

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035684.D
 Acq On : 21 Sep 2020 13:19
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Quant Time: Sep 22 01:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	993284	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3966598	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	5009253	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2899250	8.15	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1273417	7.398	ppbv 100
3) Chlorodifluoromethane	2.96	51	1103488	10.045	ppbv 100
4) Chloromethane	3.11	50	590397	10.031	ppbv 97
5) Vinyl Chloride	3.22	62	699180	9.636	ppbv 99
6) Bromomethane	3.44	94	617606	10.133	ppbv 98
7) Chloroethane	3.53	64	267003	10.408	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	1943762	9.324	ppbv 92
9) Propene	2.98	41	419027	9.894	ppbv 99
10) Heptane	8.09	43	1232760	10.837	ppbv 99
11) Trichlorofluoromethane	3.92	101	2440078	9.720	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1825626	9.636	ppbv 93
13) Ethanol	3.57	45	93819	8.935	ppbv 97
14) Bromoethene	3.71	108	810673	9.940	ppbv 99
15) Acetone	3.82	43	973161	8.883	ppbv 98
16) 1,3-Butadiene	3.29	39	439196	10.770	ppbv 99
17) tert-Butyl alcohol	4.26	59	1316462	9.872	ppbv 100
18) 1,1-Dichloroethene	4.26	96	850117	10.189	ppbv 96
19) Isopropyl Alcohol	3.93	45	623516	9.541	ppbv # 98
20) Methylene Chloride	4.31	84	724368	8.878	ppbv 97
21) Allyl Chloride	4.38	41	589217	11.480	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	888608	10.004	ppbv 94
23) Vinyl Acetate	5.04	43	1512036	10.754	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1479967	10.228	ppbv 98
25) Ethyl Acetate	5.65	43	2038620	10.533	ppbv 99
26) Hexane	5.65	57	1140449	10.400	ppbv 98
27) Carbon Disulfide	4.52	76	1869178	11.878	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1967210	10.293	ppbv 99
29) Chloroform	5.72	83	2287729	10.239	ppbv 99
30) Cyclohexane	7.10	84	1235157	10.514	ppbv 96
31) cis-1,2-Dichloroethene	5.52	61	1193971	10.613	ppbv 95
32) 1,1,1-Trichloroethane	6.48	97	2240099	10.335	ppbv 98
34) 2-Butanone	5.21	43	1376552	11.694	ppbv 97
35) Carbon Tetrachloride	6.99	117	2333920	11.707	ppbv 97
36) Benzene	6.86	78	2839977	11.061	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1410626	11.523	ppbv 98
38) Trichloroethene	7.81	130	1460459	9.792	ppbv 95
39) 1,2-Dichloropropane	7.58	63	964545	11.120	ppbv 97
40) 1,4-Dioxane	7.80	88	465946	10.754	ppbv 69
41) Tetrahydrofuran	6.02	42	772921	12.382	ppbv 98
42) Bromodichloromethane	7.76	83	2394595	12.096	ppbv 99
43) Methyl Methacrylate	7.98	69	1213215	12.220	ppbv 96

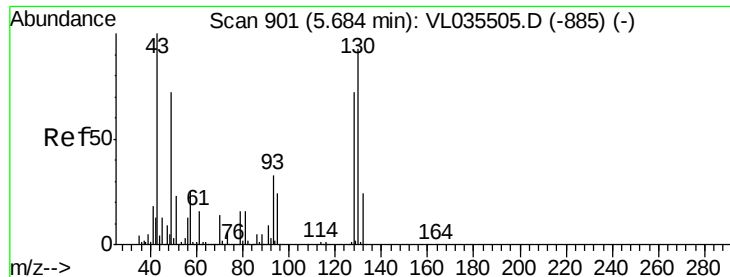
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035684.D
 Acq On : 21 Sep 2020 13:19
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 22 01:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3831360	11.341	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1390779	13.828	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1625023	13.013	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1407869	11.000	ppbv	97
48) Dibromochloromethane	10.28	129	2389460	11.862	ppbv	100
49) Bromoform	13.01	173	2148206	11.768	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2057180	12.069	ppbv	98
51) 2-Hexanone	10.10	43	1731312	12.382	ppbv #	98
52) Tetrachloroethene	11.19	164	1373951	9.160	ppbv	97
53) Toluene	9.78	91	3611600	11.185	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2231761	11.036	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1861660	9.134	ppbv	96
57) Chlorobenzene	12.12	112	3076315	8.344	ppbv	97
58) Ethyl Benzene	12.69	91	4737805	9.172	ppbv	98
59) m/p-Xylene	12.97	91	4078480	9.449	ppbv #	37
60) o-Xylene	13.67	91	3968579	9.129	ppbv	97
61) Styrene	13.50	104	3137581	9.437	ppbv	98
62) Isopropylbenzene	14.65	105	6017349	8.617	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2886933	8.566	ppbv	99
64) n-propylbenzene	15.54	120	1860525	8.730	ppbv	88
65) tert-Butylbenzene	16.73	119	5593786	8.617	ppbv	96
66) Benzyl Chloride	16.97	91	2231095	13.829	ppbv	97
67) sec-Butylbenzene	17.28	105	7536619	8.714	ppbv	96
69) p-Isopropyltoluene	17.64	119	6440006	8.489	ppbv	97
70) n-Butylbenzene	18.54	91	6460570	8.841	ppbv	97
71) 2-Chlorotoluene	15.43	91	4631414	9.107	ppbv	95
72) 4-Ethyltoluene	15.82	105	4975818	9.003	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4634336	9.066	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4837791	8.618	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3247650	7.810	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3287656	8.017	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	3189614	7.917	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1913251	7.439	ppbv	100
79) Naphthalene	22.18	128	5420300	8.702	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1972288	9.277	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2800593	7.508	ppbv	100

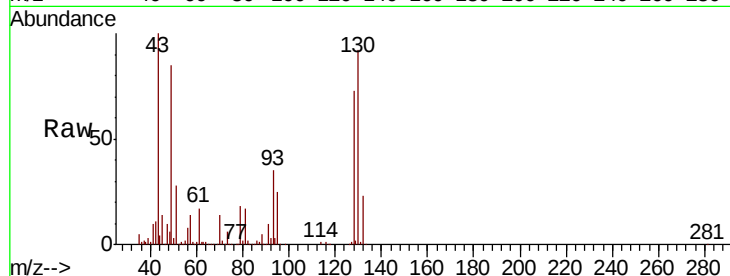
(#) = qualifier out of range (m) = manual integration (+) = signals summed



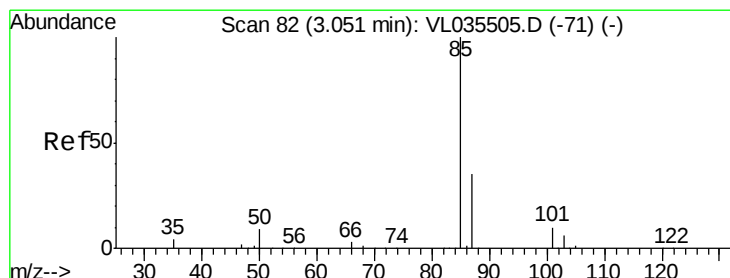
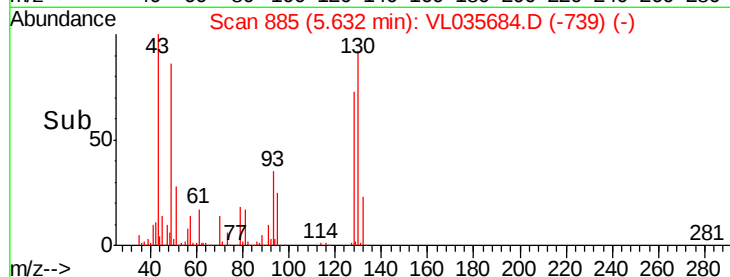
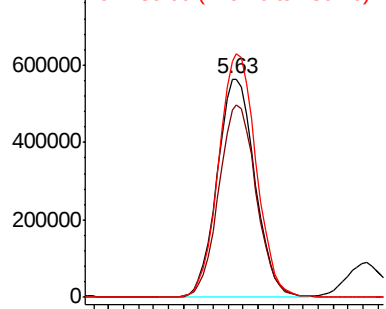
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.63 min Scan# 885
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion: 49 Resp: 993284
Ion Ratio Lower Upper
49 100
128 87.7 50.0 150.1
130 111.6 64.4 193.2

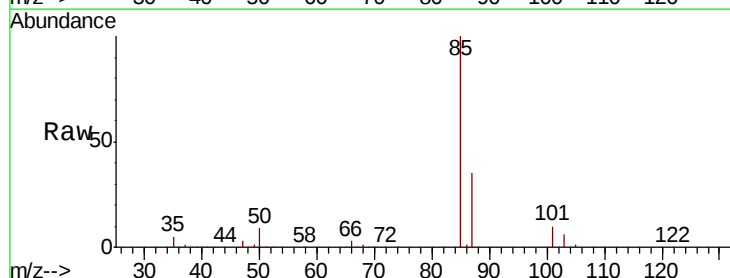


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V

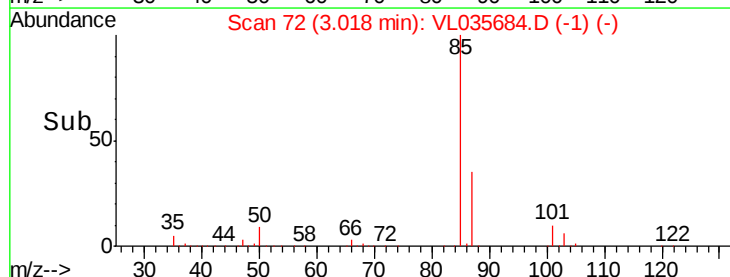
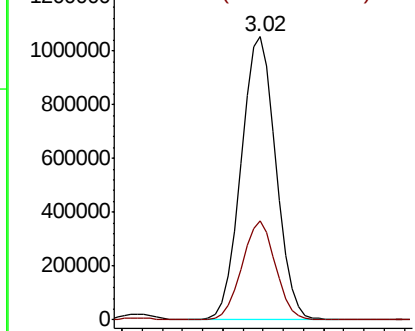


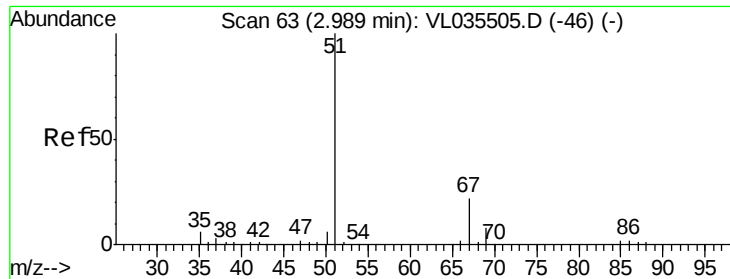
#2
Dichlorodifluoromethane
Concen: 7.398 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.02 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 85 Resp: 1273417
Ion Ratio Lower Upper
85 100
87 35.2 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.045 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

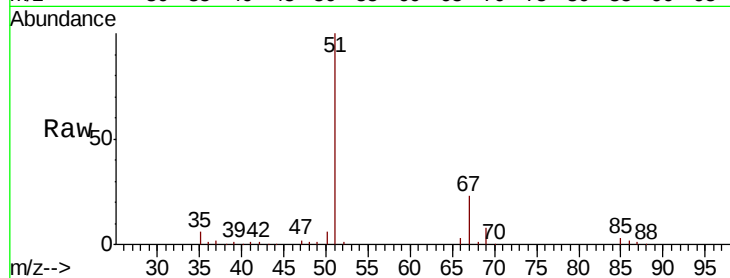
VL0921ABS01

Tot Ion: 51 Resp: 1103488

Ion Ratio Lower Upper

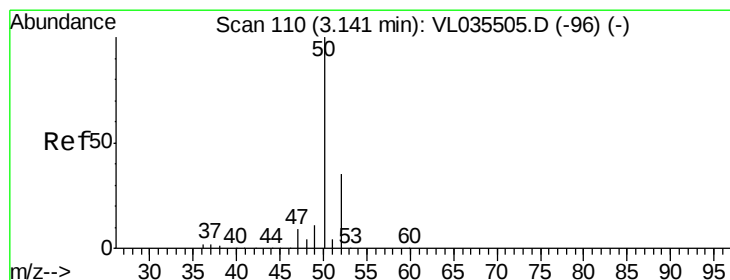
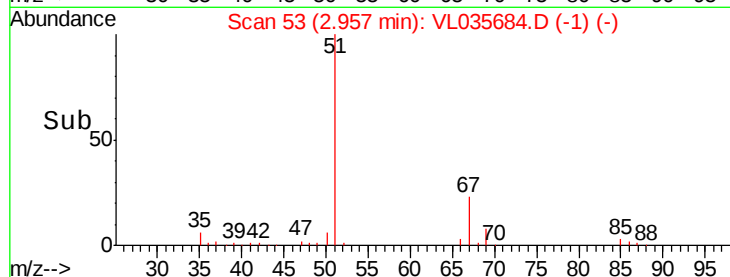
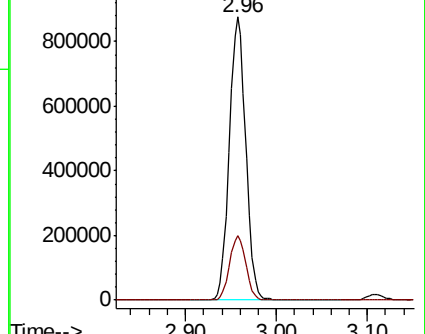
51 100

67 22.5 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.031 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.02 min

Lab File: VL035684.D

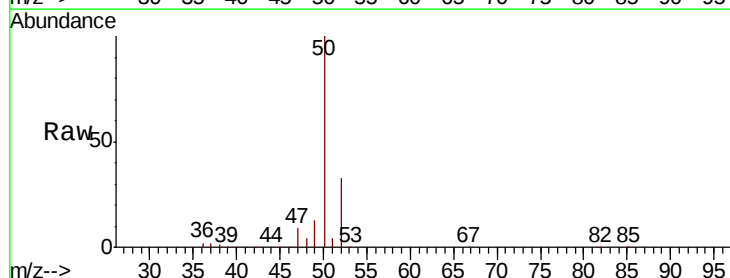
Acq: 21 Sep 2020 13:19

Tgt Ion: 50 Resp: 590397

Ion Ratio Lower Upper

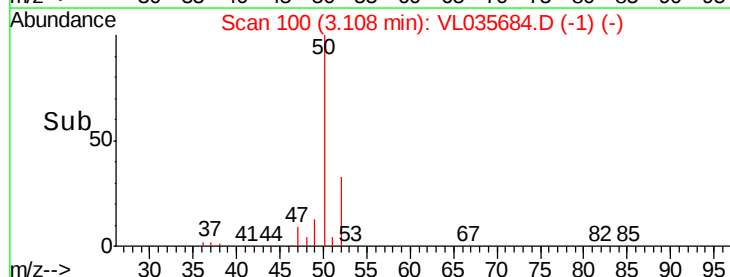
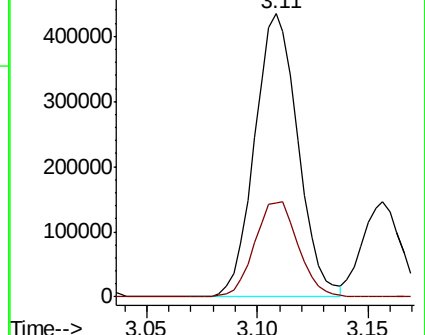
50 100

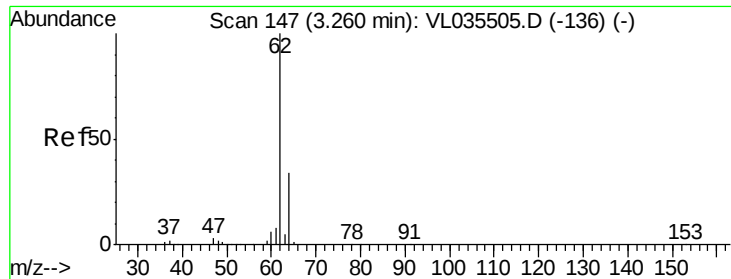
52 33.0 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.636 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

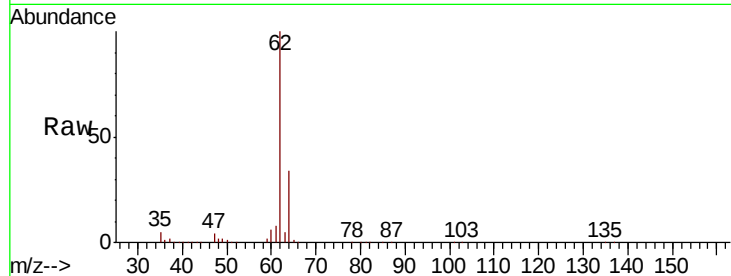
VL0921ABS01

Tot Ion: 62 Resp: 699180

Ion Ratio Lower Upper

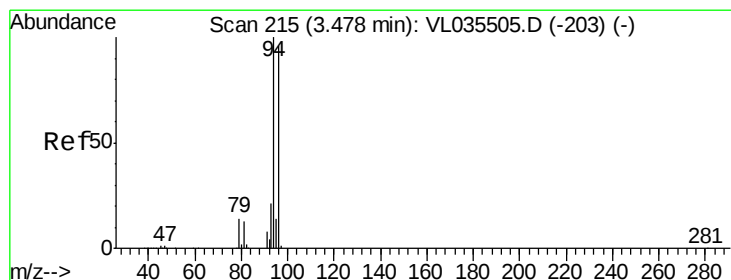
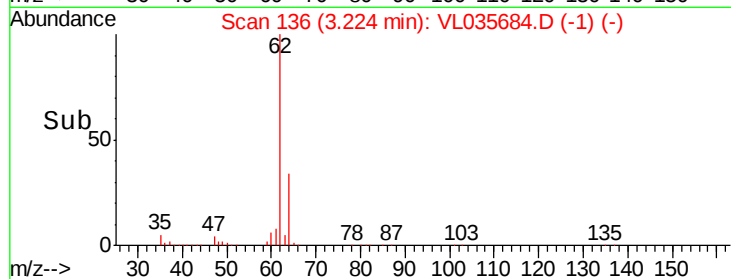
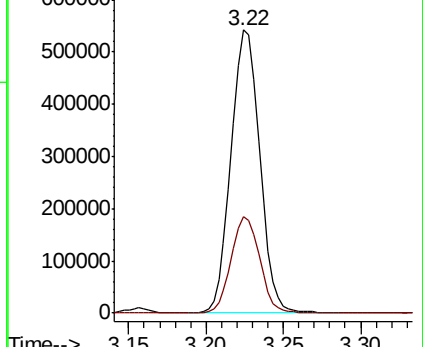
62 100

64 34.0 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.133 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL035684.D

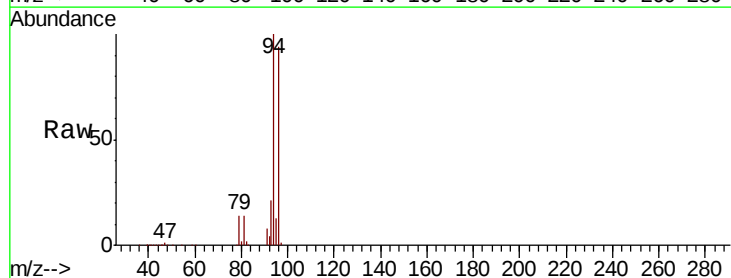
Acq: 21 Sep 2020 13:19

Tgt Ion: 94 Resp: 617606

Ion Ratio Lower Upper

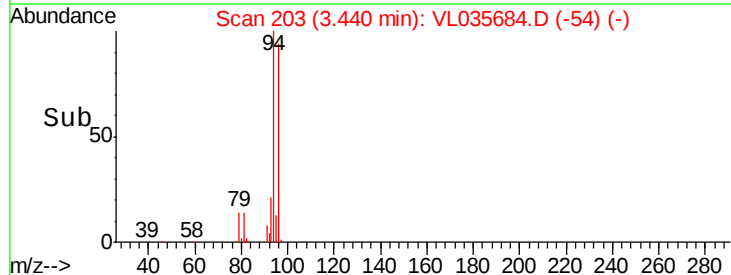
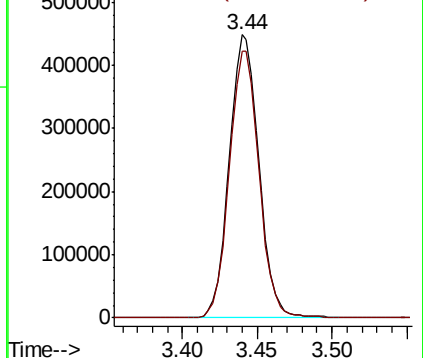
94 100

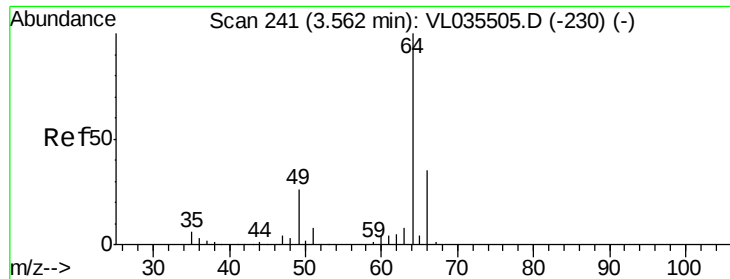
96 94.3 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.408 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

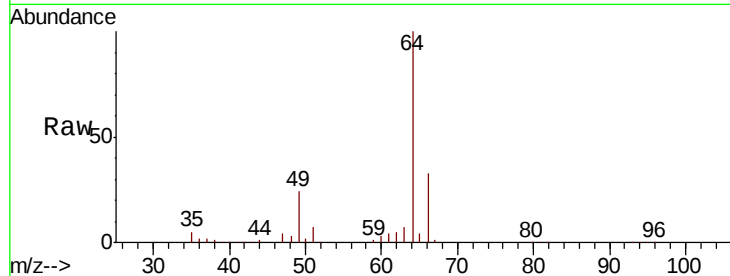
VL0921ABS01

Tot Ion: 64 Resp: 267003

Ion Ratio Lower Upper

64 100

66 32.8 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

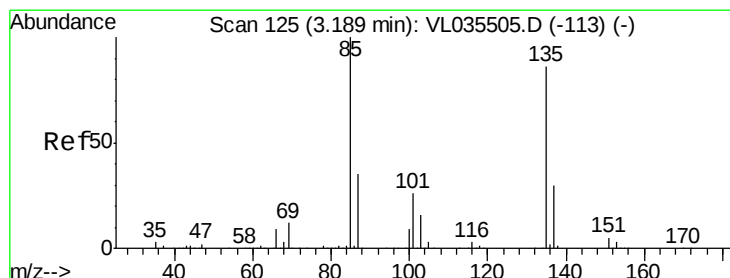
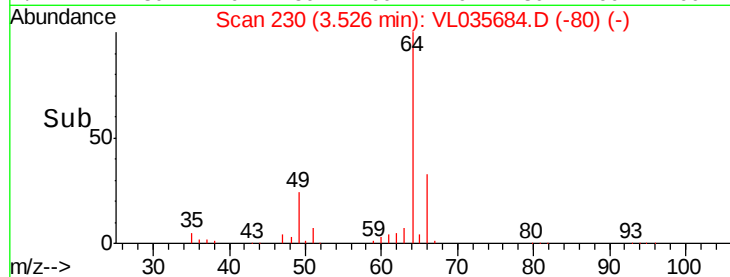
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.324 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL035684.D

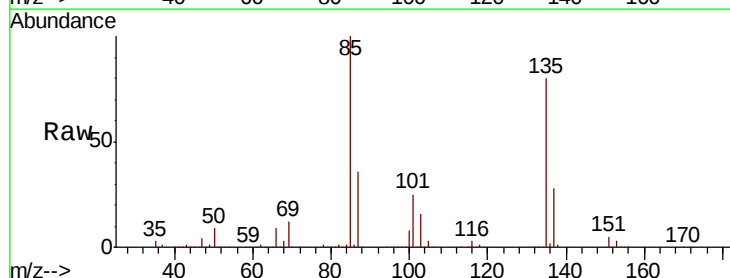
Acq: 21 Sep 2020 13:19

Tgt Ion: 85 Resp: 1943762

Ion Ratio Lower Upper

85 100

135 80.4 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

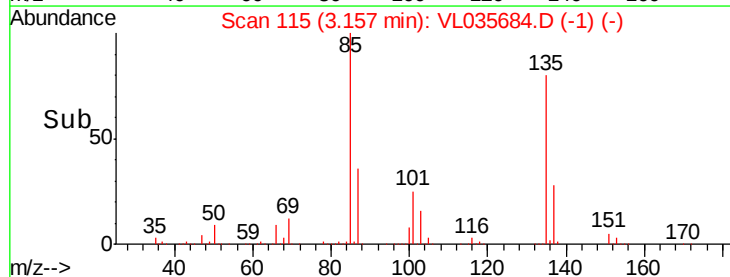
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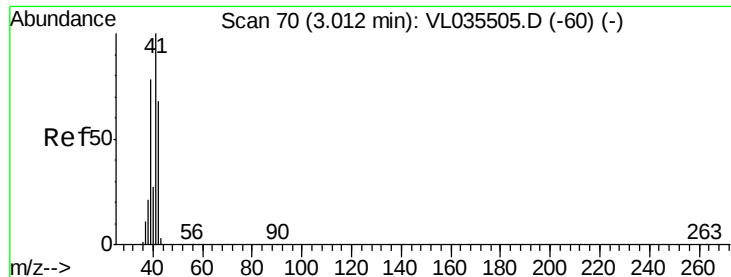
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Time-->





#9

Propene

Concen: 9.894 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

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ClientSampleId :

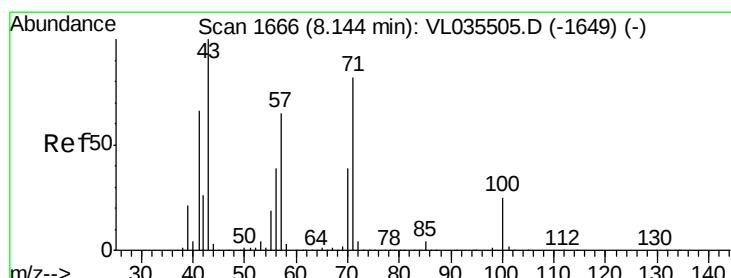
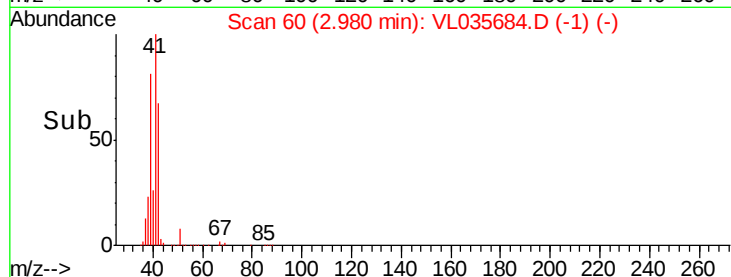
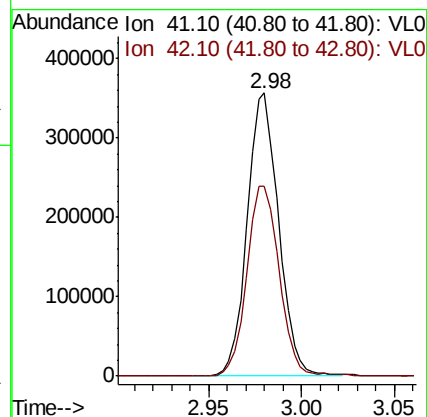
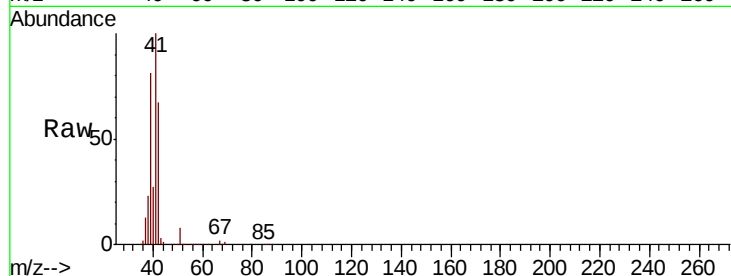
VL0921ABS01

