

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036245.D
 Acq On : 20 Jan 2021 13:14
 Operator : SY/AP
 Sample : VL0120ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Quant Time: Jan 21 01:34:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1504203	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3331621	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3896270	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2678867	8.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1616312	8.016 ppbv	99
3) Chlorodifluoromethane	2.99	51	1790680	9.693 ppbv	97
4) Chloromethane	3.14	50	860802	9.428 ppbv	95
5) Vinyl Chloride	3.26	62	831885	9.628 ppbv	98
6) Bromomethane	3.47	94	469036	9.710 ppbv	97
7) Chloroethane	3.56	64	291453	9.795 ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1792917	9.178 ppbv	100
9) Propene	3.01	41	776354	8.825 ppbv	100
10) Heptane	8.13	43	2032053	9.306 ppbv	98
11) Trichlorofluoromethane	3.95	101	1968961	9.605 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1249904	10.057 ppbv	97
13) Ethanol	3.62	45	74797	5.415 ppbv #	45
14) Bromoethene	3.74	108	522416	9.232 ppbv	99
15) Acetone	3.85	43	1626944	8.831 ppbv	98
16) 1,3-Butadiene	3.33	39	832104	9.272 ppbv	98
17) tert-Butyl alcohol	4.30	59	1538824	10.123 ppbv	99
18) 1,1-Dichloroethene	4.29	96	563598	9.782 ppbv	90
19) Isopropyl Alcohol	3.97	45	1171009	10.544 ppbv #	98
20) Methylene Chloride	4.35	84	491952	8.367 ppbv	96
21) Allyl Chloride	4.42	41	953065	9.504 ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	530389	9.964 ppbv	98
23) Vinyl Acetate	5.08	43	2298549	10.297 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1587605	9.818 ppbv	99
25) Ethyl Acetate	5.68	43	3439356	9.299 ppbv	99
26) Hexane	5.69	57	1388965	9.020 ppbv	99
27) Carbon Disulfide	4.56	76	1380858	11.215 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1944008	9.335 ppbv	98
29) Chloroform	5.76	83	2158869	9.792 ppbv	93
30) Cyclohexane	7.14	84	1166257	9.911 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1453903	9.878 ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	2170294	10.178 ppbv	100
34) 2-Butanone	5.25	43	2207469	8.997 ppbv	99
35) Carbon Tetrachloride	7.03	117	2173553	10.326 ppbv	98
36) Benzene	6.90	78	2905503	9.518 ppbv	97
37) 1,2-Dichloroethane	6.31	62	1840194	10.018 ppbv	100
38) Trichloroethene	7.85	130	975007	8.623 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1177908	9.504 ppbv	99
40) 1,4-Dioxane	7.84	88	391403	8.730 ppbv #	93
41) Tetrahydrofuran	6.05	42	1328404	9.369 ppbv	97
42) Bromodichloromethane	7.80	83	2370310	10.266 ppbv	97
43) Methyl Methacrylate	8.02	69	1283010	9.890 ppbv	99

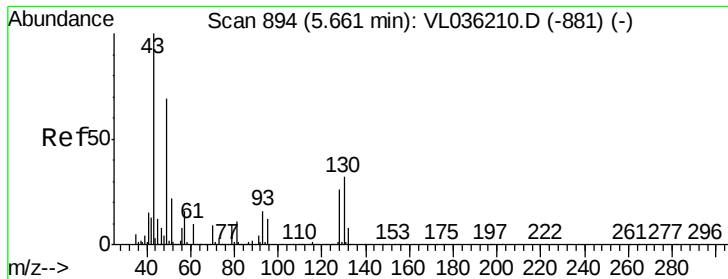
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036245.D
 Acq On : 20 Jan 2021 13:14
 Operator : SY/AP
 Sample : VL0120ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Quant Time: Jan 21 01:34:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4987204	8.895	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1402035	11.378	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1713009	10.818	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1133927	9.563	ppbv	95
48) Dibromochloromethane	10.32	129	1835320	10.580	ppbv	98
49) Bromoform	13.06	173	1537087	10.615	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3399056	9.291	ppbv	99
51) 2-Hexanone	10.14	43	2831903	9.812	ppbv #	99
52) Tetrachloroethene	11.24	164	926542	8.237	ppbv	99
53) Toluene	9.82	91	3207581	9.393	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1698996	9.666	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	1356732	7.803	ppbv	94
57) Chlorobenzene	12.16	112	2241008	7.331	ppbv	99
58) Ethyl Benzene	12.72	91	4394773	7.601	ppbv	98
59) m/p-Xylene	13.01	91	4145873	8.345	ppbv #	50
60) o-Xylene	13.71	91	3424700	7.151	ppbv	99
61) Styrene	13.54	104	2447811	8.095	ppbv	100
62) Isopropylbenzene	14.68	105	5165983	7.256	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2425299	6.802	ppbv	100
64) n-propylbenzene	15.58	120	1317214	7.529	ppbv	99
65) tert-Butylbenzene	16.76	119	4325285	7.169	ppbv	100
66) Benzyl Chloride	17.00	91	1595544	10.351	ppbv	100
67) sec-Butylbenzene	17.31	105	6254828	6.984	ppbv	100
69) p-Isopropyltoluene	17.67	119	5113225	7.199	ppbv	100
70) n-Butylbenzene	18.56	91	5540073	7.320	ppbv	100
71) 2-Chlorotoluene	15.47	91	4087117	7.303	ppbv	99
72) 4-Ethyltoluene	15.85	105	3985936	7.376	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3781922	7.341	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	3810221	7.211	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2048529	7.228	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2056907	7.346	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2037221	7.359	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1479897	6.684	ppbv	99
79) Naphthalene	22.21	128	2901670	9.394	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1117337	16.953	ppbv	95
81) 1,2,4-Trichlorobenzene	21.94	180	1483439	8.226	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

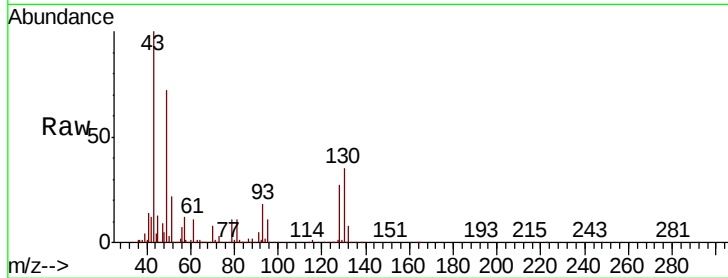
Tot Ion: 49 Resp: 1504203

Ion Ratio Lower Upper

49 100

128 40.5 20.1 60.2

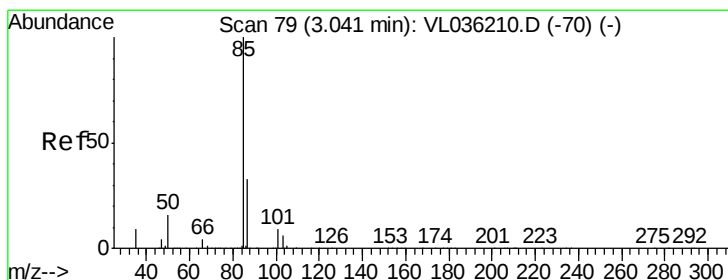
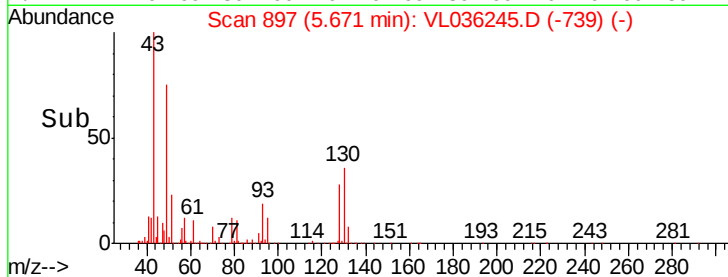
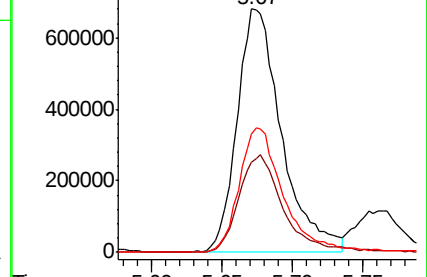
130 51.7 25.3 75.9



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: 8.016 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036245.D

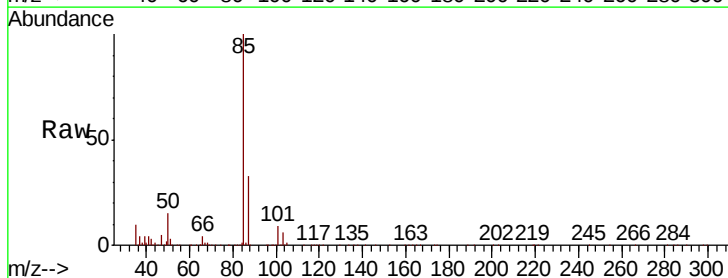
Acq: 20 Jan 2021 13:14

Tgt Ion: 85 Resp: 1616312

Ion Ratio Lower Upper

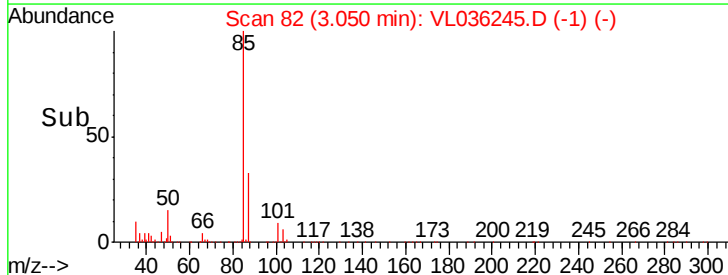
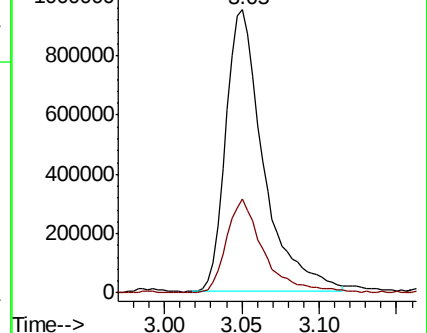
85 100

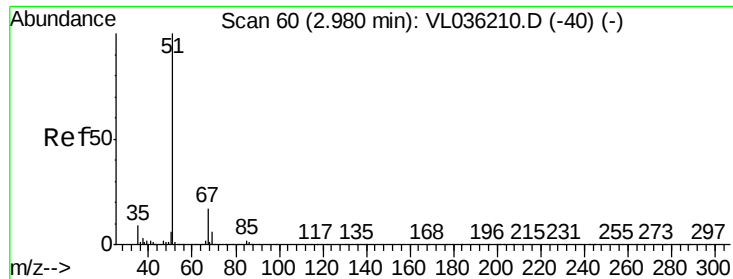
87 33.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.693 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

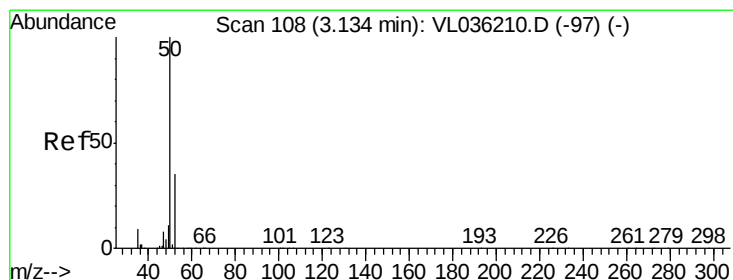
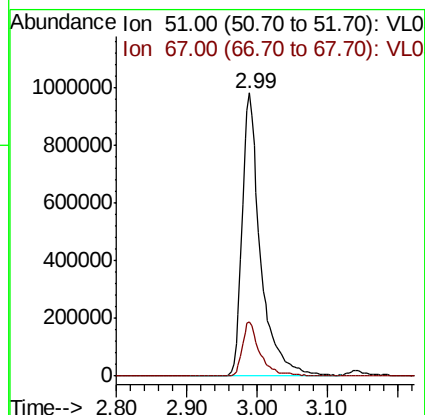
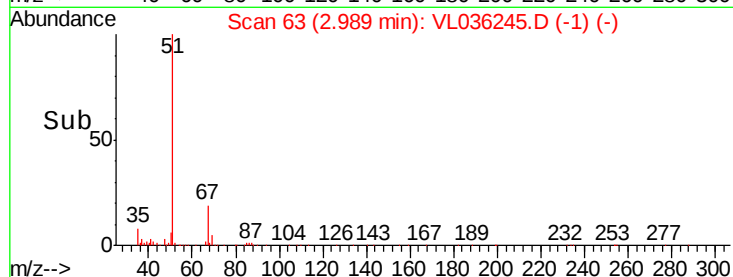
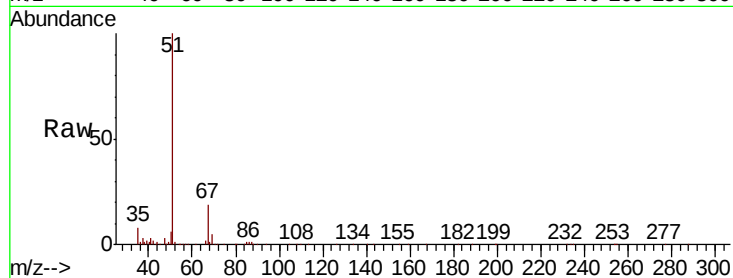
VL0120ABS01

Tot Ion: 51 Resp: 1790680

Ion Ratio Lower Upper

51 100

67 18.8 14.0 21.0



#4

Chloromethane

Concen: 9.428 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL036245.D

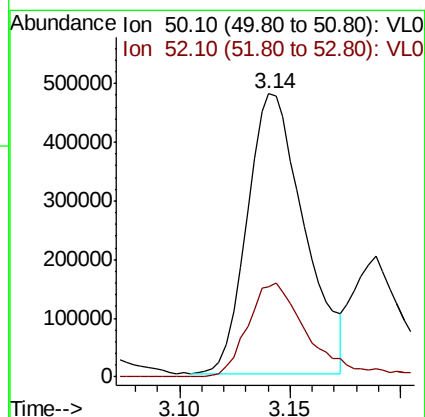
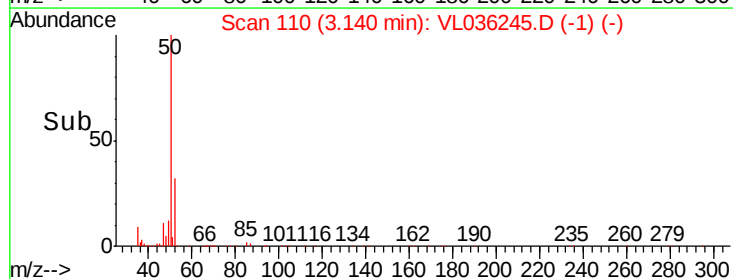
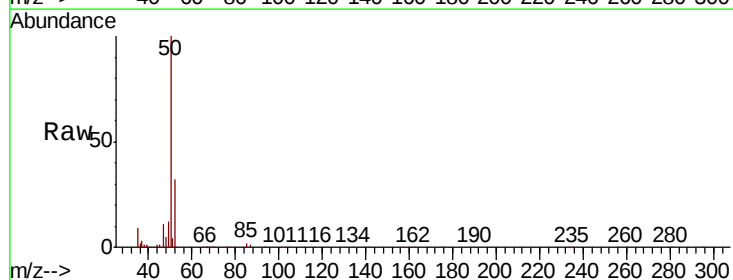
Acq: 20 Jan 2021 13:14

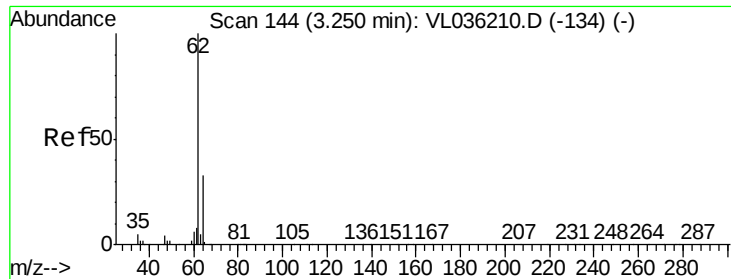
Tgt Ion: 50 Resp: 860802

Ion Ratio Lower Upper

50 100

52 32.1 27.8 41.8





#5

Vinyl Chloride

Concen: 9.628 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleID :

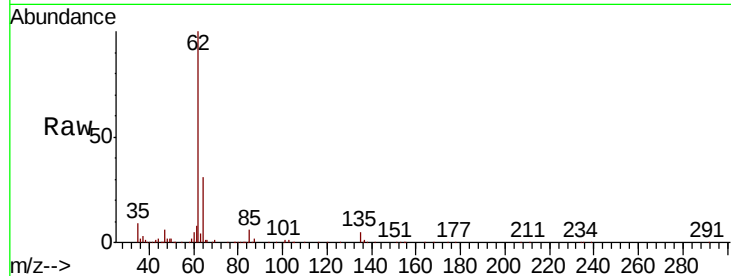
VL0120ABS01

Tot Ion: 62 Resp: 831885

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

500000

400000

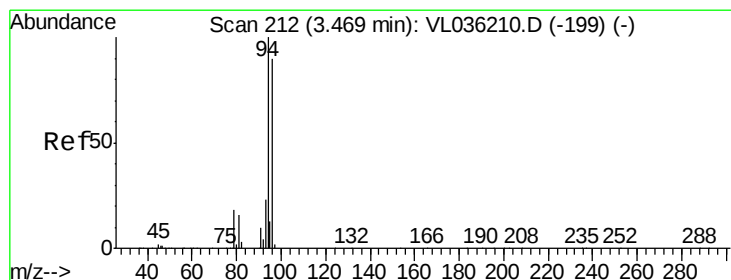
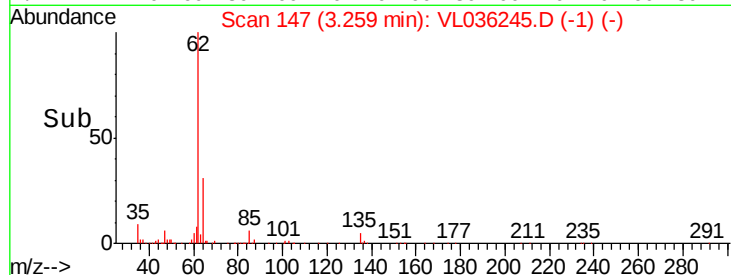
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.710 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL036245.D

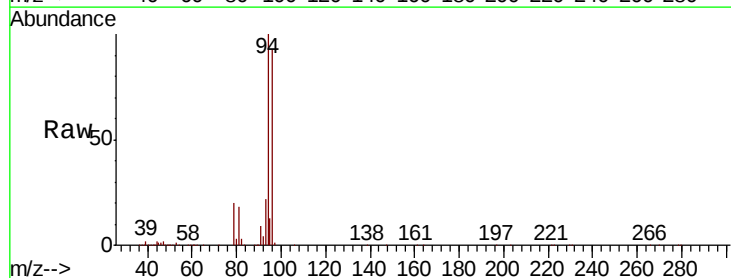
Acq: 20 Jan 2021 13:14

Tgt Ion: 94 Resp: 469036

Ion Ratio Lower Upper

94 100

96 92.9 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

250000

200000

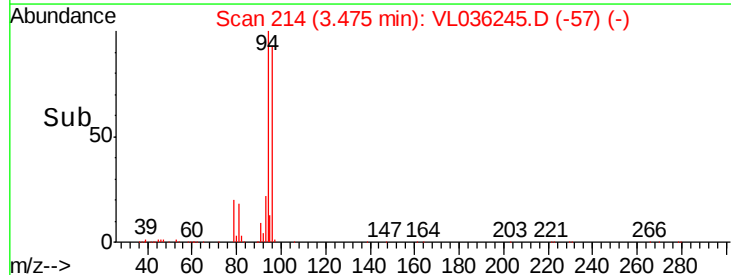
150000

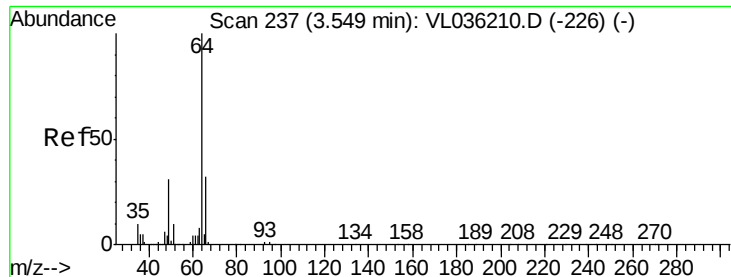
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.795 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

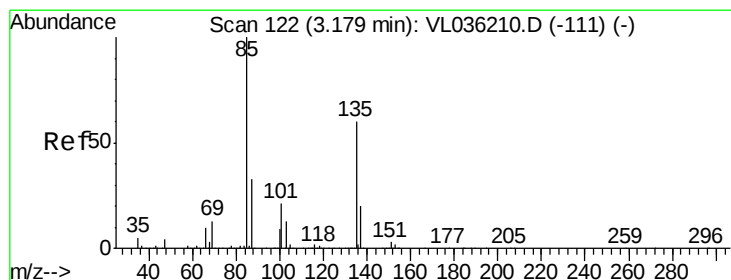
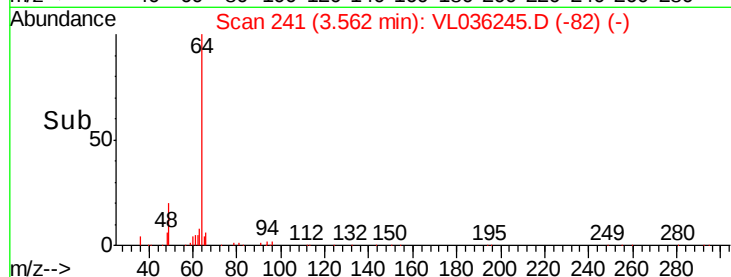
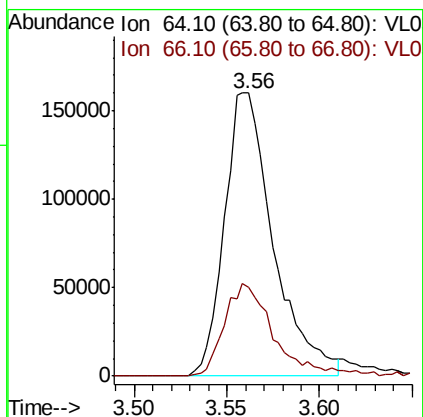
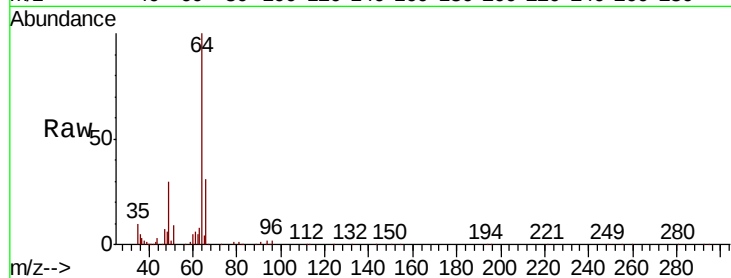
VL0120ABS01

Tot Ion: 64 Resp: 291453

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 9.178 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL036245.D

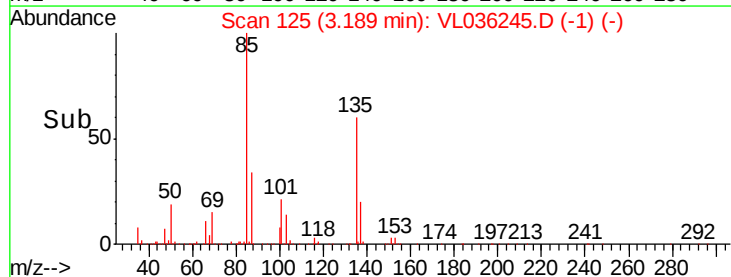
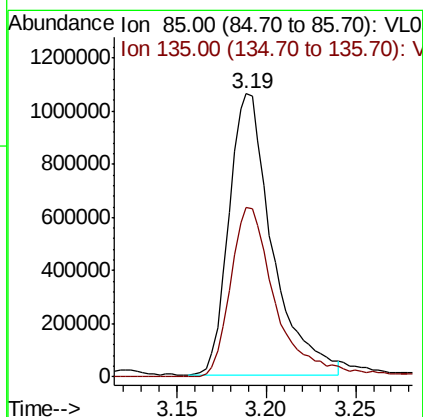
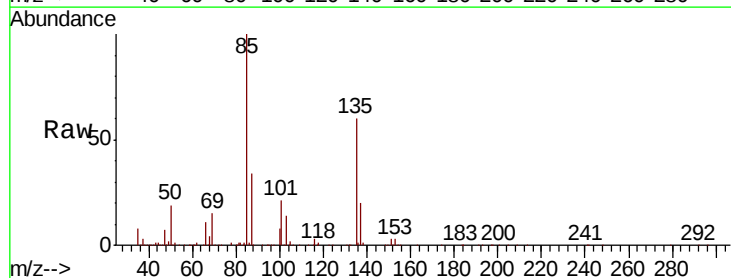
Acq: 20 Jan 2021 13:14

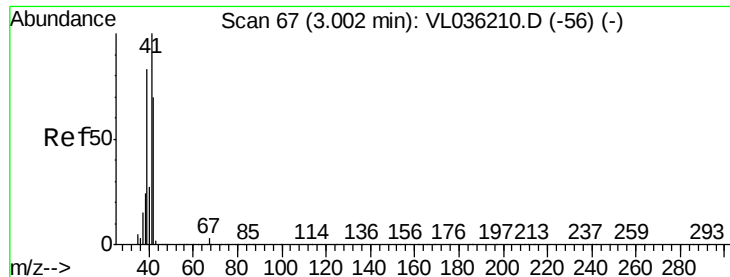
Tgt Ion: 85 Resp: 1792917

Ion Ratio Lower Upper

85 100

135 64.4 51.5 77.3





#9

Propene

Concen: 8.825 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

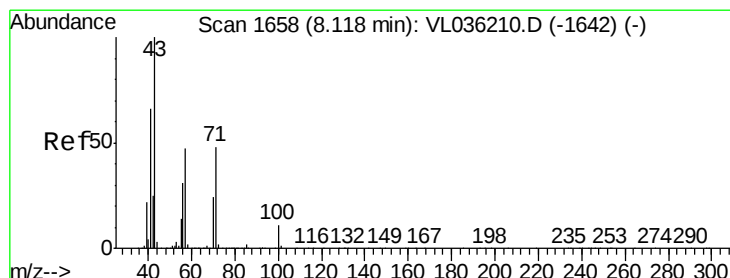
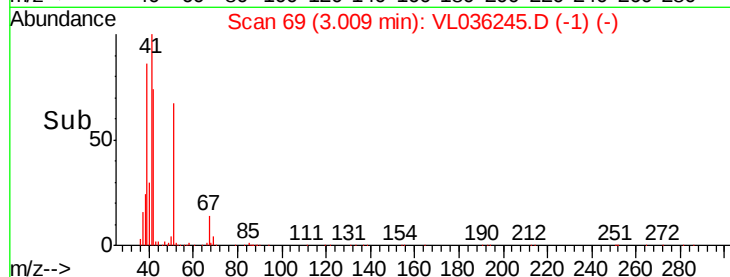
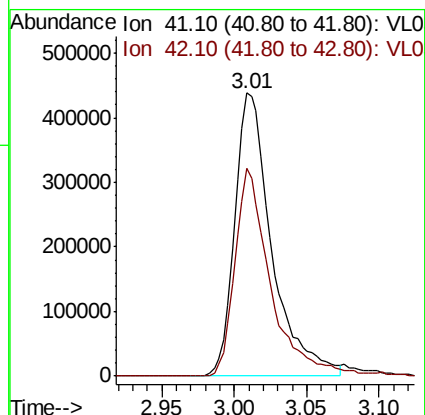
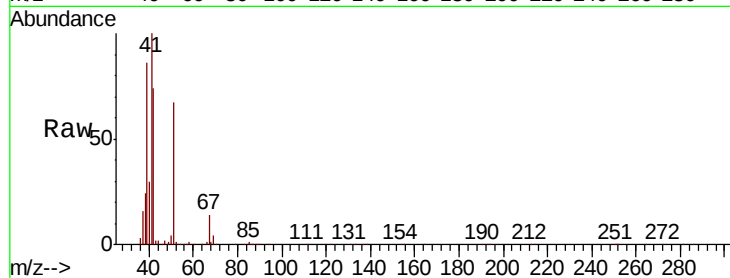
VL0120ABS01

