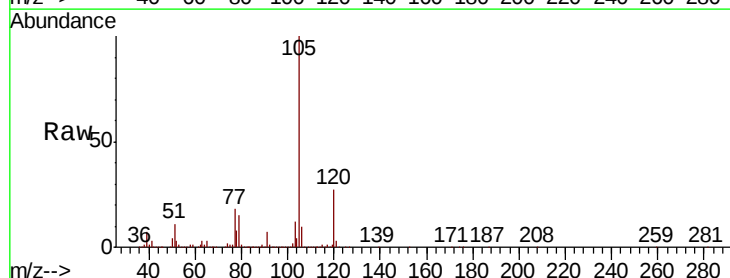
Acq: 21 May 2021 2:44

Tgt Ion:105 Resp: 4834862

Ion Ratio Lower Upper

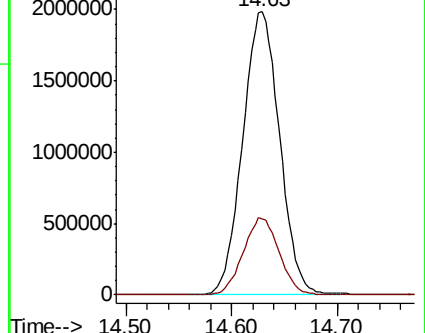
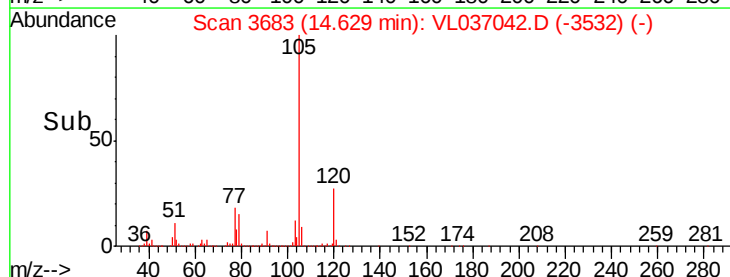
105 100

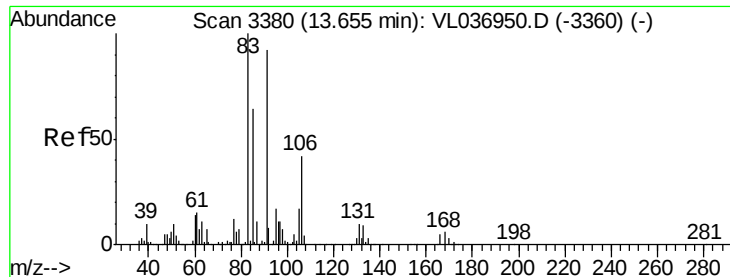
120 26.8 21.7 32.5



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: 7.300 ppbv

RT: 13.64 min Scan# 3375

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

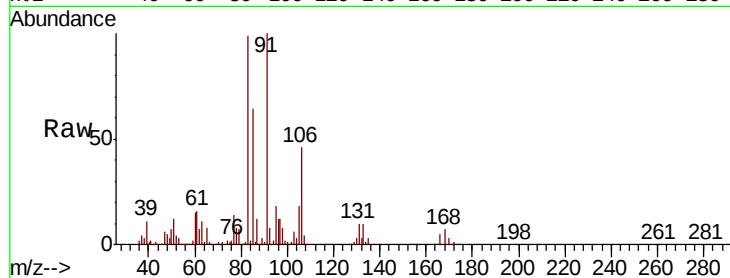
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2341887

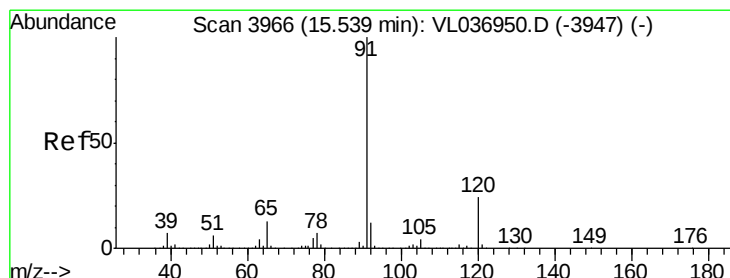
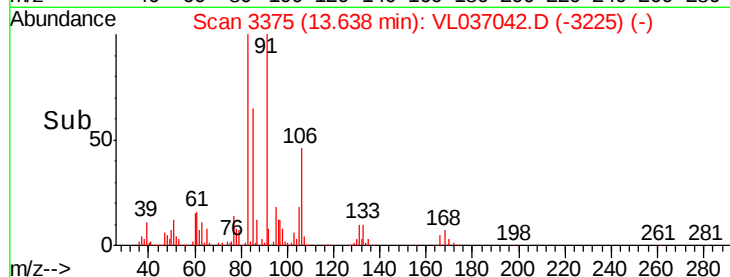
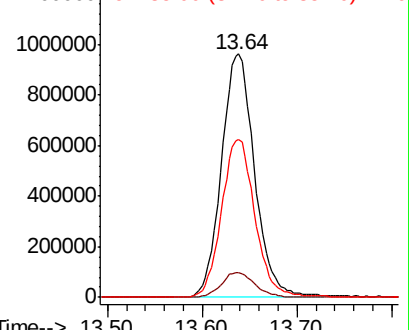
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	65.9	32.9	98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.231 ppbv

RT: 15.52 min Scan# 3960

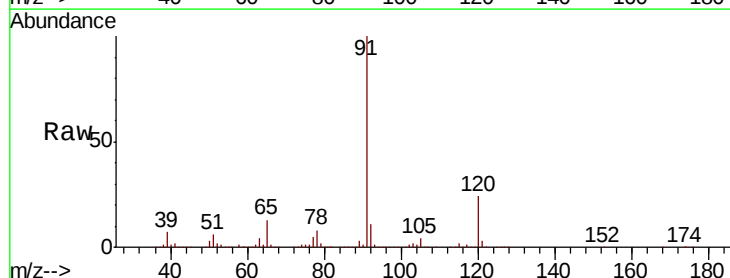
Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

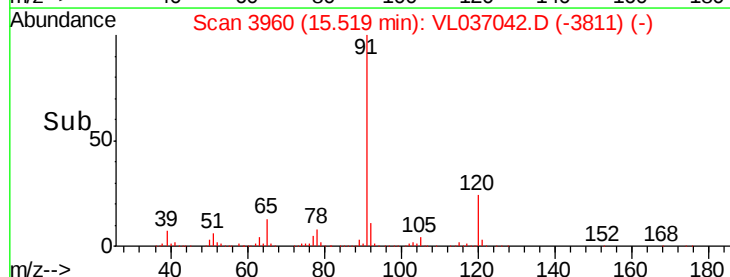
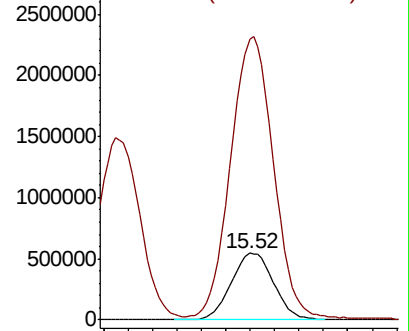
Tgt Ion: 120 Resp: 1311089

