

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
 Data File : VL034545.D
 Acq On : 2 Jan 2020 13:22
 Operator : SY/AP
 Sample : VL0102ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Quant Time: Jan 03 01:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	974185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1955718	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2047256	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1648201	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1329530	8.654	ppbv	99
3) Chlorodifluoromethane	2.95	51	1097318	9.454	ppbv	99
4) Chloromethane	3.11	50	579224	8.401	ppbv	99
5) Vinyl Chloride	3.22	62	573533	8.495	ppbv	98
6) Bromomethane	3.45	94	334383	9.950	ppbv	95
7) Chloroethane	3.53	64	212630	9.038	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1381623	8.966	ppbv	99
9) Propene	2.98	41	406857	9.092	ppbv	100
10) Heptane	8.14	43	1108920	9.596	ppbv	100
11) Trichlorofluoromethane	3.93	101	1638119	9.214	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1076569	9.520	ppbv	99
13) Ethanol	3.58	45	114955	9.258	ppbv	98
14) Bromoethene	3.72	108	428979	9.379	ppbv	98
15) Acetone	3.83	43	1158821	8.151	ppbv	99
16) 1,3-Butadiene	3.30	39	525209	9.605	ppbv	98
17) tert-Butyl alcohol	4.28	59	1168070	10.261	ppbv	99
18) 1,1-Dichloroethene	4.27	96	478943	9.723	ppbv	97
19) Isopropyl Alcohol	3.95	45	897867	9.756	ppbv	99
20) Methylene Chloride	4.33	84	415645	7.430	ppbv	99
21) Allyl Chloride	4.40	41	782401	9.575	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	477799	9.536	ppbv	91
23) Vinyl Acetate	5.07	43	1589528	9.684	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1206057	9.146	ppbv	99
25) Ethyl Acetate	5.68	43	1977619	8.907	ppbv	99
26) Hexane	5.69	57	878107	9.386	ppbv	96
27) Carbon Disulfide	4.54	76	1211517	10.245	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1516466	9.705	ppbv	100
29) Chloroform	5.76	83	1473686	9.104	ppbv	98
30) Cyclohexane	7.15	84	677705	9.746	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	919993	9.650	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1527958	9.093	ppbv	100
34) 2-Butanone	5.24	43	1302151	9.317	ppbv	99
35) Carbon Tetrachloride	7.04	117	1634764	9.217	ppbv	100
36) Benzene	6.91	78	1628750	9.554	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1288042	9.304	ppbv	99
38) Trichloroethene	7.86	130	656514	9.533	ppbv	97
39) 1,2-Dichloropropane	7.64	63	662622	9.452	ppbv	94
40) 1,4-Dioxane	7.85	88	266587	9.396	ppbv #	98
41) Tetrahydrofuran	6.05	42	703755	9.816	ppbv	98
42) Bromodichloromethane	7.82	83	1626929	9.551	ppbv	96
43) Methyl Methacrylate	8.04	69	695769	10.005	ppbv	99

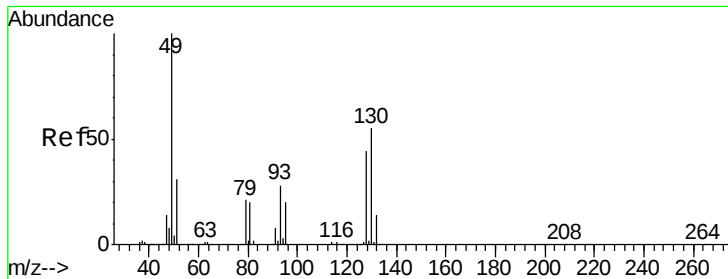
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	2943516	9.334	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	923961	10.314	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1044376	10.199	ppbv	100
47) 1,1,2-Trichloroethane	9.51	97	706607	9.144	ppbv	97
48) Dibromochloromethane	10.34	129	1365234	10.191	ppbv	99
49) Bromoform	13.09	173	1223635	10.090	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	1958233	9.652	ppbv	100
51) 2-Hexanone	10.17	43	1599927	9.769	ppbv #	100
52) Tetrachloroethene	11.27	164	626436	9.416	ppbv	92
53) Toluene	9.84	91	1873853	10.005	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1132913	10.074	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	928799	9.398	ppbv	97
57) Chlorobenzene	12.19	112	1514104	8.964	ppbv	98
58) Ethyl Benzene	12.75	91	2679334	9.704	ppbv	98
59) m/p-Xylene	13.04	91	2137442	8.853	ppbv #	27
60) o-Xylene	13.74	91	2315660	9.558	ppbv	98
61) Styrene	13.58	104	1598451	9.650	ppbv	99
62) Isopropylbenzene	14.72	105	3020428	9.531	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1659126	8.537	ppbv	98
64) n-propylbenzene	15.61	120	793723	9.809	ppbv	99
65) tert-Butylbenzene	16.80	119	2750860	9.608	ppbv	99
66) Benzyl Chloride	17.05	91	1342069	10.695	ppbv	100
67) sec-Butylbenzene	17.35	105	3842440	9.556	ppbv	100
69) p-Isopropyltoluene	17.71	119	3188936	9.779	ppbv	100
70) n-Butylbenzene	18.61	91	3407609	9.684	ppbv	99
71) 2-Chlorotoluene	15.51	91	2388481	9.705	ppbv	99
72) 4-Ethyltoluene	15.89	105	2630725	9.704	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2567484	9.653	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2667604	9.376	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1511415	8.869	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1473219	8.979	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1496267	9.343	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1185948	7.801	ppbv	99
79) Naphthalene	22.28	128	2151866	10.041	ppbv	99
80) Naphthalene,2-methyl-	25.03	142	502318	8.461	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1239593	8.883	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VL0102ABS01

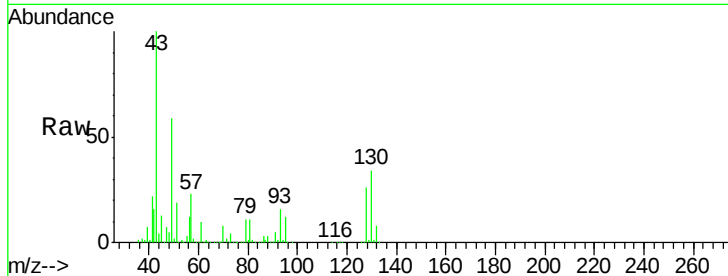
Tgt Ion: 49 Resp: 974185

Ion Ratio Lower Upper

49 100

128 44.3 22.4 67.2

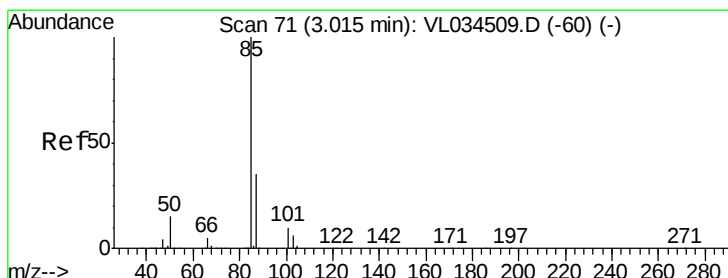
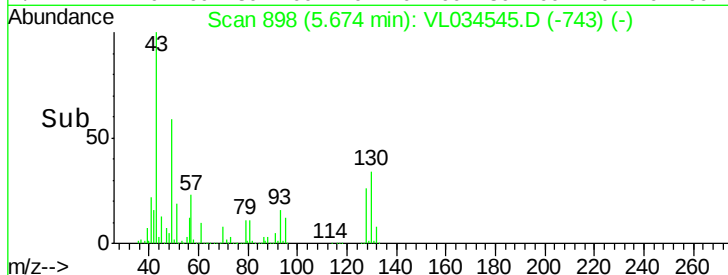
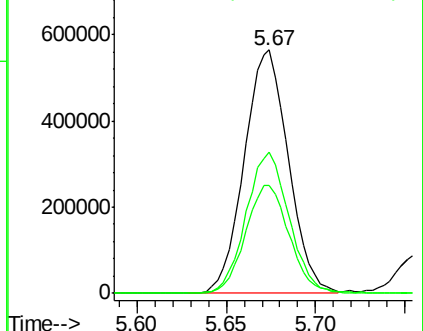
130 56.8 28.3 85.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.654 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL034545.D

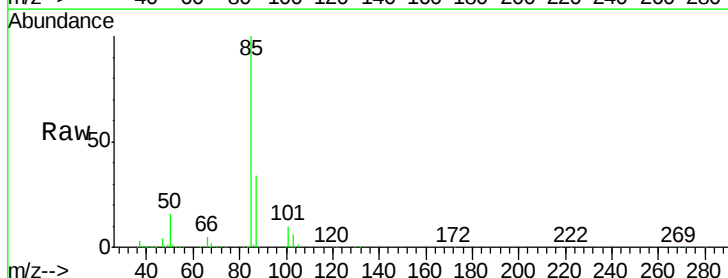
Acq: 2 Jan 2020 13:22

Tgt Ion: 85 Resp: 1329530

Ion Ratio Lower Upper

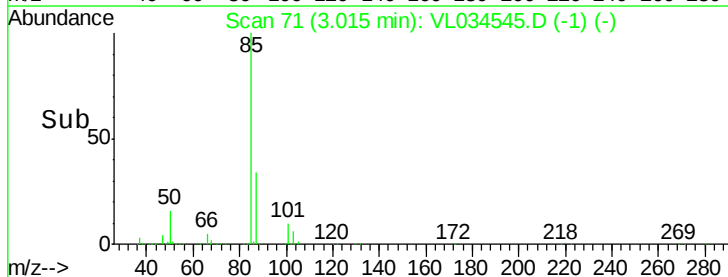
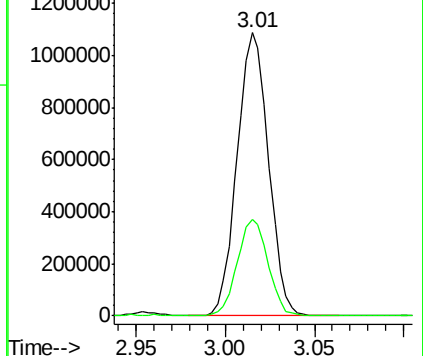
85 100

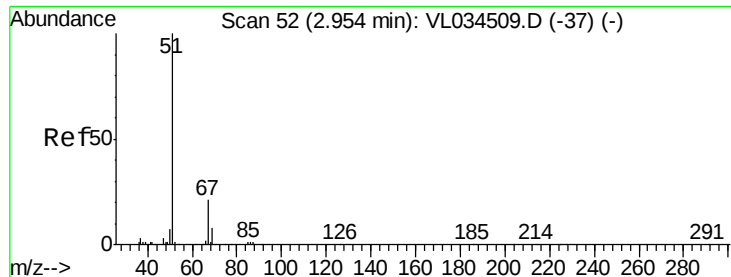
87 34.2 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.454 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

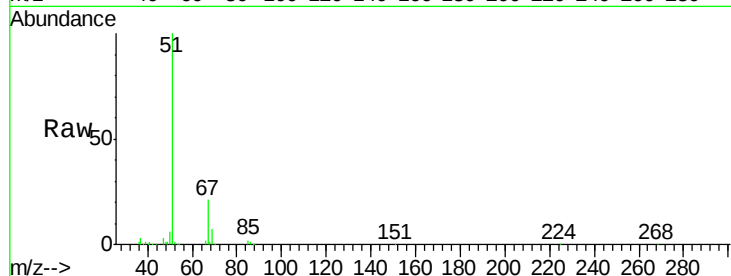
VL0102ABS01

Tgt Ion: 51 Resp: 1097318

Ion Ratio Lower Upper

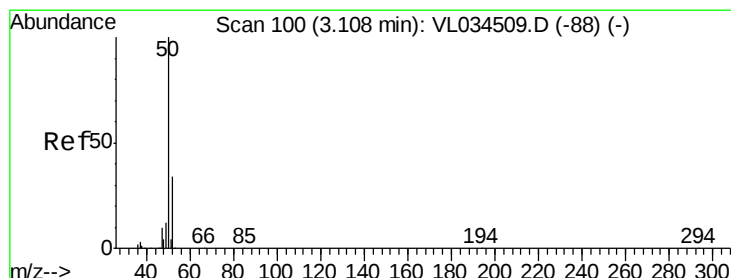
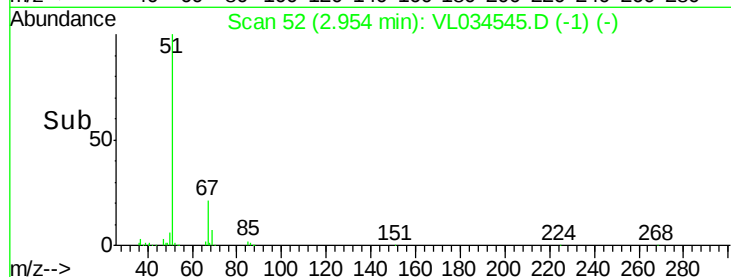
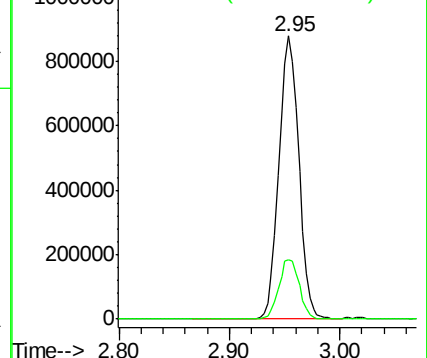
51 100

67 21.6 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.401 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.00 min

Lab File: VL034545.D

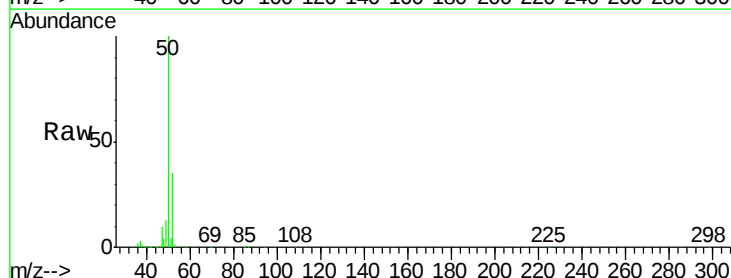
Acq: 2 Jan 2020 13:22

Tgt Ion: 50 Resp: 579224

Ion Ratio Lower Upper

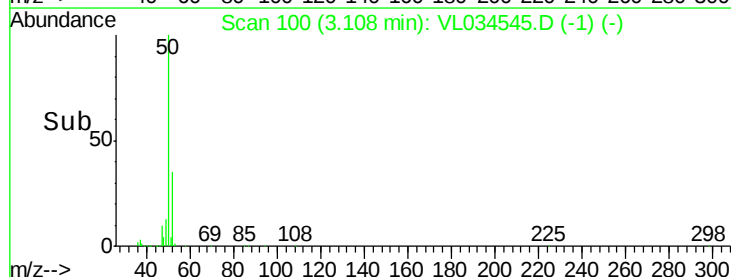
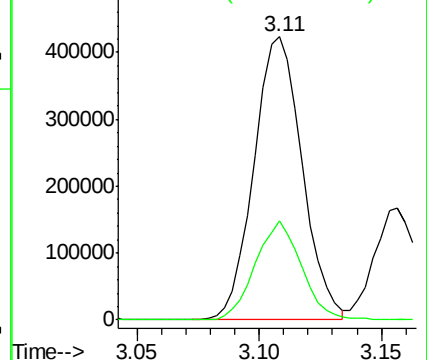
50 100

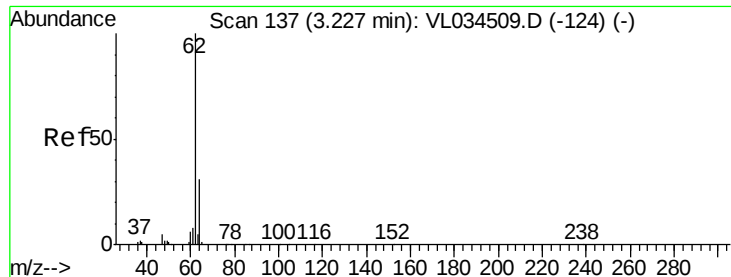
52 35.2 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.495 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

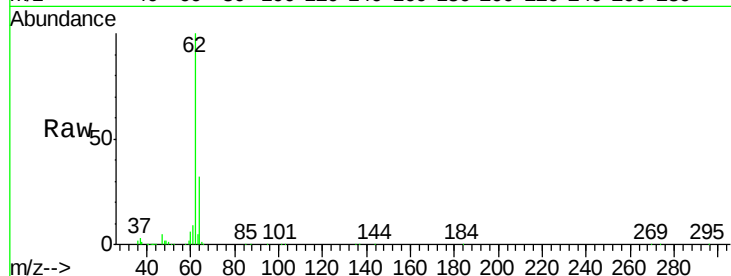
VL0102ABS01

Tgt Ion: 62 Resp: 573533

Ion Ratio Lower Upper

62 100

64 32.4 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

300000

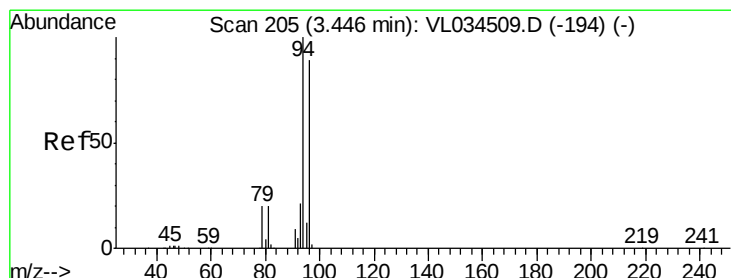
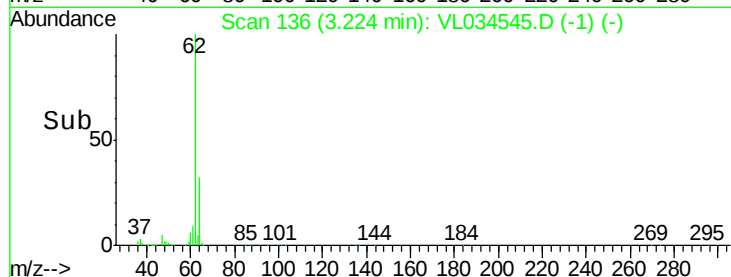
200000

100000

0

Time-->

3.20 3.25



#6

Bromomethane

Concen: 9.950 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL034545.D

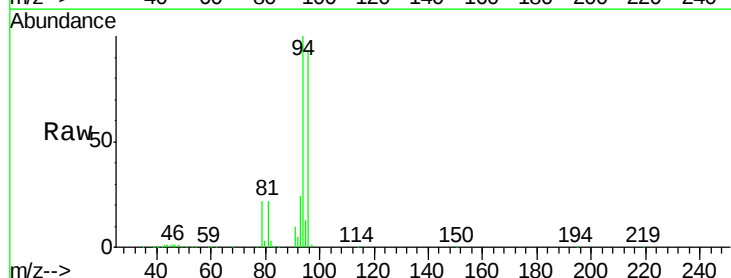
Acq: 2 Jan 2020 13:22

Tgt Ion: 94 Resp: 334383

Ion Ratio Lower Upper

94 100

96 93.3 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

250000

200000

150000

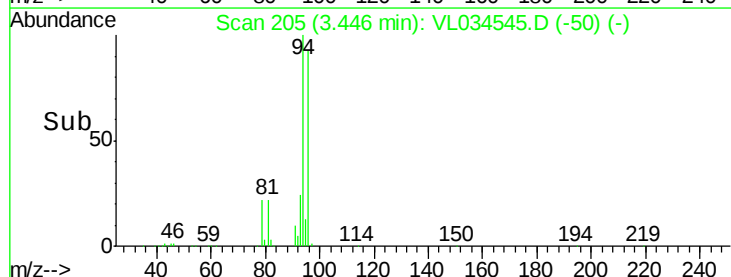
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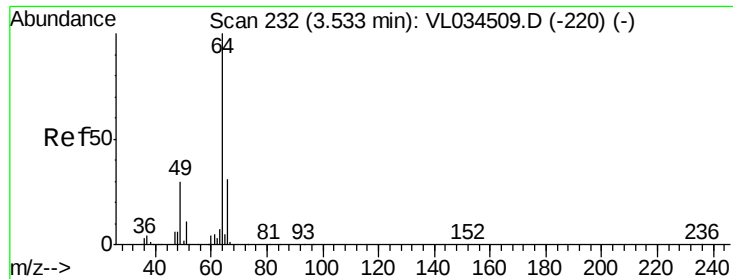
50000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 9.038 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

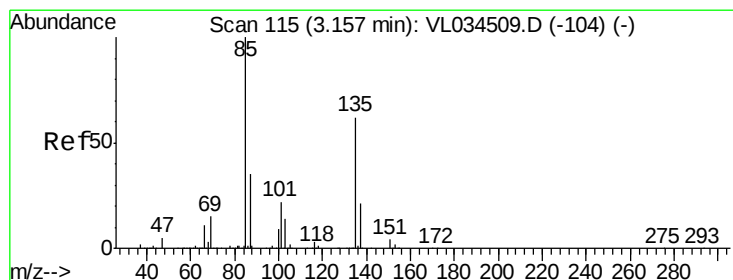
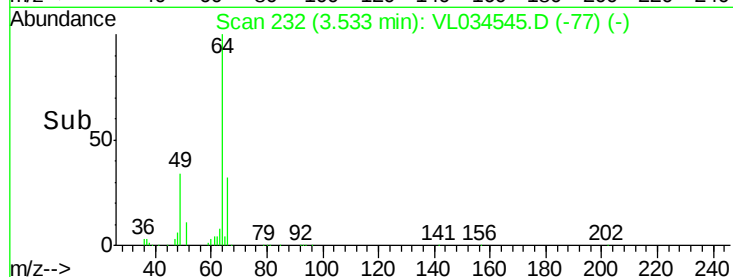
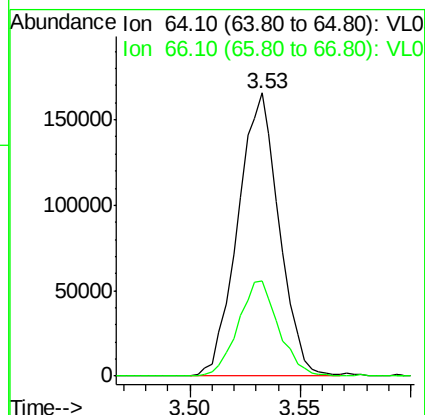
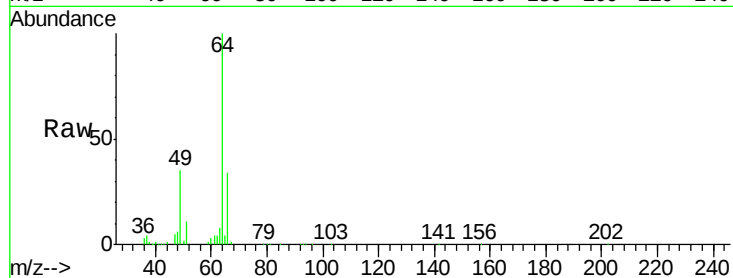
VL0102ABS01

Tgt Ion: 64 Resp: 212630

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 8.966 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL034545.D

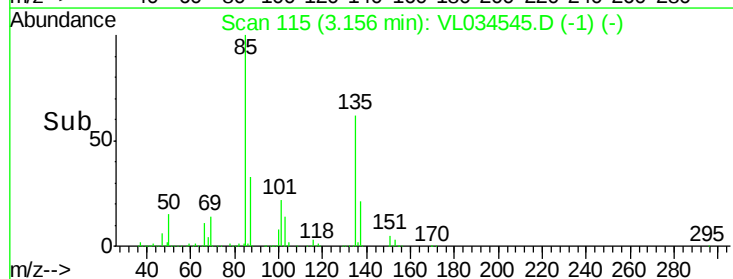
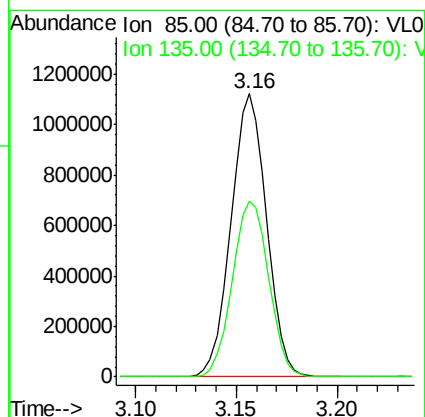
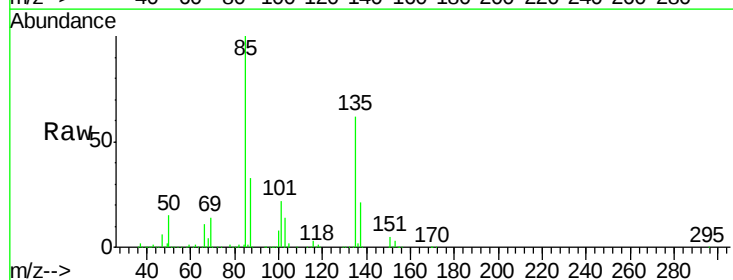
Acq: 2 Jan 2020 13:22

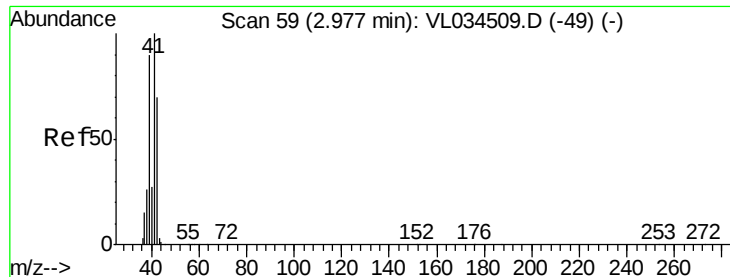
Tgt Ion: 85 Resp: 1381623

Ion Ratio Lower Upper

85 100

135 64.2 51.8 77.8





#9

Propene

Concen: 9.092 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

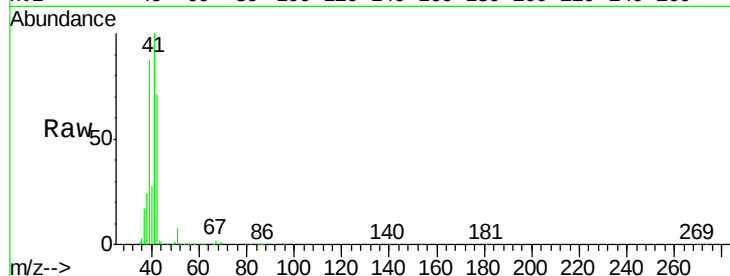
VL0102ABS01

Tgt Ion: 41 Resp: 406857

Ion Ratio Lower Upper

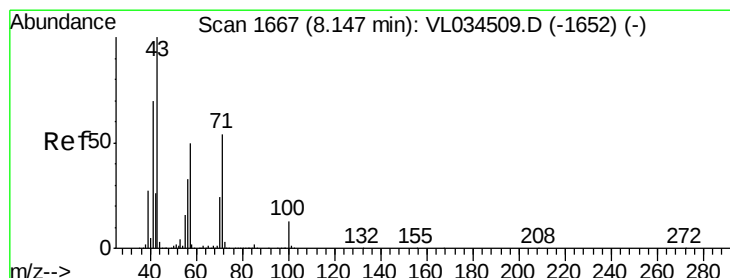
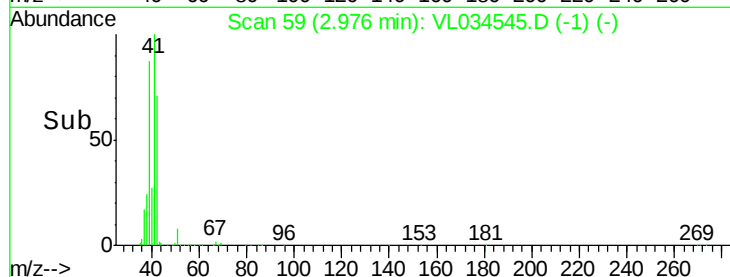
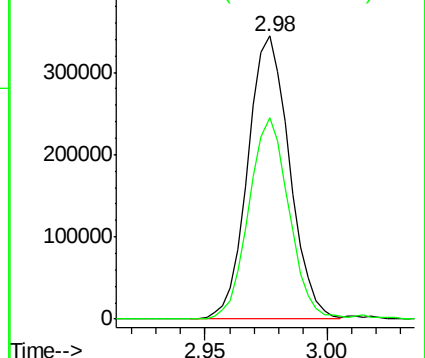
41 100