Tot Ion: 41 Resp: 776354

Ion Ratio Lower Upper

41 100

42 71.7 57.1 85.7



#10

Heptane

Concen: 9.306 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL036245.D

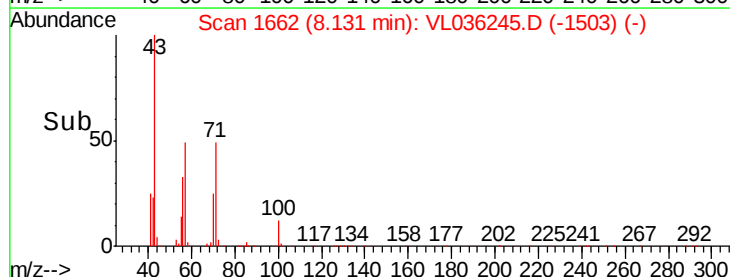
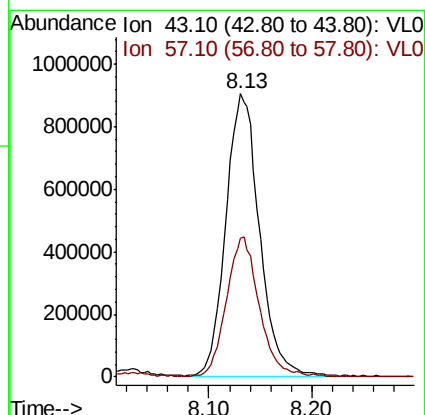
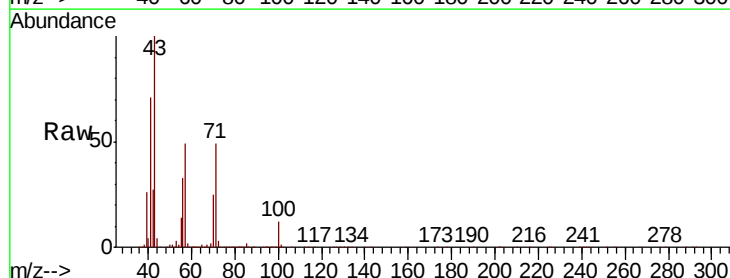
Acq: 20 Jan 2021 13:14

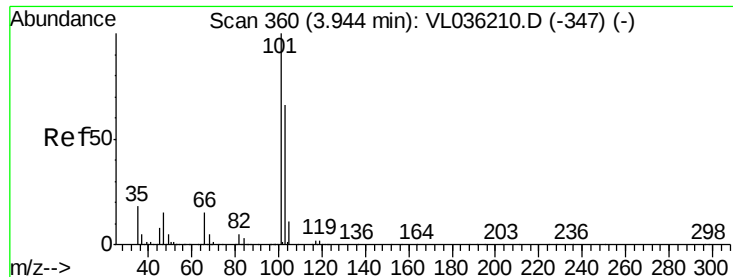
Tgt Ion: 43 Resp: 2032053

Ion Ratio Lower Upper

43 100

57 48.8 38.1 57.1

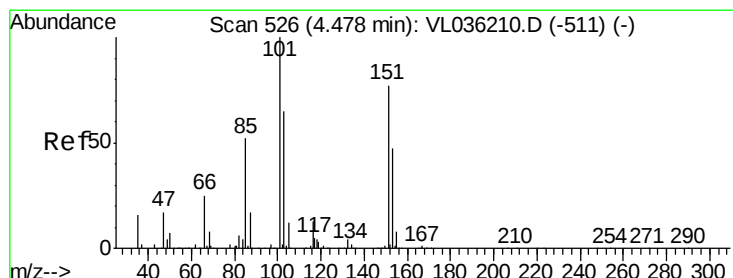
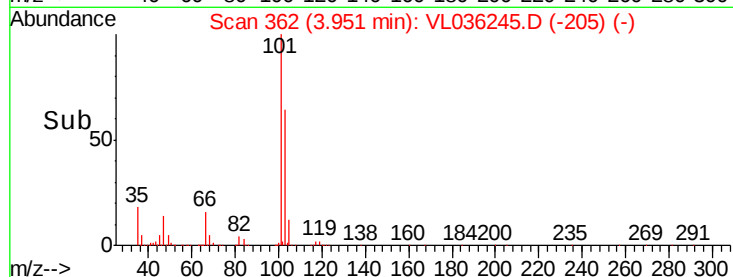
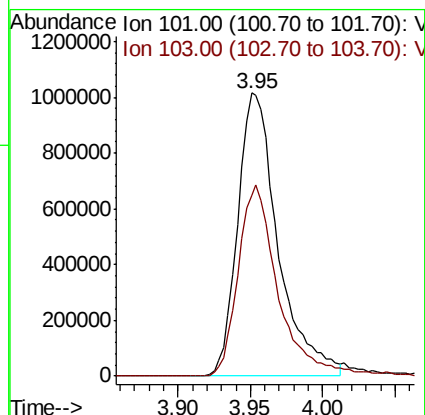
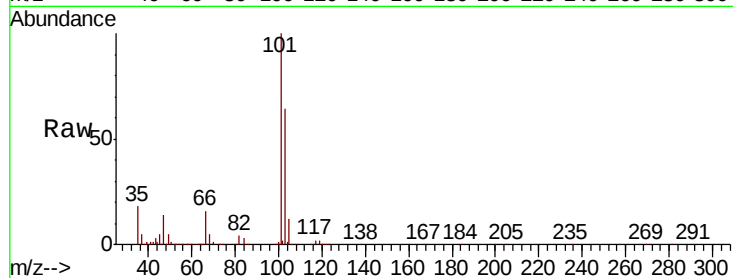




#11
 Trichlorofluoromethane
 Concen: 9.605 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

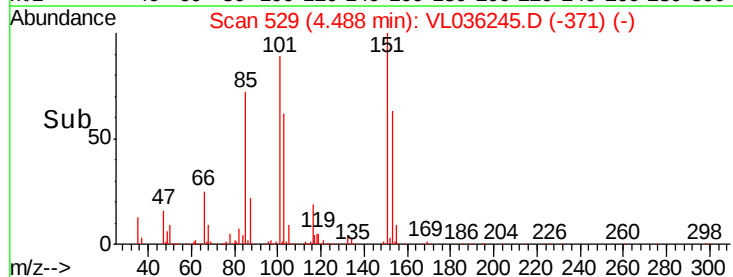
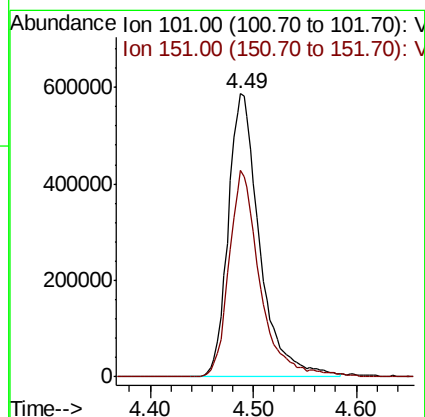
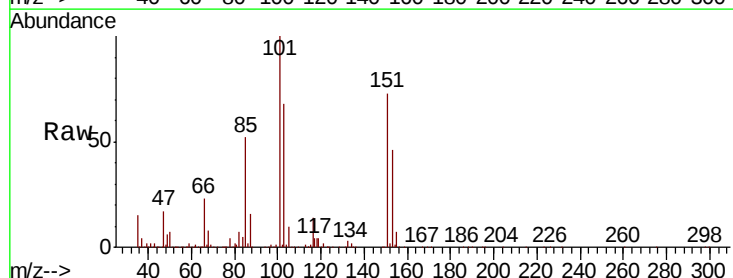
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

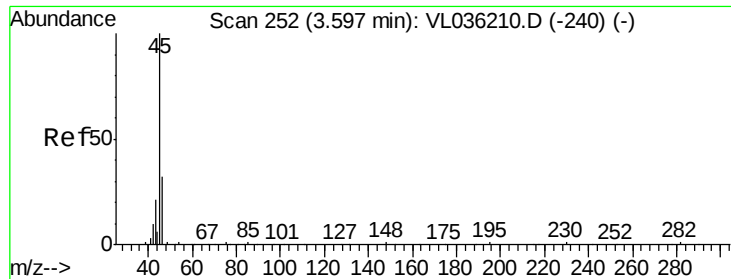
Tot Ion:101 Resp: 1968961
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.057 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion:101 Resp: 1249904
 Ion Ratio Lower Upper
 101 100
 151 72.1 59.8 89.6

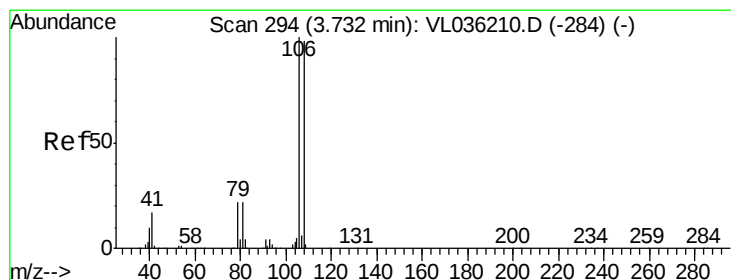
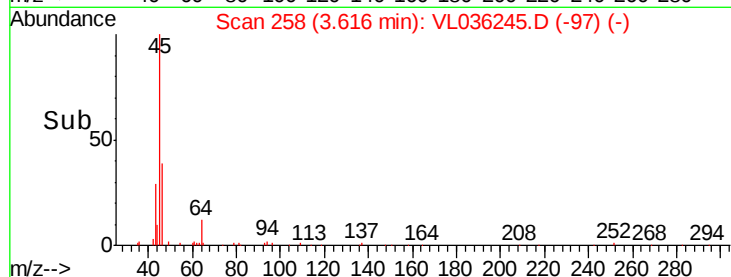
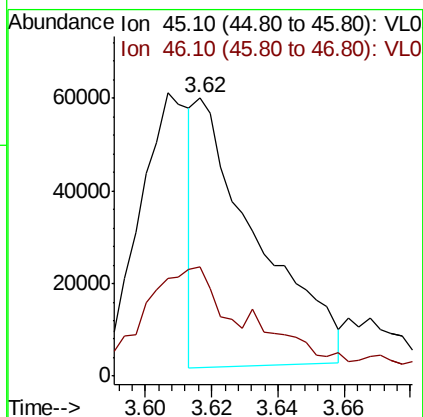
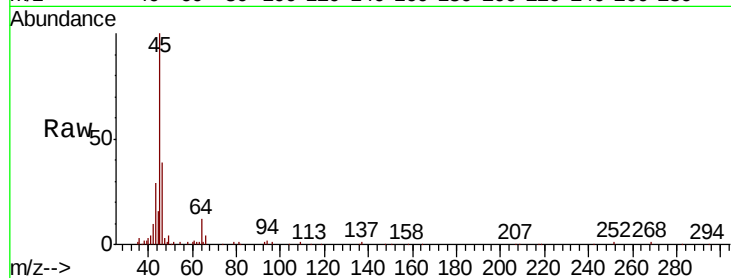




#13
Ethanol
Concen: 5.415 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

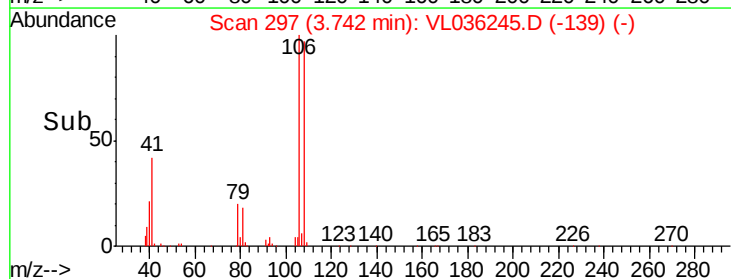
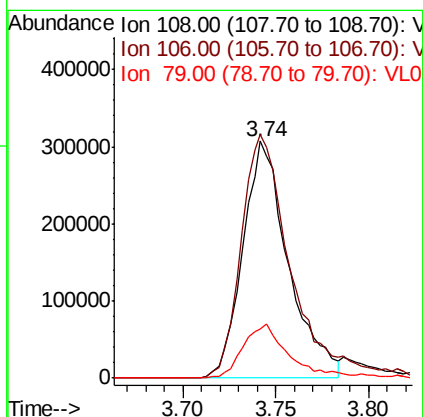
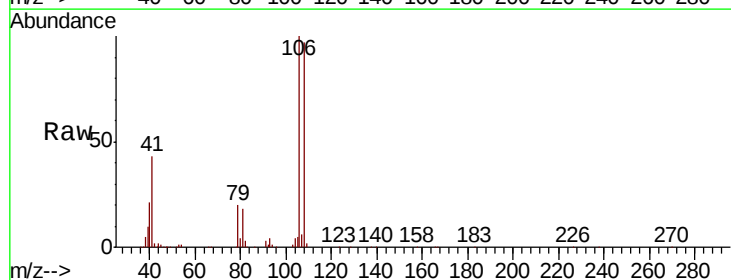
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

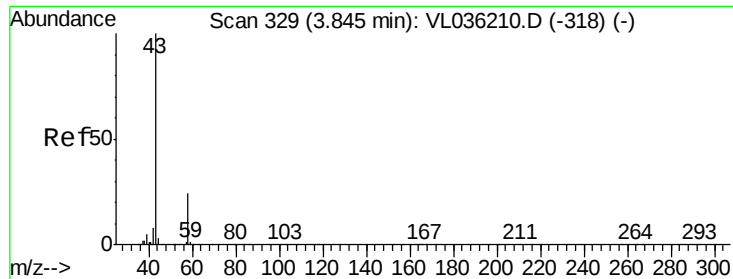
Tot Ion: 45 Resp: 74797
Ion Ratio Lower Upper
45 100
46 85.4 19.2 77.0#



#14
Bromoethene
Concen: 9.232 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 108 Resp: 522416
Ion Ratio Lower Upper
108 100
106 114.9 91.4 137.2
79 24.2 18.3 27.5





#15

Acetone

Concen: 8.831 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

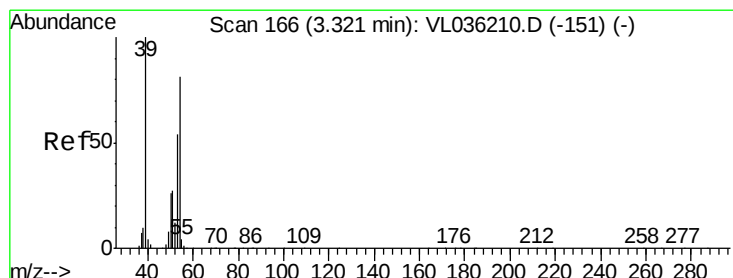
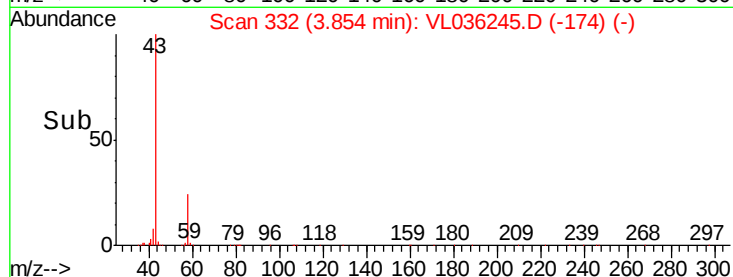
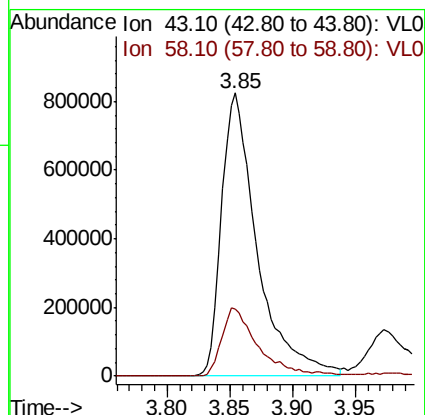
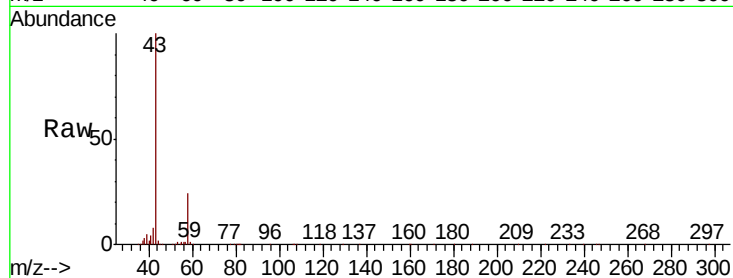
VL0120ABS01

Tot Ion: 43 Resp: 1626944

Ion Ratio Lower Upper

43 100

58 25.1 20.9 31.3



#16

1,3-Butadiene

Concen: 9.272 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036245.D

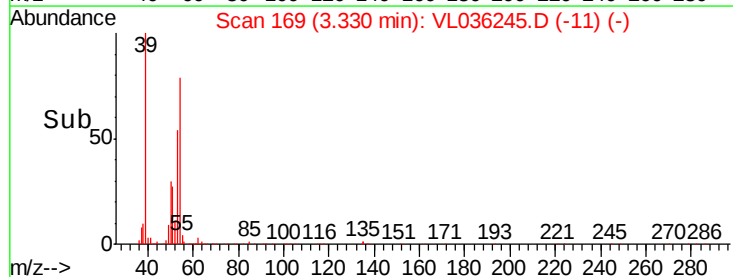
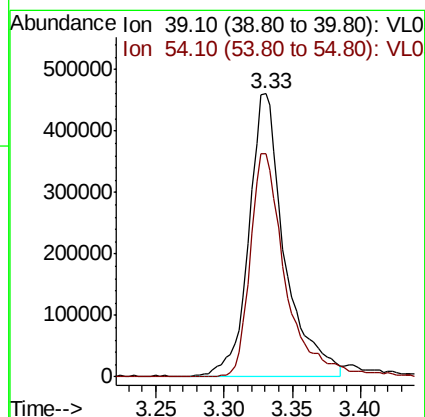
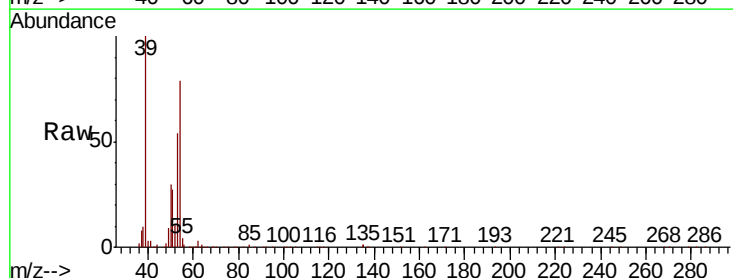
Acq: 20 Jan 2021 13:14

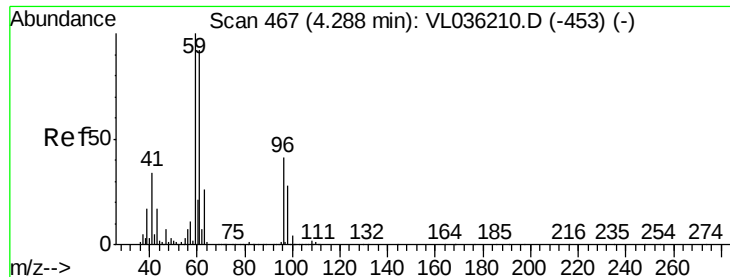
Tgt Ion: 39 Resp: 832104

Ion Ratio Lower Upper

39 100

54 79.5 62.5 93.7





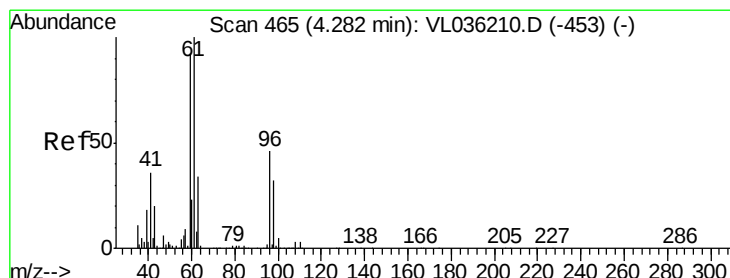
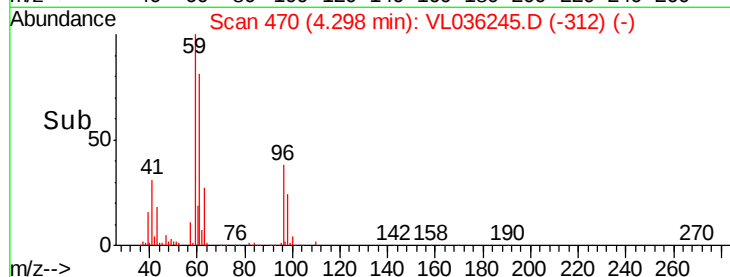
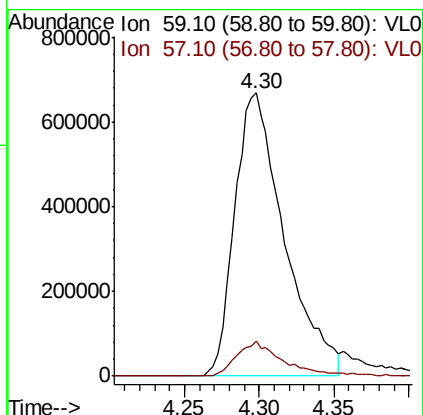
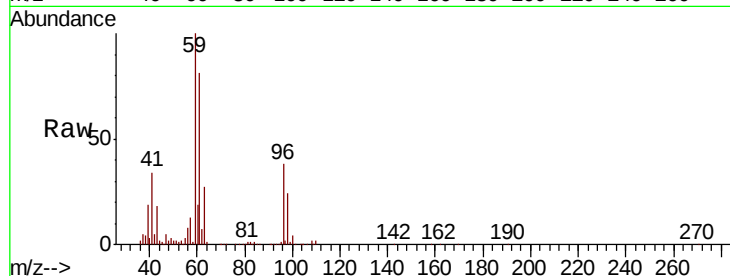
#17

tert-Butyl alcohol
 Concen: 10.123 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tot Ion: 59 Resp: 1538824

Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.2	13.8

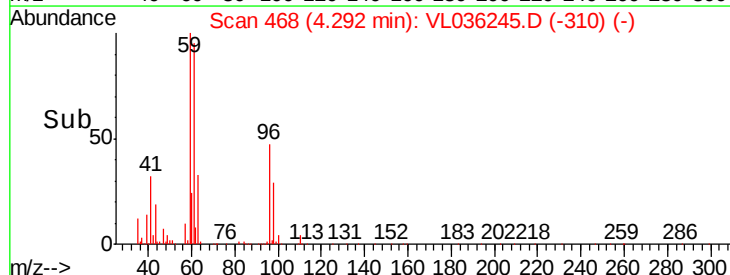
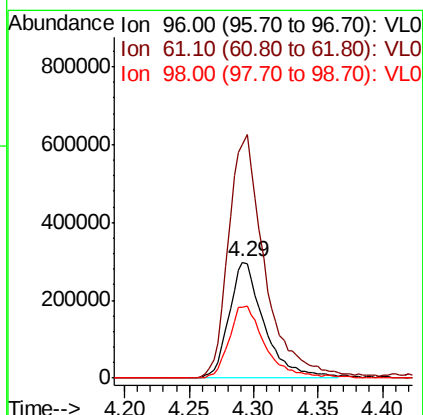
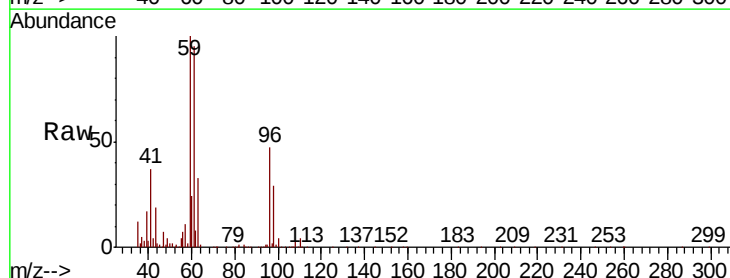


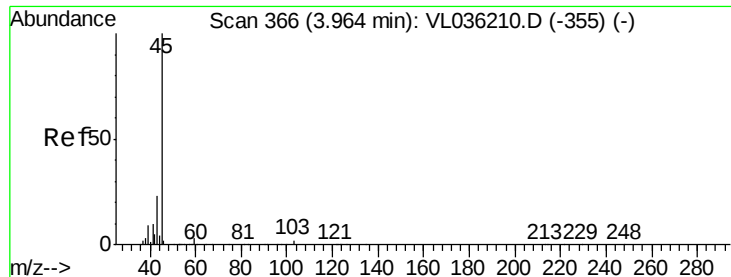
#18

1,1-Dichloroethene
 Concen: 9.782 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 96 Resp: 563598

Ion	Ratio	Lower	Upper
96	100		
61	201.2	173.4	260.0
98	61.1	54.9	82.3





#19

Isopropyl Alcohol

Concen: 10.544 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

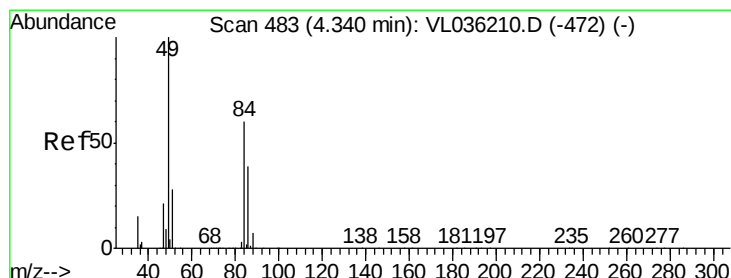
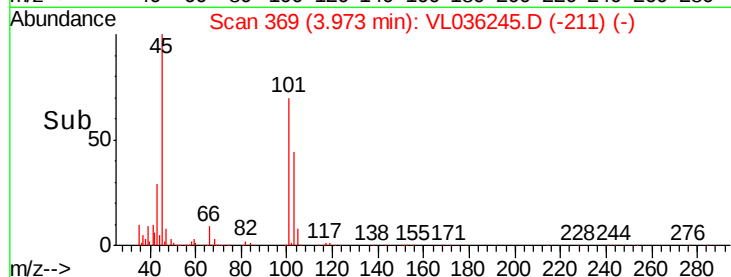
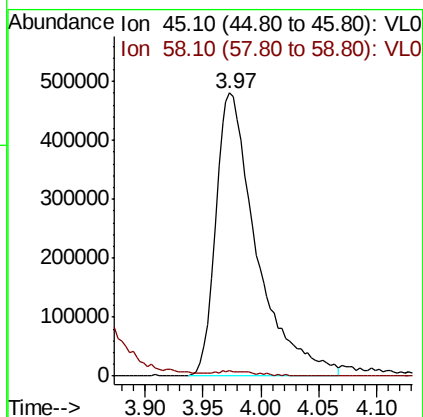
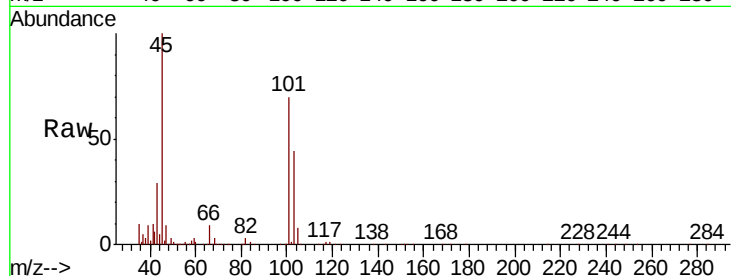
VL0120ABS01

