

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036950.D
 Acq On : 18 May 2021 1:58
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: May 18 07:07:08 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 07:06:50 2021
 QLast Update : Tue May 18 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1382258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4073034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4764380	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3012171	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2069301	8.777	ppbv 100
3) Chlorodifluoromethane	2.98	51	2250259	8.283	ppbv 100
4) Chloromethane	3.13	50	792048	8.924	ppbv 100
5) Vinyl Chloride	3.24	62	852126	8.808	ppbv 100
6) Bromomethane	3.46	94	459759	9.421	ppbv 100
7) Chloroethane	3.54	64	306713	9.847	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	2002185	9.003	ppbv 100
9) Propene	3.00	41	825125	10.652	ppbv 100
10) Heptane	8.10	43	2029253	11.007	ppbv 100
11) Trichlorofluoromethane	3.93	101	2027672	9.553	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1433390	9.997	ppbv 100
13) Ethanol	3.60	45	92215	6.272	ppbv 100
14) Bromoethene	3.73	108	645966	11.230	ppbv 100
15) Acetone	3.84	43	1053476	8.115	ppbv 100
16) 1,3-Butadiene	3.31	39	818970	9.752	ppbv 100
17) tert-Butyl alcohol	4.28	59	1315074	10.961	ppbv 100
18) 1,1-Dichloroethene	4.27	96	662793	11.249	ppbv 100
19) Isopropyl Alcohol	3.96	45	680407	9.200	ppbv 99
20) Methylene Chloride	4.33	84	560838	5.291	ppbv 100
21) Allyl Chloride	4.39	41	998963	10.452	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	634613	10.500	ppbv 100
23) Vinyl Acetate	5.06	43	2177408	11.795	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1566217	11.165	ppbv 100
25) Ethyl Acetate	5.66	43	3041316	9.483	ppbv 100
26) Hexane	5.67	57	1487837	9.033	ppbv 100
27) Carbon Disulfide	4.53	76	1681130	11.527	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1954363	12.280	ppbv 100
29) Chloroform	5.74	83	2238544	9.058	ppbv 100
30) Cyclohexane	7.11	84	1339599	10.633	ppbv 100
31) cis-1,2-Dichloroethene	5.53	61	1437334	11.139	ppbv 100
32) 1,1,1-Trichloroethane	6.49	97	2324399	8.823	ppbv 100
34) 2-Butanone	5.23	43	1392791	8.942	ppbv 100
35) Carbon Tetrachloride	7.00	117	2373345	7.455	ppbv 100
36) Benzene	6.87	78	3170651	9.691	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1630311	8.400	ppbv 100
38) Trichloroethene	7.81	130	1226247	9.137	ppbv 100
39) 1,2-Dichloropropane	7.59	63	1232110	9.192	ppbv 100
40) 1,4-Dioxane	7.82	88	246890	7.064	ppbv # 100
41) Tetrahydrofuran	6.03	42	779365	12.253	ppbv 100
42) Bromodichloromethane	7.77	83	2469289	8.641	ppbv 100
43) Methyl Methacrylate	8.00	69	1160683	12.189	ppbv 100

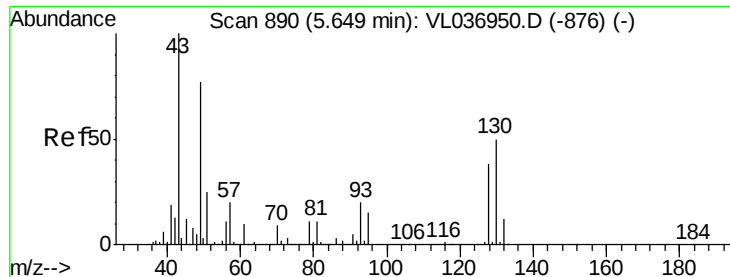
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5192958	8.928	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	943493	10.973	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1225259	10.177	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1289232	8.770	ppbv	100
48) Dibromochloromethane	10.28	129	2215304	10.017	ppbv	100
49) Bromoform	13.02	173	1883595	10.347	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2288853	10.737	ppbv	100
51) 2-Hexanone	10.11	43	1237998	13.630	ppbv #	99
52) Tetrachloroethene	11.20	164	1214642	10.100	ppbv	100
53) Toluene	9.78	91	3696546	11.326	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1885844	9.825	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1477167	6.743	ppbv	100
57) Chlorobenzene	12.12	112	2675911	6.654	ppbv	100
58) Ethyl Benzene	12.69	91	4902252	8.656	ppbv	100
59) m/p-Xylene	12.97	91	4477802	8.413	ppbv #	45
60) o-Xylene	13.67	91	3794022	7.370	ppbv	100
61) Styrene	13.51	104	2334293	11.042	ppbv	100
62) Isopropylbenzene	14.64	105	5385124	7.671	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2632691	5.412	ppbv	100
64) n-propylbenzene	15.54	120	1474124	8.485	ppbv	100
65) tert-Butylbenzene	16.72	119	4804482	7.717	ppbv	100
66) Benzyl Chloride	16.96	91	311140	5.490	ppbv	99
67) sec-Butylbenzene	17.27	105	6635980	7.544	ppbv	100
69) p-Isopropyltoluene	17.63	119	5773988	8.626	ppbv	100
70) n-Butylbenzene	18.53	91	5682228	8.468	ppbv	100
71) 2-Chlorotoluene	15.43	91	4027032	8.023	ppbv	100
72) 4-Ethyltoluene	15.82	105	4756472	8.918	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4286473	8.225	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4392220	7.676	ppbv	100
75) 1,3-Dichlorobenzene	16.97	146	2768597	7.463	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2669817	8.055	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2699076	8.036	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1979108	6.598	ppbv	100
79) Naphthalene	22.17	128	4094970	15.843	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	865210	22.841	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	2304355	12.458	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

Lab File: VL036950.D

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MSVOA_L

ClientSampleId :

VSTDICCC010

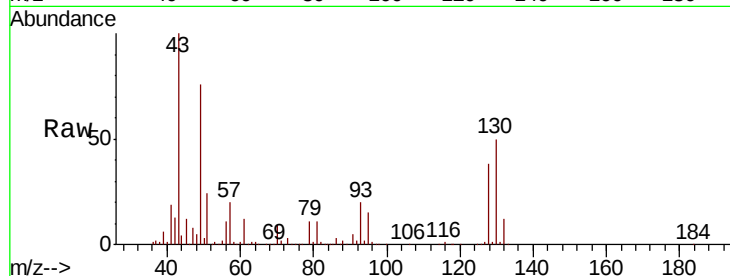
Tot Ion: 49 Resp: 1382258

Ion Ratio Lower Upper

49 100

128 54.3 26.9 80.7

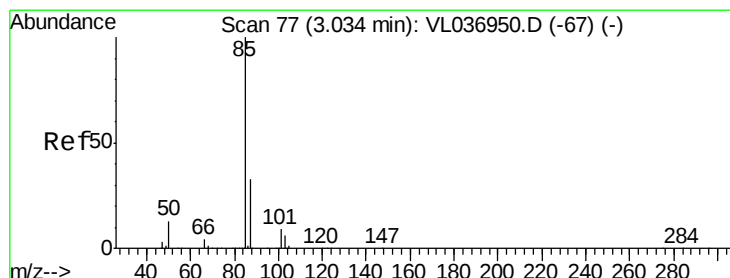
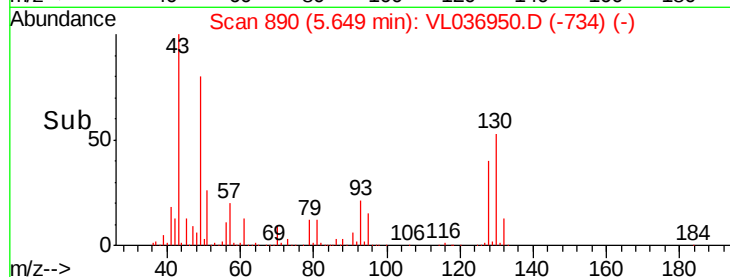
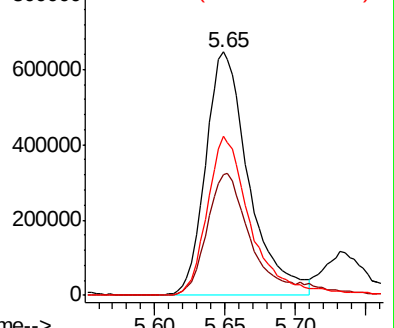
130 67.1 33.8 101.4



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: 8.777 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036950.D

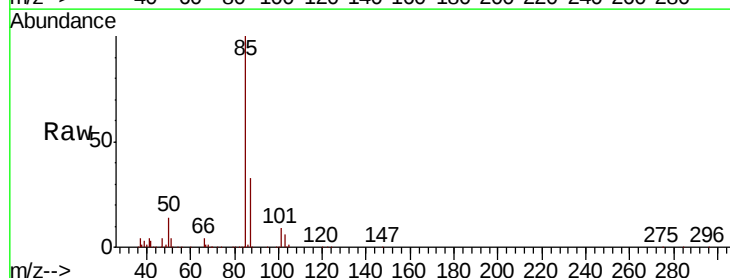
Acq: 18 May 2021 1:58

Tgt Ion: 85 Resp: 2069301

Ion Ratio Lower Upper

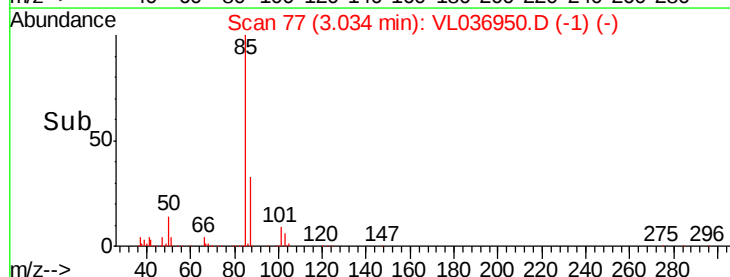
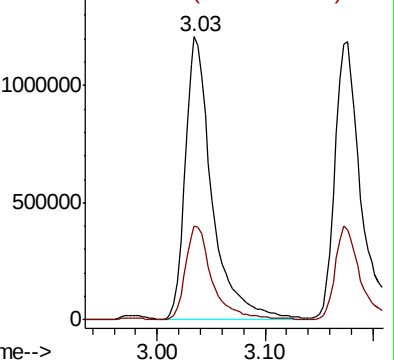
85 100

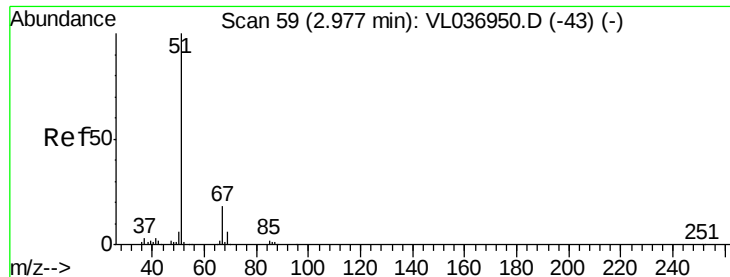
87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.283 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

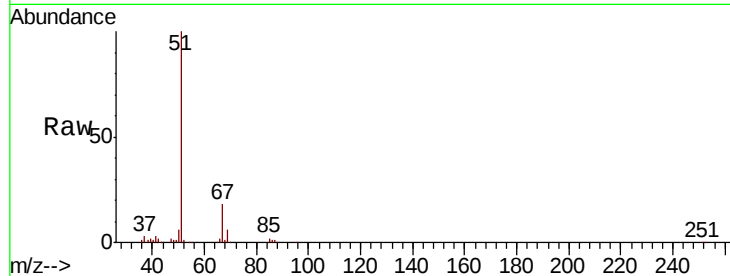
VSTDICCC010

Tot Ion: 51 Resp: 2250259

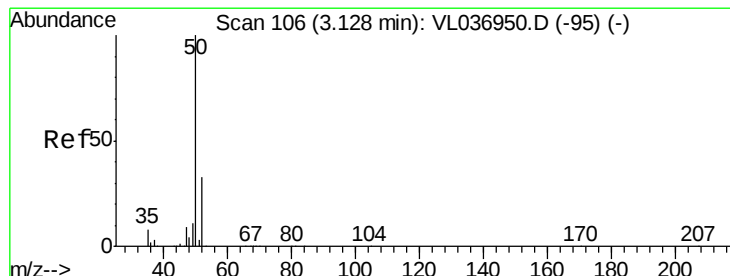
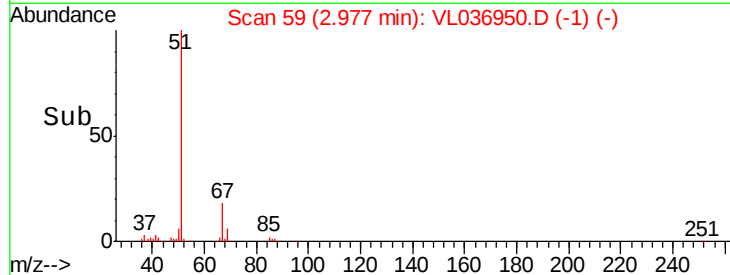
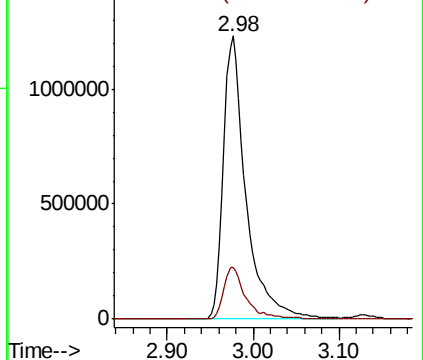
Ion Ratio Lower Upper

51 100

67 18.2 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: 8.924 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL036950.D

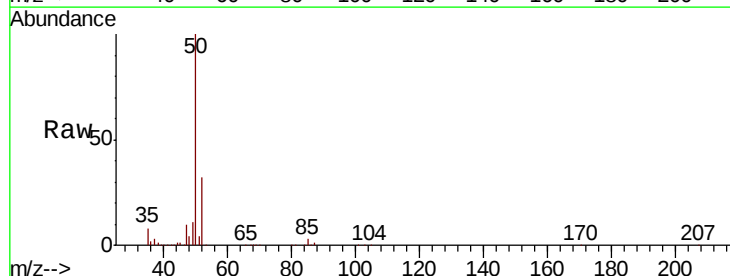
Acq: 18 May 2021 1:58

Tgt Ion: 50 Resp: 792048

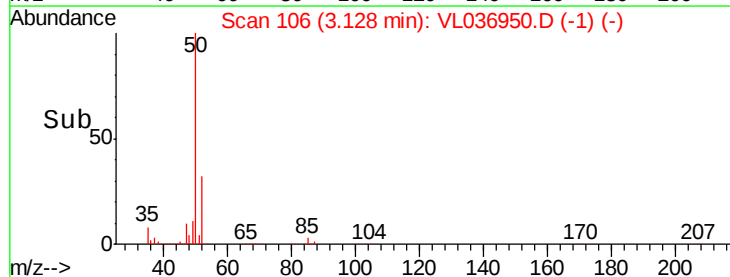
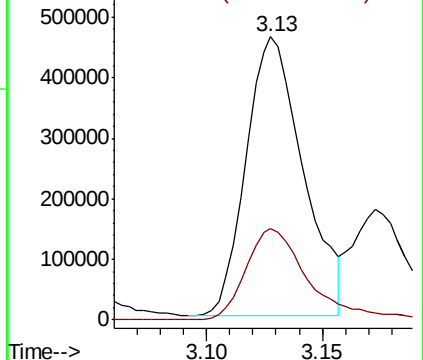
Ion Ratio Lower Upper

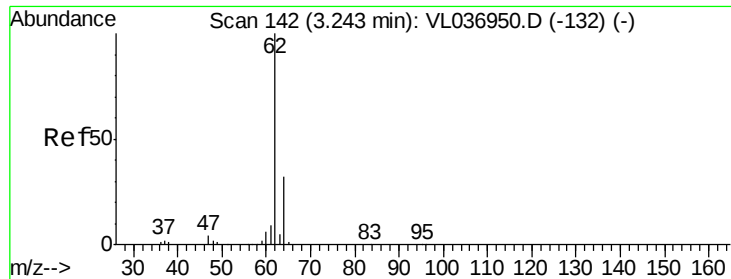
50 100

52 32.6 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: 8.808 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

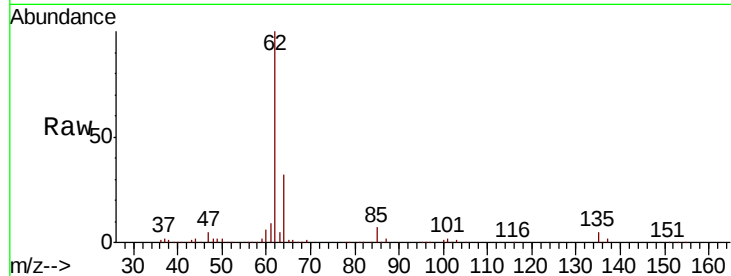
VSTDICCC010

Tot Ion: 62 Resp: 852126

Ion Ratio Lower Upper

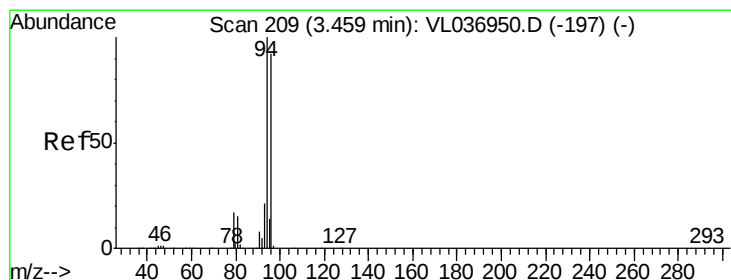
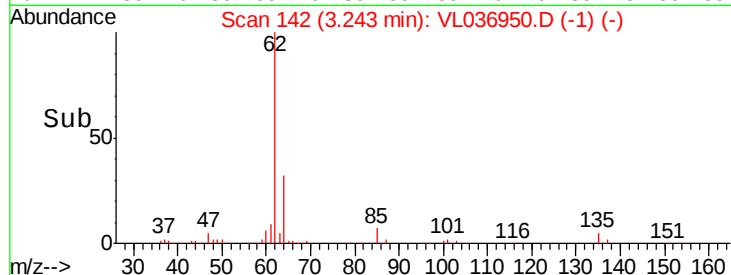
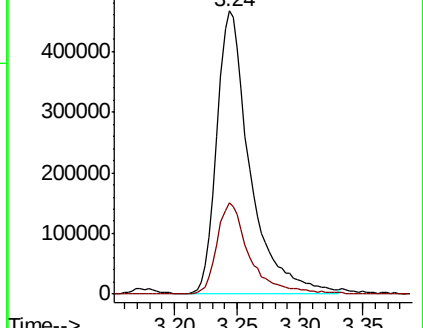
62 100

64 32.4 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.421 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036950.D

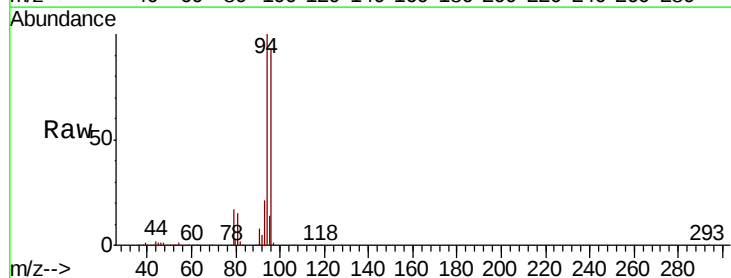
Acq: 18 May 2021 1:58

Tgt Ion: 94 Resp: 459759

Ion Ratio Lower Upper

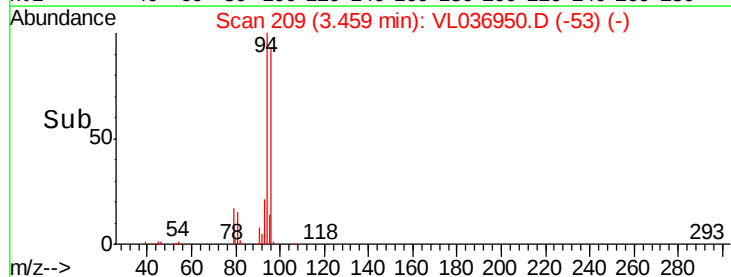
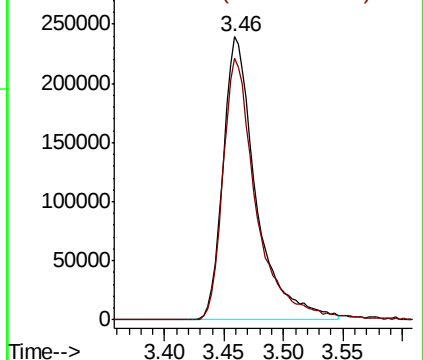
94 100

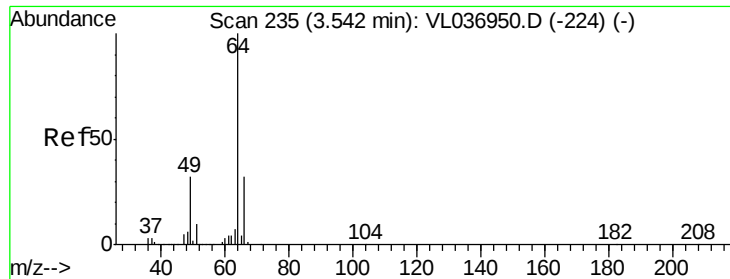
96 92.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.847 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

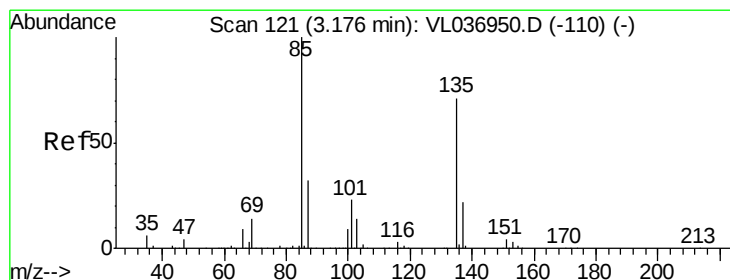
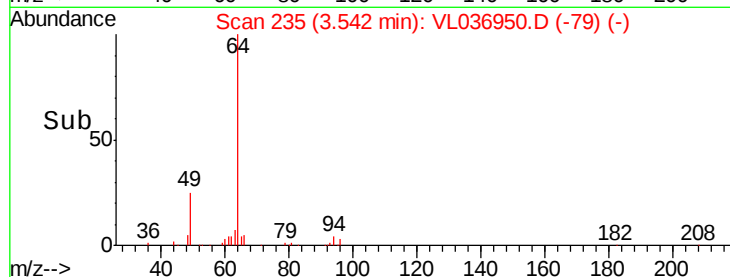
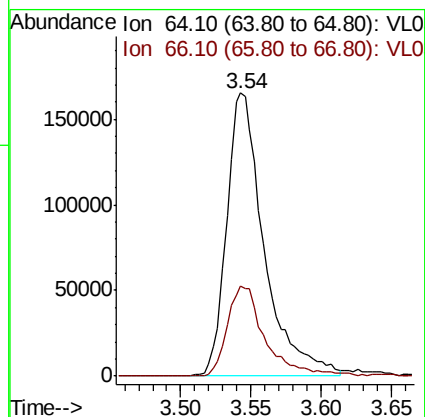
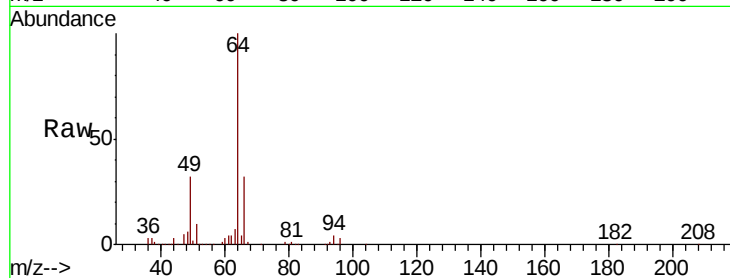
VSTDICCC010

Tot Ion: 64 Resp: 306713

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.003 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL036950.D

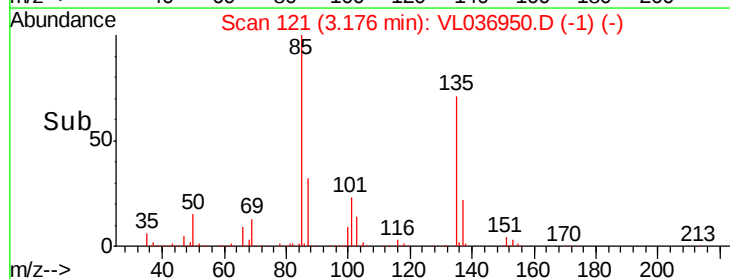
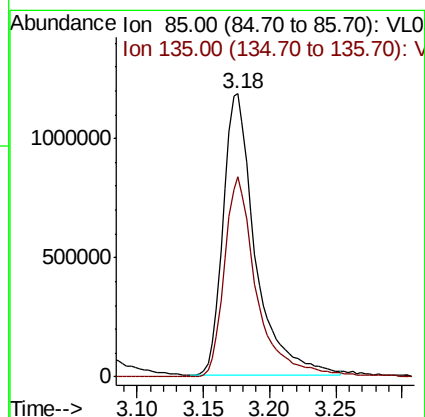
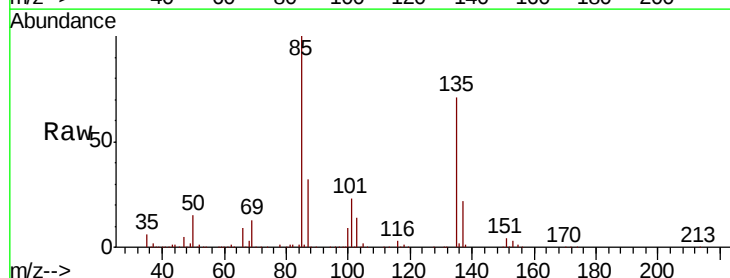
Acq: 18 May 2021 1:58