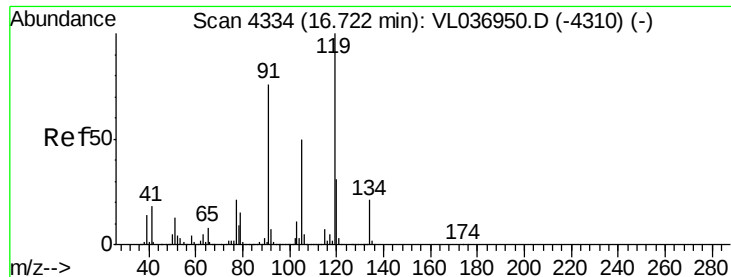
Ion	Ratio	Lower	Upper
120	100		
91	432.9	343.8	515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.823 ppbv

RT: 16.71 min Scan# 4329

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

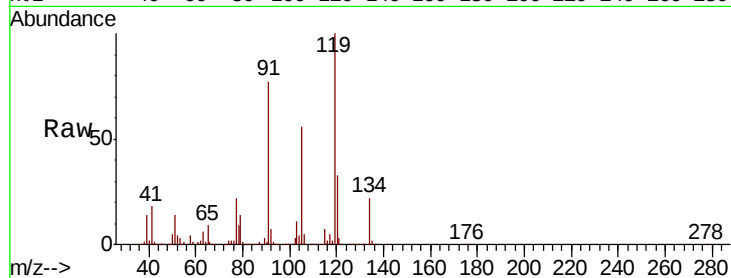
Tot Ion:119 Resp: 4358126

Ion Ratio Lower Upper

119 100

91 77.8 61.9 92.9

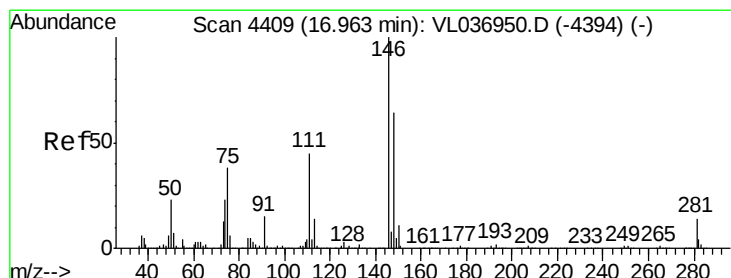
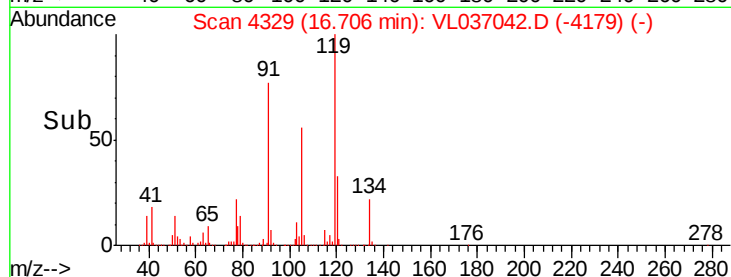
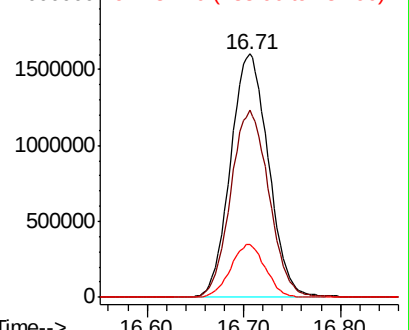
134 20.1 16.2 24.4



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: 7.672 ppbv

RT: 16.95 min Scan# 4404

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

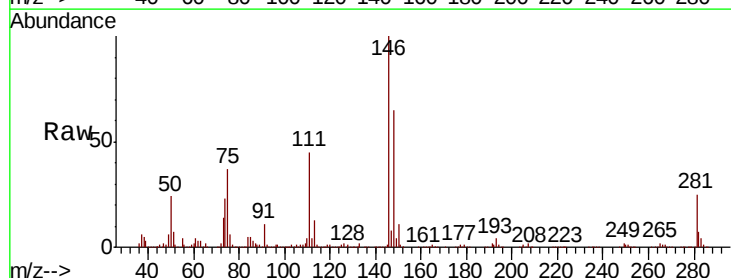
Tgt Ion: 91 Resp: 237135

Ion Ratio Lower Upper

91 100

126 19.2 16.5 24.7

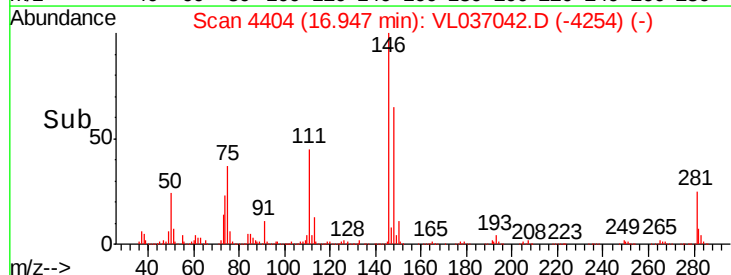
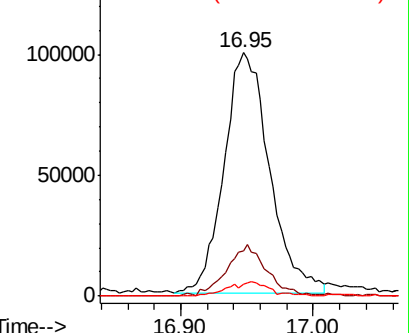
128 5.7 5.5 8.3