Tot Ion: 45 Resp: 1171009

Ion Ratio Lower Upper

45 100

58 1.9 1.9 2.9#



#20

Methylene Chloride

Concen: 8.367 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Tgt Ion: 84 Resp: 491952

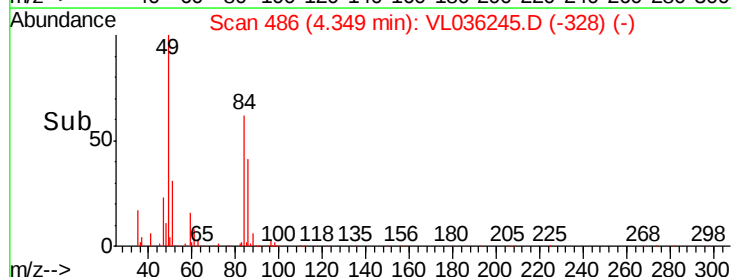
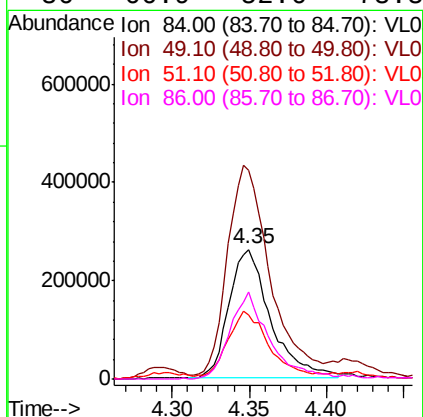
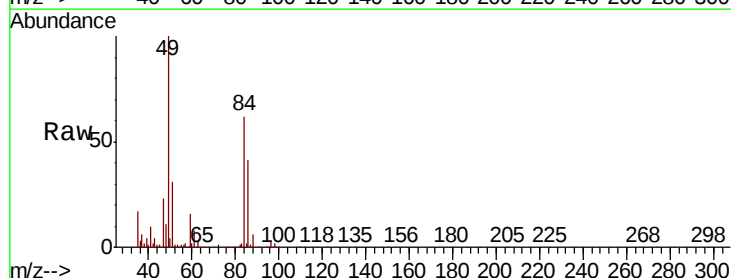
Ion Ratio Lower Upper

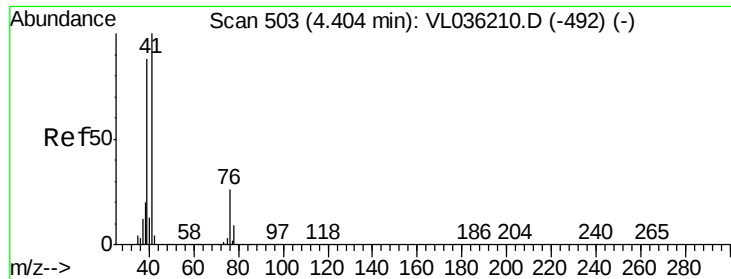
84 100

49 158.9 134.1 201.1

51 47.0 37.4 56.0

86 66.9 52.6 78.8





#21

Allvl Chloride

Concen: 9.504 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

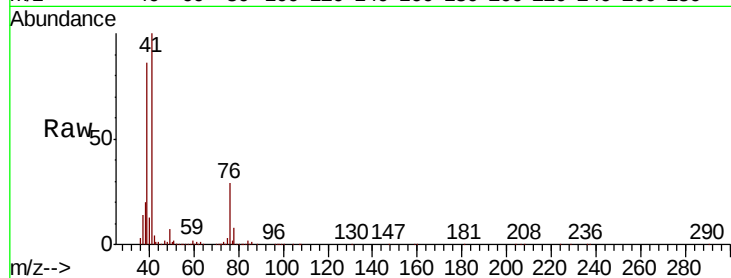
Tot Ion: 41 Resp: 953065

Ion Ratio Lower Upper

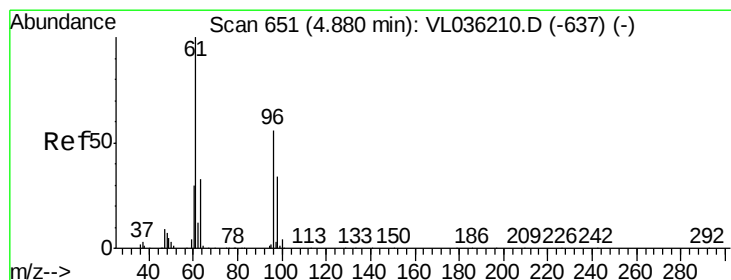
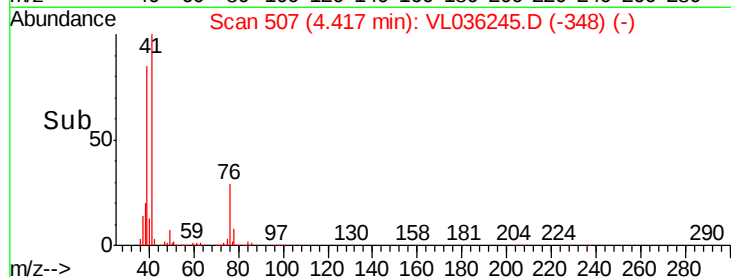
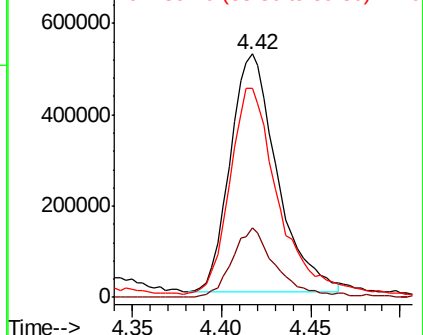
41 100

76 27.8 20.5 30.7

39 91.9 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: 9.964 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

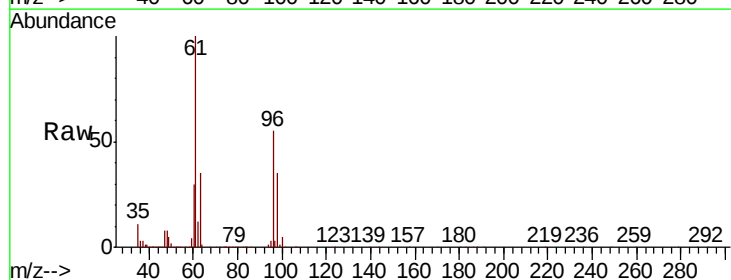
Tgt Ion: 96 Resp: 530389

Ion Ratio Lower Upper

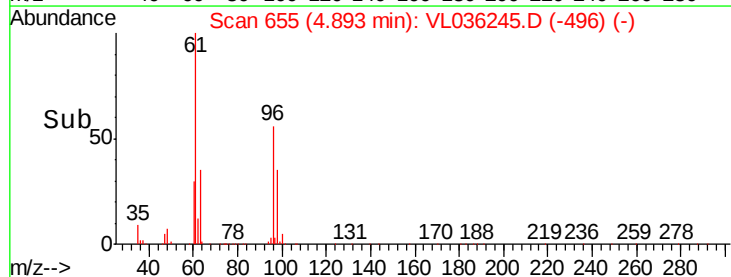
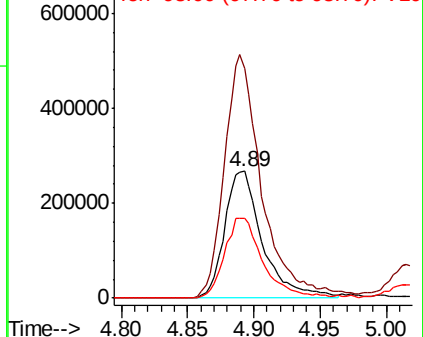
96 100

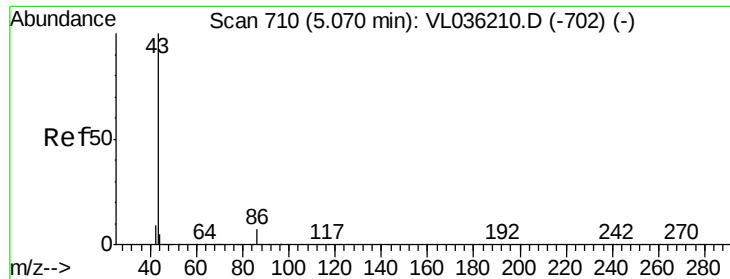
61 180.8 142.7 214.1

98 62.5 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



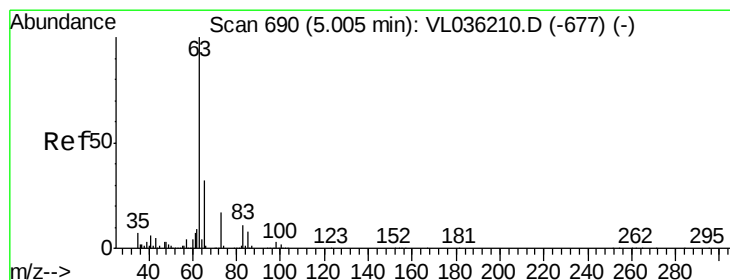
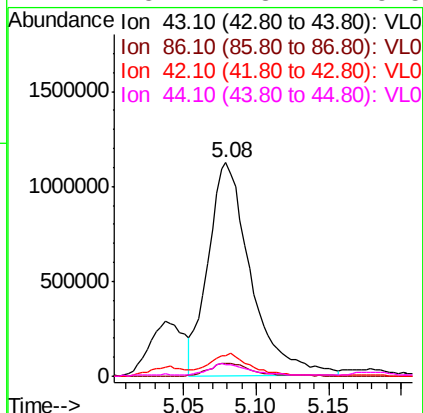
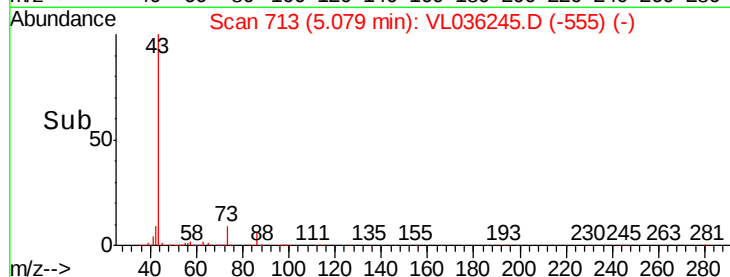
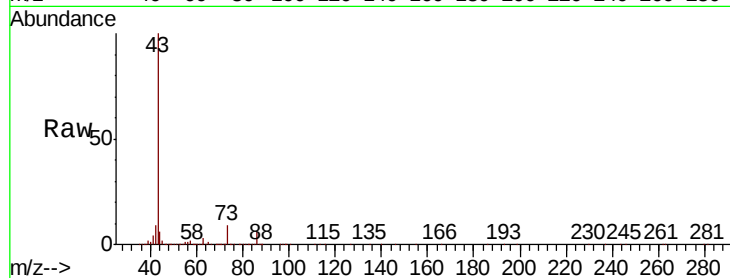


#23
 Vinyl Acetate
 Concen: 10.297 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tot Ion: 43 Resp: 2298549

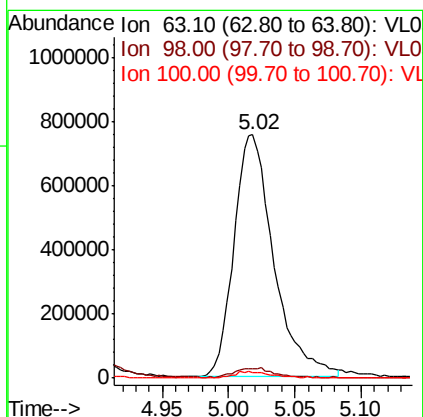
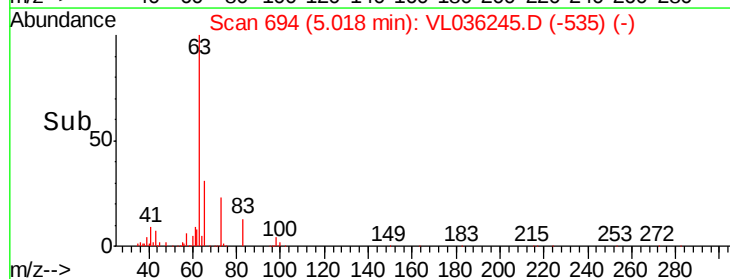
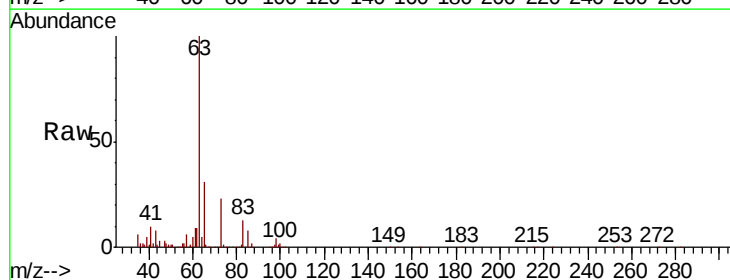
Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.9	7.3
42	9.4	7.8	11.6
44	5.1	3.7	5.5

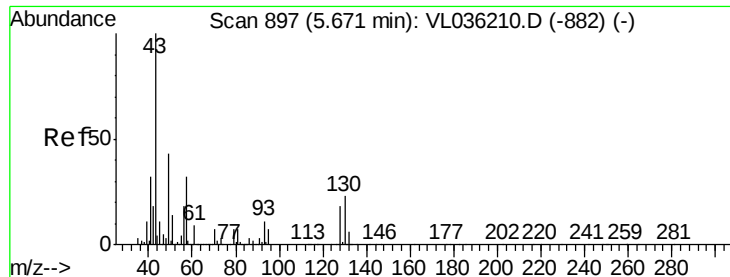


#24
 1,1-Dichloroethane
 Concen: 9.818 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 63 Resp: 1587605

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.7	5.1
100	2.0	1.1	3.1





#25

Ethyl Acetate

Concen: 9.299 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tot Ion: 43 Resp: 3439356

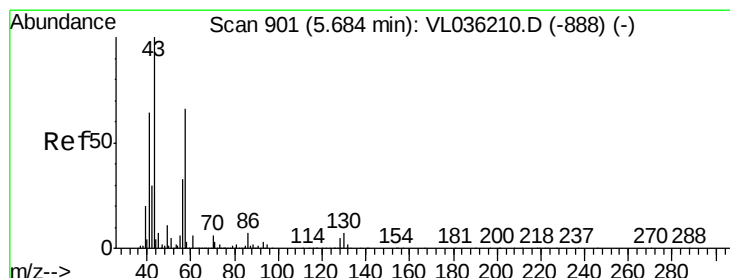
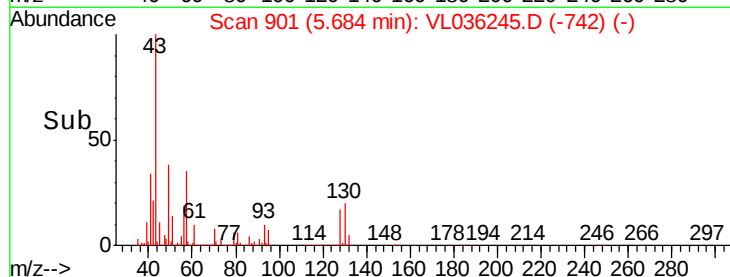
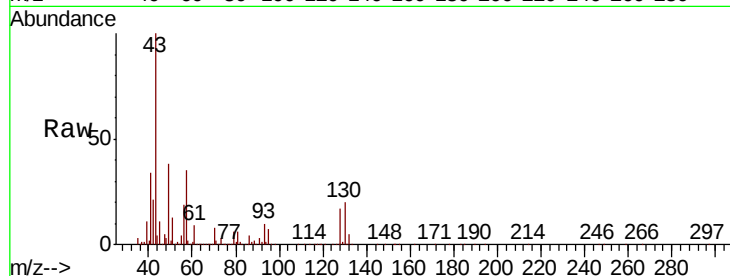
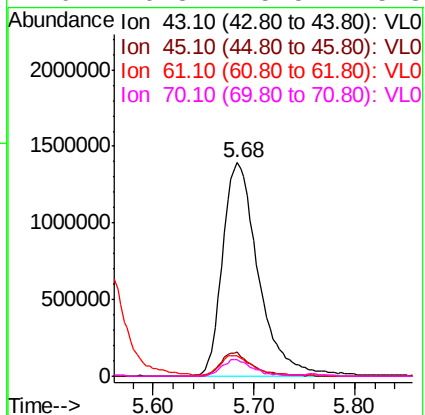
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.6	7.4	11.2
70	6.8	5.5	8.3

43 100

45 10.2 8.3 12.5

61 9.6 7.4 11.2

70 6.8 5.5 8.3



#26

Hexane

Concen: 9.020 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Tgt Ion: 57 Resp: 1388965

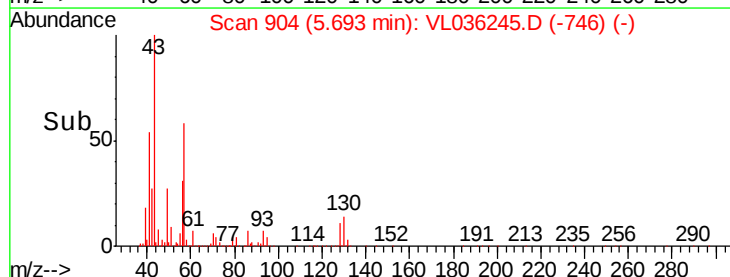
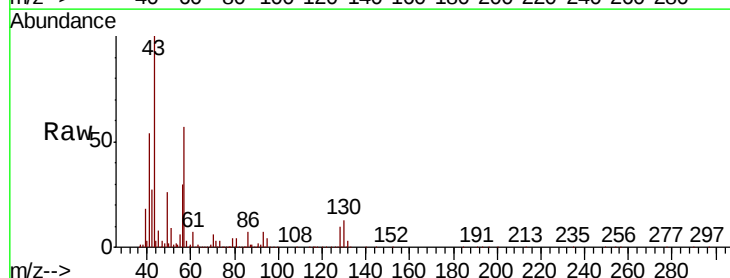
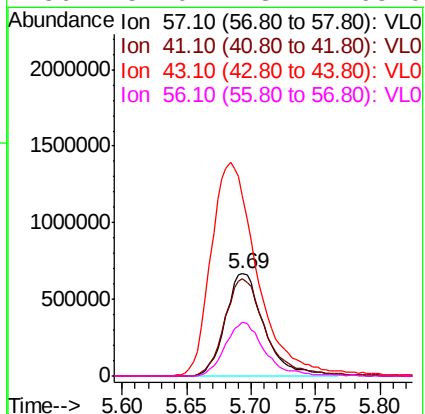
Ion	Ratio	Lower	Upper
57	100		
41	102.0	83.0	124.6
43	250.7	202.4	303.6
56	54.0	43.4	65.0

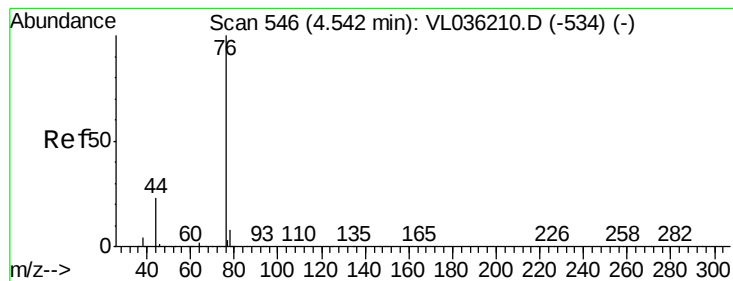
57 100

41 102.0 83.0 124.6

43 250.7 202.4 303.6

56 54.0 43.4 65.0





#27

Carbon Disulfide

Concen: 11.215 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

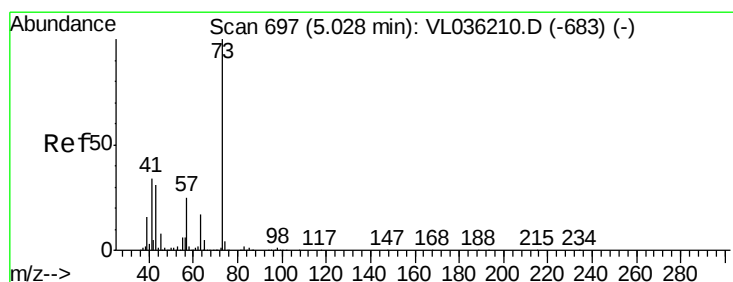
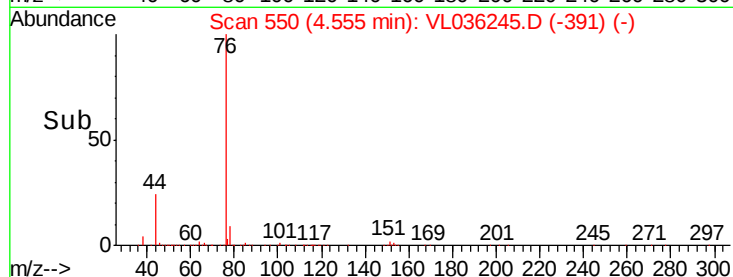
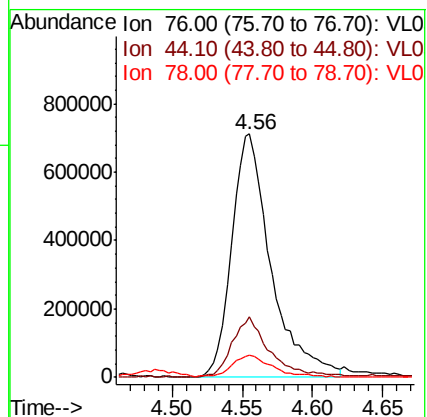
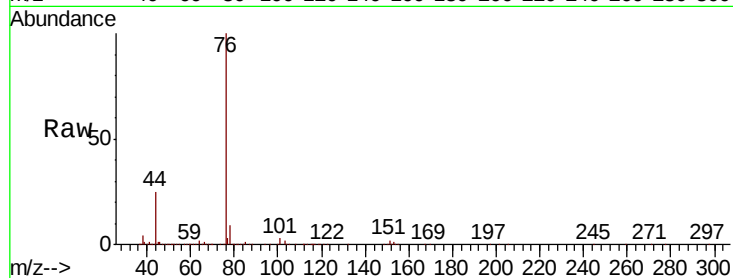
Tot Ion: 76 Resp: 1380858

Ion Ratio Lower Upper

76 100

44 23.4 19.0 28.6

78 9.9 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 9.335 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL036245.D

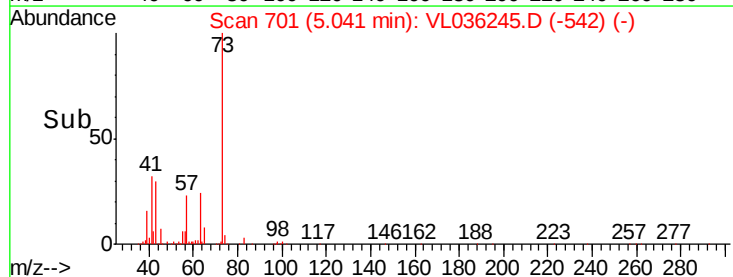
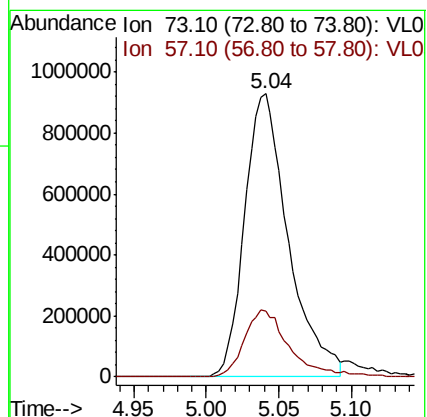
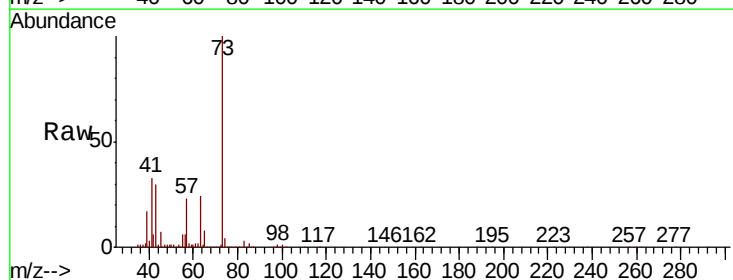
Acq: 20 Jan 2021 13:14

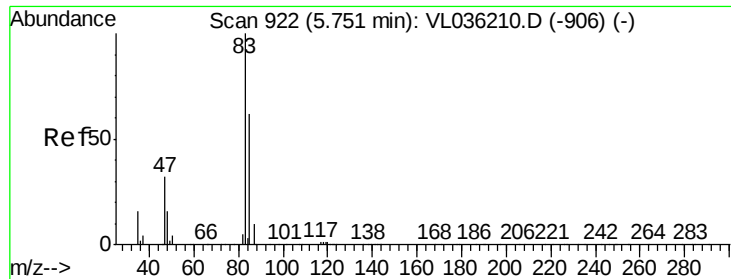
Tgt Ion: 73 Resp: 1944008

Ion Ratio Lower Upper

73 100

57 24.4 20.4 30.6





#29

Chloroform

Concen: 9.792 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

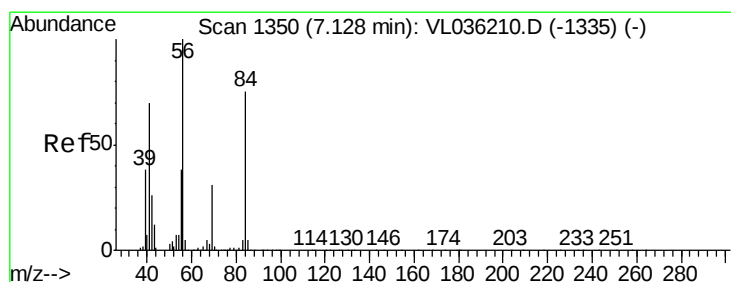
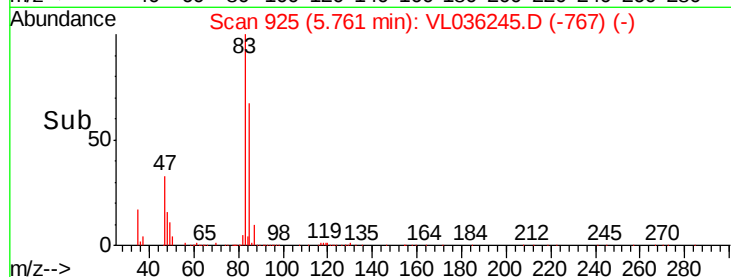
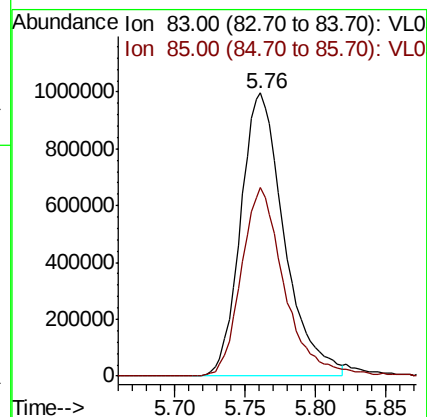
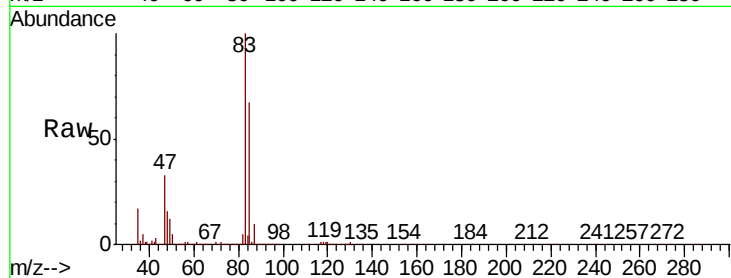
VL0120ABS01