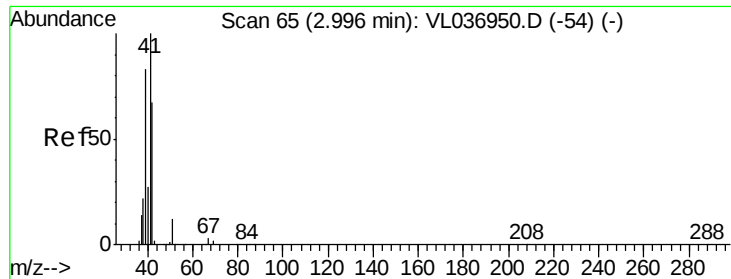
Tgt Ion: 85 Resp: 2002185

Ion Ratio Lower Upper

85 100

135 72.1 57.7 86.5





#9

Propene

Concen: 10.652 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

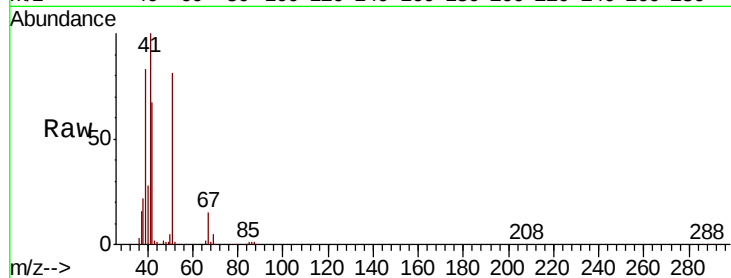
VSTDICCC010

Tot Ion: 41 Resp: 825125

Ion Ratio Lower Upper

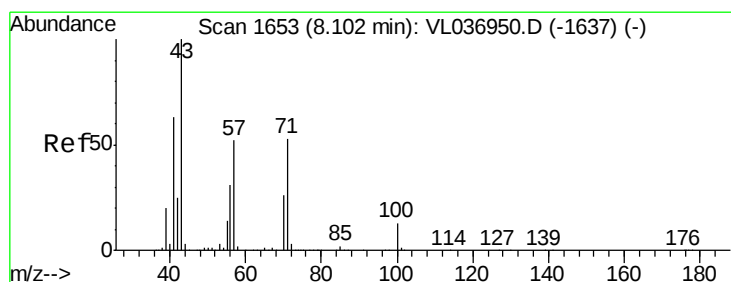
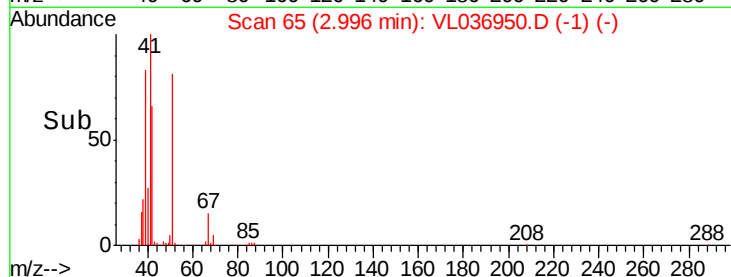
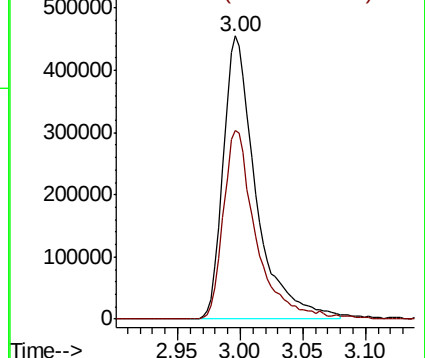
41 100

42 67.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.007 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL036950.D

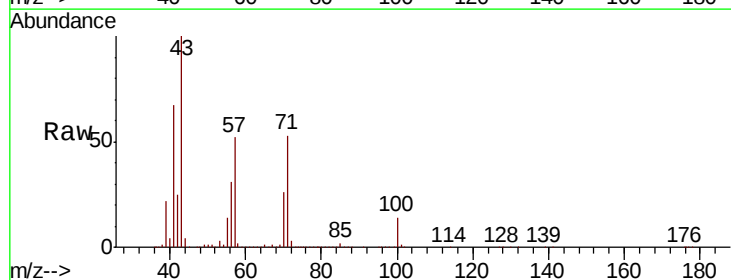
Acq: 18 May 2021 1:58

Tgt Ion: 43 Resp: 2029253

Ion Ratio Lower Upper

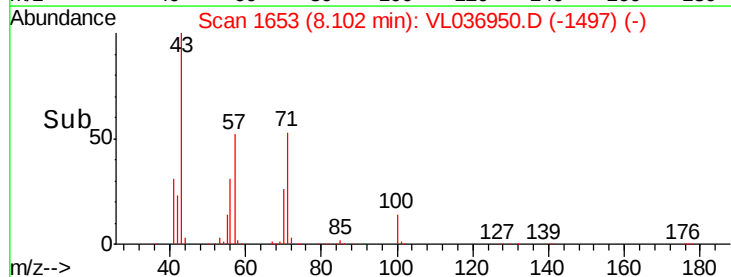
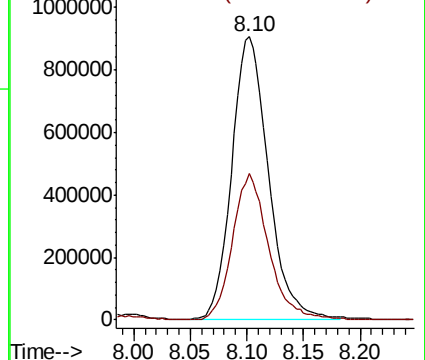
43 100

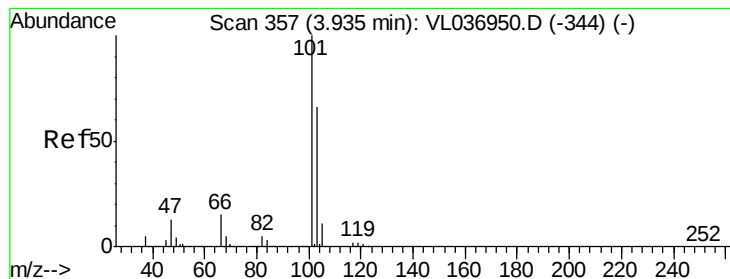
57 51.3 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.553 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

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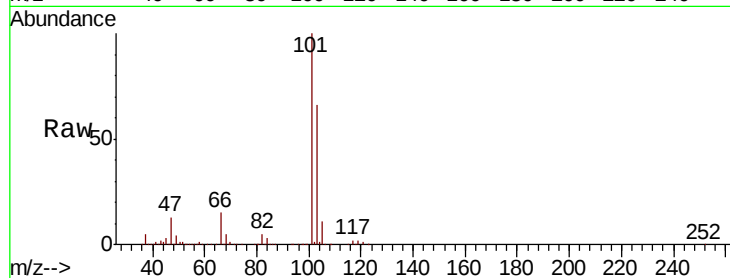
VSTDICCC010

Tot Ion:101 Resp: 2027672

Ion Ratio Lower Upper

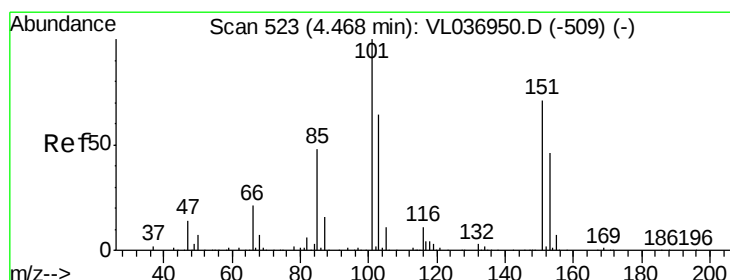
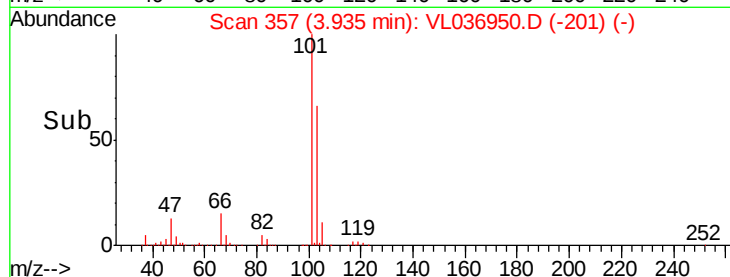
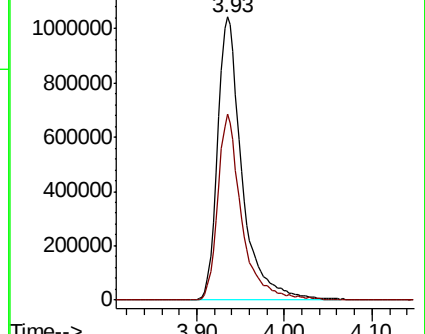
101 100

103 65.8 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: 9.997 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL036950.D

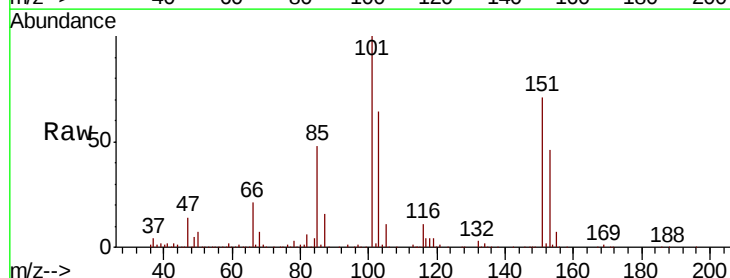
Acq: 18 May 2021 1:58

Tgt Ion:101 Resp: 1433390

Ion Ratio Lower Upper

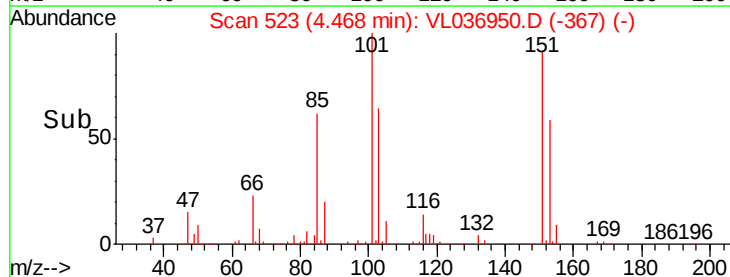
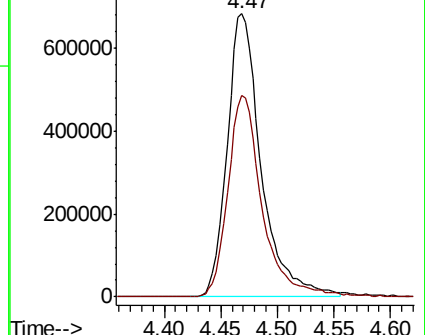
101 100

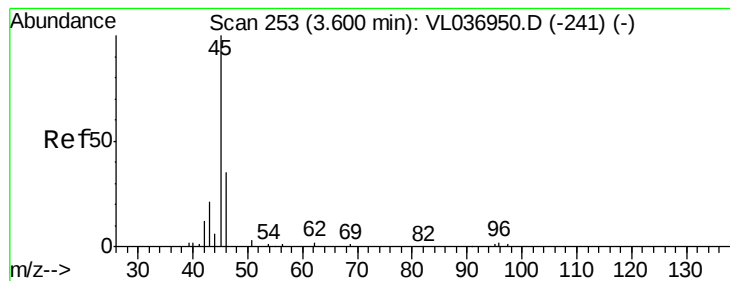
151 72.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.272 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

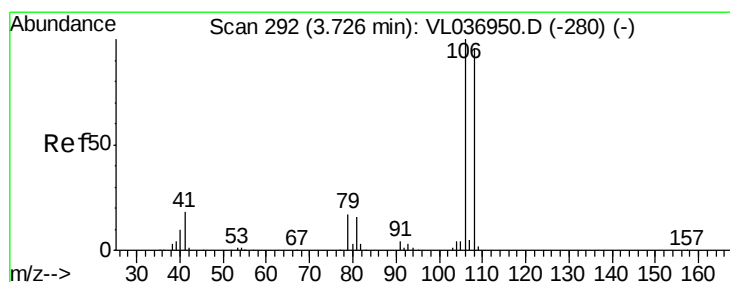
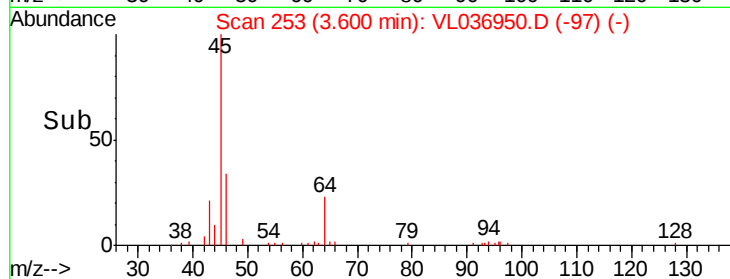
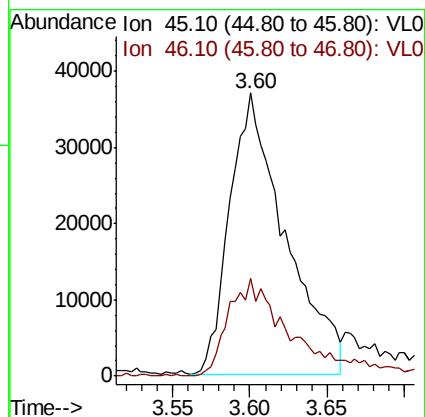
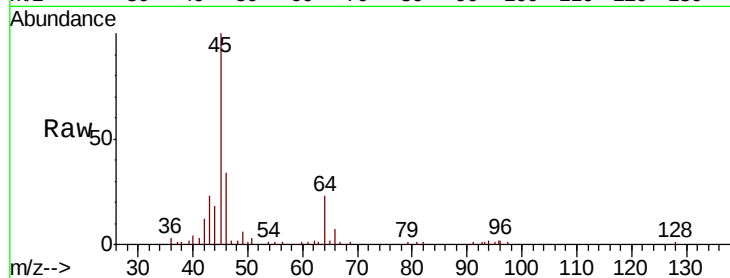
VSTDICCC010

Tot Ion: 45 Resp: 92215

Ion Ratio Lower Upper

45 100

46 40.8 16.3 65.3



#14

Bromoethene

Concen: 11.230 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

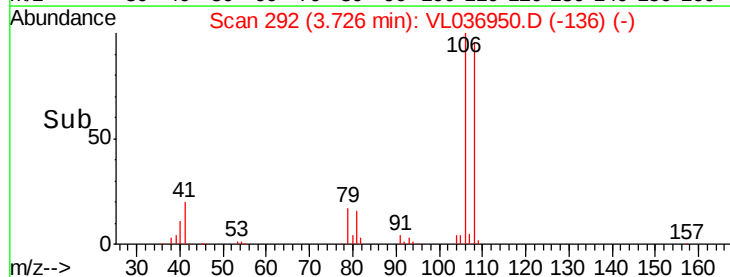
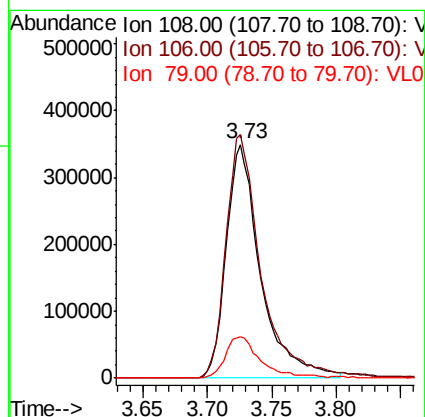
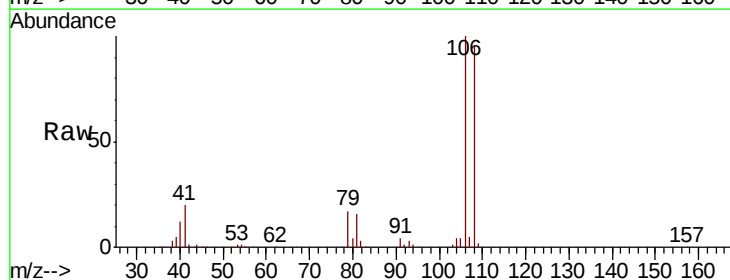
Tgt Ion: 108 Resp: 645966

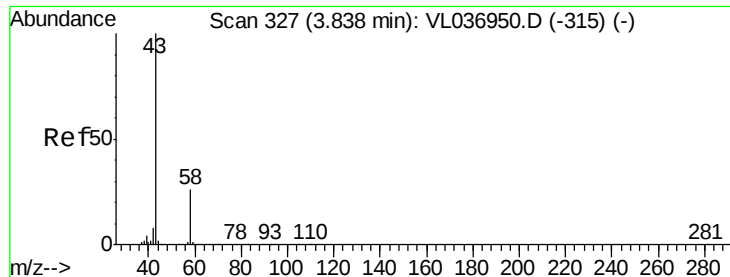
Ion Ratio Lower Upper

108 100

106 108.1 86.5 129.7

79 18.7 15.0 22.4





#15

Acetone

Concen: 8.115 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

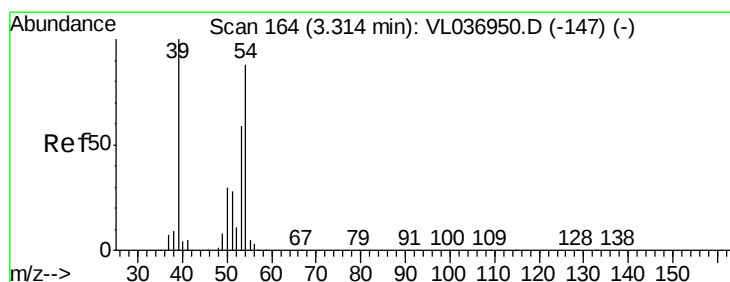
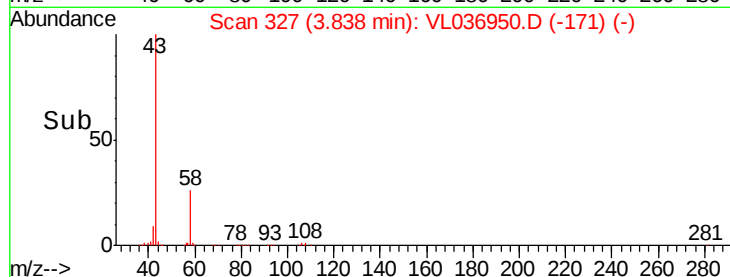
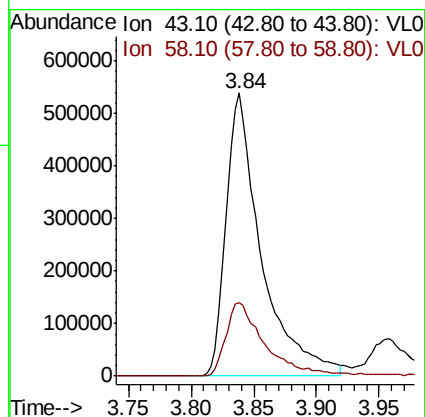
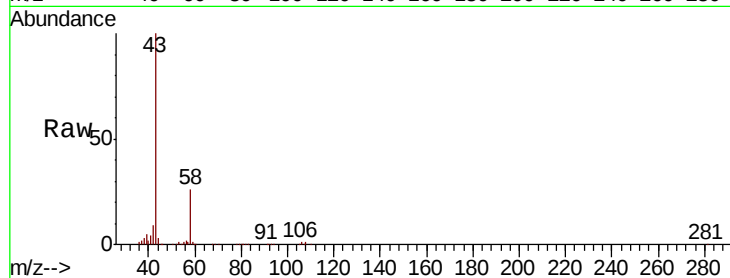
VSTDICCC010

Tot Ion: 43 Resp: 1053476

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0



#16

1,3-Butadiene

Concen: 9.752 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036950.D

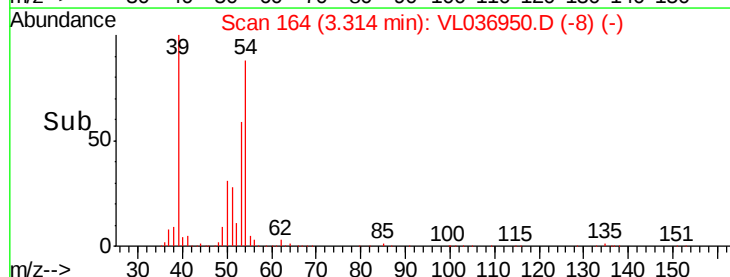
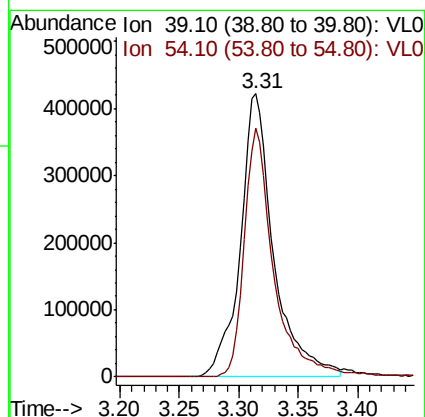
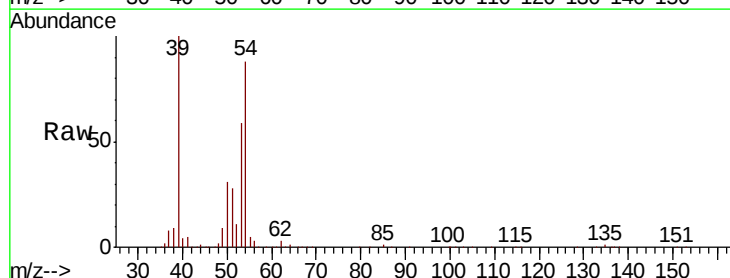
Acq: 18 May 2021 1:58

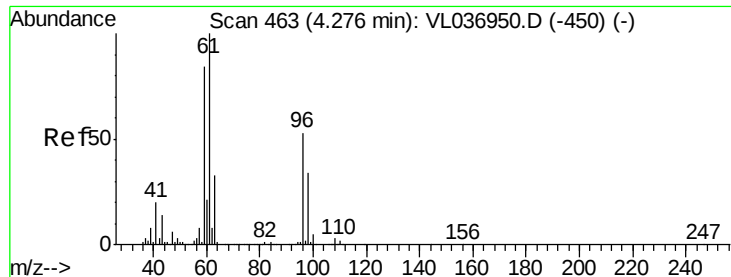
Tgt Ion: 39 Resp: 818970

Ion Ratio Lower Upper

39 100

54 79.0 63.2 94.8



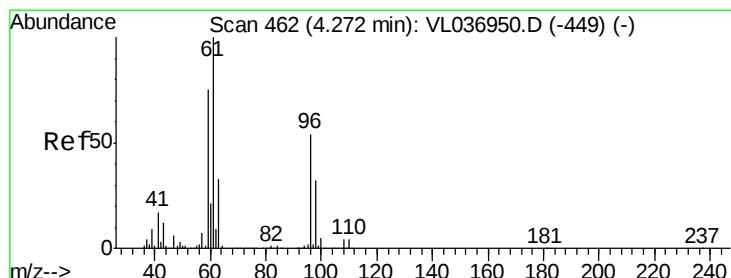
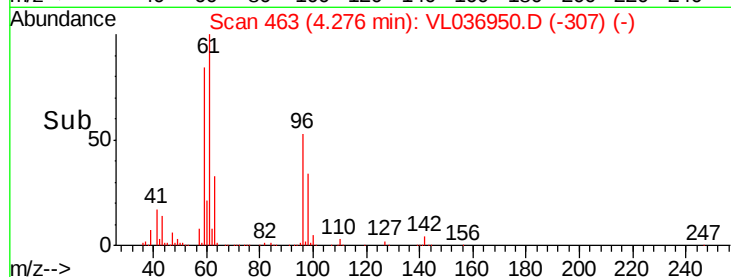
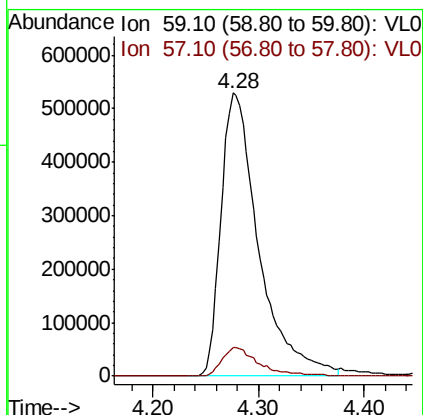
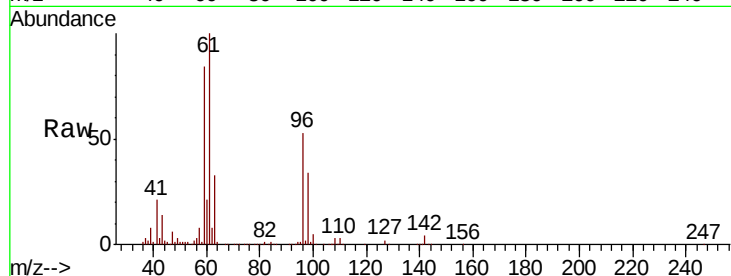


#17

tert-Butyl alcohol
 Concen: 10.961 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

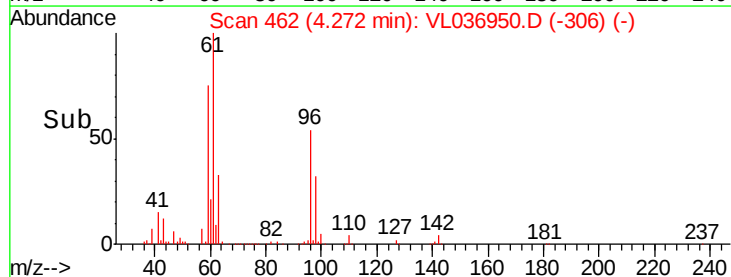
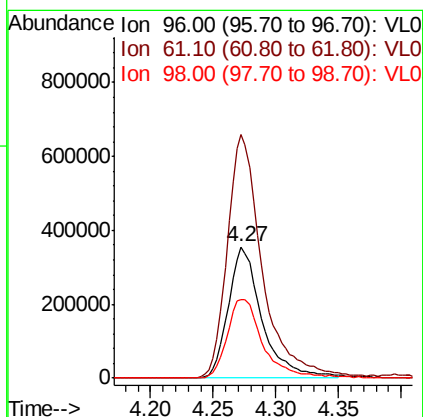
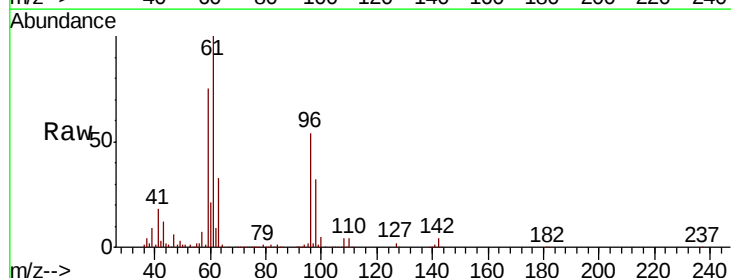
Tot Ion: 59 Resp: 1315074
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

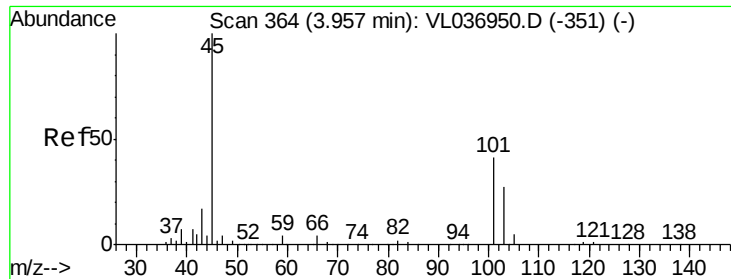


#18

1,1-Dichloroethene
 Concen: 11.249 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 96 Resp: 662793
 Ion Ratio Lower Upper
 96 100
 61 185.3 148.2 222.4
 98 59.7 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.200 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

