

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036210.D
 Acq On : 13 Jan 2021 2:34
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Jan 13 05:46:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1565577	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3468147	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3996729	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2775739	8.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1777179	9.669 ppbv	100
3) Chlorodifluoromethane	2.98	51	1750292	9.772 ppbv	100
4) Chloromethane	3.13	50	865416	9.819 ppbv	100
5) Vinyl Chloride	3.25	62	829901	8.543 ppbv	100
6) Bromomethane	3.47	94	439220	8.833 ppbv	100
7) Chloroethane	3.55	64	275314	8.415 ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1819171	9.100 ppbv	100
9) Propene	3.00	41	778842	8.763 ppbv	100
10) Heptane	8.12	43	2066705	9.117 ppbv	100
11) Trichlorofluoromethane	3.94	101	1894811	8.989 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1168644	8.304 ppbv	100
13) Ethanol	3.60	45	113161	9.193 ppbv	98
14) Bromoethene	3.73	108	506692	8.687 ppbv	100
15) Acetone	3.84	43	1481706	7.997 ppbv	100
16) 1,3-Butadiene	3.32	39	843382	9.018 ppbv	100
17) tert-Butyl alcohol	4.29	59	1387086	7.953 ppbv	100
18) 1,1-Dichloroethene	4.28	96	523994	8.383 ppbv	100
19) Isopropyl Alcohol	3.96	45	996991	8.807 ppbv	99
20) Methylene Chloride	4.34	84	439272	5.917 ppbv	100
21) Allyl Chloride	4.40	41	1000187	8.327 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	506407	8.142 ppbv	100
23) Vinyl Acetate	5.07	43	2238961	9.088 ppbv	100
24) 1,1-Dichloroethane	5.01	63	1509936	8.713 ppbv	100
25) Ethyl Acetate	5.67	43	3393065	9.150 ppbv	100
26) Hexane	5.68	57	1364056	8.178 ppbv	100
27) Carbon Disulfide	4.54	76	1327899	8.283 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1879063	8.106 ppbv	100
29) Chloroform	5.75	83	2091709	9.467 ppbv	100
30) Cyclohexane	7.13	84	1169849	9.397 ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1450804	9.501 ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2070196	9.082 ppbv	100
34) 2-Butanone	5.24	43	2197974	9.439 ppbv	99
35) Carbon Tetrachloride	7.01	117	2049470	10.129 ppbv	100
36) Benzene	6.89	78	2851889	9.659 ppbv	100
37) 1,2-Dichloroethane	6.30	62	1742596	10.126 ppbv	100
38) Trichloroethene	7.83	130	913680	8.380 ppbv	100
39) 1,2-Dichloropropane	7.61	63	1179381	10.088 ppbv	100
40) 1,4-Dioxane	7.83	88	357038	9.690 ppbv	# 100
41) Tetrahydrofuran	6.04	42	1268071	9.285 ppbv	99
42) Bromodichloromethane	7.79	83	2284495	10.053 ppbv	100
43) Methyl Methacrylate	8.01	69	1278845	10.094 ppbv	99

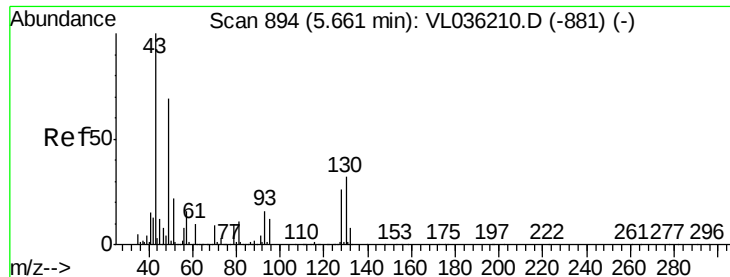
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036210.D
 Acq On : 13 Jan 2021 2:34
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICCC010

Quant Time: Jan 13 05:46:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4985160	9.359	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1381385	10.660	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1687060	10.317	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1112096	9.863	ppbv	100
48) Dibromochloromethane	10.30	129	1788860	10.597	ppbv	100
49) Bromoform	13.04	173	1493978	11.195	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3467762	10.012	ppbv	100
51) 2-Hexanone	10.13	43	2866773	10.445	ppbv	100
52) Tetrachloroethene	11.22	164	904682	8.525	ppbv	100
53) Toluene	9.80	91	3208379	9.687	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1674242	9.908	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1321664	7.982	ppbv	100
57) Chlorobenzene	12.15	112	2200925	7.809	ppbv	100
58) Ethyl Benzene	12.71	91	4307361	7.812	ppbv	100
59) m/p-Xylene	12.99	91	4147838	8.949	ppbv #	51
60) o-Xylene	13.69	91	3364264	7.689	ppbv	100
61) Styrene	13.53	104	2425525	8.543	ppbv	100
62) Isopropylbenzene	14.67	105	5066514	7.784	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2358113	7.937	ppbv	100
64) n-propylbenzene	15.56	120	1296880	8.231	ppbv	100
65) tert-Butylbenzene	16.74	119	4235700	7.913	ppbv	100
66) Benzyl Chloride	16.99	91	1540495	11.218	ppbv	100
67) sec-Butylbenzene	17.30	105	6196014	8.191	ppbv	100
69) p-Isopropyltoluene	17.65	119	5042097	8.371	ppbv	100
70) n-Butylbenzene	18.55	91	5432892	8.967	ppbv	100
71) 2-Chlorotoluene	15.46	91	4061027	8.168	ppbv	100
72) 4-Ethyltoluene	15.84	105	3951643	8.235	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3771638	8.212	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	3737080	8.113	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	1988012	8.552	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1999814	8.449	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1991230	8.839	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1466069	8.241	ppbv	100
79) Naphthalene	22.20	128	2805272	11.378	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	746883	14.828	ppbv	89
81) 1,2,4-Trichlorobenzene	21.93	180	1447565	9.243	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

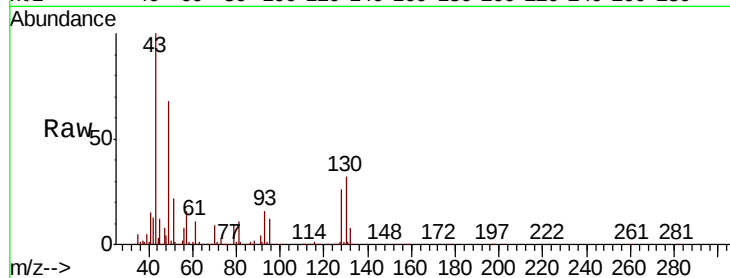
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1565577

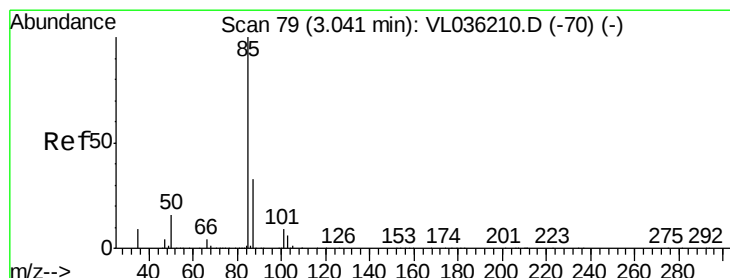
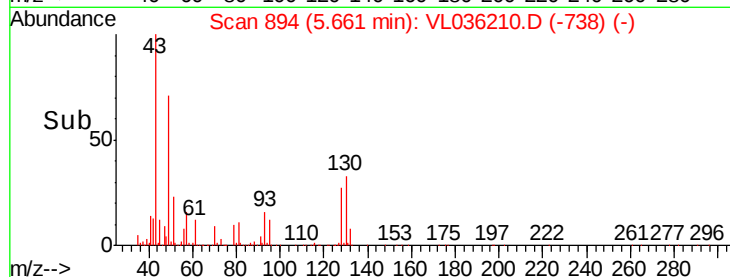
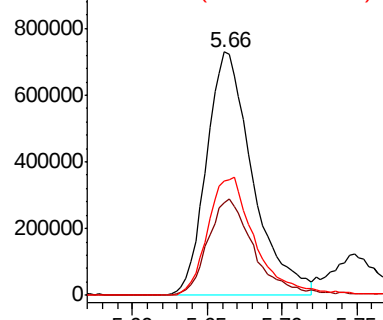
Ion	Ratio	Lower	Upper
49	100		
128	40.4	20.1	60.2
130	50.8	25.3	75.9



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: 9.669 ppbv

RT: 3.04 min Scan# 79

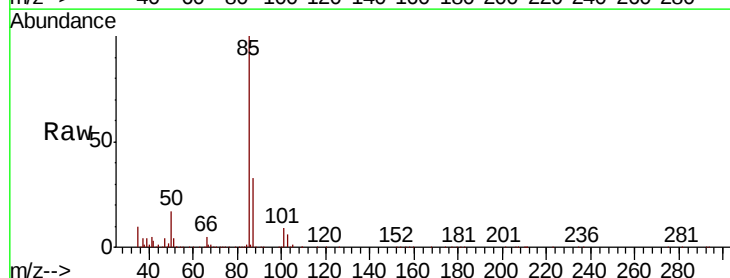
Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

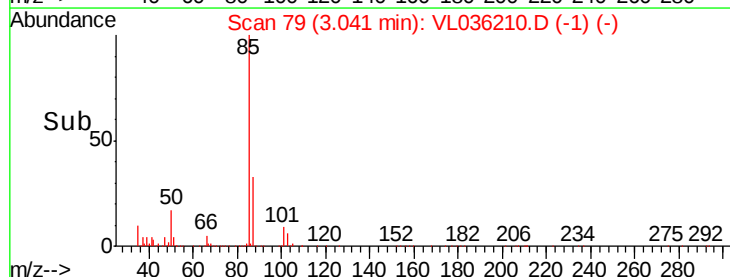
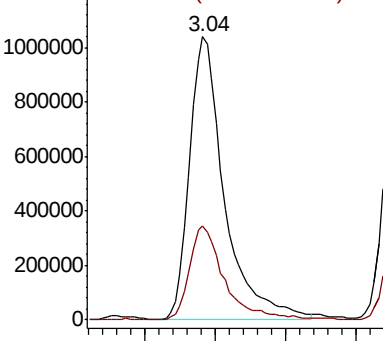
Tgt Ion: 85 Resp: 1777179

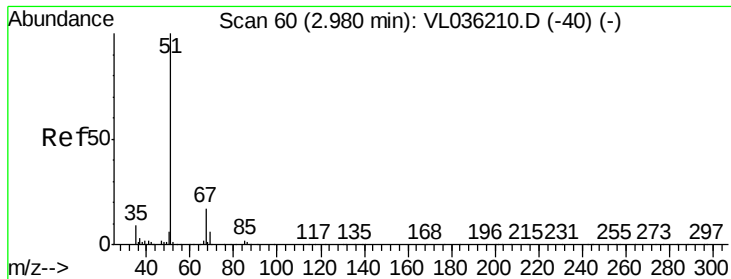
Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.4	39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.772 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

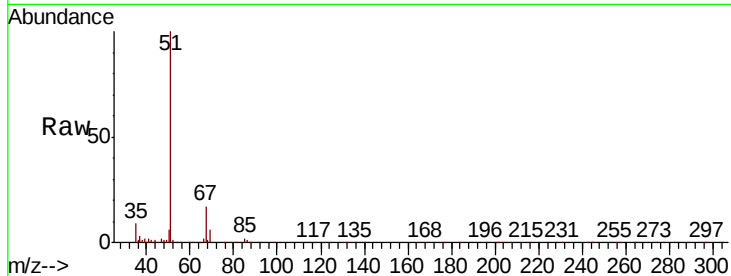
VSTDICCC010

Tot Ion: 51 Resp: 1750292

Ion Ratio Lower Upper

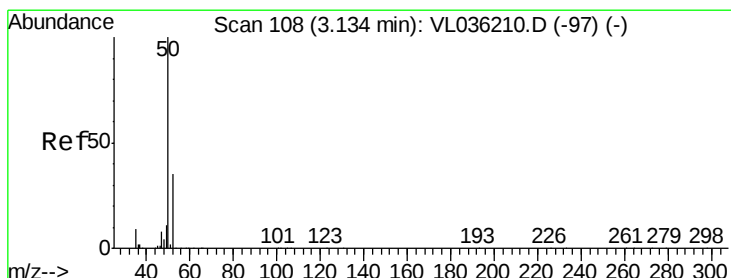
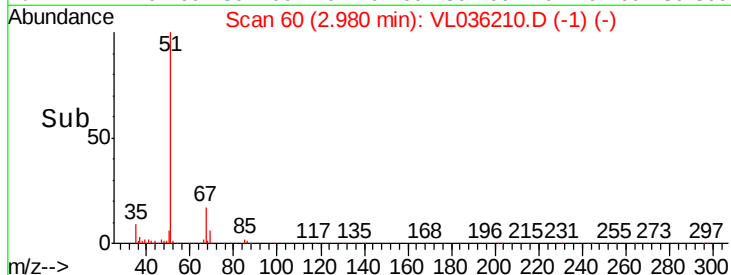
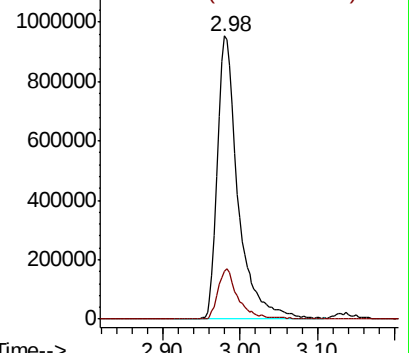
51 100

67 17.5 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.819 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL036210.D

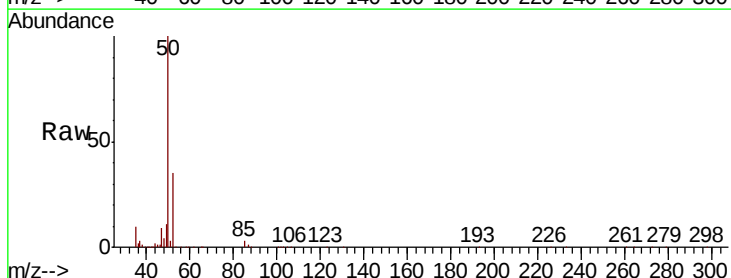
Acq: 13 Jan 2021 2:34

Tgt Ion: 50 Resp: 865416

Ion Ratio Lower Upper

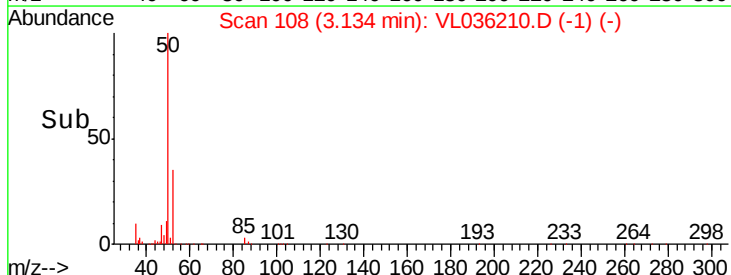
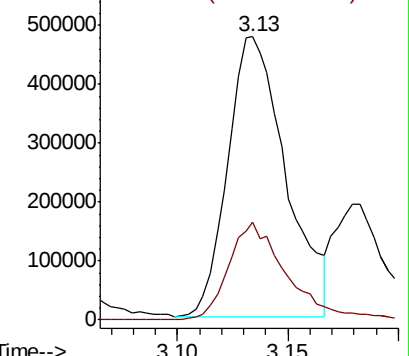
50 100

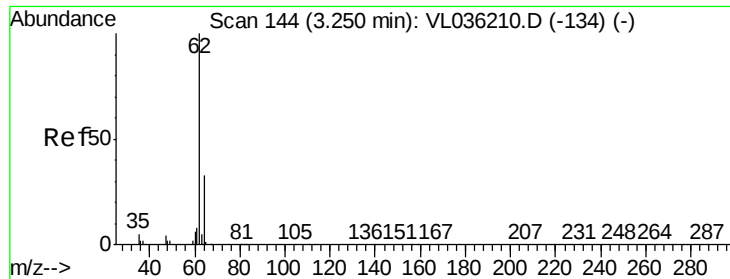
52 34.8 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.543 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

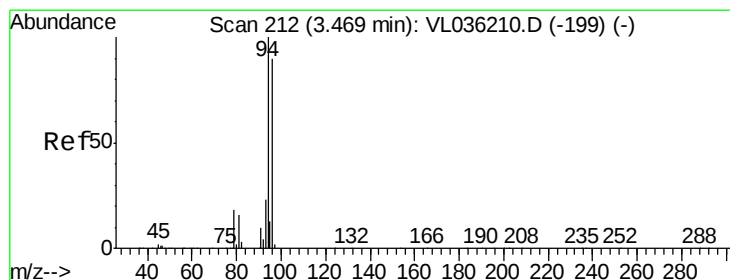
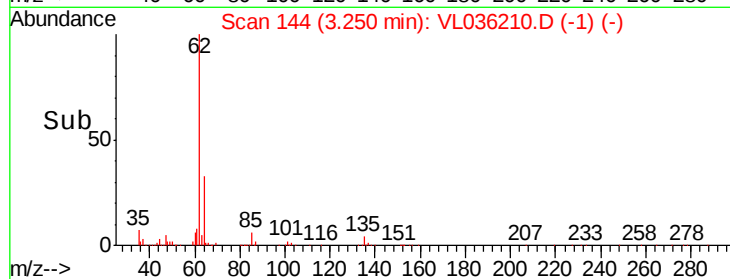
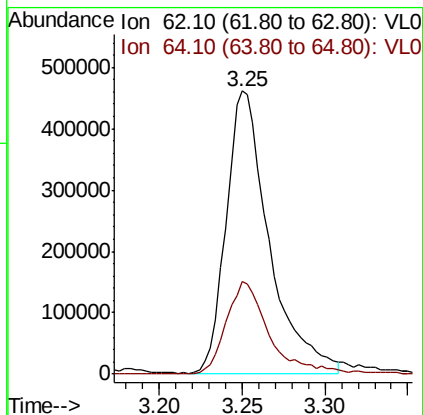
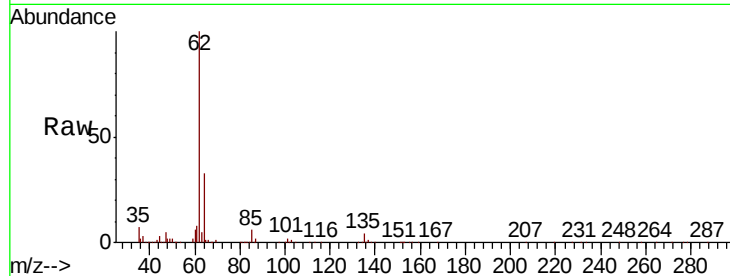
VSTDICCC010

Tot Ion: 62 Resp: 829901

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2



#6

Bromomethane

Concen: 8.833 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL036210.D

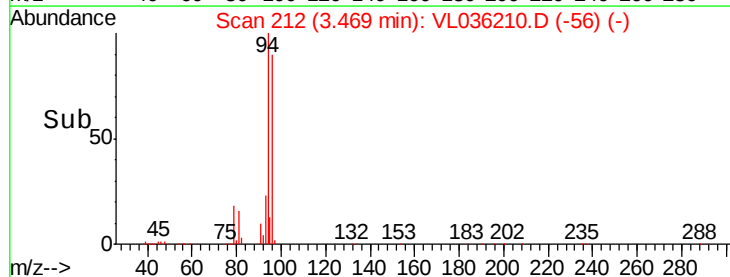
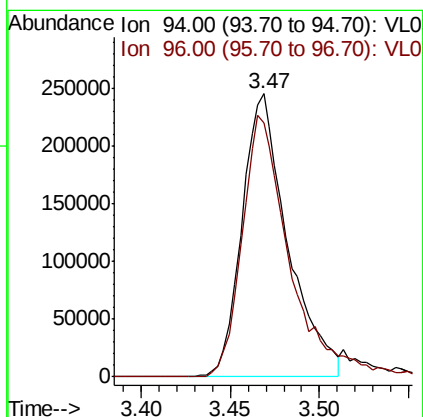
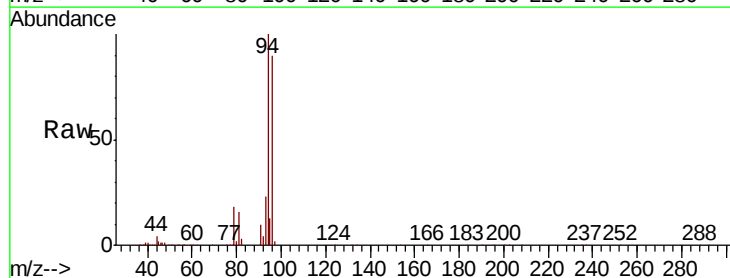
Acq: 13 Jan 2021 2:34

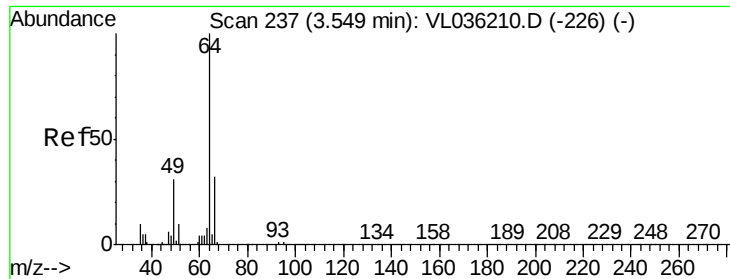
Tgt Ion: 94 Resp: 439220

Ion Ratio Lower Upper

94 100

96 89.9 71.9 107.9





#7

Chloroethane

Concen: 8.415 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

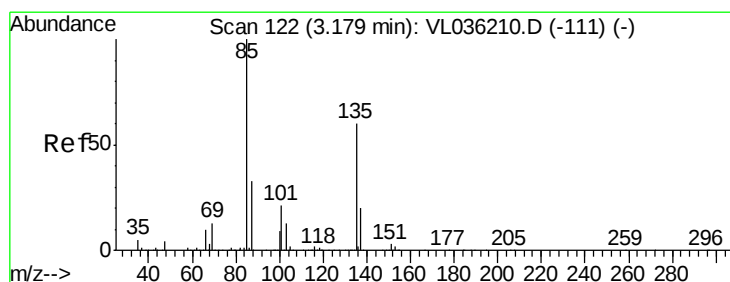
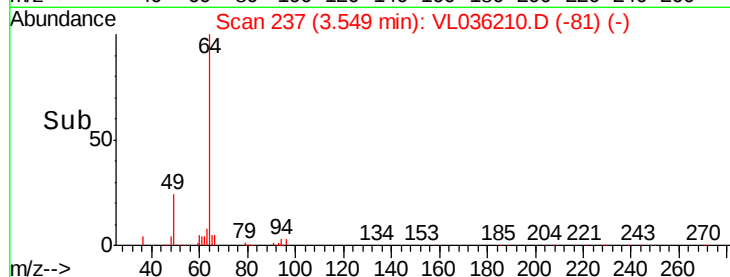
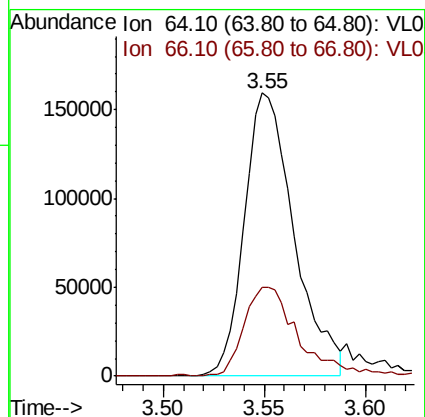
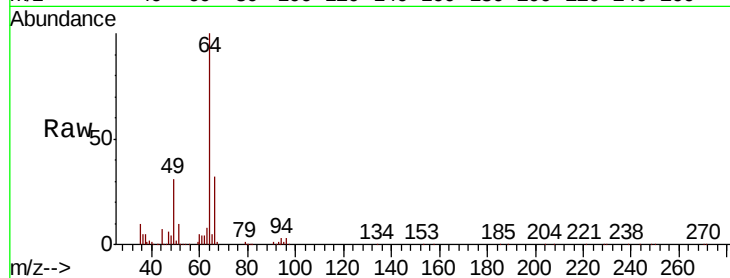
VSTDICCC010

Tot Ion: 64 Resp: 275314

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 9.100 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL036210.D

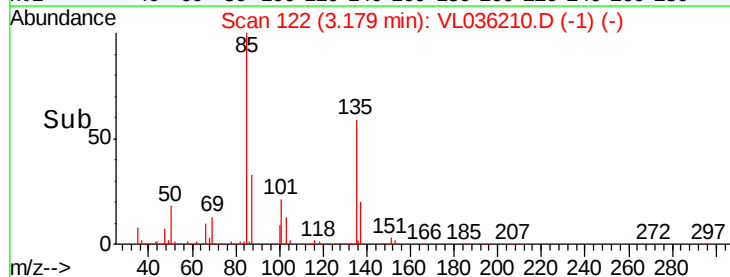
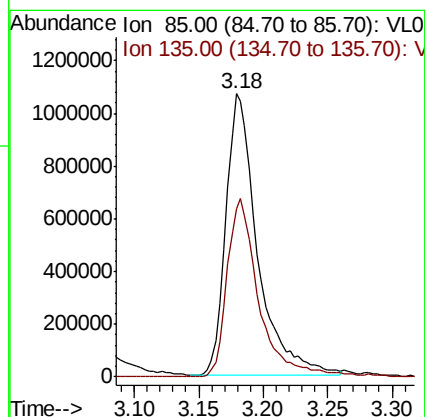
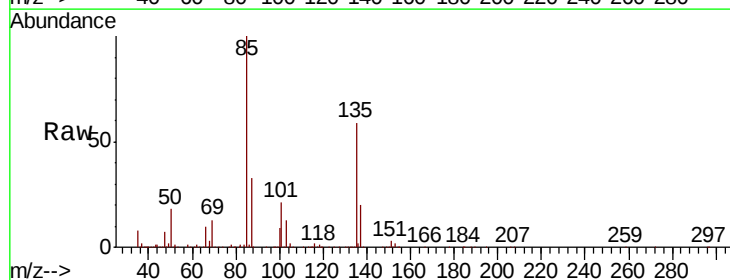
Acq: 13 Jan 2021 2:34

