

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036219.D
 Acq On : 13 Jan 2021 9:38
 Operator : SY/AP
 Sample : VL0113ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Quant Time: Jan 13 22:05:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1473879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3318776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3877612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2629874	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682395	8.413	ppbv 100
3) Chlorodifluoromethane	2.98	51	1688445	9.233	ppbv 100
4) Chloromethane	3.13	50	798119	8.829	ppbv 96
5) Vinyl Chloride	3.25	62	806448	9.564	ppbv 98
6) Bromomethane	3.47	94	414953	9.347	ppbv 99
7) Chloroethane	3.56	64	276947	9.748	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	1744102	9.443	ppbv 100
9) Propene	3.00	41	772975	8.870	ppbv 99
10) Heptane	8.12	43	2012466	9.314	ppbv 100
11) Trichlorofluoromethane	3.94	101	1778795	9.080	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1139721	9.269	ppbv 98
13) Ethanol	3.60	45	85624	4.680	ppbv 81
14) Bromoethene	3.74	108	510184	9.817	ppbv 99
15) Acetone	3.84	43	1471920	8.409	ppbv 98
16) 1,3-Butadiene	3.32	39	828648	9.933	ppbv 98
17) tert-Butyl alcohol	4.29	59	1414127	9.861	ppbv 99
18) 1,1-Dichloroethene	4.29	96	500319	9.439	ppbv 95
19) Isopropyl Alcohol	3.96	45	964067	9.528	ppbv # 97
20) Methylene Chloride	4.34	84	444673	8.295	ppbv 97
21) Allyl Chloride	4.41	41	954032	9.988	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	491468	9.947	ppbv 91
23) Vinyl Acetate	5.07	43	2102380	9.530	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1490094	9.515	ppbv 99
25) Ethyl Acetate	5.67	43	3279015	9.199	ppbv 100
26) Hexane	5.68	57	1333821	8.948	ppbv 99
27) Carbon Disulfide	4.55	76	1335435	11.145	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1880294	9.342	ppbv 98
29) Chloroform	5.75	83	2039614	9.348	ppbv 98
30) Cyclohexane	7.13	84	1109574	9.531	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1400472	9.741	ppbv 95
32) 1,1,1-Trichloroethane	6.51	97	2011585	9.563	ppbv 99
34) 2-Butanone	5.24	43	2121626	10.031	ppbv 99
35) Carbon Tetrachloride	7.02	117	2020401	9.635	ppbv 97
36) Benzene	6.89	78	2768603	9.104	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1715165	9.373	ppbv 100
38) Trichloroethene	7.83	130	886542	7.796	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1154640	9.352	ppbv 97
40) 1,4-Dioxane	7.83	88	168895	3.782	ppbv # 90
41) Tetrahydrofuran	6.05	42	1313922	10.565	ppbv 96
42) Bromodichloromethane	7.79	83	2229330	9.693	ppbv 98
43) Methyl Methacrylate	8.01	69	1244118	9.788	ppbv 100

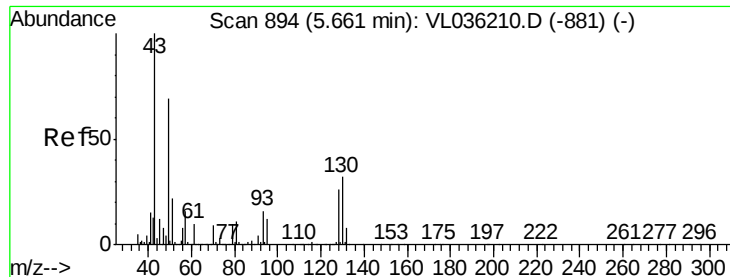
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036219.D
 Acq On : 13 Jan 2021 9:38
 Operator : SY/AP
 Sample : VL0113ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Quant Time: Jan 13 22:05:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4827559	8.643	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1378513	11.231	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1657597	10.509	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1082574	9.165	ppbv	96
48) Dibromochloromethane	10.30	129	1764555	10.211	ppbv	99
49) Bromoform	13.04	173	1455393	10.315	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	3373539	9.514	ppbv	99
51) 2-Hexanone	10.13	43	2821928	10.206	ppbv #	100
52) Tetrachloroethene	11.22	164	885290	7.900	ppbv	98
53) Toluene	9.80	91	3124411	9.282	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1598854	9.236	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1293010	7.472	ppbv #	57
57) Chlorobenzene	12.15	112	2162028	7.107	ppbv	99
58) Ethyl Benzene	12.71	91	4222441	7.338	ppbv	100
59) m/p-Xylene	12.99	91	3599081	7.279	ppbv #	35
60) o-Xylene	13.69	91	3290422	6.904	ppbv	100
61) Styrene	13.53	104	2370829	7.878	ppbv	100
62) Isopropylbenzene	14.67	105	4935011	6.965	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2304112	6.493	ppbv	100
64) n-propylbenzene	15.56	120	1268600	7.286	ppbv	100
65) tert-Butylbenzene	16.74	119	4153040	6.917	ppbv	99
66) Benzyl Chloride	17.00	91	1458026	9.505	ppbv	98
67) sec-Butylbenzene	17.29	105	6012363	6.746	ppbv	100
69) p-Isopropyltoluene	17.65	119	4933805	7.063	ppbv	100
70) n-Butylbenzene	18.55	91	5279017	7.009	ppbv	99
71) 2-Chlorotoluene	15.45	91	3927696	7.052	ppbv	100
72) 4-Ethyltoluene	15.84	105	3940382	7.327	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3707497	7.231	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3666102	6.971	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1946452	7.078	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1967077	7.467	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1956079	7.238	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	1450827	6.739	ppbv	99
79) Naphthalene	22.20	128	2788852	9.271	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1007972	16.340	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1421765	8.413	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

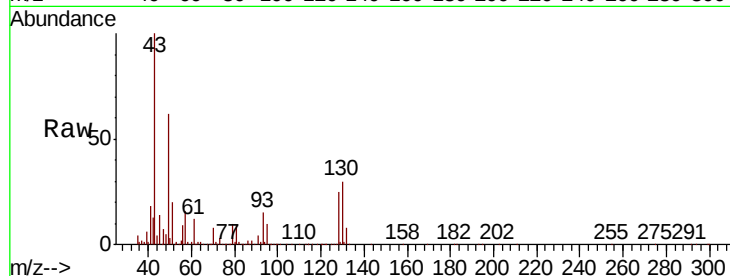
Tot Ion: 49 Resp: 1473879

Ion Ratio Lower Upper

49 100

128 40.8 20.1 60.2

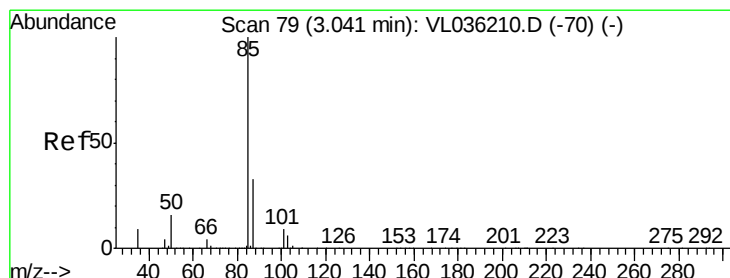
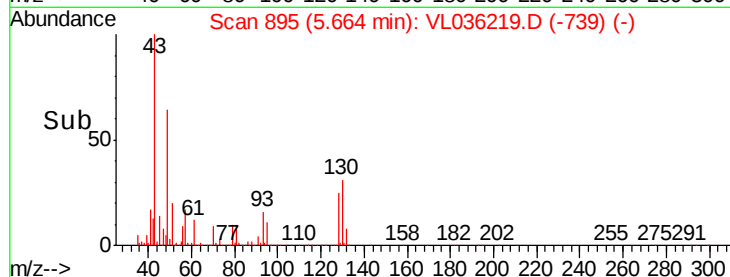
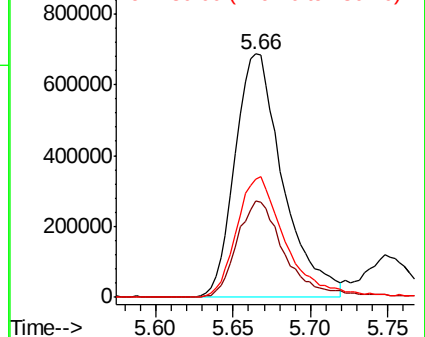
130 51.1 25.3 75.9



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: 8.413 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036219.D

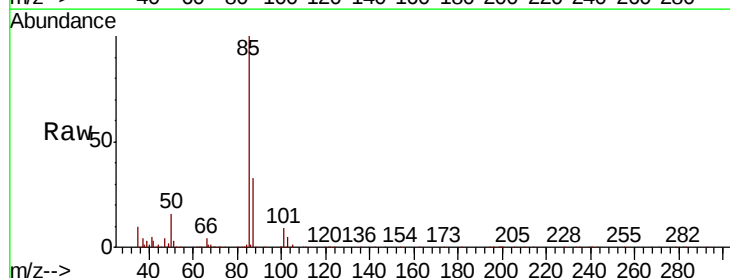
Acq: 13 Jan 2021 9:38

Tgt Ion: 85 Resp: 1682395

Ion Ratio Lower Upper

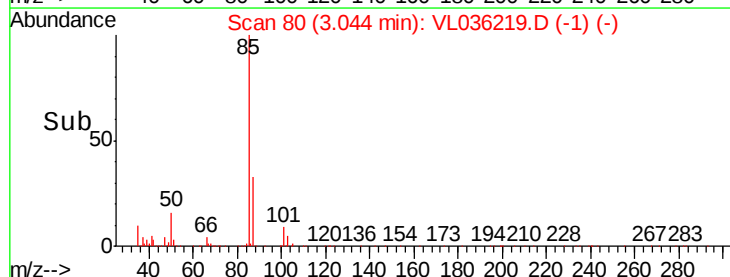
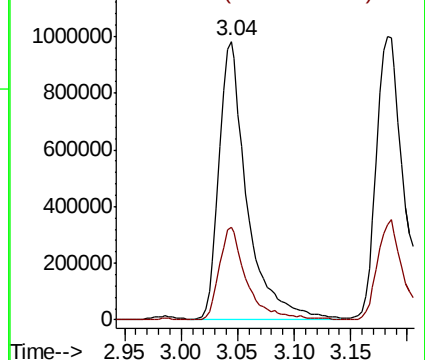
85 100

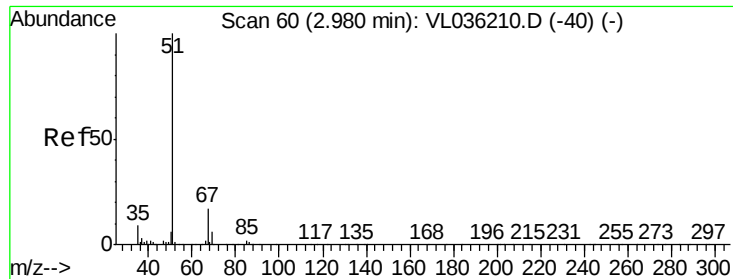
87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.233 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

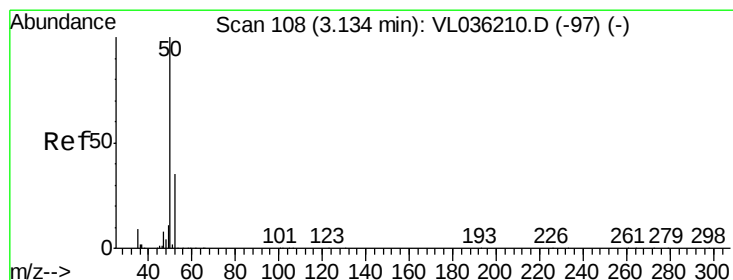
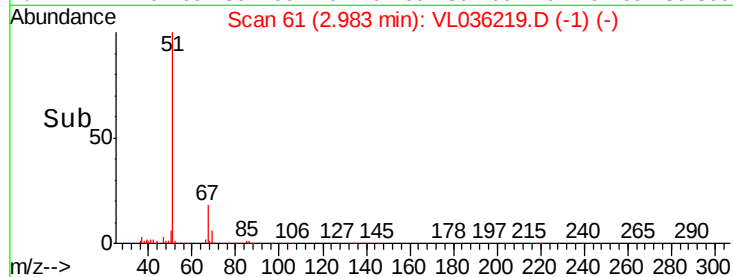
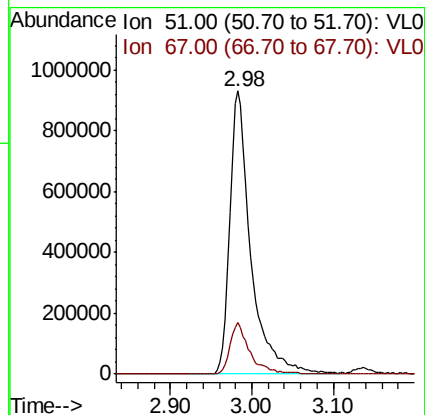
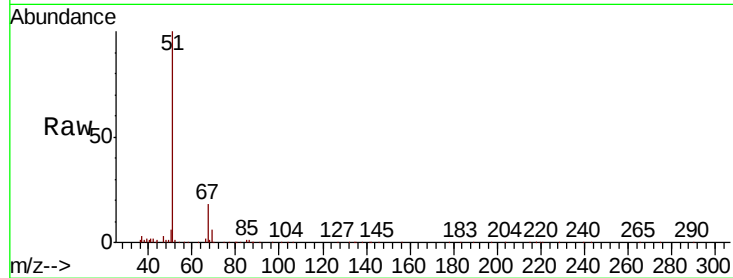
VL0113ABS01

Tot Ion: 51 Resp: 1688445

Ion Ratio Lower Upper

51 100

67 17.5 14.0 21.0



#4

Chloromethane

Concen: 8.829 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036219.D

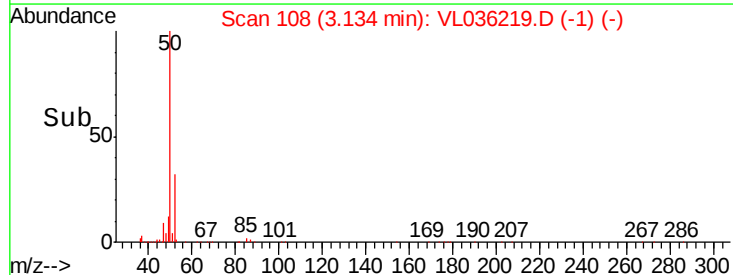
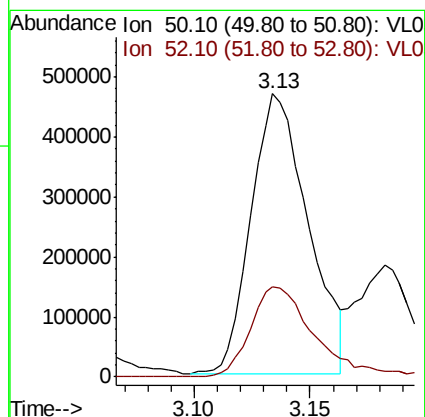
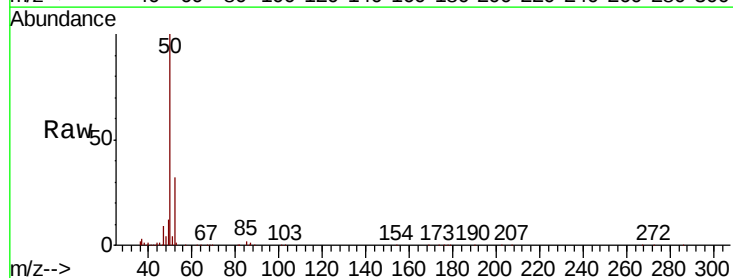
Acq: 13 Jan 2021 9:38

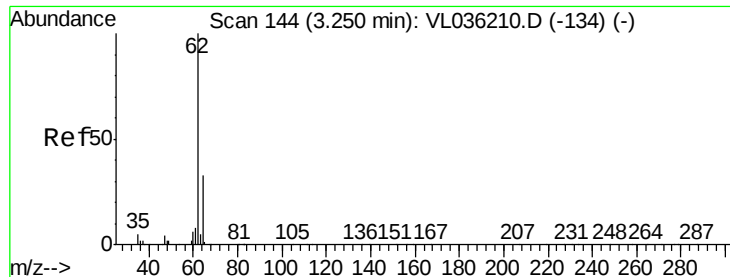
Tgt Ion: 50 Resp: 798119

Ion Ratio Lower Upper

50 100

52 32.3 27.8 41.8





#5

Vinyl Chloride

Concen: 9.564 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

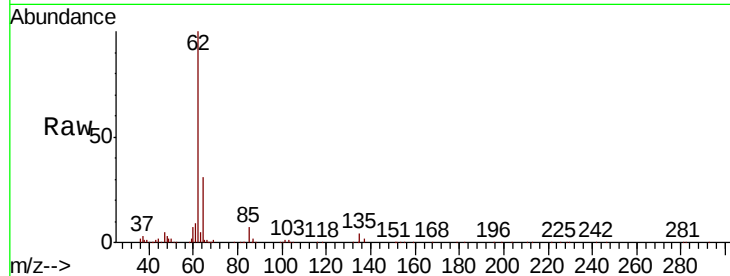
VL0113ABS01

Tot Ion: 62 Resp: 806448

Ion Ratio Lower Upper

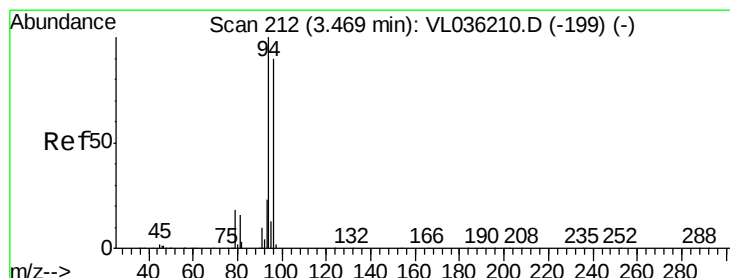
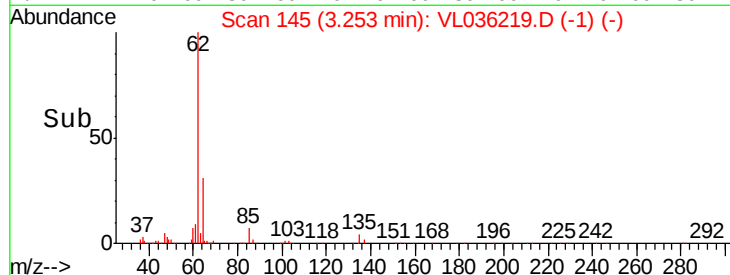
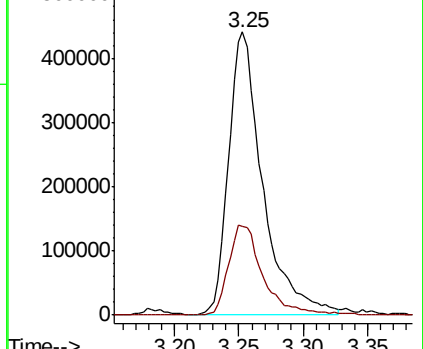
62 100

64 31.5 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.347 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036219.D

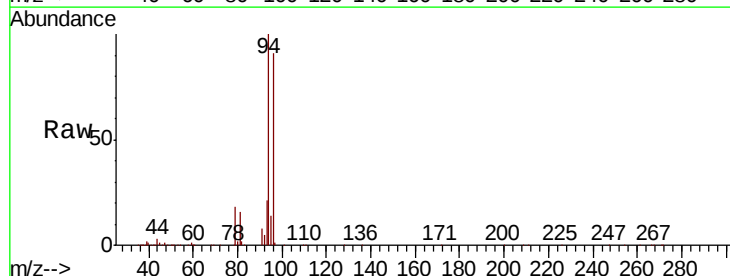
Acq: 13 Jan 2021 9:38

Tgt Ion: 94 Resp: 414953

Ion Ratio Lower Upper

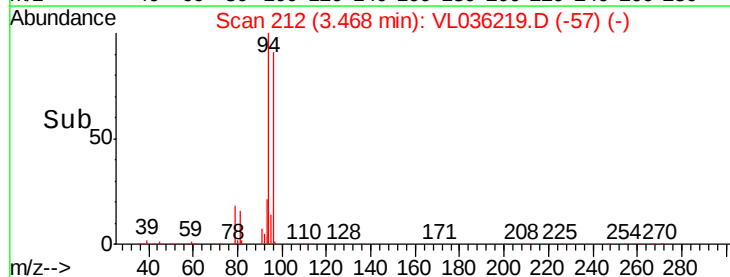
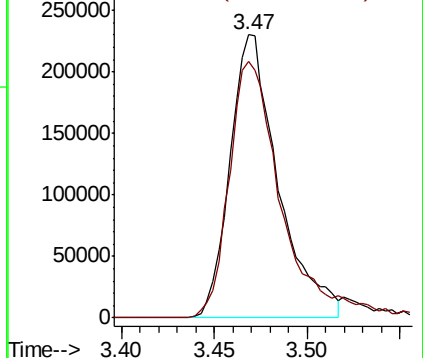
94 100

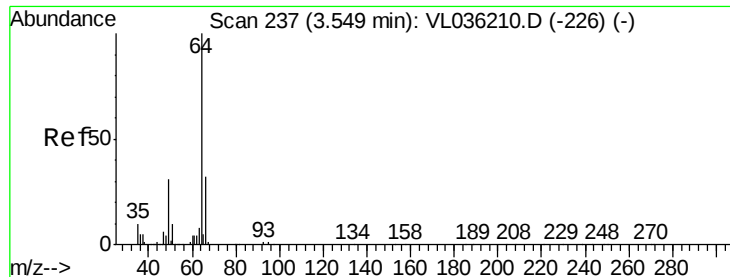
96 90.9 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.748 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

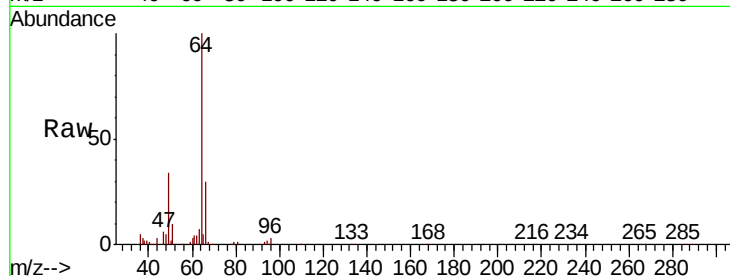
VL0113ABS01

Tot Ion: 64 Resp: 276947

Ion Ratio Lower Upper

64 100

66 29.9 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

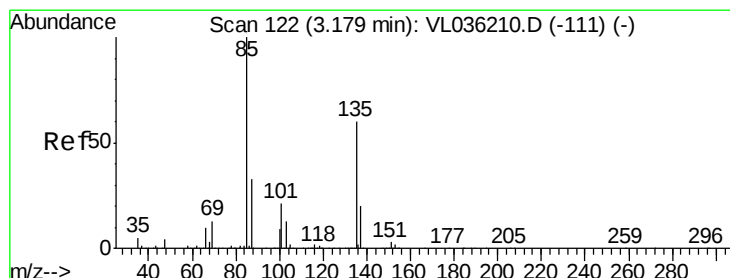
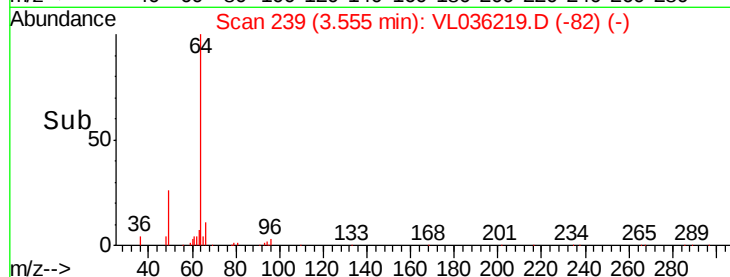
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.443 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036219.D

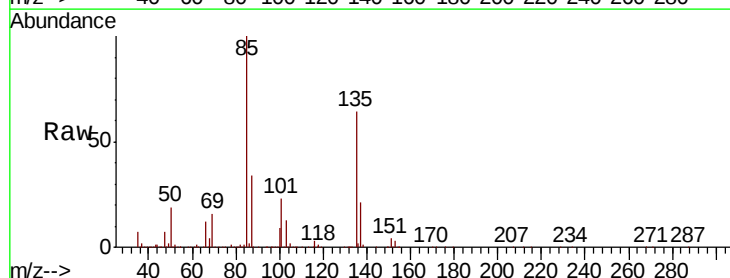
Acq: 13 Jan 2021 9:38

Tgt Ion: 85 Resp: 1744102

Ion Ratio Lower Upper

85 100

135 64.4 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

1000000

800000

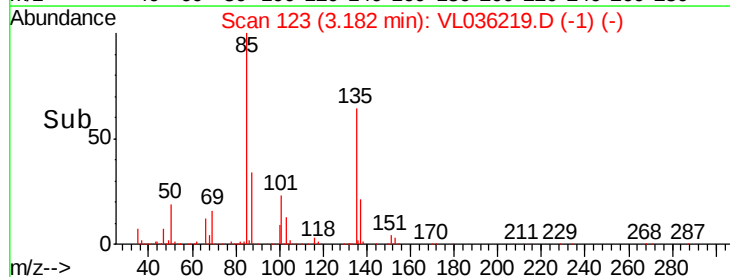
600000

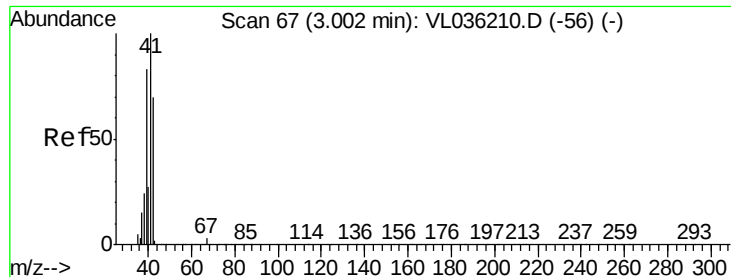
400000

200000

0

Time-->





#9

Propene

Concen: 8.870 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

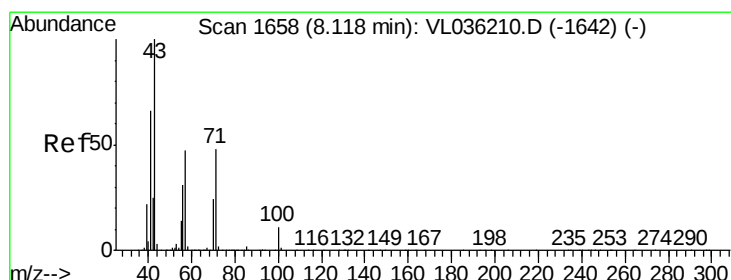
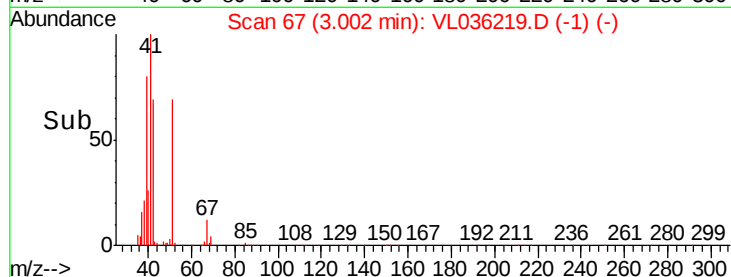
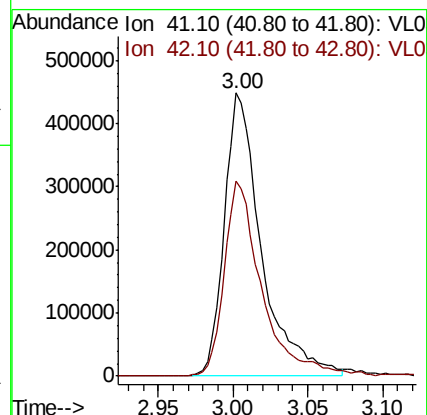
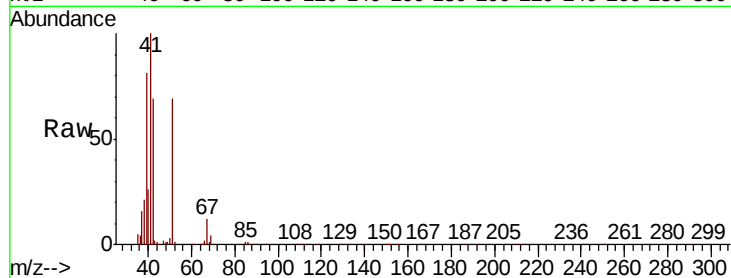
VL0113ABS01