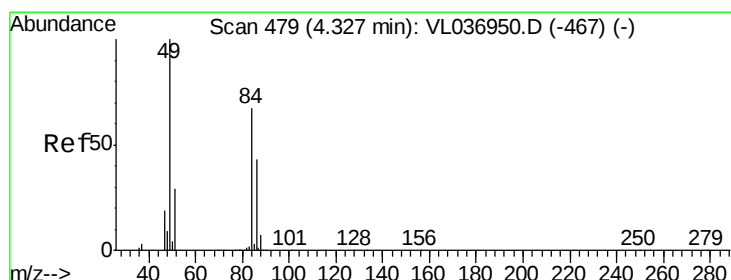
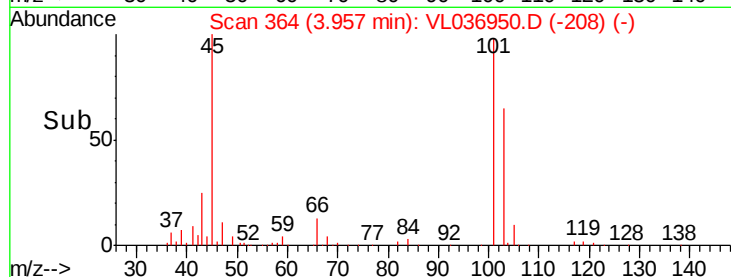
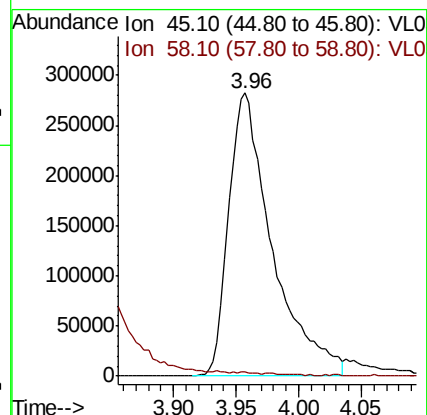
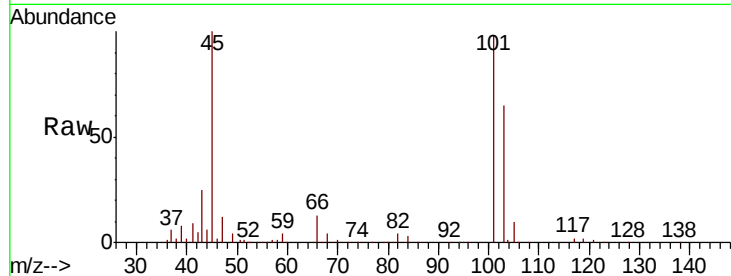
VSTDICCC010

Tot Ion: 45 Resp: 680407

Ion Ratio Lower Upper

45 100

58 46.0 37.2 55.8



#20

Methylene Chloride

Concen: 5.291 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion: 84 Resp: 560838

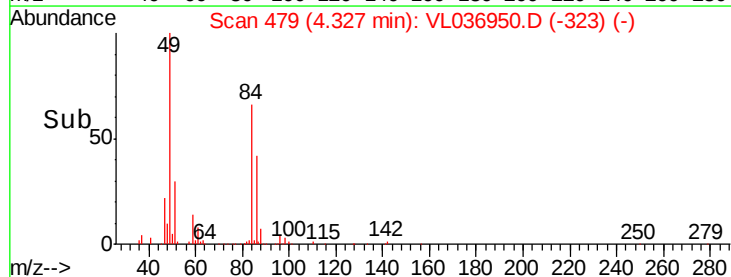
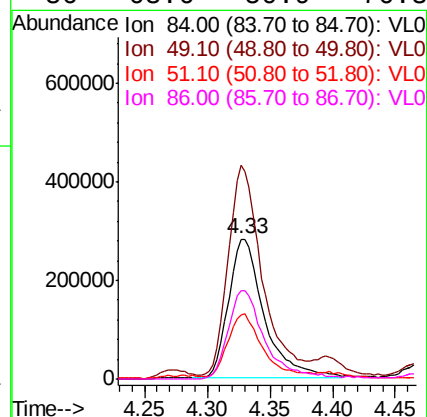
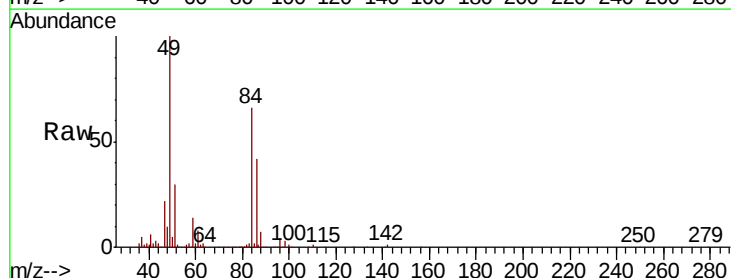
Ion Ratio Lower Upper

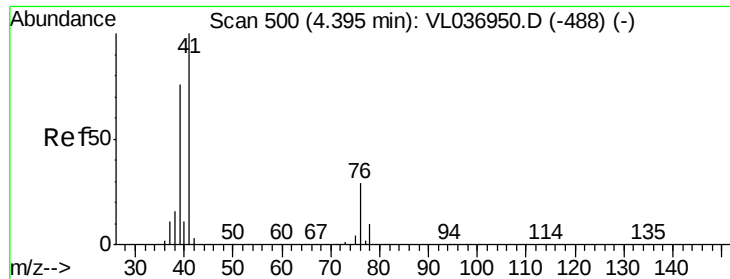
84 100

49 149.7 119.8 179.6

51 43.9 35.1 52.7

86 63.6 50.9 76.3





#21

Allvl Chloride

Concen: 10.452 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

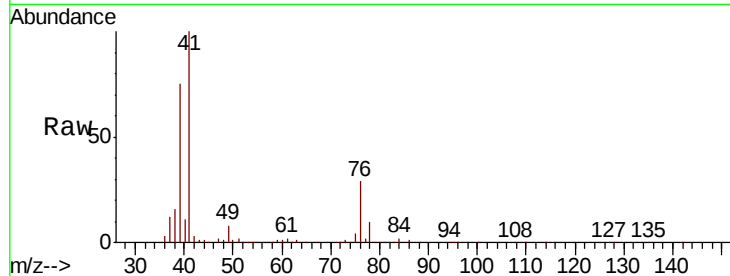
Tot Ion: 41 Resp: 998963

Ion Ratio Lower Upper

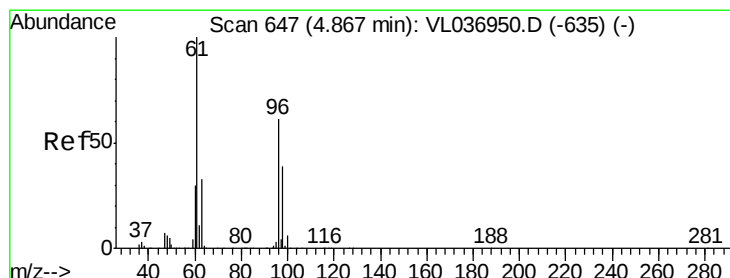
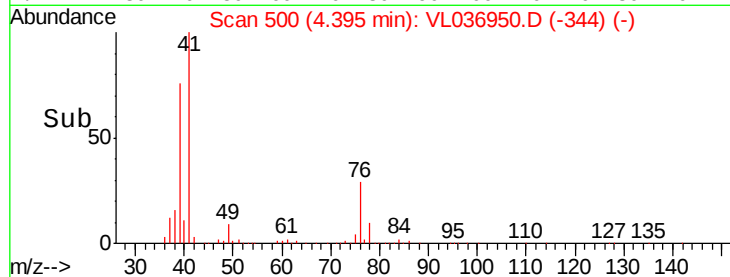
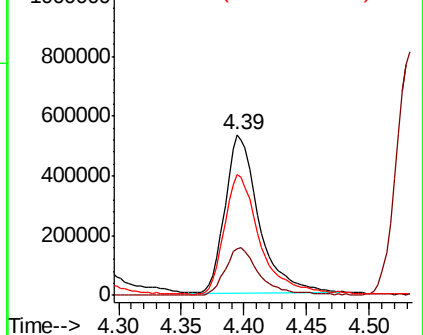
41 100

76 31.1 24.9 37.3

39 82.5 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: 10.500 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

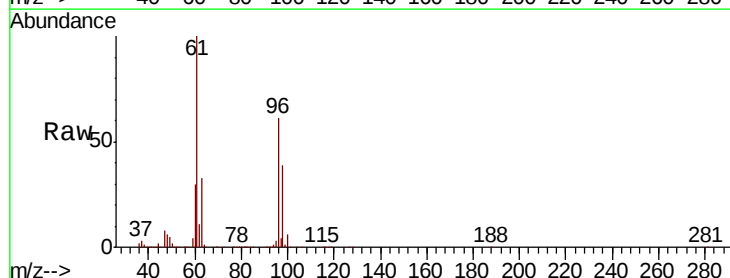
Tgt Ion: 96 Resp: 634613

Ion Ratio Lower Upper

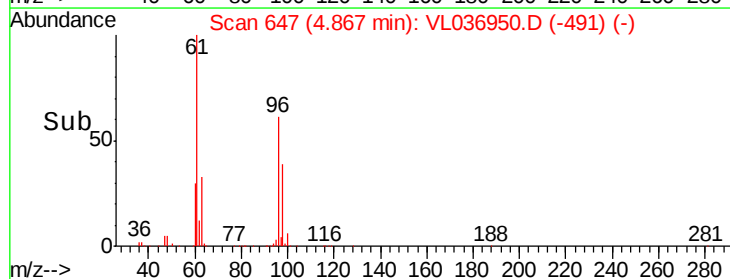
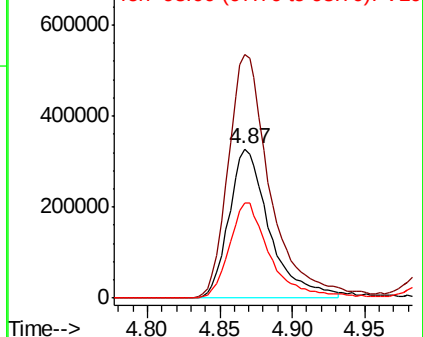
96 100

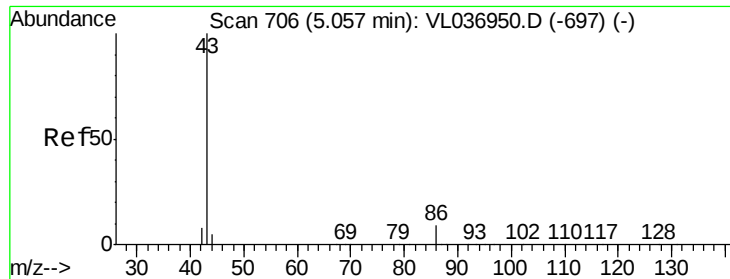
61 163.3 130.6 196.0

98 63.5 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: 11.795 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2177408

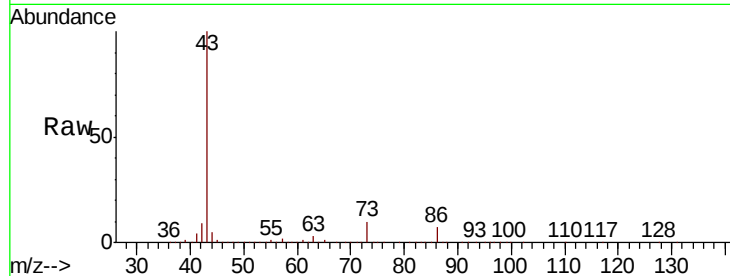
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.3	7.4	11.2
44	4.1	3.3	4.9

43 100

86 7.3 5.8 8.8

42 9.3 7.4 11.2

44 4.1 3.3 4.9

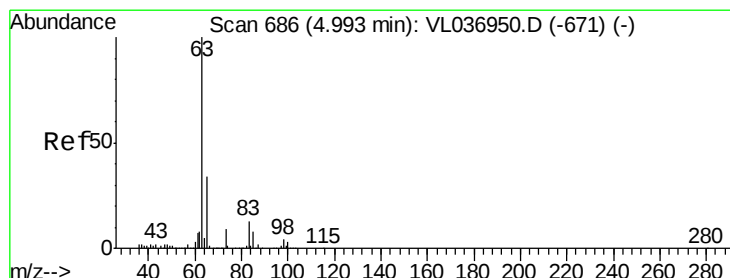
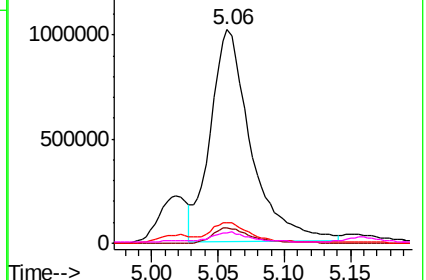
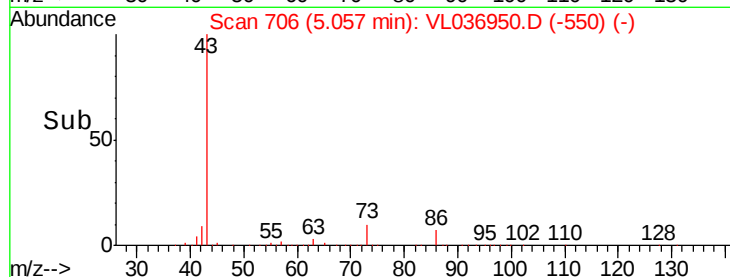


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.165 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

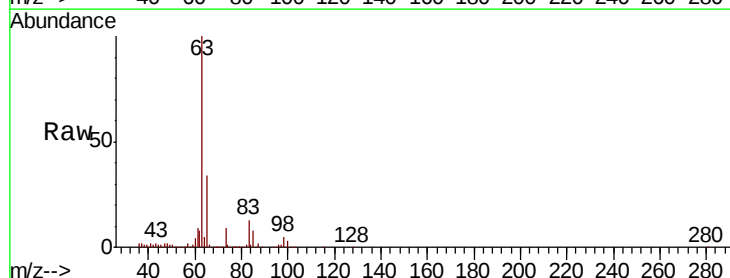
Tgt Ion: 63 Resp: 1566217

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.7	1.4	4.0

63 100

98 4.6 2.3 6.9

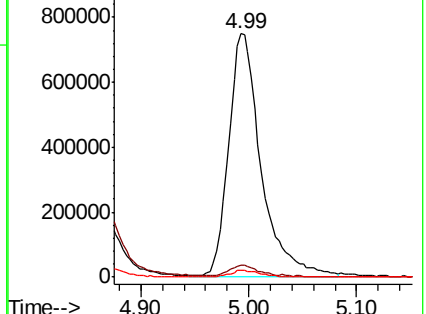
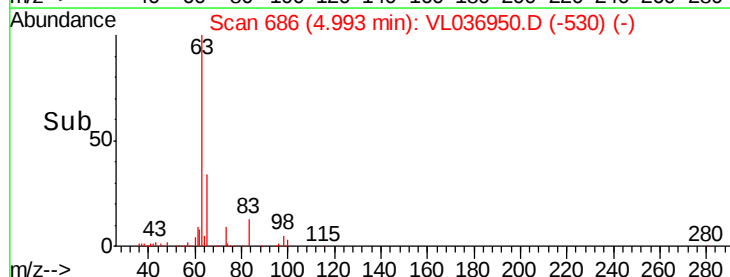
100 2.7 1.4 4.0

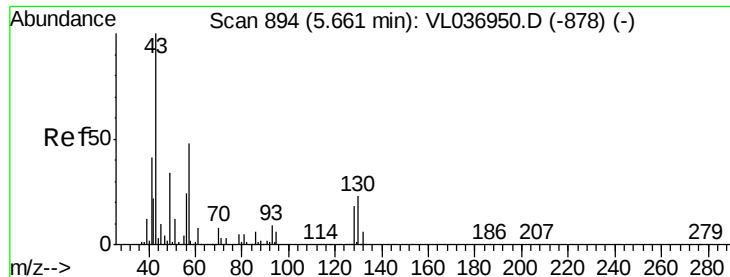


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



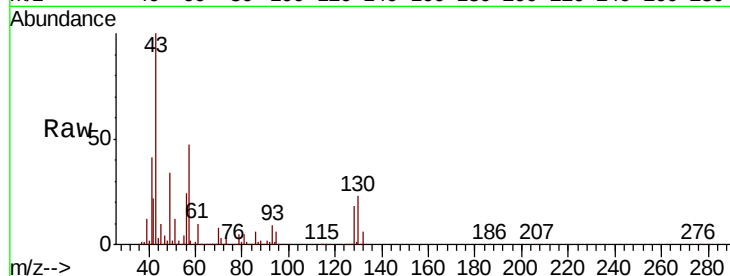


#25
Ethyl Acetate
Concen: 9.483 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 3041316

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.7	7.8	11.8
70	7.0	5.6	8.4



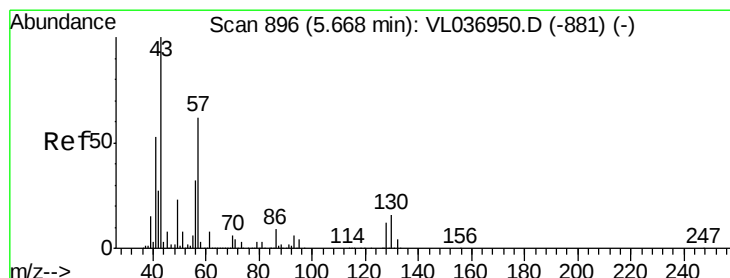
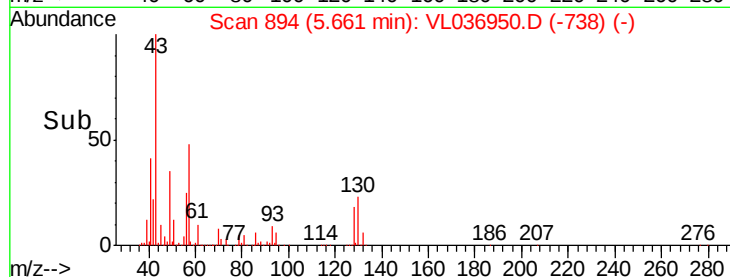
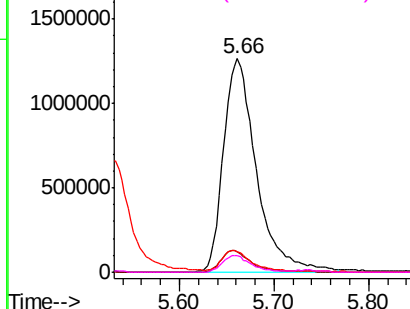
Abundance

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

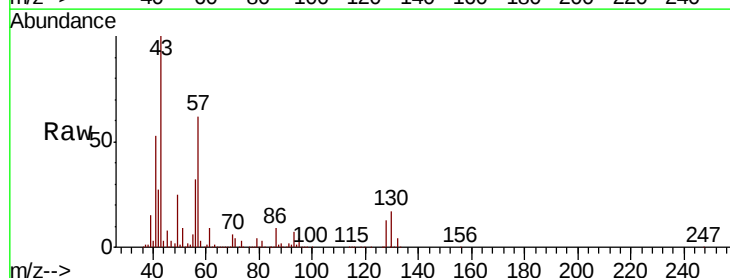
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.033 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 57 Resp: 1487837

Ion	Ratio	Lower	Upper
57	100		
41	88.3	70.5	105.7
43	207.3	165.8	248.8
56	52.8	42.2	63.4



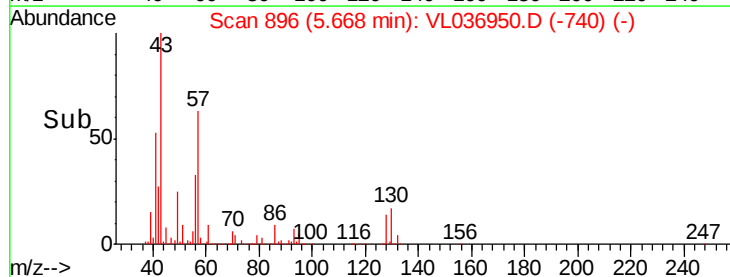
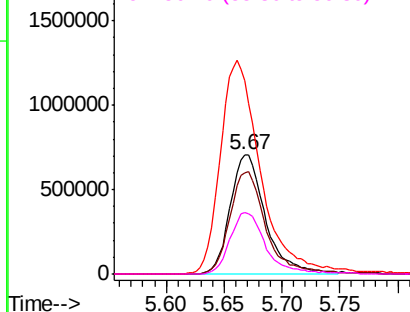
Abundance

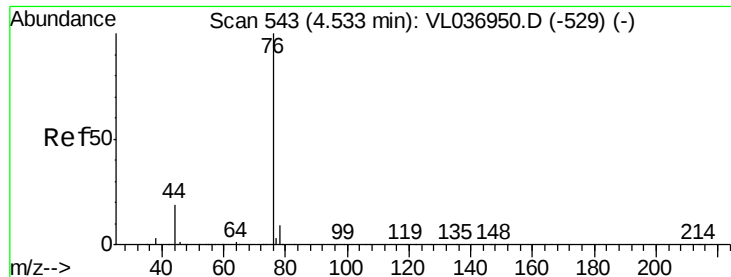
Ion 57.10 (56.80 to 57.80): VL0

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

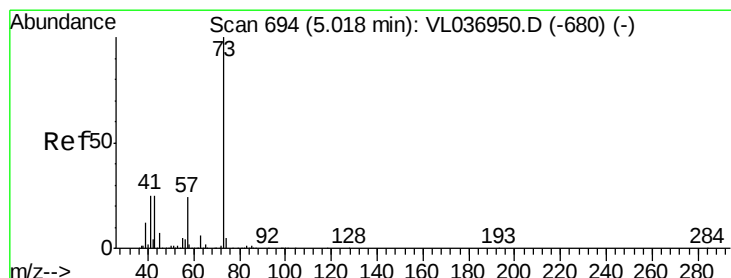
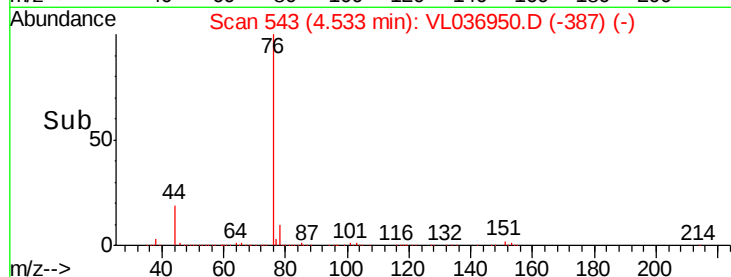
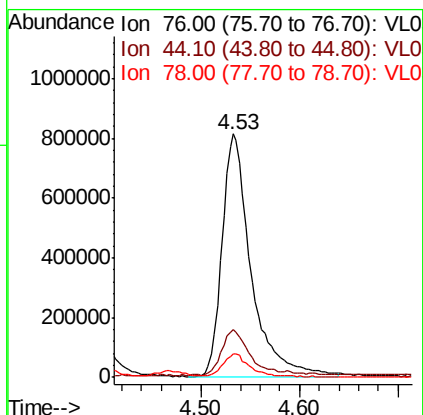
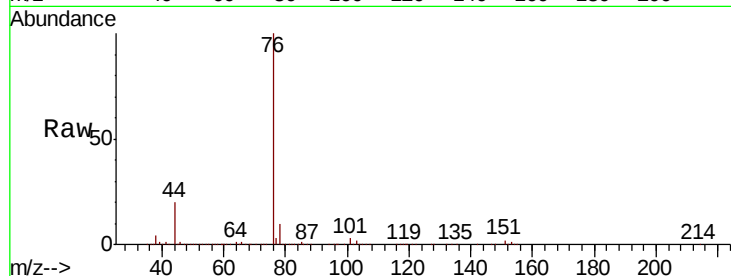




#27
Carbon Disulfide
Concen: 11.527 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

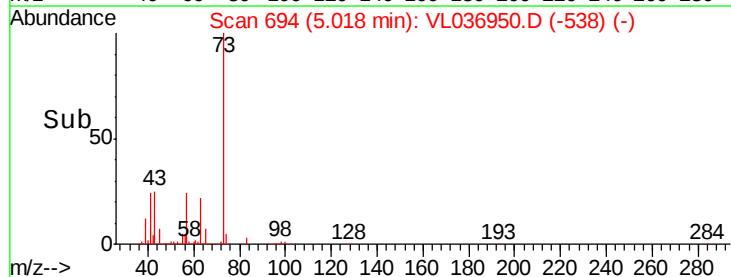
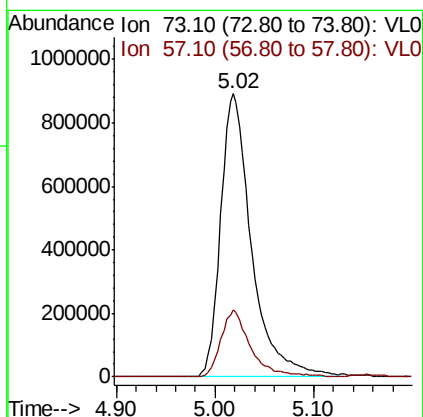
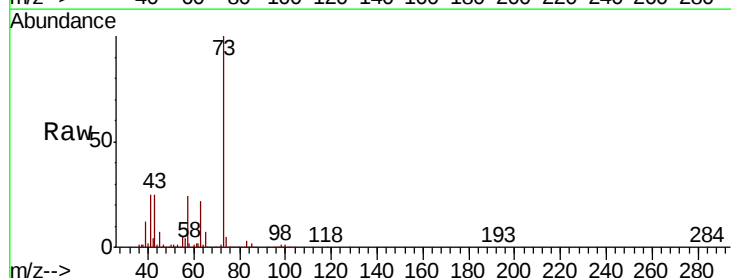
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

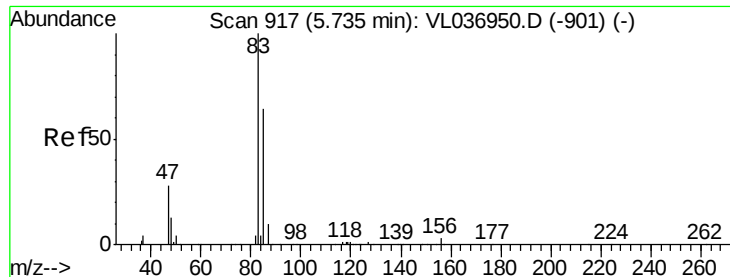
Tot Ion: 76 Resp: 1681130
Ion Ratio Lower Upper
76 100
44 19.6 15.5 23.3
78 9.8 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 12.280 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 73 Resp: 1954363
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5





#29

Chloroform

Concen: 9.058 ppbv

RT: 5.74 min Scan# 917

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

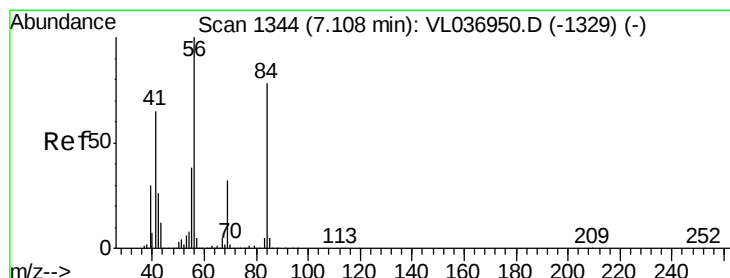
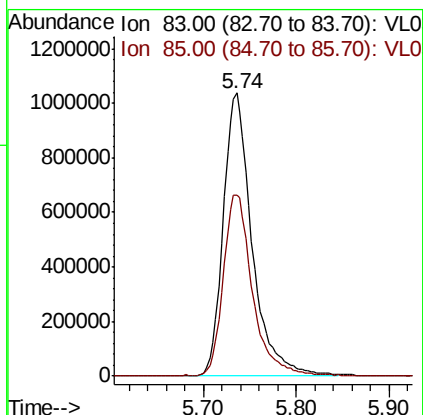
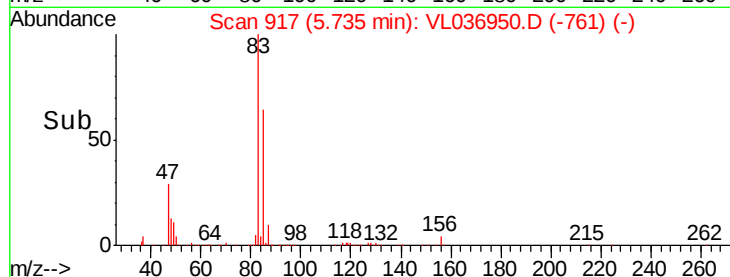
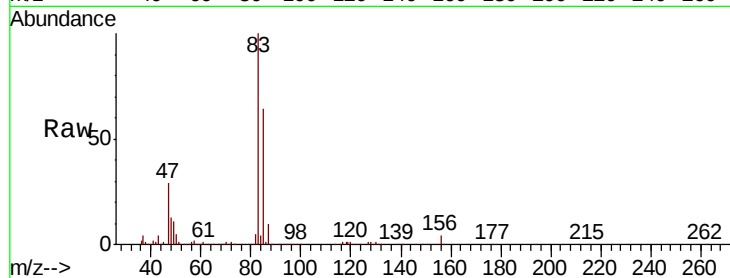
VSTDICCC010

