

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037055.D
 Acq On : 25 May 2021 9:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 26 01:10:17 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	5.65	49	1217399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3680004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4437081	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2583414	7.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2020747	9.785	ppbv	100
3) Chlorodifluoromethane	2.97	51	2528818	11.338	ppbv	97
4) Chloromethane	3.12	50	867950	11.436	ppbv	98
5) Vinyl Chloride	3.24	62	933686	11.255	ppbv	99
6) Bromomethane	3.46	94	515277	11.788	ppbv	95
7) Chloroethane	3.54	64	342570	12.718	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2300798	11.865	ppbv	96
9) Propene	3.00	41	828048	10.368	ppbv	98
10) Heptane	8.10	43	2114583	10.624	ppbv	99
11) Trichlorofluoromethane	3.93	101	2449172	12.812	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1716435	12.606	ppbv	97
13) Ethanol	3.60	45	47029	4.414	ppbv #	13
14) Bromoethene	3.72	108	738479	12.313	ppbv	99
15) Acetone	3.84	43	1229595	9.861	ppbv	96
16) 1,3-Butadiene	3.31	39	920310	11.880	ppbv	97
17) tert-Butyl alcohol	4.28	59	1351286	11.831	ppbv	98
18) 1,1-Dichloroethene	4.27	96	760947	12.086	ppbv	94
19) Isopropyl Alcohol	3.95	45	820595	12.242	ppbv #	33
20) Methylene Chloride	4.33	84	662830	9.916	ppbv	96
21) Allyl Chloride	4.39	41	1066797	11.341	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	764292	12.666	ppbv	99
23) Vinyl Acetate	5.06	43	2215129	11.192	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1693176	11.885	ppbv	99
25) Ethyl Acetate	5.66	43	3283113	10.957	ppbv	99
26) Hexane	5.67	57	1593322	10.409	ppbv	99
27) Carbon Disulfide	4.53	76	1770366	11.476	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2031197	11.070	ppbv	98
29) Chloroform	5.73	83	2570391	11.886	ppbv	96
30) Cyclohexane	7.11	84	1424307	10.950	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1570662	11.445	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2665048	11.476	ppbv	98
34) 2-Butanone	5.23	43	1525739	11.386	ppbv	100
35) Carbon Tetrachloride	7.00	117	2831103	11.579	ppbv	100
36) Benzene	6.87	78	3305584	10.428	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1940818	12.350	ppbv	99
38) Trichloroethene	7.82	130	1422644	10.492	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1267599	10.381	ppbv	98
40) 1,4-Dioxane	7.82	88	285755	9.911	ppbv #	100
41) Tetrahydrofuran	6.03	42	767635	10.058	ppbv	98
42) Bromodichloromethane	7.77	83	2748910	11.562	ppbv	99
43) Methyl Methacrylate	7.99	69	1214717	11.119	ppbv	99

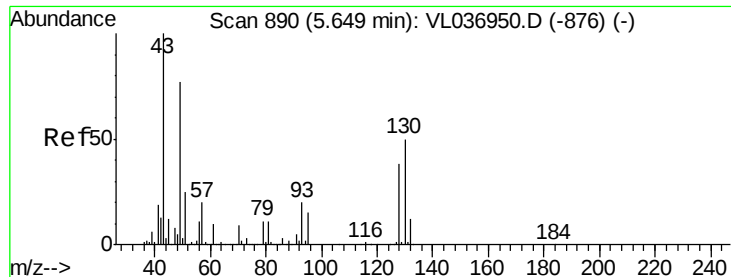
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5473795	10.065	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	939032	11.250	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1227399	10.933	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1405477	10.998	ppbv	95
48) Dibromochloromethane	10.28	129	2529303	12.223	ppbv	100
49) Bromoform	13.02	173	2093851	12.252	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2384669	10.785	ppbv	98
51) 2-Hexanone	10.12	43	1281829	10.966	ppbv #	95
52) Tetrachloroethene	11.20	164	1362769	10.812	ppbv	97
53) Toluene	9.79	91	3987497	10.572	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2095450	11.533	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1720057	9.213	ppbv #	56
57) Chlorobenzene	12.13	112	3029422	8.805	ppbv	99
58) Ethyl Benzene	12.69	91	5310913	8.481	ppbv	100
59) m/p-Xylene	12.97	91	4654190	8.991	ppbv #	37
60) o-Xylene	13.67	91	4265520	8.640	ppbv	99
61) Styrene	13.51	104	2484251	8.932	ppbv	98
62) Isopropylbenzene	14.65	105	6048306	8.524	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2885928	7.827	ppbv	99
64) n-propylbenzene	15.54	120	1639054	8.953	ppbv	98
65) tert-Butylbenzene	16.72	119	5543683	8.659	ppbv	99
66) Benzyl Chloride	16.97	91	238966	6.727	ppbv	100
67) sec-Butylbenzene	17.28	105	7436249	8.514	ppbv	100
69) p-Isopropyltoluene	17.63	119	6610313	8.802	ppbv	99
70) n-Butylbenzene	18.53	91	6372932	8.933	ppbv	99
71) 2-Chlorotoluene	15.43	91	4416046	8.617	ppbv	98
72) 4-Ethyltoluene	15.82	105	5305170	9.054	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4846886	8.808	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5045902	8.869	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3136777	9.029	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	3106731	8.844	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3054595	8.775	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2229679	7.965	ppbv	99
79) Naphthalene	22.17	128	4415902	9.892	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1092141	11.251	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2532251	9.305	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010

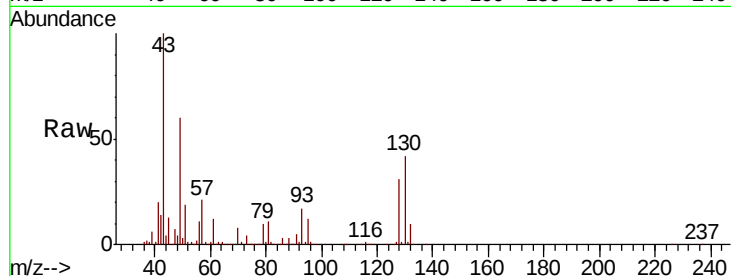
Tot Ion: 49 Resp: 1217399

Ion Ratio Lower Upper

49 100

128 59.2 26.9 80.7

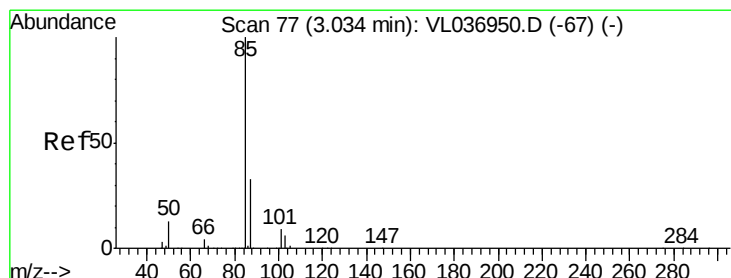
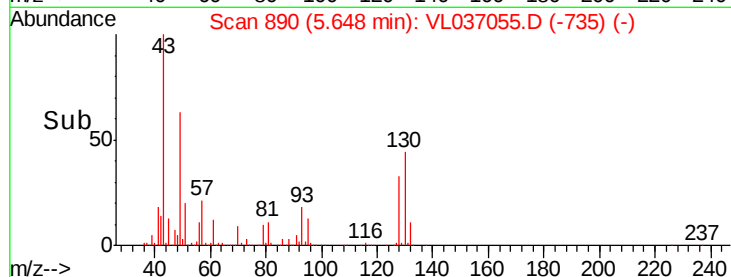
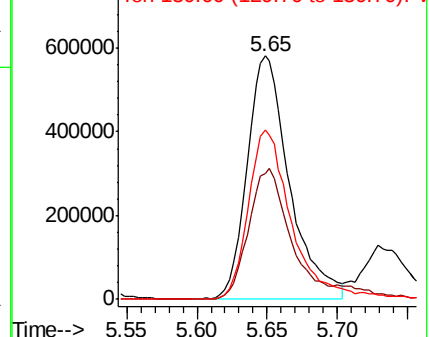
130 72.7 33.8 101.4



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: 9.785 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037055.D

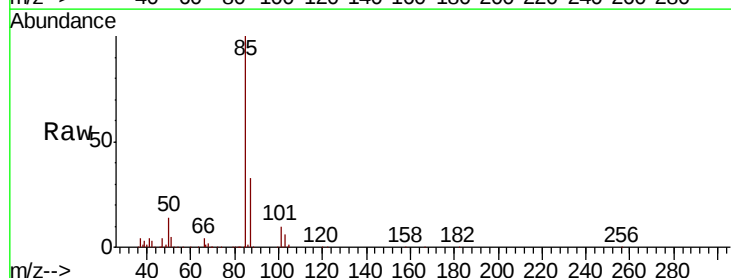
Acq: 25 May 2021 9:21

Tgt Ion: 85 Resp: 2020747

Ion Ratio Lower Upper

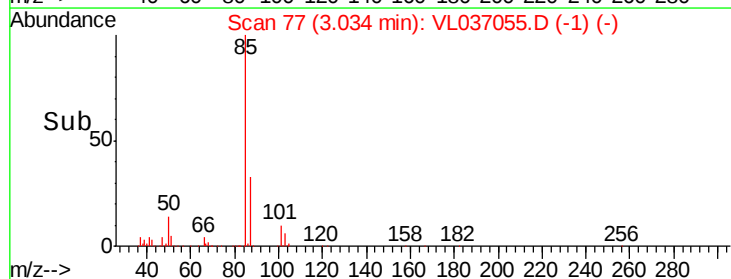
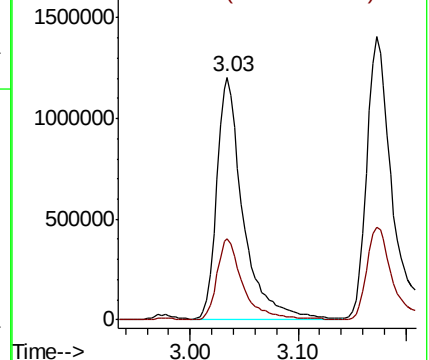
85 100

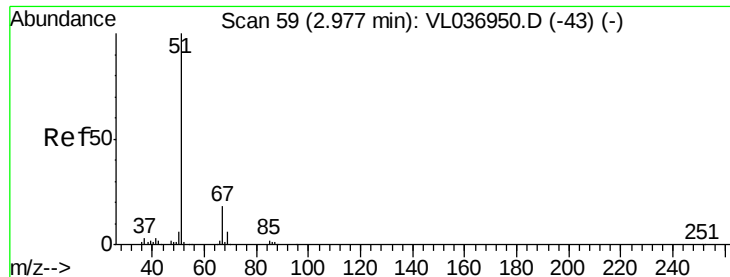
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.338 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

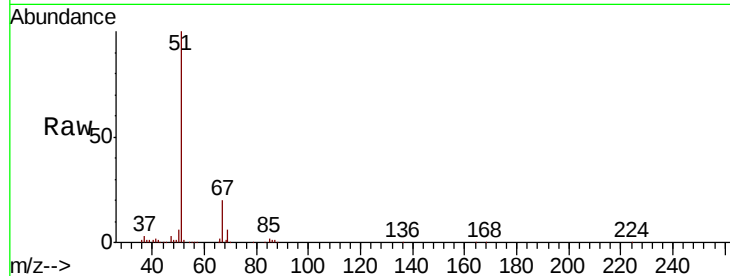
VSTDCCC010

Tot Ion: 51 Resp: 2528818

Ion Ratio Lower Upper

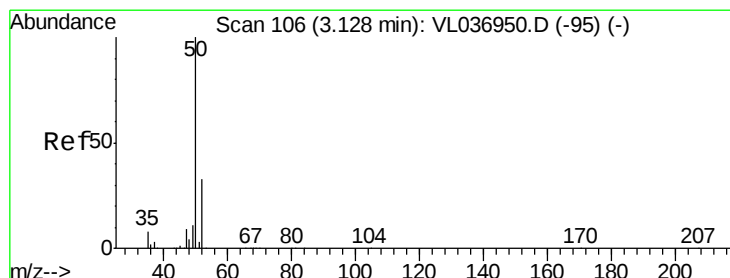
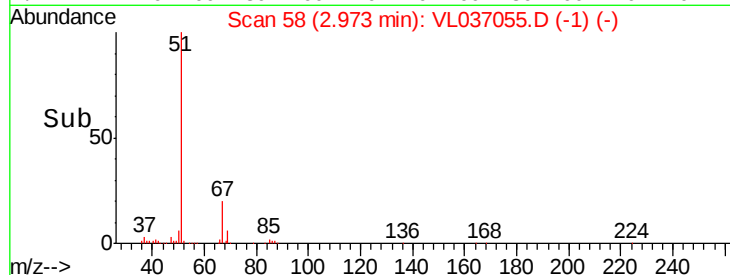
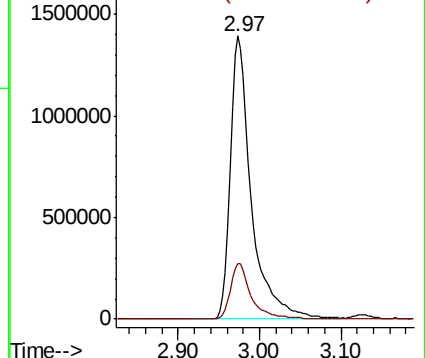
51 100

67 19.7 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.436 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037055.D

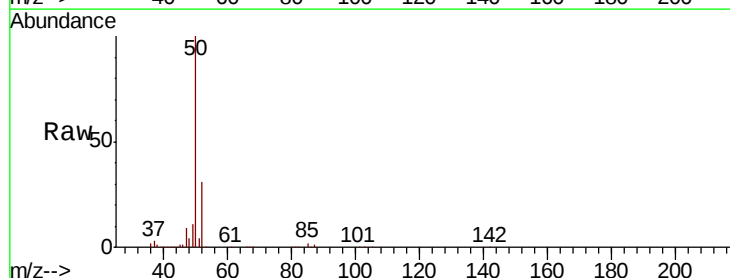
Acq: 25 May 2021 9:21

Tgt Ion: 50 Resp: 867950

Ion Ratio Lower Upper

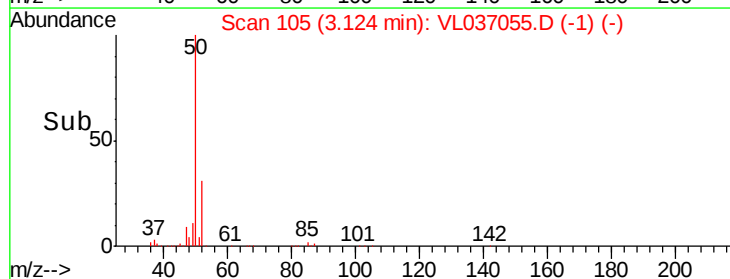
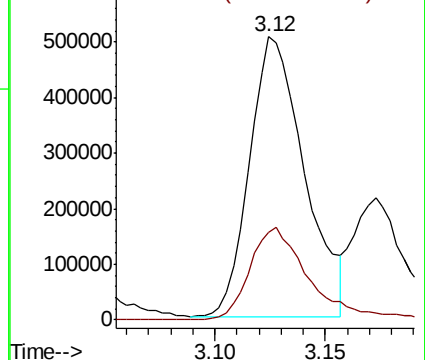
50 100

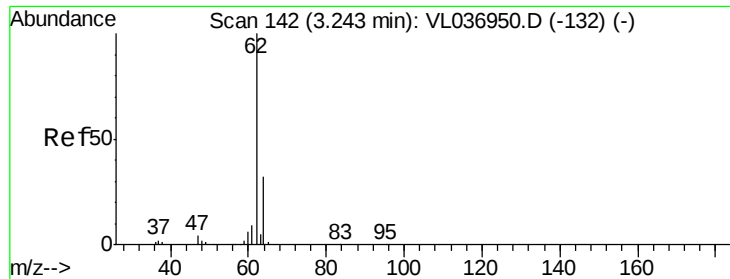
52 31.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.255 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

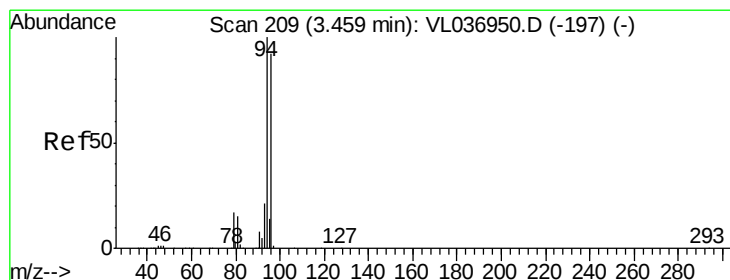
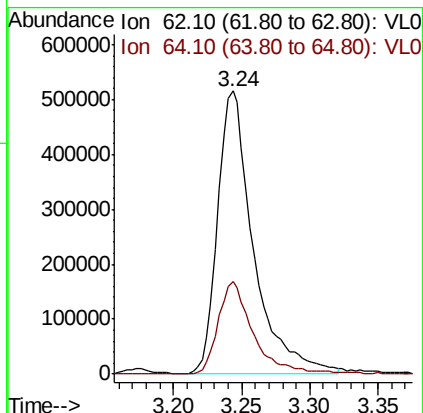
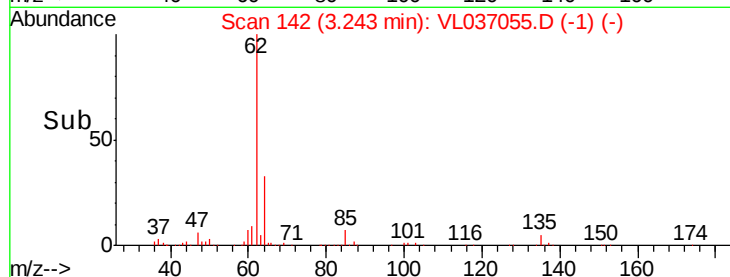
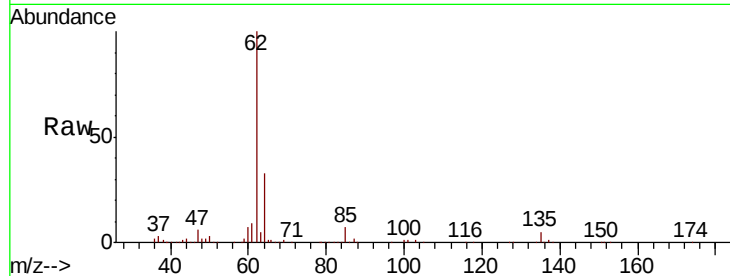
VSTDCCC010

Tot Ion: 62 Resp: 933686

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9



#6

Bromomethane

Concen: 11.788 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037055.D

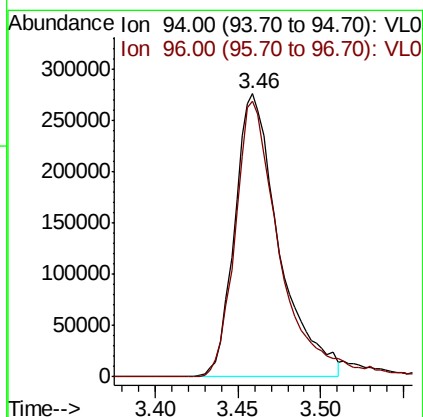
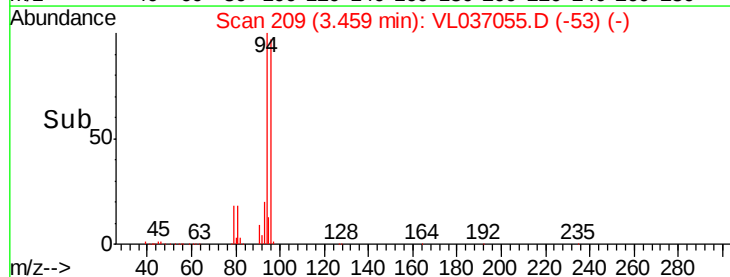
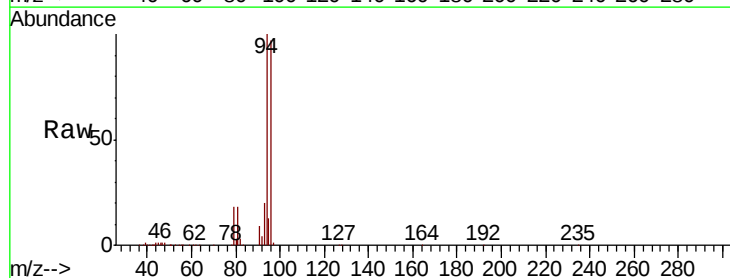
Acq: 25 May 2021 9:21

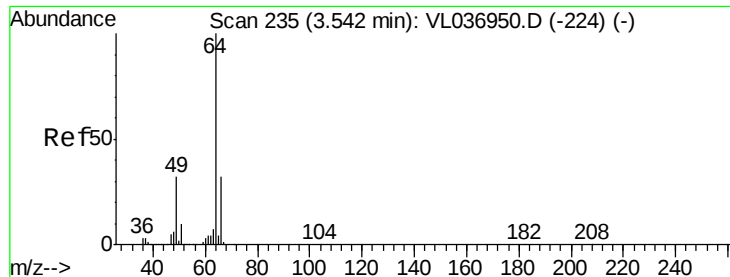
Tgt Ion: 94 Resp: 515277

Ion Ratio Lower Upper

94 100

96 97.5 74.0 111.0





#7

Chloroethane

Concen: 12.718 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

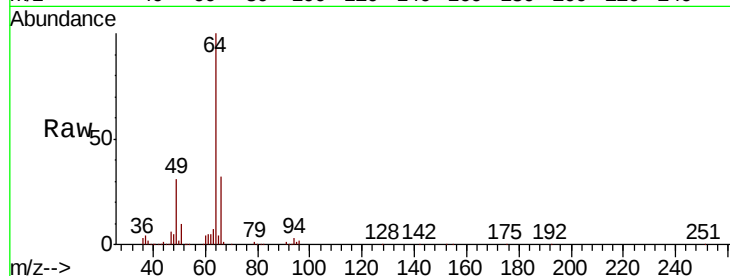
VSTDCCC010

Tot Ion: 64 Resp: 342570

Ion Ratio Lower Upper

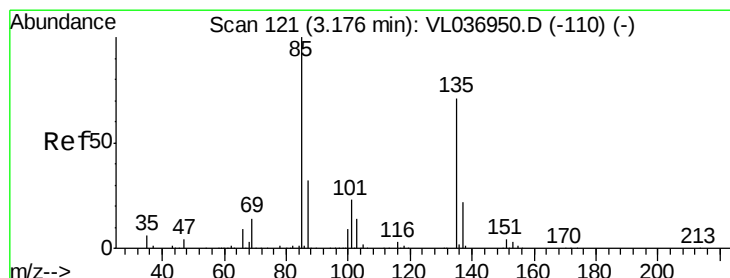
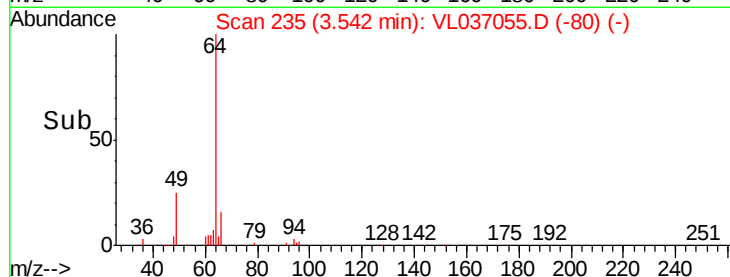
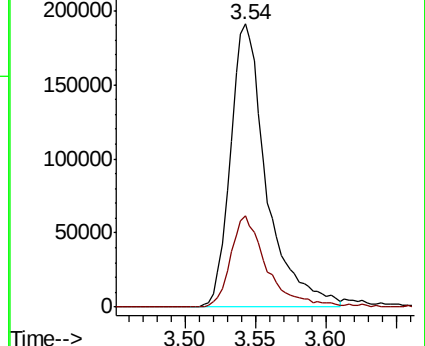
64 100

66 32.4 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.865 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037055.D

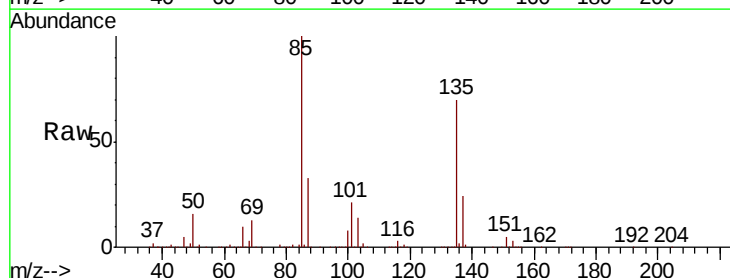
Acq: 25 May 2021 9:21

Tgt Ion: 85 Resp: 2300798

Ion Ratio Lower Upper

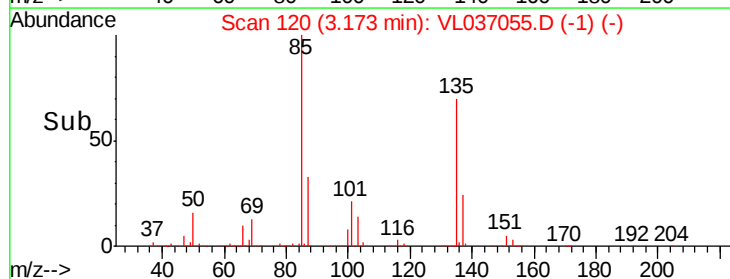
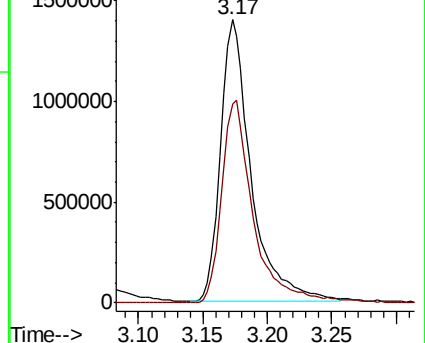
85 100

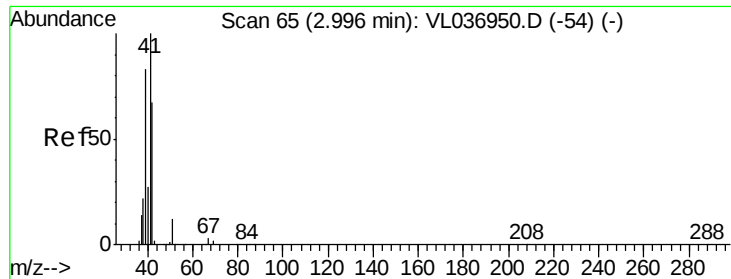
135 75.4 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.368 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