Tot Ion: 83 Resp: 2158869

Ion Ratio Lower Upper

83 100

85 66.8 49.3 73.9



#30

Cyclohexane

Concen: 9.911 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

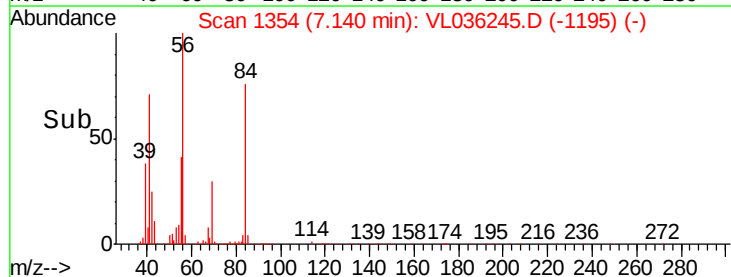
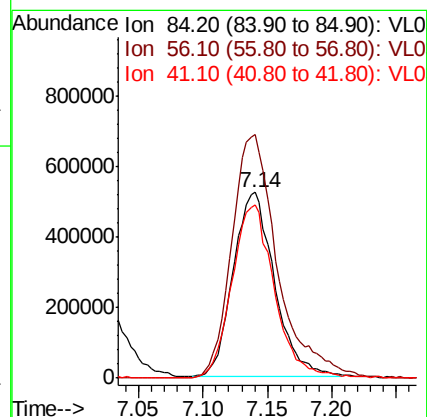
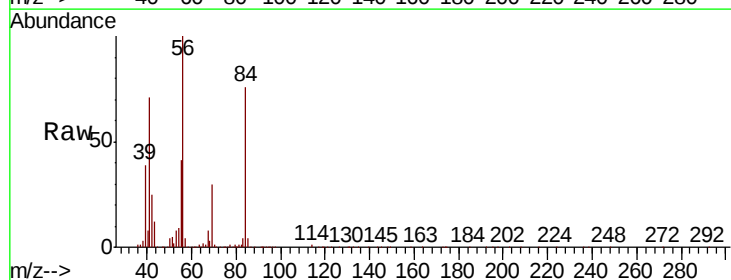
Tgt Ion: 84 Resp: 1166257

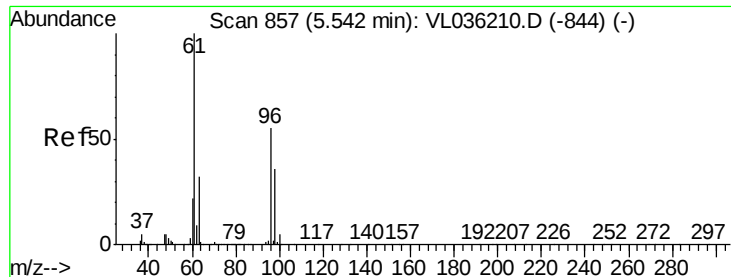
Ion Ratio Lower Upper

84 100

56 147.9 119.4 179.0

41 96.3 79.4 119.0



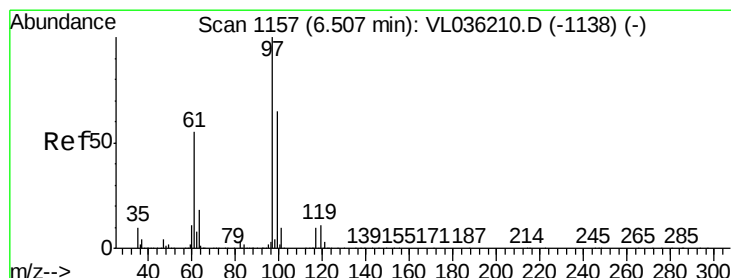
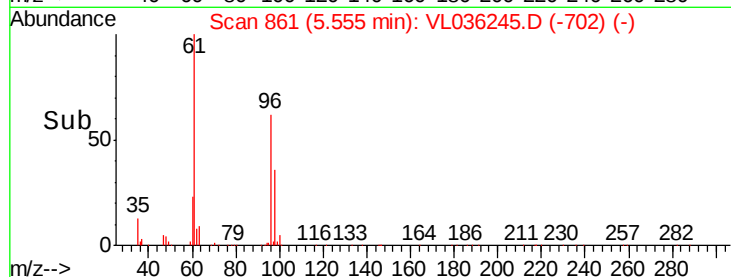
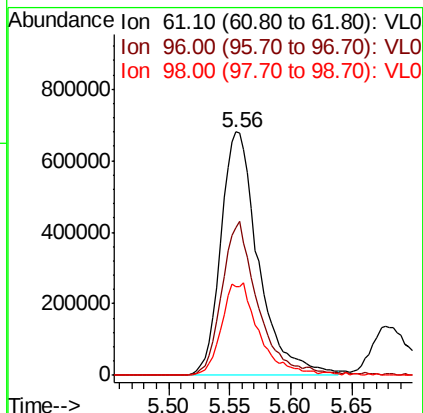
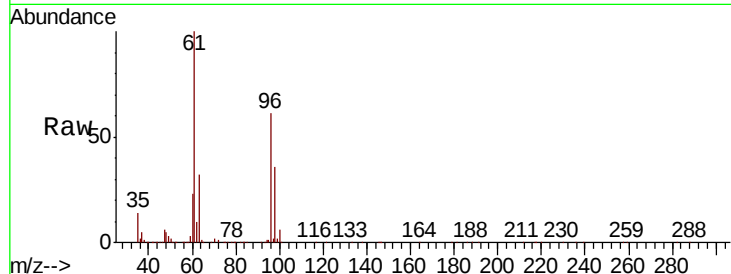


#31

cis-1,2-Dichloroethene
Concen: 9.878 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

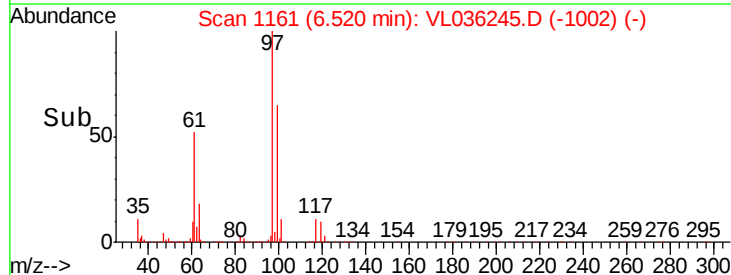
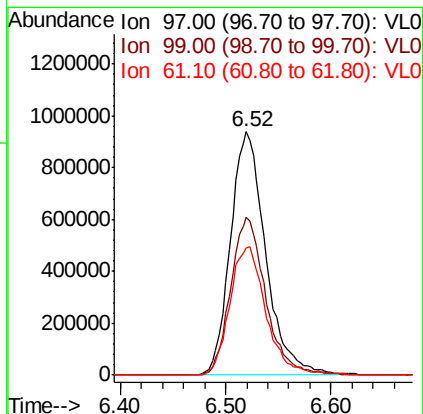
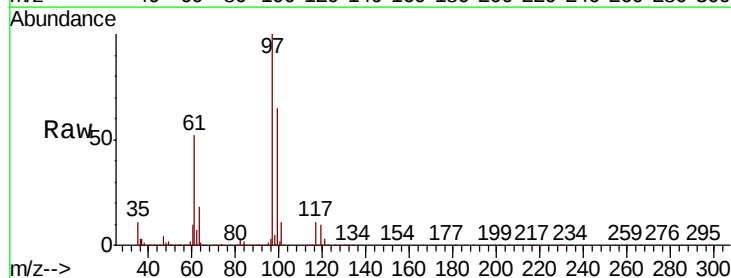
Tot Ion: 61 Resp: 1453903
Ion Ratio Lower Upper
61 100
96 60.5 44.1 66.1
98 36.4 28.6 42.8

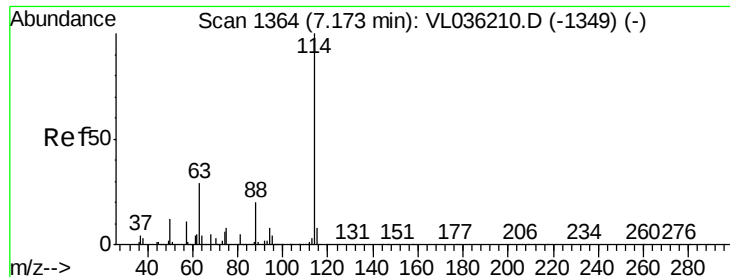


#32

1,1,1-Trichloroethane
Concen: 10.178 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 97 Resp: 2170294
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 54.4 43.6 65.4

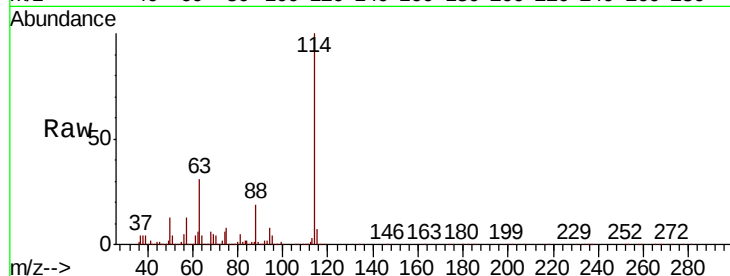




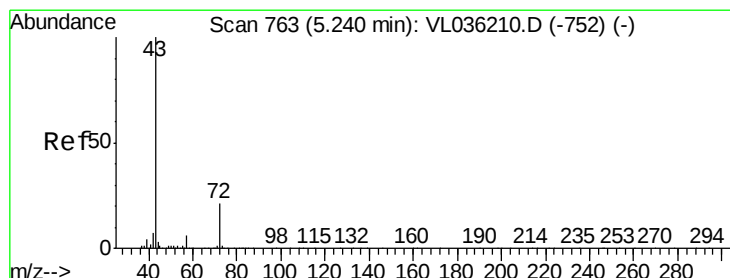
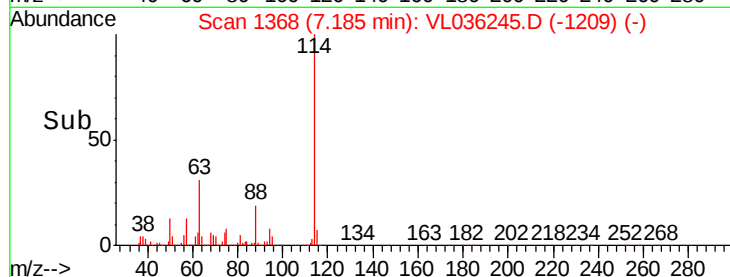
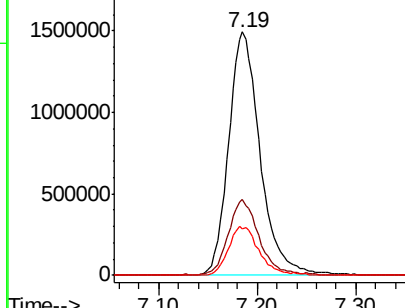
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tot Ion:114 Resp: 3331621
 Ion Ratio Lower Upper
 114 100
 63 30.9 24.7 37.1
 88 20.1 16.6 24.8

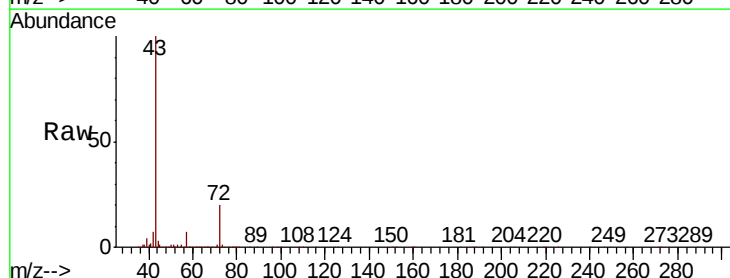


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

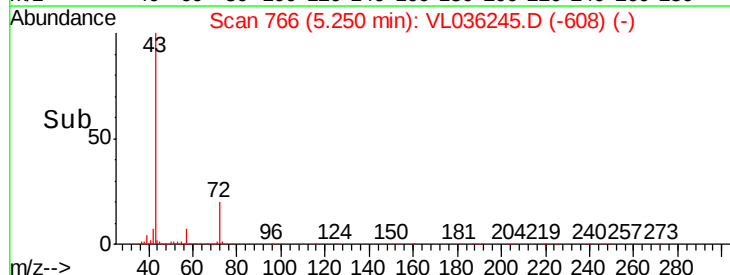
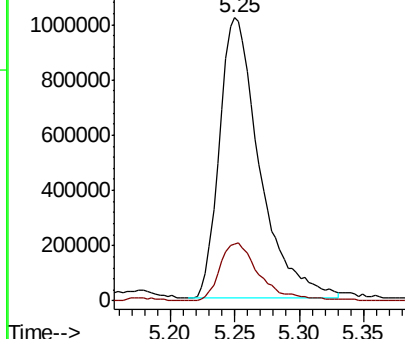


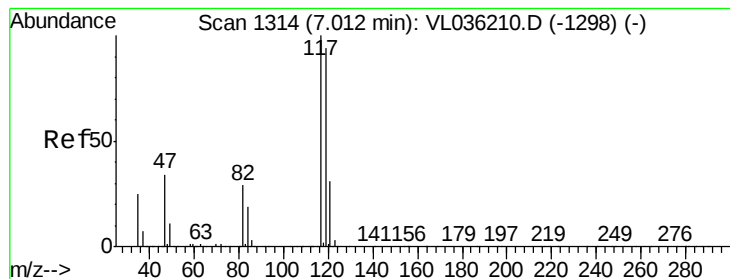
#34
 2-Butanone
 Concen: 8.997 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 43 Resp: 2207469
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.1 24.1



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





#35

Carbon Tetrachloride

Concen: 10.326 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

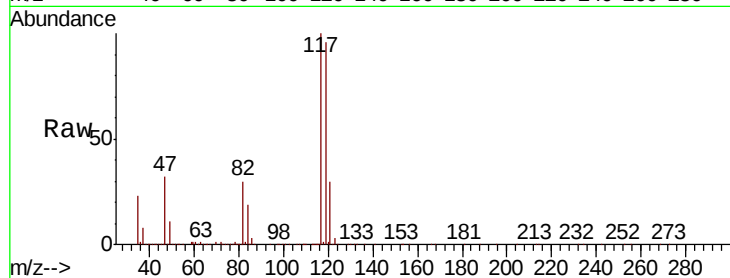
Tot Ion:117 Resp: 2173553

Ion Ratio Lower Upper

117 100

119 95.6 74.9 112.3

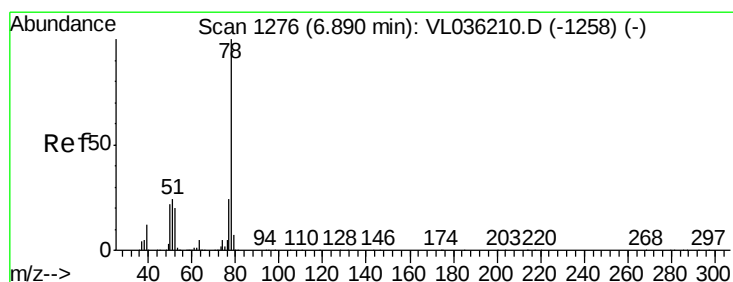
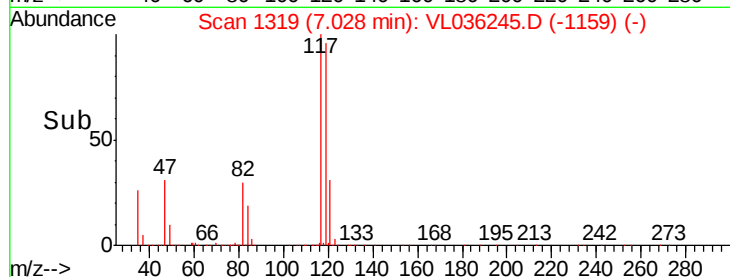
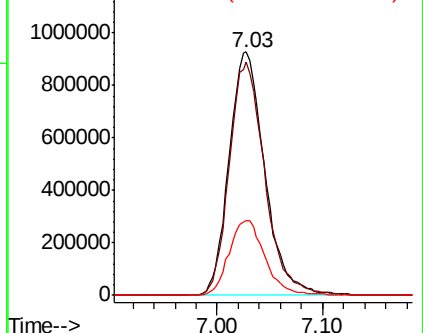
121 30.5 25.0 37.6



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: 9.518 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

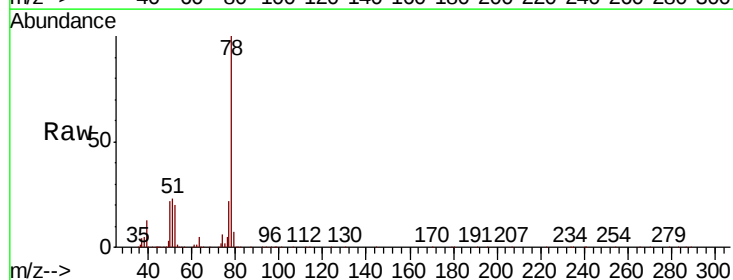
Tgt Ion: 78 Resp: 2905503

Ion Ratio Lower Upper

78 100

77 22.2 19.4 29.0

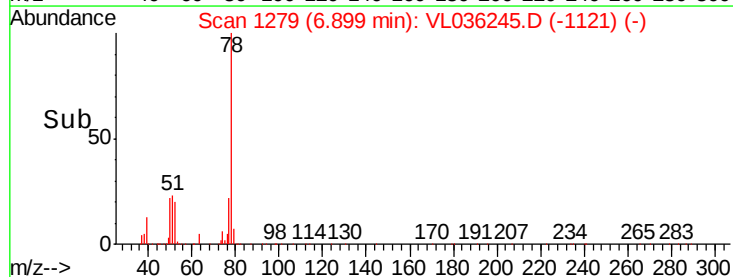
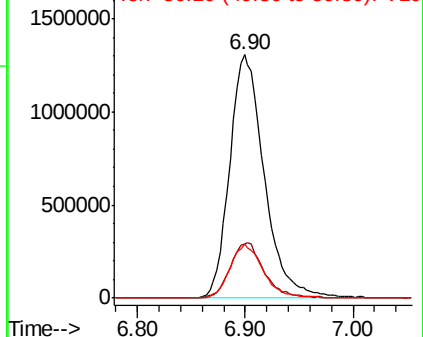
50 22.3 17.4 26.2

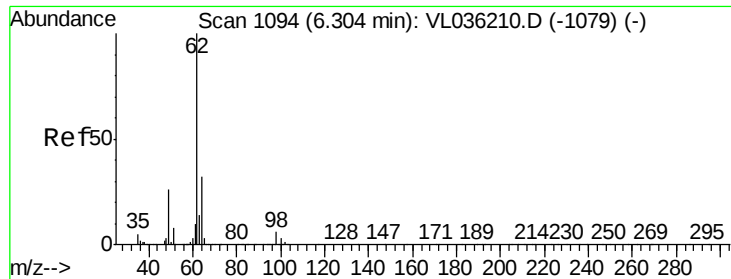


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

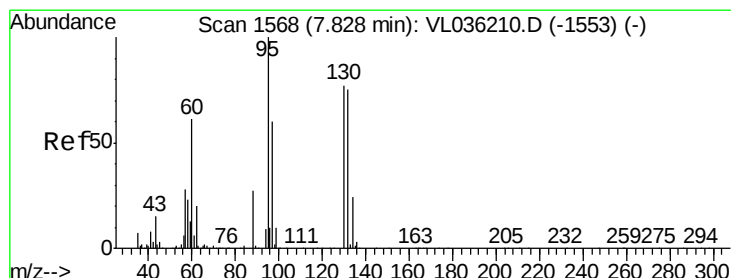
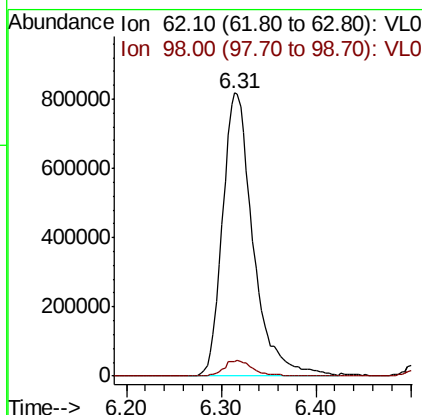
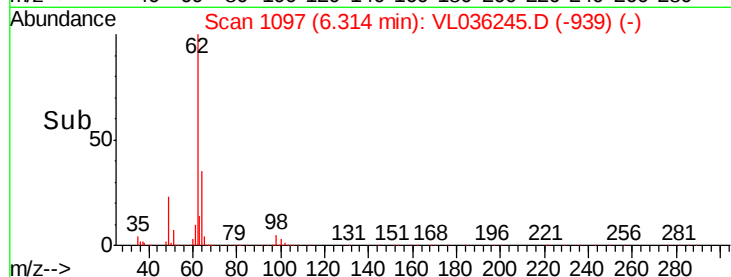
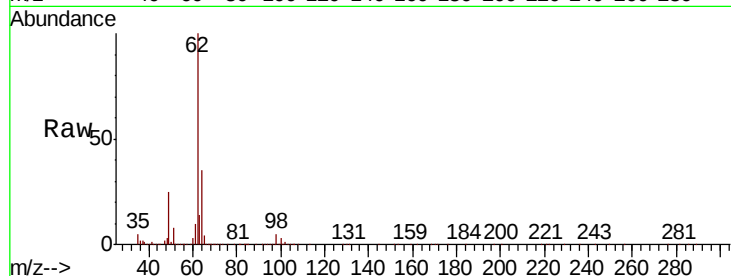




#37
 1,2-Dichloroethane
 Concen: 10.018 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

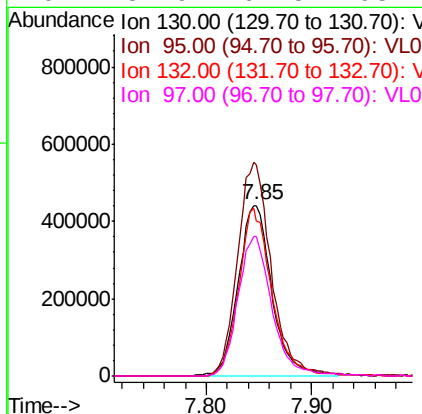
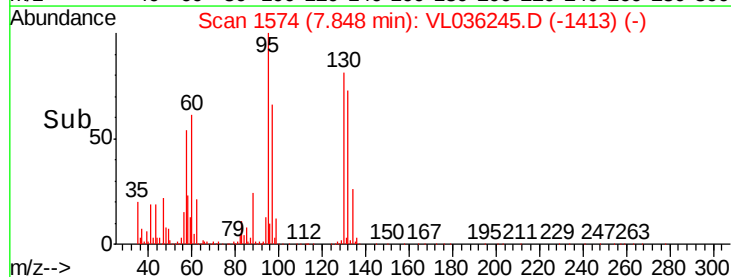
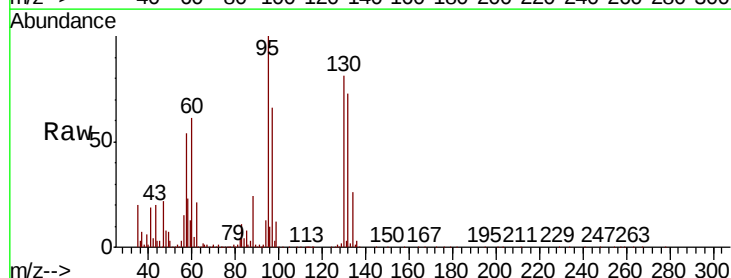
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

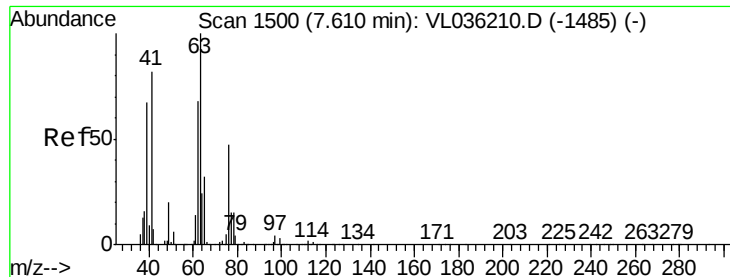
Tot Ion: 62 Resp: 1840194
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.4 6.6



#38
 Trichloroethene
 Concen: 8.623 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 130 Resp: 975007
 Ion Ratio Lower Upper
 130 100
 95 124.2 103.9 155.9
 132 90.4 77.4 116.2
 97 81.9 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.504 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

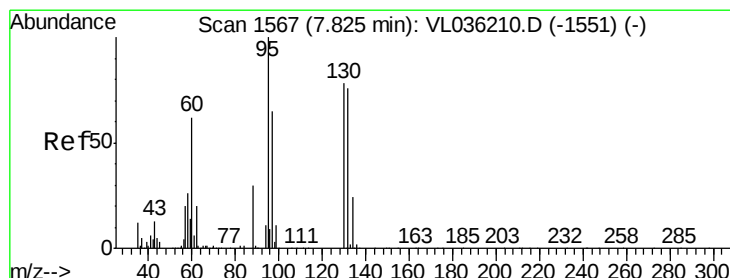
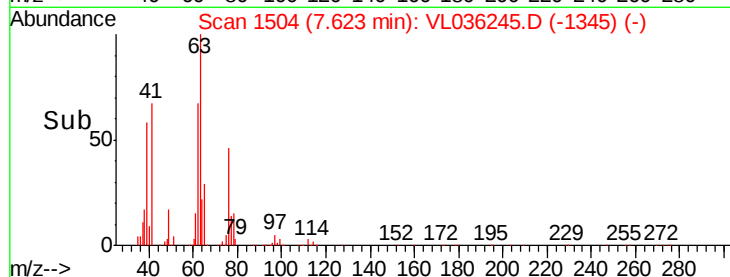
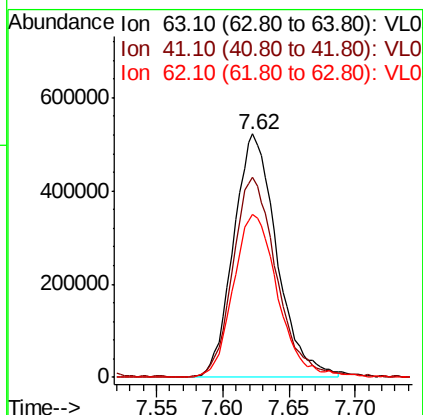
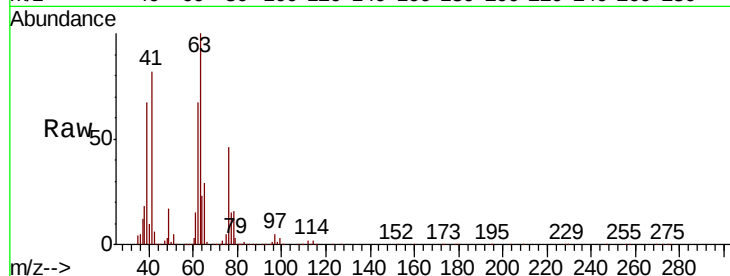
Tot Ion: 63 Resp: 1177908