Tot Ion: 83 Resp: 2238544

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7



#30

Cyclohexane

Concen: 10.633 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

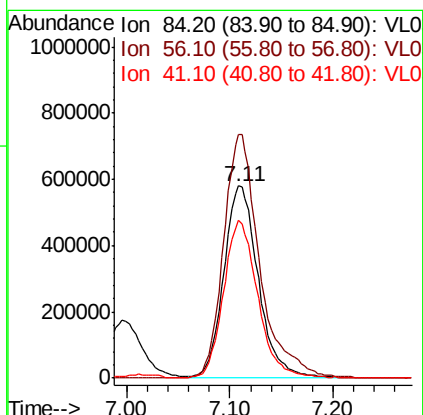
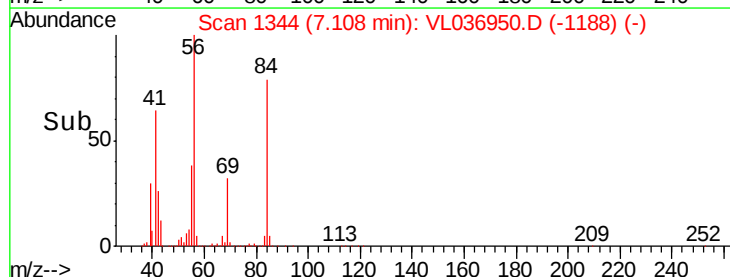
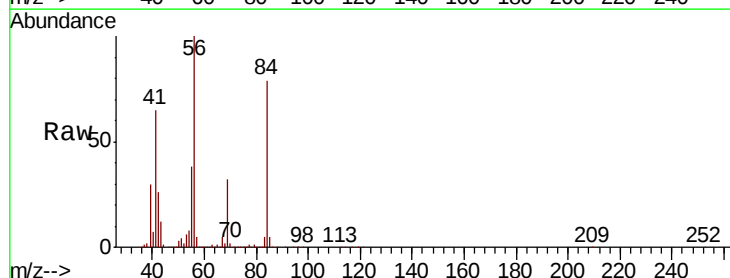
Tgt Ion: 84 Resp: 1339599

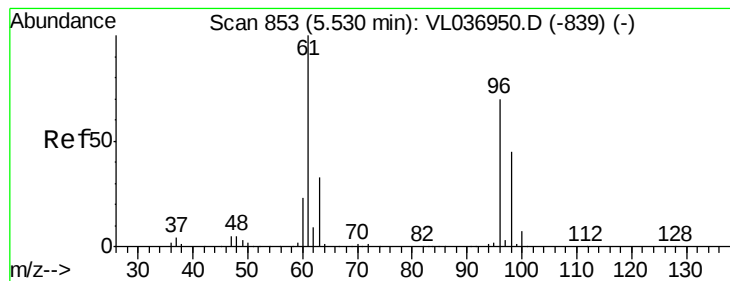
Ion Ratio Lower Upper

84 100

56 135.0 107.9 161.9

41 82.0 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 11.139 ppbv

RT: 5.53 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

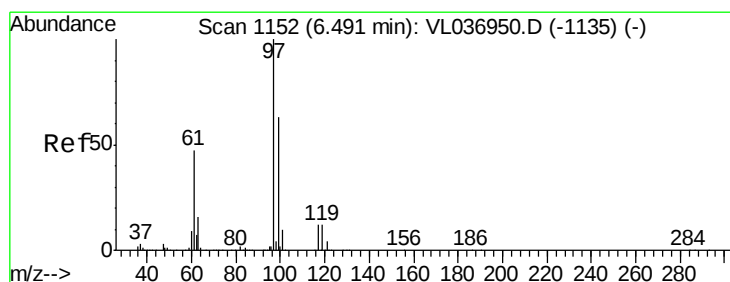
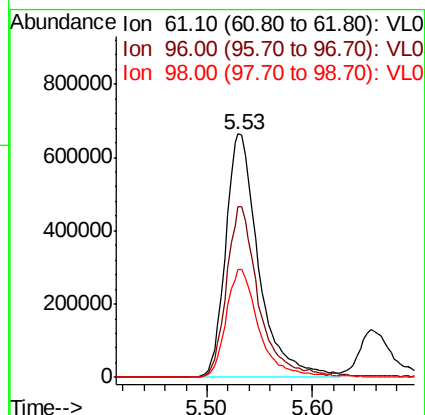
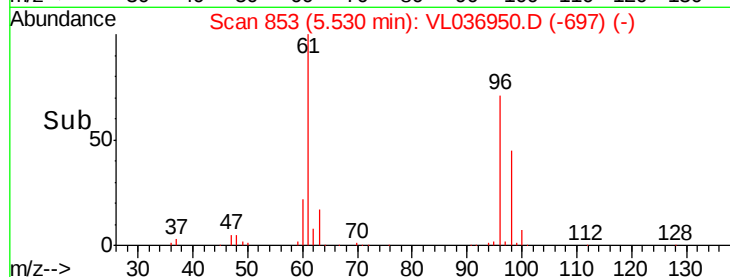
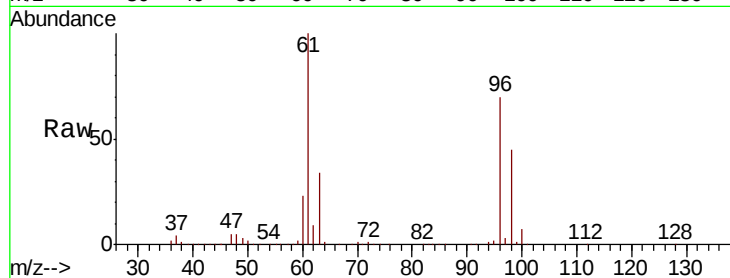
Tot Ion: 61 Resp: 1437334

Ion Ratio Lower Upper

61 100

96 69.9 55.9 83.9

98 44.5 35.6 53.4



#32

1,1,1-Trichloroethane

Concen: 8.823 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

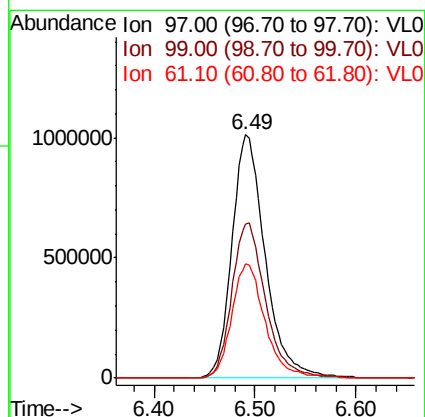
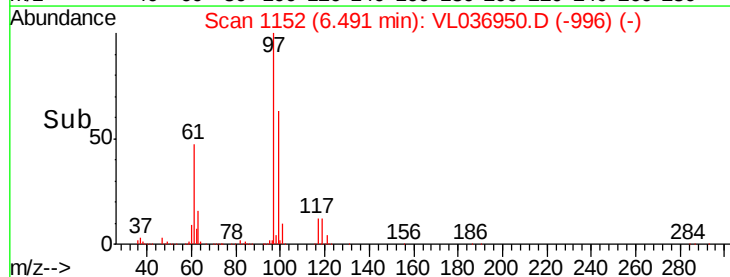
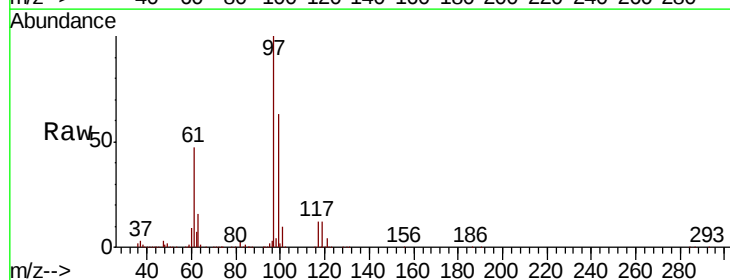
Tgt Ion: 97 Resp: 2324399

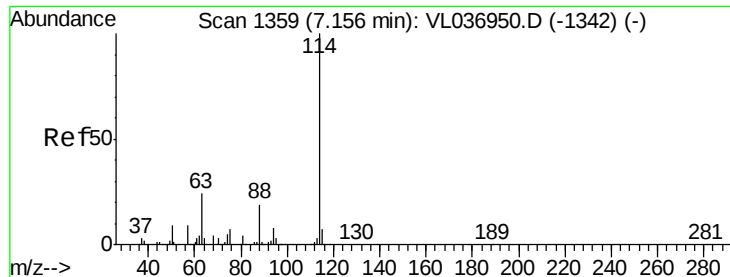
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 47.0 37.6 56.4

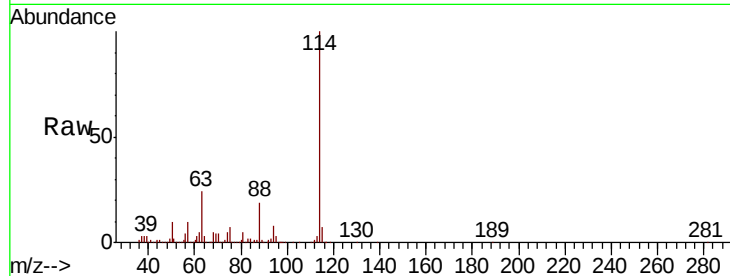




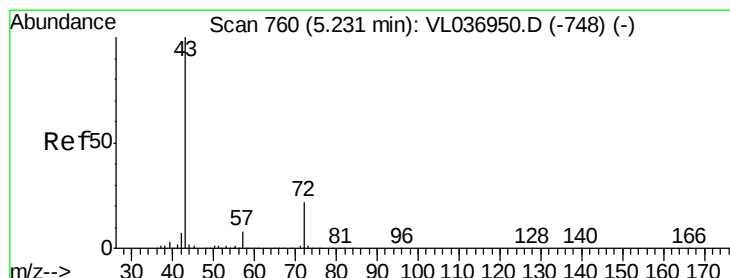
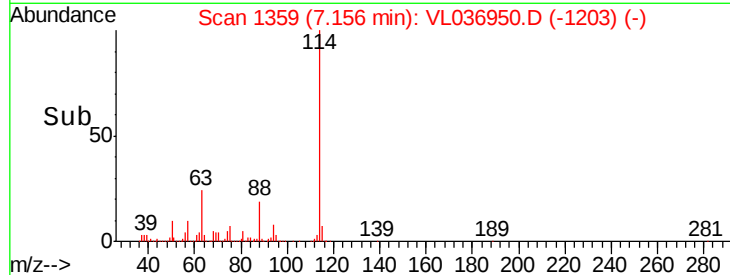
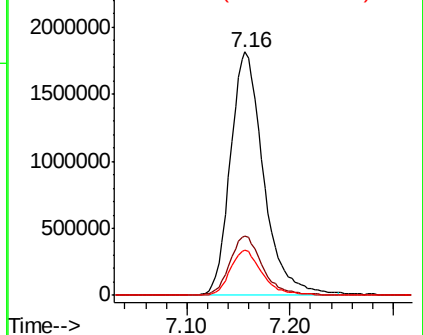
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 4073034
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 18.2 14.6 21.8

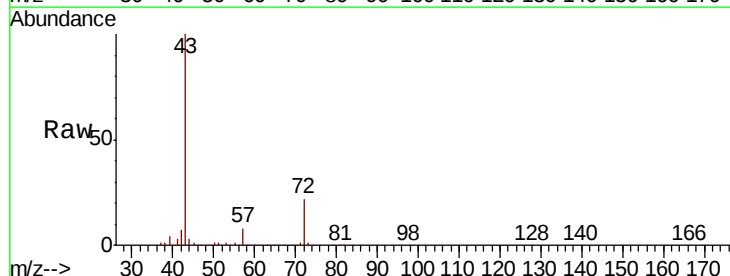


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

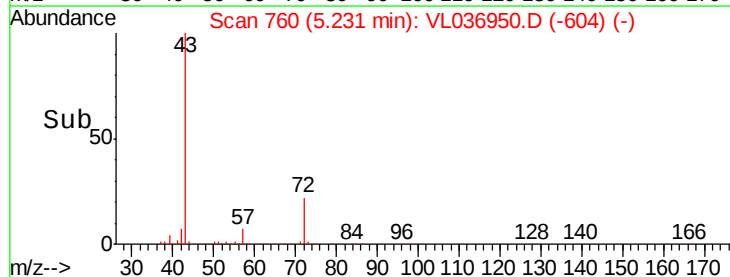
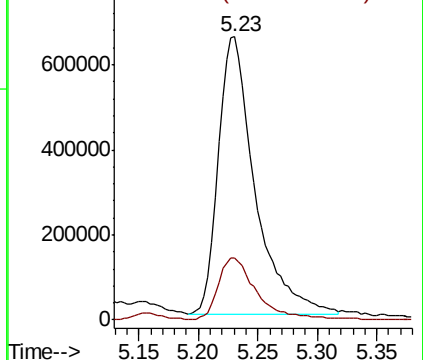


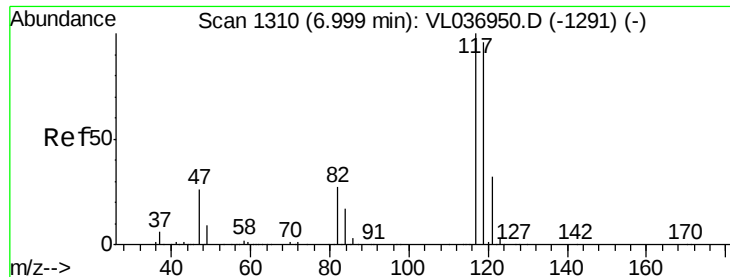
#34
 2-Butanone
 Concen: 8.942 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 43 Resp: 1392791
 Ion Ratio Lower Upper
 43 100
 72 23.7 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: 7.455 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

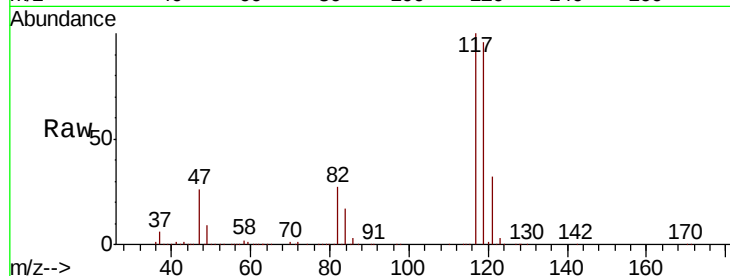
Tot Ion:117 Resp: 2373345

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8

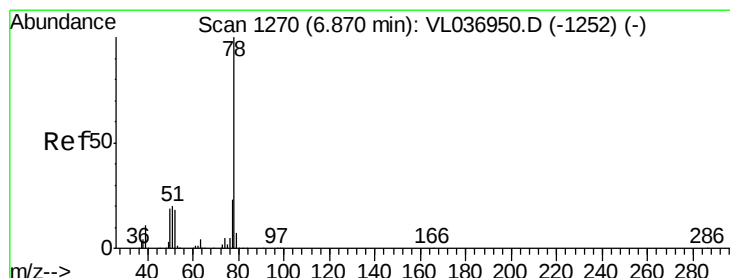
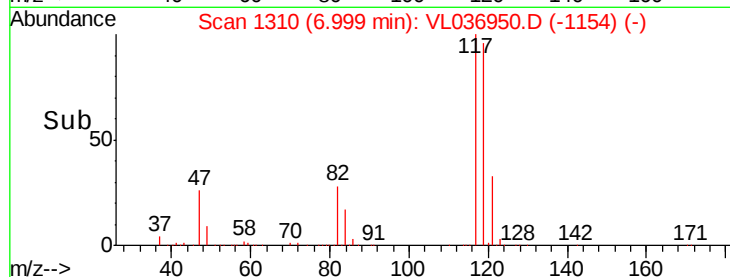
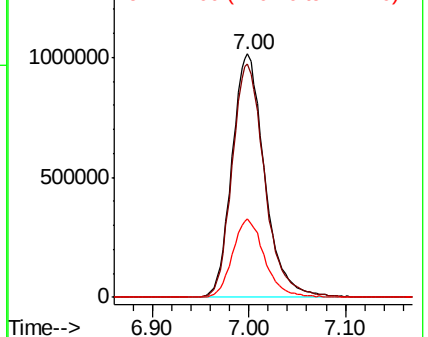
121 32.2 25.8 38.6



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: 9.691 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

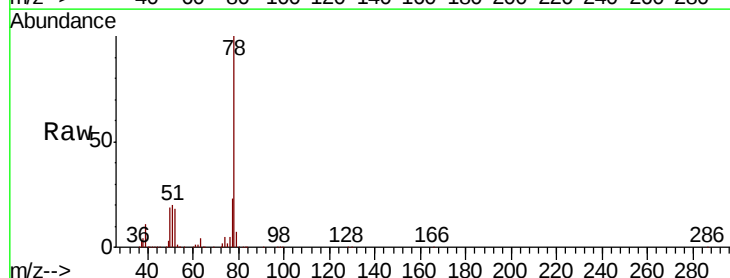
Tgt Ion: 78 Resp: 3170651

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

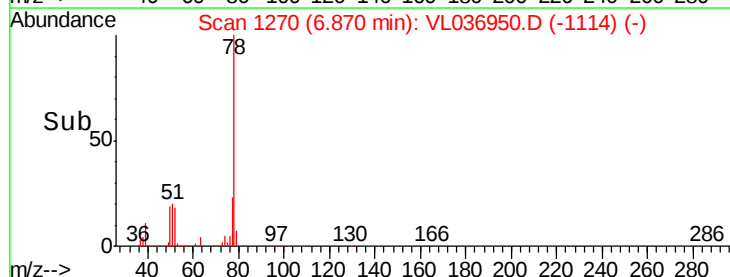
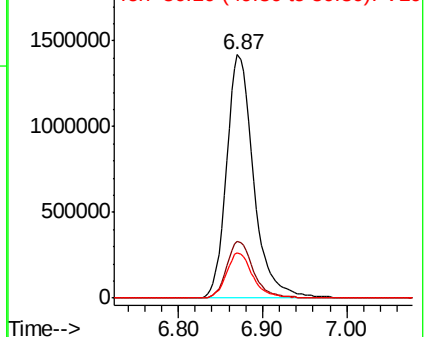
50 18.7 15.0 22.4

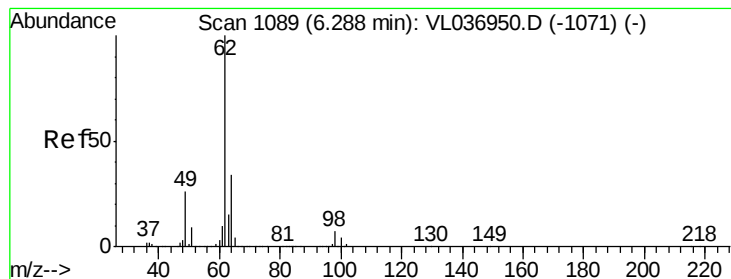


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.400 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

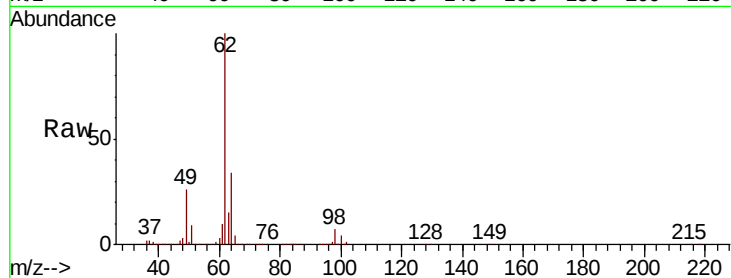
VSTDICCC010

Tot Ion: 62 Resp: 1630311

Ion Ratio Lower Upper

62 100

98 6.9 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

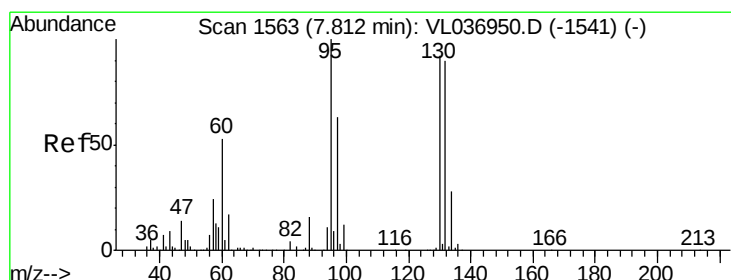
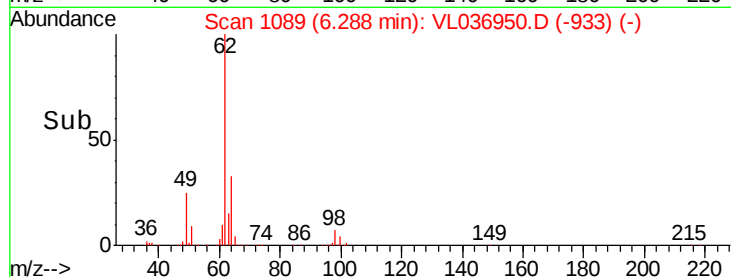
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.137 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:130 Resp: 1226247

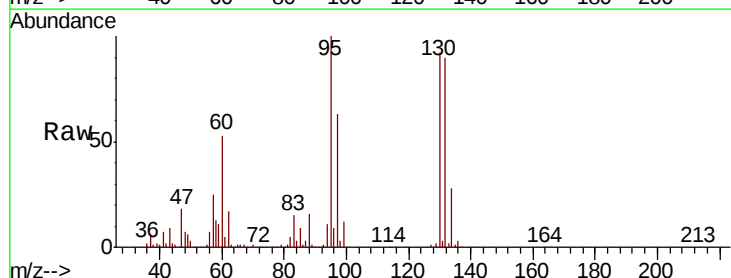
Ion Ratio Lower Upper

130 100

95 108.6 86.9 130.3

132 98.0 78.4 117.6

97 68.8 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

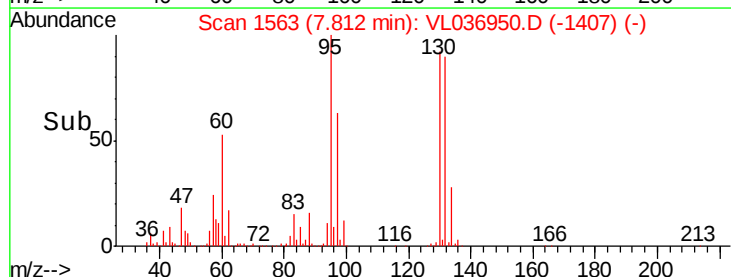
600000

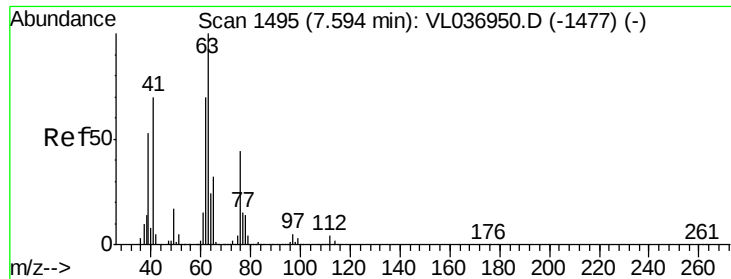
400000

200000

0

Time-->

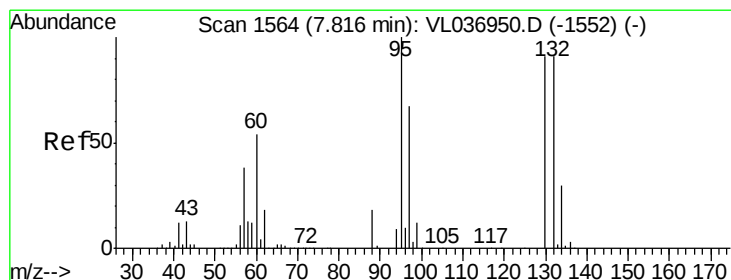
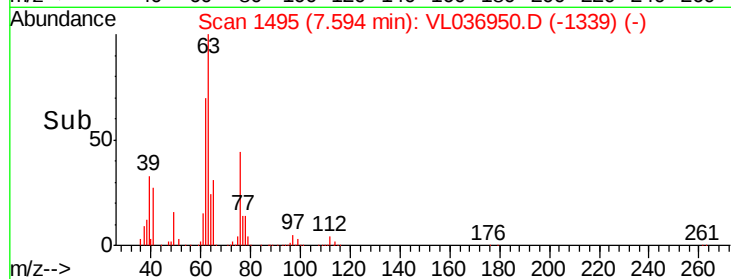
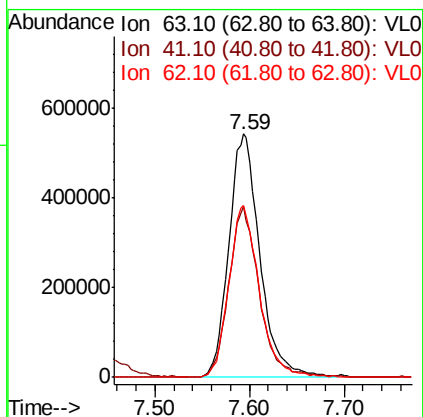
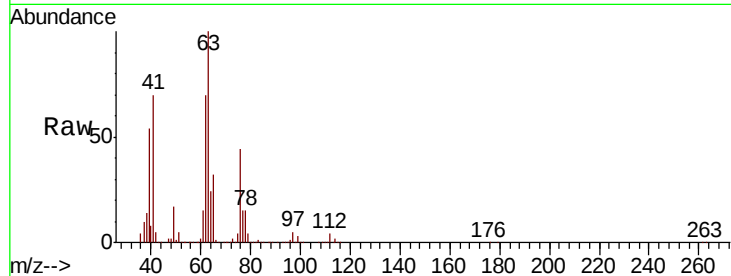




#39
 1,2-Dichloropropane
 Concen: 9.192 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

