

Data File : VL035598.D
Acq On : 14 Sep 2020 14:05
Operator : SY/AP
Sample : VL0914ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0914ABS01

Quant Time: Sep 15 10:30:49 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	5.66	49	1058928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4380202	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5585770	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3346506	8.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1425068	7.766	ppbv	99
3) Chlorodifluoromethane	2.98	51	1103704	9.424	ppbv	99
4) Chloromethane	3.13	50	613774	9.782	ppbv	99
5) Vinyl Chloride	3.25	62	713577	9.224	ppbv	99
6) Bromomethane	3.46	94	632243	9.730	ppbv	97
7) Chloroethane	3.55	64	271586	9.930	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2075500	9.339	ppbv	95
9) Propene	3.00	41	428479	9.490	ppbv	100
10) Heptane	8.12	43	1236147	10.193	ppbv	100
11) Trichlorofluoromethane	3.94	101	2509503	9.377	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1919255	9.502	ppbv	95
13) Ethanol	3.59	45	94838	8.472	ppbv	98
14) Bromoethene	3.73	108	840036	9.662	ppbv	99
15) Acetone	3.84	43	1186118	10.156	ppbv	98
16) 1,3-Butadiene	3.32	39	441523	10.156	ppbv	100
17) tert-Butyl alcohol	4.29	59	1235371	8.690	ppbv	100
18) 1,1-Dichloroethene	4.28	96	881957	9.916	ppbv	98
19) Isopropyl Alcohol	3.96	45	623579	8.950	ppbv #	97
20) Methylene Chloride	4.34	84	783764	9.010	ppbv	96
21) Allyl Chloride	4.40	41	586925	10.727	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	924963	9.768	ppbv	96
23) Vinyl Acetate	5.07	43	1600875	10.680	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1490593	9.663	ppbv	99
25) Ethyl Acetate	5.67	43	2010667	9.745	ppbv	100
26) Hexane	5.68	57	1151852	9.853	ppbv	99
27) Carbon Disulfide	4.54	76	1891591	11.276	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1972222	9.680	ppbv	99
29) Chloroform	5.75	83	2314067	9.715	ppbv	100
30) Cyclohexane	7.13	84	1263935	10.092	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1208352	10.075	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2277188	9.855	ppbv	98
34) 2-Butanone	5.24	43	1390934	10.700	ppbv	99
35) Carbon Tetrachloride	7.02	117	2383775	10.828	ppbv	99
36) Benzene	6.89	78	2932471	10.342	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1410329	10.433	ppbv	99
38) Trichloroethene	7.84	130	1521193	9.236	ppbv	96
39) 1,2-Dichloropropane	7.62	63	988974	10.325	ppbv	97
40) 1,4-Dioxane	7.83	88	512312	10.707	ppbv	87
41) Tetrahydrofuran	6.05	42	764775	11.095	ppbv	99
42) Bromodichloromethane	7.79	83	2419334	11.067	ppbv	98
43) Methyl Methacrylate	8.02	69	1245477	11.360	ppbv	99

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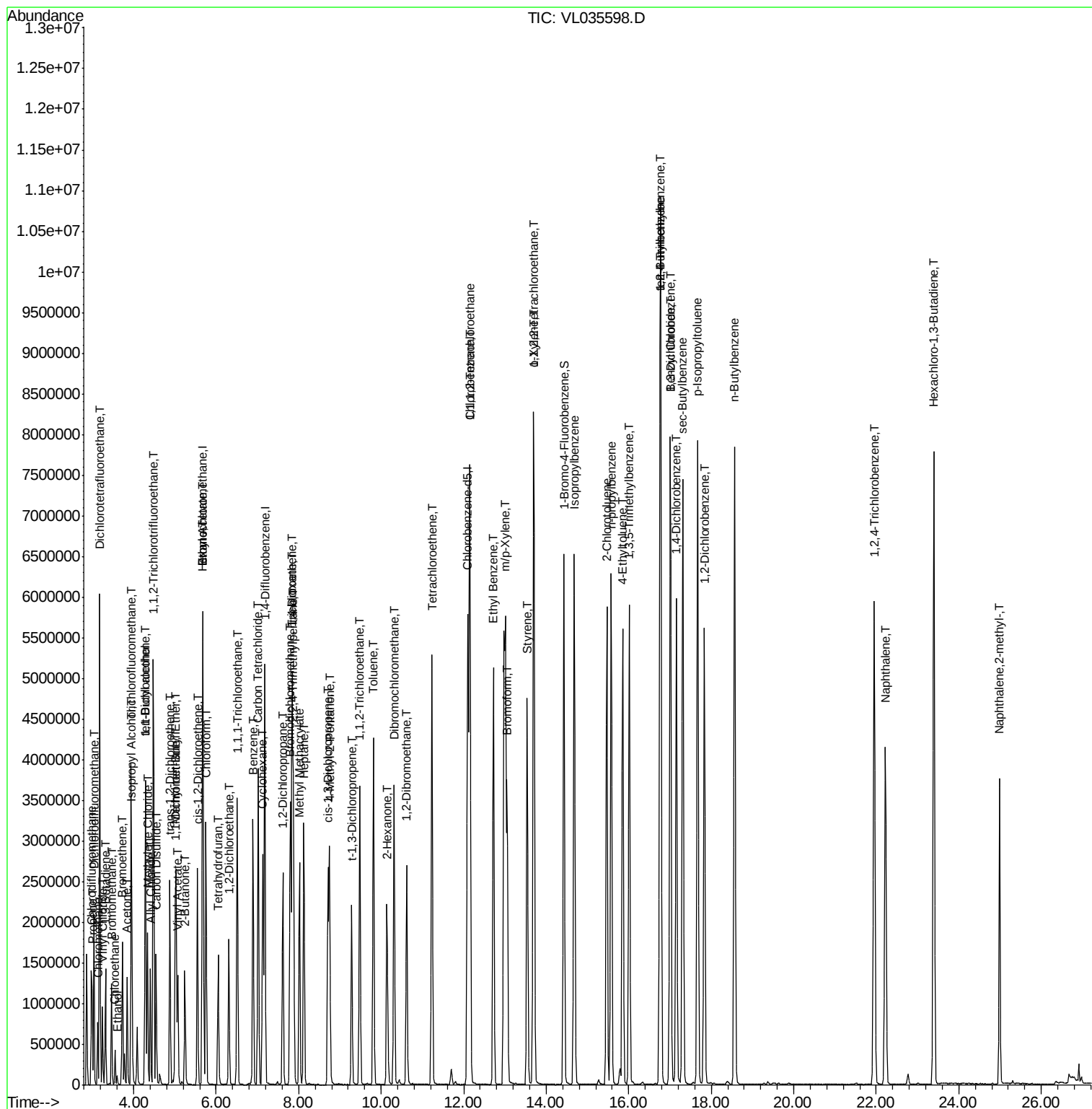
Quant Time: Sep 15 10:30:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

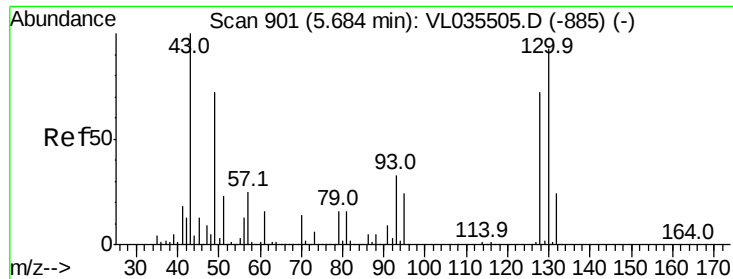
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3864917	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1382464	12.447	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1644755	11.927	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1448448	10.248	ppbv	98
48) Dibromochloromethane	10.31	129	2480678	11.152	ppbv	100
49) Bromoform	13.05	173	2241950	11.121	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2092262	11.115	ppbv	100
51) 2-Hexanone	10.14	43	1822528	11.803	ppbv #	99
52) Tetrachloroethene	11.23	164	1476291	8.913	ppbv	97
53) Toluene	9.81	91	3737829	10.483	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2296957	10.285	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1938124	8.527	ppbv	99
57) Chlorobenzene	12.16	112	3221141	7.835	ppbv	97
58) Ethyl Benzene	12.72	91	4935351	8.568	ppbv	99
59) m/p-Xylene	13.01	91	4198653	8.723	ppbv #	34
60) o-Xylene	13.70	91	4149503	8.560	ppbv	98
61) Styrene	13.54	104	3299977	8.901	ppbv	99
62) Isopropylbenzene	14.68	105	6266498	8.048	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2984227	7.940	ppbv	99
64) n-propylbenzene	15.58	120	1966043	8.273	ppbv	91
65) tert-Butylbenzene	16.76	119	5864018	8.101	ppbv	97
66) Benzyl Chloride	17.01	91	2141528	11.904	ppbv	97
67) sec-Butylbenzene	17.31	105	7790402	8.078	ppbv	97
69) p-Isopropyltoluene	17.67	119	6778421	8.013	ppbv	98
70) n-Butylbenzene	18.57	91	6791958	8.335	ppbv	98
71) 2-Chlorotoluene	15.46	91	4857148	8.565	ppbv	97
72) 4-Ethyltoluene	15.85	105	5243931	8.509	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4834940	8.482	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	5100507	8.148	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3515216	7.581	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3555141	7.774	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3422186	7.618	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	2080867	7.255	ppbv	100
79) Naphthalene	22.22	128	5928866	8.536	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	2200003	9.280	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3189577	7.668	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035598.D

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VL0914ABS01

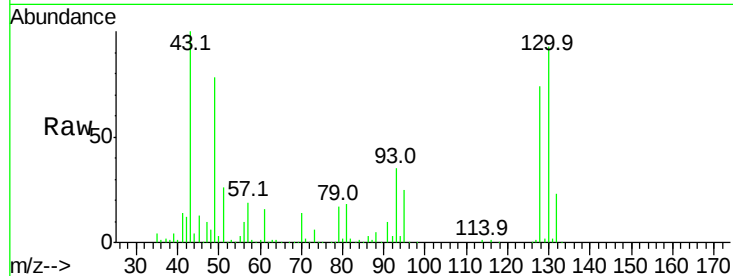
Tgt Ion: 49 Resp: 1058928

Ion Ratio Lower Upper

49 100

128 92.4 50.0 150.1

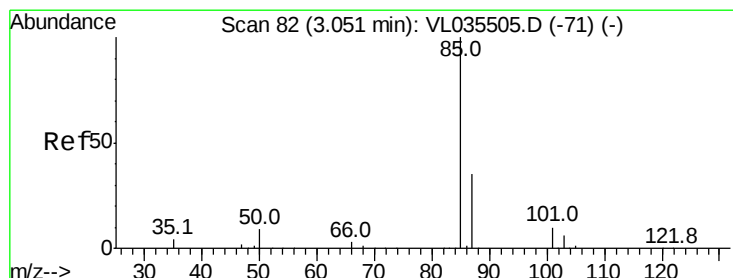
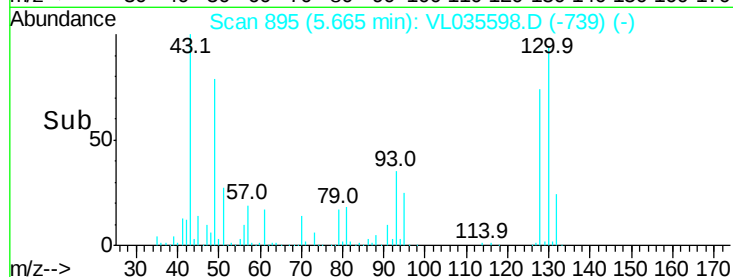
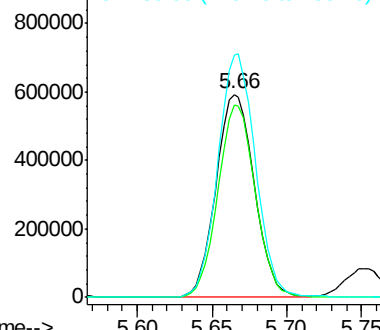
130 118.1 64.4 193.2



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: 7.766 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL035598.D

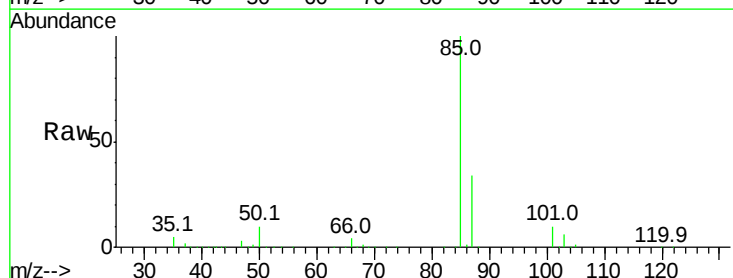
Acq: 14 Sep 2020 14:05

Tgt Ion: 85 Resp: 1425068

Ion Ratio Lower Upper

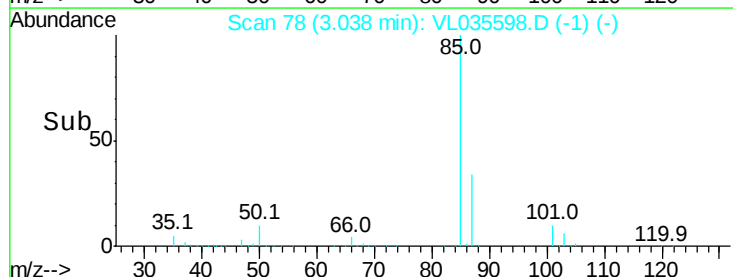
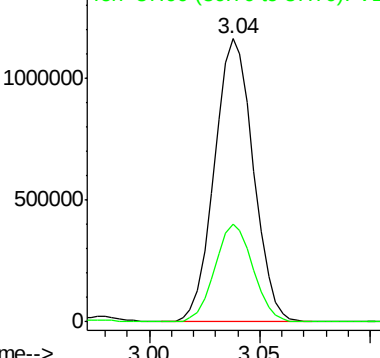
85 100

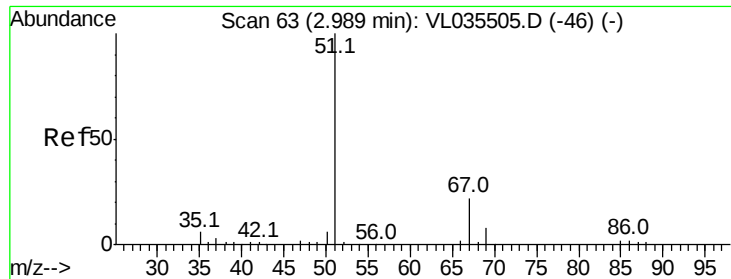
87 34.3 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

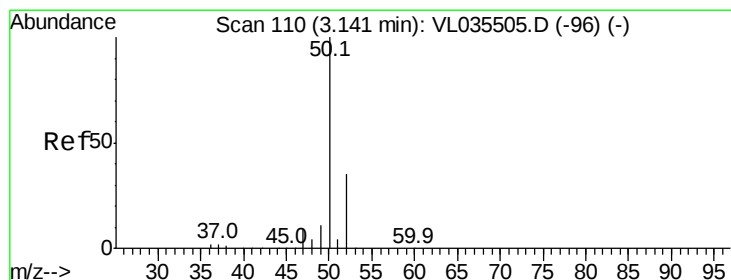
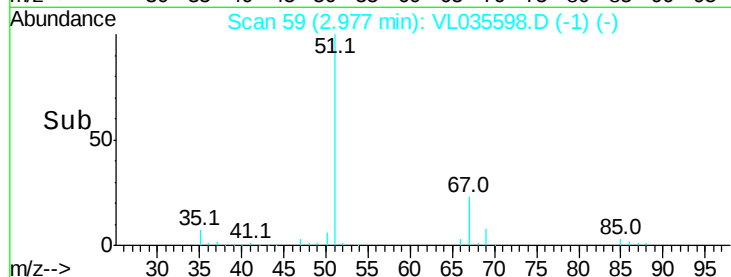
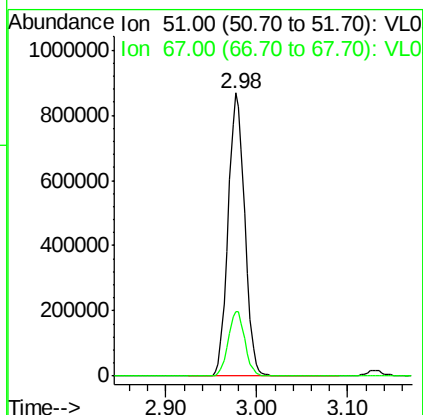
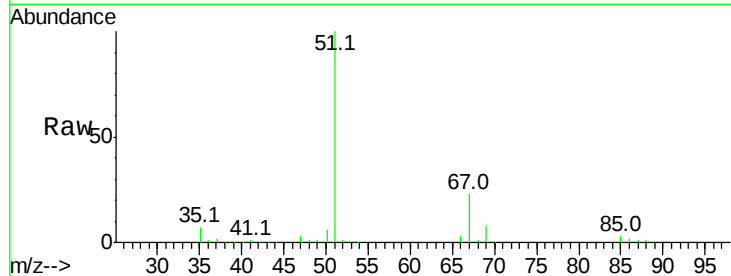




#3
 Chlorodifluoromethane
 Concen: 9.424 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

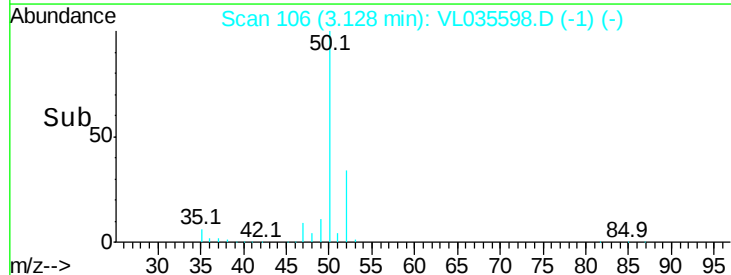
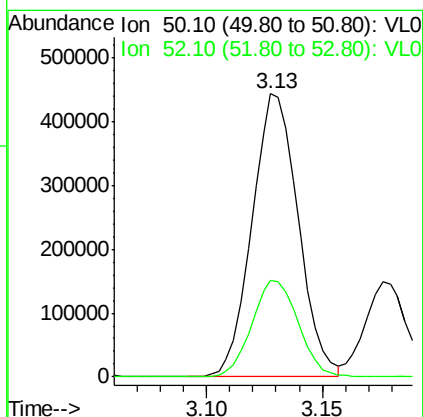
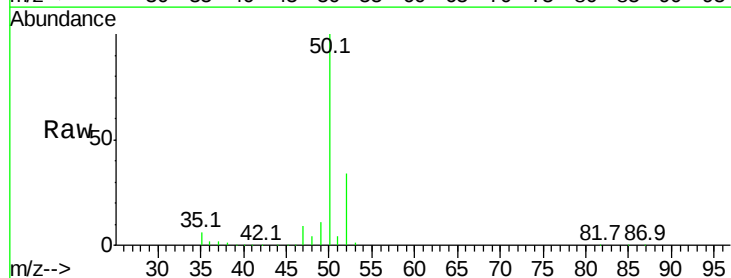
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

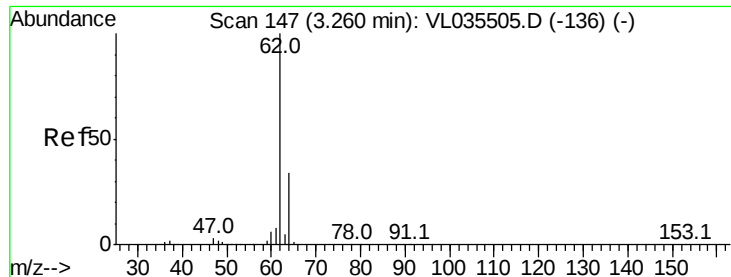
Tgt Ion: 51 Resp: 1103704
 Ion Ratio Lower Upper
 51 100
 67 22.9 17.8 26.8



#4
 Chloromethane
 Concen: 9.782 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 50 Resp: 613774
 Ion Ratio Lower Upper
 50 100
 52 34.1 27.7 41.5





#5

Vinyl Chloride

Concen: 9.224 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

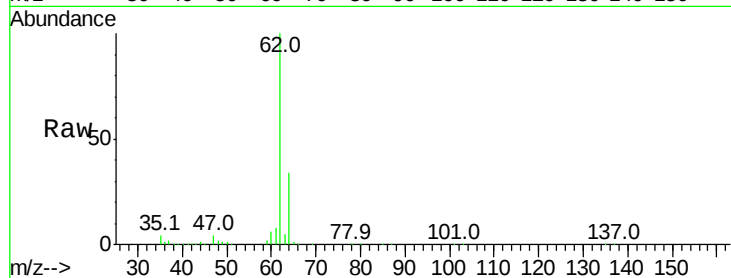
VL0914ABS01

Tgt Ion: 62 Resp: 713577

Ion Ratio Lower Upper

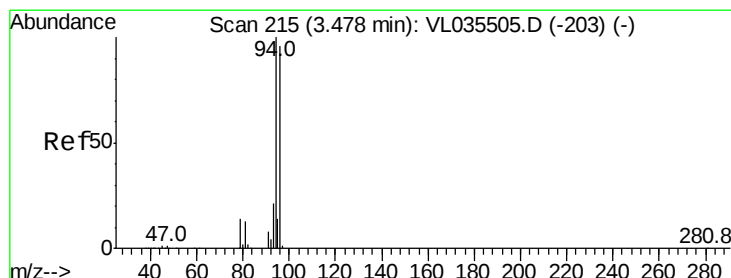
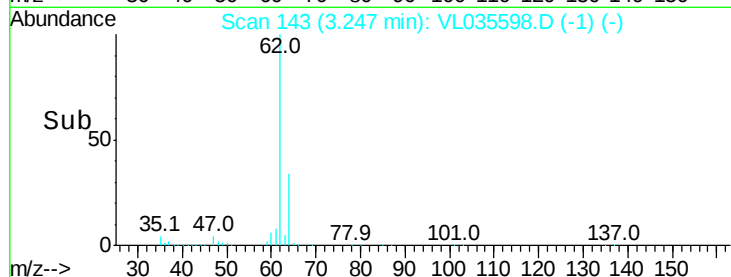
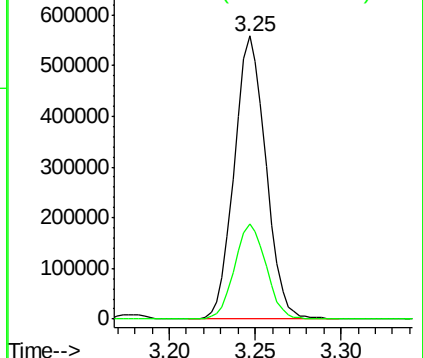
62 100

64 33.7 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: 9.730 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL035598.D

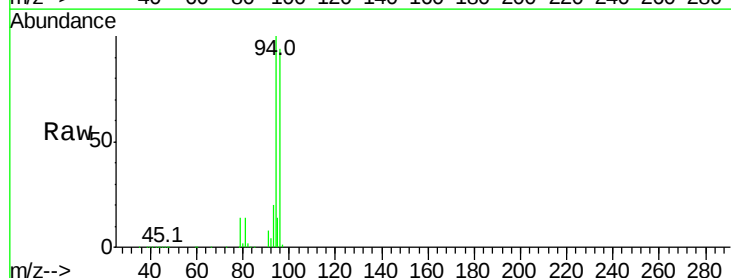
Acq: 14 Sep 2020 14:05

Tgt Ion: 94 Resp: 632243

Ion Ratio Lower Upper

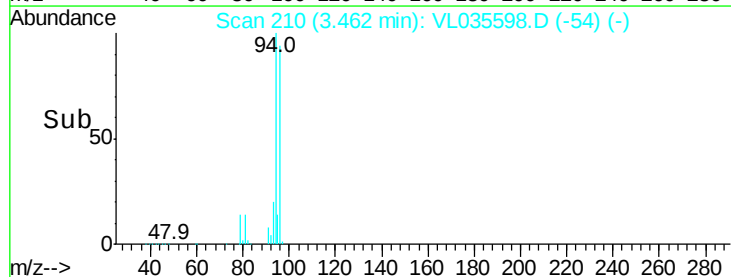
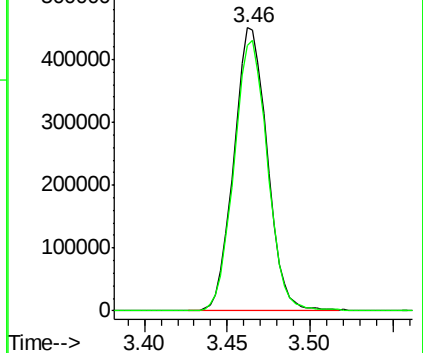
94 100

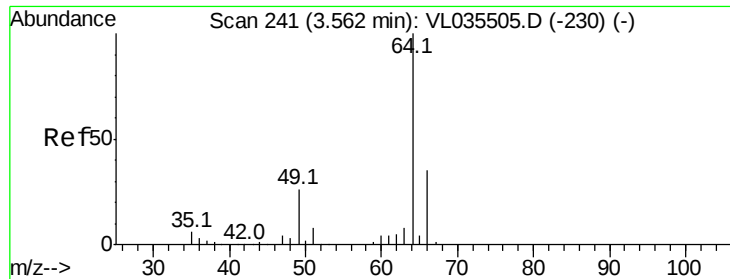
96 93.9 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.930 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

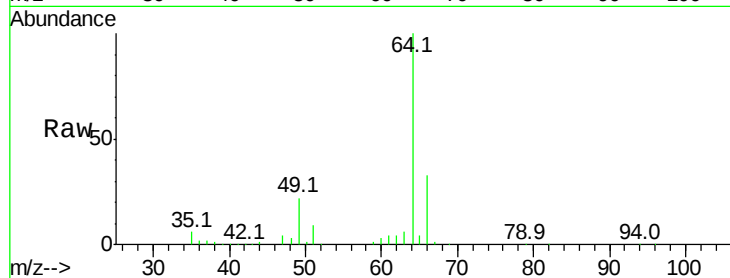
VL0914ABS01

Tgt Ion: 64 Resp: 271586

Ion Ratio Lower Upper

64 100

66 32.9 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

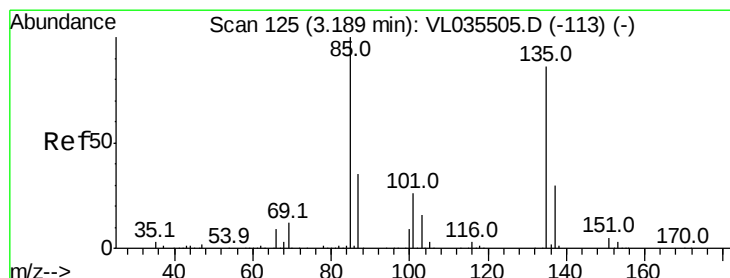
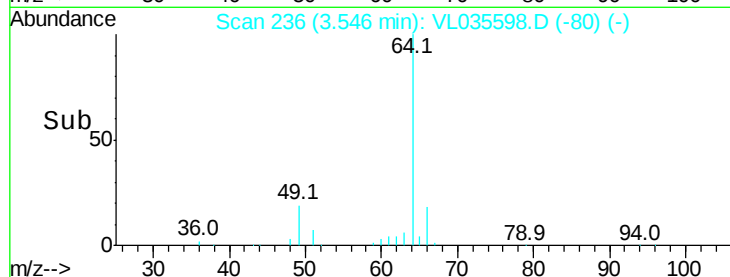
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.339 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL035598.D