42 69.5 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.596 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL034545.D

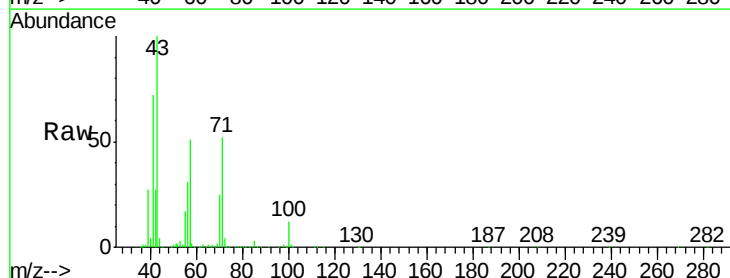
Acq: 2 Jan 2020 13:22

Tgt Ion: 43 Resp: 1108920

Ion Ratio Lower Upper

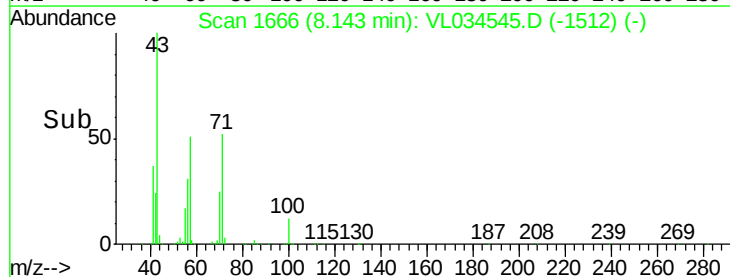
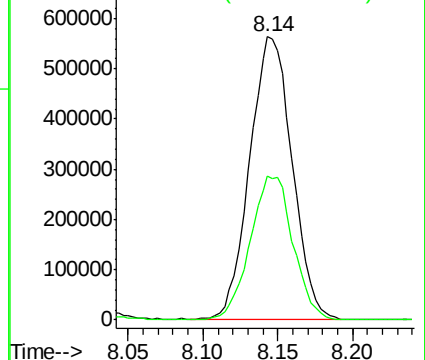
43 100

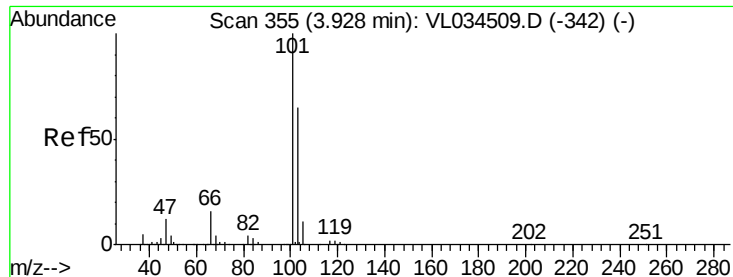
57 51.6 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

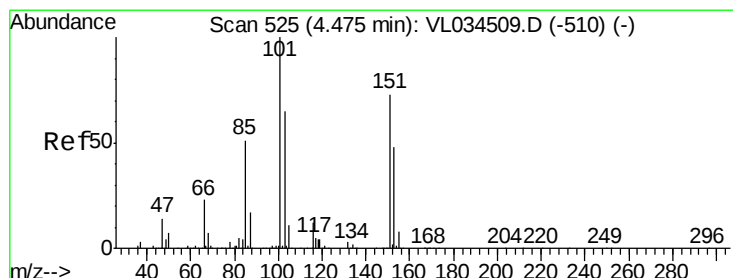
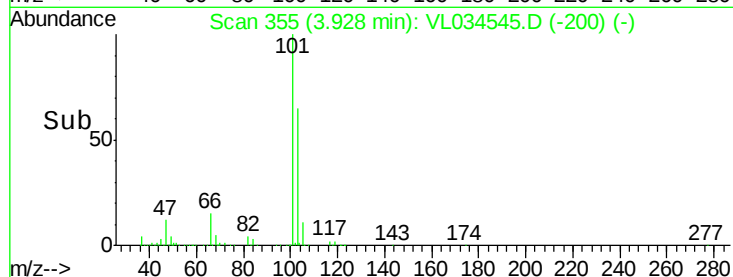
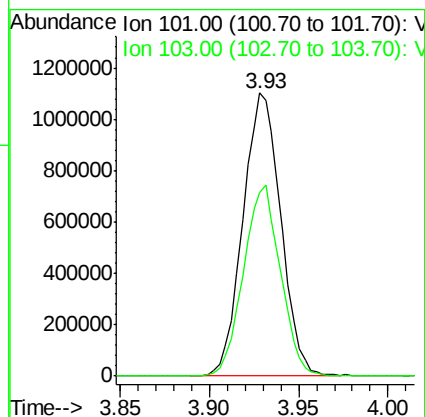
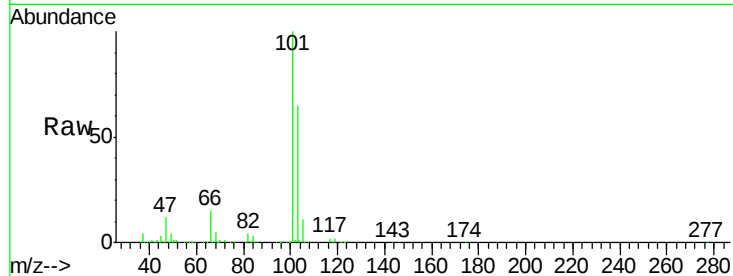




#11
 Trichlorofluoromethane
 Concen: 9.214 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

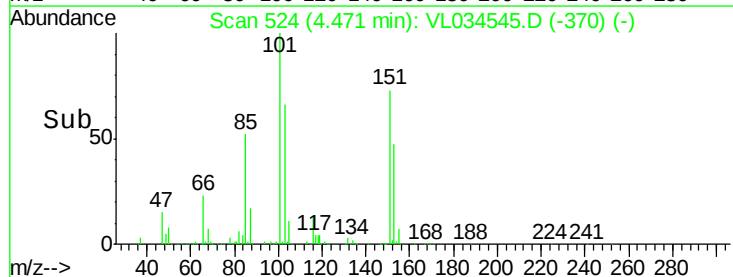
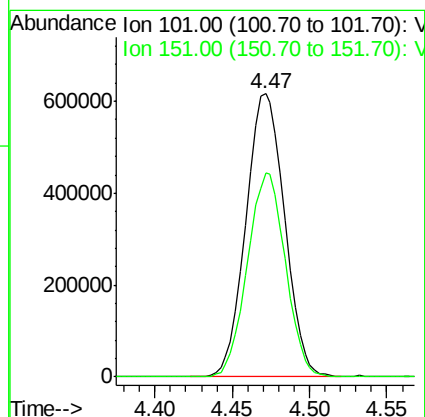
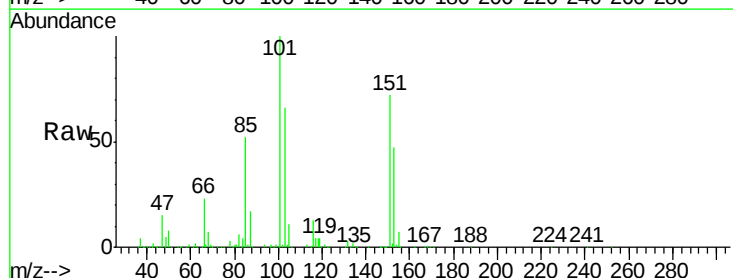
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

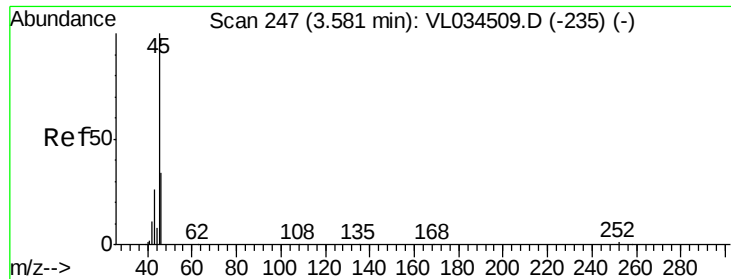
Tgt Ion:101 Resp: 1638119
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.1 78.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.520 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion:101 Resp: 1076569
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.8 86.6





#13

Ethanol

Concen: 9.258 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

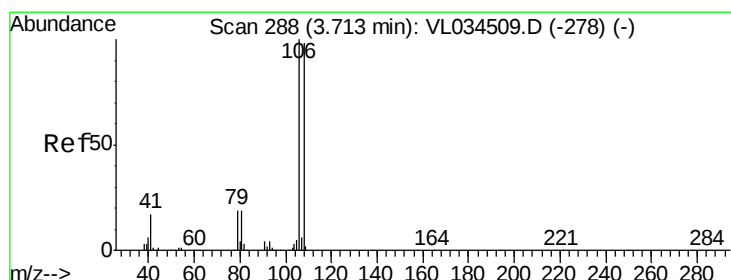
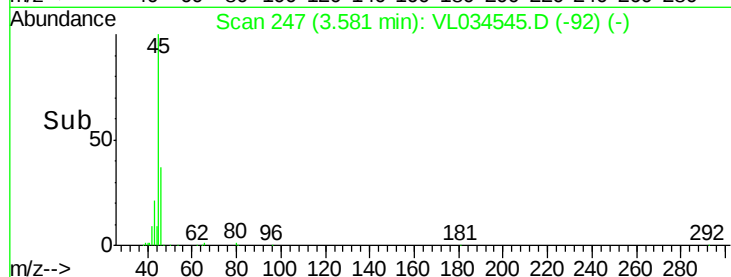
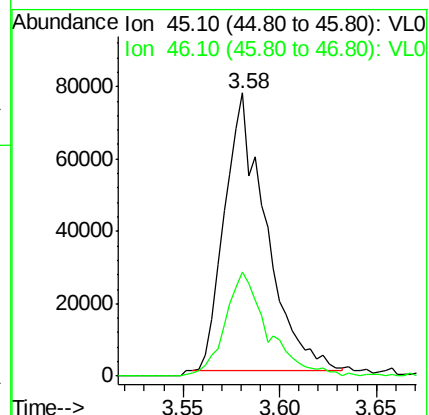
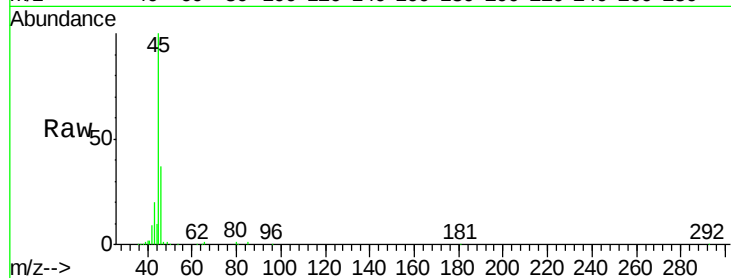
VL0102ABS01

Tgt Ion: 45 Resp: 114955

Ion Ratio Lower Upper

45 100

46 38.7 14.9 59.7



#14

Bromoethene

Concen: 9.379 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

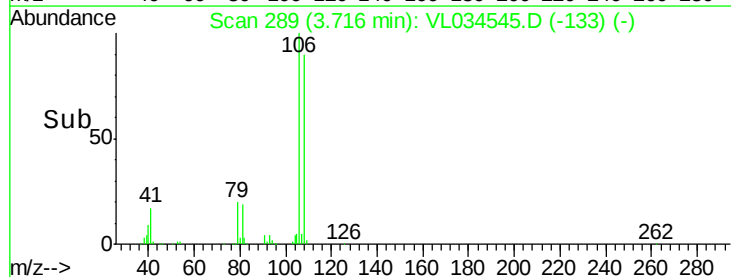
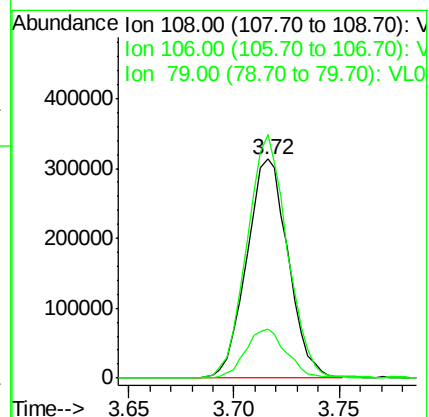
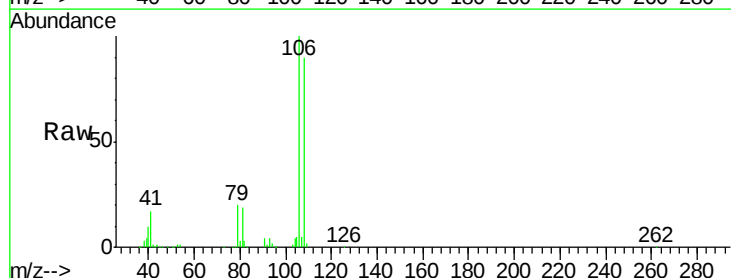
Tgt Ion: 108 Resp: 428979

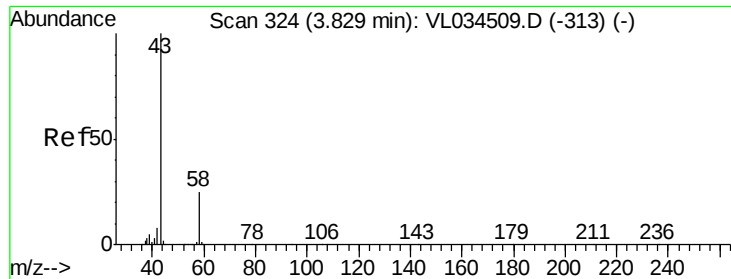
Ion Ratio Lower Upper

108 100

106 108.9 85.2 127.8

79 22.5 17.4 26.2





#15

Acetone

Concen: 8.151 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

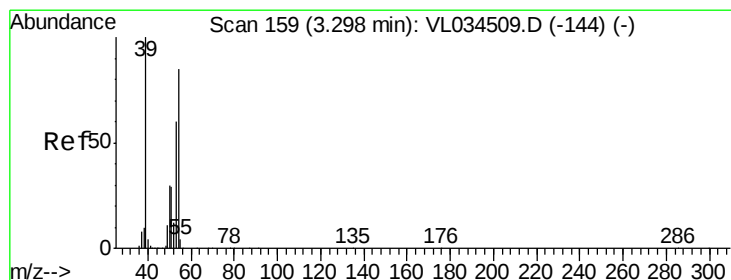
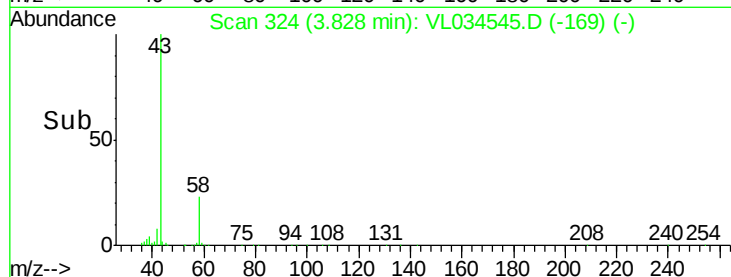
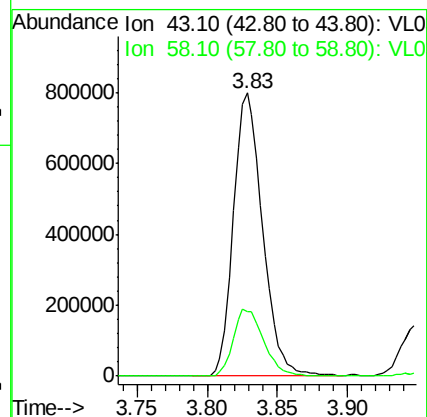
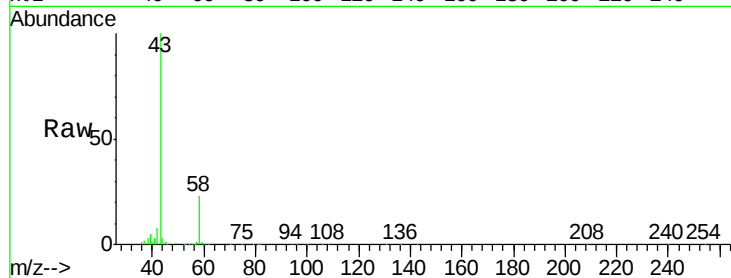
VL0102ABS01

Tgt Ion: 43 Resp: 1158821

Ion Ratio Lower Upper

43 100

58 24.8 20.4 30.6



#16

1,3-Butadiene

Concen: 9.605 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.00 min

Lab File: VL034545.D

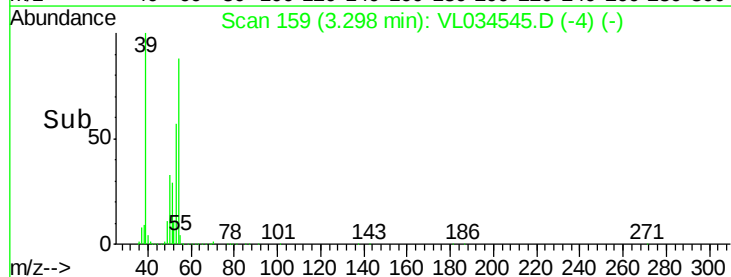
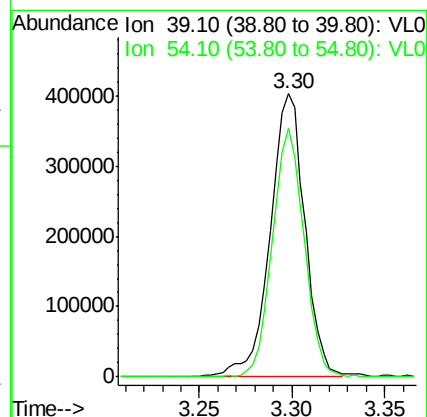
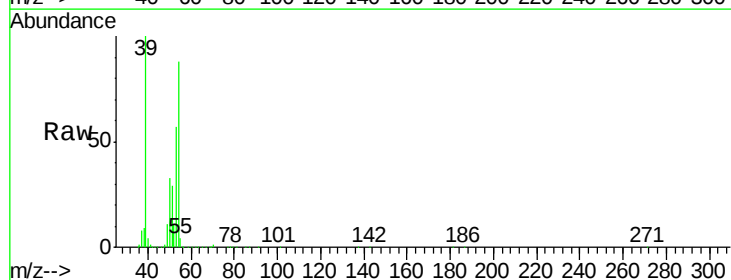
Acq: 2 Jan 2020 13:22

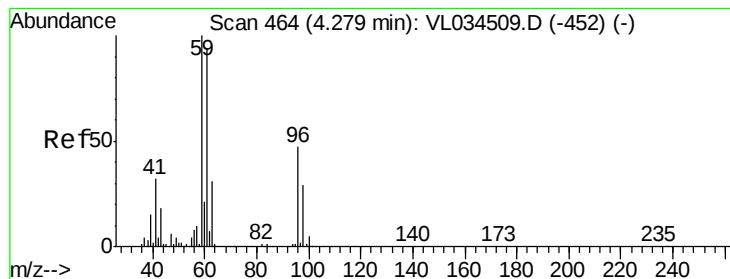
Tgt Ion: 39 Resp: 525209

Ion Ratio Lower Upper

39 100

54 81.0 66.2 99.2





#17

tert-Butyl alcohol

Concen: 10.261 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

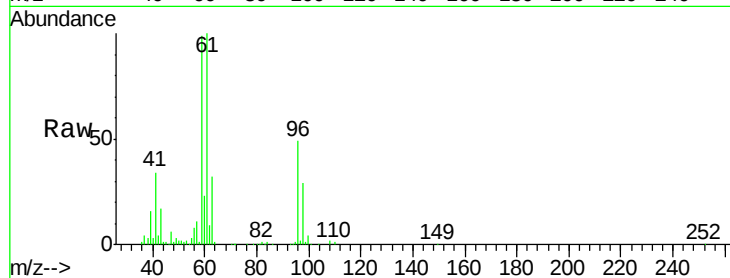
VL0102ABS01

Tgt Ion: 59 Resp: 1168070

Ion Ratio Lower Upper

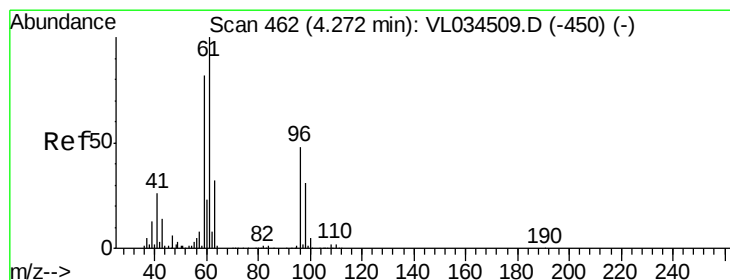
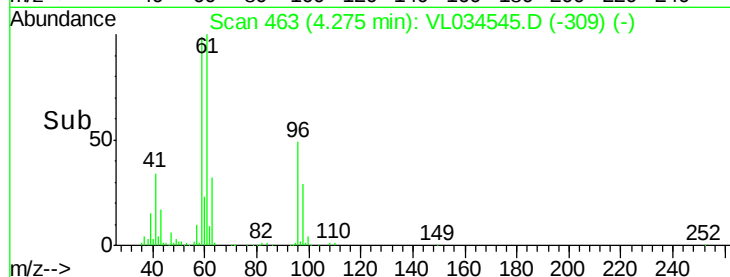
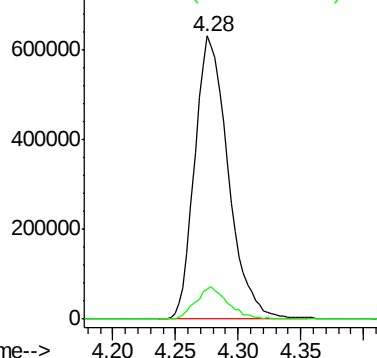
59 100

57 10.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.723 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

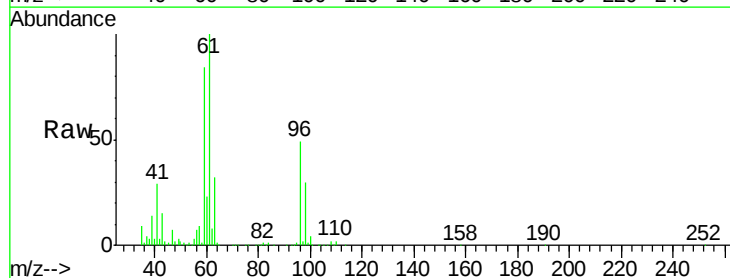
Tgt Ion: 96 Resp: 478943

Ion Ratio Lower Upper

96 100

61 204.1 165.9 248.9

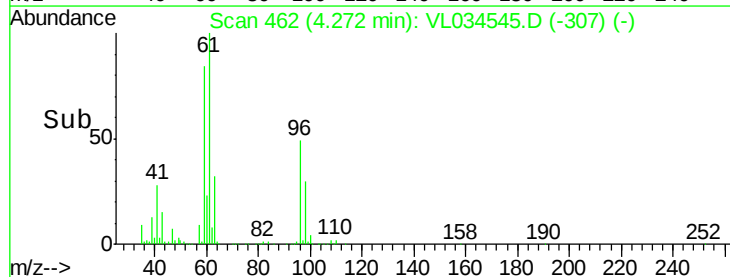
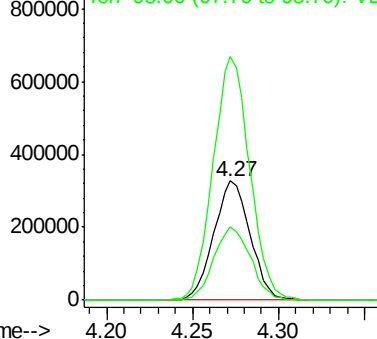
98 61.5 51.9 77.9

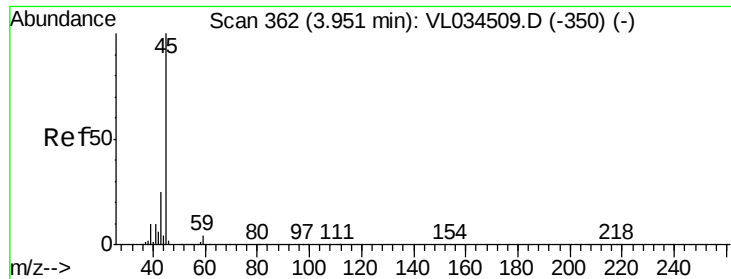


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

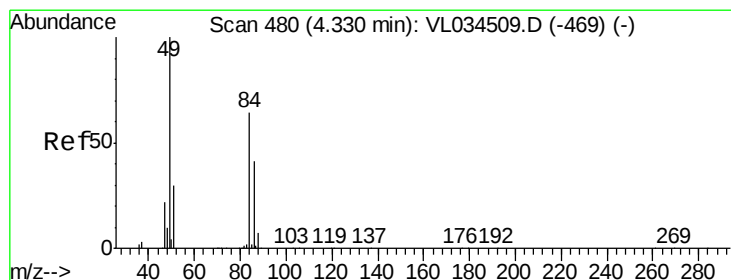
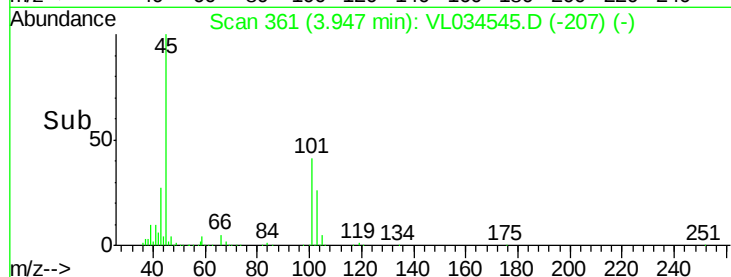
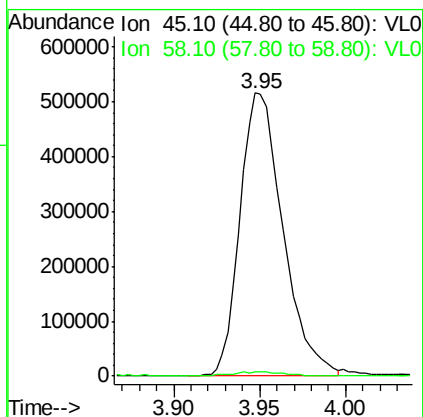
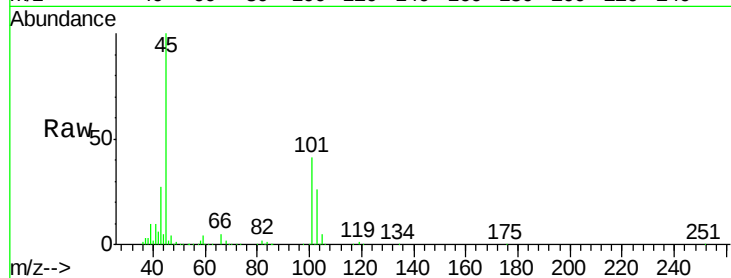