Tot Ion: 41 Resp: 419027

Ion Ratio Lower Upper

41 100

42 69.7 56.3 84.5



#10

Heptane

Concen: 10.837 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035684.D

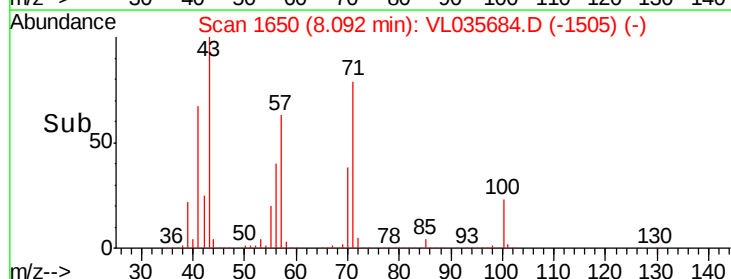
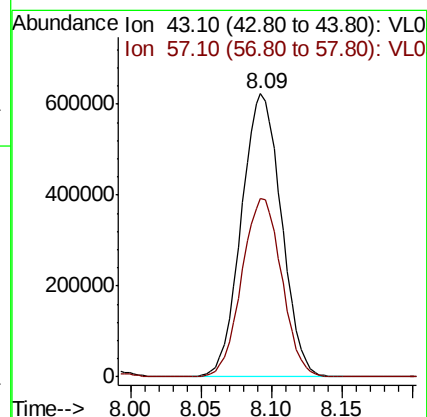
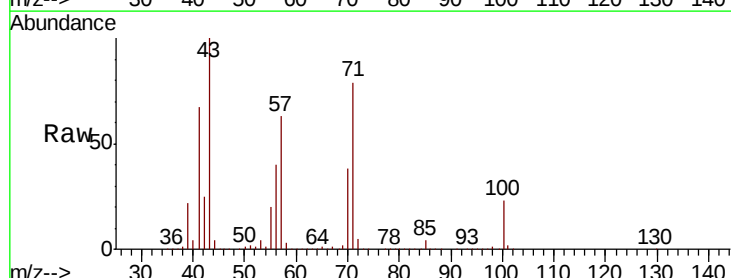
Acq: 21 Sep 2020 13:19

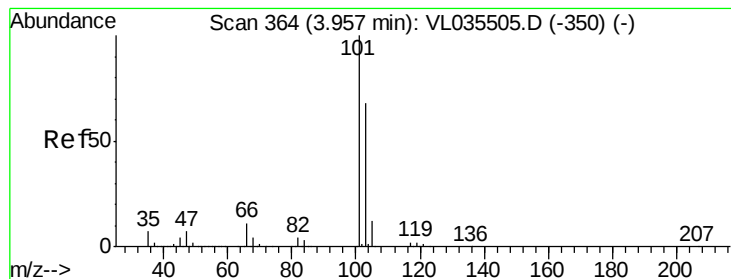
Tgt Ion: 43 Resp: 1232760

Ion Ratio Lower Upper

43 100

57 63.4 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.720 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

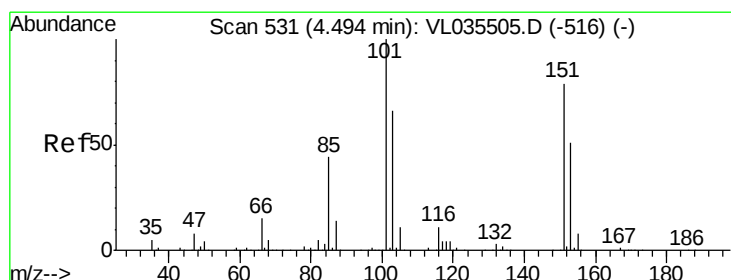
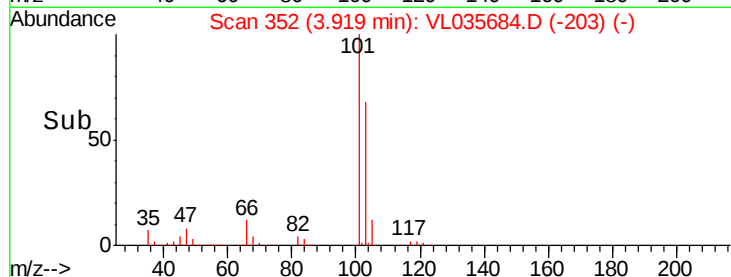
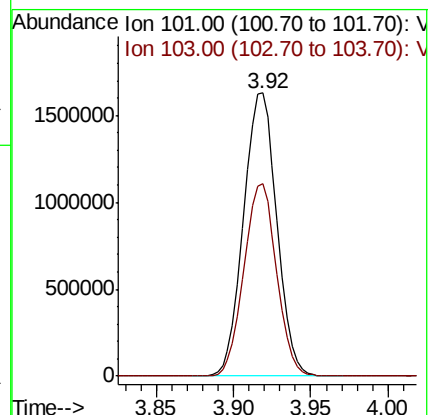
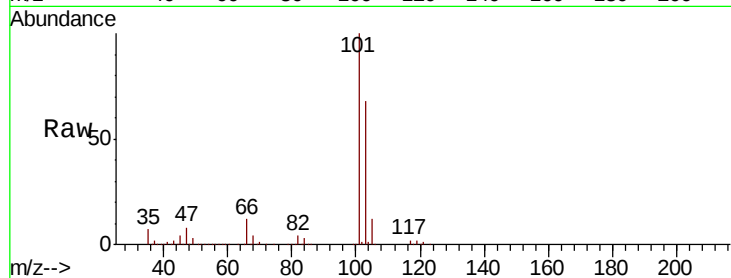
VL0921ABS01

Tot Ion:101 Resp: 2440078

Ion Ratio Lower Upper

101 100

103 67.8 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.636 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.03 min

Lab File: VL035684.D

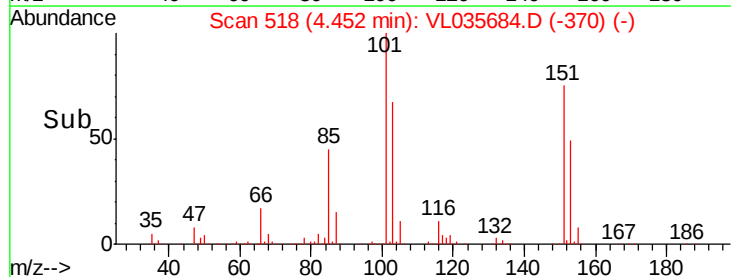
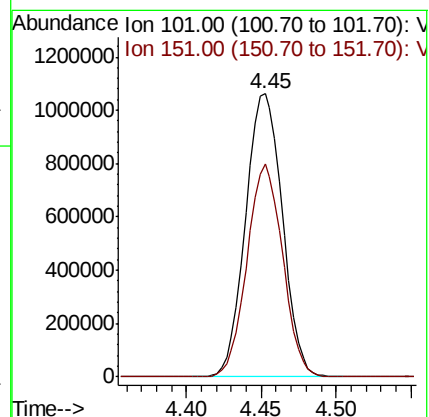
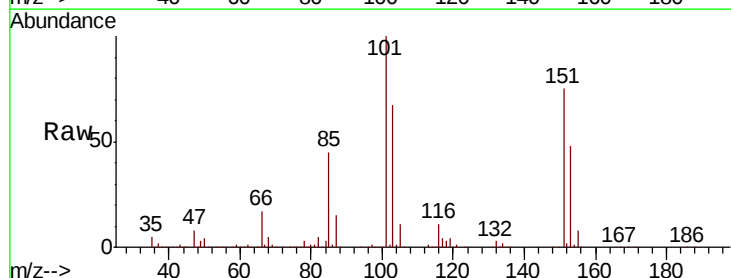
Acq: 21 Sep 2020 13:19

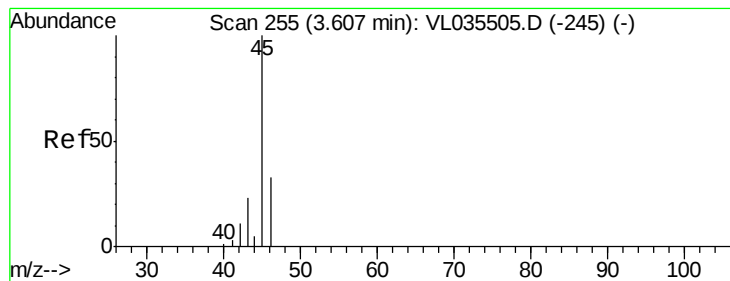
Tgt Ion:101 Resp: 1825626

Ion Ratio Lower Upper

101 100

151 72.8 63.5 95.3





#13

Ethanol

Concen: 8.935 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

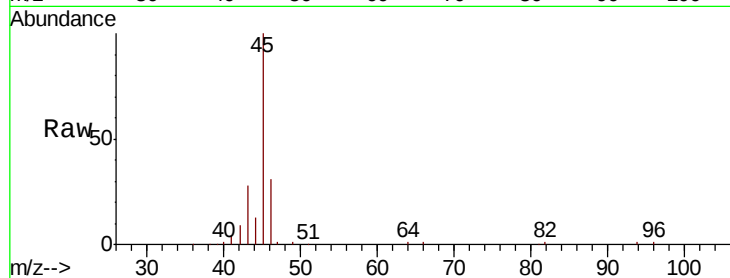
VL0921ABS01

Tot Ion: 45 Resp: 93819

Ion Ratio Lower Upper

45 100

46 36.1 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.57

60000

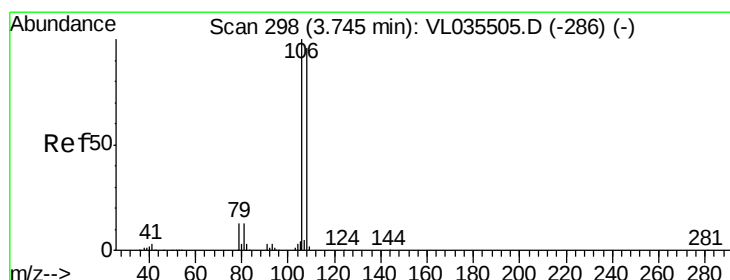
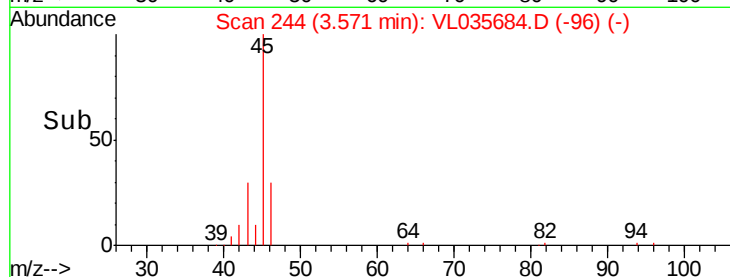
40000

20000

0

Time-->

3.50 3.55 3.60 3.65



#14

Bromoethene

Concen: 9.940 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

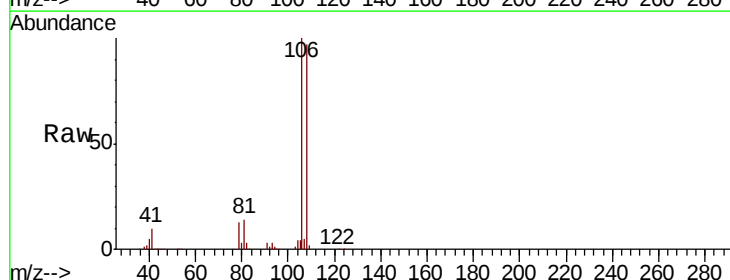
Tgt Ion: 108 Resp: 810673

Ion Ratio Lower Upper

108 100

106 105.5 84.9 127.3

79 14.4 10.8 16.2



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

800000

600000

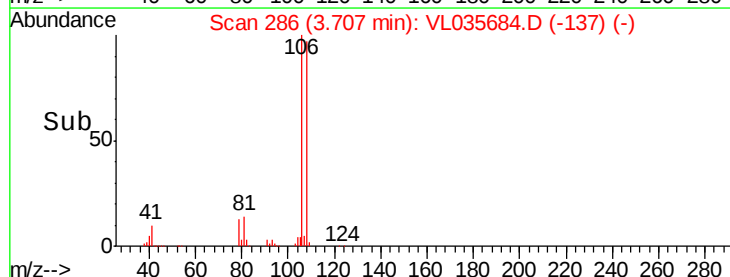
400000

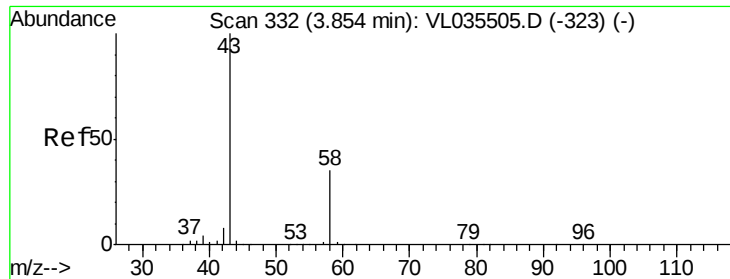
200000

0

Time-->

3.65 3.70 3.75





#15

Acetone

Concen: 8.883 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

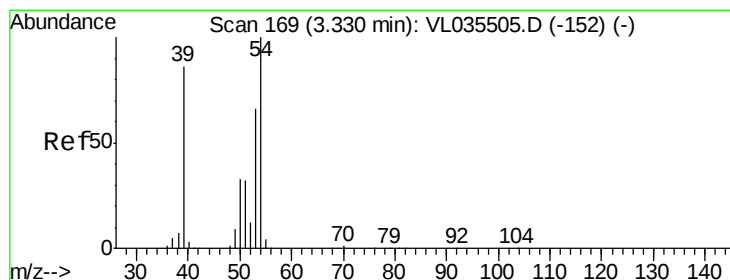
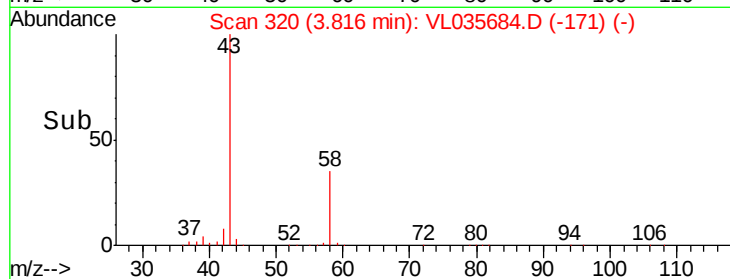
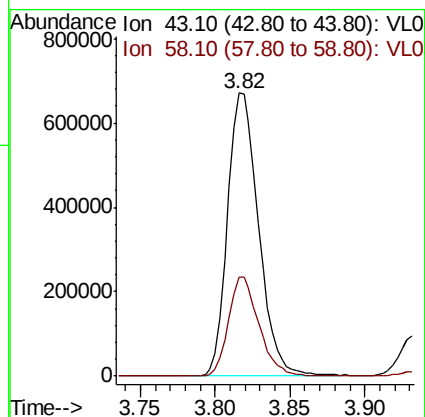
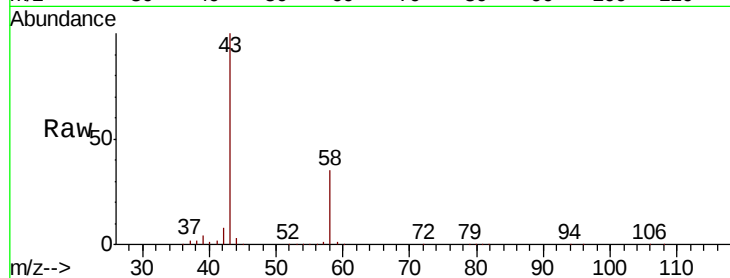
VL0921ABS01

Tot Ion: 43 Resp: 973161

Ion Ratio Lower Upper

43 100

58 34.4 28.4 42.6



#16

1,3-Butadiene

Concen: 10.770 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.02 min

Lab File: VL035684.D

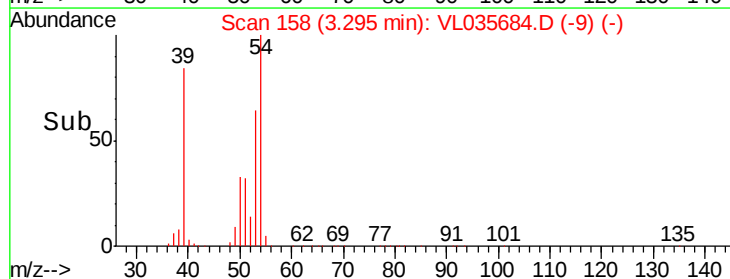
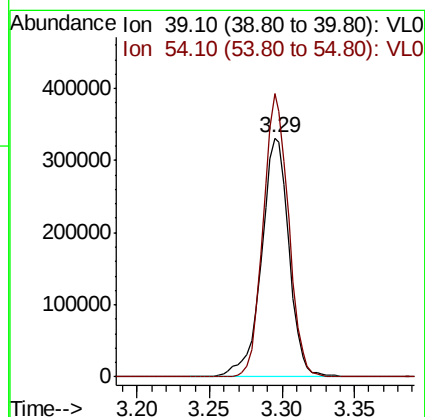
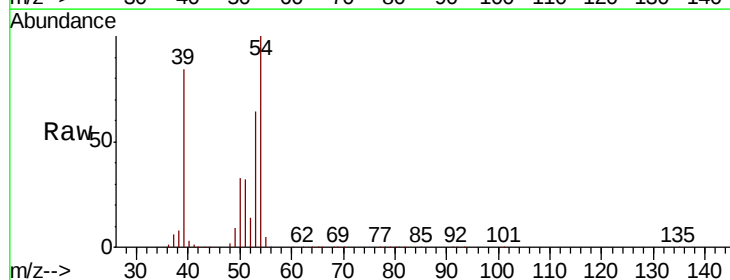
Acq: 21 Sep 2020 13:19

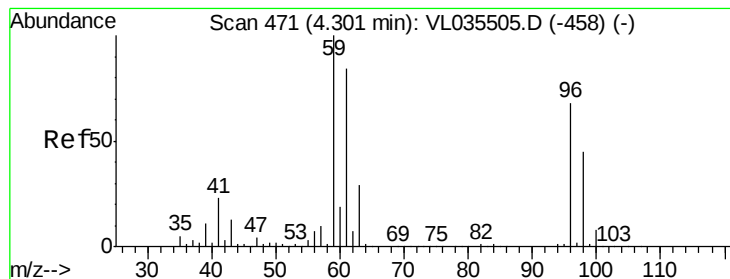
Tgt Ion: 39 Resp: 439196

Ion Ratio Lower Upper

39 100

54 109.3 88.4 132.6





#17

tert-Butyl alcohol

Concen: 9.872 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

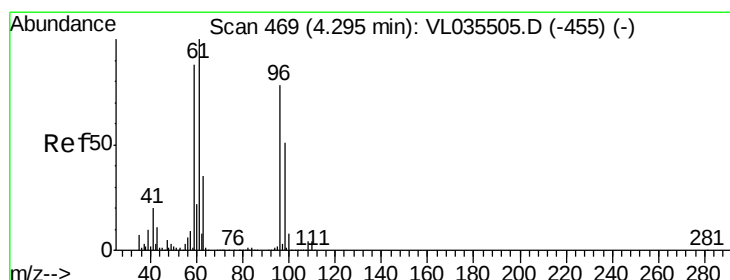
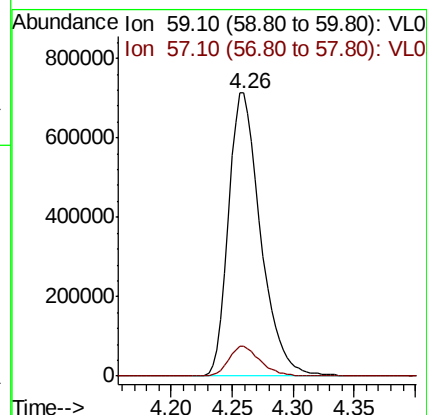
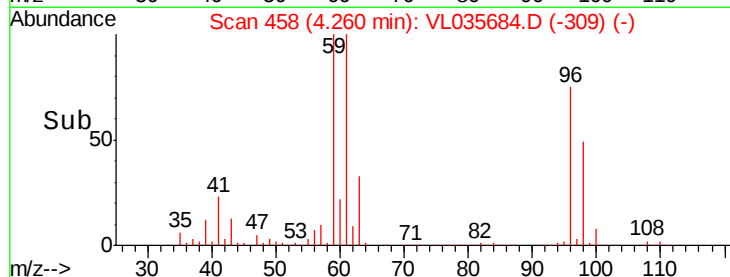
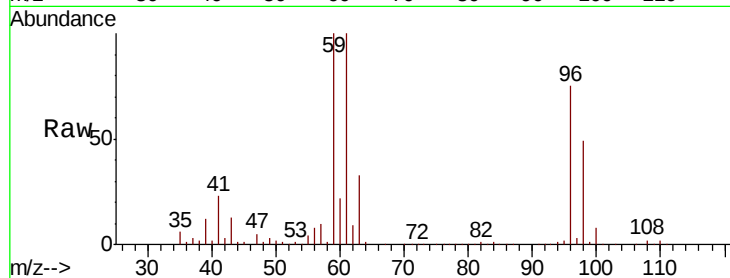
VL0921ABS01

Tot Ion: 59 Resp: 1316462

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.189 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

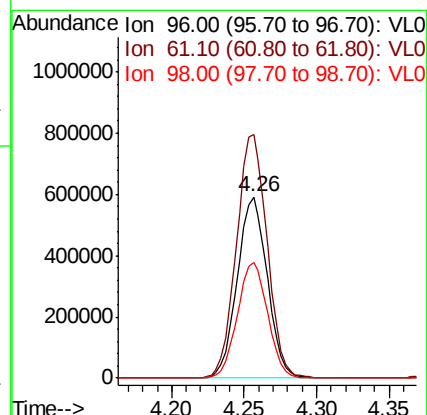
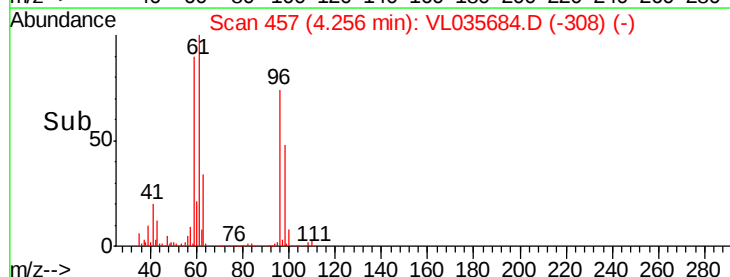
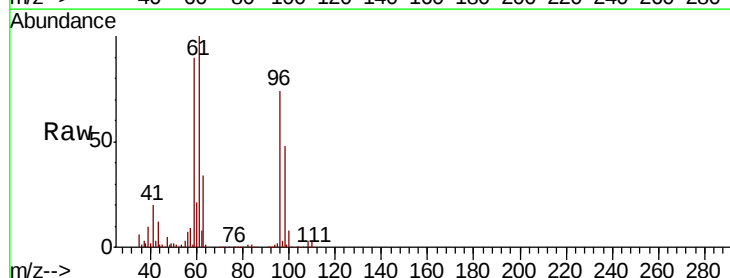
Tgt Ion: 96 Resp: 850117

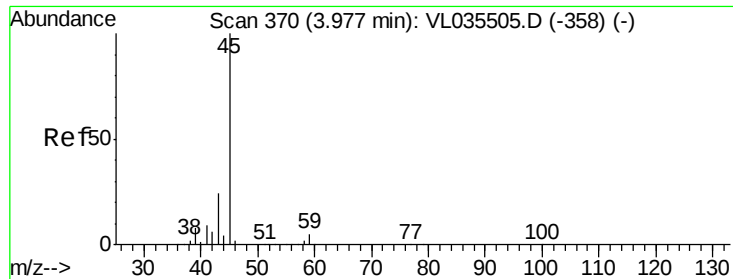
Ion Ratio Lower Upper

96 100

61 134.3 103.0 154.6

98 63.8 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.541 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

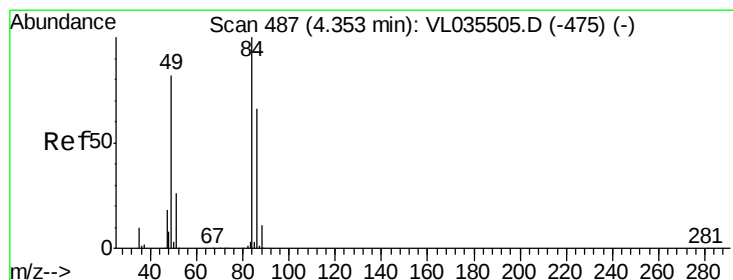
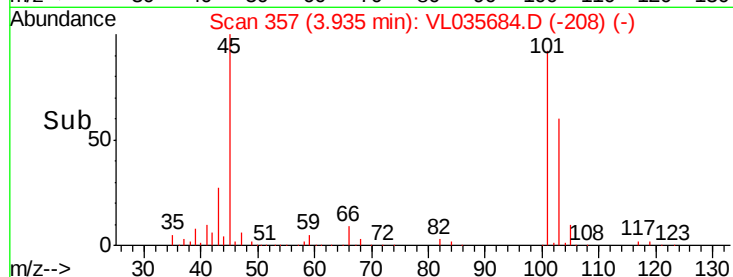
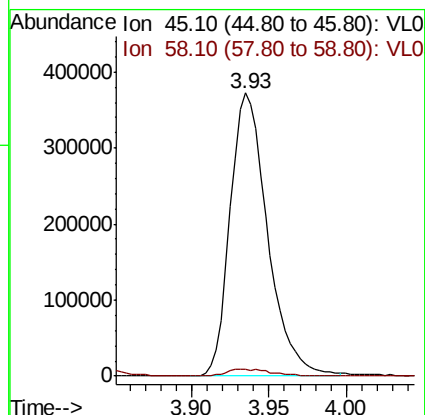
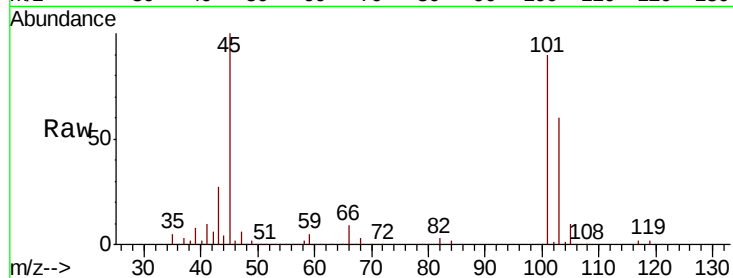
VL0921ABS01