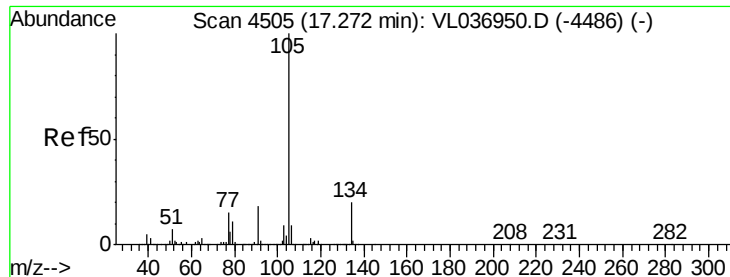


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

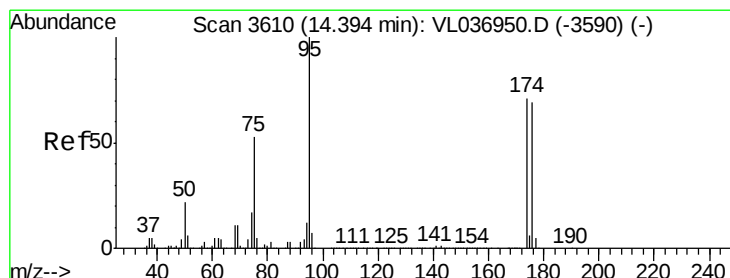
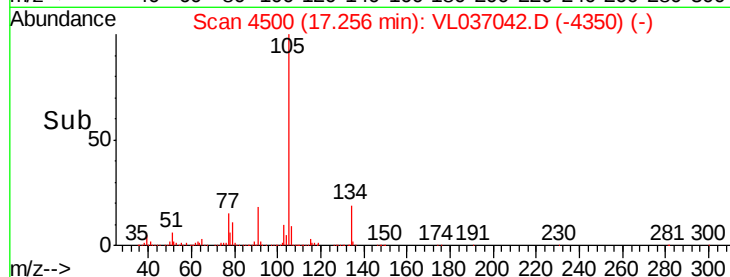
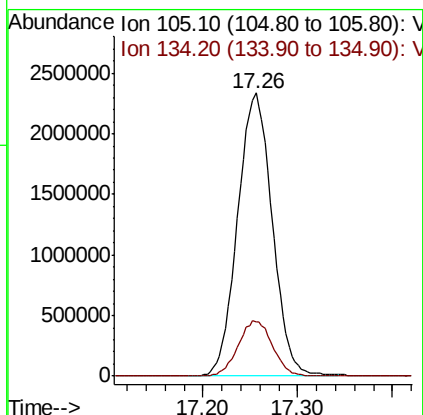
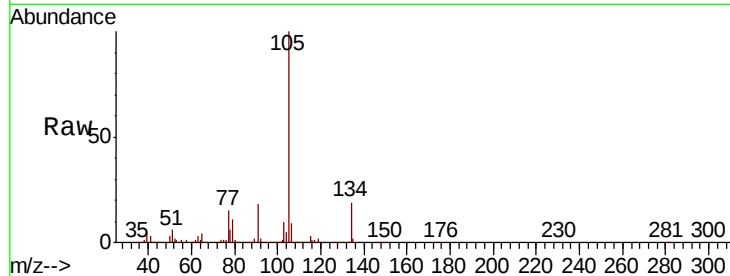




#67
 sec-Butylbenzene
 Concen: 7.812 ppbv
 RT: 17.26 min Scan# 4500
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

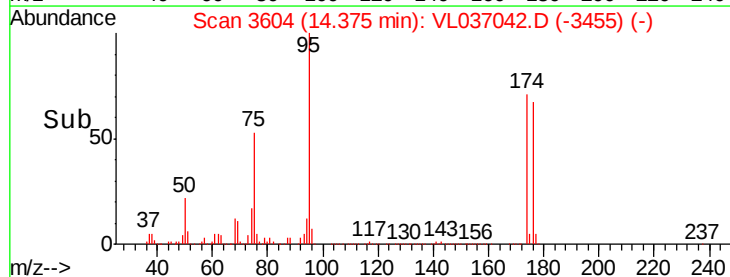
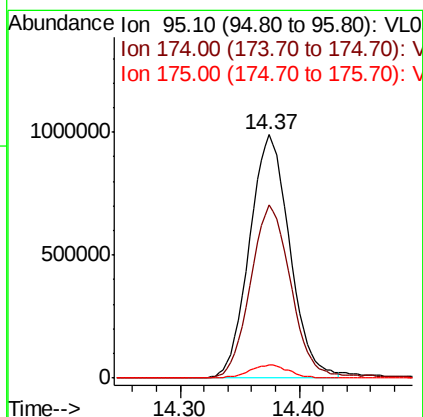
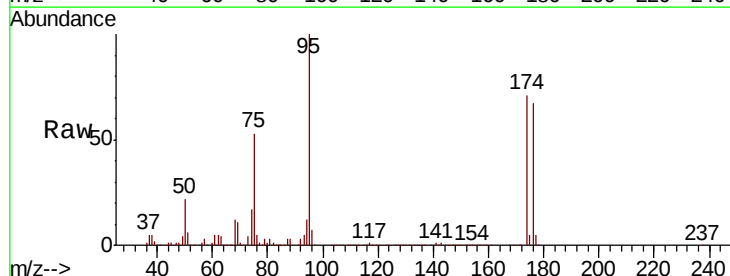
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

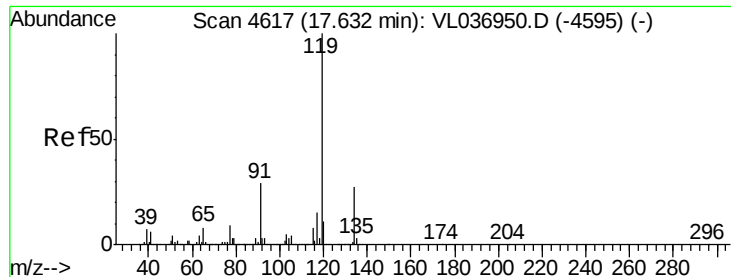
Tot Ion:105 Resp: 5936713
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.6 23.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.007 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 95 Resp: 2322082
 Ion Ratio Lower Upper
 95 100
 174 73.0 58.4 87.6
 175 5.4 4.4 6.6