Tot Ion: 41 Resp: 772975

Ion Ratio Lower Upper

41 100

42 70.9 57.1 85.7



#10

Heptane

Concen: 9.314 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL036219.D

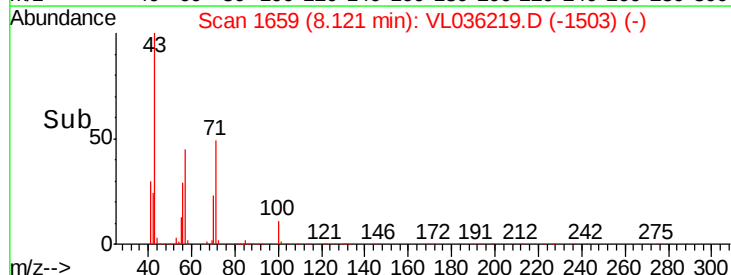
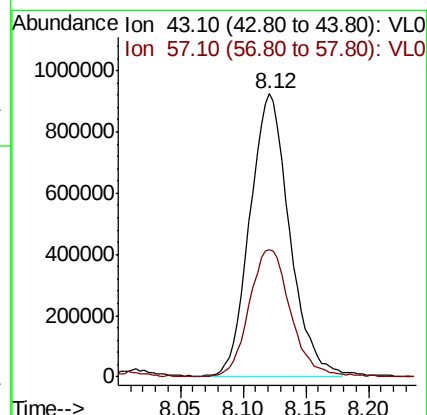
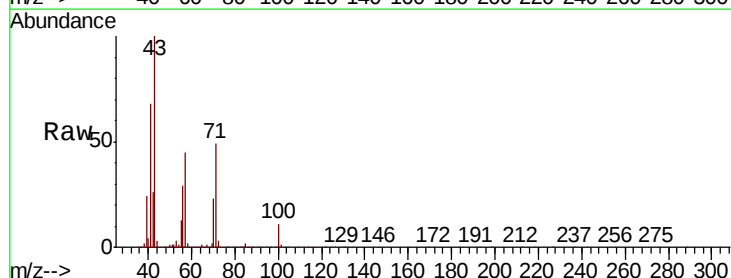
Acq: 13 Jan 2021 9:38

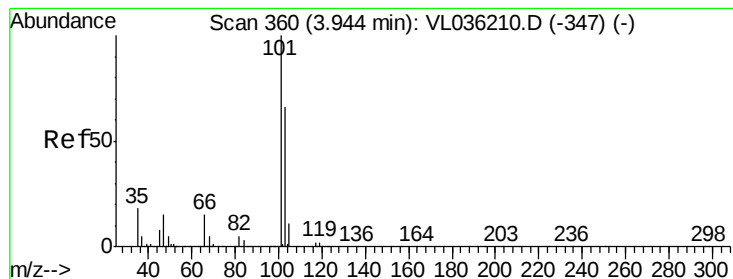
Tgt Ion: 43 Resp: 2012466

Ion Ratio Lower Upper

43 100

57 47.7 38.1 57.1





#11

Trichlorofluoromethane

Concen: 9.080 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

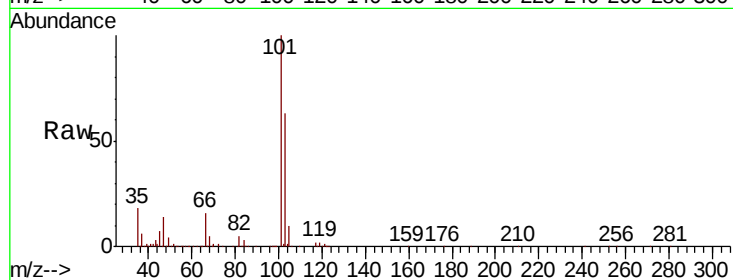
VL0113ABS01

Tot Ion:101 Resp: 1778795

Ion Ratio Lower Upper

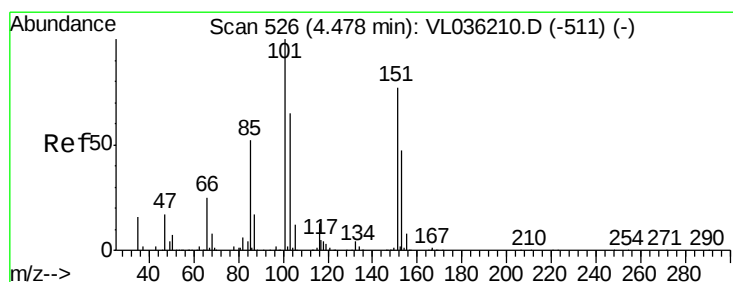
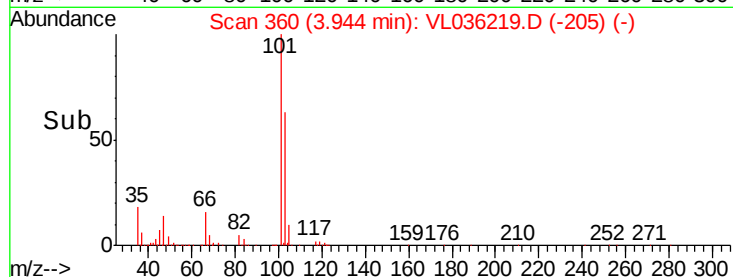
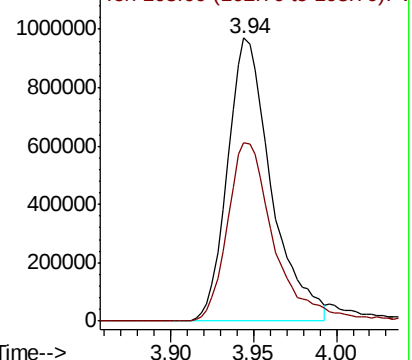
101 100

103 63.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.269 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL036219.D

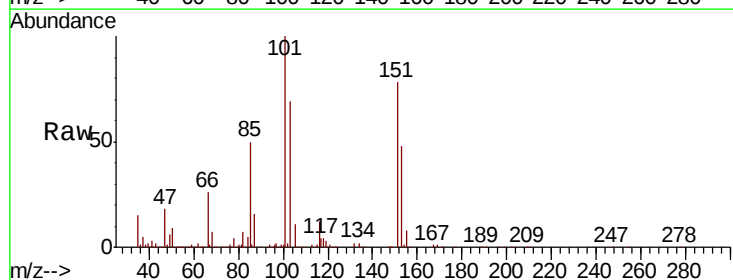
Acq: 13 Jan 2021 9:38

Tgt Ion:101 Resp: 1139721

Ion Ratio Lower Upper

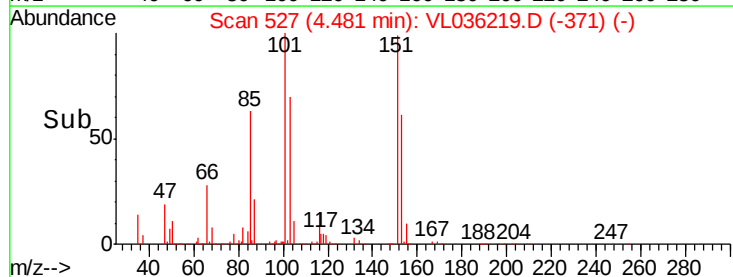
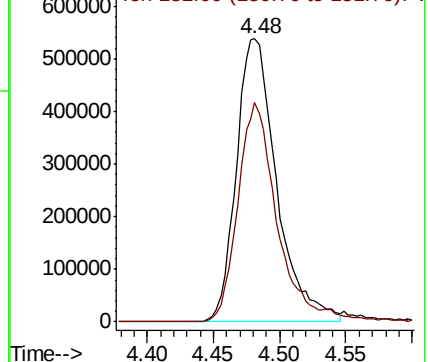
101 100

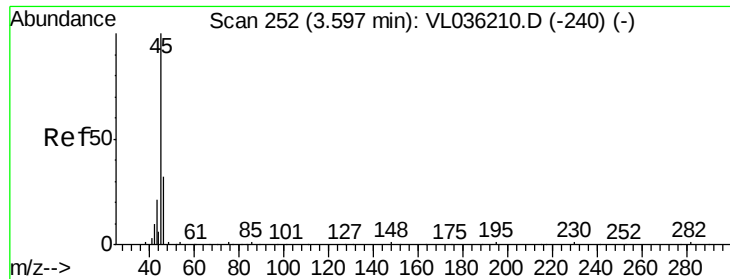
151 76.1 59.8 89.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.680 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

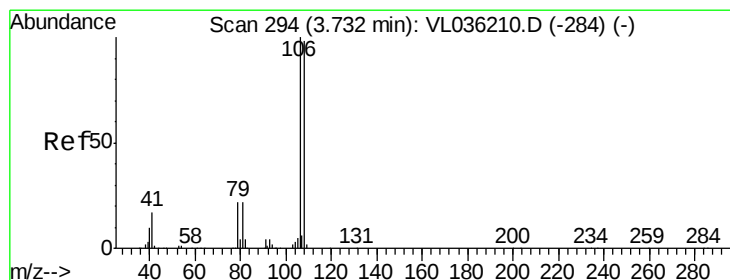
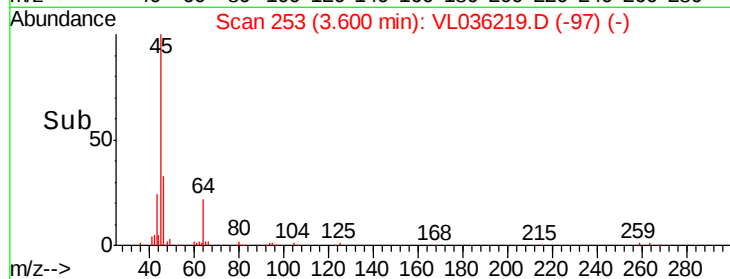
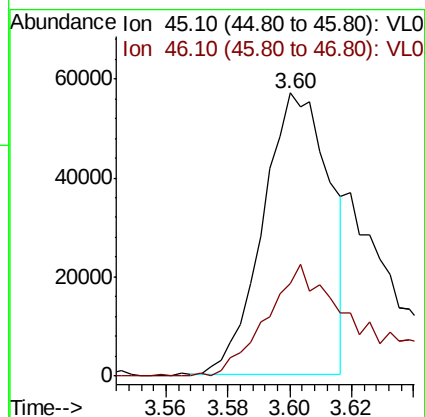
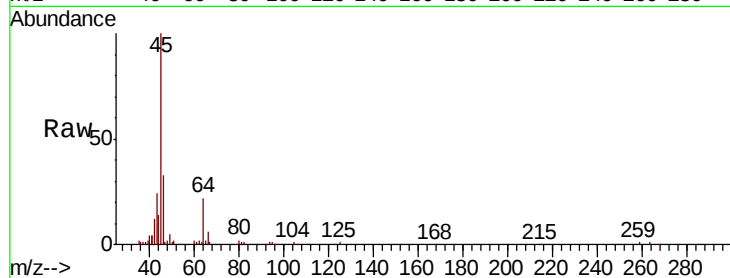
VL0113ABS01

Tot Ion: 45 Resp: 85624

Ion Ratio Lower Upper

45 100

46 60.8 19.2 77.0



#14

Bromoethene

Concen: 9.817 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

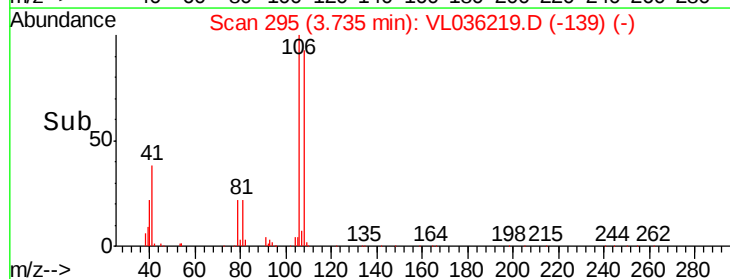
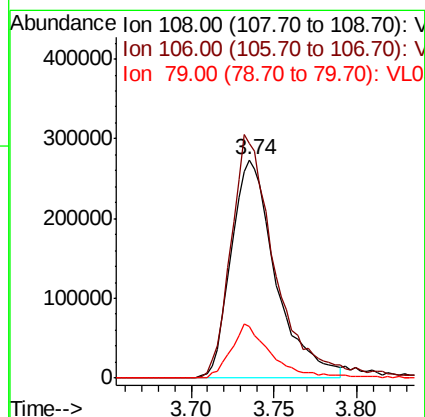
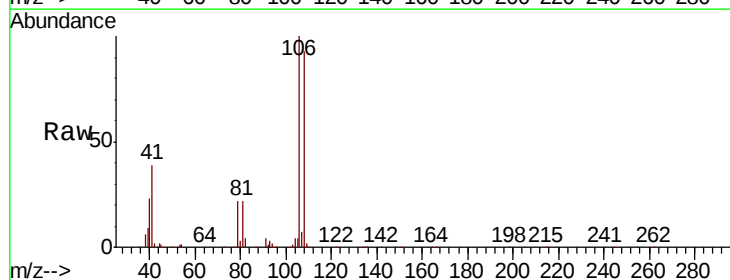
Tgt Ion: 108 Resp: 510184

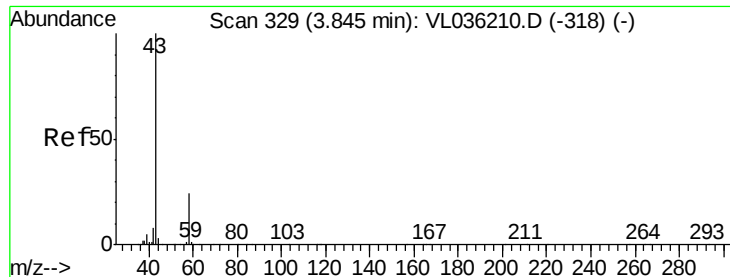
Ion Ratio Lower Upper

108 100

106 113.3 91.4 137.2

79 23.4 18.3 27.5





#15

Acetone

Concen: 8.409 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

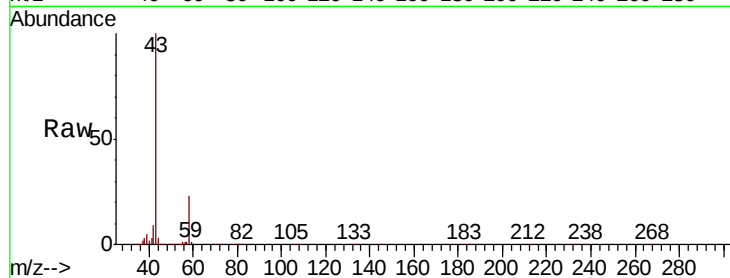
VL0113ABS01

Tot Ion: 43 Resp: 1471920

Ion Ratio Lower Upper

43 100

58 25.1 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

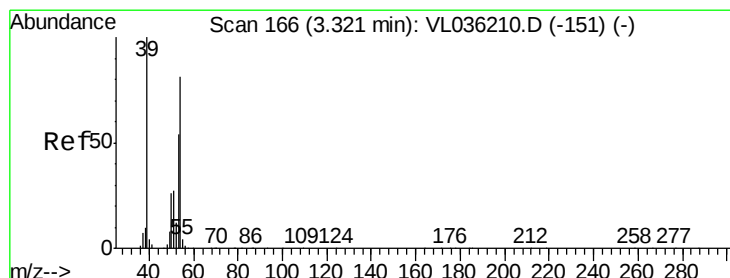
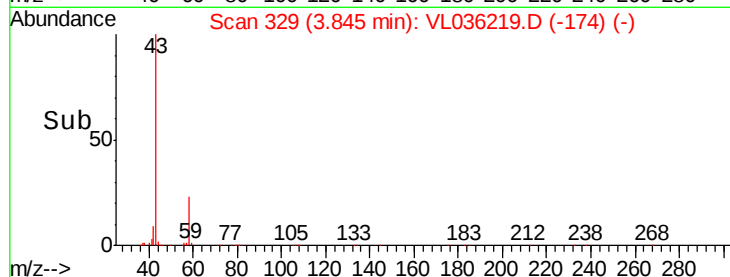
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.933 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036219.D

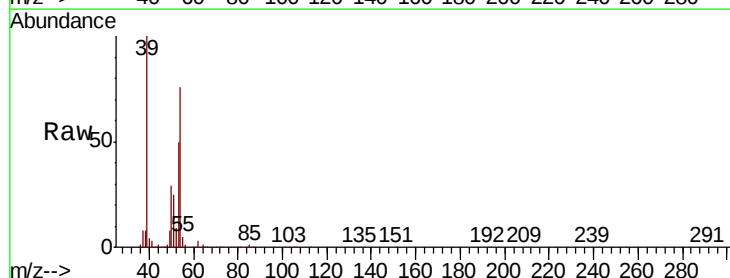
Acq: 13 Jan 2021 9:38

Tgt Ion: 39 Resp: 828648

Ion Ratio Lower Upper

39 100

54 75.9 62.5 93.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

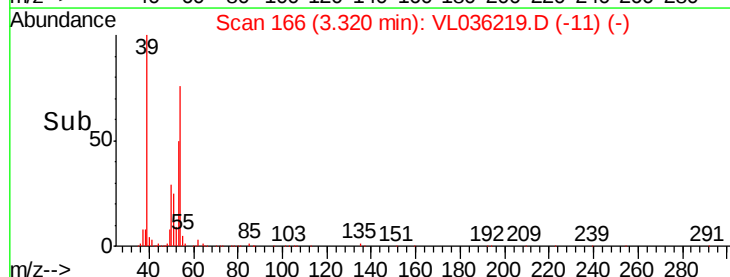
300000

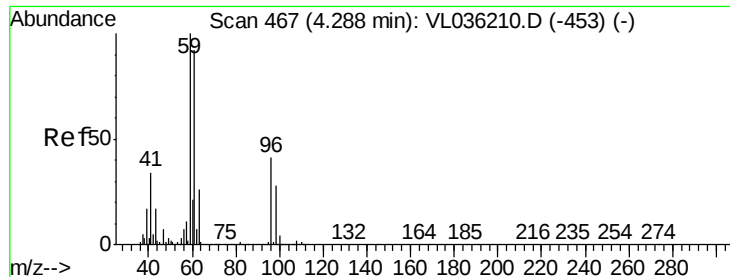
200000

100000

0

Time-->



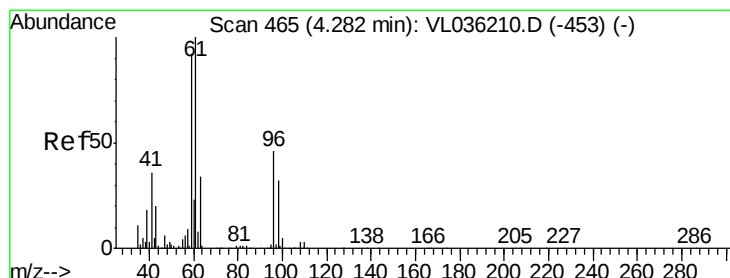
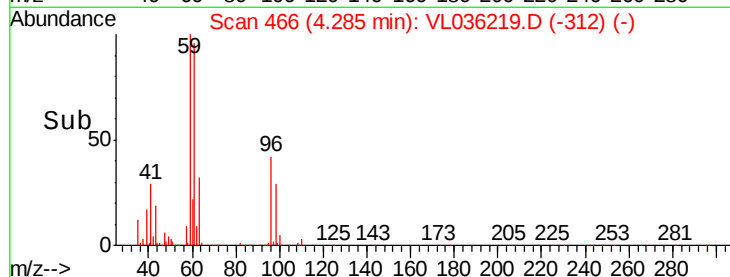
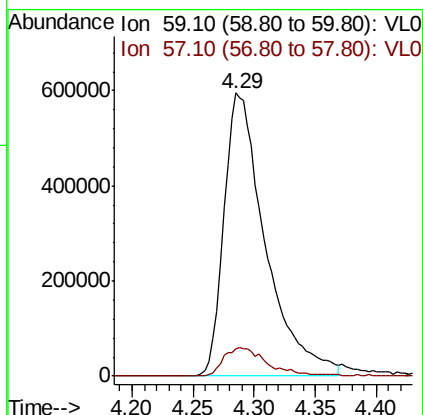
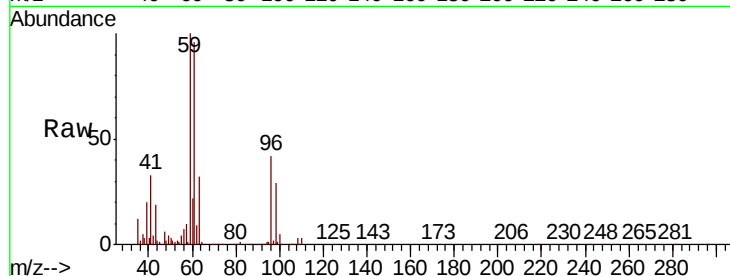


#17

tert-Butyl alcohol
Concen: 9.861 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

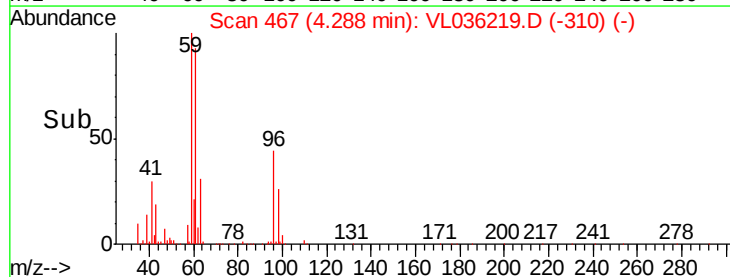
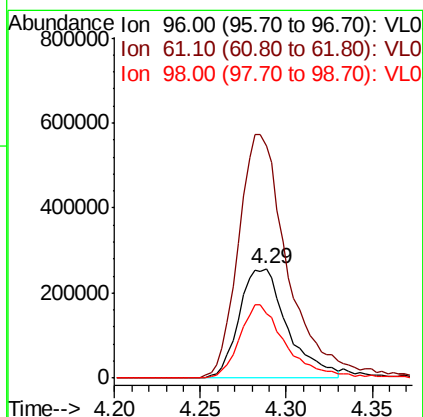
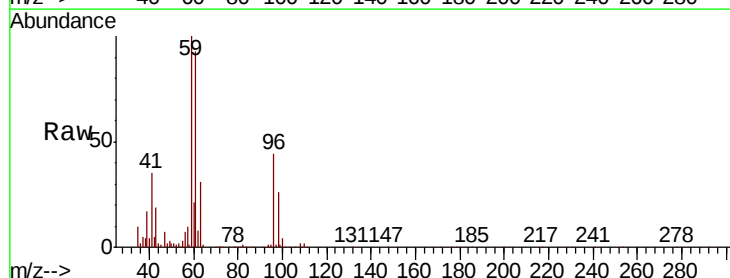
Tot Ion: 59 Resp: 1414127
Ion Ratio Lower Upper
59 100
57 11.1 9.2 13.8

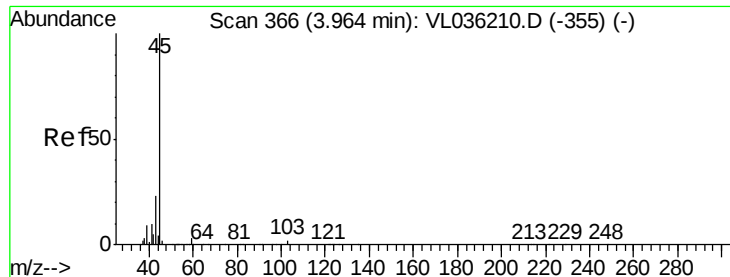


#18

1,1-Dichloroethene
Concen: 9.439 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 96 Resp: 500319
Ion Ratio Lower Upper
96 100
61 212.0 173.4 260.0
98 58.6 54.9 82.3





#19

Isopropyl Alcohol

Concen: 9.528 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

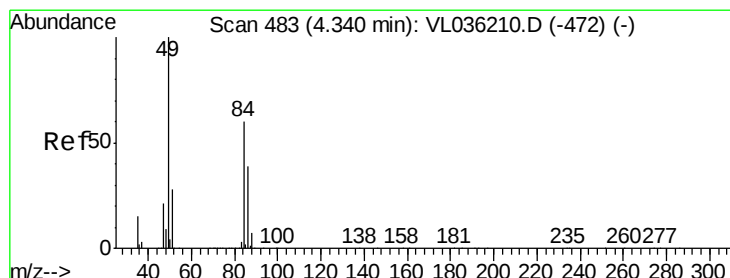
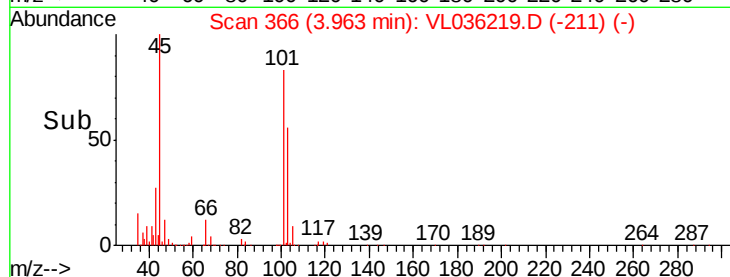
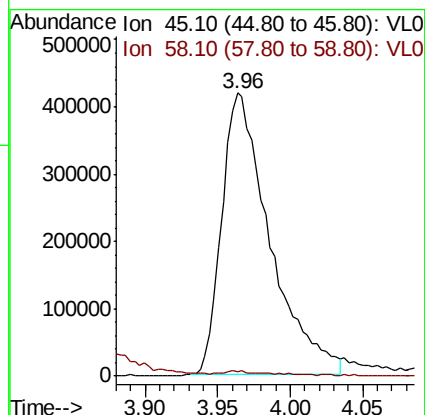
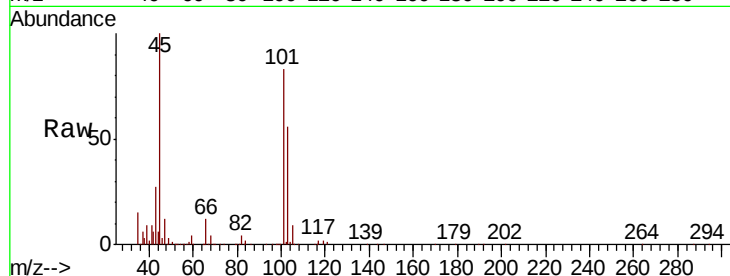
VL0113ABS01

Tot Ion: 45 Resp: 964067

Ion Ratio Lower Upper

45 100

58 1.4 1.9 2.9#



#20

Methylene Chloride

Concen: 8.295 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion: 84 Resp: 444673