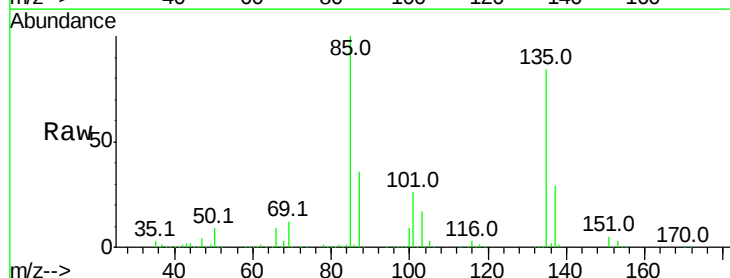
Acq: 14 Sep 2020 14:05

Tgt Ion: 85 Resp: 2075500

Ion Ratio Lower Upper

85 100

135 82.9 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

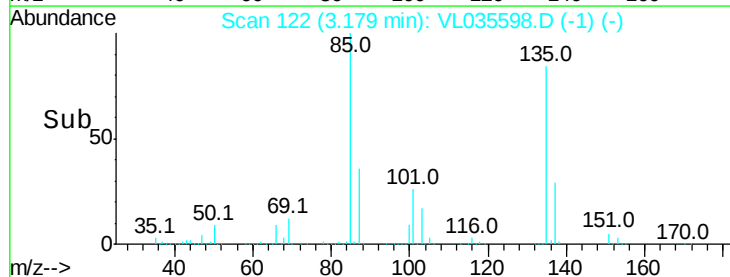
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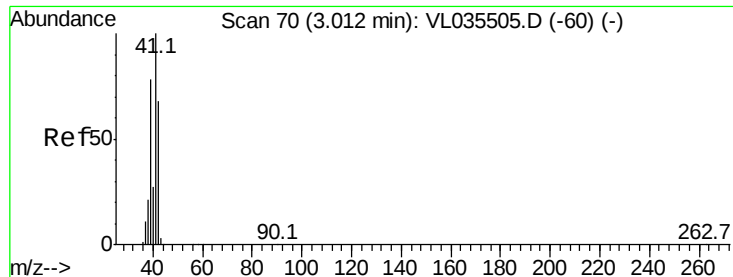
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Time-->





#9

Propene

Concen: 9.490 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

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ClientSampleId :

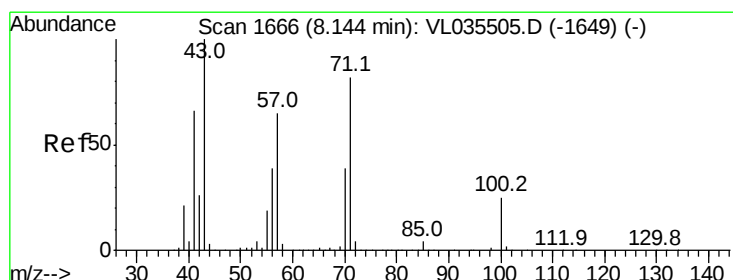
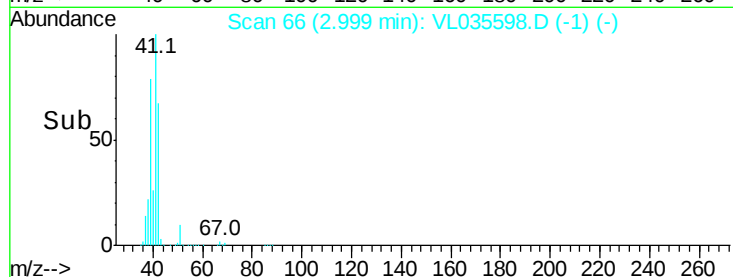
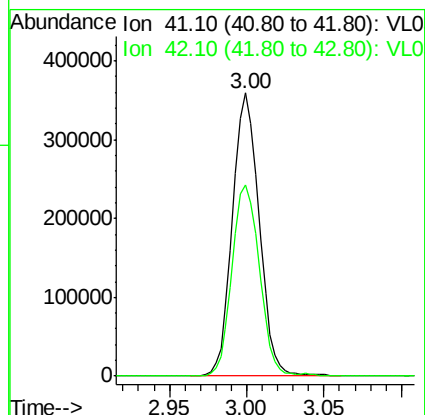
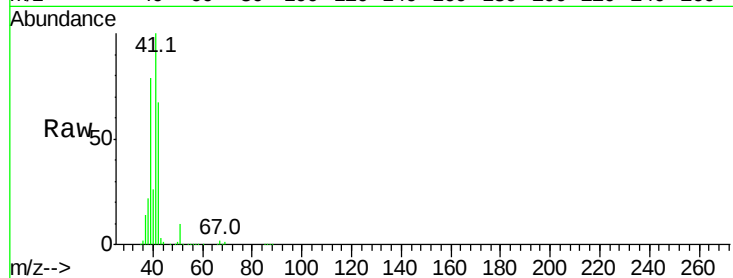
VL0914ABS01

Tgt Ion: 41 Resp: 428479

Ion Ratio Lower Upper

41 100

42 70.0 56.3 84.5



#10

Heptane

Concen: 10.193 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035598.D

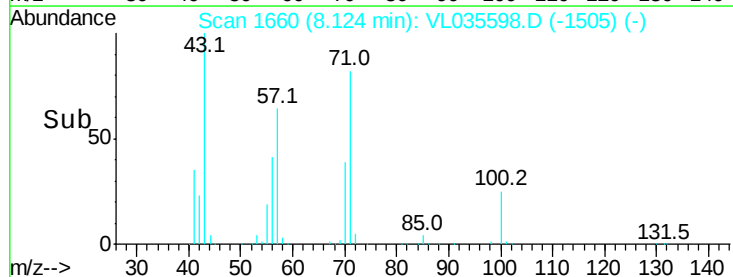
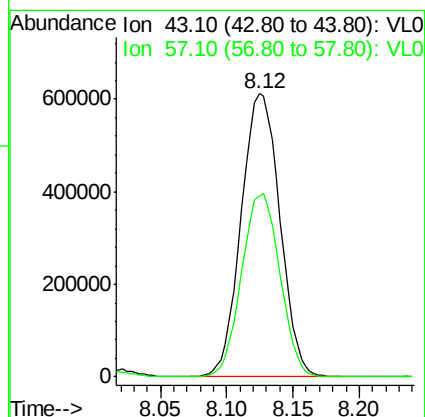
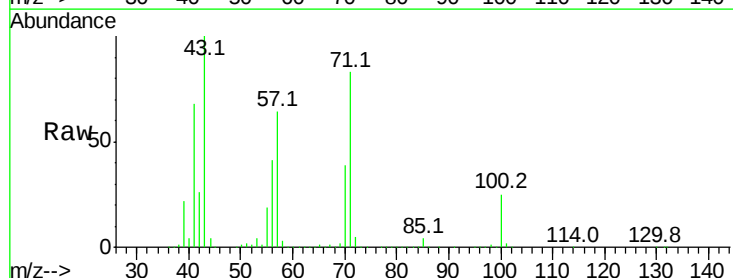
Acq: 14 Sep 2020 14:05

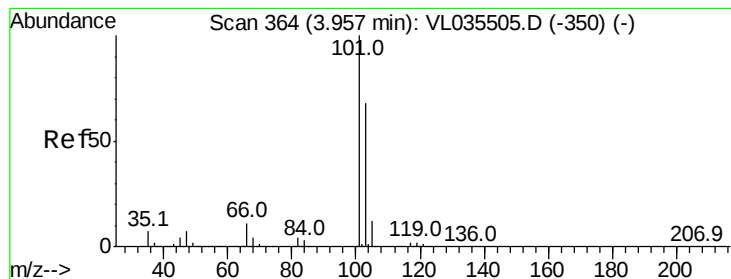
Tgt Ion: 43 Resp: 1236147

Ion Ratio Lower Upper

43 100

57 64.6 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.377 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

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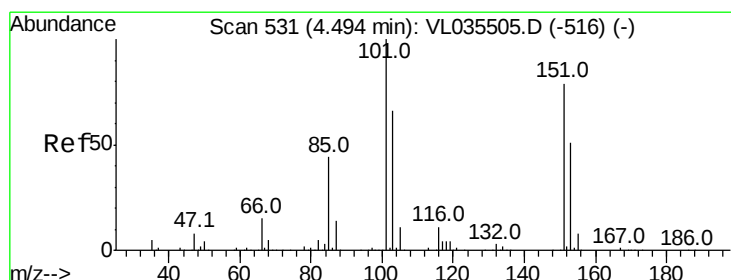
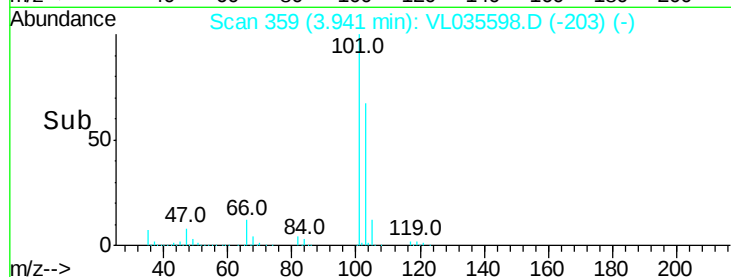
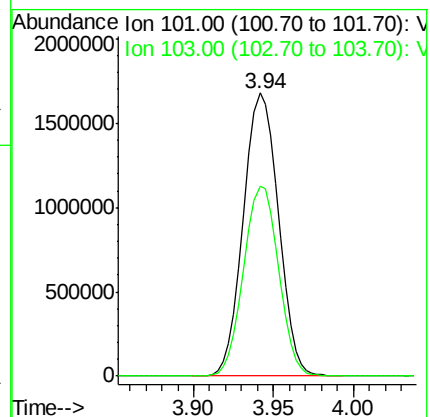
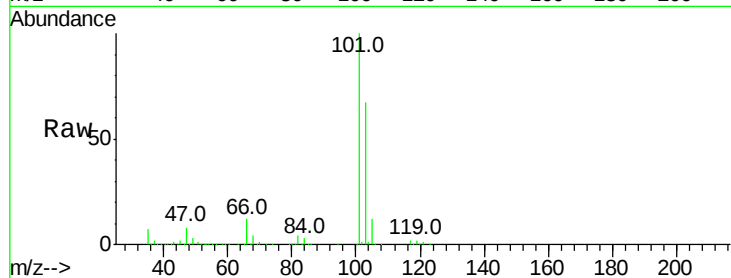
VL0914ABS01

Tgt Ion:101 Resp: 2509503

Ion Ratio Lower Upper

101 100

103 67.2 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.502 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL035598.D

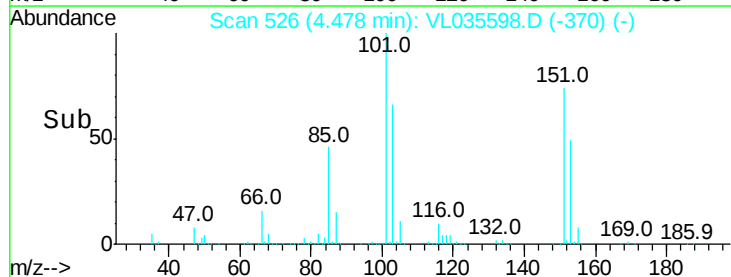
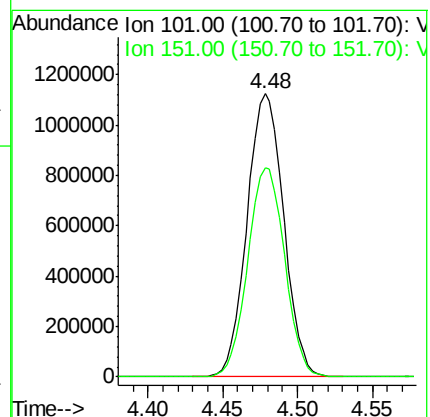
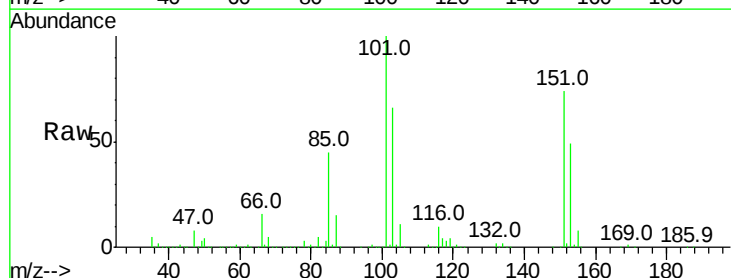
Acq: 14 Sep 2020 14:05

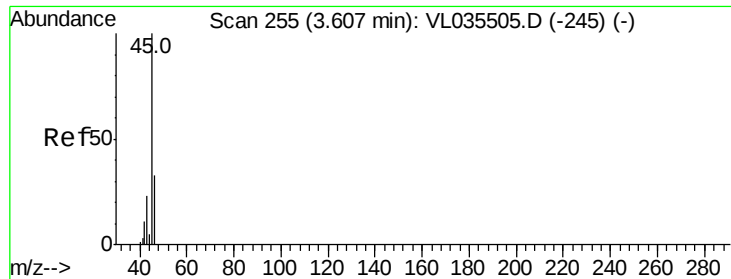
Tgt Ion:101 Resp: 1919255

Ion Ratio Lower Upper

101 100

151 74.7 63.5 95.3

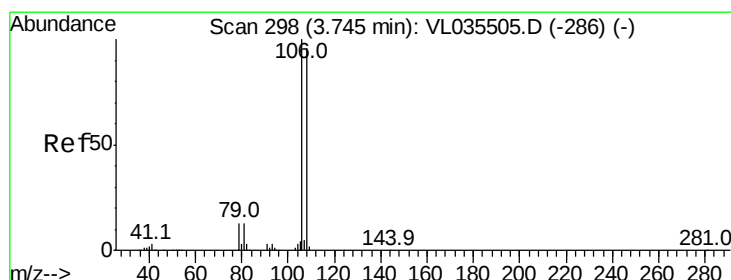
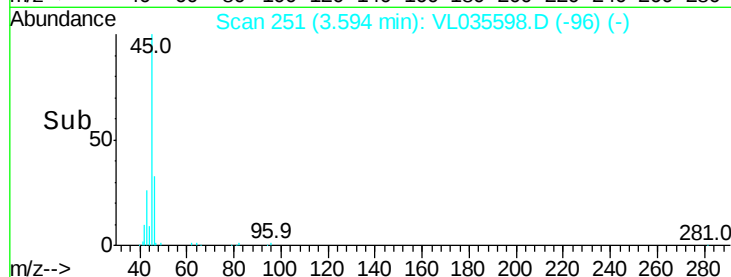
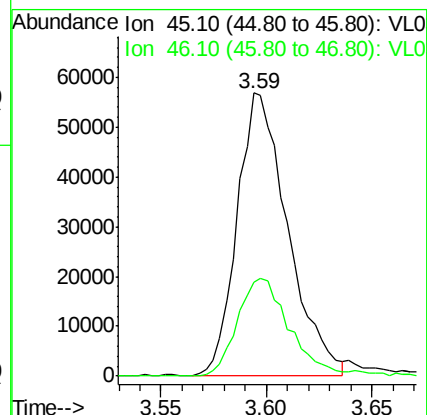
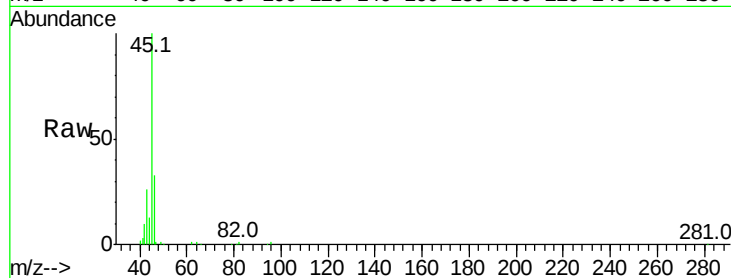




#13
 Ethanol
 Concen: 8.472 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

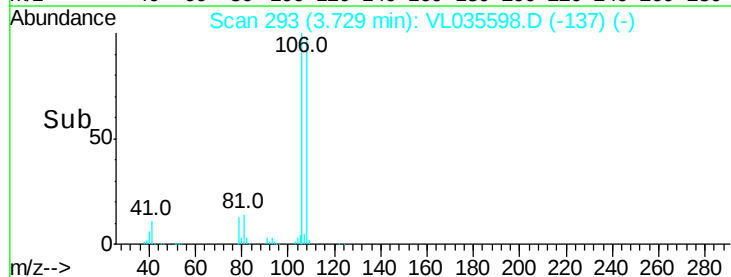
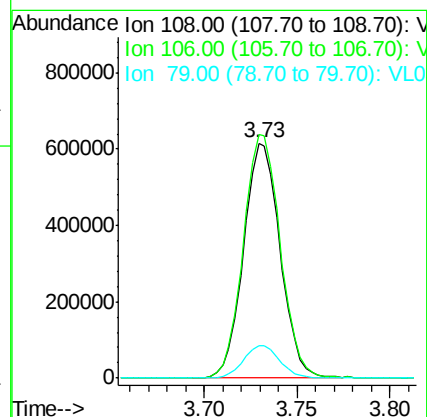
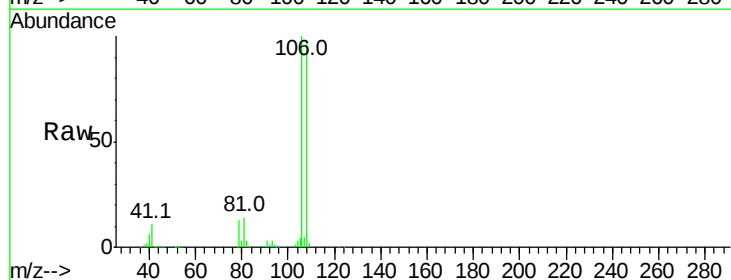
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

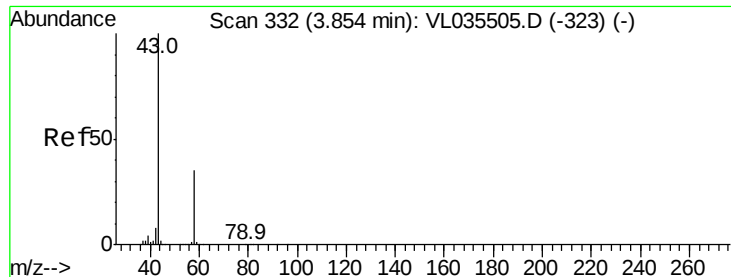
Tgt Ion: 45 Resp: 94838
 Ion Ratio Lower Upper
 45 100
 46 36.6 15.2 60.6



#14
 Bromoethene
 Concen: 9.662 ppbv
 RT: 3.73 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 108 Resp: 840036
 Ion Ratio Lower Upper
 108 100
 106 105.6 84.9 127.3
 79 14.0 10.8 16.2





#15

Acetone

Concen: 10.156 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

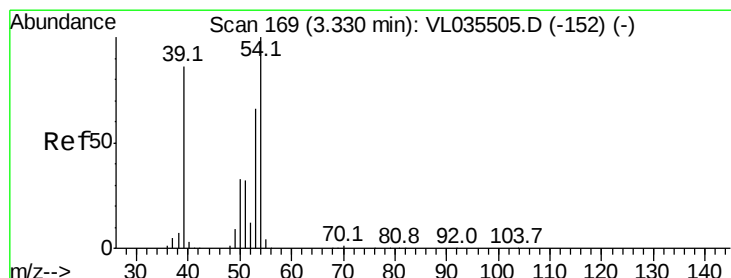
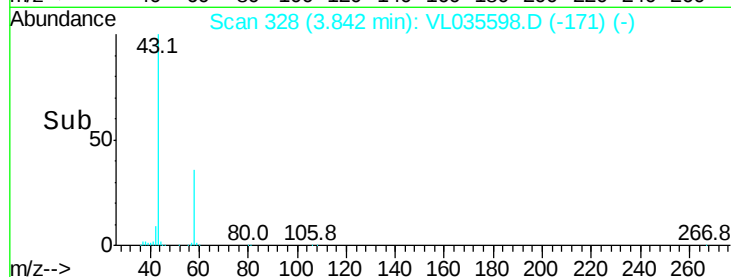
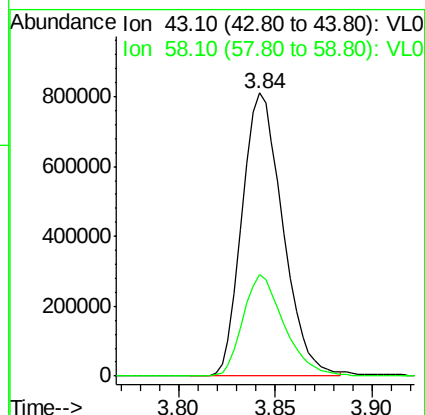
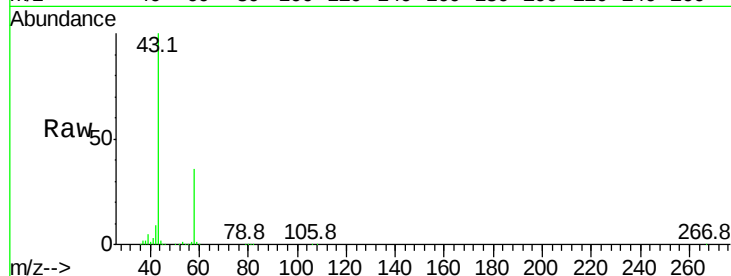
VL0914ABS01

Tgt Ion: 43 Resp: 1186118

Ion Ratio Lower Upper

43 100

58 36.4 28.4 42.6



#16

1,3-Butadiene

Concen: 10.156 ppbv

RT: 3.32 min Scan# 165

Delta R.T. 0.00 min

Lab File: VL035598.D

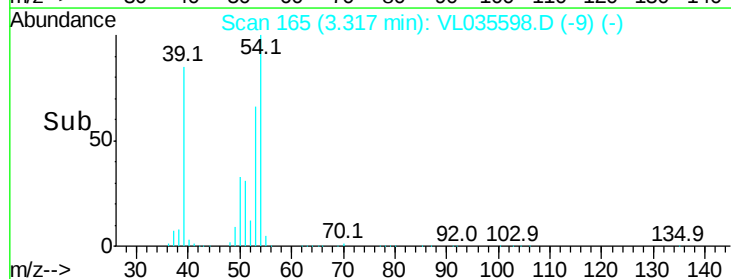
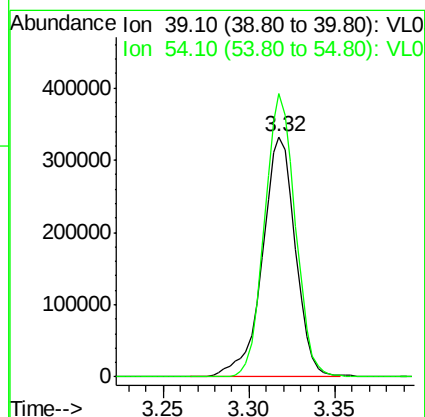
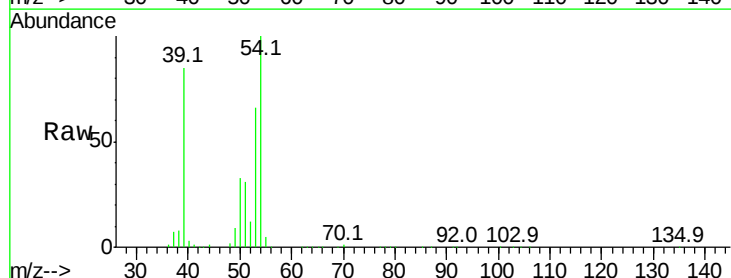
Acq: 14 Sep 2020 14:05

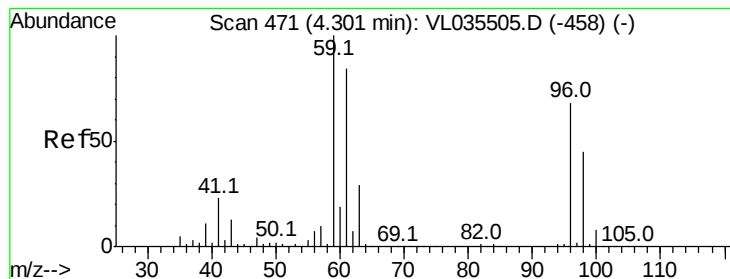
Tgt Ion: 39 Resp: 441523

Ion Ratio Lower Upper

39 100

54 110.3 88.4 132.6





#17

tert-Butyl alcohol

Concen: 8.690 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

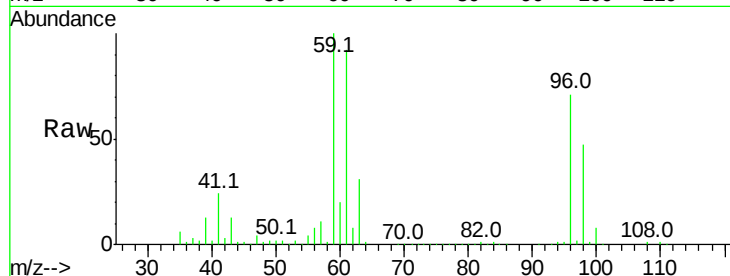
VL0914ABS01

Tgt Ion: 59 Resp: 1235371

Ion Ratio Lower Upper

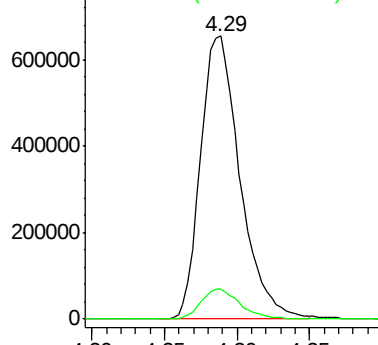
59 100

57 10.6 8.4 12.6

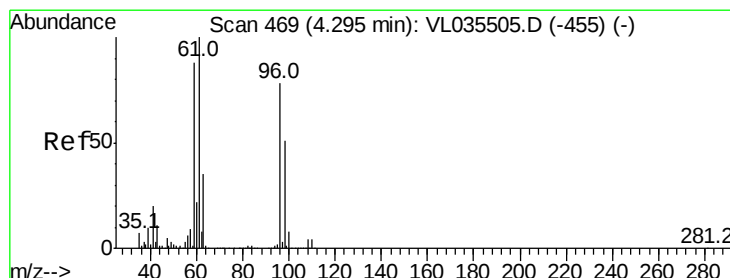
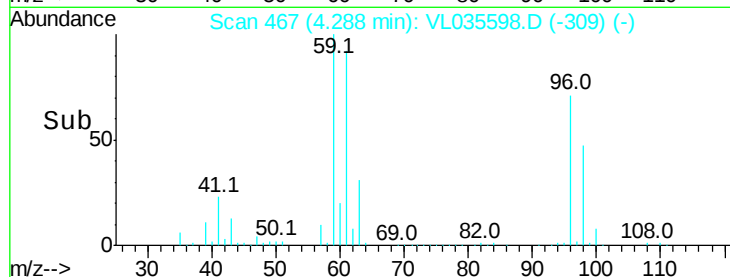


Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#18

1,1-Dichloroethene

Concen: 9.916 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

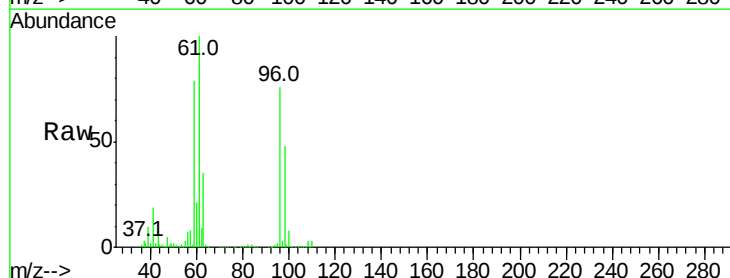
Tgt Ion: 96 Resp: 881957

Ion Ratio Lower Upper

96 100

61 131.1 103.0 154.6

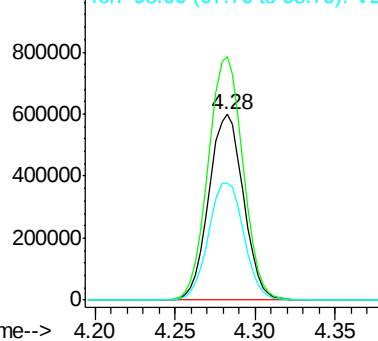
98 63.2 52.8 79.2



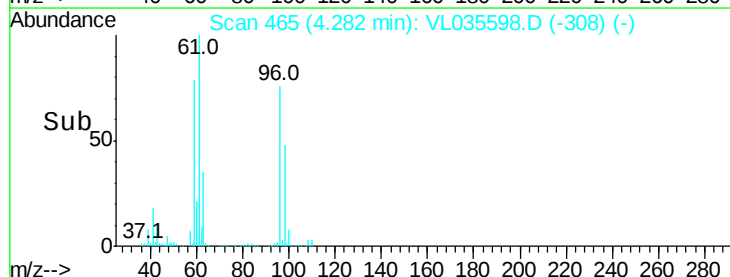
Abundance Ion 96.00 (95.70 to 96.70): VL0

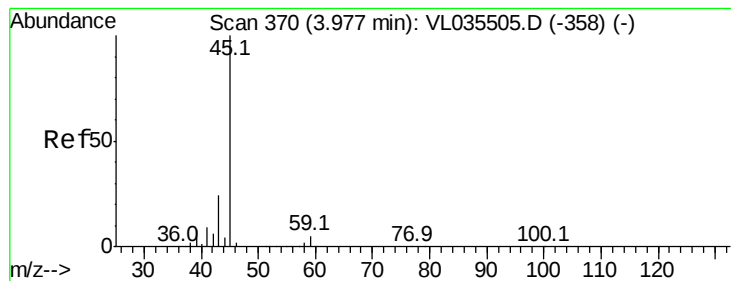
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->





#19

Isopropyl Alcohol

Concen: 8.950 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

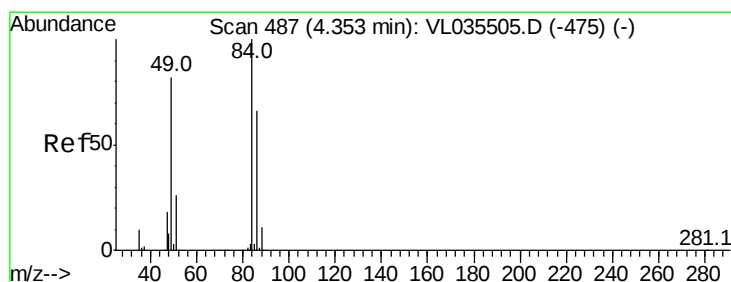
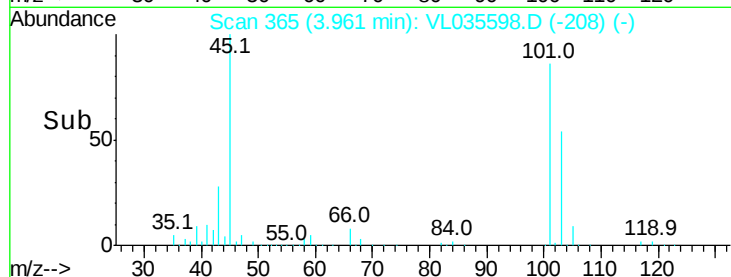
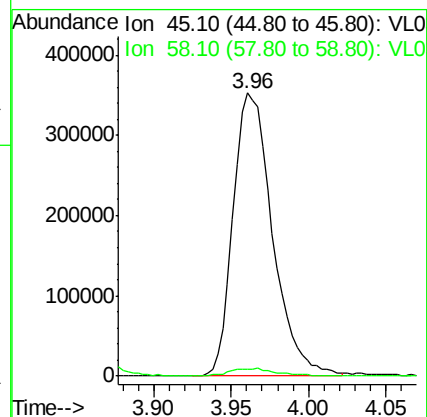
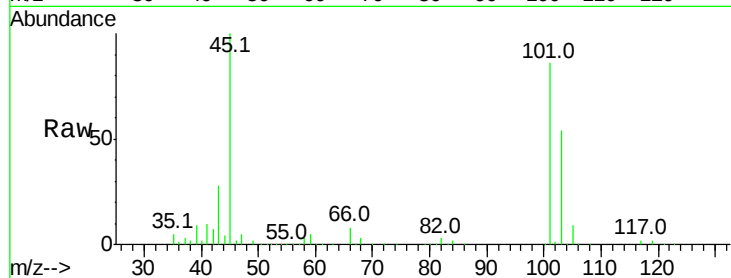
VL0914ABS01

Tgt Ion: 45 Resp: 623579

Ion Ratio Lower Upper

45 100

58 3.6 2.0 3.0#



#20

Methylene Chloride

Concen: 9.010 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 84 Resp: 783764

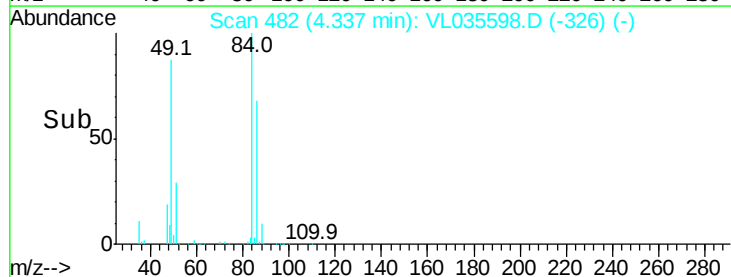
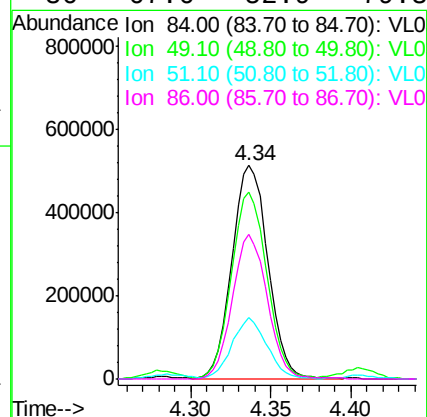
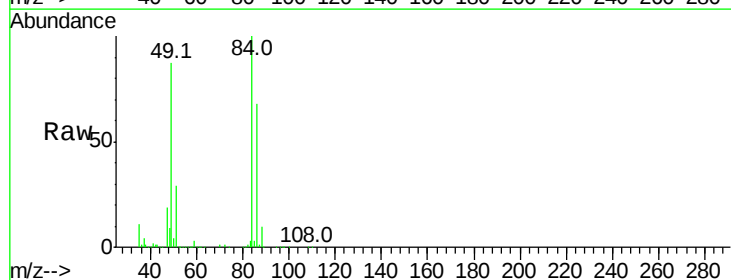
Ion Ratio Lower Upper

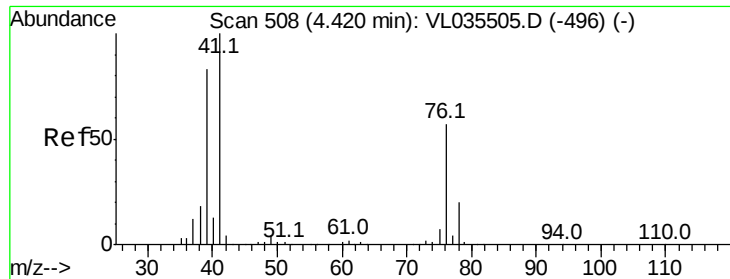
84 100

49 86.6 65.4 98.0

51 28.0 21.5 32.3

86 67.6 52.9 79.3





#21

Allyl Chloride

Concen: 10.727 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

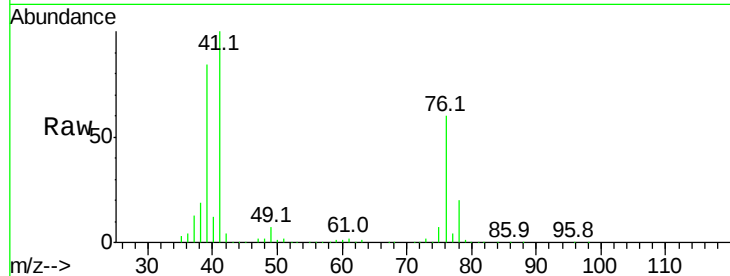
Tgt Ion: 41 Resp: 586925

Ion Ratio Lower Upper

41 100

76 58.4 46.2 69.2

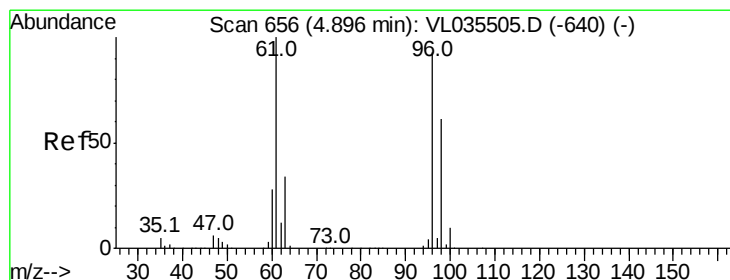
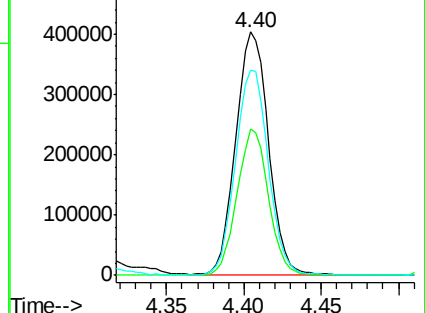
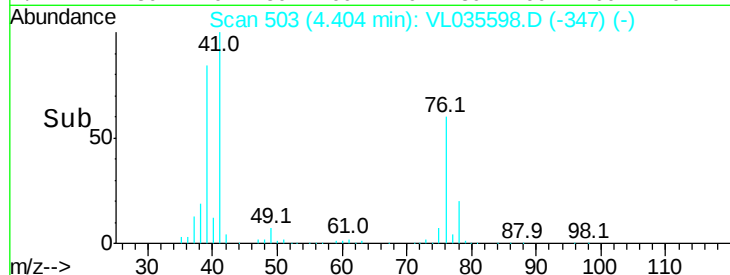
39 85.5 67.8 101.6



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: 9.768 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

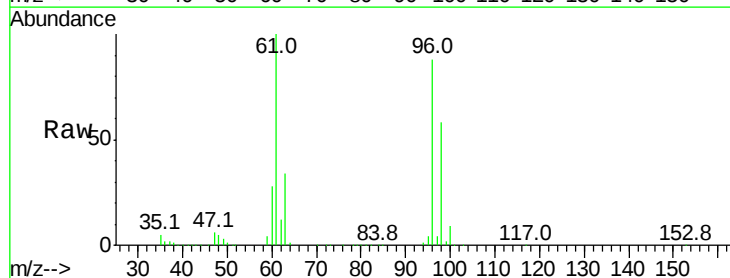
Tgt Ion: 96 Resp: 924963

Ion Ratio Lower Upper

96 100

61 113.7 86.0 129.0

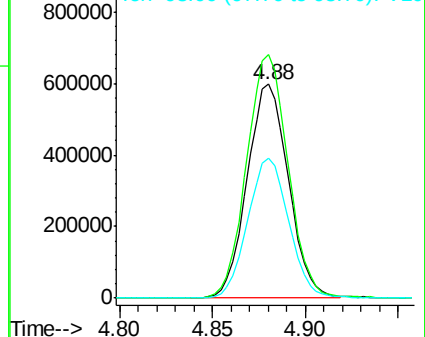
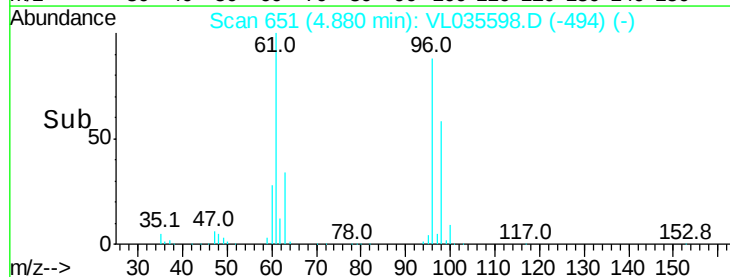
98 65.4 52.3 78.5

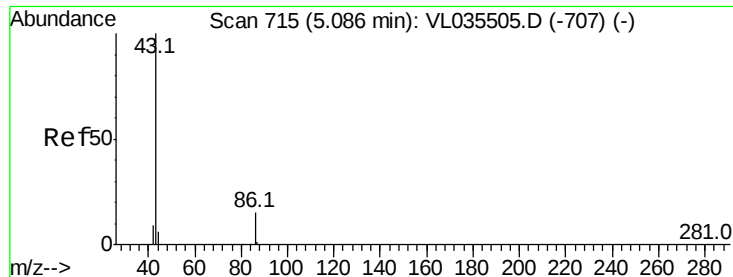


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.680 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

Tgt Ion: 43 Resp: 1600875

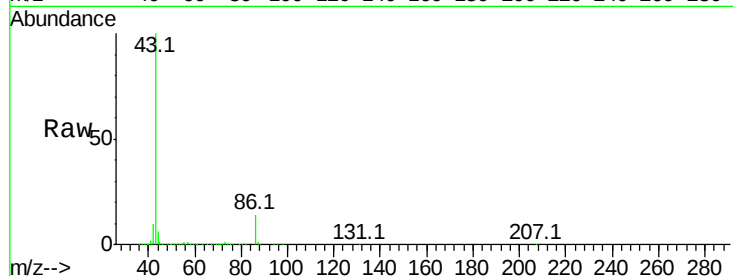
Ion Ratio Lower Upper

43 100

86 13.6 10.6 16.0

42 10.3 7.5 11.3

44 5.9 4.4 6.6

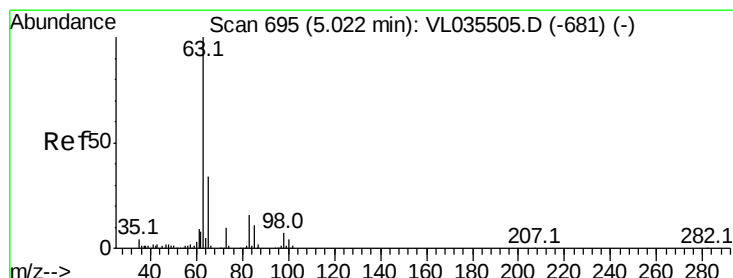
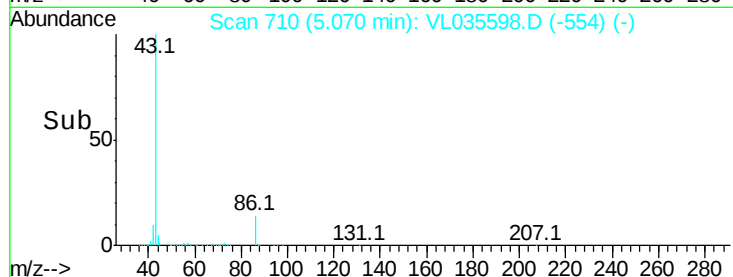
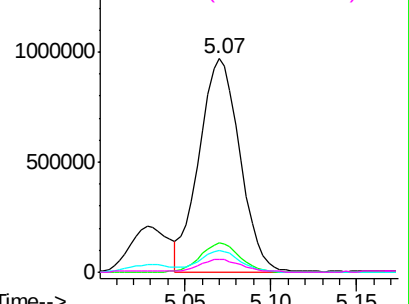


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.663 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

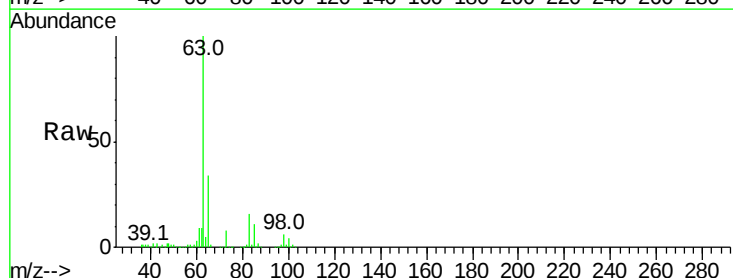
Tgt Ion: 63 Resp: 1490593

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

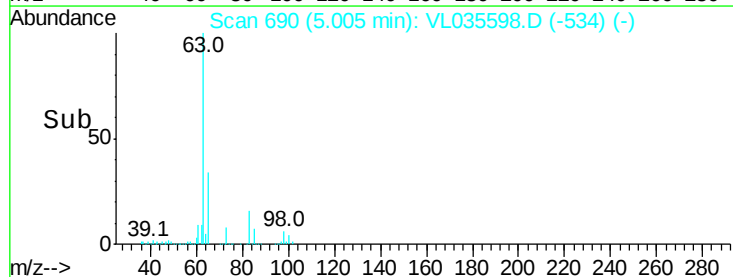
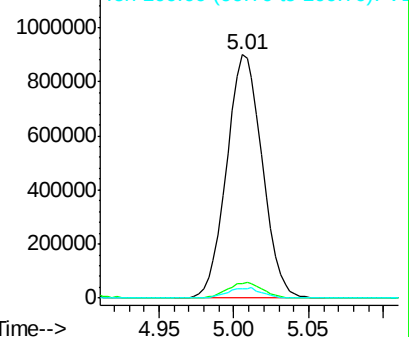
100 4.0 2.1 6.5

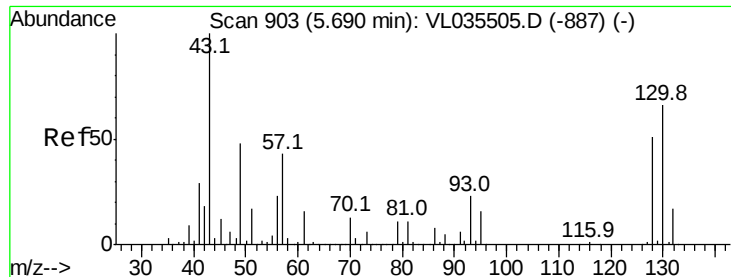


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.745 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

Tgt Ion: 43 Resp: 2010667

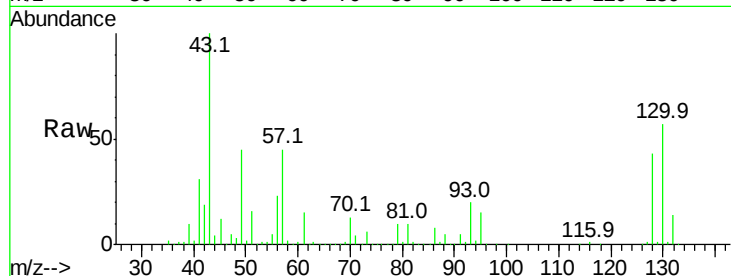
Ion Ratio Lower Upper

43 100

45 10.8 8.4 12.6

61 13.2 10.6 16.0

70 11.6 9.4 14.2



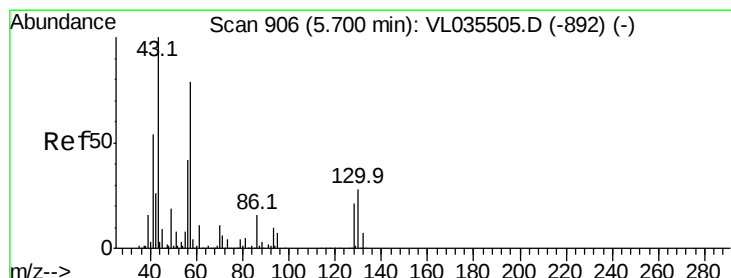
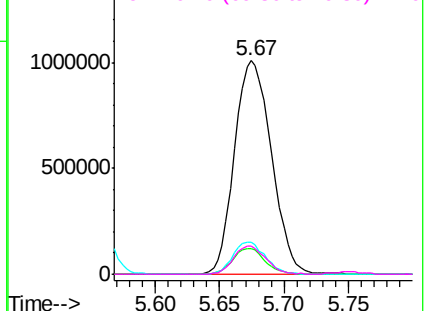
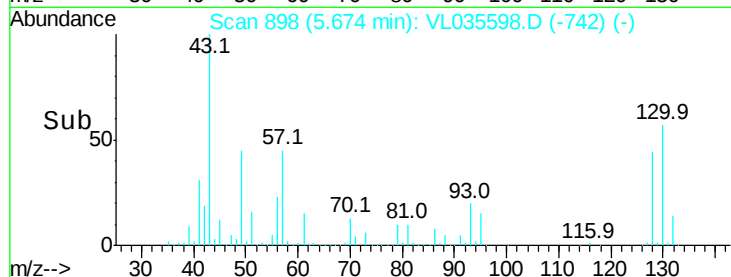
Abundance

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: 9.853 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 57 Resp: 1151852

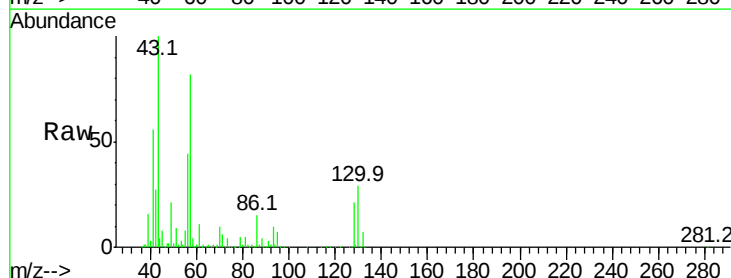
Ion Ratio Lower Upper

57 100

41 70.2 55.9 83.9

43 175.3 141.8 212.8

56 52.5 41.8 62.8



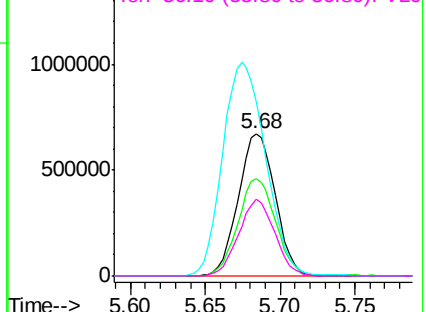
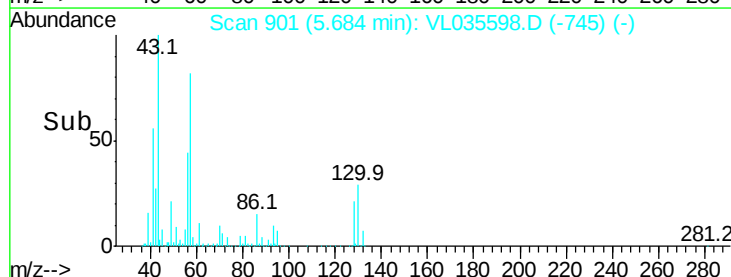
Abundance

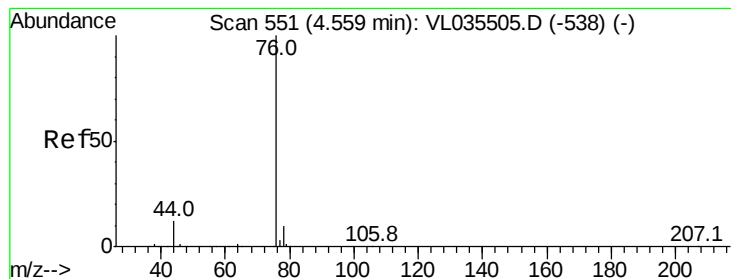
Ion 57.10 (56.80 to 57.80): VL0

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: 11.276 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

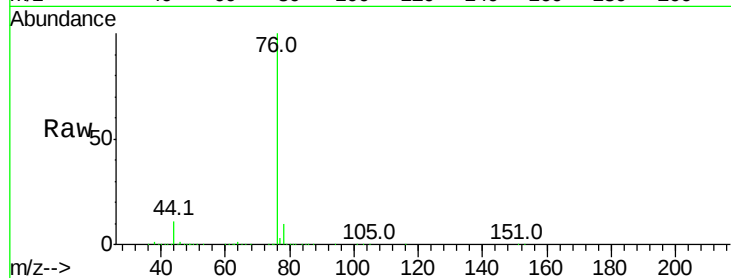
Tgt Ion: 76 Resp: 1891591

Ion Ratio Lower Upper

76 100

44 11.5 9.3 13.9

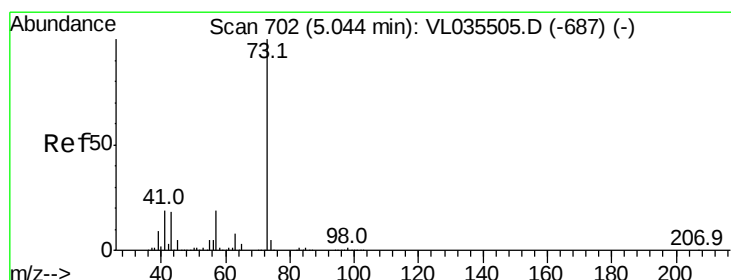
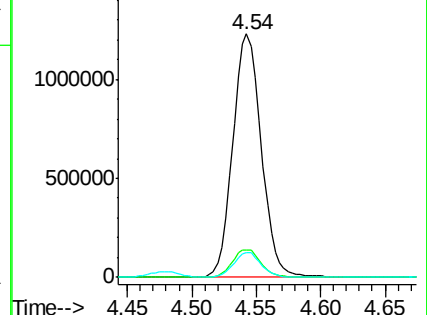
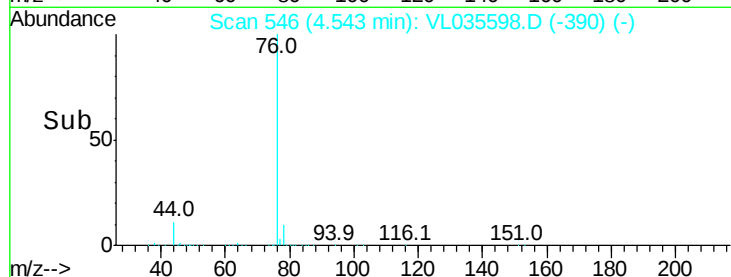
78 9.7 7.8 11.6



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: 9.680 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL035598.D