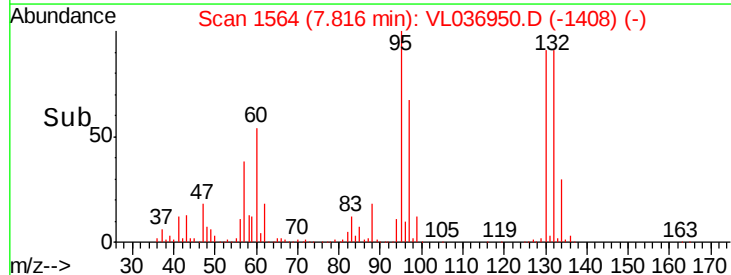
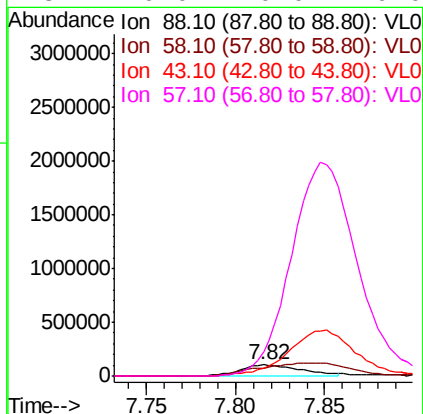
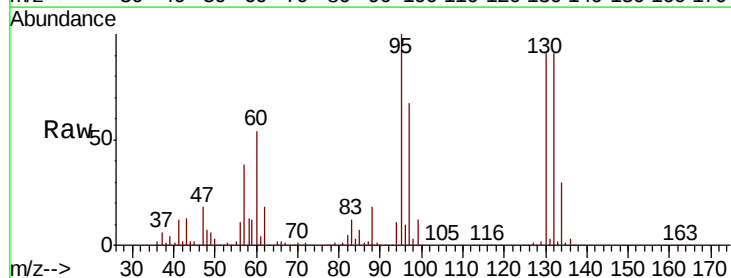
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

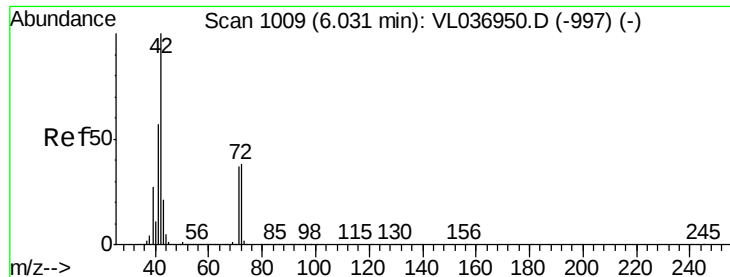
Tot Ion: 63 Resp: 1232110
 Ion Ratio Lower Upper
 63 100
 41 69.6 55.7 83.5
 62 70.3 56.2 84.4



#40
 1,4-Dioxane
 Concen: 7.064 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 88 Resp: 246890
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 12.253 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

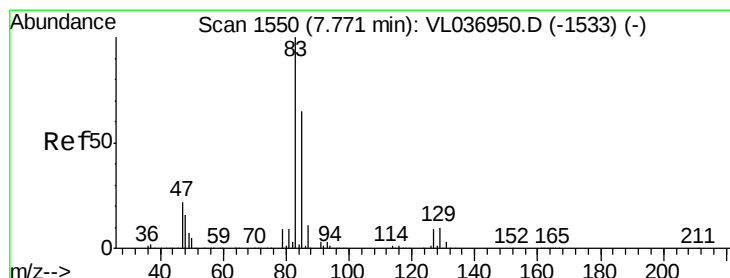
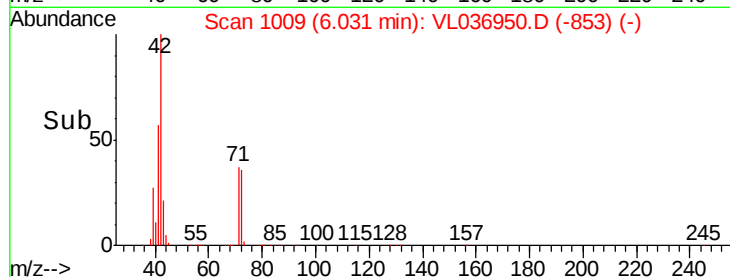
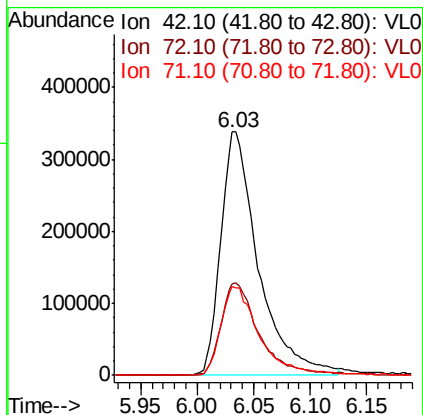
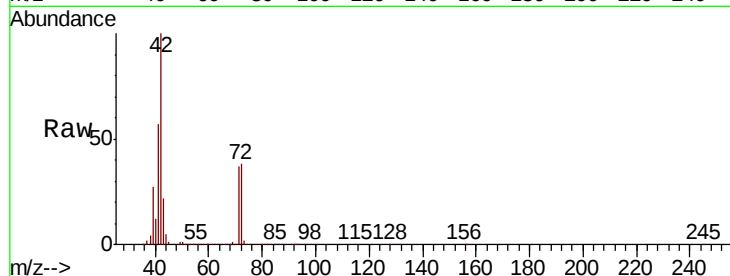
Tot Ion: 42 Resp: 779365

Ion Ratio Lower Upper

42 100

72 39.4 31.4 47.2

71 38.0 30.4 45.6



#42

Bromodichloromethane

Concen: 8.641 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

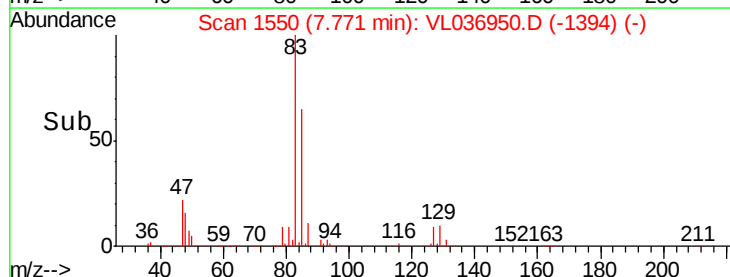
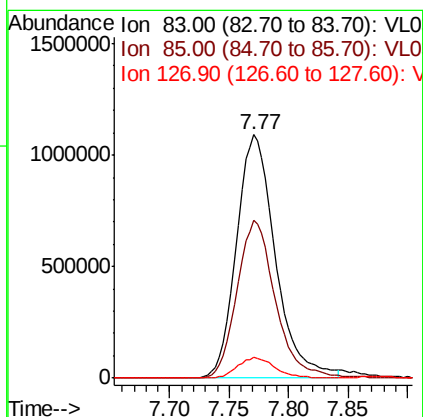
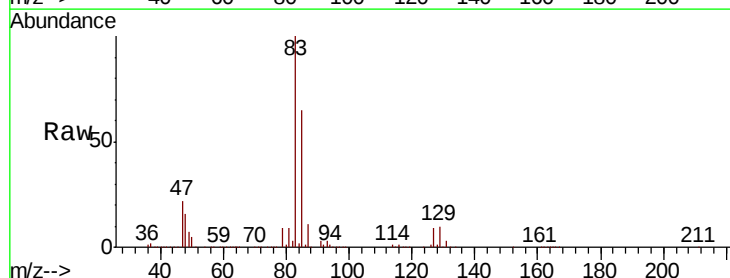
Tgt Ion: 83 Resp: 2469289

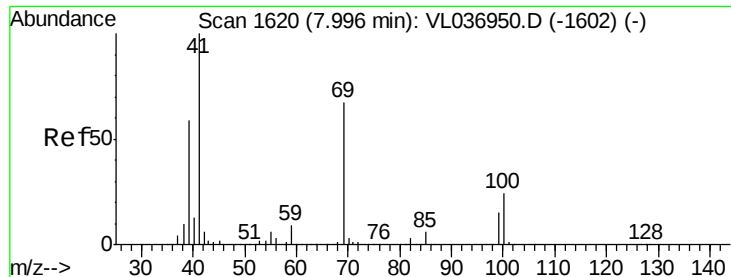
Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5

127 8.6 6.9 10.3





#43

Methyl Methacrylate

Concen: 12.189 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

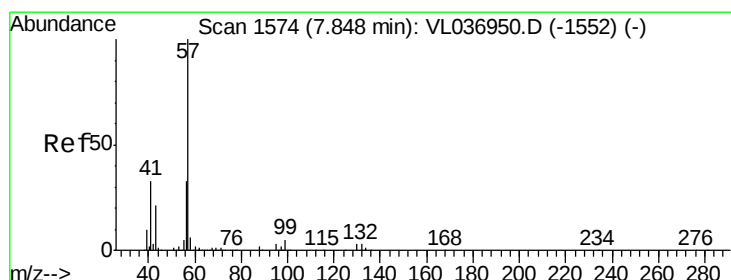
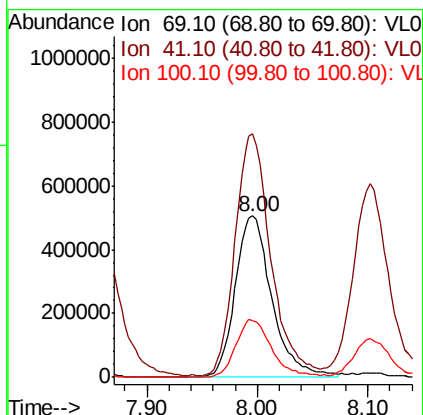
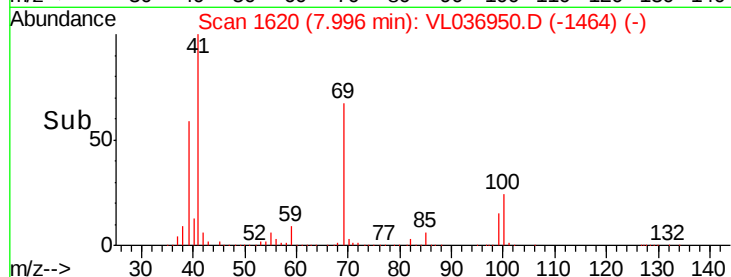
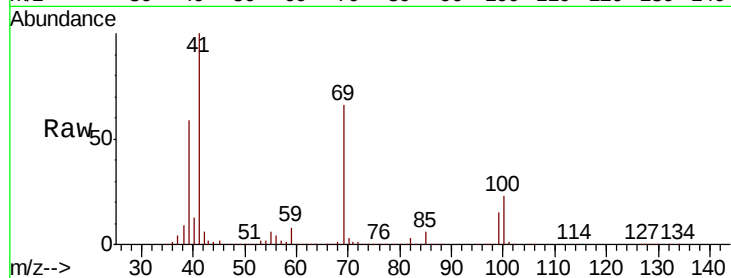
Tot Ion: 69 Resp: 1160683

Ion Ratio Lower Upper

69 100

41 148.7 118.6 178.0

100 35.4 28.2 42.4



#44

2,2,4-Trimethylpentane

Concen: 8.928 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

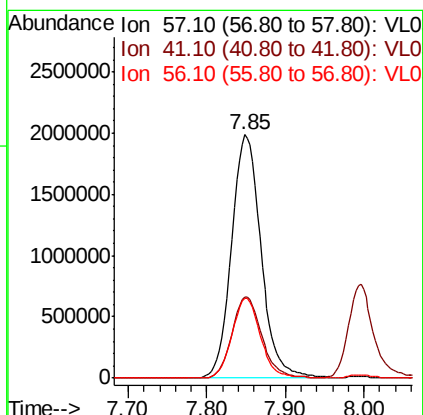
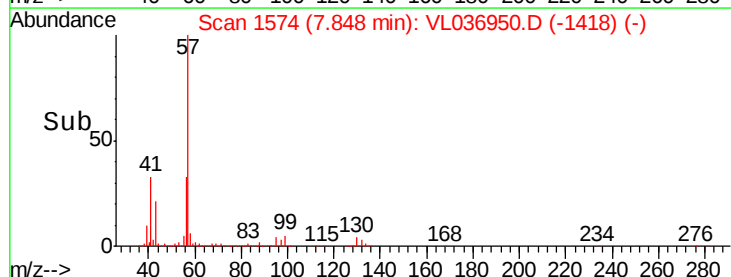
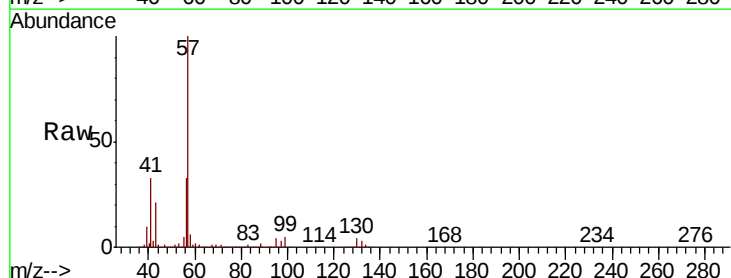
Tgt Ion: 57 Resp: 5192958

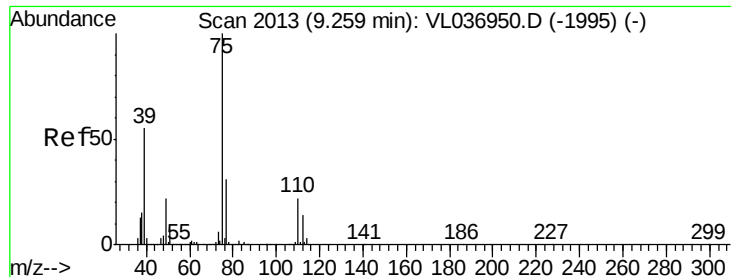
Ion Ratio Lower Upper

57 100

41 33.7 27.0 40.4

56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.973 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

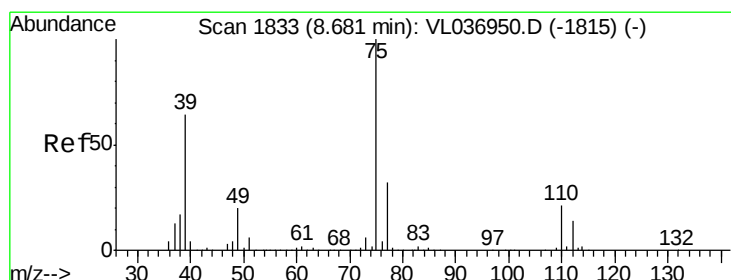
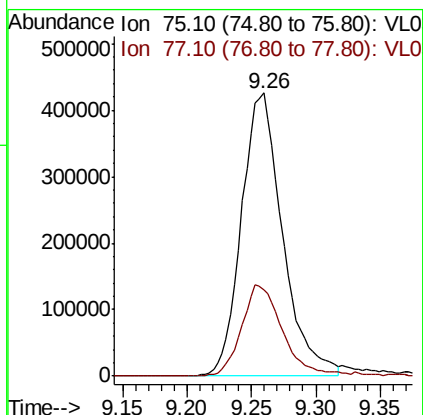
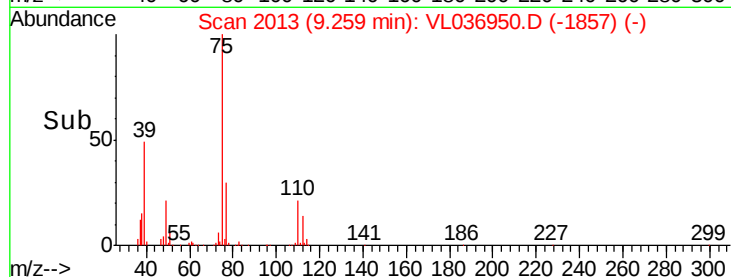
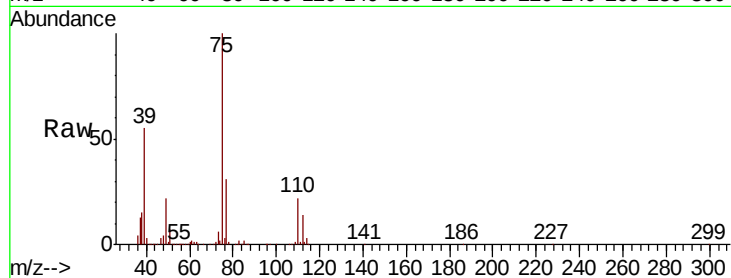
VSTDICCC010

Tot Ion: 75 Resp: 943493

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.177 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

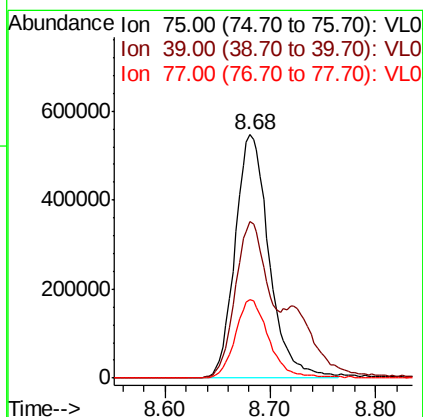
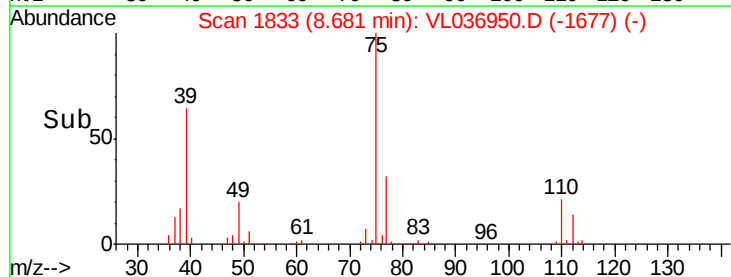
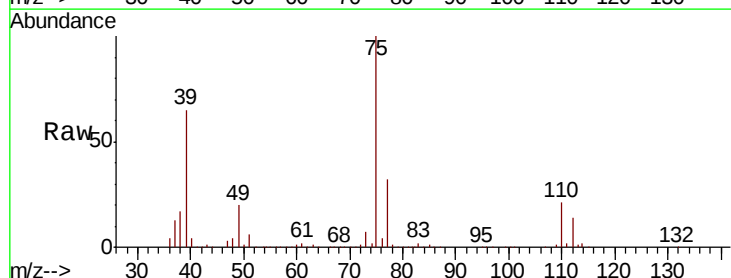
Tgt Ion: 75 Resp: 1225259

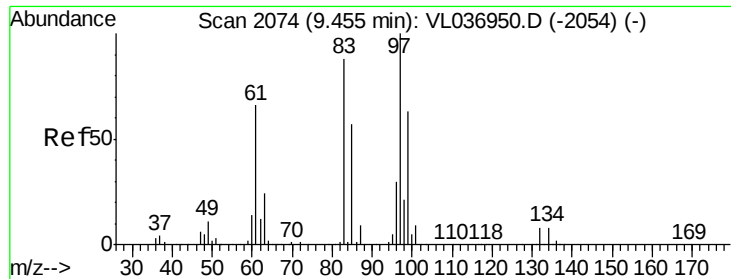
Ion Ratio Lower Upper

75 100

39 64.4 51.5 77.3

77 32.4 25.9 38.9



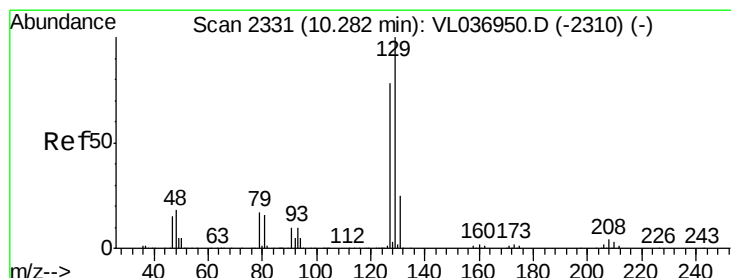
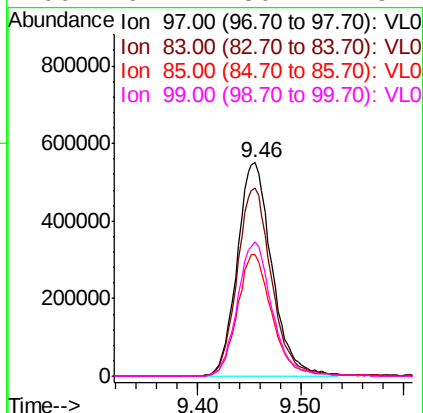
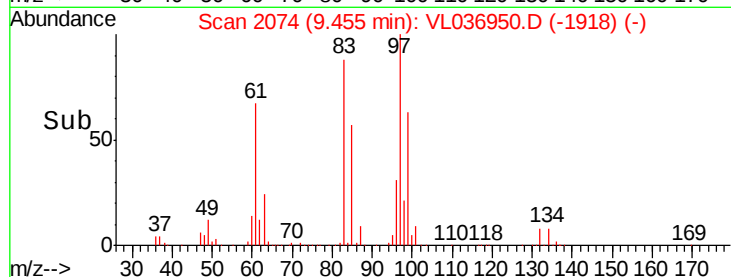
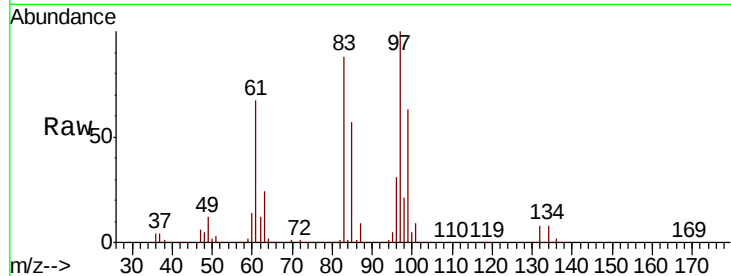


#47
 1,1,2-Trichloroethane
 Concen: 8.770 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 97 Resp: 1289232

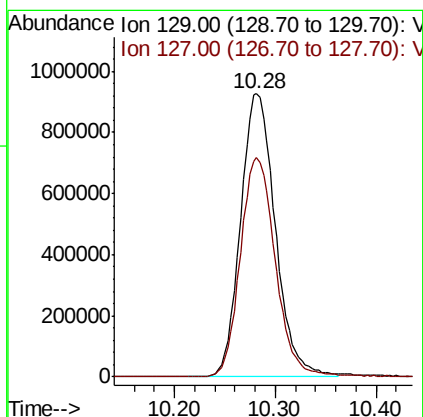
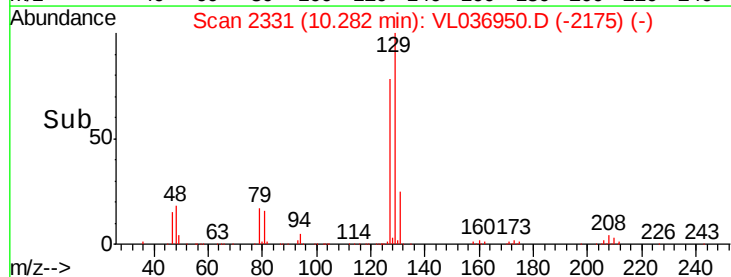
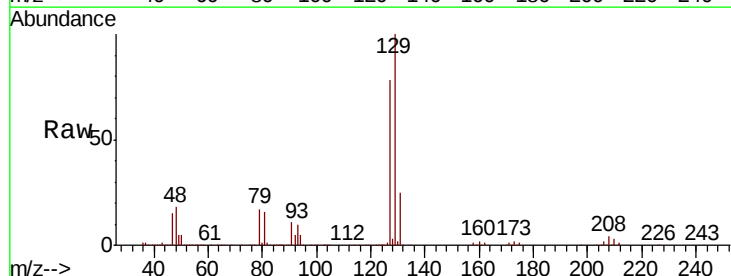
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	56.9	45.5	68.3
99	62.7	50.2	75.2

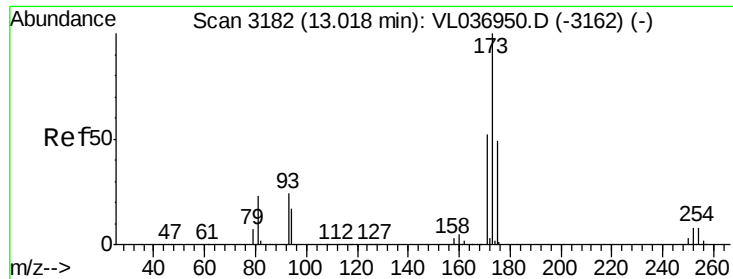


#48
 Dibromochloromethane
 Concen: 10.017 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 129 Resp: 2215304

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8





#49

Bromoform

Concen: 10.347 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

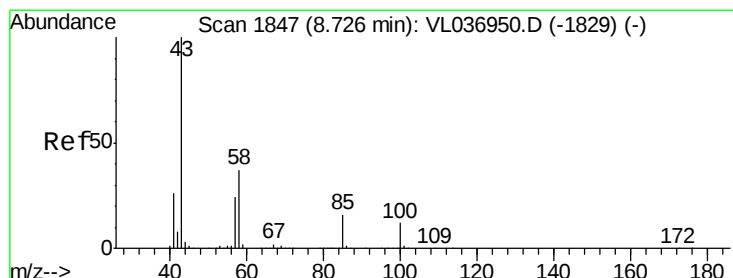
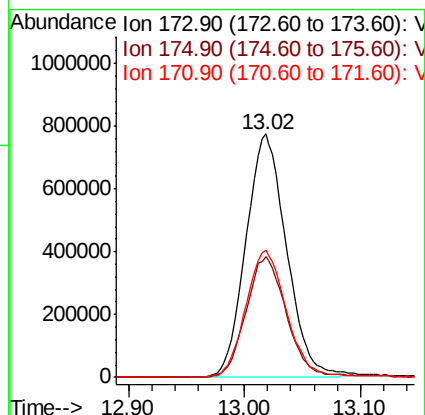
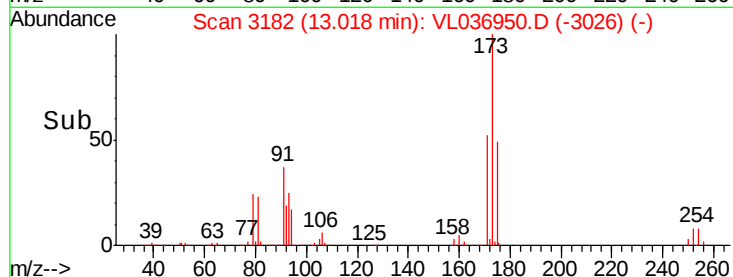
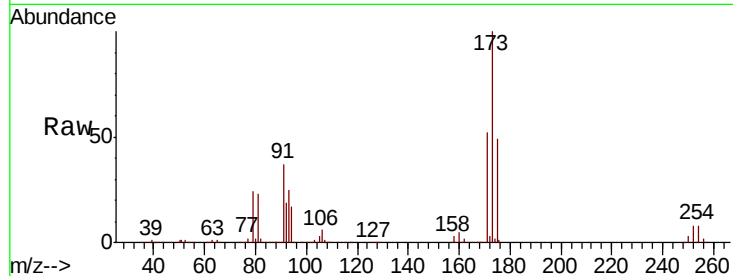
Tot Ion:173 Resp: 1883595