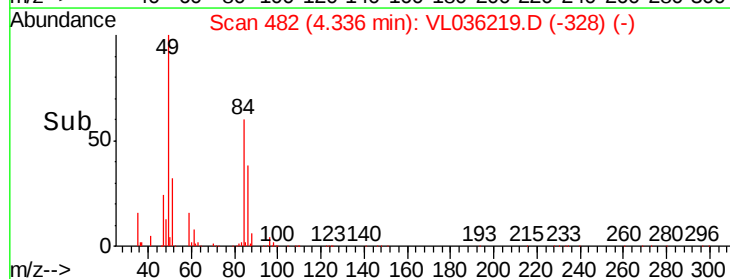
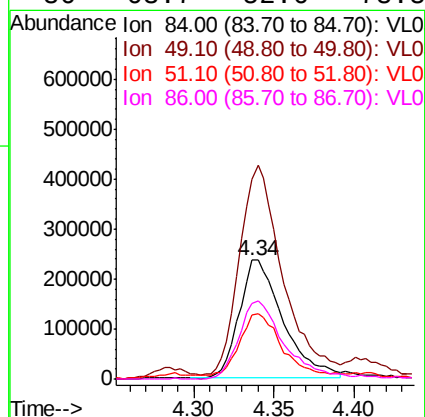
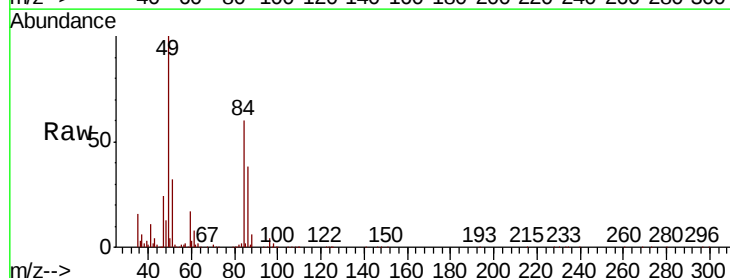
Ion Ratio Lower Upper

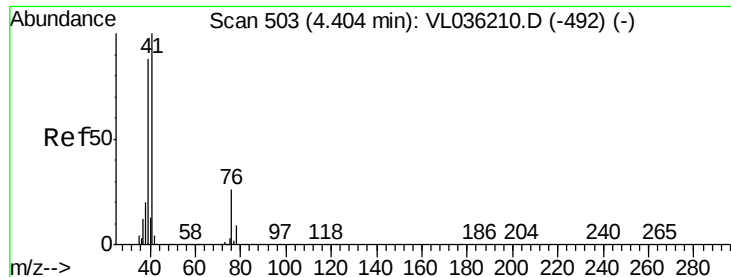
84 100

49 164.1 134.1 201.1

51 50.9 37.4 56.0

86 63.7 52.6 78.8





#21

Allvl Chloride

Concen: 9.988 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

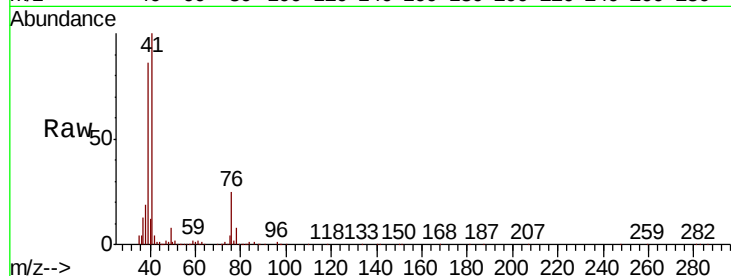
Tot Ion: 41 Resp: 954032

Ion Ratio Lower Upper

41 100

76 26.5 20.5 30.7

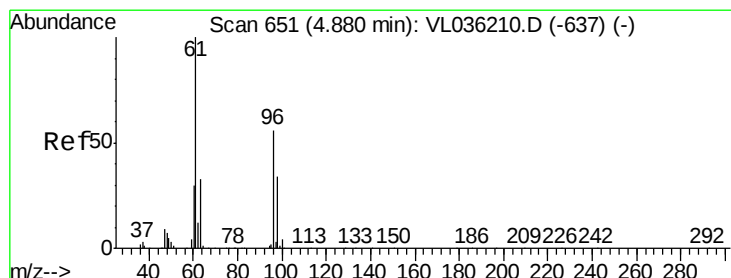
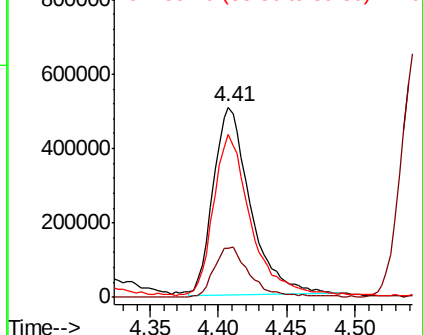
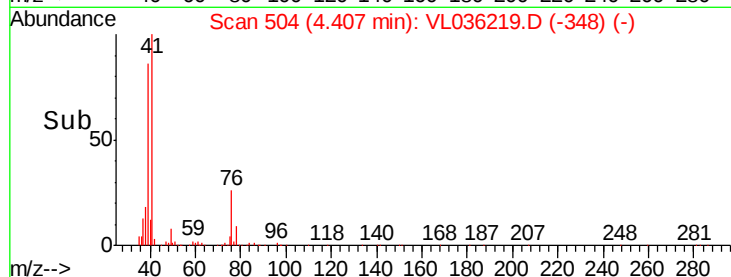
39 87.6 67.8 101.8



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: 9.947 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

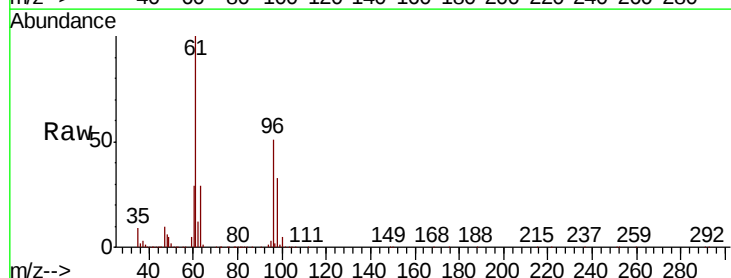
Tgt Ion: 96 Resp: 491468

Ion Ratio Lower Upper

96 100

61 194.6 142.7 214.1

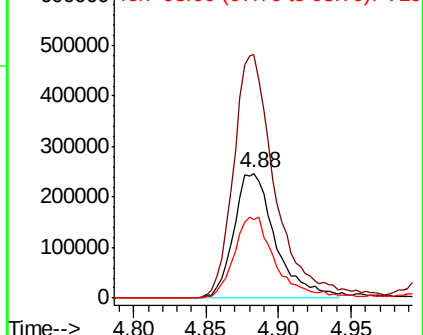
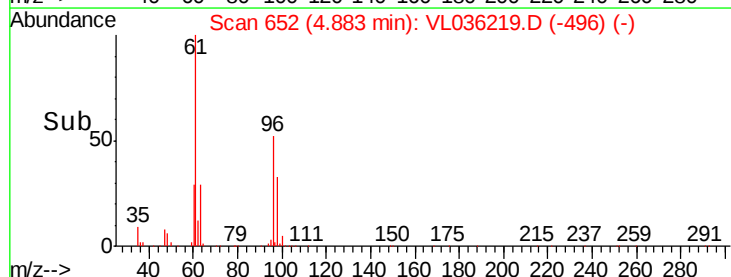
98 63.3 48.7 73.1

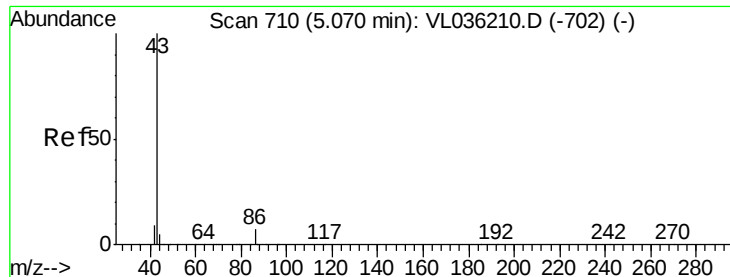


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.530 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

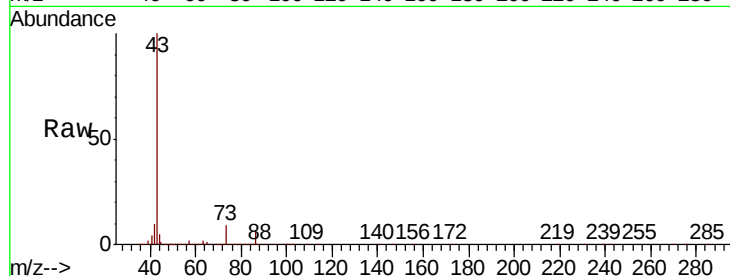
MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 43 Resp: 2102380

Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.9	7.3
42	9.3	7.8	11.6
44	5.2	3.7	5.5

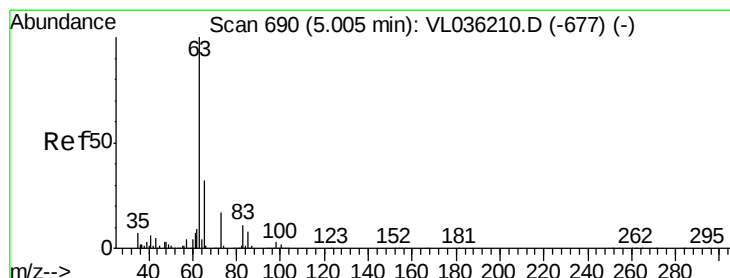
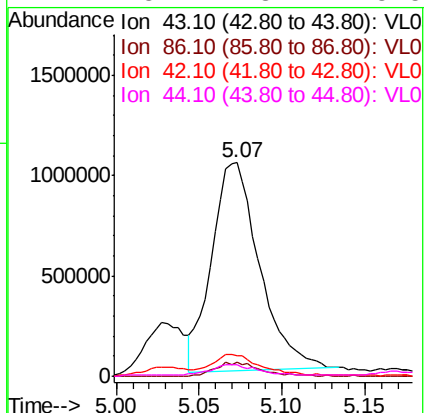
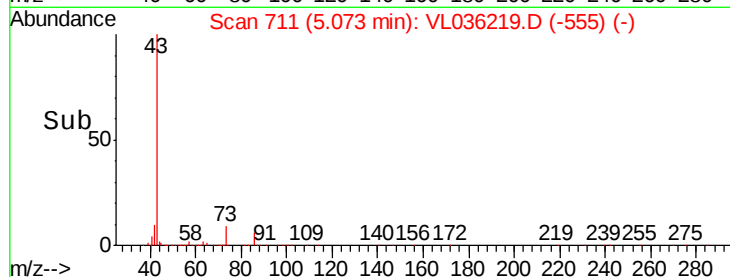


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.515 ppbv

RT: 5.01 min Scan# 690

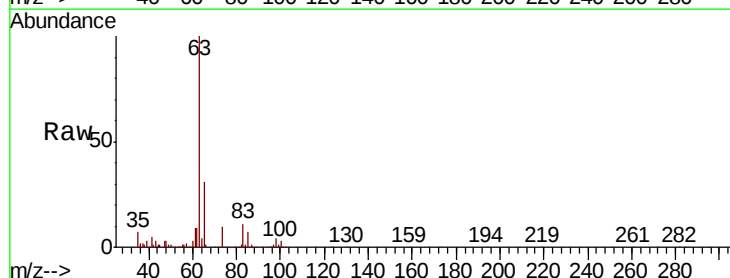
Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion: 63 Resp: 1490094

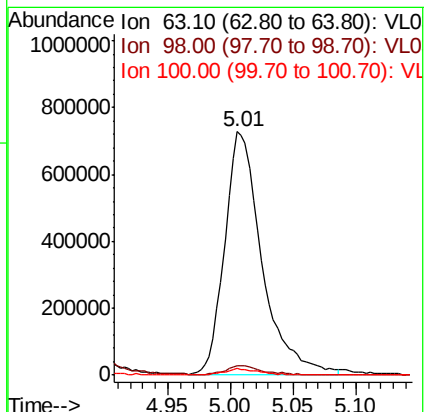
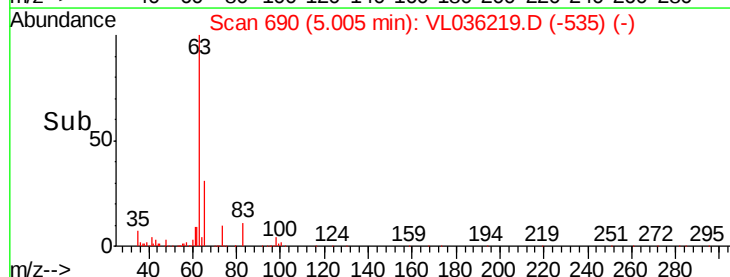
Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.7	5.1
100	2.5	1.1	3.1

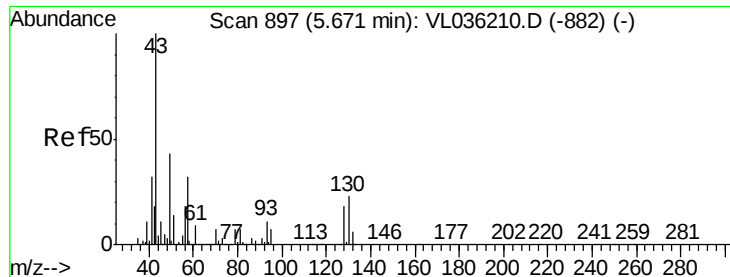


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



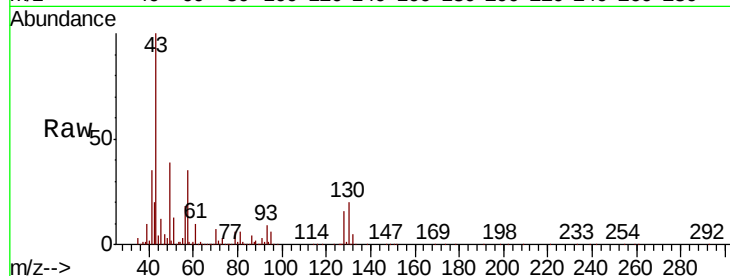


#25
Ethyl Acetate
Concen: 9.199 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 43 Resp: 3279015

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.4	7.4	11.2
70	6.7	5.5	8.3



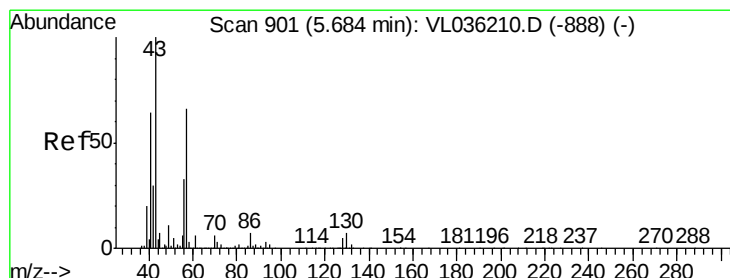
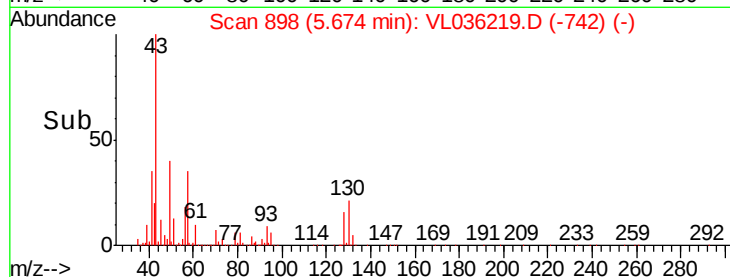
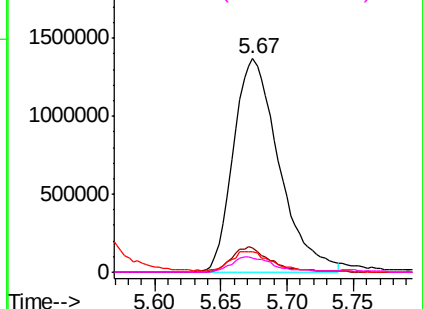
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

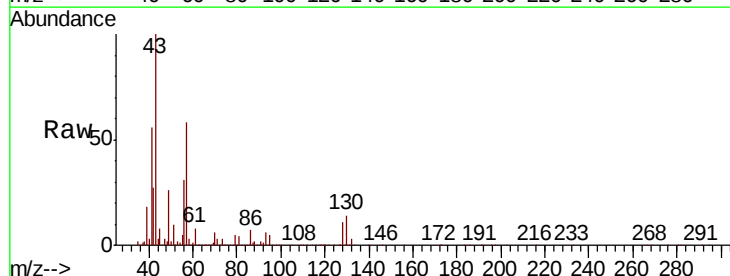
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.948 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 57 Resp: 1333821

Ion	Ratio	Lower	Upper
57	100		
41	104.2	83.0	124.6
43	254.2	202.4	303.6
56	53.6	43.4	65.0



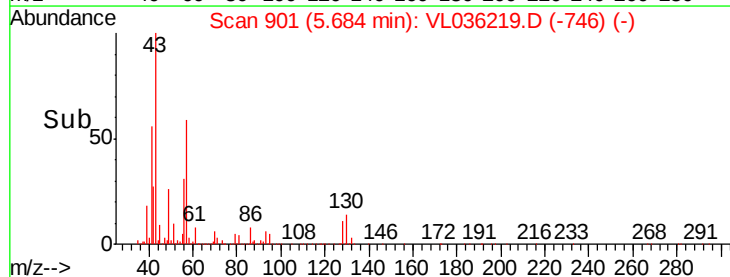
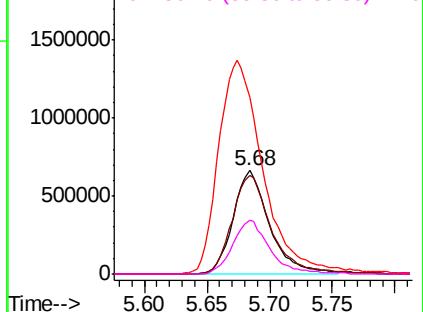
Abundance

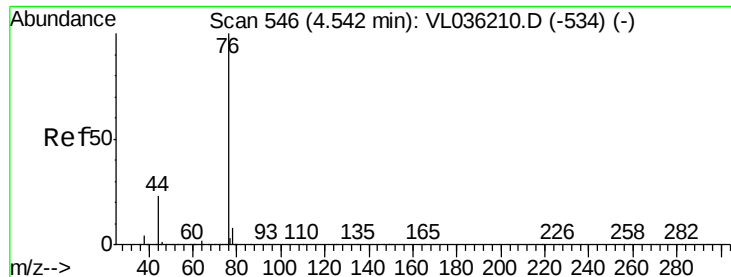
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.145 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

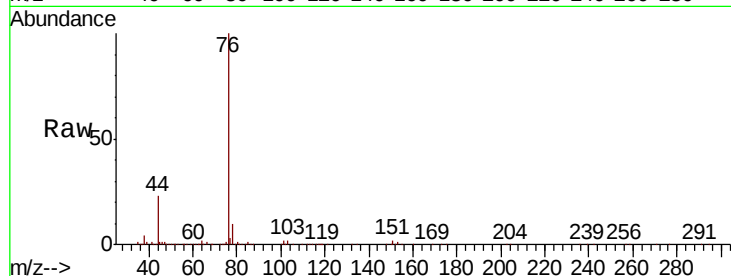
Tot Ion: 76 Resp: 1335435

Ion Ratio Lower Upper

76 100

44 24.0 19.0 28.6

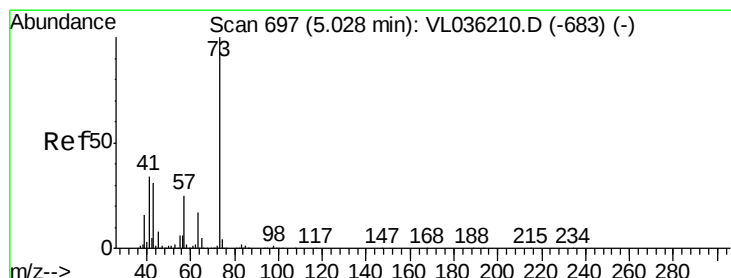
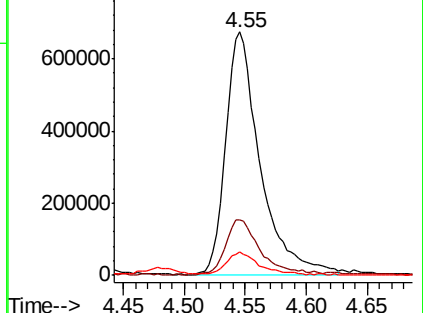
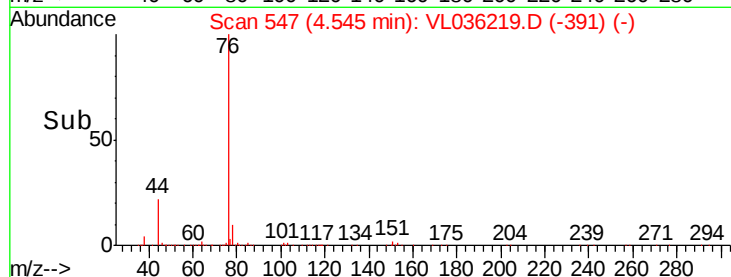
78 9.8 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.342 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL036219.D

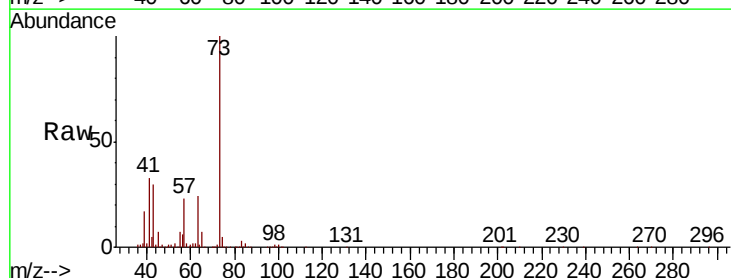
Acq: 13 Jan 2021 9:38

Tgt Ion: 73 Resp: 1880294

Ion Ratio Lower Upper

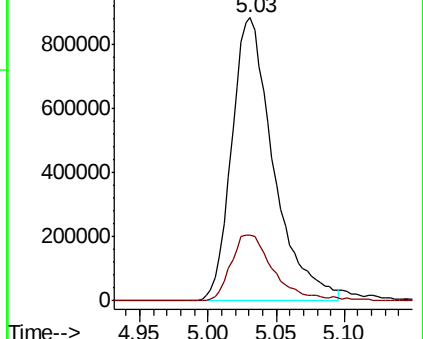
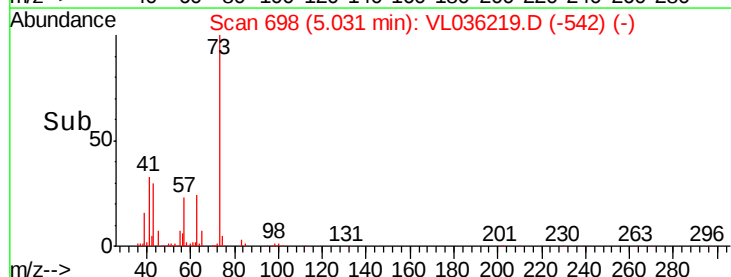
73 100

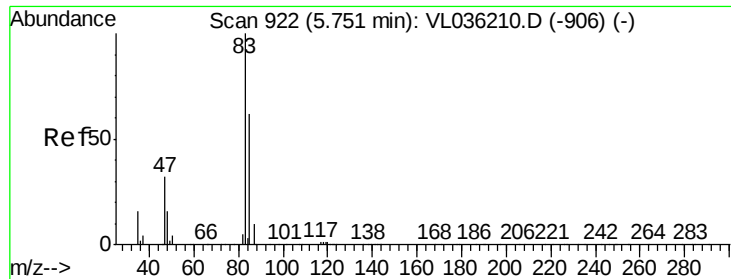
57 24.3 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.348 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

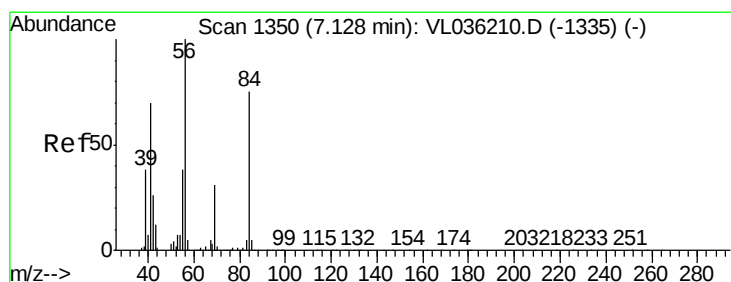
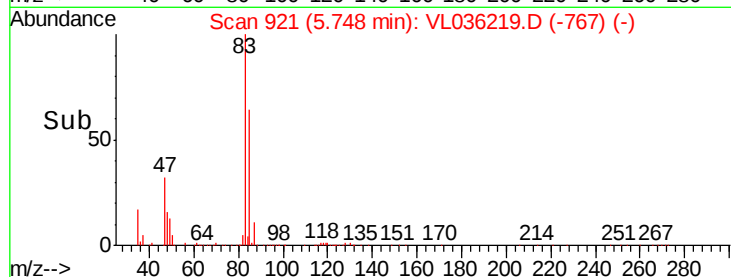
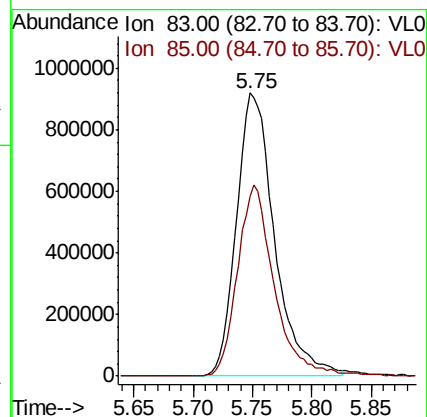
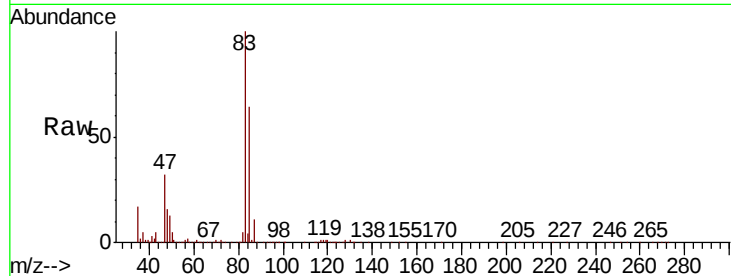
VL0113ABS01