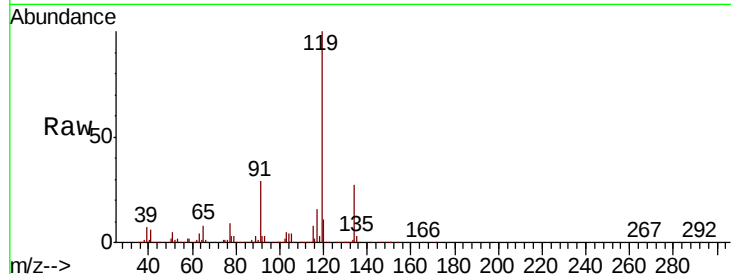




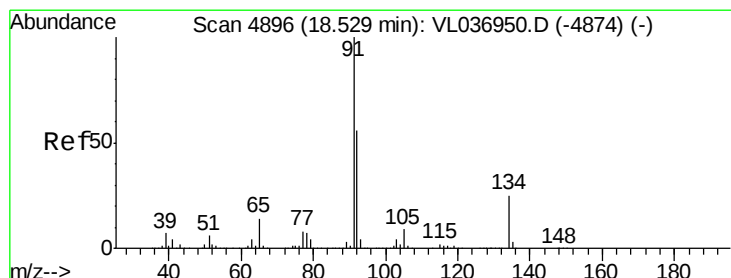
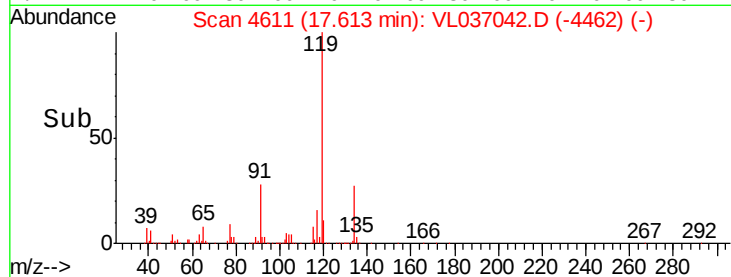
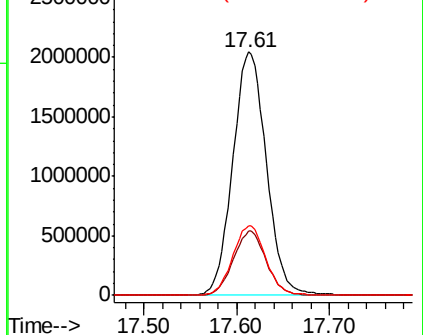
#69
 p-Isopropyltoluene
 Concen: 7.866 ppbv
 RT: 17.61 min Scan# 4611
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5139751
 Ion Ratio Lower Upper
 119 100
 134 26.0 21.2 31.8
 91 28.0 22.2 33.4

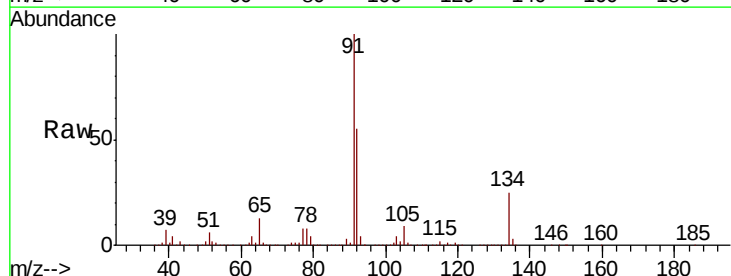


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

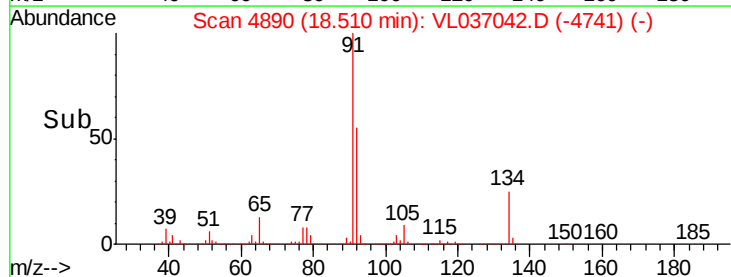
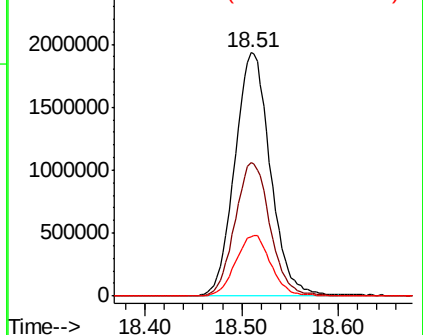


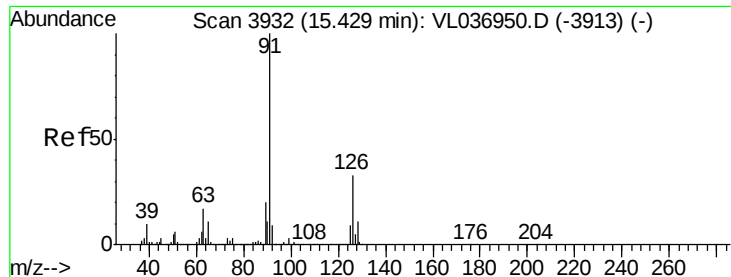
#70
 n-Butylbenzene
 Concen: 7.948 ppbv
 RT: 18.51 min Scan# 4890
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 91 Resp: 4933178
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.6 66.8
 134 25.1 20.2 30.2



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

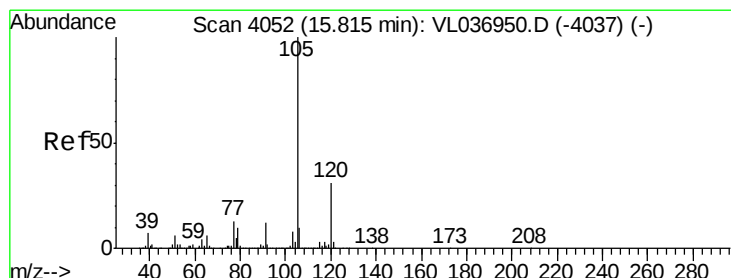
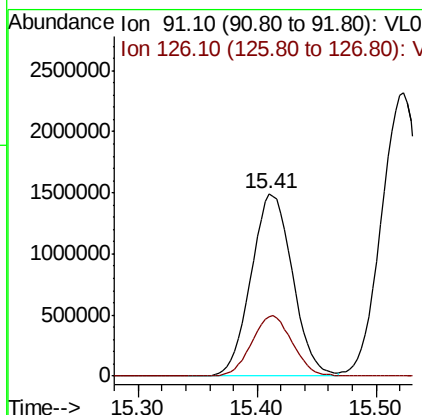
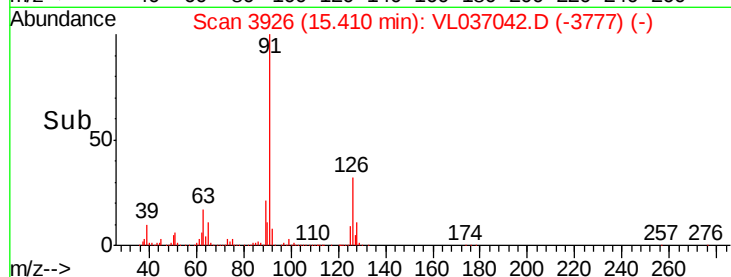
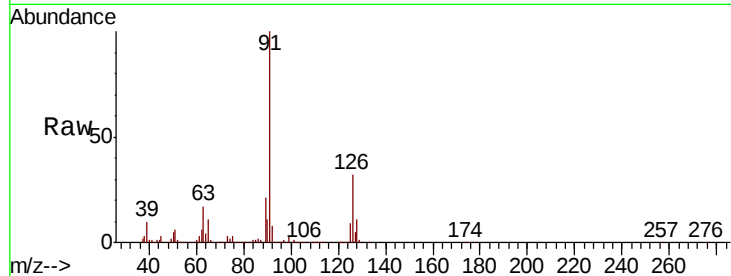