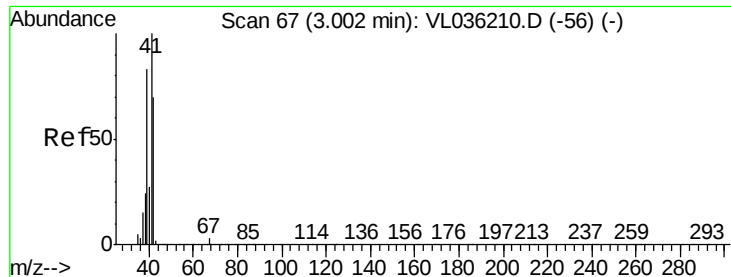
Tgt Ion: 85 Resp: 1819171

Ion Ratio Lower Upper

85 100

135 64.4 51.5 77.3





#9

Propene

Concen: 8.763 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

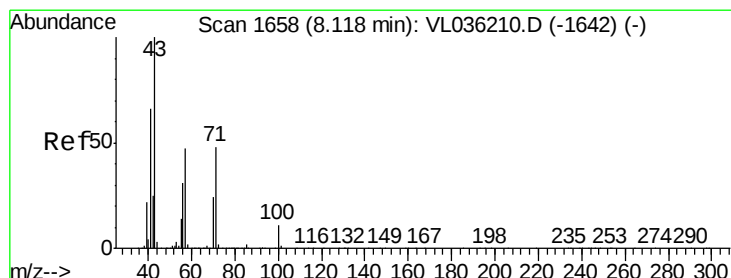
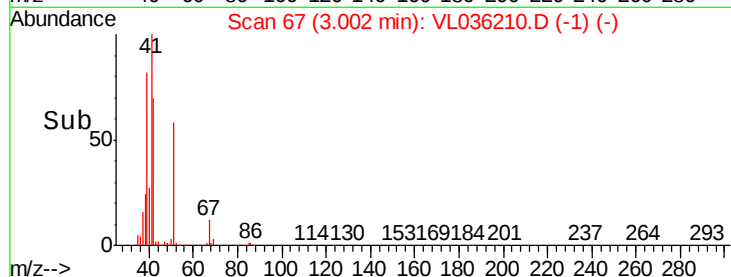
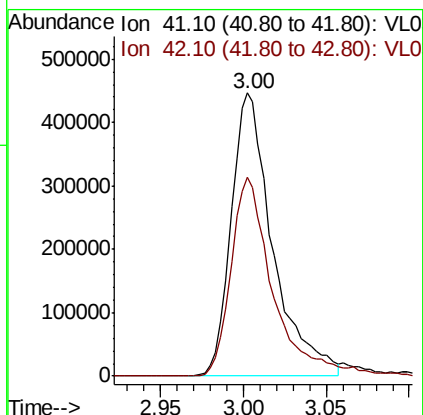
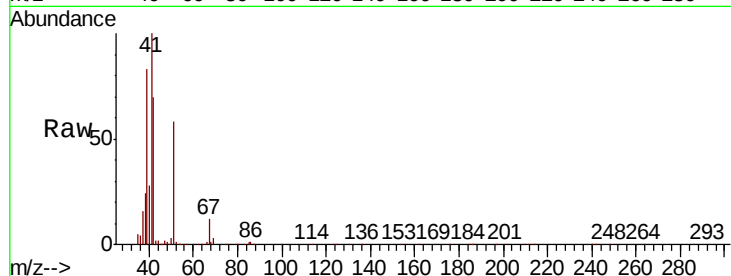
VSTDICCC010

Tot Ion: 41 Resp: 778842

Ion Ratio Lower Upper

41 100

42 71.4 57.1 85.7



#10

Heptane

Concen: 9.117 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL036210.D

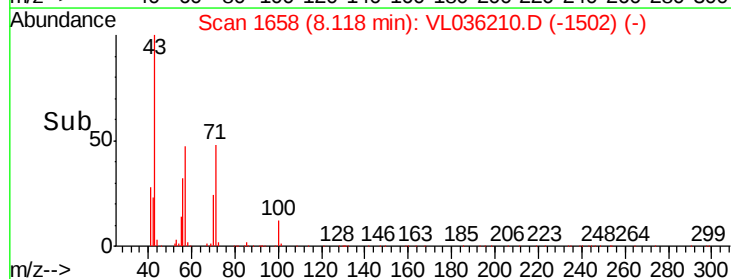
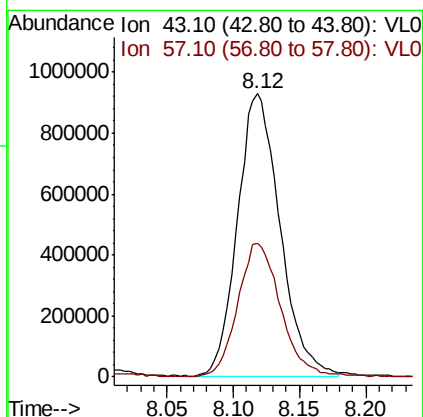
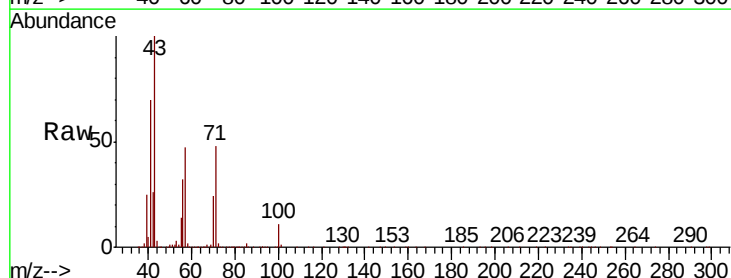
Acq: 13 Jan 2021 2:34

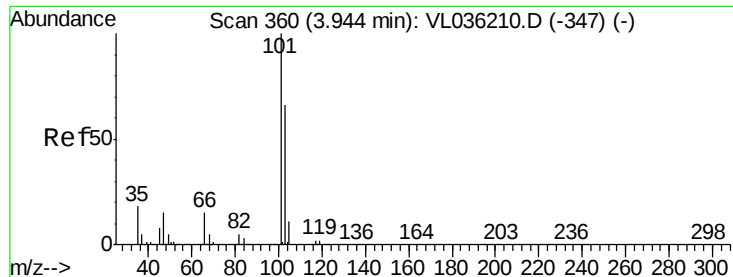
Tgt Ion: 43 Resp: 2066705

Ion Ratio Lower Upper

43 100

57 47.6 38.1 57.1

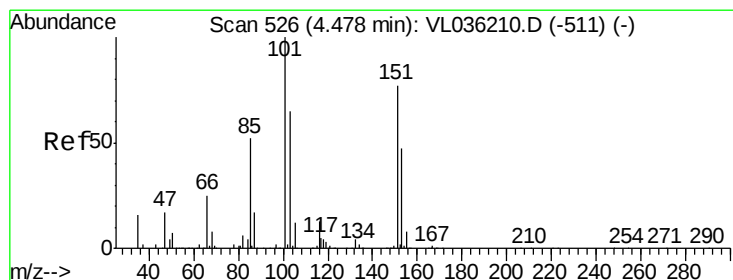
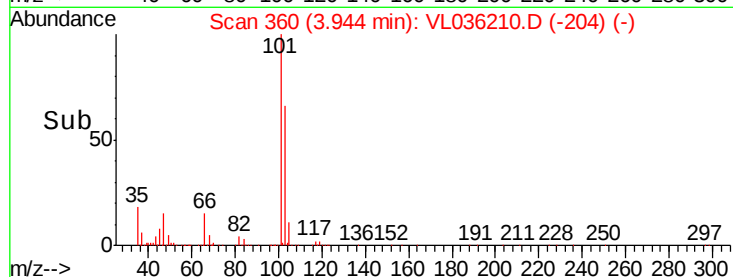
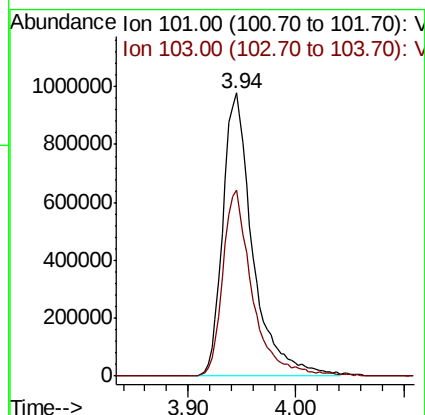
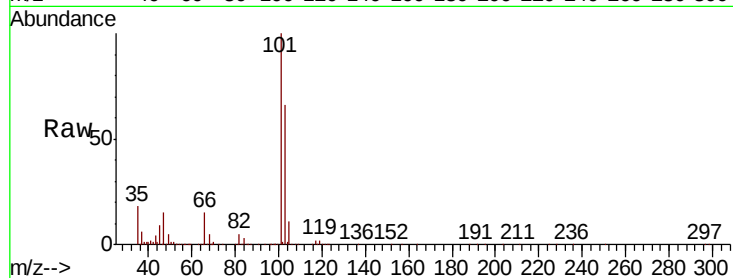




#11
 Trichlorofluoromethane
 Concen: 8.989 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

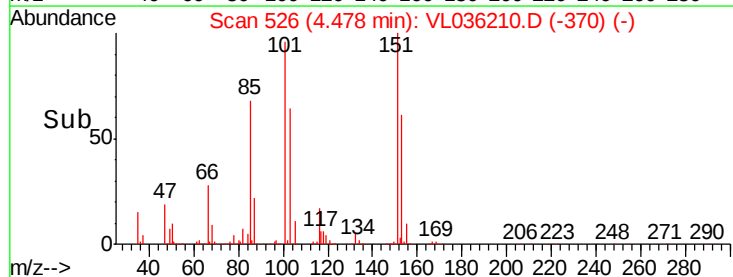
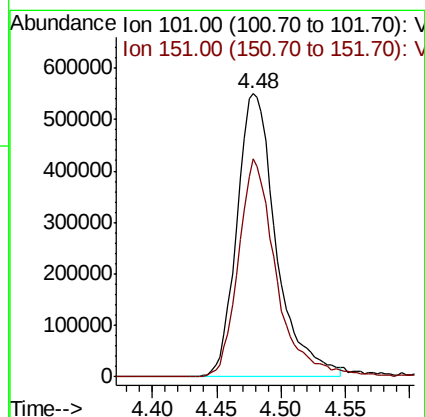
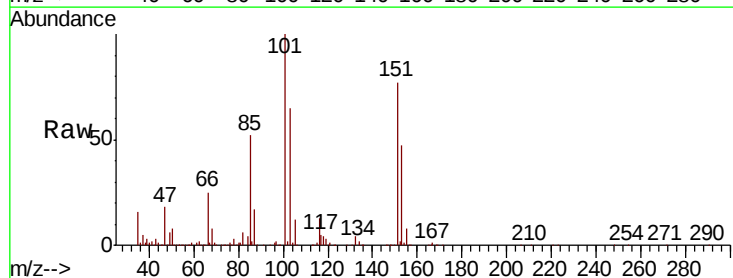
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

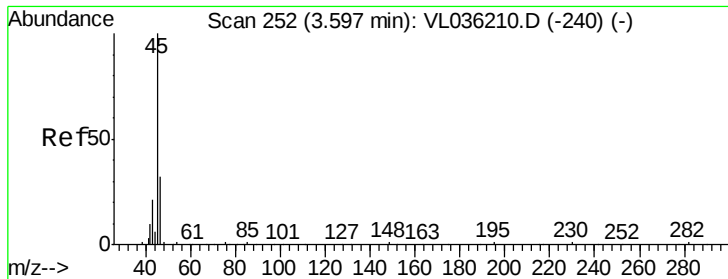
Tot Ion:101 Resp: 1894811
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.304 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion:101 Resp: 1168644
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.8 89.6

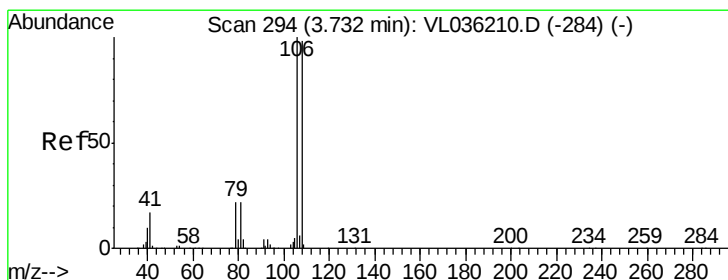
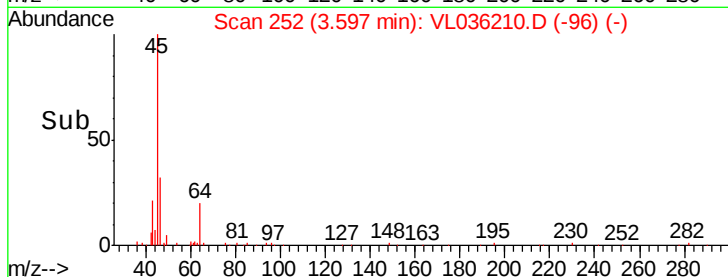
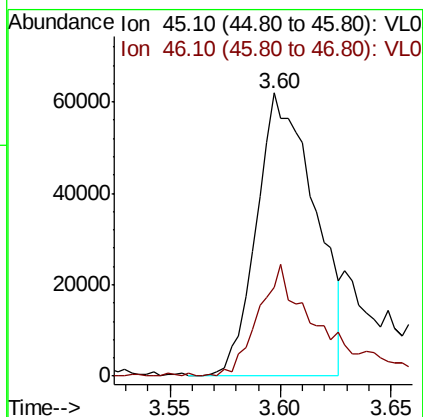
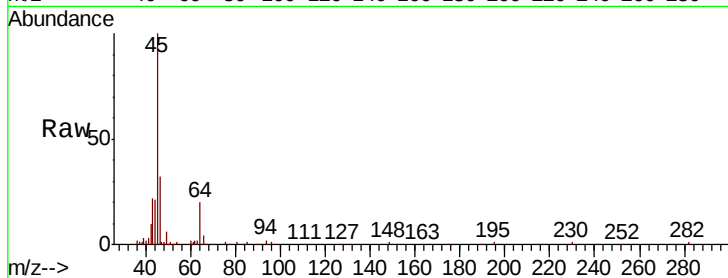




#13
Ethanol
Concen: 9.193 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

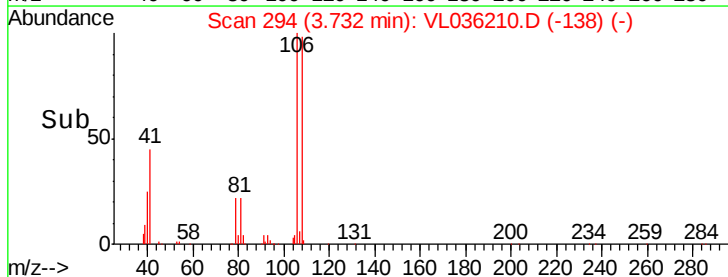
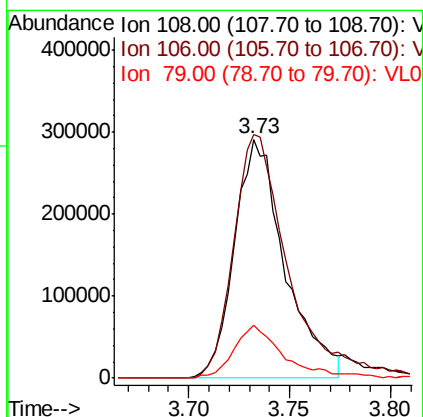
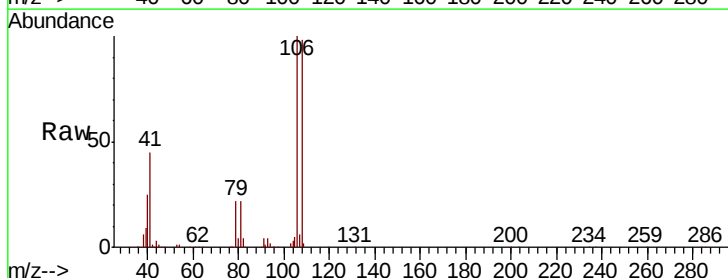
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

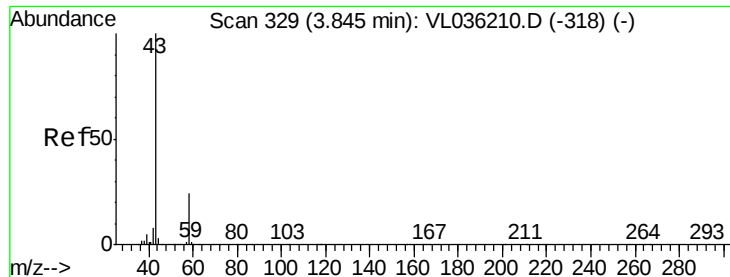
Tot Ion: 45 Resp: 113161
Ion Ratio Lower Upper
45 100
46 46.4 19.2 77.0



#14
Bromoethene
Concen: 8.687 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 108 Resp: 506692
Ion Ratio Lower Upper
108 100
106 114.3 91.4 137.2
79 23.0 18.3 27.5





#15

Acetone

Concen: 7.997 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

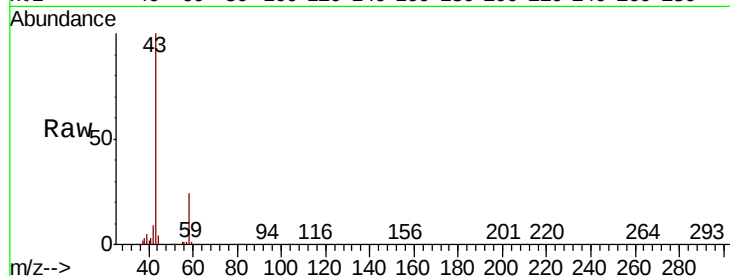
VSTDICCC010

Tot Ion: 43 Resp: 1481706

Ion Ratio Lower Upper

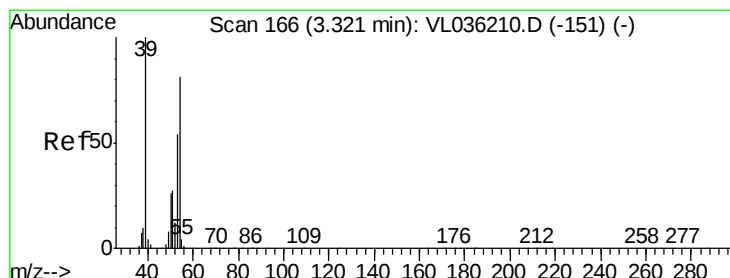
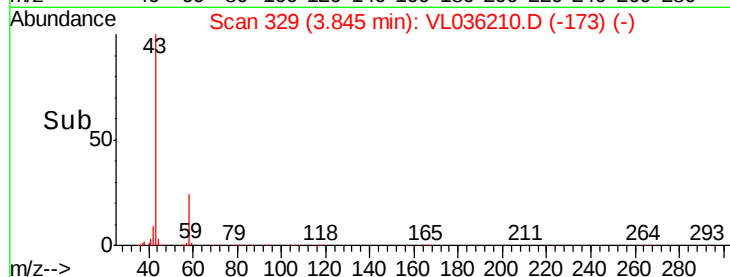
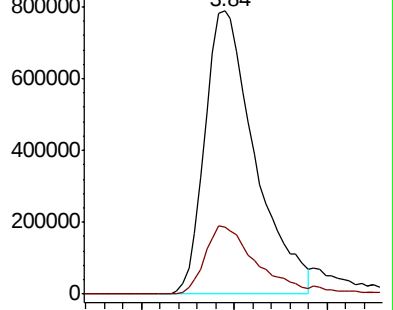
43 100

58 26.1 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.018 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL036210.D

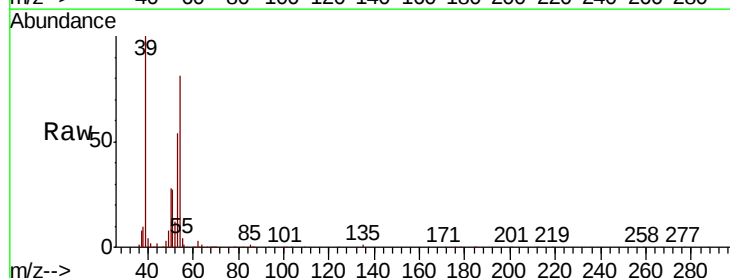
Acq: 13 Jan 2021 2:34

Tgt Ion: 39 Resp: 843382

Ion Ratio Lower Upper

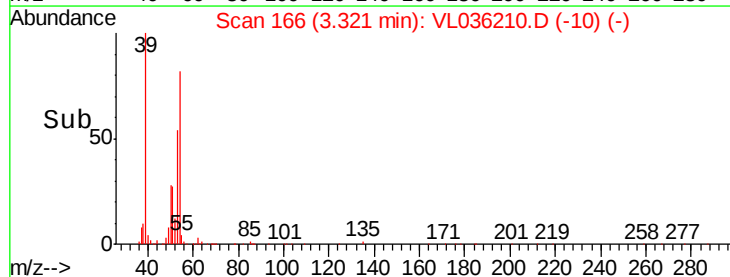
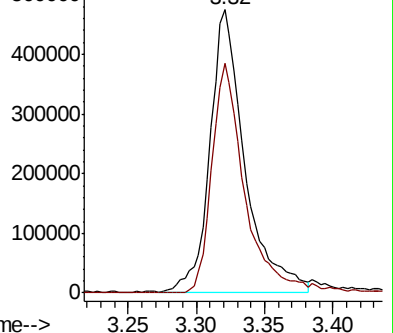
39 100

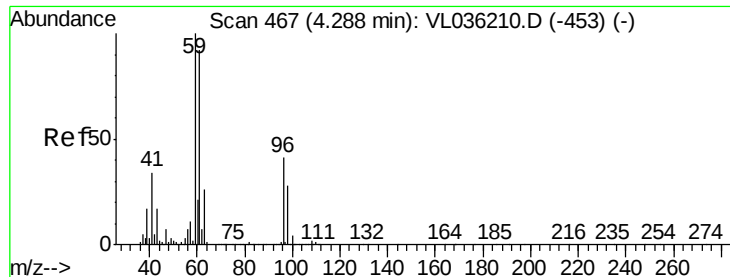
54 78.1 62.5 93.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





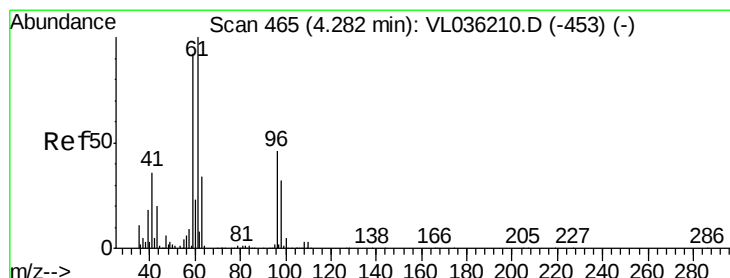
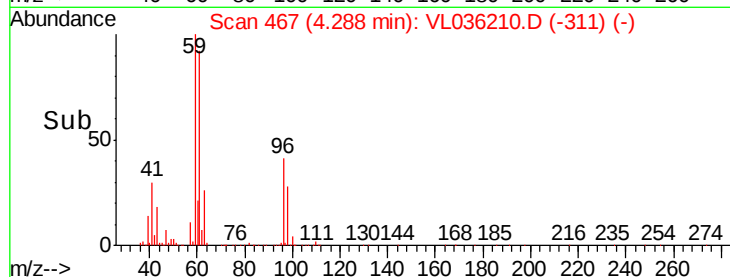
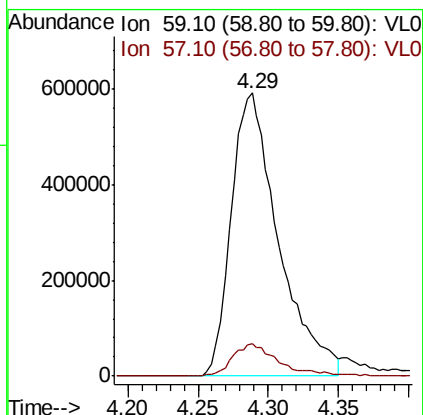
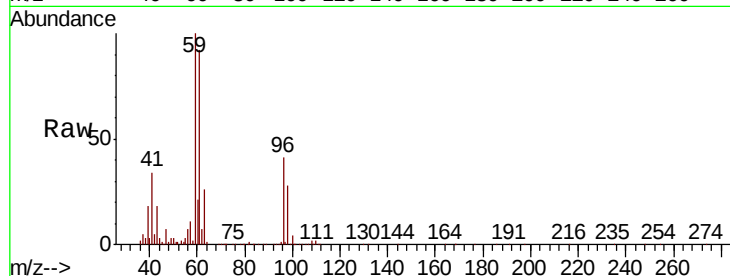
#17

tert-Butyl alcohol
Concen: 7.953 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1387086

Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8

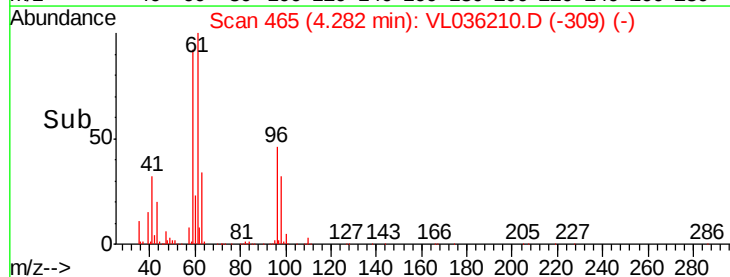
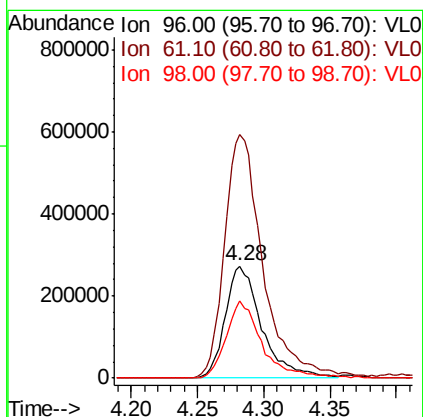
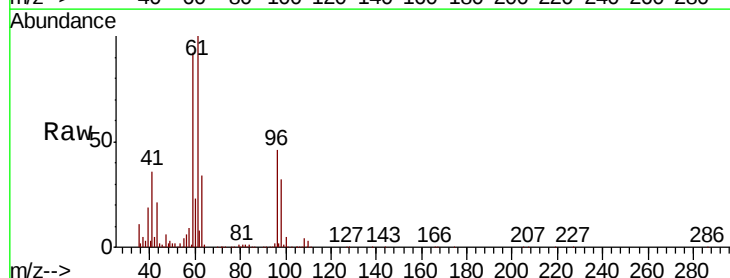


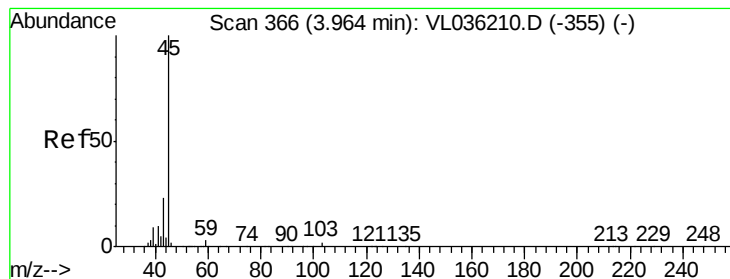
#18

1,1-Dichloroethene
Concen: 8.383 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 96 Resp: 523994