Tot Ion: 83 Resp: 2039614

Ion Ratio Lower Upper

83 100

85 63.5 49.3 73.9



#30

Cyclohexane

Concen: 9.531 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

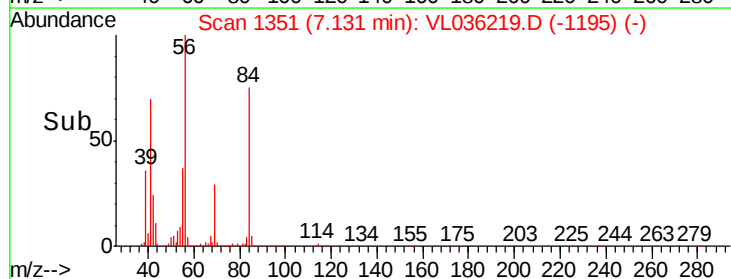
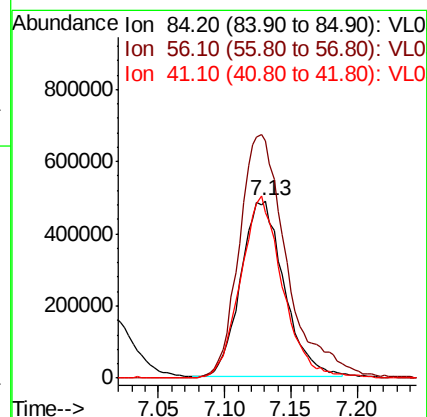
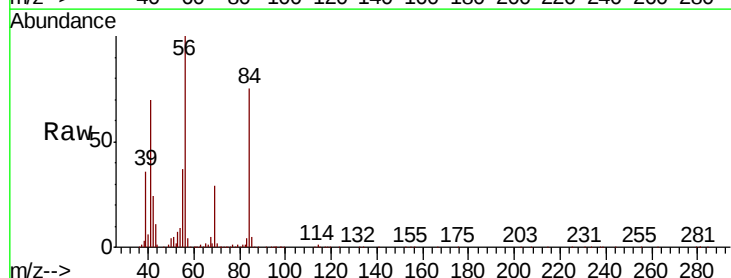
Tgt Ion: 84 Resp: 1109574

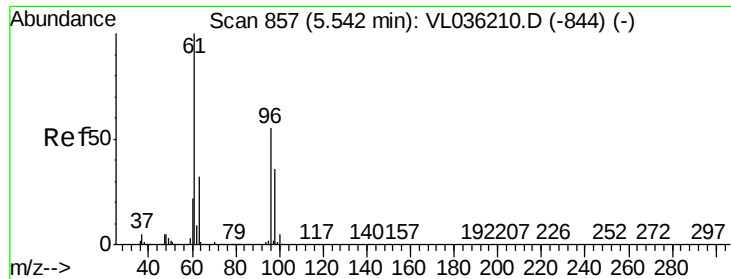
Ion Ratio Lower Upper

84 100

56 153.5 119.4 179.0

41 100.6 79.4 119.0



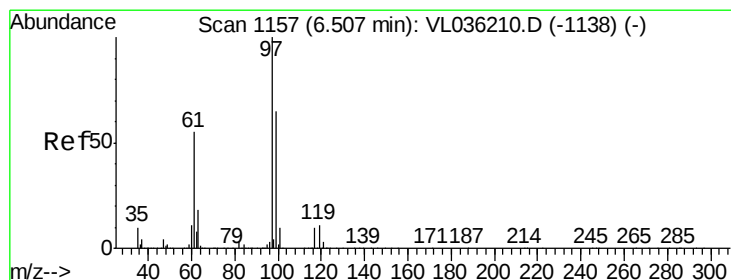
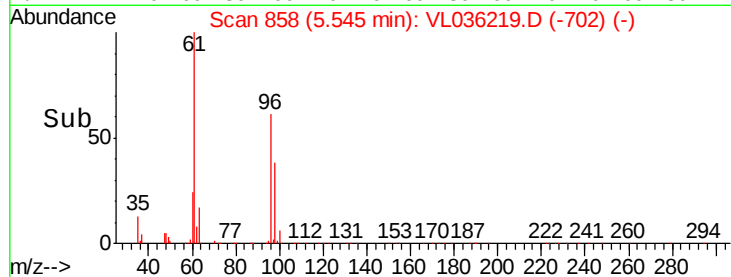
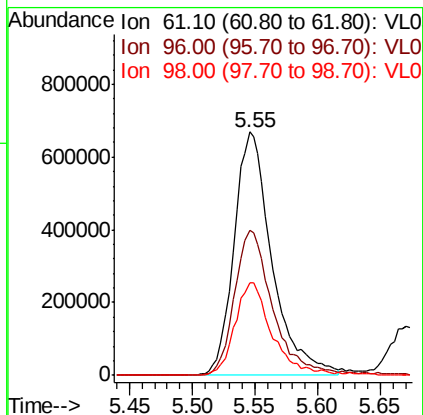
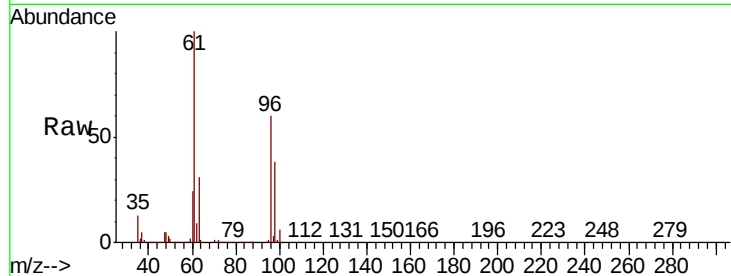


#31

cis-1,2-Dichloroethene
 Concen: 9.741 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

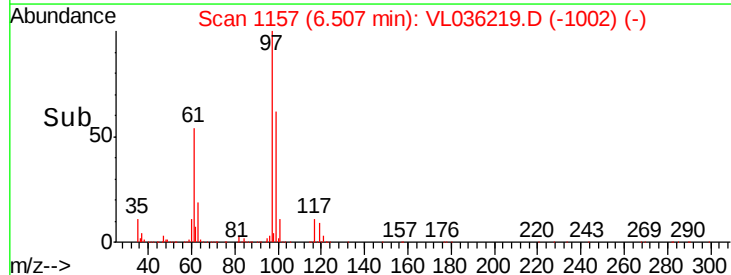
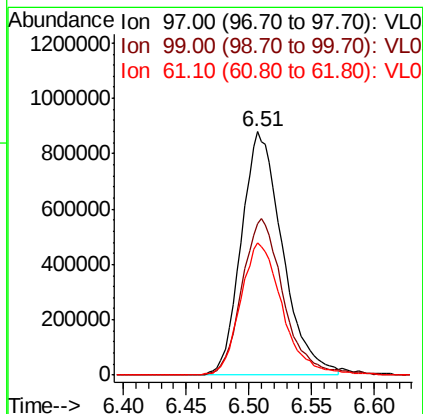
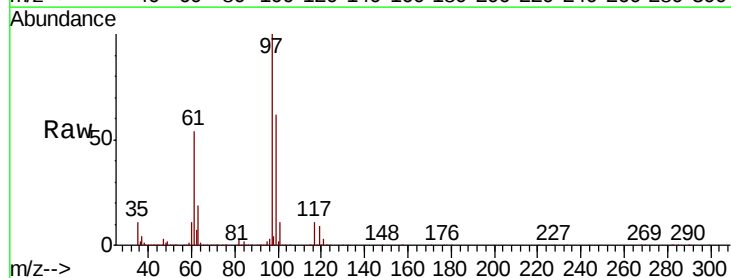
Tot Ion: 61 Resp: 1400472
 Ion Ratio Lower Upper
 61 100
 96 59.8 44.1 66.1
 98 38.0 28.6 42.8

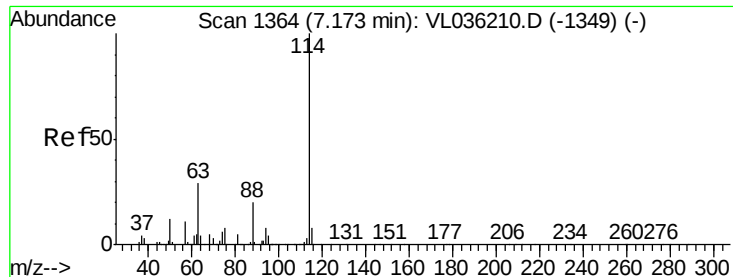


#32

1,1,1-Trichloroethane
 Concen: 9.563 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 97 Resp: 2011585
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.0 78.0
 61 55.3 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

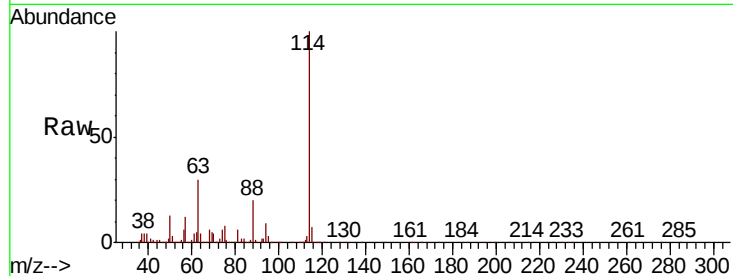
Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion:114 Resp: 3318776

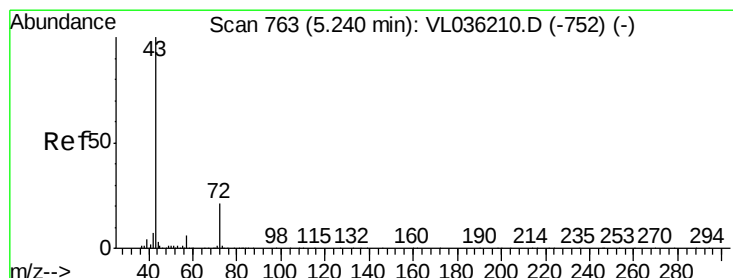
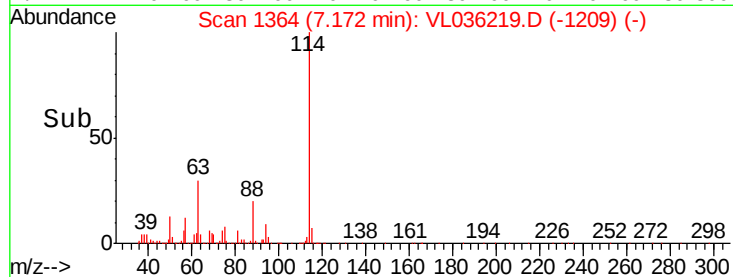
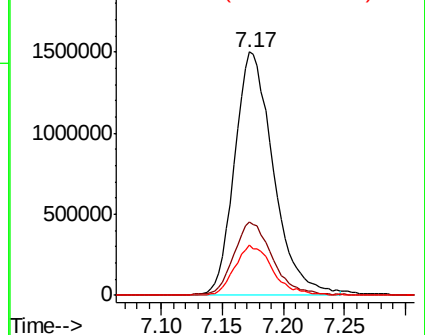
Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.4	16.6	24.8



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: 10.031 ppbv

RT: 5.24 min Scan# 763

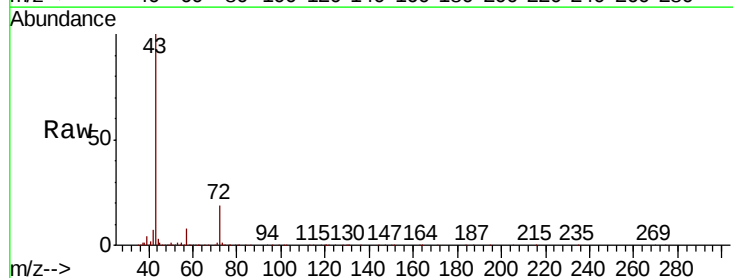
Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

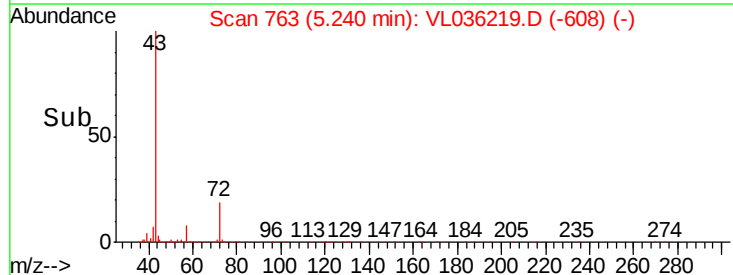
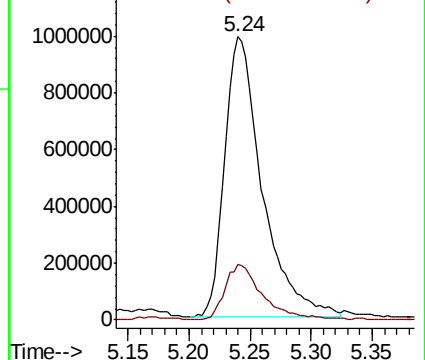
Tgt Ion: 43 Resp: 2121626

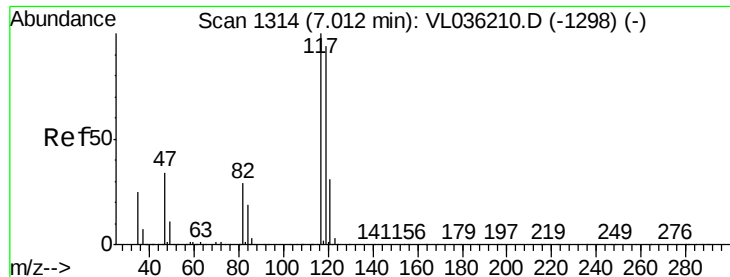
Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.1	24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.635 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

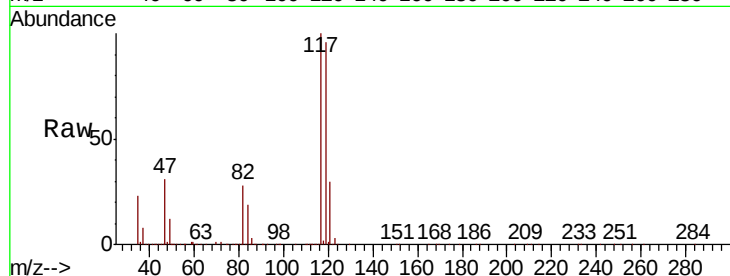
Tot Ion:117 Resp: 2020401

Ion Ratio Lower Upper

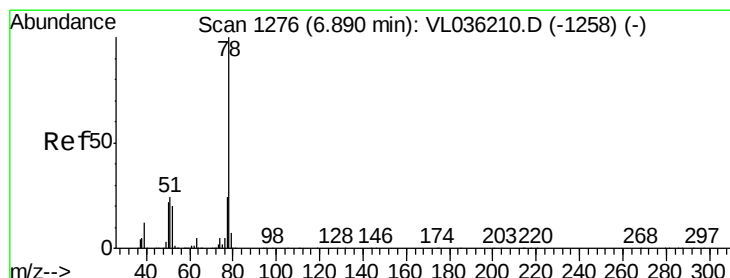
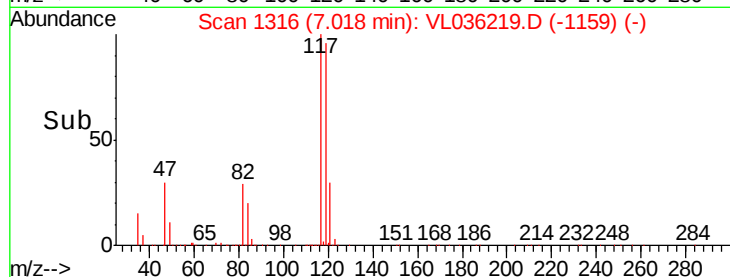
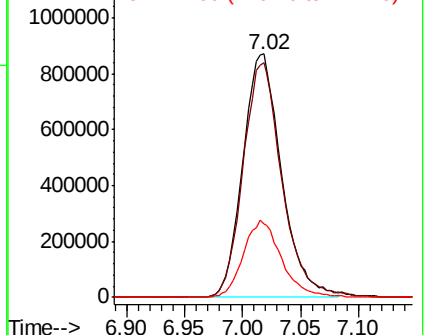
117 100

119 96.4 74.9 112.3

121 29.9 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: 9.104 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

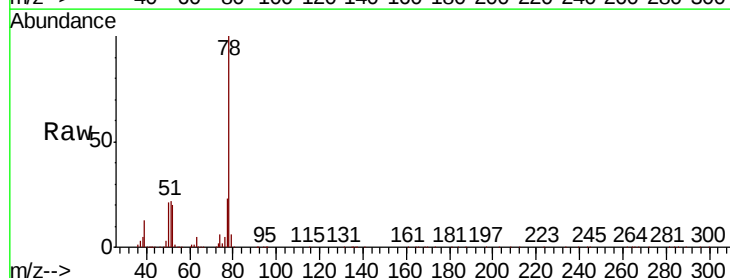
Tgt Ion: 78 Resp: 2768603

Ion Ratio Lower Upper

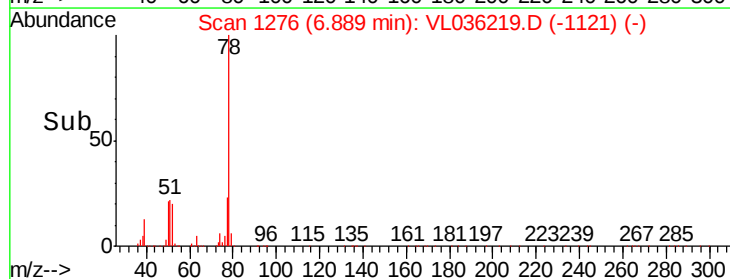
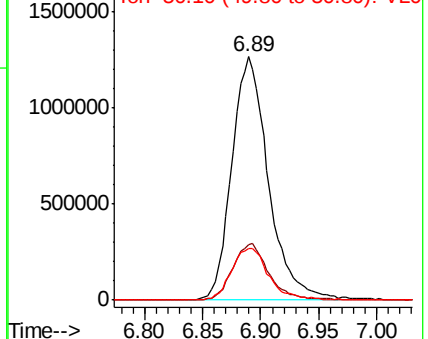
78 100

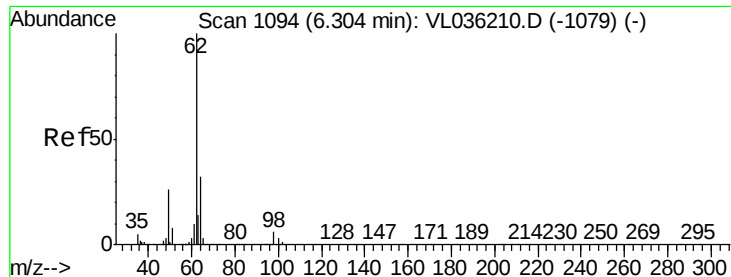
77 22.5 19.4 29.0

50 21.3 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

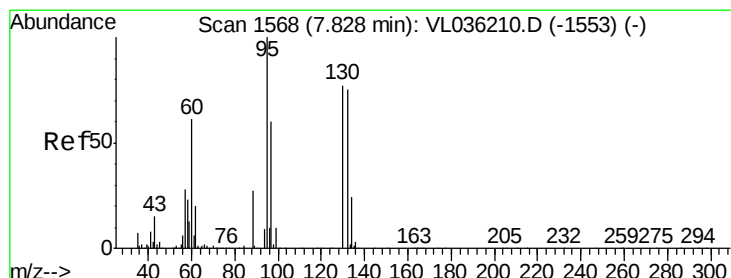
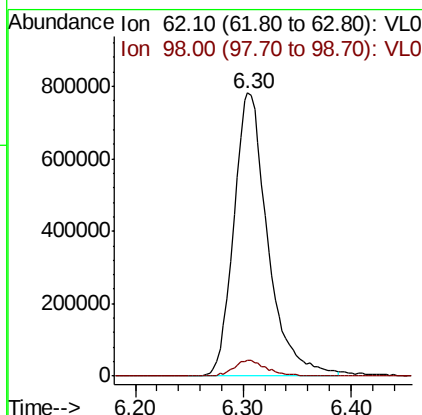
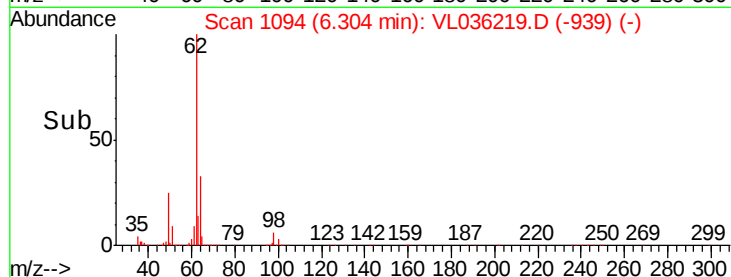
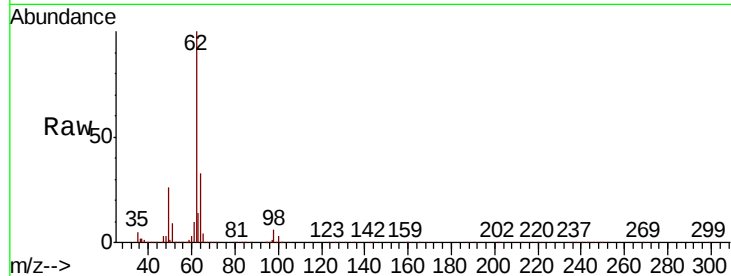




#37
 1,2-Dichloroethane
 Concen: 9.373 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

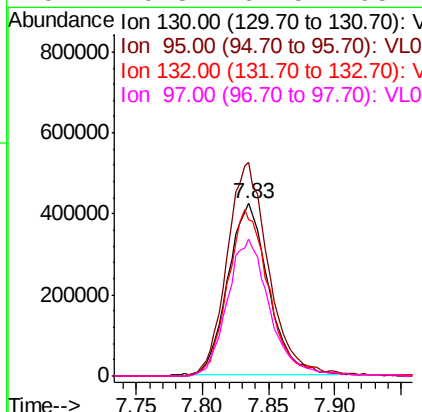
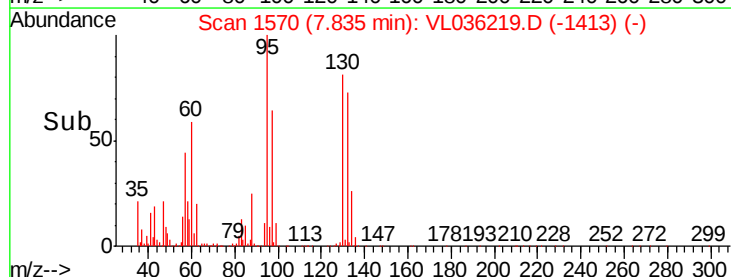
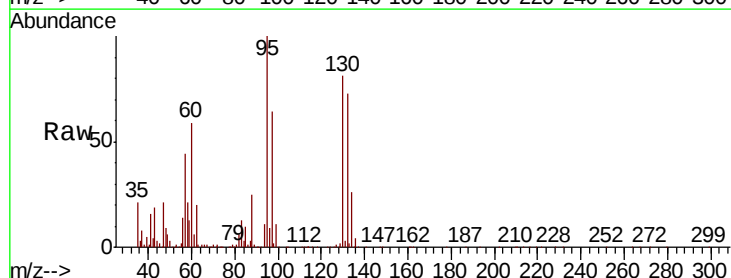
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

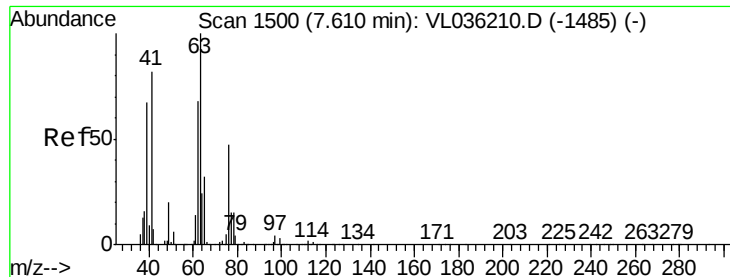
Tot Ion: 62 Resp: 1715165
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.4 6.6



#38
 Trichloroethene
 Concen: 7.796 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 130 Resp: 886542
 Ion Ratio Lower Upper
 130 100
 95 124.9 103.9 155.9
 132 91.0 77.4 116.2
 97 79.8 62.5 93.7



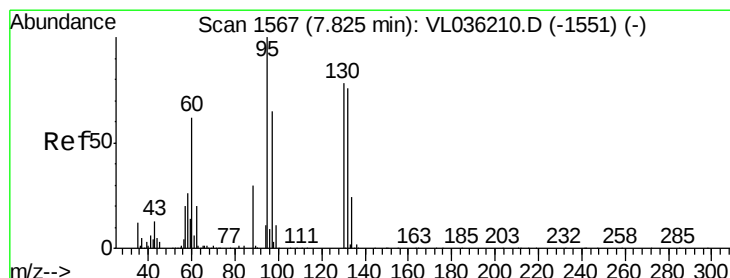
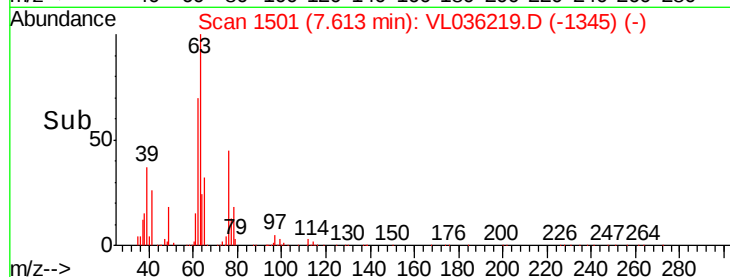
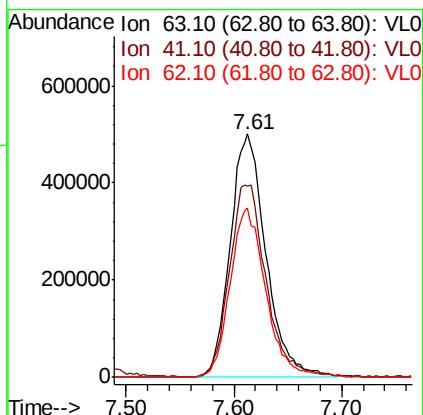
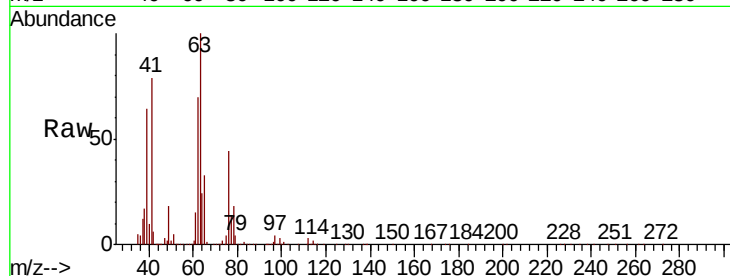


#39
 1,2-Dichloropropane
 Concen: 9.352 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion: 63 Resp: 1154640

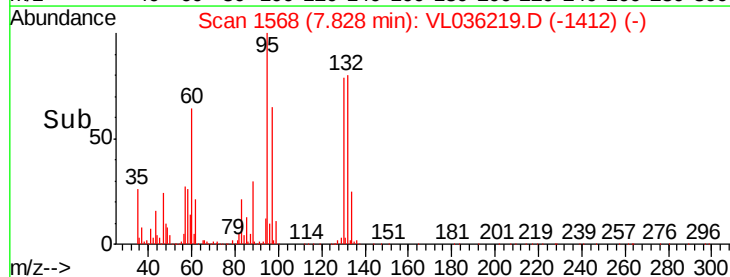
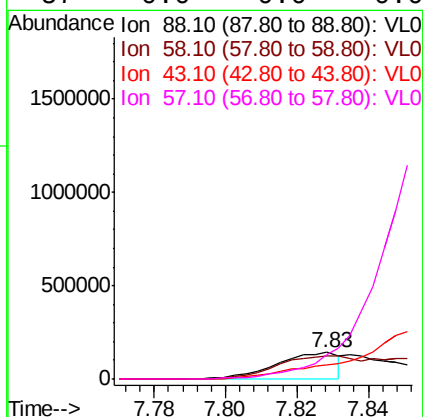
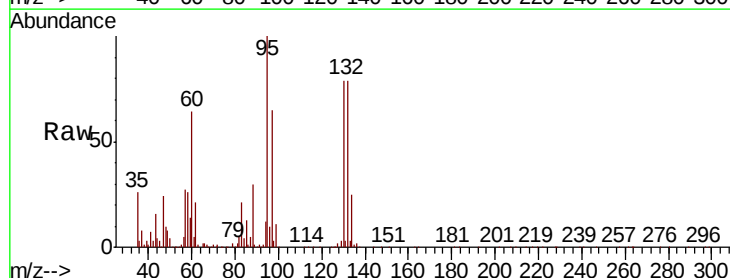
Ion	Ratio	Lower	Upper
63	100		
41	78.6	66.1	99.1
62	69.7	54.8	82.2