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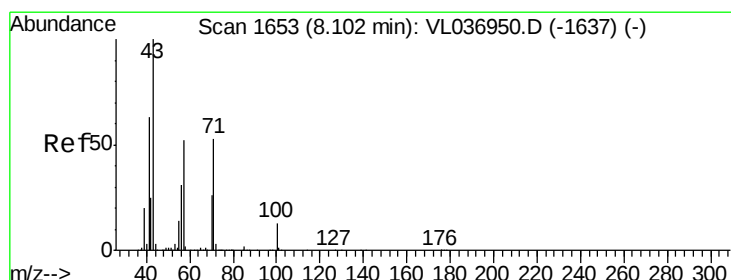
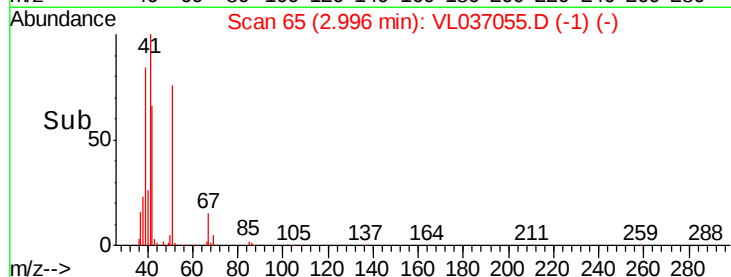
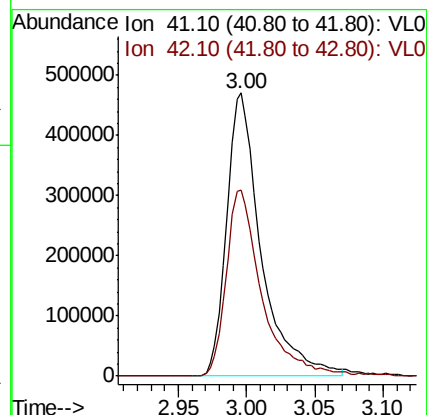
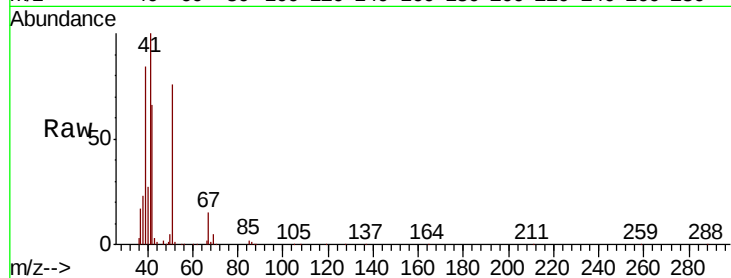
VSTDCCC010

Tot Ion: 41 Resp: 828048

Ion Ratio Lower Upper

41 100

42 68.6 53.9 80.9



#10

Heptane

Concen: 10.624 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037055.D

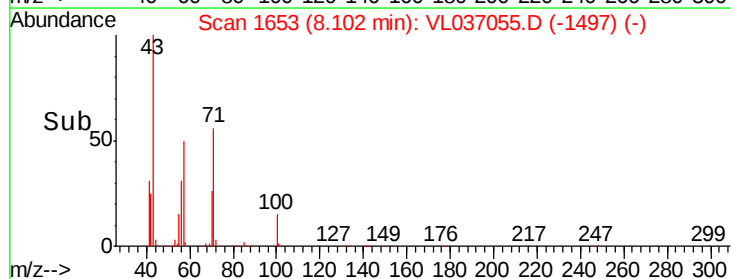
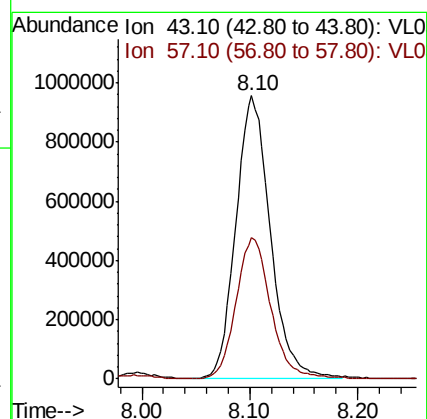
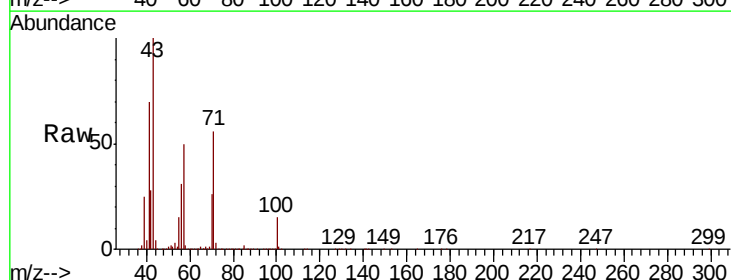
Acq: 25 May 2021 9:21

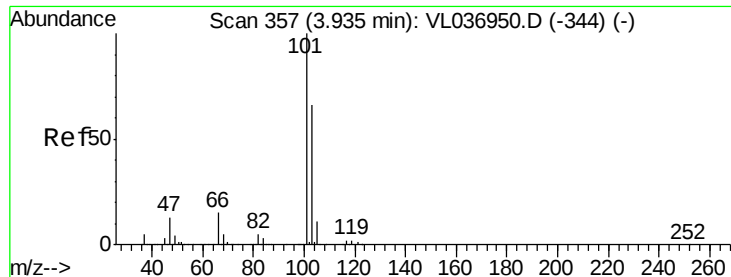
Tgt Ion: 43 Resp: 2114583

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6

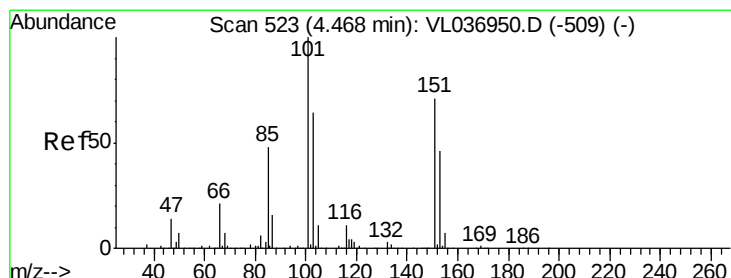
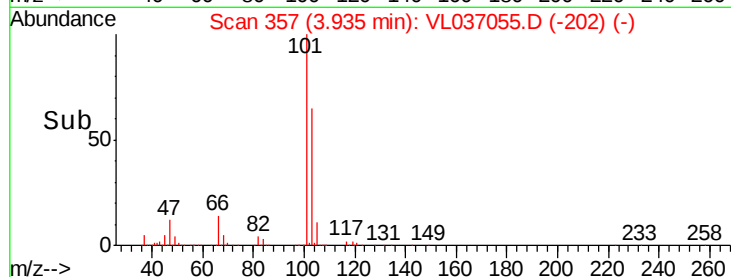
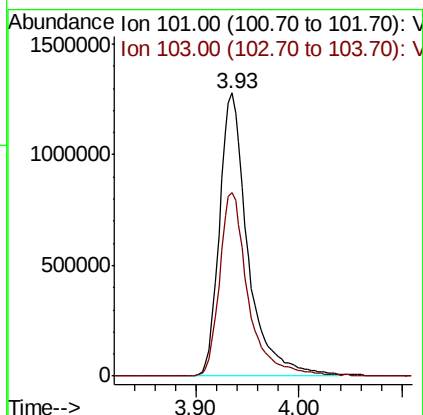
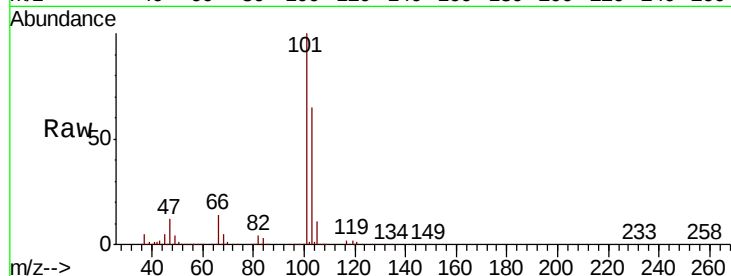




#11
 Trichlorofluoromethane
 Concen: 12.812 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

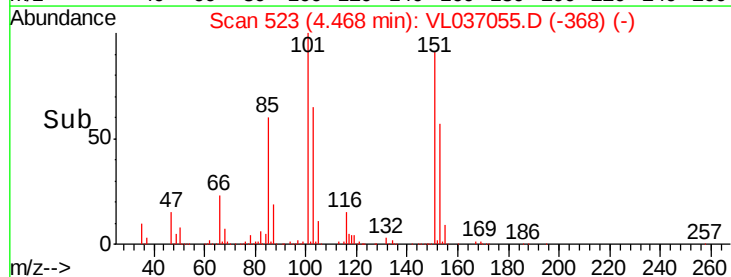
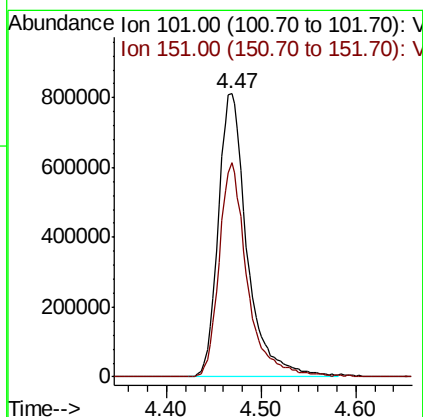
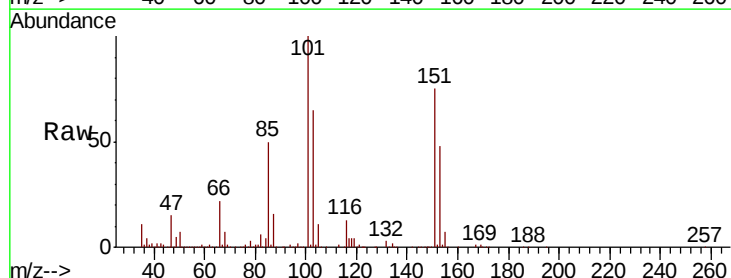
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

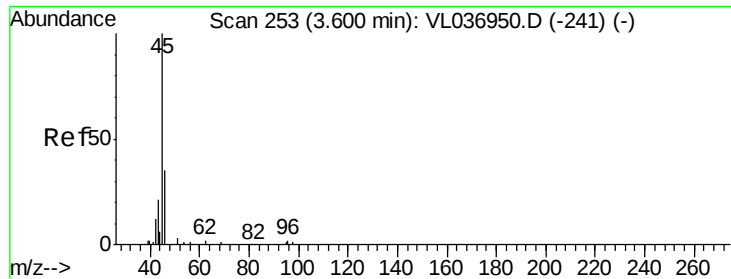
Tot Ion:101 Resp: 2449172
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.606 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion:101 Resp: 1716435
 Ion Ratio Lower Upper
 101 100
 151 74.3 57.7 86.5





#13

Ethanol

Concen: 4.414 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

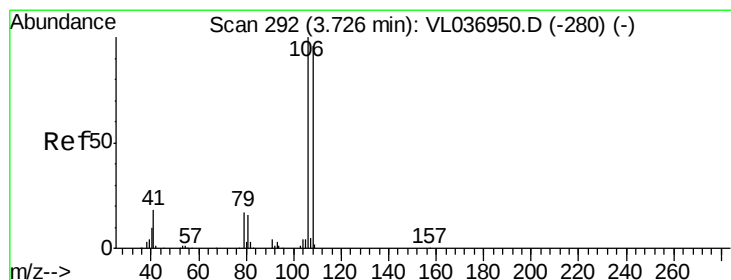
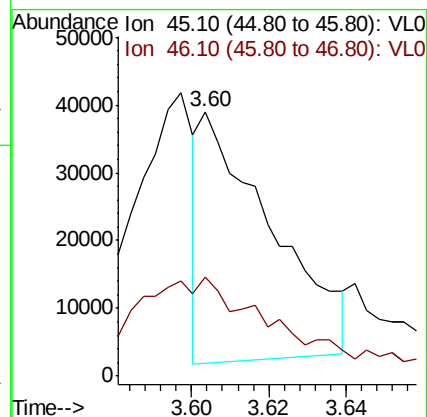
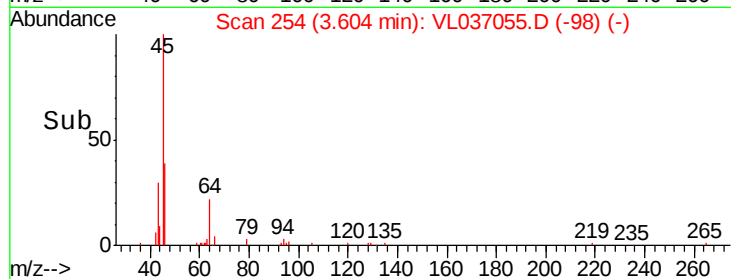
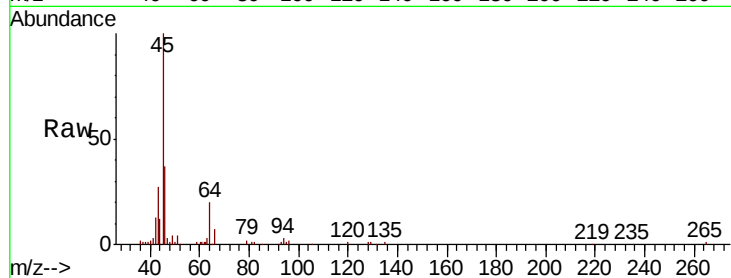
VSTDCCC010

Tot Ion: 45 Resp: 47029

Ion Ratio Lower Upper

45 100

46 94.8 16.3 65.3#



#14

Bromoethene

Concen: 12.313 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

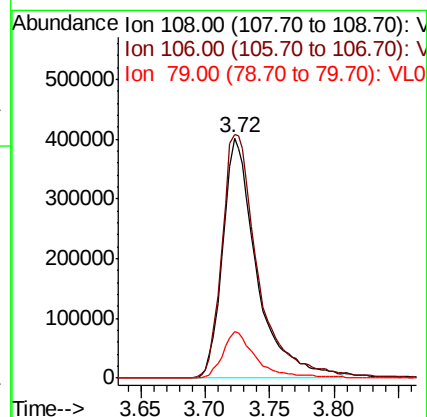
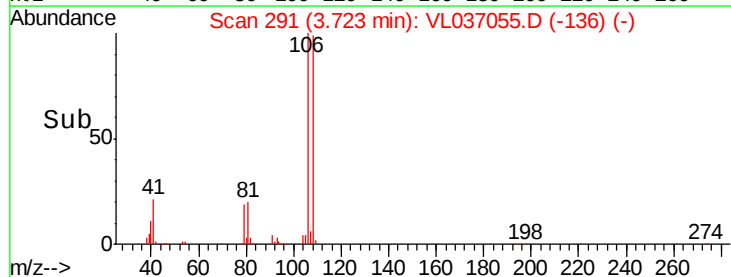
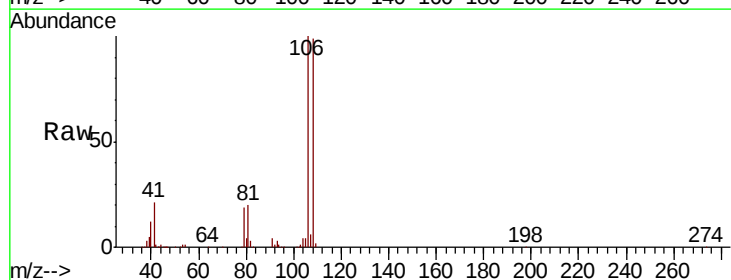
Tgt Ion: 108 Resp: 738479

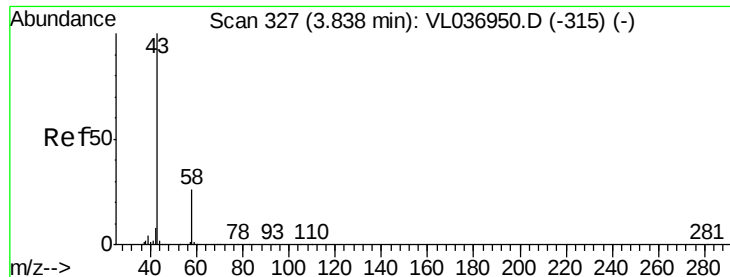
Ion Ratio Lower Upper

108 100

106 108.7 86.5 129.7

79 19.6 15.0 22.4





#15

Acetone

Concen: 9.861 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

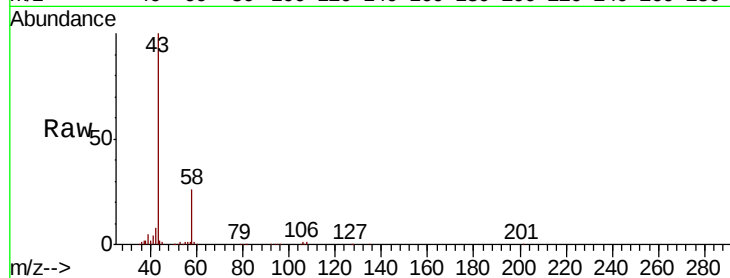
VSTDCCC010

Tot Ion: 43 Resp: 1229595

Ion Ratio Lower Upper

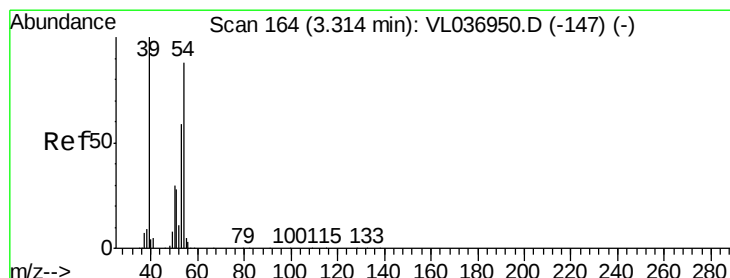
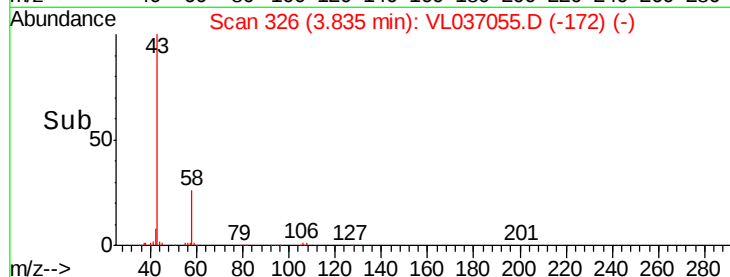
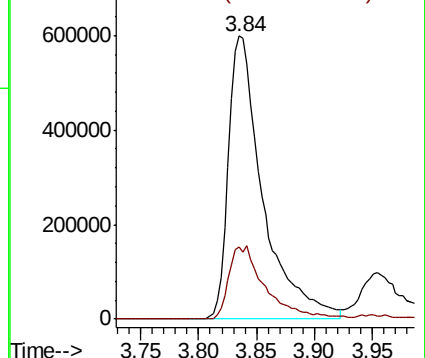
43 100

58 28.0 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: 11.880 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL037055.D

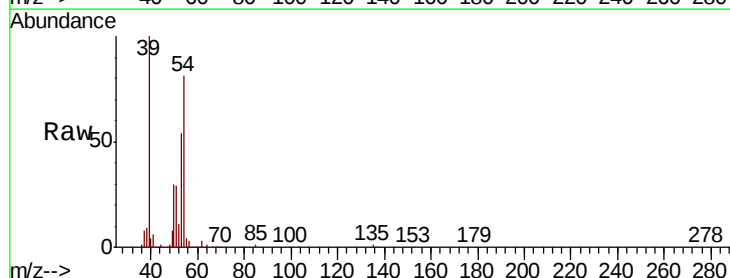
Acq: 25 May 2021 9:21

Tgt Ion: 39 Resp: 920310

Ion Ratio Lower Upper

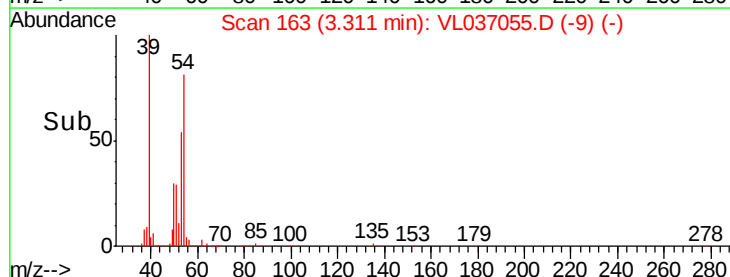
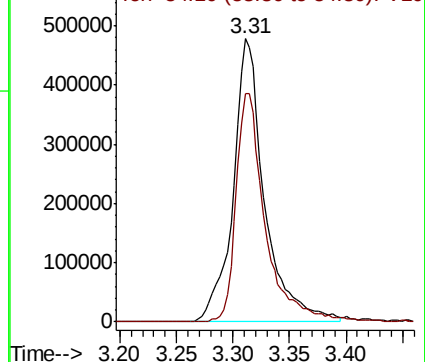
39 100

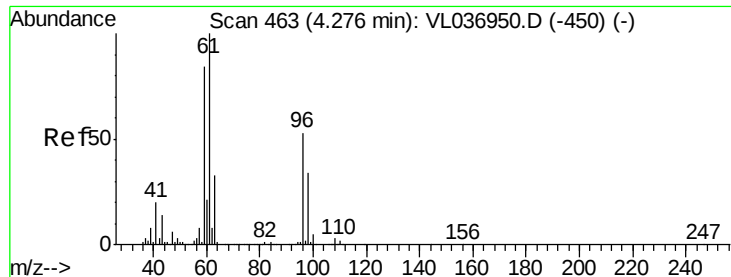
54 76.1 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



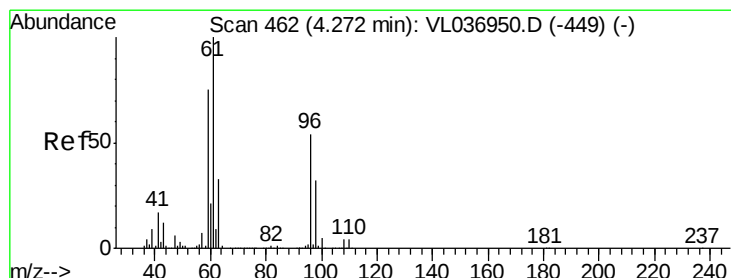
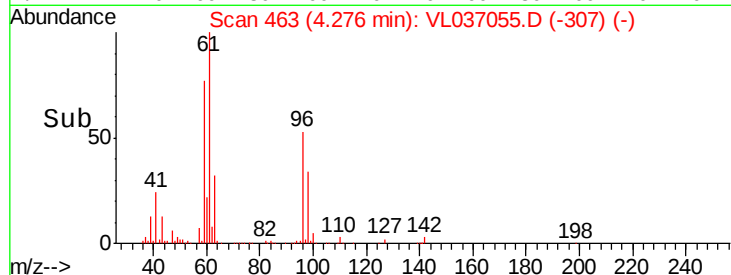
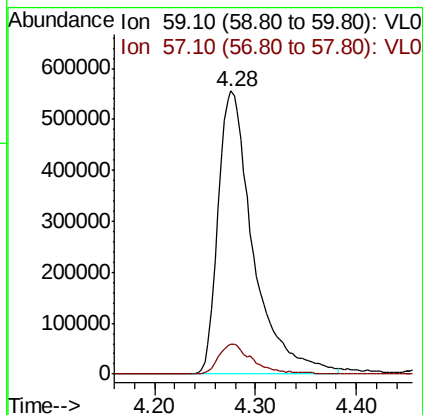
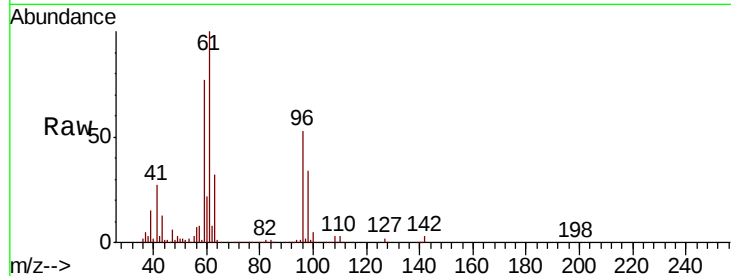


#17

tert-Butyl alcohol
 Concen: 11.831 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

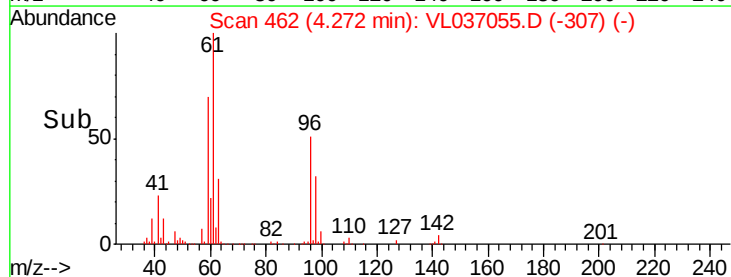
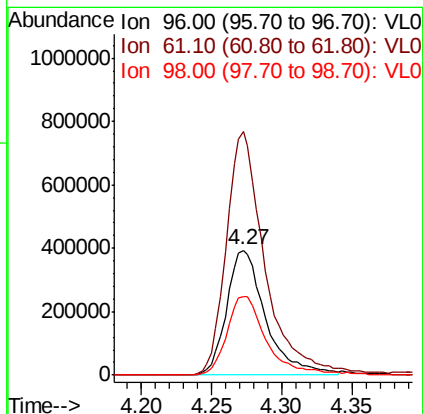
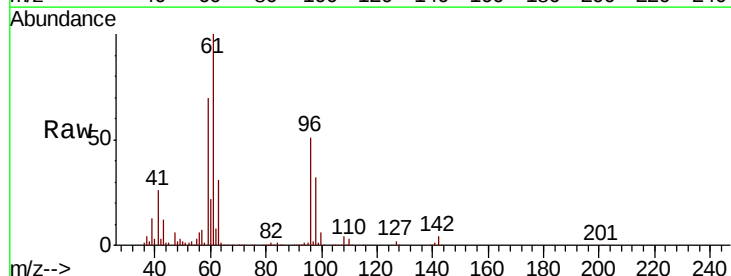
Tot Ion: 59 Resp: 1351286
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

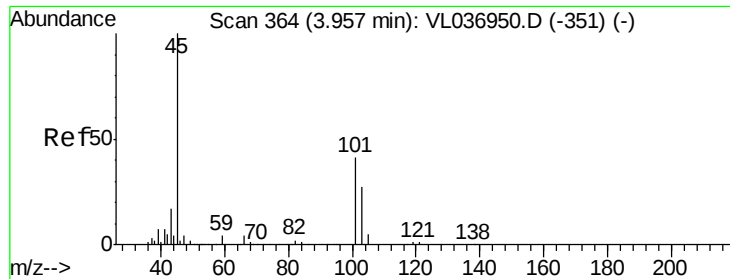


#18

1,1-Dichloroethene
 Concen: 12.086 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 96 Resp: 760947
 Ion Ratio Lower Upper
 96 100
 61 194.8 148.2 222.4
 98 63.1 47.8 71.6