Tot Ion: 45 Resp: 623516

Ion Ratio Lower Upper

45 100

58 3.3 2.0 3.0#



#20

Methylene Chloride

Concen: 8.878 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion: 84 Resp: 724368

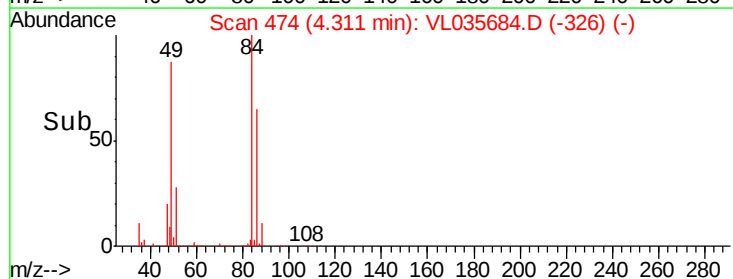
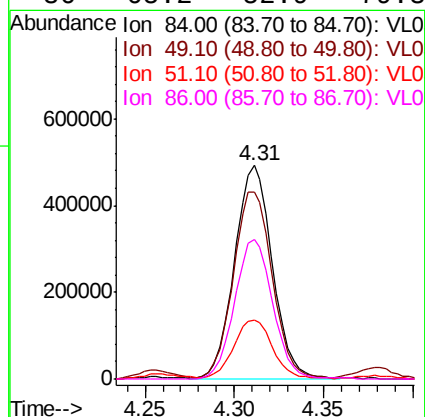
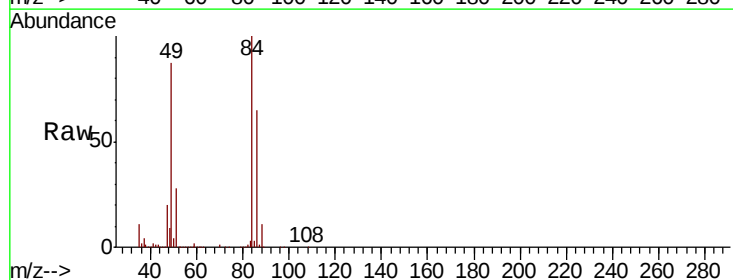
Ion Ratio Lower Upper

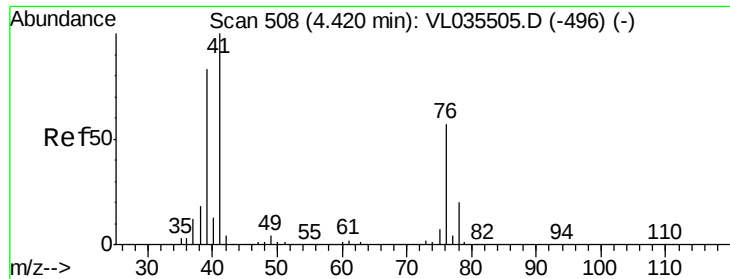
84 100

49 86.7 65.4 98.0

51 27.2 21.5 32.3

86 65.2 52.9 79.3





#21

Allvl Chloride

Concen: 11.480 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

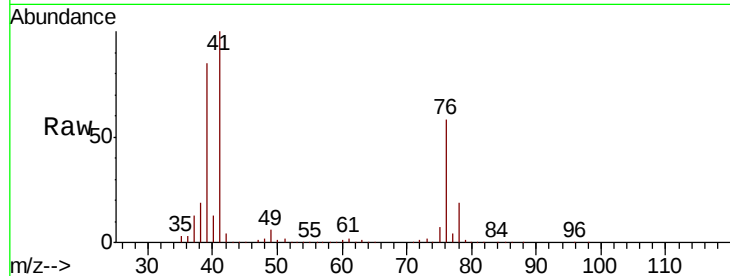
Tot Ion: 41 Resp: 589217

Ion Ratio Lower Upper

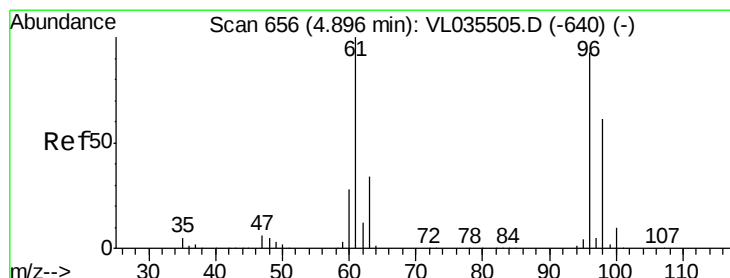
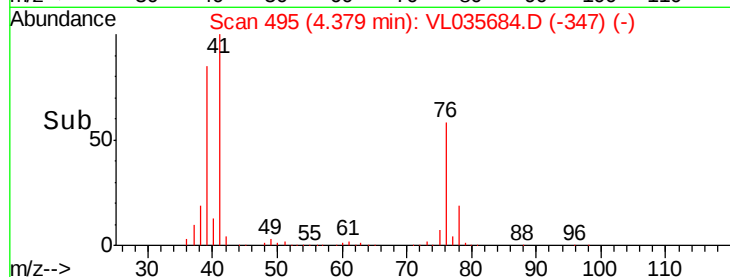
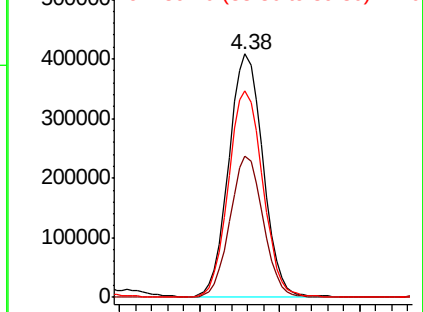
41 100

76 56.5 46.2 69.2

39 85.7 67.8 101.6



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: 10.004 ppbv

RT: 4.85 min Scan# 642

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

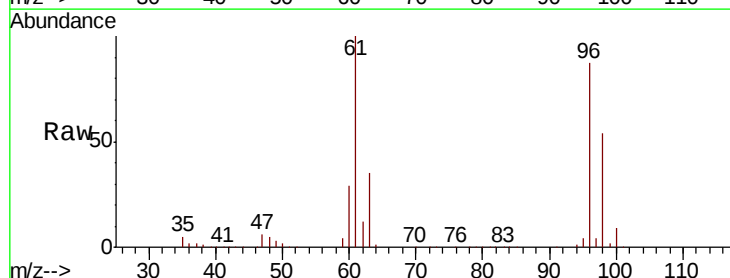
Tgt Ion: 96 Resp: 888608

Ion Ratio Lower Upper

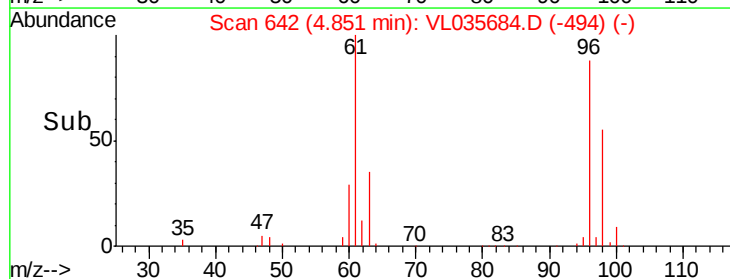
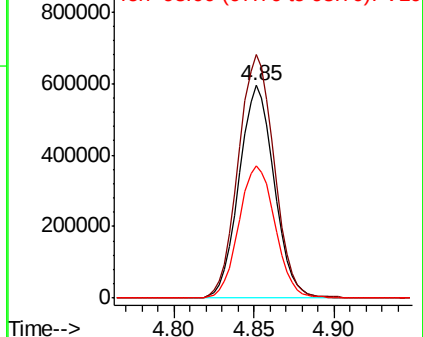
96 100

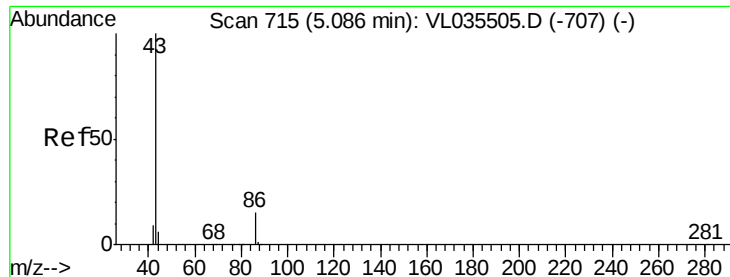
61 114.5 86.0 129.0

98 62.3 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.754 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 43 Resp: 1512036

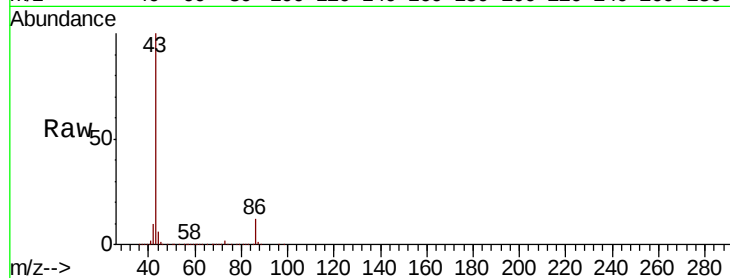
Ion Ratio Lower Upper

43 100

86 12.2 10.6 16.0

42 9.8 7.5 11.3

44 5.9 4.4 6.6

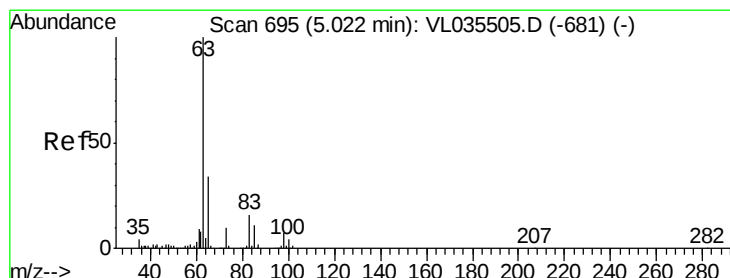
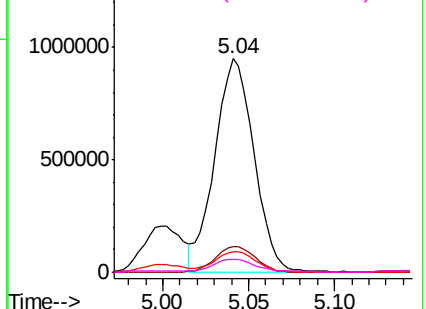
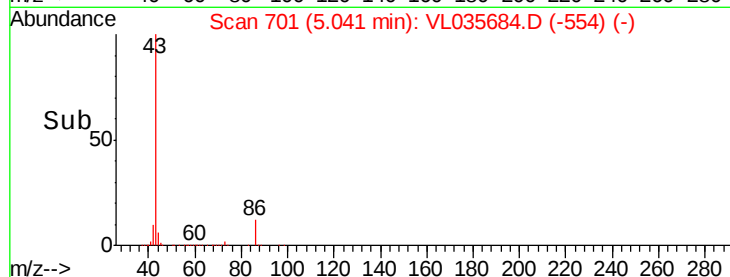


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.228 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

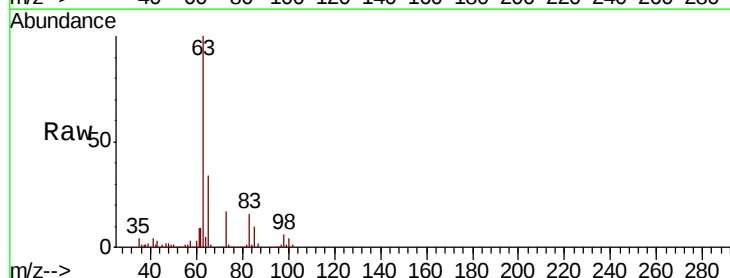
Tgt Ion: 63 Resp: 1479967

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

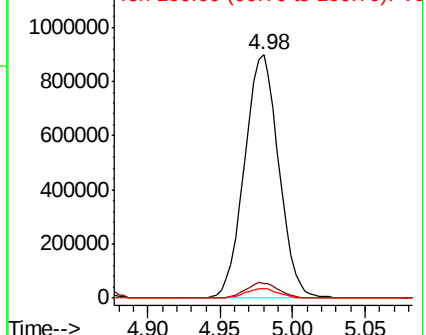
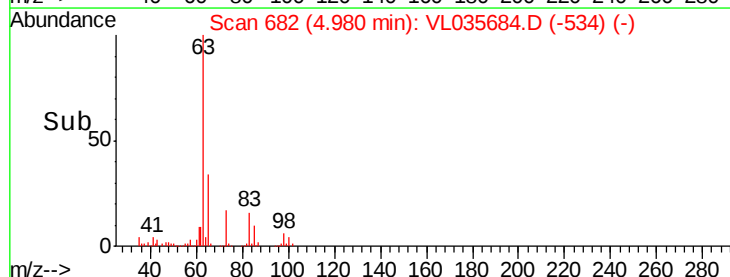
100 3.9 2.1 6.5

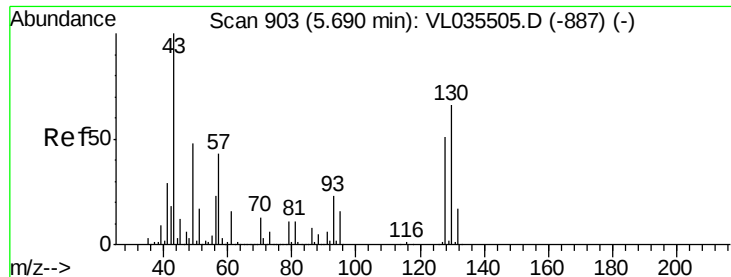


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.533 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleID :

VL0921ABS01

Tot Ion: 43 Resp: 2038620

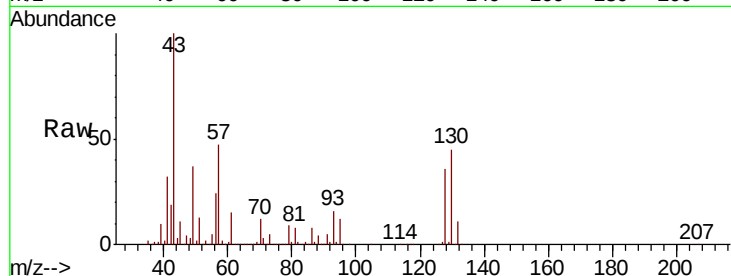
Ion Ratio Lower Upper

43 100

45 10.8 8.4 12.6

61 13.1 10.6 16.0

70 11.3 9.4 14.2



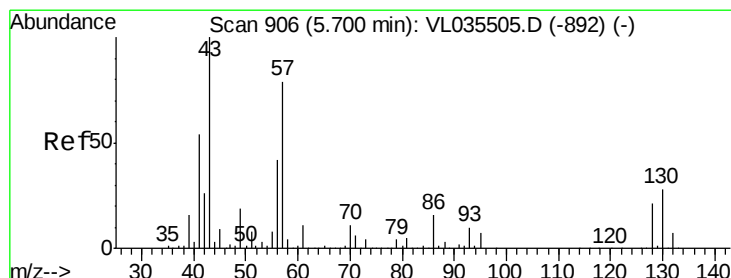
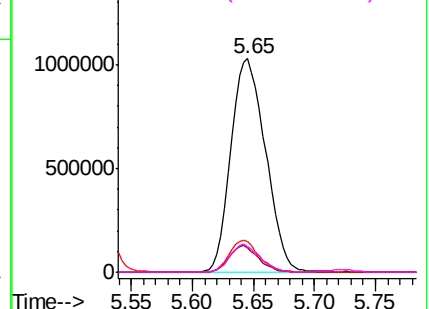
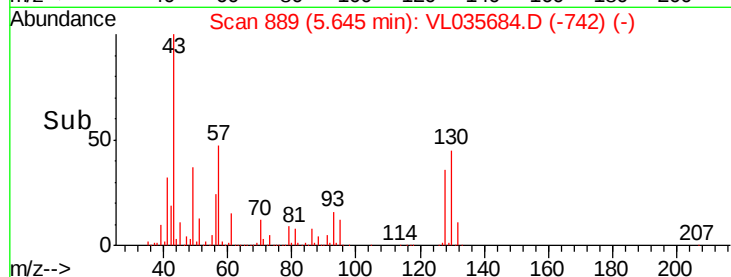
Abundance

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: 10.400 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion: 57 Resp: 1140449

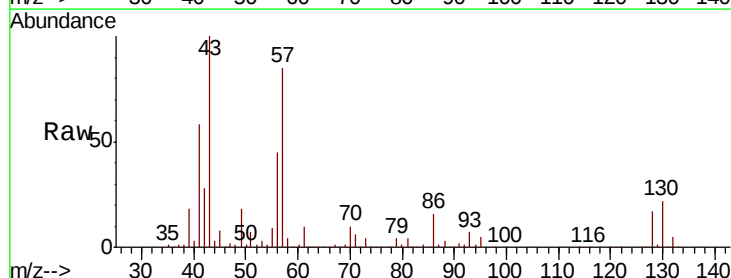
Ion Ratio Lower Upper

57 100

41 72.8 55.9 83.9

43 179.3 141.8 212.8

56 53.4 41.8 62.8



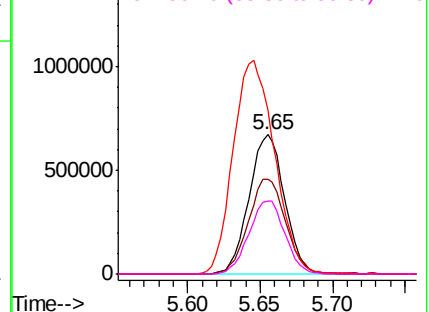
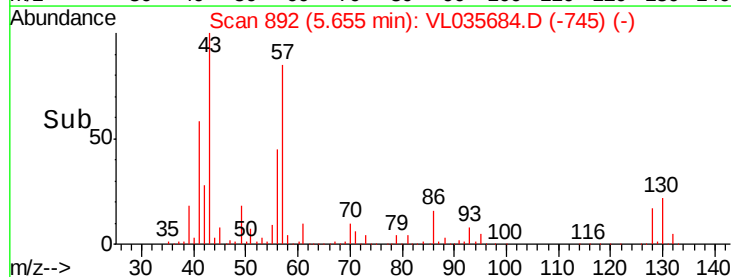
Abundance

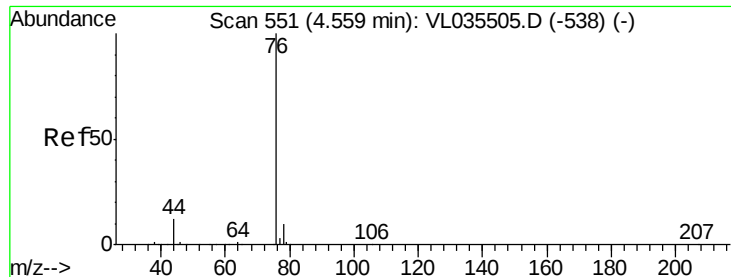
Ion 57.10 (56.80 to 57.80): VL0

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: 11.878 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

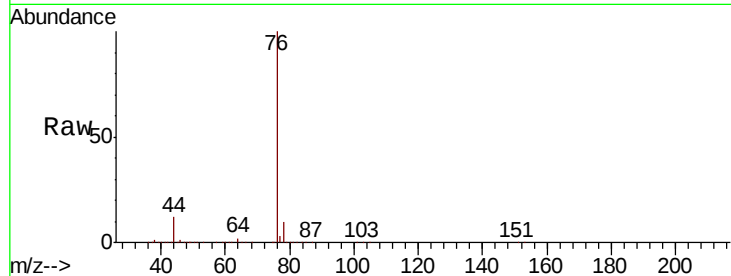
Tot Ion: 76 Resp: 1869178

Ion Ratio Lower Upper

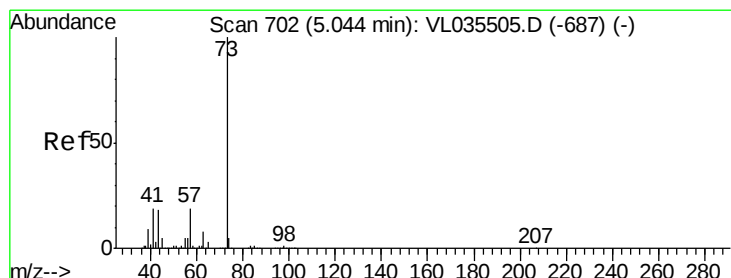
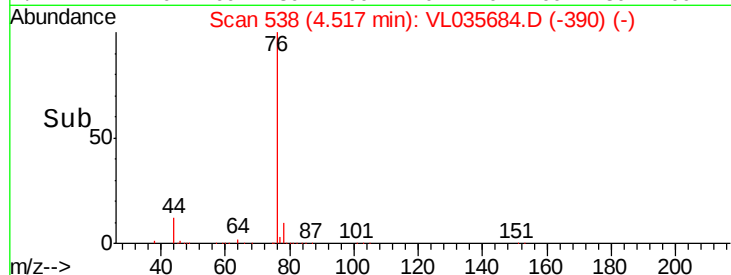
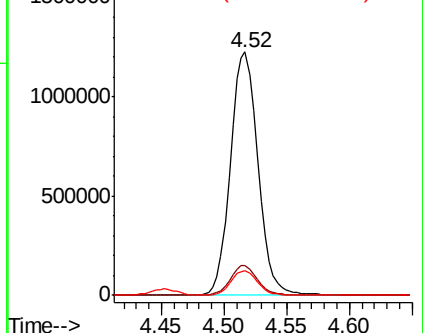
76 100

44 11.8 9.3 13.9

78 9.9 7.8 11.6



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: 10.293 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.03 min

Lab File: VL035684.D

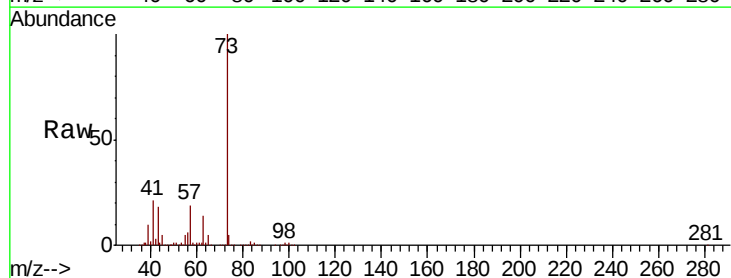
Acq: 21 Sep 2020 13:19

Tgt Ion: 73 Resp: 1967210

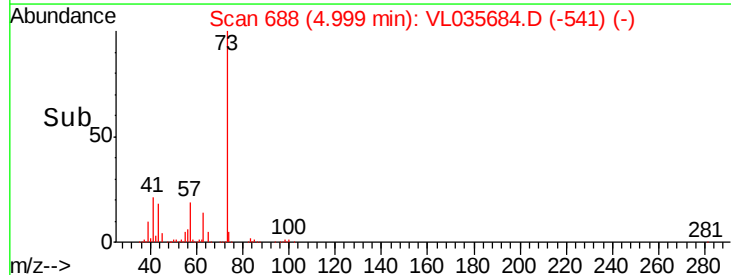
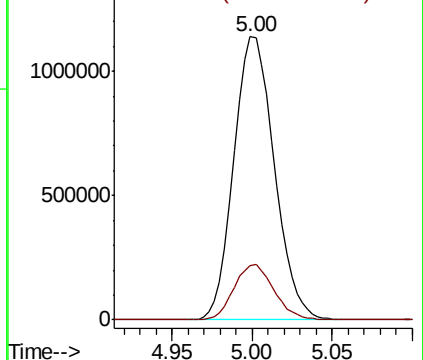
Ion Ratio Lower Upper

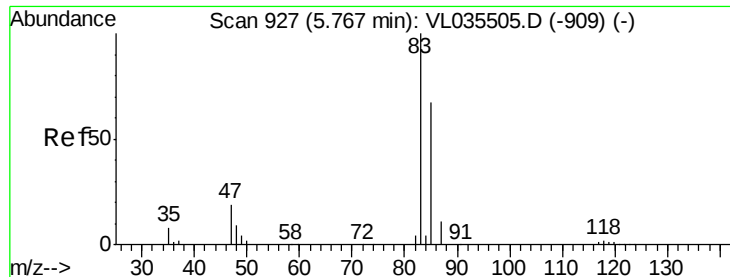
73 100

57 19.4 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

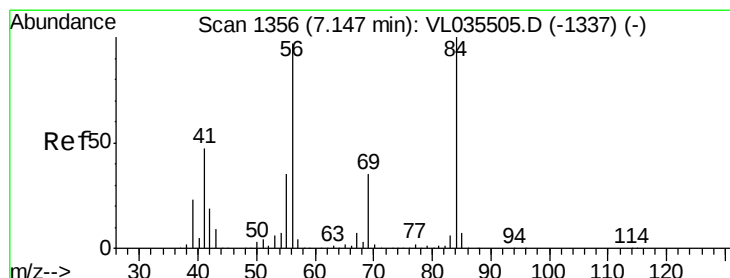
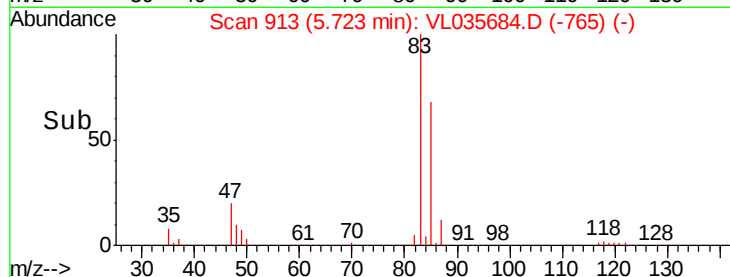
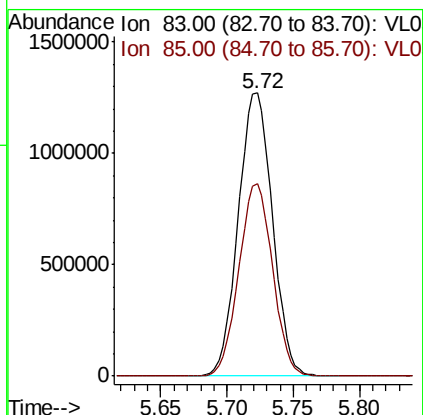
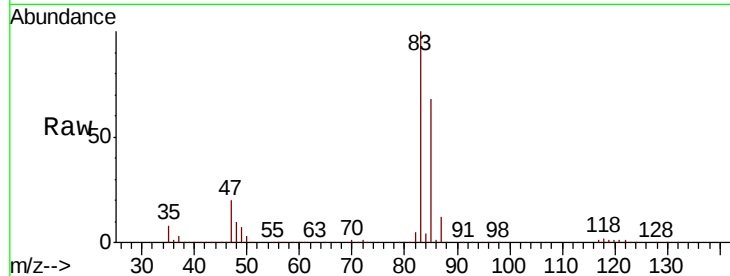




#29
Chloroform
Concen: 10.239 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