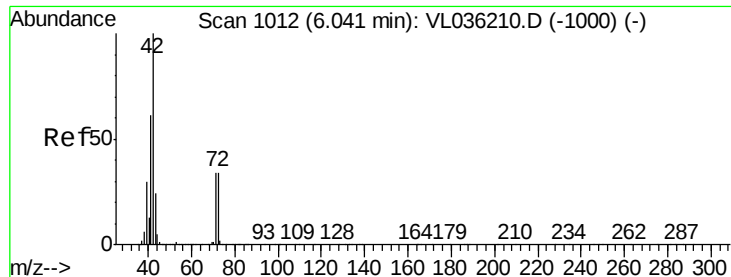


#40
 1,4-Dioxane
 Concen: 3.782 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 88 Resp: 168895

Ion	Ratio	Lower	Upper
88	100		
58	141.0	123.0	184.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.565 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

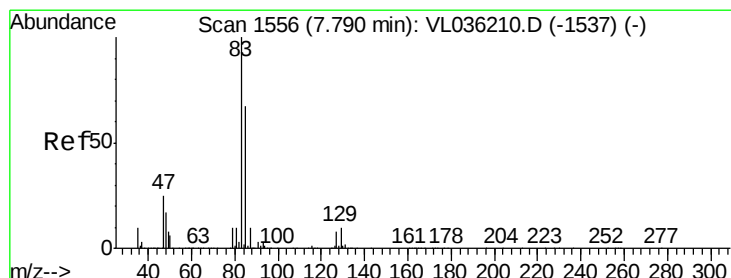
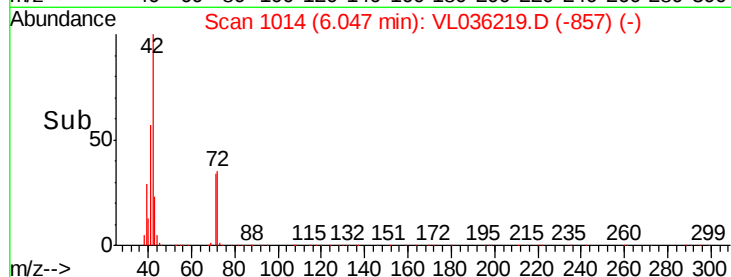
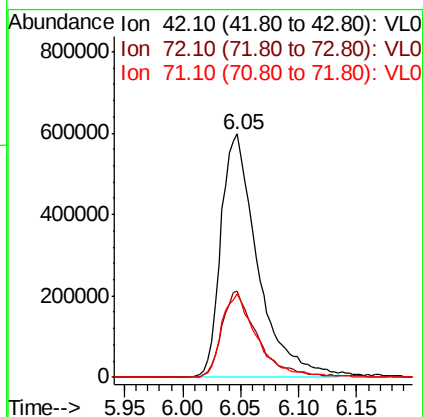
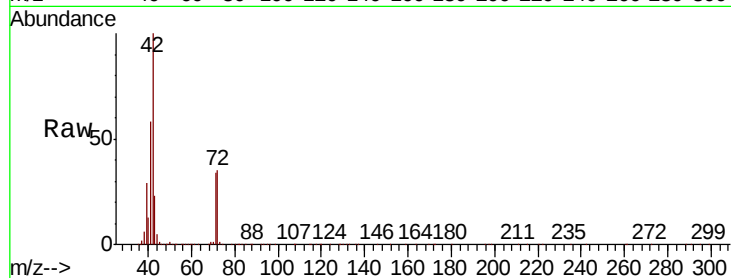
MSVOA_L

ClientSampleId :

VL0113ABS01

Tot Ion: 42 Resp: 1313922

Ion	Ratio	Lower	Upper
42	100		
72	34.8	29.5	44.3
71	34.1	29.1	43.7



#42

Bromodichloromethane

Concen: 9.693 ppbv

RT: 7.79 min Scan# 1556

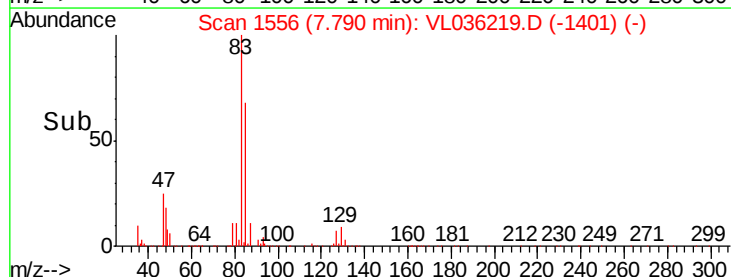
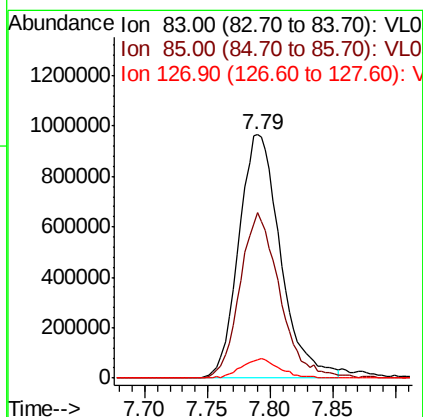
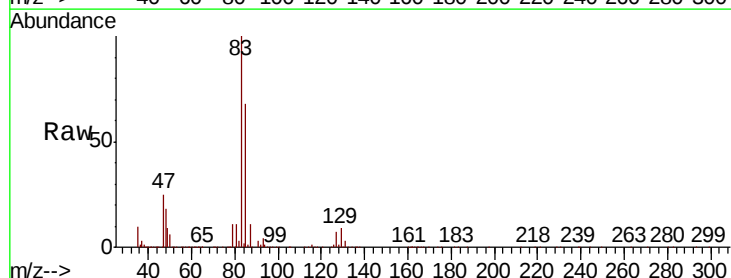
Delta R.T. -0.00 min

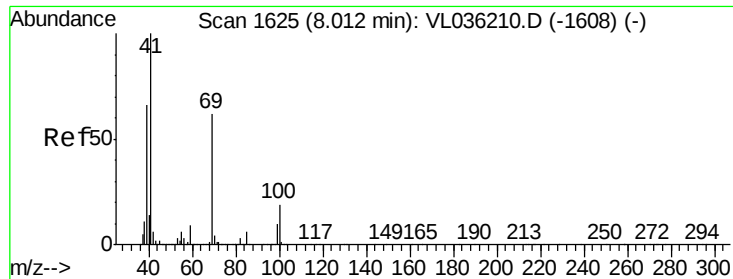
Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion: 83 Resp: 2229330

Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.4	80.2
127	7.4	6.2	9.2





#43

Methyl Methacrylate

Concen: 9.788 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.00 min

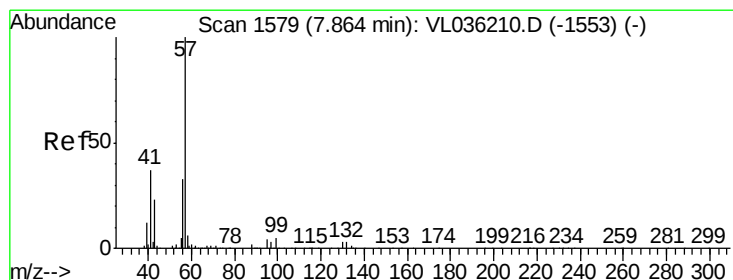
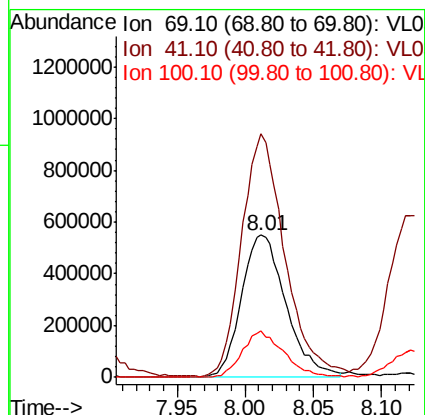
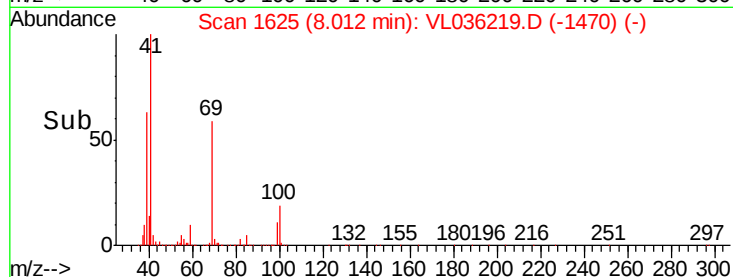
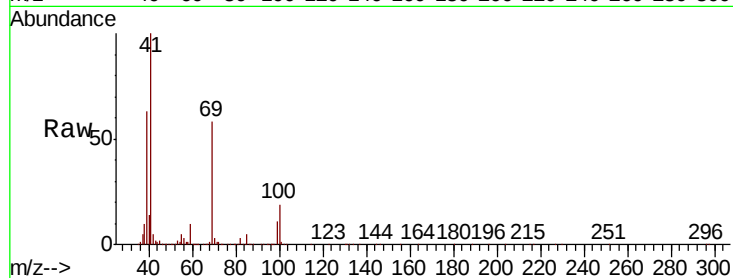
Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

Tot Ion: 69 Resp: 1244118

Ion	Ratio	Lower	Upper
69	100		
41	166.9	133.4	200.2
100	30.6	24.3	36.5



#44

2,2,4-Trimethylpentane

Concen: 8.643 ppbv

RT: 7.87 min Scan# 1580

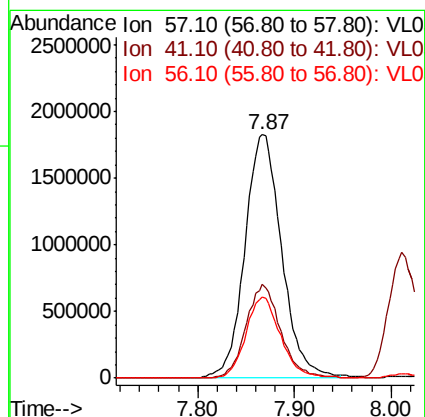
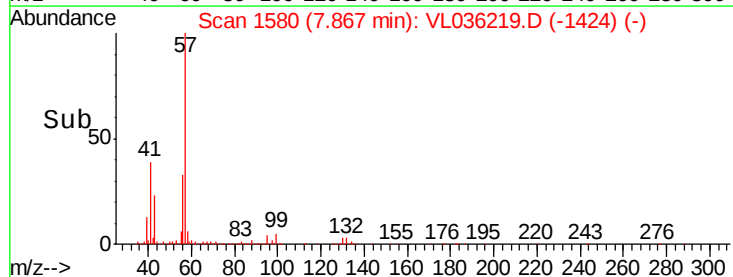
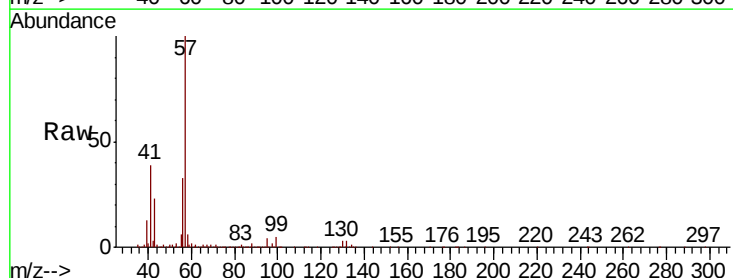
Delta R.T. 0.00 min

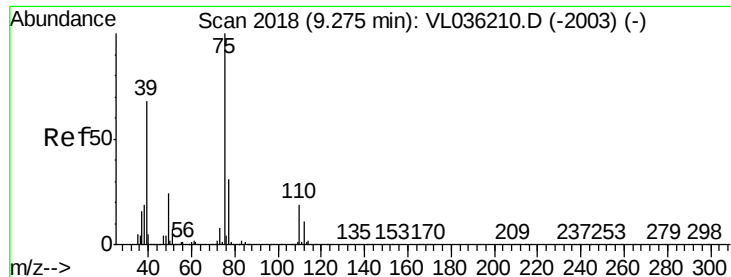
Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion: 57 Resp: 4827559

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.5	42.7
56	31.6	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 11.231 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

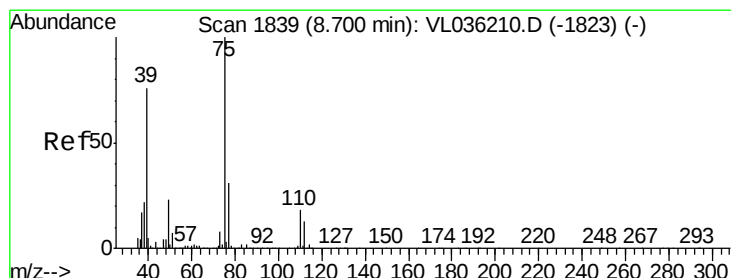
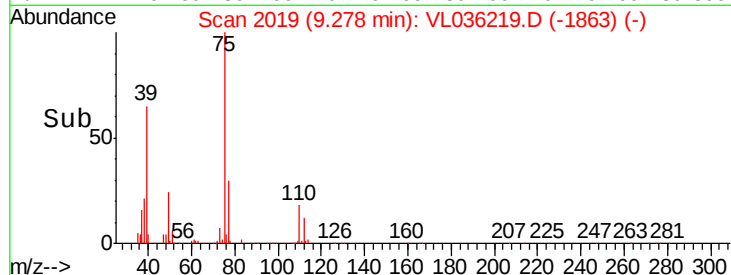
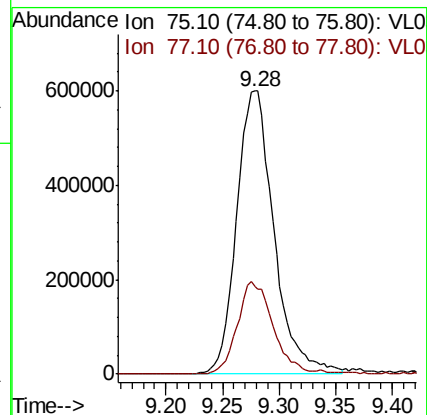
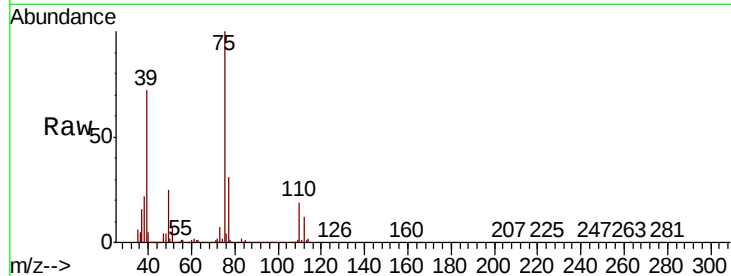
VL0113ABS01

Tot Ion: 75 Resp: 1378513

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.509 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

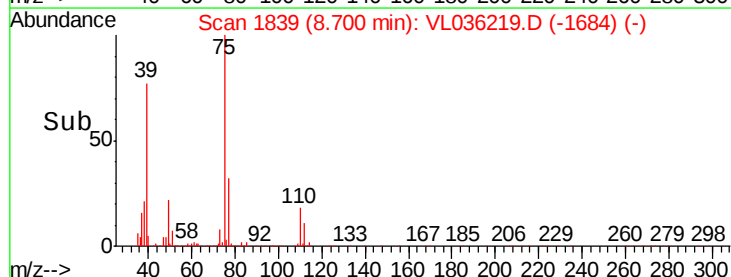
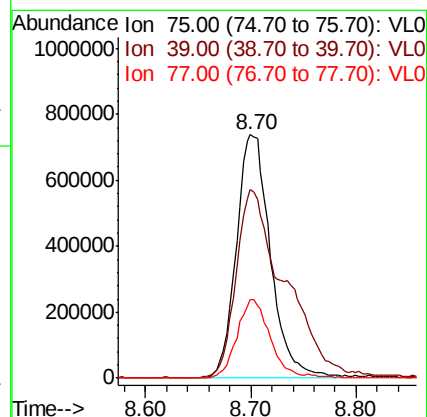
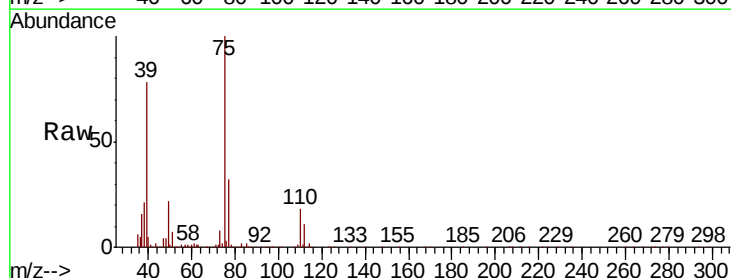
Tgt Ion: 75 Resp: 1657597

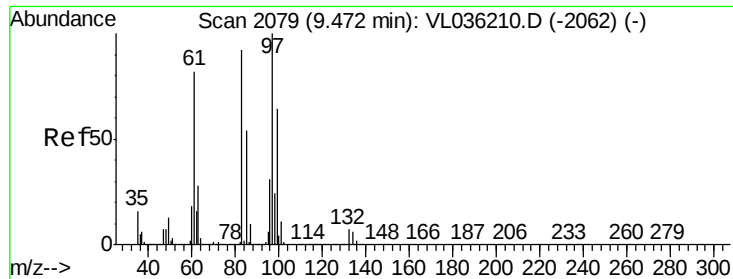
Ion Ratio Lower Upper

75 100

39 77.2 61.2 91.8

77 32.4 24.6 37.0



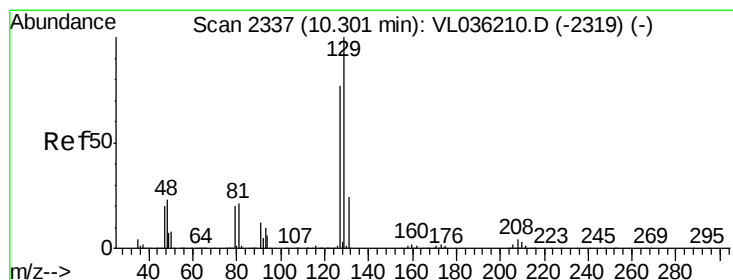
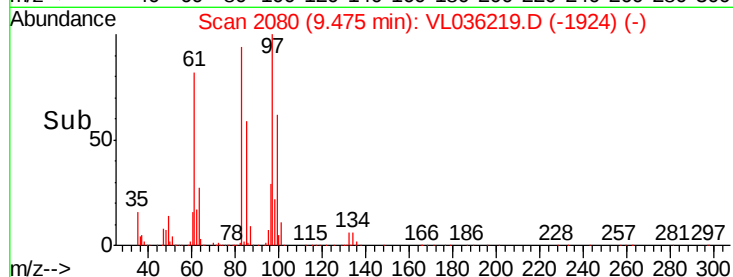
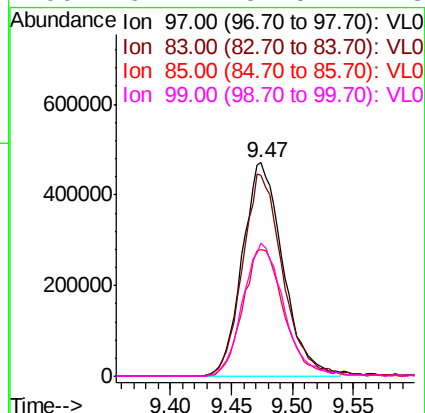
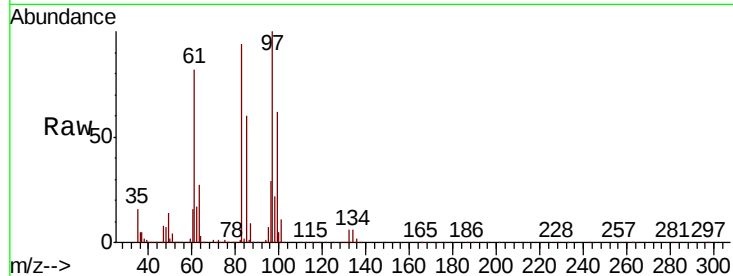


#47
 1,1,2-Trichloroethane
 Concen: 9.165 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Tot Ion: 97 Resp: 1082574

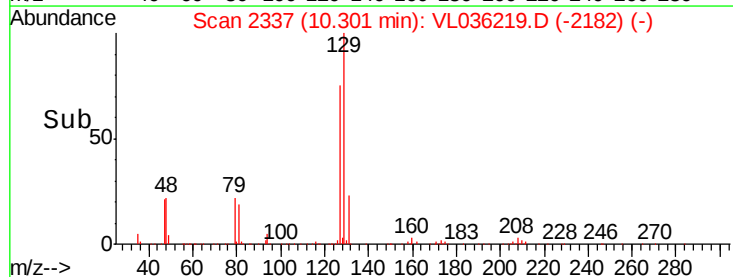
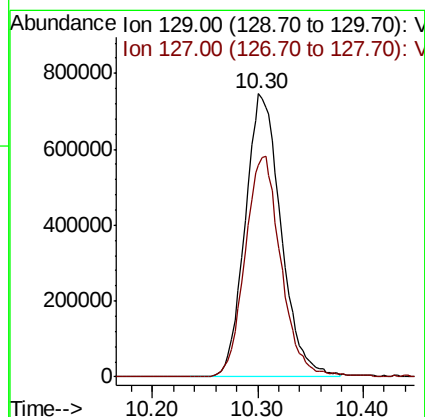
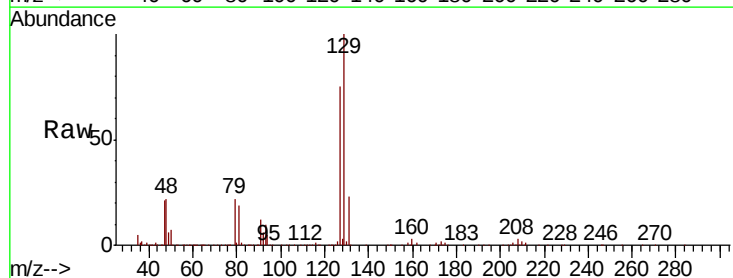
Ion	Ratio	Lower	Upper
97	100		
83	94.0	73.3	109.9
85	59.6	43.2	64.8
99	62.1	51.5	77.3

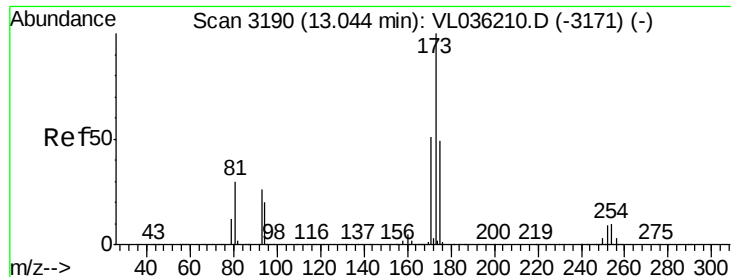


#48
 Dibromochloromethane
 Concen: 10.211 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 129 Resp: 1764555

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.6	118.8





#49

Bromoform

Concen: 10.315 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

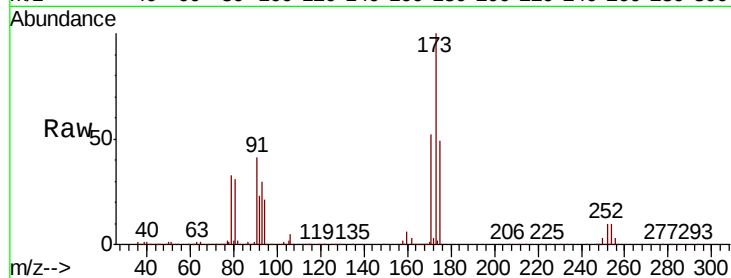
Tot Ion:173 Resp: 1455393

Ion Ratio Lower Upper

173 100

175 50.8 40.7 61.1

171 53.3 43.0 64.6

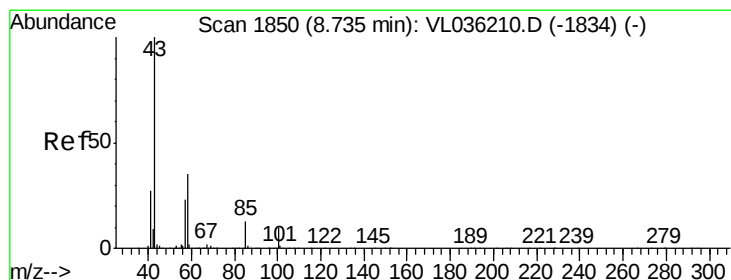
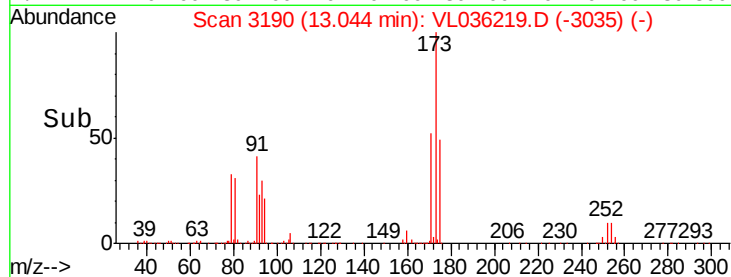
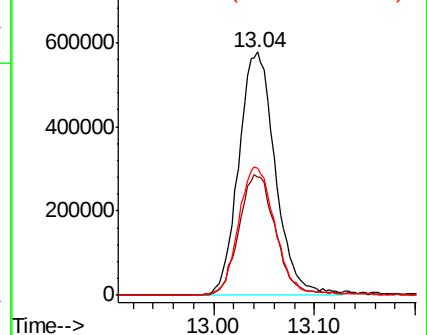


Abundance

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: 9.514 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL036219.D

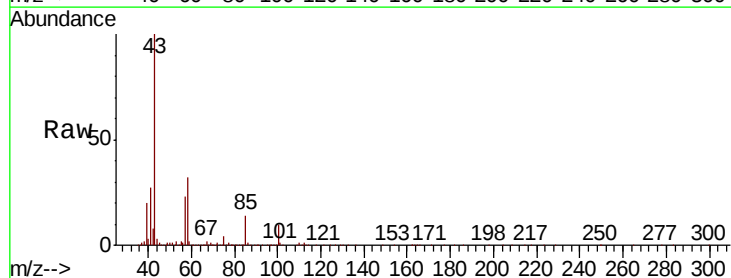
Acq: 13 Jan 2021 9:38

Tgt Ion: 43 Resp: 3373539

Ion Ratio Lower Upper

43 100

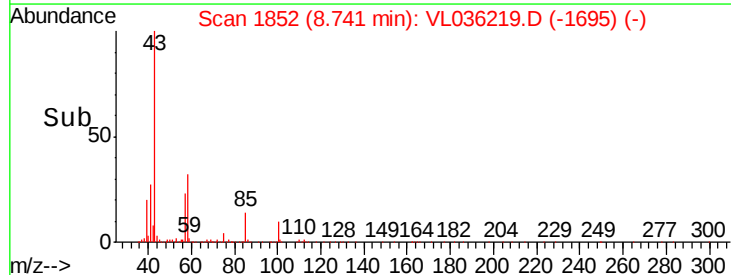
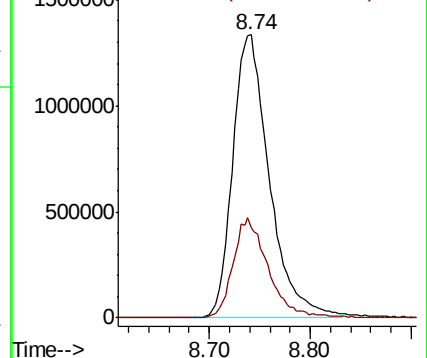
58 33.9 27.6 41.4