#19
Isopropyl Alcohol
Concen: 9.756 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

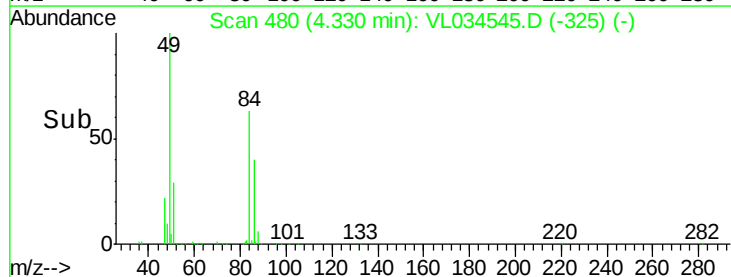
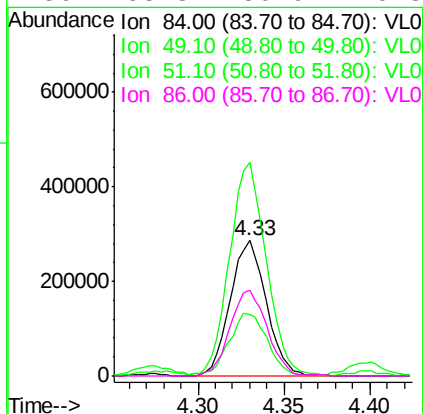
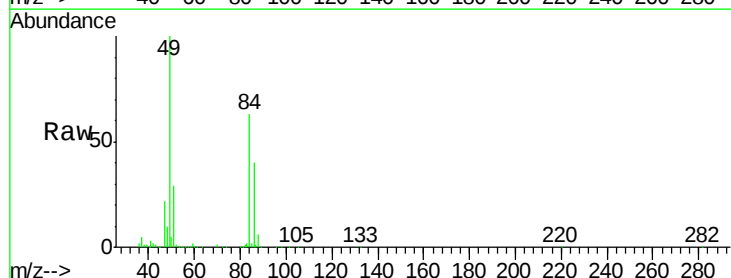
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

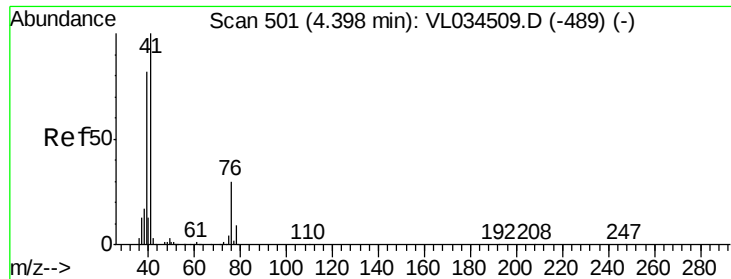
Tgt Ion: 45 Resp: 897867
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.0



#20
Methylene Chloride
Concen: 7.430 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 84 Resp: 415645
Ion Ratio Lower Upper
84 100
49 156.7 124.4 186.6
51 45.1 37.0 55.6
86 63.3 50.9 76.3

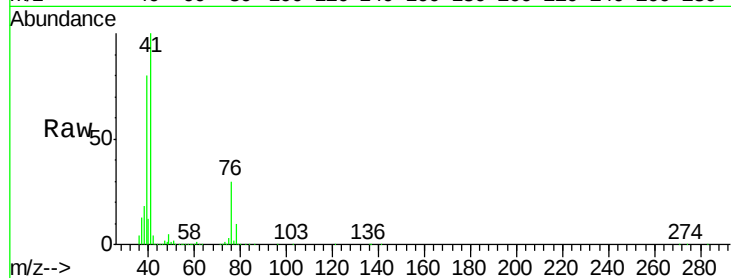




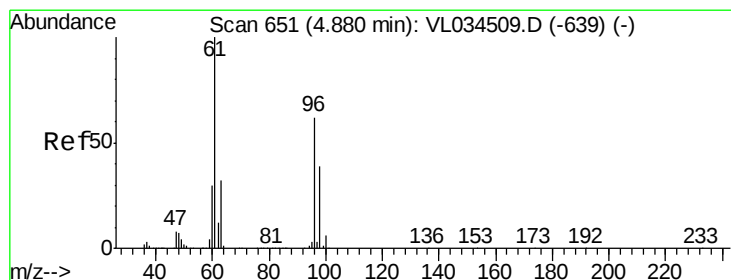
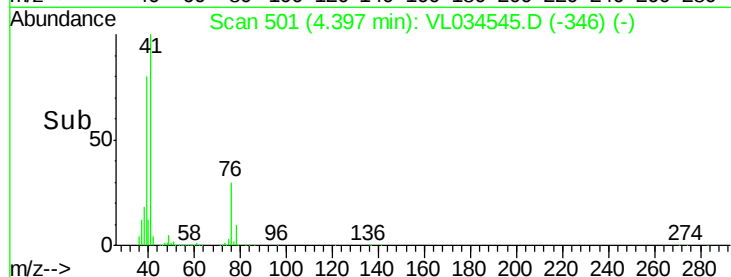
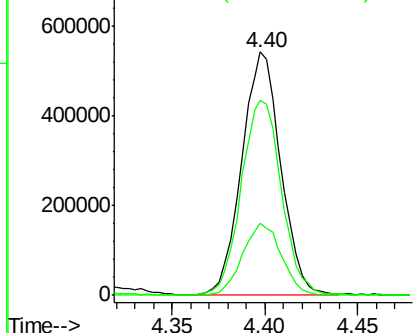
#21
 Allyl Chloride
 Concen: 9.575 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tgt Ion: 41 Resp: 782401
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.2 36.4
 39 83.9 65.8 98.6

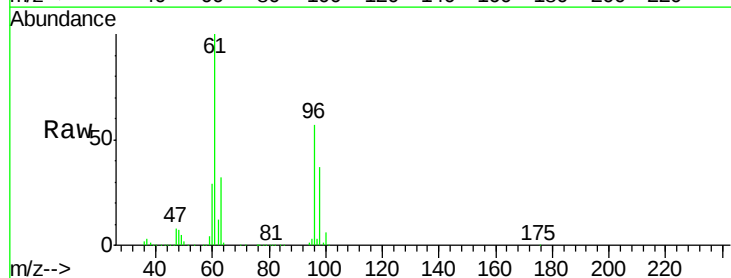


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

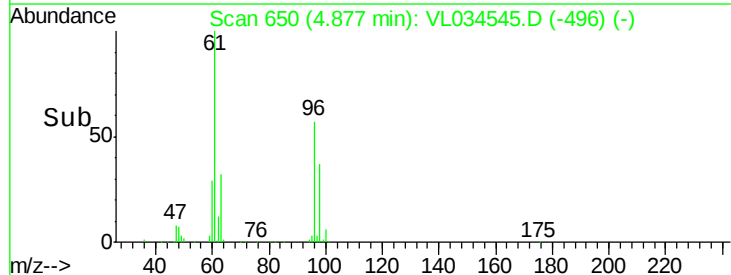
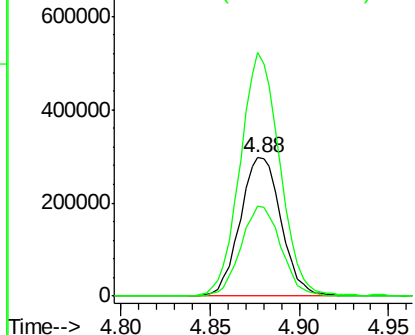


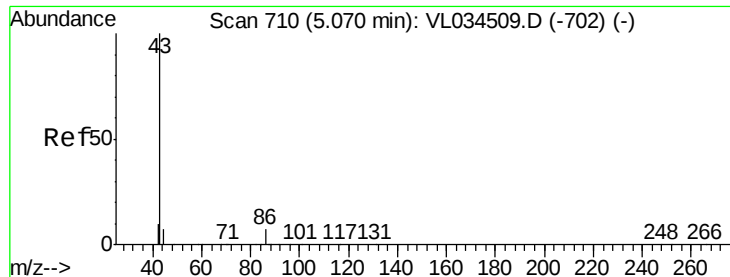
#22
 trans-1,2-Dichloroethene
 Concen: 9.536 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 96 Resp: 477799
 Ion Ratio Lower Upper
 96 100
 61 176.0 128.4 192.6
 98 65.1 50.6 75.8



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: 9.684 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tgt Ion: 43 Resp: 1589528

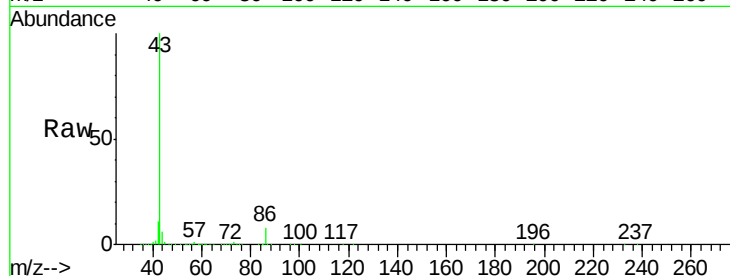
Ion Ratio Lower Upper

43 100

86 7.9 5.4 8.2

42 10.6 8.9 13.3

44 5.6 5.0 7.4

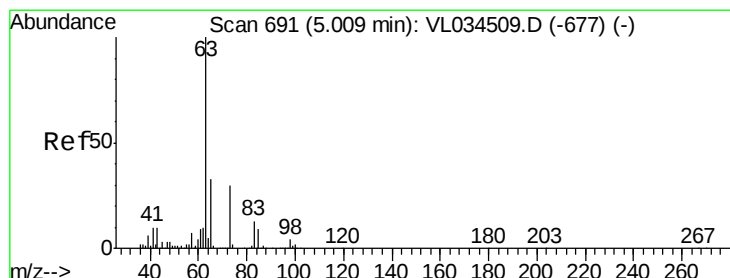
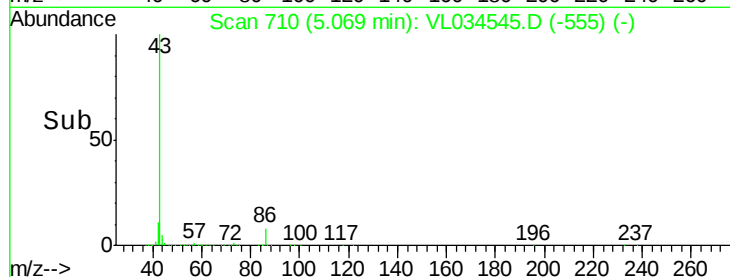
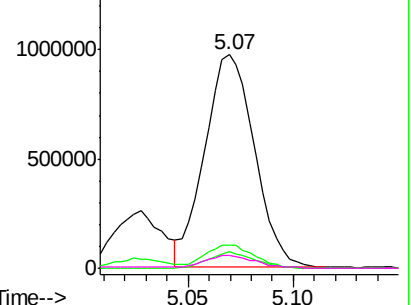


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.146 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

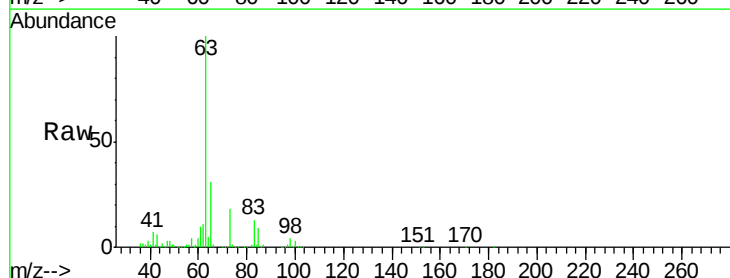
Tgt Ion: 63 Resp: 1206057

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.3

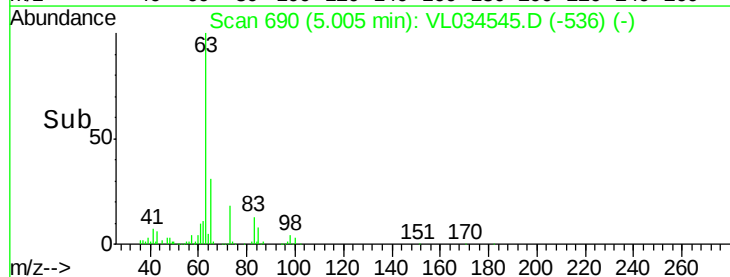
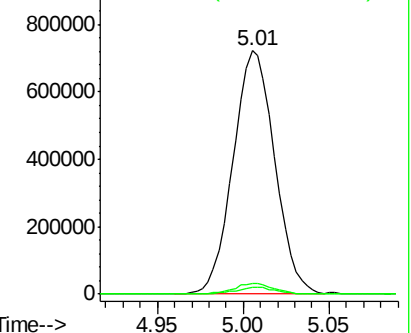
100 2.5 1.1 3.3

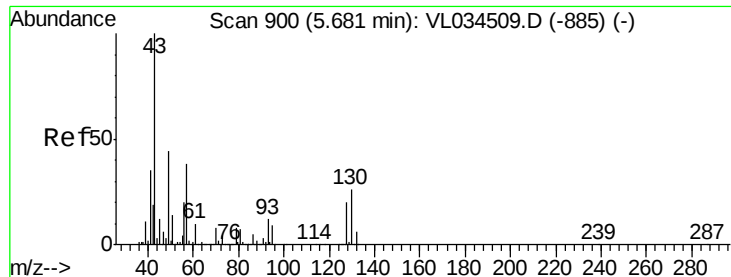


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.907 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tgt Ion: 43 Resp: 1977619

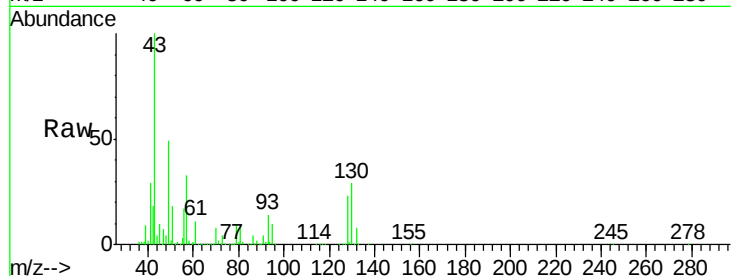
Ion Ratio Lower Upper

43 100

45 10.4 8.3 12.5

61 9.4 7.8 11.6

70 7.0 5.8 8.8



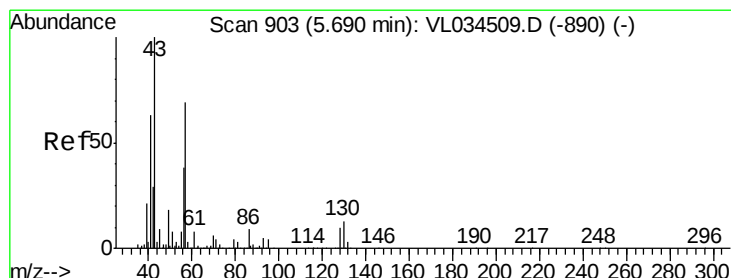
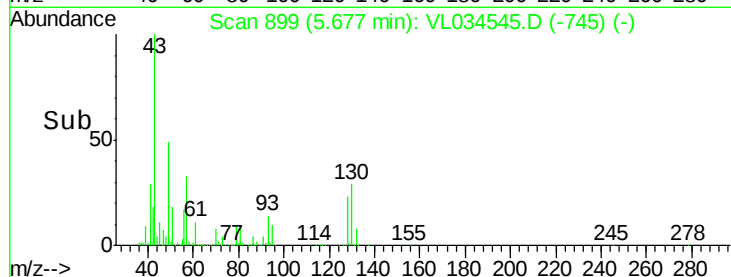
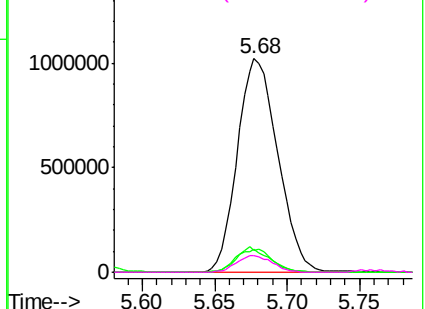
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.386 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion: 57 Resp: 878107

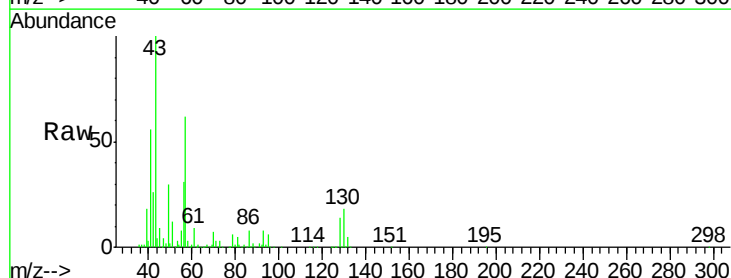
Ion Ratio Lower Upper

57 100

41 94.8 75.3 112.9

43 226.5 189.4 284.2

56 53.3 42.8 64.2



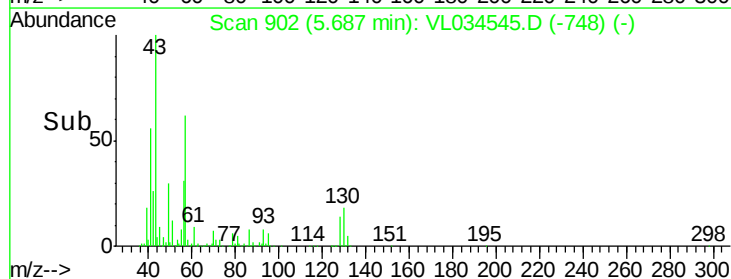
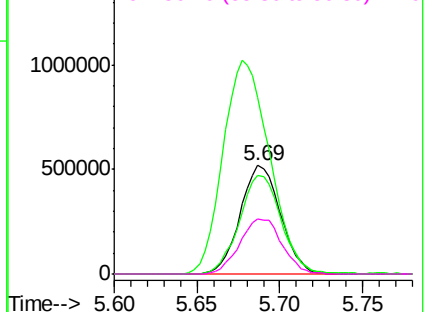
Abundance

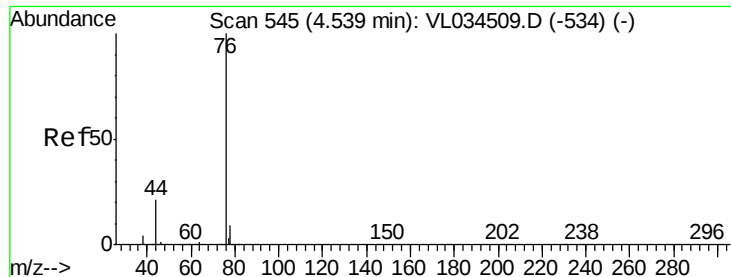
Ion 57.10 (56.80 to 57.80): VL0

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: 10.245 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

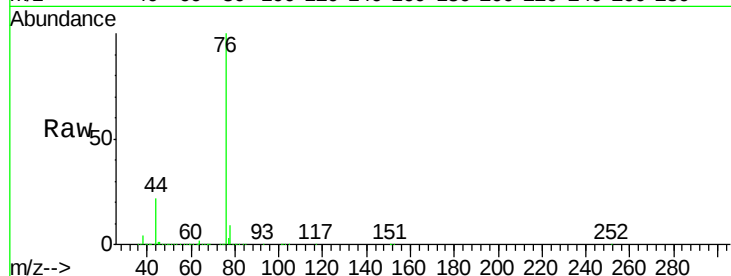
Tgt Ion: 76 Resp: 1211517

Ion Ratio Lower Upper

76 100

44 20.2 16.6 25.0

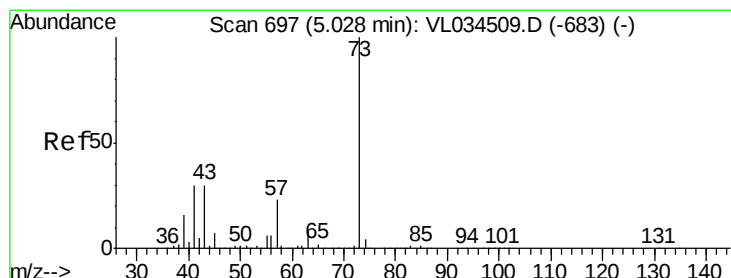
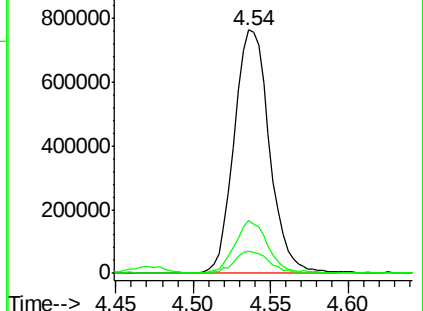
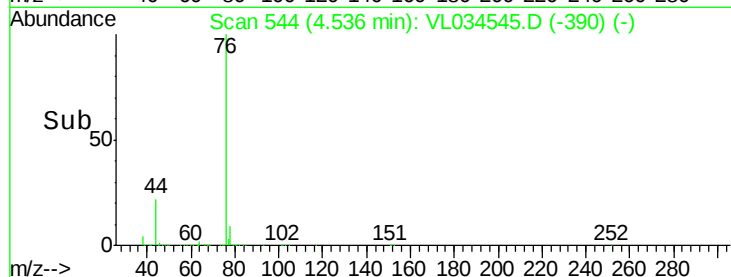
78 9.0 7.4 11.0



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: 9.705 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL034545.D

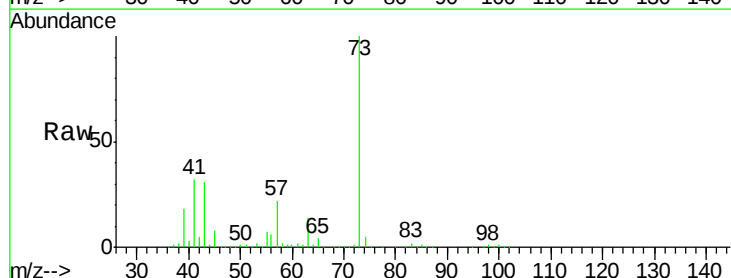
Acq: 2 Jan 2020 13:22

Tgt Ion: 73 Resp: 1516466

Ion Ratio Lower Upper

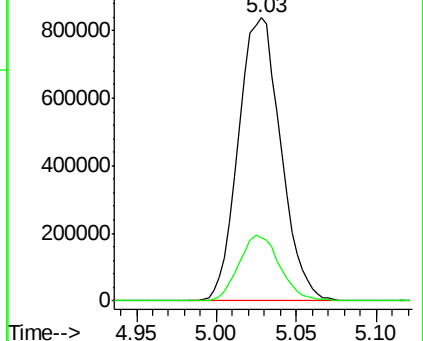
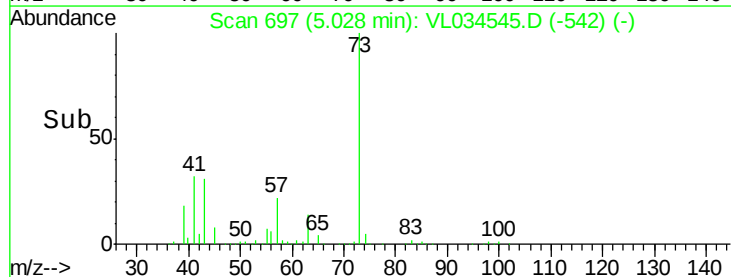
73 100

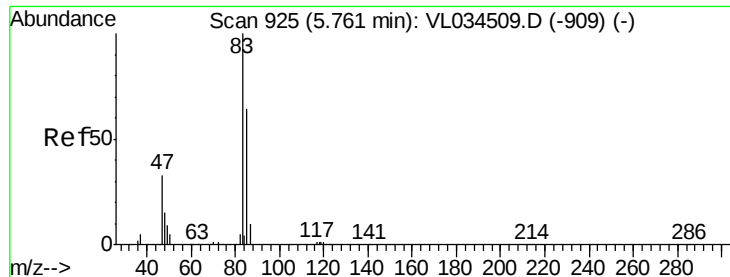
57 22.6 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.104 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

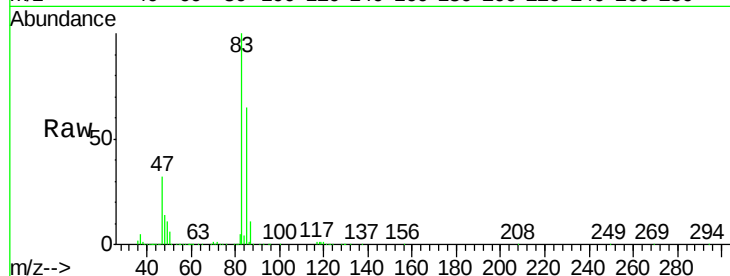
VL0102ABS01

Tgt Ion: 83 Resp: 1473686

Ion Ratio Lower Upper

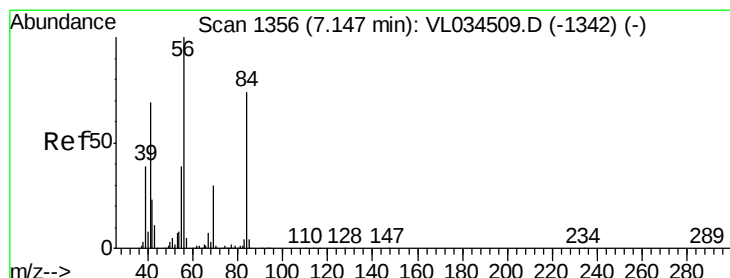
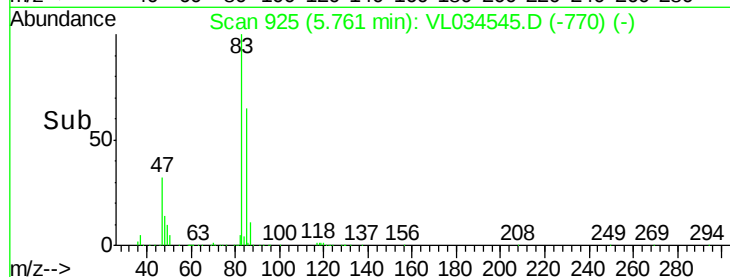
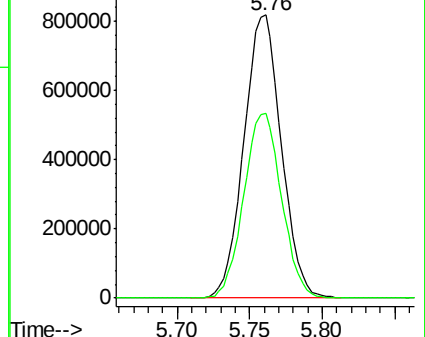
83 100

85 65.2 51.0 76.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.746 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