Ion Ratio Lower Upper

173 100

175 50.1 40.4 60.6

171 53.4 42.6 64.0



#50

4-Methyl-2-Pentanone

Concen: 10.737 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL036950.D

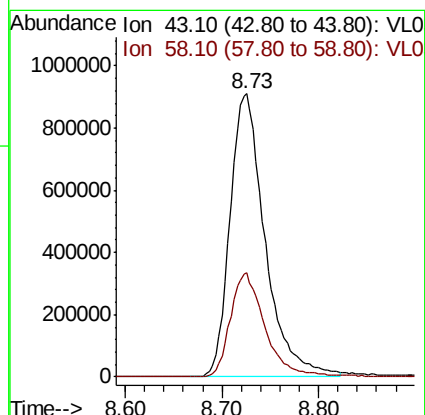
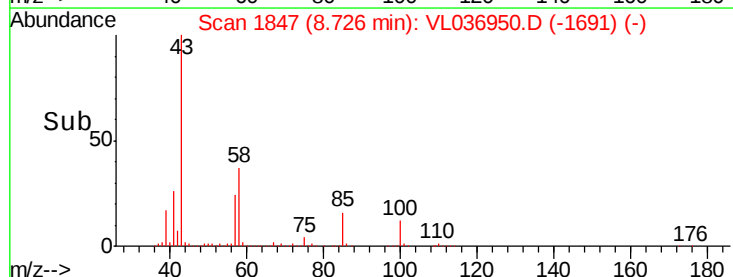
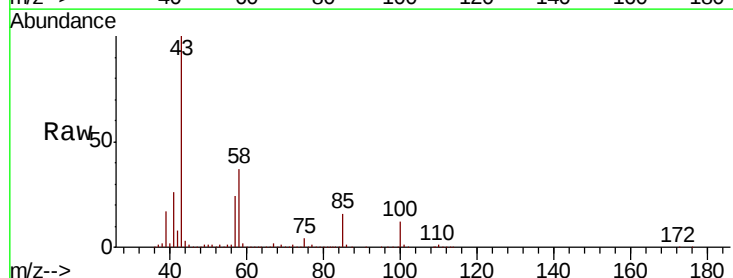
Acq: 18 May 2021 1:58

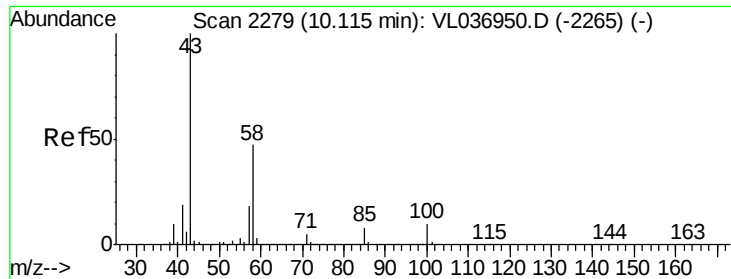
Tgt Ion: 43 Resp: 2288853

Ion Ratio Lower Upper

43 100

58 36.8 29.4 44.2





#51

2-Hexanone

Concen: 13.630 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

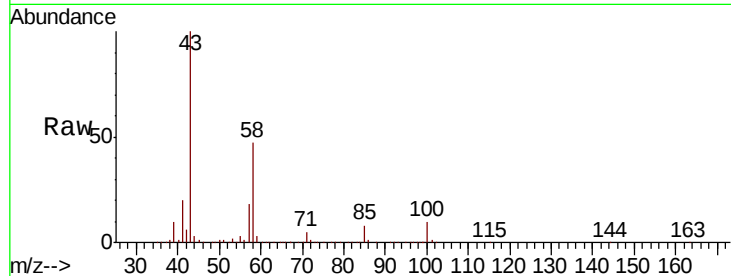
Tot Ion: 43 Resp: 1237998

Ion Ratio Lower Upper

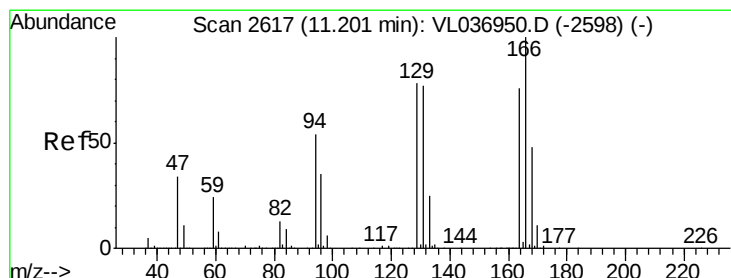
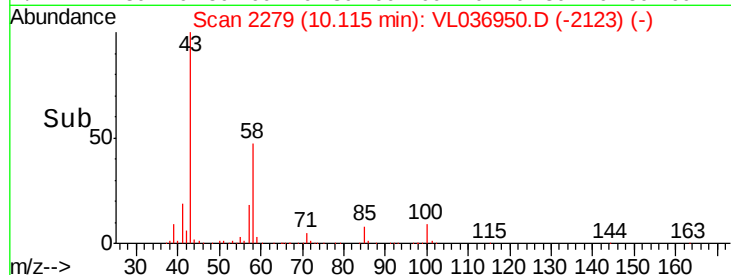
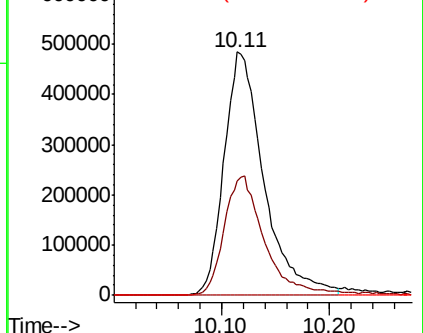
43 100

58 51.0 41.1 61.7

98 0.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.100 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:164 Resp: 1214642

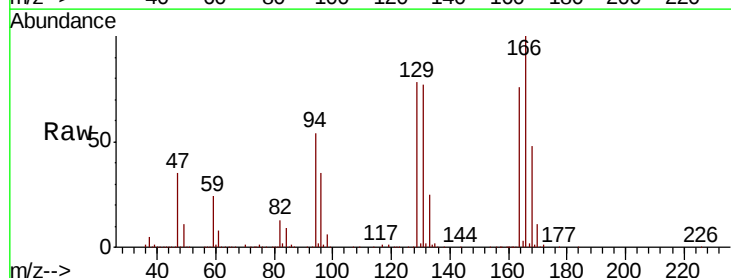
Ion Ratio Lower Upper

164 100

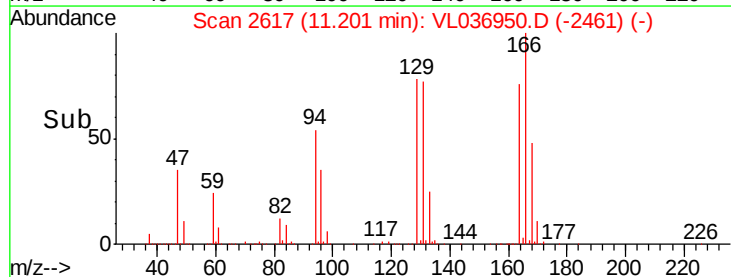
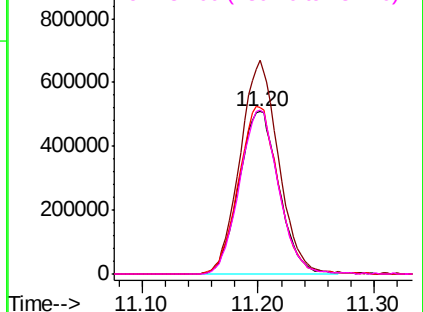
166 131.9 105.5 158.3

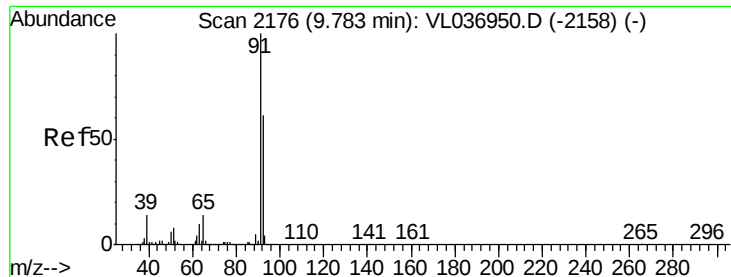
129 102.3 81.8 122.8

131 101.5 81.2 121.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.326 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

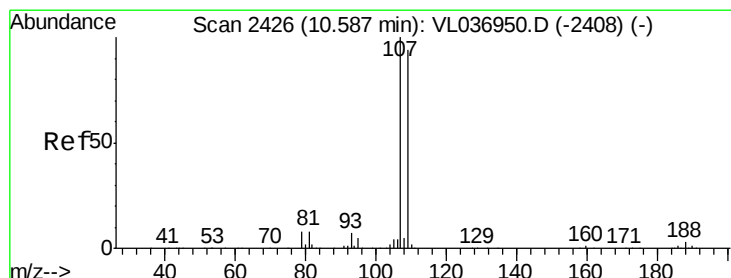
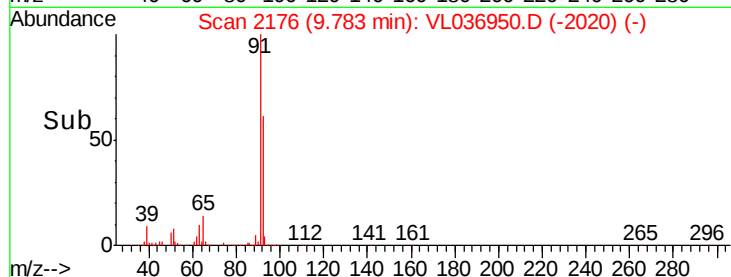
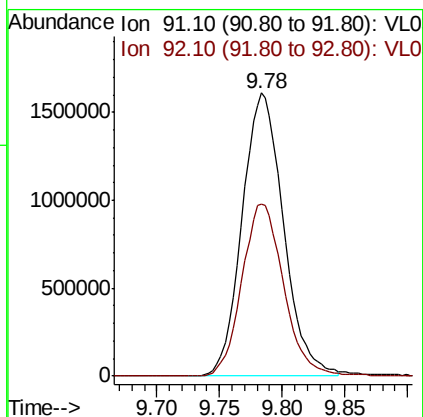
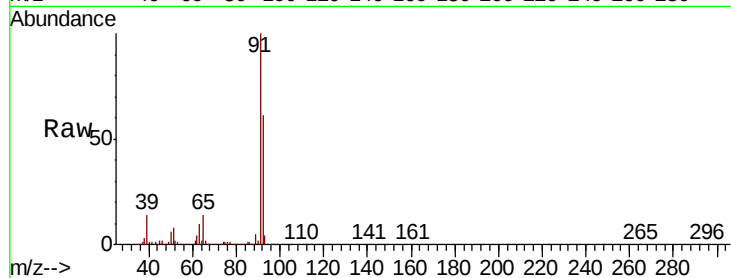
VSTDICCC010

Tot Ion: 91 Resp: 3696546

Ion Ratio Lower Upper

91 100

92 61.9 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.825 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036950.D

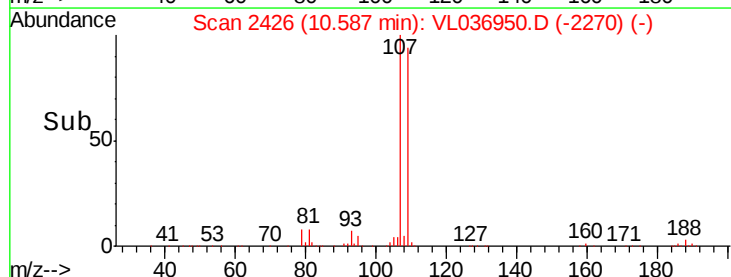
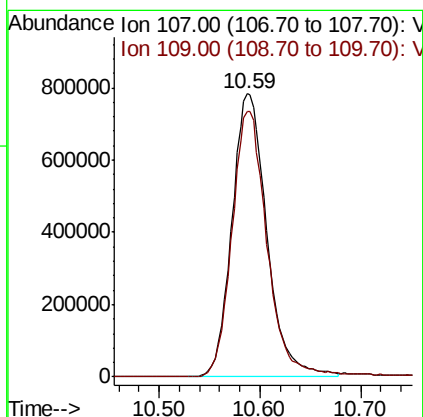
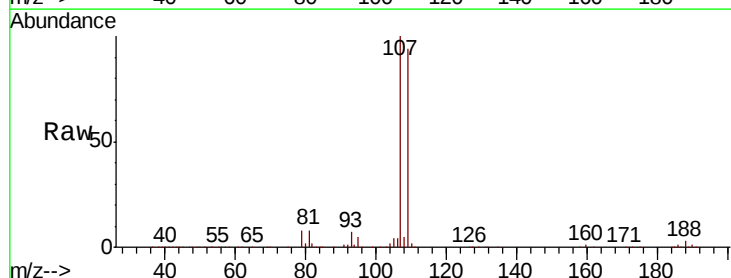
Acq: 18 May 2021 1:58

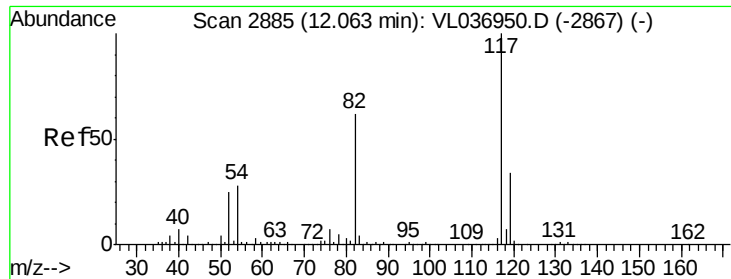
Tgt Ion: 107 Resp: 1885844

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4

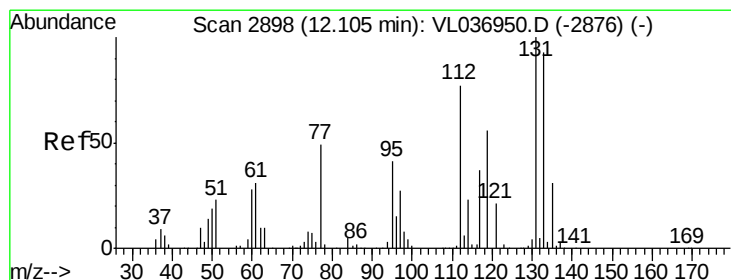
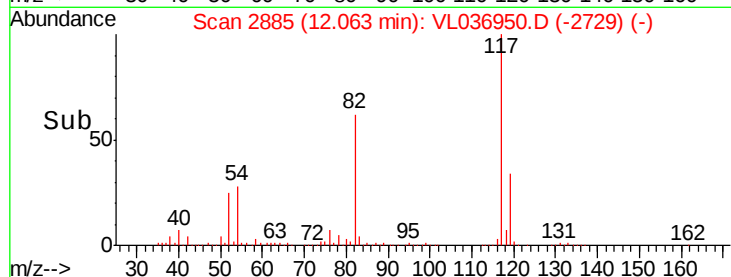
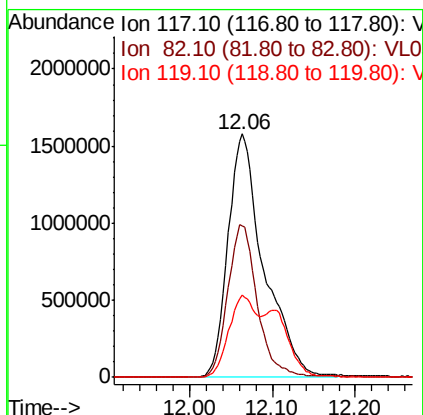
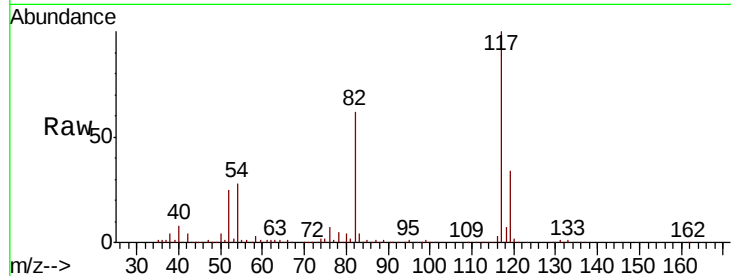




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

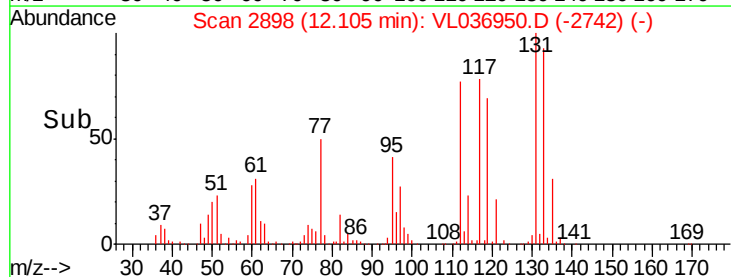
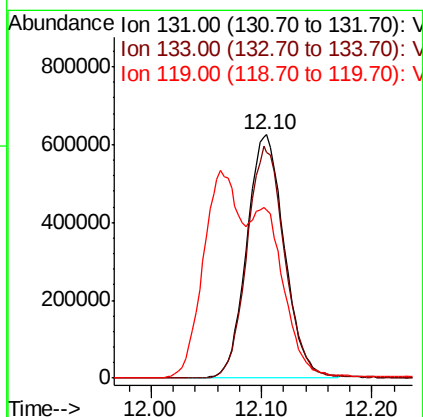
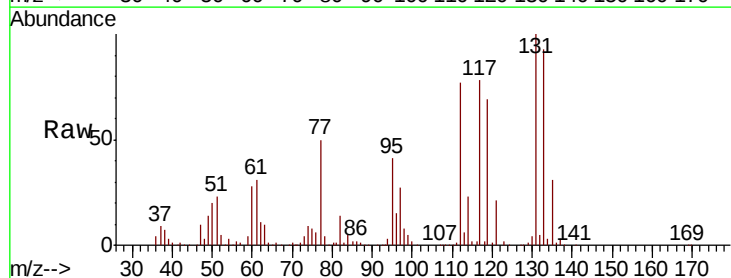
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

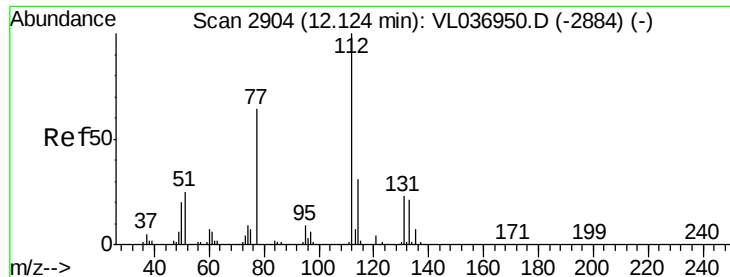
Tot Ion:117 Resp: 4764380
Ion Ratio Lower Upper
117 100
82 52.4 52.6 79.0#
119 46.7 46.6 70.0



#56
1,1,1,2-Tetrachloroethane
Concen: 6.743 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion:131 Resp: 1477167
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 150.3 120.2 180.4

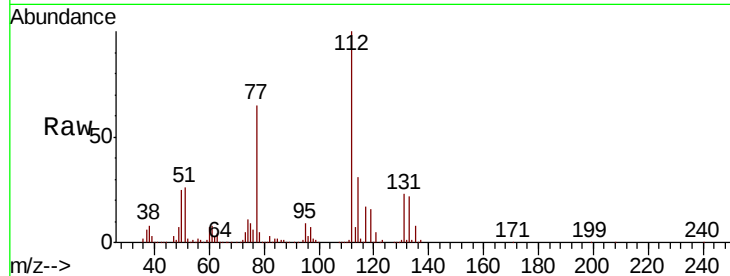




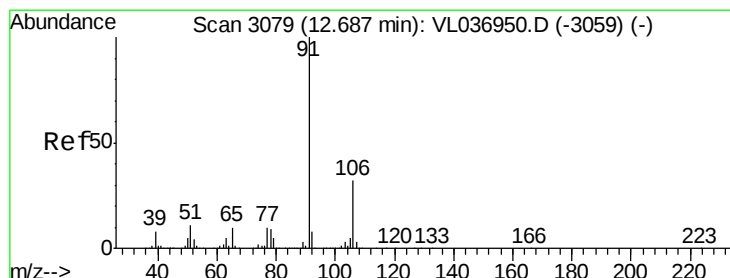
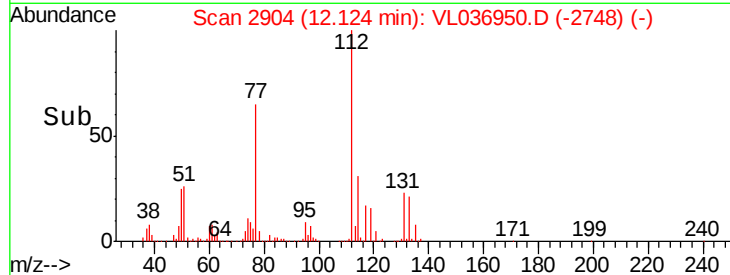
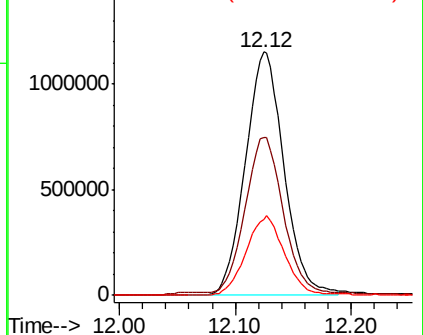
#57
Chlorobenzene
Concen: 6.654 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 2675911
Ion Ratio Lower Upper
112 100
77 63.8 51.0 76.6
114 31.4 28.3 34.5

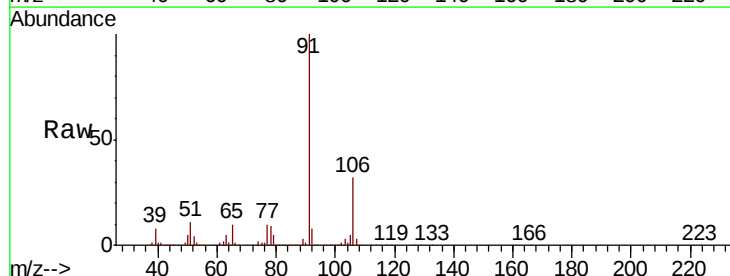


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

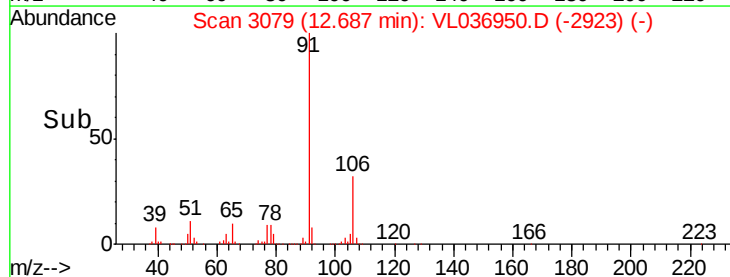
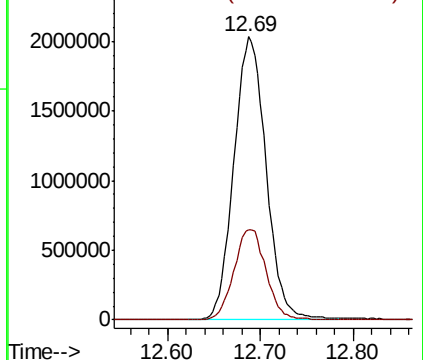


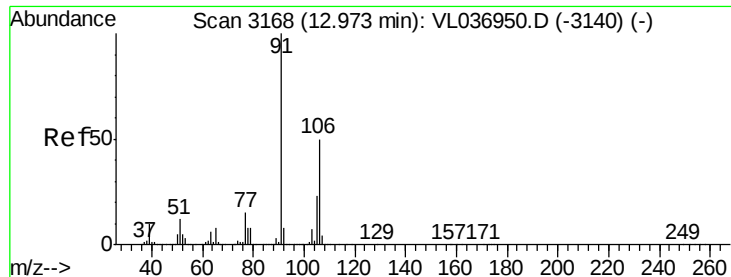
#58
Ethyl Benzene
Concen: 8.656 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 91 Resp: 4902252
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

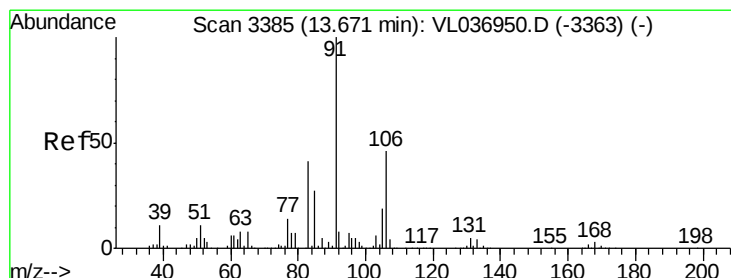
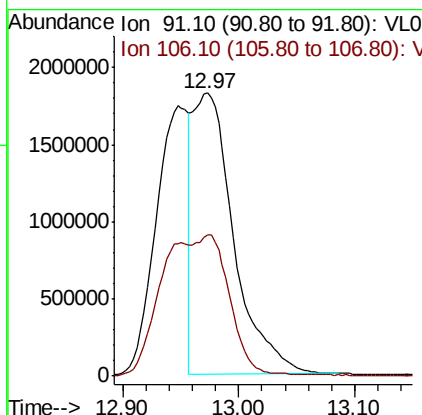
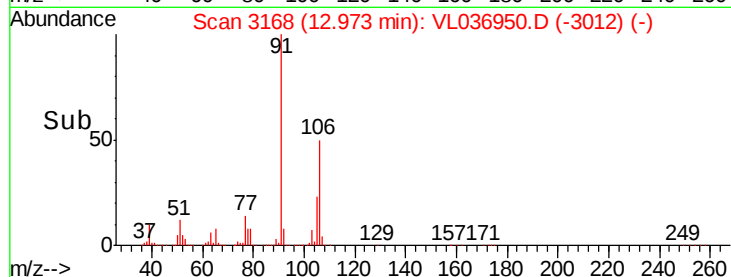
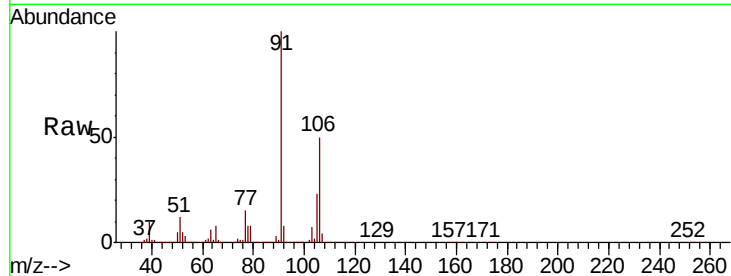




#59
m/p-Xylene
Concen: 8.413 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

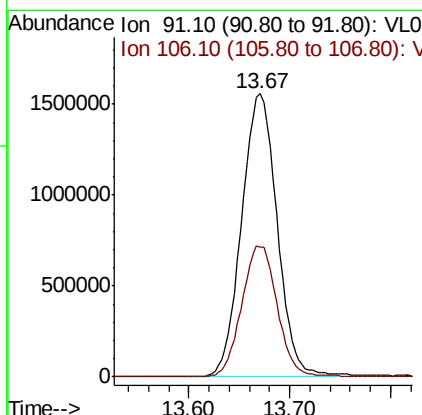
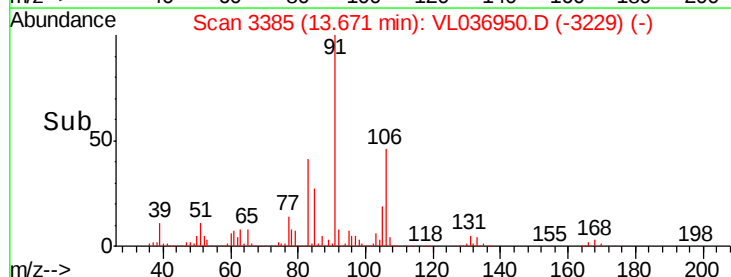
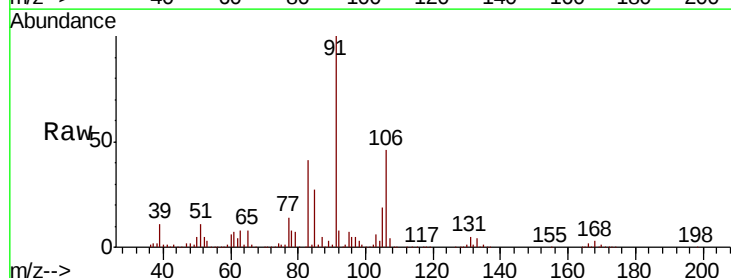
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