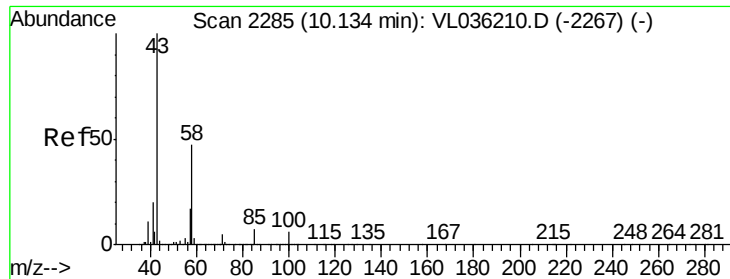


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

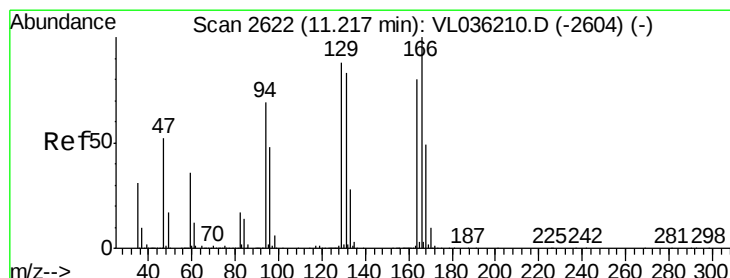
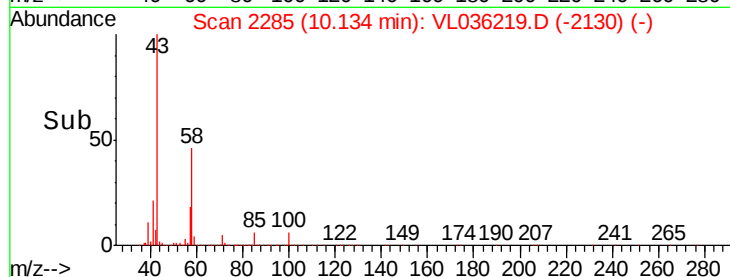
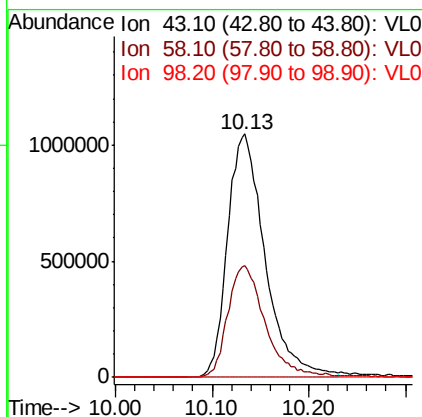
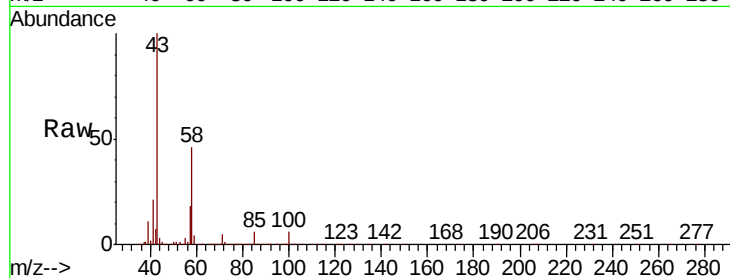




#51
2-Hexanone
Concen: 10.206 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

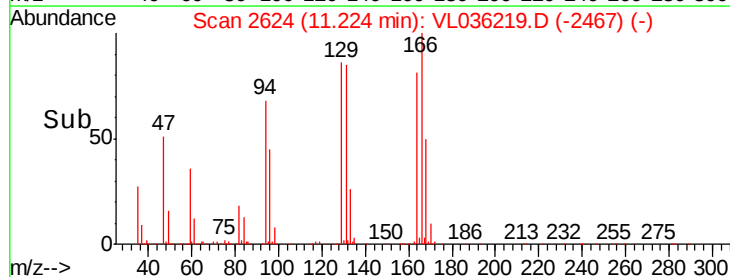
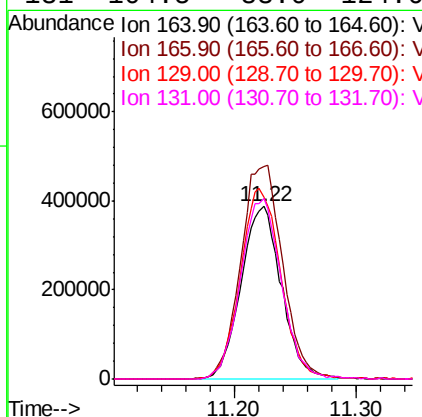
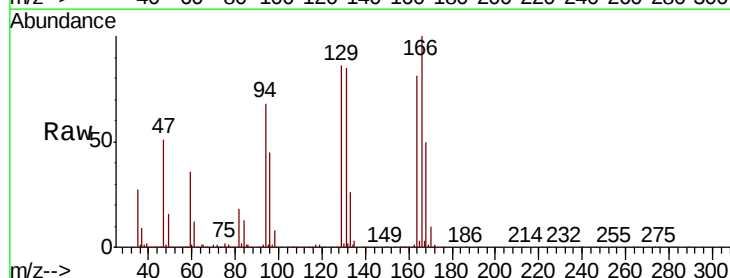
Instrument :
MSVOA_L
ClientSampleId :
VL0113ABS01

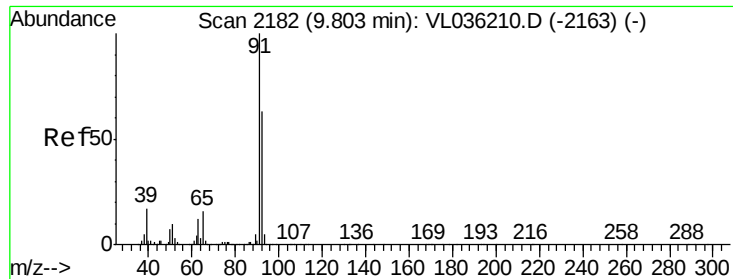
Tot Ion: 43 Resp: 2821928
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 7.900 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL036219.D
Acq: 13 Jan 2021 9:38

Tgt Ion: 164 Resp: 885290
Ion Ratio Lower Upper
164 100
166 123.0 99.9 149.9
129 105.6 88.2 132.4
131 104.5 83.0 124.6





#53

Toluene

Concen: 9.282 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

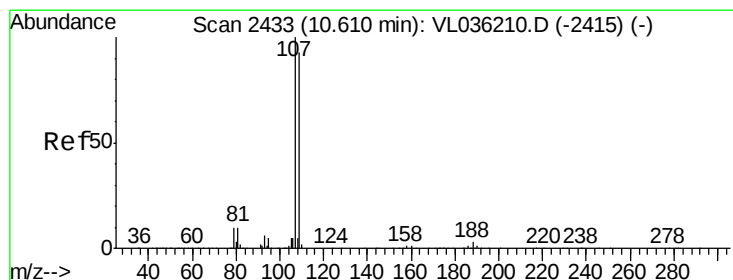
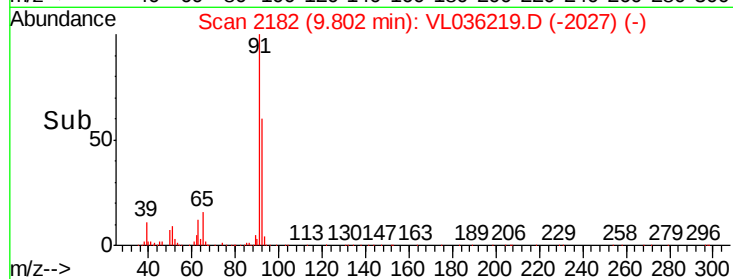
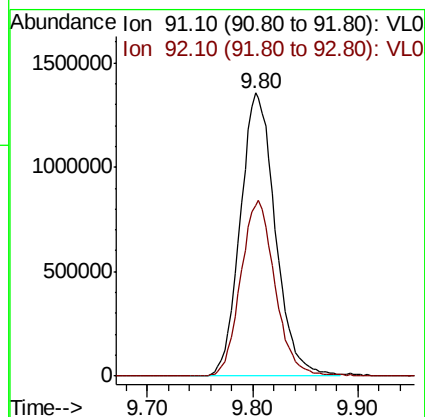
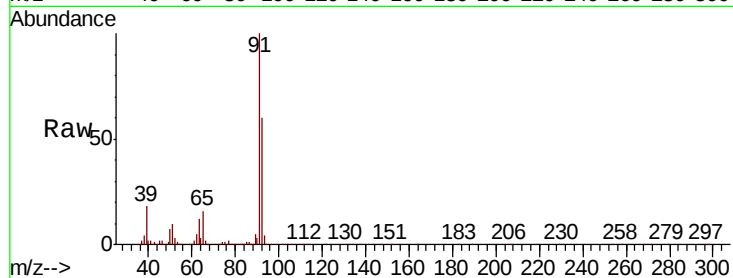
VL0113ABS01

Tot Ion: 91 Resp: 3124411

Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.236 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL036219.D

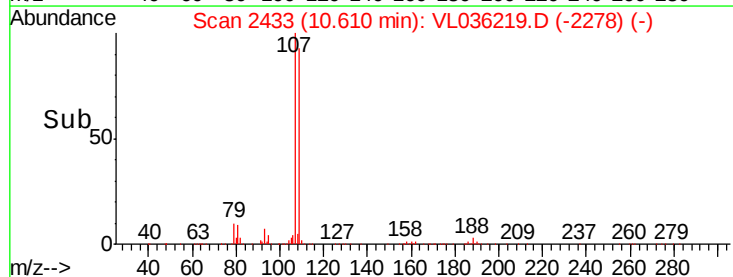
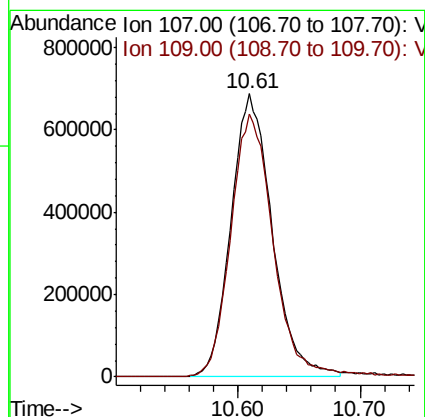
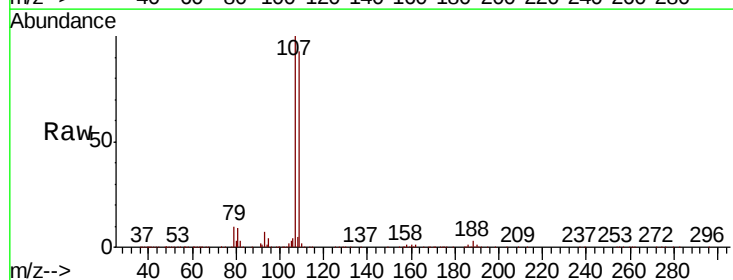
Acq: 13 Jan 2021 9:38

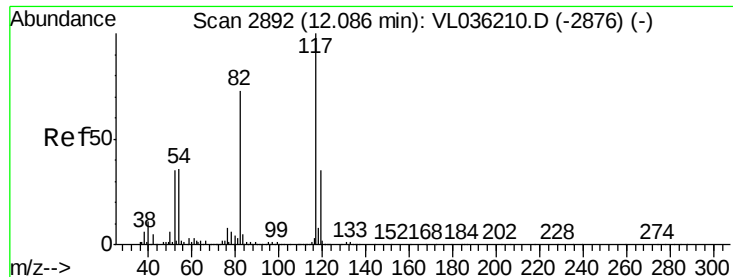
Tgt Ion: 107 Resp: 1598854

Ion Ratio Lower Upper

107 100

109 92.4 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: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

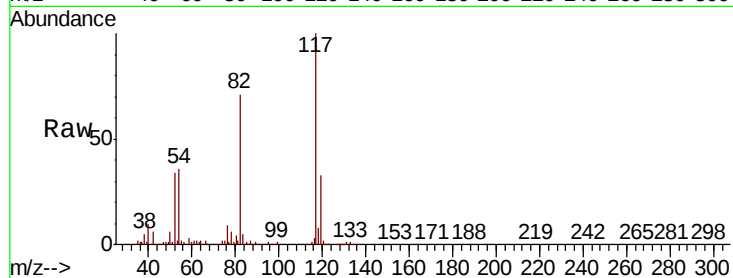
Tot Ion:117 Resp: 3877612

Ion Ratio Lower Upper

117 100

82 59.1 59.7 89.5#

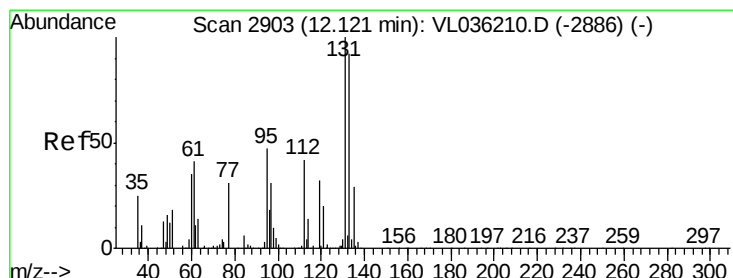
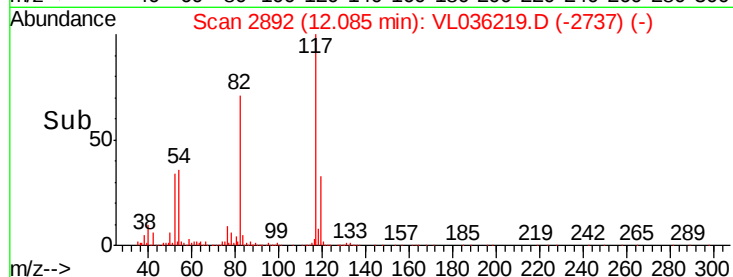
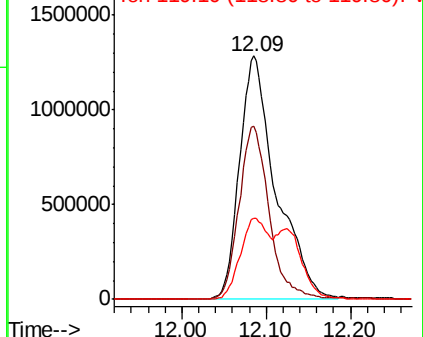
119 47.2 28.6 43.0#



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: 7.472 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

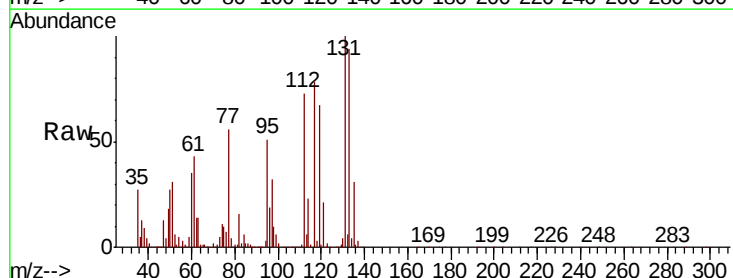
Tgt Ion:131 Resp: 1293010

Ion Ratio Lower Upper

131 100

133 95.4 76.5 114.7

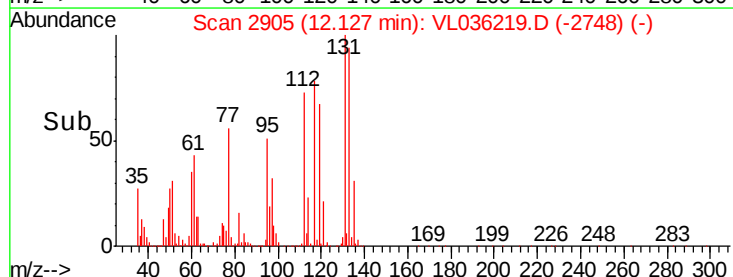
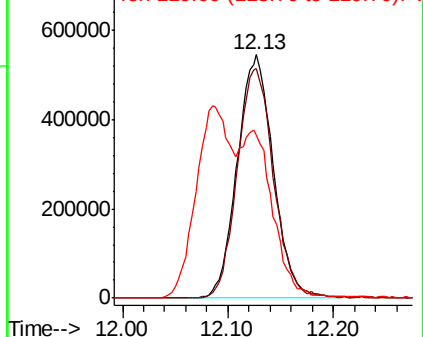
119 141.4 45.4 68.0#

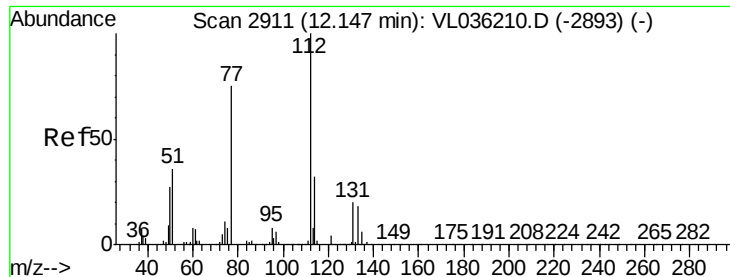


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.107 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

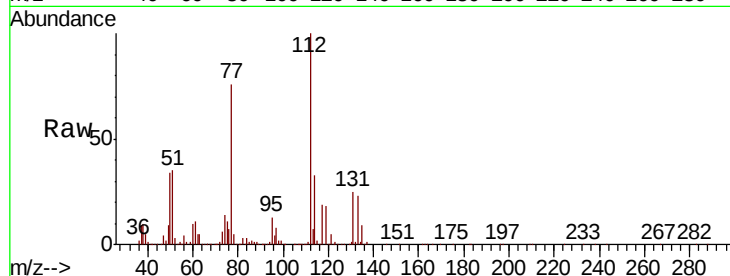
Tot Ion: 112 Resp: 2162028

Ion Ratio Lower Upper

112 100

77 74.8 59.6 89.4

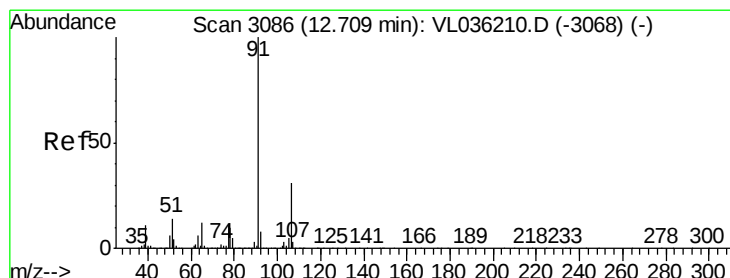
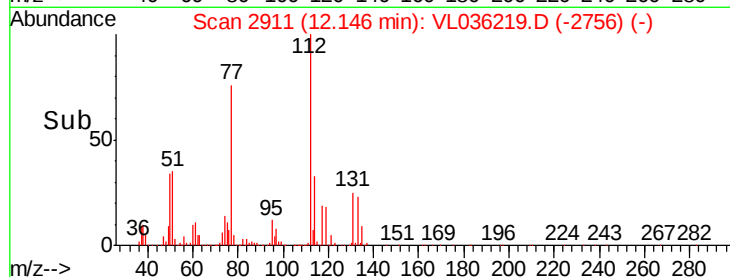
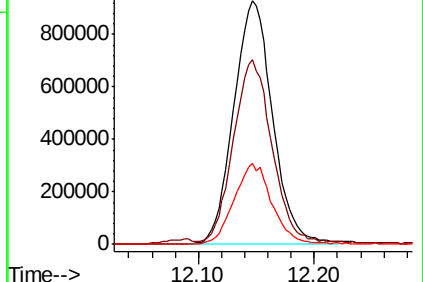
114 33.0 28.7 35.1



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: 7.338 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL036219.D

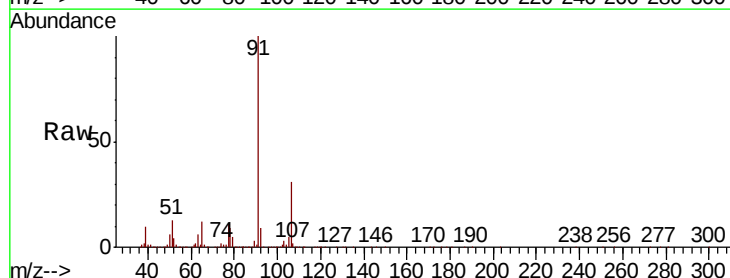
Acq: 13 Jan 2021 9:38

Tgt Ion: 91 Resp: 4222441

Ion Ratio Lower Upper

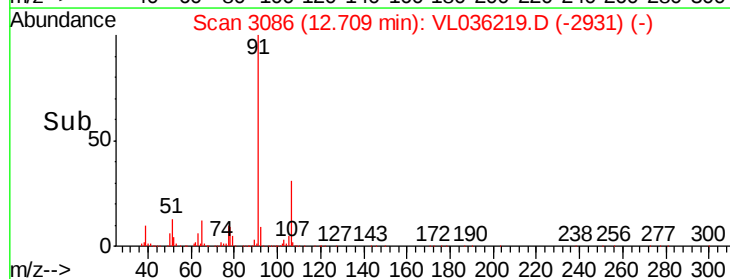
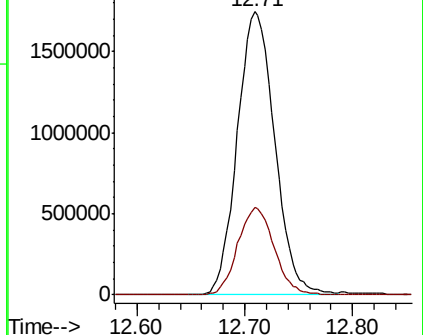
91 100

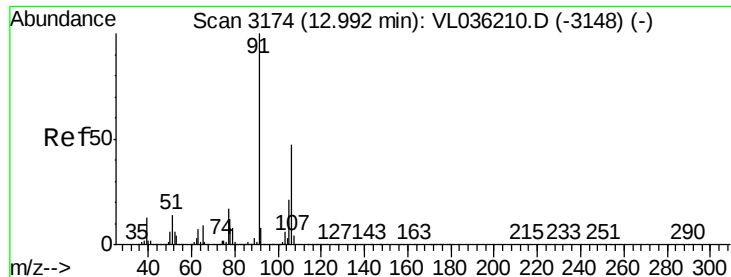
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.279 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

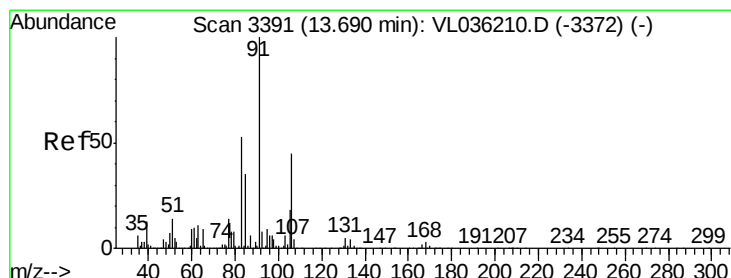
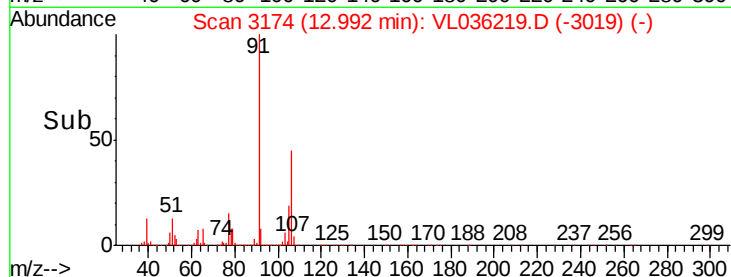
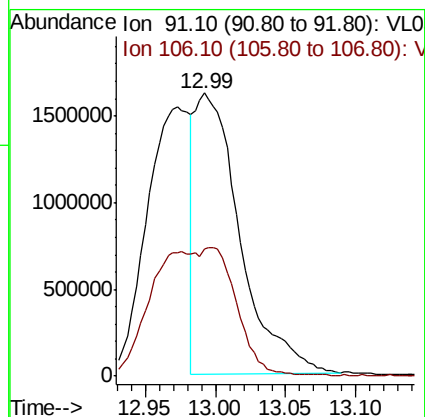
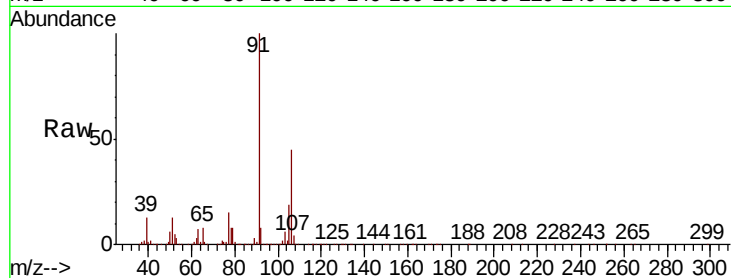
VL0113ABS01

Tot Ion: 91 Resp: 3599081

Ion Ratio Lower Upper

91 100

106 84.6 34.6 51.8#



#60

o-Xylene

Concen: 6.904 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL036219.D

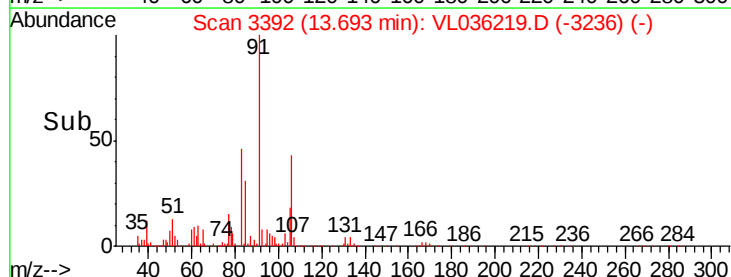
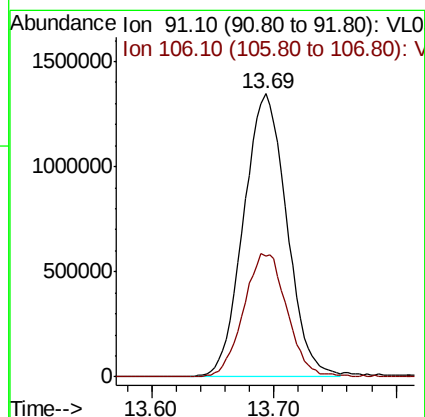
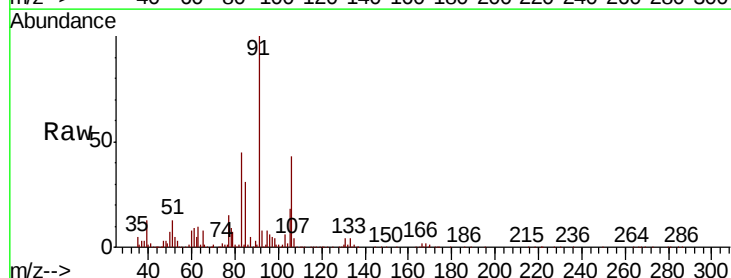
Acq: 13 Jan 2021 9:38