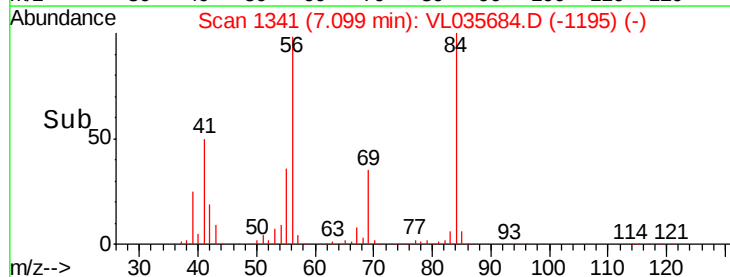
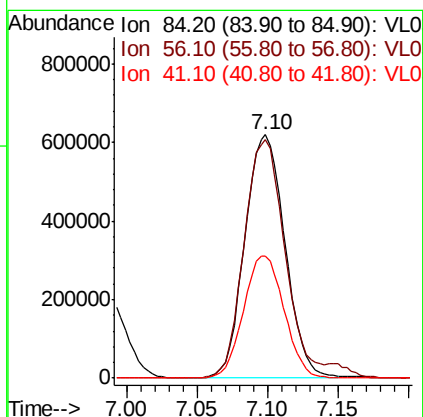
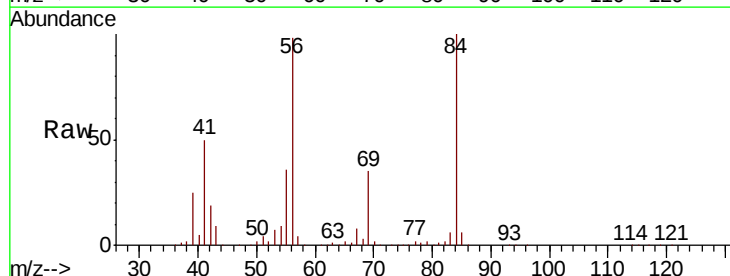
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

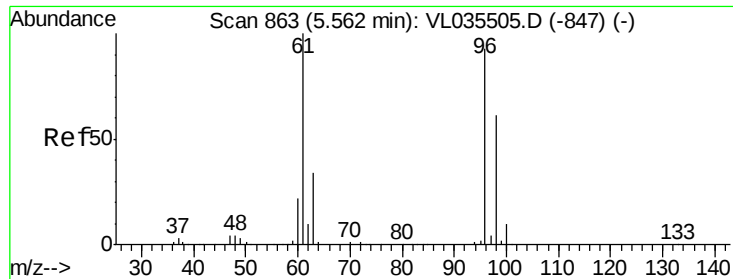
Tot Ion: 83 Resp: 2287729
Ion Ratio Lower Upper
83 100
85 68.0 53.9 80.9



#30
Cyclohexane
Concen: 10.514 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 84 Resp: 1235157
Ion Ratio Lower Upper
84 100
56 103.4 80.1 120.1
41 50.9 38.1 57.1



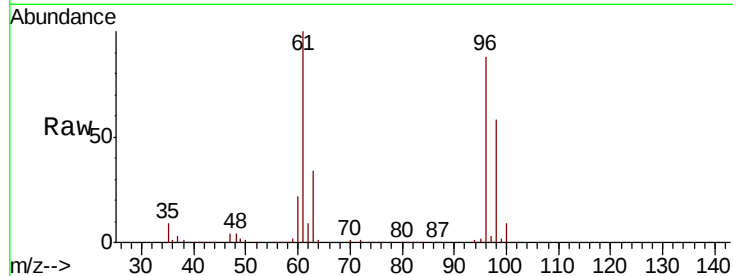


#31

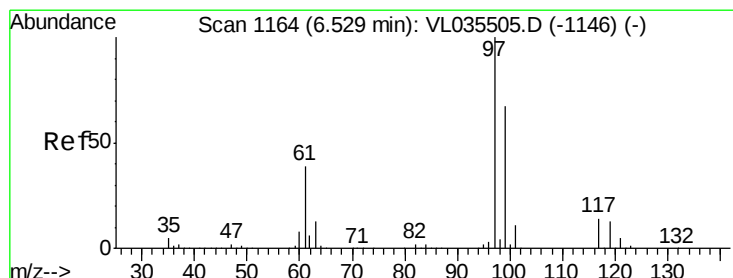
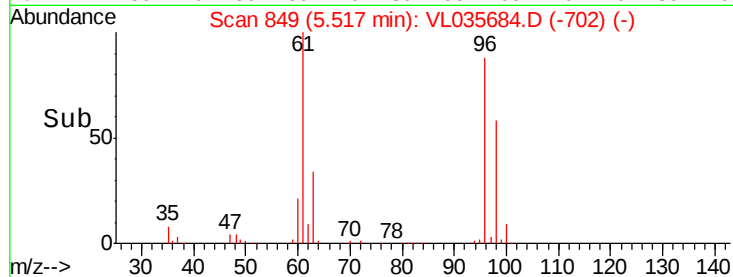
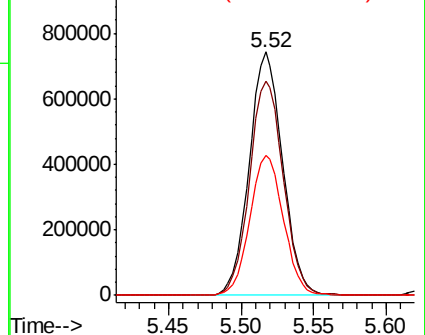
cis-1,2-Dichloroethene
 Concen: 10.613 ppbv
 RT: 5.52 min Scan# 849
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 61 Resp: 1193971
 Ion Ratio Lower Upper
 61 100
 96 88.2 74.4 111.6
 98 57.6 49.2 73.8



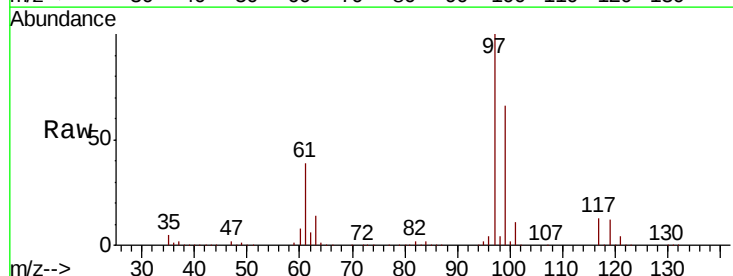
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



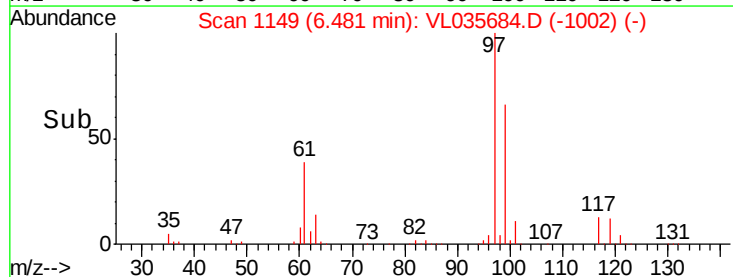
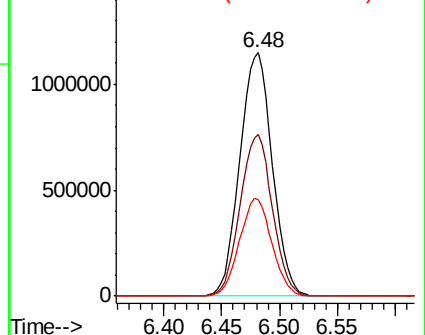
#32

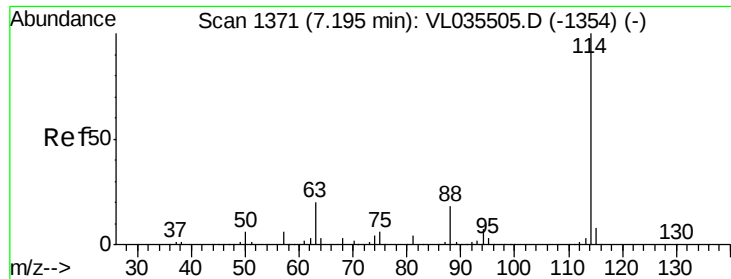
1,1,1-Trichloroethane
 Concen: 10.335 ppbv
 RT: 6.48 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 97 Resp: 2240099
 Ion Ratio Lower Upper
 97 100
 99 65.9 53.3 79.9
 61 40.0 30.6 46.0



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

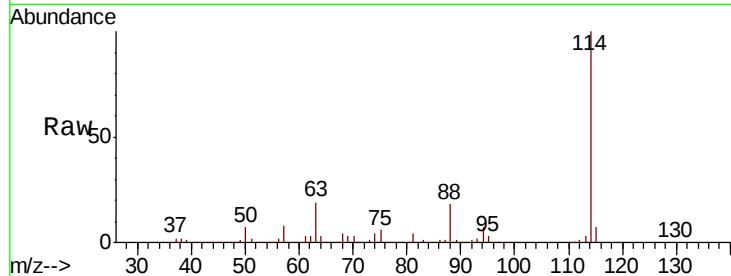




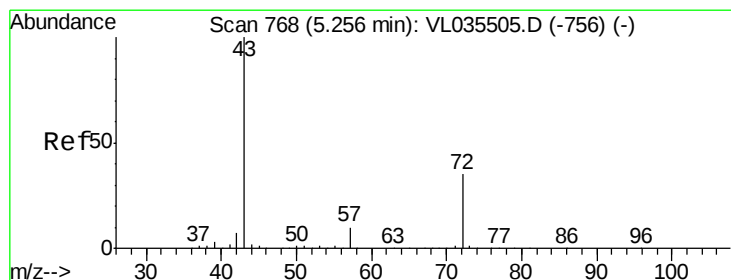
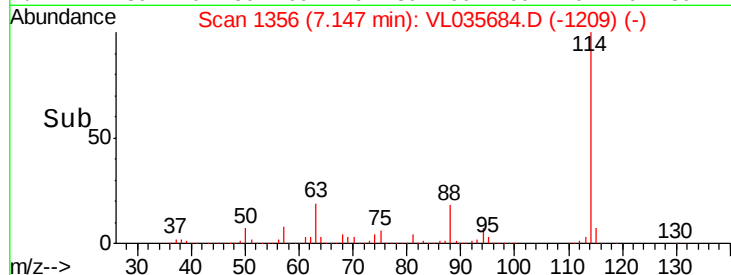
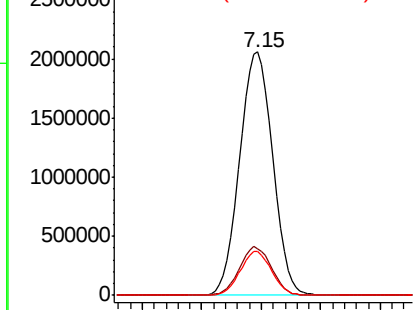
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:114 Resp: 3966598
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.7 22.1
 88 17.1 13.4 20.2

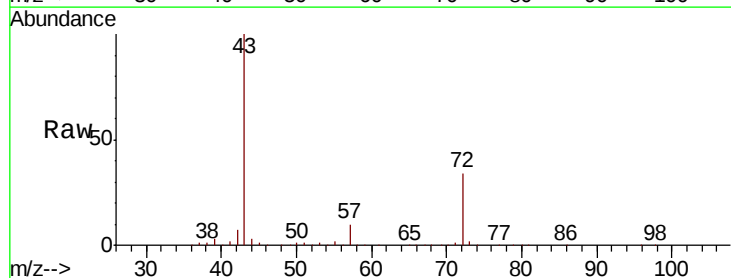


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

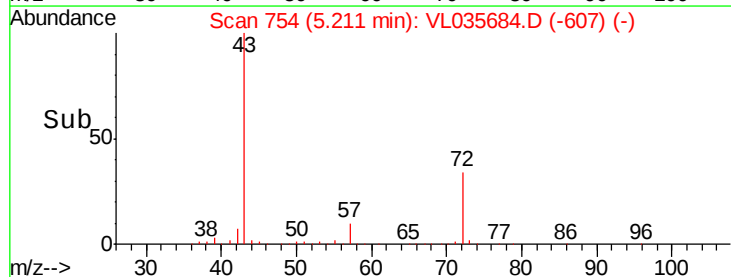
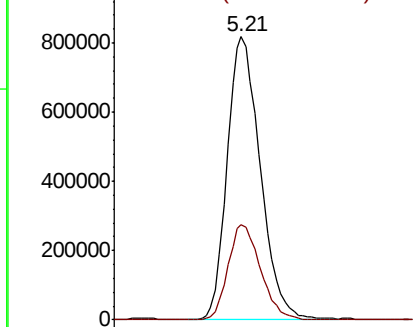


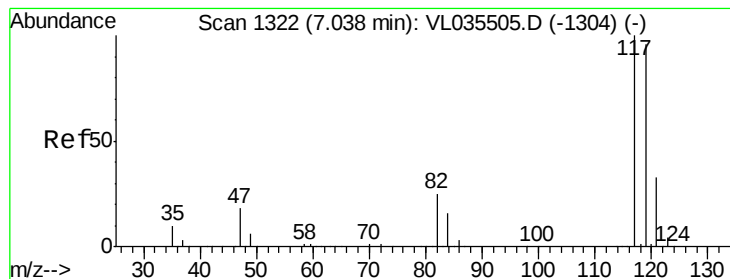
#34
 2-Butanone
 Concen: 11.694 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 43 Resp: 1376552
 Ion Ratio Lower Upper
 43 100
 72 33.1 27.7 41.5



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





#35

Carbon Tetrachloride

Concen: 11.707 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

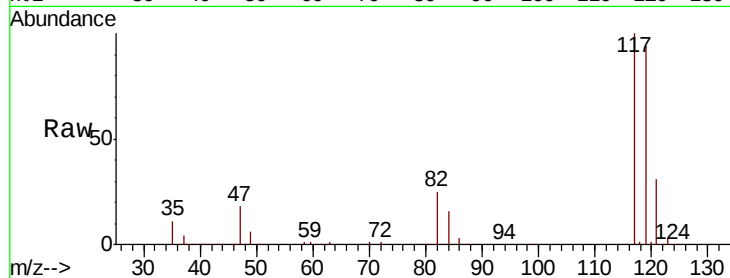
Tot Ion:117 Resp: 2333920

Ion Ratio Lower Upper

117 100

119 93.8 77.2 115.8

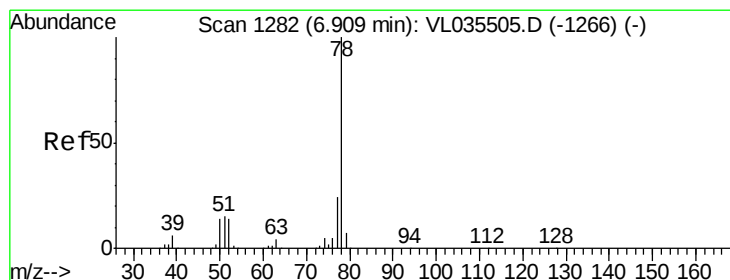
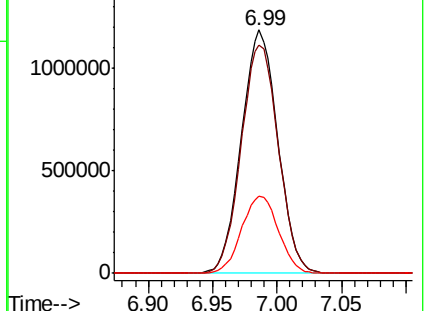
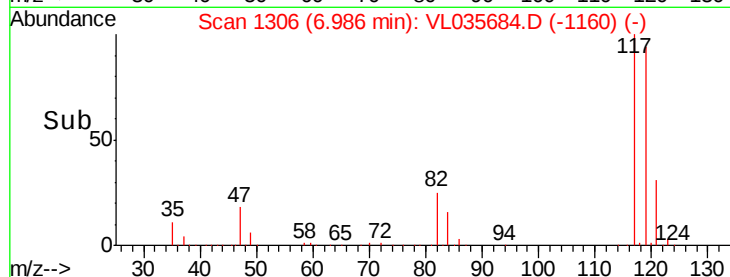
121 31.5 26.1 39.1



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: 11.061 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

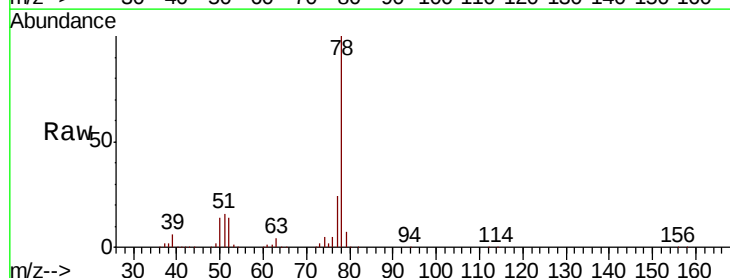
Tgt Ion: 78 Resp: 2839977

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

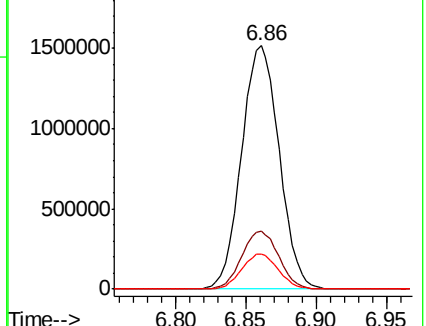
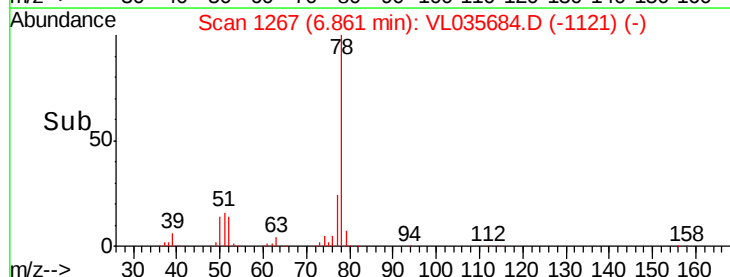
50 14.4 11.0 16.6

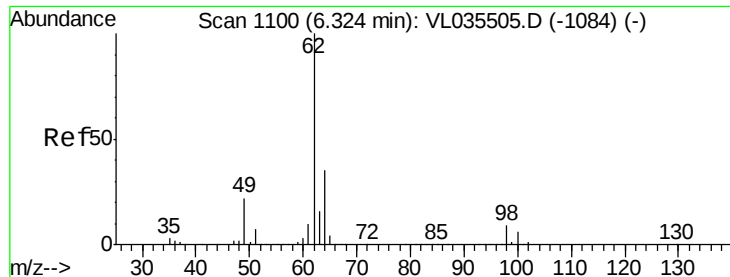


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.523 ppbv

RT: 6.28 min Scan# 1085

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

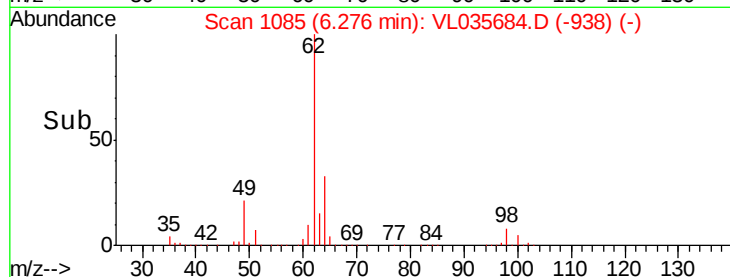
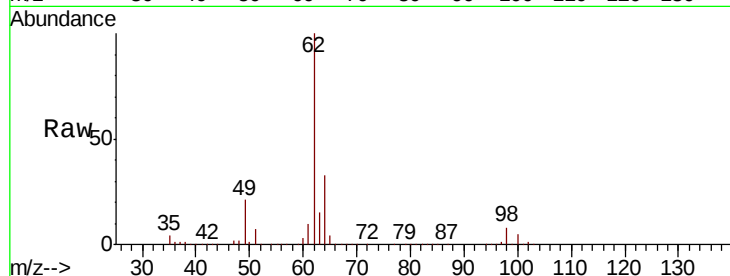
VL0921ABS01

Tot Ion: 62 Resp: 1410626

Ion Ratio Lower Upper

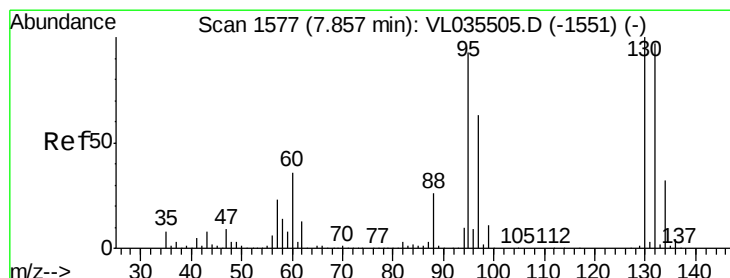
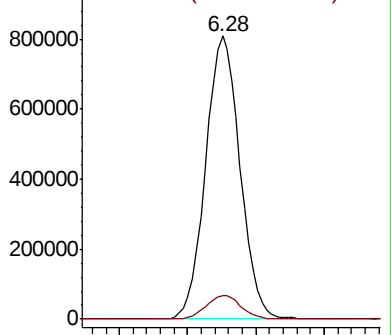
62 100

98 8.5 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.792 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion:130 Resp: 1460459

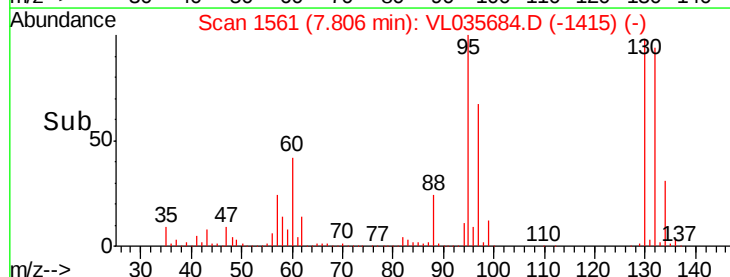
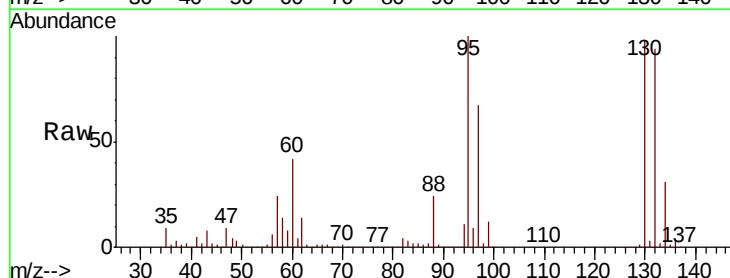
Ion Ratio Lower Upper

130 100

95 102.0 74.6 112.0

132 96.1 77.6 116.4

97 68.7 50.6 76.0

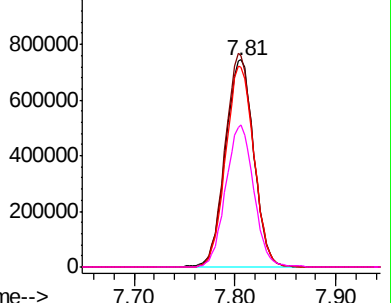


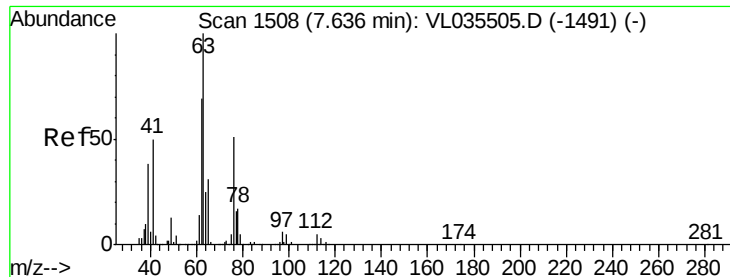
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 11.120 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

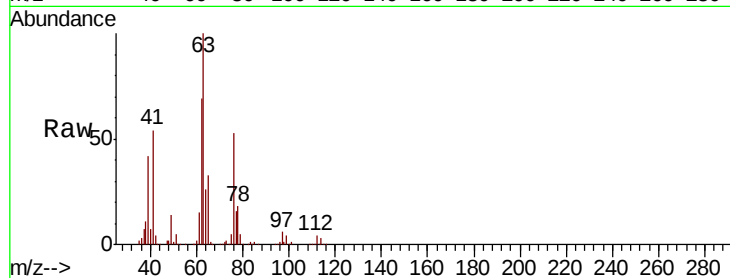
Tot Ion: 63 Resp: 964545

Ion Ratio Lower Upper

63 100

41 54.3 40.0 60.0

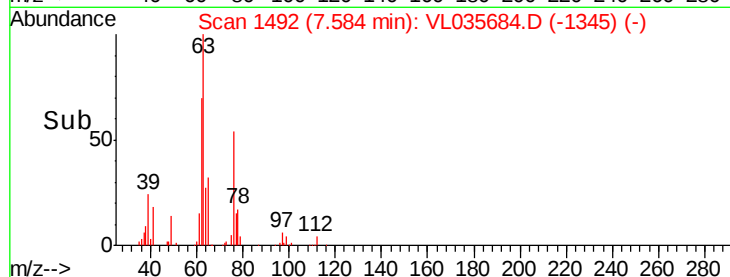
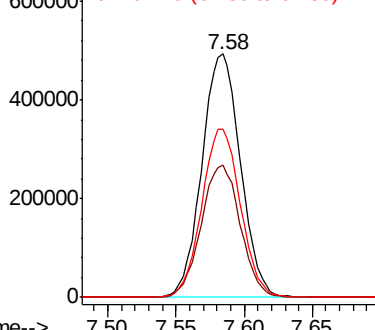
62 69.2 55.4 83.0



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: 10.754 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion: 88 Resp: 465946

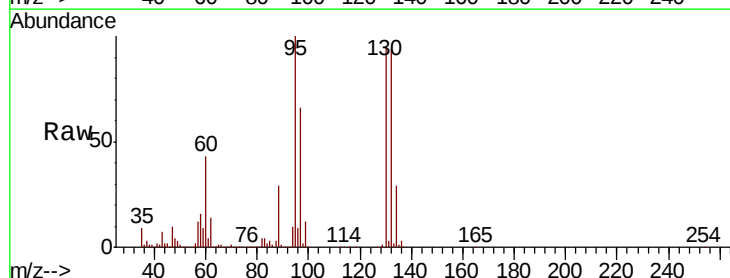
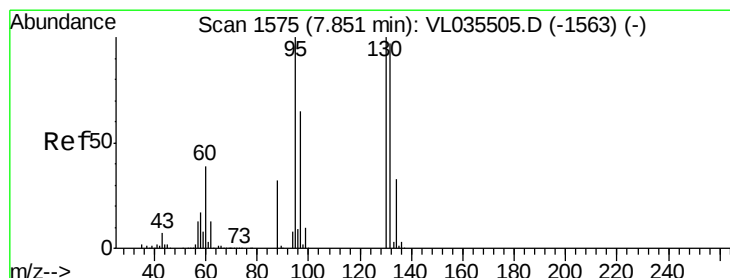
Ion Ratio Lower Upper

88 100

58 94.4 68.7 103.1

43 154.0 104.3 156.5

57 822.7 560.7 841.1

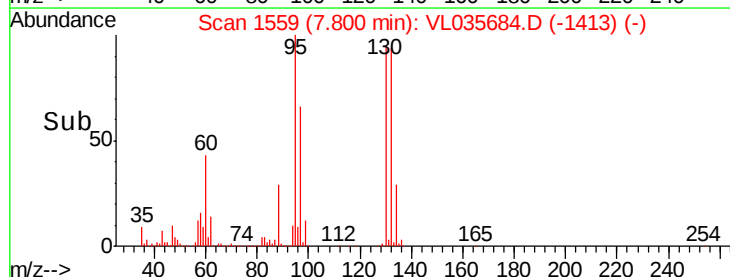
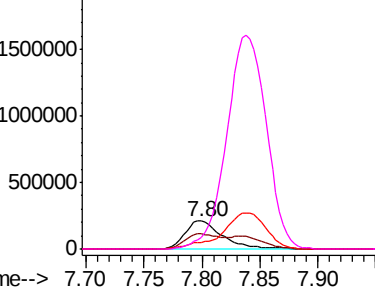