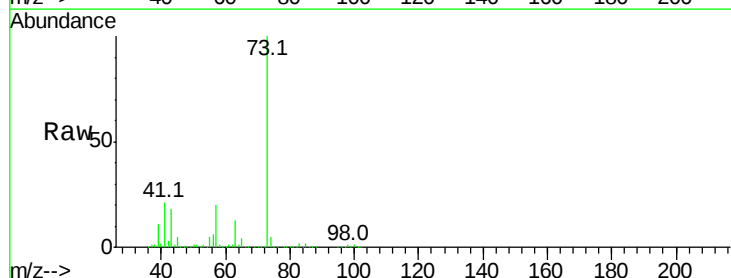
Acq: 14 Sep 2020 14:05

Tgt Ion: 73 Resp: 1972222

Ion Ratio Lower Upper

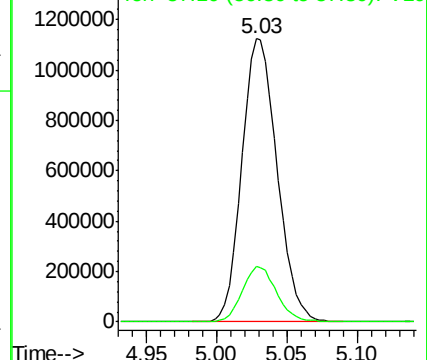
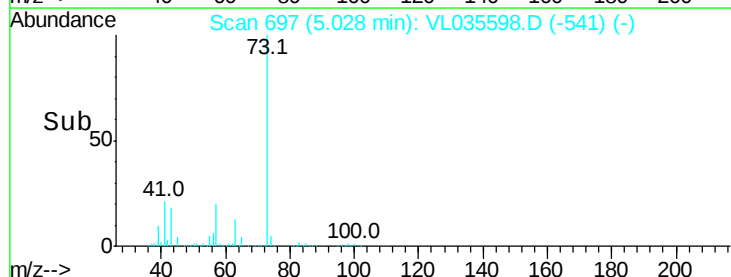
73 100

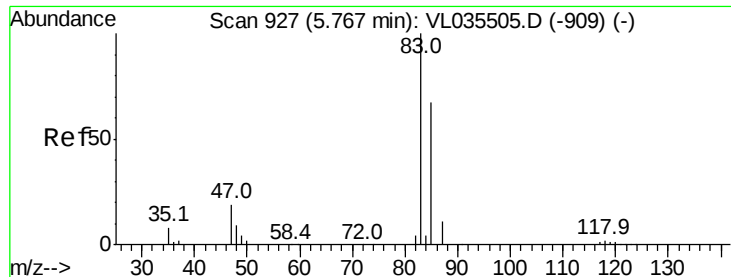
57 19.2 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.715 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

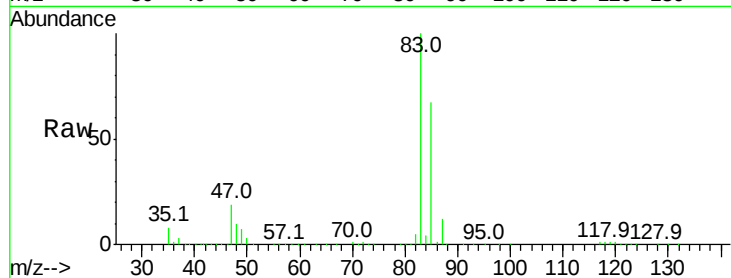
VL0914ABS01

Tgt Ion: 83 Resp: 2314067

Ion Ratio Lower Upper

83 100

85 67.1 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

1500000 Ion 85.00 (84.70 to 85.70): VL0

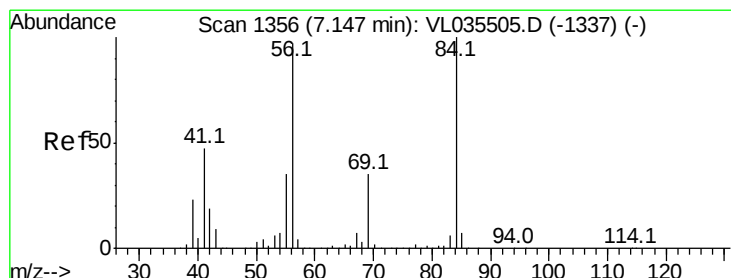
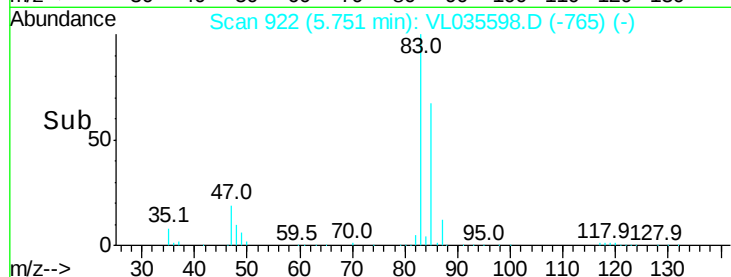
5.75

1000000

500000

0

Time--> 5.65 5.70 5.75 5.80



#30

Cyclohexane

Concen: 10.092 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

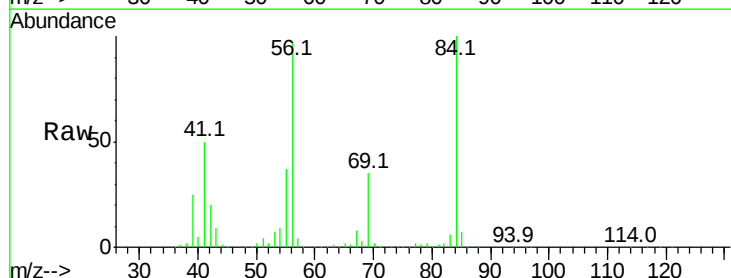
Tgt Ion: 84 Resp: 1263935

Ion Ratio Lower Upper

84 100

56 103.0 80.1 120.1

41 50.3 38.1 57.1



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

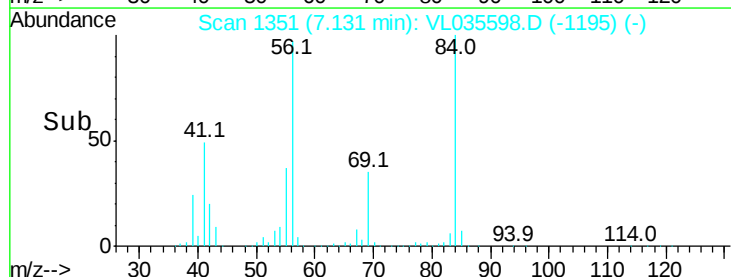
600000

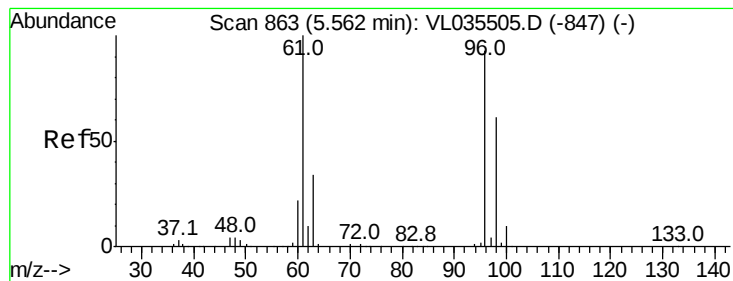
400000

200000

0

Time--> 7.05 7.10 7.15 7.20





#31

cis-1,2-Dichloroethene

Concen: 10.075 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

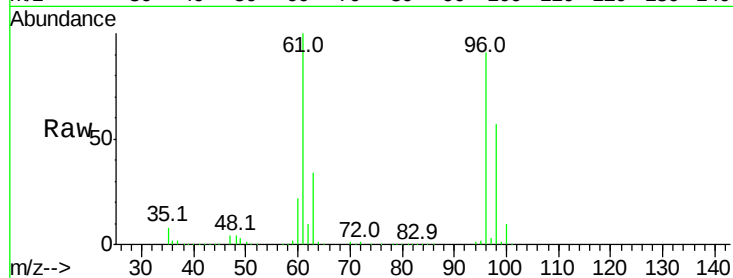
Tgt Ion: 61 Resp: 1208352

Ion Ratio Lower Upper

61 100

96 90.7 74.4 111.6

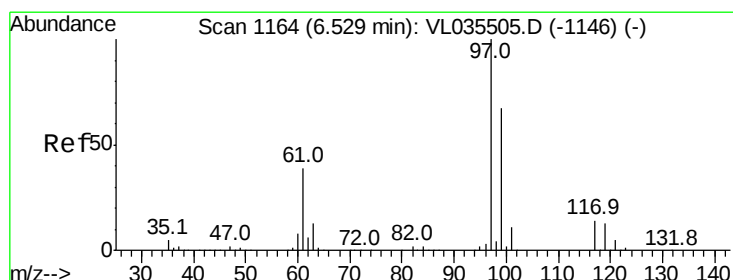
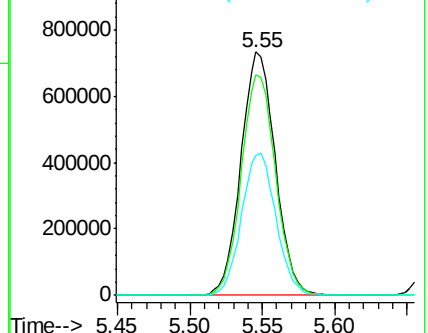
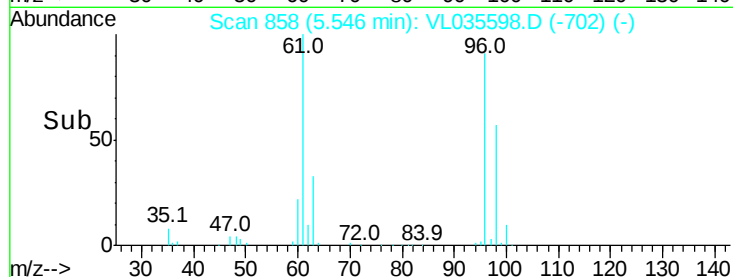
98 57.3 49.2 73.8



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: 9.855 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

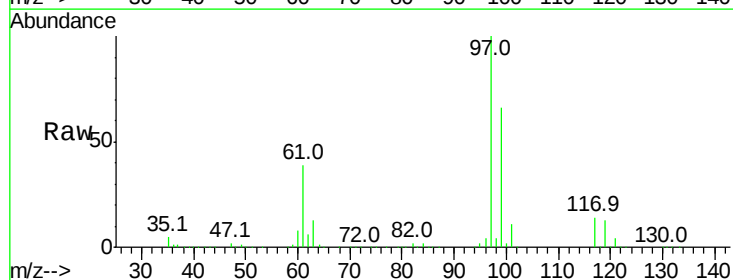
Tgt Ion: 97 Resp: 2277188

Ion Ratio Lower Upper

97 100

99 65.5 53.3 79.9

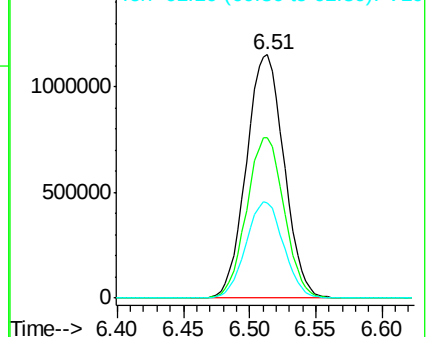
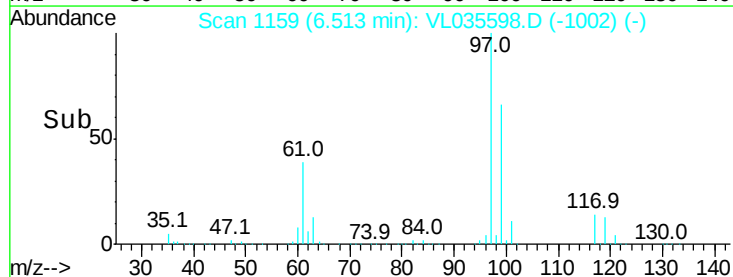
61 39.6 30.6 46.0

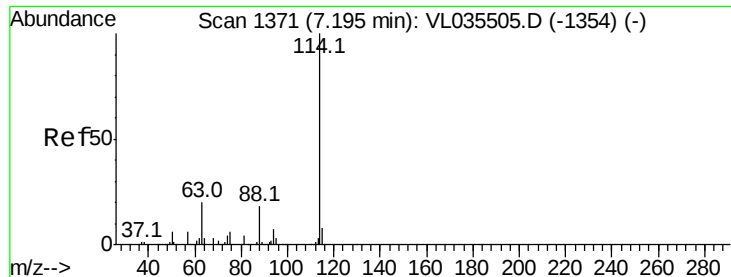


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.18 min Scan# 1366

Delta R.T. 0.00 min

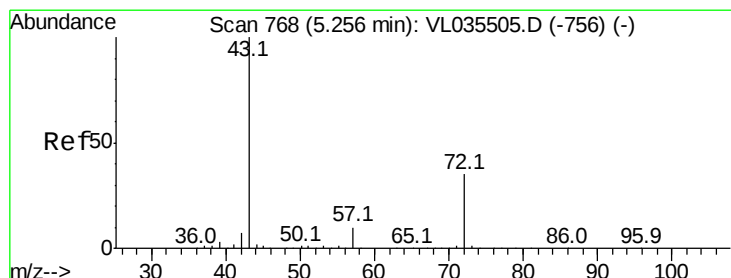
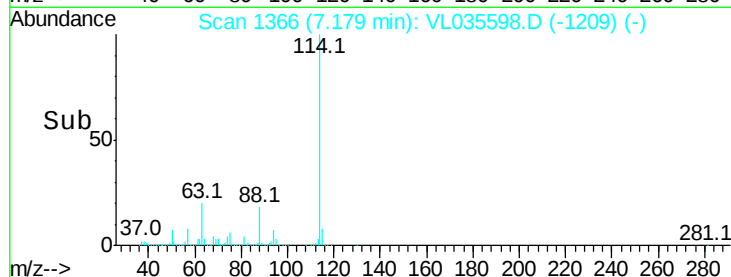
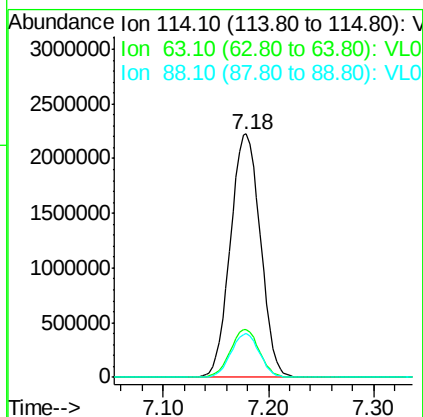
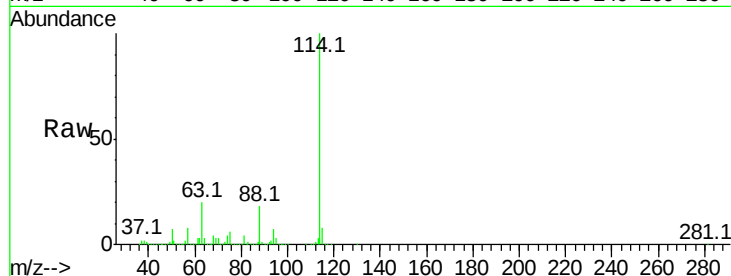
Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :
MSVOA_L
ClientSampleId :
VL0914ABS01

Tgt Ion:114 Resp: 4380202

Ion	Ratio	Lower	Upper
114	100		
63	19.3	14.7	22.1
88	17.1	13.4	20.2



#34

2-Butanone

Concen: 10.700 ppbv

RT: 5.24 min Scan# 763

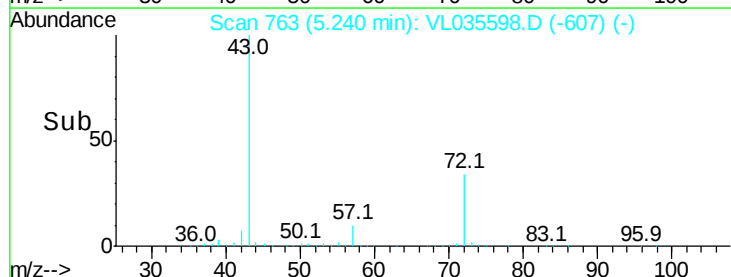
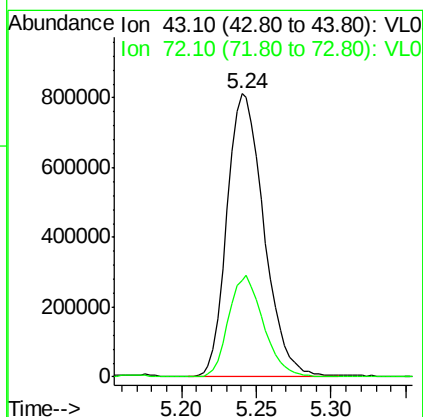
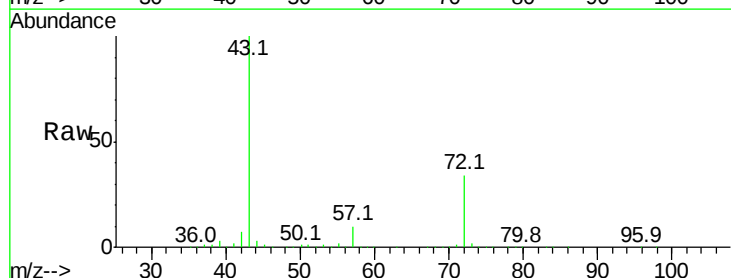
Delta R.T. 0.00 min

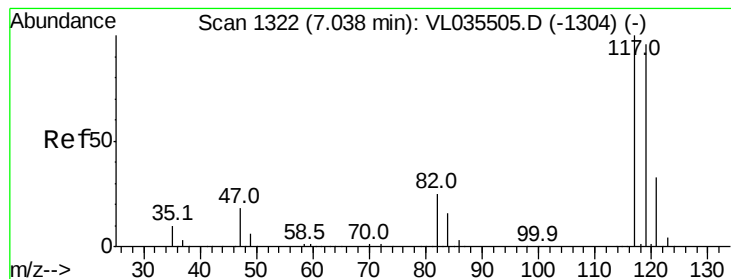
Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 43 Resp: 1390934

Ion	Ratio	Lower	Upper
43	100		
72	34.1	27.7	41.5





#35

Carbon Tetrachloride

Concen: 10.828 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

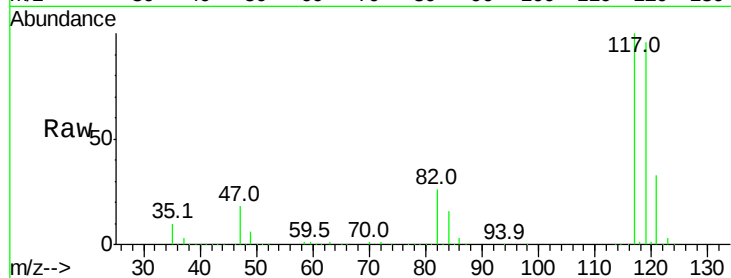
Tgt Ion:117 Resp: 2383775

Ion Ratio Lower Upper

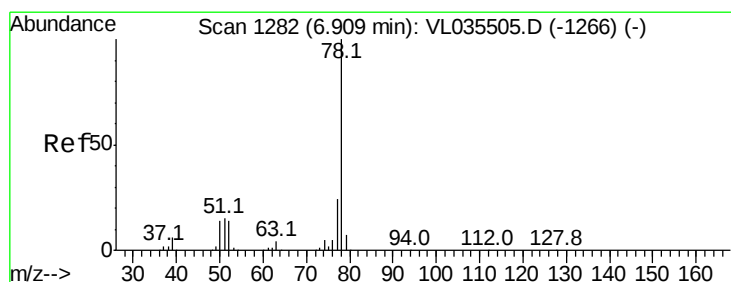
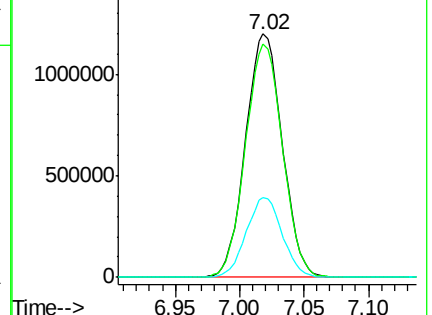
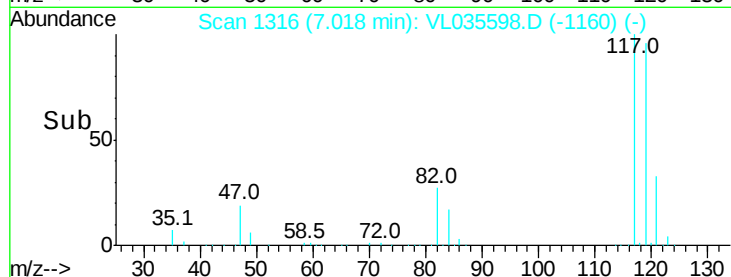
117 100

119 95.8 77.2 115.8

121 32.8 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: 10.342 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

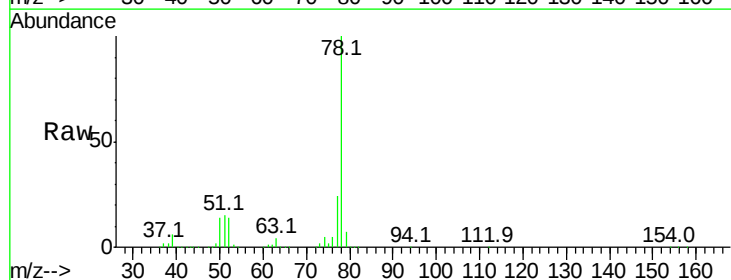
Tgt Ion: 78 Resp: 2932471

Ion Ratio Lower Upper

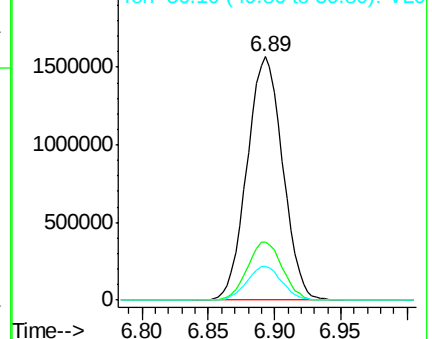
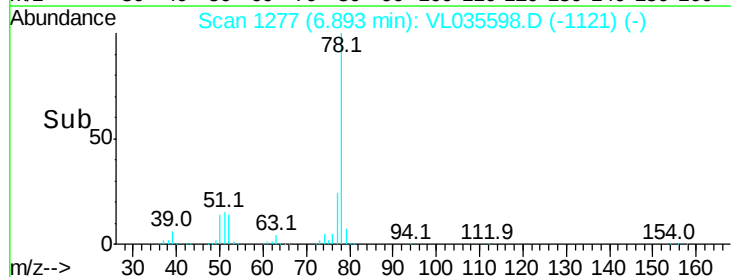
78 100

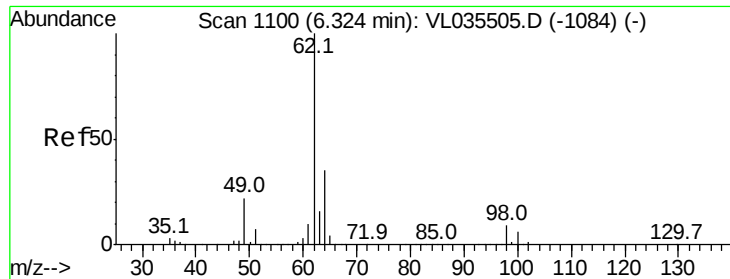
77 24.0 19.3 28.9

50 13.8 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

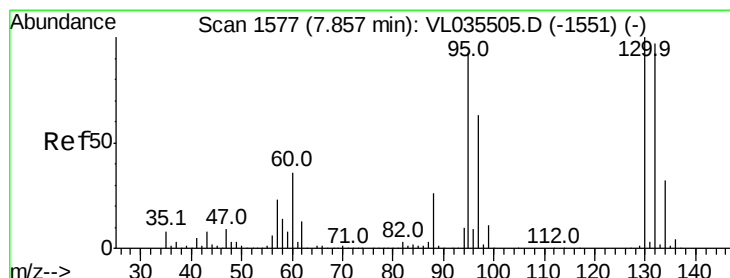
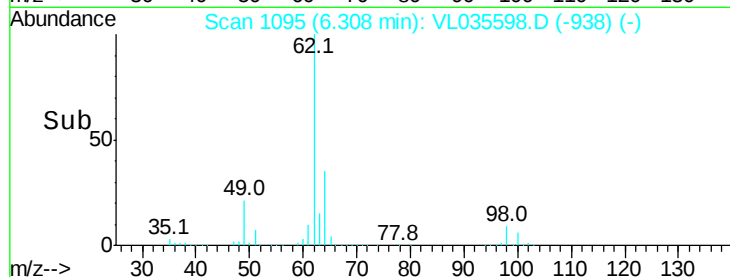
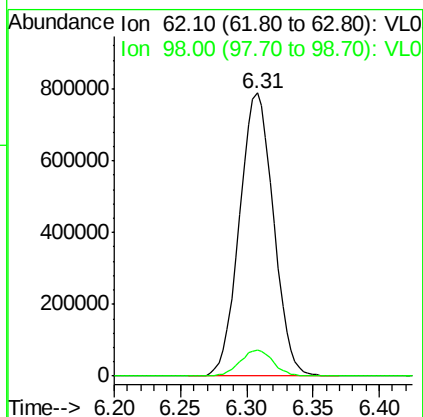
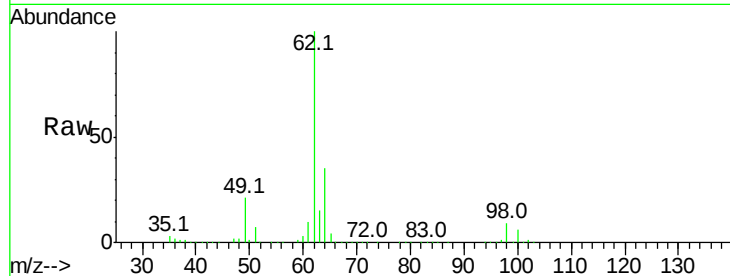




#37
 1,2-Dichloroethane
 Concen: 10.433 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

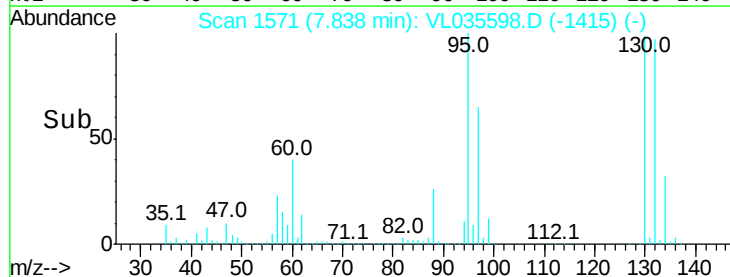
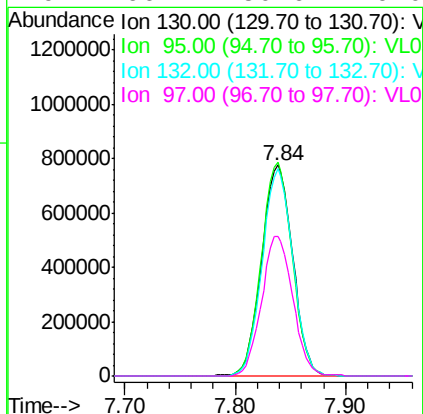
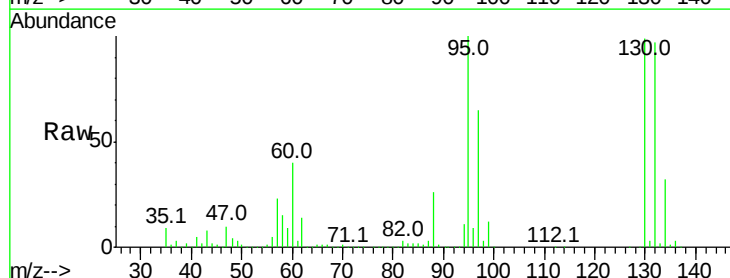
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