#71
 2-Chlorotoluene
 Concen: 8.064 ppbv
 RT: 15.41 min Scan# 3926
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

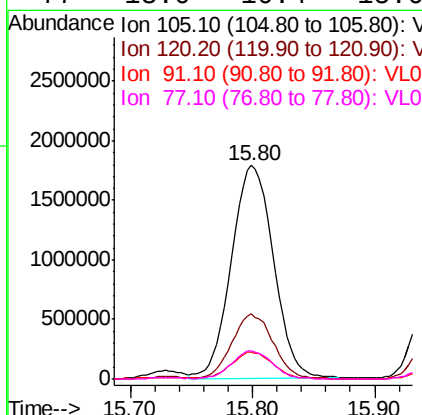
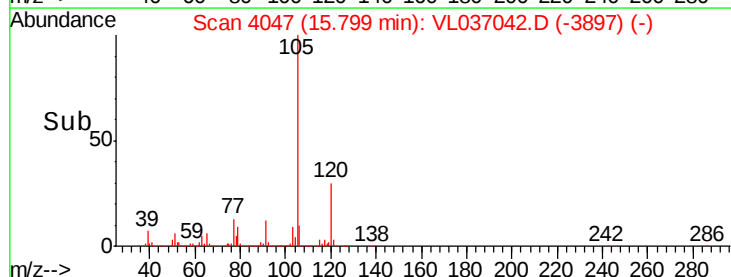
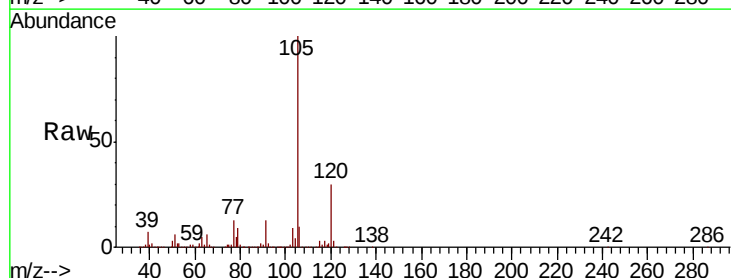
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

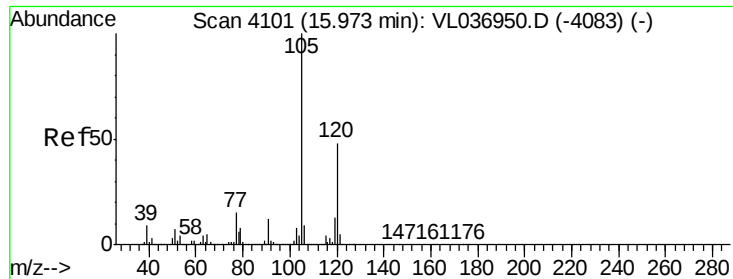
Tot Ion: 91 Resp: 3595512
 Ion Ratio Lower Upper
 91 100
 126 32.9 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.342 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 105 Resp: 4252956
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.6 37.0
 91 12.4 9.8 14.6
 77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.019 ppbv

RT: 15.96 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

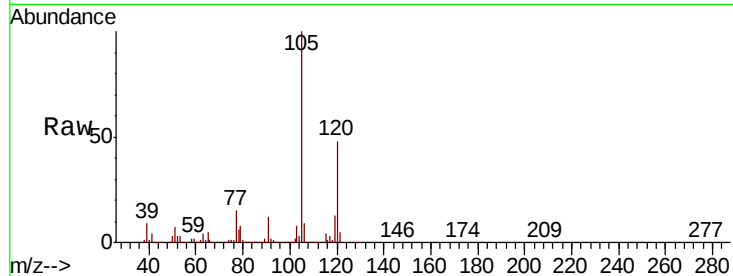
VSTDCCC010EC

Tot Ion:105 Resp: 3839336

Ion Ratio Lower Upper

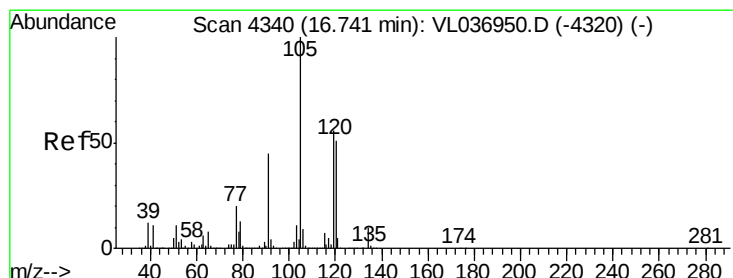
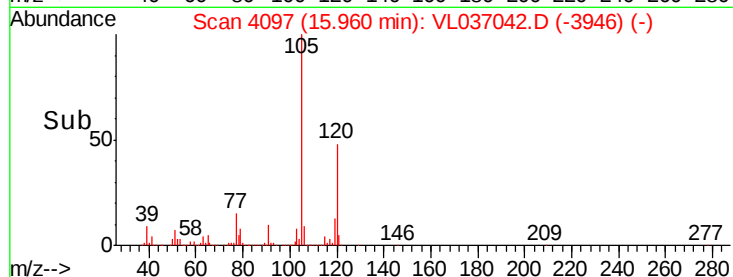
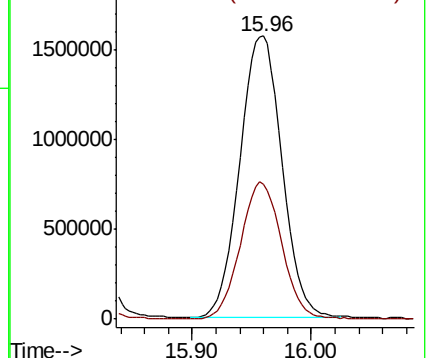
105 100

120 47.8 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.032 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion:105 Resp: 3976357