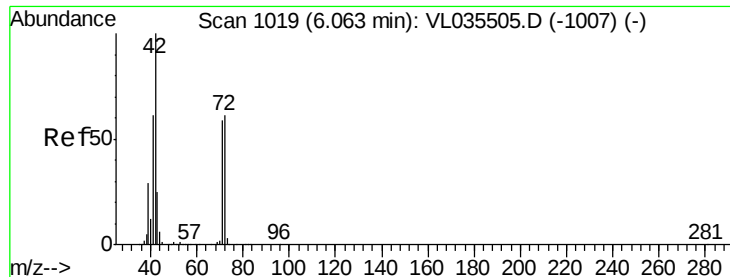
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 12.382 ppbv

RT: 6.02 min Scan# 1004

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

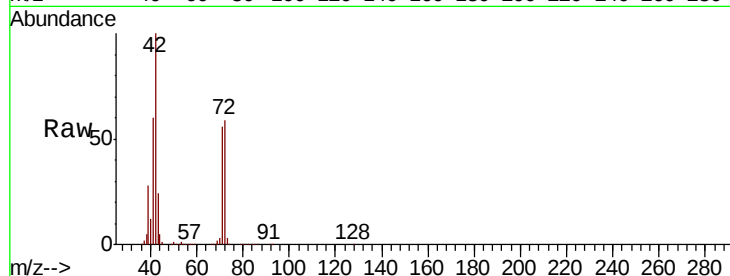
Tot Ion: 42 Resp: 772921

Ion Ratio Lower Upper

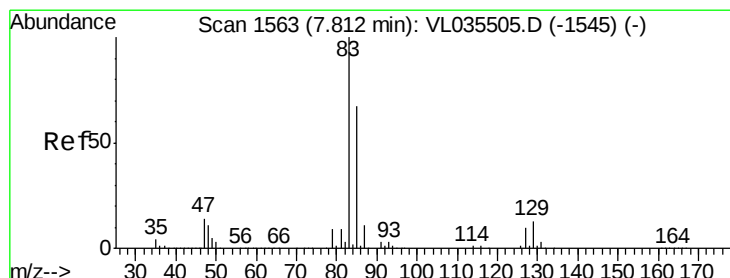
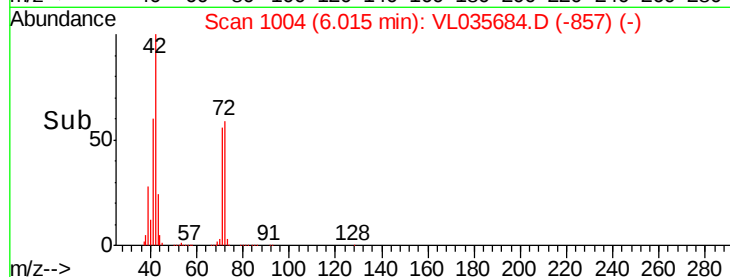
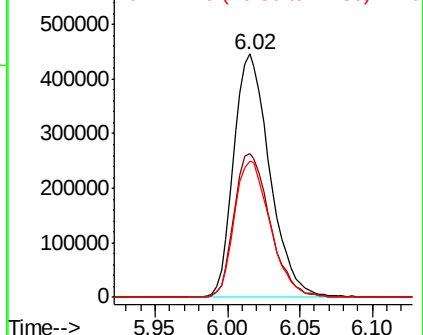
42 100

72 59.1 48.6 73.0

71 56.1 46.1 69.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 12.096 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

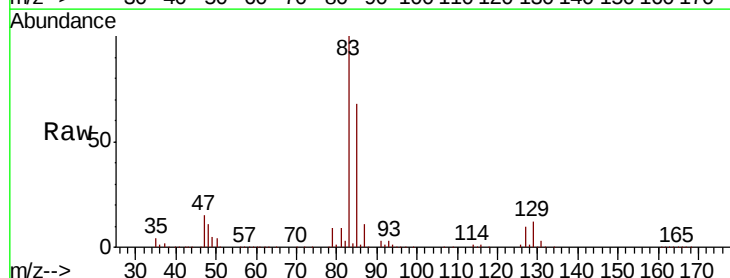
Tgt Ion: 83 Resp: 2394595

Ion Ratio Lower Upper

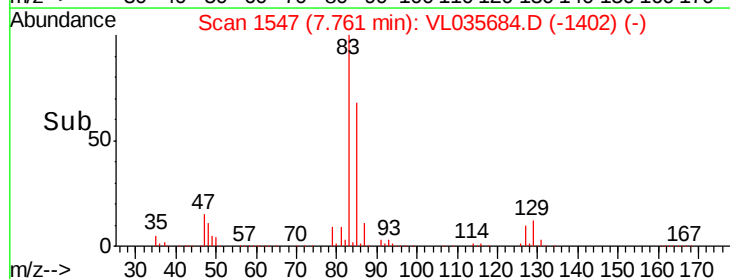
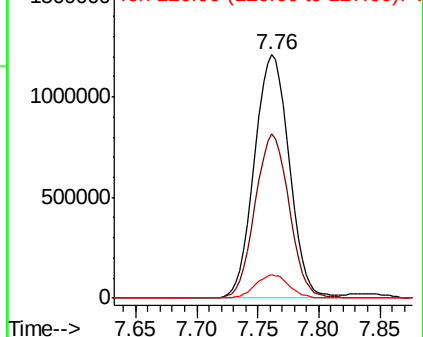
83 100

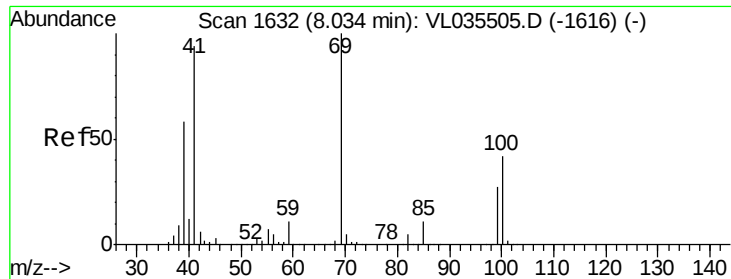
85 67.7 53.7 80.5

127 9.6 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

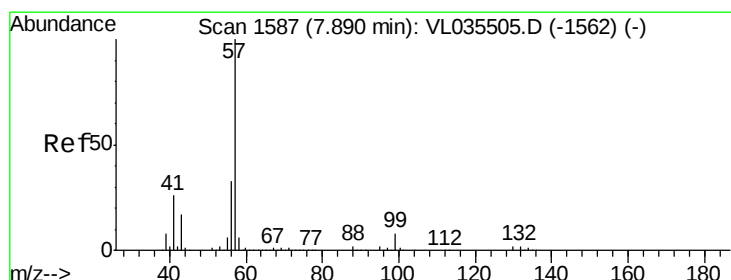
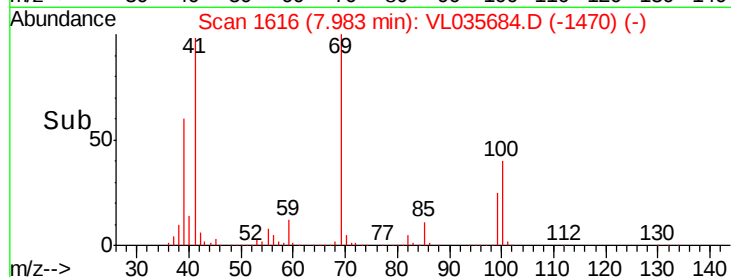
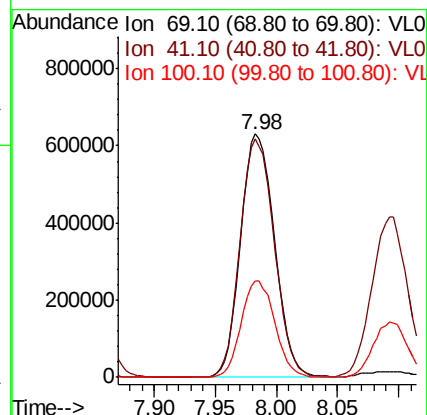
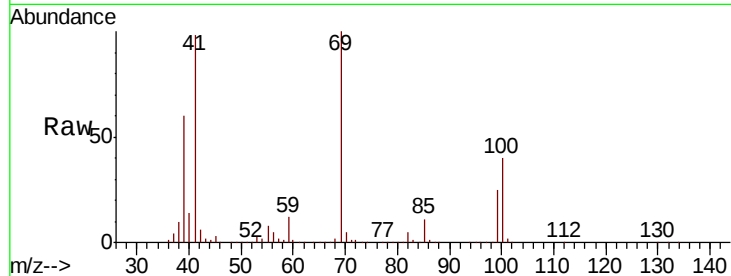




#43
Methyl Methacrylate
Concen: 12.220 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

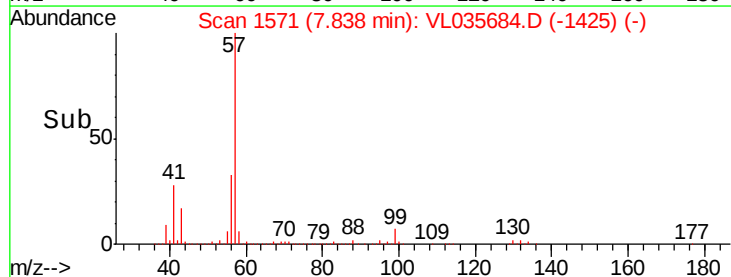
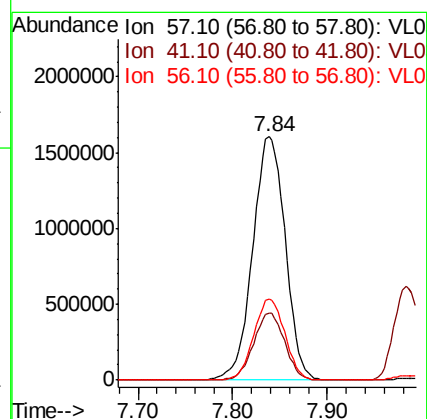
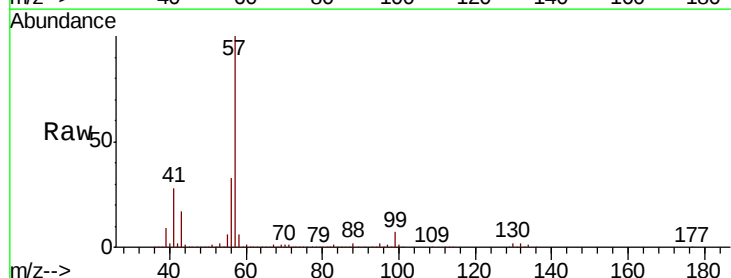
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

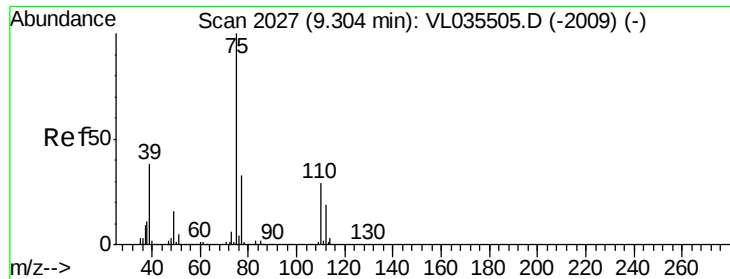
Tot Ion: 69 Resp: 1213215
Ion Ratio Lower Upper
69 100
41 98.7 76.6 114.8
100 39.3 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 11.341 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 57 Resp: 3831360
Ion Ratio Lower Upper
57 100
41 26.4 20.5 30.7
56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 13.828 ppbv

RT: 9.25 min Scan# 2010

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

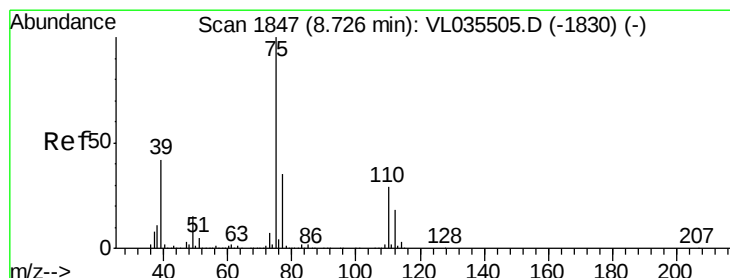
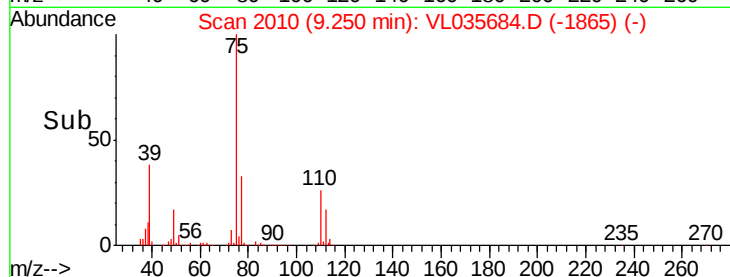
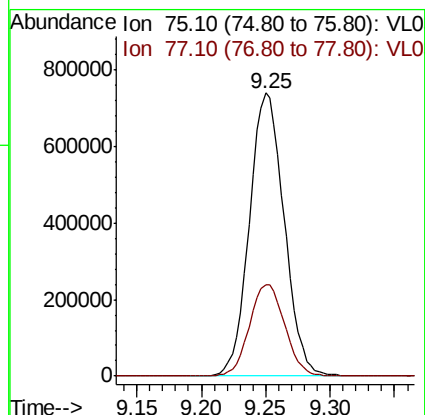
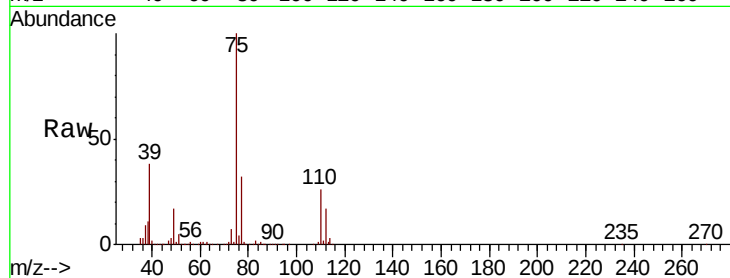
VL0921ABS01

Tot Ion: 75 Resp: 1390779

Ion Ratio Lower Upper

75 100

77 32.5 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 13.013 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

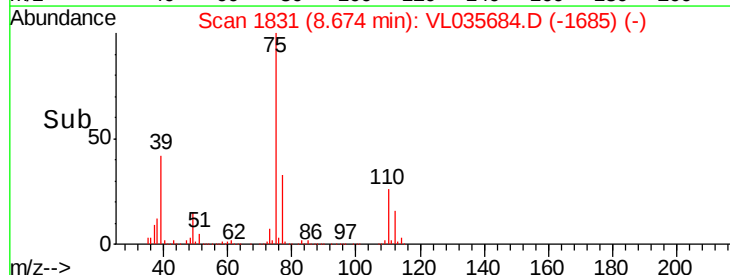
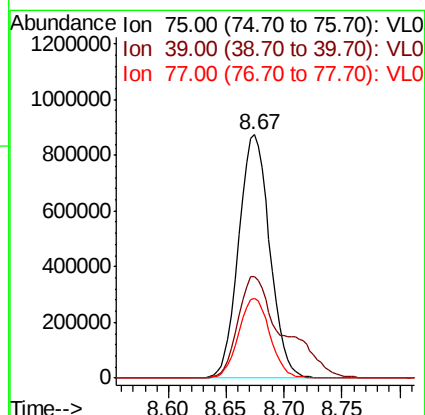
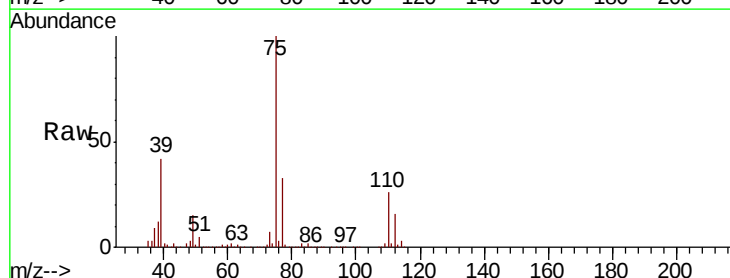
Tgt Ion: 75 Resp: 1625023

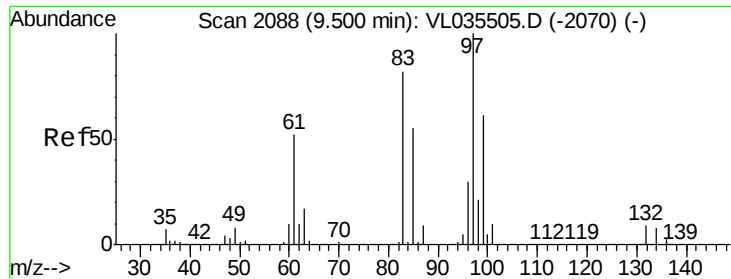
Ion Ratio Lower Upper

75 100

39 41.8 33.7 50.5

77 33.0 27.8 41.6



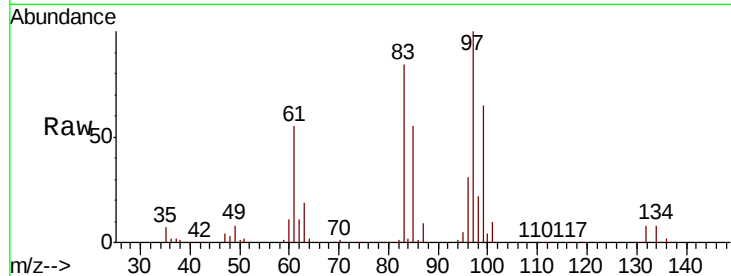


#47
 1,1,2-Trichloroethane
 Concen: 11.000 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 97 Resp: 1407869

Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.4	98.2
85	55.4	43.7	65.5
99	64.5	49.1	73.7



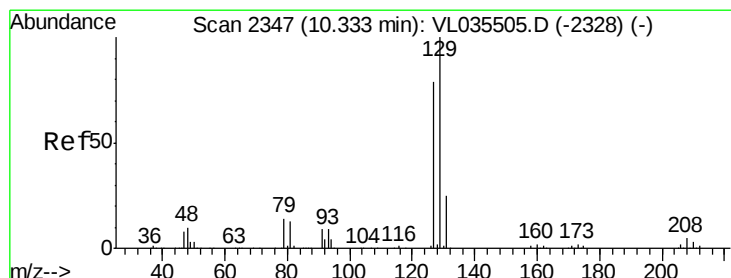
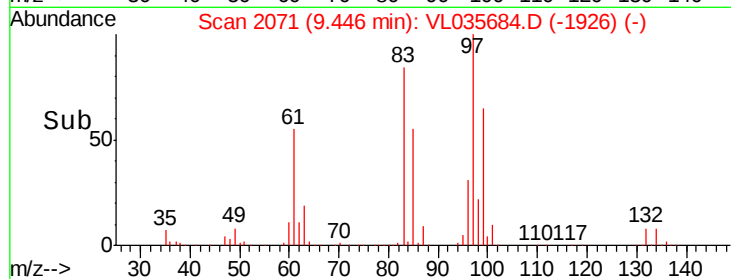
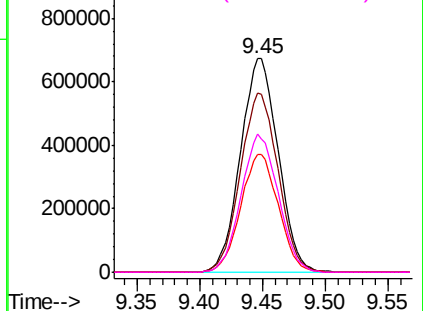
Abundance

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

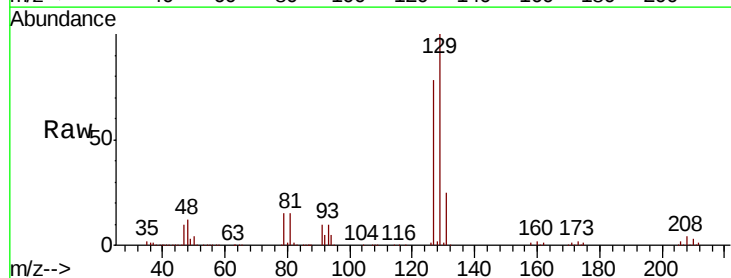
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.862 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 129 Resp: 2389460

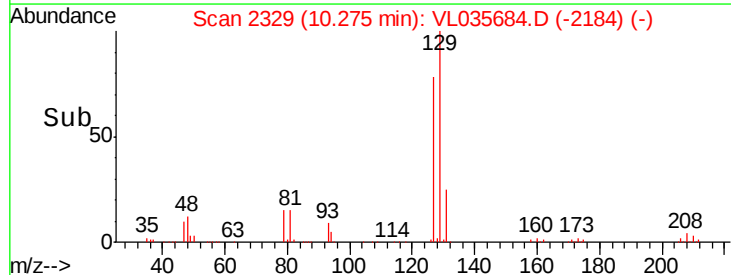
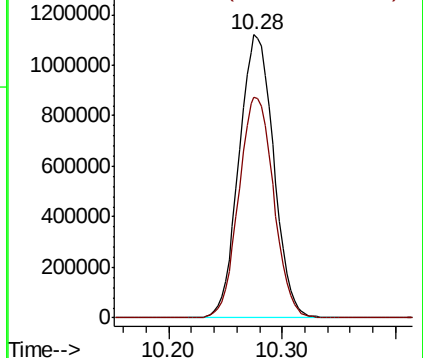
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

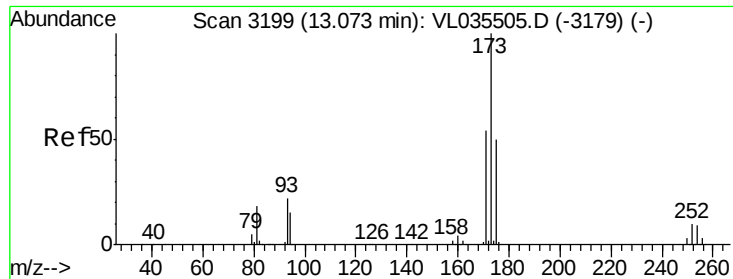


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.768 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

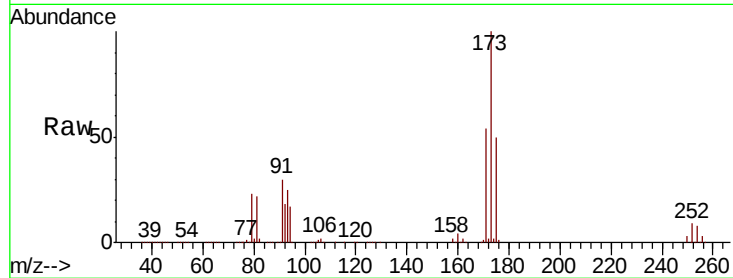
Tot Ion:173 Resp: 2148206

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.8

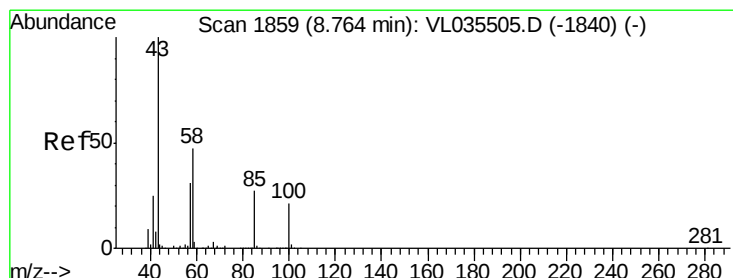
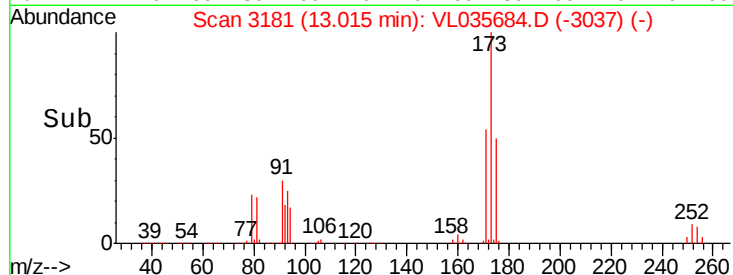
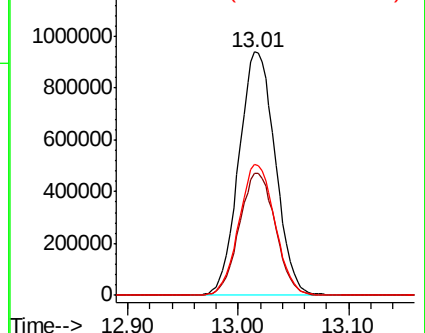
171 53.2 42.4 63.6



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: 12.069 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.03 min

Lab File: VL035684.D

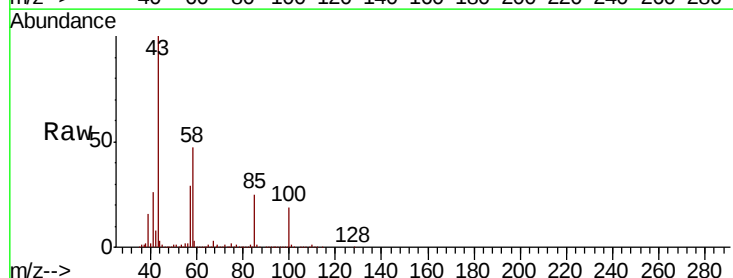
Acq: 21 Sep 2020 13:19

Tgt Ion: 43 Resp: 2057180

Ion Ratio Lower Upper

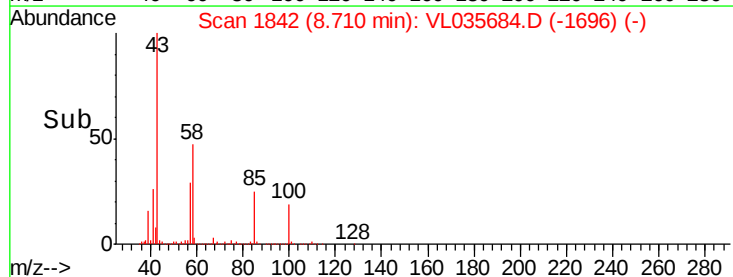
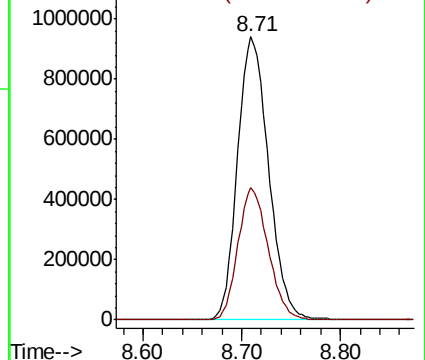
43 100