#19

Isopropyl Alcohol

Concen: 12.242 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

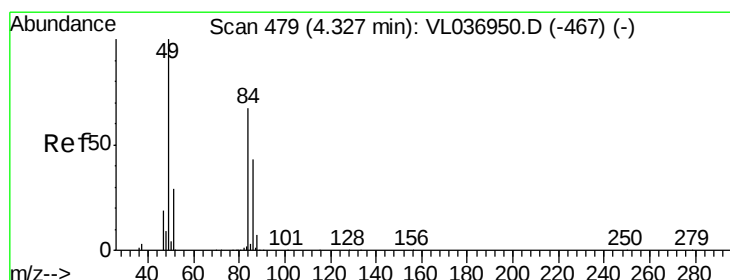
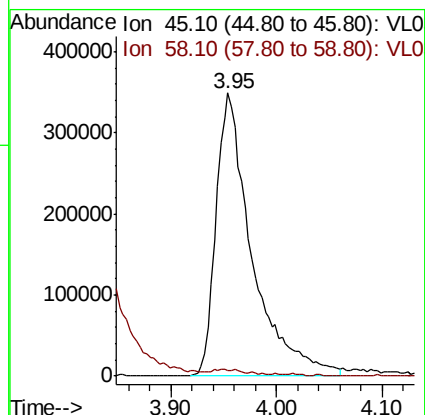
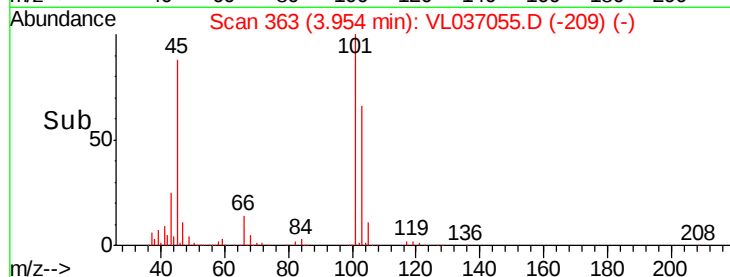
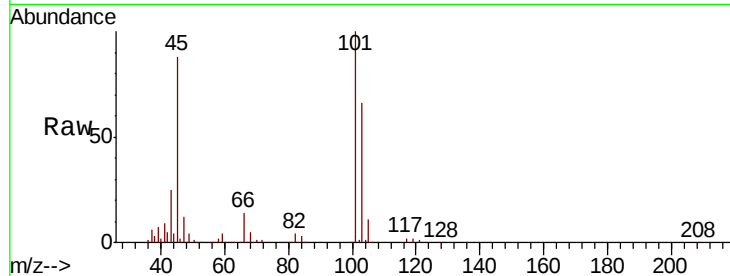
VSTDCCC010

Tot Ion: 45 Resp: 820595

Ion Ratio Lower Upper

45 100

58 1.8 37.2 55.8#



#20

Methylene Chloride

Concen: 9.916 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion: 84 Resp: 662830

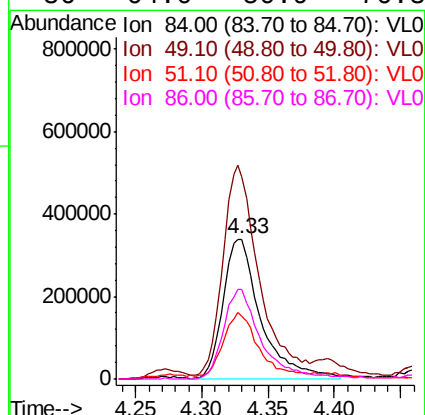
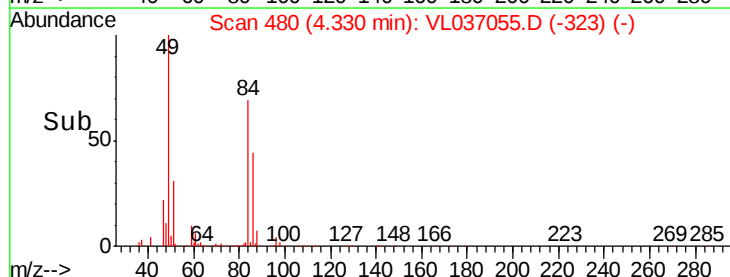
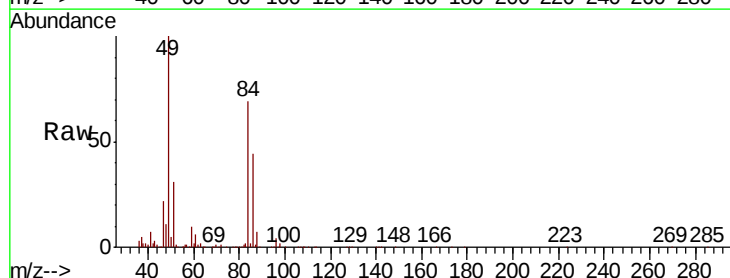
Ion Ratio Lower Upper

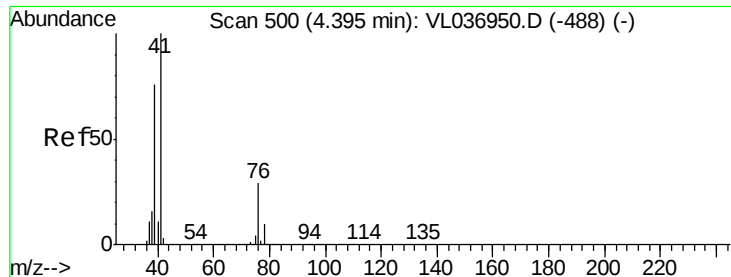
84 100

49 142.7 119.8 179.6

51 43.1 35.1 52.7

86 64.0 50.9 76.3





#21

Allvl Chloride

Concen: 11.341 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

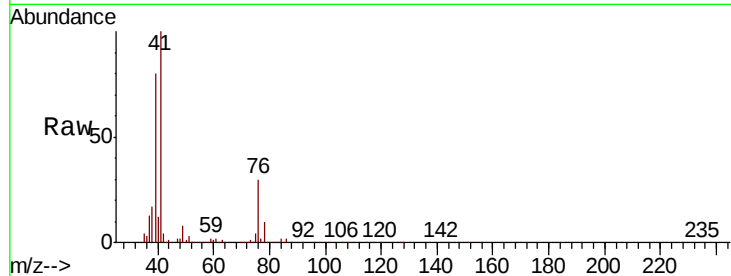
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 1066797

Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.9	37.3
39	83.9	63.7	95.5

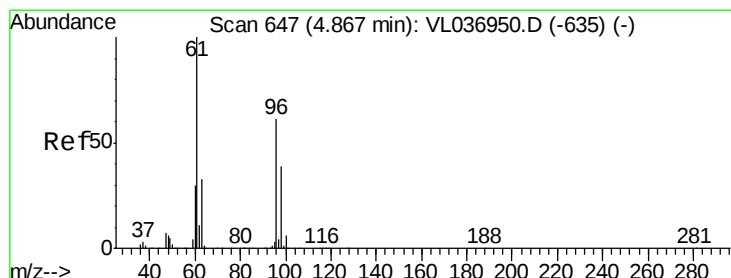
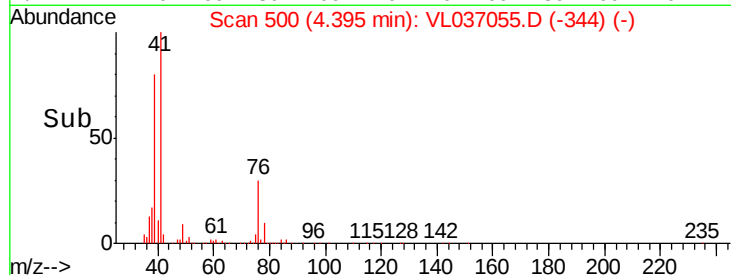
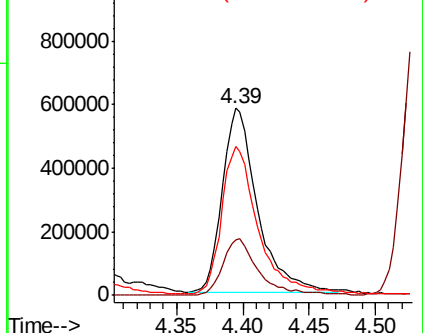


Abundance

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: 12.666 ppbv

RT: 4.87 min Scan# 647

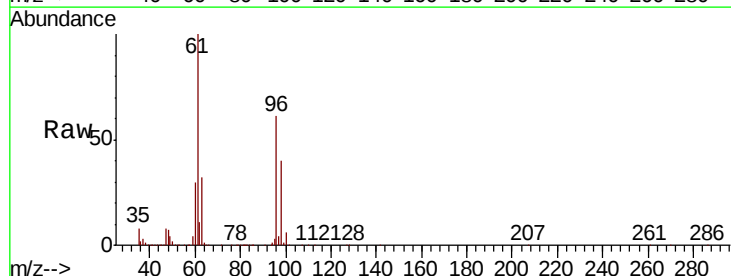
Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion: 96 Resp: 764292

Ion	Ratio	Lower	Upper
96	100		
61	163.4	130.6	196.0
98	65.3	50.8	76.2

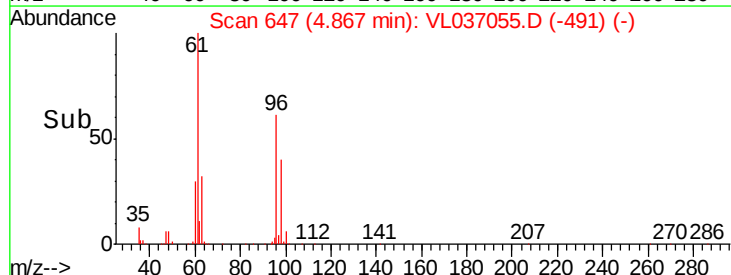
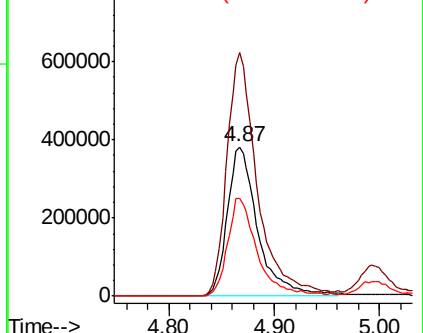


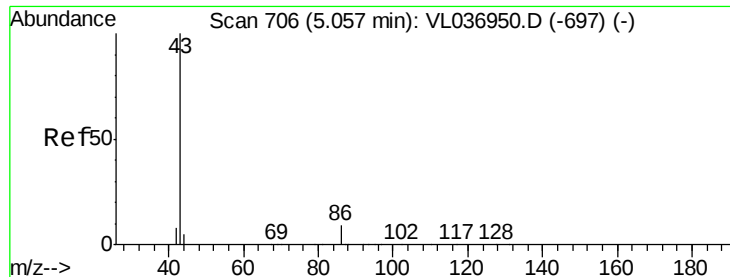
Abundance

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



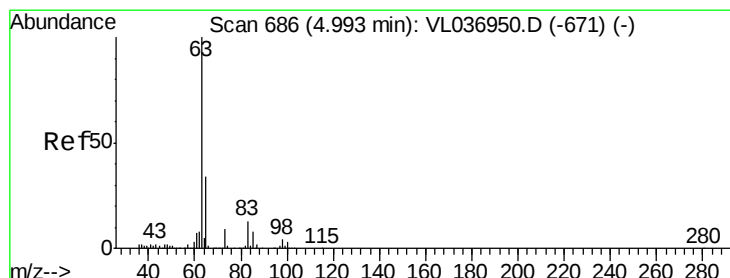
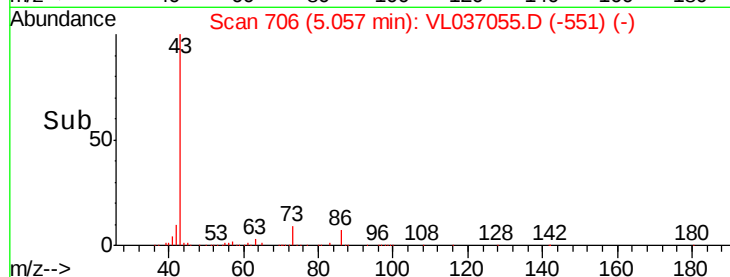
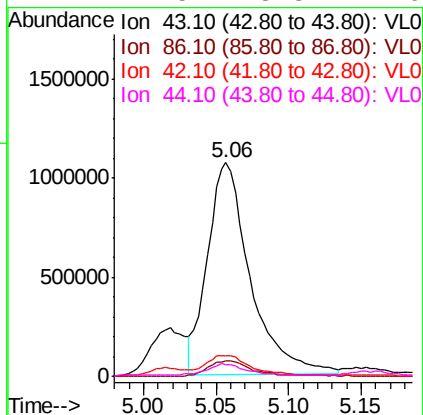
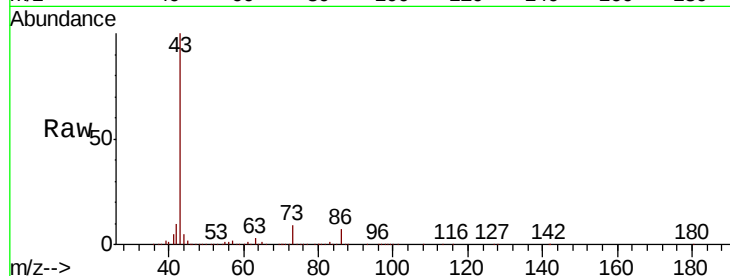


#23
 Vinyl Acetate
 Concen: 11.192 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 2215129

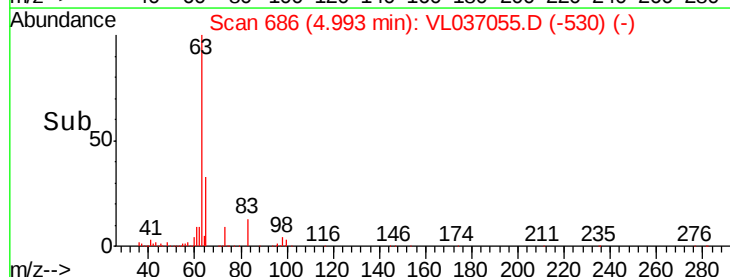
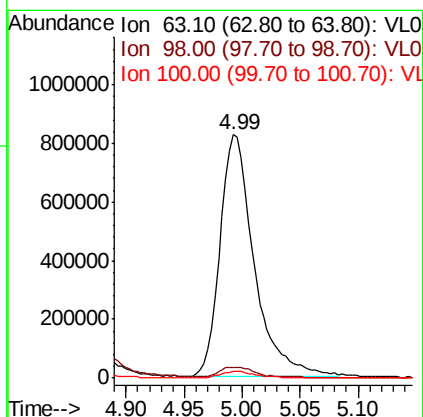
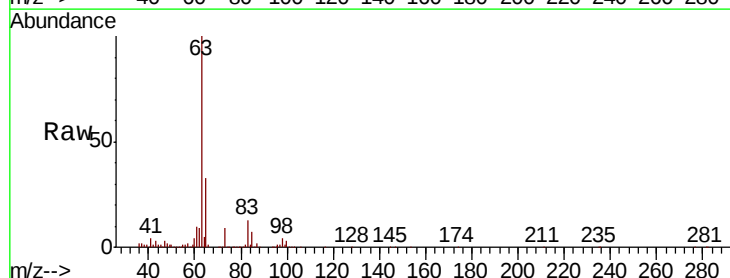
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.5	7.4	11.2
44	4.5	3.3	4.9

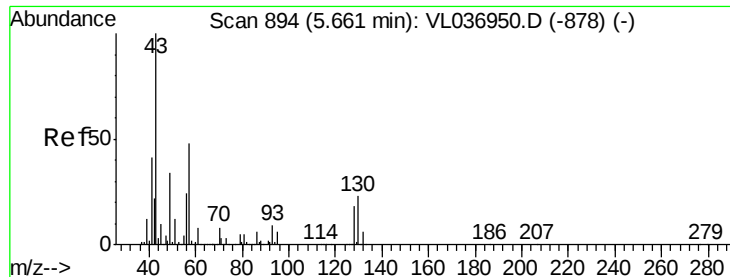


#24
 1,1-Dichloroethane
 Concen: 11.885 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 63 Resp: 1693176

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.6	1.4	4.0

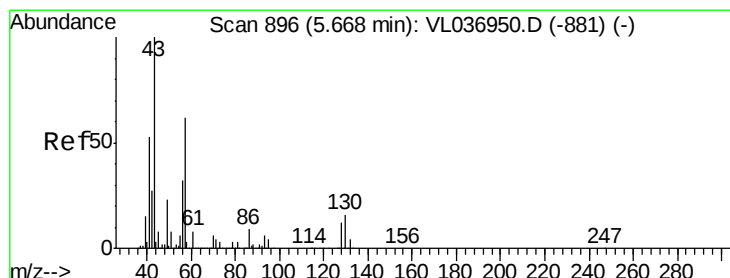
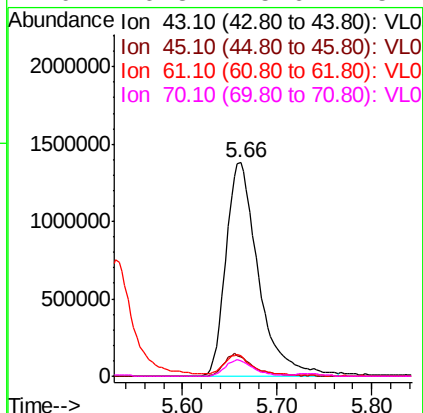
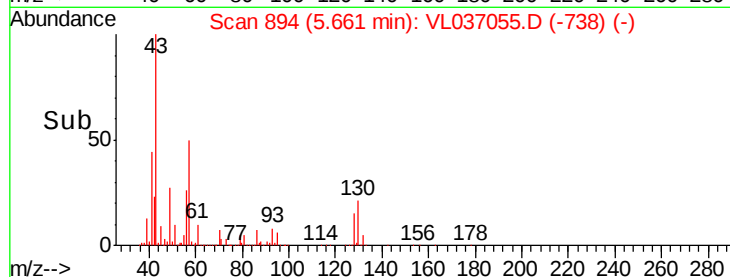
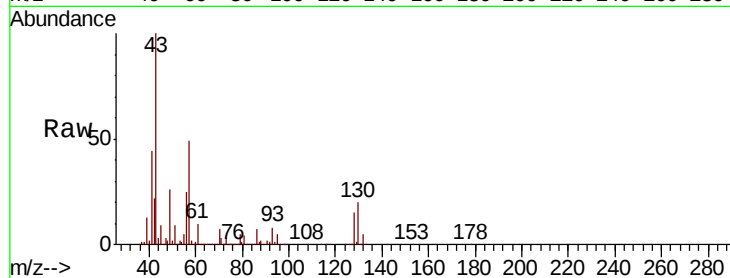




#25
Ethyl Acetate
Concen: 10.957 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

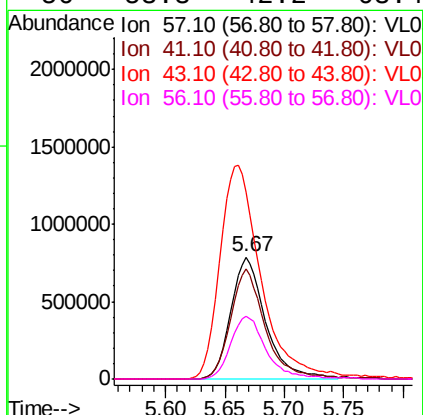
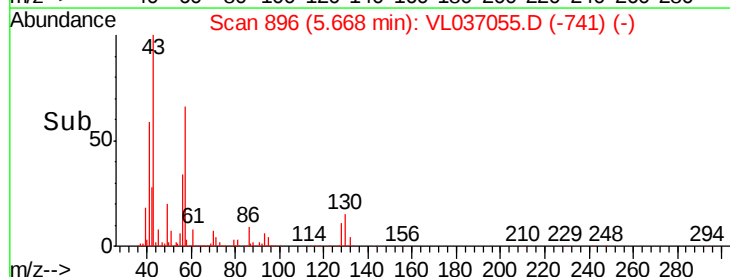
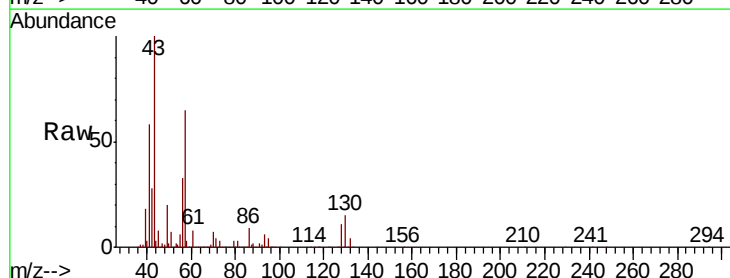
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

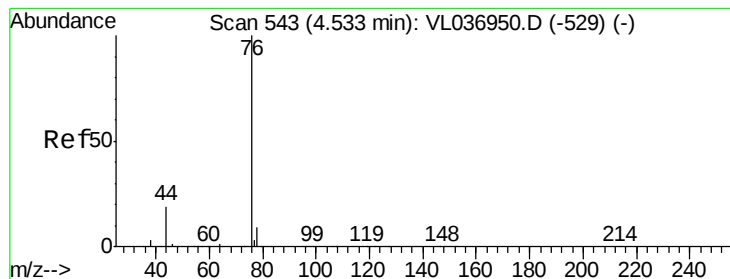
Tot Ion:	43	Resp:	3283113
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.4	7.8	11.8
70	6.8	5.6	8.4



#26
Hexane
Concen: 10.409 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion:	57	Resp:	1593322
Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.5	105.7
43	208.6	165.8	248.8
56	53.3	42.2	63.4





#27

Carbon Disulfide

Concen: 11.476 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

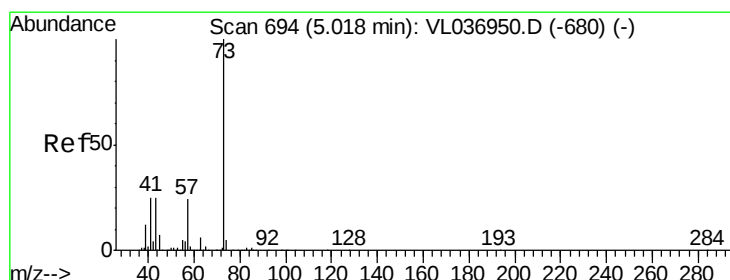
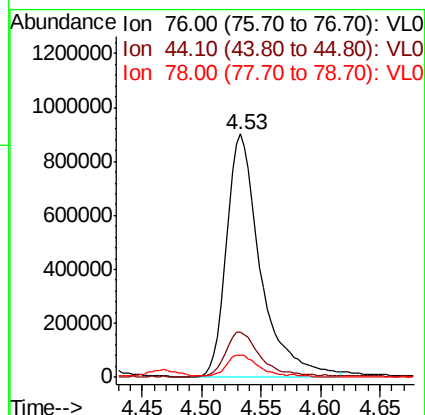
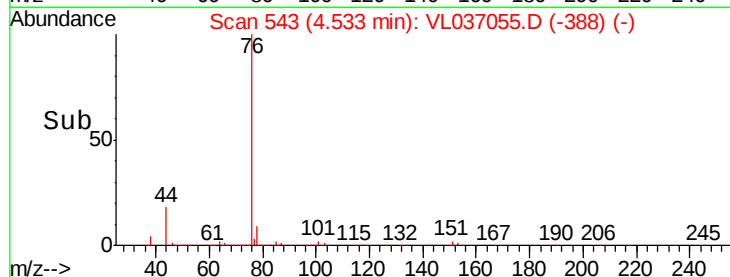
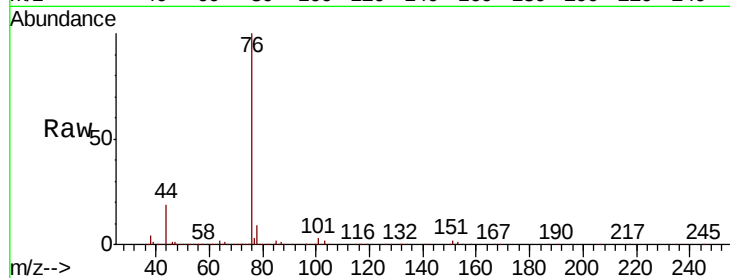
Tot Ion: 76 Resp: 1770366

Ion Ratio Lower Upper

76 100

44 20.0 15.5 23.3

78 9.9 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 11.070 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037055.D

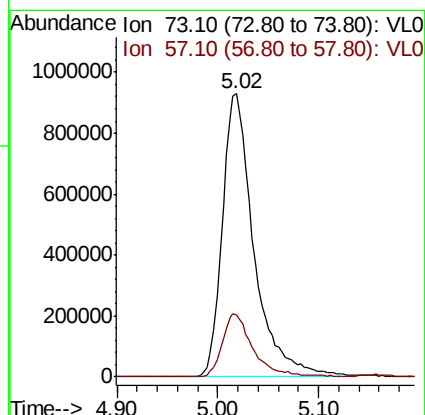
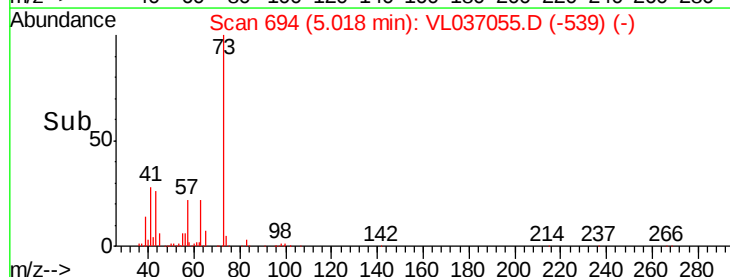
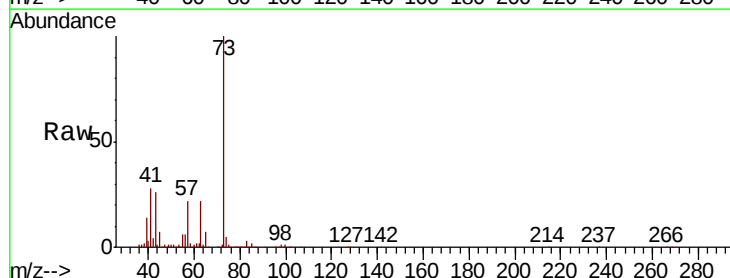
Acq: 25 May 2021 9:21