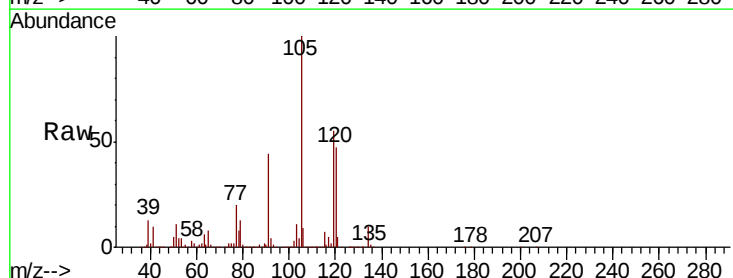
Ion Ratio Lower Upper

105 100

120 46.7 40.6 61.0

91 43.3 37.4 56.0

77 19.5 16.2 24.4

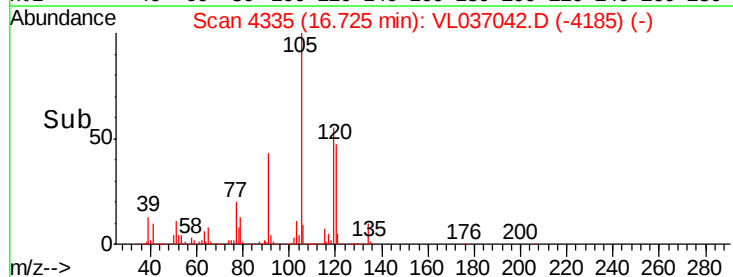
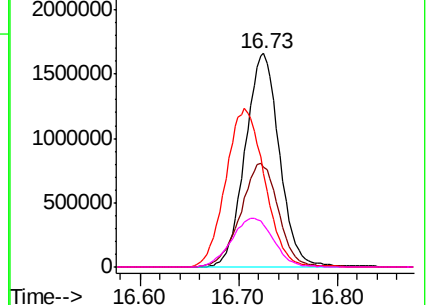


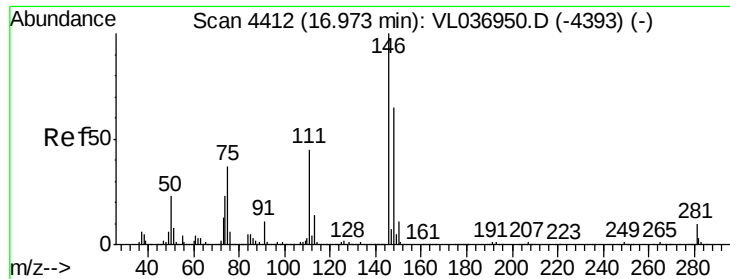
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.182 ppbv

RT: 16.95 min Scan# 4406

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

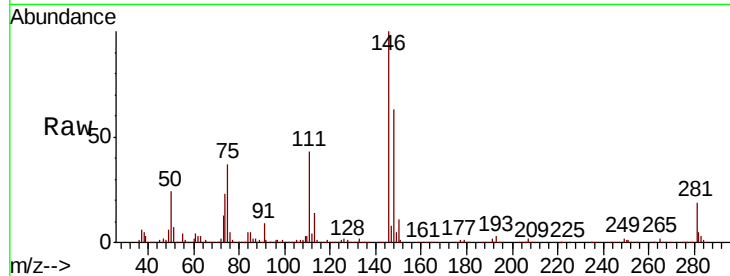
Tot Ion:146 Resp: 2473257

Ion Ratio Lower Upper

146 100

111 44.1 22.2 66.6

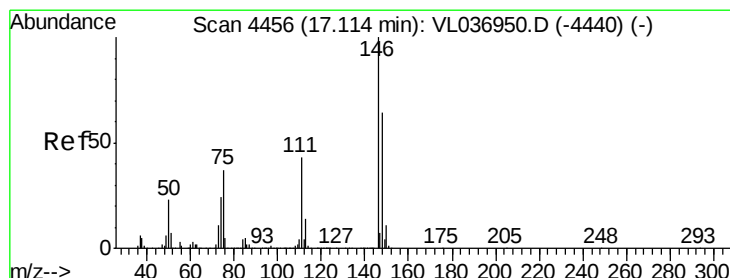
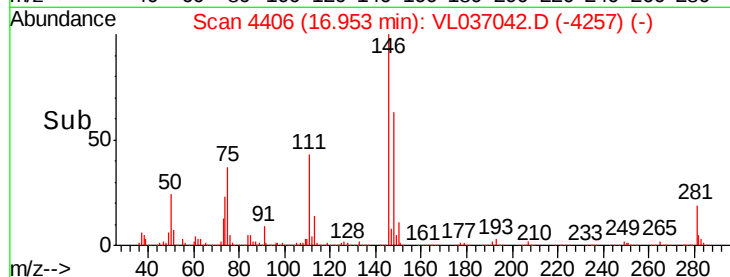
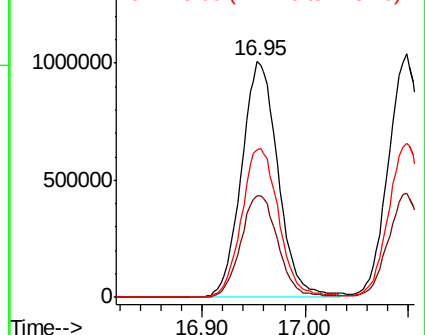
148 64.7 32.3 96.8



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: 8.114 ppbv

RT: 17.10 min Scan# 4451

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

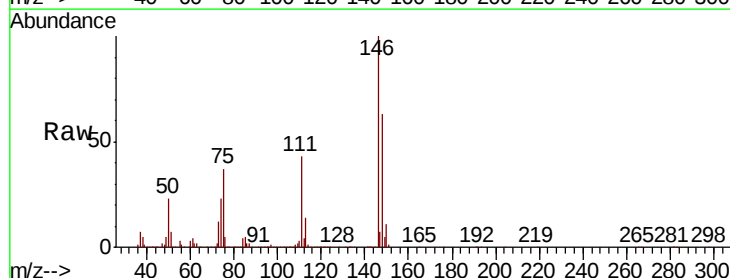
Tgt Ion:146 Resp: 2479928

Ion Ratio Lower Upper

146 100

111 42.8 22.6 67.7

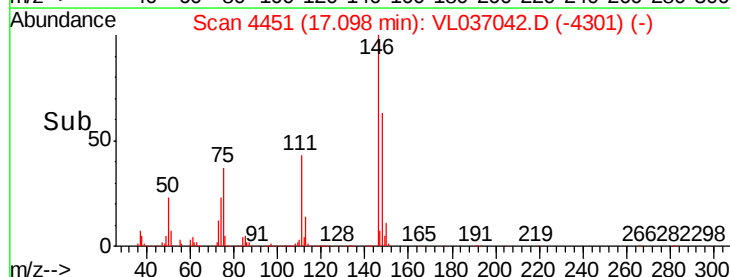
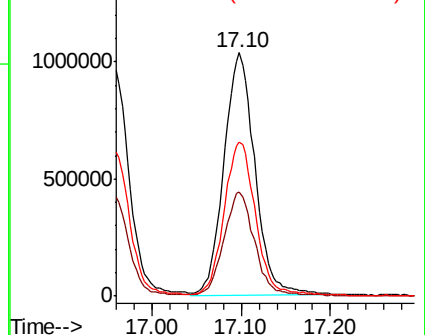
148 65.0 33.5 100.5