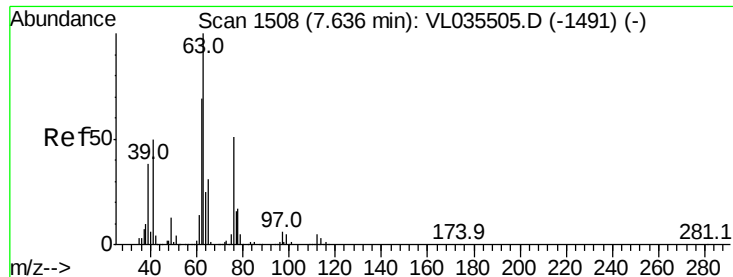
Tgt Ion: 62 Resp: 1410329
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.4 11.0



#38
 Trichloroethene
 Concen: 9.236 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 130 Resp: 1521193
 Ion Ratio Lower Upper
 130 100
 95 101.4 74.6 112.0
 132 98.2 77.6 116.4
 97 66.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.325 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

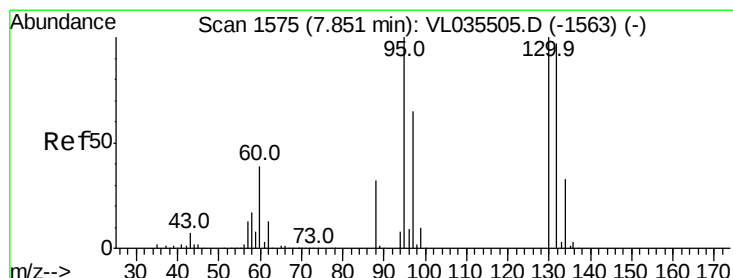
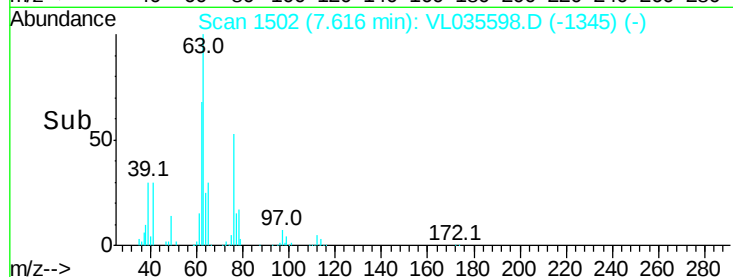
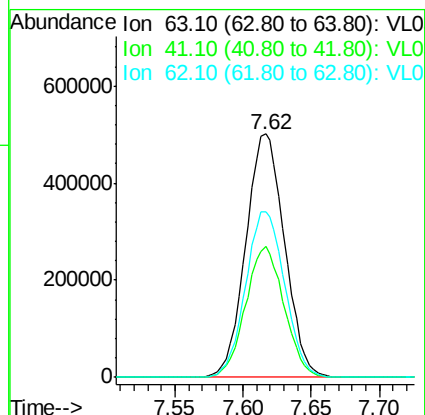
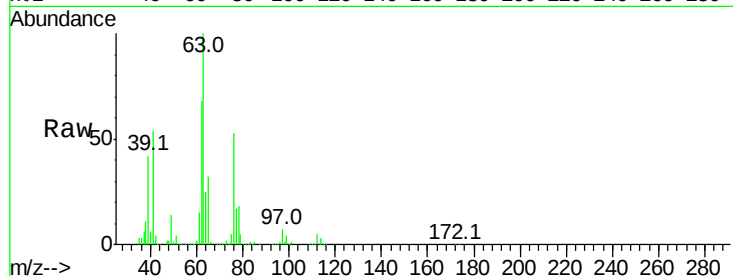
Tgt Ion: 63 Resp: 988974

Ion Ratio Lower Upper

63 100

41 53.8 40.0 60.0

62 68.1 55.4 83.0



#40

1,4-Dioxane

Concen: 10.707 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 88 Resp: 512312

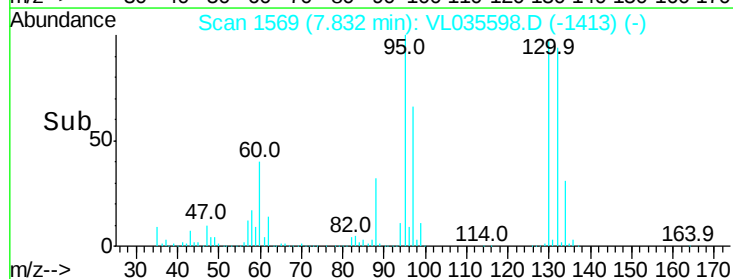
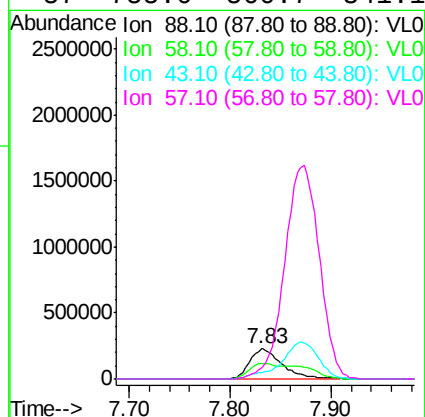
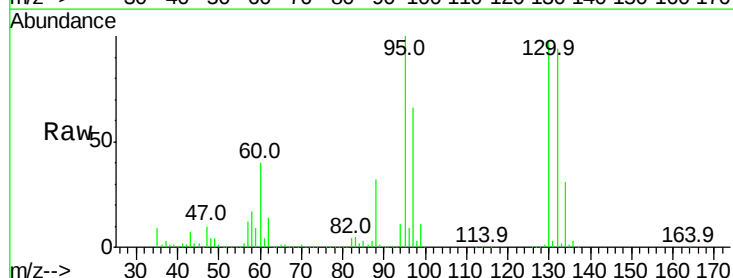
Ion Ratio Lower Upper

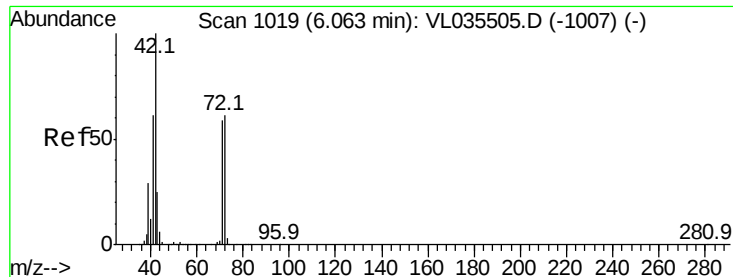
88 100

58 89.7 68.7 103.1

43 140.1 104.3 156.5

57 755.0 560.7 841.1

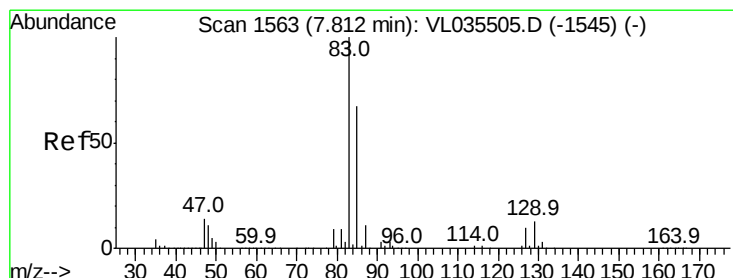
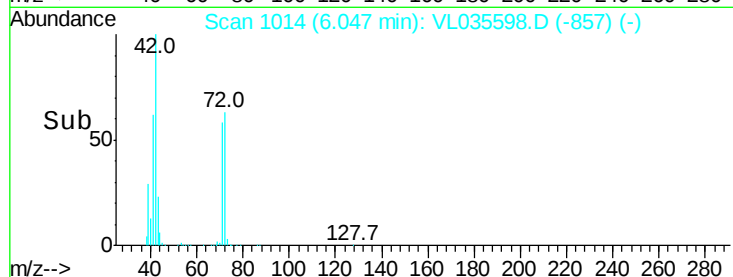
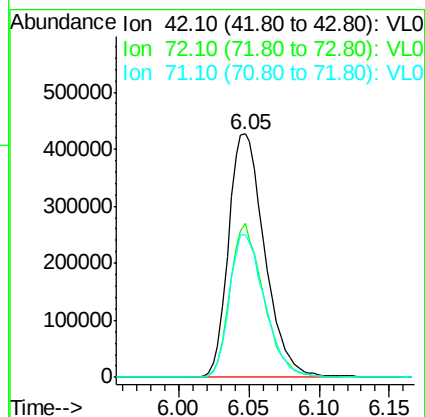
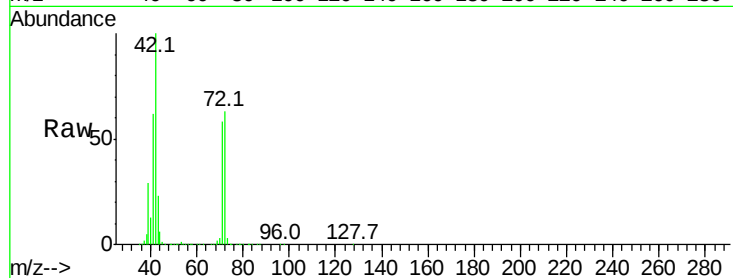




#41
Tetrahydrofuran
Concen: 11.095 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

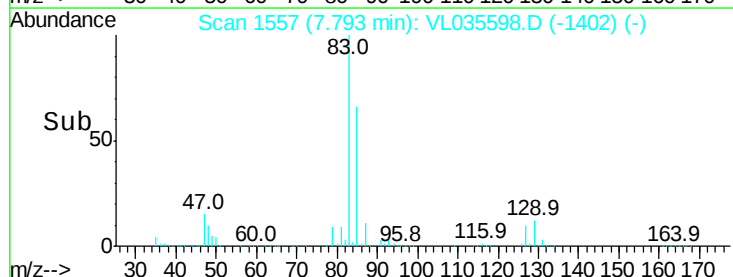
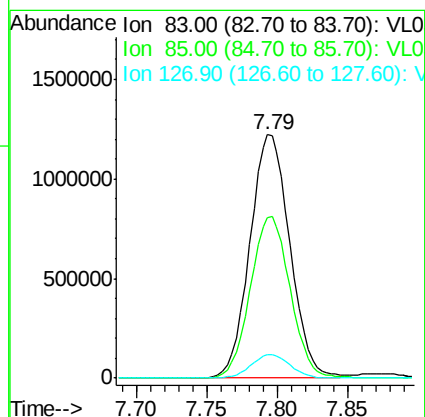
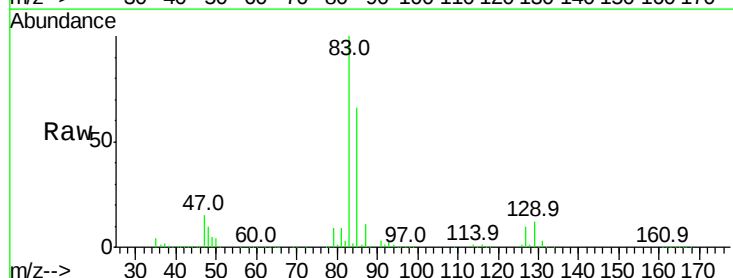
Instrument :
MSVOA_L
ClientSampleId :
VL0914ABS01

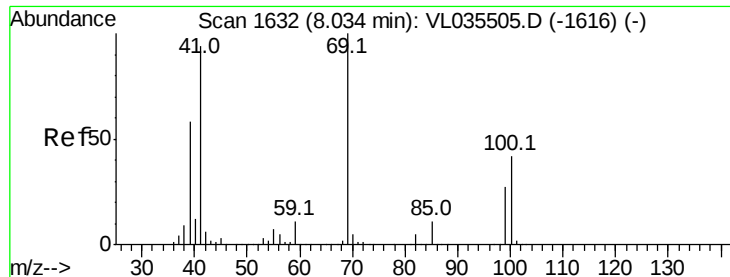
Tgt Ion: 42 Resp: 764775
Ion Ratio Lower Upper
42 100
72 59.2 48.6 73.0
71 57.4 46.1 69.1



#42
Bromodichloromethane
Concen: 11.067 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

Tgt Ion: 83 Resp: 2419334
Ion Ratio Lower Upper
83 100
85 65.8 53.7 80.5
127 9.6 8.1 12.1

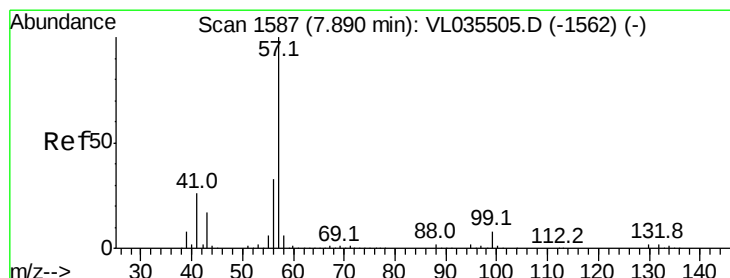
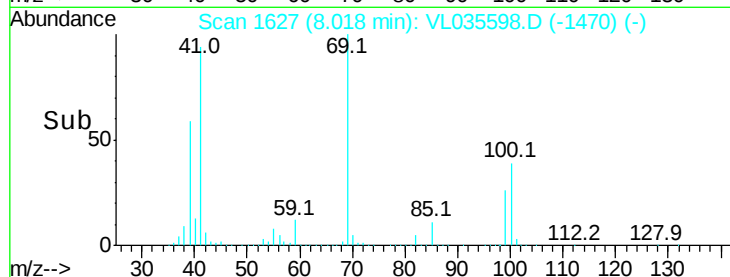
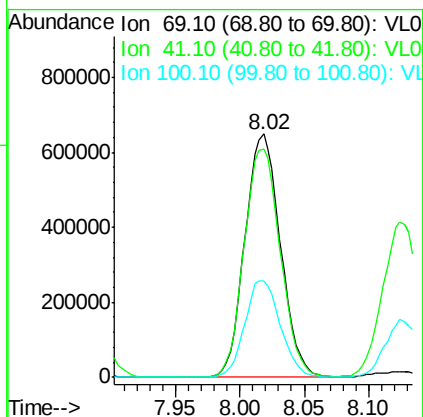
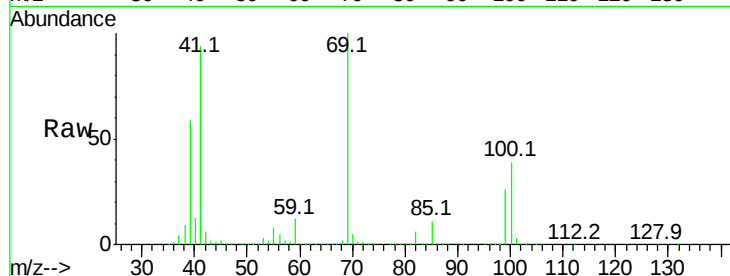




#43
Methyl Methacrylate
Concen: 11.360 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

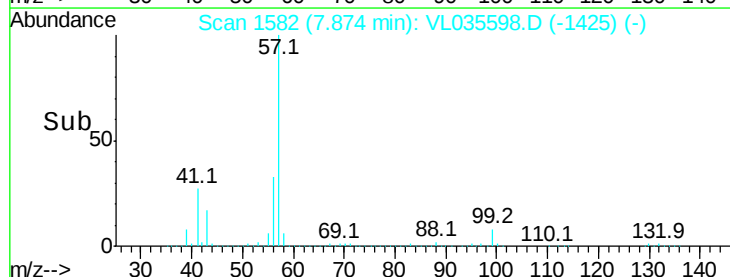
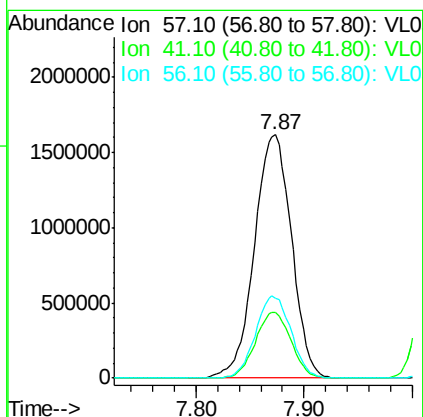
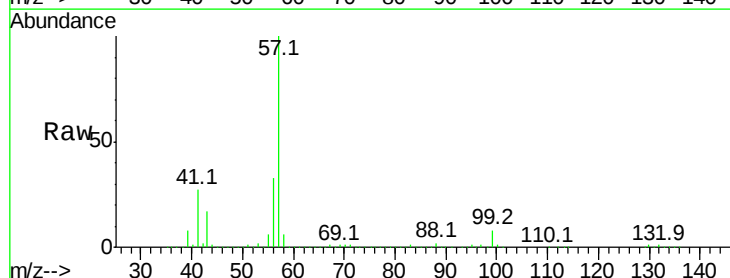
Instrument :
MSVOA_L
ClientSampleId :
VL0914ABS01

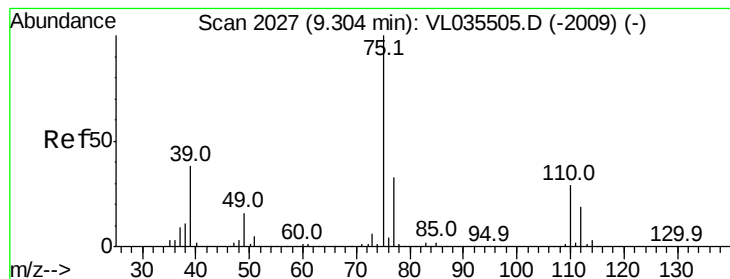
Tgt Ion: 69 Resp: 1245477
Ion Ratio Lower Upper
69 100
41 96.1 76.6 114.8
100 39.9 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 10.360 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

Tgt Ion: 57 Resp: 3864917
Ion Ratio Lower Upper
57 100
41 26.0 20.5 30.7
56 32.1 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.447 ppbv

RT: 9.29 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

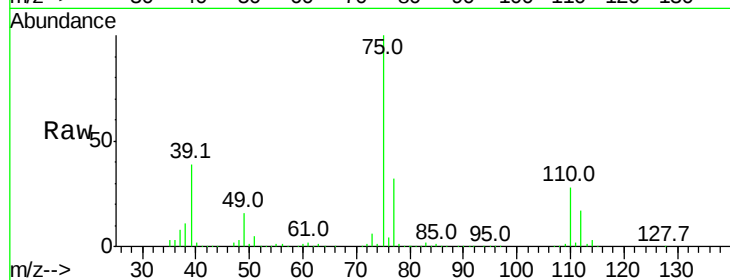
VL0914ABS01

Tgt Ion: 75 Resp: 1382464

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

800000

600000

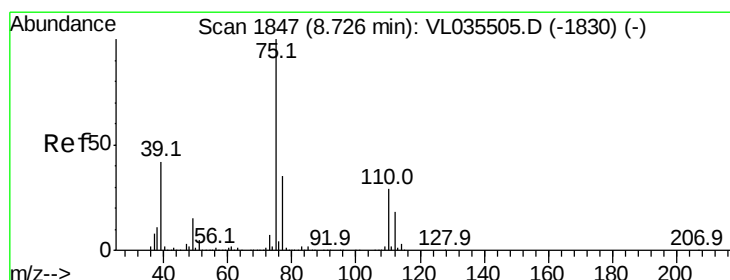
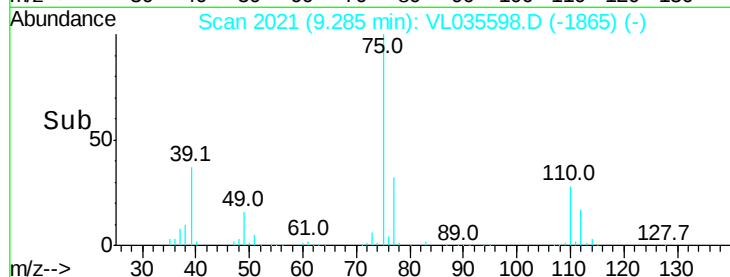
400000

200000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.927 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

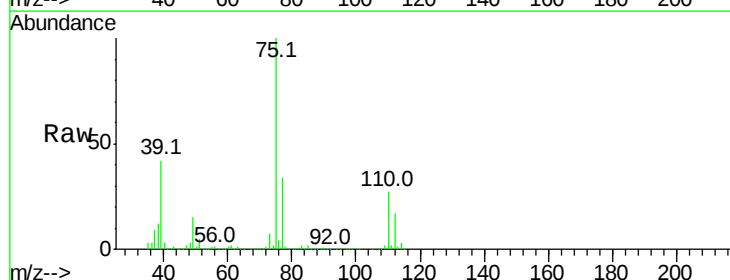
Tgt Ion: 75 Resp: 1644755

Ion Ratio Lower Upper

75 100

39 41.7 33.7 50.5

77 34.0 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.71

1000000

800000

600000

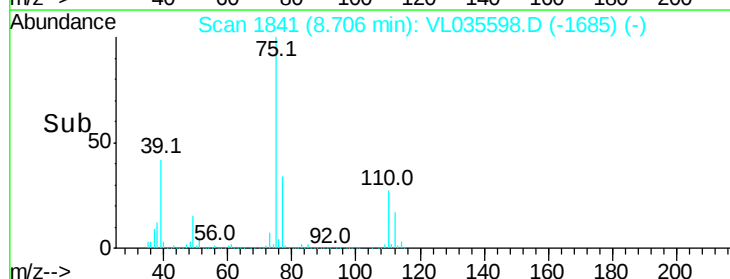
400000

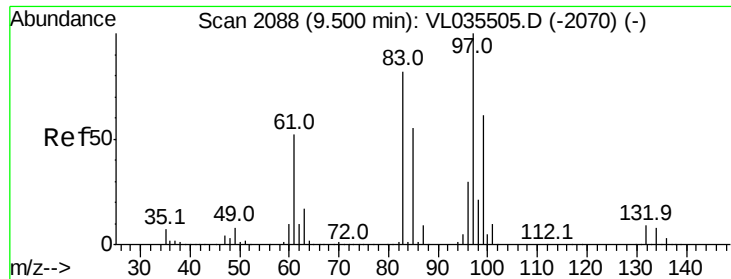
200000

0

8.60 8.65 8.70 8.75 8.80

Time-->

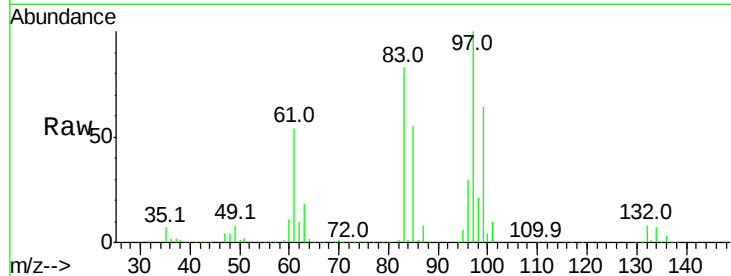




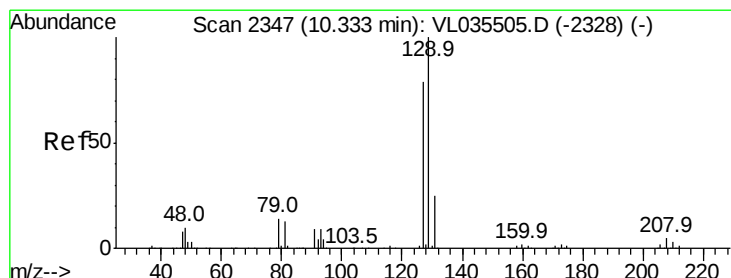
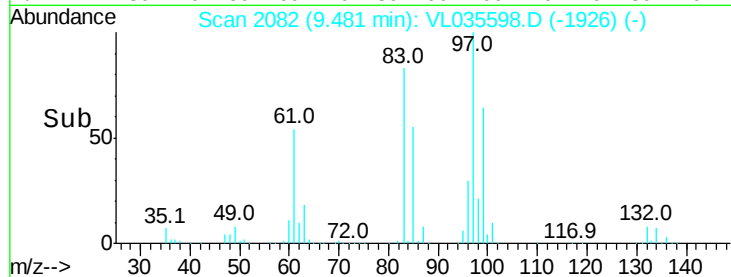
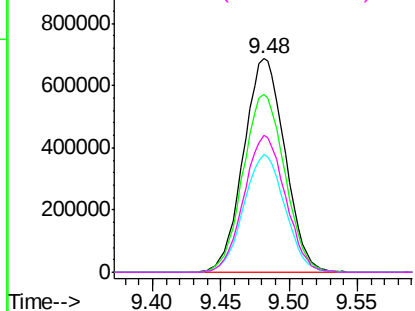
#47
 1,1,2-Trichloroethane
 Concen: 10.248 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

Tgt Ion: 97 Resp: 1448448
 Ion Ratio Lower Upper
 97 100
 83 83.3 65.4 98.2
 85 55.2 43.7 65.5
 99 64.2 49.1 73.7

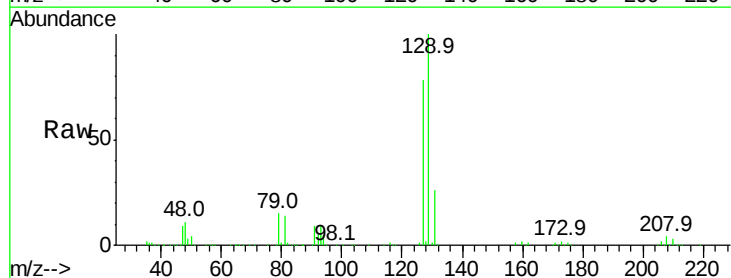


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

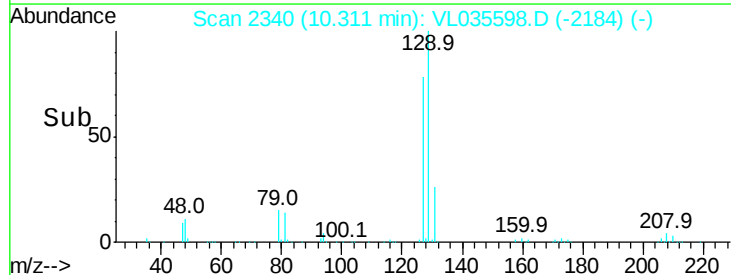
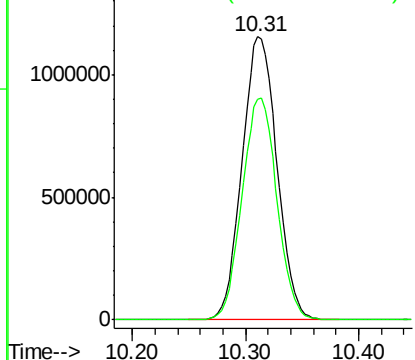