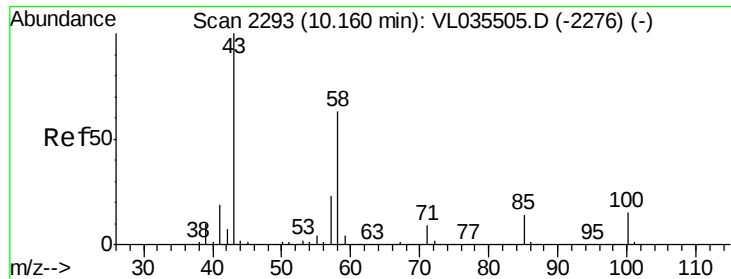
58 45.6 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

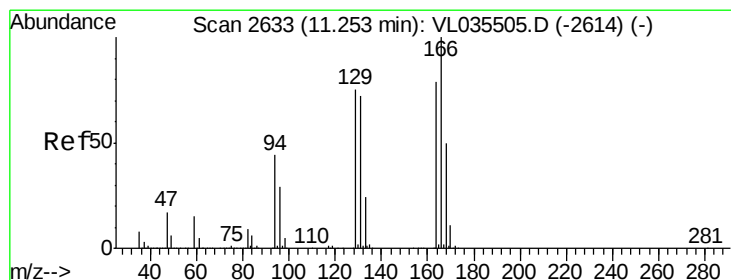
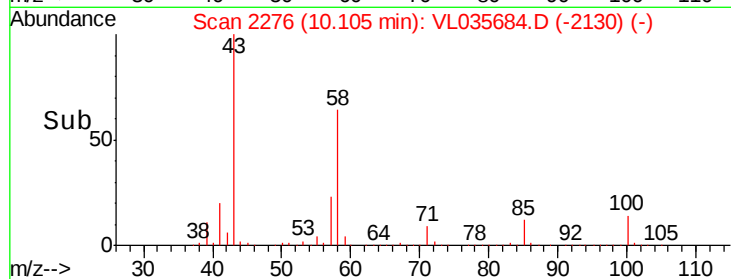
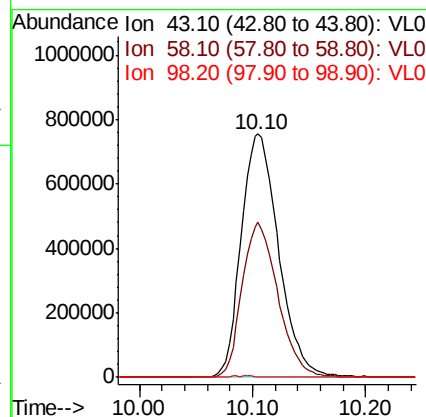
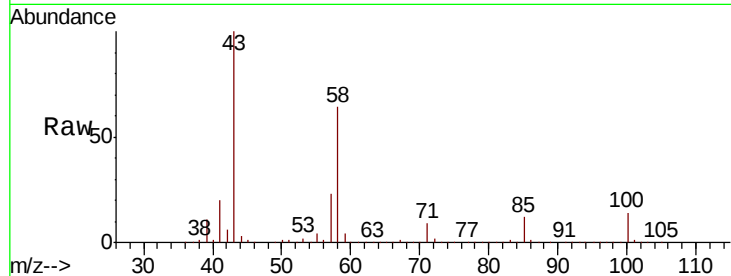




#51
2-Hexanone
Concen: 12.382 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

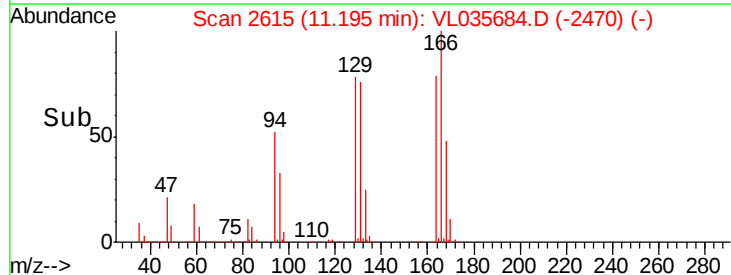
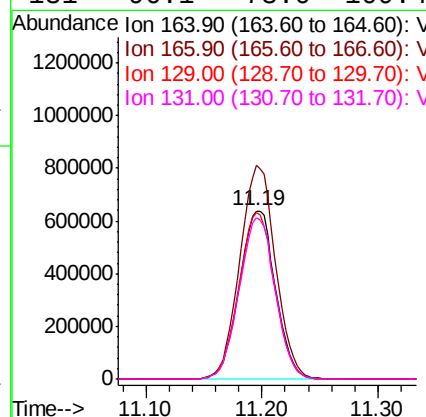
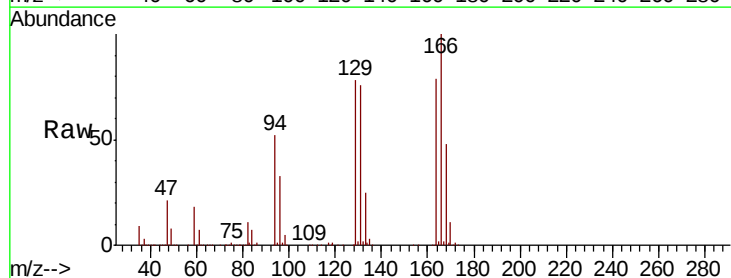
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

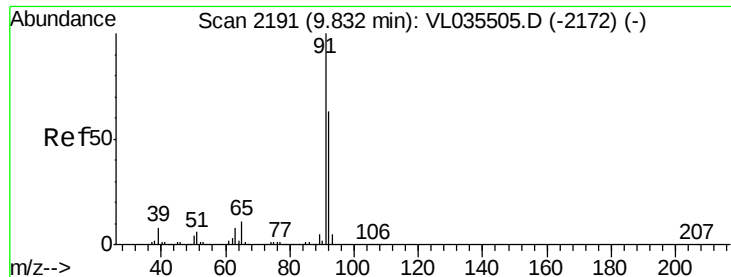
Tot Ion: 43 Resp: 1731312
Ion Ratio Lower Upper
43 100
58 61.4 50.2 75.4
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.160 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion:164 Resp: 1373951
Ion Ratio Lower Upper
164 100
166 127.2 100.9 151.3
129 99.0 75.3 112.9
131 96.1 73.0 109.4





#53

Toluene

Concen: 11.185 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

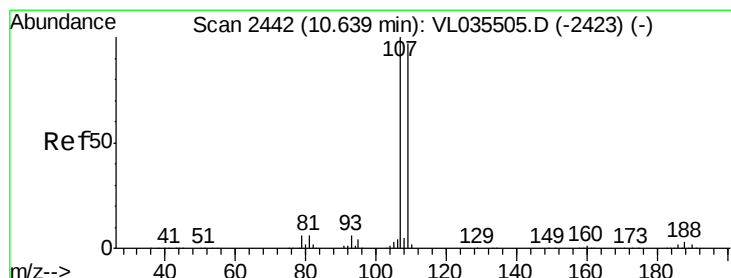
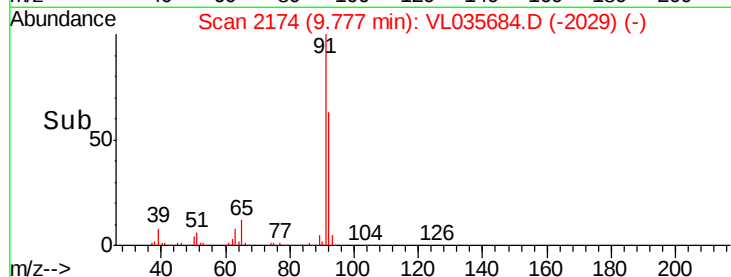
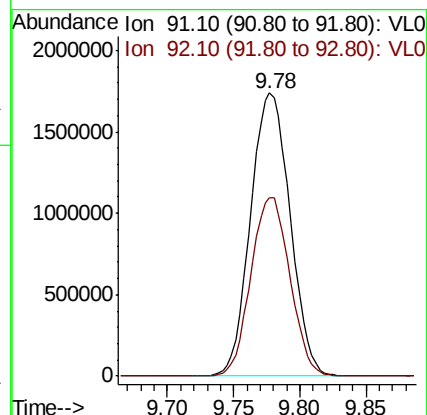
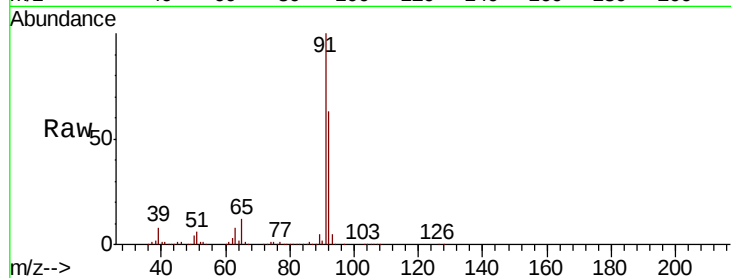
VL0921ABS01

Tot Ion: 91 Resp: 3611600

Ion Ratio Lower Upper

91 100

92 62.4 49.8 74.8



#54

1,2-Dibromoethane

Concen: 11.036 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL035684.D

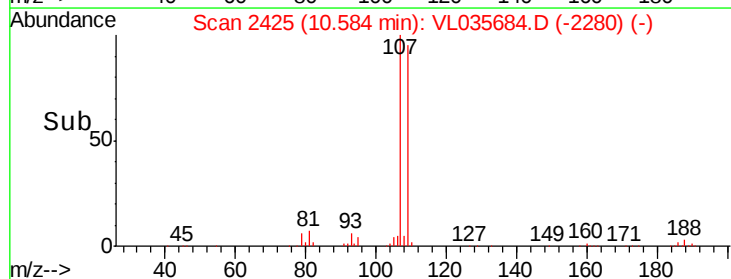
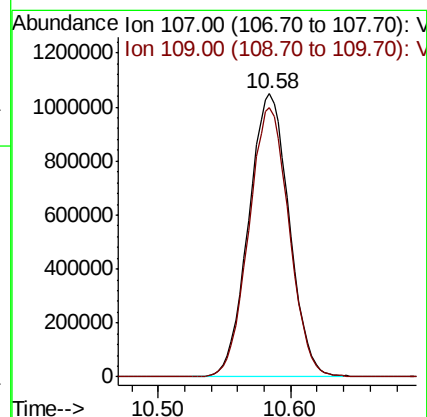
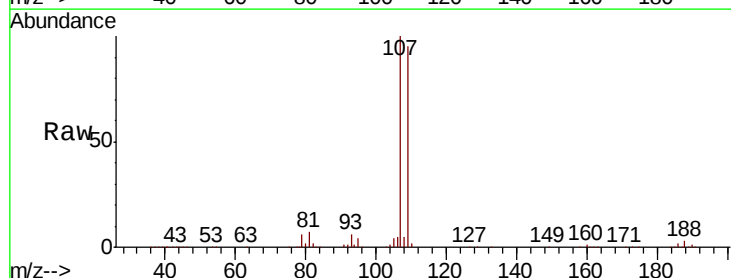
Acq: 21 Sep 2020 13:19

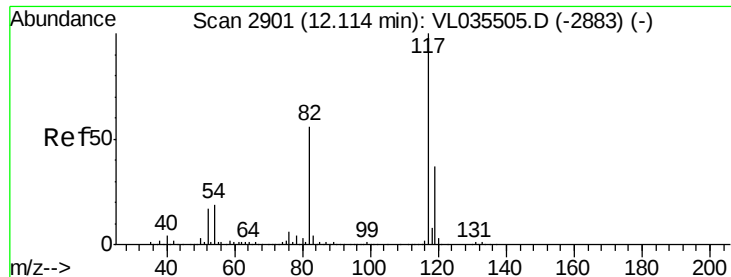
Tgt Ion: 107 Resp: 2231761

Ion Ratio Lower Upper

107 100

109 95.2 77.8 116.8

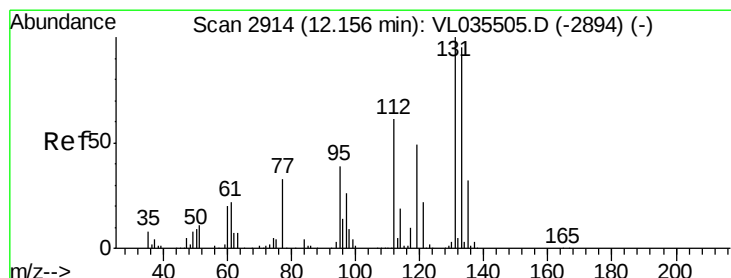
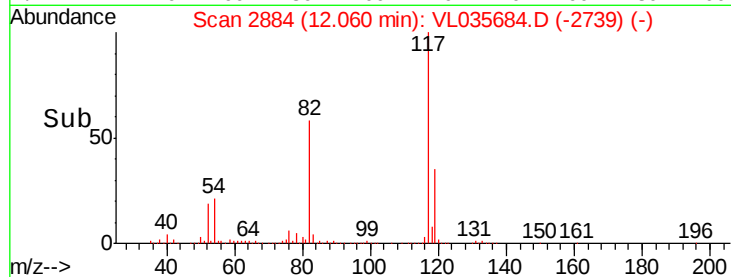
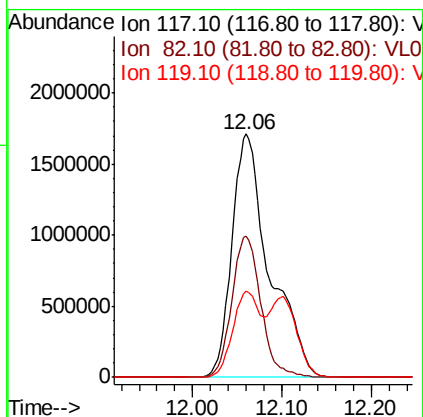
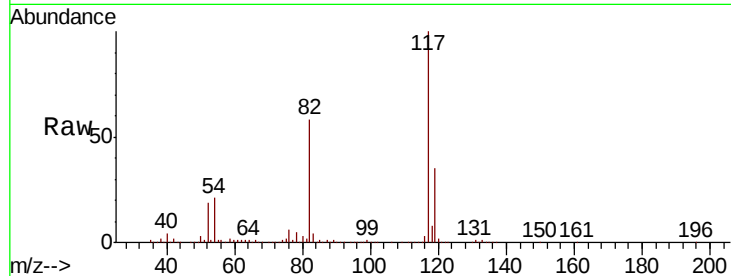




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

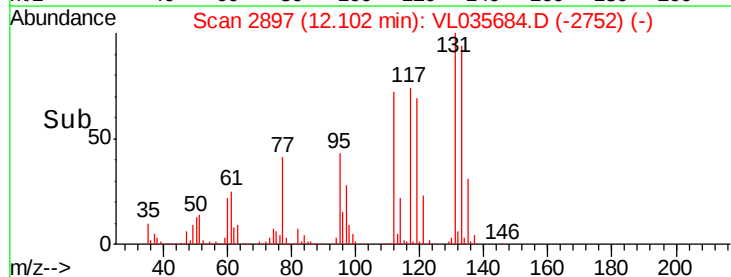
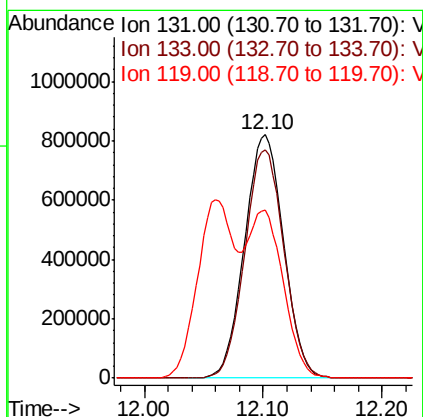
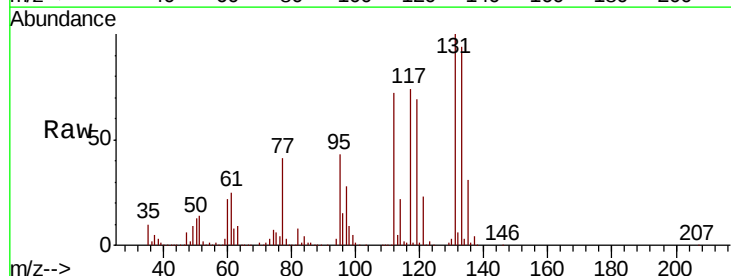
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

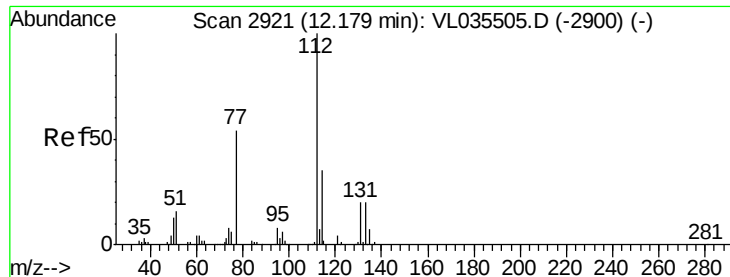
Tot Ion:117 Resp: 5009253
Ion Ratio Lower Upper
117 100
82 44.8 41.6 62.4
119 25.4 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.134 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion:131 Resp: 1861660
Ion Ratio Lower Upper
131 100
133 94.6 76.6 115.0
119 71.3 51.6 77.4





#57

Chlorobenzene

Concen: 8.344 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

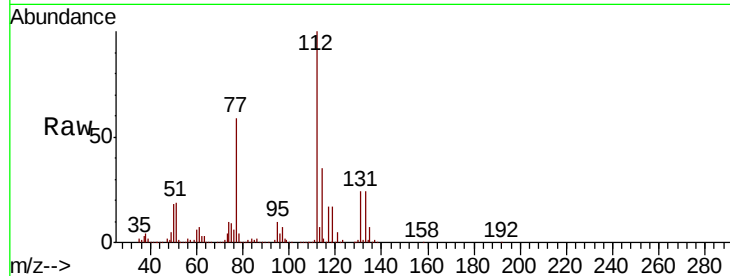
Tot Ion:112 Resp: 3076315

Ion Ratio Lower Upper

112 100

77 58.6 44.2 66.4

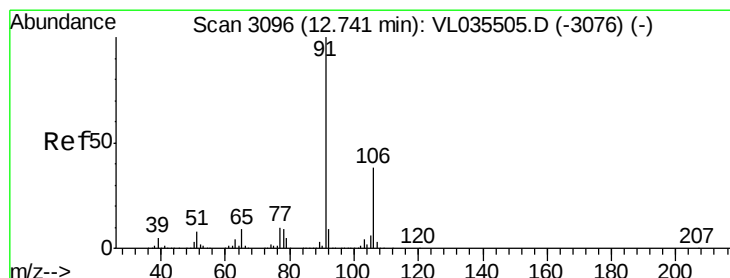
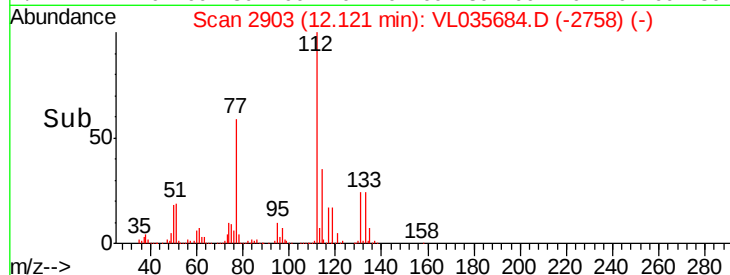
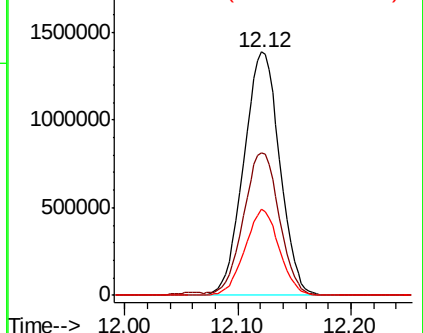
114 35.1 31.6 38.6



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: 9.172 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.04 min

Lab File: VL035684.D

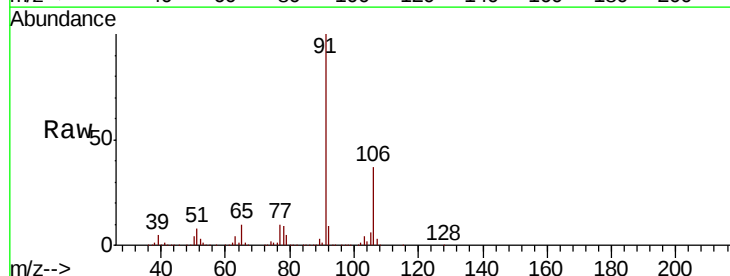
Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 4737805

Ion Ratio Lower Upper

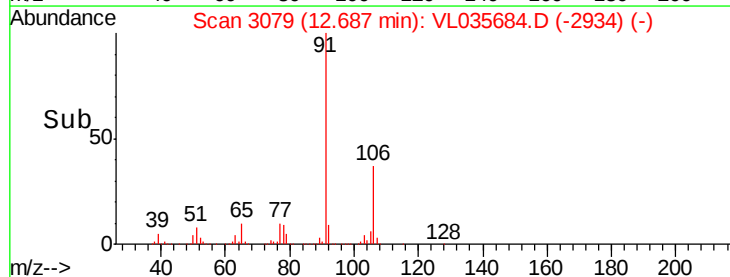
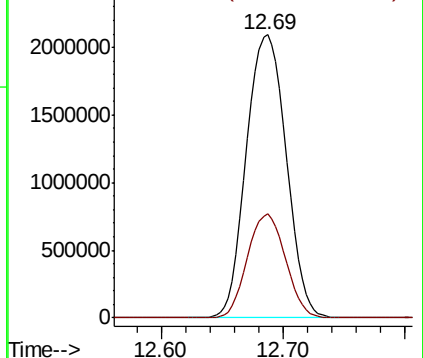
91 100

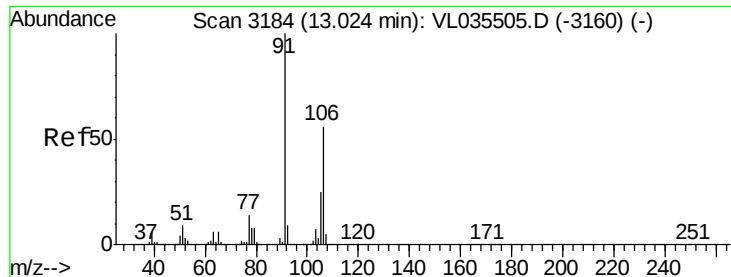
106 36.8 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

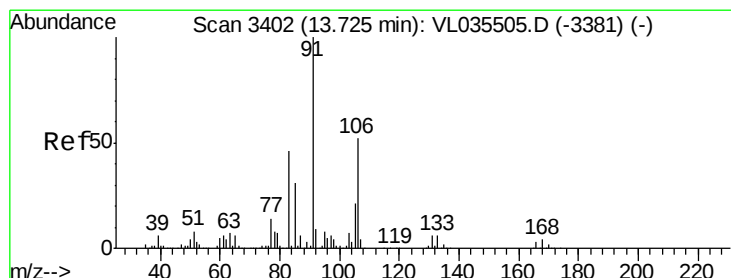
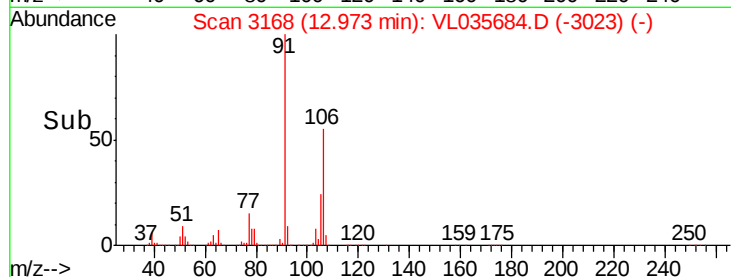
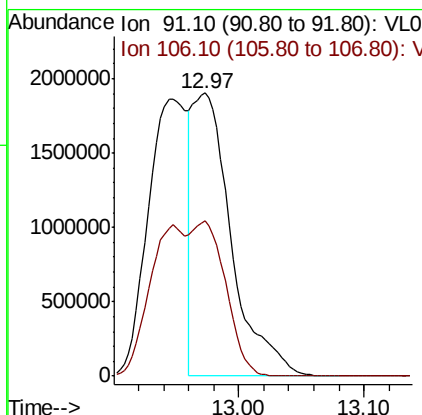
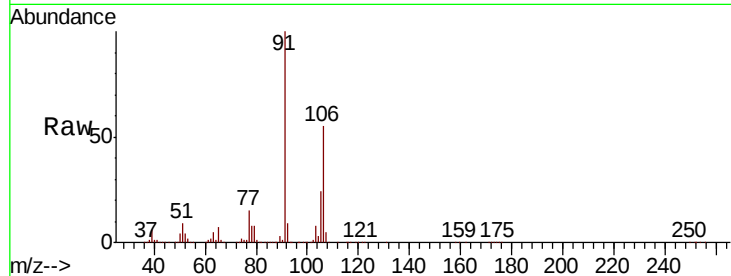




#59
m/p-Xylene
Concen: 9.449 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

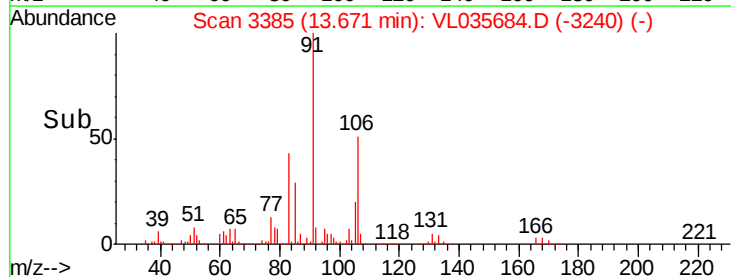
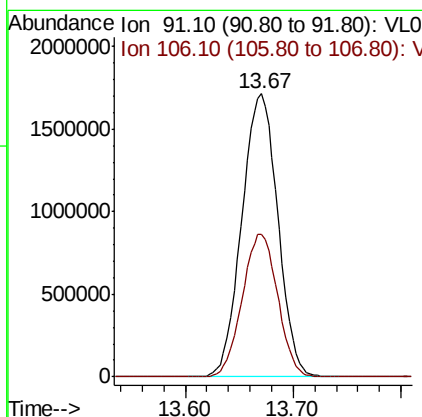
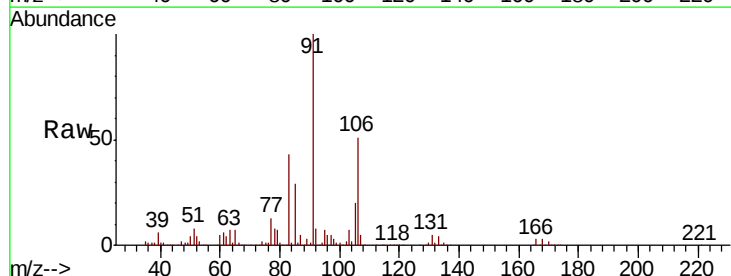
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

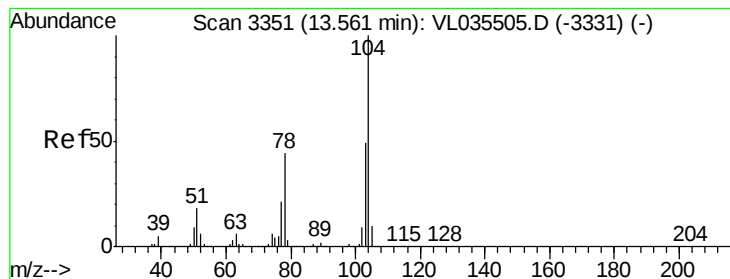
Tot Ion: 91 Resp: 4078480
Ion Ratio Lower Upper
91 100
106 99.8 43.4 65.2#