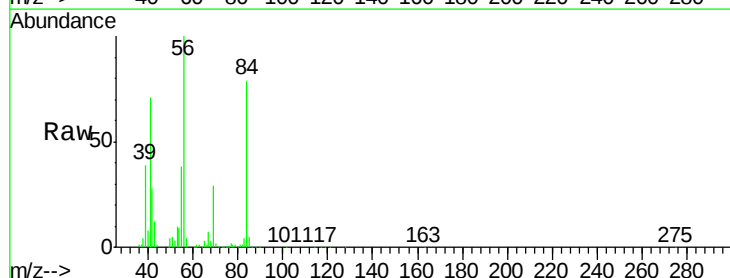
Tgt Ion: 84 Resp: 677705

Ion Ratio Lower Upper

84 100

56 141.9 112.7 169.1

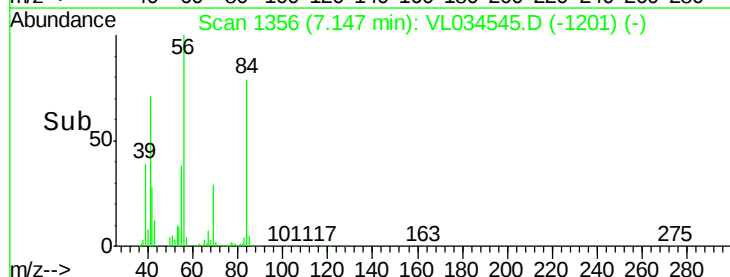
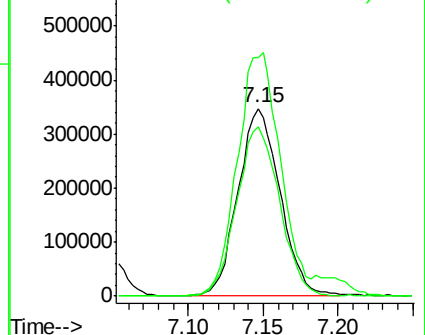
41 92.4 73.0 109.4

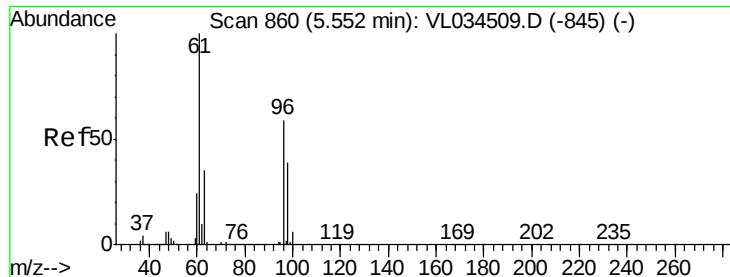


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 9.650 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

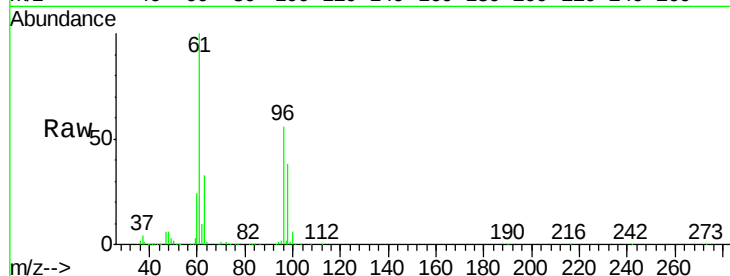
Tgt Ion: 61 Resp: 919993

Ion Ratio Lower Upper

61 100

96 56.2 47.1 70.7

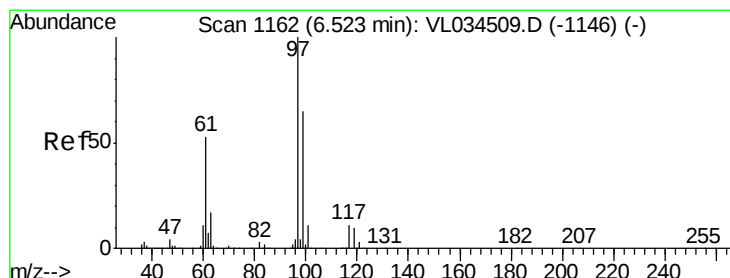
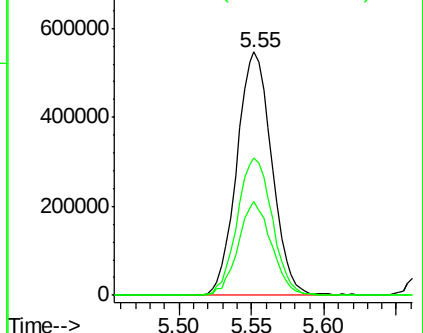
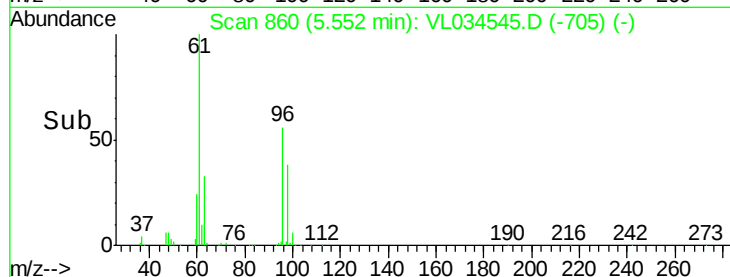
98 38.3 31.0 46.6



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.093 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

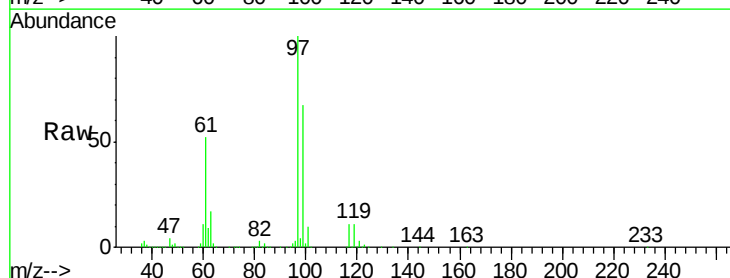
Tgt Ion: 97 Resp: 1527958

Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

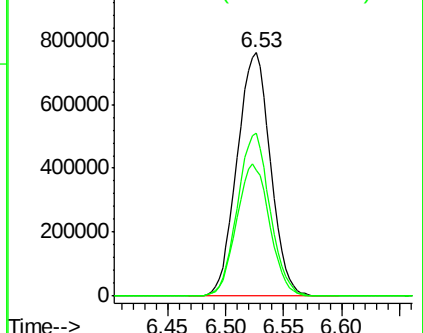
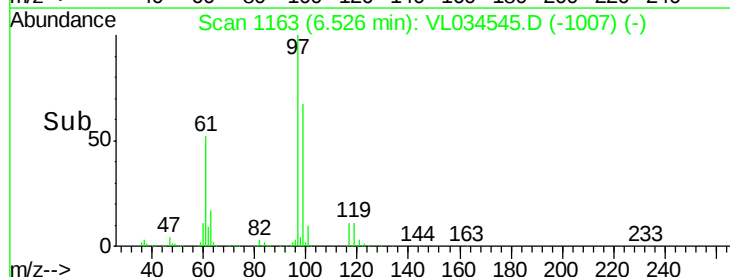
61 54.0 42.9 64.3

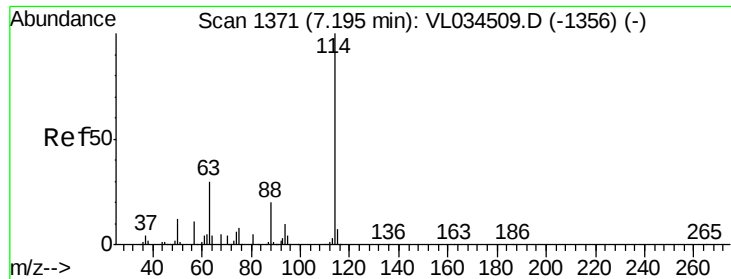


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

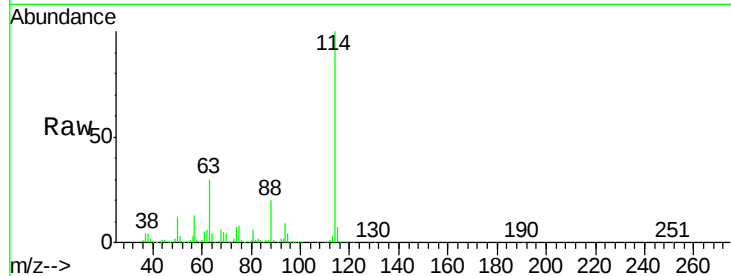




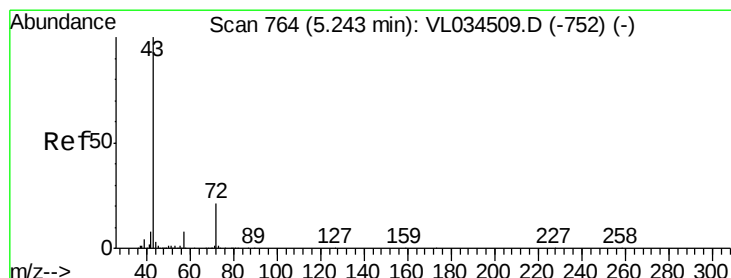
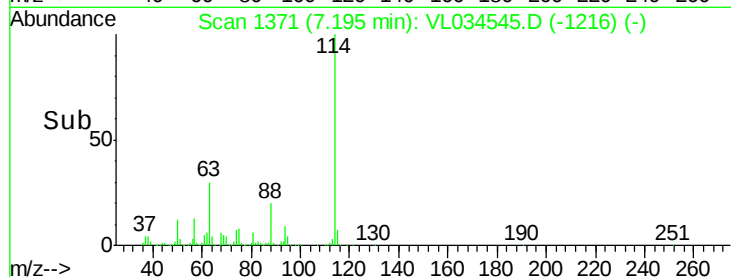
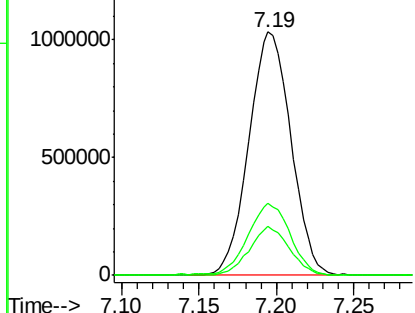
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tgt Ion:114 Resp: 1955718
 Ion Ratio Lower Upper
 114 100
 63 30.2 24.1 36.1
 88 19.1 15.7 23.5

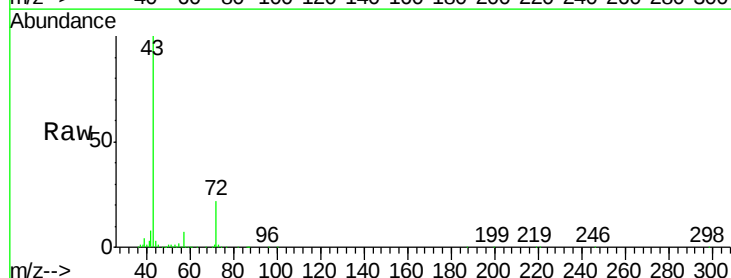


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

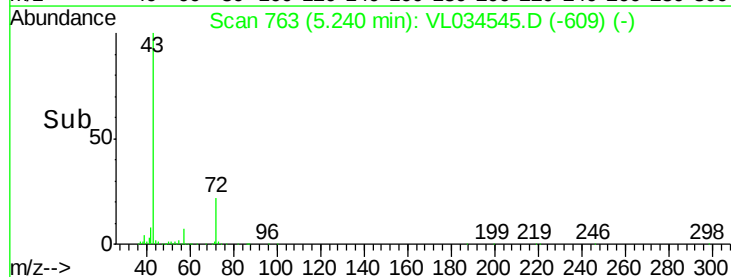
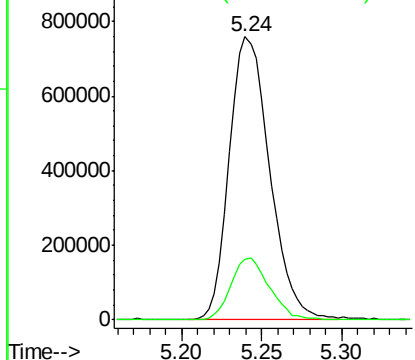


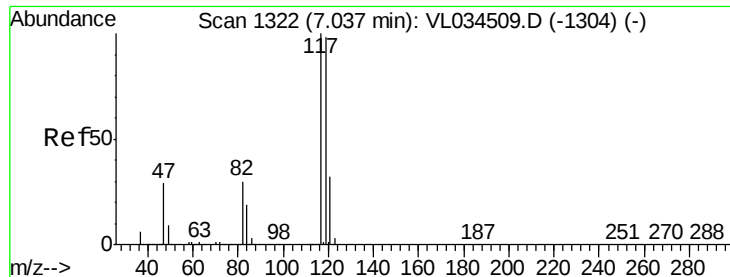
#34
 2-Butanone
 Concen: 9.317 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 43 Resp: 1302151
 Ion Ratio Lower Upper
 43 100
 72 20.9 17.0 25.4



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





#35

Carbon Tetrachloride

Concen: 9.217 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

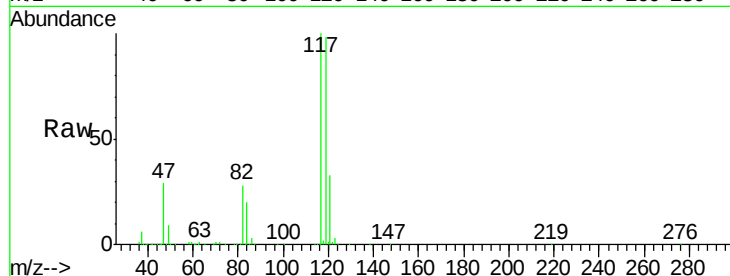
Tgt Ion:117 Resp: 1634764

Ion Ratio Lower Upper

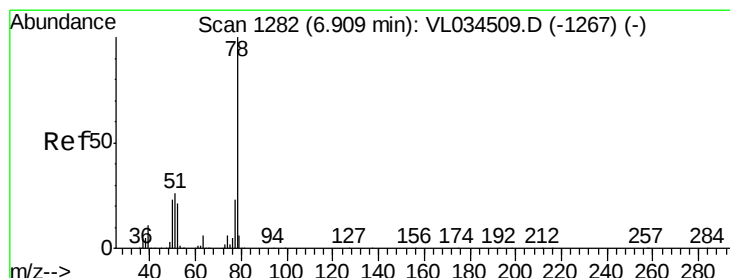
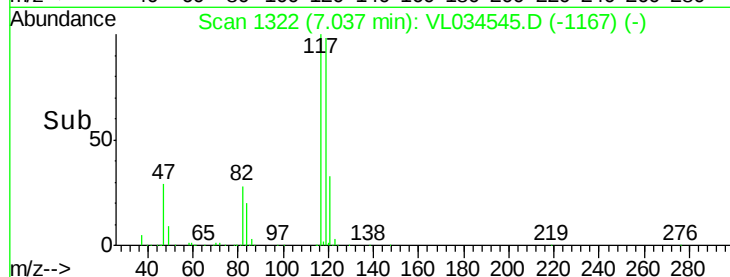
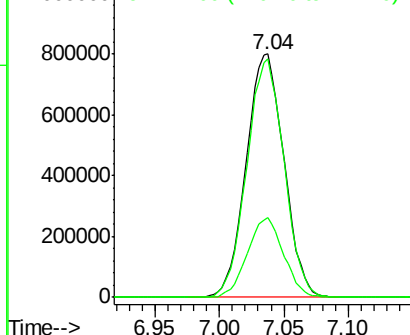
117 100

119 98.0 78.7 118.1

121 32.7 25.9 38.9



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: 9.554 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

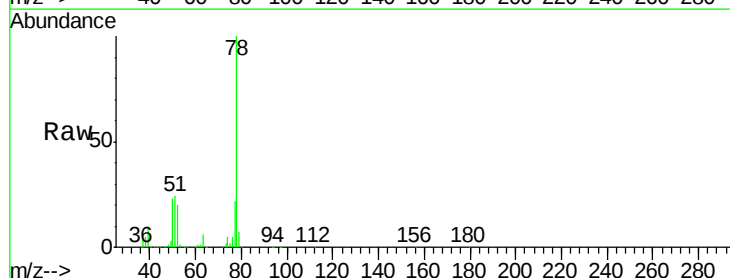
Tgt Ion: 78 Resp: 1628750

Ion Ratio Lower Upper

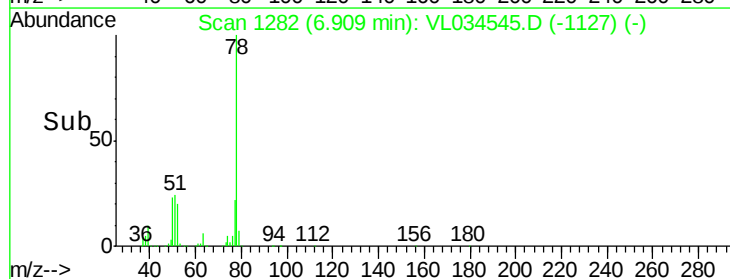
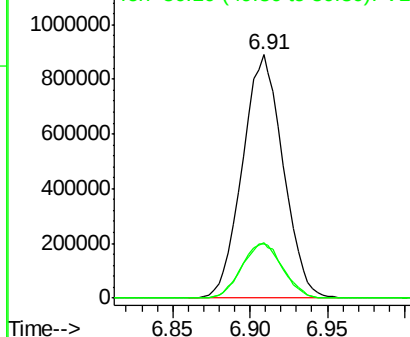
78 100

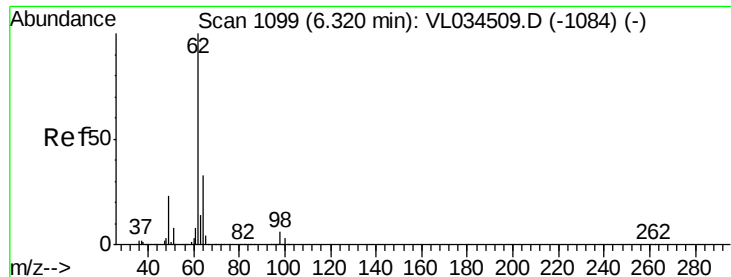
77 22.3 18.6 28.0

50 22.9 18.8 28.2



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

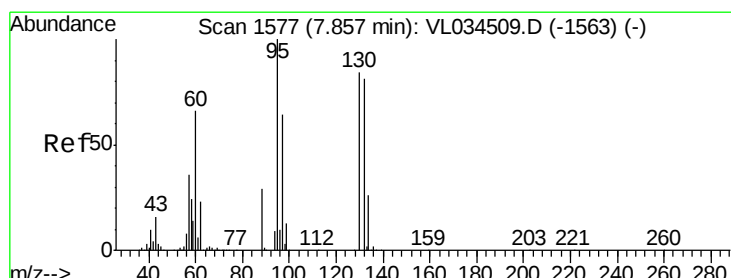
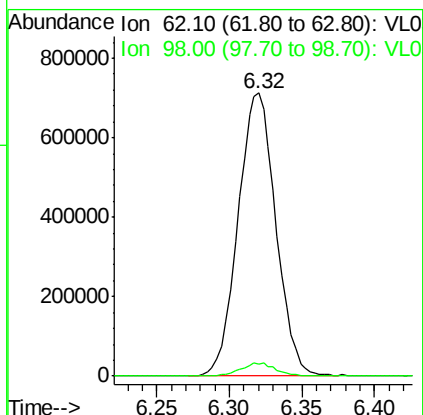
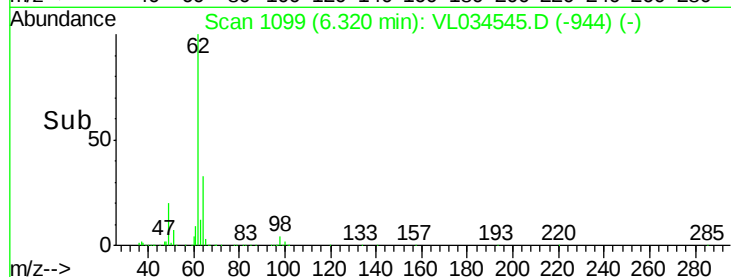
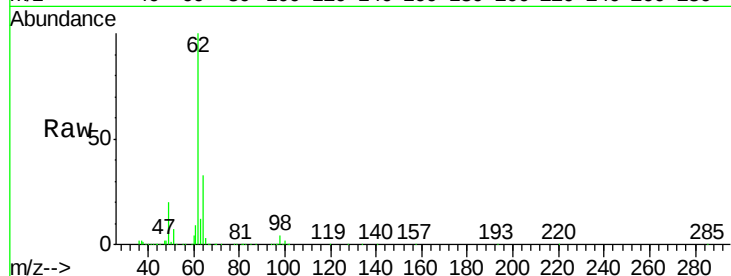




#37
 1,2-Dichloroethane
 Concen: 9.304 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

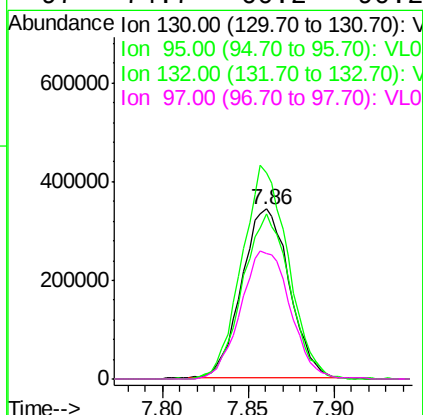
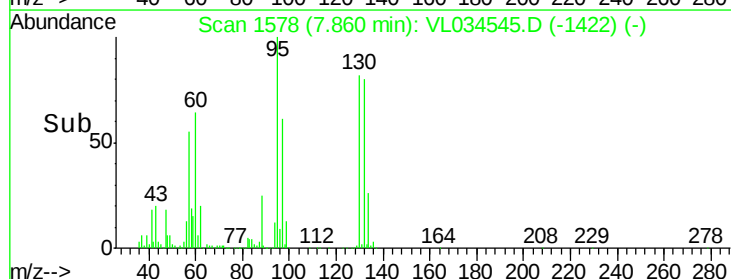
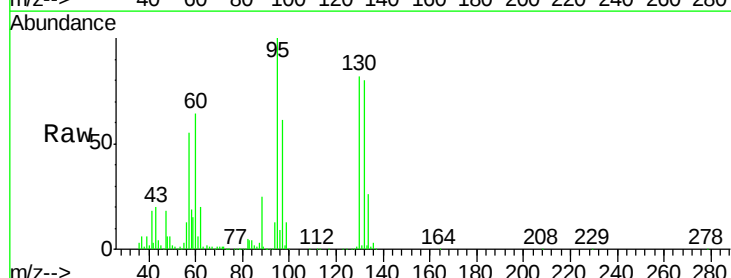
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

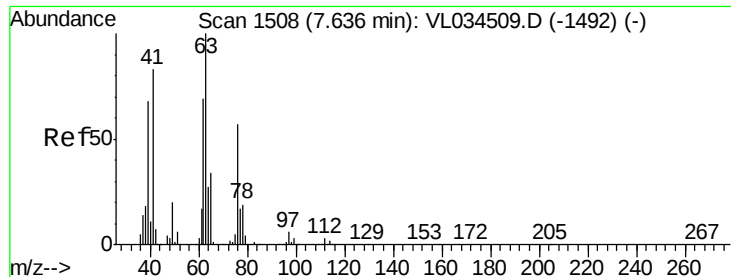
Tgt Ion: 62 Resp: 1288042
 Ion Ratio Lower Upper
 62 100
 98 4.3 3.8 5.6



#38
 Trichloroethene
 Concen: 9.533 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 130 Resp: 656514
 Ion Ratio Lower Upper
 130 100
 95 122.2 94.2 141.2
 132 98.0 76.1 114.1
 97 74.7 60.2 90.2

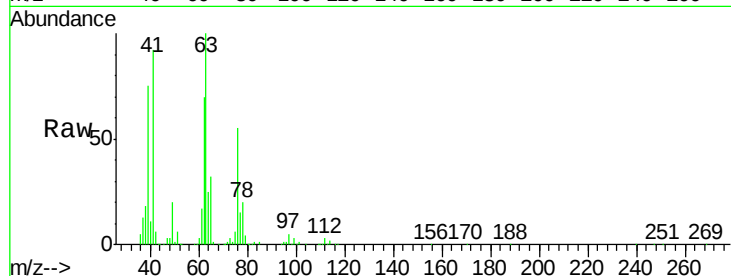




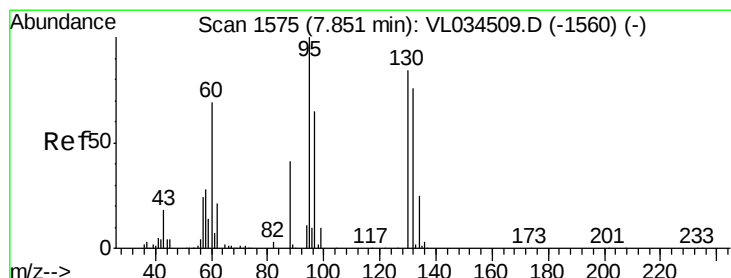
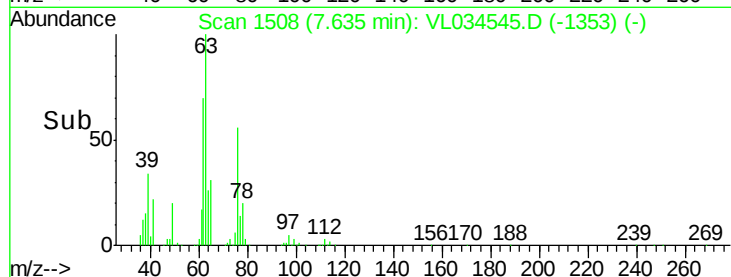
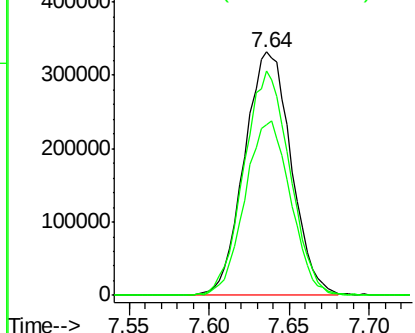
#39
 1,2-Dichloropropane
 Concen: 9.452 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tgt Ion: 63 Resp: 662622
 Ion Ratio Lower Upper
 63 100
 41 91.9 66.1 99.1
 62 70.0 54.9 82.3

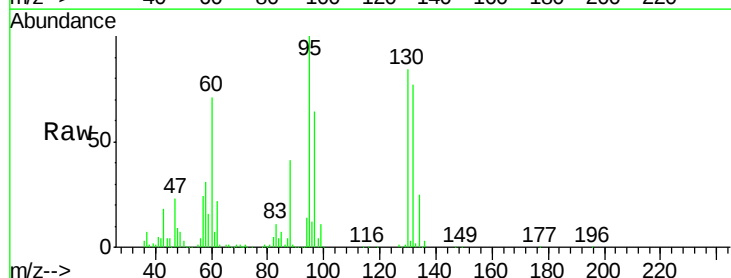


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

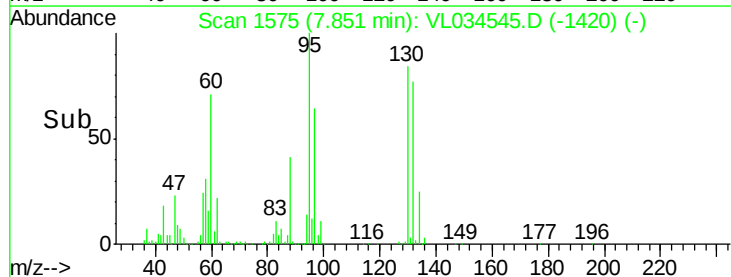
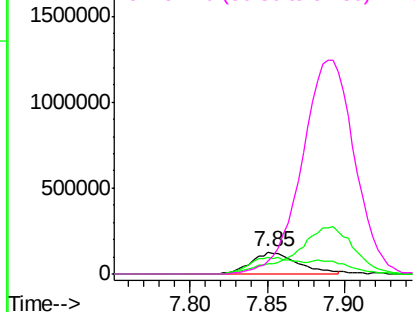