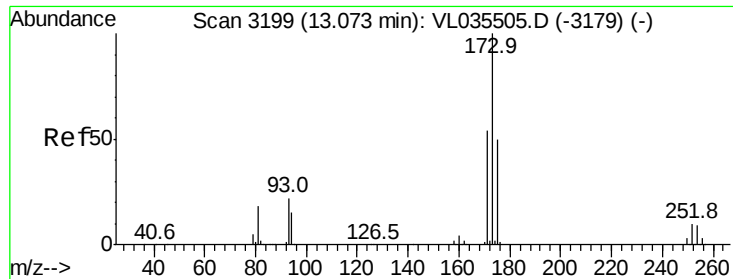
#48
 Dibromochloromethane
 Concen: 11.152 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 129 Resp: 2480678
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.3 117.8



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

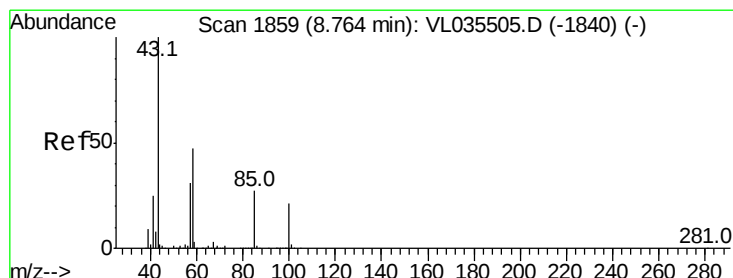
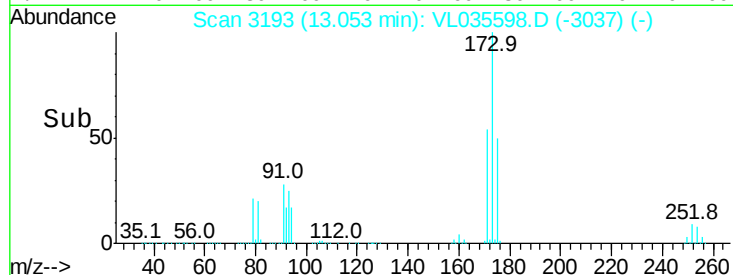
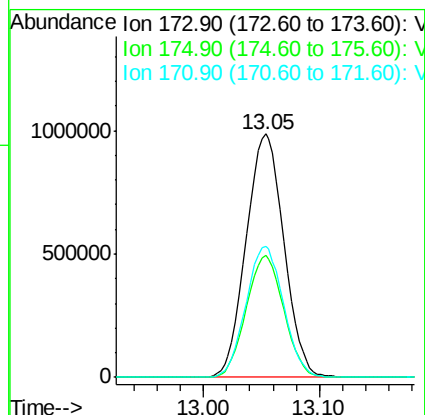
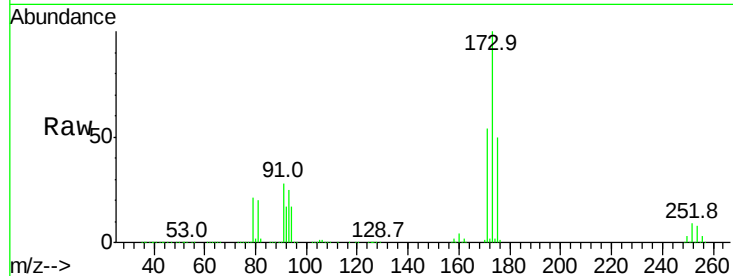




#49
Bromoform
Concen: 11.121 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

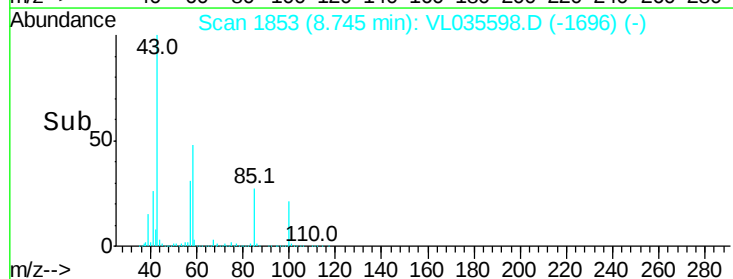
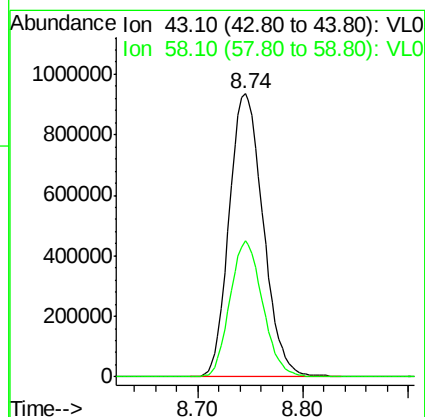
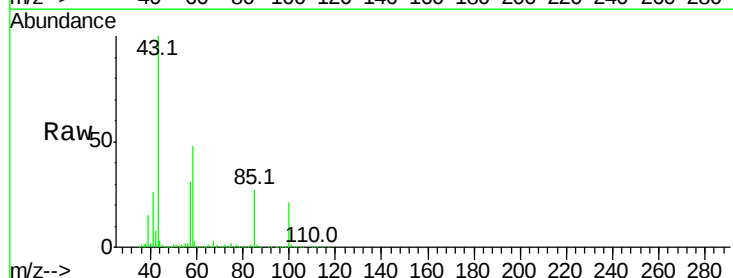
Instrument :
MSVOA_L
ClientSampleId :
VL0914ABS01

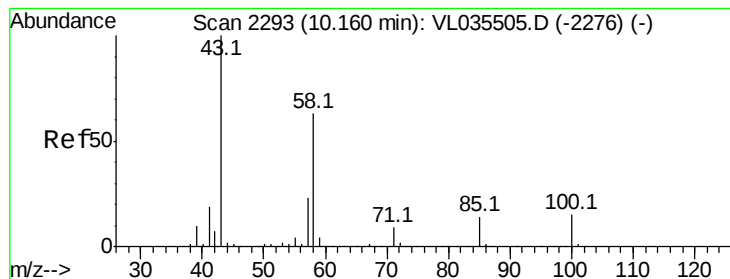
Tgt Ion:173 Resp: 2241950
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.8
171 53.7 42.4 63.6



#50
4-Methyl-2-Pentanone
Concen: 11.115 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

Tgt Ion: 43 Resp: 2092262
Ion Ratio Lower Upper
43 100
58 46.4 37.4 56.0





#51

2-Hexanone

Concen: 11.803 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

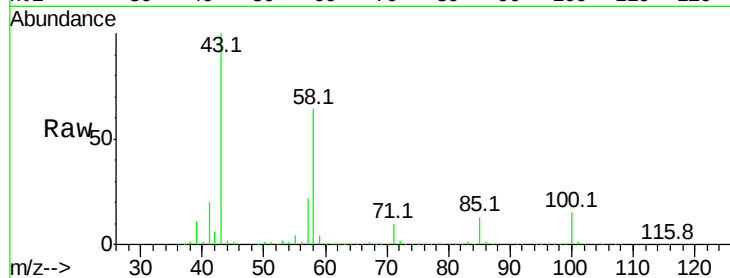
Tgt Ion: 43 Resp: 1822528

Ion Ratio Lower Upper

43 100

58 61.8 50.2 75.4

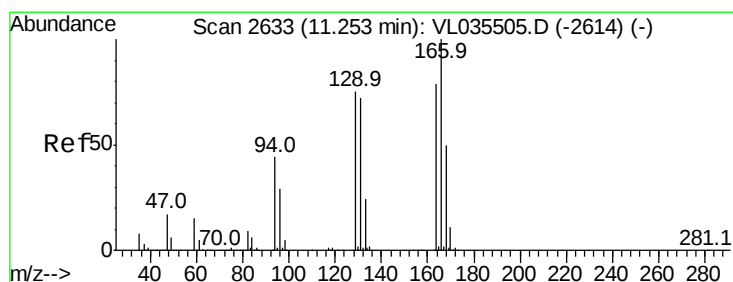
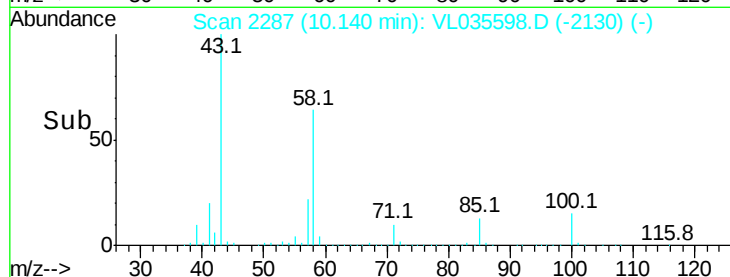
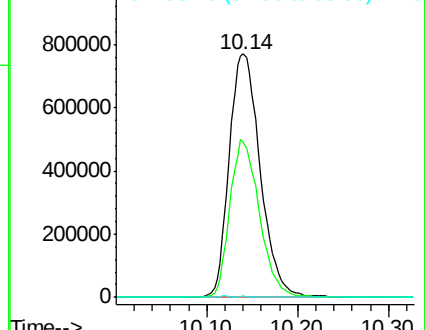
98 0.7 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.913 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 164 Resp: 1476291

Ion Ratio Lower Upper

164 100

166 125.7 100.9 151.3

129 98.4 75.3 112.9

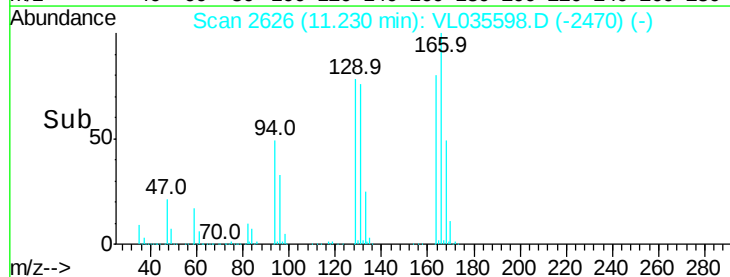
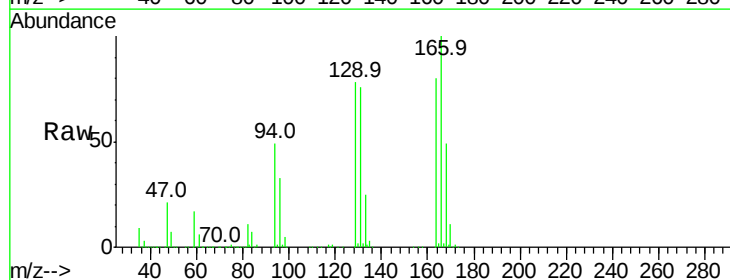
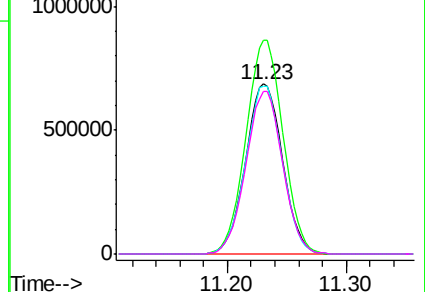
131 95.8 73.0 109.4

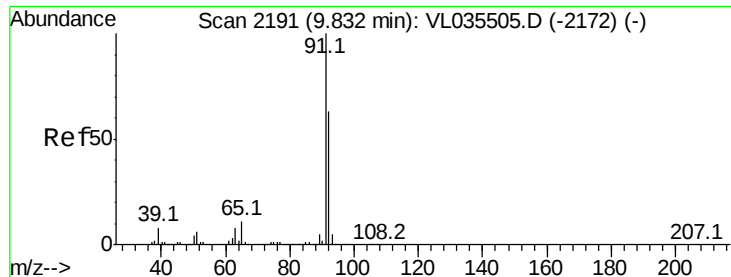
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.483 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

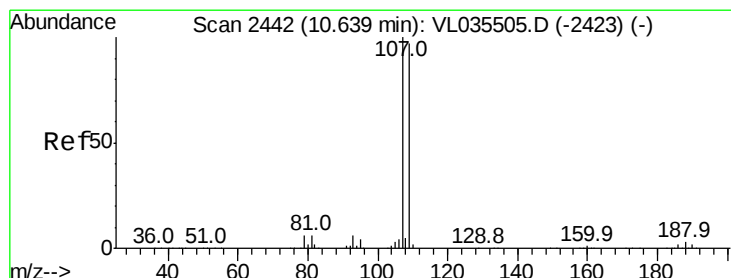
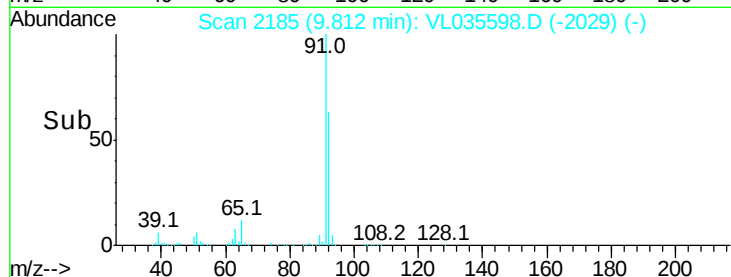
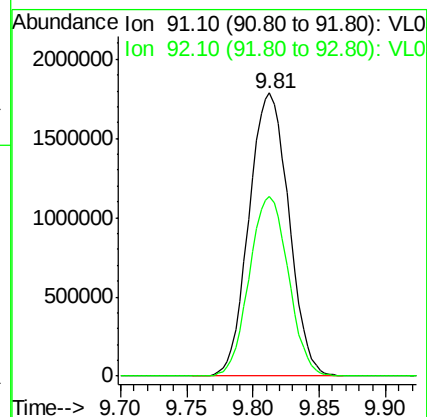
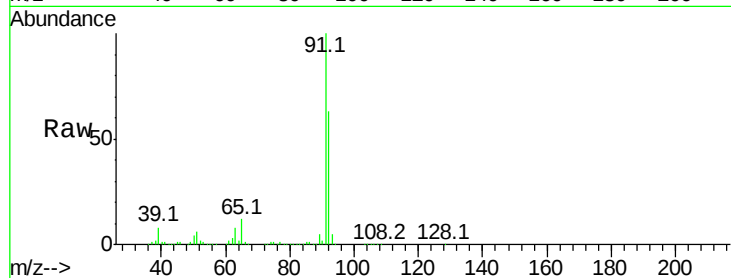
VL0914ABS01

Tgt Ion: 91 Resp: 3737829

Ion Ratio Lower Upper

91 100

92 62.3 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.285 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL035598.D

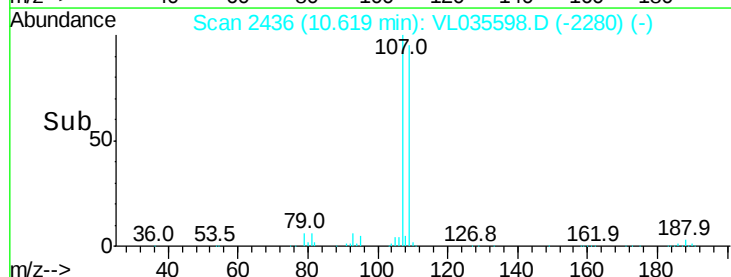
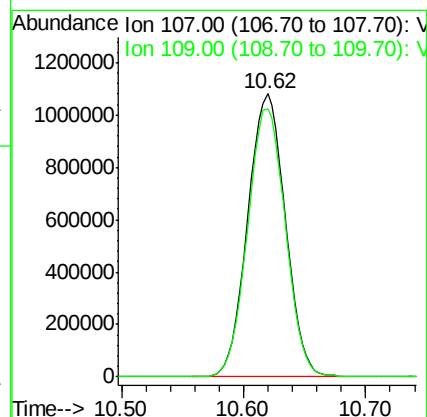
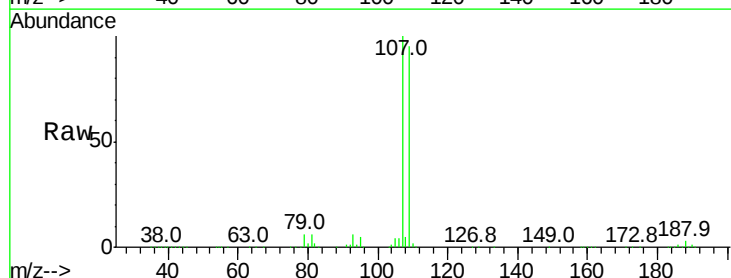
Acq: 14 Sep 2020 14:05

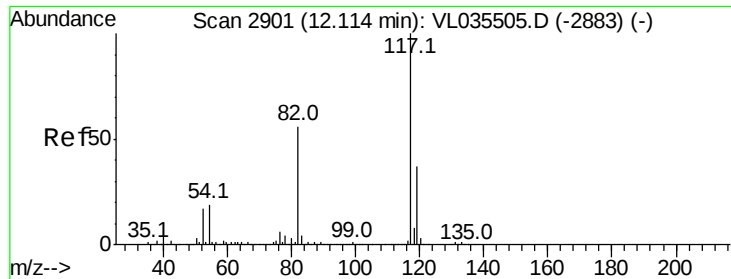
Tgt Ion: 107 Resp: 2296957

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

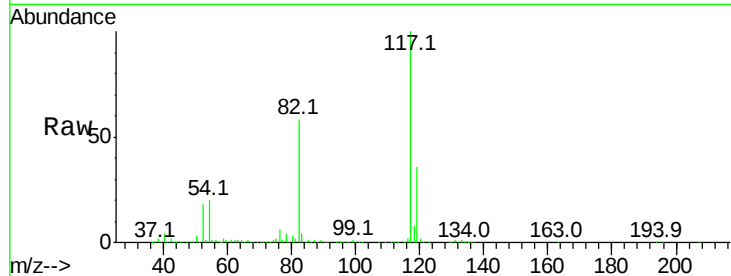
Tgt Ion:117 Resp: 5585770

Ion Ratio Lower Upper

117 100

82 45.4 41.6 62.4

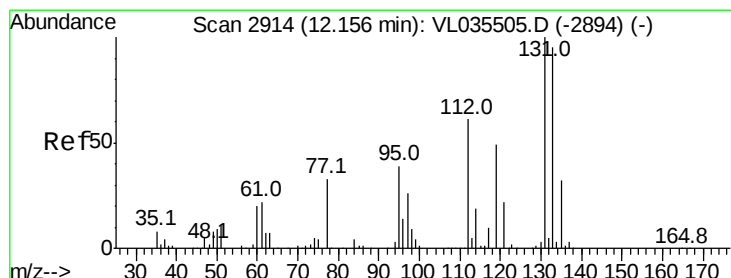
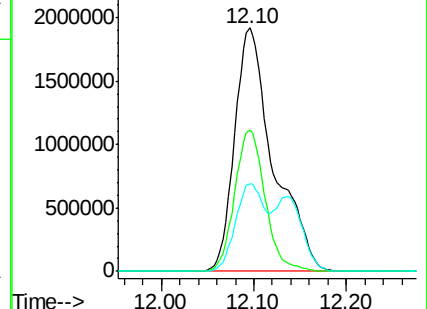
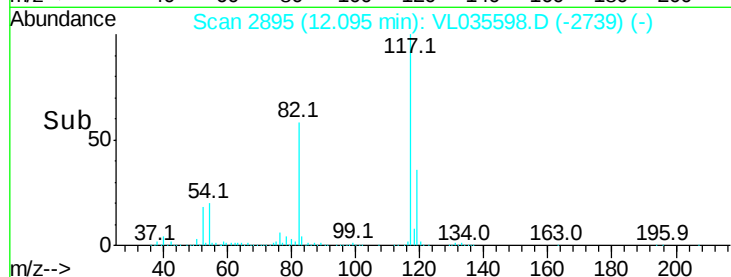
119 29.3 29.3 43.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.527 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

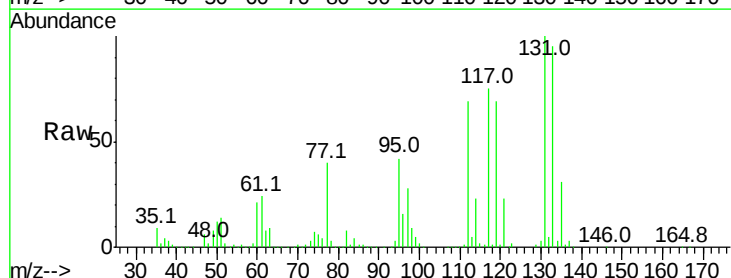
Tgt Ion:131 Resp: 1938124

Ion Ratio Lower Upper

131 100

133 95.5 76.6 115.0

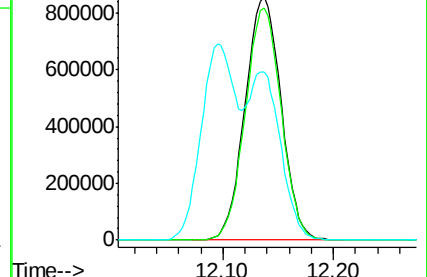
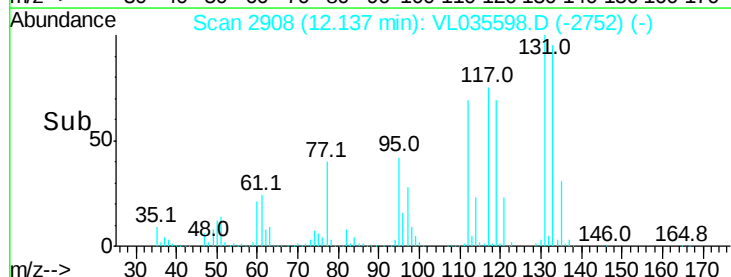
119 63.2 51.6 77.4

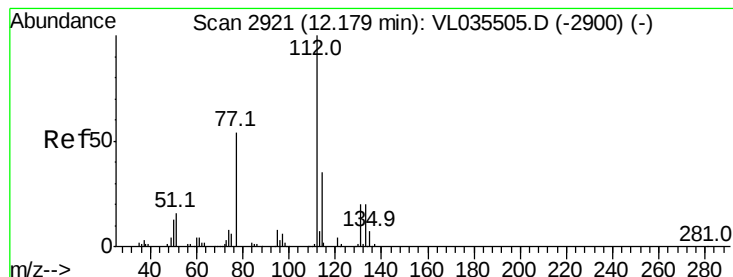


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.835 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

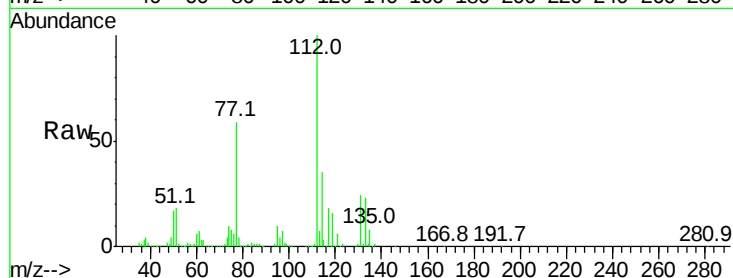
Tgt Ion:112 Resp: 3221141

Ion Ratio Lower Upper

112 100

77 58.4 44.2 66.4

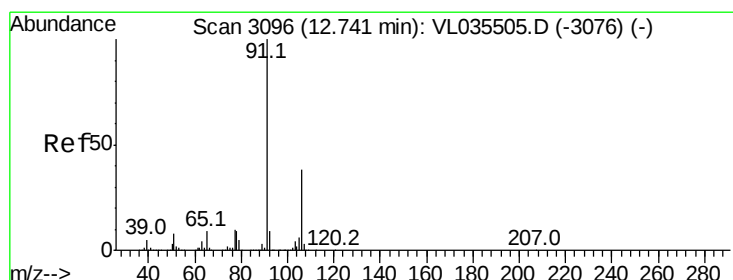
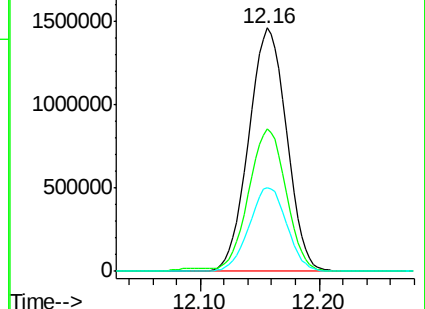
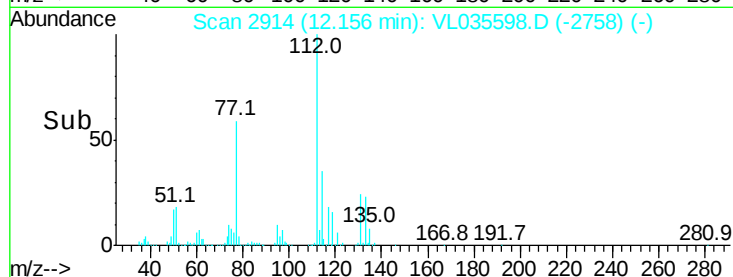
114 34.5 31.6 38.6



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: 8.568 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.00 min

Lab File: VL035598.D

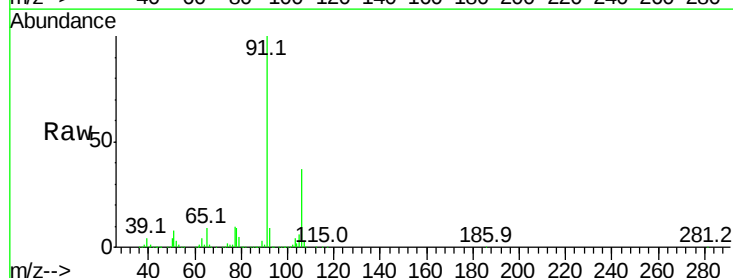
Acq: 14 Sep 2020 14:05

Tgt Ion: 91 Resp: 4935351

Ion Ratio Lower Upper

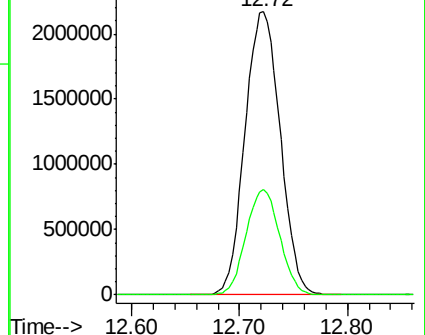
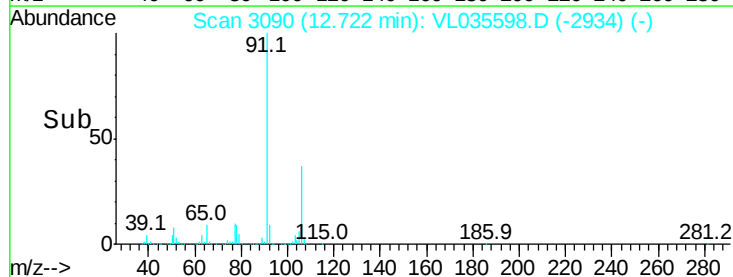
91 100

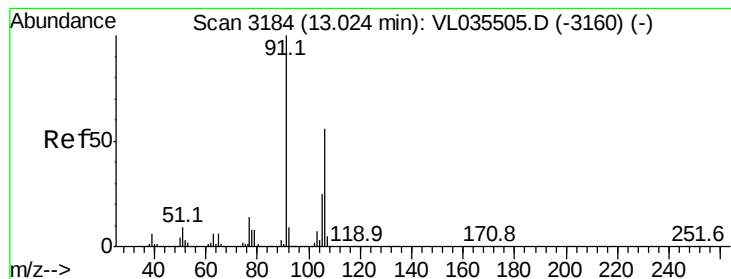
106 37.2 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.723 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