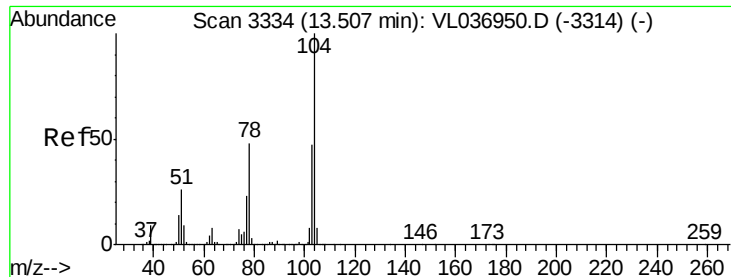
Tot Ion: 91 Resp: 4477802
Ion Ratio Lower Upper
91 100
106 83.7 37.4 56.2#



#60
o-Xylene
Concen: 7.370 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 91 Resp: 3794022
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3





#61

Stvrene

Concen: 11.042 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

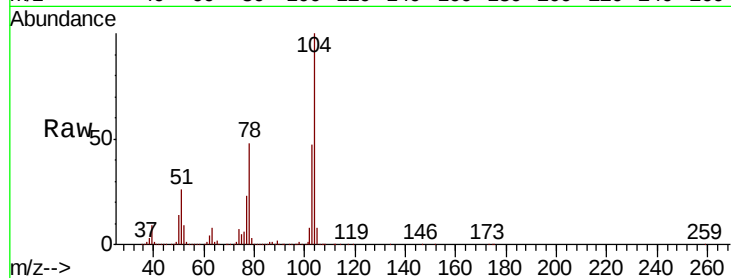
Tot Ion:104 Resp: 2334293

Ion Ratio Lower Upper

104 100

78 48.8 39.0 58.6

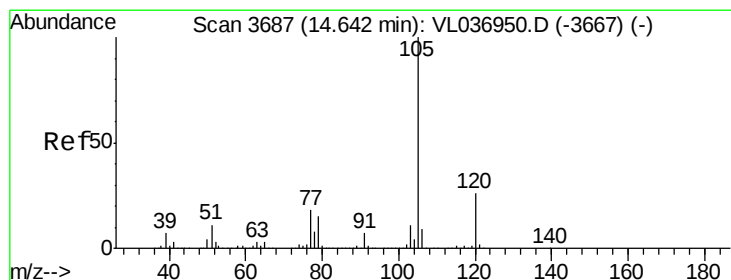
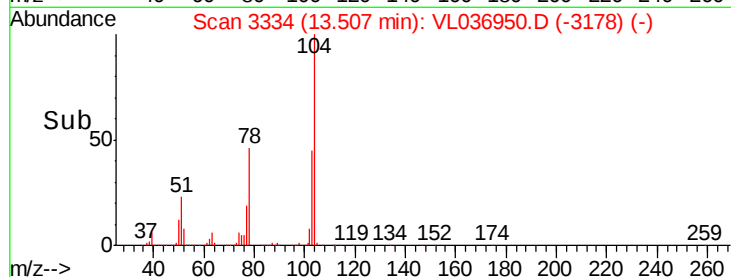
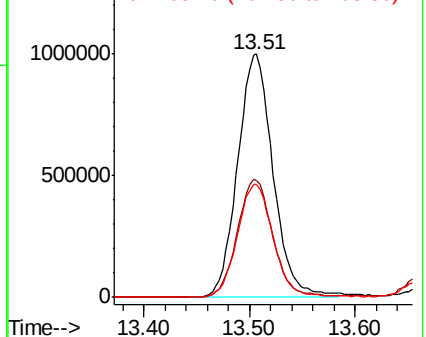
103 47.5 38.0 57.0



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: 7.671 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VL036950.D

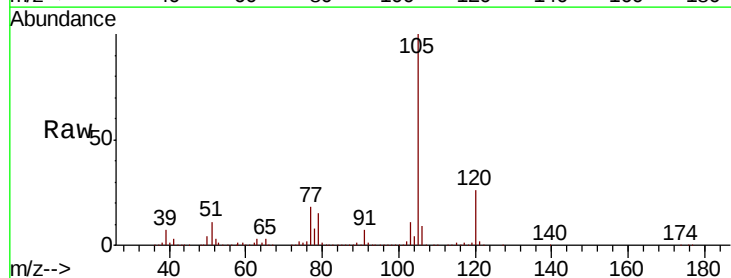
Acq: 18 May 2021 1:58

Tgt Ion:105 Resp: 5385124

Ion Ratio Lower Upper

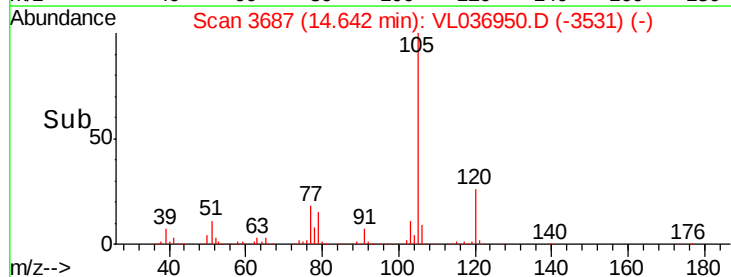
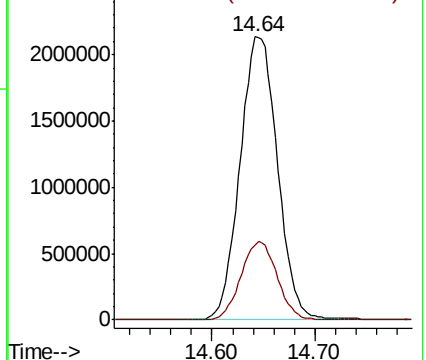
105 100

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: 5.412 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

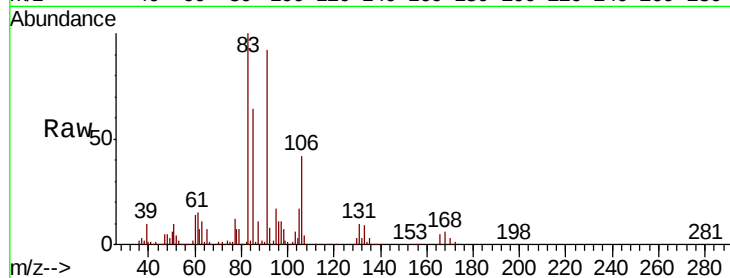
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2632691

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.7	32.9	98.6

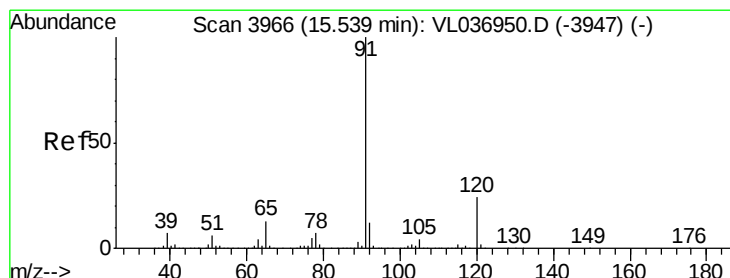
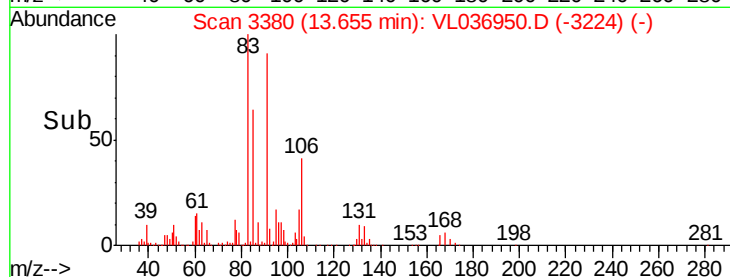
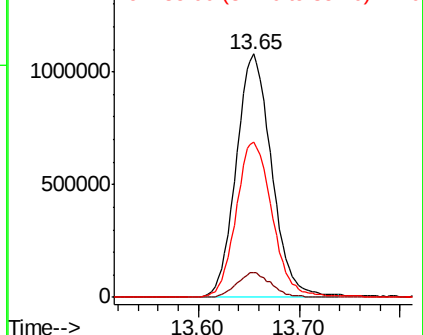


Abundance

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: 8.485 ppbv

RT: 15.54 min Scan# 3966

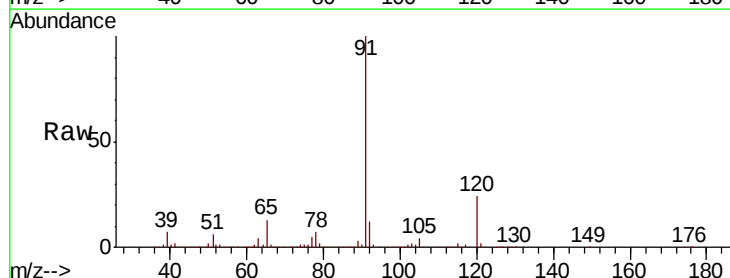
Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion: 120 Resp: 1474124

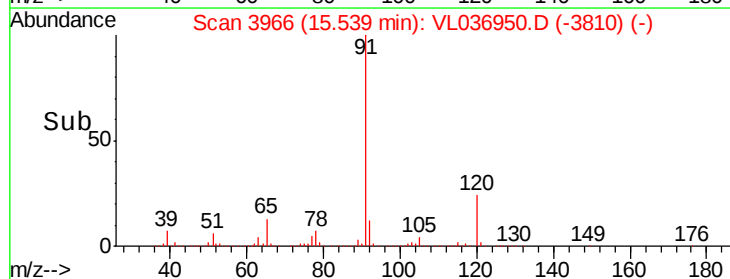
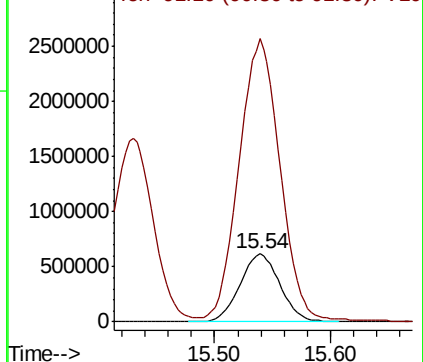
Ion	Ratio	Lower	Upper
120	100		
91	428.5	343.8	515.6

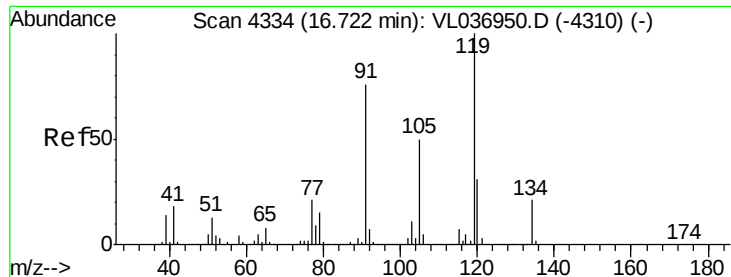


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

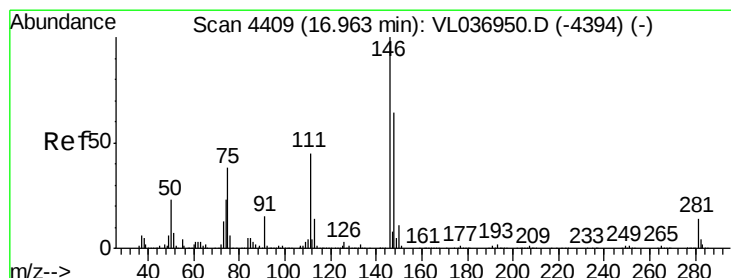
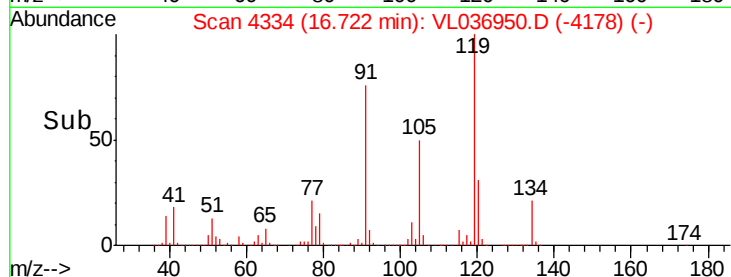
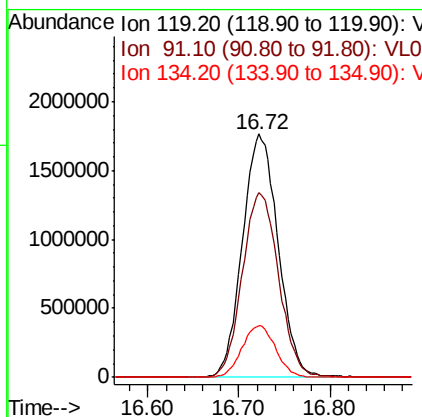
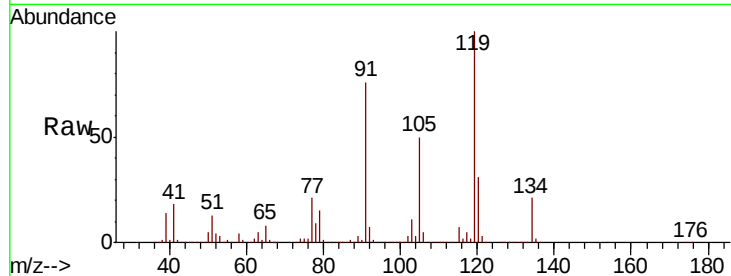




#65
tert-Butylbenzene
Concen: 7.717 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

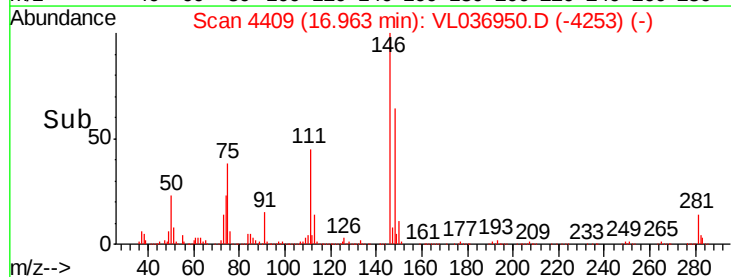
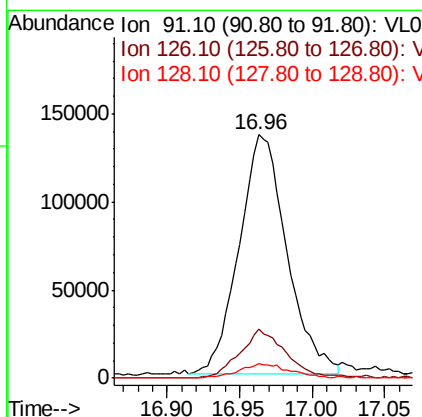
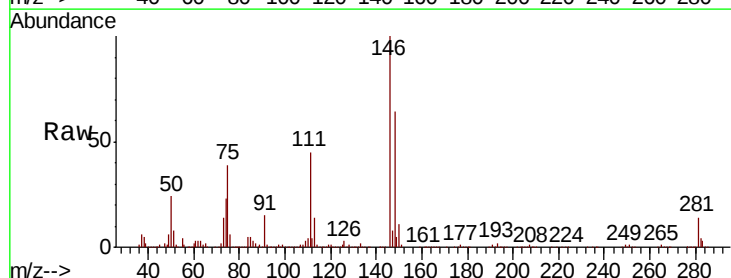
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

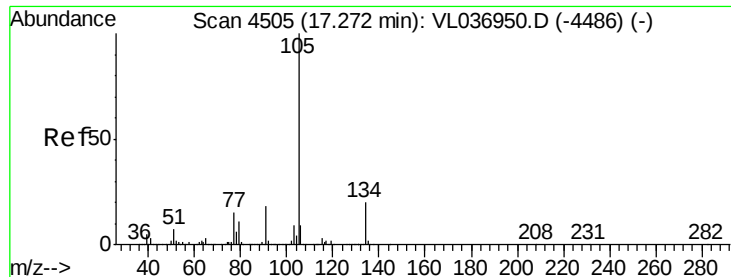
Tot Ion:119 Resp: 4804482
Ion Ratio Lower Upper
119 100
91 77.4 61.9 92.9
134 20.3 16.2 24.4



#66
Benzyl Chloride
Concen: 5.490 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. 0.00 min
Lab File: VL036950.D
Acq: 18 May 2021 1:58

Tgt Ion: 91 Resp: 311140
Ion Ratio Lower Upper
91 100
126 20.3 16.5 24.7
128 6.5 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.544 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

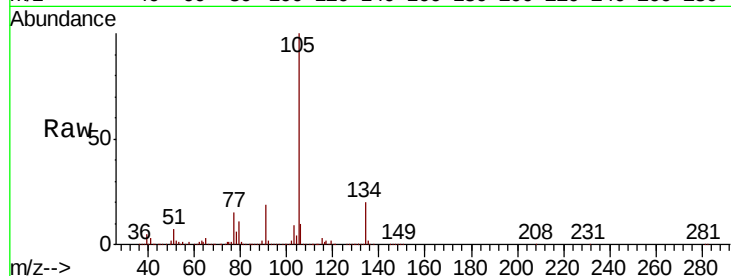
VSTDICCC010

Tot Ion:105 Resp: 6635980

Ion Ratio Lower Upper

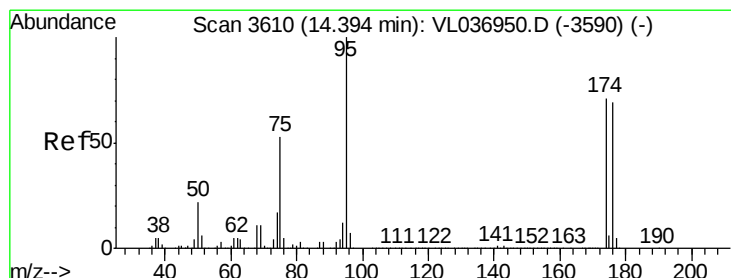
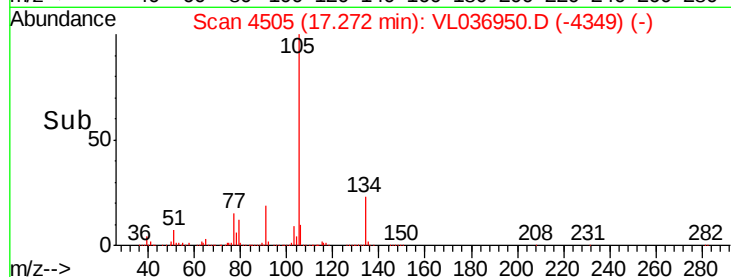
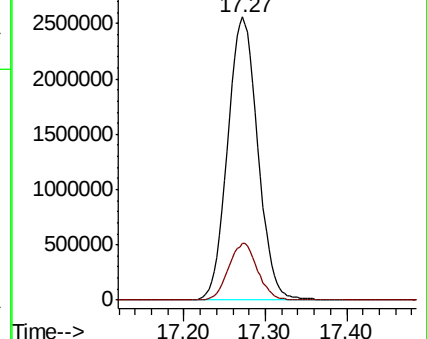
105 100

134 19.5 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: 8.108 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

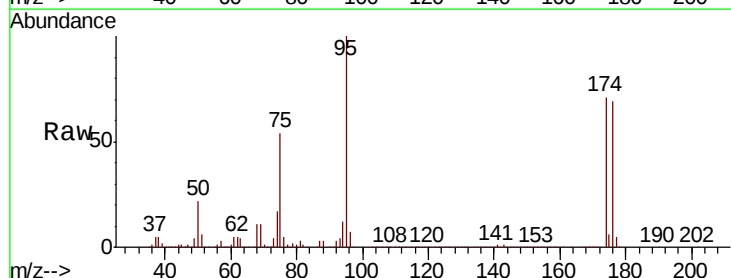
Tgt Ion: 95 Resp: 3012171

Ion Ratio Lower Upper

95 100

174 73.0 58.4 87.6

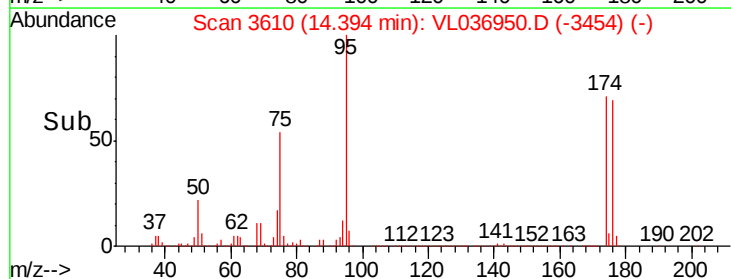
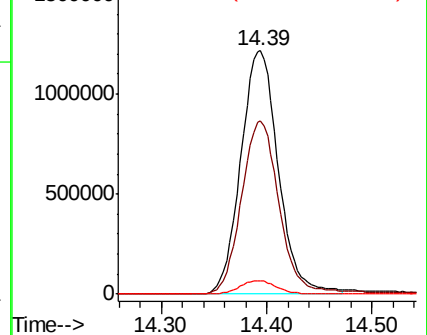
175 5.5 4.4 6.6

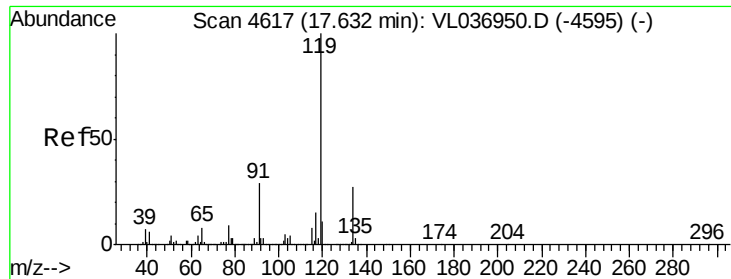


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



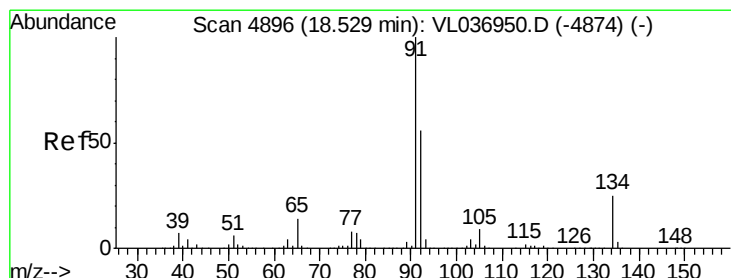
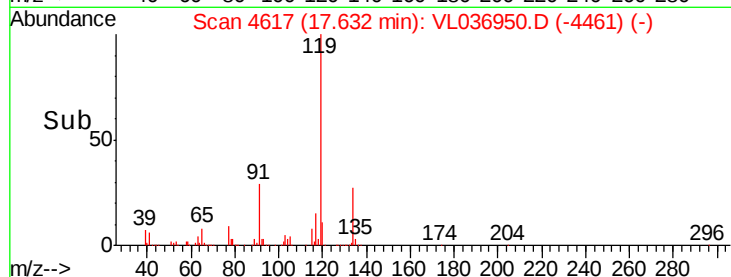
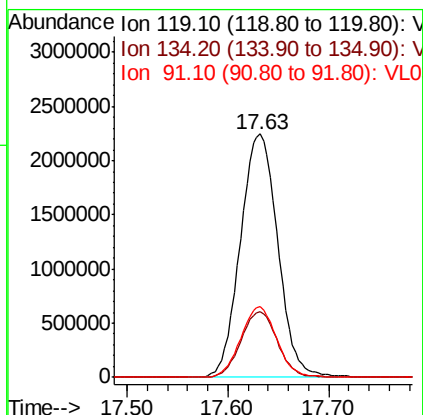
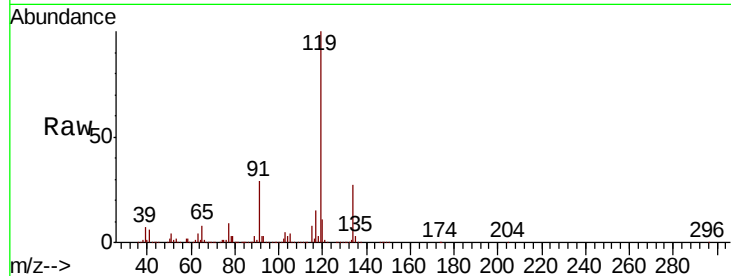


#69
 p-Isopropyltoluene
 Concen: 8.626 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 119 Resp: 5773988

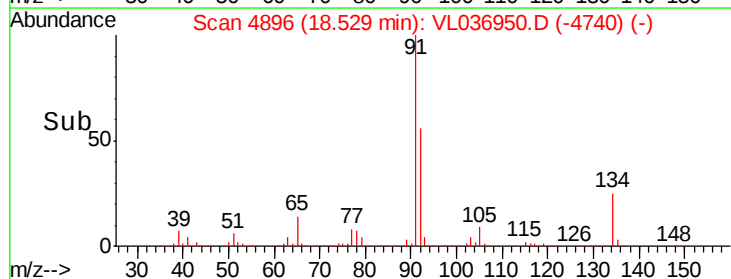
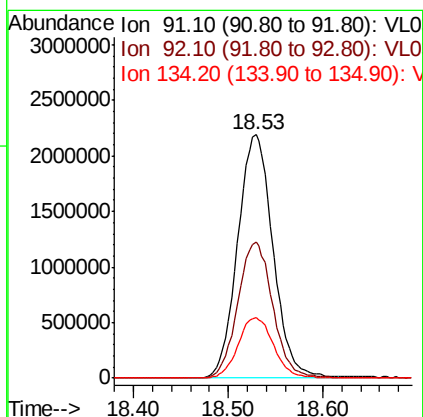
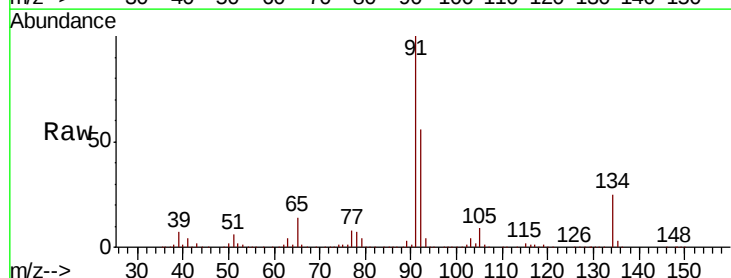
Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	27.9	22.2	33.4

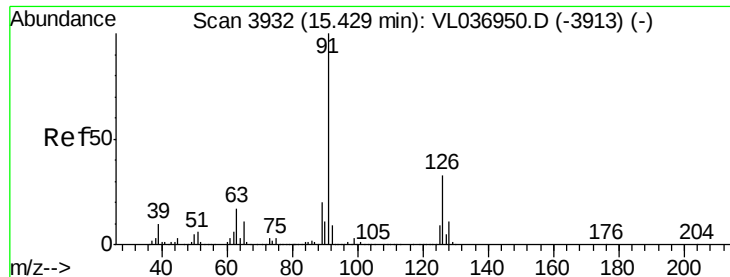


#70
 n-Butylbenzene
 Concen: 8.468 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion: 91 Resp: 5682228