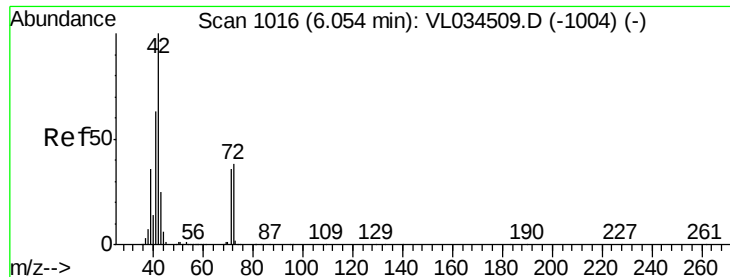
#40
 1,4-Dioxane
 Concen: 9.396 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 88 Resp: 266587
 Ion Ratio Lower Upper
 88 100
 58 133.1 107.9 161.9
 43 269.9 0.0 0.0#
 57 1105.7 0.0 0.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0

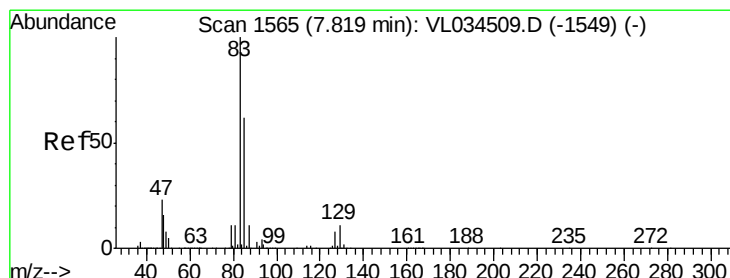
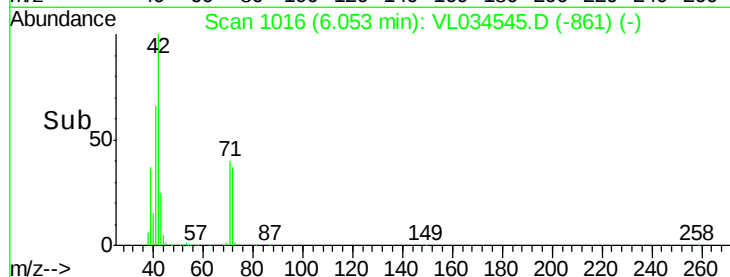
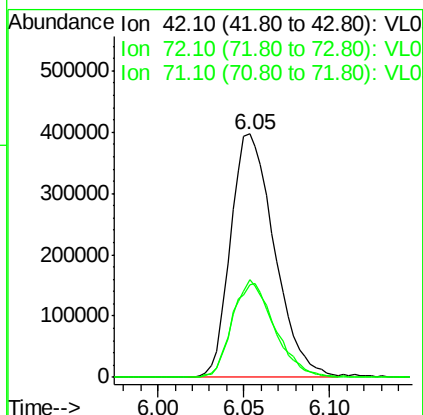
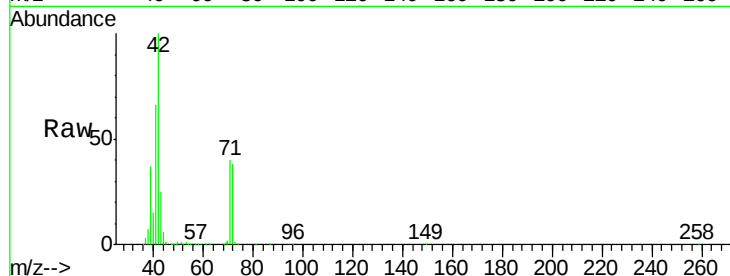




#41
 Tetrahydrofuran
 Concen: 9.816 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

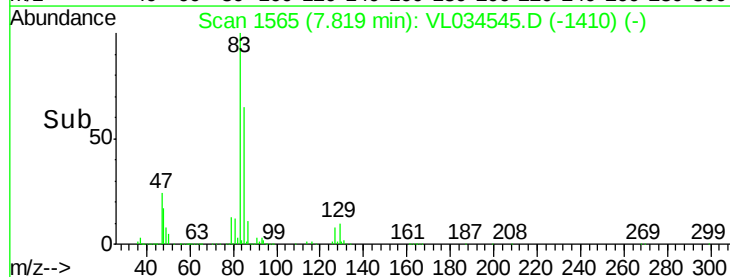
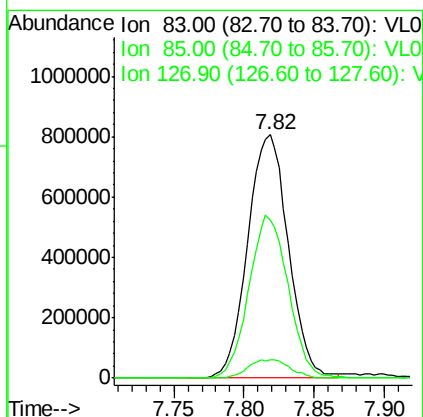
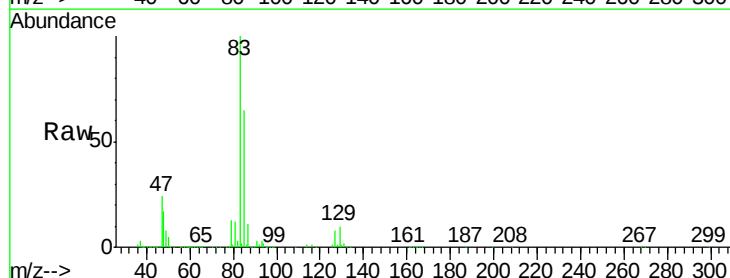
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

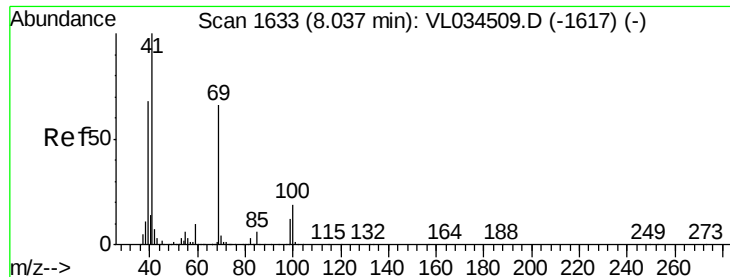
Tgt Ion: 42 Resp: 703755
 Ion Ratio Lower Upper
 42 100
 72 38.4 30.9 46.3
 71 38.5 28.9 43.3



#42
 Bromodichloromethane
 Concen: 9.551 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 83 Resp: 1626929
 Ion Ratio Lower Upper
 83 100
 85 64.8 49.4 74.2
 127 7.7 6.2 9.4

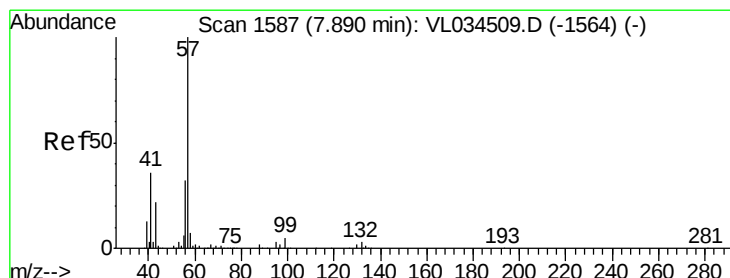
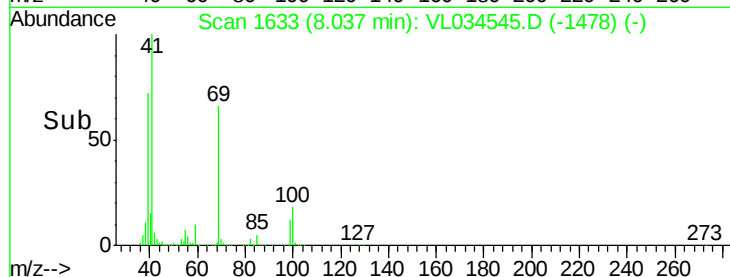
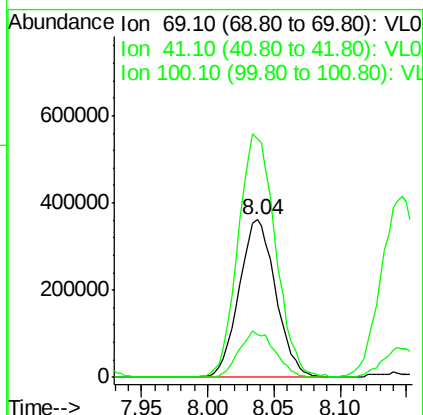
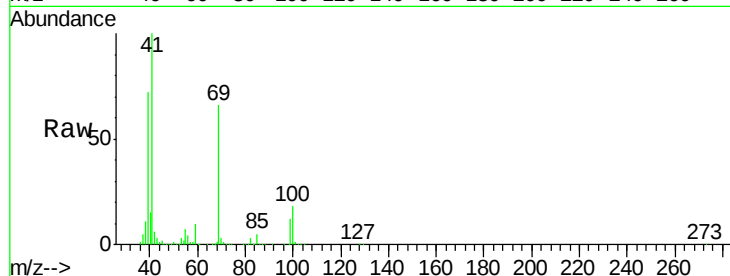




#43
Methyl Methacrylate
Concen: 10.005 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

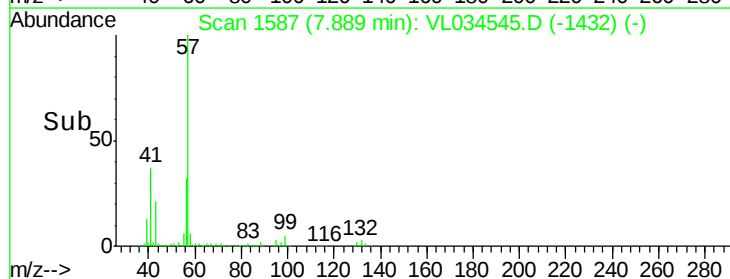
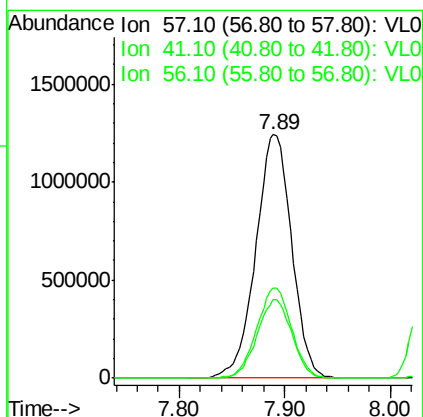
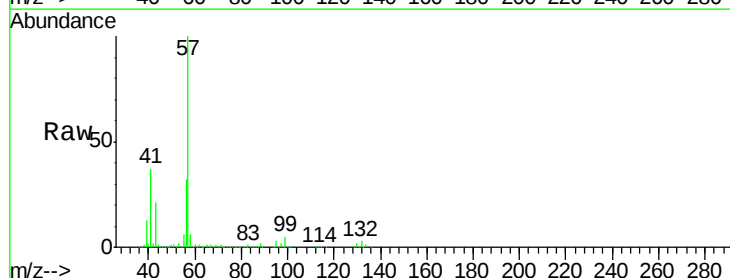
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

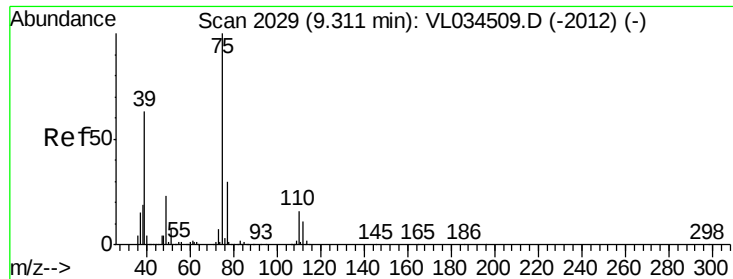
Tgt Ion: 69 Resp: 695769
Ion Ratio Lower Upper
69 100
41 156.7 124.0 186.0
100 28.9 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 9.334 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 57 Resp: 2943516
Ion Ratio Lower Upper
57 100
41 36.2 29.0 43.4
56 31.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 10.314 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

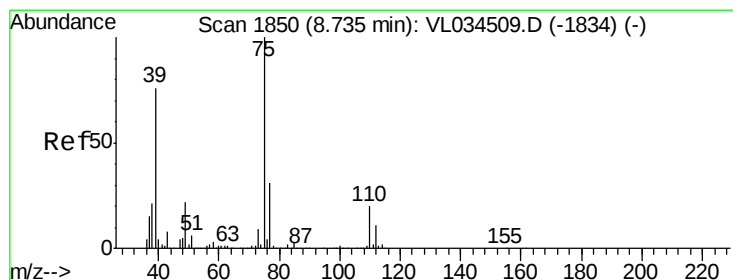
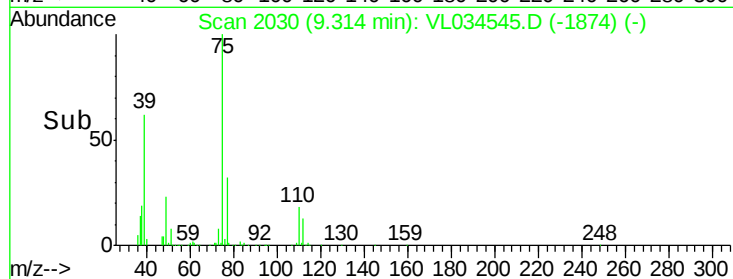
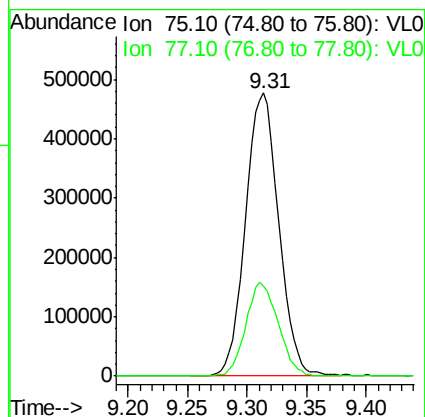
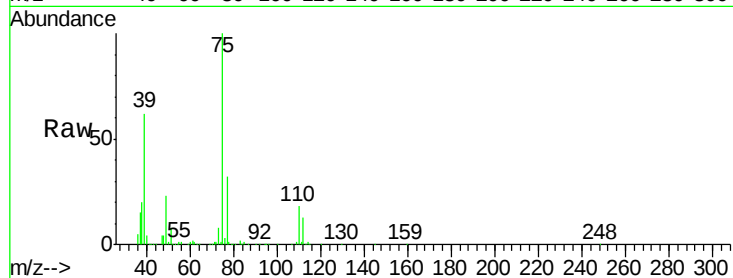
VL0102ABS01

Tgt Ion: 75 Resp: 923961

Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 10.199 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

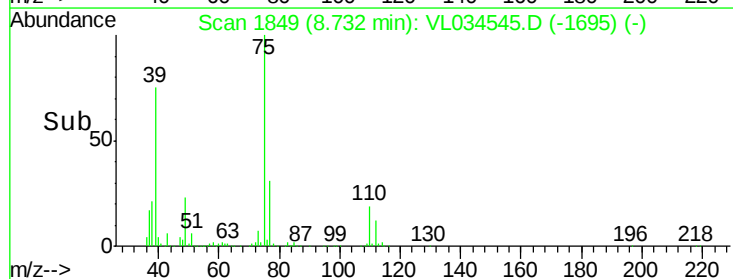
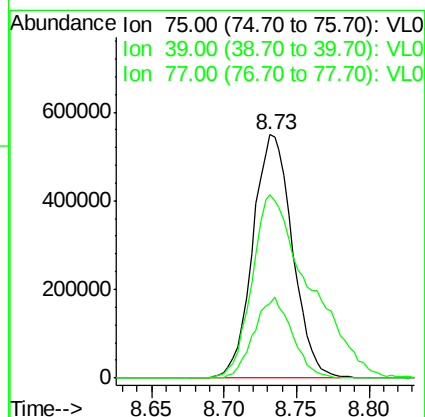
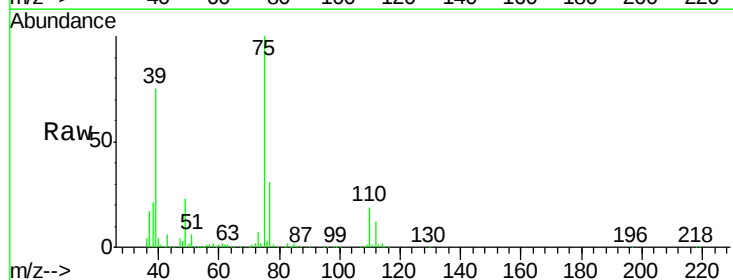
Tgt Ion: 75 Resp: 1044376

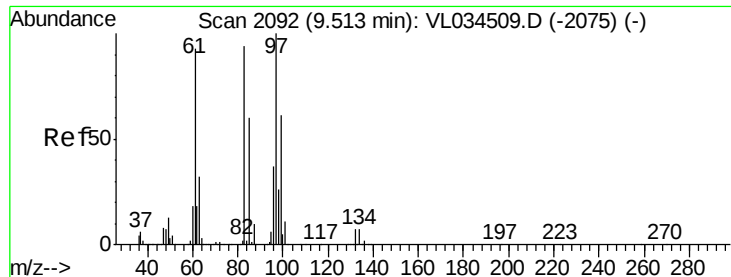
Ion Ratio Lower Upper

75 100

39 75.4 60.5 90.7

77 30.6 24.8 37.2

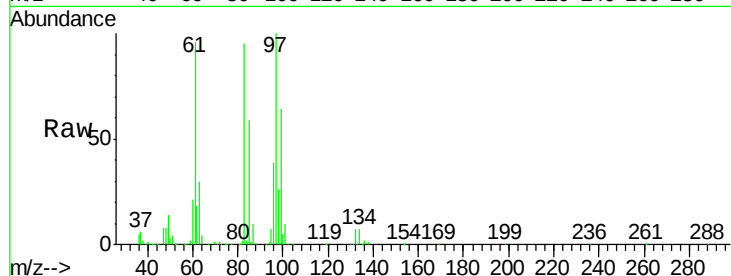




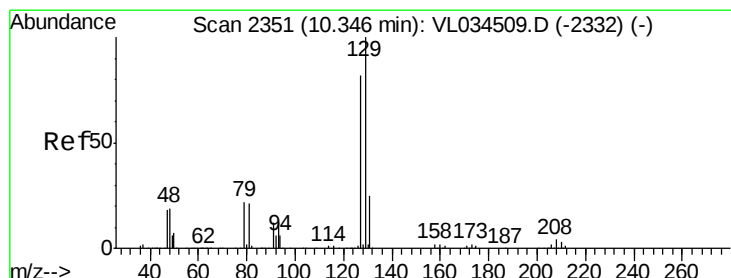
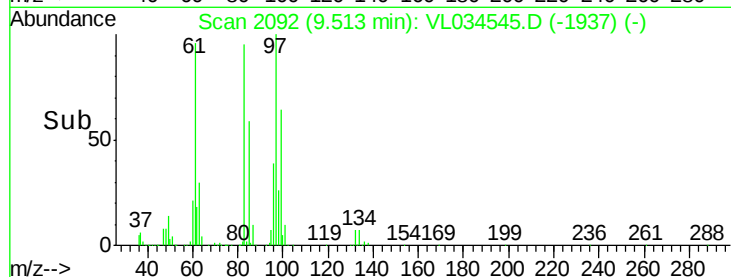
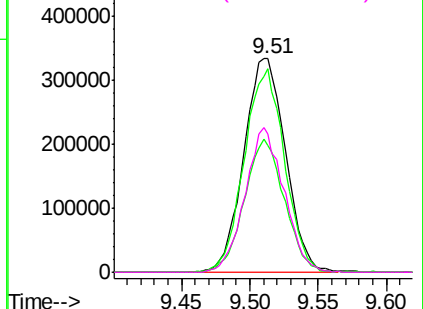
#47
 1,1,2-Trichloroethane
 Concen: 9.144 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tgt Ion: 97 Resp: 706607
 Ion Ratio Lower Upper
 97 100
 83 95.2 75.0 112.4
 85 59.2 48.2 72.4
 99 64.4 48.5 72.7

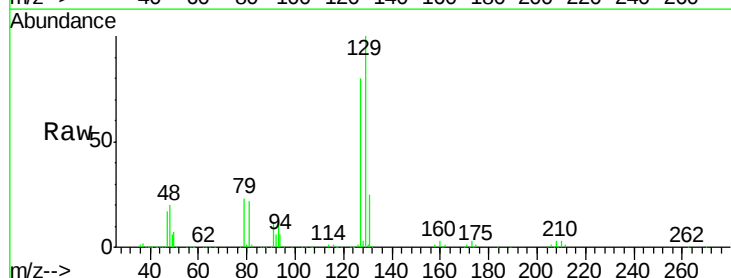


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

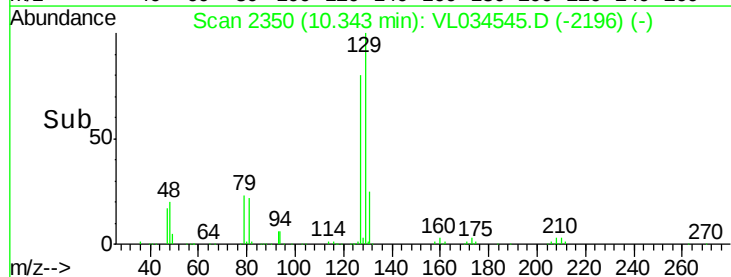
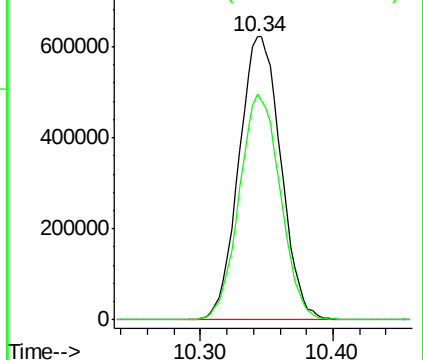


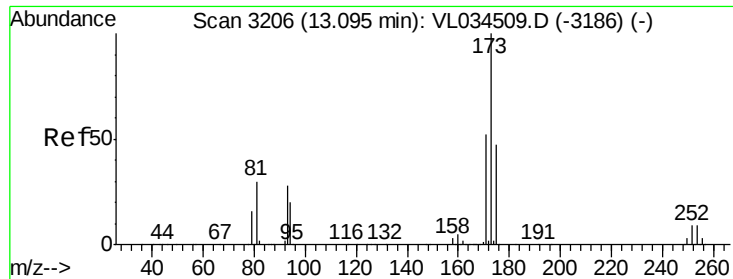
#48
 Dibromochloromethane
 Concen: 10.191 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 129 Resp: 1365234
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.090 ppbv

RT: 13.09 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

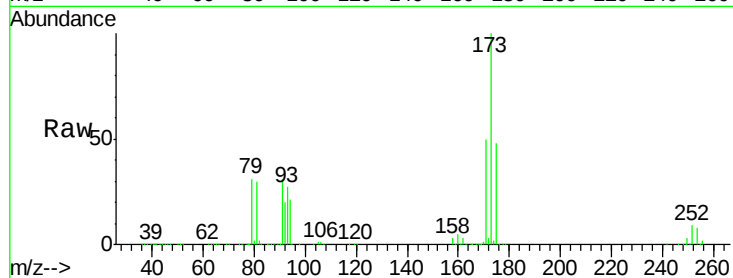
Tgt Ion:173 Resp: 1223635

Ion Ratio Lower Upper

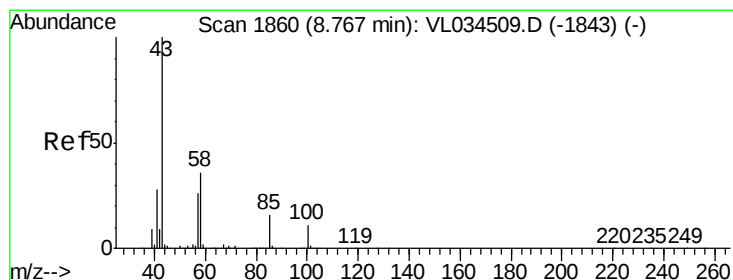
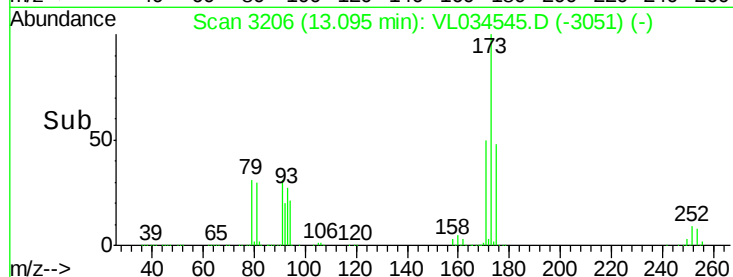
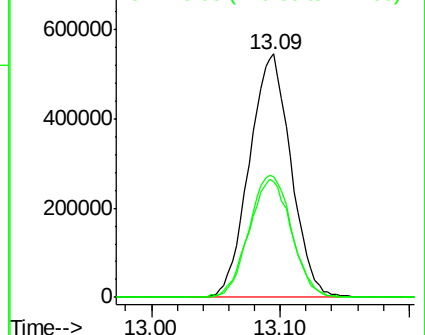
173 100

175 49.6 39.8 59.8

171 52.2 42.1 63.1



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: 9.652 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL034545.D

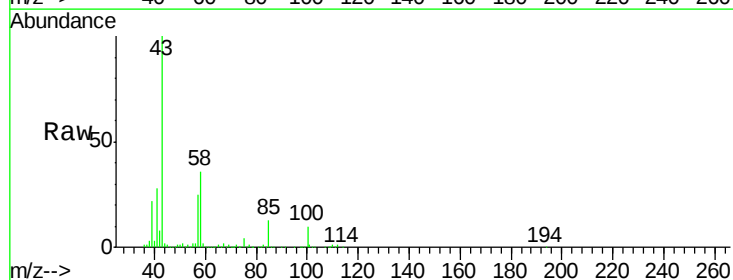
Acq: 2 Jan 2020 13:22

Tgt Ion: 43 Resp: 1958233

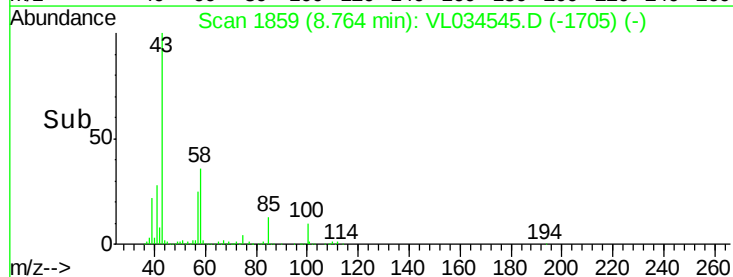
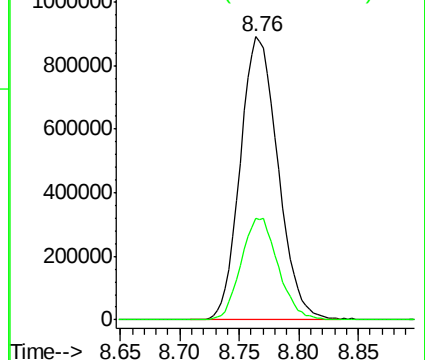
Ion Ratio Lower Upper