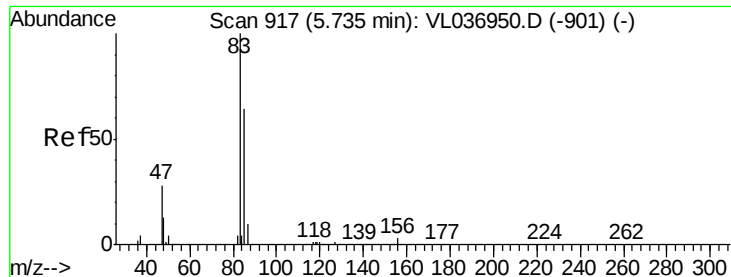
Tgt Ion: 73 Resp: 2031197

Ion Ratio Lower Upper

73 100

57 21.7 18.3 27.5





#29

Chloroform

Concen: 11.886 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

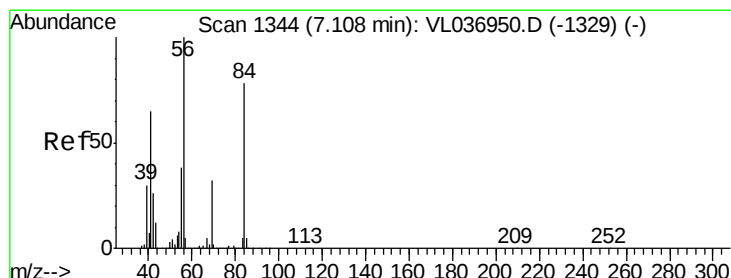
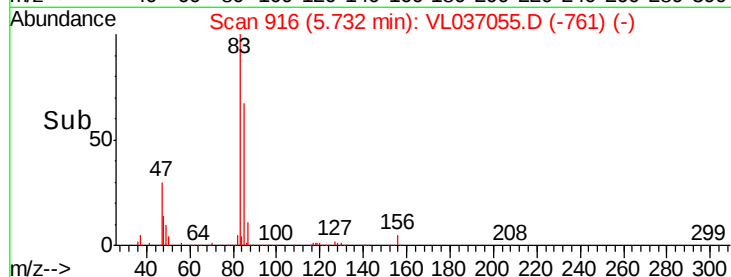
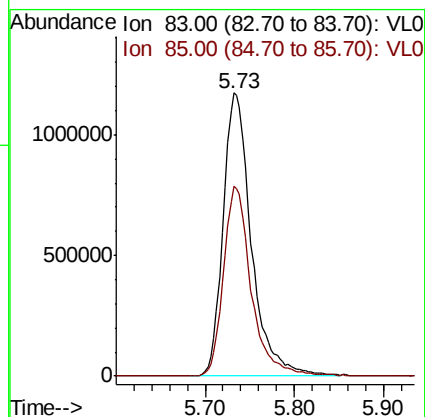
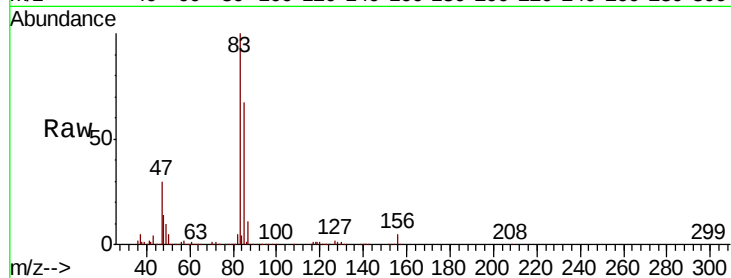
VSTDCCC010

Tot Ion: 83 Resp: 2570391

Ion Ratio Lower Upper

83 100

85 66.9 51.1 76.7



#30

Cyclohexane

Concen: 10.950 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

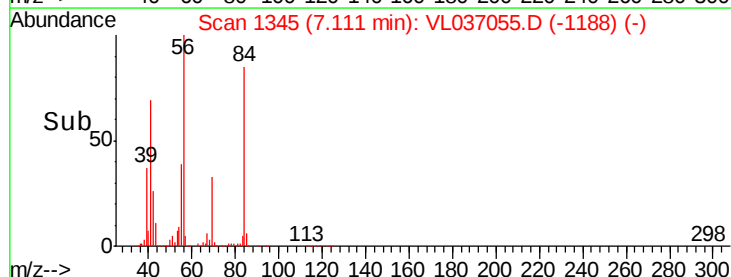
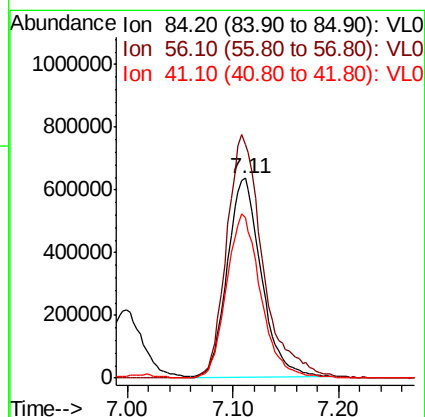
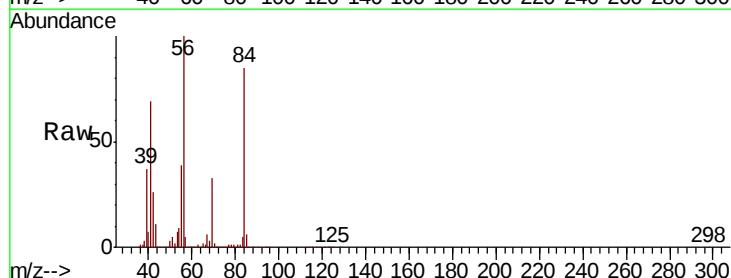
Tgt Ion: 84 Resp: 1424307

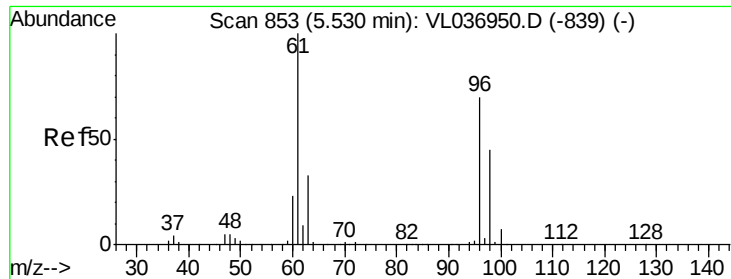
Ion Ratio Lower Upper

84 100

56 130.5 107.9 161.9

41 83.4 65.5 98.3



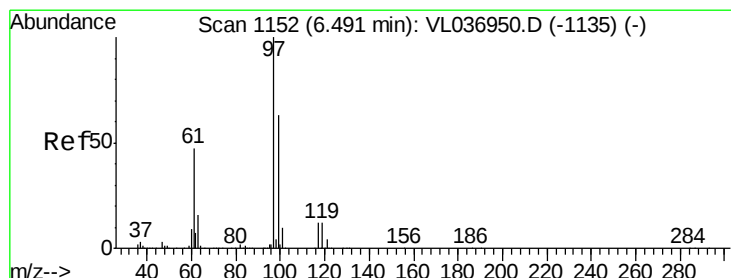
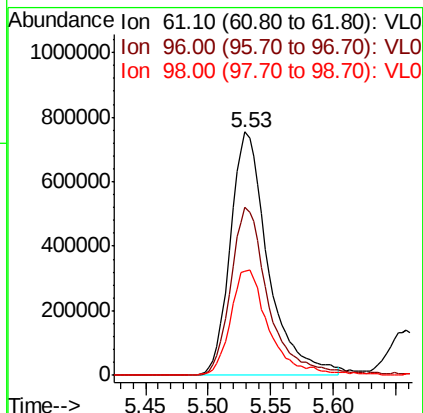
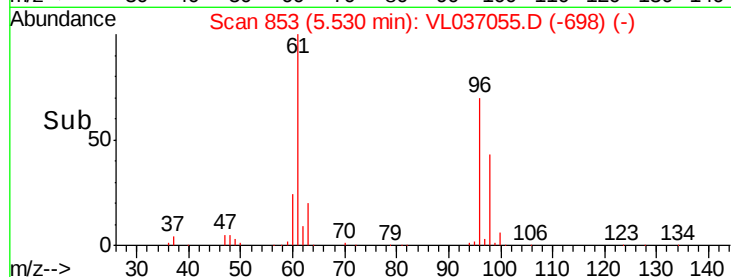
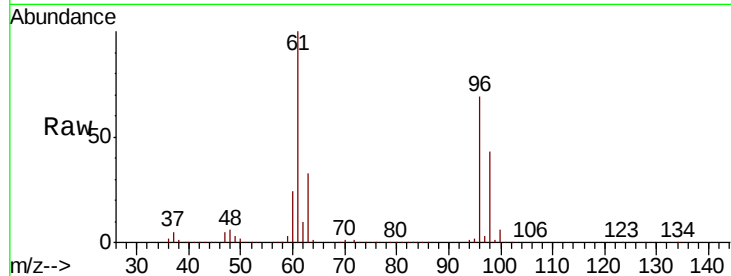


#31

cis-1,2-Dichloroethene
Concen: 11.445 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

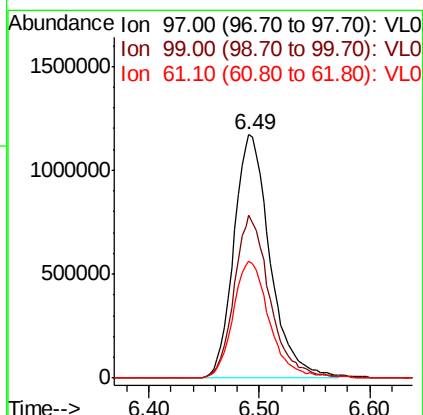
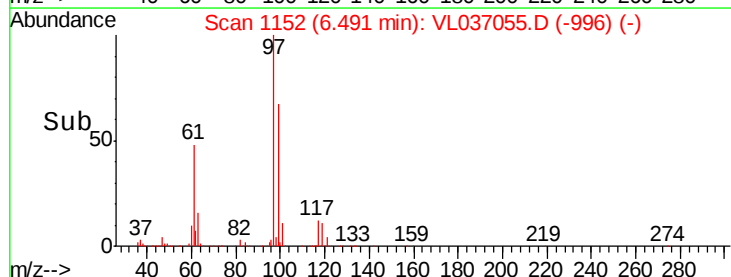
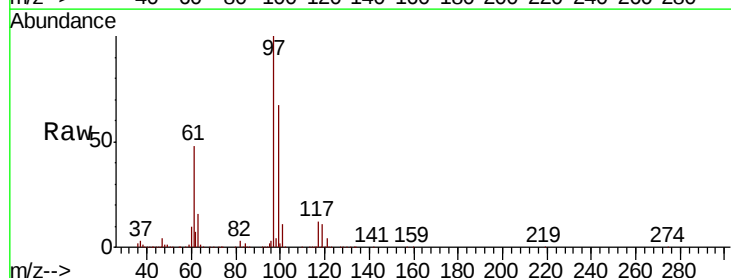
Tot Ion: 61 Resp: 1570662
Ion Ratio Lower Upper
61 100
96 68.9 55.9 83.9
98 42.7 35.6 53.4

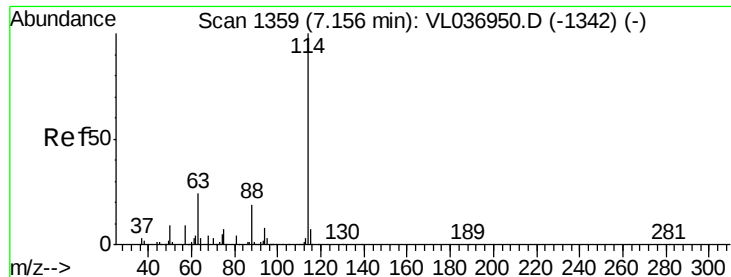


#32

1,1,1-Trichloroethane
Concen: 11.476 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 97 Resp: 2665048
Ion Ratio Lower Upper
97 100
99 65.8 51.9 77.9
61 48.5 37.6 56.4

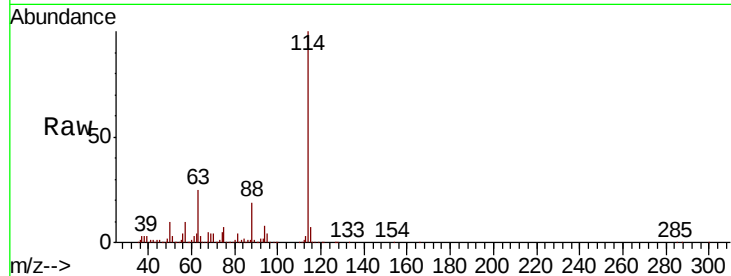




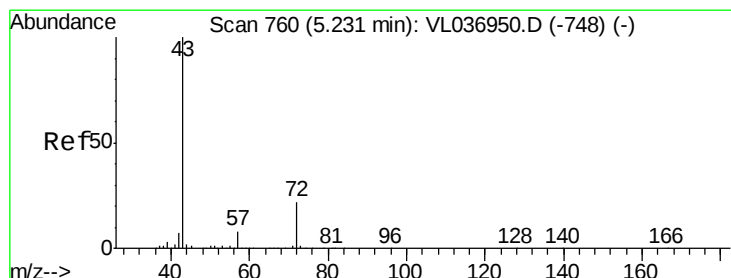
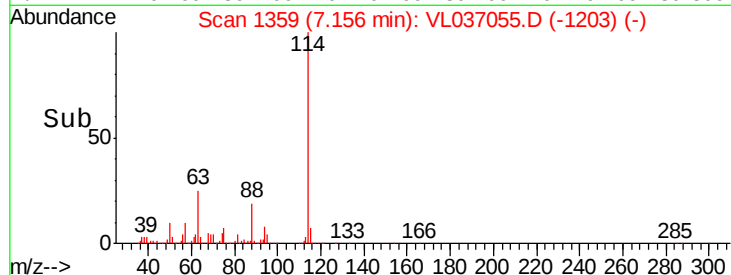
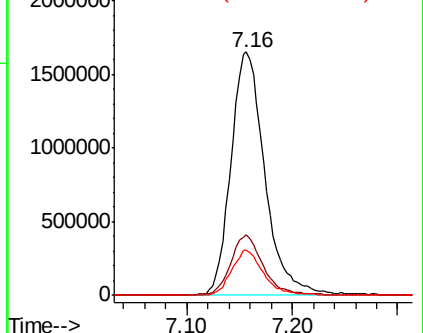
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3680004
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.7 14.6 21.8

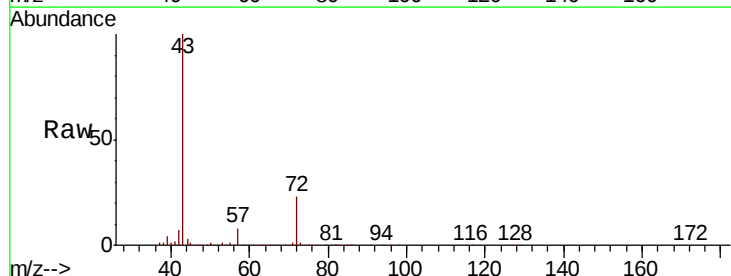


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

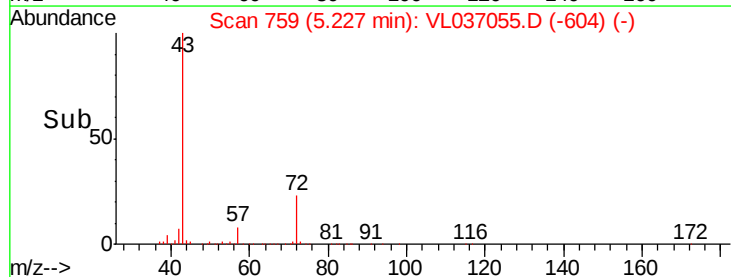
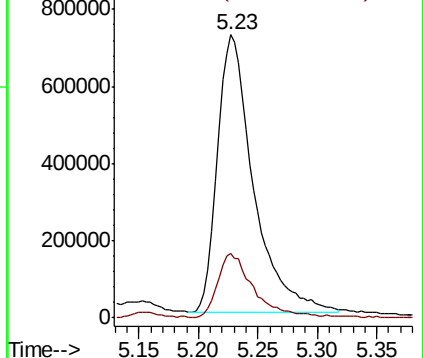


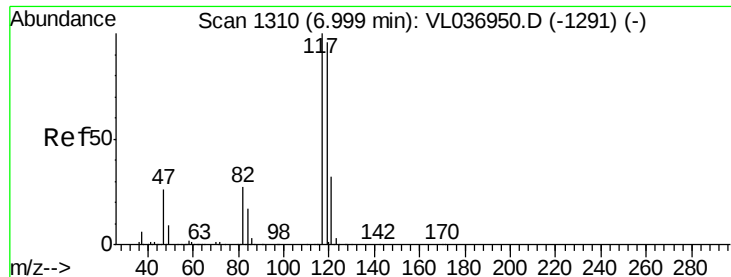
#34
 2-Butanone
 Concen: 11.386 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 43 Resp: 1525739
 Ion Ratio Lower Upper
 43 100
 72 23.8 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: 11.579 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

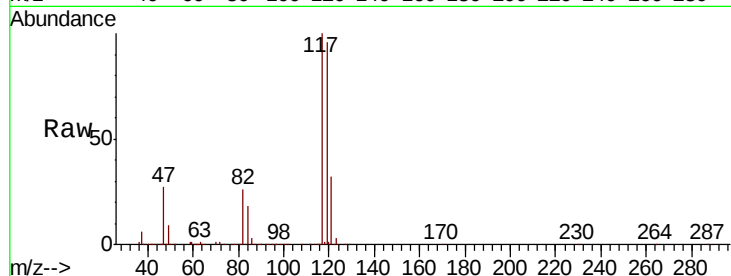
Tot Ion:117 Resp: 2831103

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8

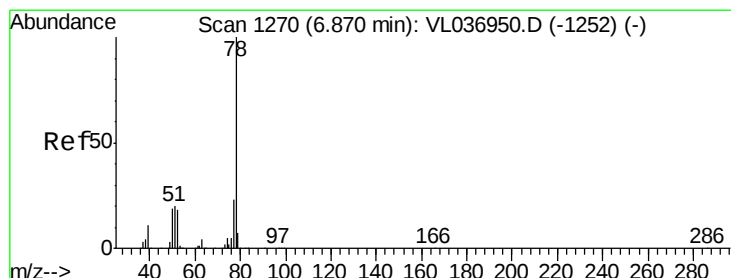
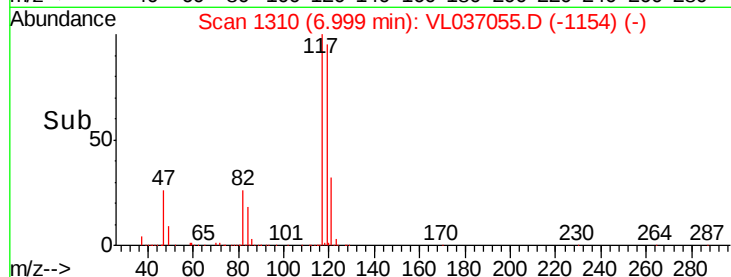
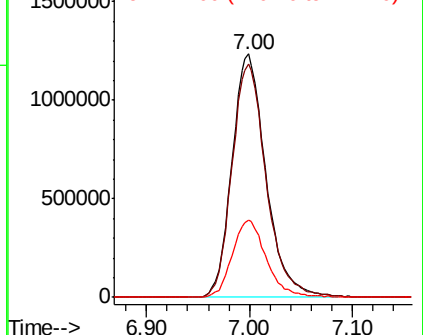
121 32.0 25.8 38.6



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: 10.428 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

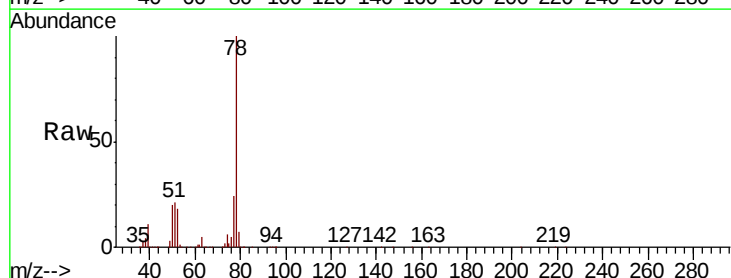
Tgt Ion: 78 Resp: 3305584

Ion Ratio Lower Upper

78 100

77 23.8 18.6 28.0

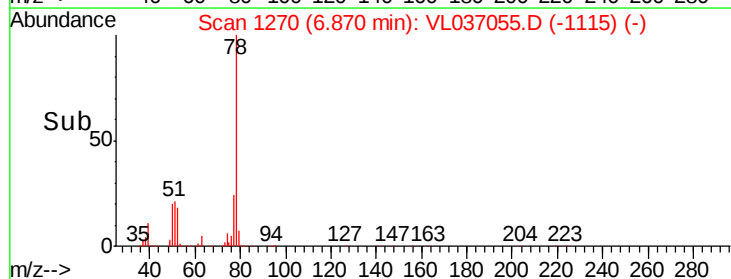
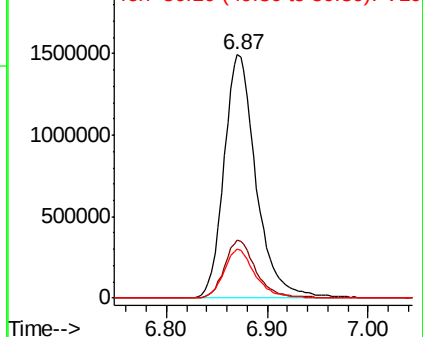
50 20.4 15.0 22.4

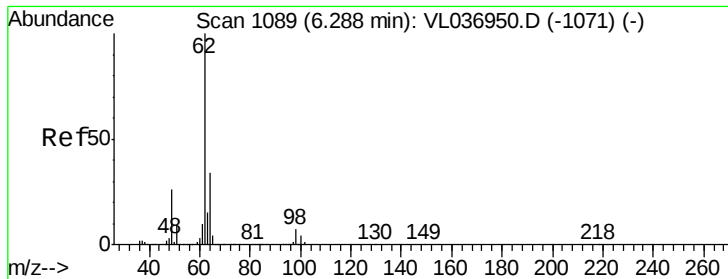


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.350 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

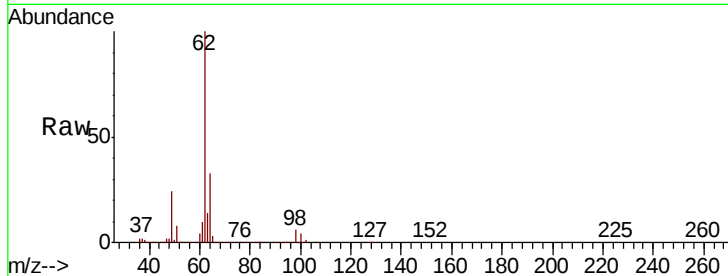
VSTDCCC010

Tot Ion: 62 Resp: 1940818

Ion Ratio Lower Upper

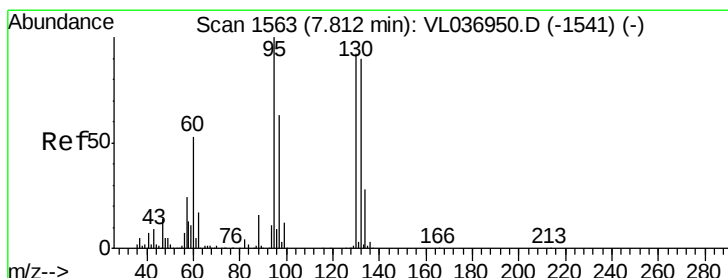
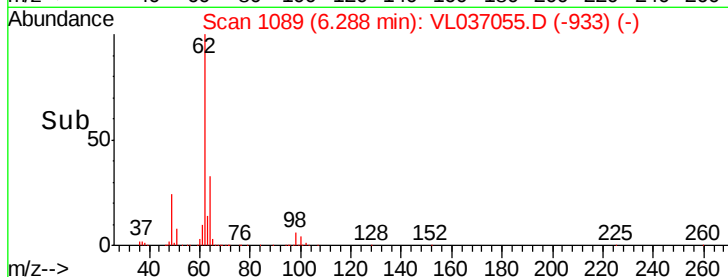
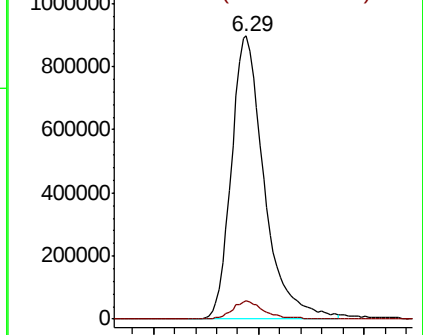
62 100

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



#38

Trichloroethene

Concen: 10.492 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion:130 Resp: 1422644

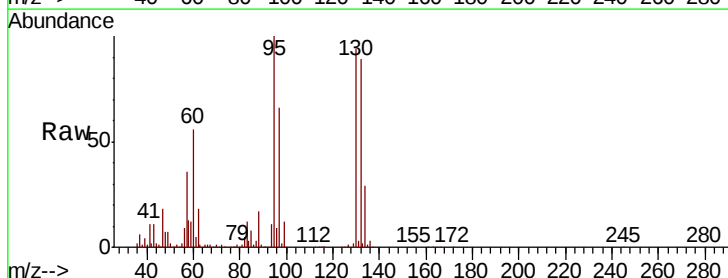
Ion Ratio Lower Upper

130 100

95 106.4 86.9 130.3

132 94.9 78.4 117.6

97 70.4 55.0 82.6

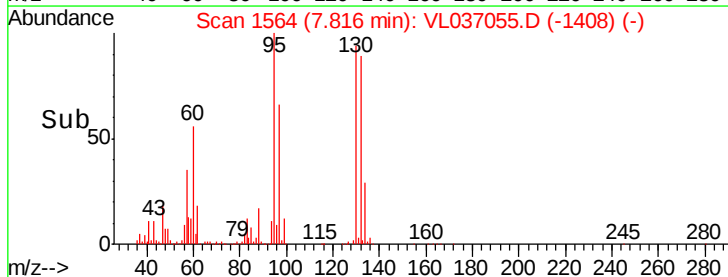
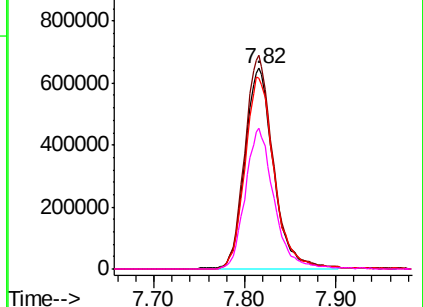


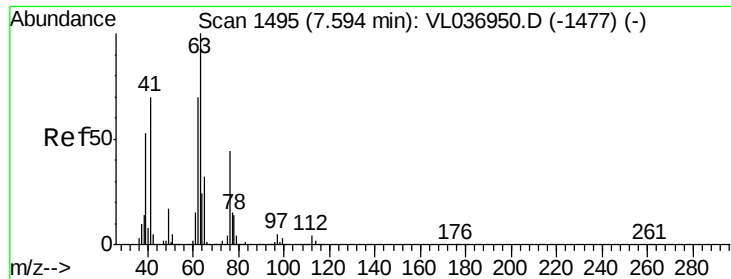
Abundance Ion 130.00 (129.70 to 130.70): V