Ion	Ratio	Lower	Upper
96	100		
61	216.7	173.4	260.0
98	68.6	54.9	82.3





#19

Isopropyl Alcohol

Concen: 8.807 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

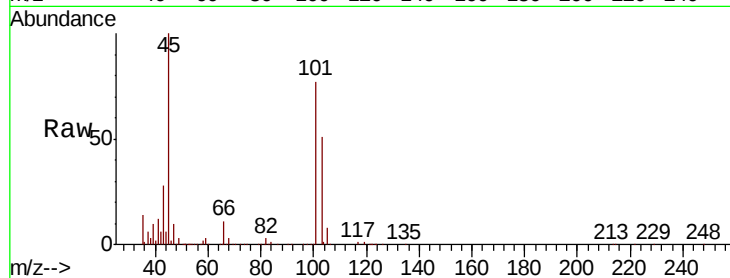
VSTDICCC010

Tot Ion: 45 Resp: 996991

Ion Ratio Lower Upper

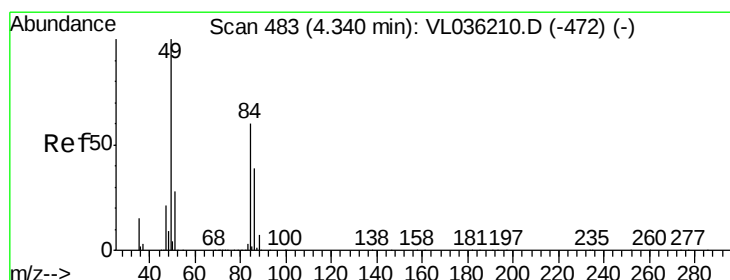
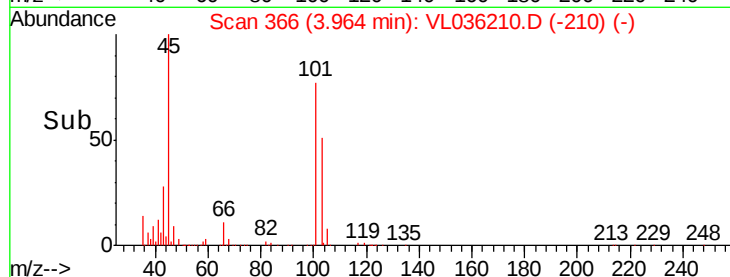
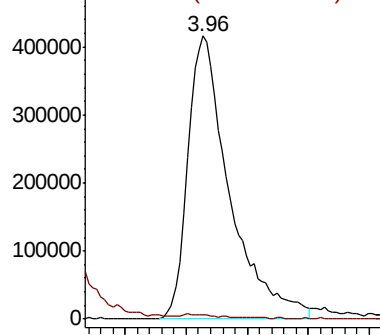
45 100

58 2.0 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 5.917 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion: 84 Resp: 439272

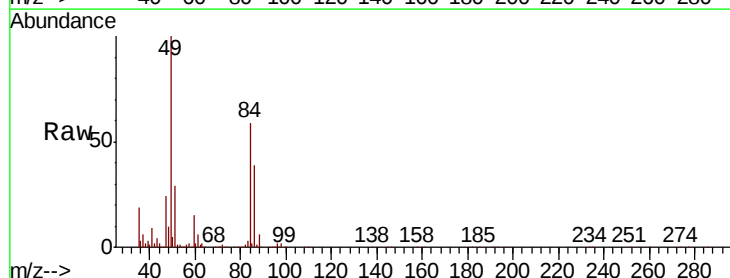
Ion Ratio Lower Upper

84 100

49 167.6 134.1 201.1

51 46.7 37.4 56.0

86 65.7 52.6 78.8

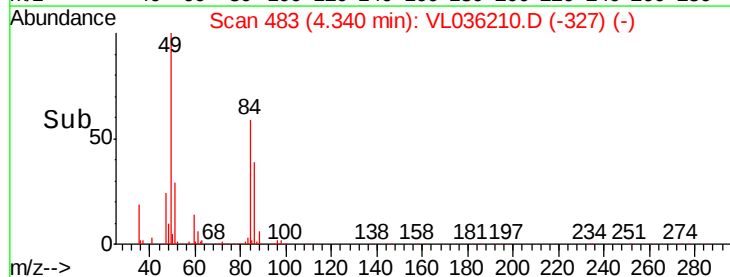
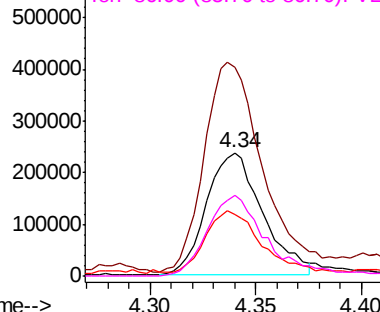


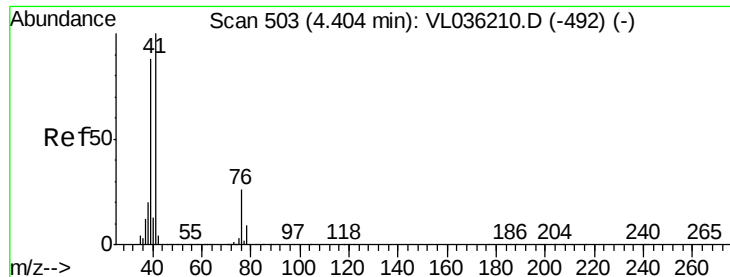
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 8.327 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

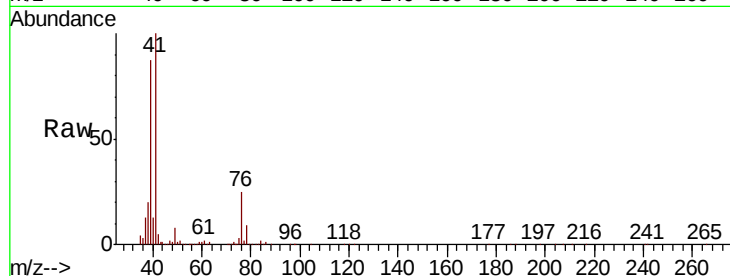
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 1000187

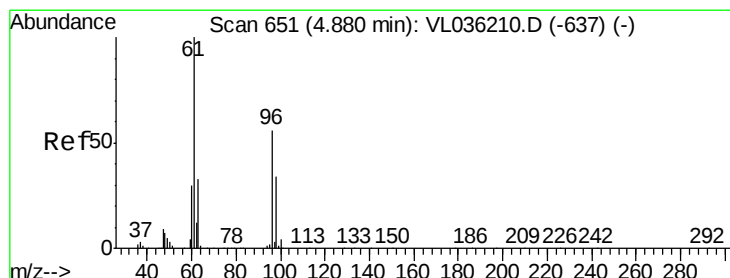
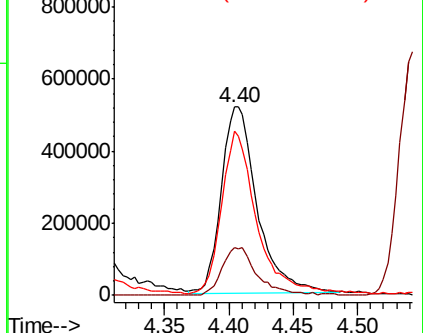
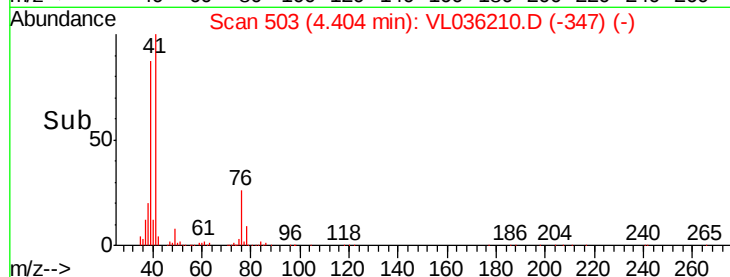
Ion	Ratio	Lower	Upper
41	100		
76	25.7	20.5	30.7
39	84.7	67.8	101.8



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: 8.142 ppbv

RT: 4.88 min Scan# 651

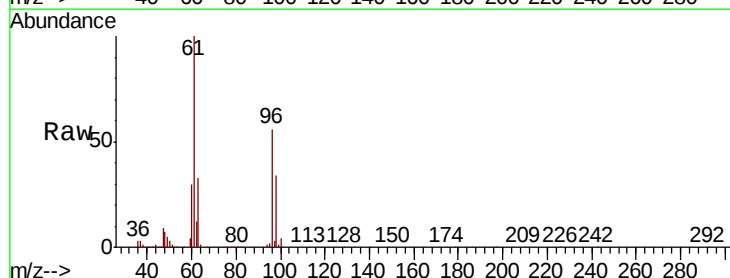
Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion: 96 Resp: 506407

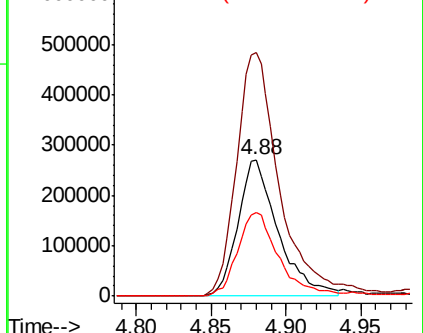
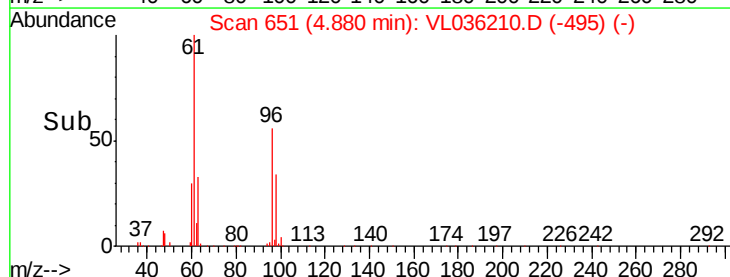
Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.7	214.1
98	60.9	48.7	73.1

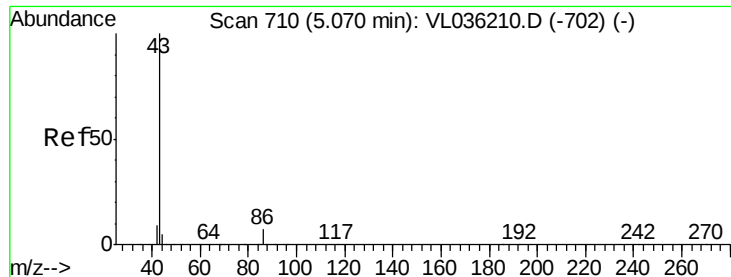


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.088 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

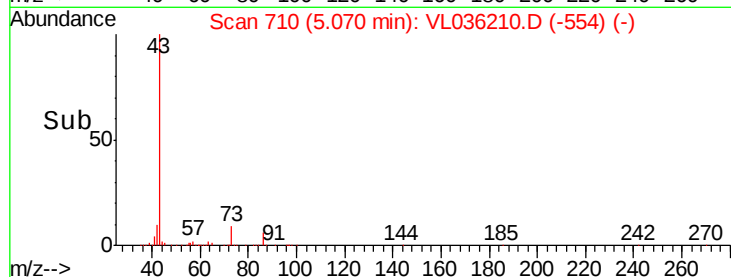
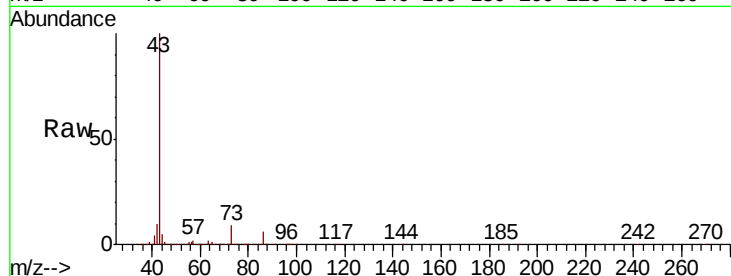
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2238961

Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.9	7.3
42	9.7	7.8	11.6
44	4.6	3.7	5.5

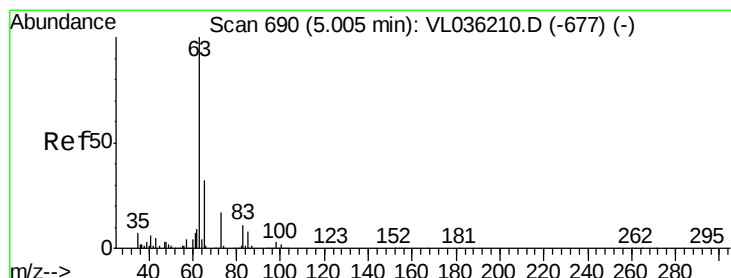
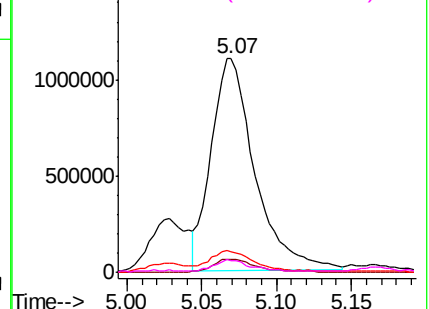


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.713 ppbv

RT: 5.01 min Scan# 690

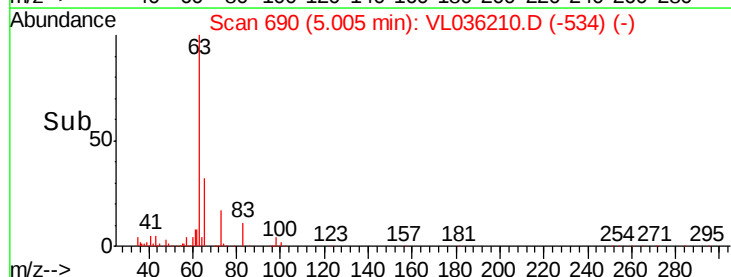
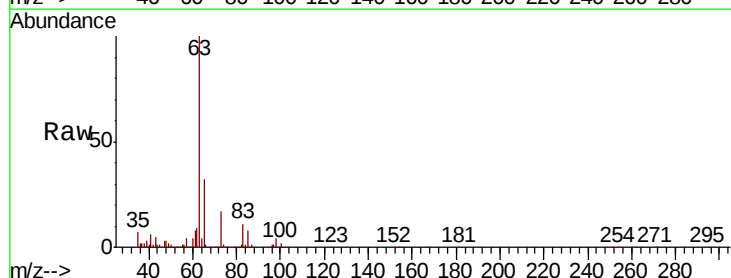
Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion: 63 Resp: 1509936

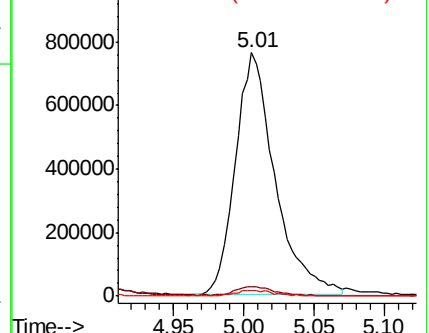
Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.7	5.1
100	2.1	1.1	3.1

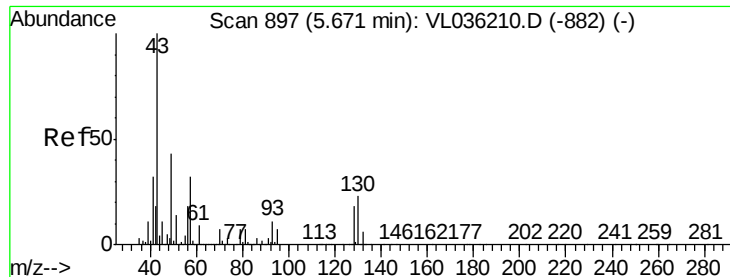


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



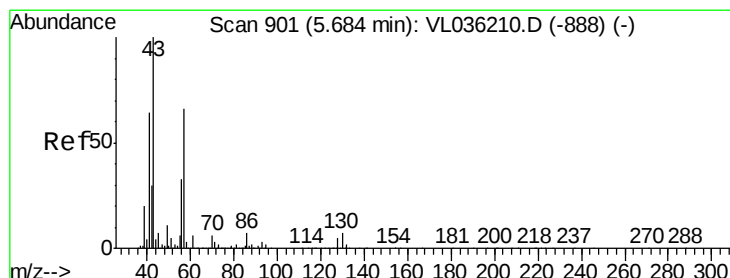
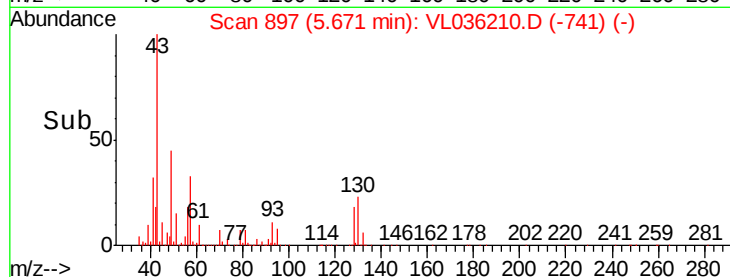
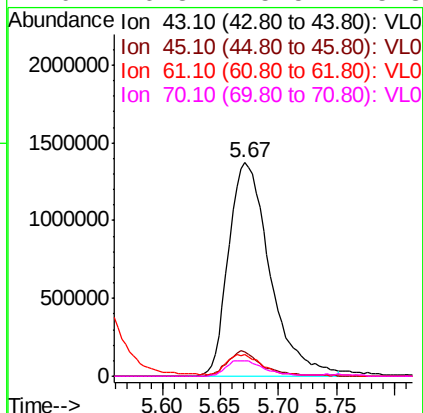
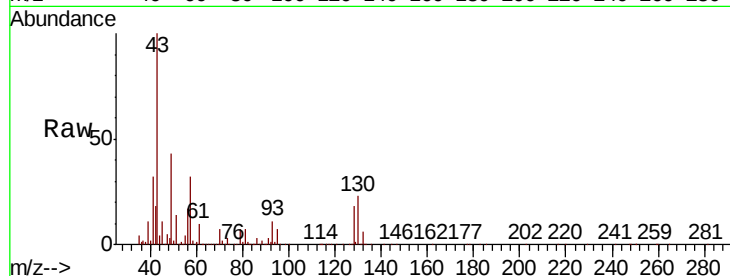


#25
Ethyl Acetate
Concen: 9.150 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 3393065

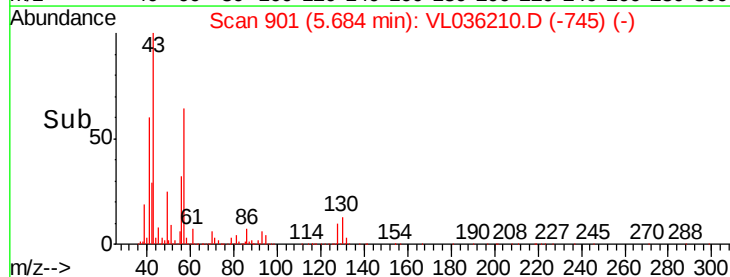
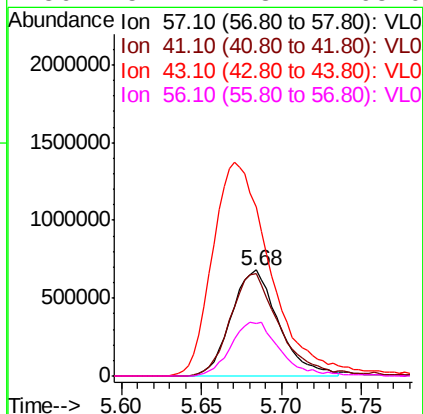
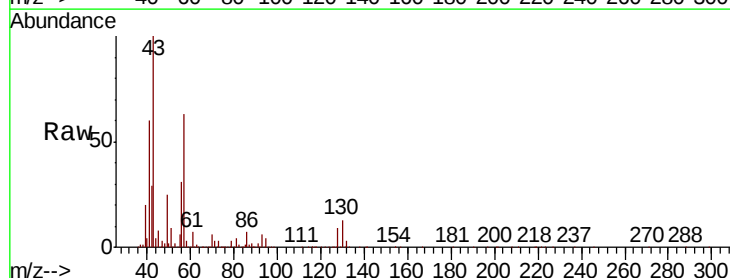
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.3	7.4	11.2
70	6.8	5.5	8.3

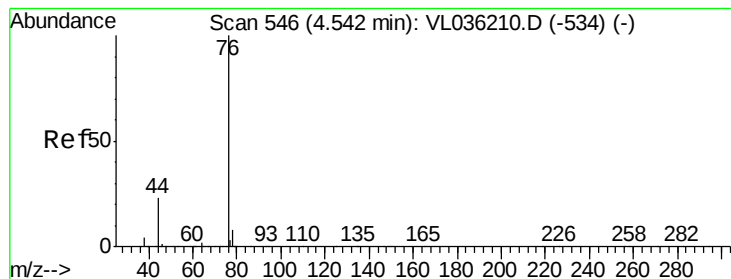


#26
Hexane
Concen: 8.178 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 57 Resp: 1364056

Ion	Ratio	Lower	Upper
57	100		
41	103.8	83.0	124.6
43	253.0	202.4	303.6
56	54.2	43.4	65.0





#27

Carbon Disulfide

Concen: 8.283 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

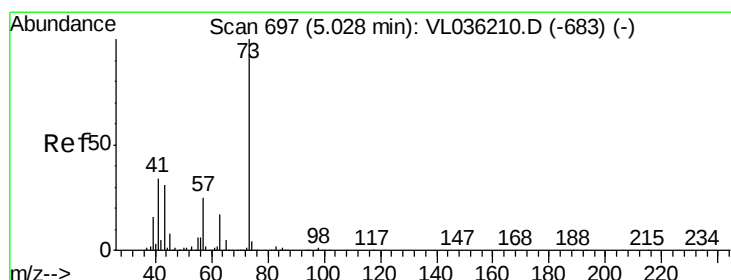
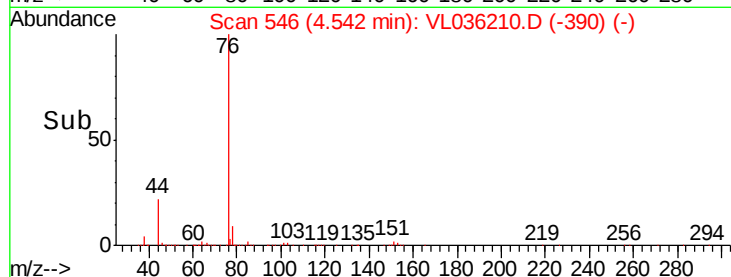
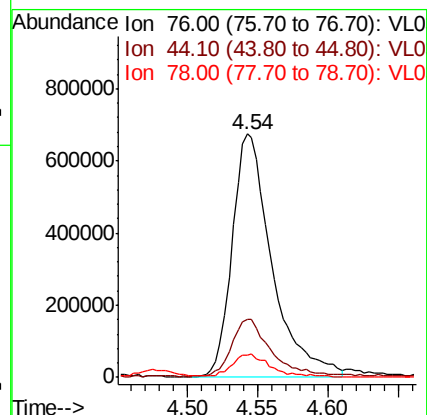
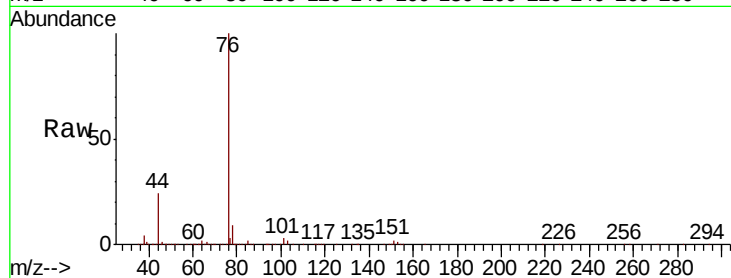
Tot Ion: 76 Resp: 1327899

Ion	Ratio	Lower	Upper
76	100		
44	24.3	19.0	28.6
78	9.9	8.0	12.0

76 100

44 24.3 19.0 28.6

78 9.9 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 8.106 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL036210.D

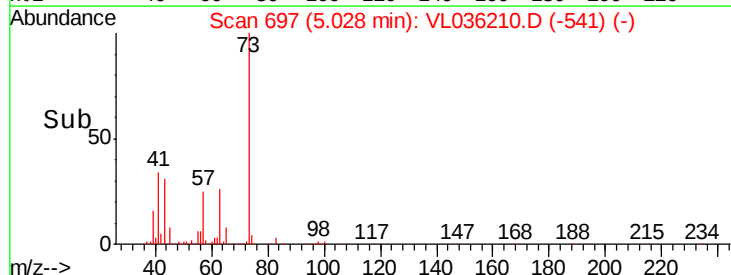
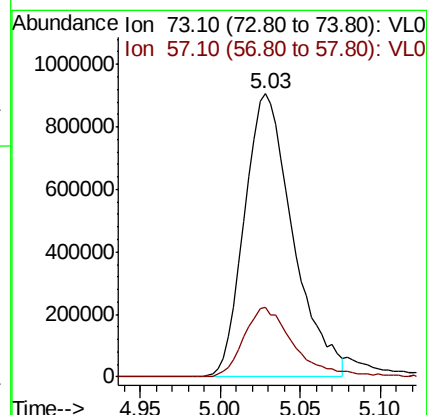
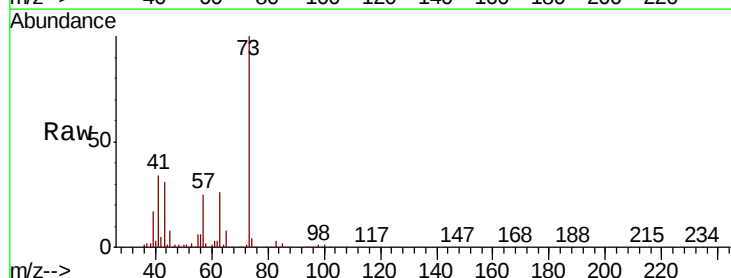
Acq: 13 Jan 2021 2:34

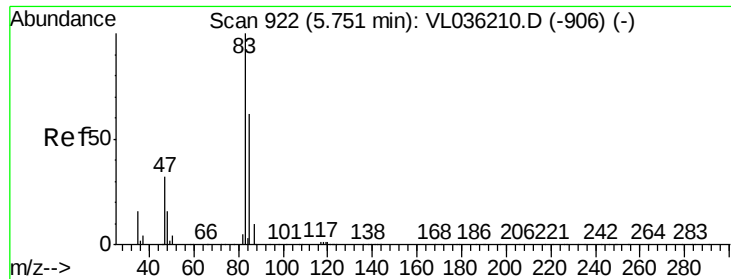
Tgt Ion: 73 Resp: 1879063

Ion	Ratio	Lower	Upper
73	100		
57	25.5	20.4	30.6

73 100

57 25.5 20.4 30.6





#29

Chloroform

Concen: 9.467 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

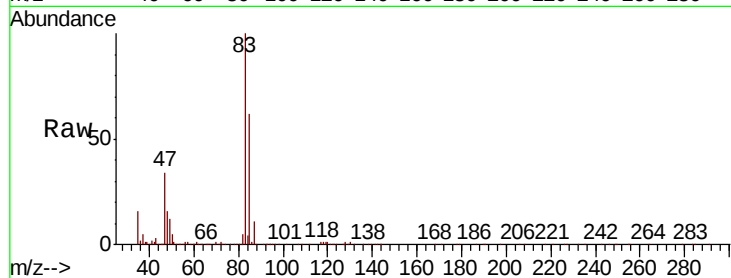
VSTDICCC010

Tot Ion: 83 Resp: 2091709

Ion Ratio Lower Upper

83 100

85 61.6 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.75

1000000

800000

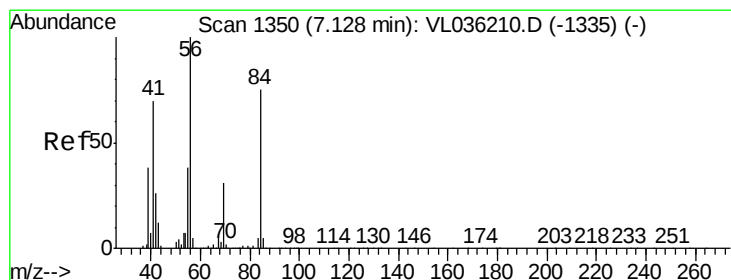
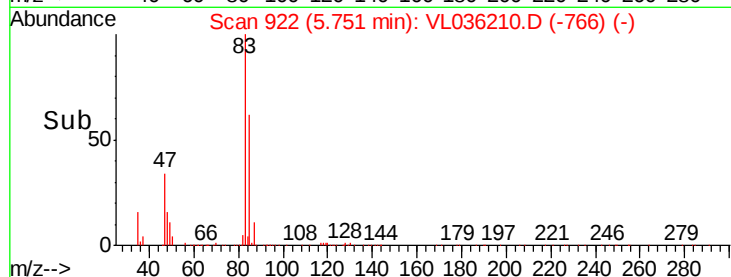
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 9.397 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