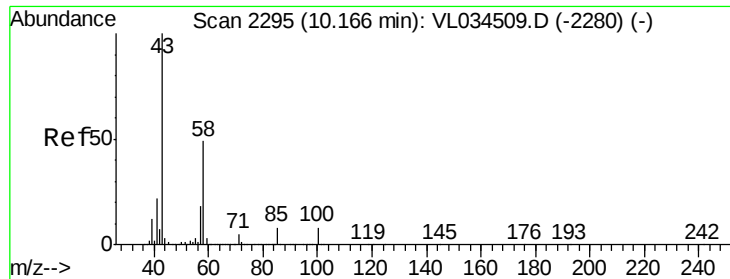
43 100

58 35.4 28.2 42.2



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

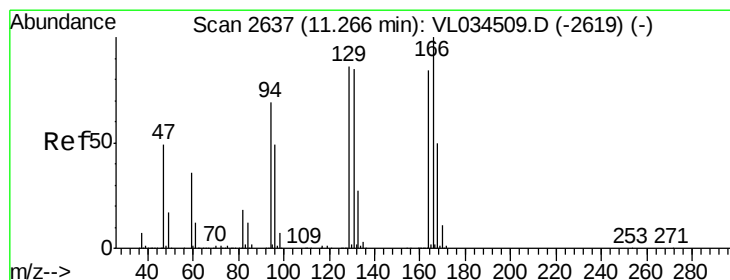
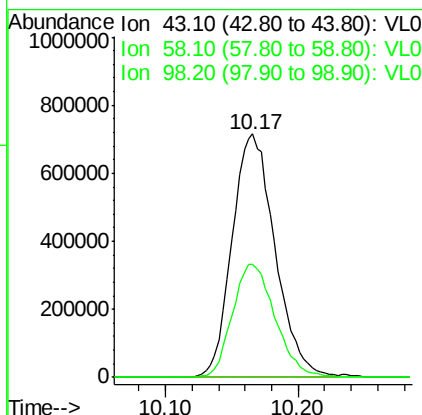
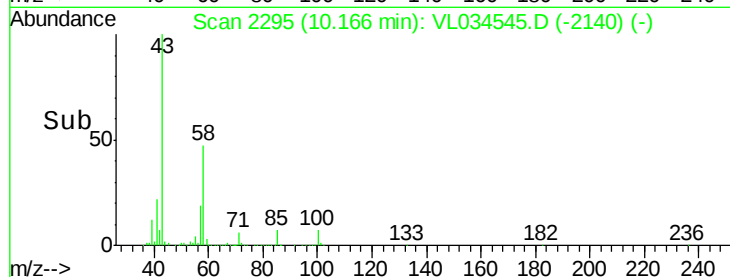
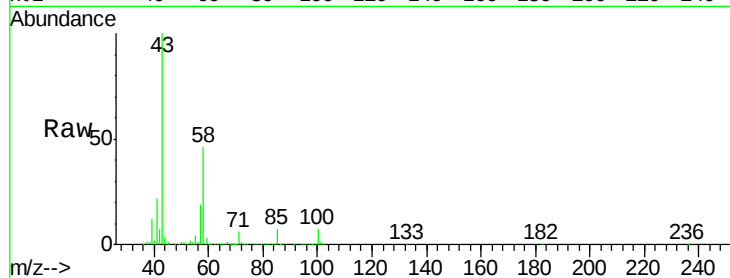




#51
2-Hexanone
Concen: 9.769 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

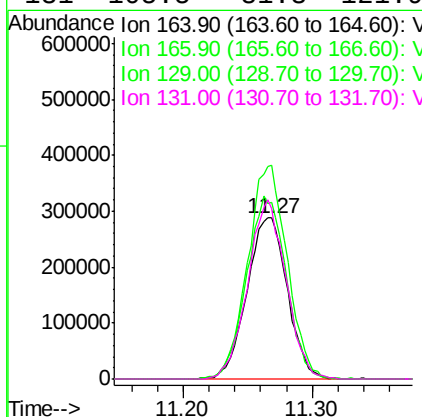
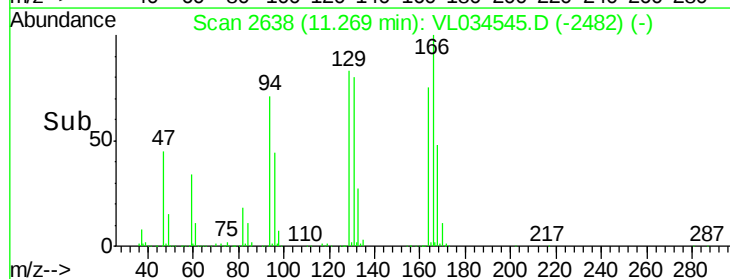
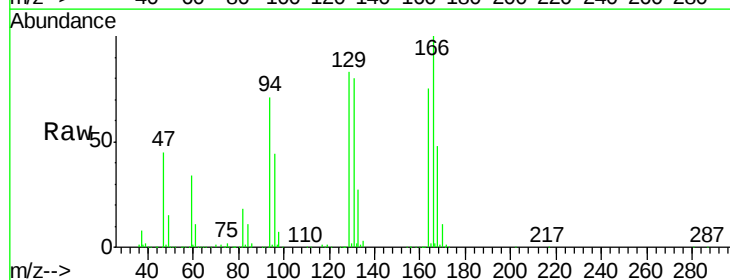
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

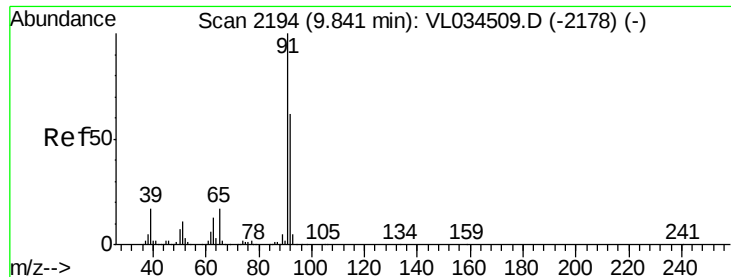
Tgt Ion: 43 Resp: 1599927
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.416 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 164 Resp: 626436
Ion Ratio Lower Upper
164 100
166 132.5 95.7 143.5
129 109.7 82.2 123.2
131 105.5 81.3 121.9





#53

Toluene

Concen: 10.005 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

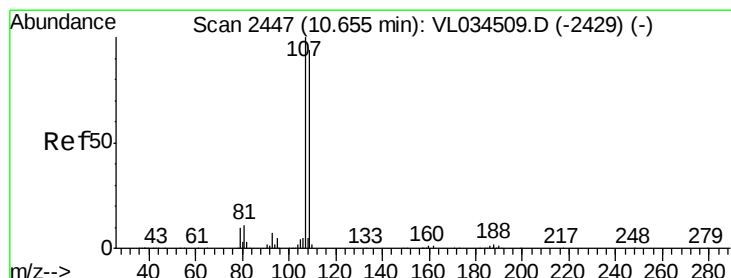
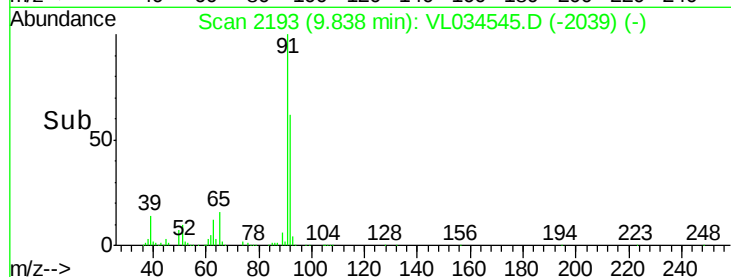
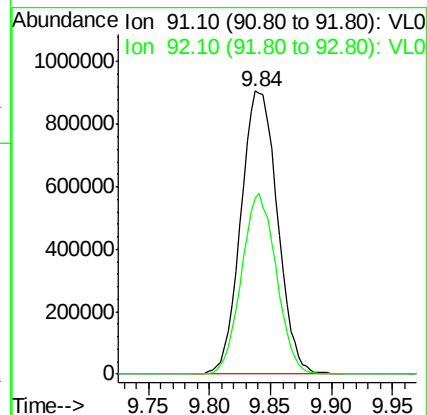
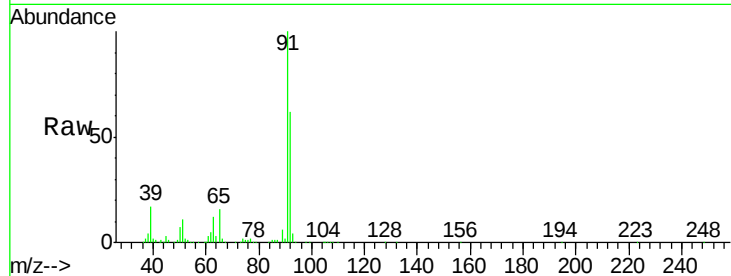
VL0102ABS01

Tgt Ion: 91 Resp: 1873853

Ion Ratio Lower Upper

91 100

92 61.0 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.074 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. -0.00 min

Lab File: VL034545.D

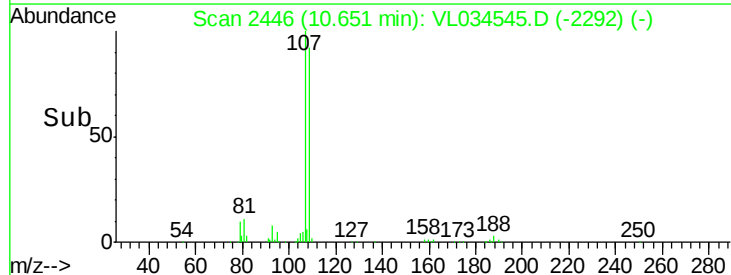
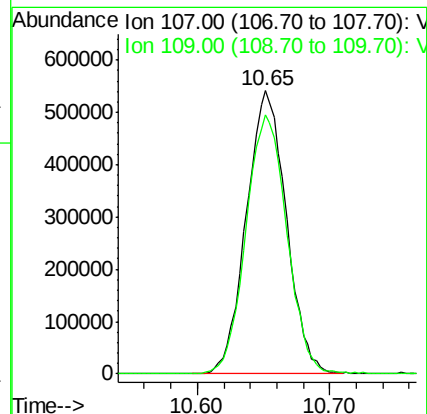
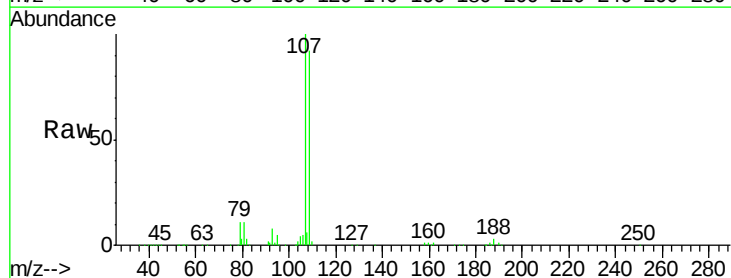
Acq: 2 Jan 2020 13:22

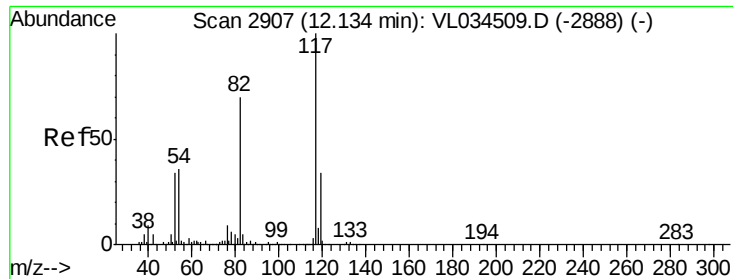
Tgt Ion: 107 Resp: 1132913

Ion Ratio Lower Upper

107 100

109 91.5 75.5 113.3

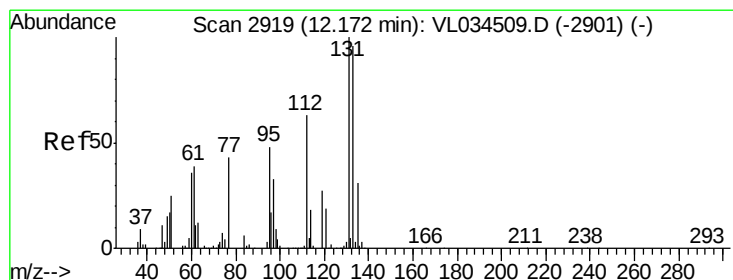
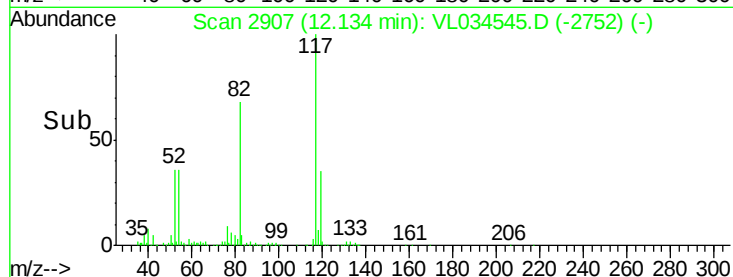
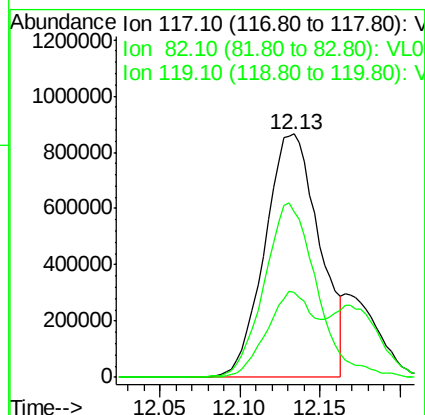
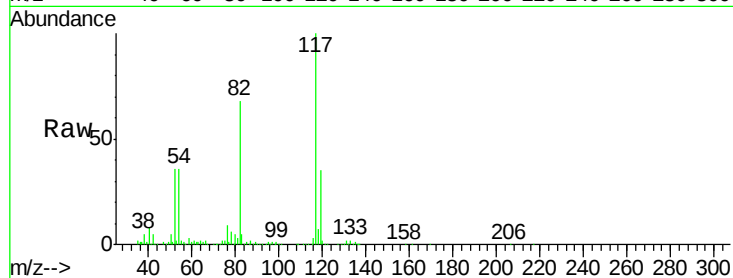




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

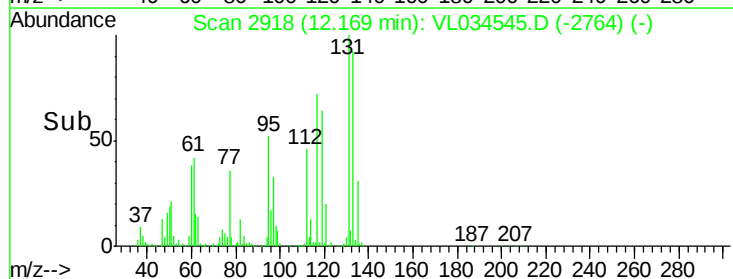
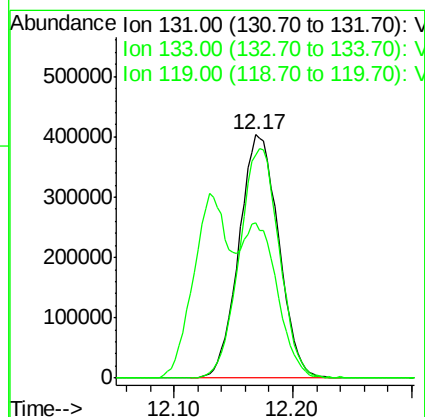
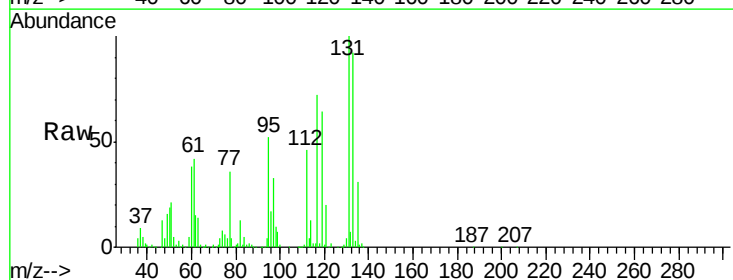
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

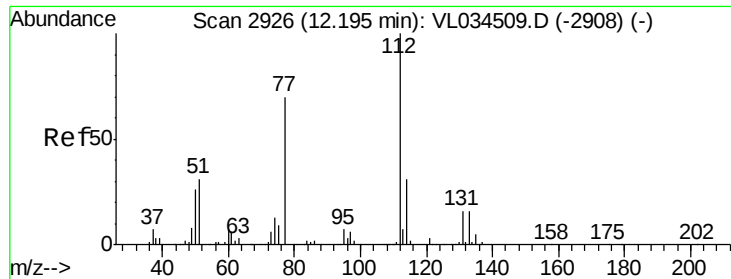
Tgt Ion:117 Resp: 2047256
Ion Ratio Lower Upper
117 100
82 69.6 56.2 84.4
119 32.0 27.1 40.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.398 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion:131 Resp: 928799
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.2
119 52.8 47.1 70.7





#57

Chlorobenzene

Concen: 8.964 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

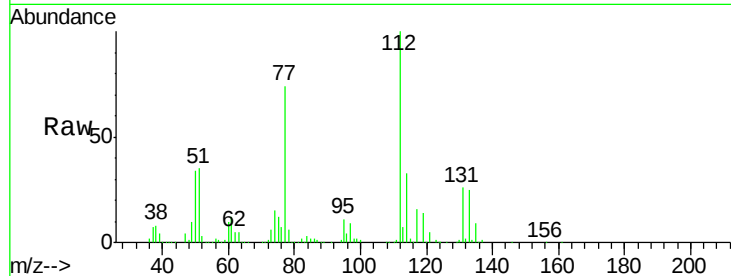
Tgt Ion: 112 Resp: 1514104

Ion Ratio Lower Upper

112 100

77 73.9 57.4 86.0

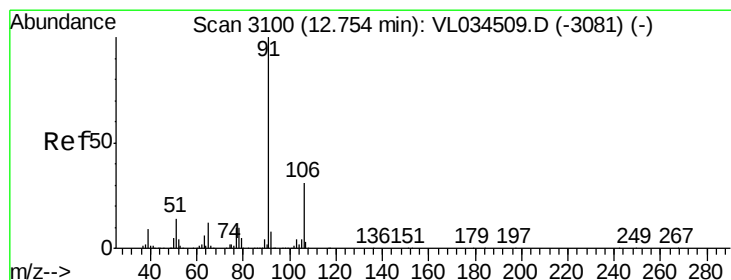
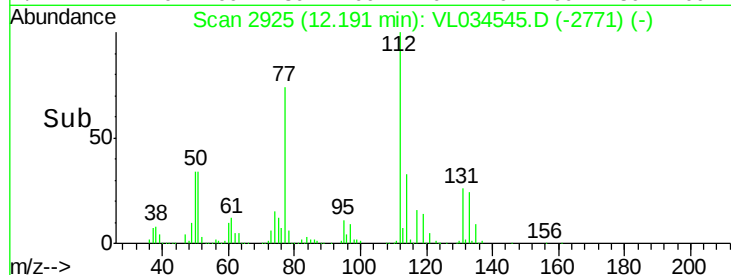
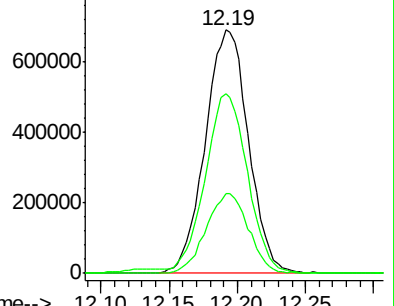
114 32.4 28.4 34.8



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: 9.704 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. -0.00 min

Lab File: VL034545.D

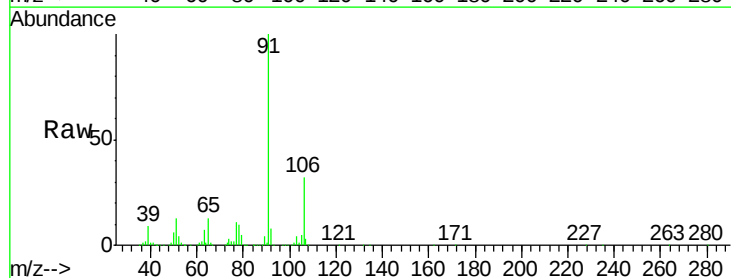
Acq: 2 Jan 2020 13:22

Tgt Ion: 91 Resp: 2679334

Ion Ratio Lower Upper

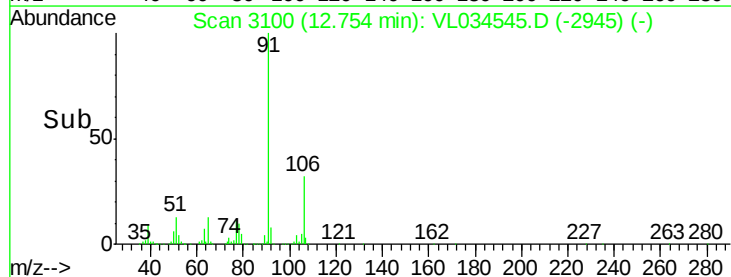
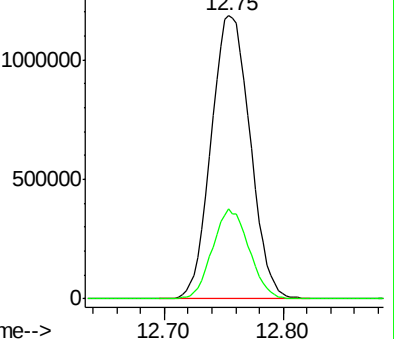
91 100

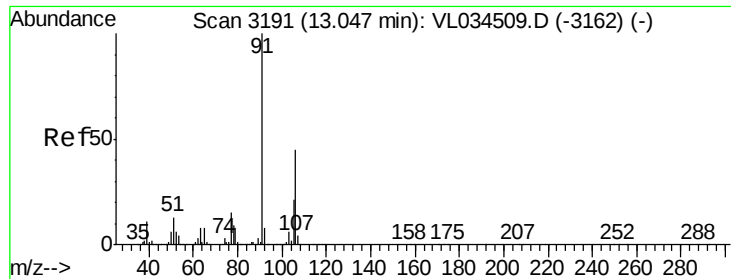
106 32.1 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

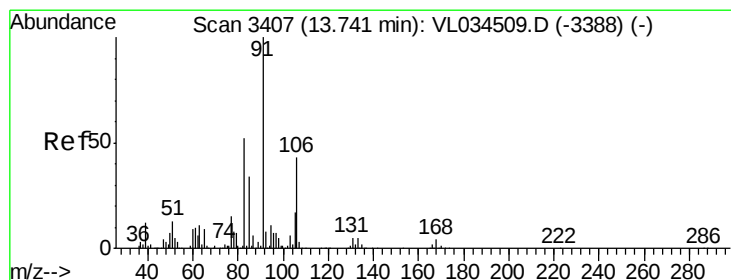
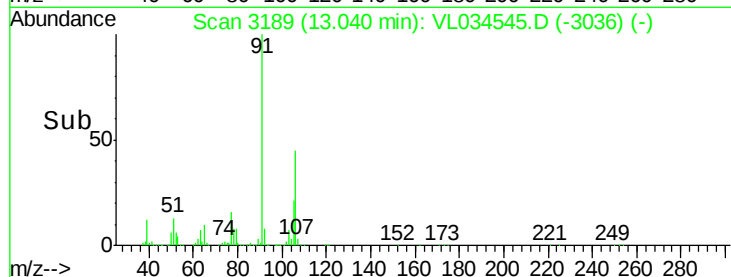
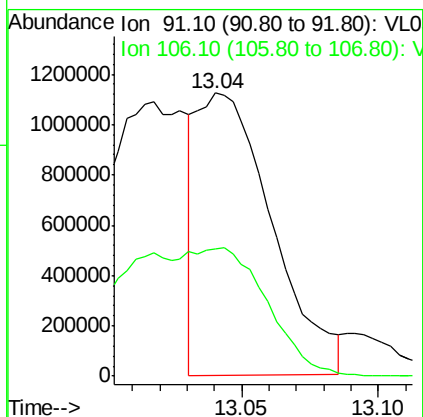
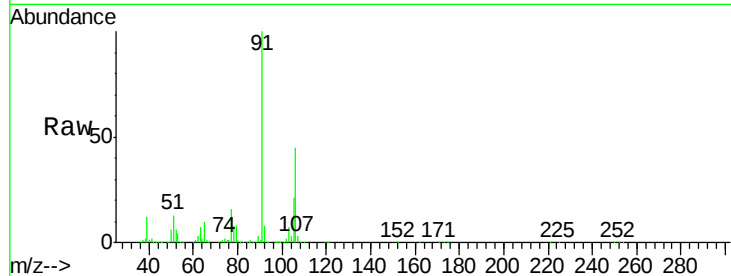




#59
m/p-Xylene
Concen: 8.853 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

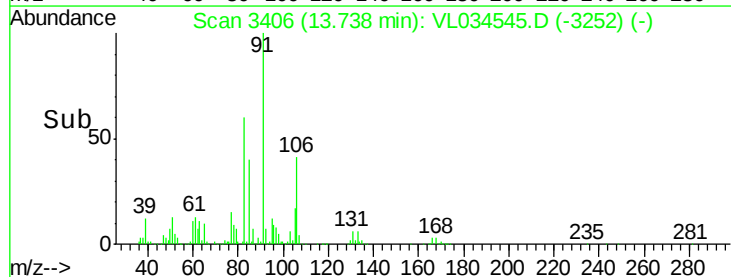
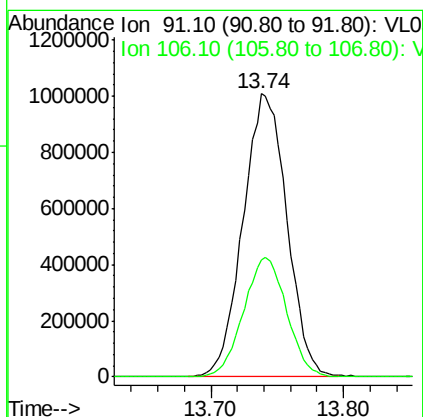
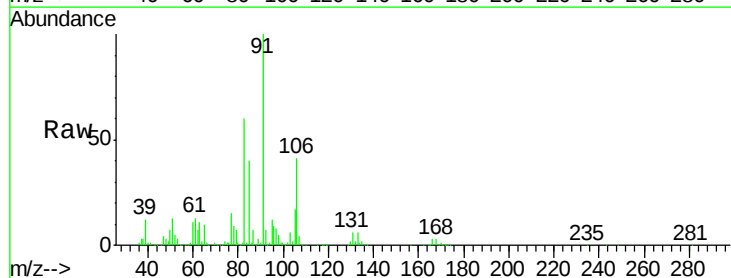
Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