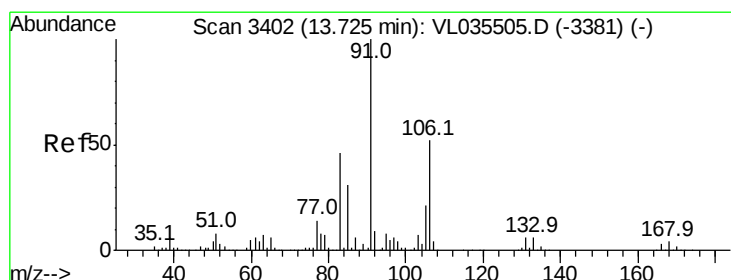
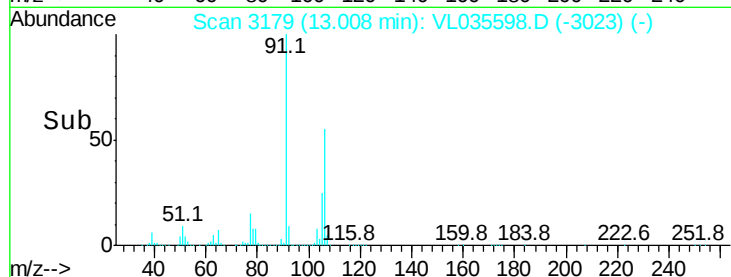
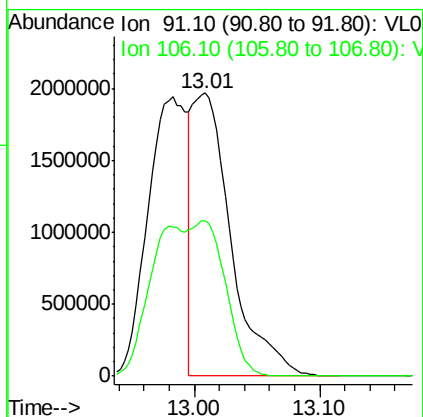
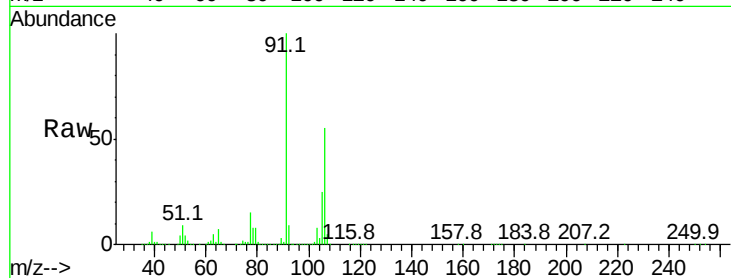
VL0914ABS01

Tgt Ion: 91 Resp: 4198653

Ion Ratio Lower Upper

91 100

106 101.9 43.4 65.2#



#60

o-Xylene

Concen: 8.560 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035598.D

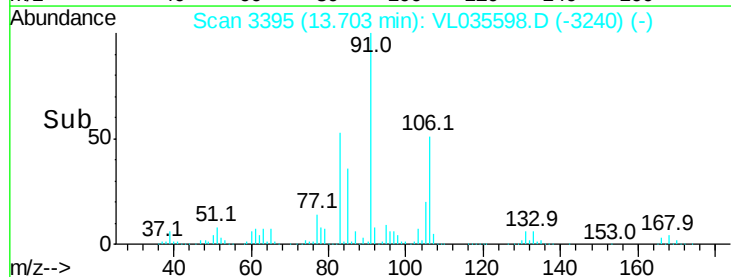
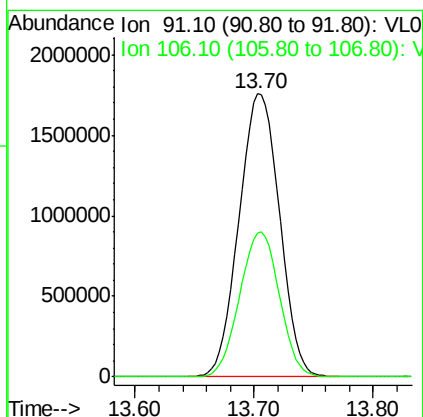
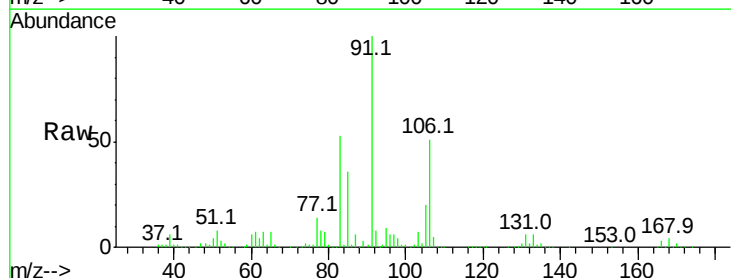
Acq: 14 Sep 2020 14:05

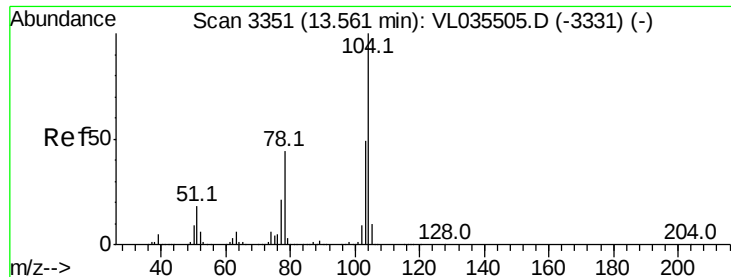
Tgt Ion: 91 Resp: 4149503

Ion Ratio Lower Upper

91 100

106 50.3 25.8 77.4

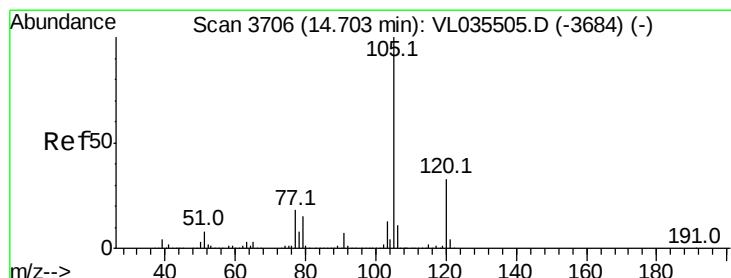
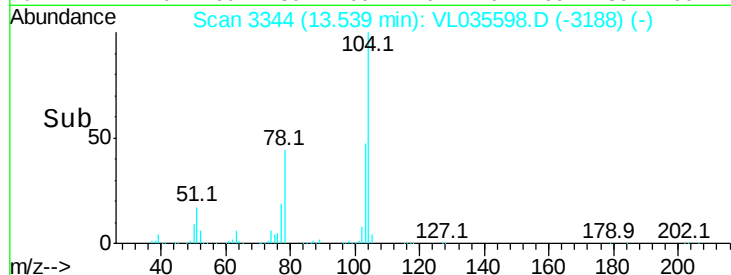
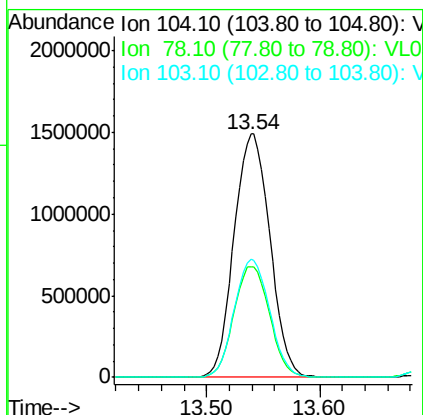
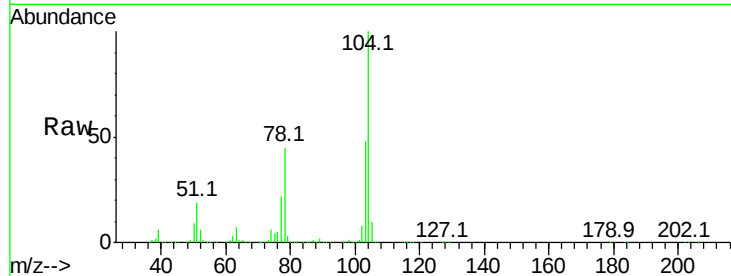




#61
 Styrene
 Concen: 8.901 ppbv
 RT: 13.54 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

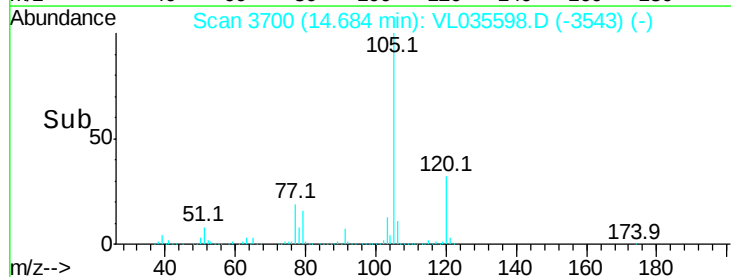
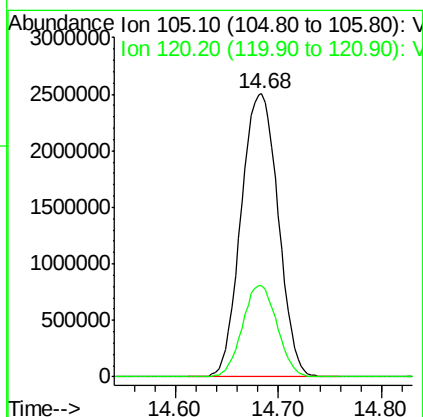
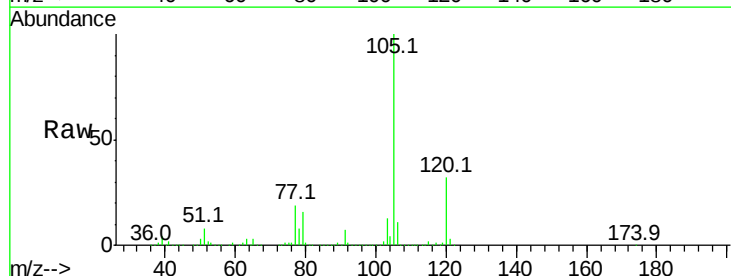
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

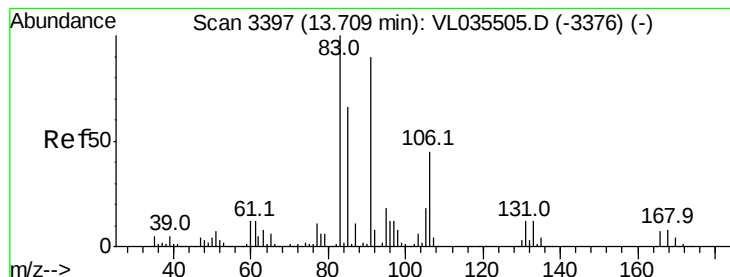
Tgt Ion:104 Resp: 3299977
 Ion Ratio Lower Upper
 104 100
 78 45.4 34.8 52.2
 103 47.8 38.2 57.4



#62
 Isopropylbenzene
 Concen: 8.048 ppbv
 RT: 14.68 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion:105 Resp: 6266498
 Ion Ratio Lower Upper
 105 100
 120 30.3 25.0 37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.940 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

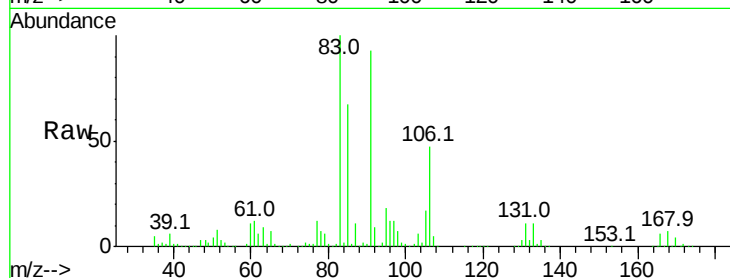
Tgt Ion: 83 Resp: 2984227

Ion	Ratio	Lower	Upper
83	100		
131	11.1	6.0	18.0
85	66.7	33.4	100.2

83 100

131 11.1 6.0 18.0

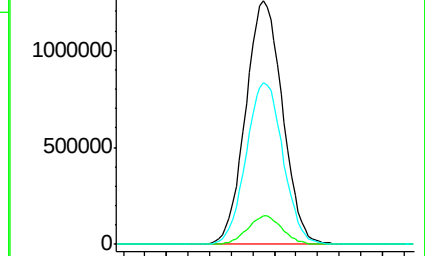
85 66.7 33.4 100.2



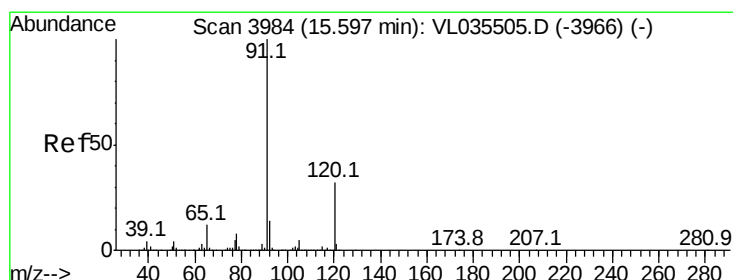
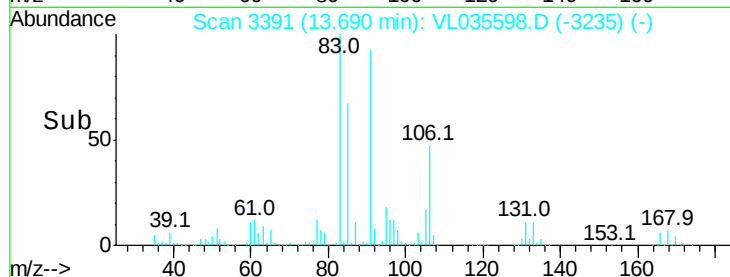
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 8.273 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL035598.D

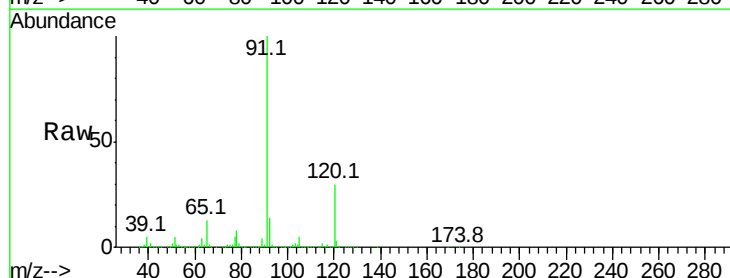
Acq: 14 Sep 2020 14:05

Tgt Ion: 120 Resp: 1966043

Ion	Ratio	Lower	Upper
120	100		
91	369.6	279.4	419.0

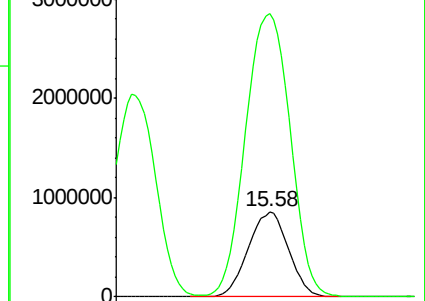
120 100

91 369.6 279.4 419.0

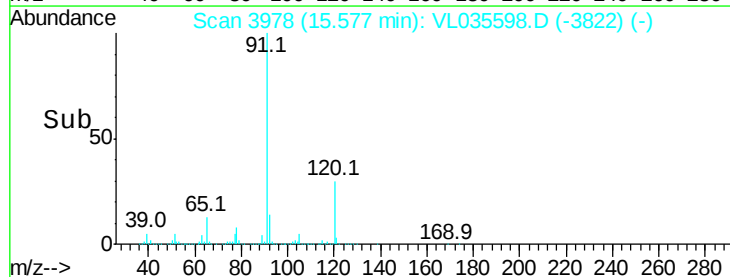


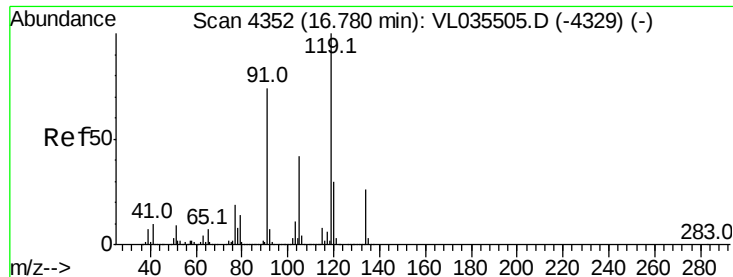
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time-->

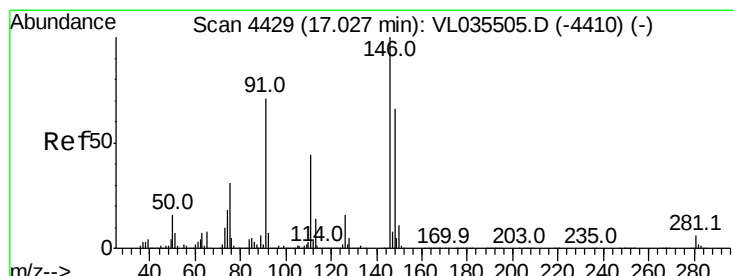
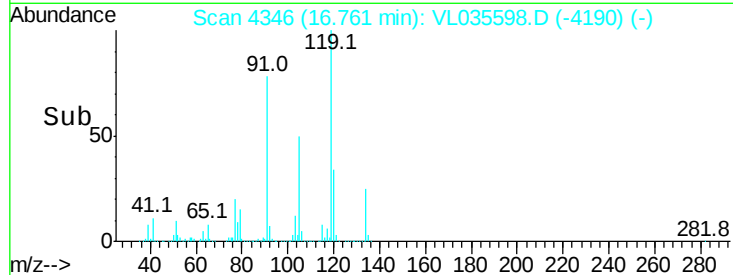
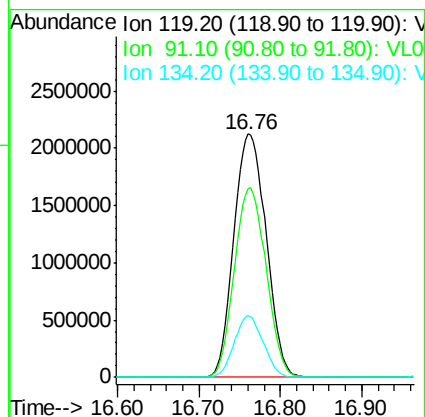
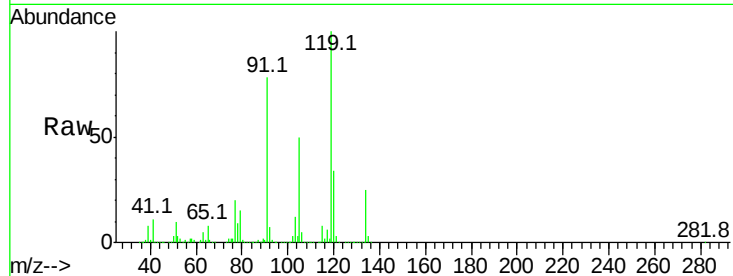




#65
 tert-Butylbenzene
 Concen: 8.101 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

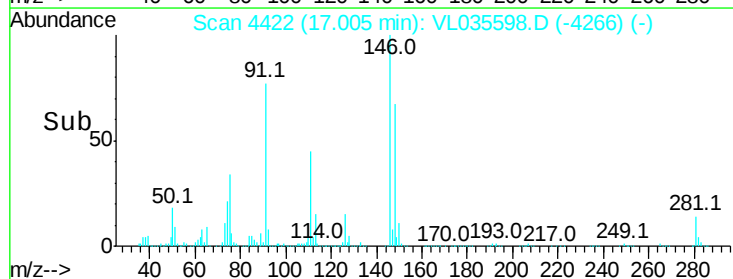
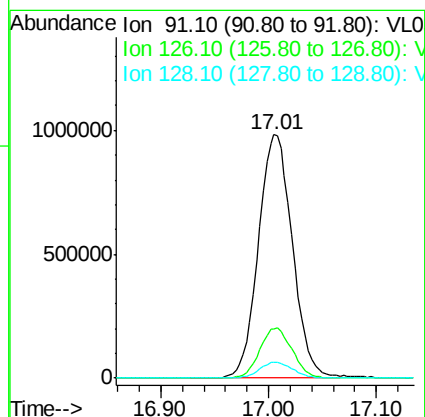
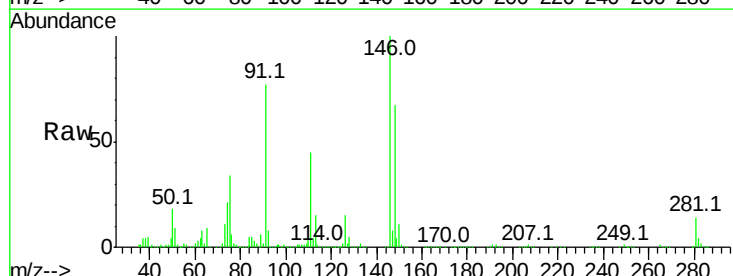
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

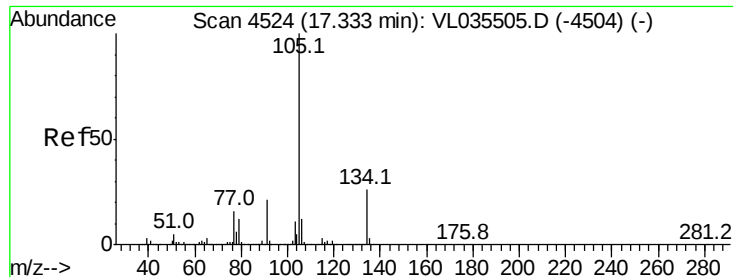
Tgt Ion: 119 Resp: 5864018
 Ion Ratio Lower Upper
 119 100
 91 76.4 58.6 87.8
 134 22.8 18.9 28.3



#66
 Benzyl Chloride
 Concen: 11.904 ppbv
 RT: 17.01 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 91 Resp: 2141528
 Ion Ratio Lower Upper
 91 100
 126 19.8 17.2 25.8
 128 6.4 5.5 8.3

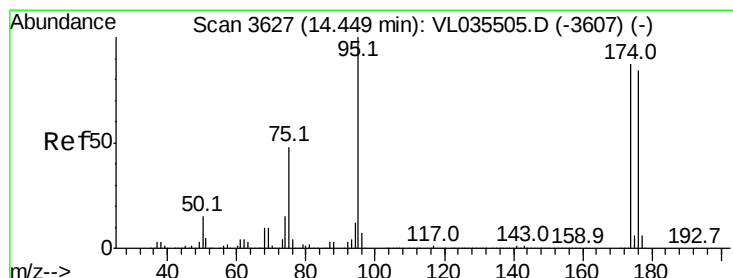
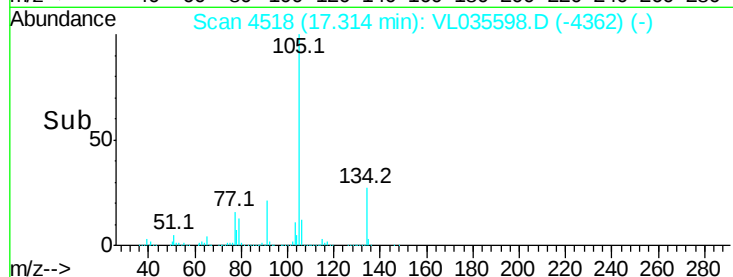
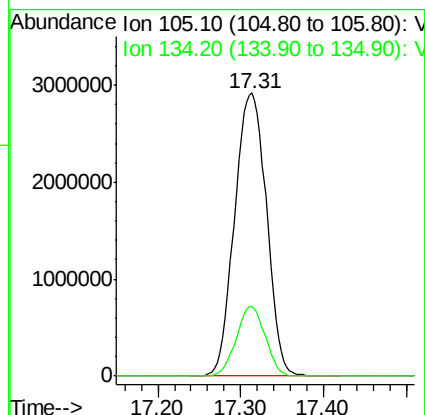
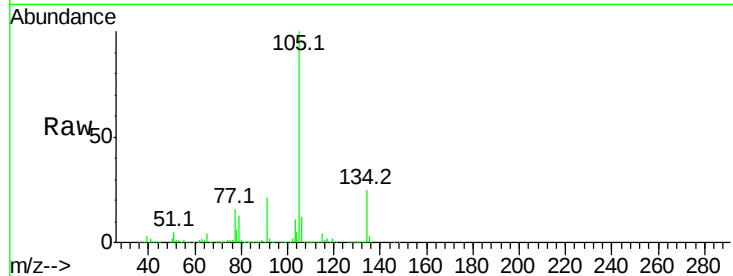




#67
 sec-Butylbenzene
 Concen: 8.078 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

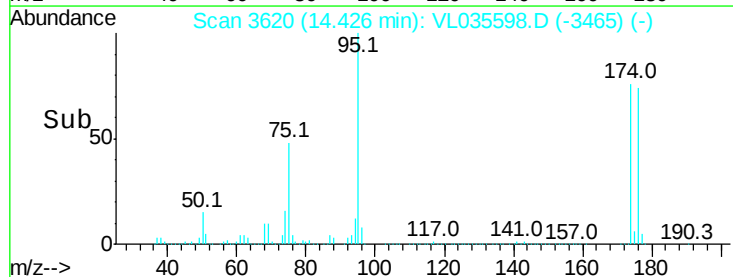
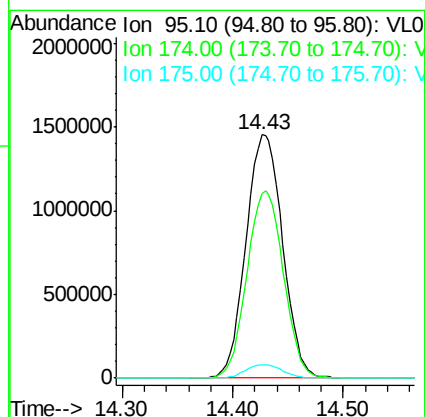
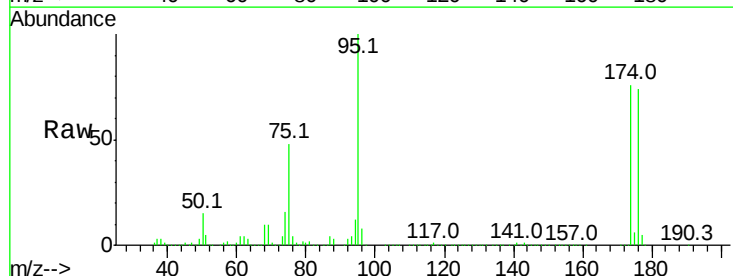
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

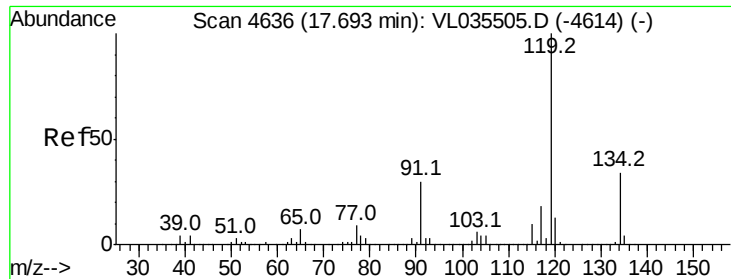
Tgt Ion: 105 Resp: 7790402
 Ion Ratio Lower Upper
 105 100
 134 22.4 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.436 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 95 Resp: 3346506
 Ion Ratio Lower Upper
 95 100
 174 77.0 69.6 104.4
 175 5.6 5.1 7.7