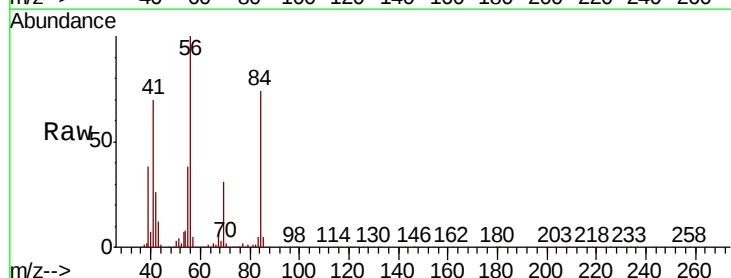
Tgt Ion: 84 Resp: 1169849

Ion Ratio Lower Upper

84 100

56 149.2 119.4 179.0

41 99.9 79.4 119.0



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

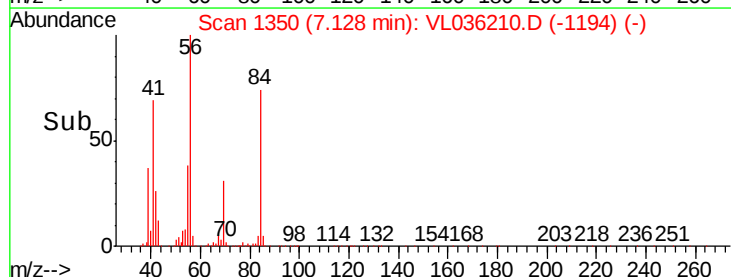
600000

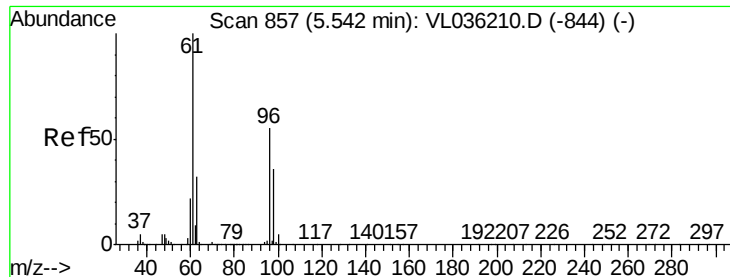
400000

200000

0

Time-->



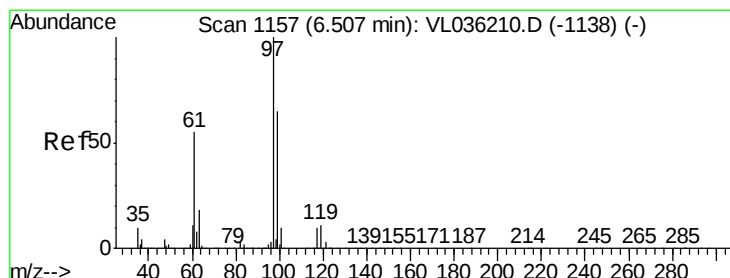
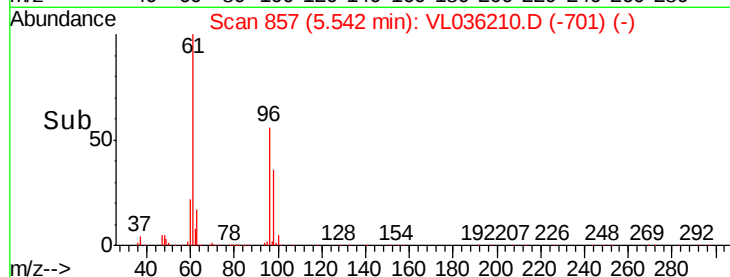
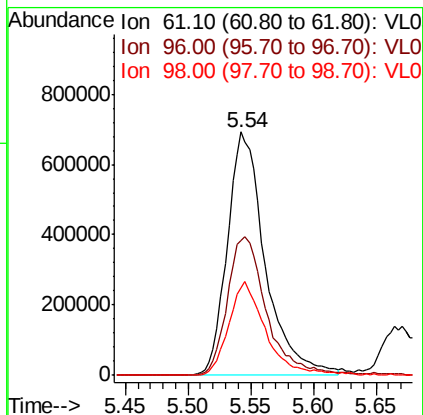
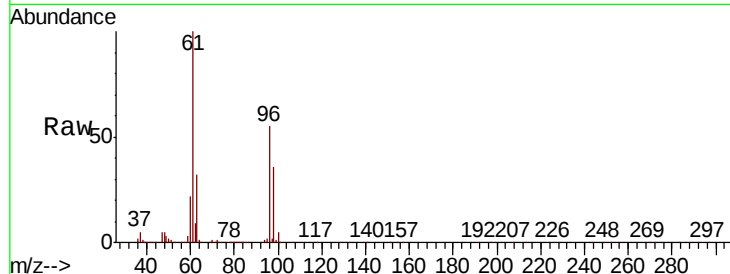


#31

cis-1,2-Dichloroethene
 Concen: 9.501 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

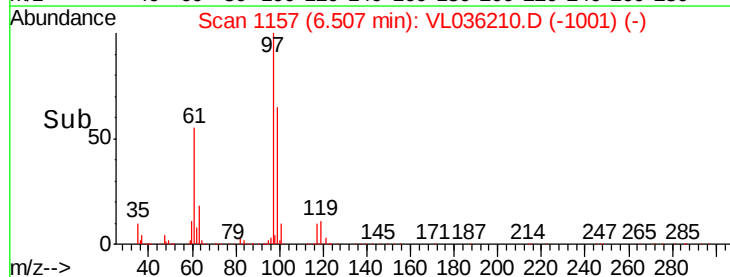
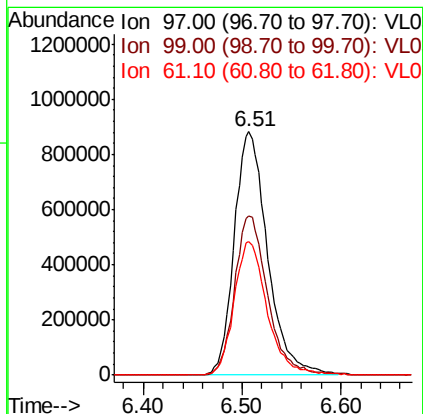
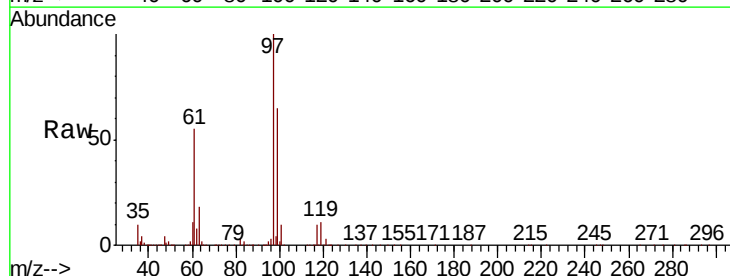
Tot Ion: 61 Resp: 1450804
 Ion Ratio Lower Upper
 61 100
 96 55.1 44.1 66.1
 98 35.7 28.6 42.8

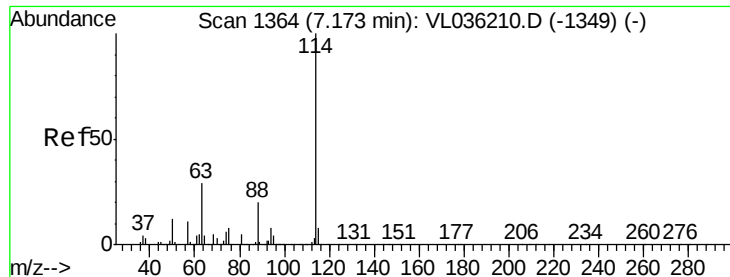


#32

1,1,1-Trichloroethane
 Concen: 9.082 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 97 Resp: 2070196
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 54.9 43.6 65.4

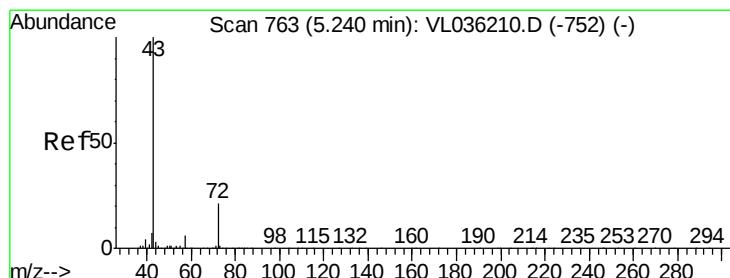
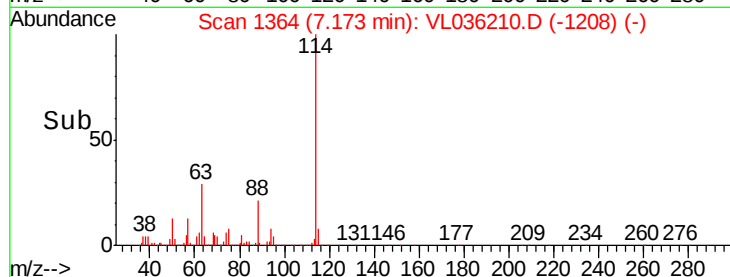
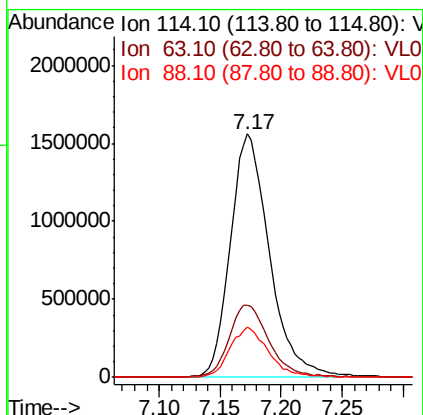
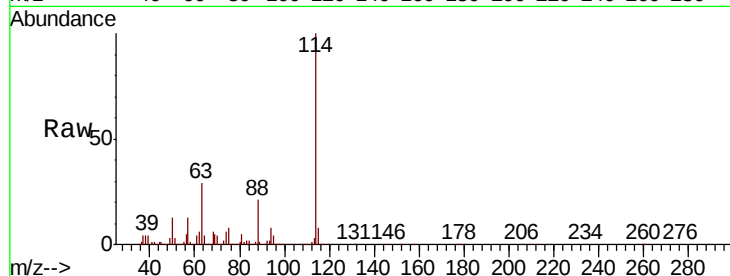




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

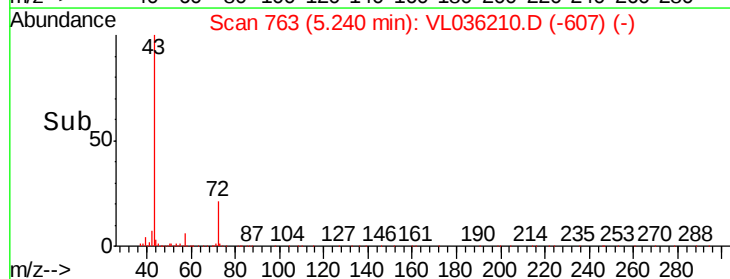
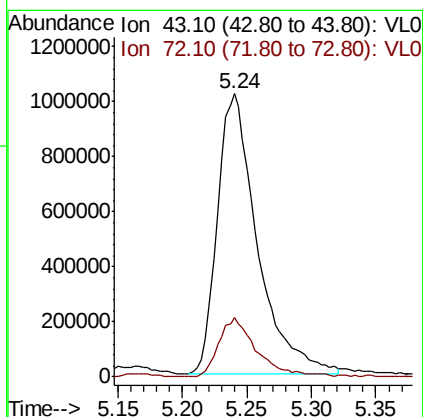
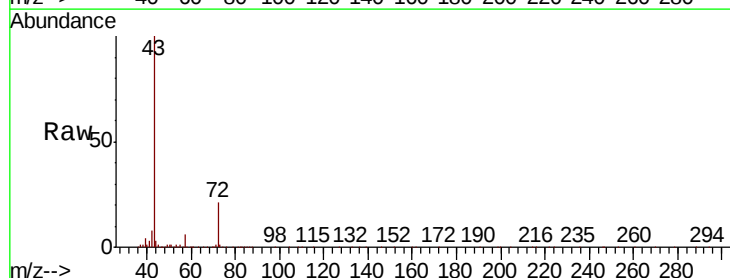
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

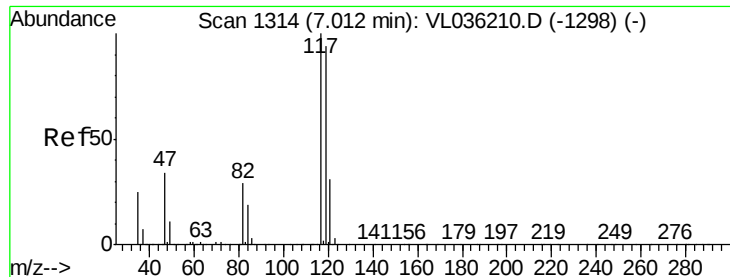
Tot Ion:114 Resp: 3468147
 Ion Ratio Lower Upper
 114 100
 63 30.9 24.7 37.1
 88 20.7 16.6 24.8



#34
 2-Butanone
 Concen: 9.439 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 43 Resp: 2197974
 Ion Ratio Lower Upper
 43 100
 72 20.4 16.1 24.1





#35

Carbon Tetrachloride

Concen: 10.129 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

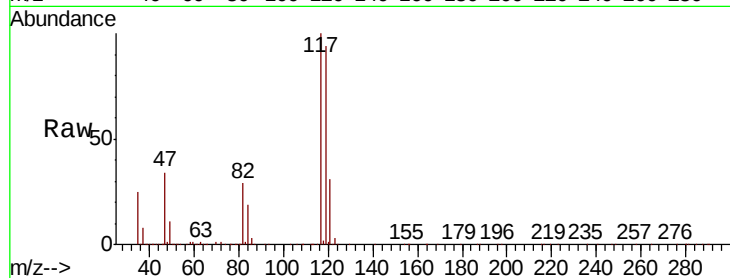
Tot Ion:117 Resp: 2049470

Ion Ratio Lower Upper

117 100

119 93.6 74.9 112.3

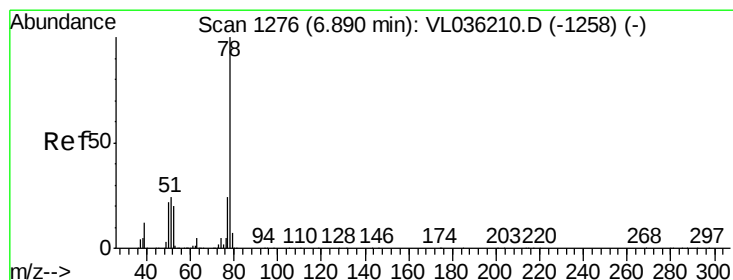
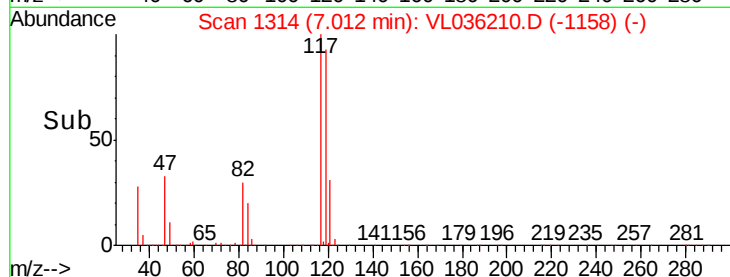
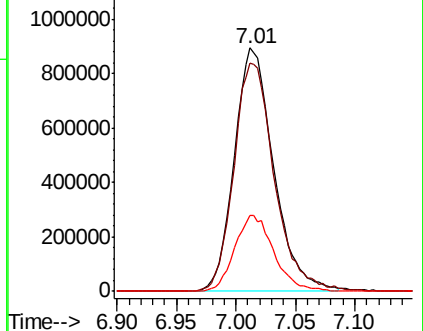
121 31.3 25.0 37.6



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: 9.659 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

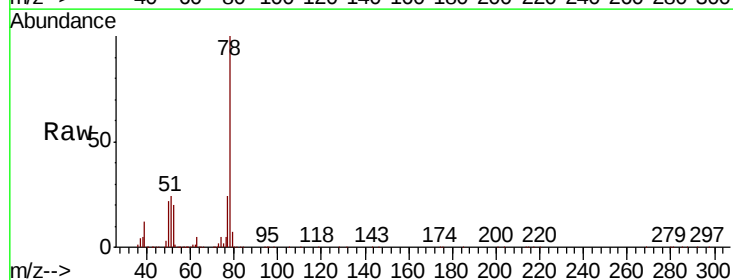
Tgt Ion: 78 Resp: 2851889

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0

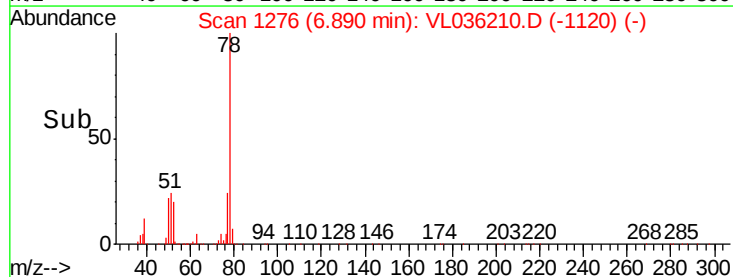
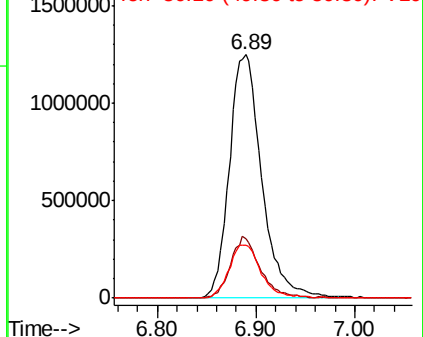
50 21.8 17.4 26.2

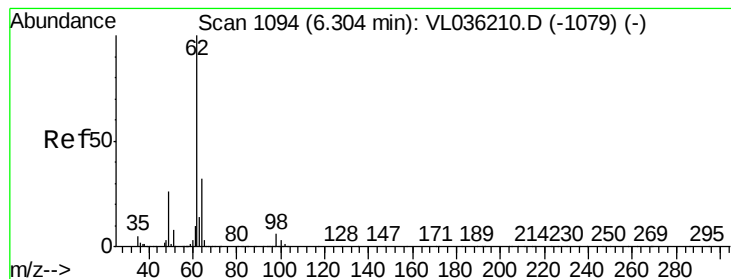


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.126 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

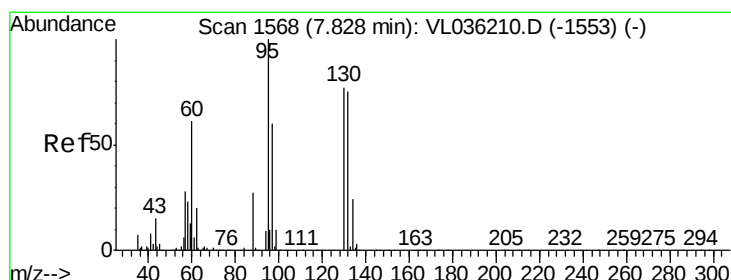
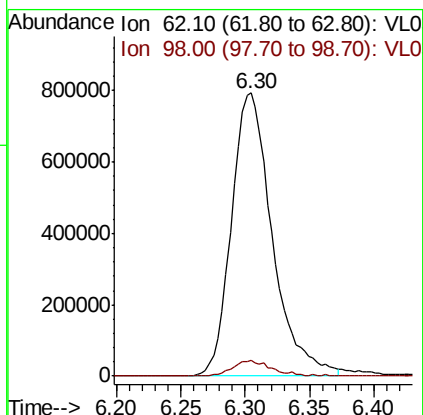
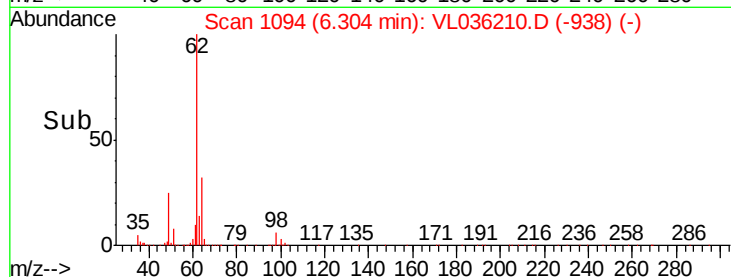
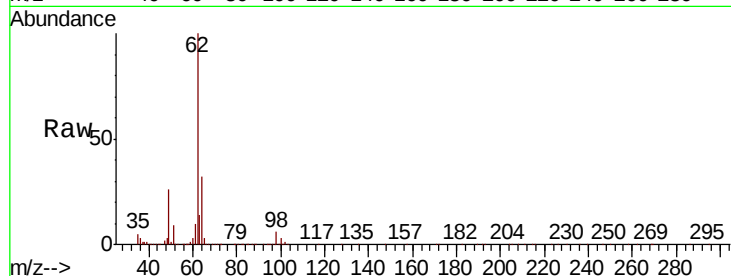
VSTDICCC010

Tot Ion: 62 Resp: 1742596

Ion Ratio Lower Upper

62 100

98 5.5 4.4 6.6



#38

Trichloroethene

Concen: 8.380 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion: 130 Resp: 913680

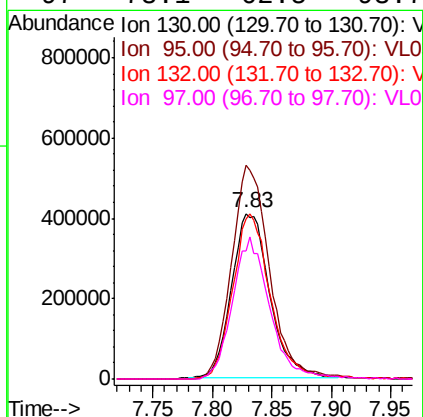
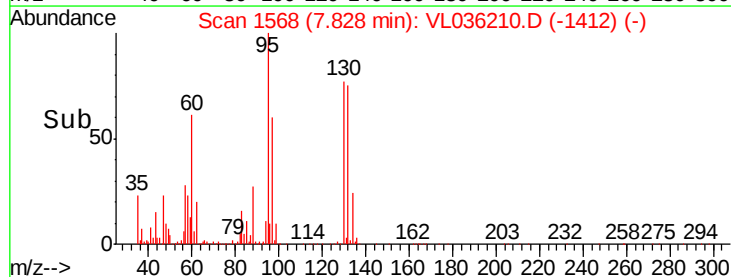
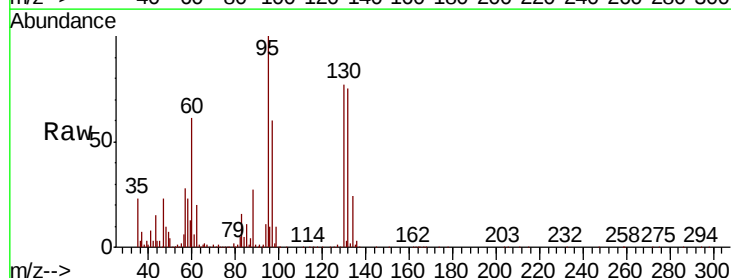
Ion Ratio Lower Upper

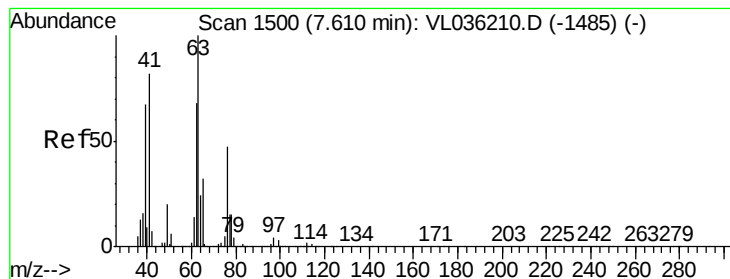
130 100

95 129.9 103.9 155.9

132 96.8 77.4 116.2

97 78.1 62.5 93.7





#39

1,2-Dichloropropane

Concen: 10.088 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

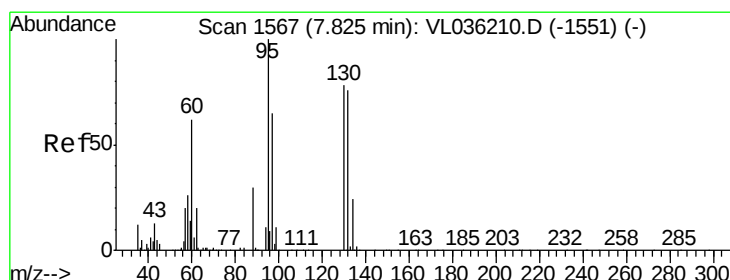
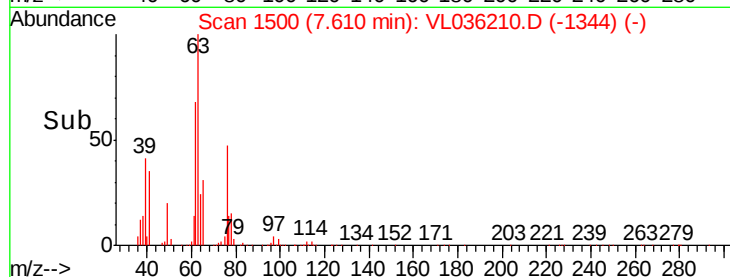
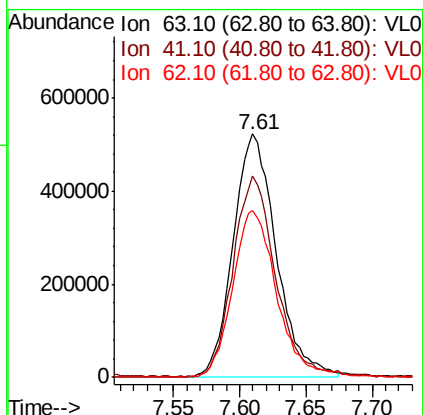
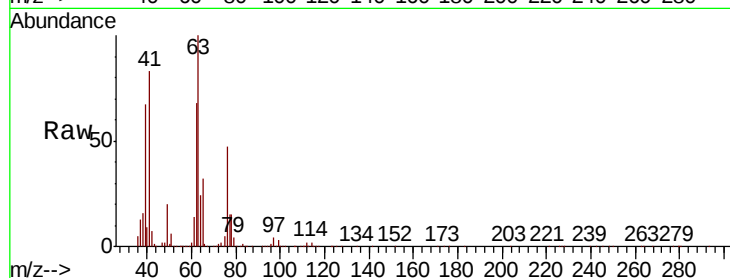
Tot Ion: 63 Resp: 1179381