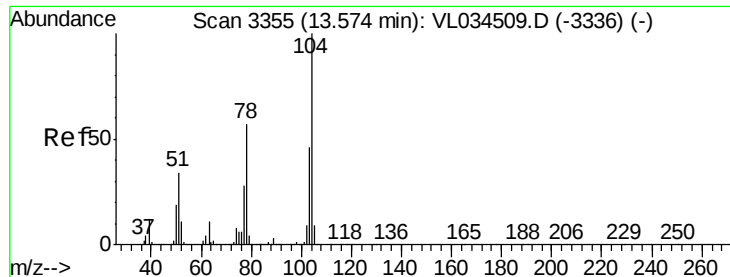
Tgt Ion: 91 Resp: 2137442
Ion Ratio Lower Upper
91 100
106 92.1 35.6 53.4#



#60
o-Xylene
Concen: 9.558 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 91 Resp: 2315660
Ion Ratio Lower Upper
91 100
106 41.7 21.4 64.3





#61

Styrene

Concen: 9.650 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

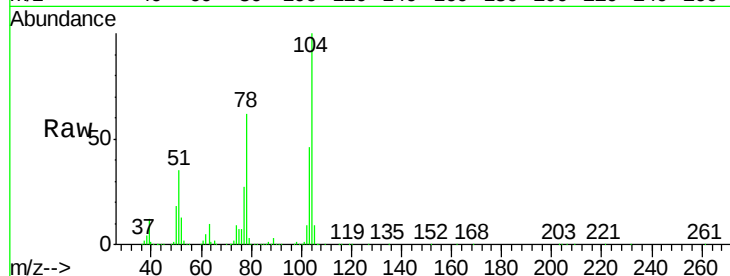
Tgt Ion:104 Resp: 1598451

Ion Ratio Lower Upper

104 100

78 60.6 47.7 71.5

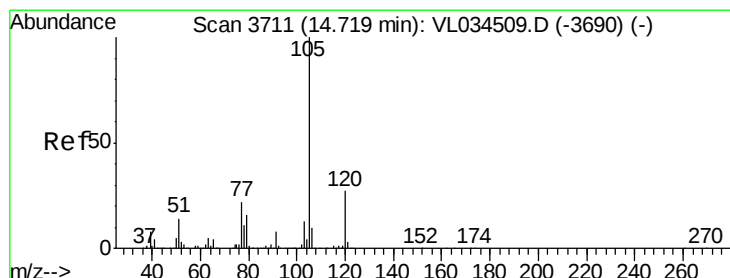
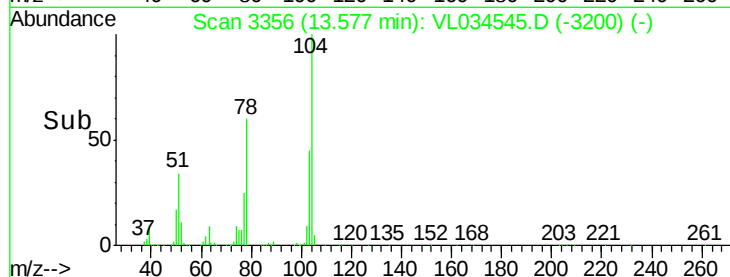
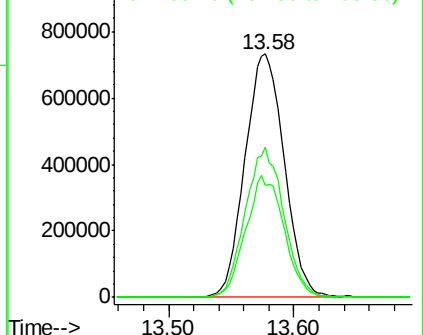
103 48.7 38.6 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.531 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. -0.00 min

Lab File: VL034545.D

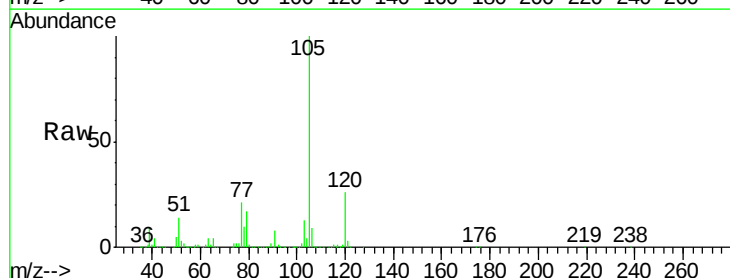
Acq: 2 Jan 2020 13:22

Tgt Ion:105 Resp: 3020428

Ion Ratio Lower Upper

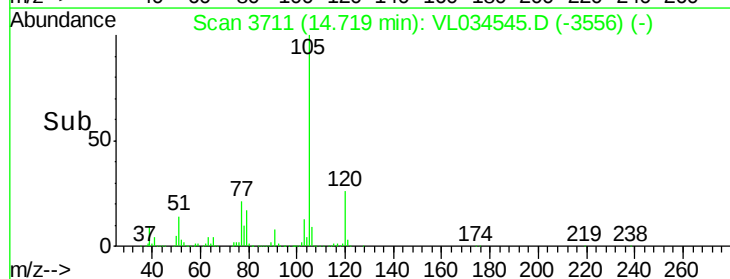
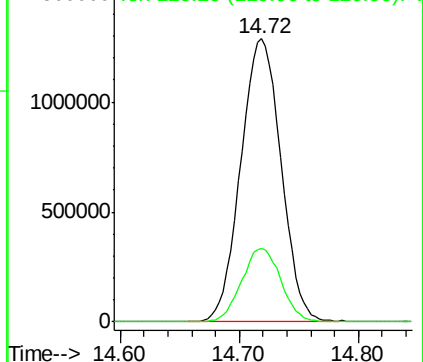
105 100

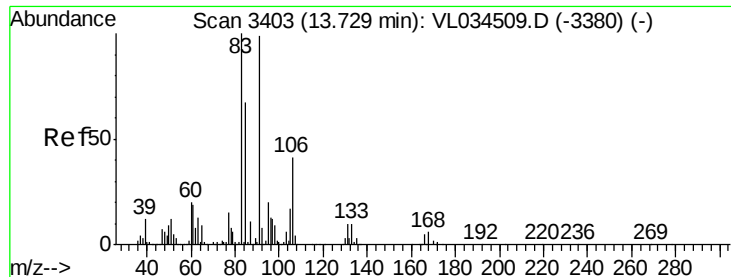
120 25.4 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

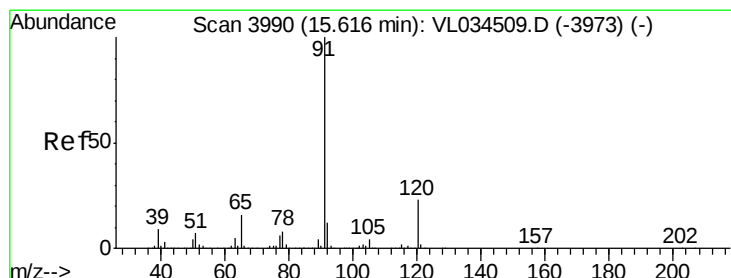
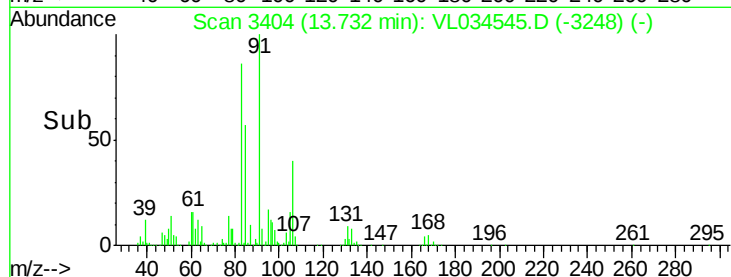
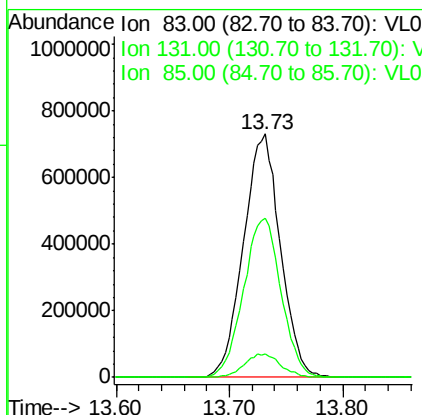
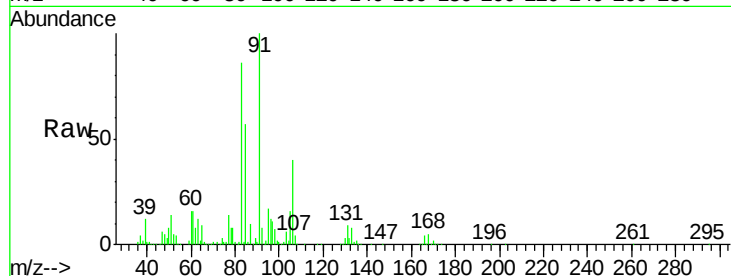




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.537 ppbv
 RT: 13.73 min Scan# 3404
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

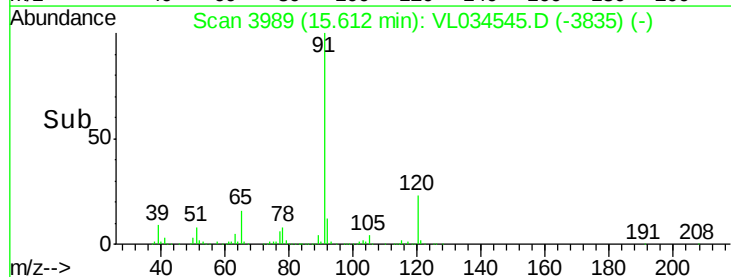
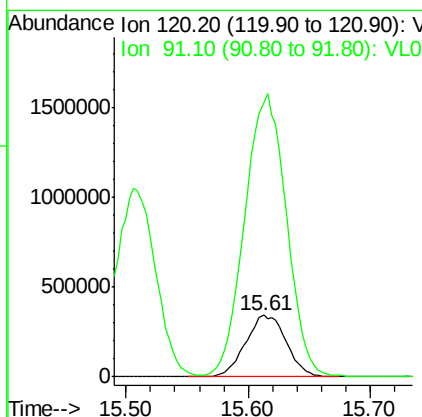
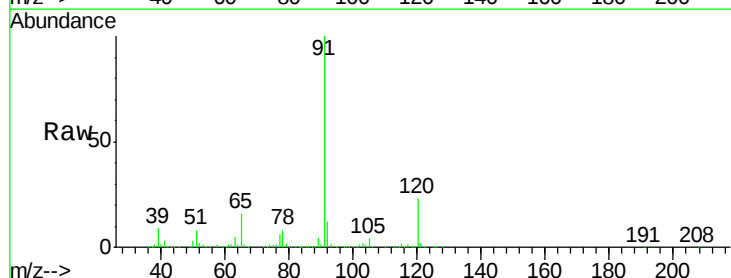
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

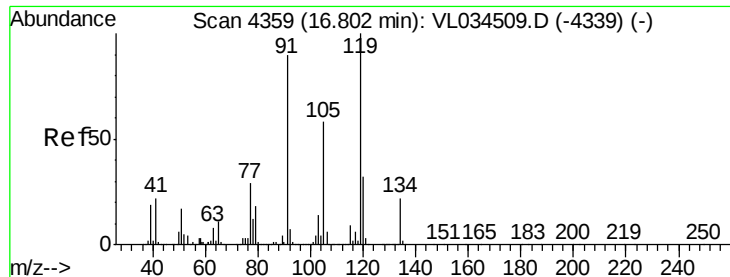
Tgt Ion: 83 Resp: 1659126
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 66.5 32.5 97.4



#64
 n-propylbenzene
 Concen: 9.809 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 120 Resp: 793723
 Ion Ratio Lower Upper
 120 100
 91 471.3 375.6 563.4

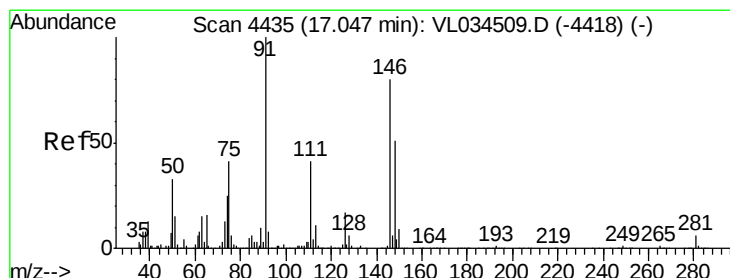
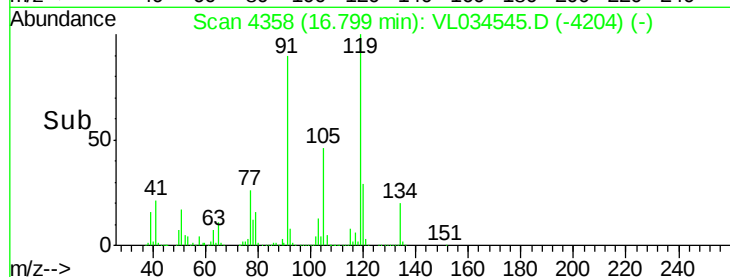
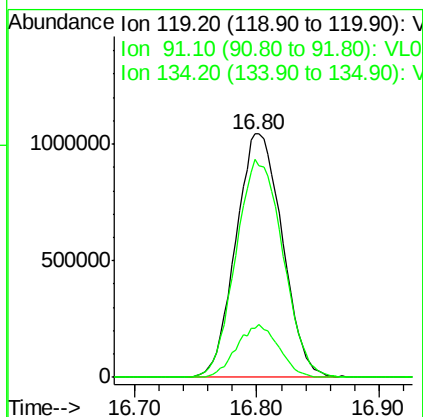
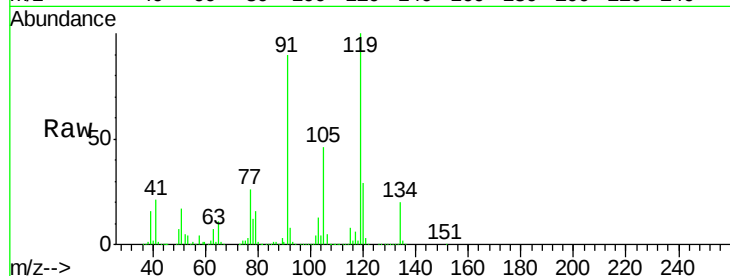




#65
 tert-Butylbenzene
 Concen: 9.608 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

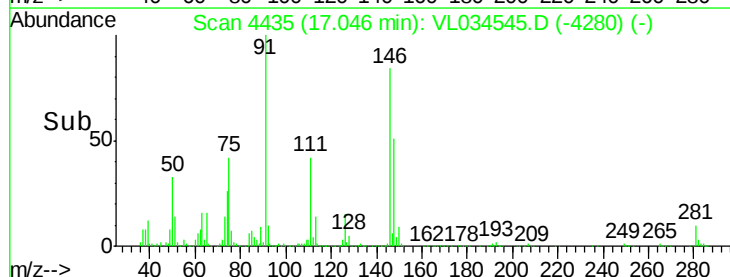
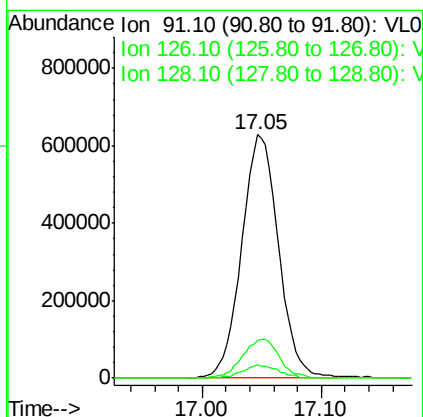
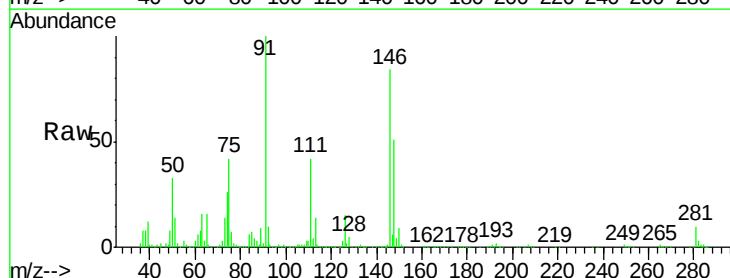
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

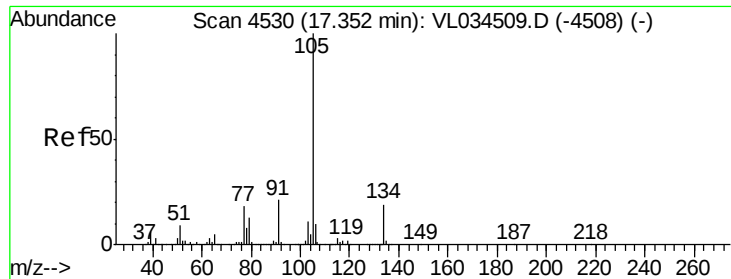
Tgt Ion: 119 Resp: 2750860
 Ion Ratio Lower Upper
 119 100
 91 91.1 72.0 108.0
 134 19.5 16.1 24.1



#66
 Benzyl Chloride
 Concen: 10.695 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion: 91 Resp: 1342069
 Ion Ratio Lower Upper
 91 100
 126 16.3 13.1 19.7
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.556 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

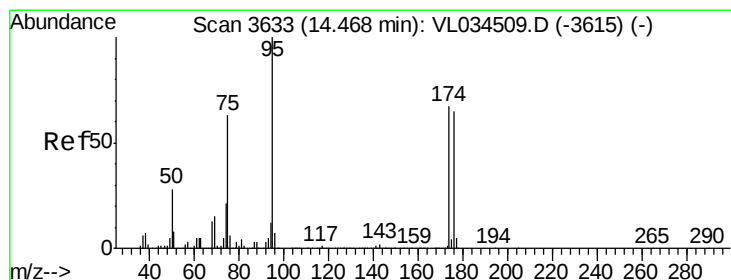
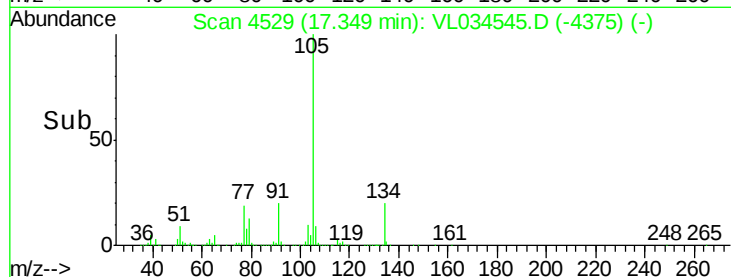
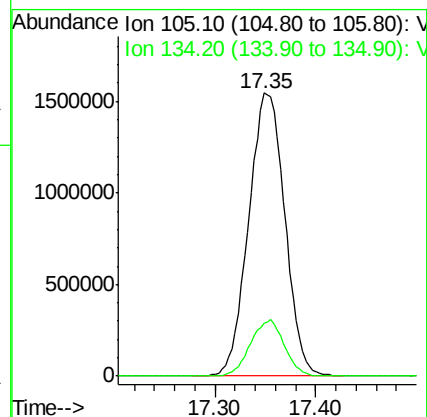
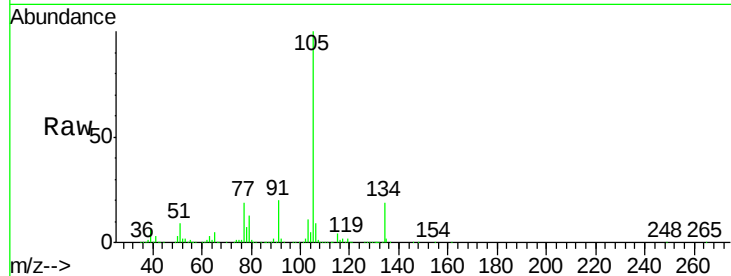
VL0102ABS01

Tgt Ion:105 Resp: 3842440

Ion Ratio Lower Upper

105 100

134 18.7 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.648 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

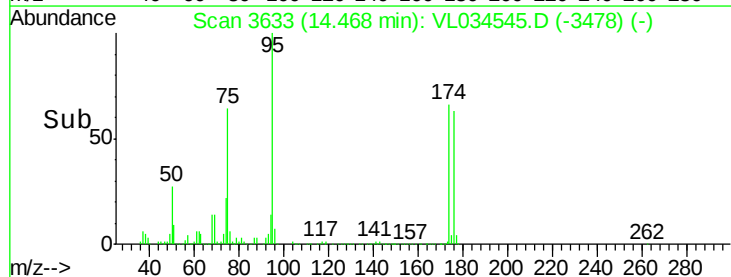
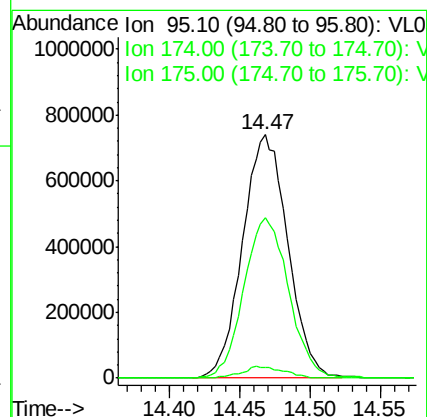
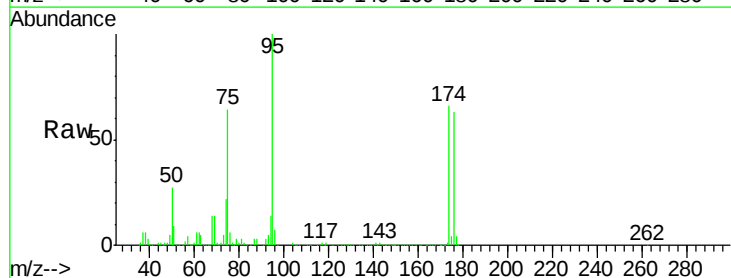
Tgt Ion: 95 Resp: 1648201

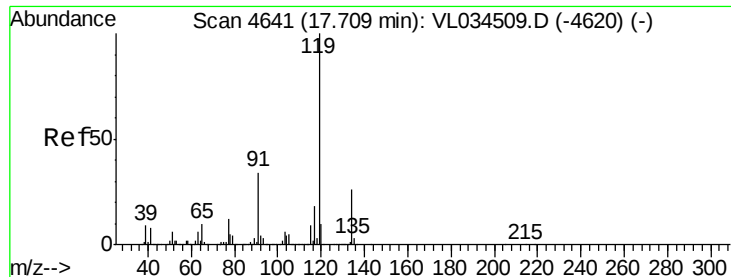
Ion Ratio Lower Upper

95 100

174 66.1 52.4 78.6

175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 9.779 ppbv

RT: 17.71 min Scan# 4641

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

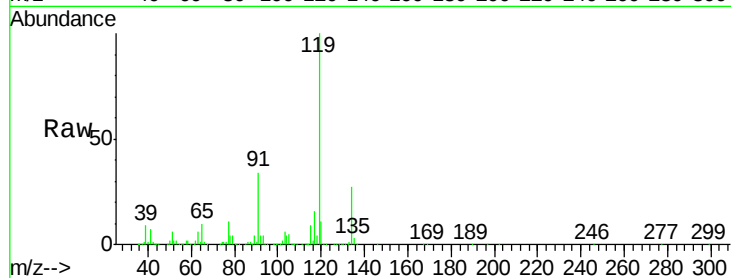
Tgt Ion:119 Resp: 3188936

Ion Ratio Lower Upper

119 100

134 25.9 20.7 31.1

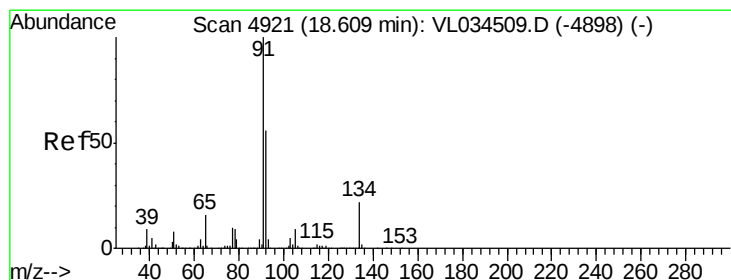
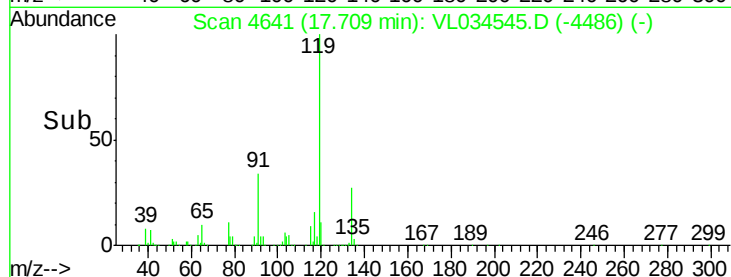
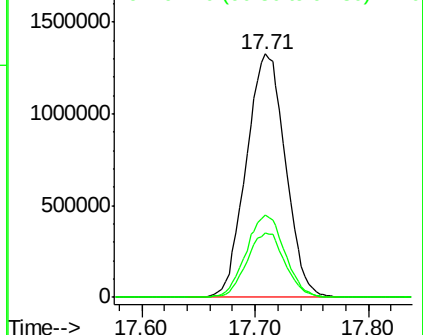
91 33.5 26.6 39.8



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: 9.684 ppbv

RT: 18.61 min Scan# 4921

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

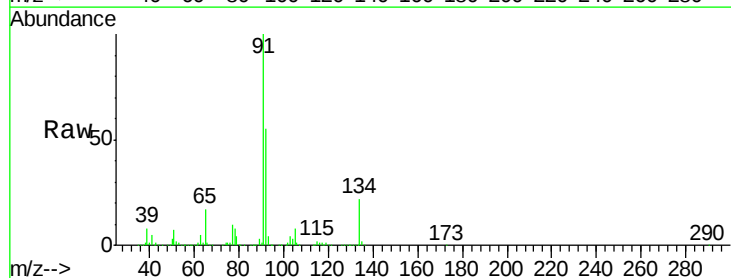
Tgt Ion: 91 Resp: 3407609

Ion Ratio Lower Upper

91 100

92 53.9 43.8 65.6

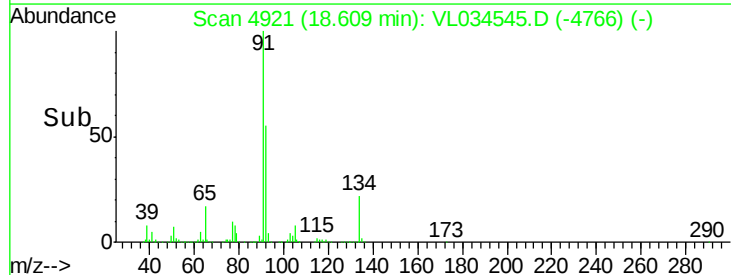
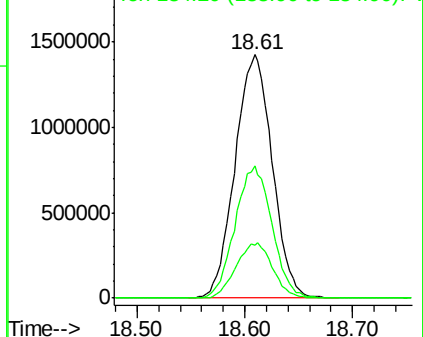
134 22.3 18.0 27.0