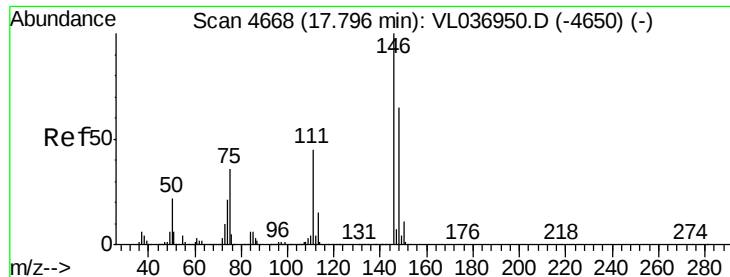


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

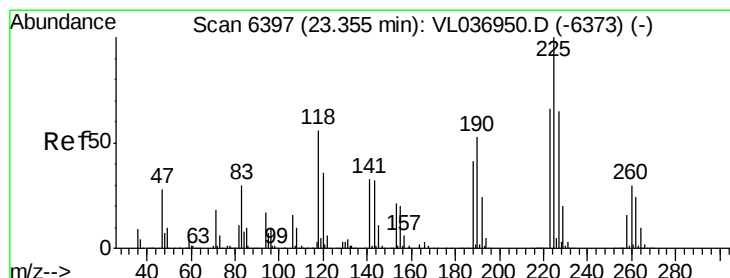
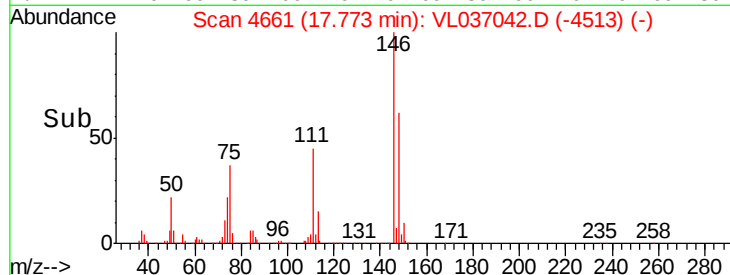
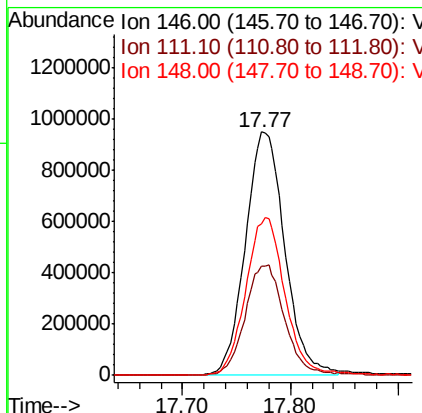
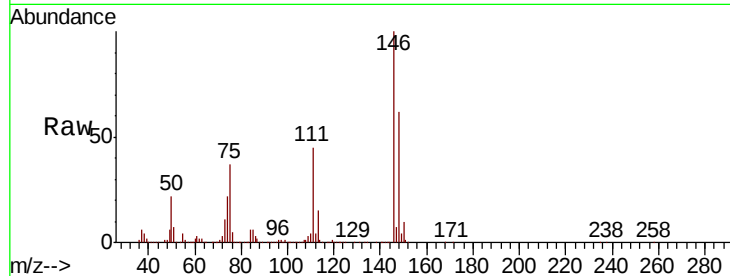




#77
 1,2-Dichlorobenzene
 Concen: 7.915 ppbv
 RT: 17.77 min Scan# 4661
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

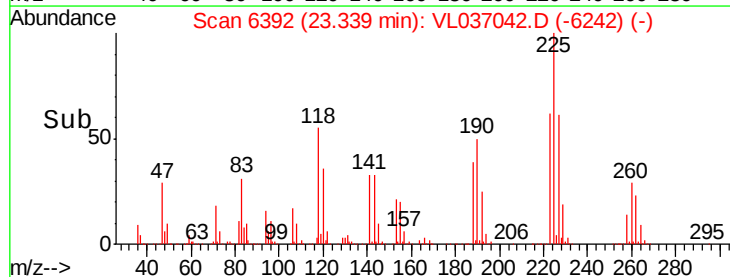
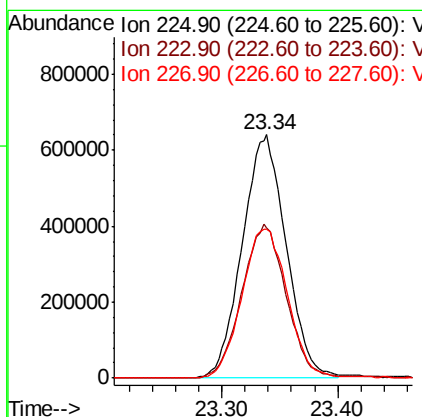
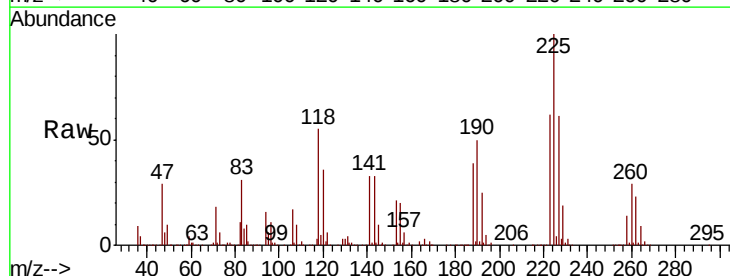
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

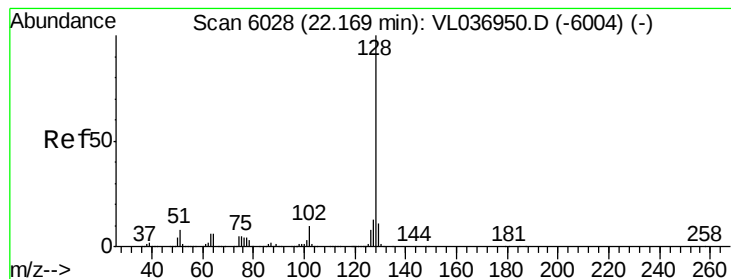
Tot Ion:146 Resp: 2397396
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.1 69.2
 148 64.8 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.907 ppbv
 RT: 23.34 min Scan# 6392
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion:225 Resp: 1682229
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.9 77.9
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 8.972 ppbv