Ion Ratio Lower Upper

63 100

41 82.2 66.1 99.1

62 66.7 54.8 82.2



#40

1,4-Dioxane

Concen: 8.730 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Tgt Ion: 88 Resp: 391403

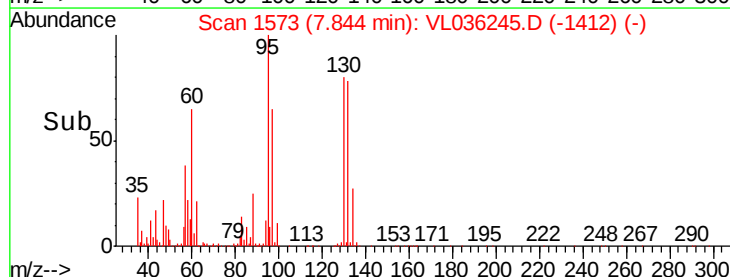
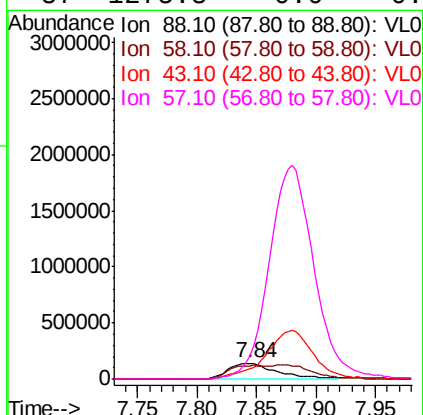
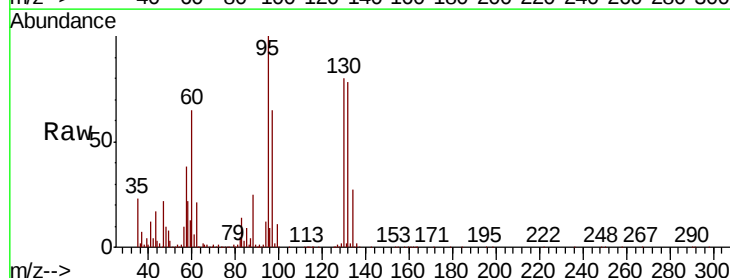
Ion Ratio Lower Upper

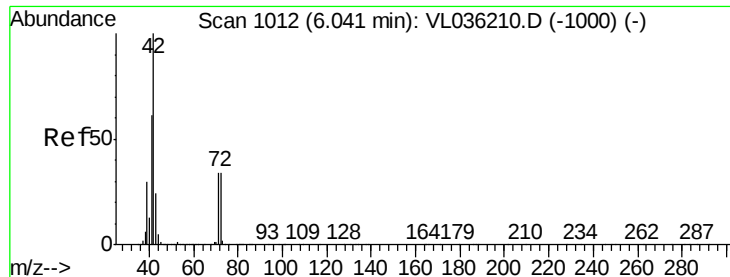
88 100

58 144.8 123.0 184.6

43 309.5 0.0 0.0#

57 1275.8 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.369 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

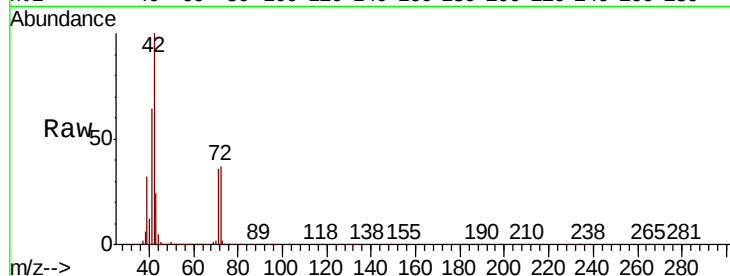
MSVOA_L

ClientSampleId :

VL0120ABS01

Tot Ion: 42 Resp: 1328404

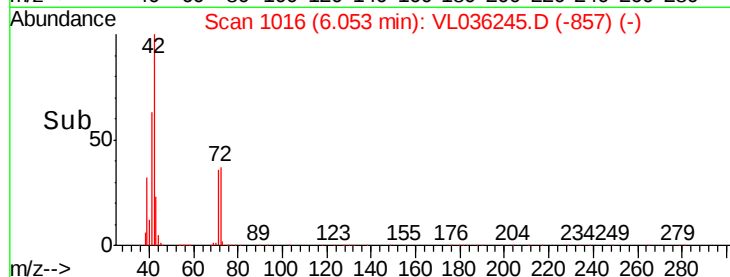
Ion	Ratio	Lower	Upper
42	100		
72	35.2	29.5	44.3
71	34.5	29.1	43.7



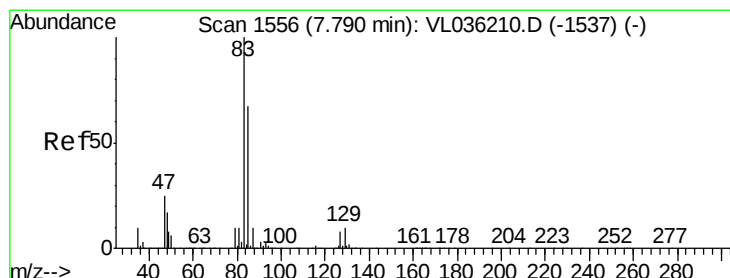
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



6.05



#42

Bromodichloromethane

Concen: 10.266 ppbv

RT: 7.80 min Scan# 1559

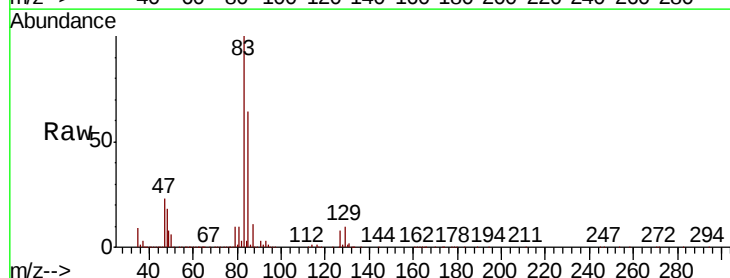
Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Tgt Ion: 83 Resp: 2370310

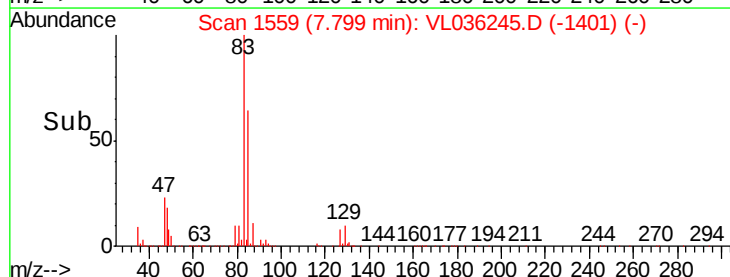
Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.4	80.2
127	8.0	6.2	9.2



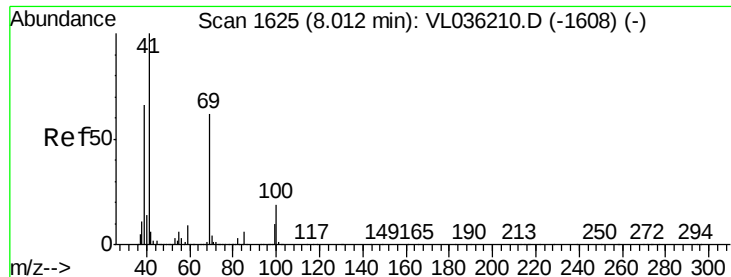
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



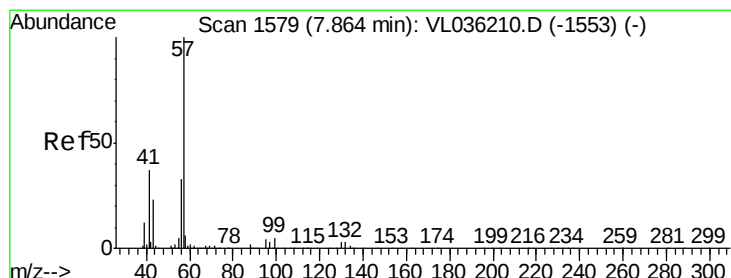
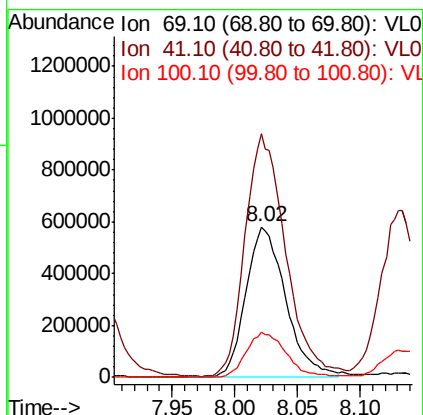
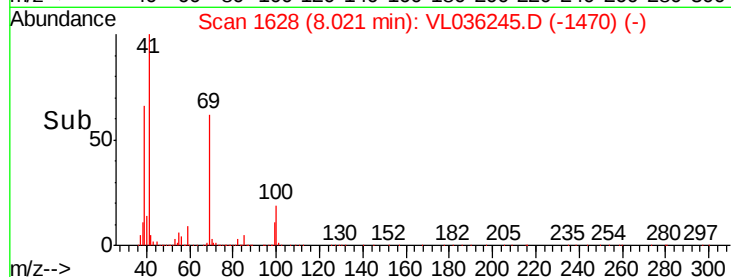
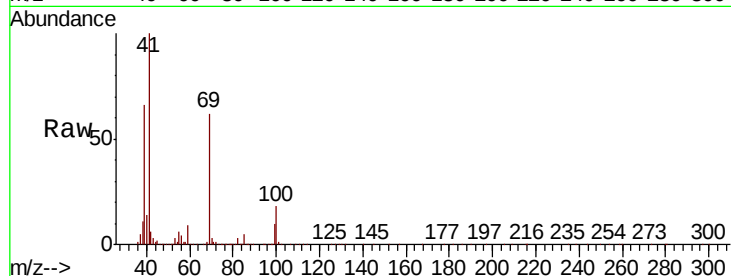
7.80



#43
Methvl Methacrilate
Concen: 9.890 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

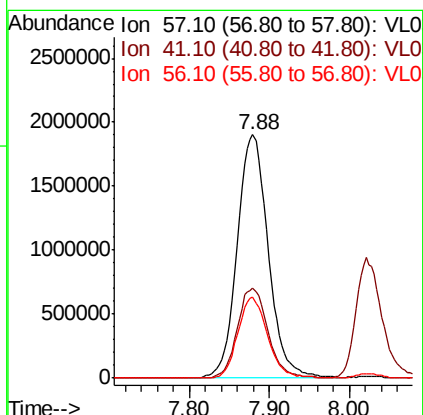
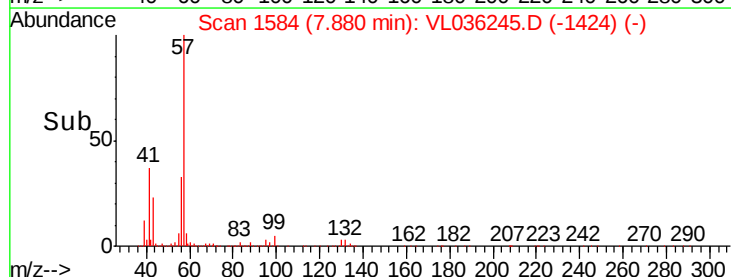
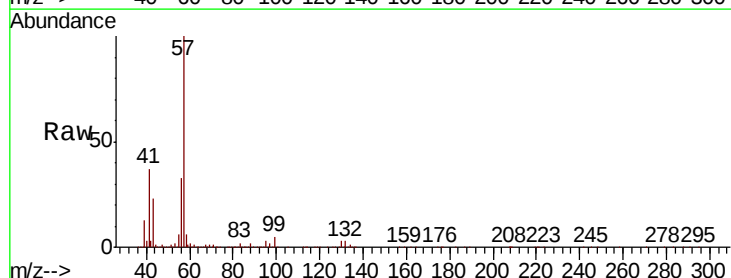
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

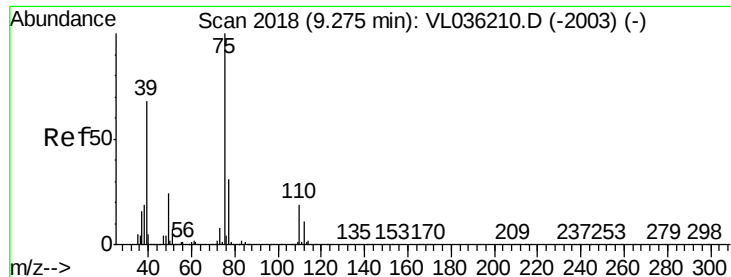
Tot Ion: 69 Resp: 1283010
Ion Ratio Lower Upper
69 100
41 164.7 133.4 200.2
100 30.1 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 8.895 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 57 Resp: 4987204
Ion Ratio Lower Upper
57 100
41 36.1 28.5 42.7
56 31.7 25.5 38.3

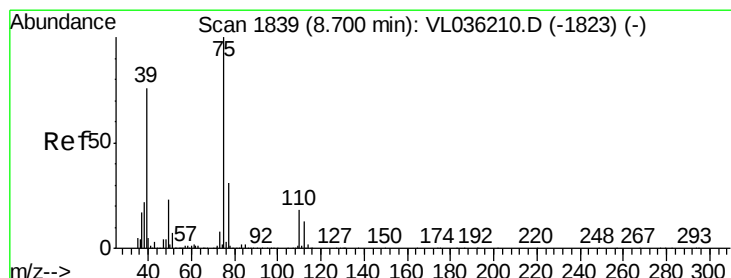
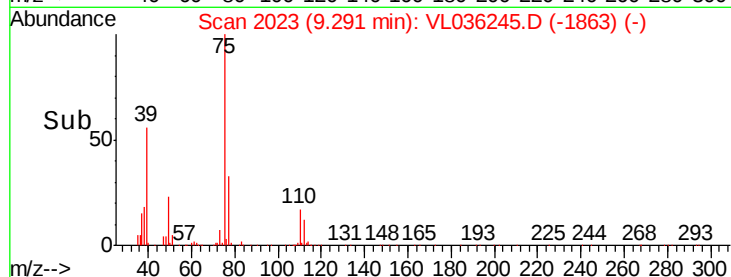
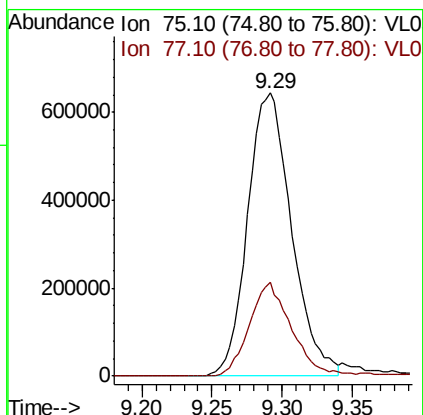
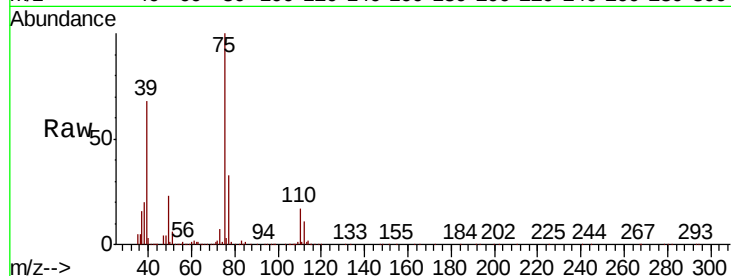




#45
t-1,3-Dichloropropene
Concen: 11.378 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

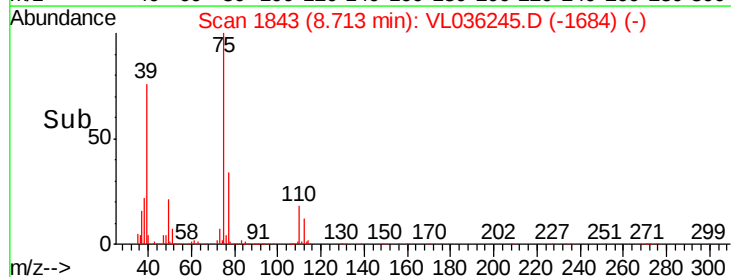
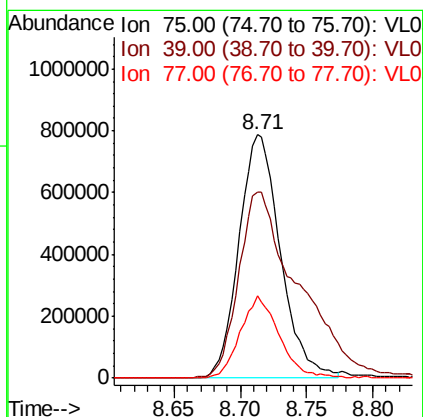
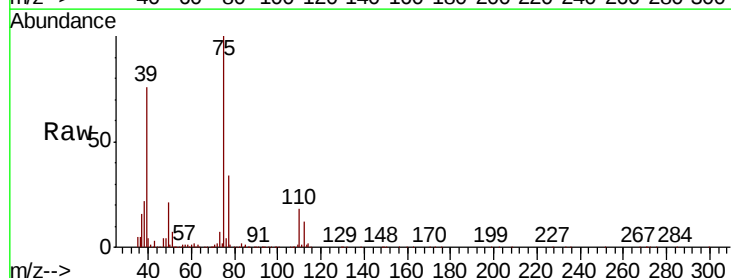
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

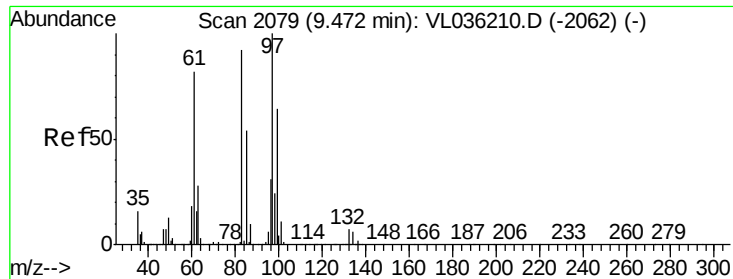
Tot Ion: 75 Resp: 1402035
Ion Ratio Lower Upper
75 100
77 33.0 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 10.818 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 75 Resp: 1713009
Ion Ratio Lower Upper
75 100
39 76.2 61.2 91.8
77 33.9 24.6 37.0



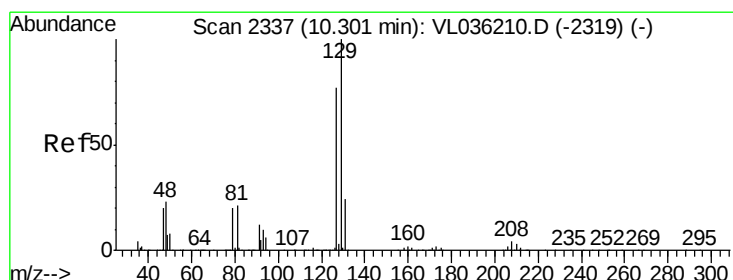
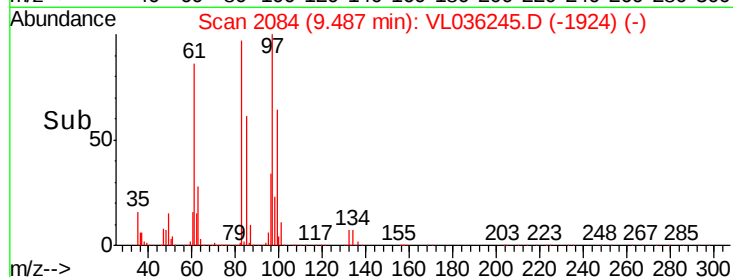
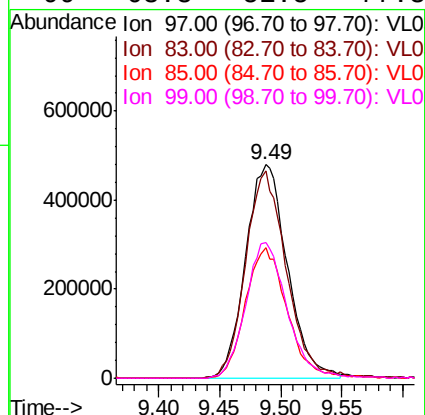
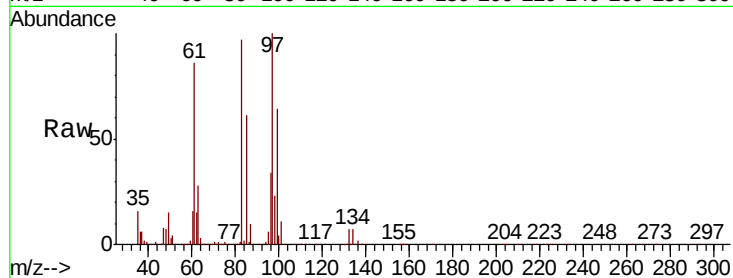


#47
 1,1,2-Trichloroethane
 Concen: 9.563 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tot Ion: 97 Resp: 1133927

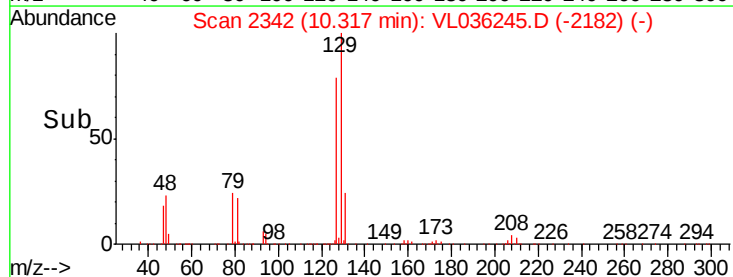
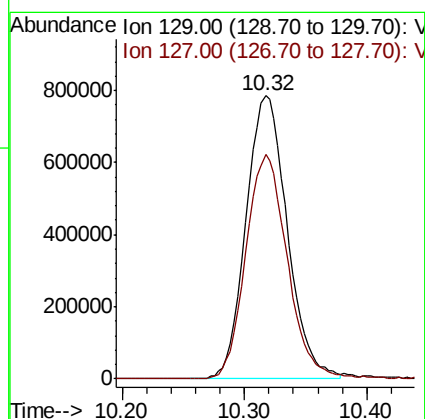
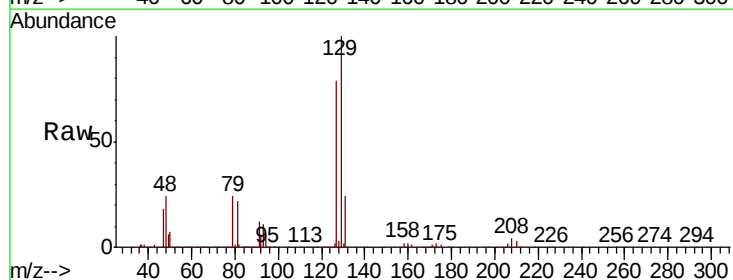
Ion	Ratio	Lower	Upper
97	100		
83	97.0	73.3	109.9
85	61.3	43.2	64.8
99	63.8	51.5	77.3

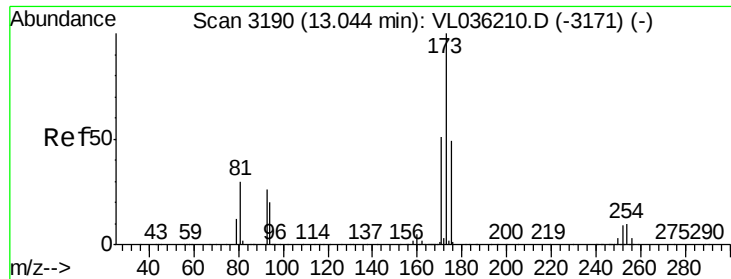


#48
 Dibromochloromethane
 Concen: 10.580 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 129 Resp: 1835320

Ion	Ratio	Lower	Upper
129	100		
127	80.6	39.6	118.8





#49

Bromoform

Concen: 10.615 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

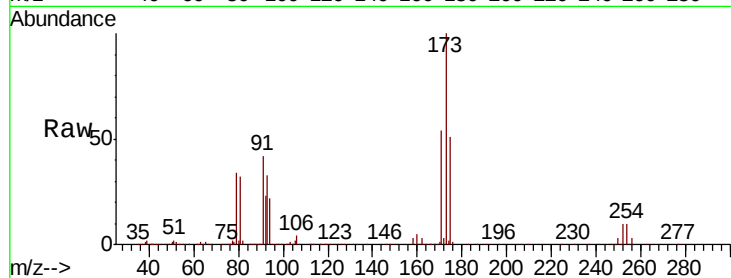
MSVOA_L

ClientSampleId :

VL0120ABS01

Tot Ion:173 Resp: 1537087

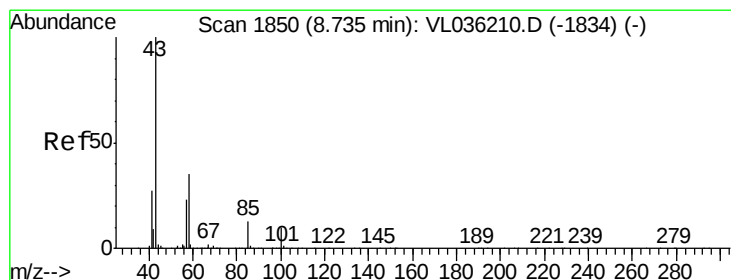
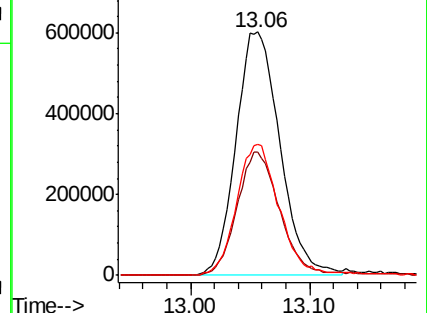
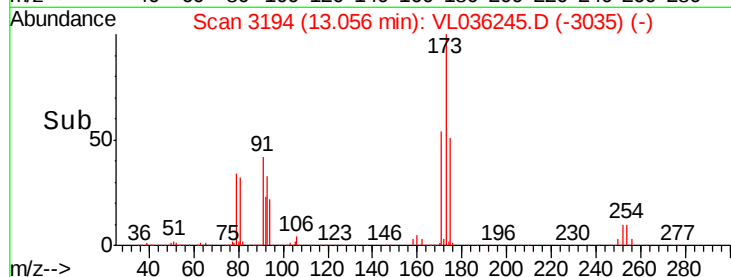
Ion	Ratio	Lower	Upper
173	100		
175	49.8	40.7	61.1
171	52.9	43.0	64.6



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: 9.291 ppbv

RT: 8.75 min Scan# 1854

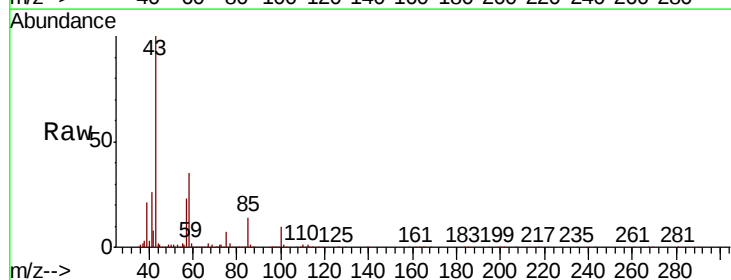
Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