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



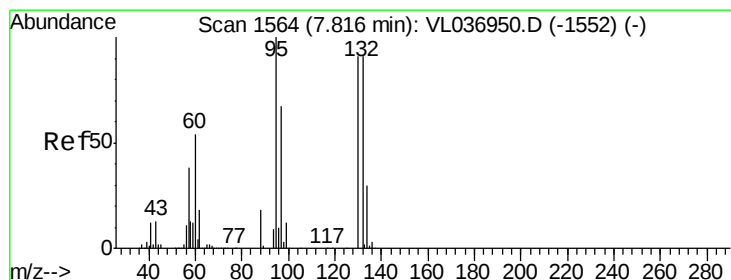
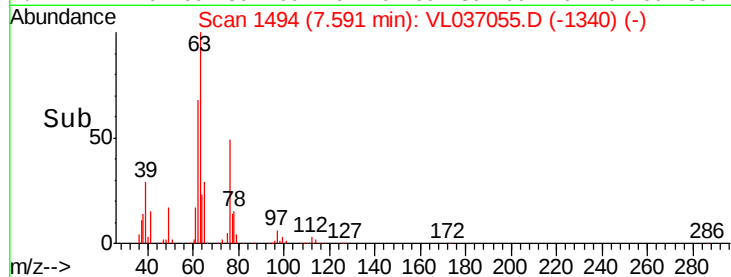
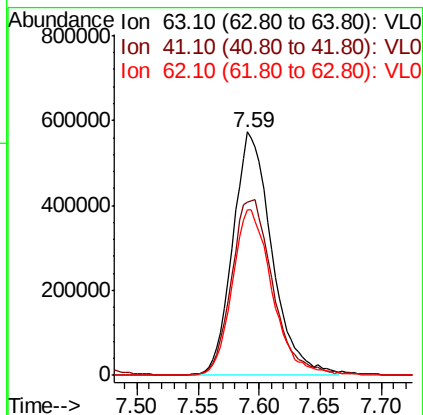
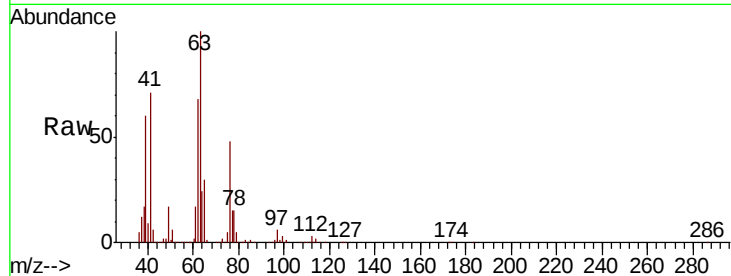


#39
 1,2-Dichloropropane
 Concen: 10.381 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 63 Resp: 1267599

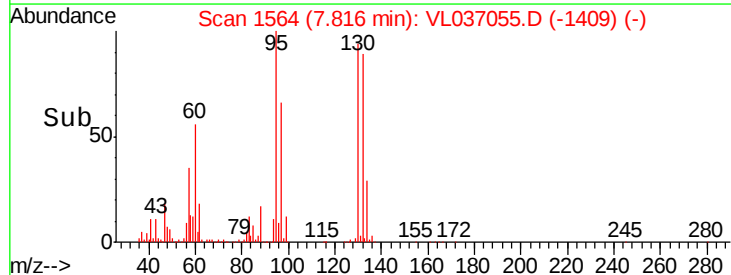
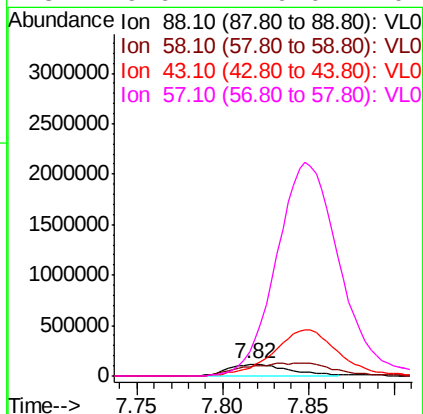
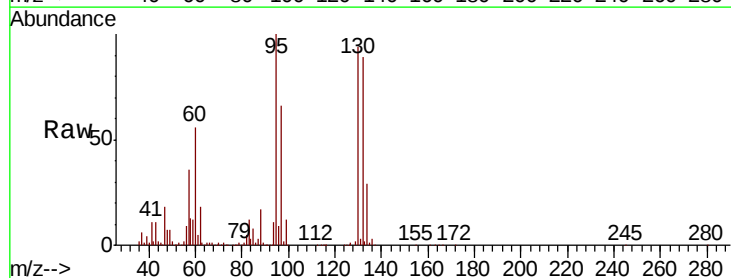
Ion	Ratio	Lower	Upper
63	100		
41	70.9	55.7	83.5
62	68.1	56.2	84.4

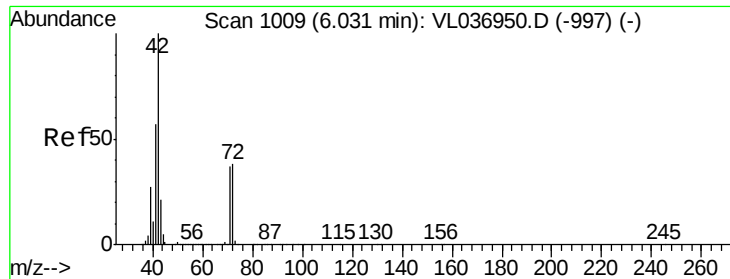


#40
 1,4-Dioxane
 Concen: 9.911 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 88 Resp: 285755

Ion	Ratio	Lower	Upper
88	100		
58	166.7	0.0	0.0#
43	432.2	0.0	0.0#
57	1919.4	0.0	0.0#

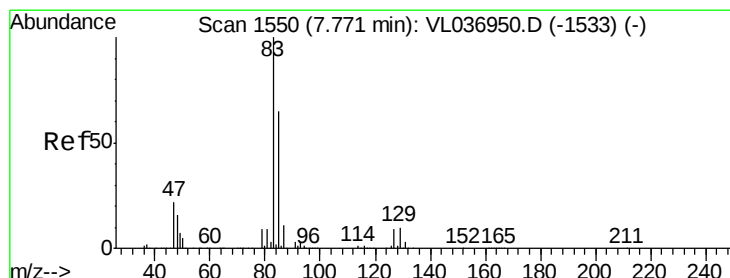
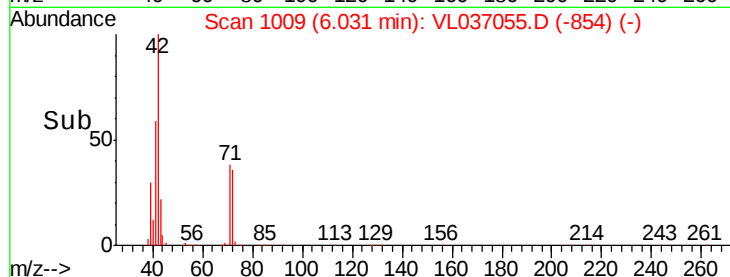
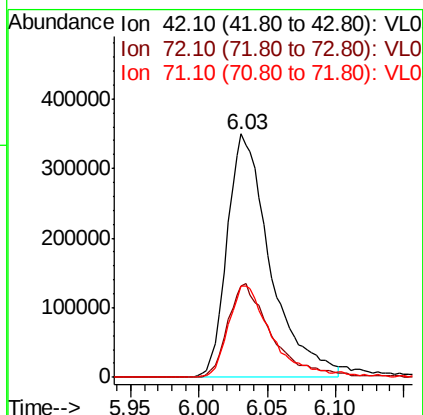
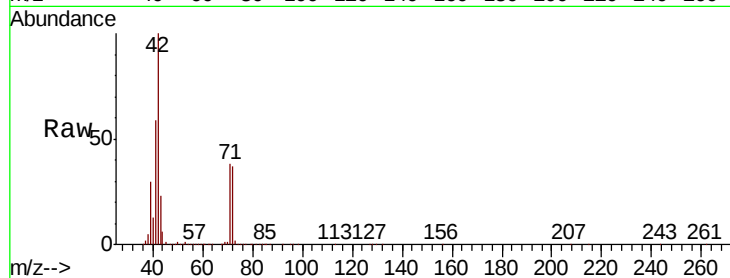




#41
Tetrahydrofuran
Concen: 10.058 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

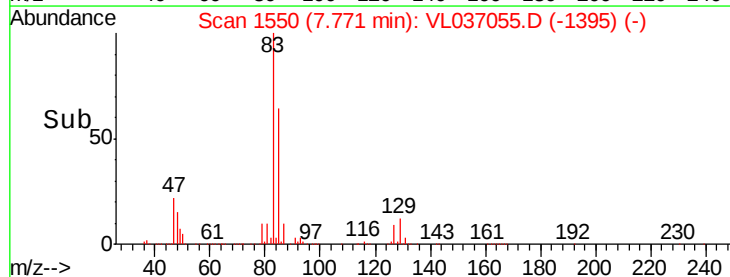
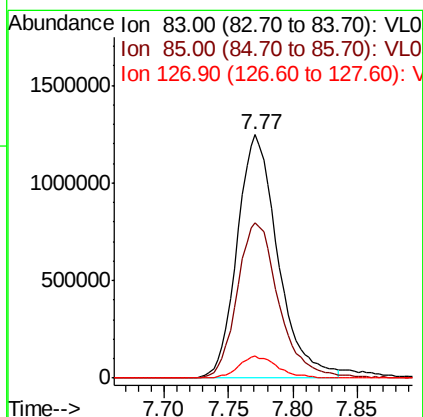
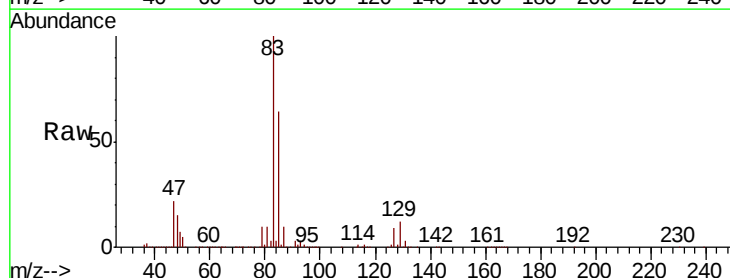
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

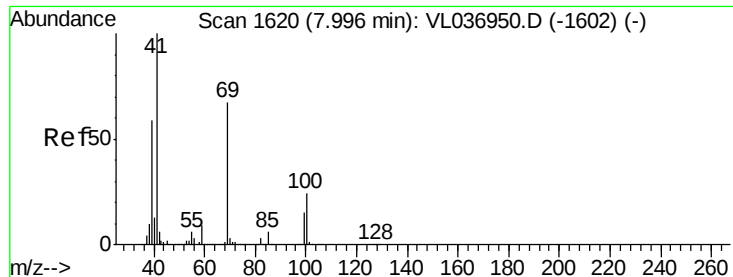
Tot Ion: 42 Resp: 767635
Ion Ratio Lower Upper
42 100
72 40.2 31.4 47.2
71 39.1 30.4 45.6



#42
Bromodichloromethane
Concen: 11.562 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 83 Resp: 2748910
Ion Ratio Lower Upper
83 100
85 63.6 51.7 77.5
127 9.1 6.9 10.3

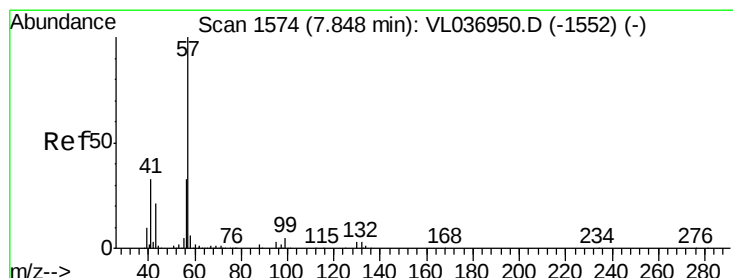
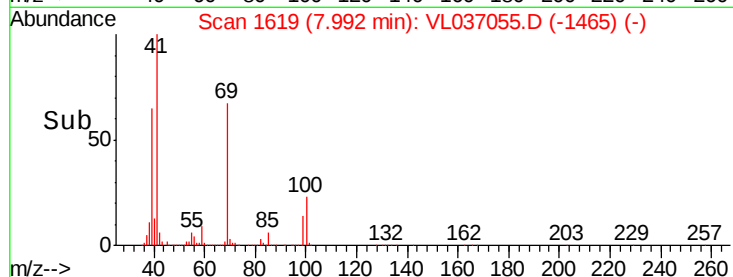
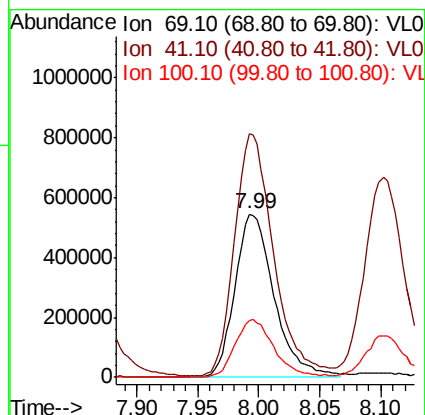
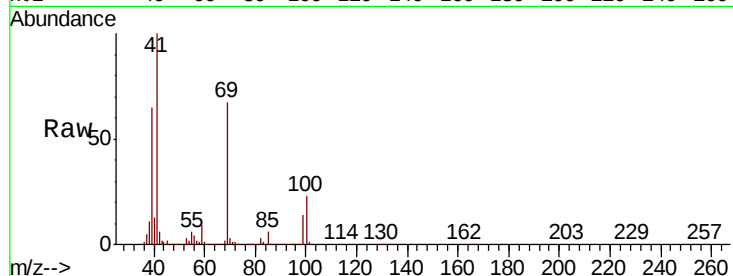




#43
Methvl Methacrylate
Concen: 11.119 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

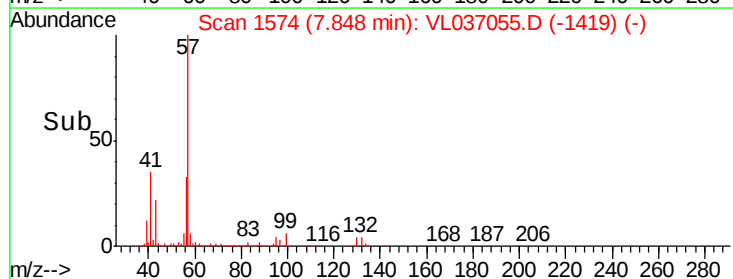
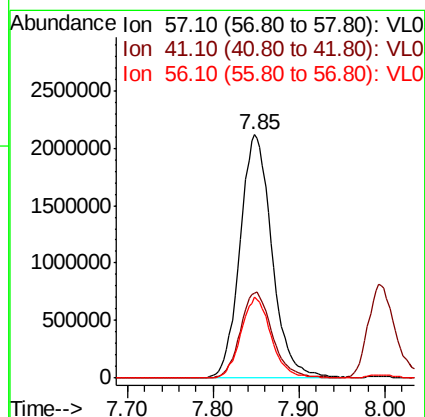
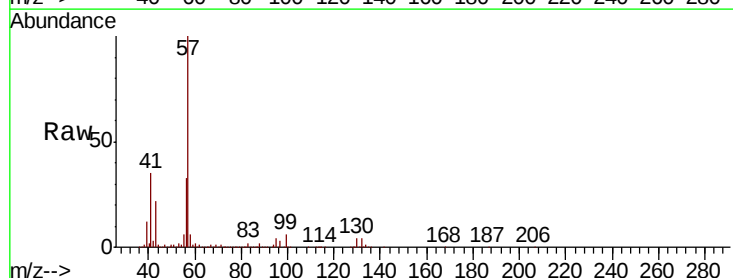
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

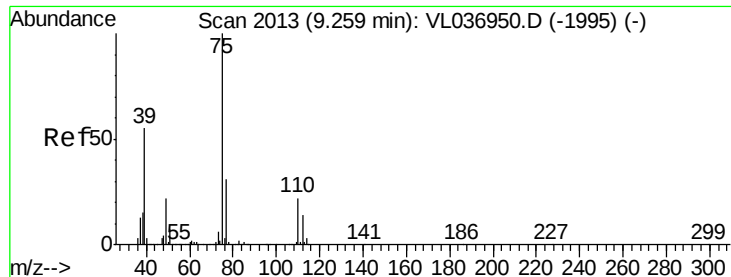
Tot Ion: 69 Resp: 1214717
Ion Ratio Lower Upper
69 100
41 150.2 118.6 178.0
100 35.5 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 10.065 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 57 Resp: 5473795
Ion Ratio Lower Upper
57 100
41 35.2 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.250 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

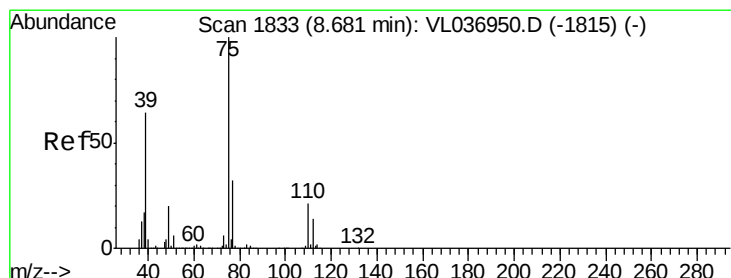
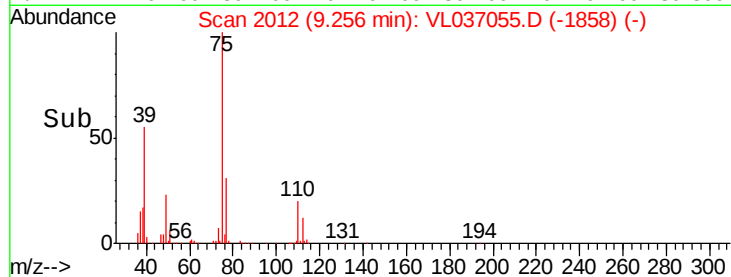
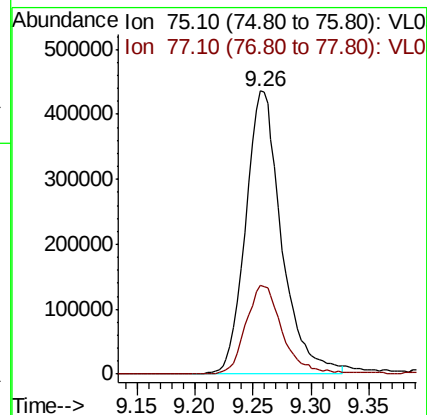
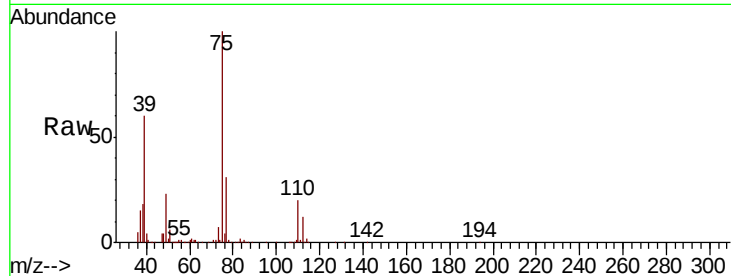
VSTDCCC010

Tot Ion: 75 Resp: 939032

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.933 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

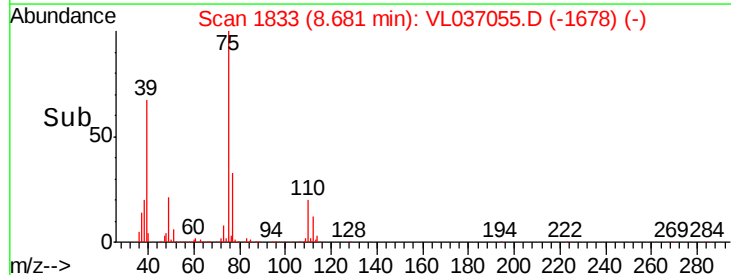
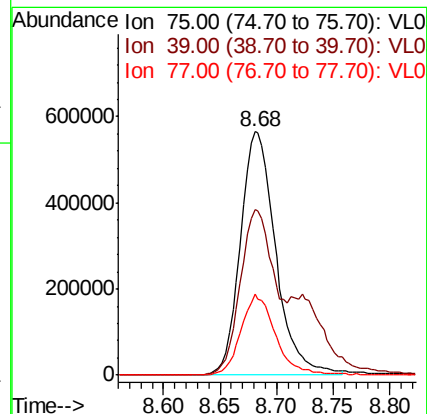
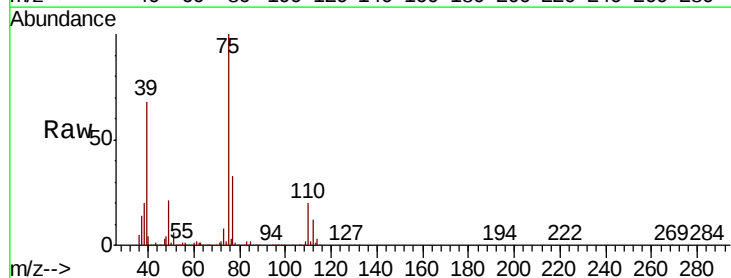
Tgt Ion: 75 Resp: 1227399

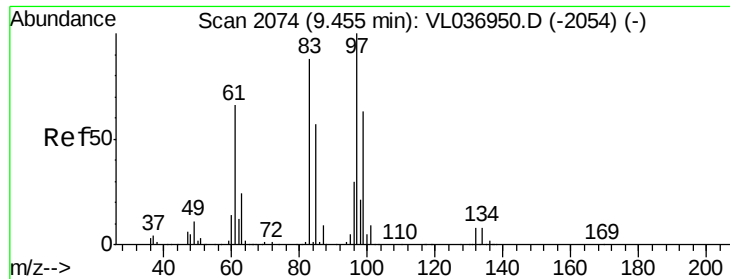
Ion Ratio Lower Upper

75 100

39 67.9 51.5 77.3

77 33.4 25.9 38.9



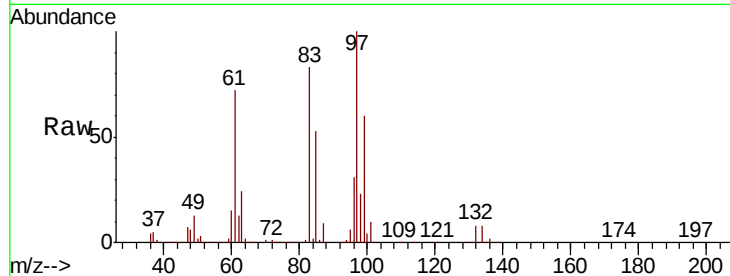


#47
 1,1,2-Trichloroethane
 Concen: 10.998 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1405477

Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.4	105.6
85	53.4	45.5	68.3
99	60.5	50.2	75.2



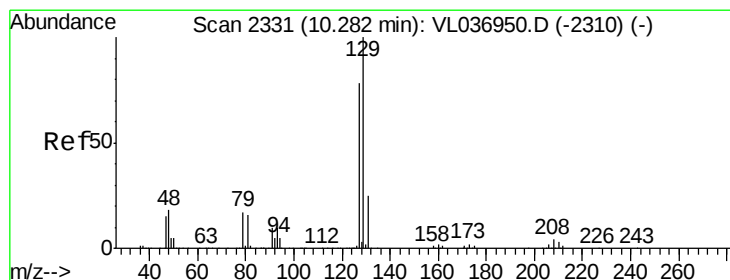
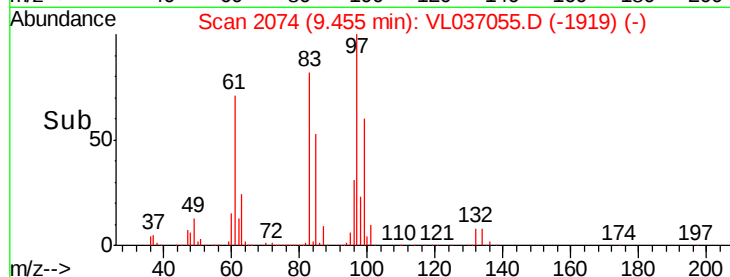
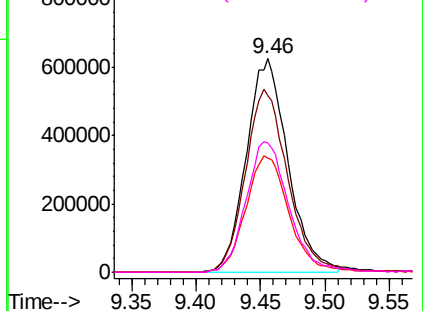
Abundance

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

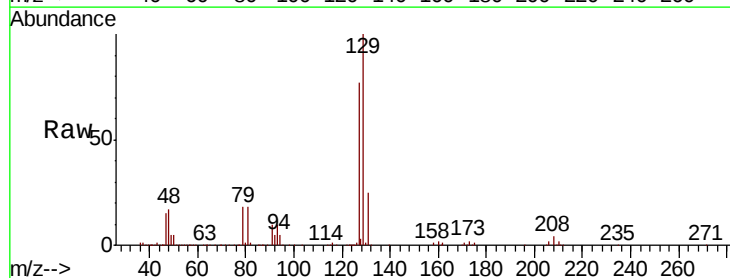
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 12.223 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 129 Resp: 2529303

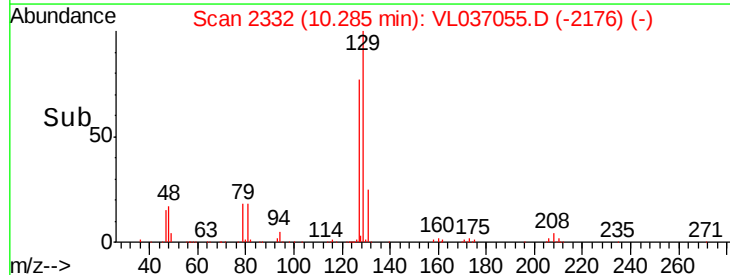
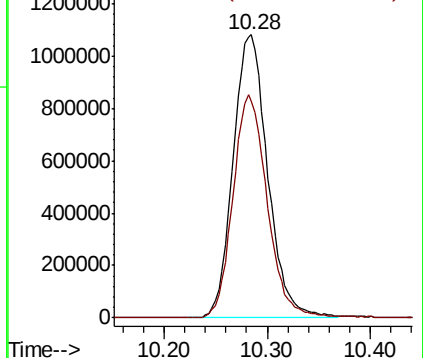
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8

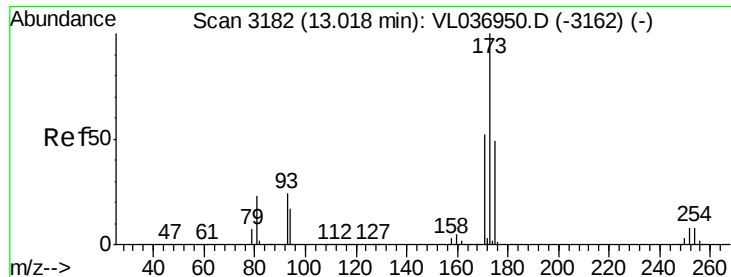


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.252 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