Ion Ratio Lower Upper

63 100

41 82.6 66.1 99.1

62 68.5 54.8 82.2



#40

1,4-Dioxane

Concen: 9.690 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion: 88 Resp: 357038

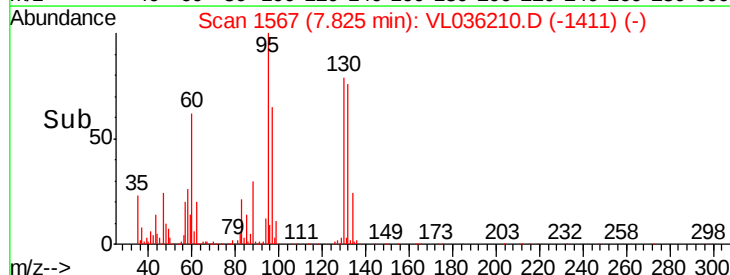
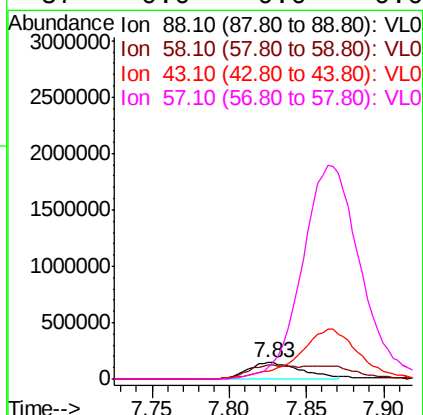
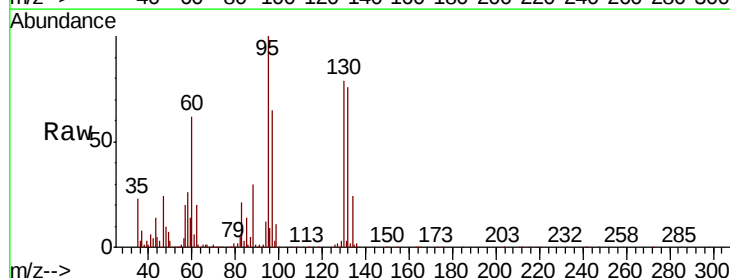
Ion Ratio Lower Upper

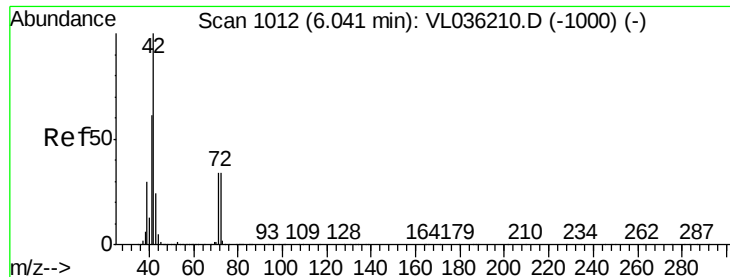
88 100

58 154.0 123.0 184.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.285 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

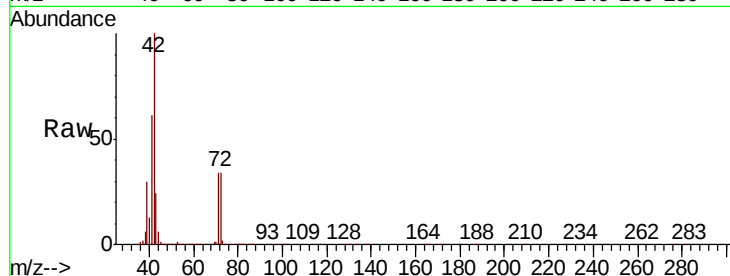
MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 42 Resp: 1268071

Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.5	44.3
71	36.2	29.1	43.7

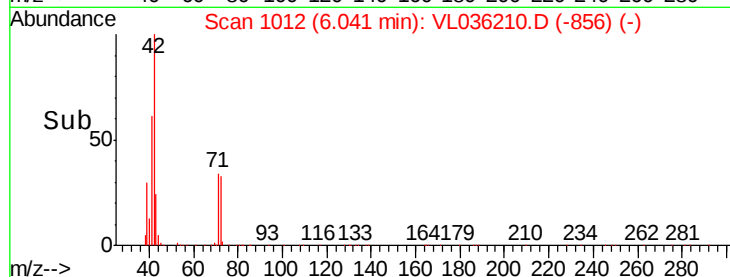


Abundance

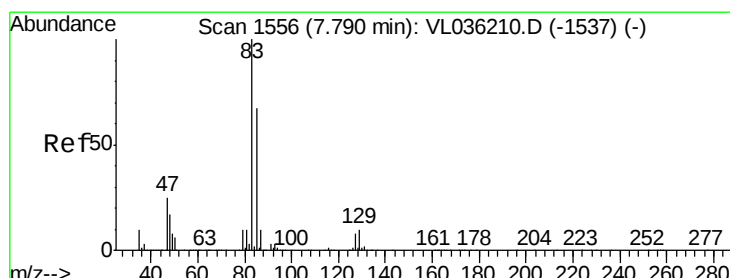
Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 10.053 ppbv

RT: 7.79 min Scan# 1556

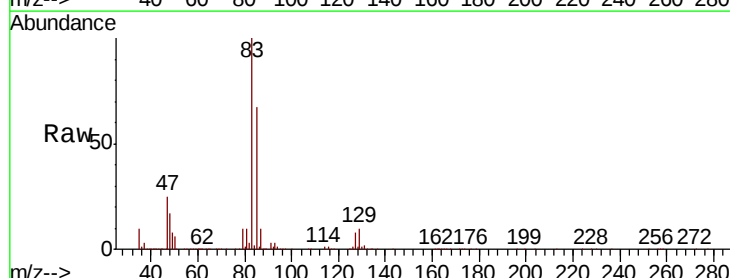
Delta R.T. 0.00 min

Lab File: VL036210.D

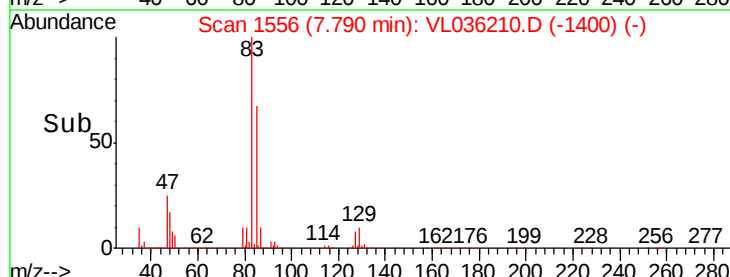
Acq: 13 Jan 2021 2:34

Tgt Ion: 83 Resp: 2284495

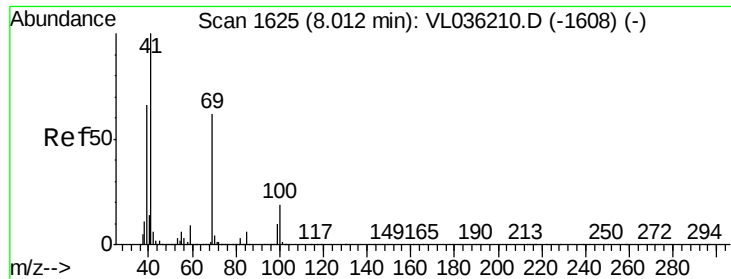
Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2
127	7.7	6.2	9.2



Abundance



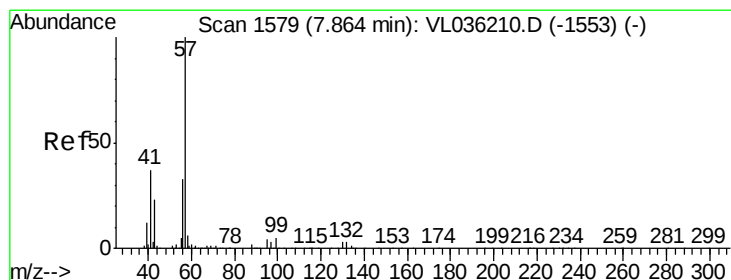
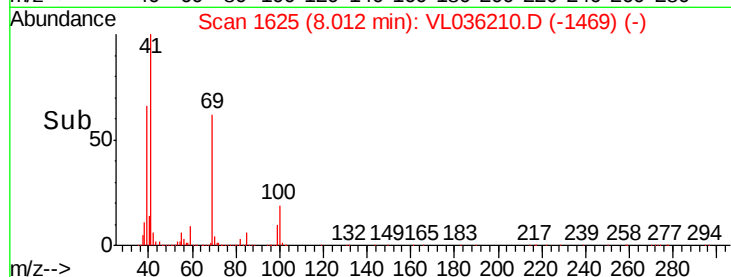
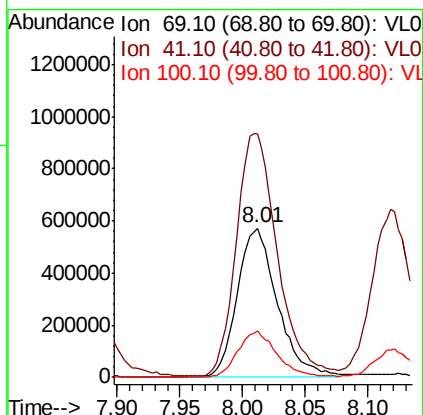
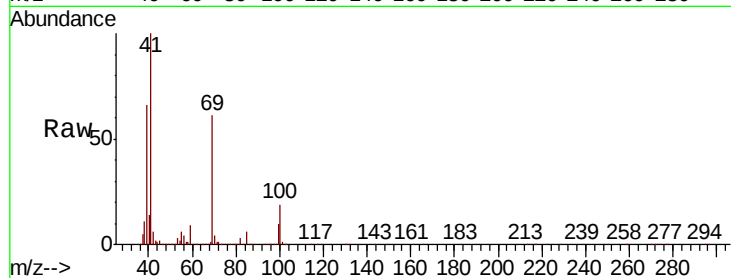
Time-->



#43
Methvl Methacrilate
Concen: 10.094 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

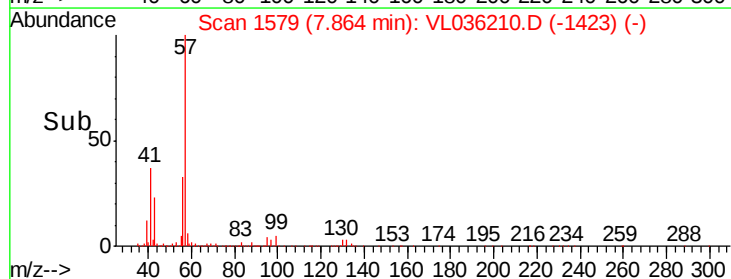
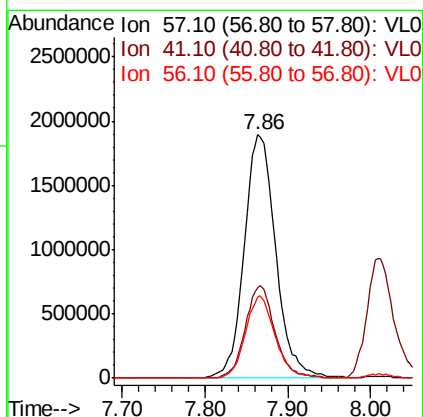
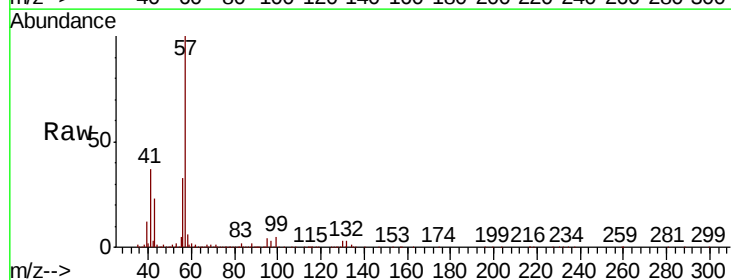
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

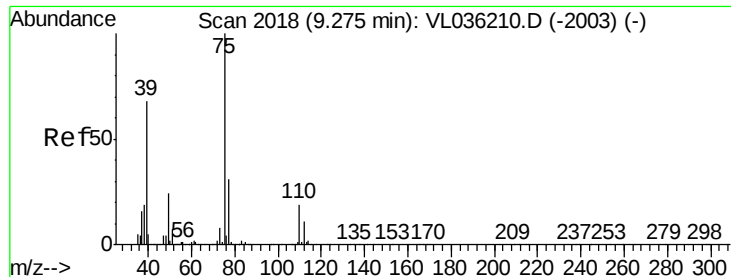
Tot Ion: 69 Resp: 1278845
Ion Ratio Lower Upper
69 100
41 167.6 133.4 200.2
100 30.5 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.359 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 57 Resp: 4985160
Ion Ratio Lower Upper
57 100
41 35.6 28.5 42.7
56 31.9 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 10.660 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

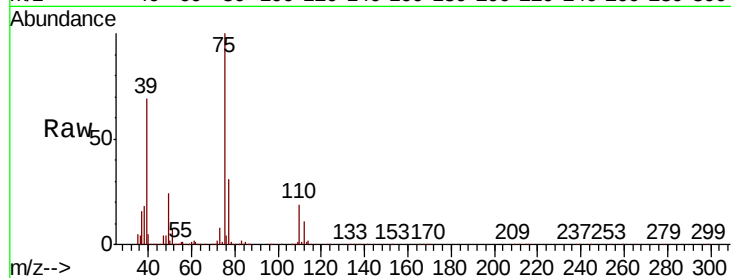
VSTDICCC010

Tot Ion: 75 Resp: 1381385

Ion Ratio Lower Upper

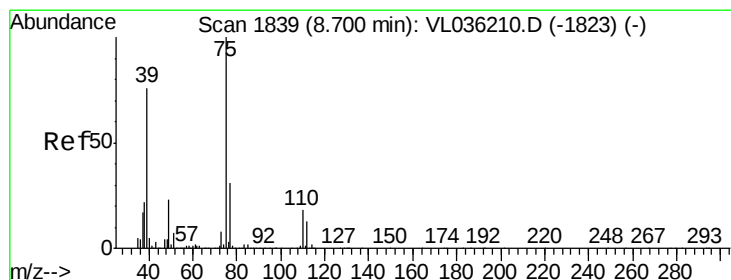
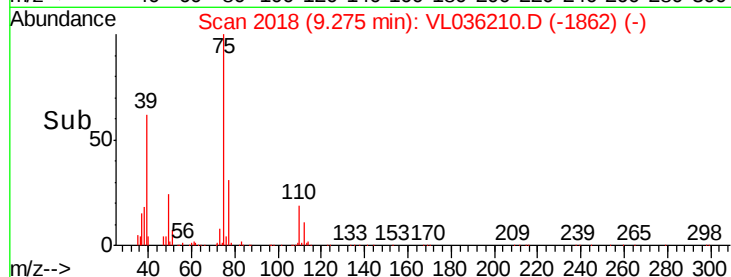
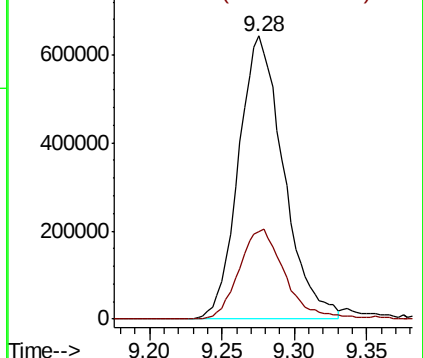
75 100

77 30.9 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.317 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

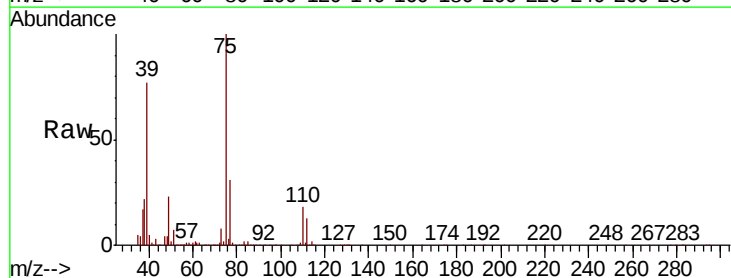
Tgt Ion: 75 Resp: 1687060

Ion Ratio Lower Upper

75 100

39 76.5 61.2 91.8

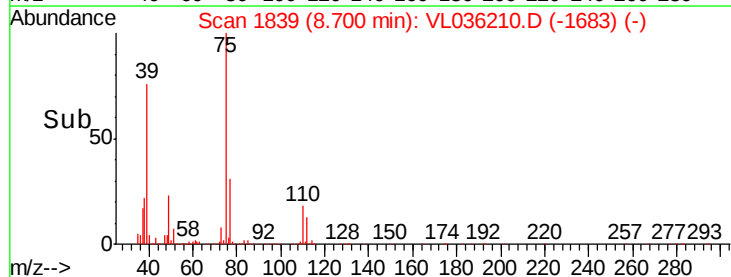
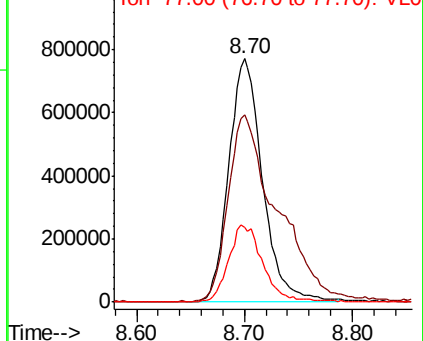
77 30.8 24.6 37.0

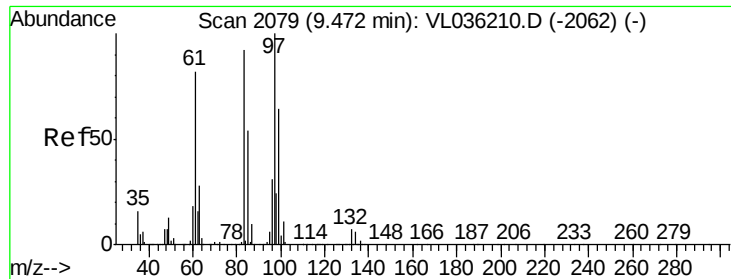


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



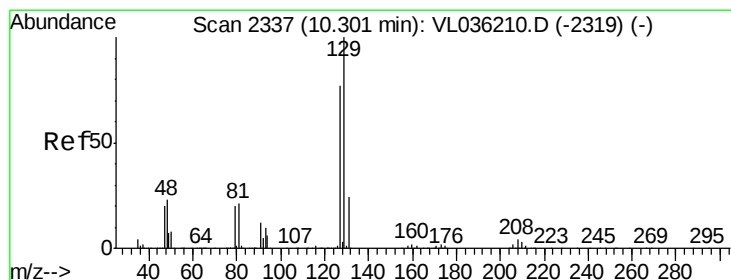
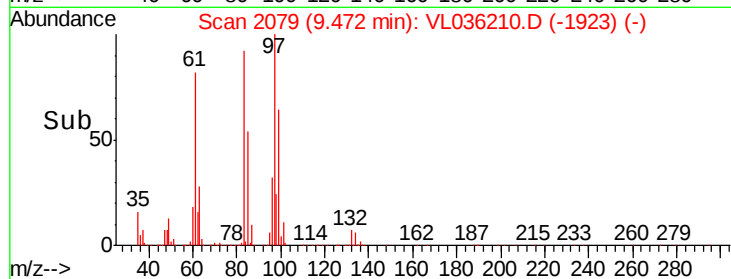
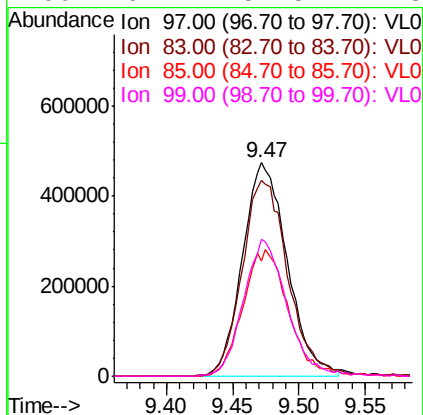
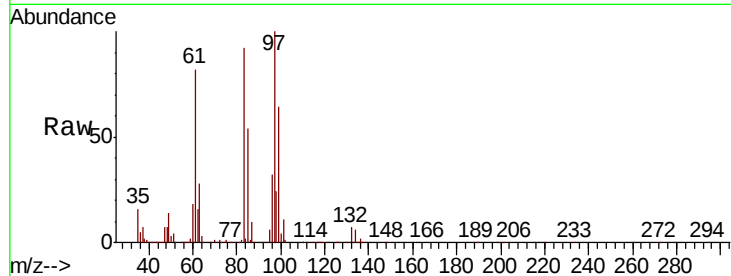


#47
 1,1,2-Trichloroethane
 Concen: 9.863 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 97 Resp: 1112096

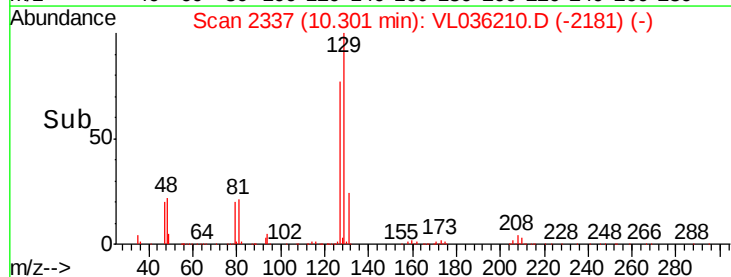
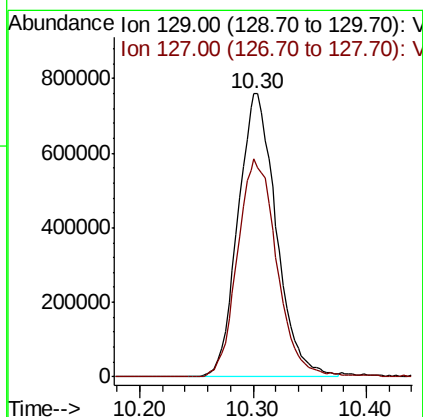
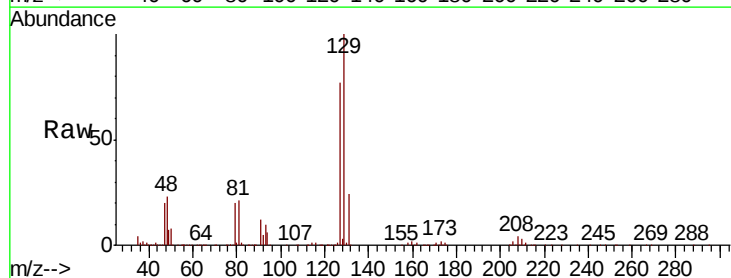
Ion	Ratio	Lower	Upper
97	100		
83	91.6	73.3	109.9
85	54.0	43.2	64.8
99	64.4	51.5	77.3

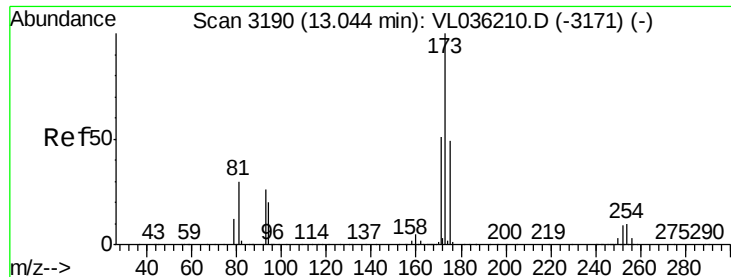


#48
 Dibromochloromethane
 Concen: 10.597 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 129 Resp: 1788860

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.6	118.8





#49

Bromoform

Concen: 11.195 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

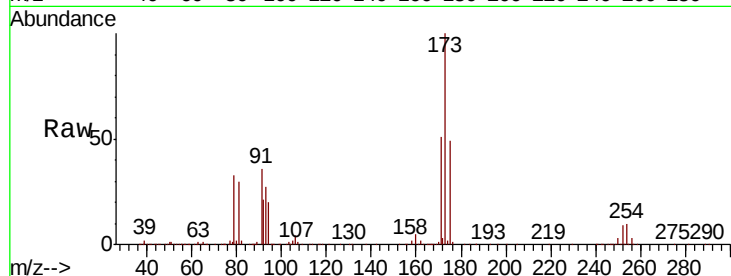
Tot Ion:173 Resp: 1493978

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

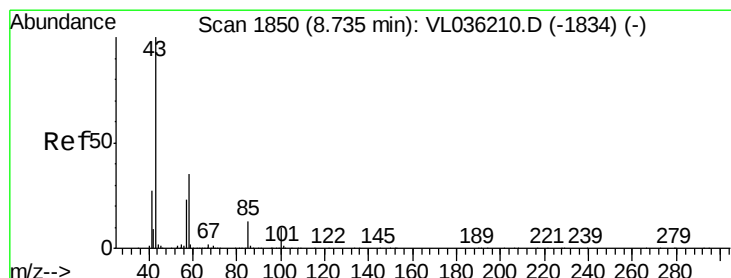
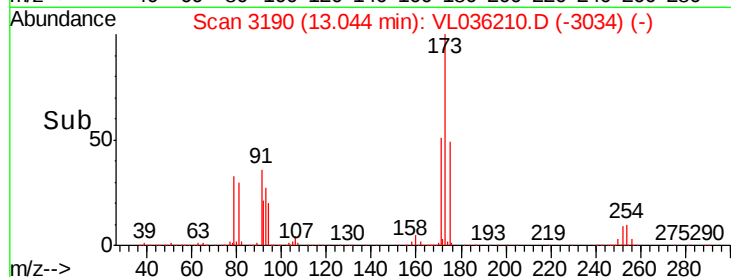
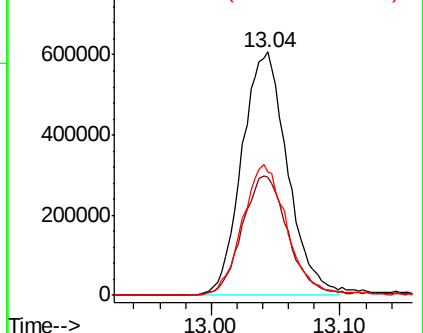
171 53.4 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.012 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.00 min

Lab File: VL036210.D

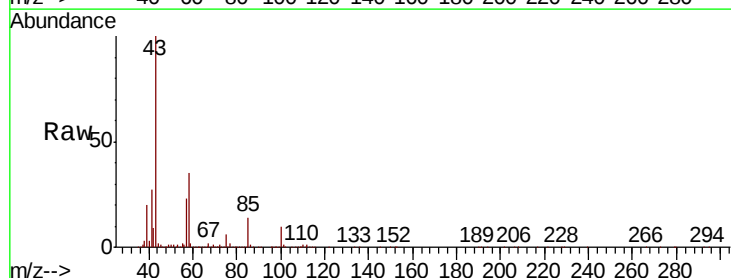
Acq: 13 Jan 2021 2:34

Tgt Ion: 43 Resp: 3467762

Ion Ratio Lower Upper

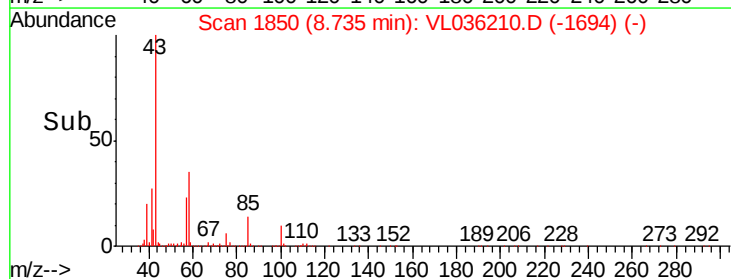
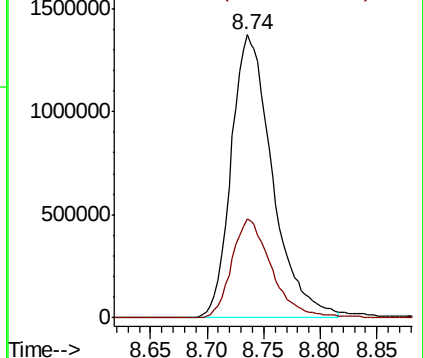
43 100