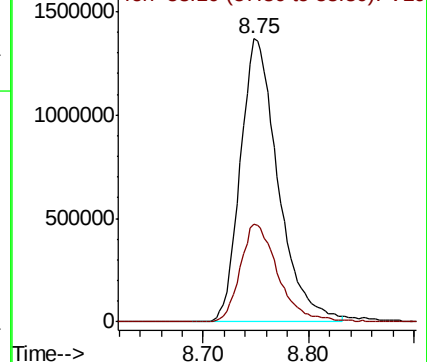
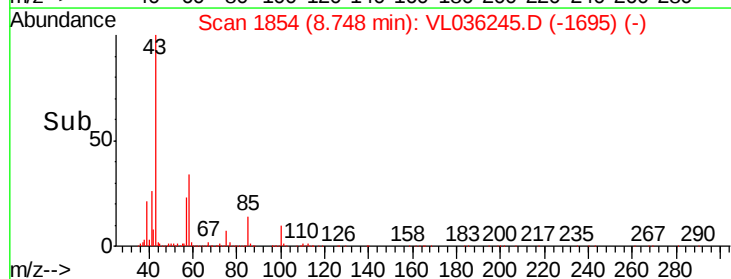
Tgt Ion: 43 Resp: 3399056

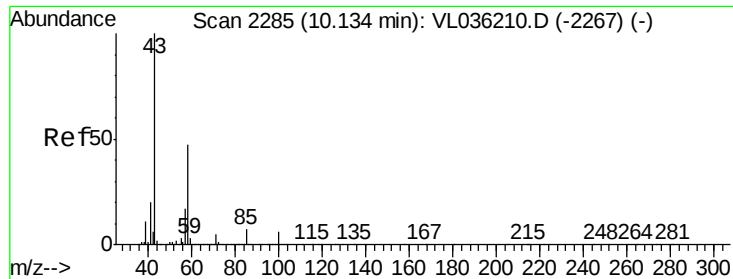
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

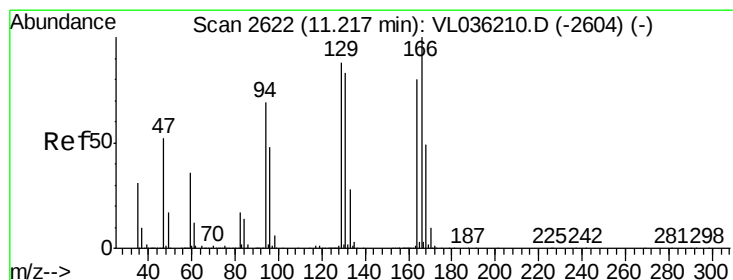
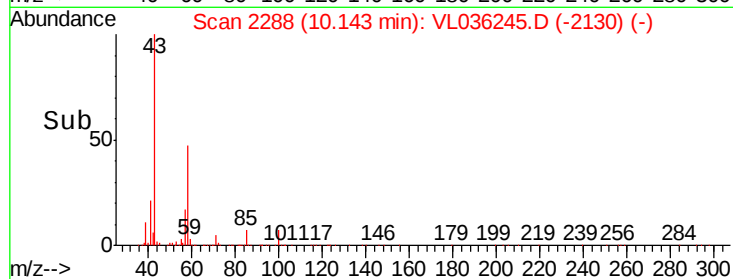
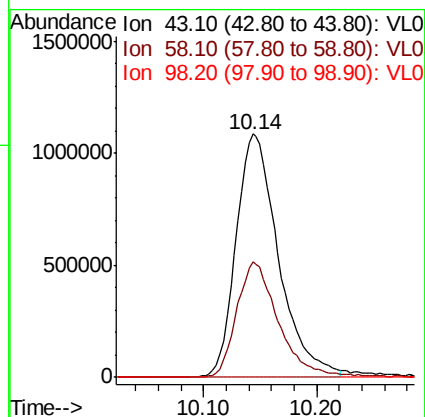
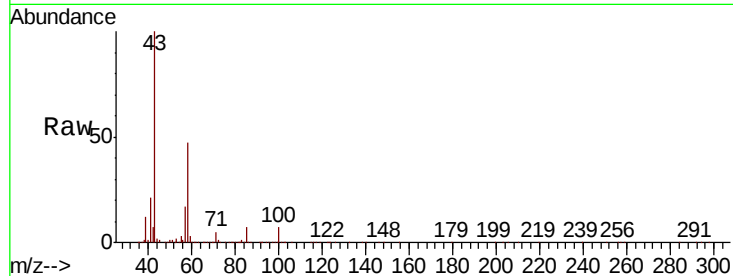




#51
2-Hexanone
Concen: 9.812 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

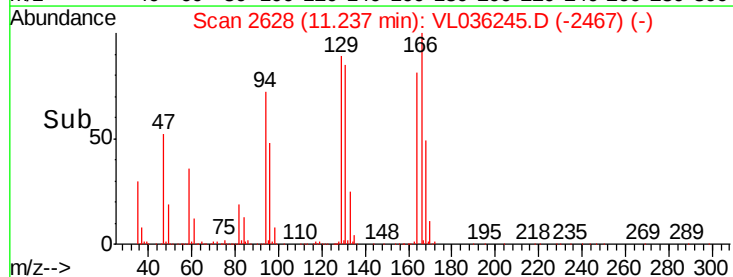
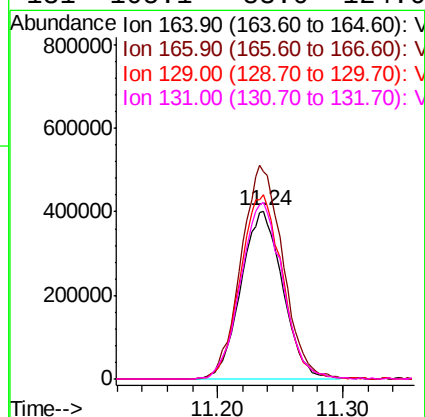
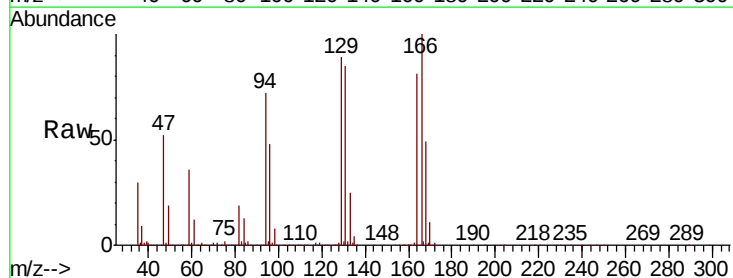
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

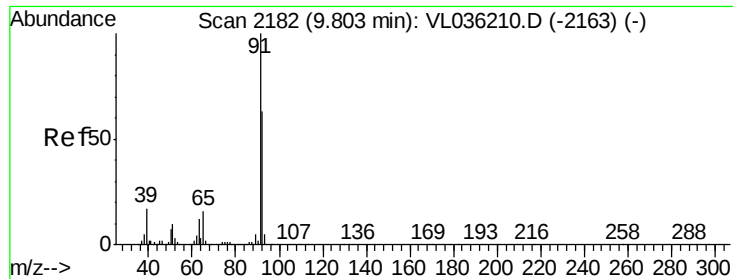
Tot Ion: 43 Resp: 2831903
Ion Ratio Lower Upper
43 100
58 47.6 37.4 56.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.237 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 164 Resp: 926542
Ion Ratio Lower Upper
164 100
166 123.5 99.9 149.9
129 109.9 88.2 132.4
131 105.1 83.0 124.6





#53

Toluene

Concen: 9.393 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

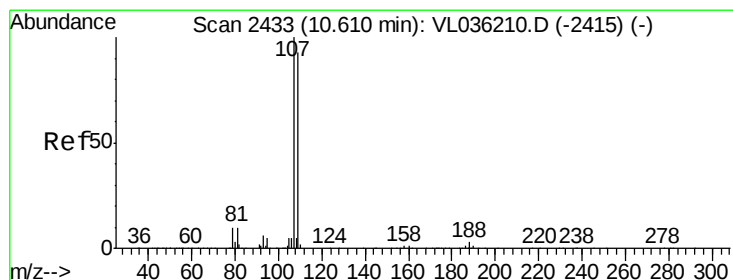
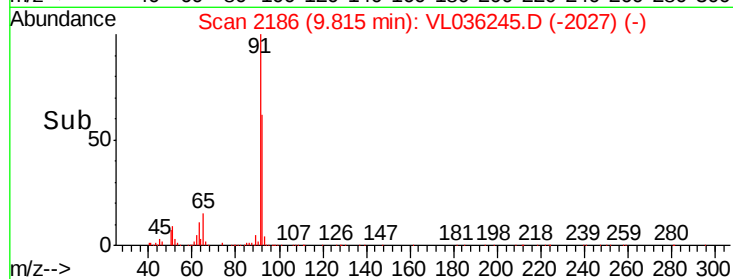
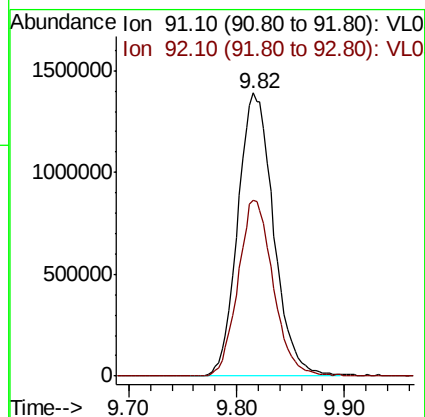
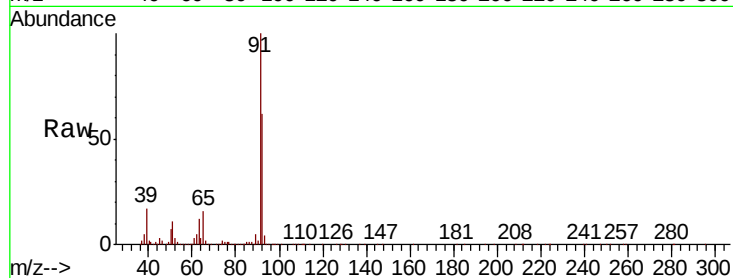
VL0120ABS01

Tot Ion: 91 Resp: 3207581

Ion Ratio Lower Upper

91 100

92 61.5 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.666 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL036245.D

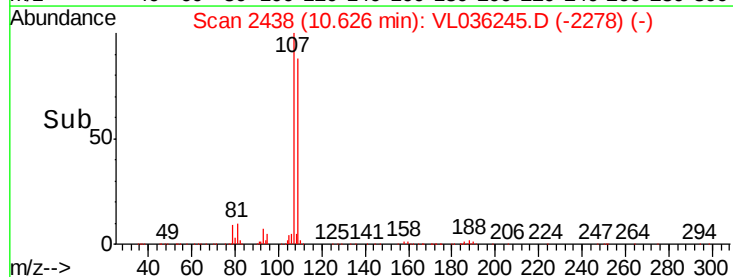
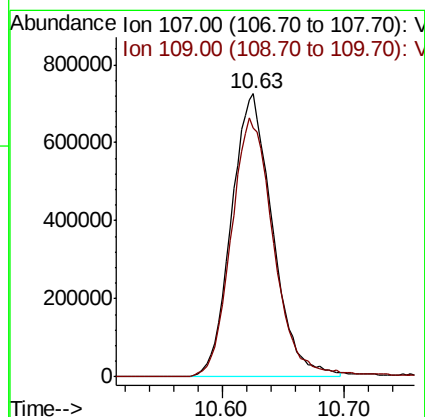
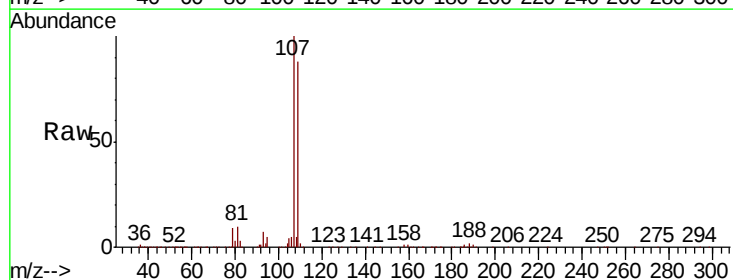
Acq: 20 Jan 2021 13:14

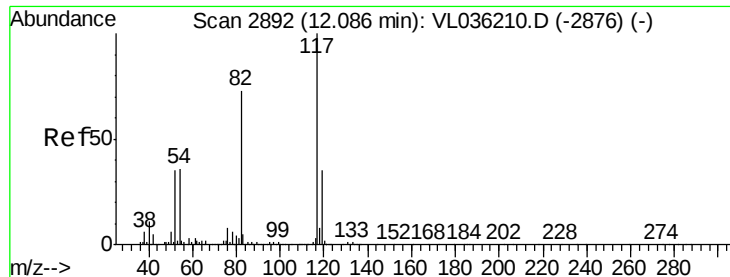
Tgt Ion: 107 Resp: 1698996

Ion Ratio Lower Upper

107 100

109 87.7 74.5 111.7

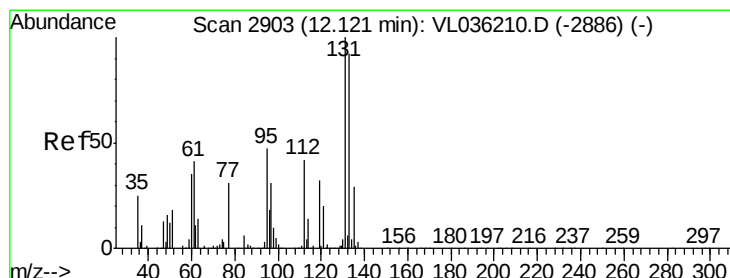
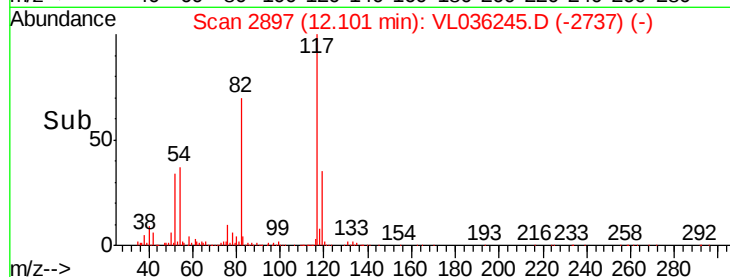
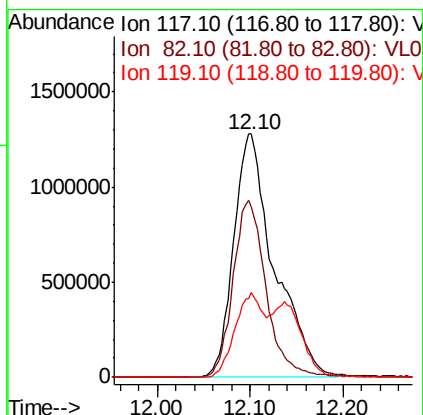
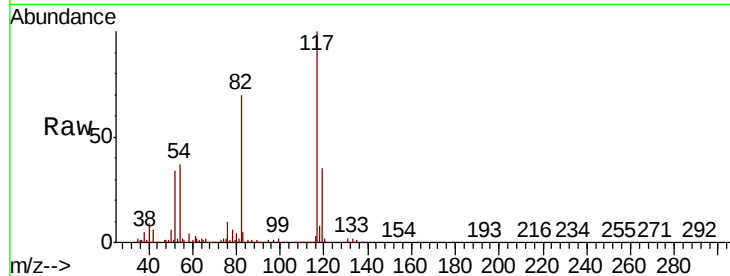




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

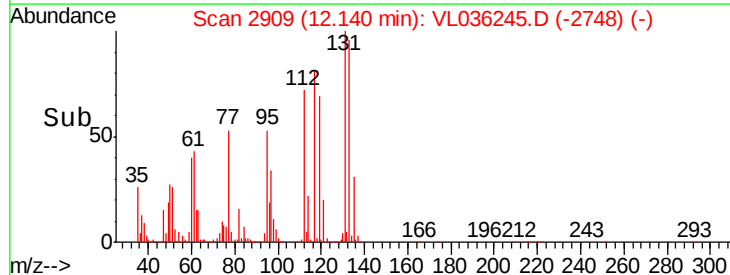
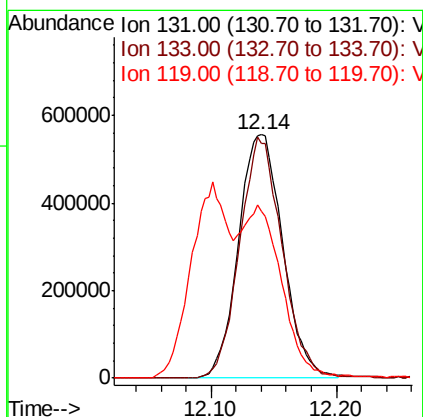
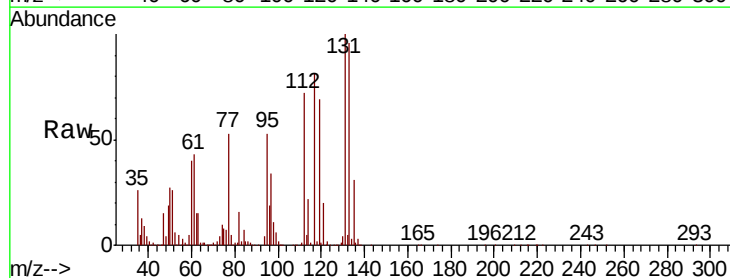
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

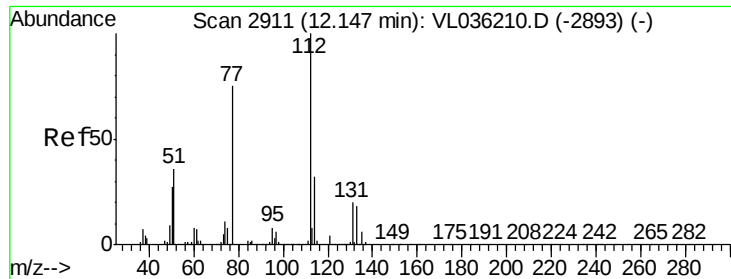
Tot Ion:117 Resp: 3896270
Ion Ratio Lower Upper
117 100
82 59.4 59.7 89.5#
119 24.0 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.803 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion:131 Resp: 1356732
Ion Ratio Lower Upper
131 100
133 96.1 76.5 114.7
119 67.3 45.4 68.0

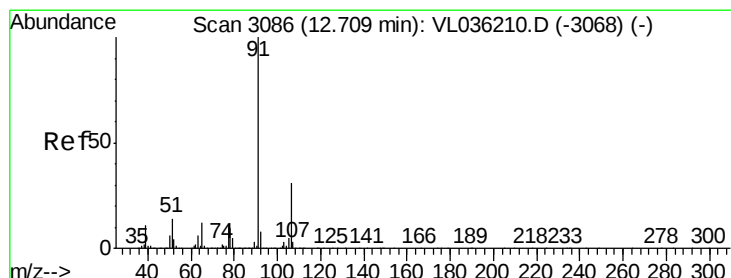
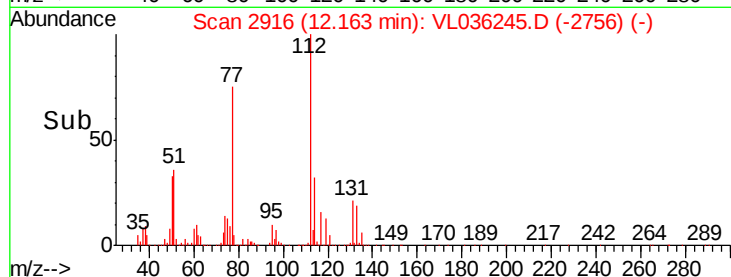
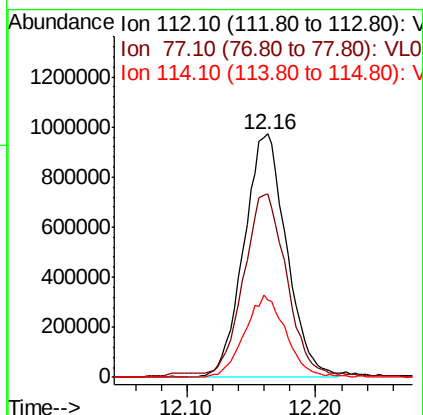
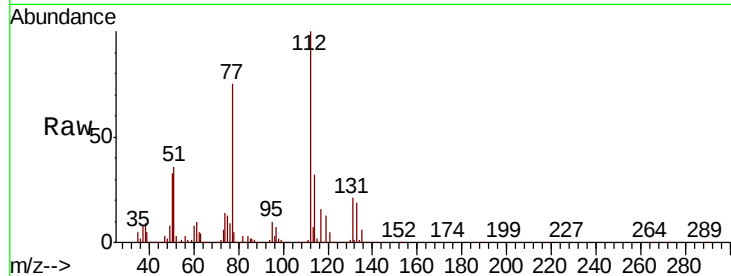




#57
Chlorobenzene
Concen: 7.331 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

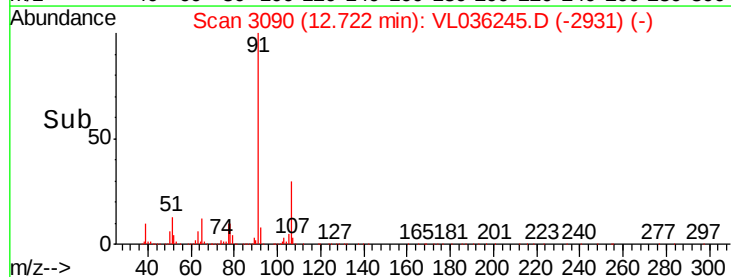
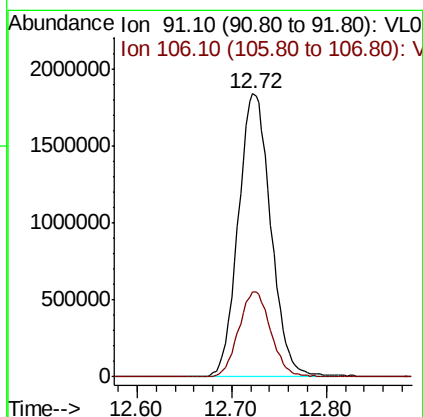
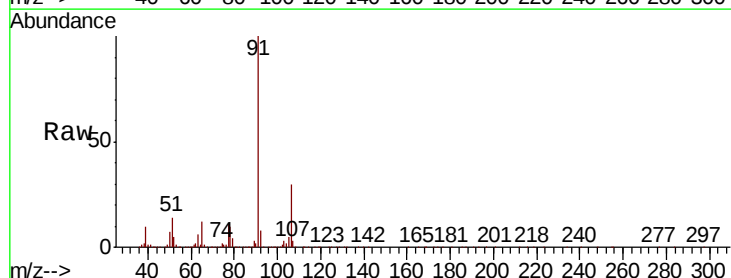
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

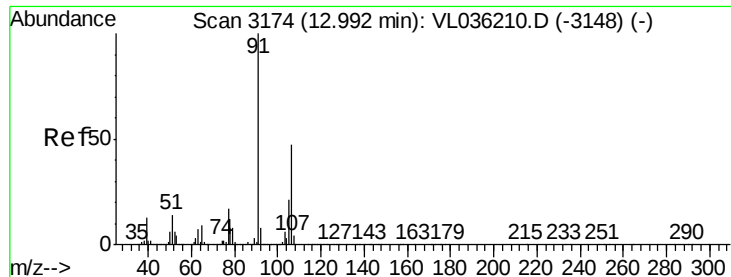
Tot Ion: 112 Resp: 2241008
Ion Ratio Lower Upper
112 100
77 74.0 59.6 89.4
114 31.7 28.7 35.1



#58
Ethyl Benzene
Concen: 7.601 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.01 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 91 Resp: 4394773
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2

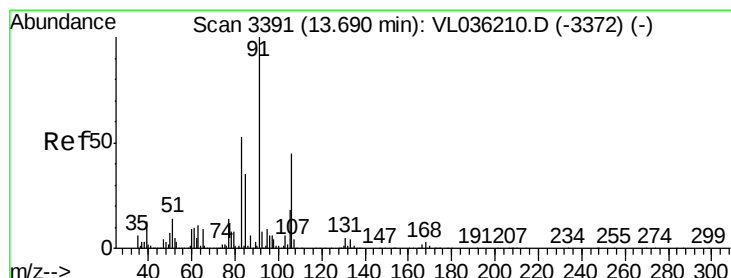
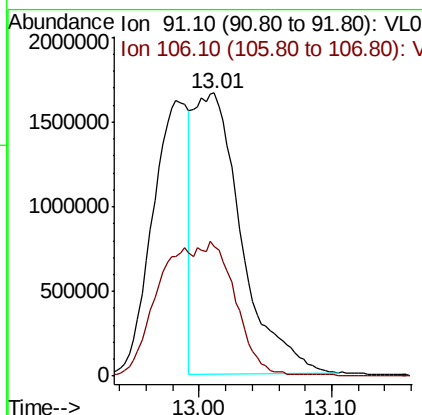
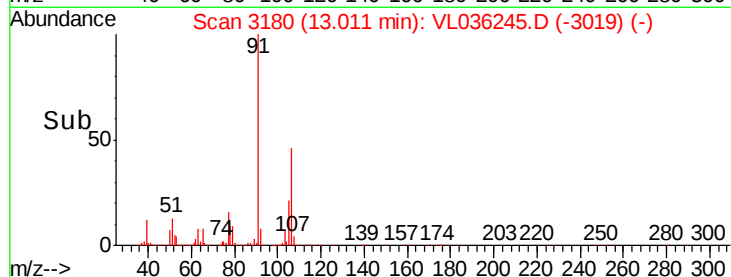
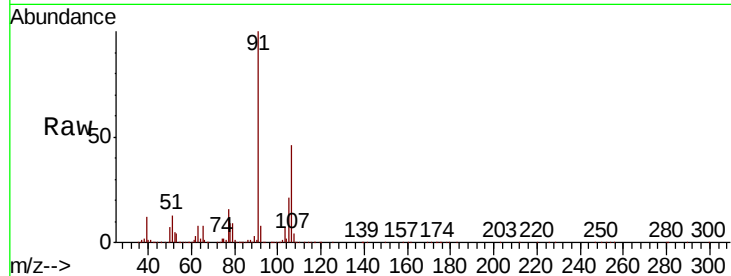




#59
m/p-Xylene
Concen: 8.345 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

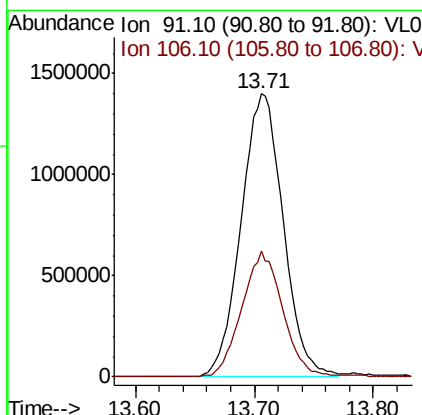
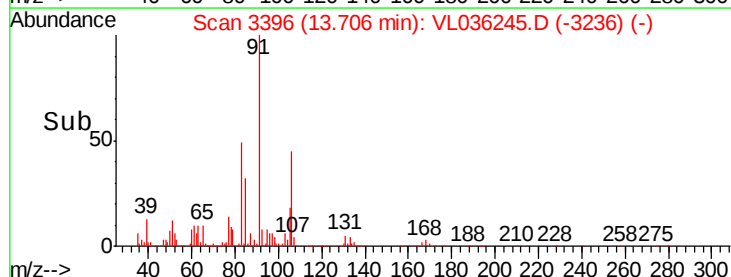
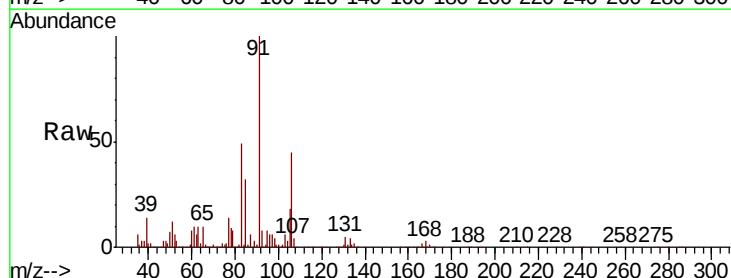
Instrument :
MSVOA_L
ClientSampleId :
VL0120ABS01