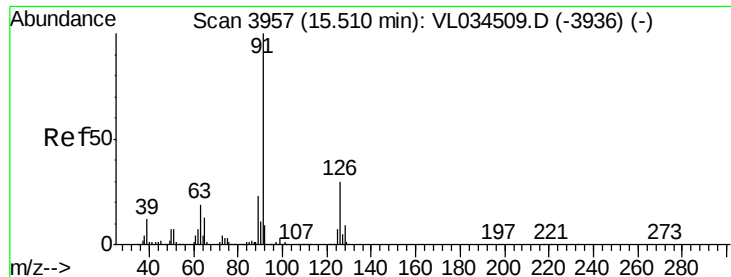


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.705 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

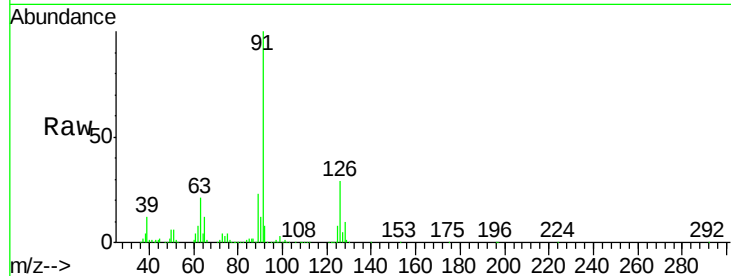
VL0102ABS01

Tgt Ion: 91 Resp: 2388481

Ion Ratio Lower Upper

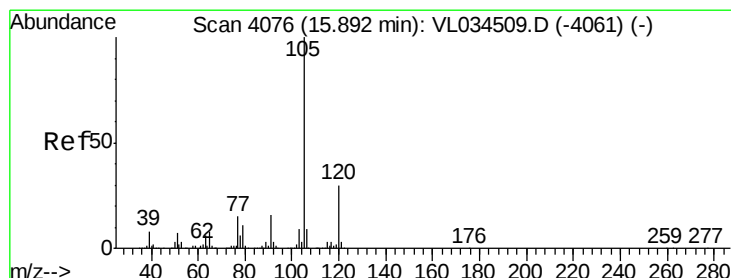
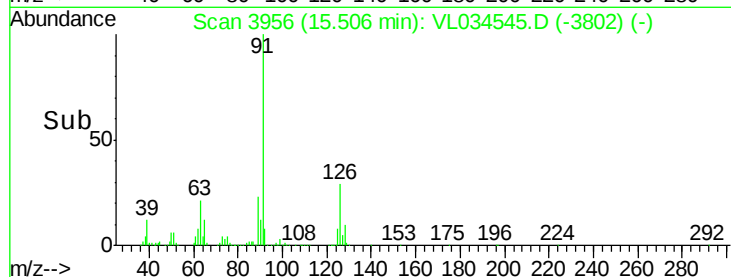
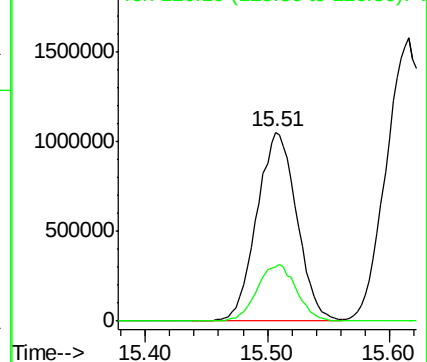
91 100

126 29.6 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.704 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion:105 Resp: 2630725

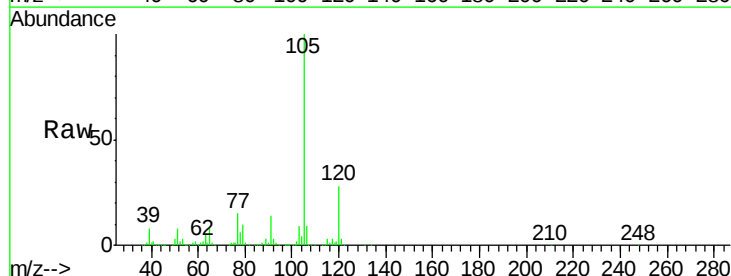
Ion Ratio Lower Upper

105 100

120 28.6 23.7 35.5

91 14.5 11.5 17.3

77 16.0 12.7 19.1

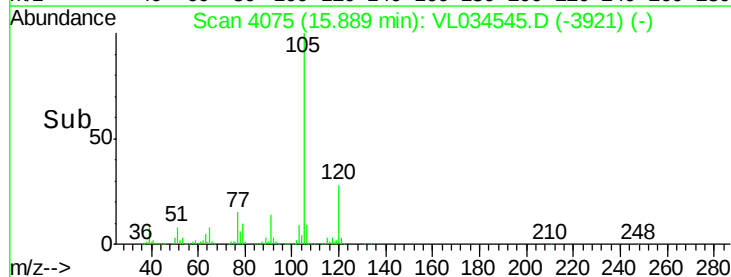
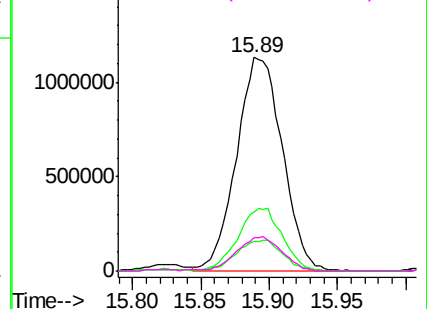


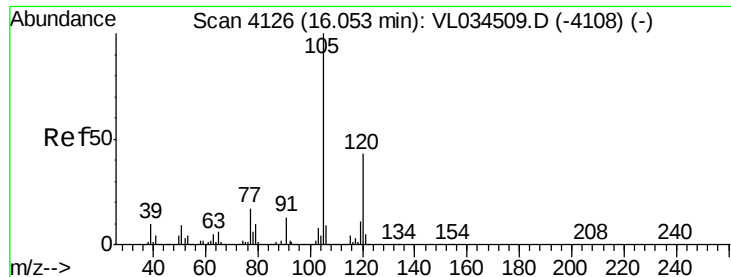
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.653 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

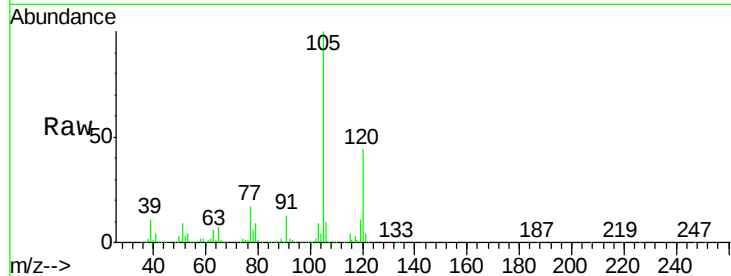
VL0102ABS01

Tgt Ion:105 Resp: 2567484

Ion Ratio Lower Upper

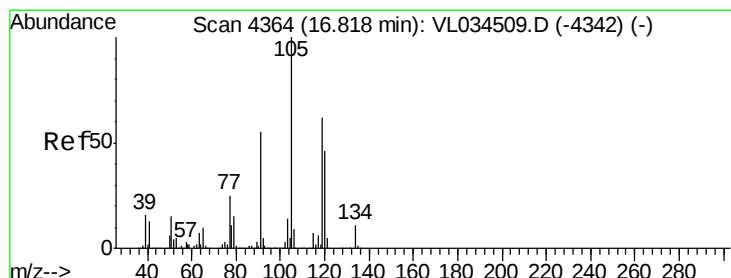
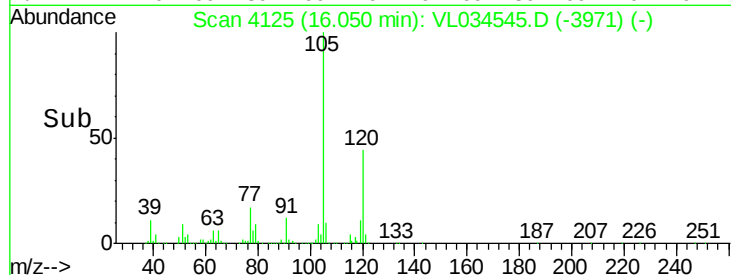
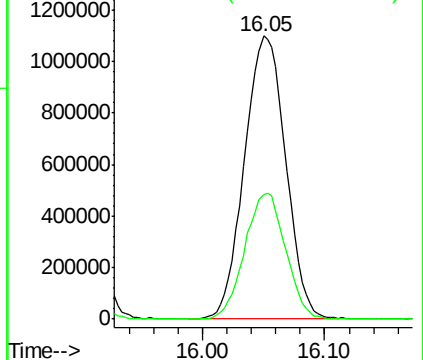
105 100

120 44.2 34.6 52.0



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: 9.376 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion:105 Resp: 2667604

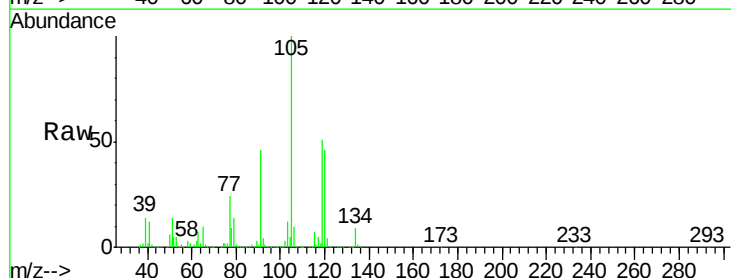
Ion Ratio Lower Upper

105 100

120 46.0 36.7 55.1

91 46.2 44.0 66.0

77 24.1 19.9 29.9

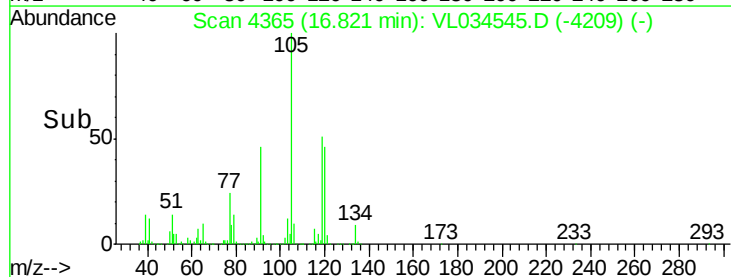
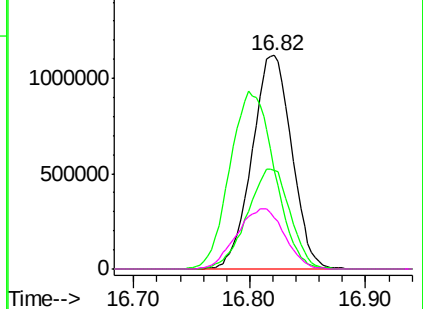


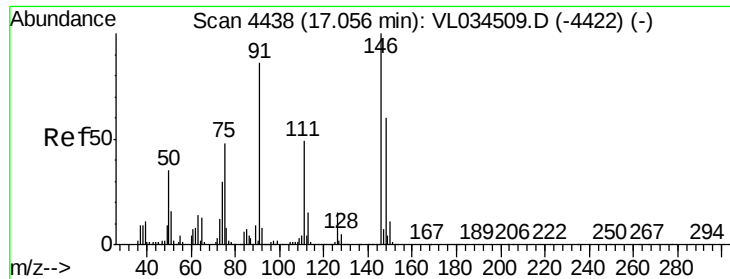
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.869 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

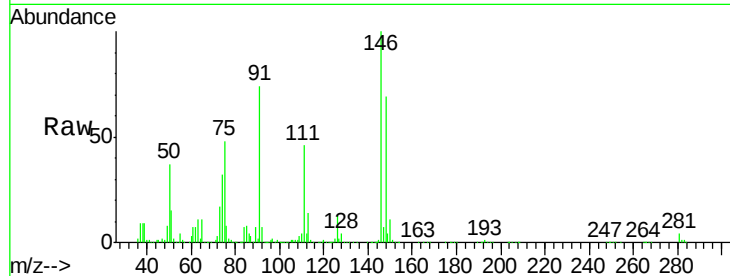
Tgt Ion:146 Resp: 1511415

Ion Ratio Lower Upper

146 100

111 48.9 25.1 75.3

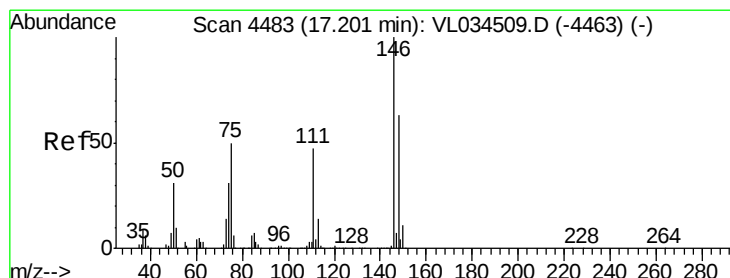
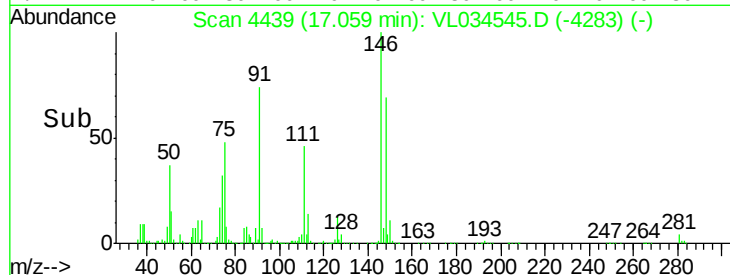
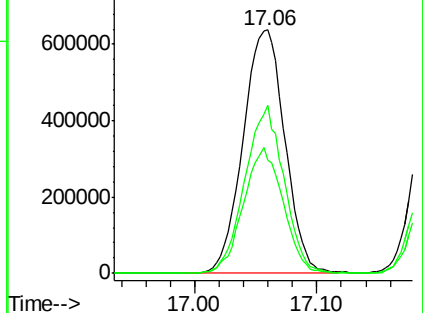
148 64.3 33.0 99.0



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



#76

1,4-Dichlorobenzene

Concen: 8.979 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

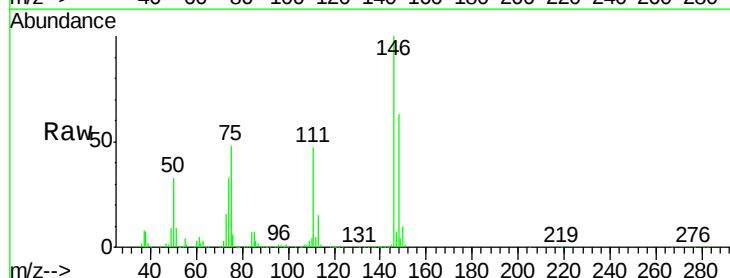
Tgt Ion:146 Resp: 1473219

Ion Ratio Lower Upper

146 100

111 49.1 23.5 70.6

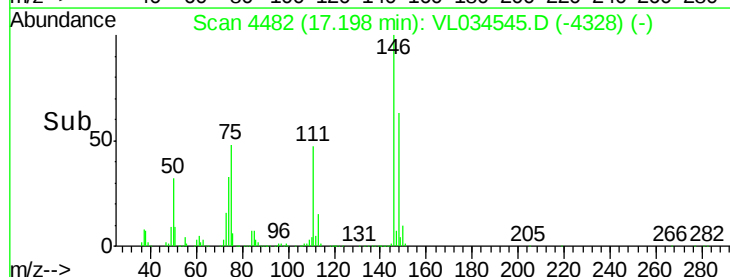
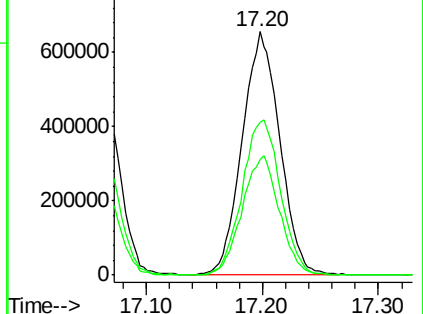
148 65.4 32.1 96.3

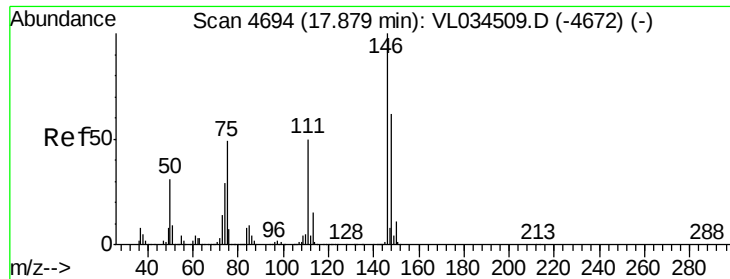


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

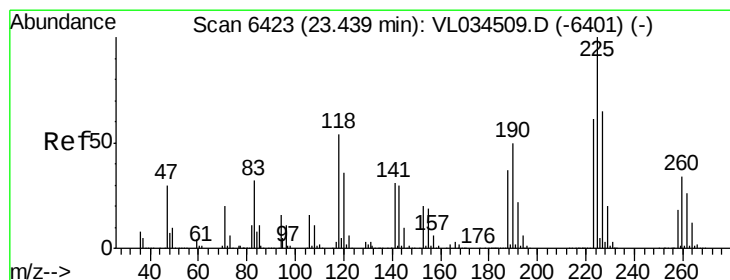
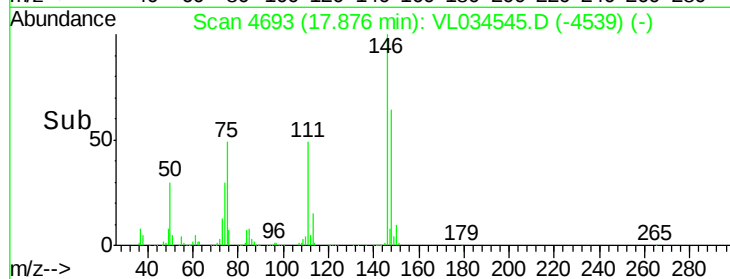
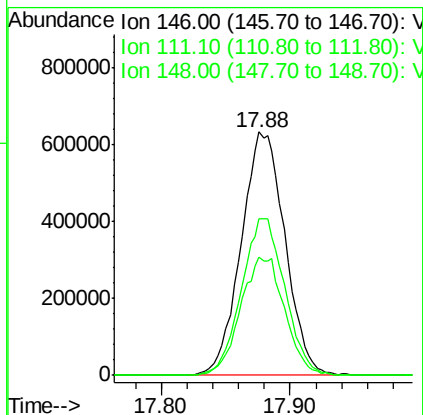
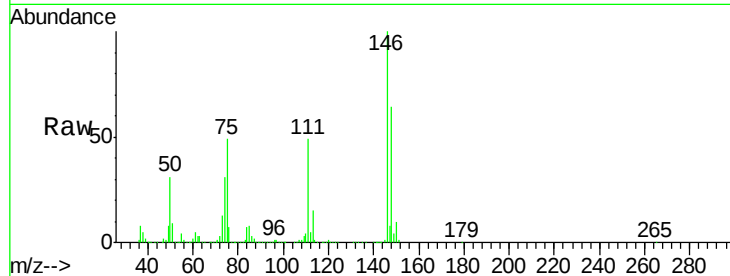




#77
 1,2-Dichlorobenzene
 Concen: 9.343 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

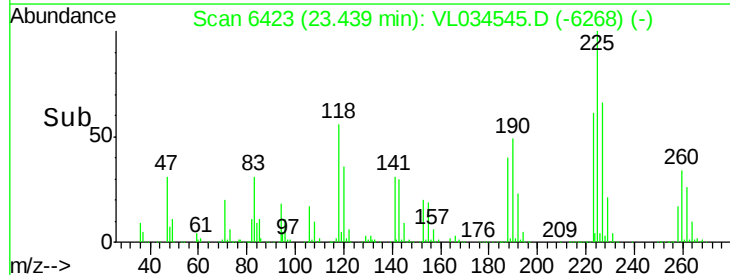
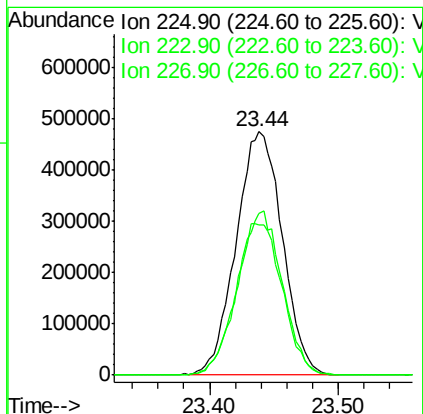
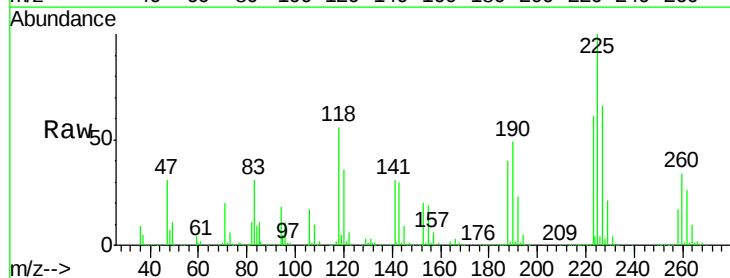
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

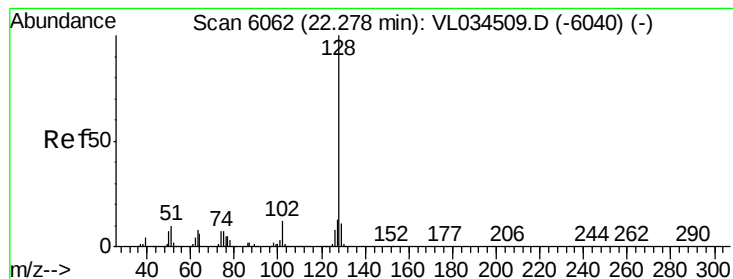
Tgt Ion:146 Resp: 1496267
 Ion Ratio Lower Upper
 146 100
 111 49.2 25.3 75.8
 148 63.9 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.801 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion:225 Resp: 1185948
 Ion Ratio Lower Upper
 225 100
 223 62.9 51.0 76.6
 227 65.1 51.8 77.6





#79

Naphthalene

Concen: 10.041 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

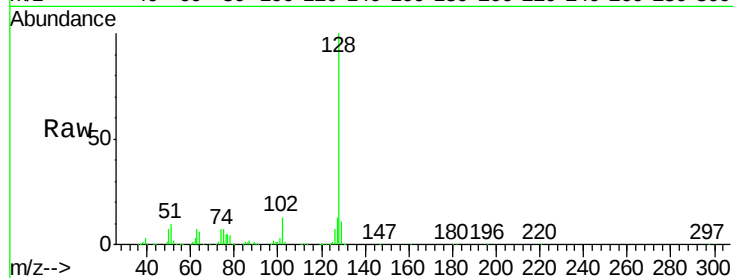
Tgt Ion:128 Resp: 2151866

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

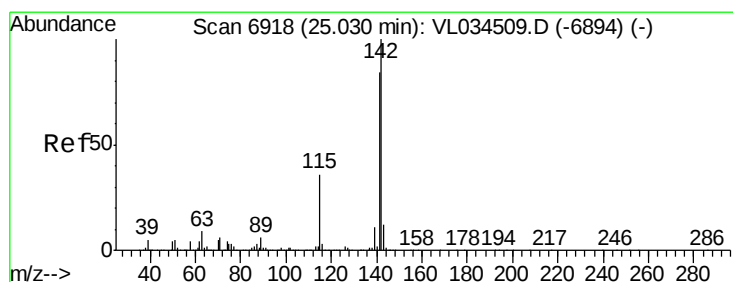
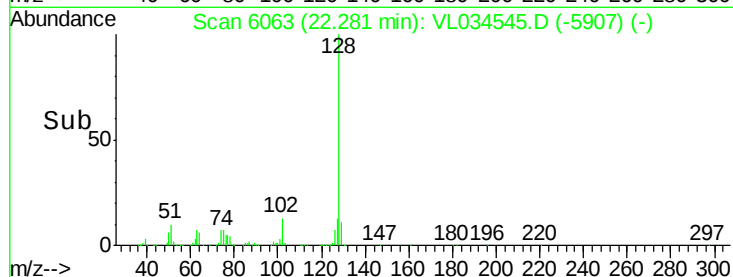
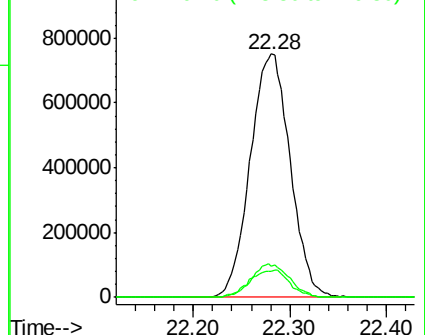
129 10.7 8.7 13.1



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: 8.461 ppbv

RT: 25.03 min Scan# 6918

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

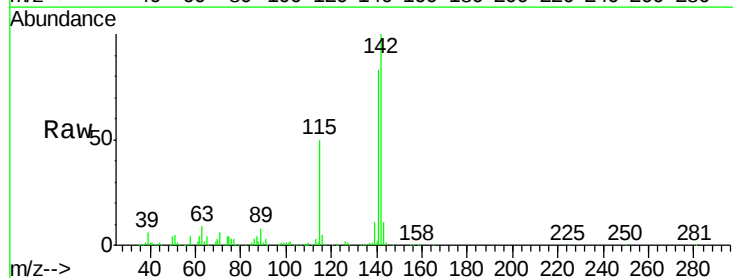
Tgt Ion:142 Resp: 502318

Ion Ratio Lower Upper

142 100

141 83.8 65.8 98.8

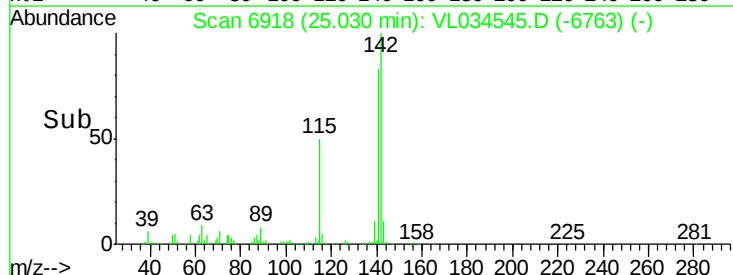
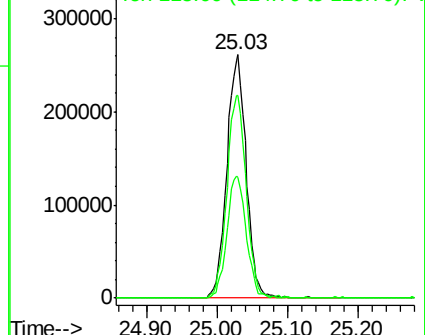
115 50.3 30.4 45.6#

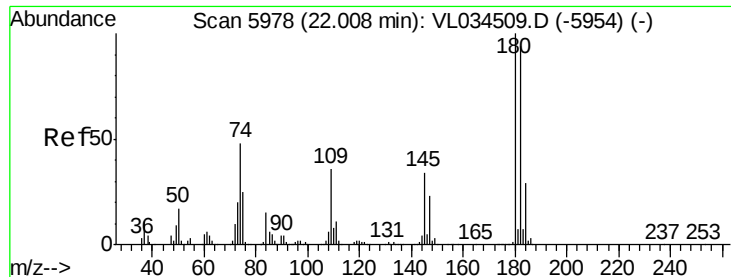


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.883 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tgt Ion:180 Resp: 1239593
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.8 116.8
 184 30.5 25.2 37.8