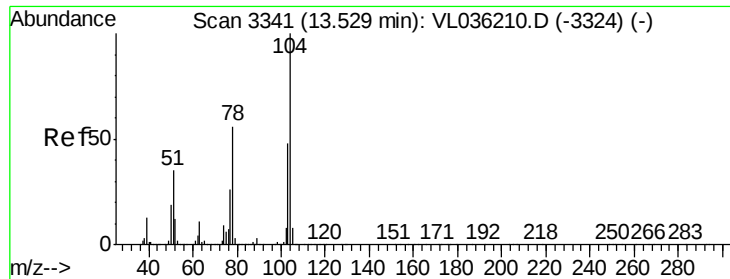
Tgt Ion: 91 Resp: 3290422

Ion Ratio Lower Upper

91 100

106 44.0 21.9 65.8





#61

Stvrene

Concen: 7.878 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

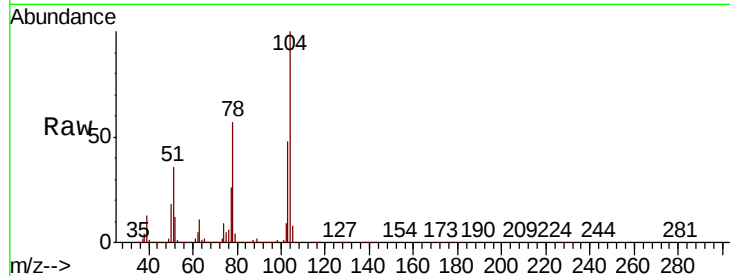
Tot Ion:104 Resp: 2370829

Ion Ratio Lower Upper

104 100

78 58.1 46.8 70.2

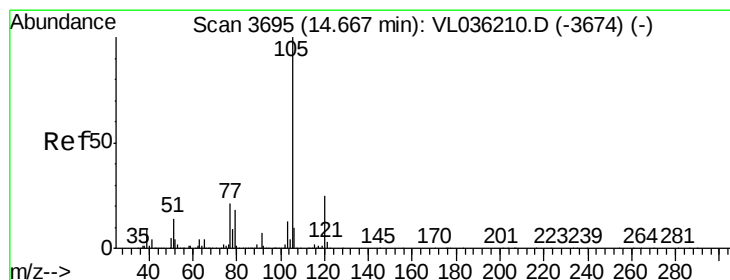
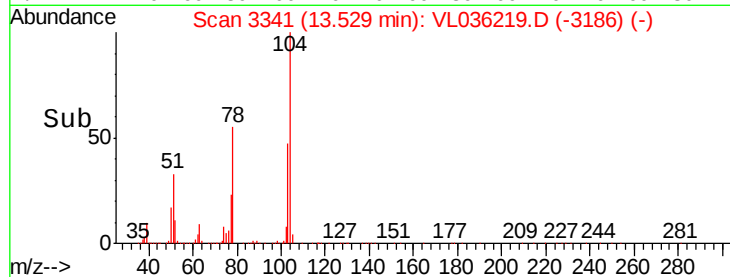
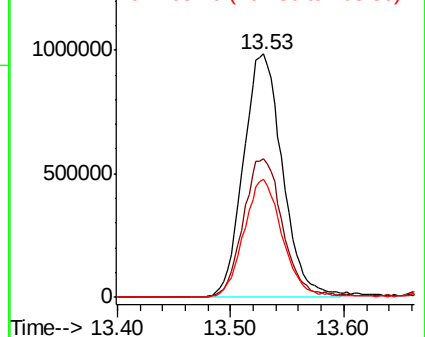
103 48.3 38.4 57.6



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: 6.965 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VL036219.D

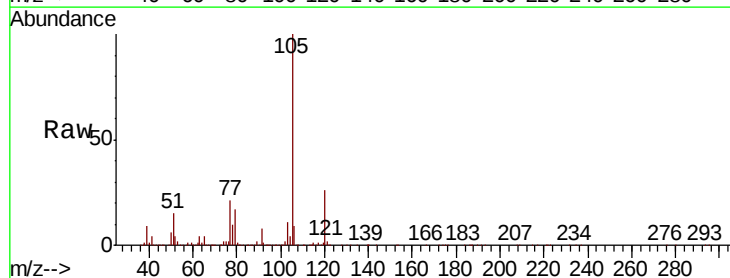
Acq: 13 Jan 2021 9:38

Tgt Ion:105 Resp: 4935011

Ion Ratio Lower Upper

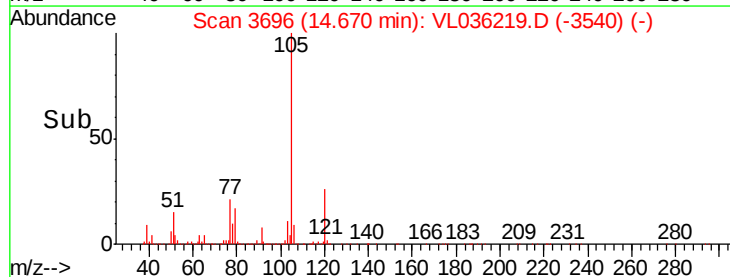
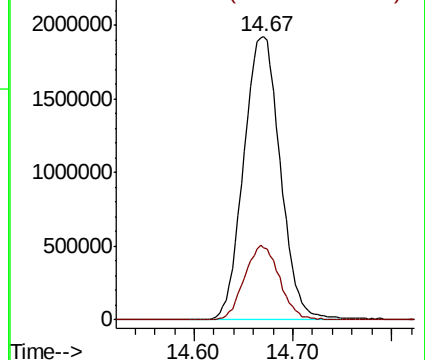
105 100

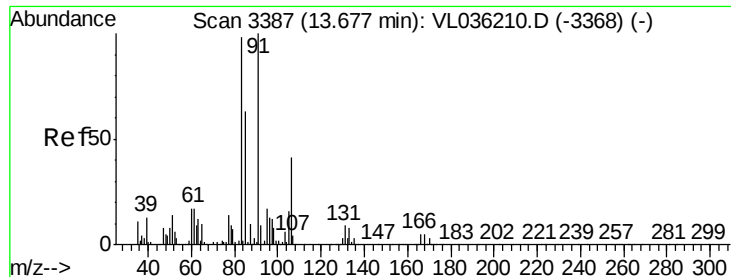
120 25.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

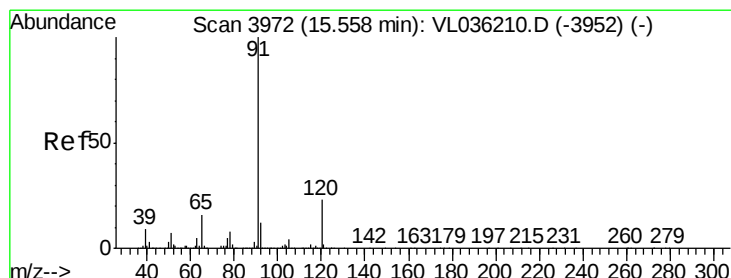
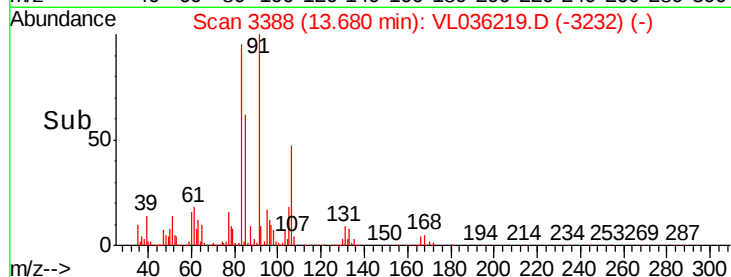
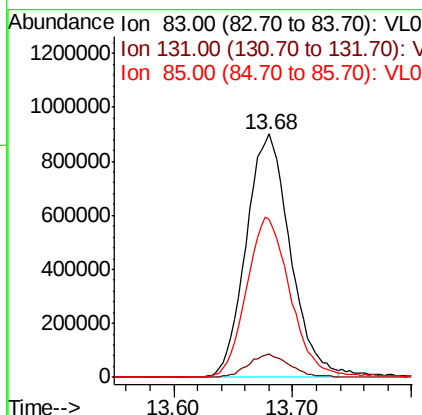
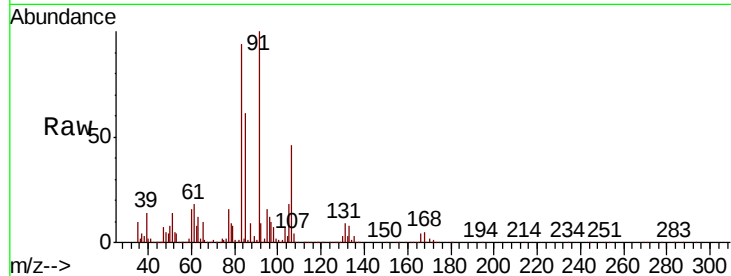




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.493 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

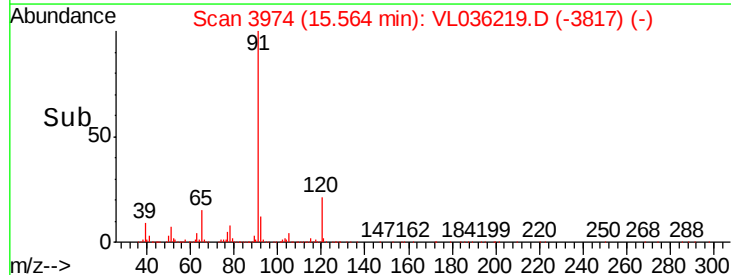
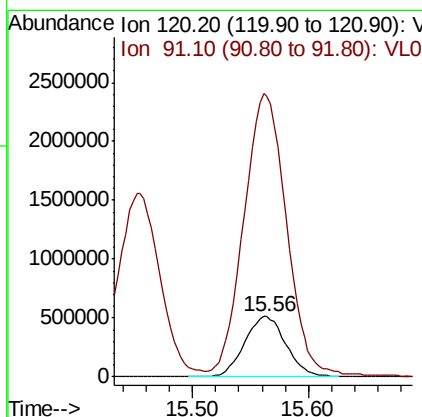
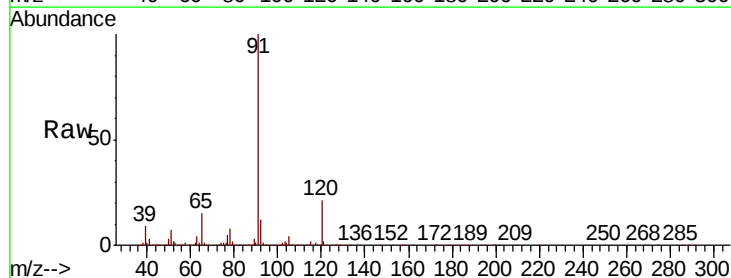
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

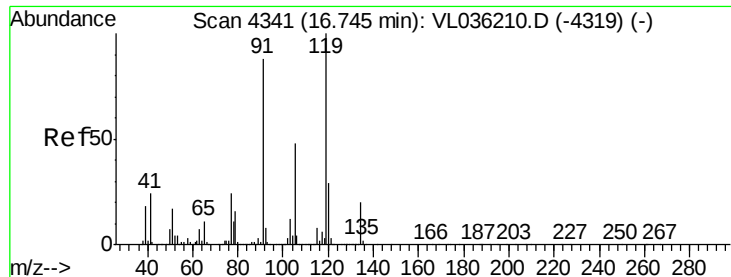
Tot Ion: 83 Resp: 2304112
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.5
 85 66.4 33.1 99.3



#64
 n-propylbenzene
 Concen: 7.286 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion:120 Resp: 1268600
 Ion Ratio Lower Upper
 120 100
 91 489.5 391.8 587.6





#65

tert-Butylbenzene

Concen: 6.917 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

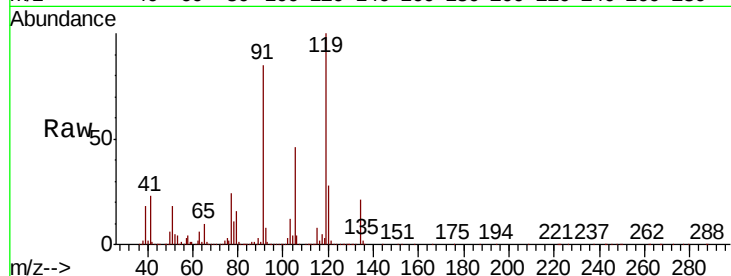
Tot Ion:119 Resp: 4153040

Ion Ratio Lower Upper

119 100

91 88.0 71.0 106.6

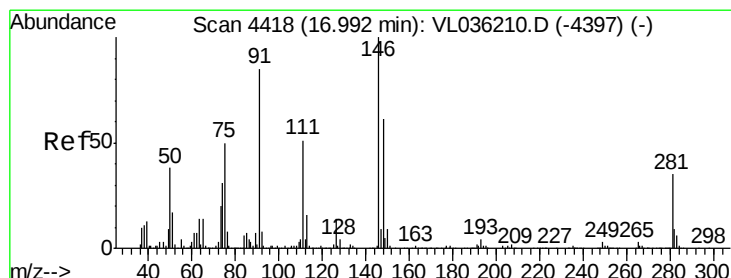
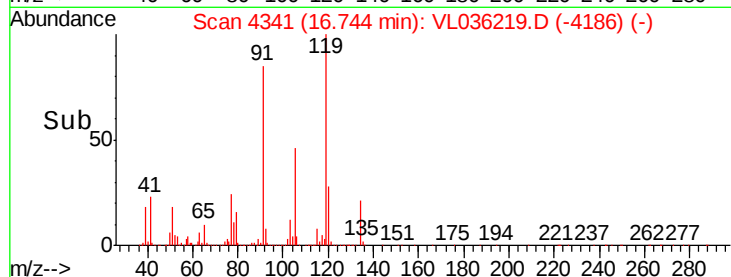
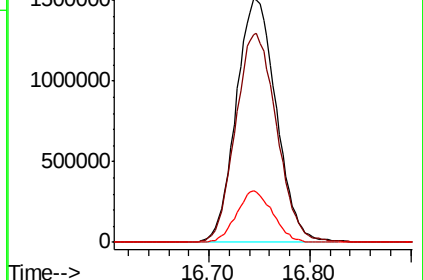
134 19.3 15.8 23.6



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: 9.505 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

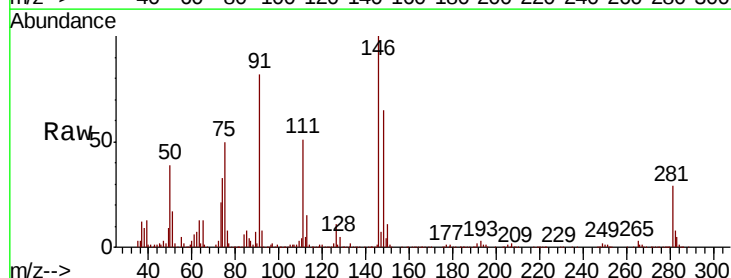
Tgt Ion: 91 Resp: 1458026

Ion Ratio Lower Upper

91 100

126 16.4 12.6 19.0

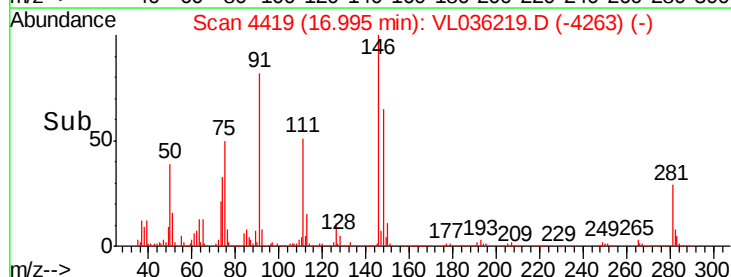
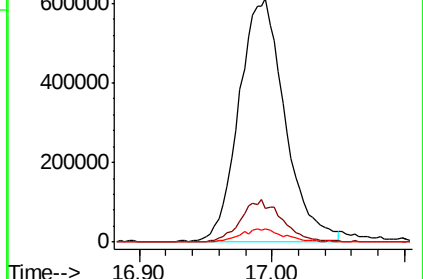
128 5.4 3.8 5.6

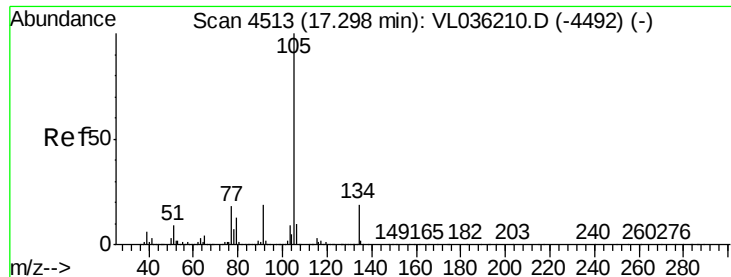


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.746 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

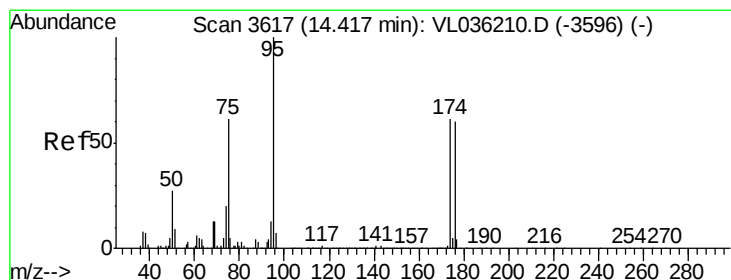
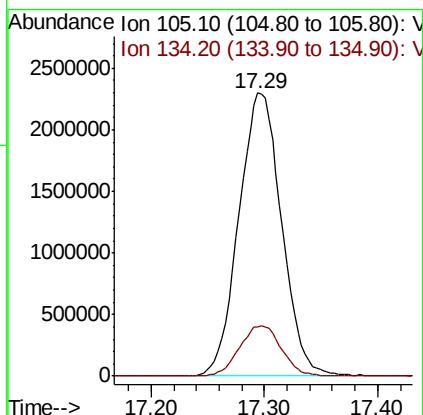
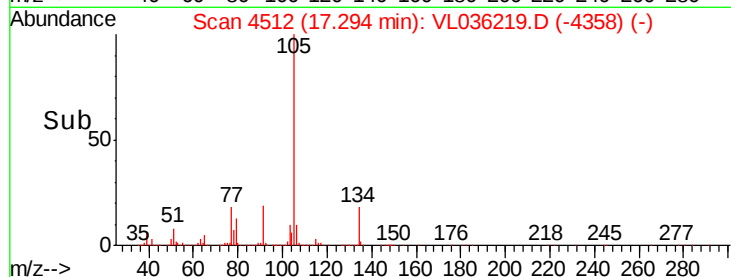
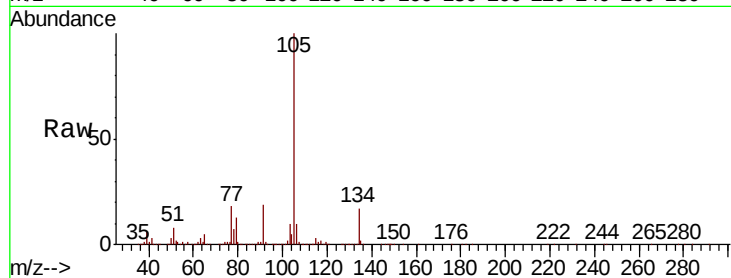
VL0113ABS01

Tot Ion:105 Resp: 6012363

Ion Ratio Lower Upper

105 100

134 17.6 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.194 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

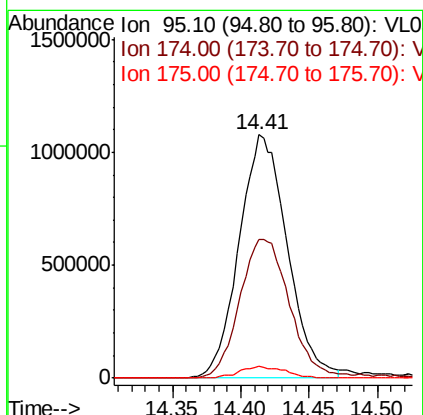
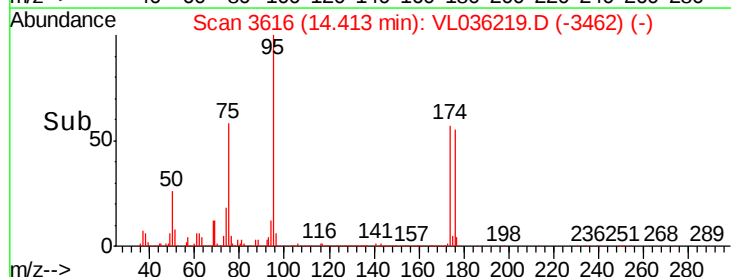
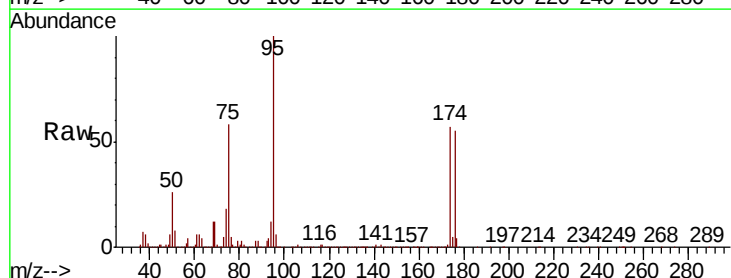
Tgt Ion: 95 Resp: 2629874

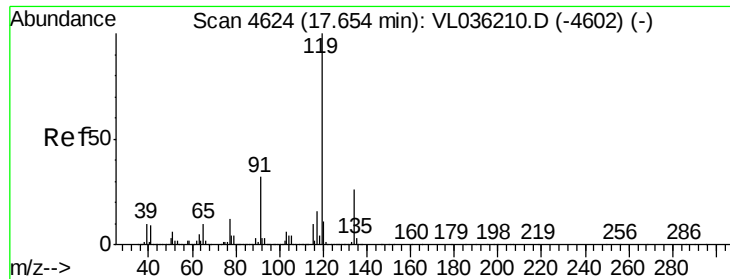
Ion Ratio Lower Upper

95 100

174 61.2 49.4 74.0

175 4.8 3.8 5.8

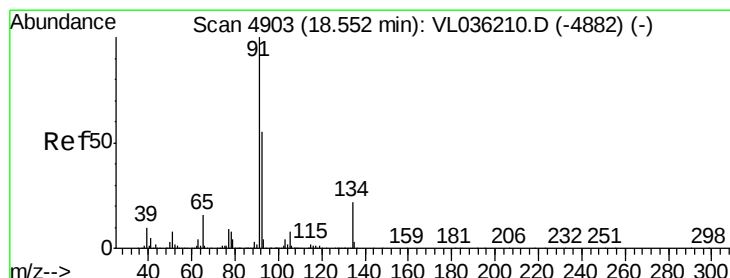
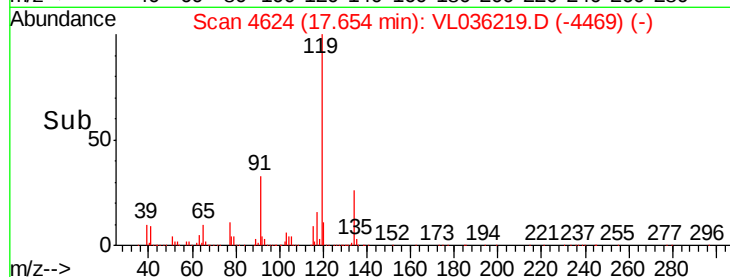
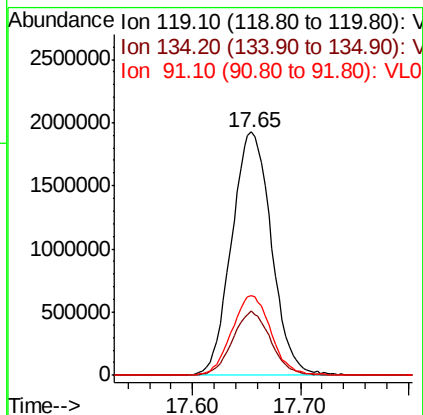
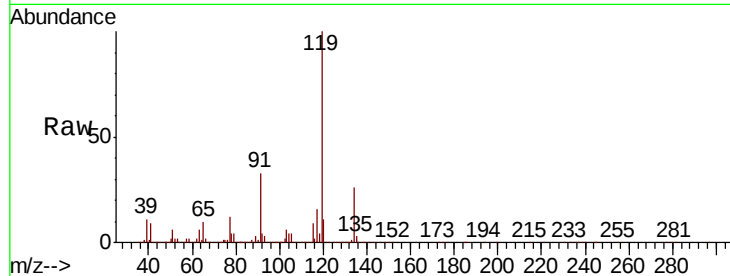




#69
 p-Isopropyltoluene
 Concen: 7.063 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

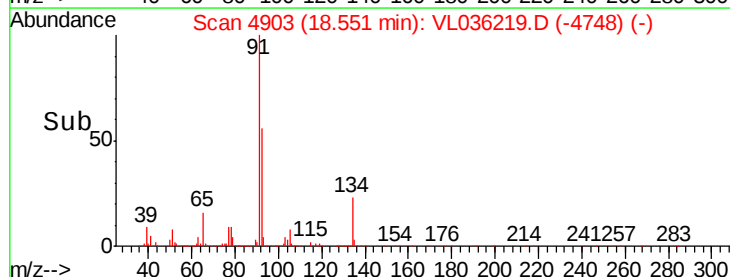
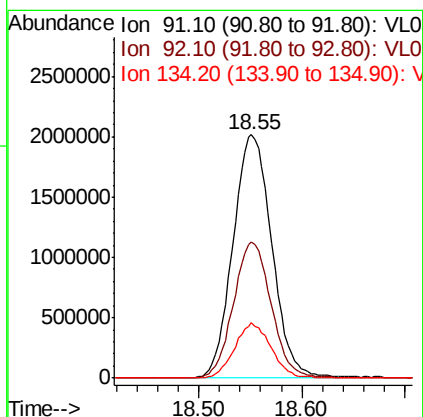
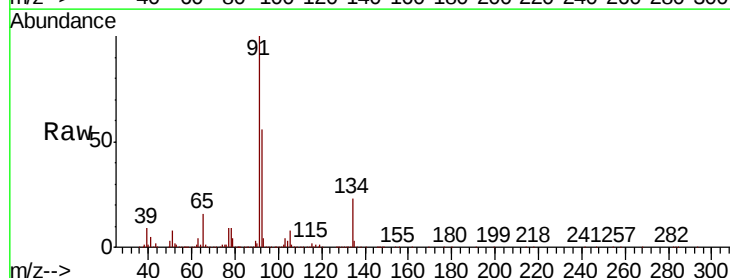
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

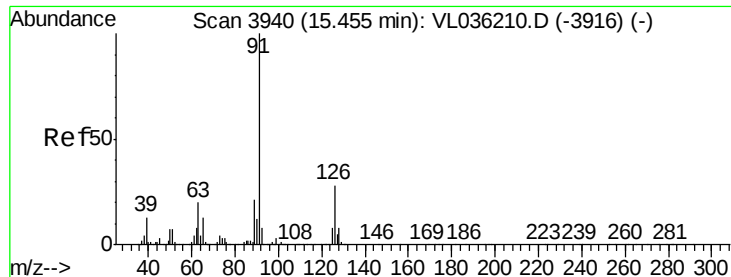
Tot Ion:119 Resp: 4933805
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.4
 91 32.1 26.0 39.0



#70
 n-Butylbenzene
 Concen: 7.009 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 91 Resp: 5279017
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.0 66.0
 134 21.5 17.0 25.4