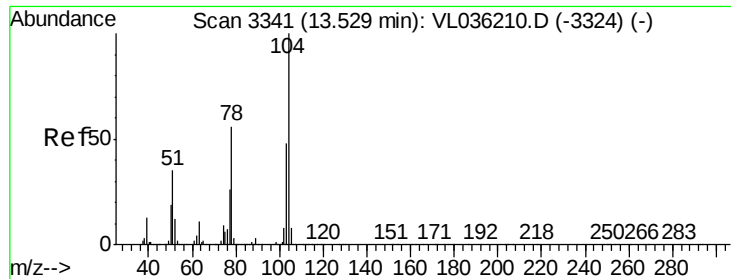
Tot Ion: 91 Resp: 4145873
Ion Ratio Lower Upper
91 100
106 75.0 34.6 51.8#



#60
o-Xylene
Concen: 7.151 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.02 min
Lab File: VL036245.D
Acq: 20 Jan 2021 13:14

Tgt Ion: 91 Resp: 3424700
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.8





#61

Stvrene

Concen: 8.095 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

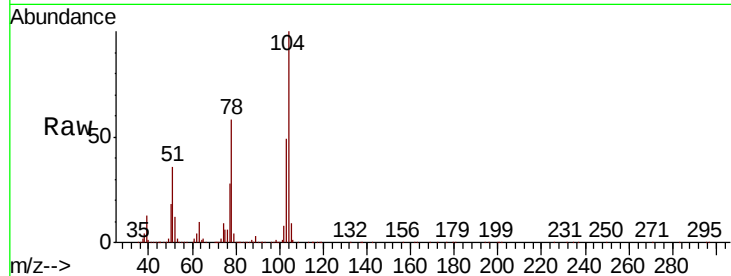
Tot Ion:104 Resp: 2447811

Ion Ratio Lower Upper

104 100

78 58.5 46.8 70.2

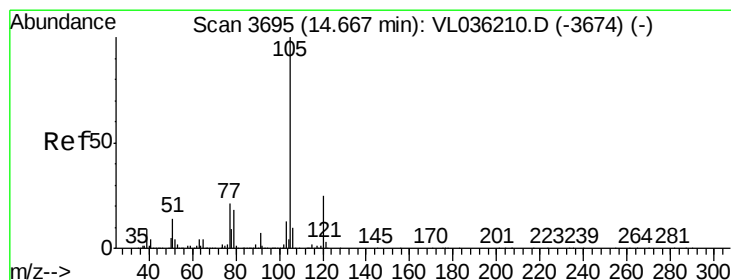
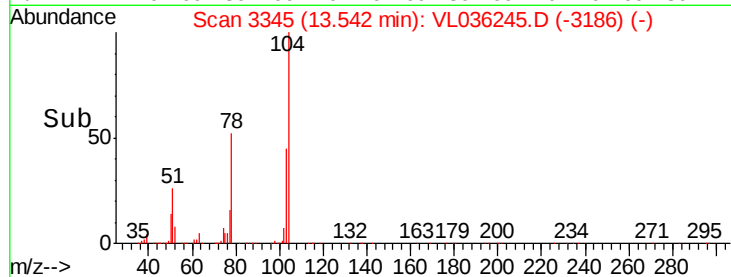
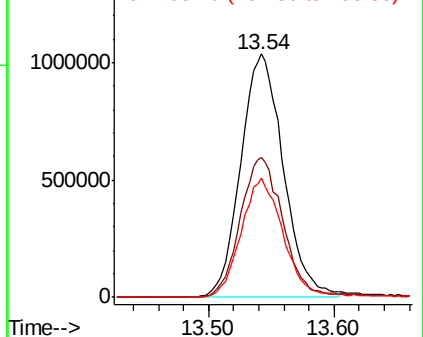
103 48.6 38.4 57.6



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: 7.256 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VL036245.D

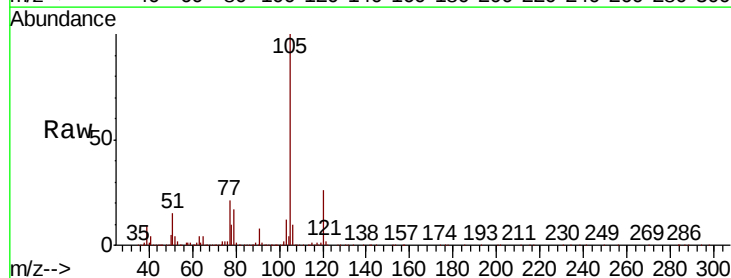
Acq: 20 Jan 2021 13:14

Tgt Ion:105 Resp: 5165983

Ion Ratio Lower Upper

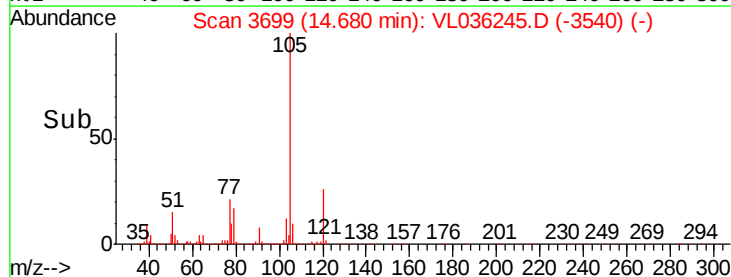
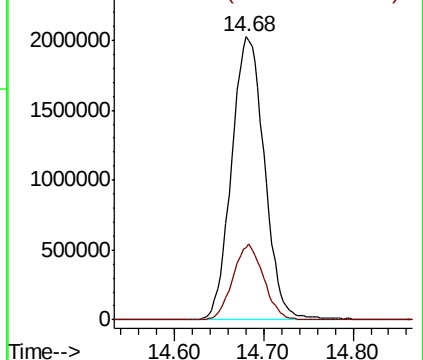
105 100

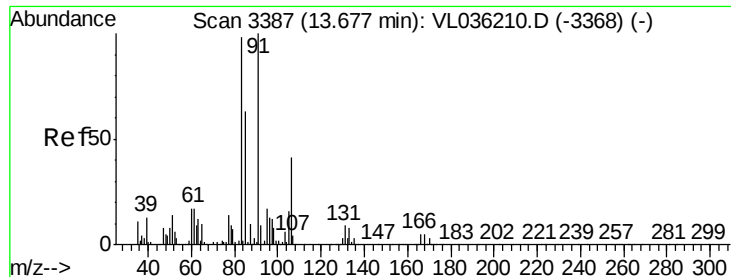
120 25.3 20.3 30.5



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: 6.802 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

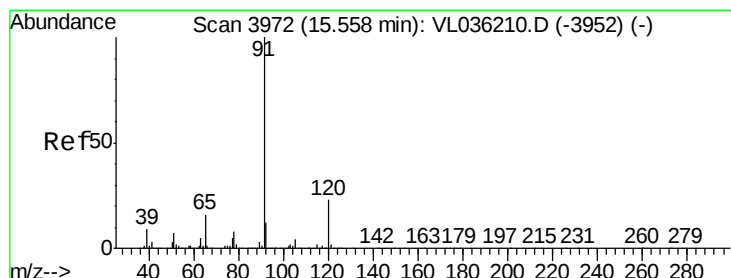
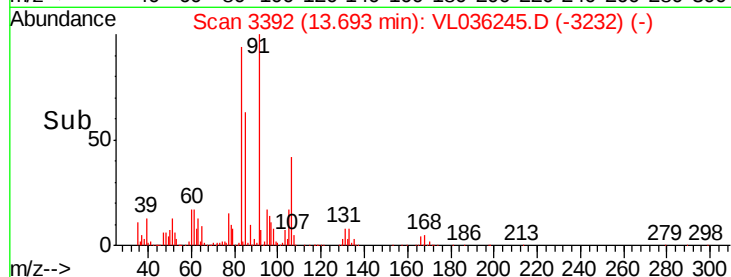
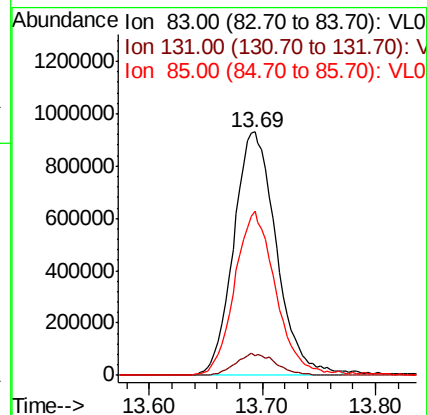
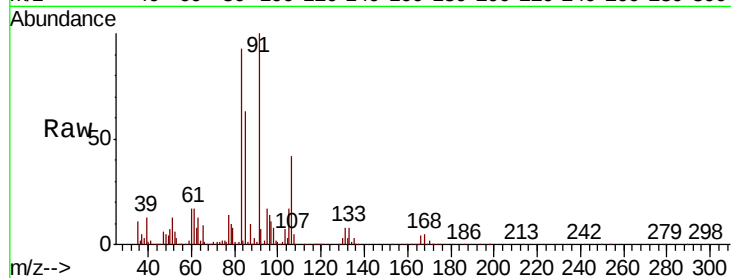
Tot Ion: 83 Resp: 2425299

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.5

85 66.1 33.1 99.3



#64

n-propylbenzene

Concen: 7.529 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.02 min

Lab File: VL036245.D

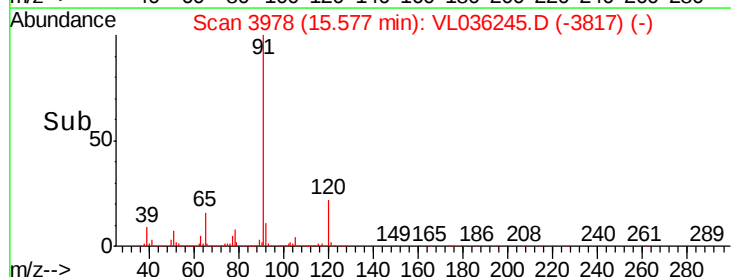
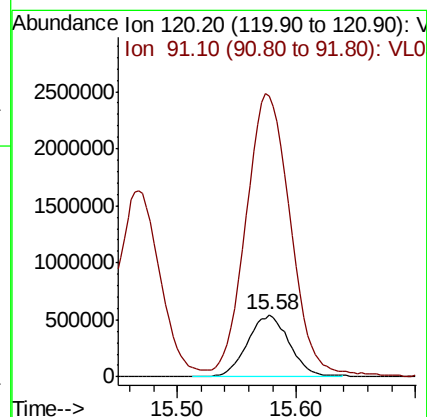
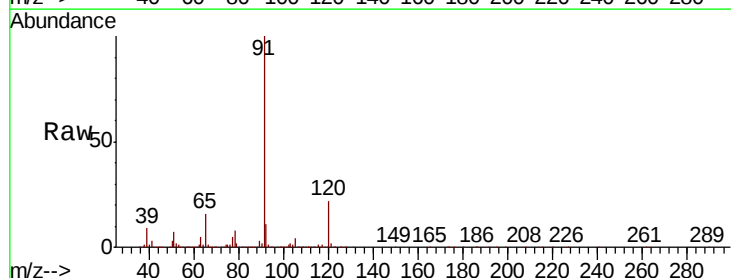
Acq: 20 Jan 2021 13:14

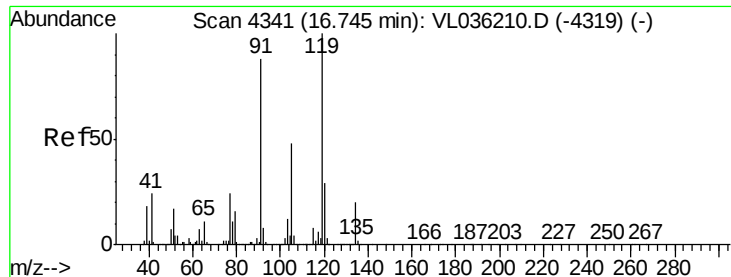
Tgt Ion: 120 Resp: 1317214

Ion Ratio Lower Upper

120 100

91 492.1 391.8 587.6





#65

tert-Butylbenzene

Concen: 7.169 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

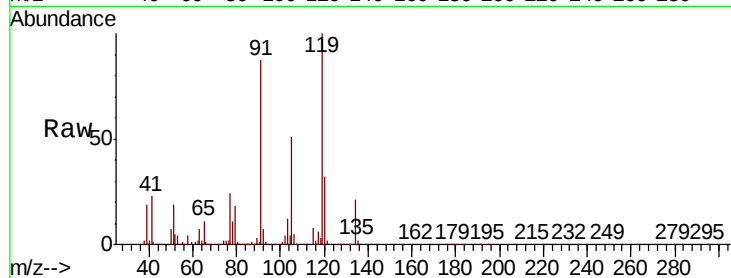
Tot Ion:119 Resp: 4325285

Ion Ratio Lower Upper

119 100

91 89.0 71.0 106.6

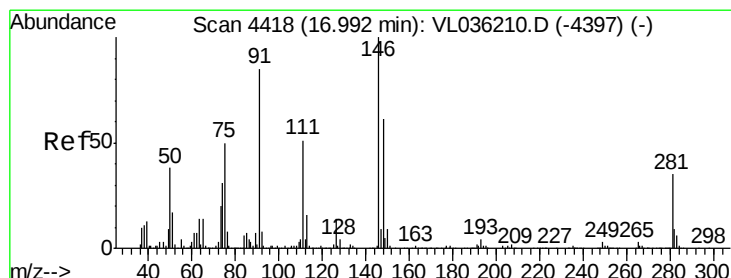
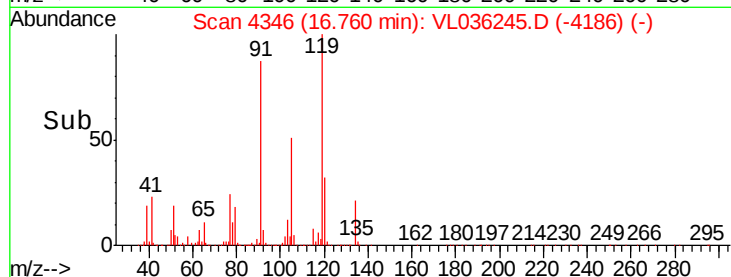
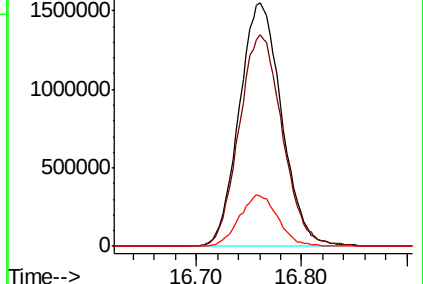
134 19.5 15.8 23.6



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: 10.351 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

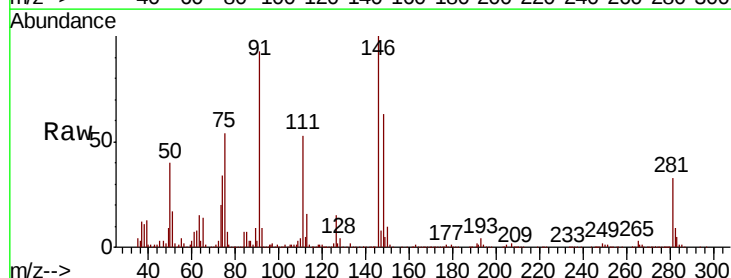
Tgt Ion: 91 Resp: 1595544

Ion Ratio Lower Upper

91 100

126 15.6 12.6 19.0

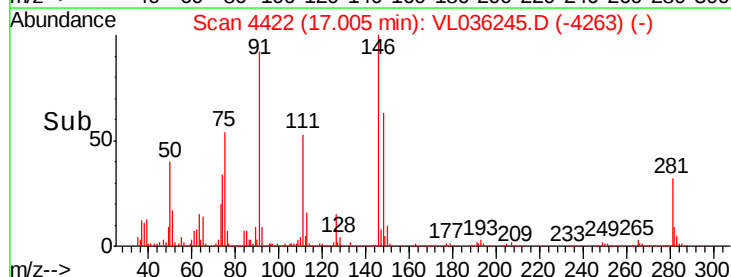
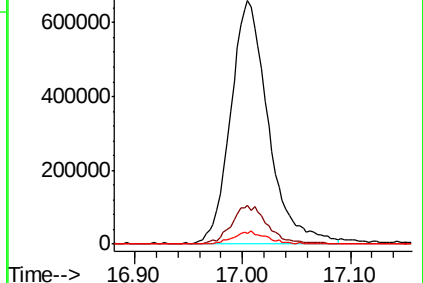
128 5.0 3.8 5.6

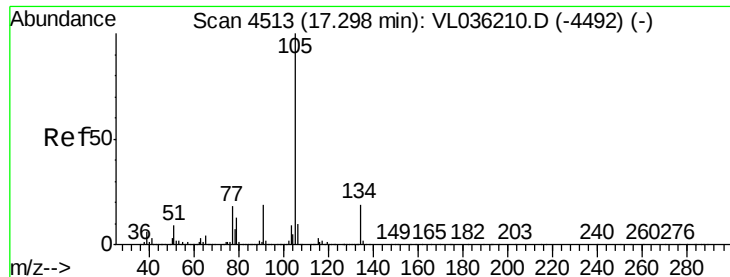


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

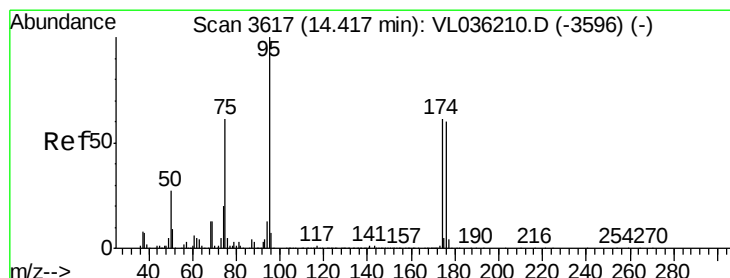
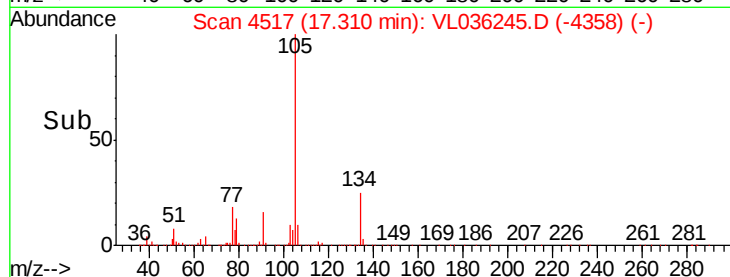
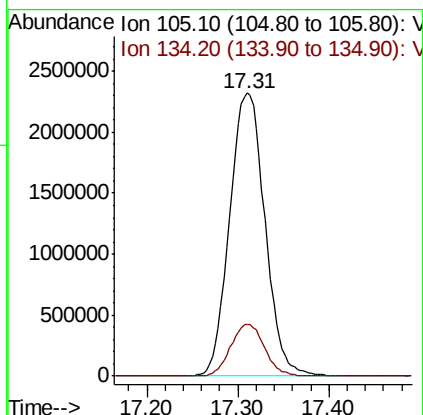
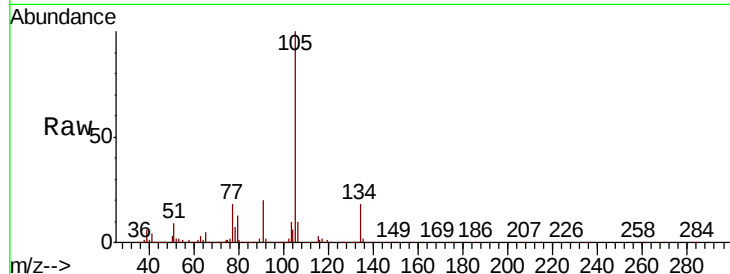




#67
 sec-Butylbenzene
 Concen: 6.984 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

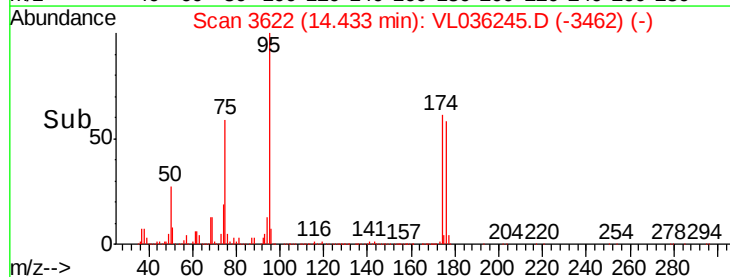
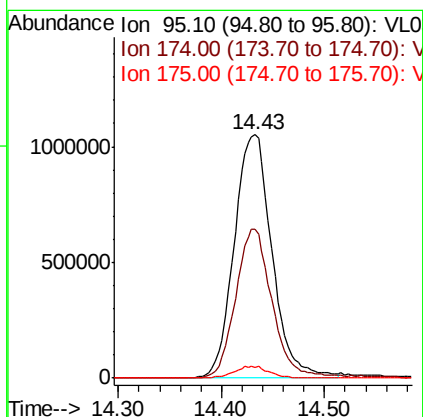
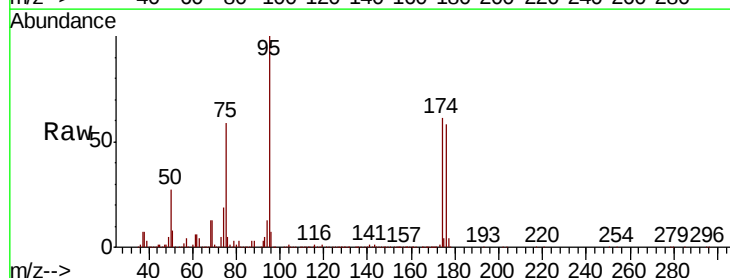
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

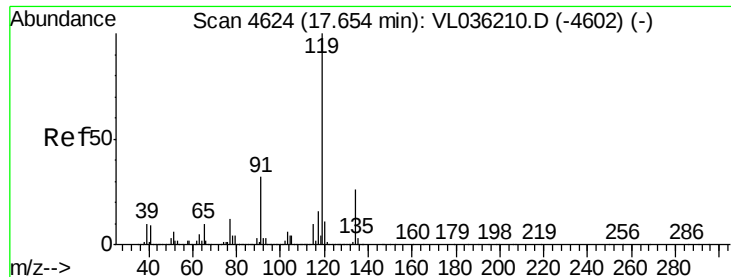
Tot Ion:105 Resp: 6254828
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.307 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 95 Resp: 2678867
 Ion Ratio Lower Upper
 95 100
 174 60.1 49.4 74.0
 175 4.6 3.8 5.8

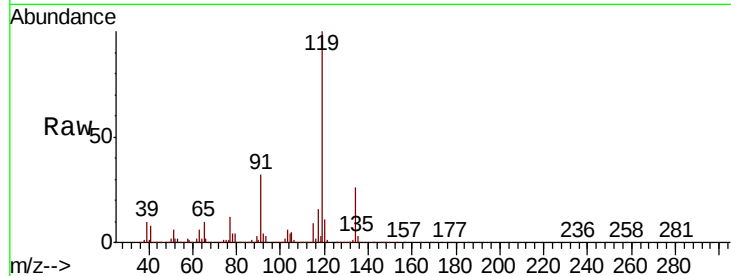




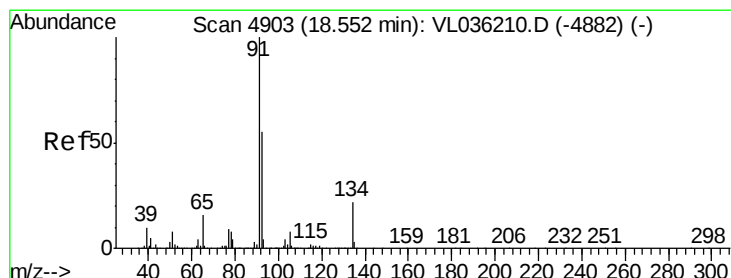
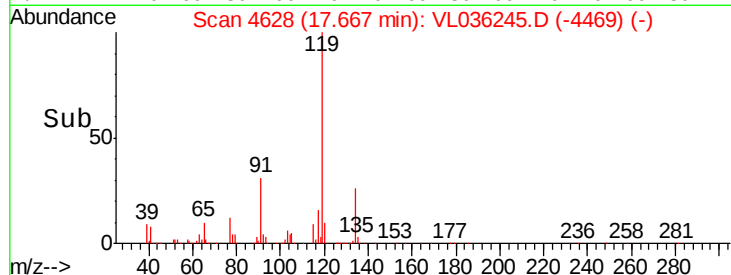
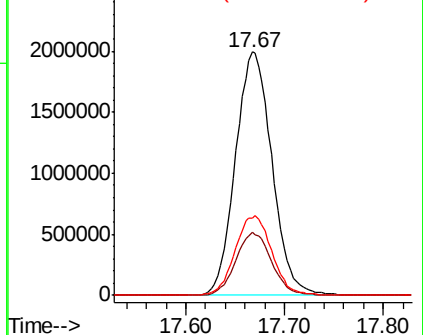
#69
 p-Isopropyltoluene
 Concen: 7.199 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Tot Ion:119 Resp: 5113225
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.4
 91 32.6 26.0 39.0

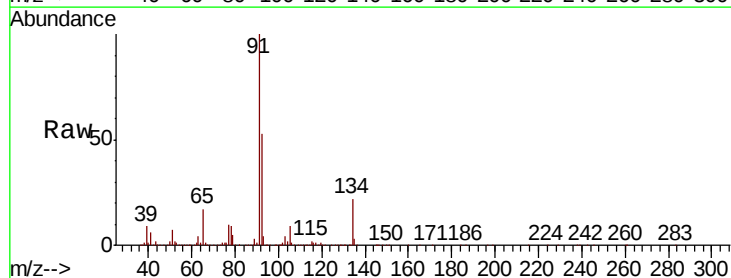


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

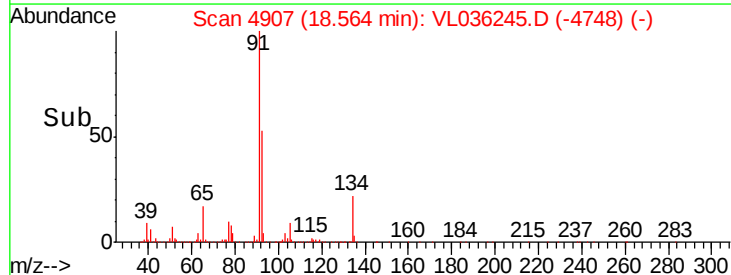
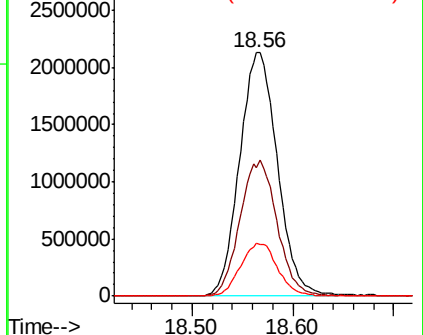


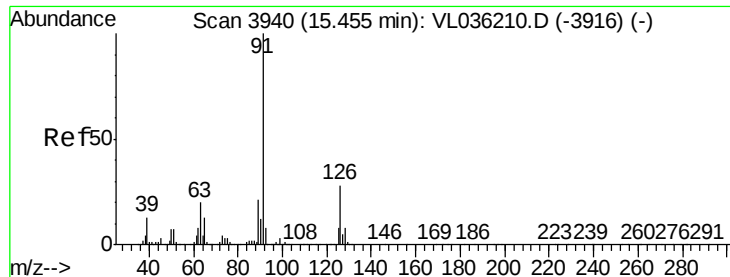
#70
 n-Butylbenzene
 Concen: 7.320 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.01 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion: 91 Resp: 5540073
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.0 66.0
 134 21.4 17.0 25.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.303 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