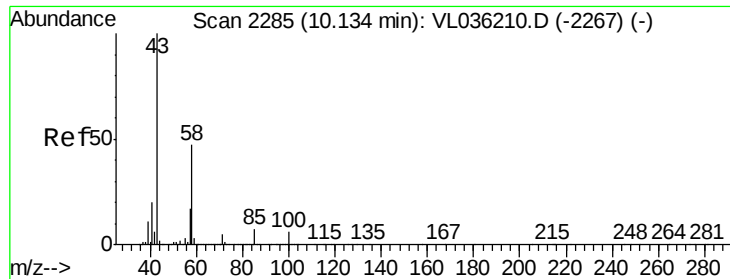
58 34.5 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

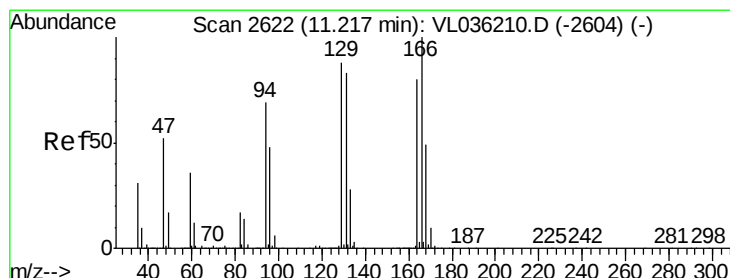
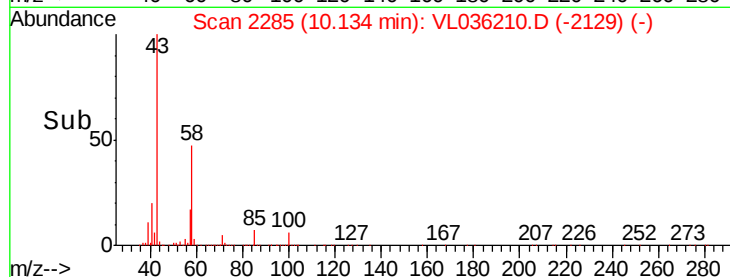
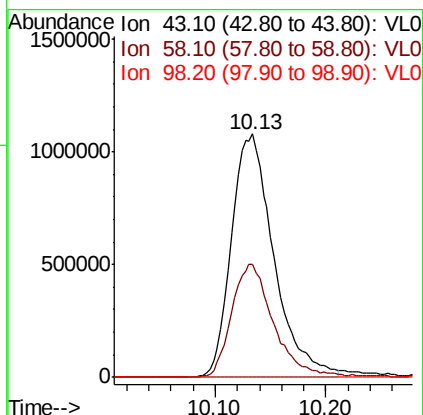
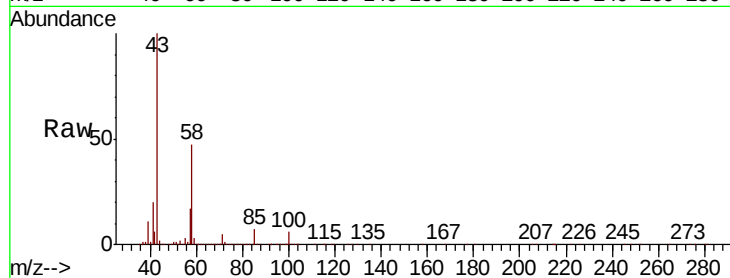




#51
2-Hexanone
Concen: 10.445 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

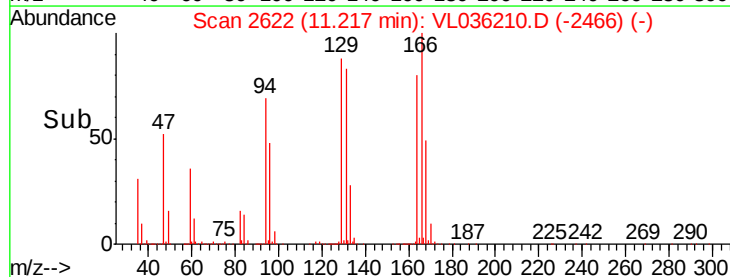
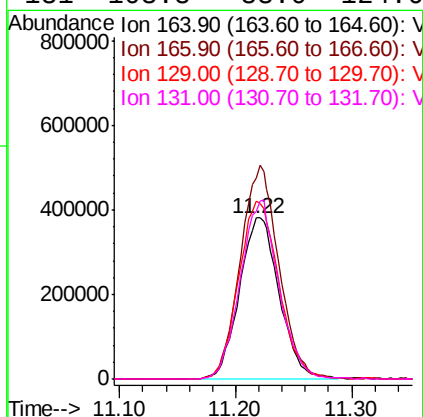
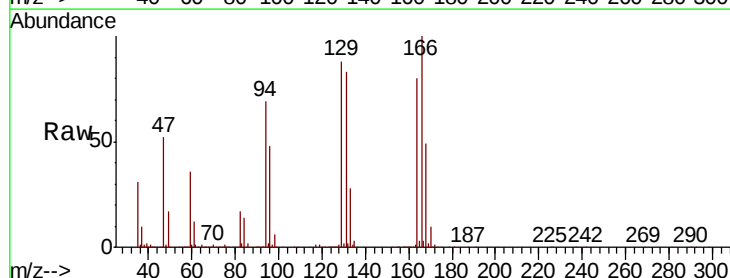
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

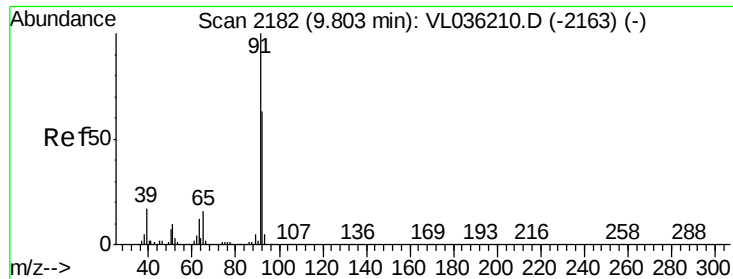
Tot Ion: 43 Resp: 2866773
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.525 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 164 Resp: 904682
Ion Ratio Lower Upper
164 100
166 124.9 99.9 149.9
129 110.3 88.2 132.4
131 103.8 83.0 124.6





#53

Toluene

Concen: 9.687 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

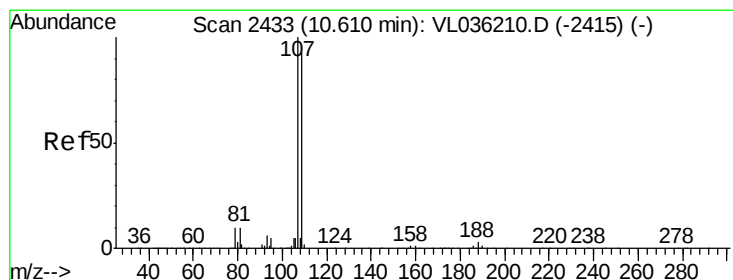
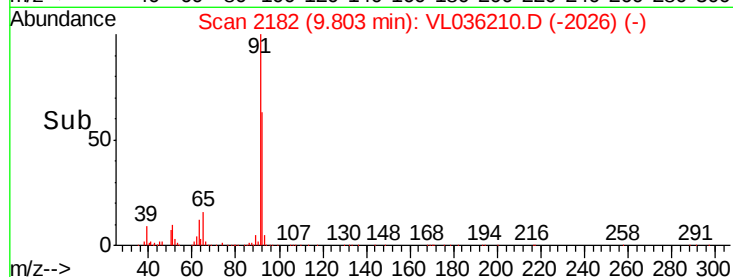
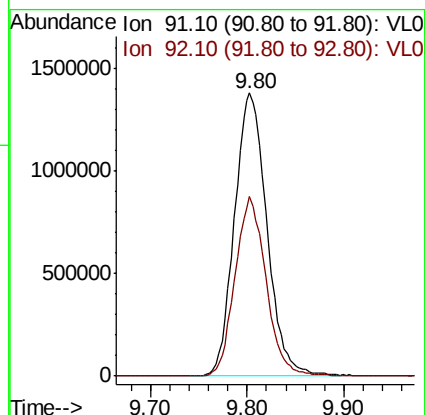
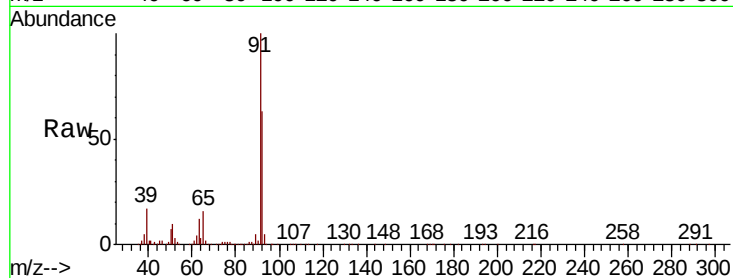
VSTDICCC010

Tot Ion: 91 Resp: 3208379

Ion Ratio Lower Upper

91 100

92 60.7 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.908 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL036210.D

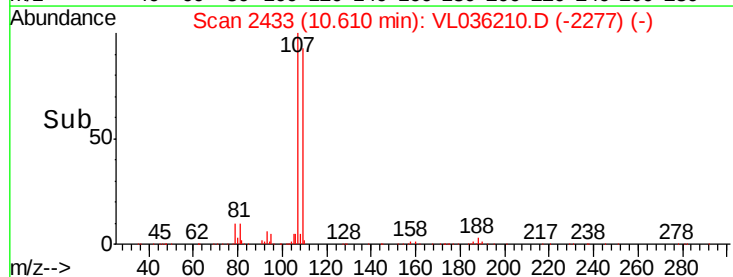
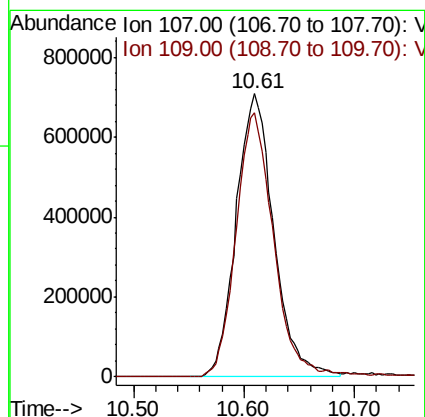
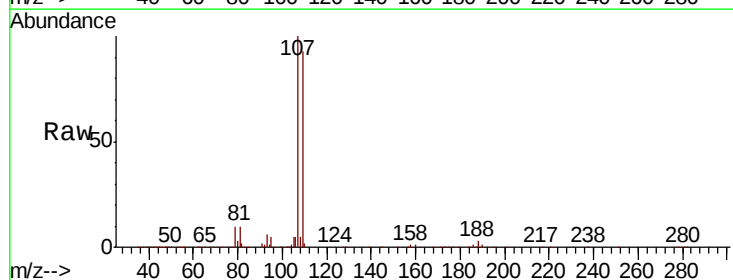
Acq: 13 Jan 2021 2:34

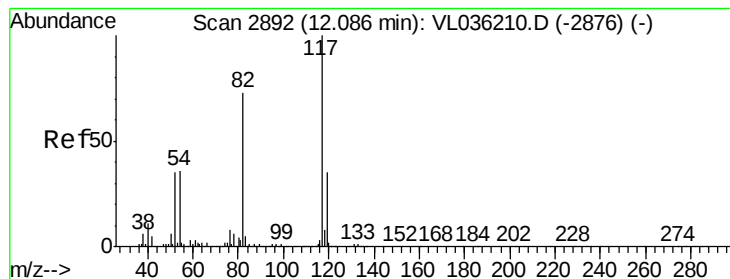
Tgt Ion: 107 Resp: 1674242

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

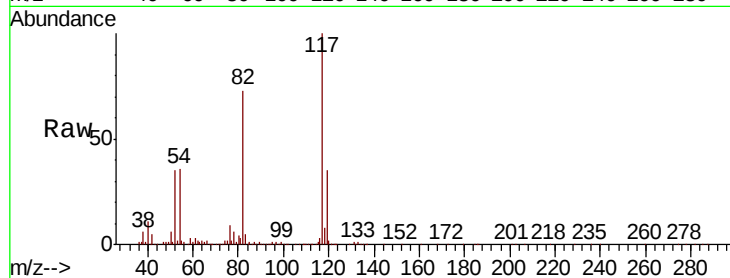
Tot Ion:117 Resp: 3996729

Ion Ratio Lower Upper

117 100

82 60.3 59.7 89.5

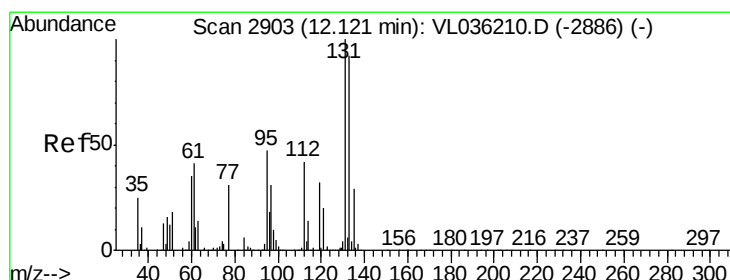
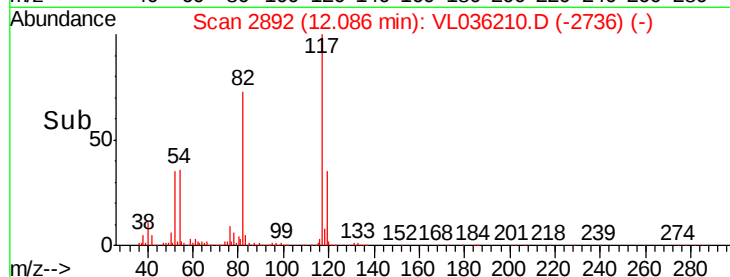
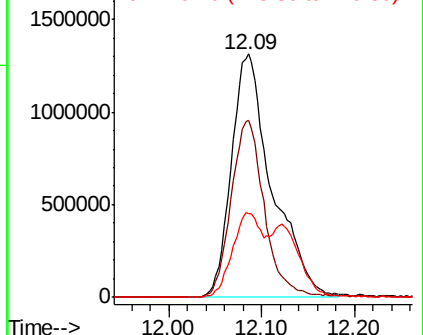
119 27.3 28.6 43.0#



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: 7.982 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

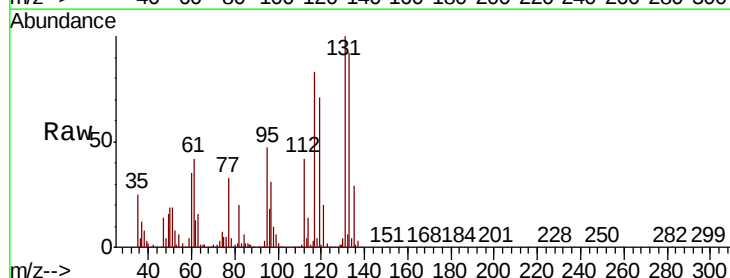
Tgt Ion:131 Resp: 1321664

Ion Ratio Lower Upper

131 100

133 95.6 76.5 114.7

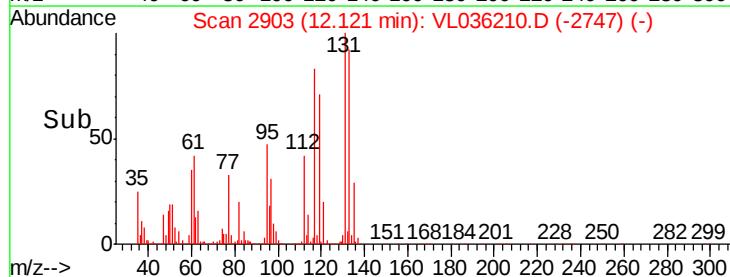
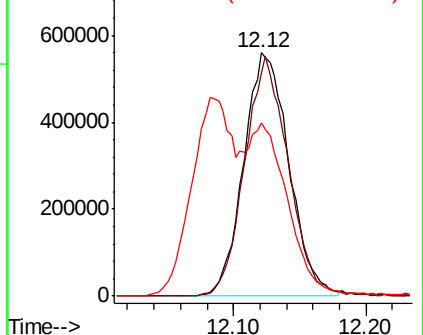
119 56.7 45.4 68.0

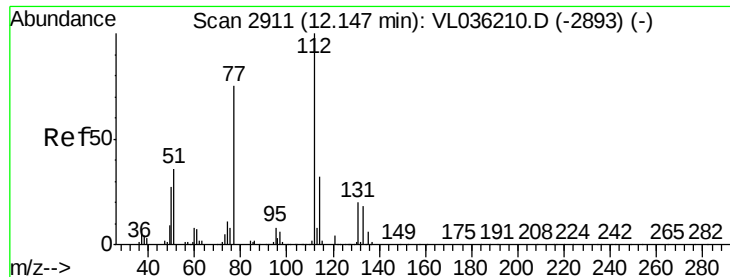


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.809 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

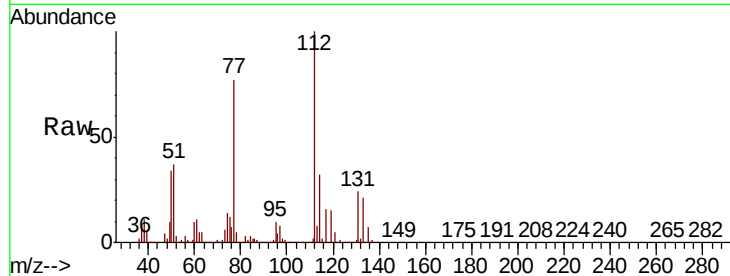
Tot Ion:112 Resp: 2200925

Ion Ratio Lower Upper

112 100

77 74.5 59.6 89.4

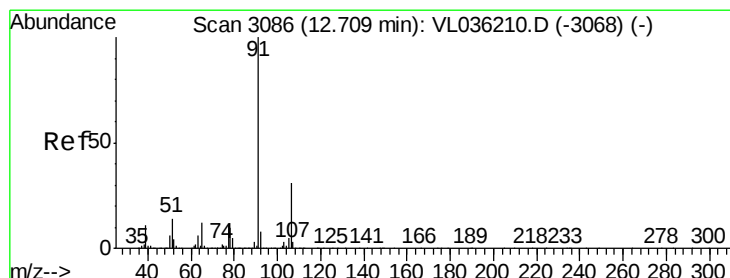
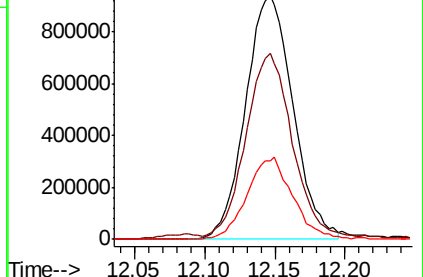
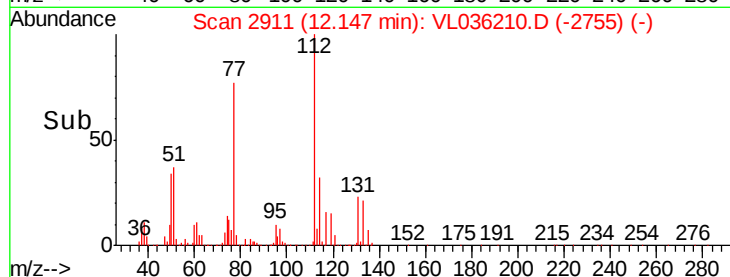
114 31.9 28.7 35.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.812 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VL036210.D

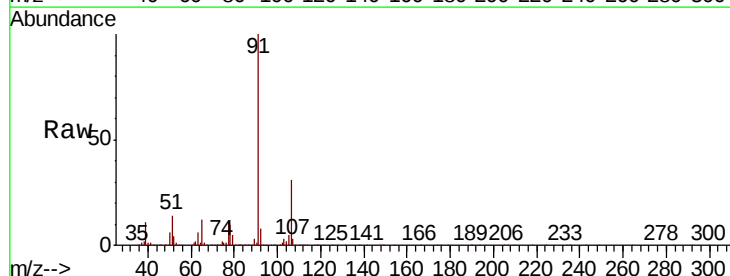
Acq: 13 Jan 2021 2:34

Tgt Ion: 91 Resp: 4307361

Ion Ratio Lower Upper

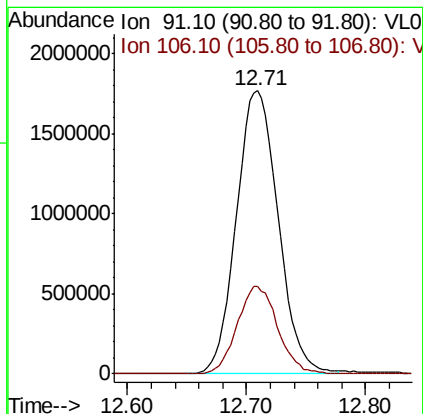
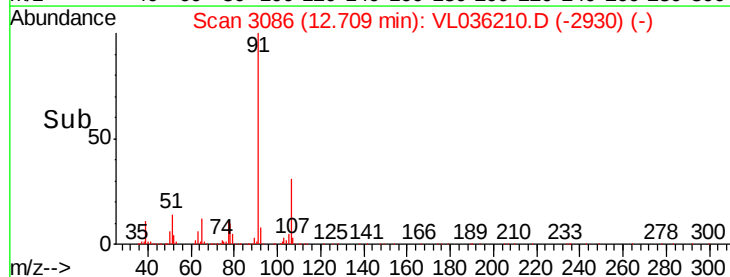
91 100

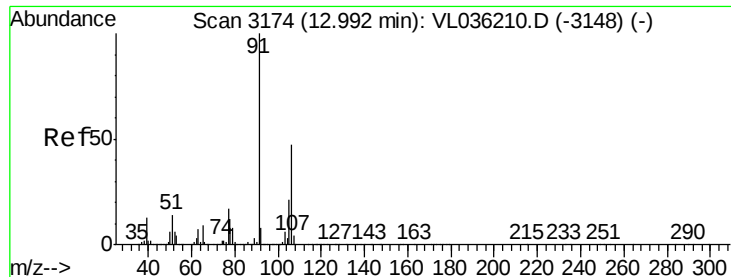
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

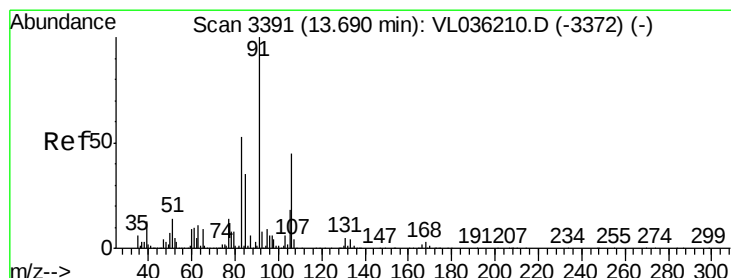
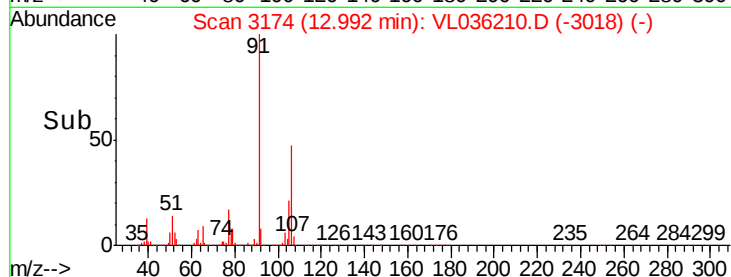
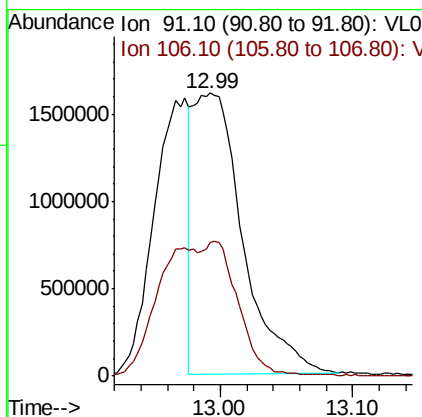
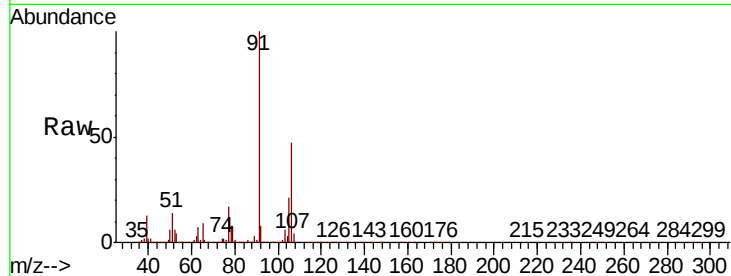




#59
m/p-Xylene
Concen: 8.949 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

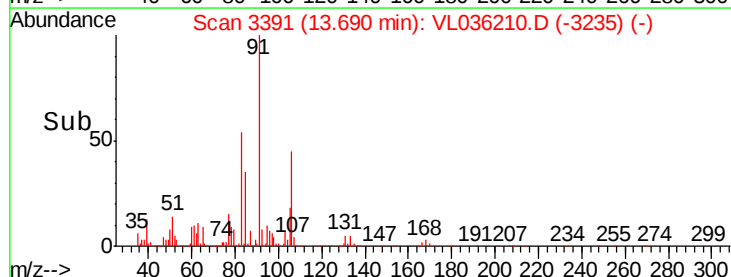
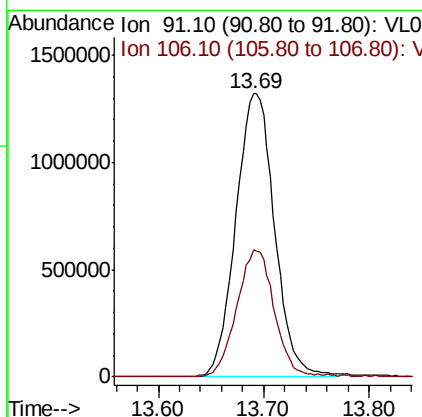
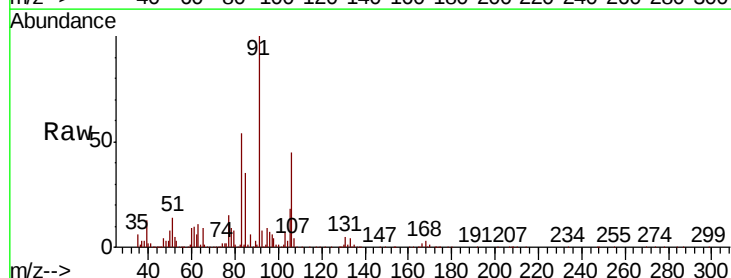
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