RT: 22.15 min Scan# 6021

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

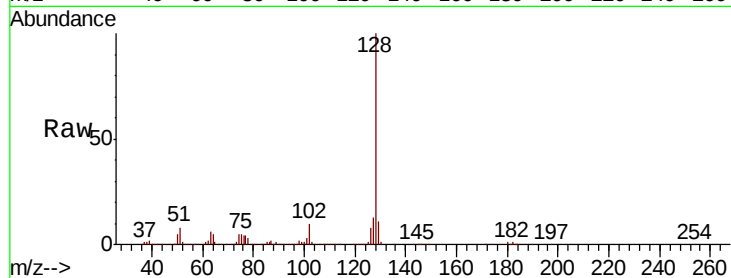
Tot Ion:128 Resp: 3484946

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

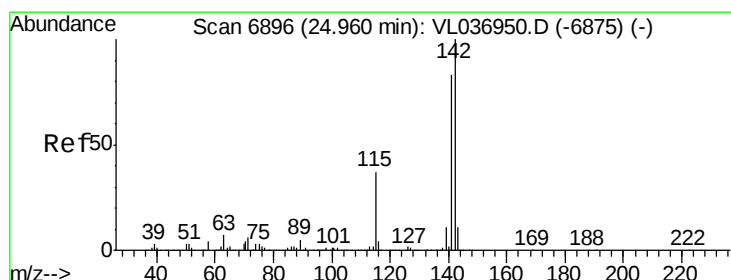
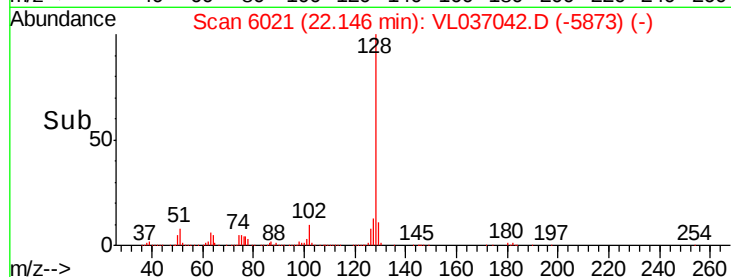
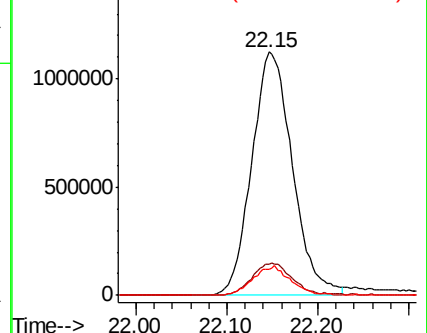
129 10.7 9.0 13.6



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: 10.920 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

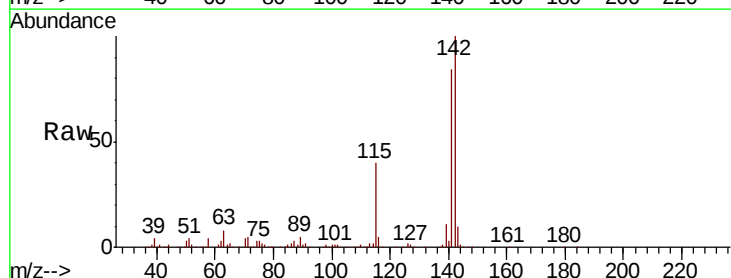
Tgt Ion:142 Resp: 922335

Ion Ratio Lower Upper

142 100

141 86.4 69.3 103.9

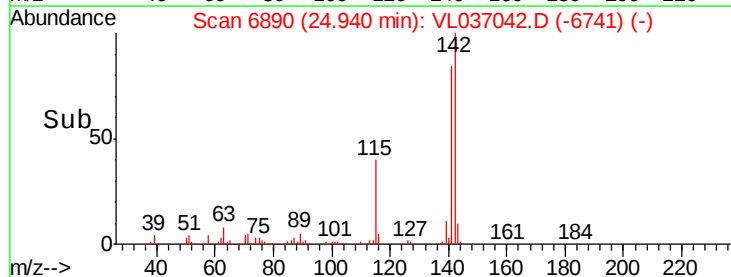
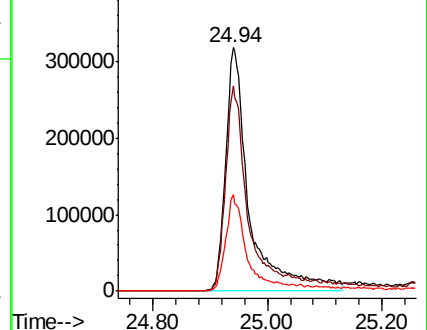
115 37.6 29.1 43.7

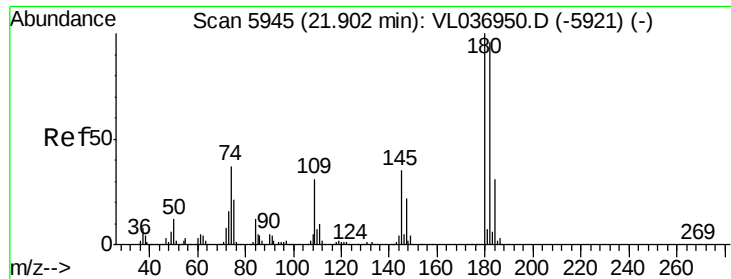


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

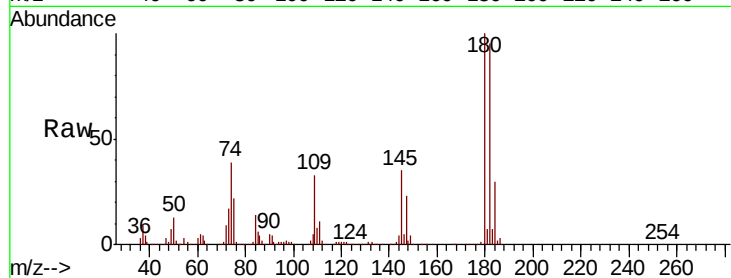




#81
 1,2,4-Trichlorobenzene
 Concen: 8.364 ppbv
 RT: 21.88 min Scan# 5938
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1980566
 Ion Ratio Lower Upper
 180 100
 182 101.4 81.7 122.5
 184 31.7 24.9 37.3



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