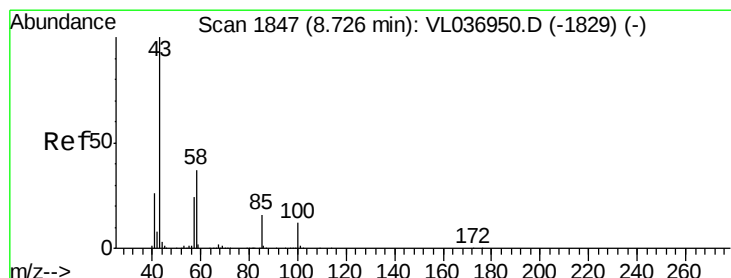
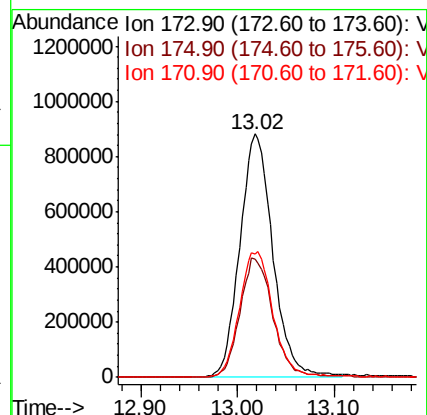
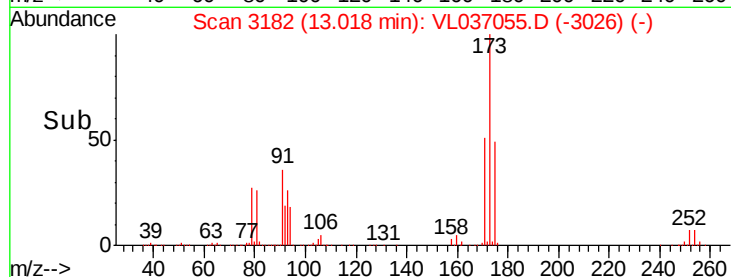
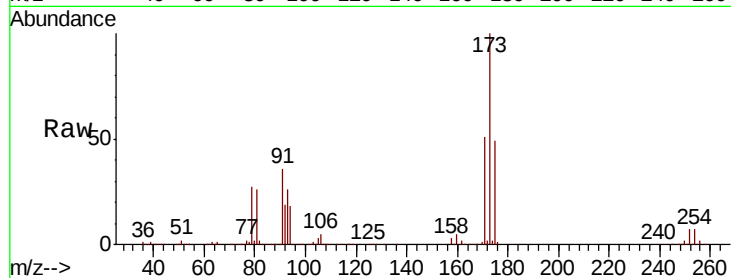
Tot Ion:173 Resp: 2093851

Ion Ratio Lower Upper

173 100

175 49.7 40.4 60.6

171 53.2 42.6 64.0



#50

4-Methyl-2-Pentanone

Concen: 10.785 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL037055.D

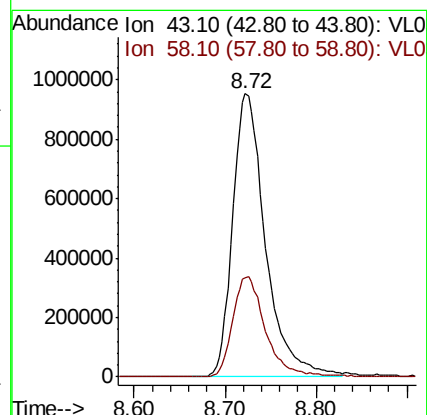
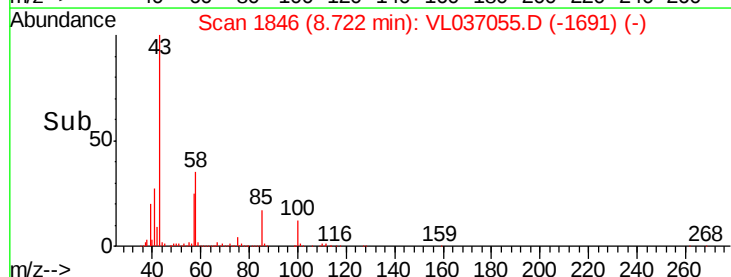
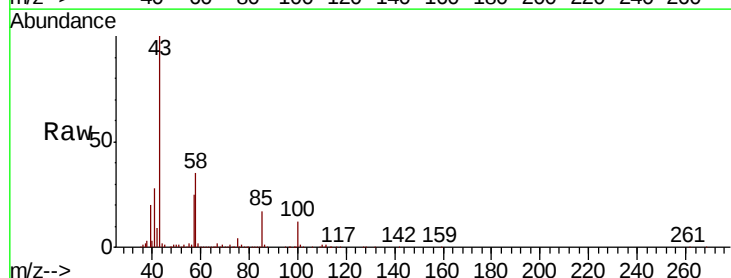
Acq: 25 May 2021 9:21

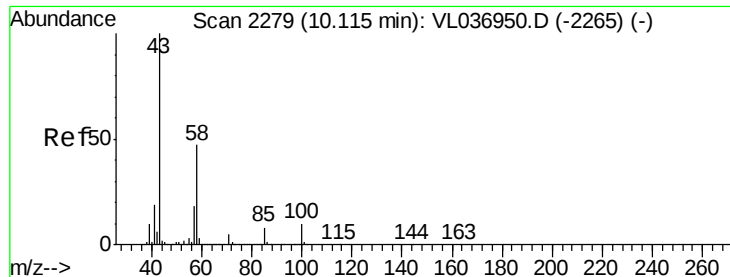
Tgt Ion: 43 Resp: 2384669

Ion Ratio Lower Upper

43 100

58 35.9 29.4 44.2

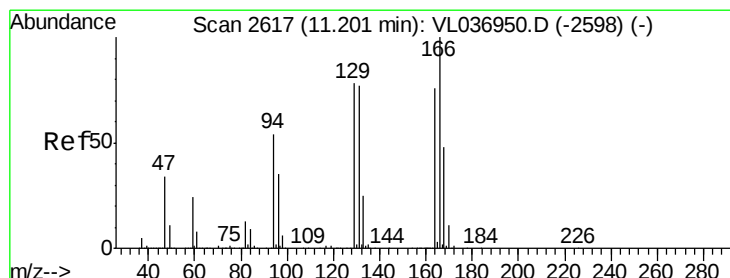
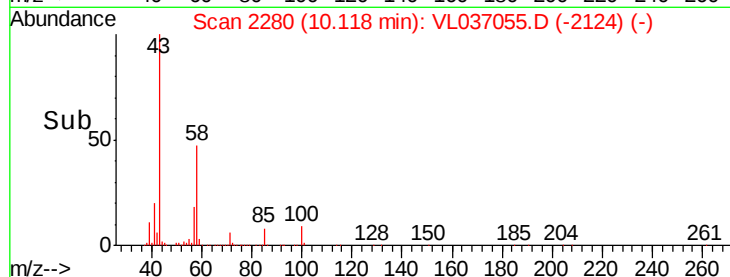
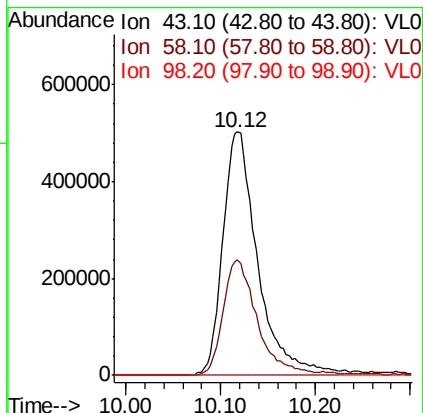
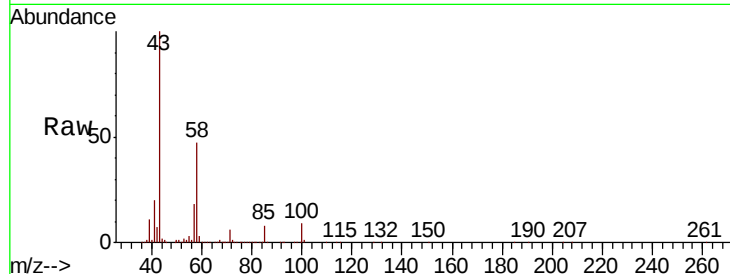




#51
2-Hexanone
Concen: 10.966 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

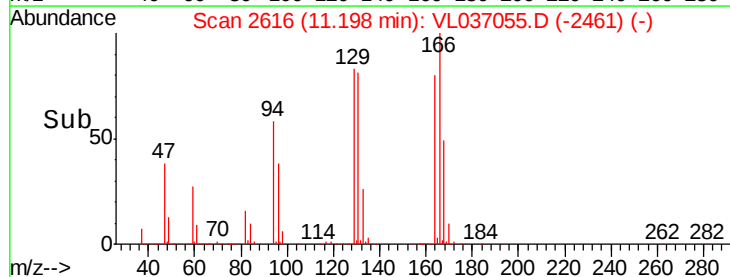
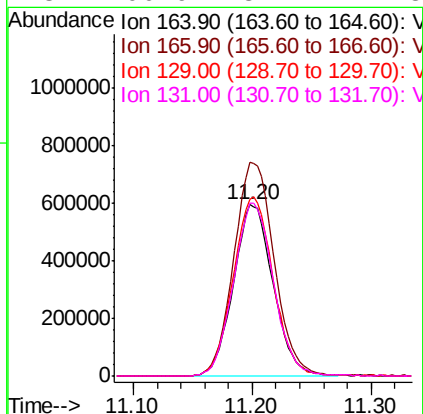
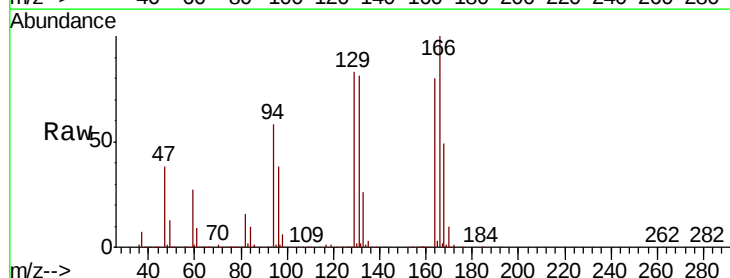
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

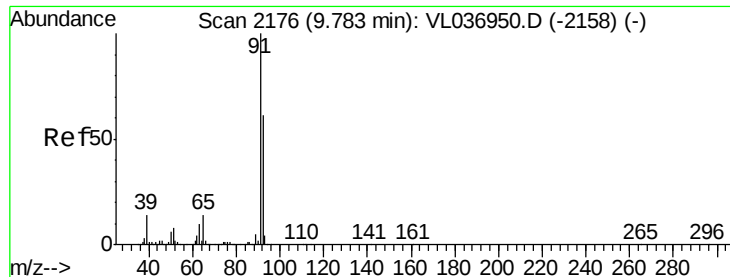
Tot Ion: 43 Resp: 1281829
Ion Ratio Lower Upper
43 100
58 48.0 41.1 61.7
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.812 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 164 Resp: 1362769
Ion Ratio Lower Upper
164 100
166 125.0 105.5 158.3
129 103.4 81.8 122.8
131 100.9 81.2 121.8





#53

Toluene

Concen: 10.572 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

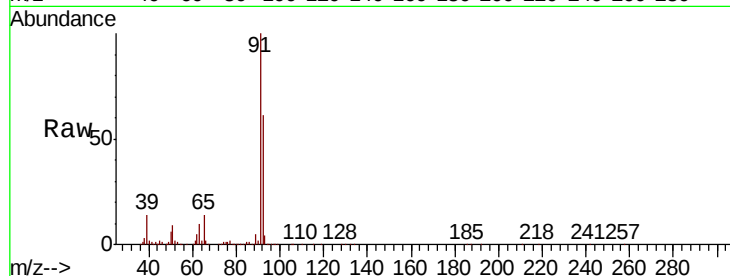
VSTDCCC010

Tot Ion: 91 Resp: 3987497

Ion Ratio Lower Upper

91 100

92 60.6 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

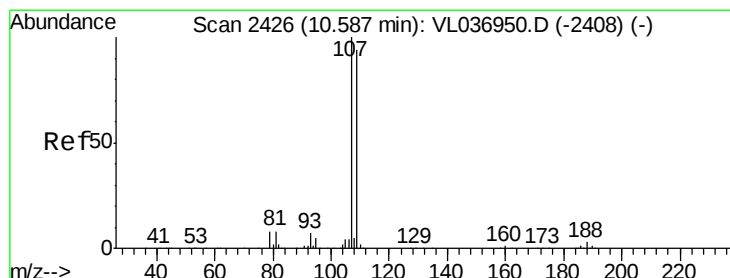
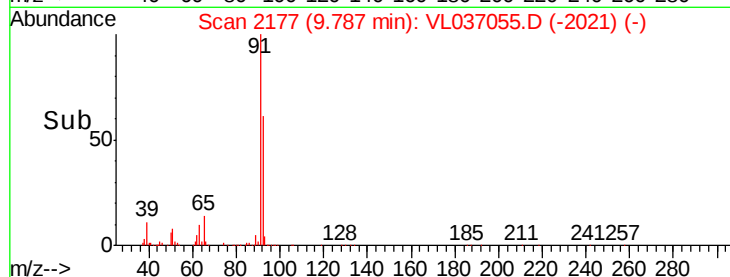
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 11.533 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037055.D

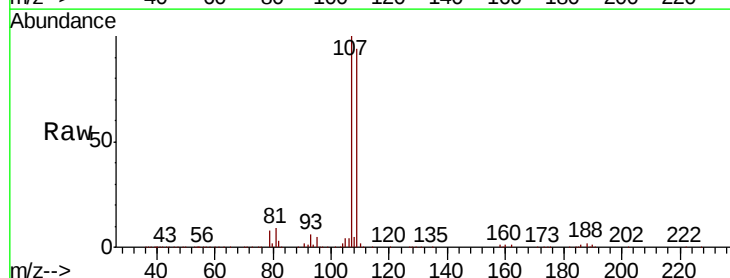
Acq: 25 May 2021 9:21

Tgt Ion: 107 Resp: 2095450

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

1000000

800000

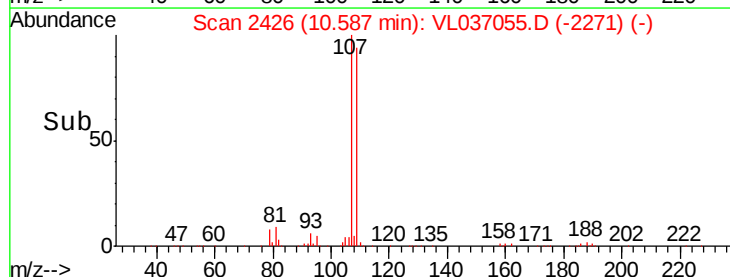
600000

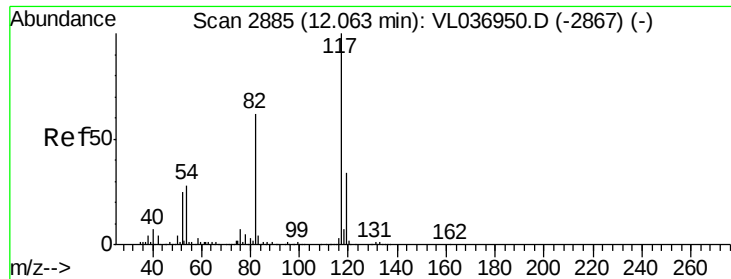
400000

200000

0

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

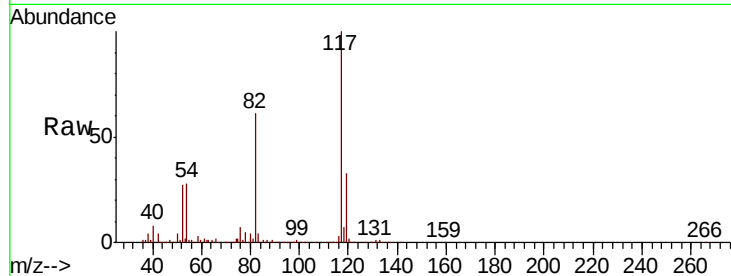
Tot Ion:117 Resp: 4437081

Ion Ratio Lower Upper

117 100

82 49.1 52.6 79.0#

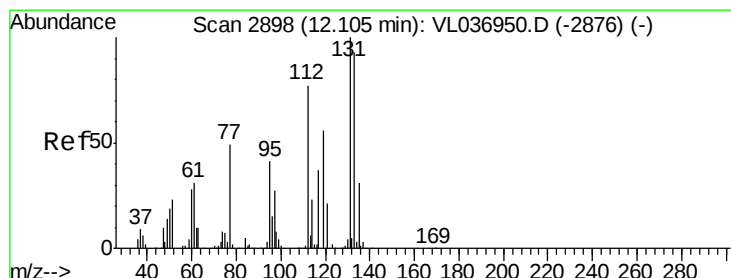
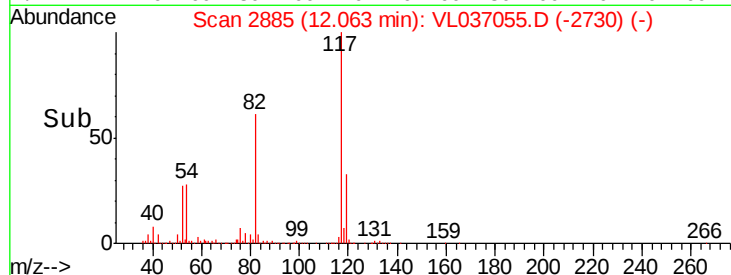
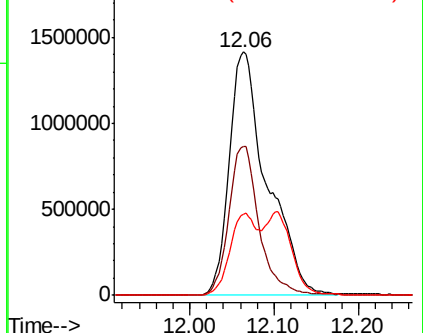
119 23.7 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.213 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

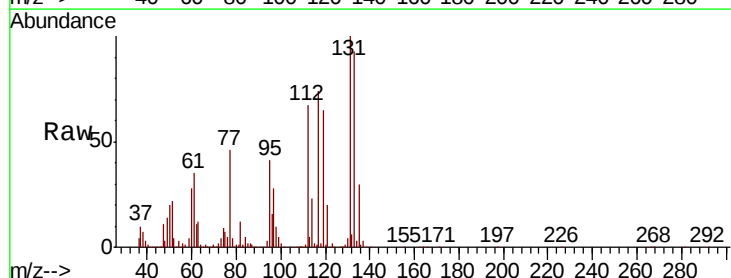
Tgt Ion:131 Resp: 1720057

Ion Ratio Lower Upper

131 100

133 95.9 76.9 115.3

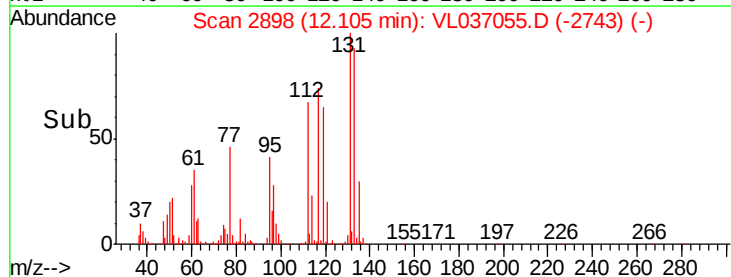
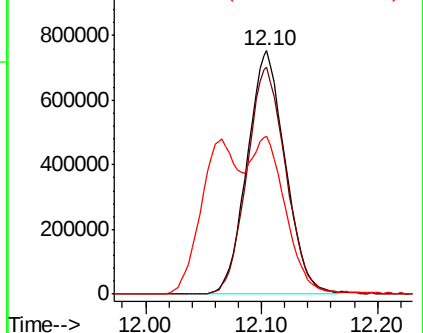
119 59.8 120.2 180.4#

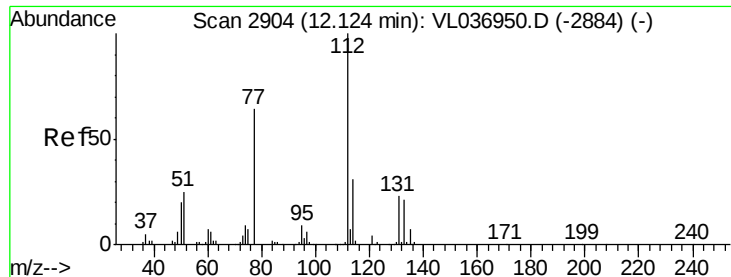


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.805 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

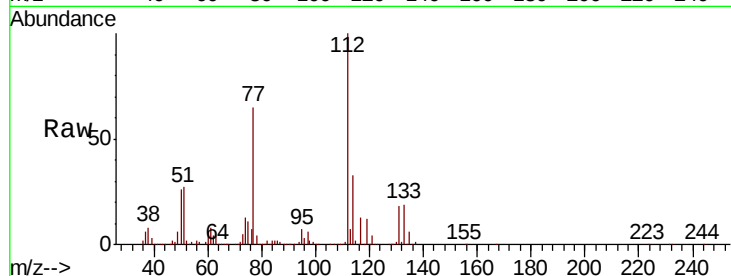
Tot Ion:112 Resp: 3029422

Ion Ratio Lower Upper

112 100

77 64.2 51.0 76.6

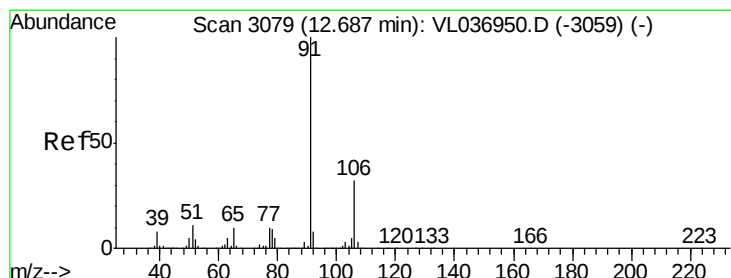
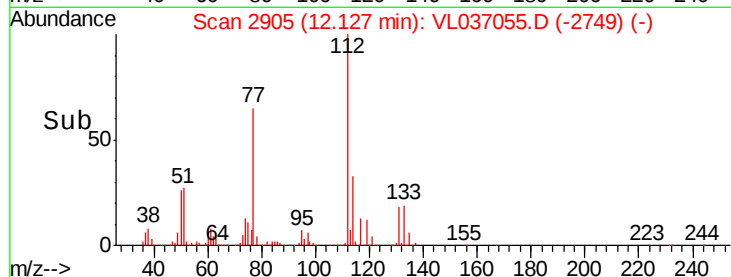
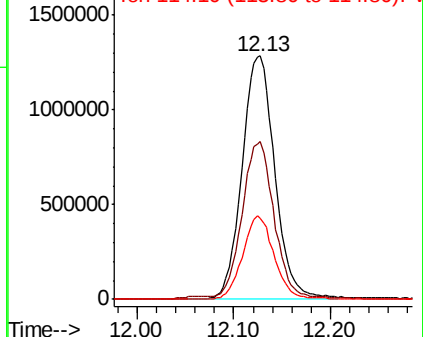
114 33.1 28.3 34.5



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: 8.481 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL037055.D

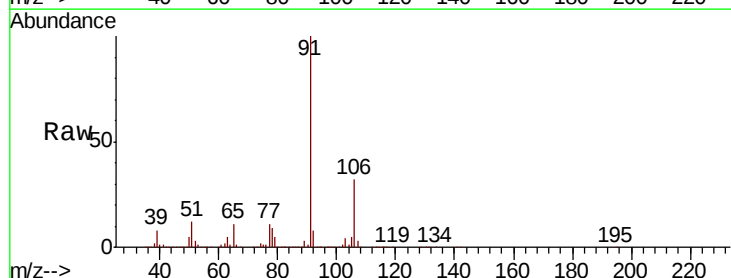
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 5310913

Ion Ratio Lower Upper

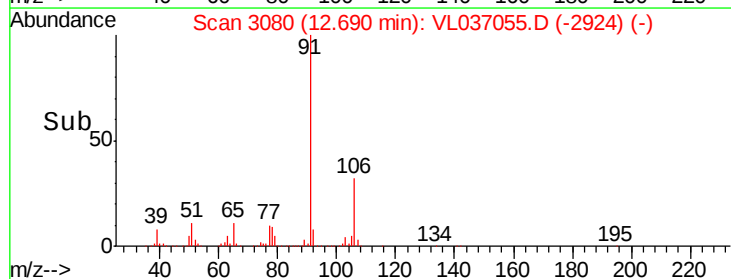
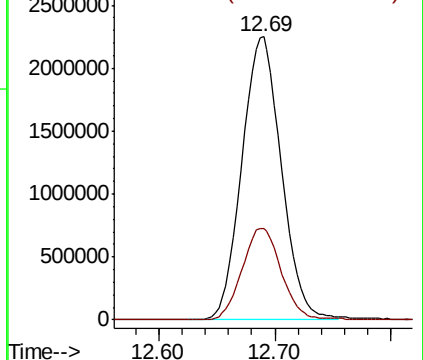
91 100

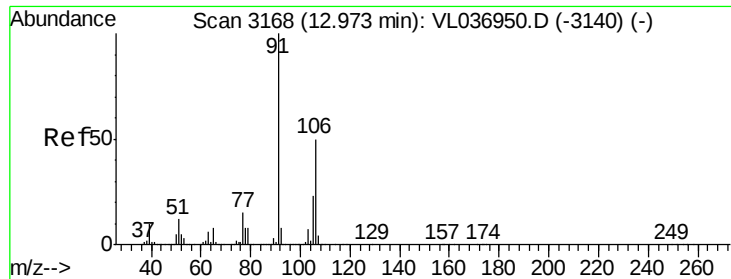
106 32.2 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.991 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

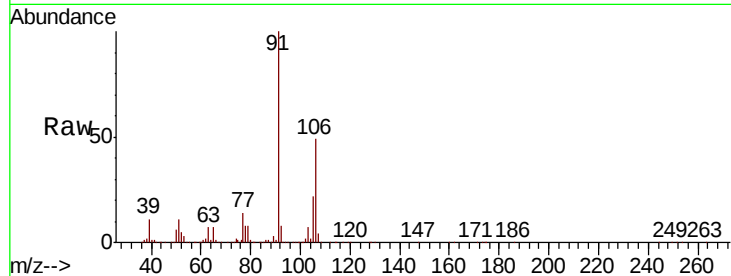
VSTDCCC010

Tot Ion: 91 Resp: 4654190

Ion Ratio Lower Upper

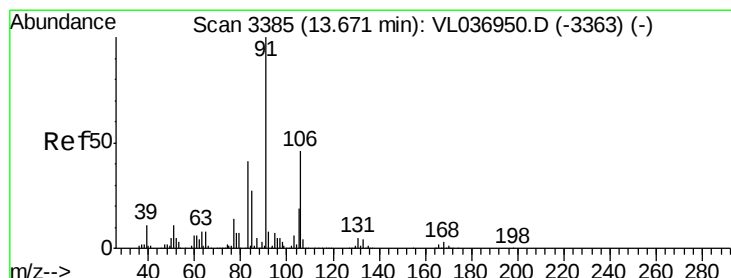
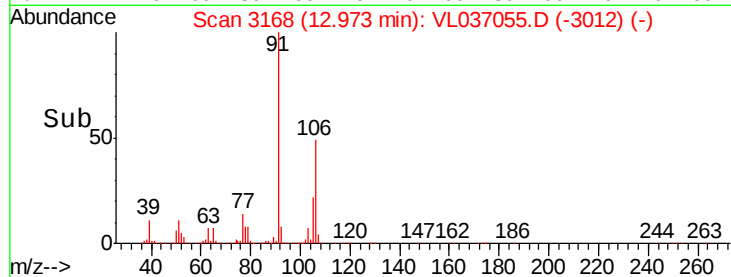
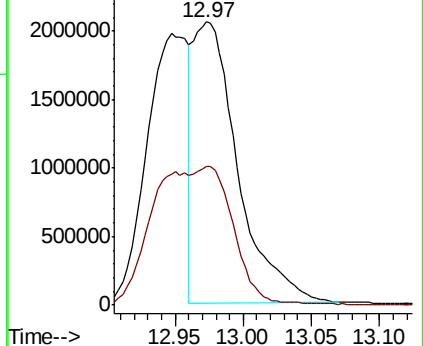
91 100