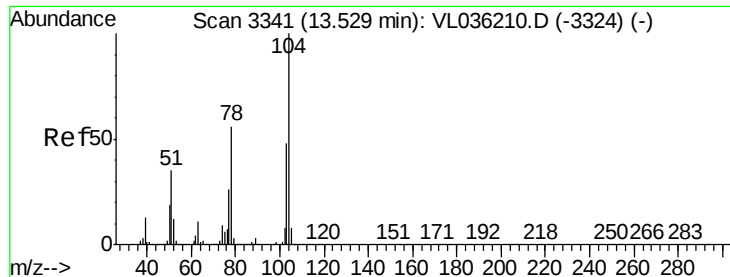
Tot Ion: 91 Resp: 4147838
Ion Ratio Lower Upper
91 100
106 74.7 34.6 51.8#



#60
o-Xylene
Concen: 7.689 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL036210.D
Acq: 13 Jan 2021 2:34

Tgt Ion: 91 Resp: 3364264
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.8





#61

Stvrene

Concen: 8.543 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

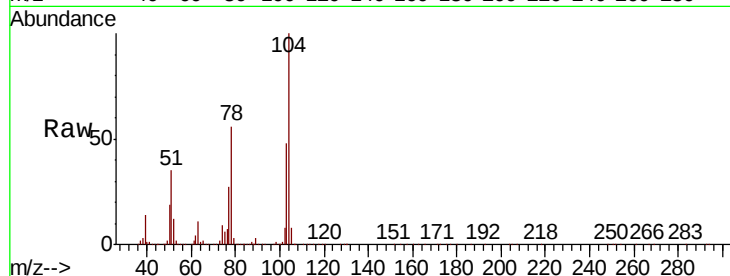
Tot Ion:104 Resp: 2425525

Ion Ratio Lower Upper

104 100

78 58.6 46.8 70.2

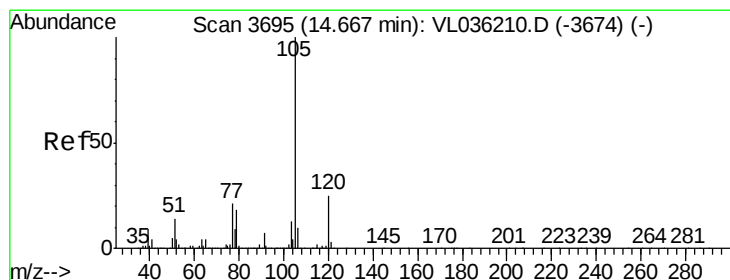
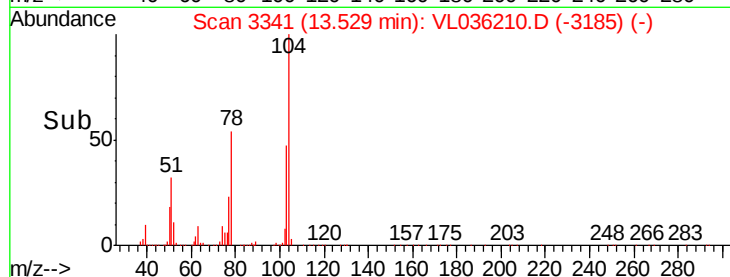
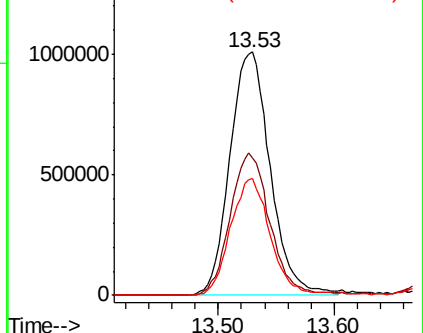
103 48.0 38.4 57.6



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: 7.784 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VL036210.D

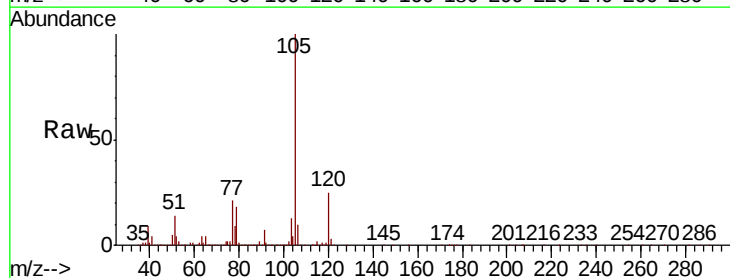
Acq: 13 Jan 2021 2:34

Tgt Ion:105 Resp: 5066514

Ion Ratio Lower Upper

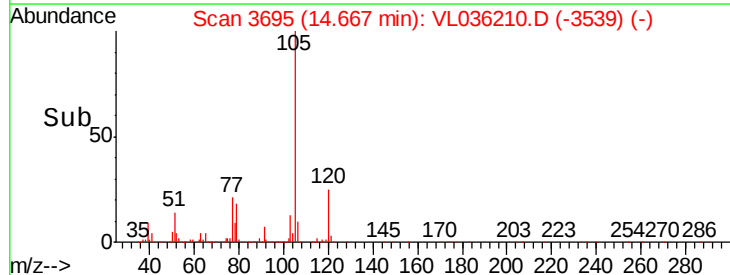
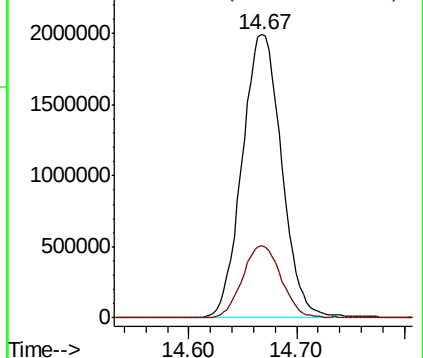
105 100

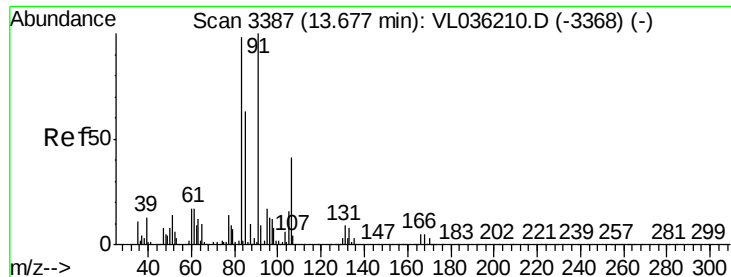
120 25.4 20.3 30.5



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: 7.937 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

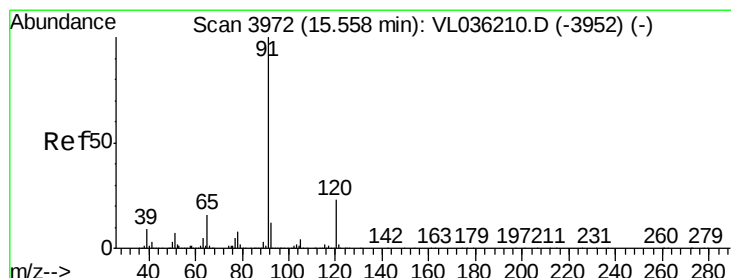
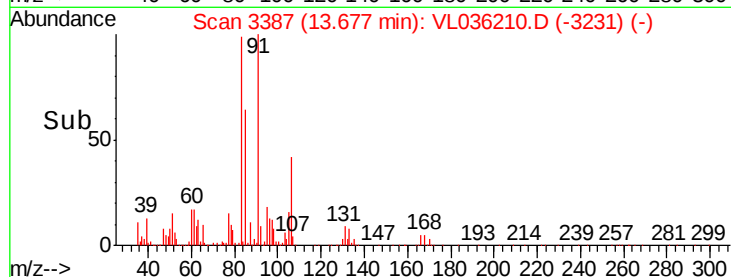
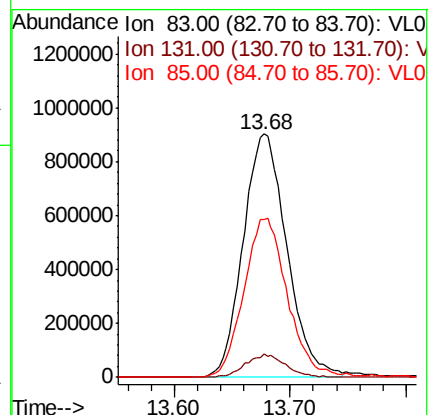
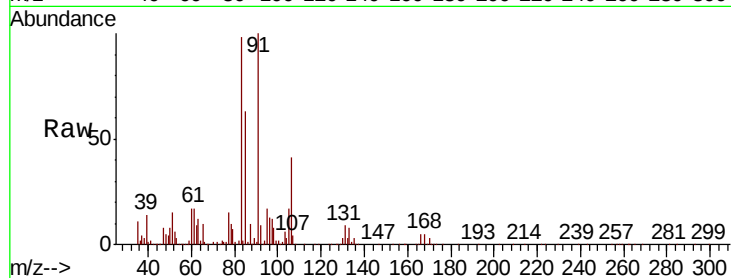
Tot Ion: 83 Resp: 2358113

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.5
85	66.0	33.1	99.3

83 100

131 8.8 4.5 13.5

85 66.0 33.1 99.3



#64

n-propylbenzene

Concen: 8.231 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL036210.D

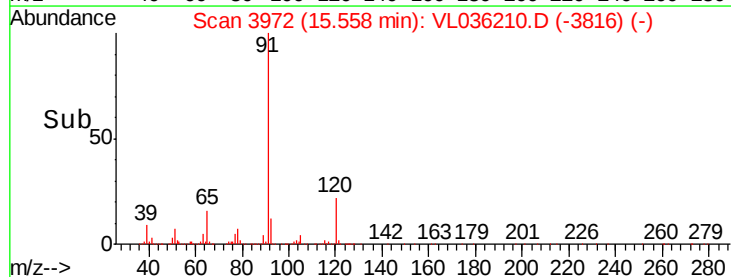
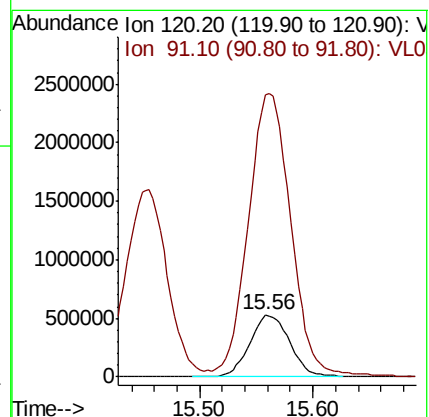
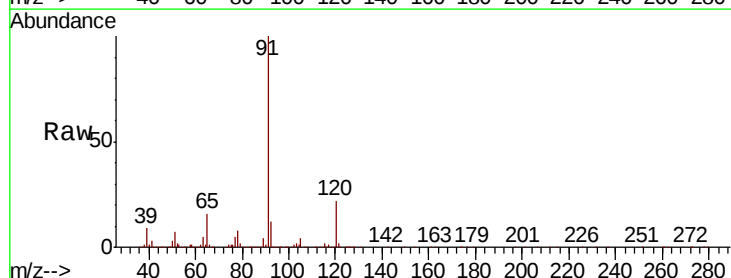
Acq: 13 Jan 2021 2:34

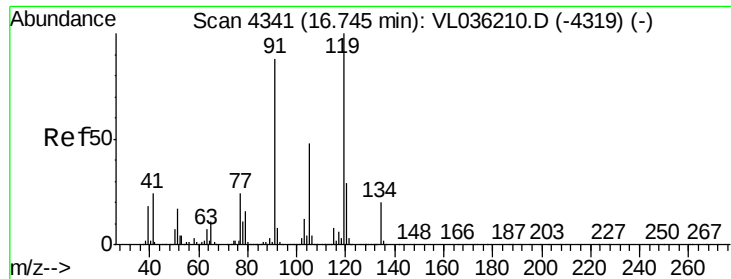
Tgt Ion: 120 Resp: 1296880

Ion	Ratio	Lower	Upper
120	100		
91	489.7	391.8	587.6

120 100

91 489.7 391.8 587.6





#65

tert-Butylbenzene

Concen: 7.913 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

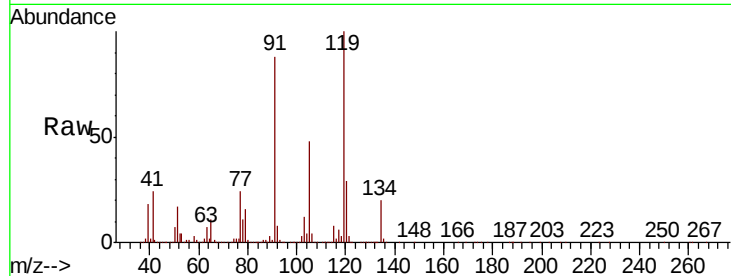
Tot Ion:119 Resp: 4235700

Ion Ratio Lower Upper

119 100

91 88.8 71.0 106.6

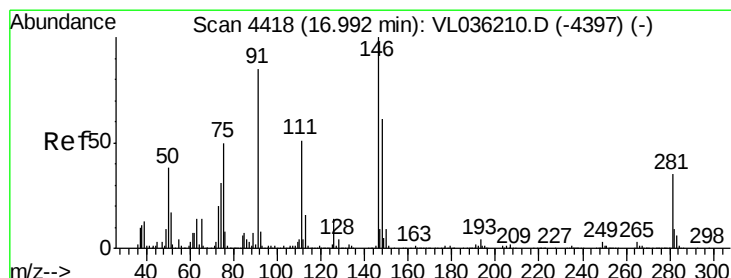
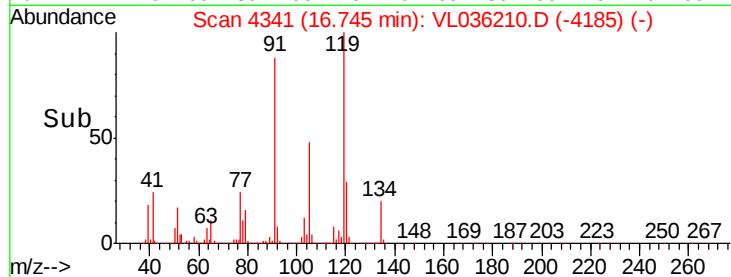
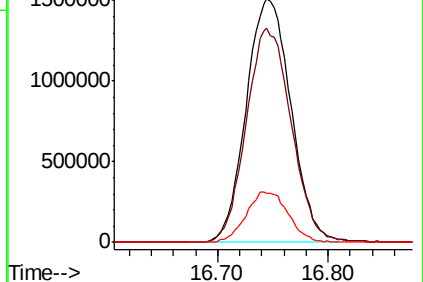
134 19.7 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.218 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

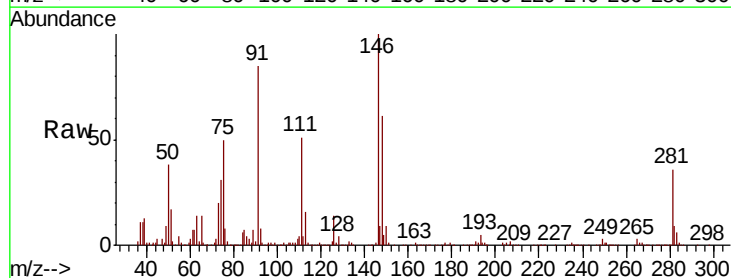
Tgt Ion: 91 Resp: 1540495

Ion Ratio Lower Upper

91 100

126 15.8 12.6 19.0

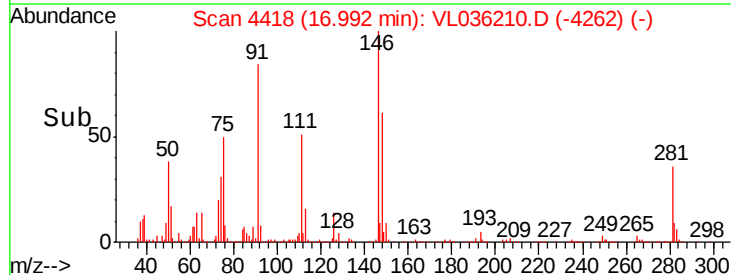
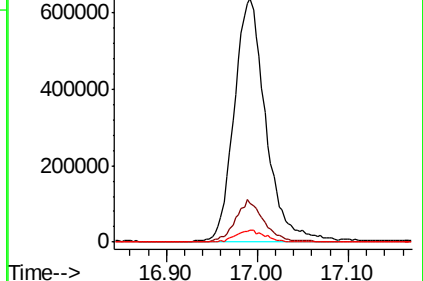
128 4.8 3.8 5.6

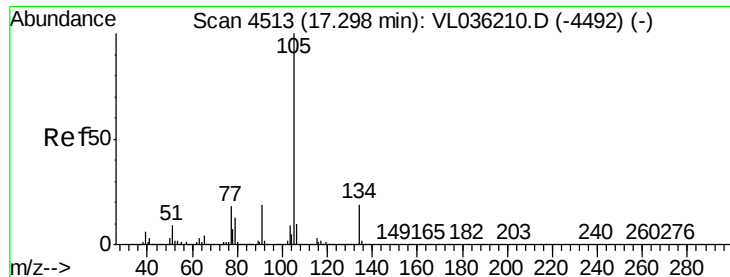


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

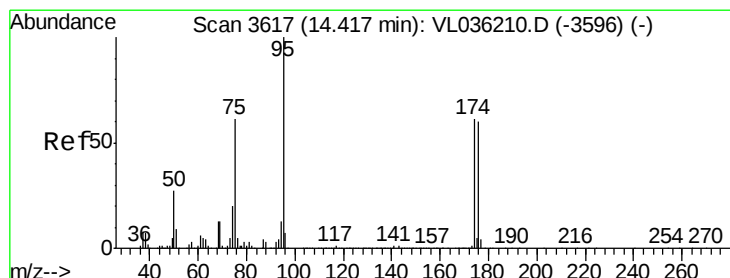
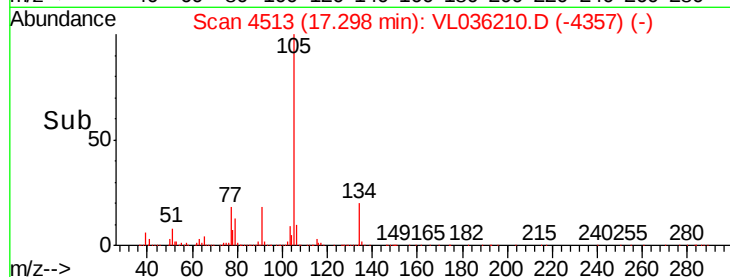
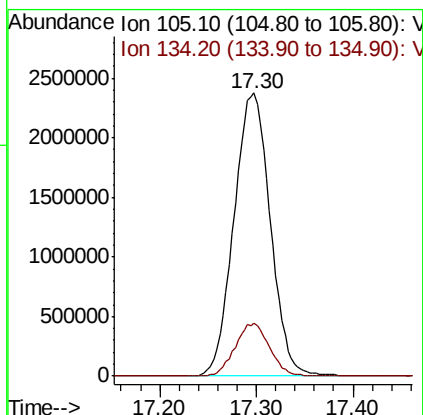
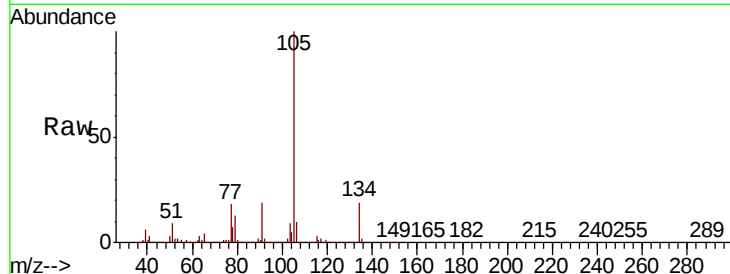




#67
 sec-Butylbenzene
 Concen: 8.191 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

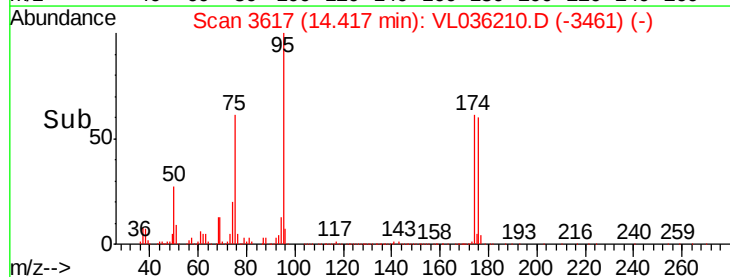
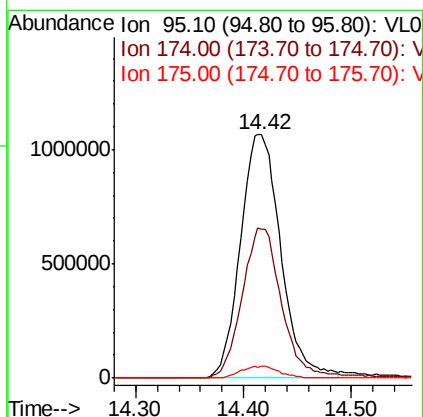
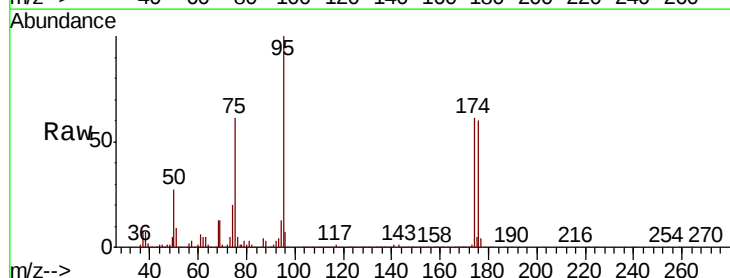
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

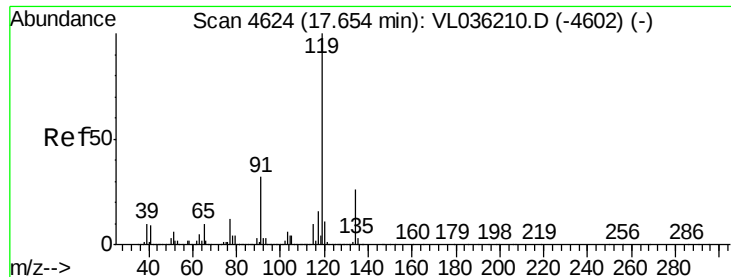
Tot Ion:105 Resp: 6196014
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.657 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 95 Resp: 2775739
 Ion Ratio Lower Upper
 95 100
 174 61.7 49.4 74.0
 175 4.8 3.8 5.8

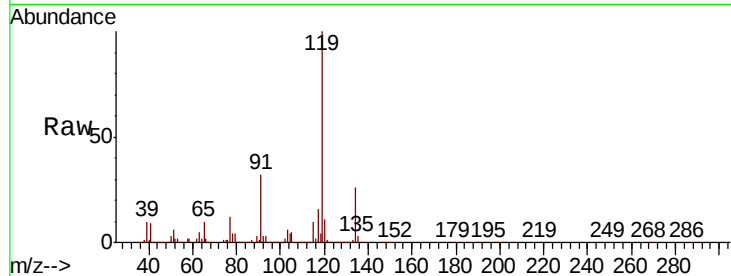




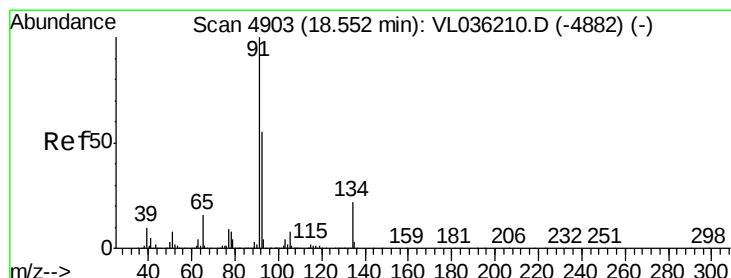
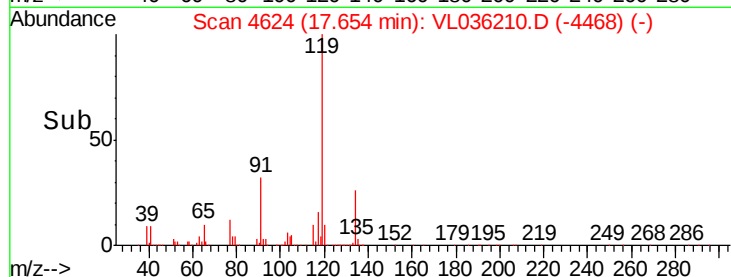
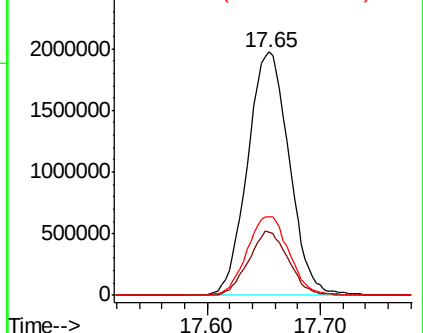
#69
 p-Isopropyltoluene
 Concen: 8.371 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:119 Resp: 5042097
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.4
 91 32.7 26.0 39.0

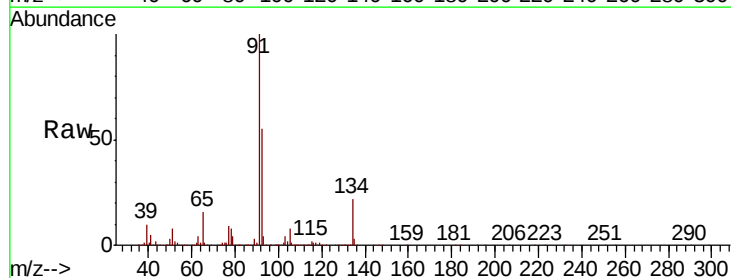


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

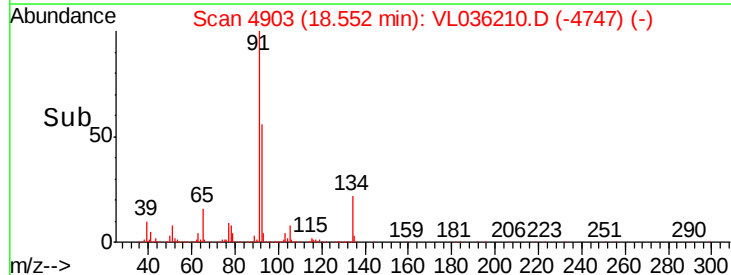
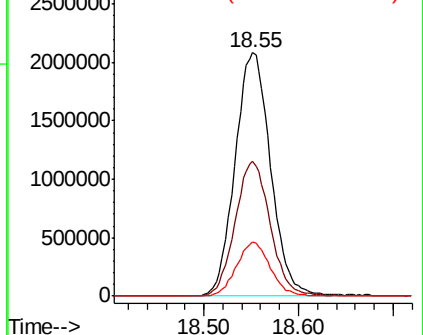


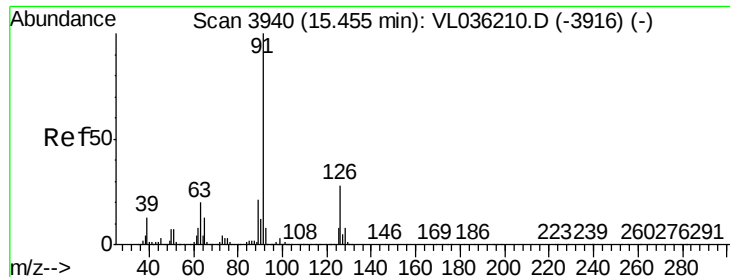
#70
 n-Butylbenzene
 Concen: 8.967 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 91 Resp: 5432892
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.0 66.0
 134 21.2 17.0 25.4