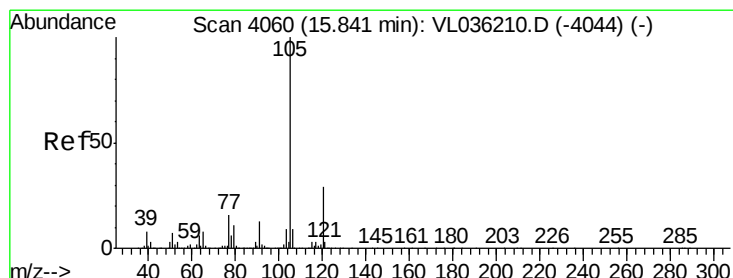
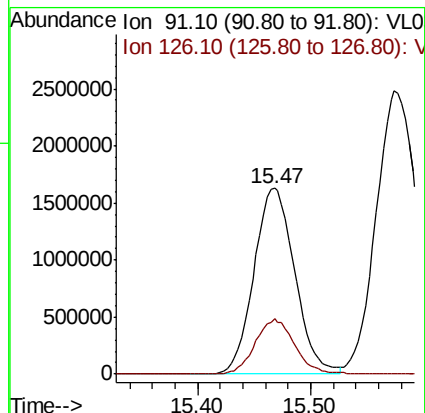
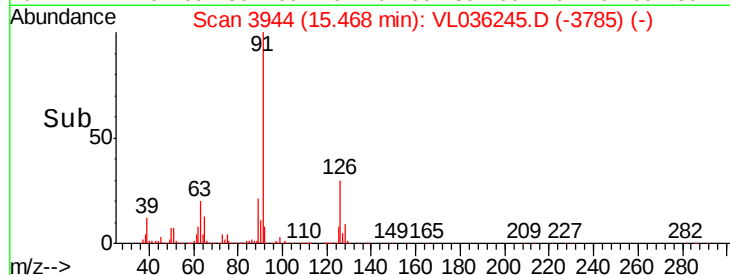
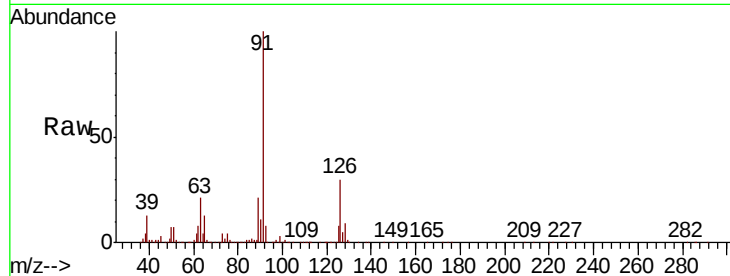
VL0120ABS01

Tot Ion: 91 Resp: 4087117

Ion Ratio Lower Upper

91 100

126 29.0 11.5 45.9



#72

4-Ethyltoluene

Concen: 7.376 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Tgt Ion: 105 Resp: 3985936

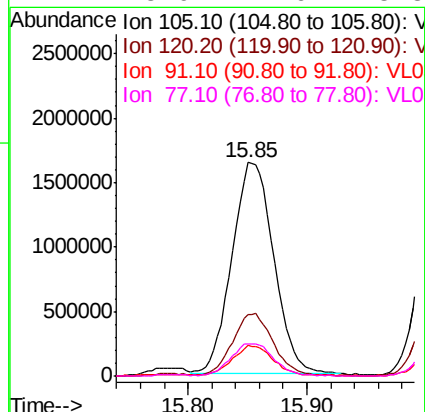
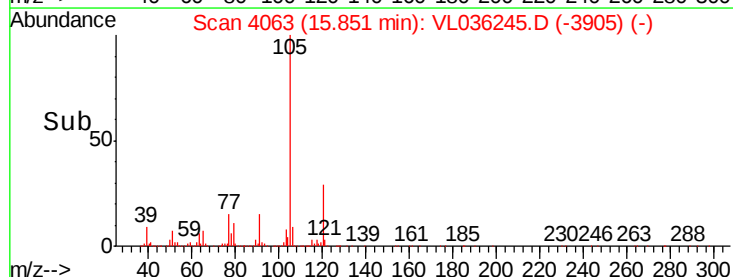
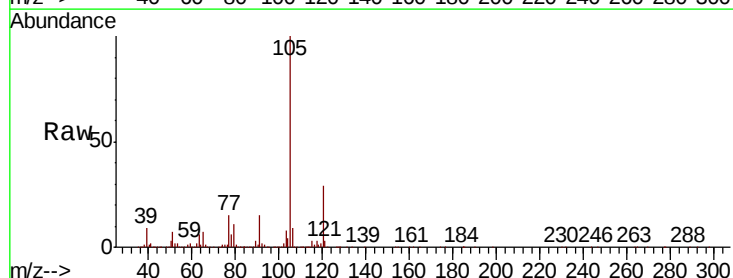
Ion Ratio Lower Upper

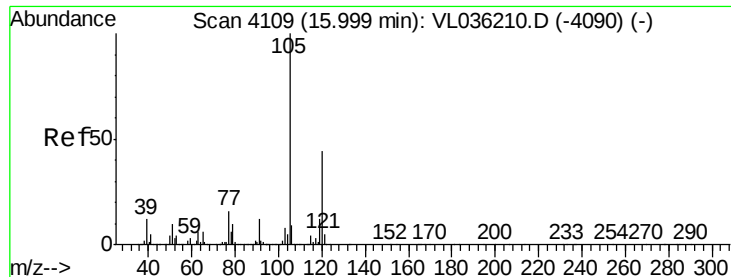
105 100

120 29.1 23.7 35.5

91 13.9 11.9 17.9

77 15.9 12.6 18.8

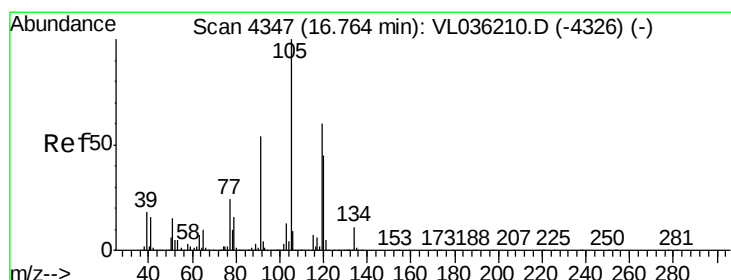
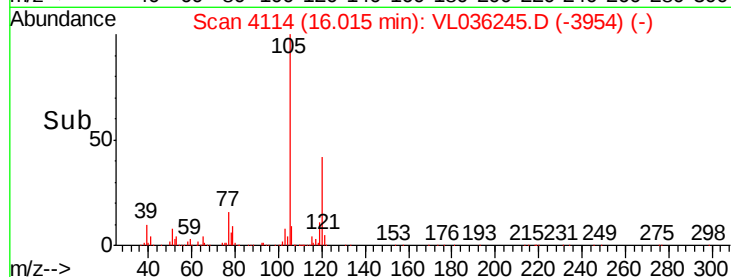
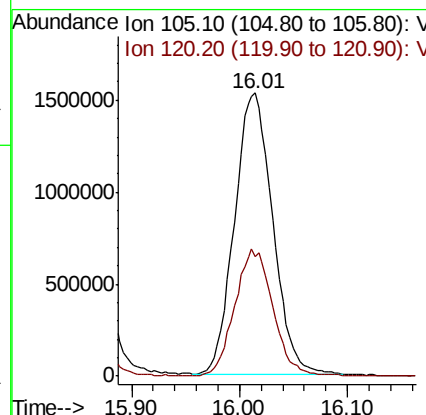
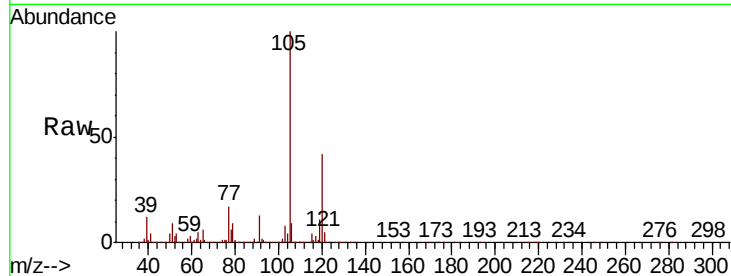




#73
 1,3,5-Trimethylbenzene
 Concen: 7.341 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

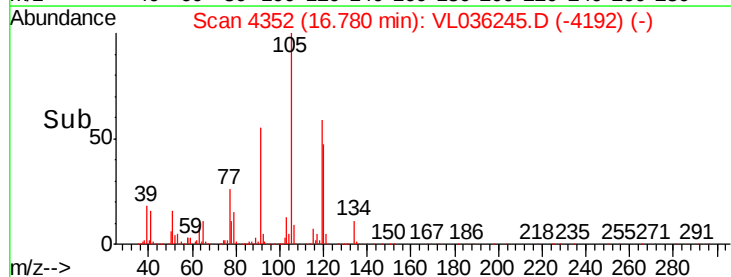
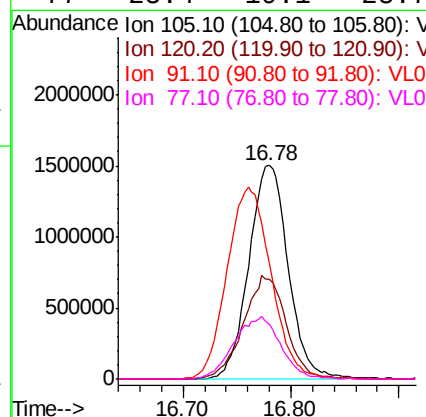
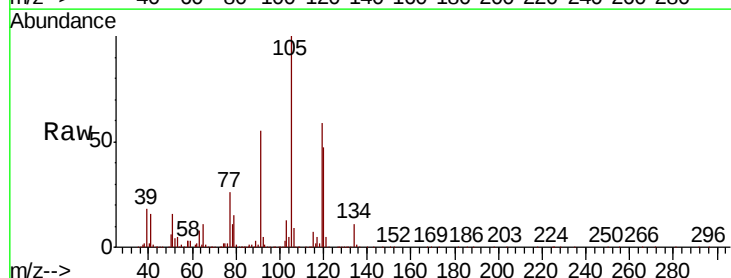
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

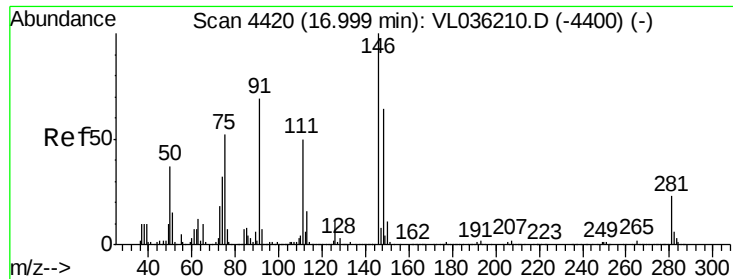
Tot Ion:105 Resp: 3781922
 Ion Ratio Lower Upper
 105 100
 120 42.4 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 7.211 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.02 min
 Lab File: VL036245.D
 Acq: 20 Jan 2021 13:14

Tgt Ion:105 Resp: 3810221
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.2 54.2
 91 54.1 43.3 64.9
 77 25.4 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 7.228 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

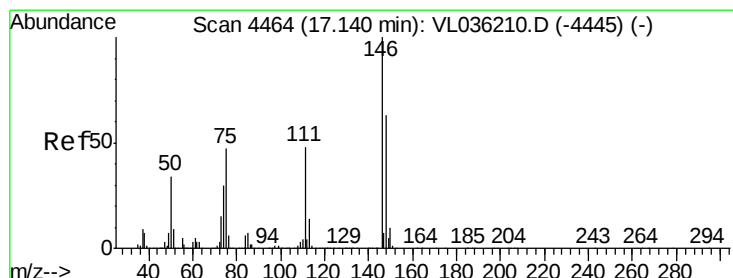
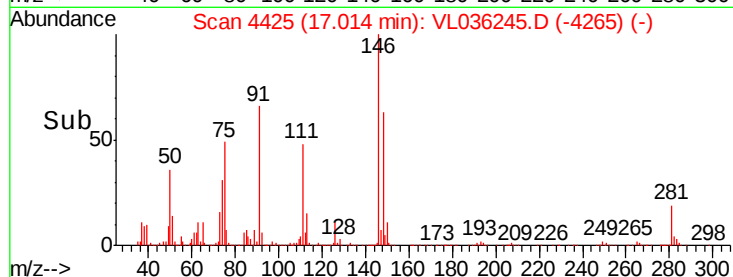
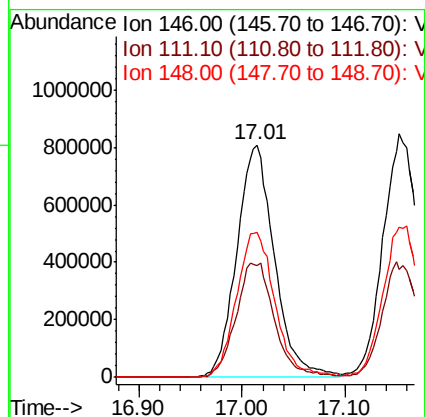
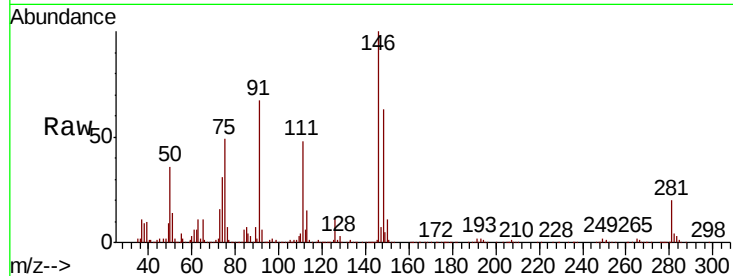
Tot Ion:146 Resp: 2048529

Ion Ratio Lower Upper

146 100

111 50.6 25.5 76.5

148 64.3 32.4 97.2



#76

1,4-Dichlorobenzene

Concen: 7.346 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

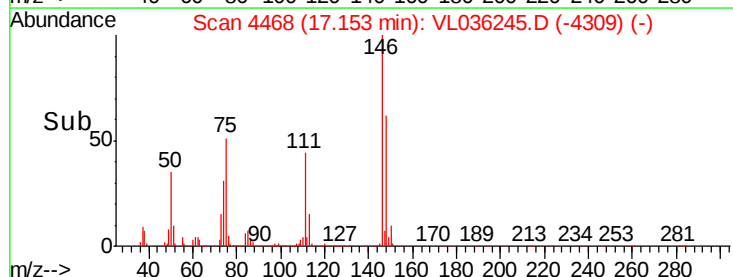
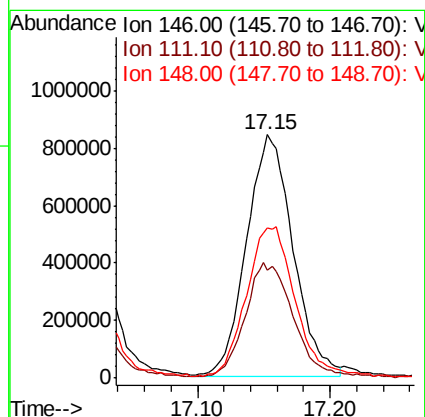
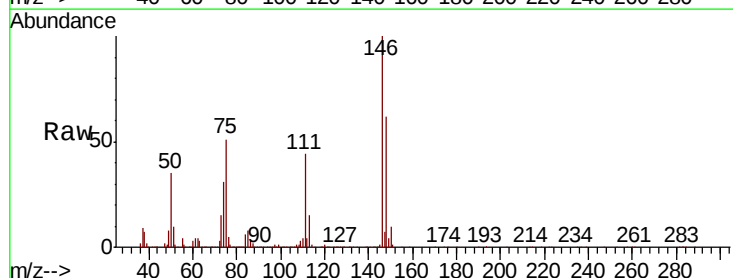
Tgt Ion:146 Resp: 2056907

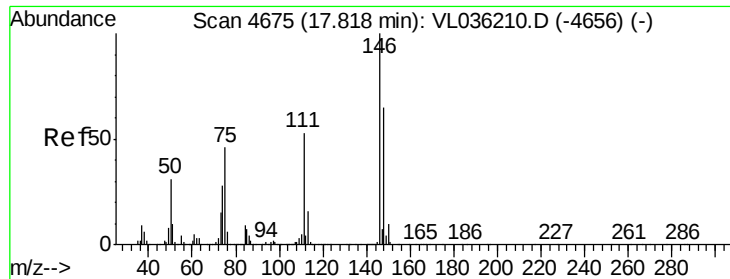
Ion Ratio Lower Upper

146 100

111 49.9 25.4 76.0

148 66.0 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 7.359 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.02 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

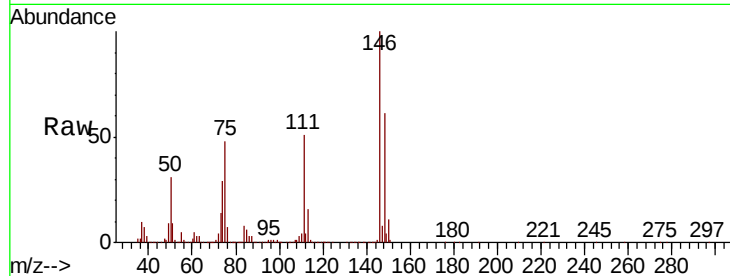
Tot Ion:146 Resp: 2037221

Ion Ratio Lower Upper

146 100

111 52.4 26.5 79.4

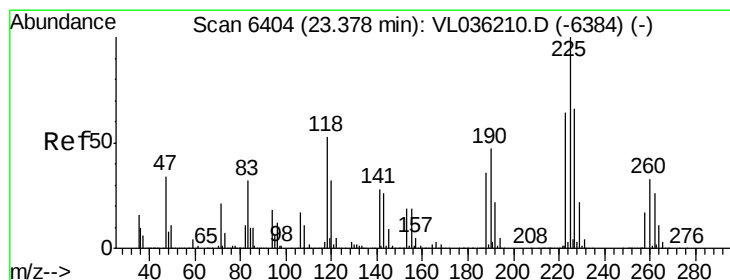
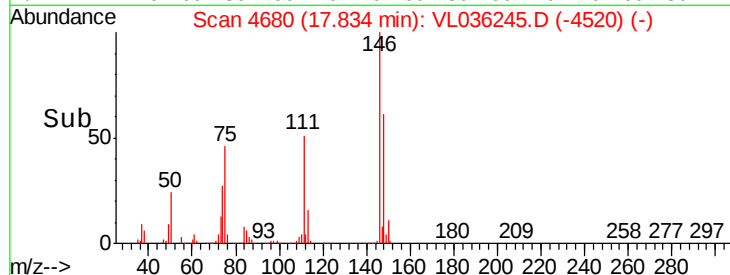
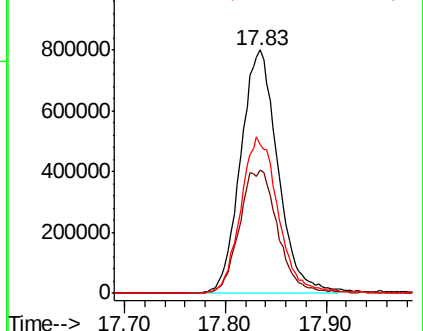
148 64.9 32.8 98.4



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: 6.684 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

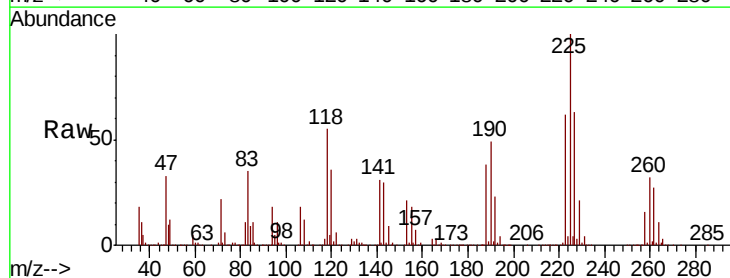
Tgt Ion:225 Resp: 1479897

Ion Ratio Lower Upper

225 100

223 64.8 50.5 75.7

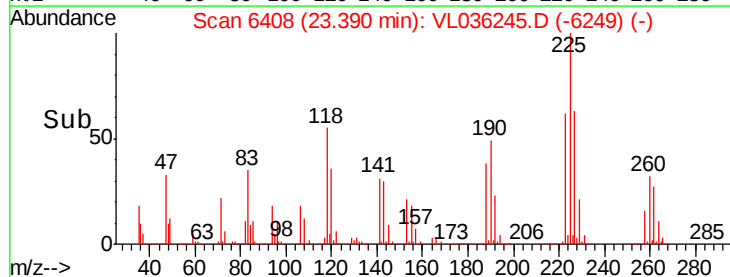
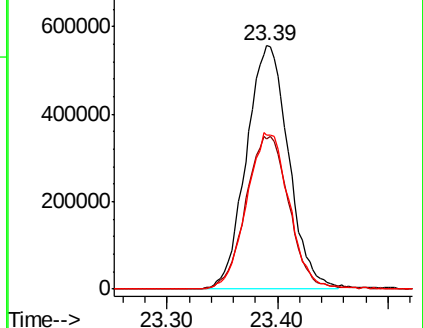
227 64.7 51.7 77.5

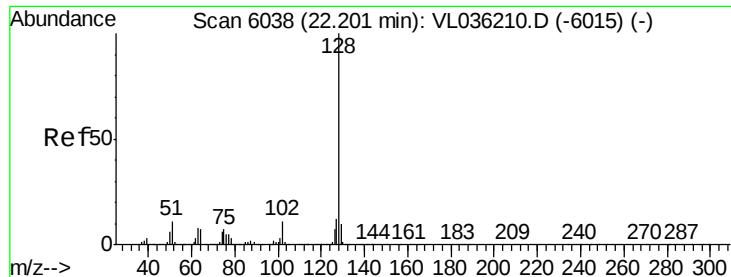


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.394 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

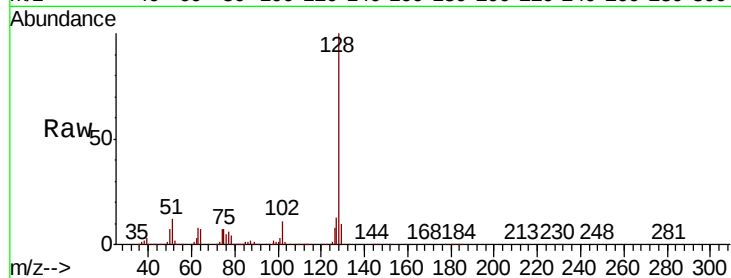
Tot Ion:128 Resp: 2901670

Ion Ratio Lower Upper

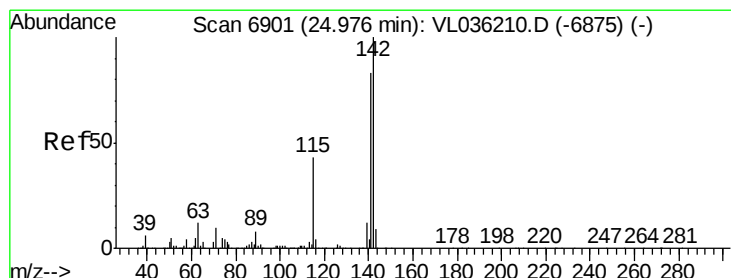
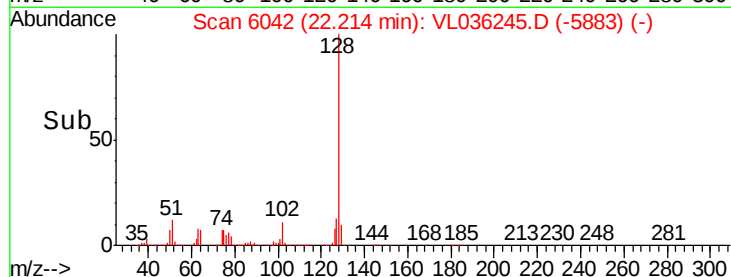
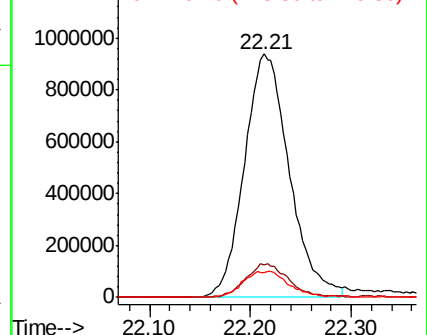
128 100

127 13.3 9.9 14.9

129 10.3 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: 16.953 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

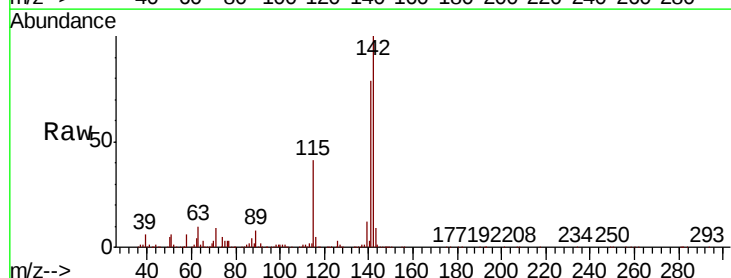
Tgt Ion:142 Resp: 1117337

Ion Ratio Lower Upper

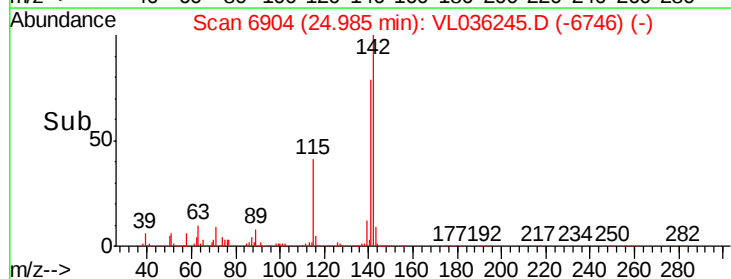
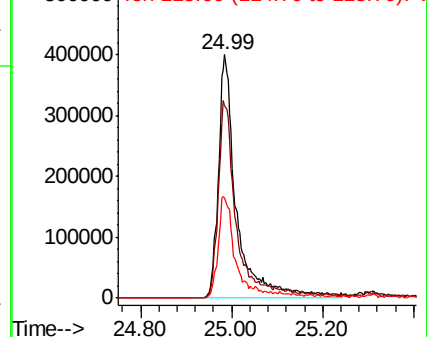
142 100

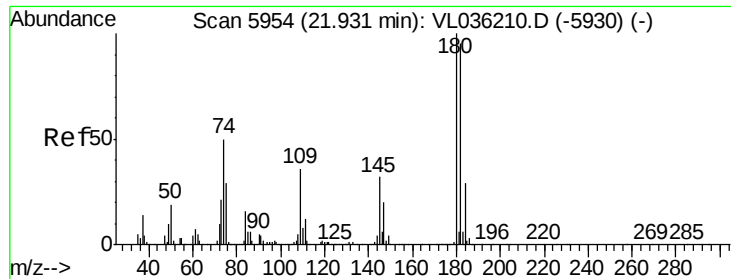
141 80.1 68.6 102.8

115 42.3 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: 8.226 ppbv

RT: 21.94 min Scan# 5958

Delta R.T. 0.01 min

Lab File: VL036245.D

Acq: 20 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABS01

Tot Ion:180 Resp: 1483439

Ion Ratio Lower Upper

180 100

182 99.2 79.9 119.9

184 31.1 25.6 38.4