106 89.1 37.4 56.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.640 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL037055.D

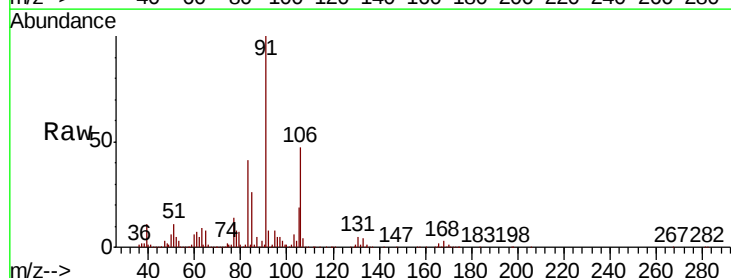
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 4265520

Ion Ratio Lower Upper

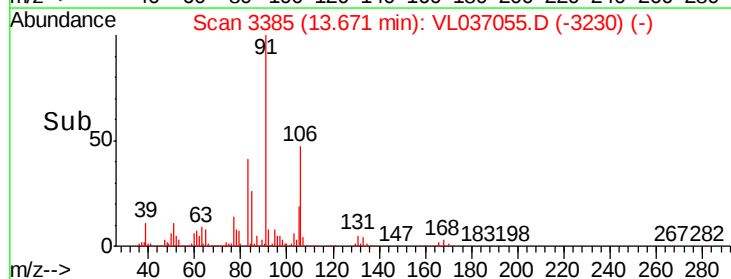
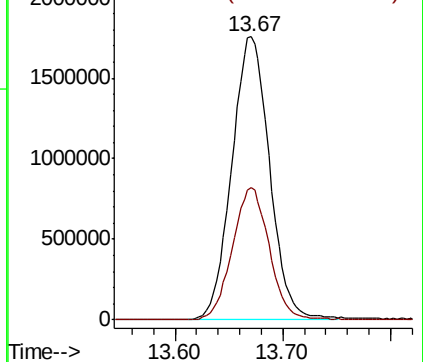
91 100

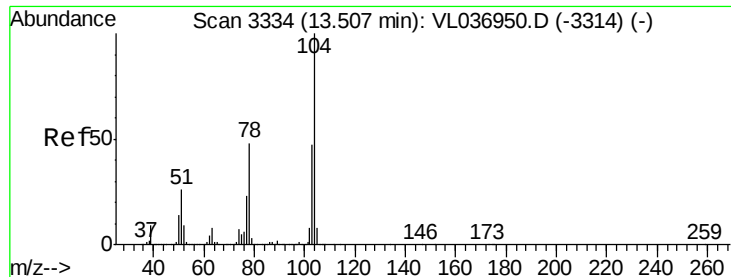
106 46.1 23.4 70.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 8.932 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

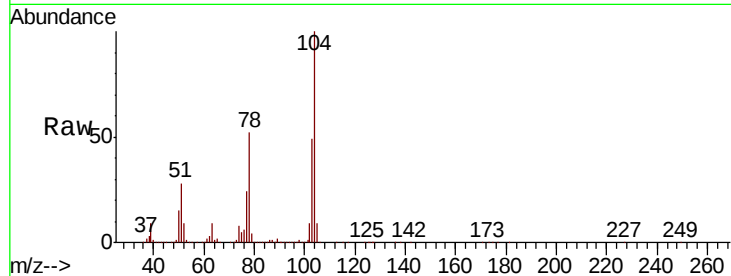
Tot Ion:104 Resp: 2484251

Ion Ratio Lower Upper

104 100

78 50.7 39.0 58.6

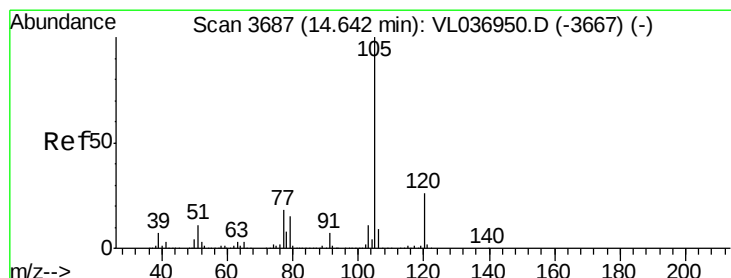
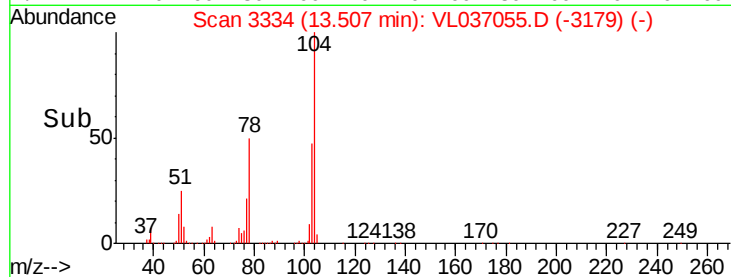
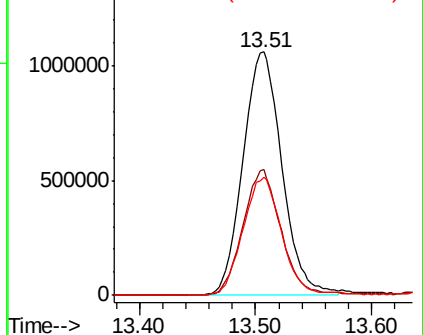
103 48.8 38.0 57.0



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: 8.524 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.01 min

Lab File: VL037055.D

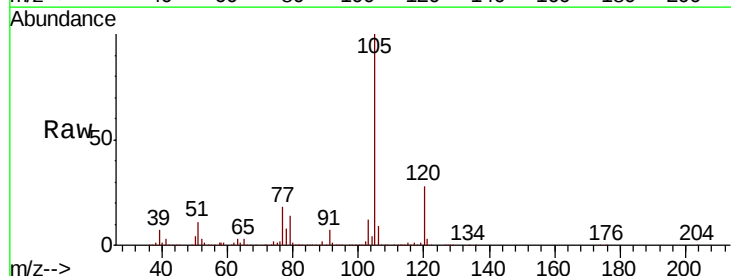
Acq: 25 May 2021 9:21

Tgt Ion:105 Resp: 6048306

Ion Ratio Lower Upper

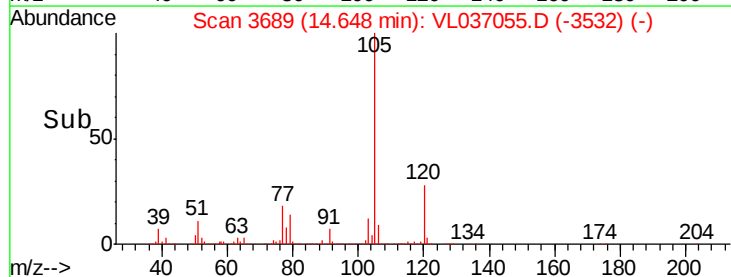
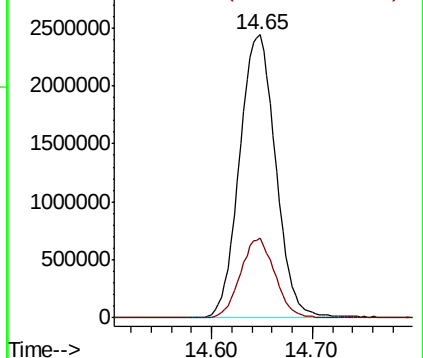
105 100

120 27.0 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: 7.827 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

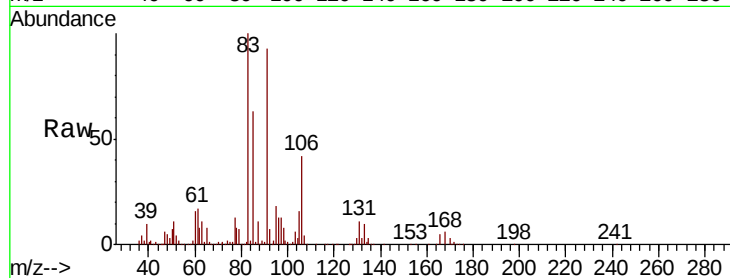
Tot Ion: 83 Resp: 2885928

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

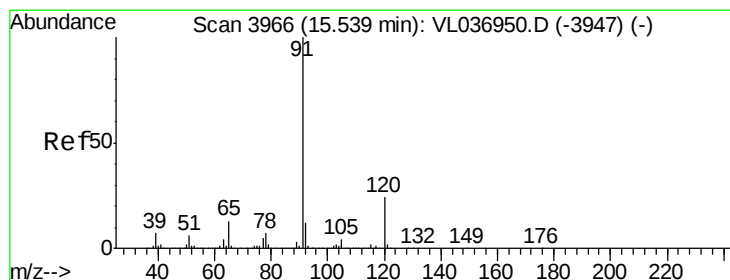
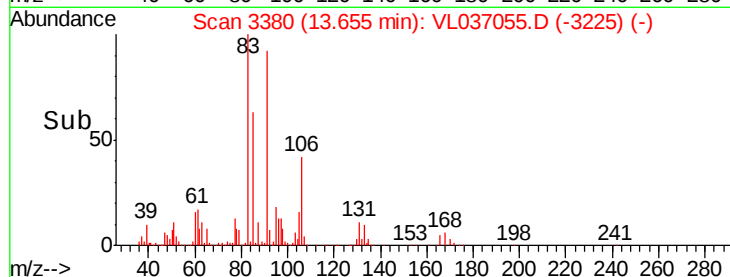
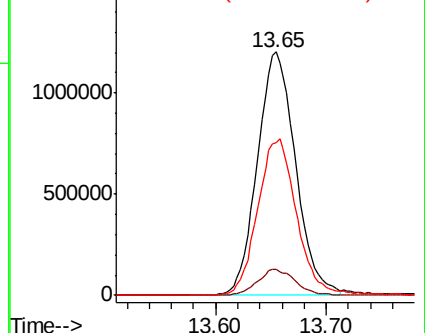
85 66.3 32.9 98.6



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: 8.953 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037055.D

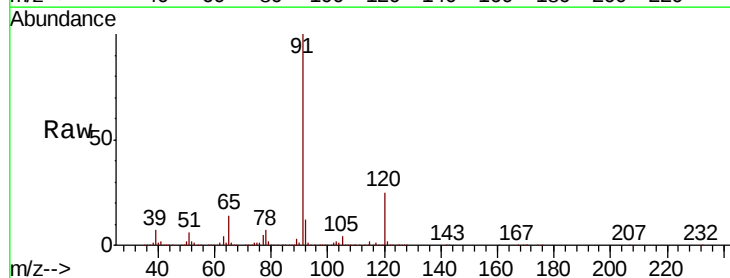
Acq: 25 May 2021 9:21

Tgt Ion: 120 Resp: 1639054

Ion Ratio Lower Upper

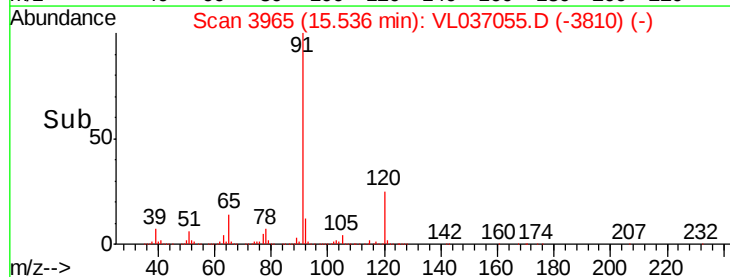
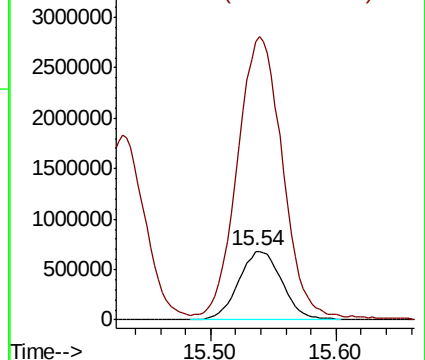
120 100

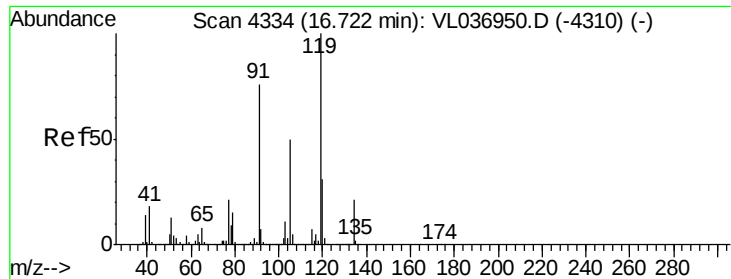
91 434.2 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

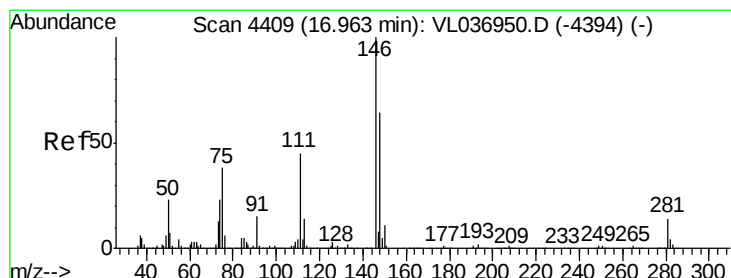
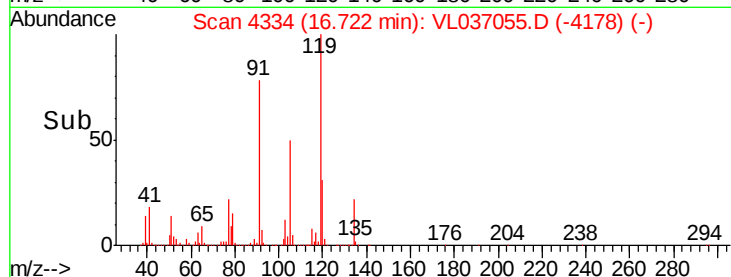
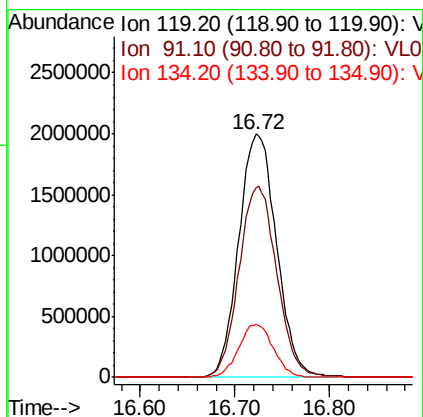
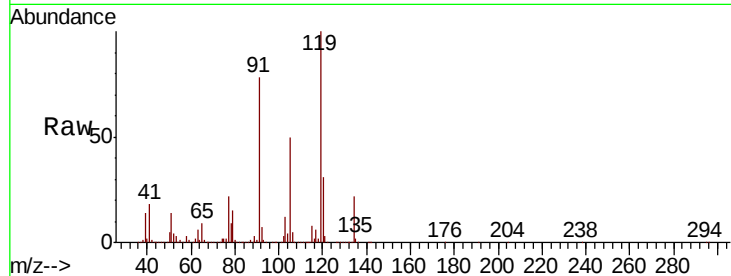




#65
tert-Butylbenzene
Concen: 8.659 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

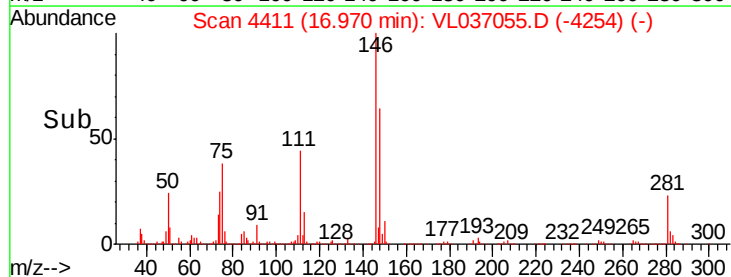
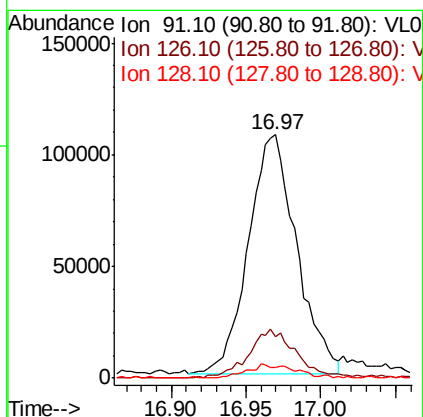
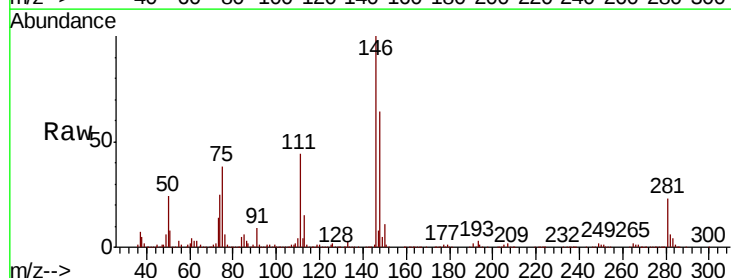
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

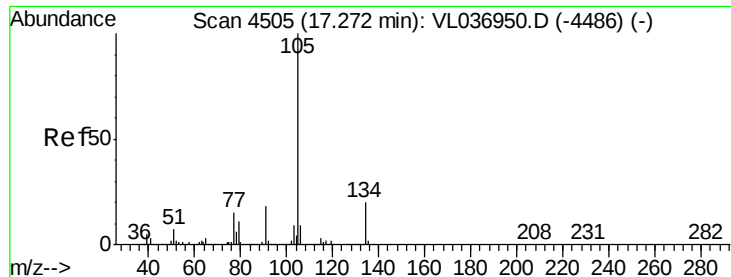
Tot Ion:119 Resp: 5543683
Ion Ratio Lower Upper
119 100
91 78.7 61.9 92.9
134 20.2 16.2 24.4



#66
Benzyl Chloride
Concen: 6.727 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. 0.01 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 238966
Ion Ratio Lower Upper
91 100
126 20.7 16.5 24.7
128 6.6 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.514 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

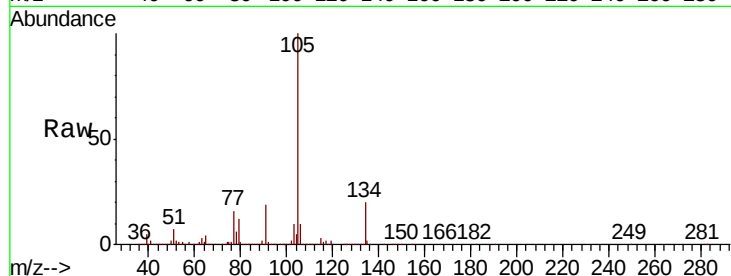
VSTDCCC010

Tot Ion:105 Resp: 7436249

Ion Ratio Lower Upper

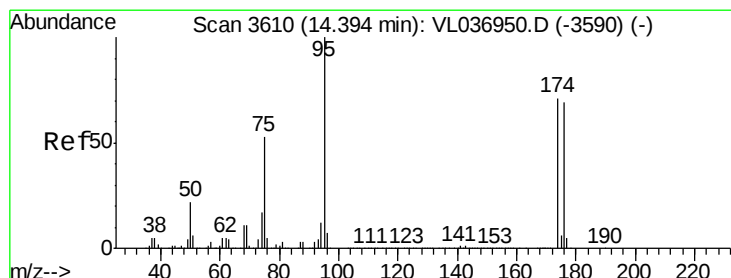
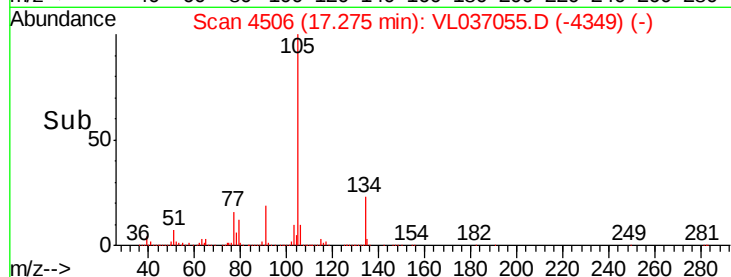
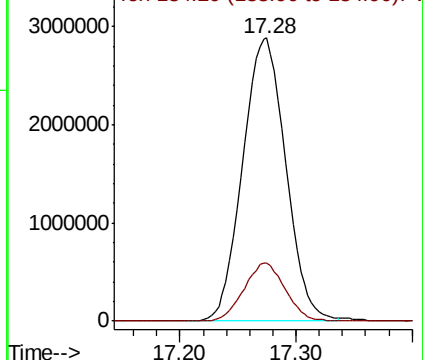
105 100

134 19.7 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.750 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

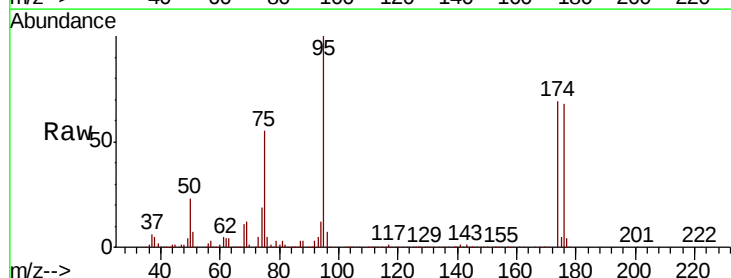
Tgt Ion: 95 Resp: 2583414

Ion Ratio Lower Upper

95 100

174 72.4 58.4 87.6

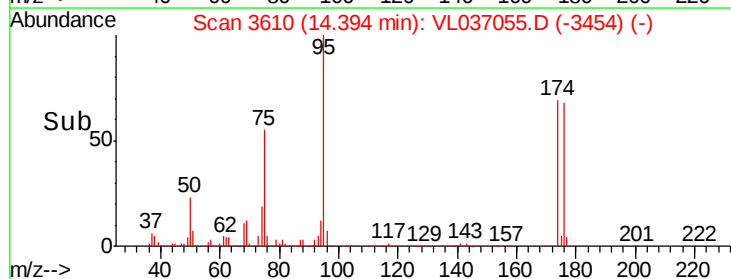
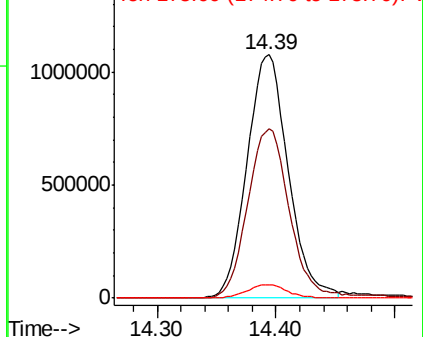
175 5.5 4.4 6.6

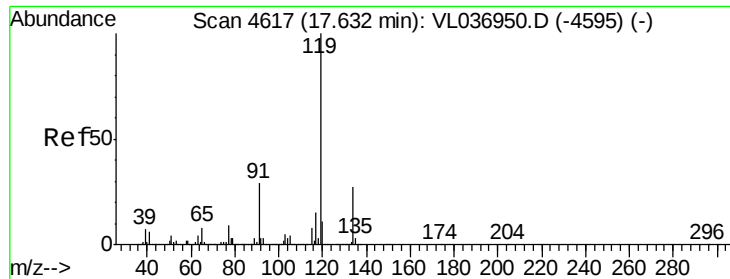


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



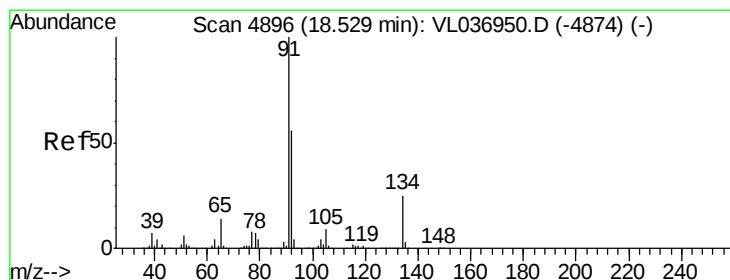
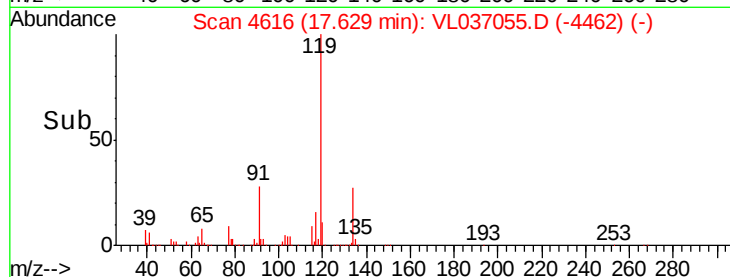
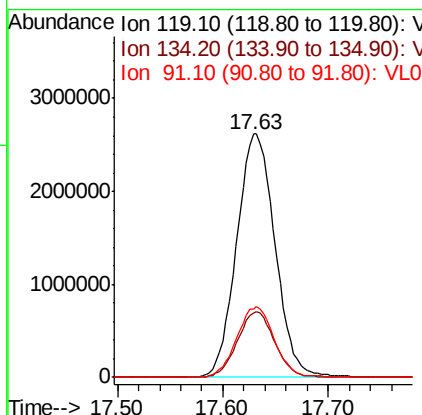
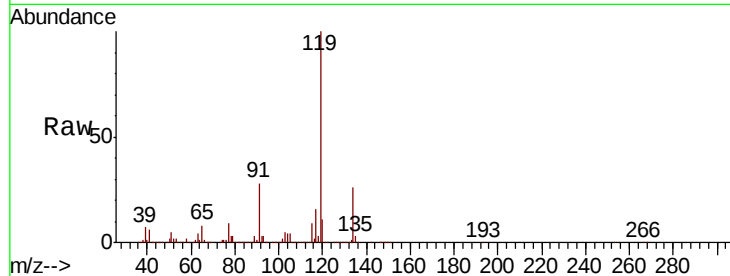


#69
 p-Isopropyltoluene
 Concen: 8.802 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 6610313

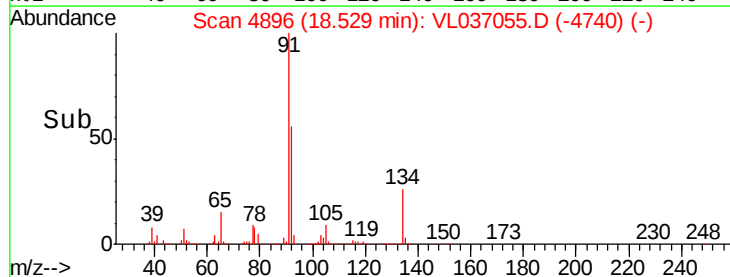
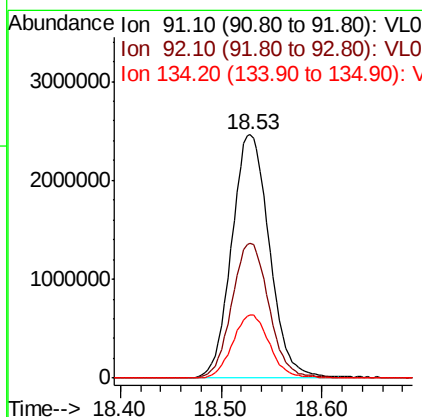
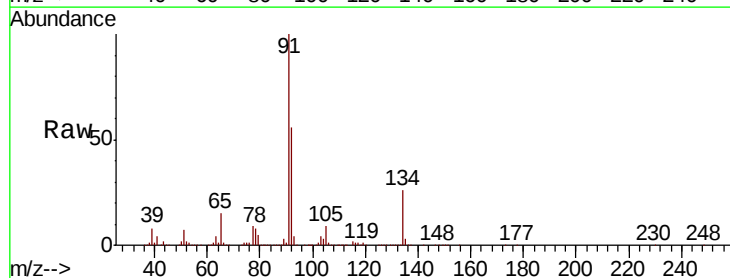
Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.4	22.2	33.4