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

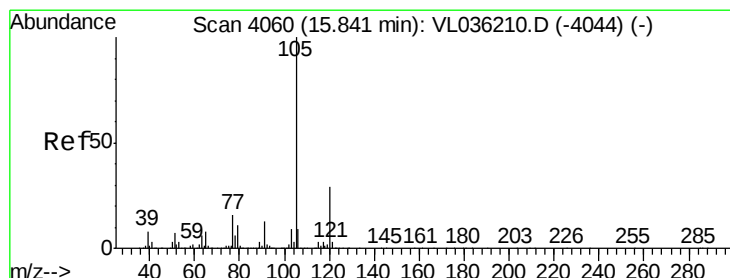
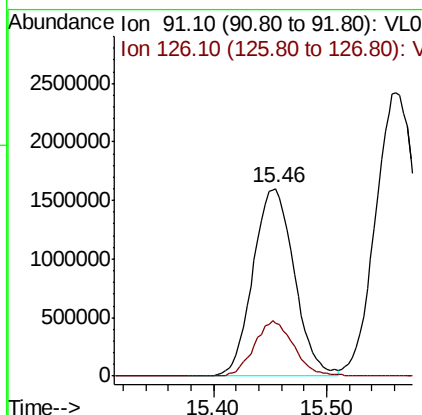
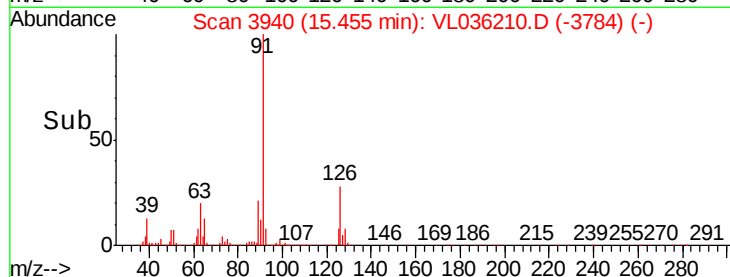
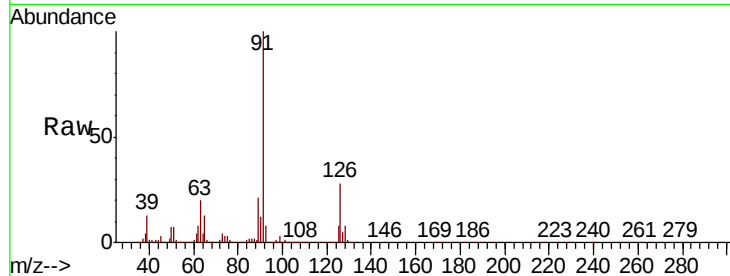




#71
 2-Chlorotoluene
 Concen: 8.168 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

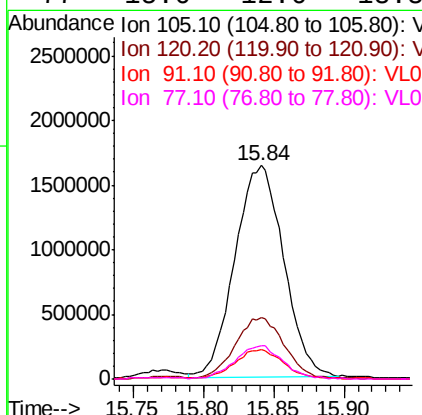
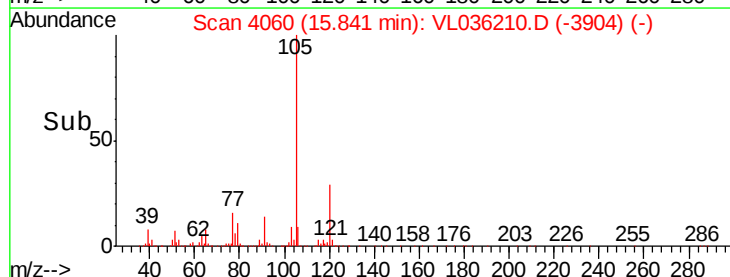
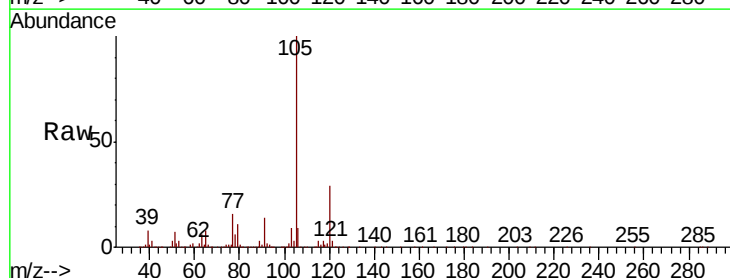
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

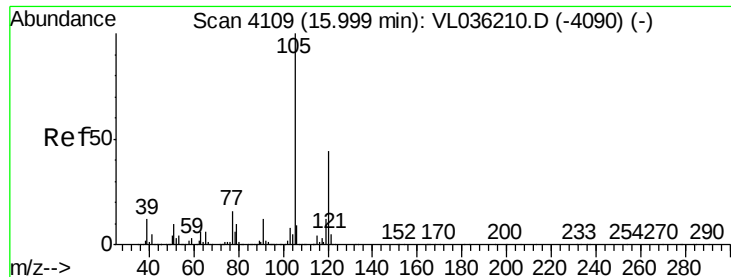
Tot Ion: 91 Resp: 4061027
 Ion Ratio Lower Upper
 91 100
 126 28.7 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 8.235 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion: 105 Resp: 3951643
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.7 35.5
 91 13.7 11.9 17.9
 77 15.6 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 8.212 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

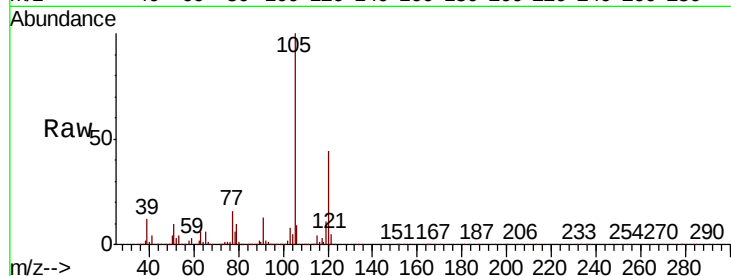
VSTDICCC010

Tot Ion:105 Resp: 3771638

Ion Ratio Lower Upper

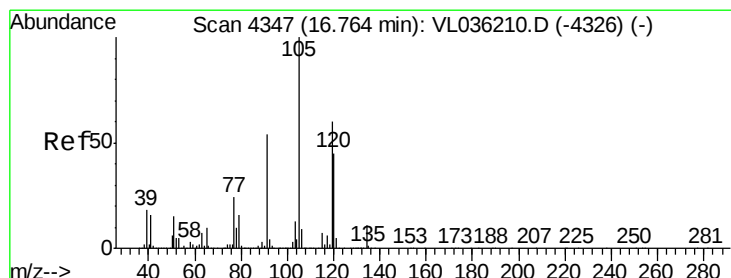
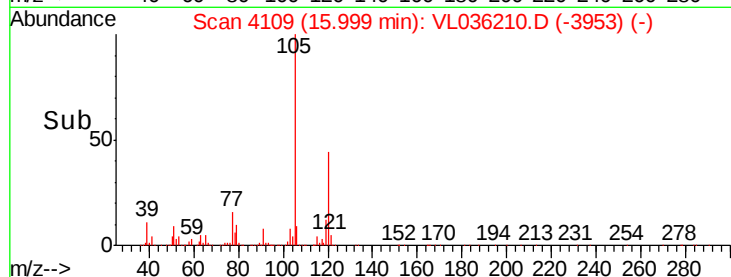
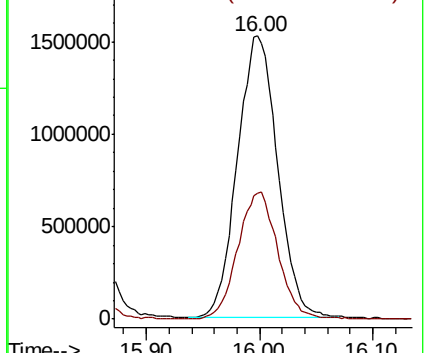
105 100

120 44.4 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.113 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Tgt Ion:105 Resp: 3737080

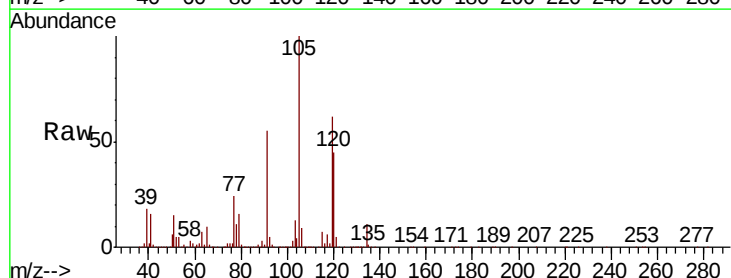
Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.2

91 54.1 43.3 64.9

77 23.9 19.1 28.7

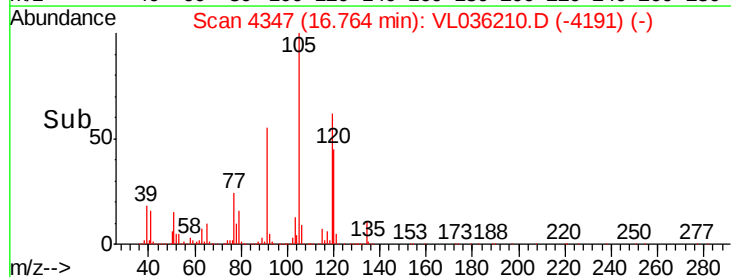
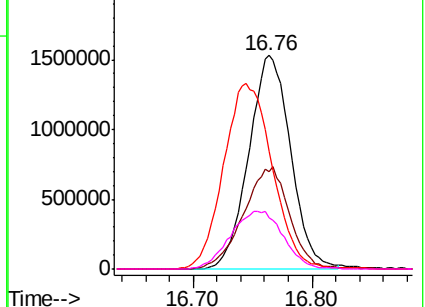


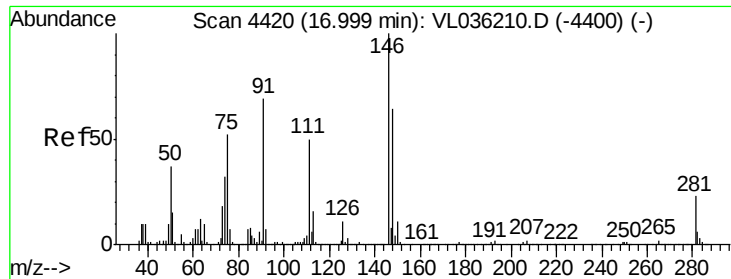
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

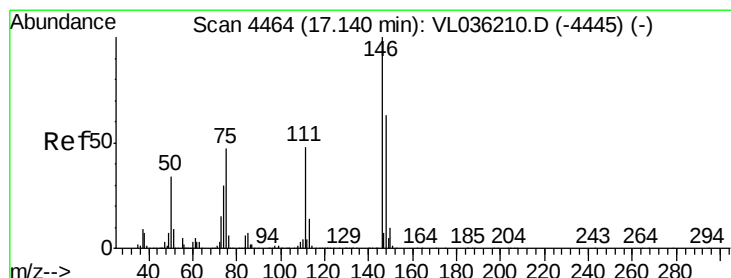
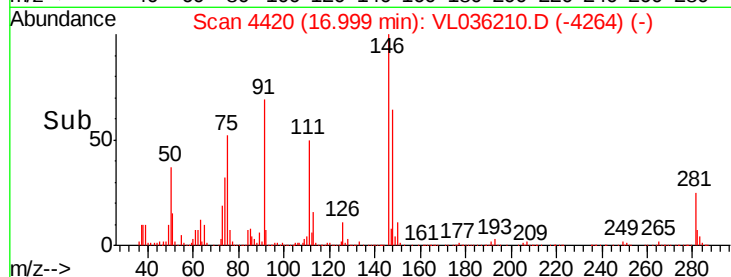
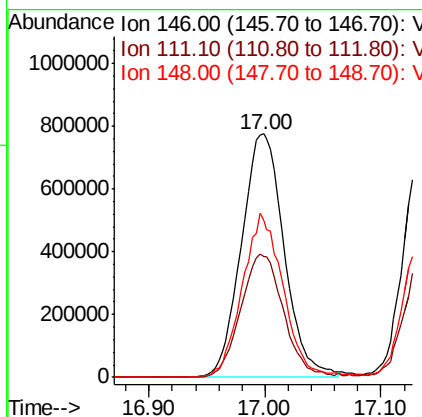
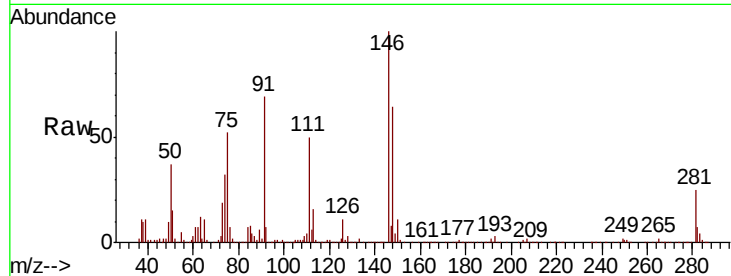




#75
 1,3-Dichlorobenzene
 Concen: 8.552 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

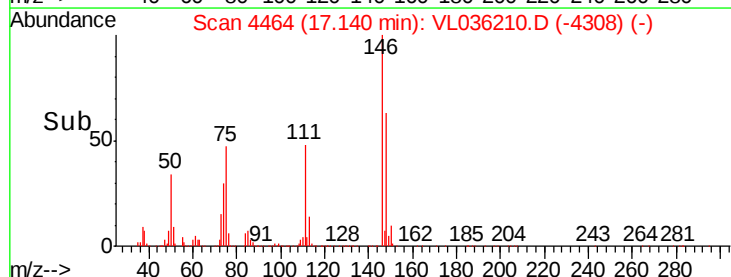
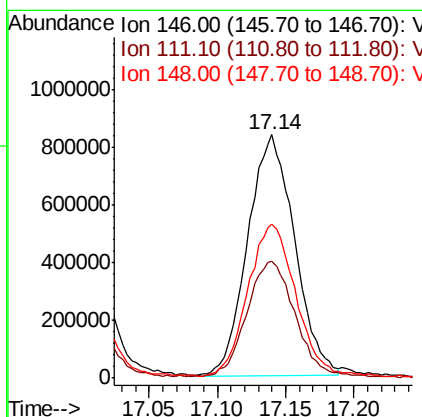
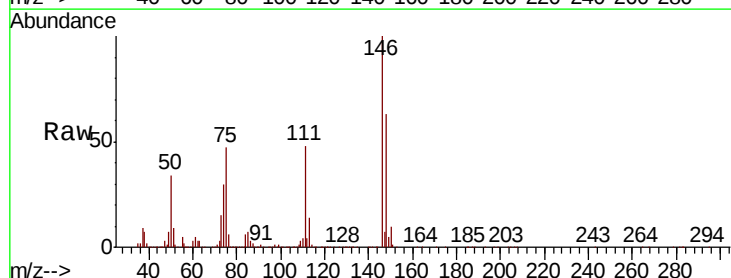
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

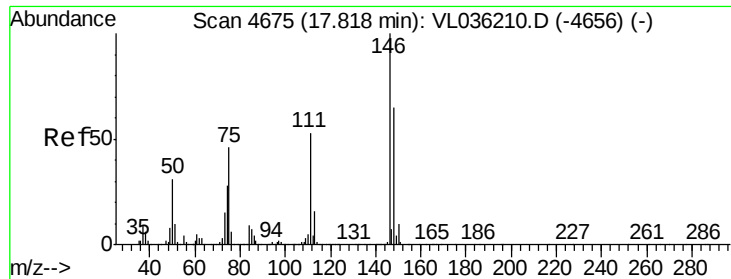
Tot Ion:146 Resp: 1988012
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 64.7 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 8.449 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion:146 Resp: 1999814
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.4 76.0
 148 67.3 33.3 99.9

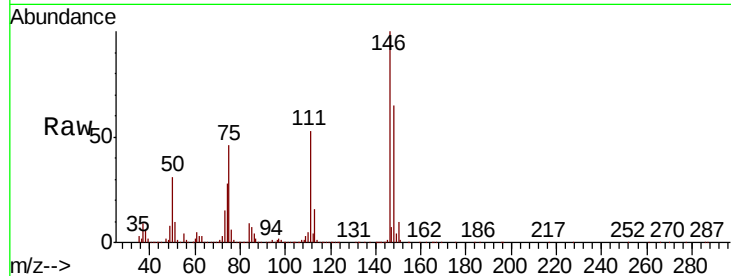




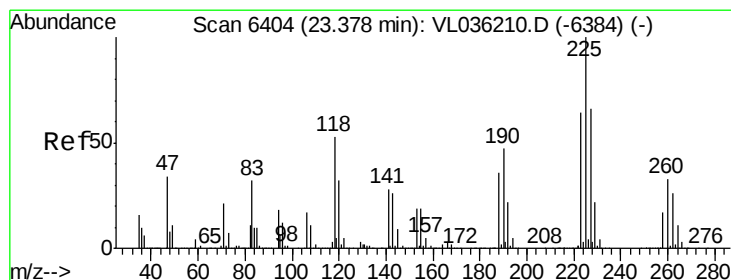
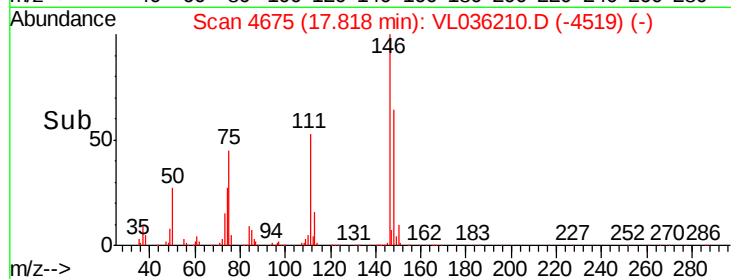
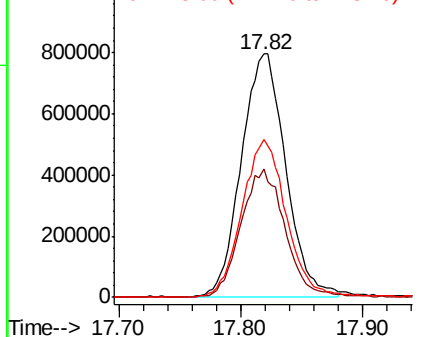
#77
 1,2-Dichlorobenzene
 Concen: 8.839 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1991230
 Ion Ratio Lower Upper
 146 100
 111 52.4 26.5 79.4
 148 65.4 32.8 98.4

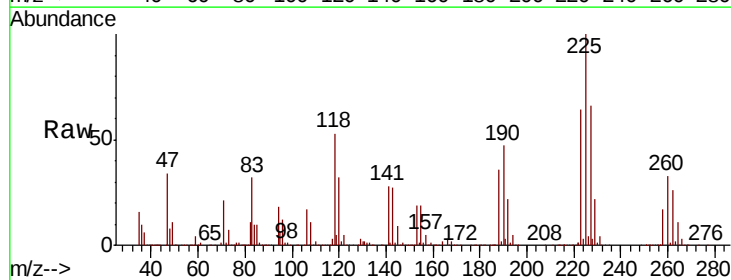


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

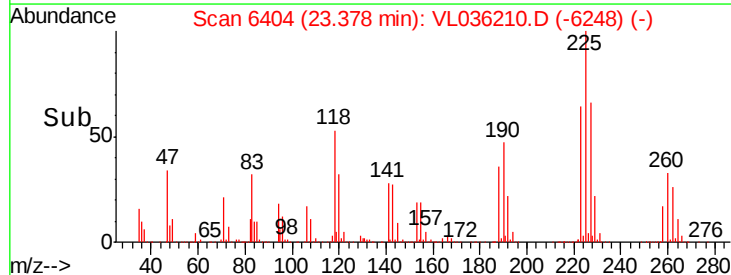
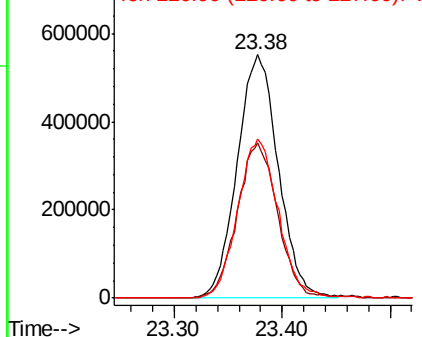


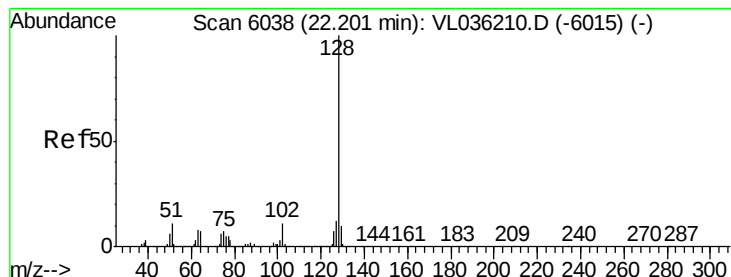
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.241 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Tgt Ion:225 Resp: 1466069
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.5 75.7
 227 64.6 51.7 77.5



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: 11.378 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

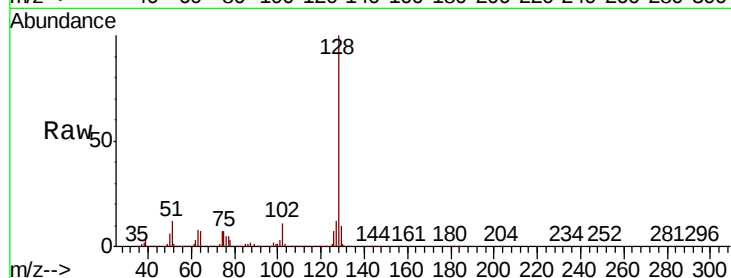
Tot Ion:128 Resp: 2805272

Ion Ratio Lower Upper

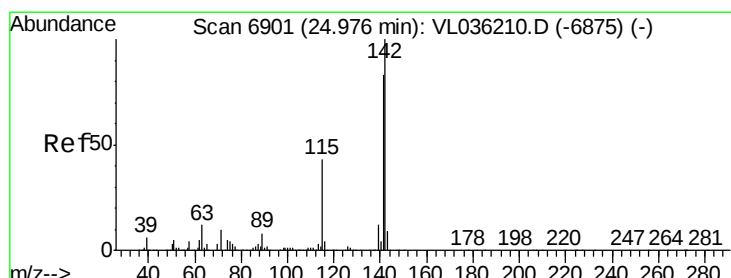
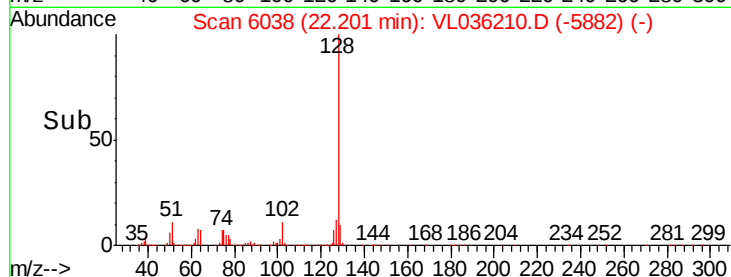
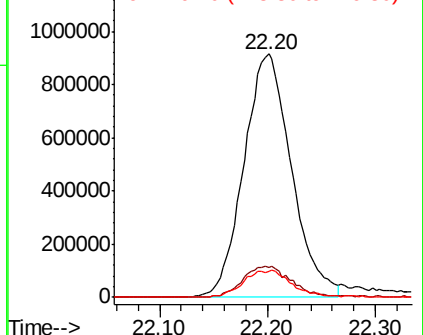
128 100

127 12.4 9.9 14.9

129 10.5 8.4 12.6



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: 14.828 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.00 min

Lab File: VL036210.D

Acq: 13 Jan 2021 2:34

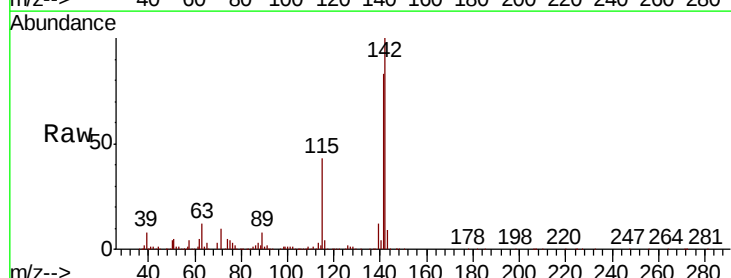
Tgt Ion:142 Resp: 746883

Ion Ratio Lower Upper

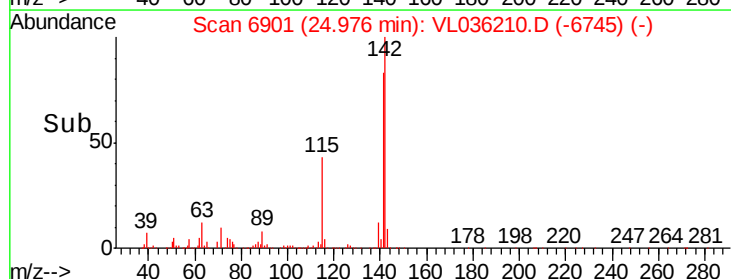
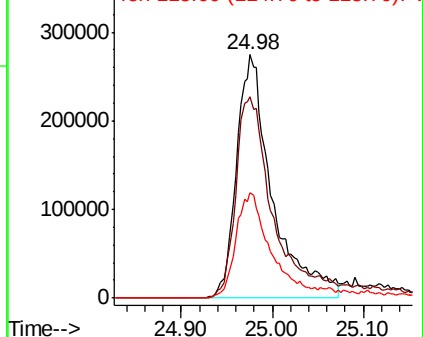
142 100

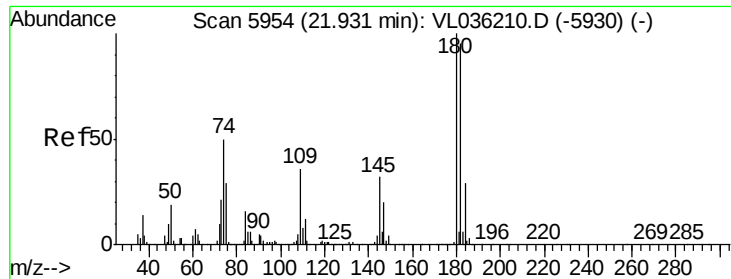
141 94.9 68.6 102.8

115 48.8 32.9 49.3



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: 9.243 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.00 min
 Lab File: VL036210.D
 Acq: 13 Jan 2021 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:180 Resp: 1447565
 Ion Ratio Lower Upper
 180 100
 182 100.0 79.9 119.9
 184 33.1 25.6 38.4