#60
o-Xylene
Concen: 9.129 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 3968579
Ion Ratio Lower Upper
91 100
106 49.8 25.8 77.4





#61

Stvrene

Concen: 9.437 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

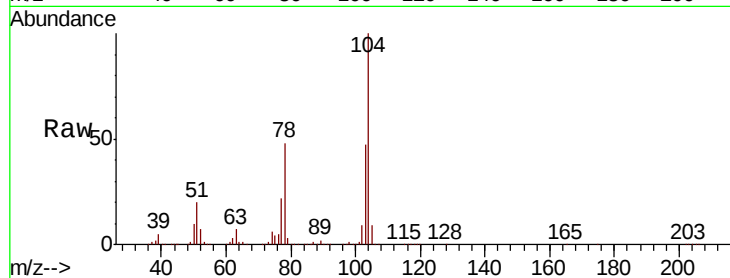
Tot Ion:104 Resp: 3137581

Ion Ratio Lower Upper

104 100

78 46.1 34.8 52.2

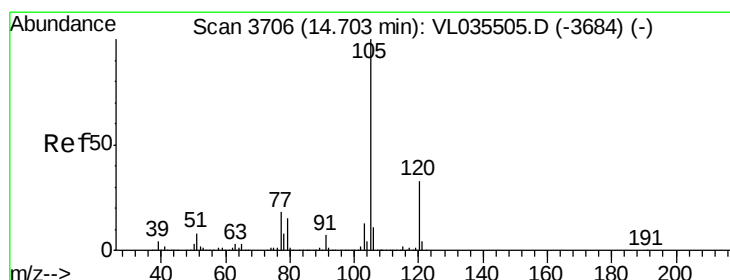
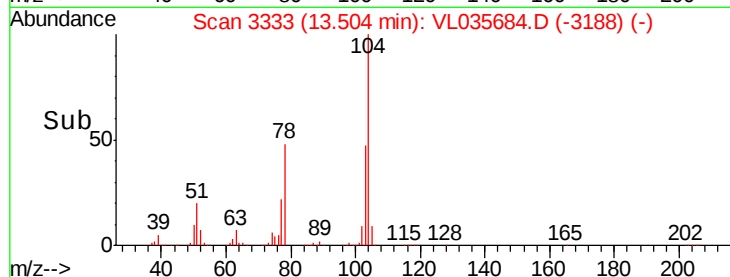
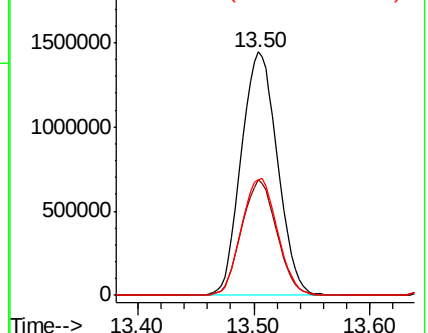
103 47.9 38.2 57.4



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: 8.617 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.03 min

Lab File: VL035684.D

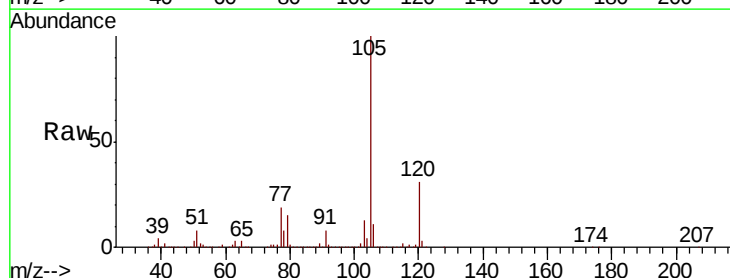
Acq: 21 Sep 2020 13:19

Tgt Ion:105 Resp: 6017349

Ion Ratio Lower Upper

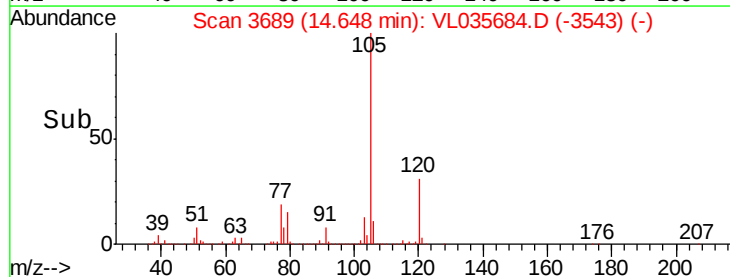
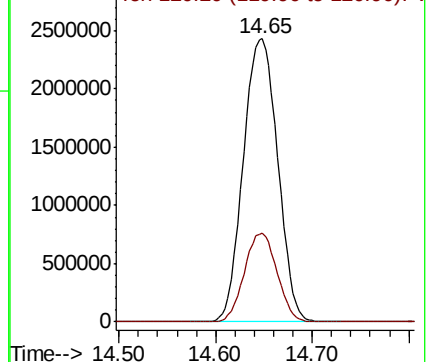
105 100

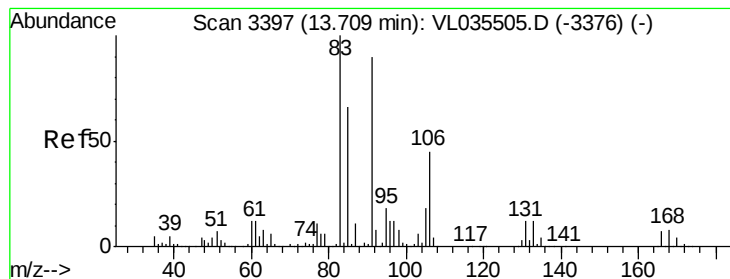
120 29.7 25.0 37.4



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: 8.566 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

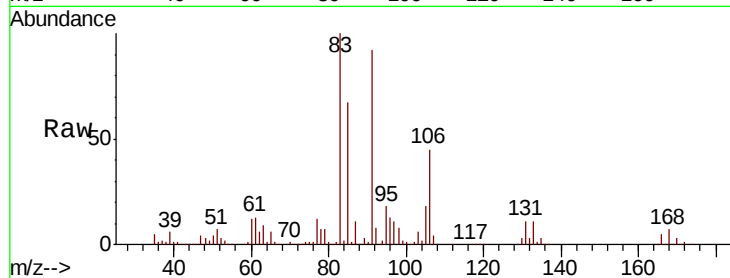
Tot Ion: 83 Resp: 2886933

Ion Ratio Lower Upper

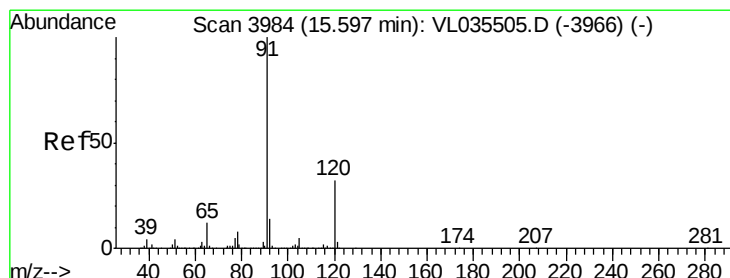
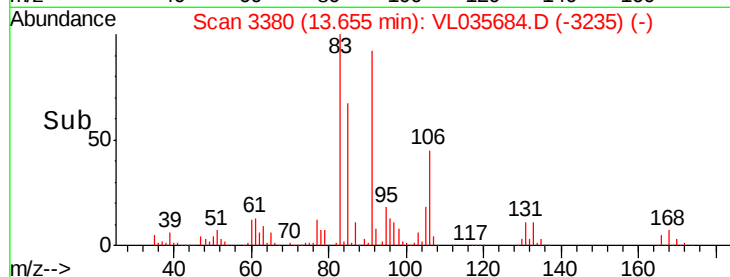
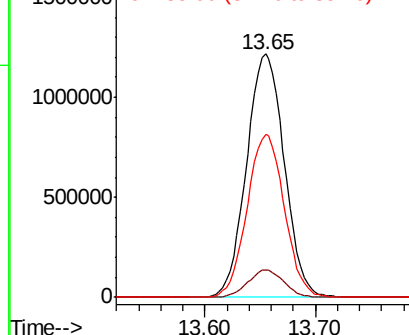
83 100

131 10.8 6.0 18.0

85 66.4 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.730 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.04 min

Lab File: VL035684.D

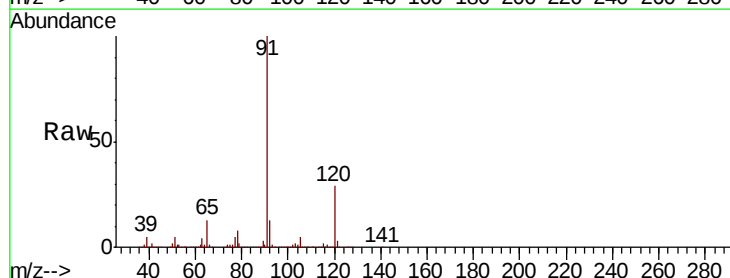
Acq: 21 Sep 2020 13:19

Tgt Ion:120 Resp: 1860525

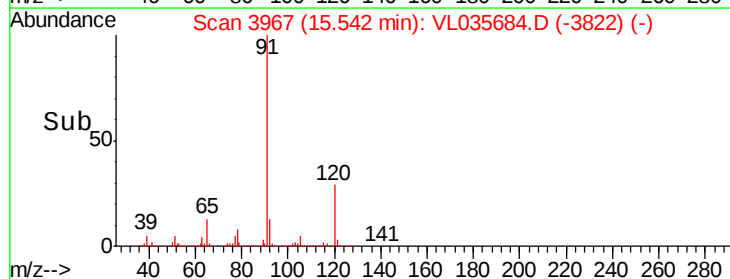
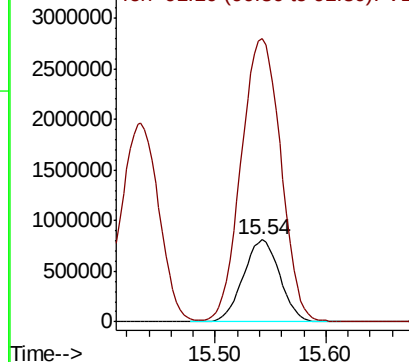
Ion Ratio Lower Upper

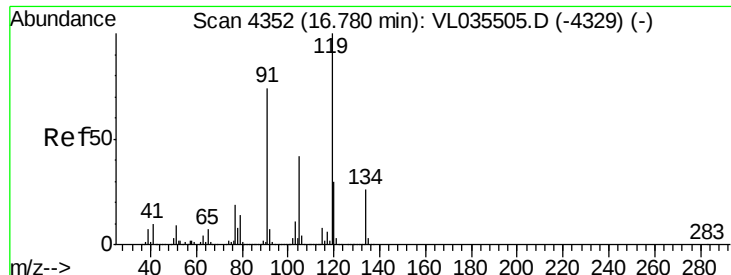
120 100

91 376.3 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.617 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleID :

VL0921ABS01

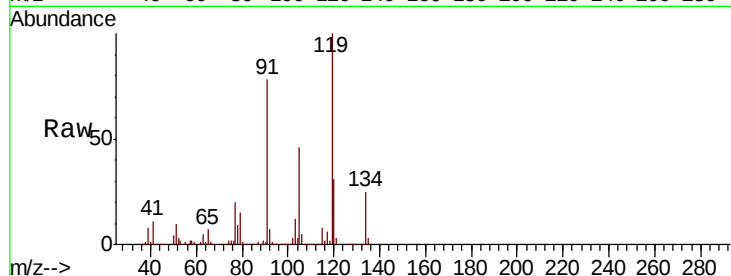
Tot Ion:119 Resp: 5593786

Ion Ratio Lower Upper

119 100

91 77.5 58.6 87.8

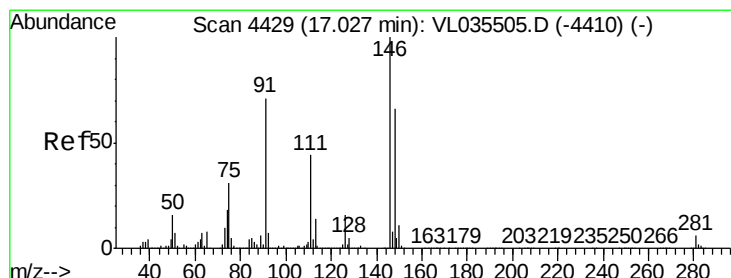
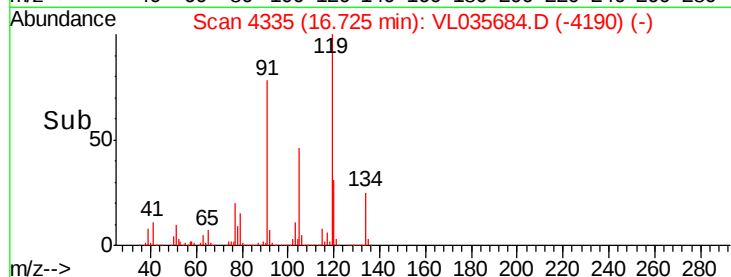
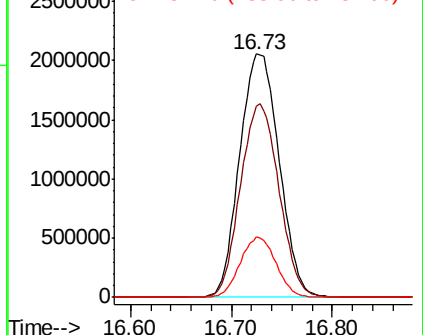
134 22.5 18.9 28.3



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: 13.829 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

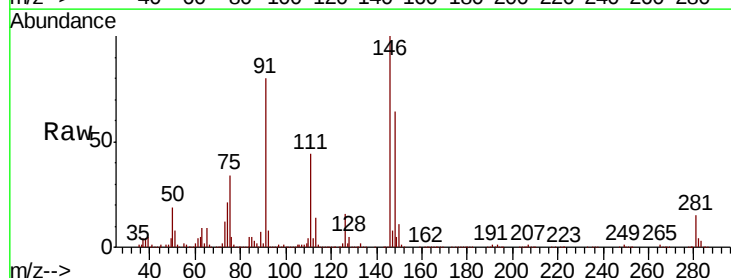
Tgt Ion: 91 Resp: 2231095

Ion Ratio Lower Upper

91 100

126 19.7 17.2 25.8

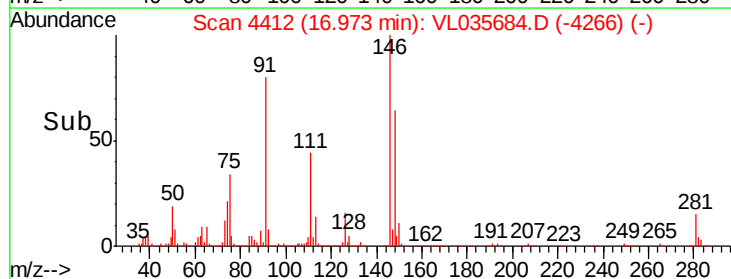
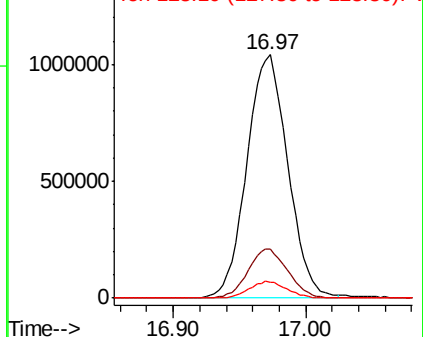
128 6.4 5.5 8.3

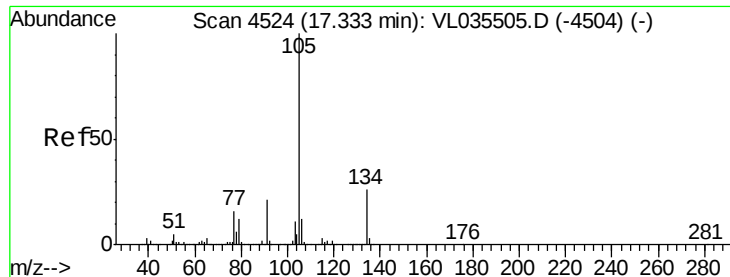


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.714 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

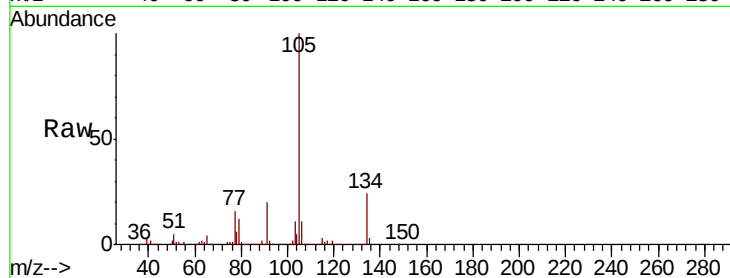
VL0921ABS01

Tot Ion:105 Resp: 7536619

Ion Ratio Lower Upper

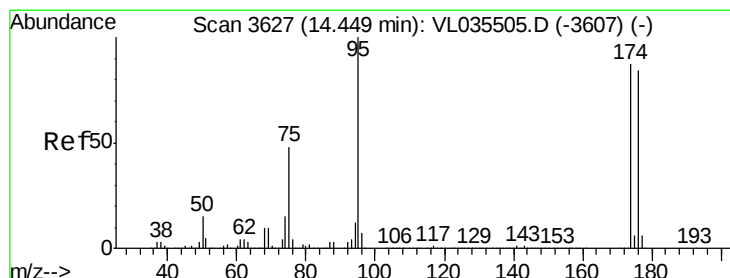
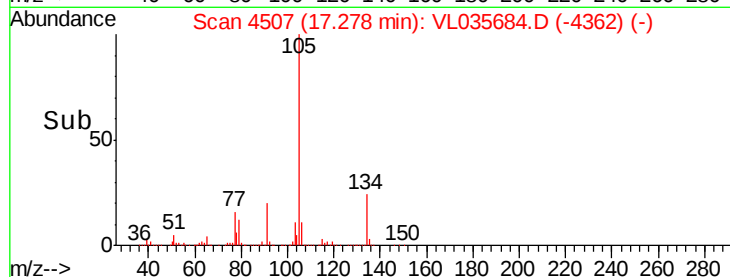
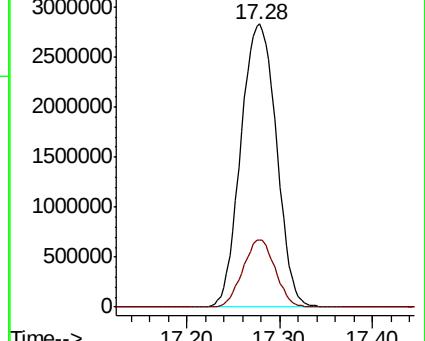
105 100

134 21.8 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.150 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

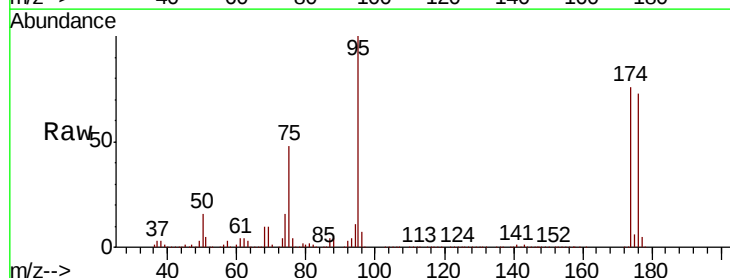
Tgt Ion: 95 Resp: 2899250

Ion Ratio Lower Upper

95 100

174 75.8 69.6 104.4

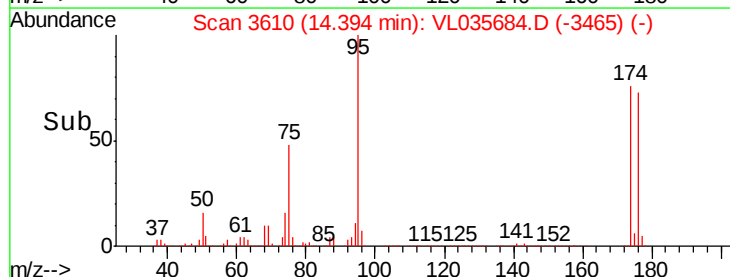
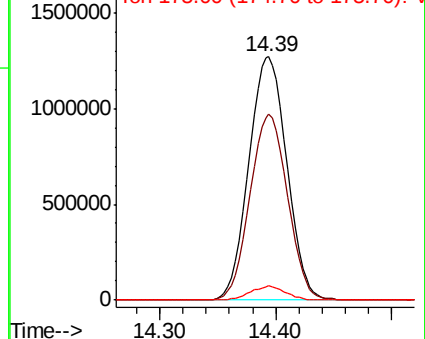
175 5.4 5.1 7.7

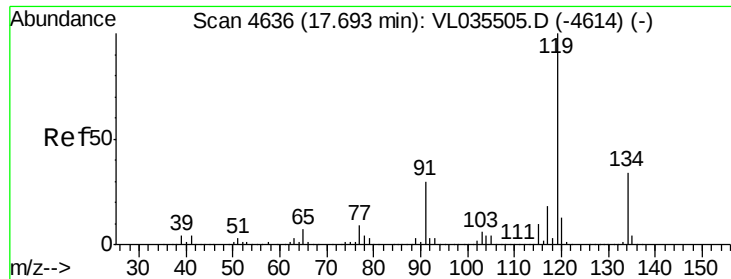


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

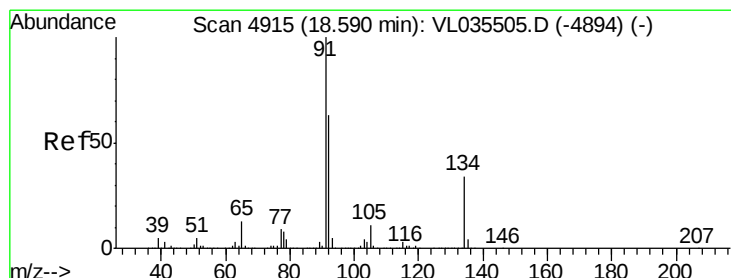
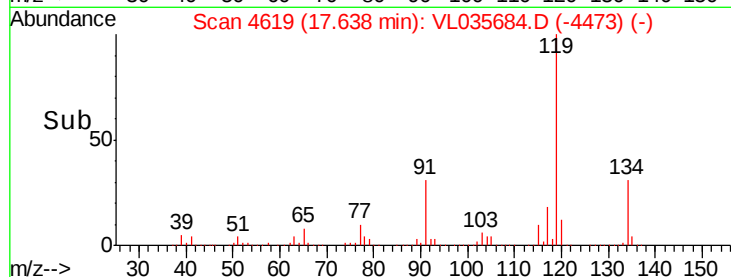
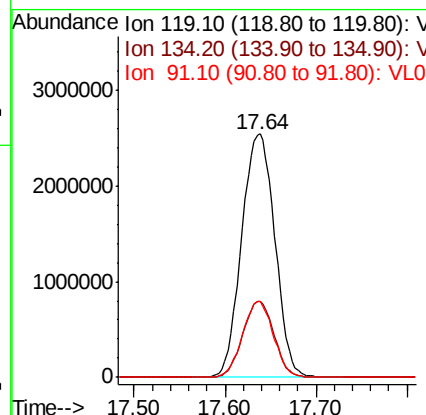
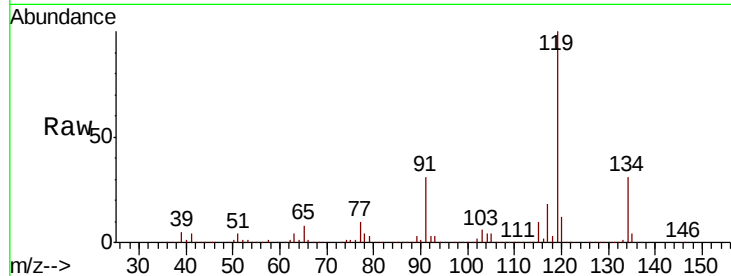




#69
 p-Isopropyltoluene
 Concen: 8.489 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

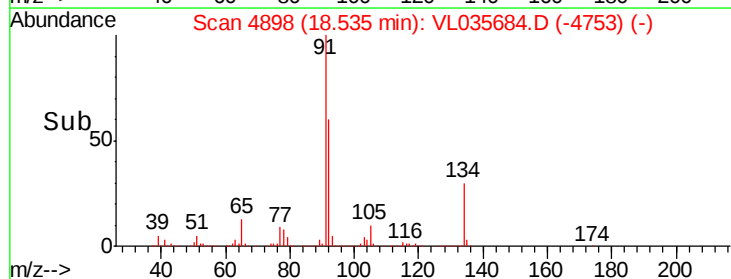
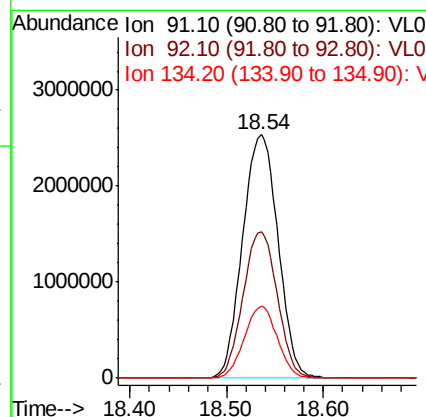
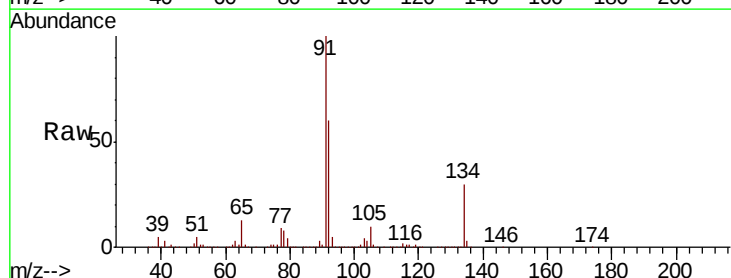
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

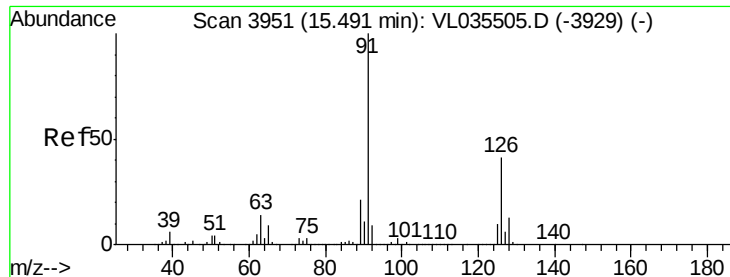
Tot Ion:119 Resp: 6440006
 Ion Ratio Lower Upper
 119 100
 134 29.4 25.0 37.4
 91 29.1 22.3 33.5



#70
 n-Butylbenzene
 Concen: 8.841 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 6460570
 Ion Ratio Lower Upper
 91 100
 92 58.1 47.3 70.9
 134 27.4 24.6 37.0