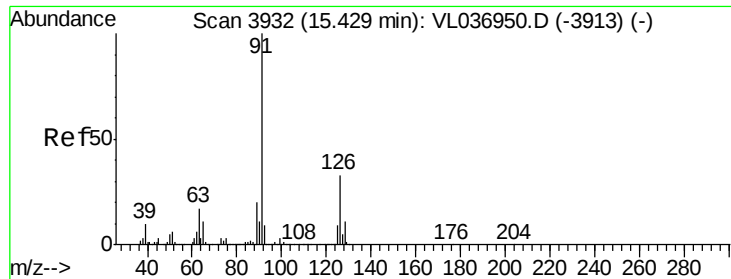


#70
 n-Butylbenzene
 Concen: 8.933 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 6372932

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	25.5	20.2	30.2

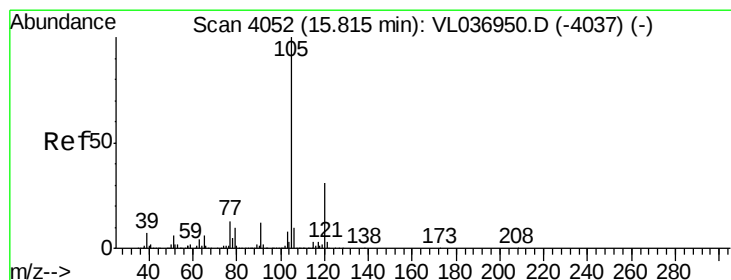
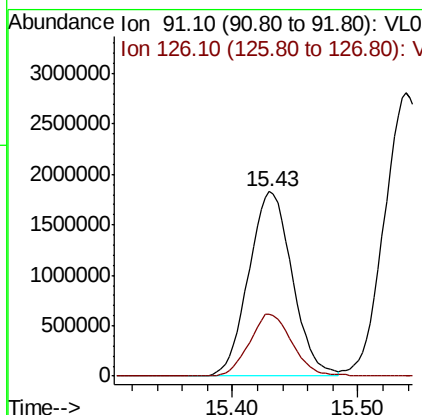
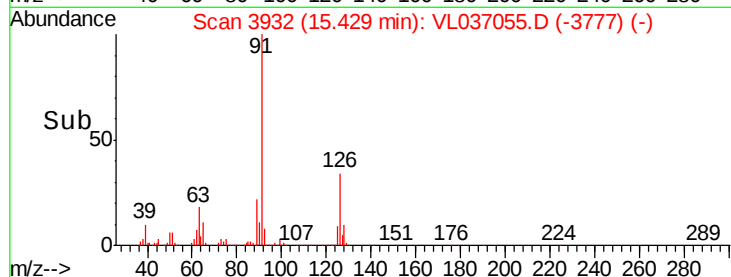
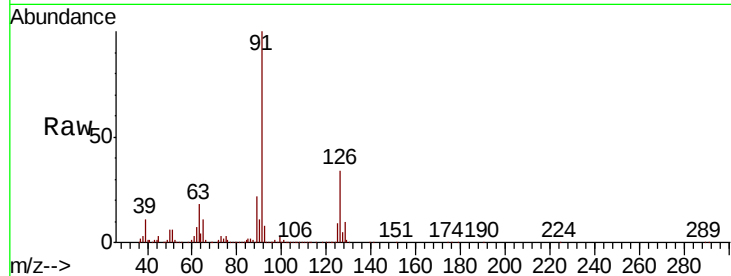




#71
 2-Chlorotoluene
 Concen: 8.617 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

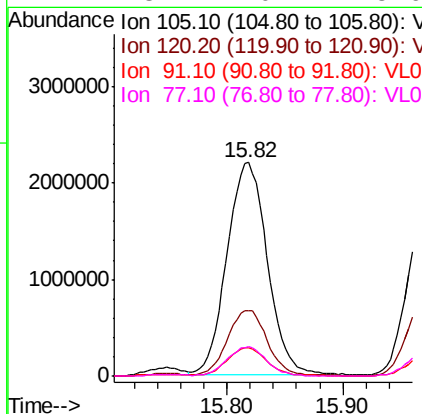
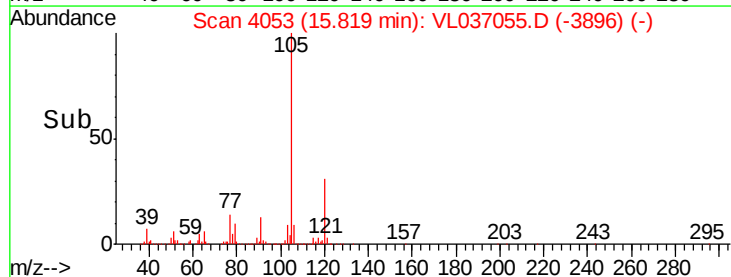
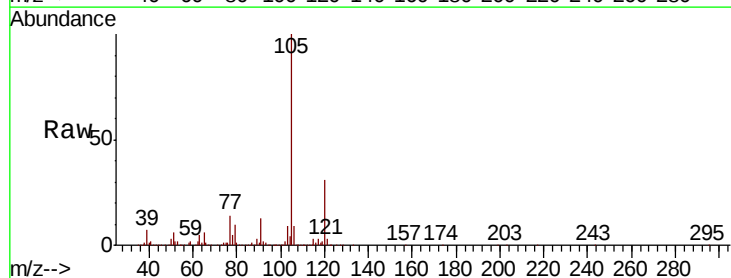
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

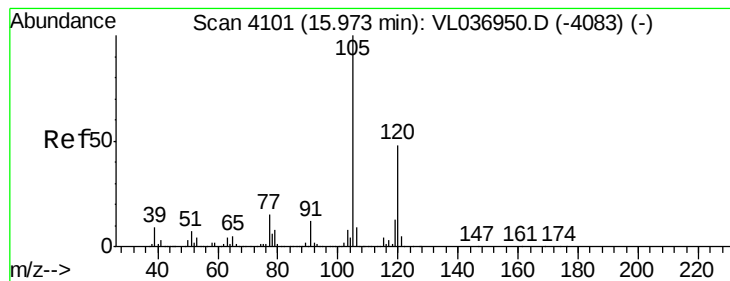
Tot Ion: 91 Resp: 4416046
 Ion Ratio Lower Upper
 91 100
 126 33.7 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 9.054 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 105 Resp: 5305170
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.6 37.0
 91 12.9 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.808 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

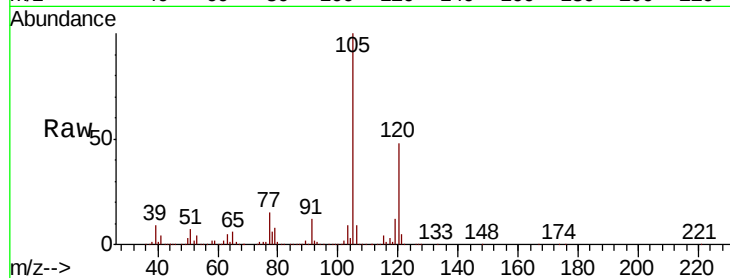
VSTDCCC010

Tot Ion:105 Resp: 4846886

Ion Ratio Lower Upper

105 100

120 47.5 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

1500000

1000000

500000

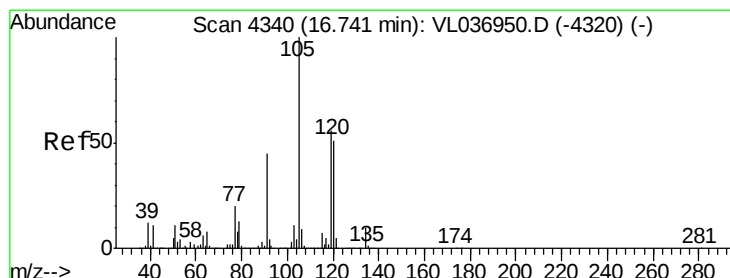
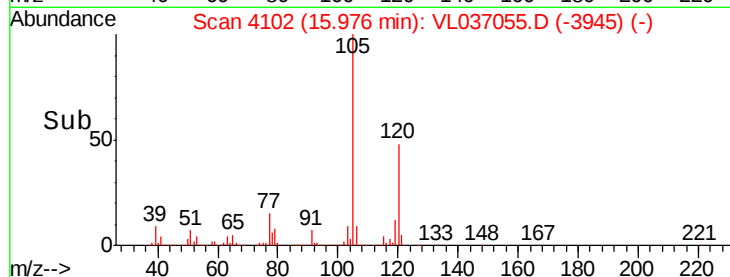
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.869 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion:105 Resp: 5045902

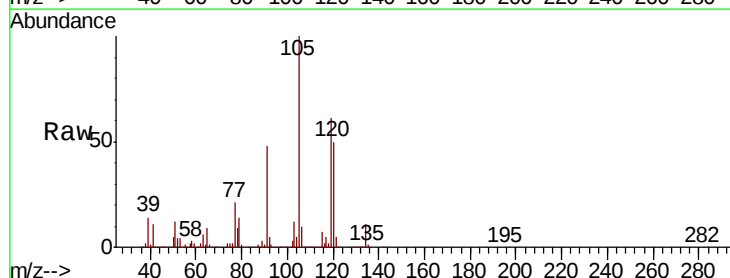
Ion Ratio Lower Upper

105 100

120 49.8 40.6 61.0

91 47.9 37.4 56.0

77 20.9 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

3000000

2500000

2000000

1500000

1000000

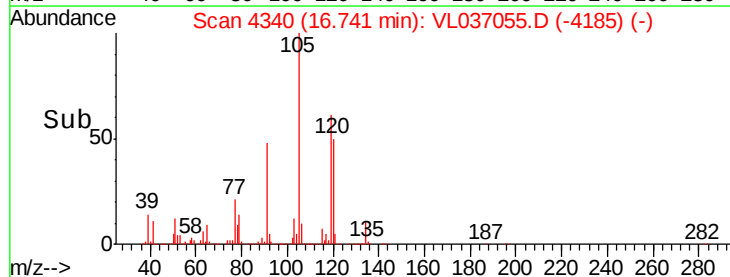
500000

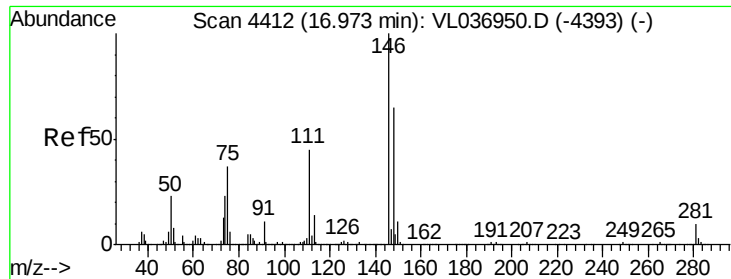
0

Time-->

16.70

16.80





#75

1,3-Dichlorobenzene

Concen: 9.029 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

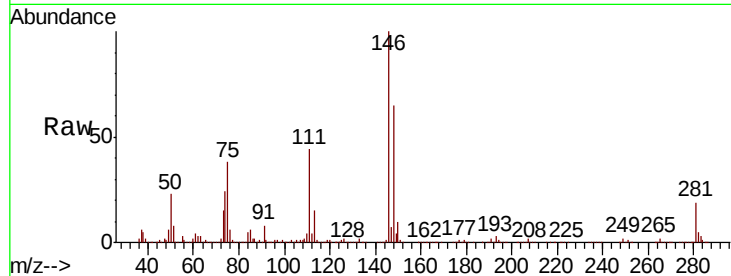
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3136777

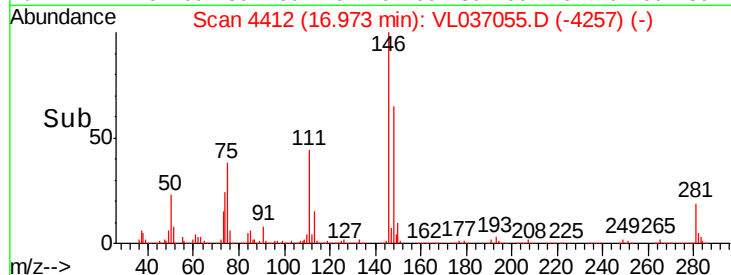
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	64.7	32.3	96.8



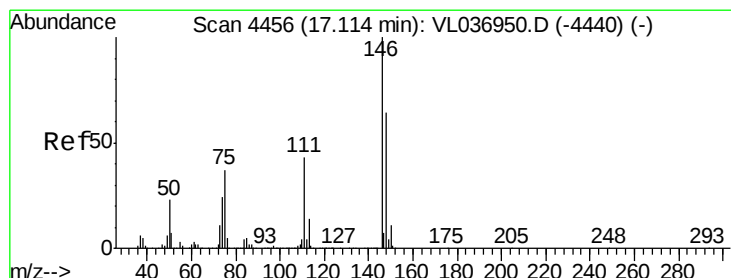
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 8.844 ppbv

RT: 17.11 min Scan# 4456

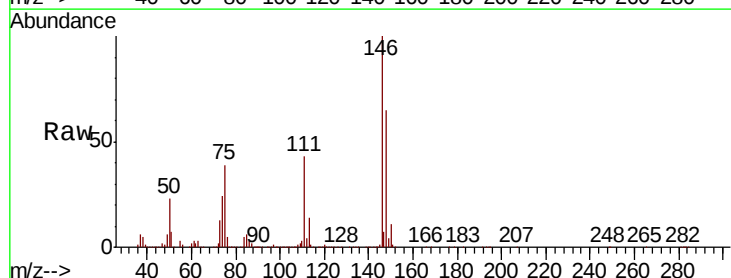
Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion:146 Resp: 3106731

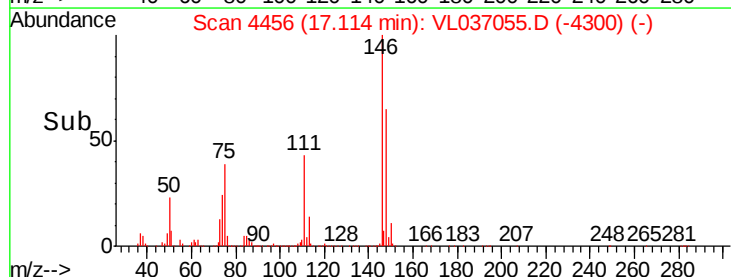
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.6	67.7
148	65.5	33.5	100.5



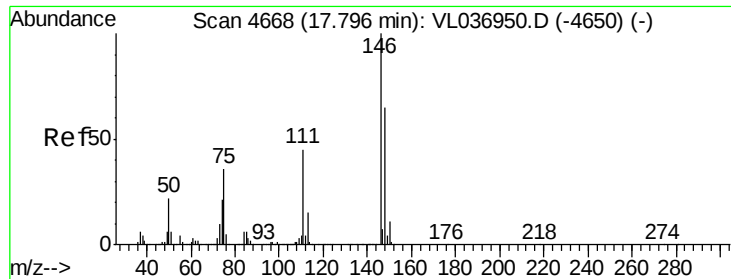
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#77

1,2-Dichlorobenzene

Concen: 8.775 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

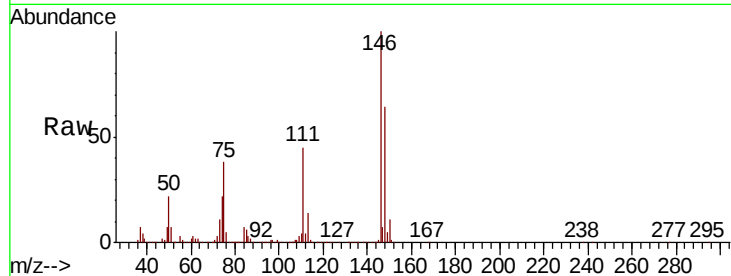
Tot Ion:146 Resp: 3054595

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.2

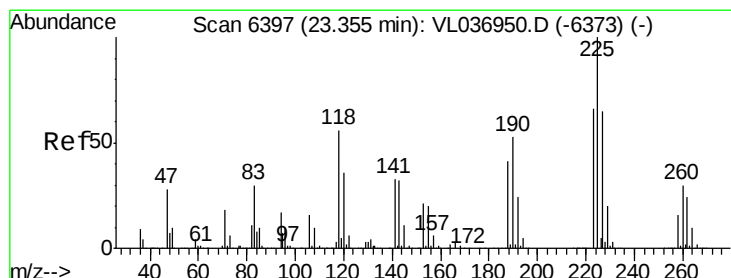
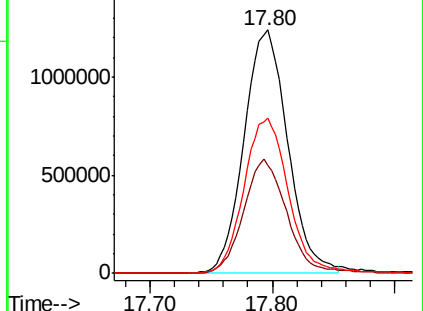
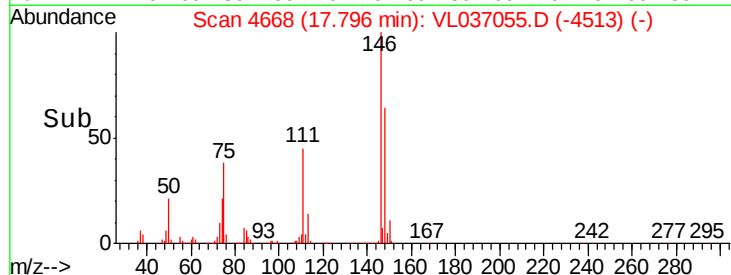
148 65.5 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.965 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

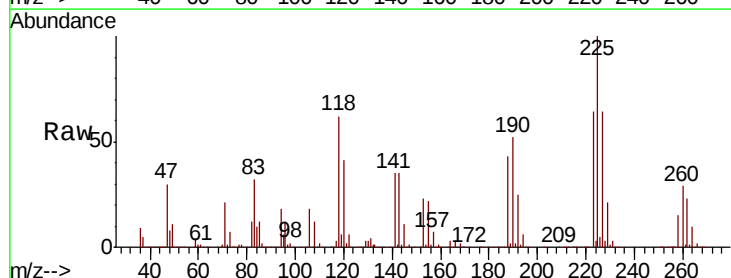
Tgt Ion:225 Resp: 2229679

Ion Ratio Lower Upper

225 100

223 64.2 51.9 77.9

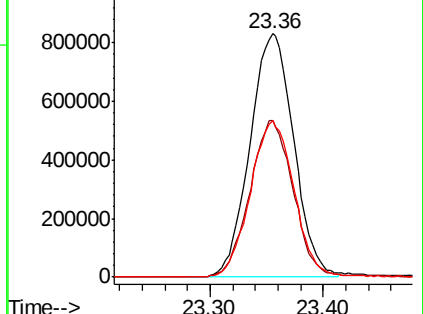
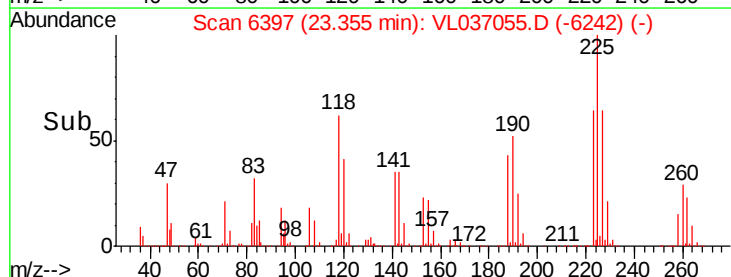
227 64.5 51.8 77.6

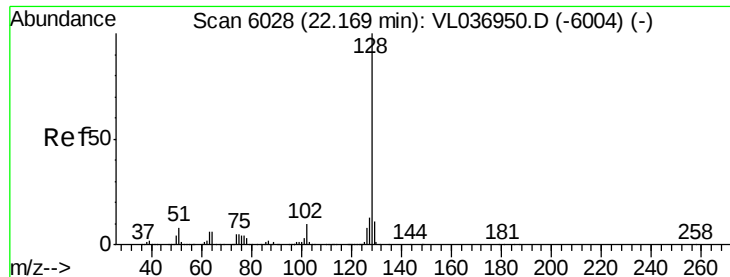


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.892 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

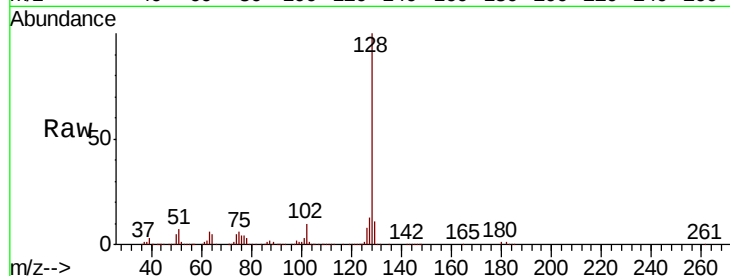
Tot Ion:128 Resp: 4415902

Ion Ratio Lower Upper

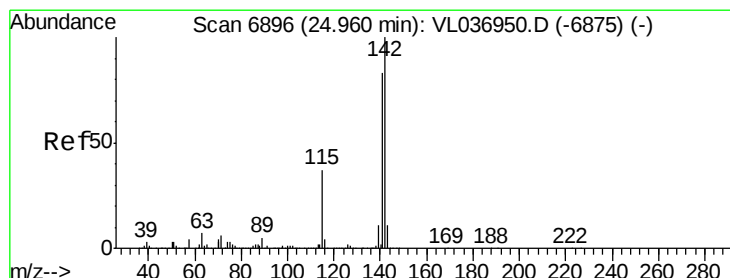
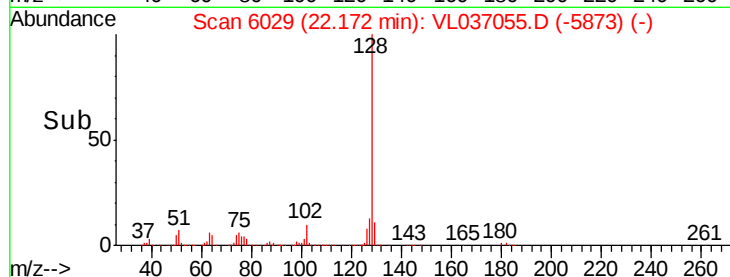
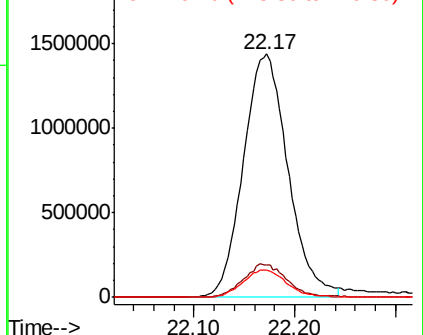
128 100

127 13.4 10.4 15.6

129 11.3 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: 11.251 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

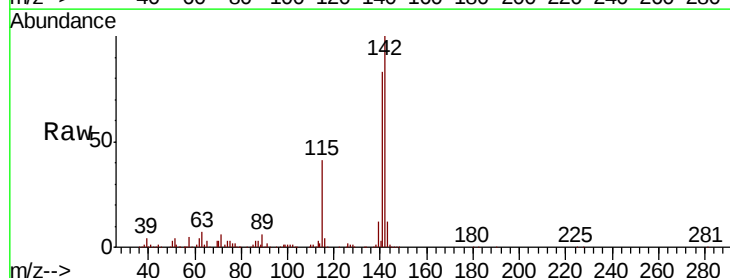
Tgt Ion:142 Resp: 1092141

Ion Ratio Lower Upper

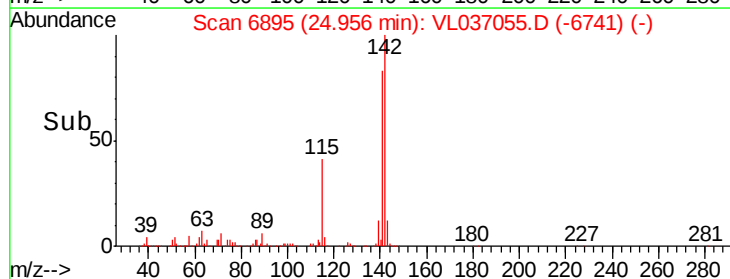
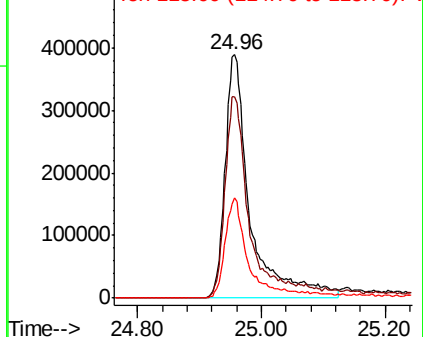
142 100

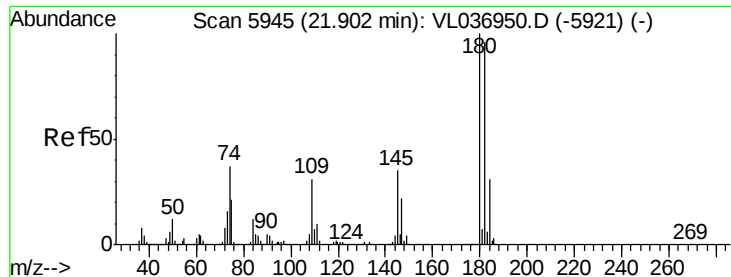
141 89.4 69.3 103.9

115 41.4 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: 9.305 ppbv

RT: 21.90 min Scan# 5945

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

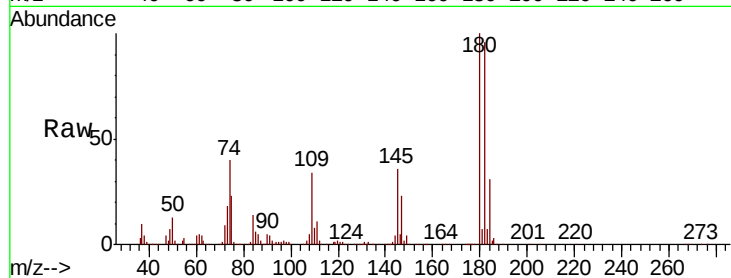
Tot Ion:180 Resp: 2532251

Ion Ratio Lower Upper

180 100

182 101.1 81.7 122.5

184 31.9 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