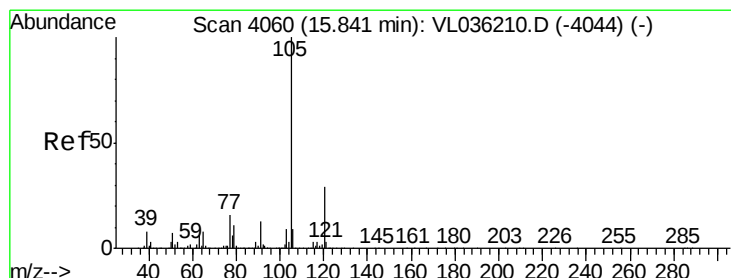
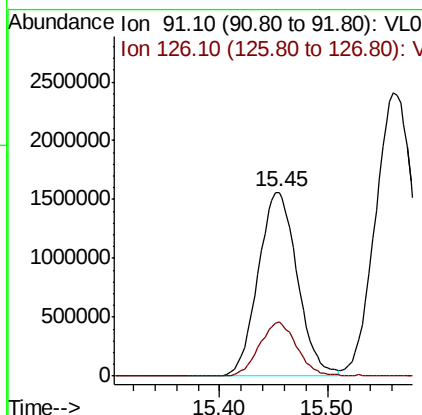
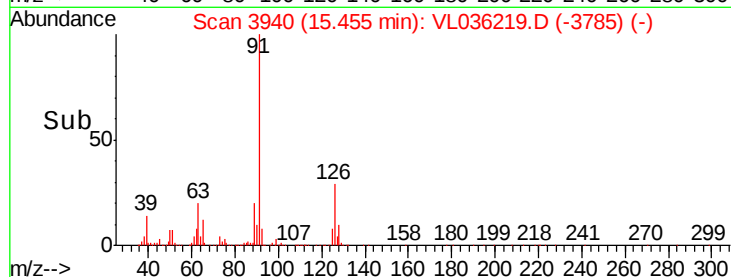
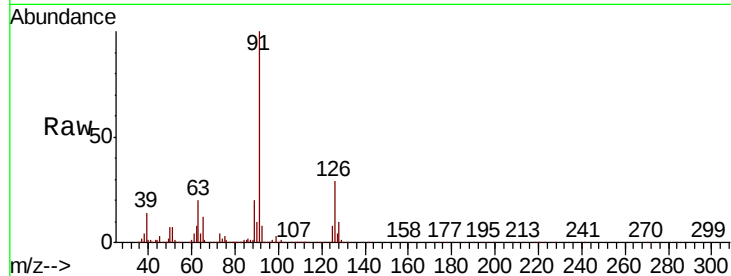




#71
 2-Chlorotoluene
 Concen: 7.052 ppbv
 RT: 15.45 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

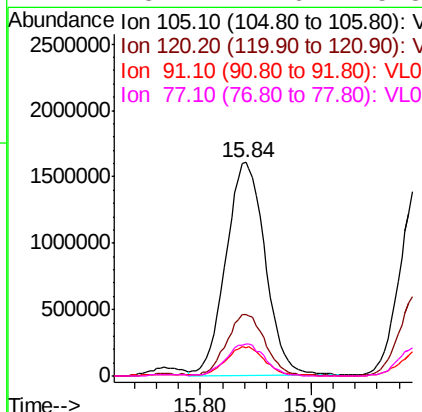
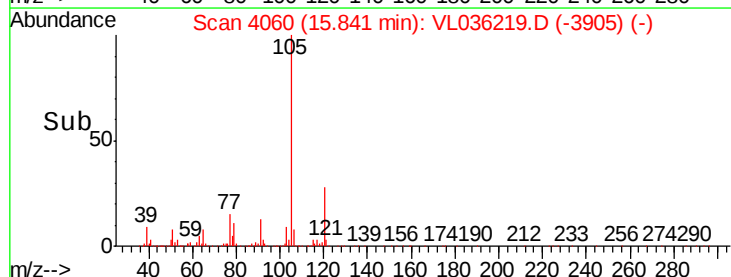
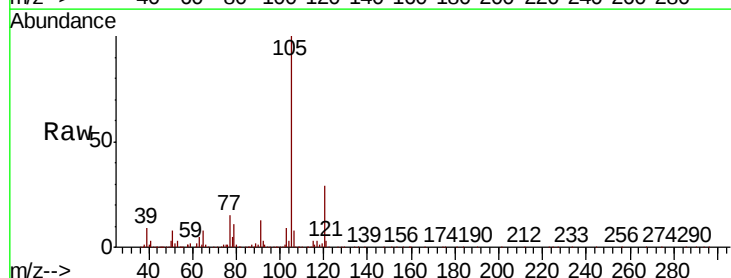
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

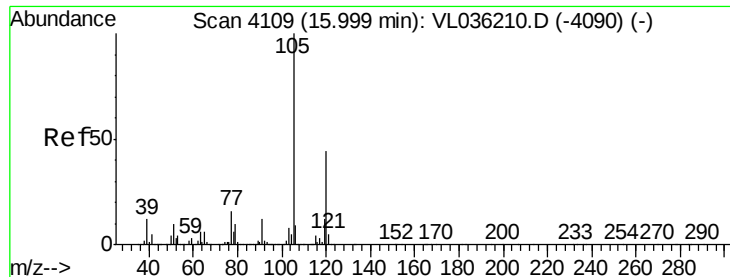
Tot Ion: 91 Resp: 3927696
 Ion Ratio Lower Upper
 91 100
 126 28.9 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 7.327 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion: 105 Resp: 3940382
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.7 35.5
 91 13.3 11.9 17.9
 77 15.1 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 7.231 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

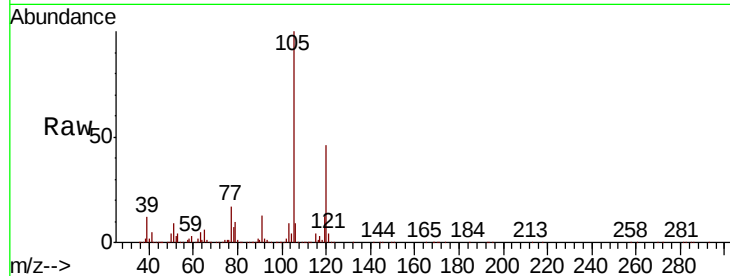
VL0113ABS01

Tot Ion:105 Resp: 3707497

Ion Ratio Lower Upper

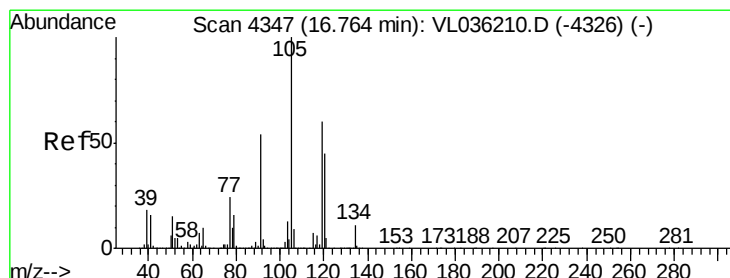
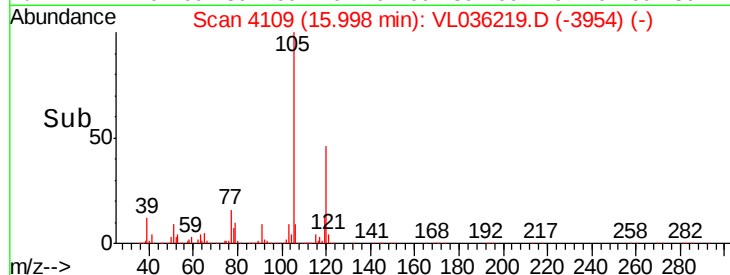
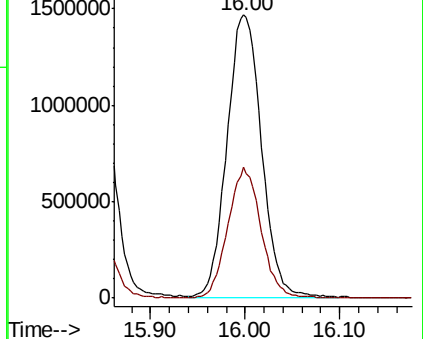
105 100

120 46.4 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: 6.971 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Tgt Ion:105 Resp: 3666102

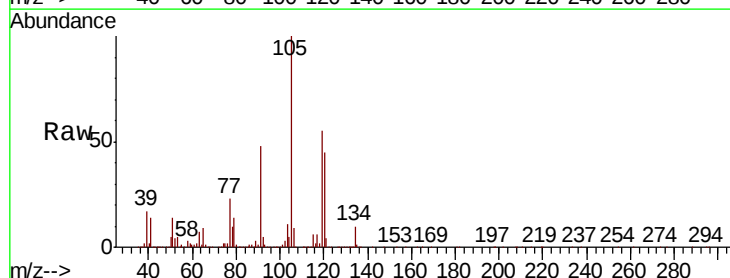
Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.2

91 47.2 43.3 64.9

77 22.6 19.1 28.7

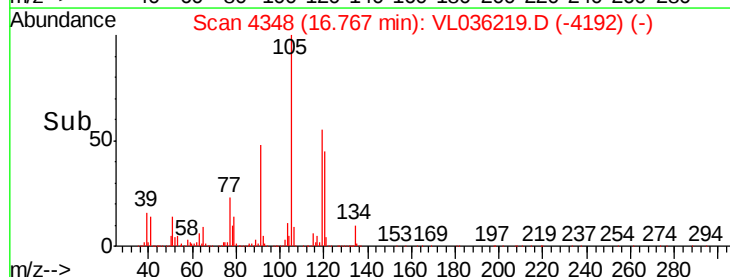
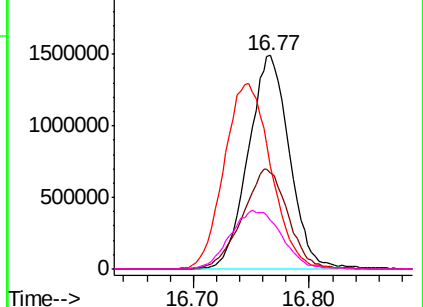


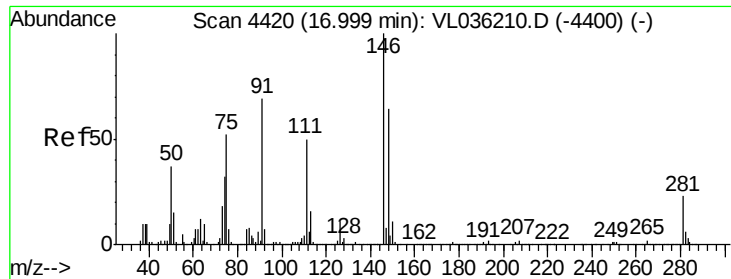
Abundance Ion 105.10 (104.80 to 105.80): V

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

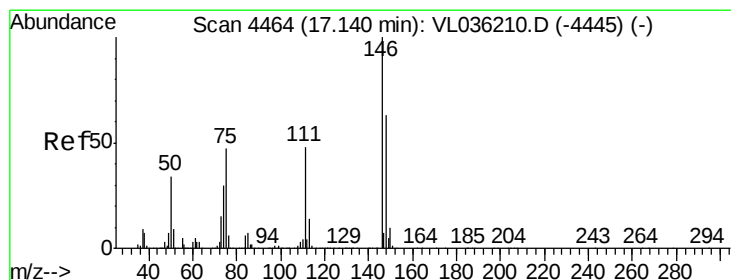
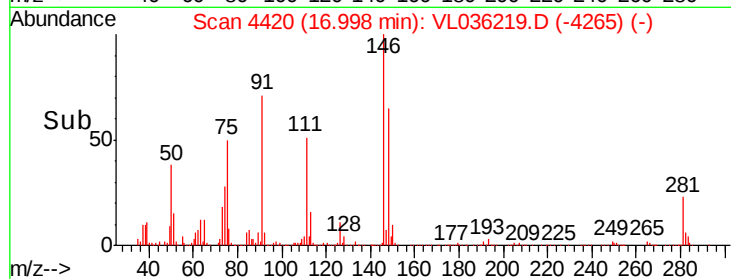
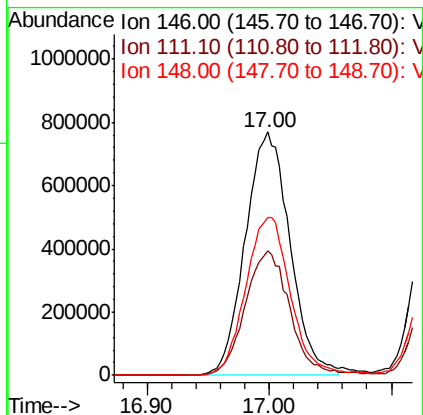
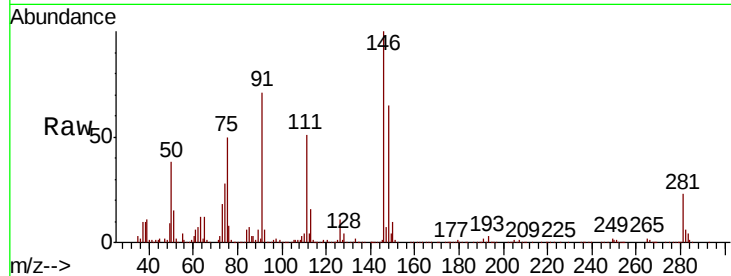




#75
 1,3-Dichlorobenzene
 Concen: 7.078 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

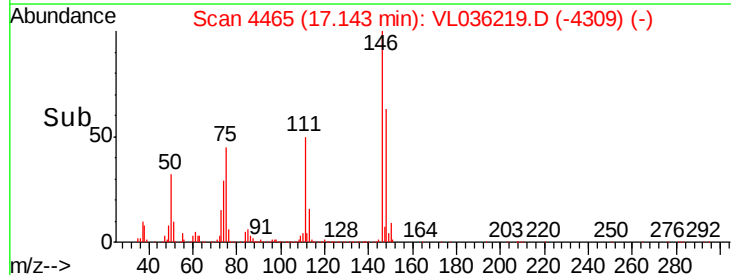
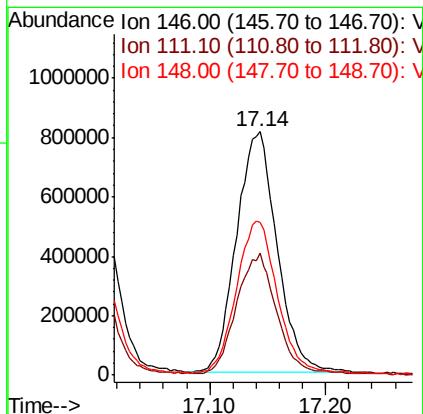
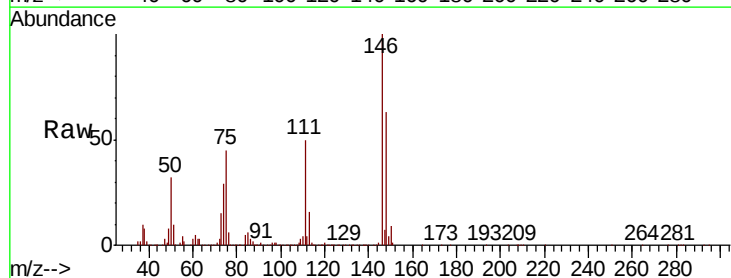
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

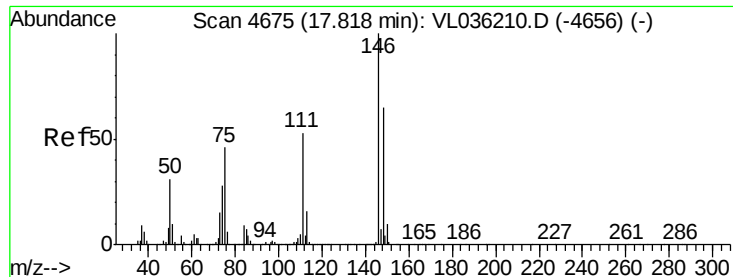
Tot Ion:146 Resp: 1946452
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.5 76.5
 148 65.4 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.467 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.00 min
 Lab File: VL036219.D
 Acq: 13 Jan 2021 9:38

Tgt Ion:146 Resp: 1967077
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.4 76.0
 148 66.1 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 7.238 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

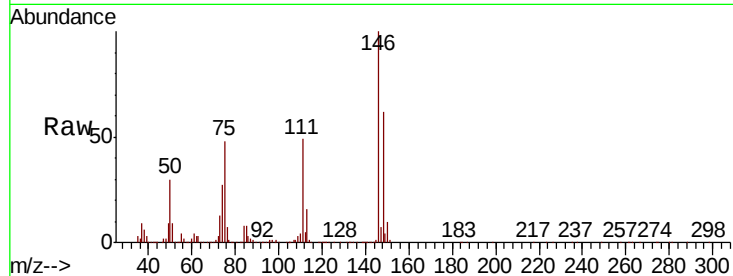
Tot Ion:146 Resp: 1956079

Ion Ratio Lower Upper

146 100

111 51.4 26.5 79.4

148 64.4 32.8 98.4

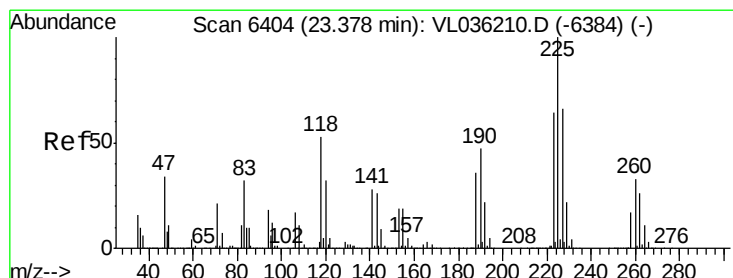
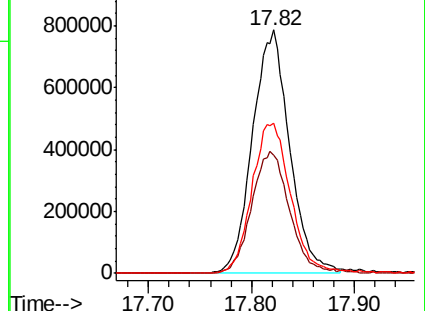
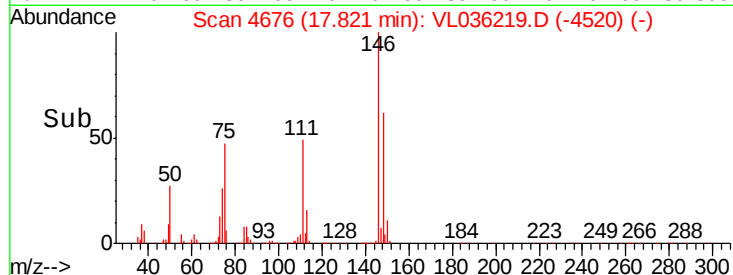


Abundance

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: 6.739 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

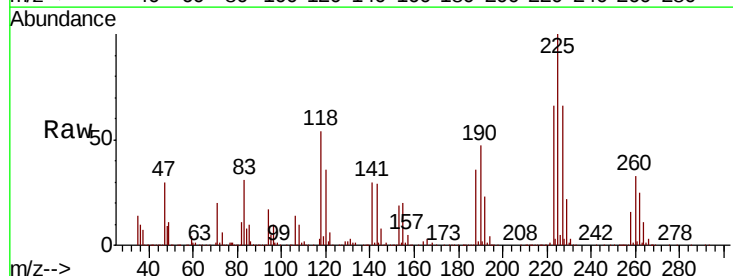
Tgt Ion:225 Resp: 1450827

Ion Ratio Lower Upper

225 100

223 63.9 50.5 75.7

227 64.5 51.7 77.5

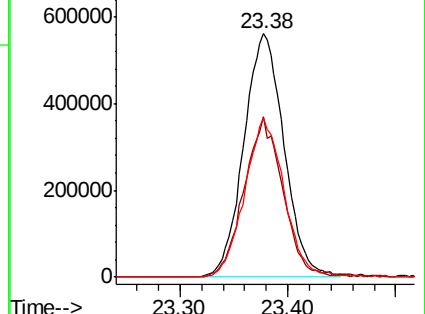
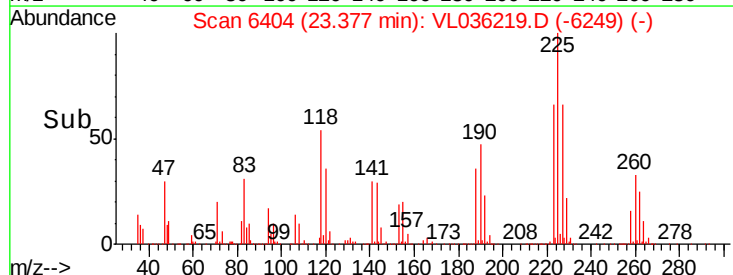


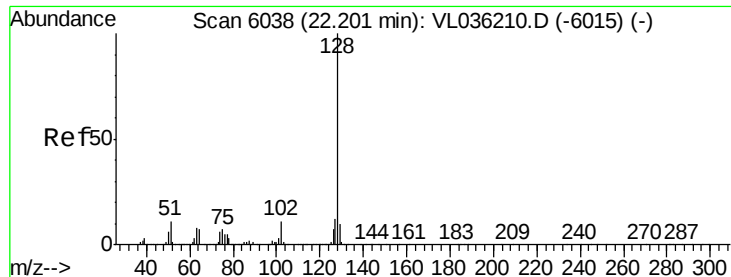
Abundance

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: 9.271 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

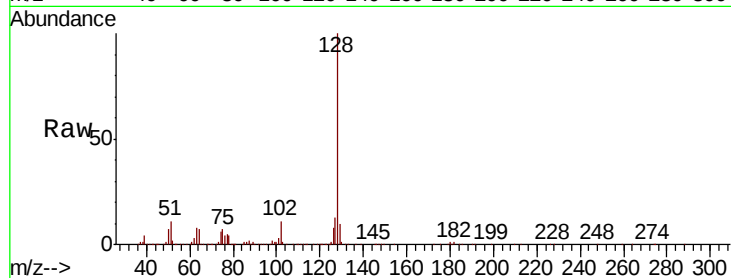
Tot Ion:128 Resp: 2788852

Ion Ratio Lower Upper

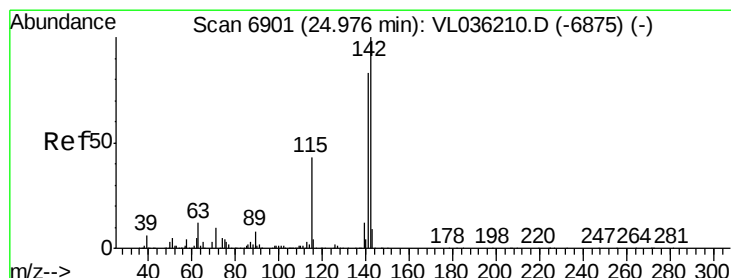
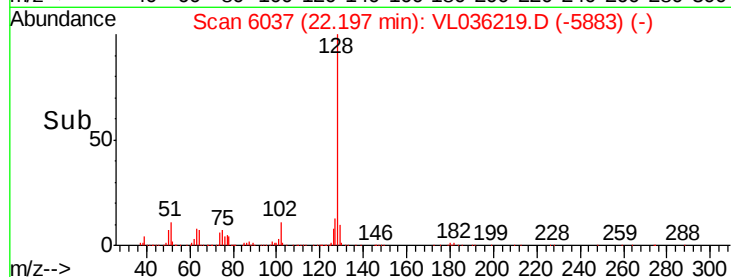
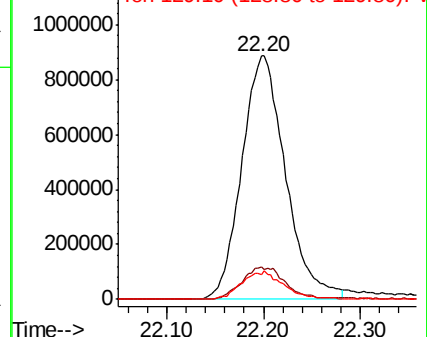
128 100

127 13.1 9.9 14.9

129 10.2 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: 16.340 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

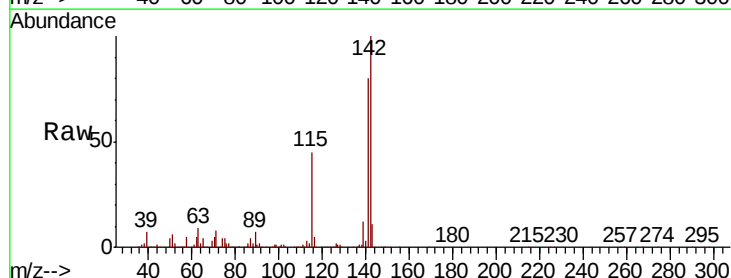
Tgt Ion:142 Resp: 1007972

Ion Ratio Lower Upper

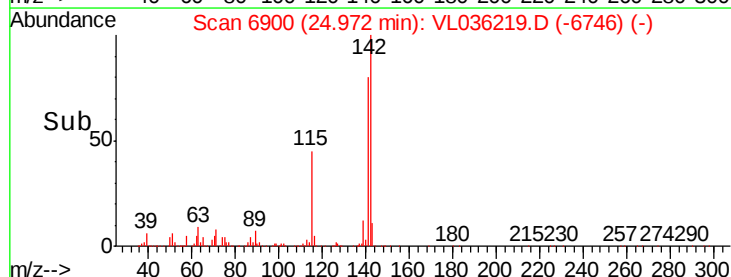
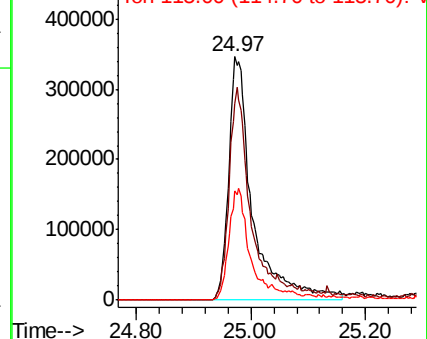
142 100

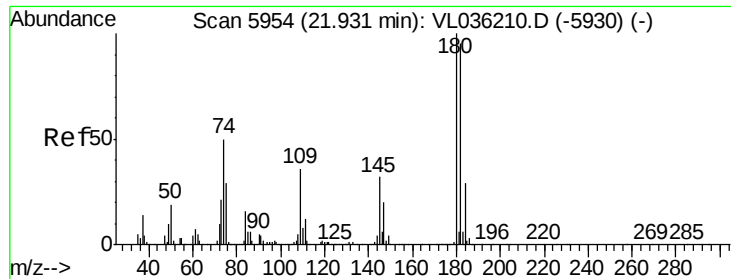
141 84.2 68.6 102.8

115 46.3 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: 8.413 ppbv

RT: 21.93 min Scan# 5953

Delta R.T. -0.00 min

Lab File: VL036219.D

Acq: 13 Jan 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABS01

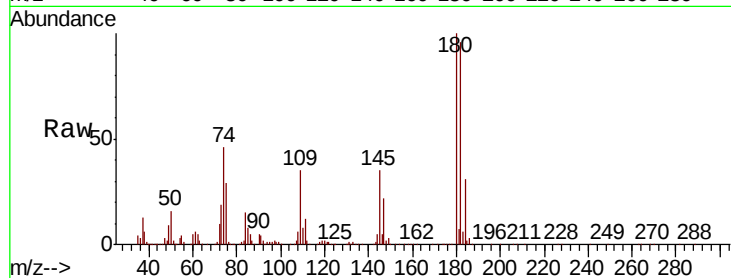
Tot Ion:180 Resp: 1421765

Ion Ratio Lower Upper

180 100

182 101.2 79.9 119.9

184 32.3 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