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.6	66.8
134	25.2	20.2	30.2

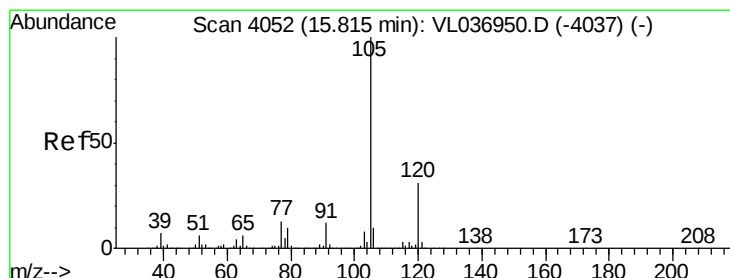
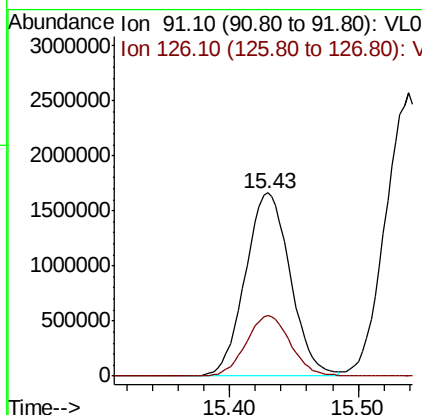
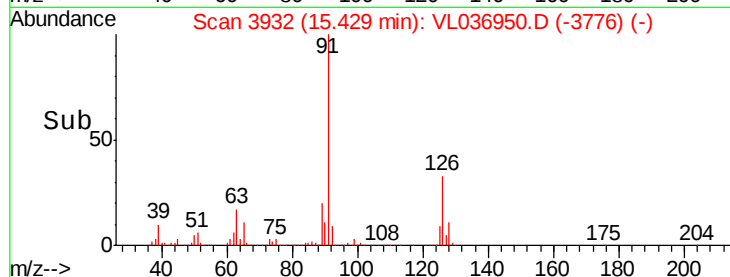
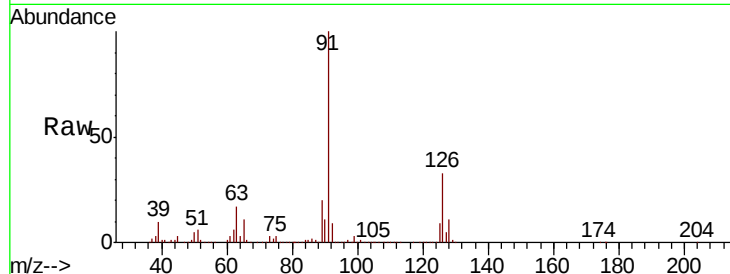




#71
 2-Chlorotoluene
 Concen: 8.023 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

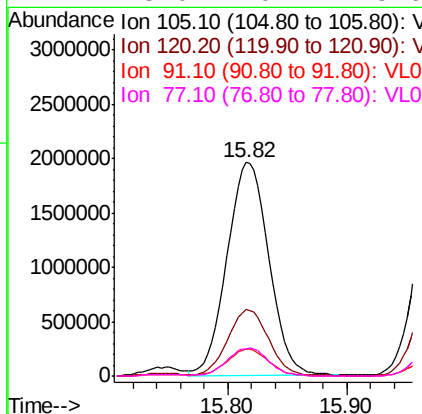
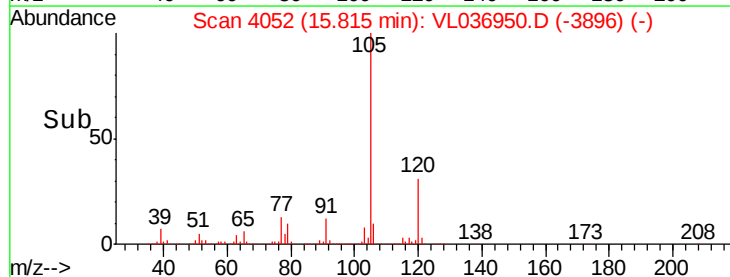
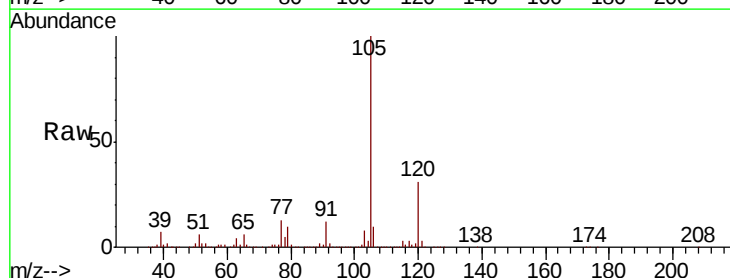
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

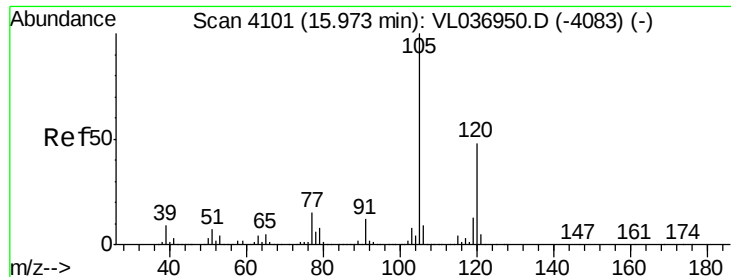
Tot Ion: 91 Resp: 4027032
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.918 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion:105 Resp: 4756472
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.6 37.0
 91 12.2 9.8 14.6
 77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.225 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

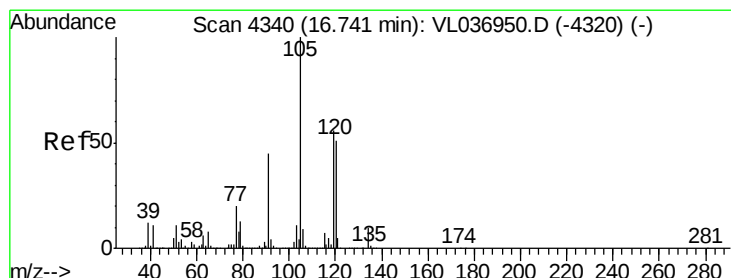
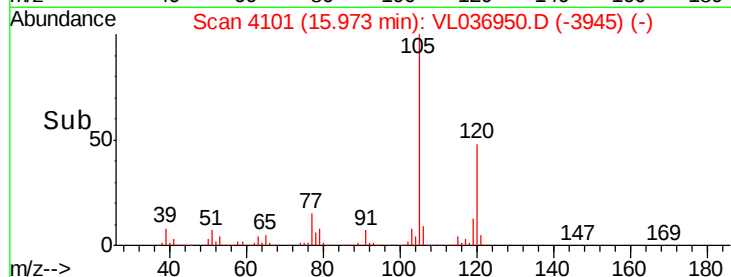
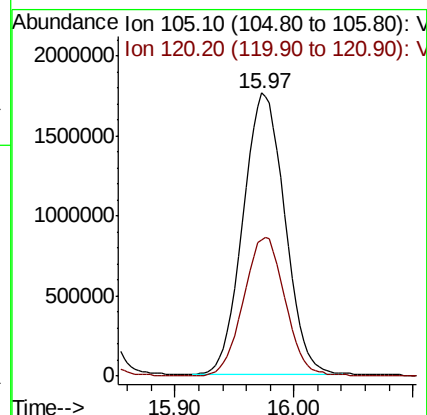
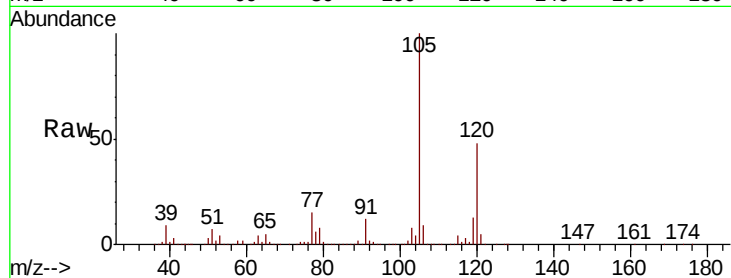
VSTDICCC010

Tot Ion:105 Resp: 4286473

Ion Ratio Lower Upper

105 100

120 48.3 38.6 58.0



#74

1,2,4-Trimethylbenzene

Concen: 7.676 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:105 Resp: 4392220

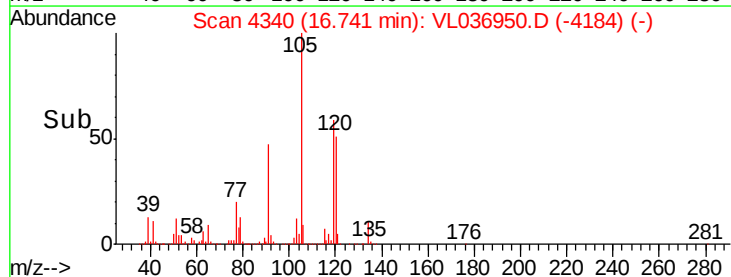
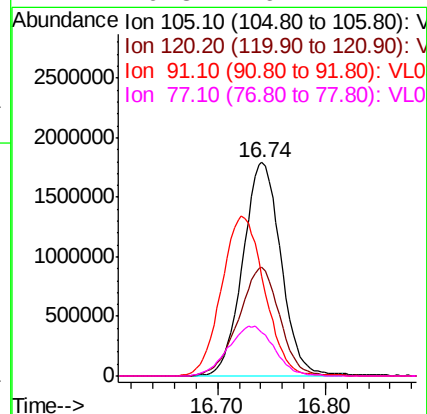
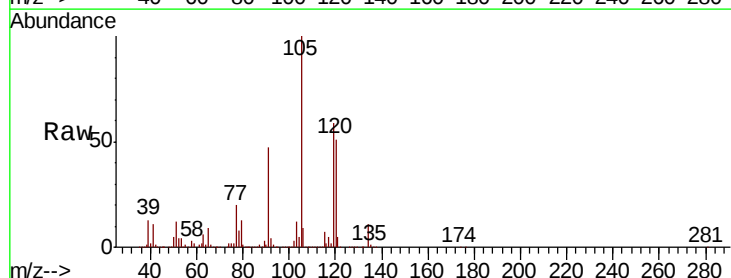
Ion Ratio Lower Upper

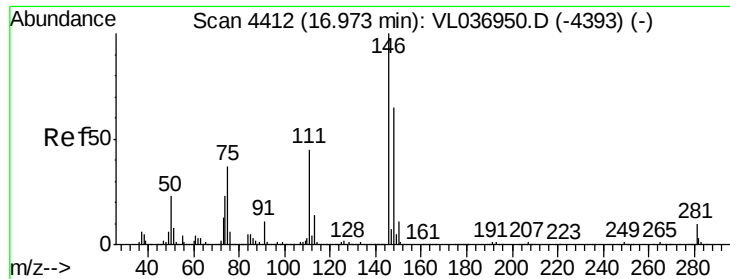
105 100

120 50.8 40.6 61.0

91 46.7 37.4 56.0

77 20.3 16.2 24.4

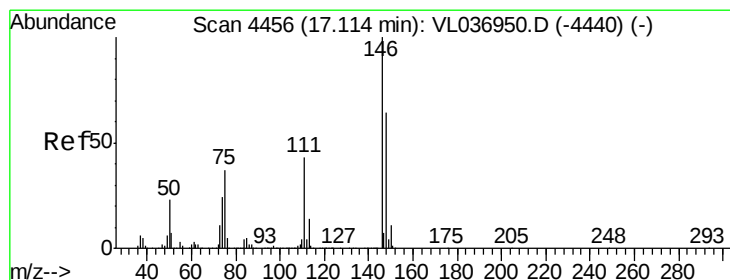
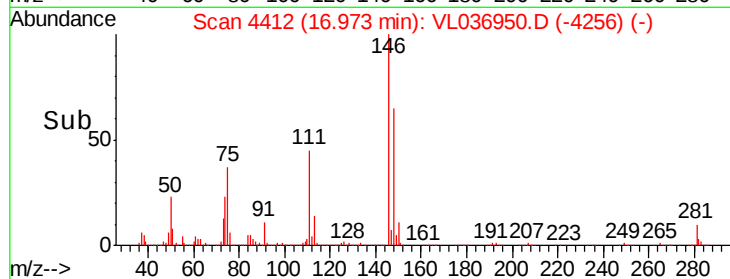
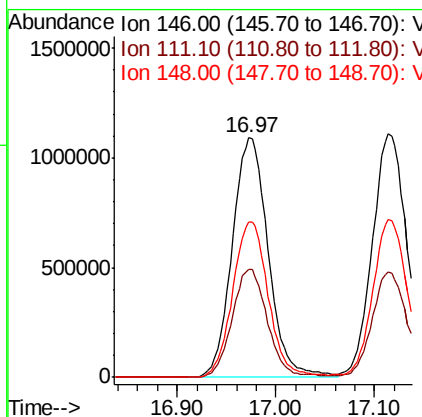
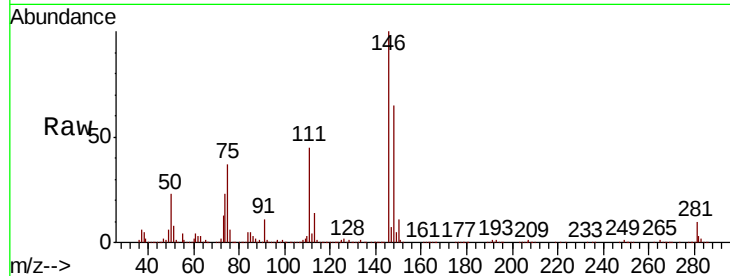




#75
 1,3-Dichlorobenzene
 Concen: 7.463 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

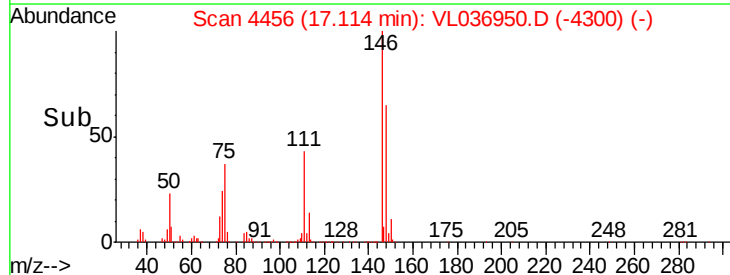
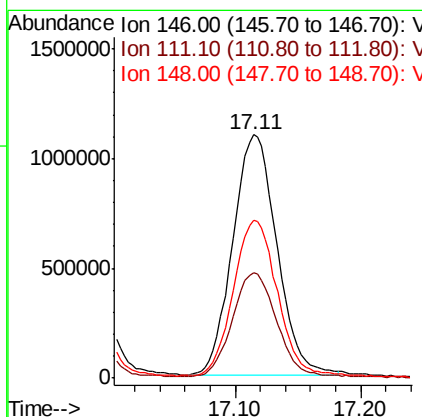
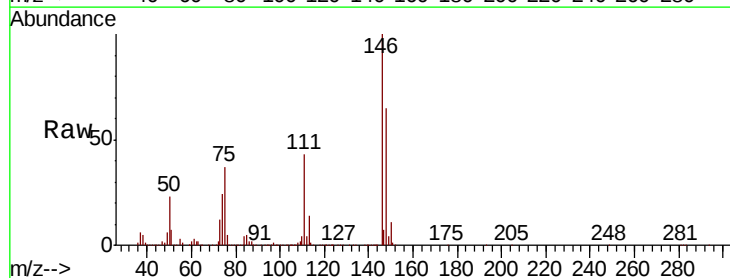
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

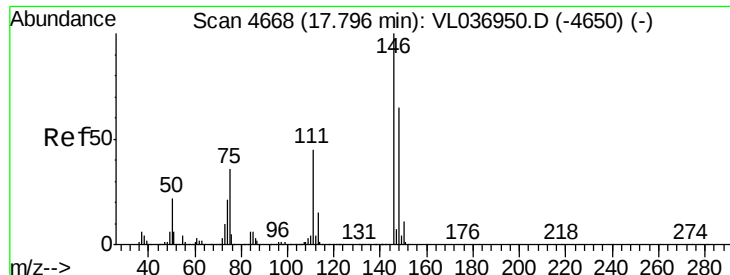
Tot Ion:146 Resp: 2768597
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.2 66.6
 148 64.5 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 8.055 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Tgt Ion:146 Resp: 2669817
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.6 67.7
 148 67.0 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 8.036 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

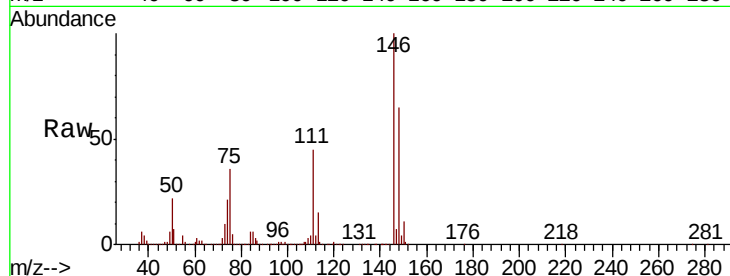
Tot Ion:146 Resp: 2699076

Ion Ratio Lower Upper

146 100

111 46.0 23.1 69.2

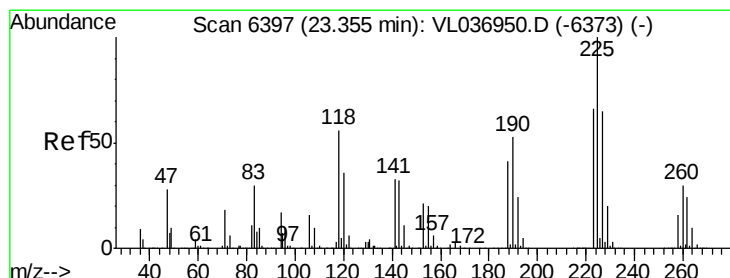
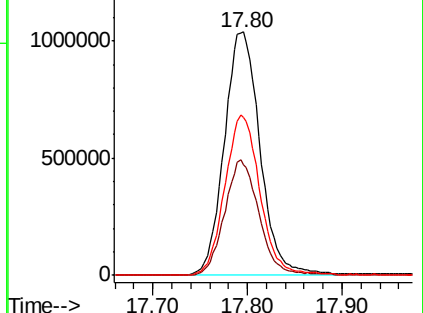
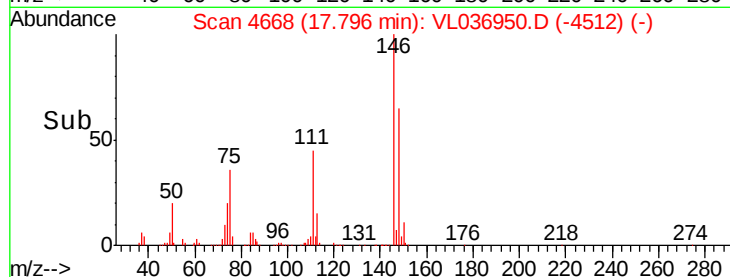
148 65.2 32.5 97.4



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: 6.598 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

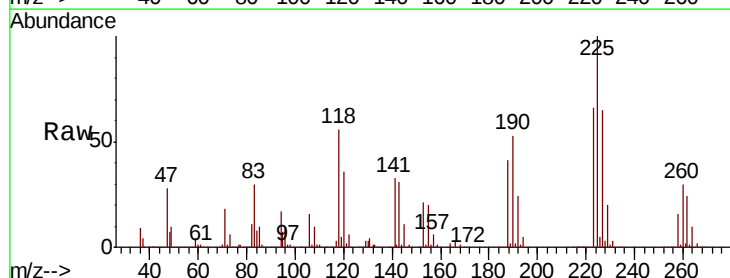
Tgt Ion:225 Resp: 1979108

Ion Ratio Lower Upper

225 100

223 64.7 51.9 77.9

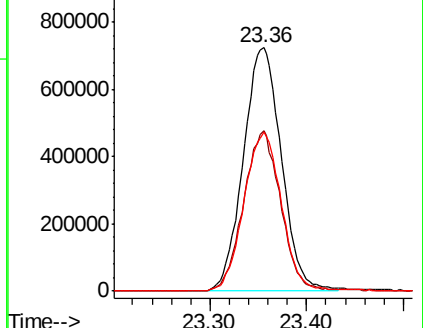
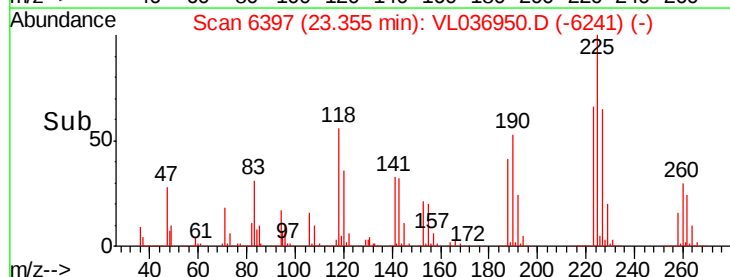
227 65.0 51.8 77.6

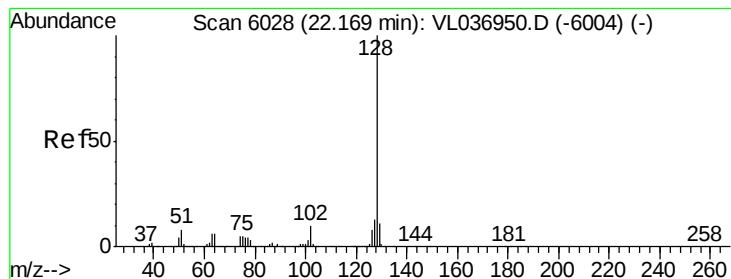


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 15.843 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Instrument :

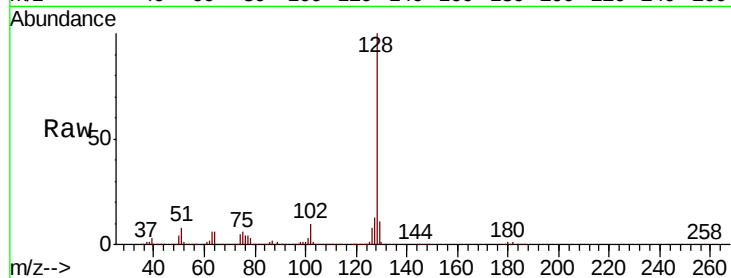
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4094970

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.3	9.0	13.6

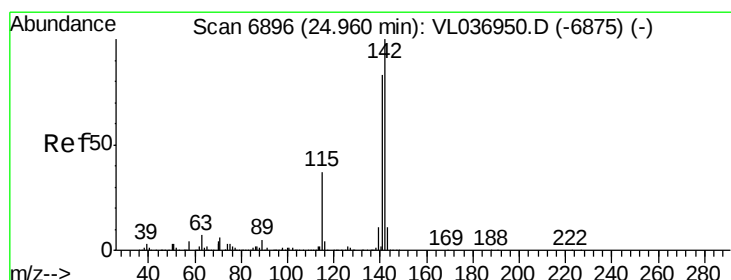
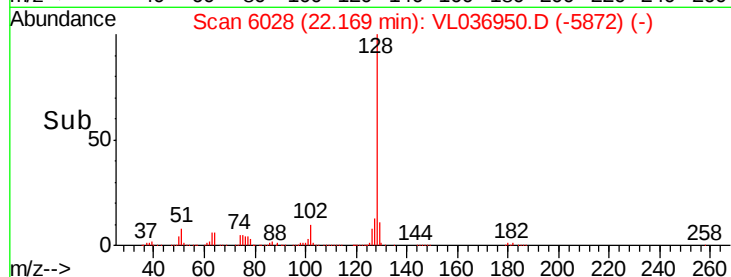
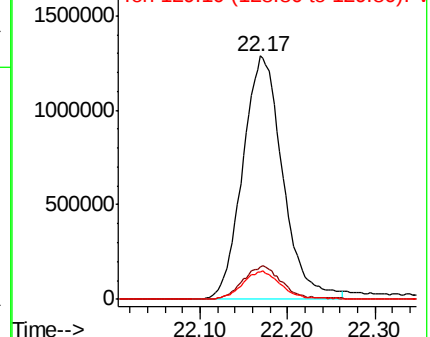


Abundance

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: 22.841 ppbv

RT: 24.96 min Scan# 6896

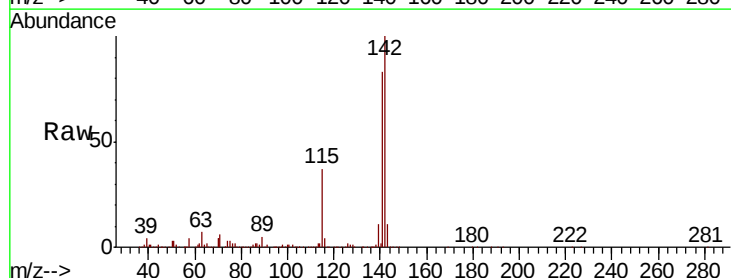
Delta R.T. 0.00 min

Lab File: VL036950.D

Acq: 18 May 2021 1:58

Tgt Ion:142 Resp: 865210

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.3	103.9
115	36.4	29.1	43.7

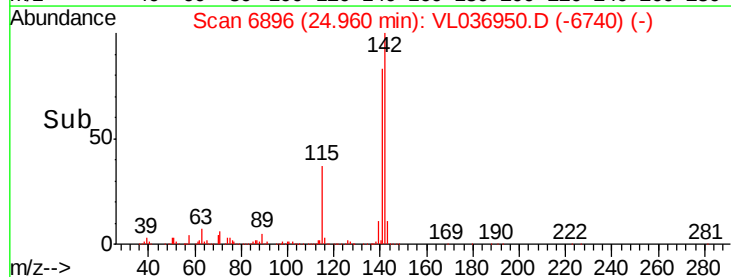
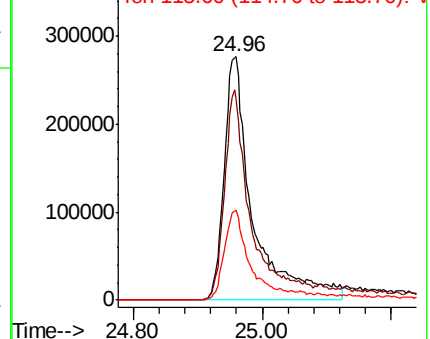


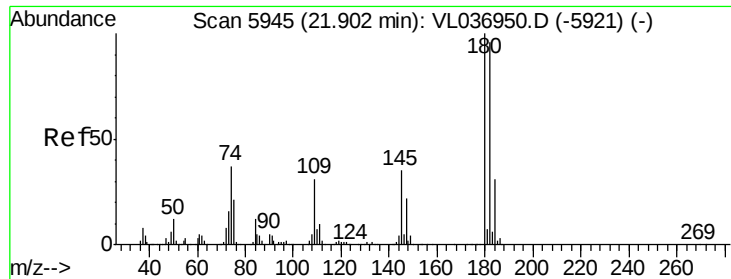
Abundance

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: 12.458 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. 0.00 min
 Lab File: VL036950.D
 Acq: 18 May 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:180 Resp: 2304355
 Ion Ratio Lower Upper
 180 100
 182 101.7 81.7 122.5
 184 31.8 24.9 37.3