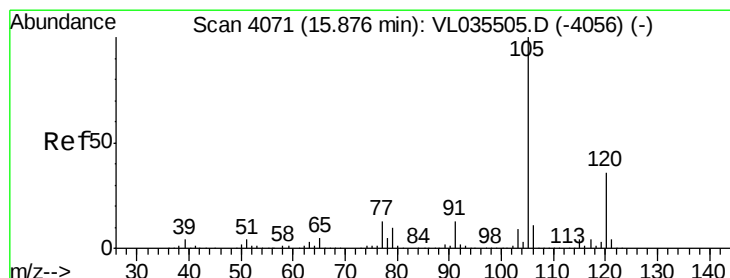
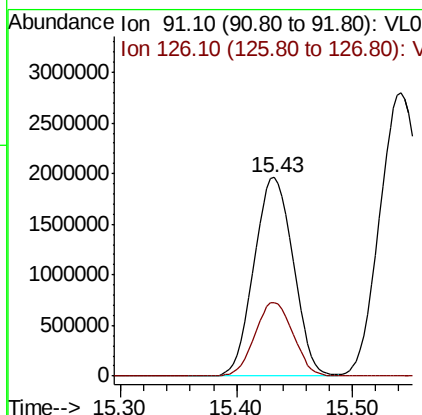
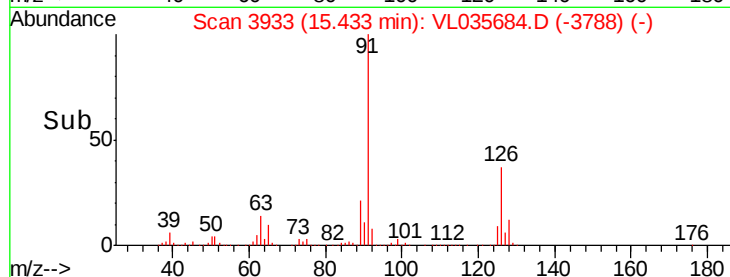
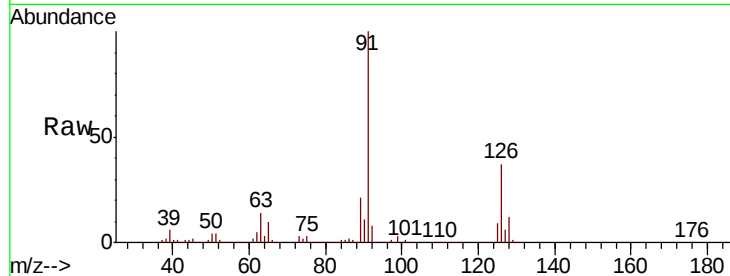




#71
 2-Chlorotoluene
 Concen: 9.107 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

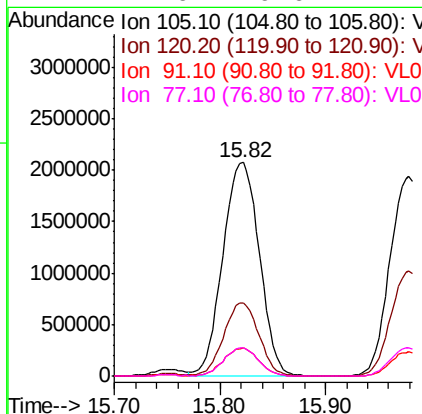
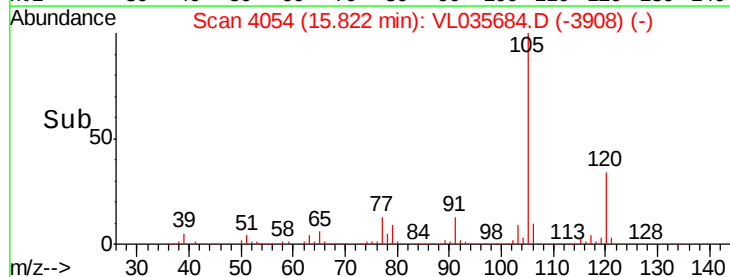
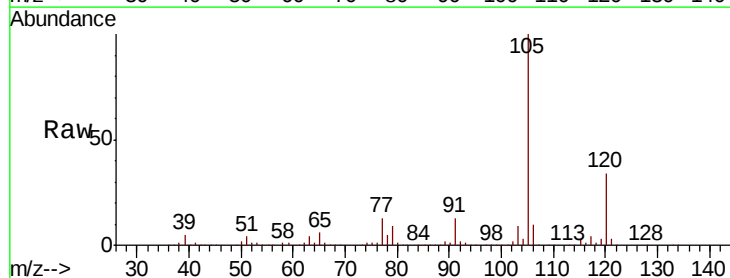
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

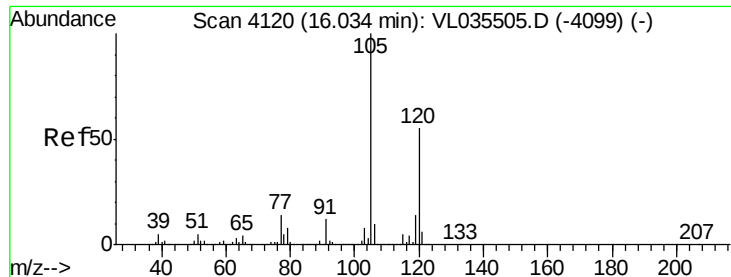
Tot Ion: 91 Resp: 4631414
 Ion Ratio Lower Upper
 91 100
 126 36.2 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 9.003 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:105 Resp: 4975818
 Ion Ratio Lower Upper
 105 100
 120 32.8 27.4 41.2
 91 12.5 9.7 14.5
 77 12.6 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 9.066 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

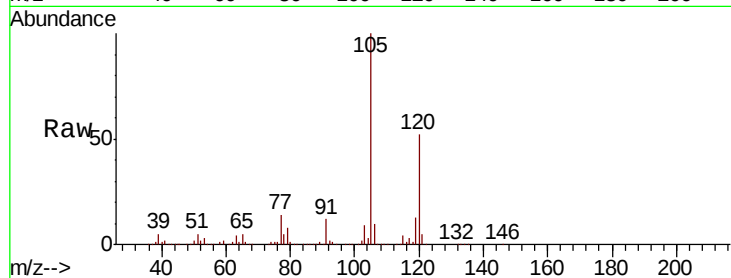
VL0921ABS01

Tot Ion:105 Resp: 4634336

Ion Ratio Lower Upper

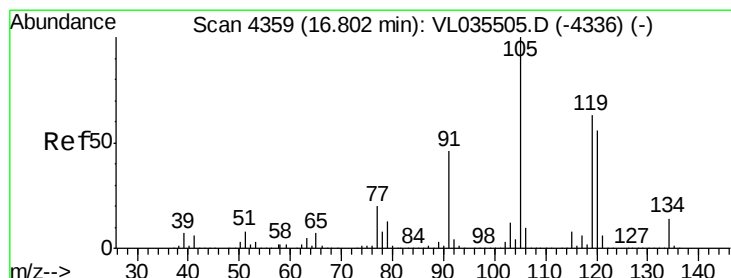
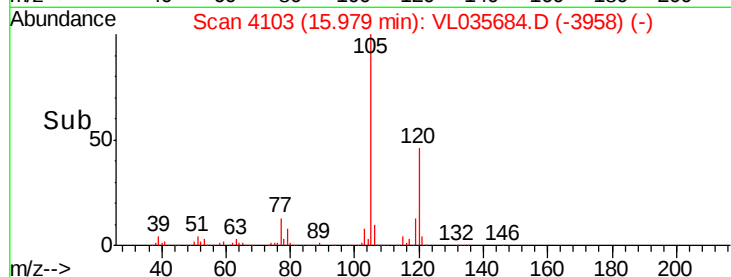
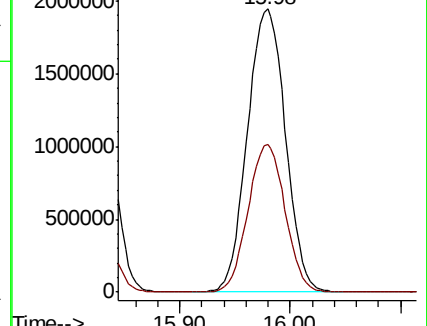
105 100

120 52.4 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.618 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion:105 Resp: 4837791

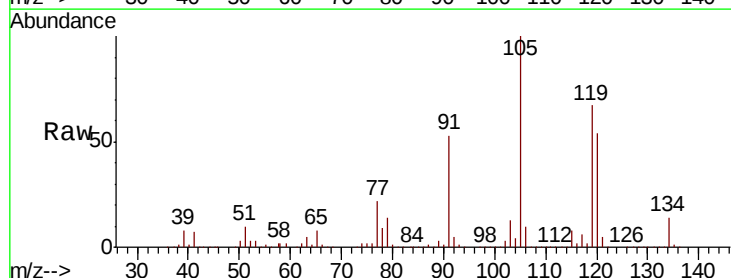
Ion Ratio Lower Upper

105 100

120 54.4 44.4 66.6

91 53.0 37.1 55.7

77 21.7 16.0 24.0

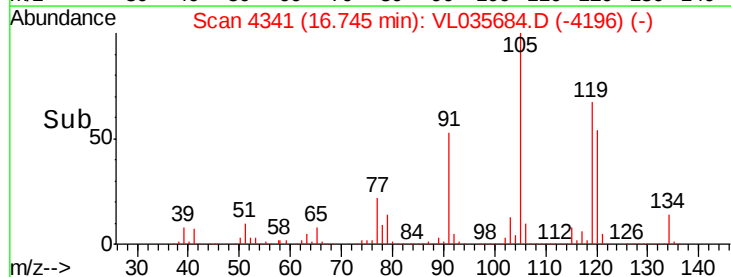
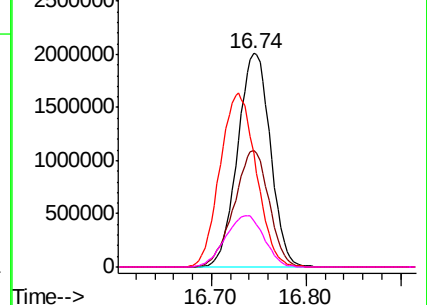


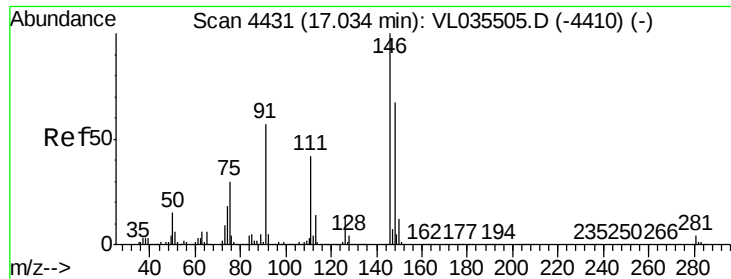
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 7.810 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

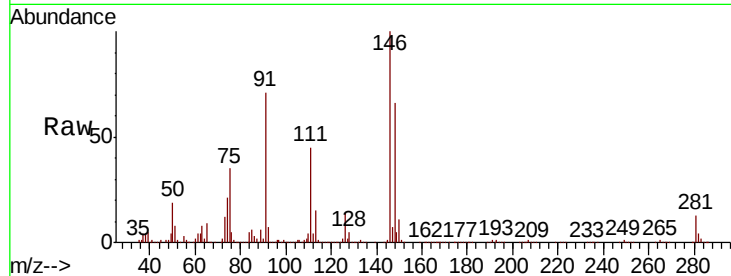
Tot Ion:146 Resp: 3247650

Ion Ratio Lower Upper

146 100

111 43.9 20.7 62.1

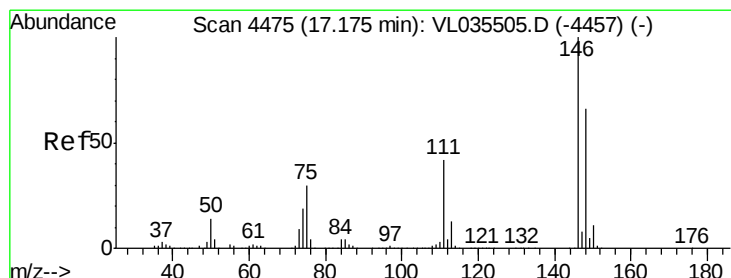
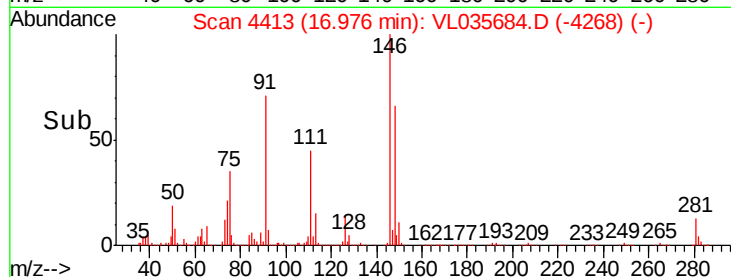
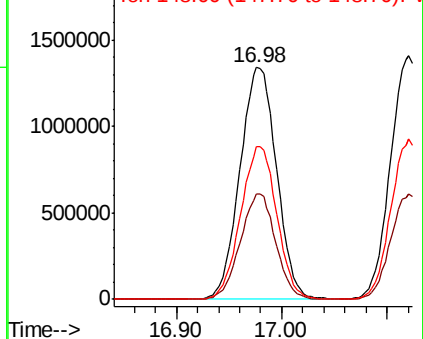
148 65.0 33.0 98.9



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: 8.017 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

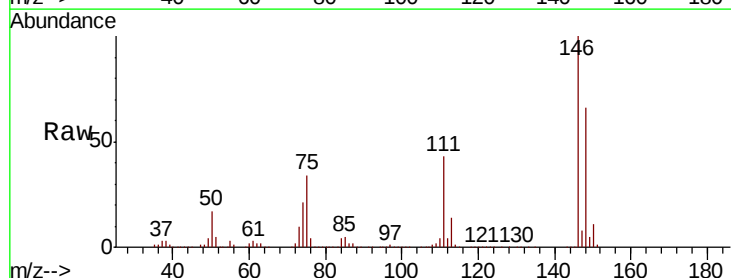
Tgt Ion:146 Resp: 3287656

Ion Ratio Lower Upper

146 100

111 42.5 20.0 60.0

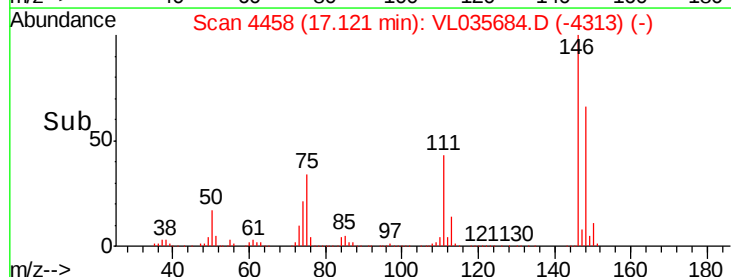
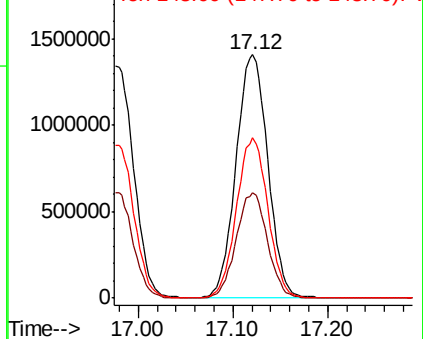
148 65.2 33.2 99.6

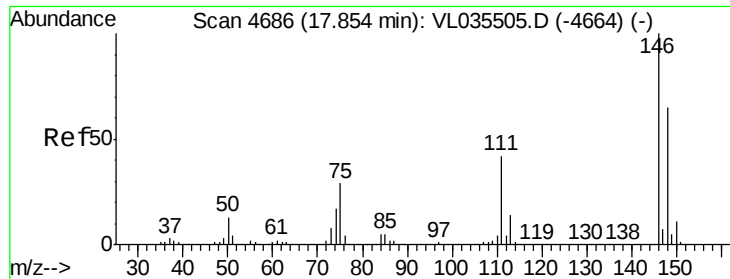


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

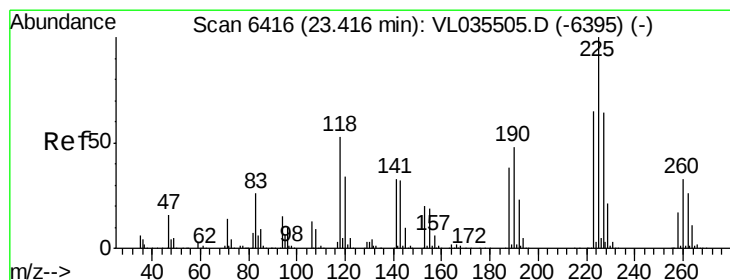
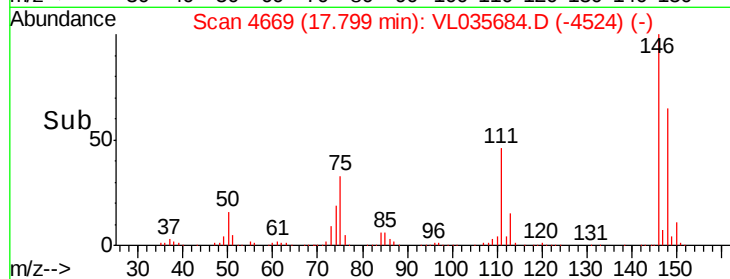
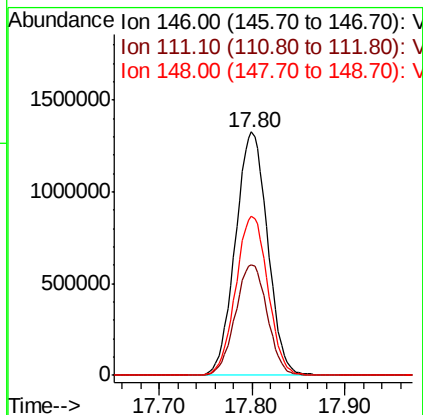
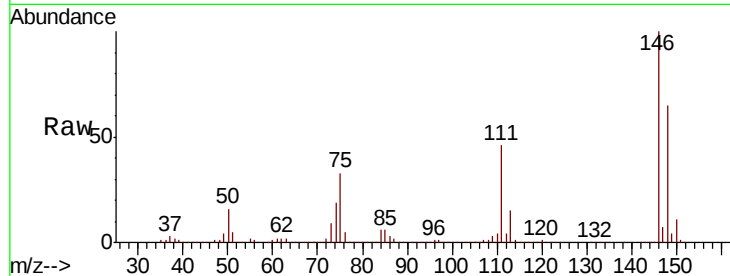




#77
 1,2-Dichlorobenzene
 Concen: 7.917 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

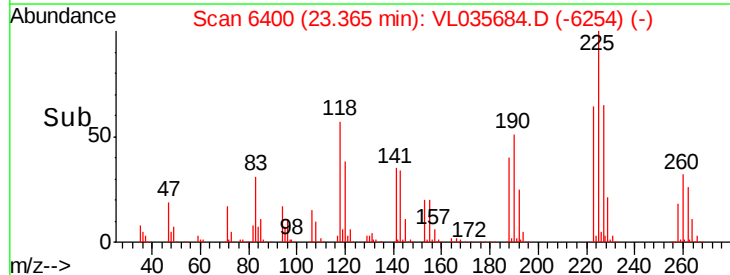
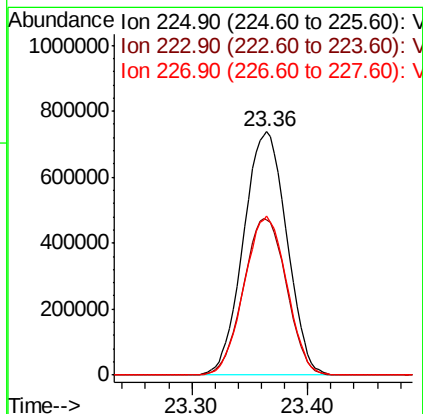
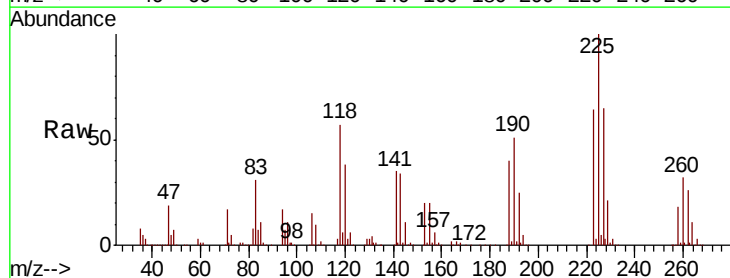
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

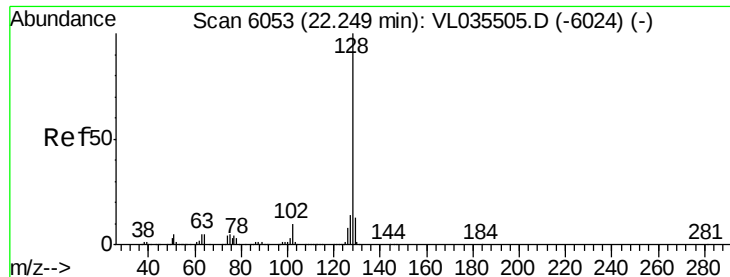
Tot Ion:146 Resp: 3189614
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.1 63.3
 148 65.4 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.439 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:225 Resp: 1913251
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.7 77.5
 227 64.5 51.5 77.3





#79

Naphthalene

Concen: 8.702 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

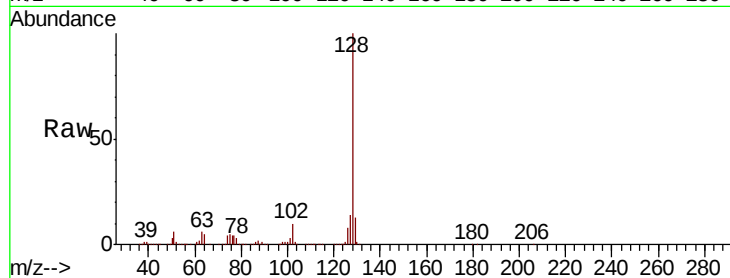
Tot Ion:128 Resp: 5420300

Ion Ratio Lower Upper

128 100

127 13.7 11.4 17.2

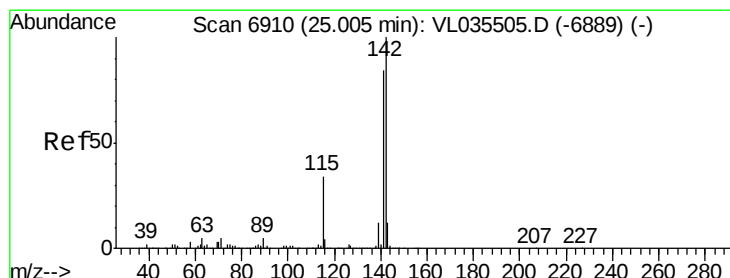
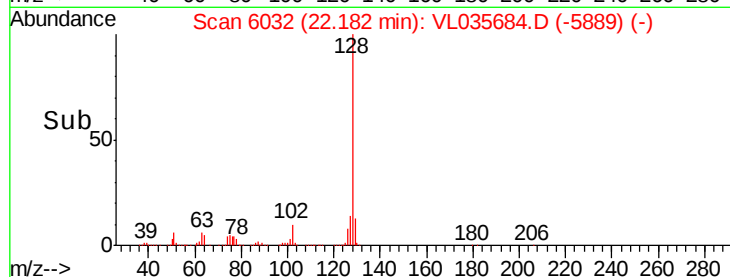
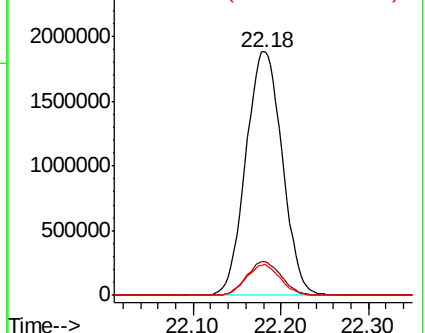
129 12.5 10.5 15.7



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: 9.277 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

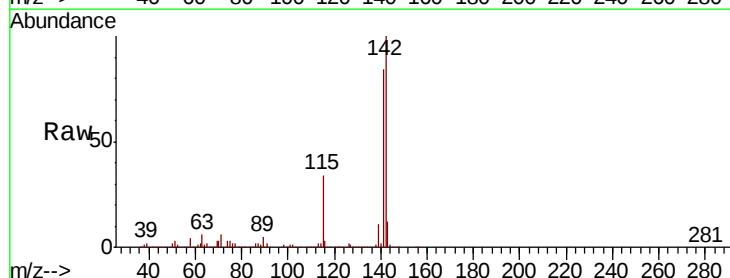
Tgt Ion:142 Resp: 1972288

Ion Ratio Lower Upper

142 100

141 84.4 67.6 101.4

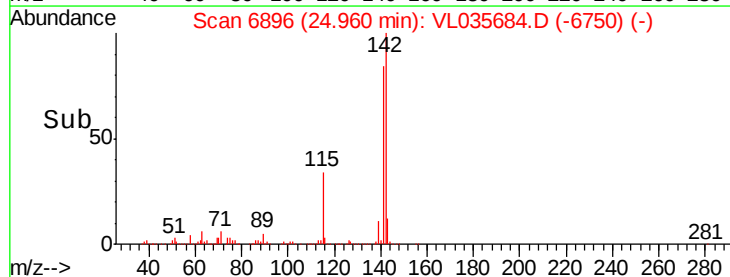
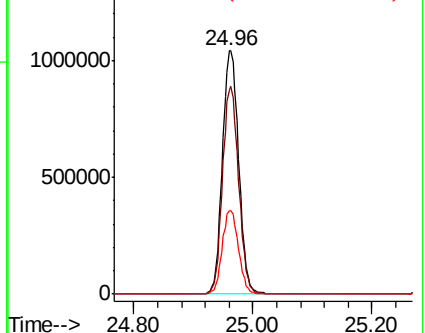
115 34.5 25.8 38.8

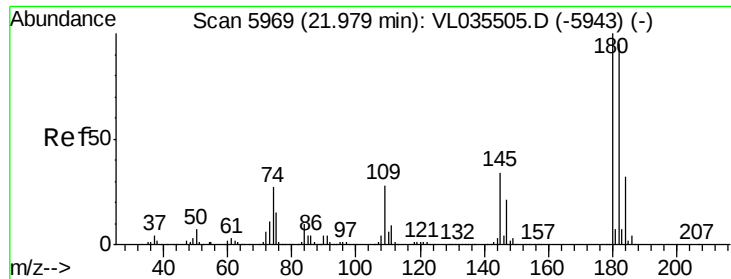


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

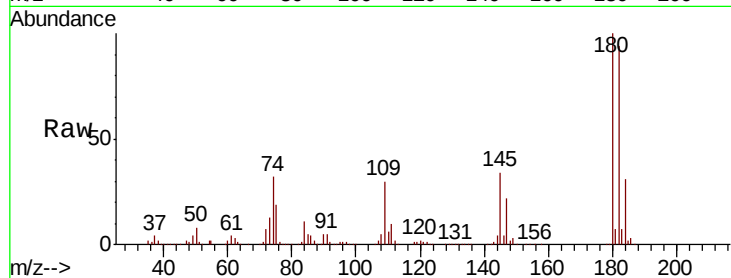




#81
 1,2,4-Trichlorobenzene
 Concen: 7.508 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:180 Resp: 2800593
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 31.1 25.3 37.9



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