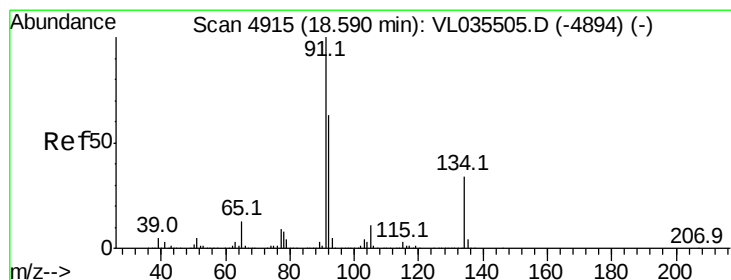
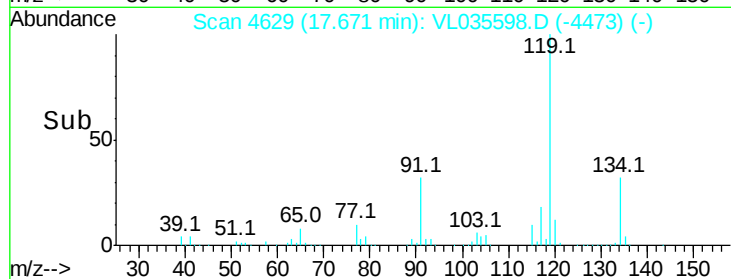
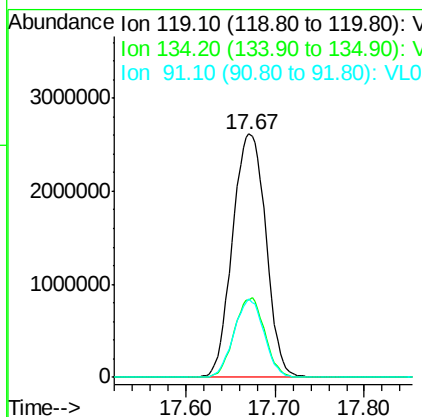
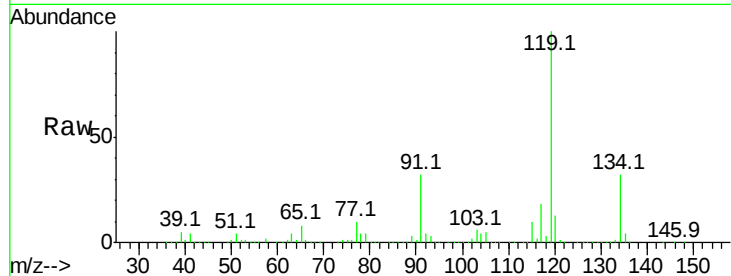




#69
 p-Isopropyltoluene
 Concen: 8.013 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

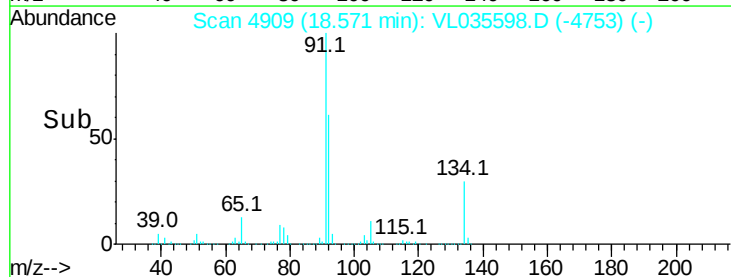
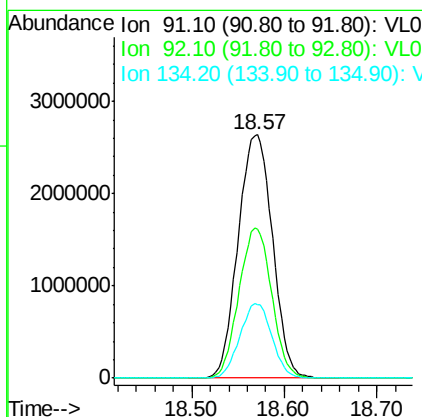
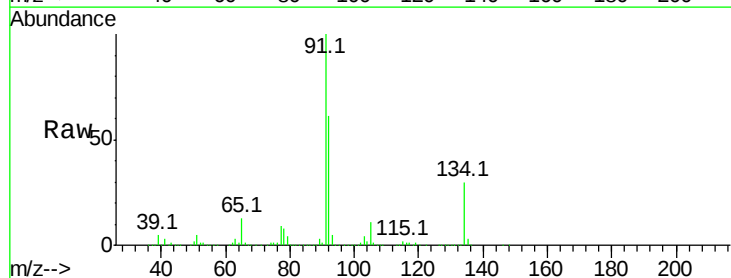
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

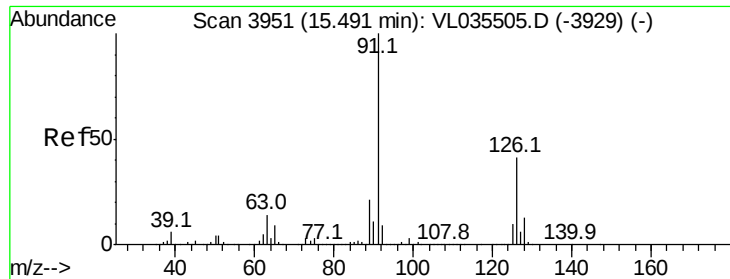
Tgt Ion: 119 Resp: 6778421
 Ion Ratio Lower Upper
 119 100
 134 30.0 25.0 37.4
 91 29.1 22.3 33.5



#70
 n-Butylbenzene
 Concen: 8.335 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 91 Resp: 6791958
 Ion Ratio Lower Upper
 91 100
 92 58.7 47.3 70.9
 134 28.5 24.6 37.0





#71

2-Chlorotoluene

Concen: 8.565 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

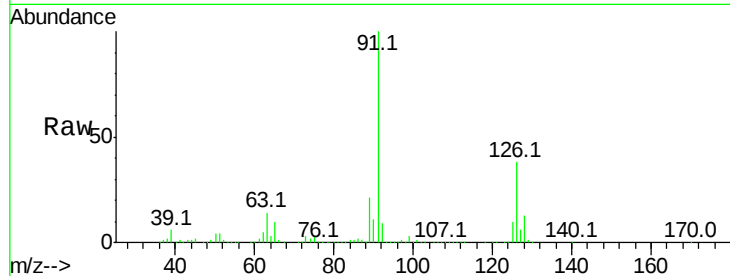
VL0914ABS01

Tgt Ion: 91 Resp: 4857148

Ion Ratio Lower Upper

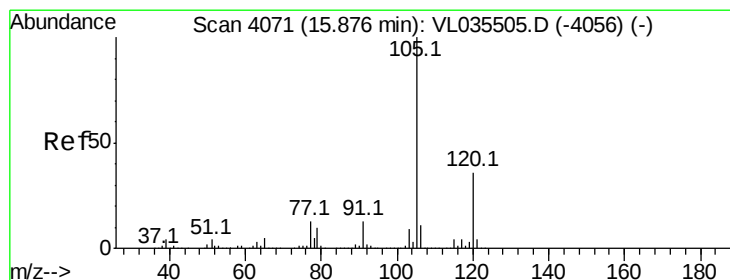
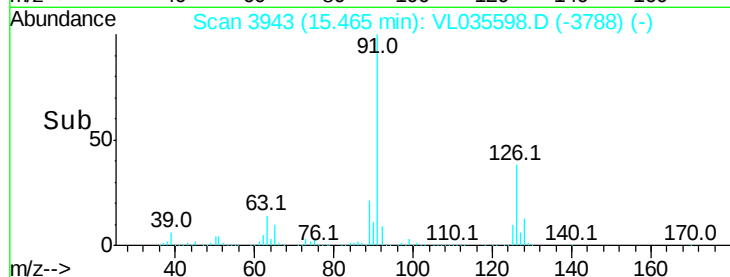
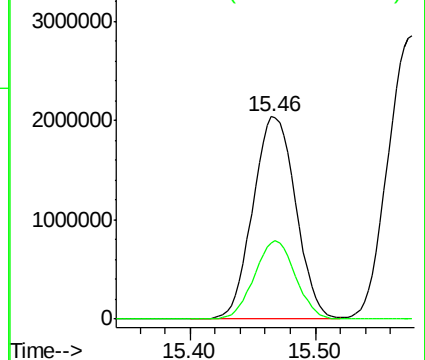
91 100

126 37.0 15.6 62.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 8.509 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 105 Resp: 5243931

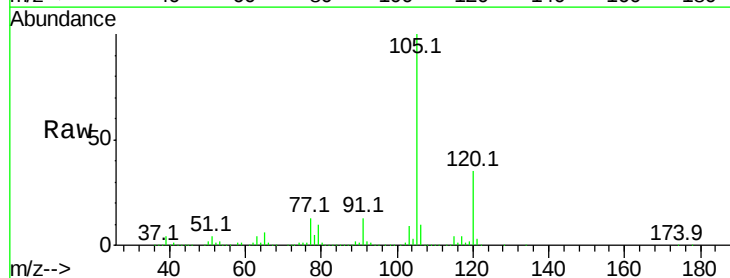
Ion Ratio Lower Upper

105 100

120 33.2 27.4 41.2

91 12.5 9.7 14.5

77 12.4 9.6 14.4

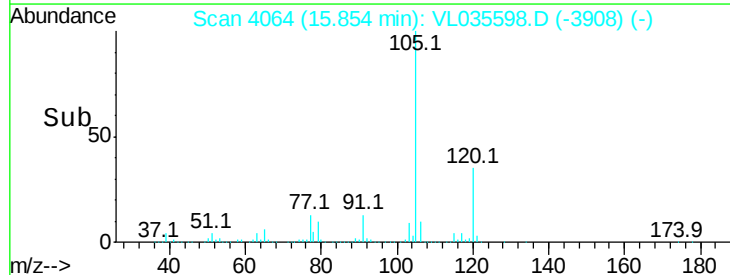
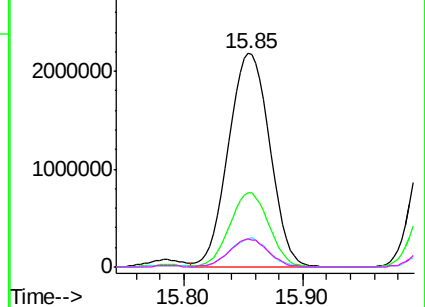


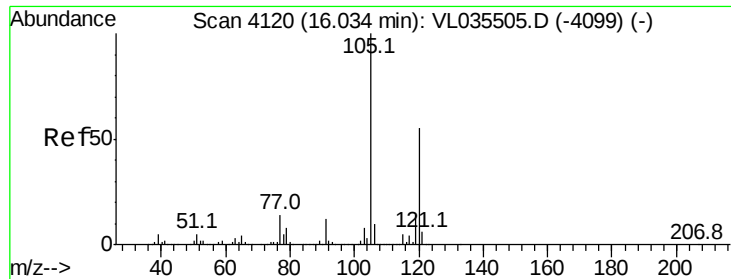
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.482 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

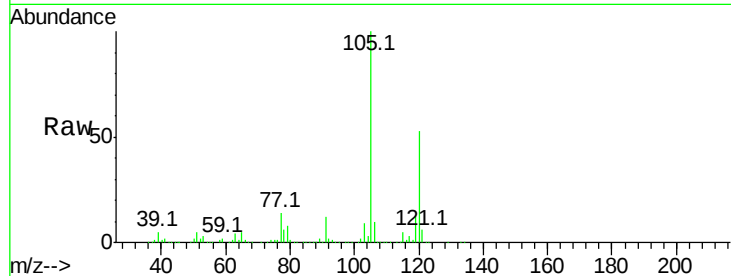
VL0914ABS01

Tgt Ion:105 Resp: 4834940

Ion Ratio Lower Upper

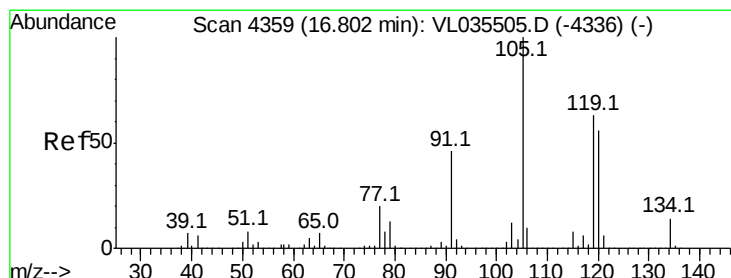
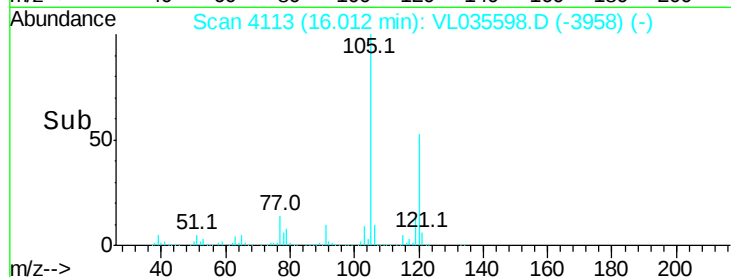
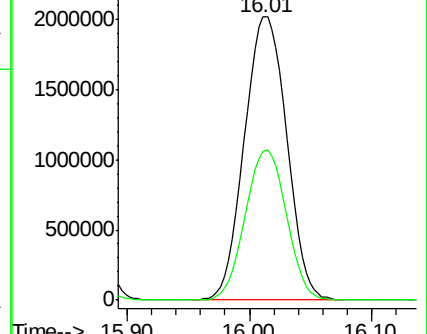
105 100

120 52.6 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: 8.148 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion:105 Resp: 5100507

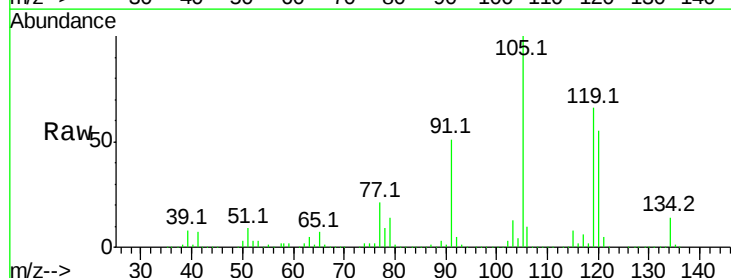
Ion Ratio Lower Upper

105 100

120 54.7 44.4 66.6

91 50.7 37.1 55.7

77 21.1 16.0 24.0

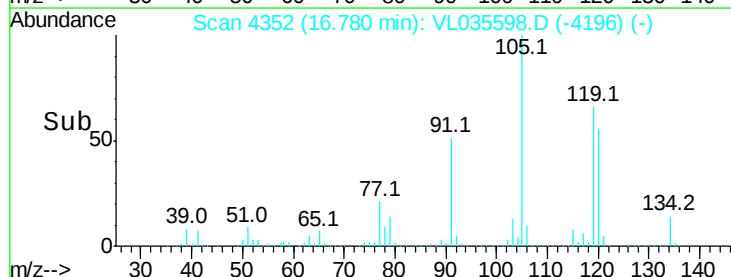
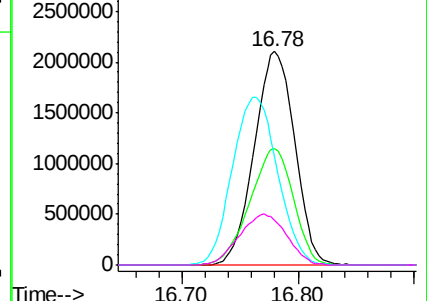


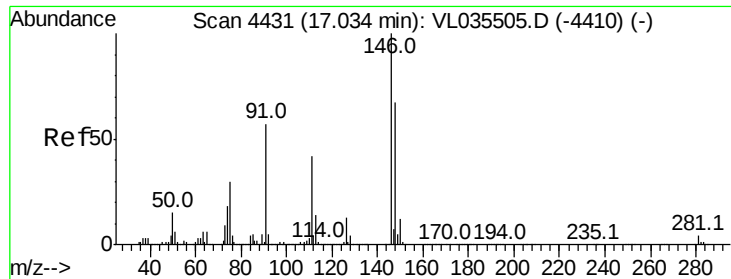
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.581 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

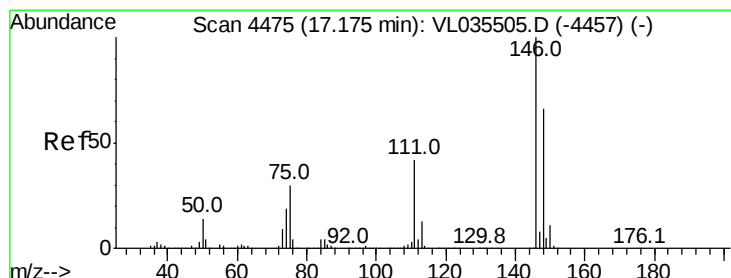
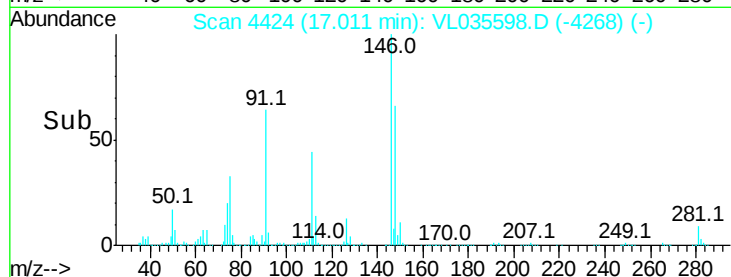
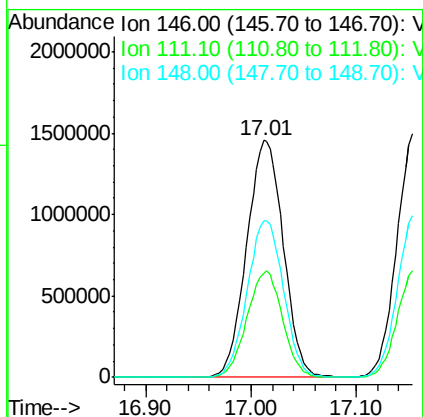
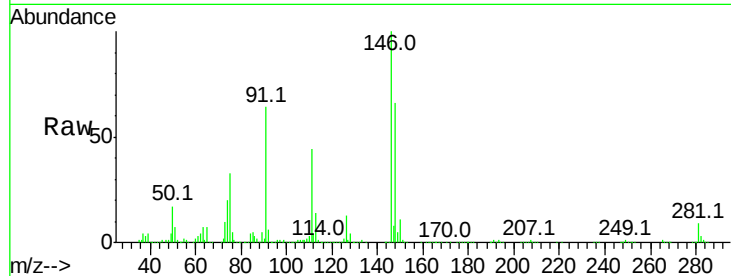
Tgt Ion:146 Resp: 3515216

Ion Ratio Lower Upper

146 100

111 43.7 20.7 62.1

148 65.7 33.0 98.9



#76

1,4-Dichlorobenzene

Concen: 7.774 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

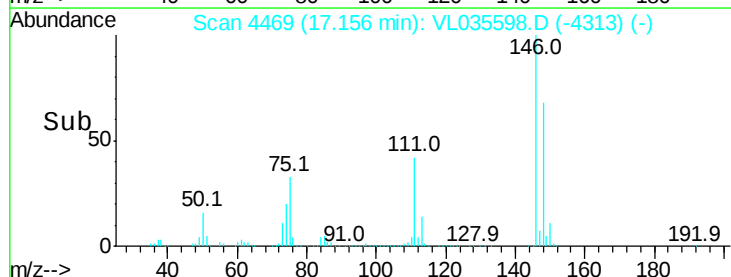
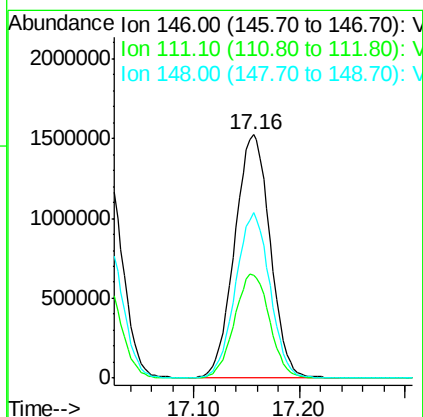
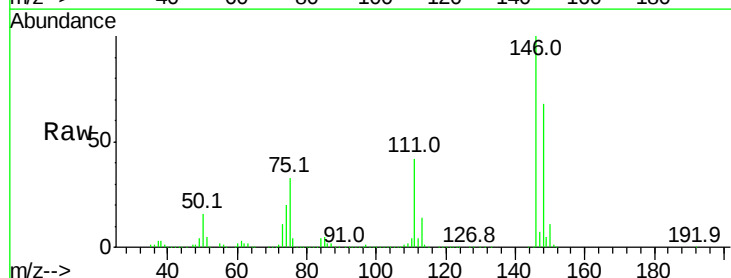
Tgt Ion:146 Resp: 3555141

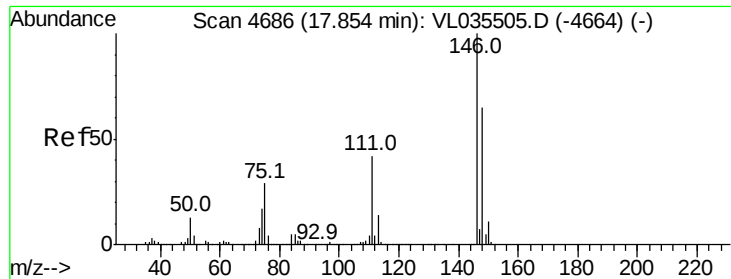
Ion Ratio Lower Upper

146 100

111 42.5 20.0 60.0

148 66.1 33.2 99.6

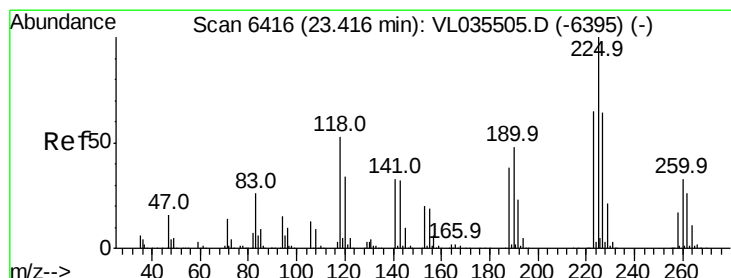
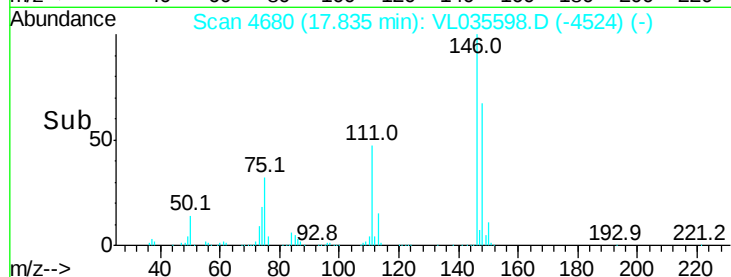
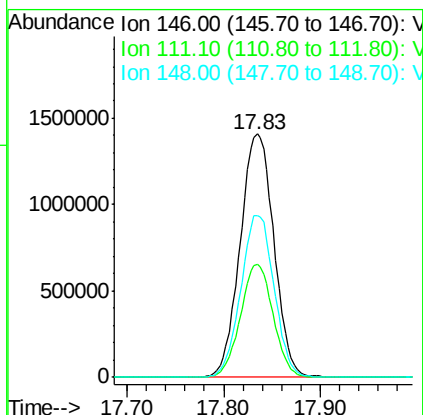
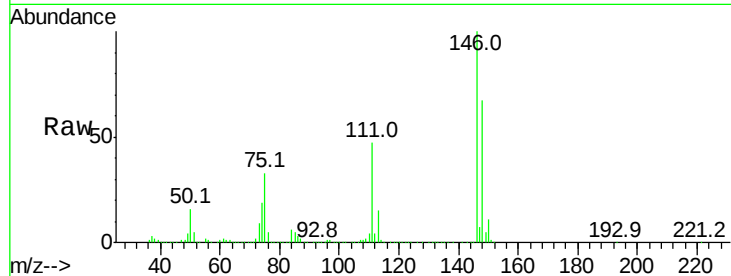




#77
 1,2-Dichlorobenzene
 Concen: 7.618 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

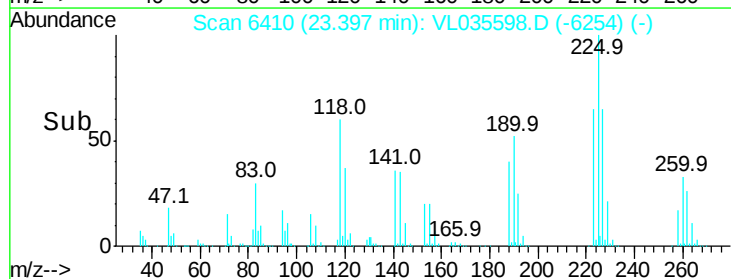
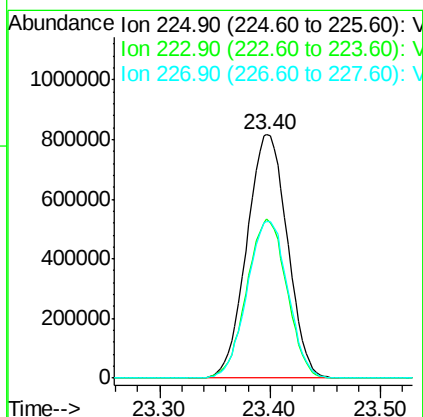
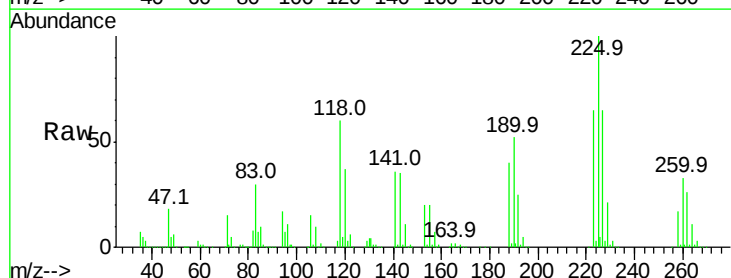
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

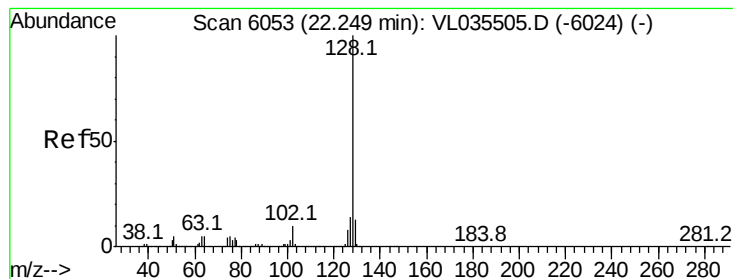
Tgt Ion:146 Resp: 3422186
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.3
 148 65.4 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.255 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion:225 Resp: 2080867
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.7 77.5
 227 64.8 51.5 77.3





#79

Naphthalene

Concen: 8.536 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

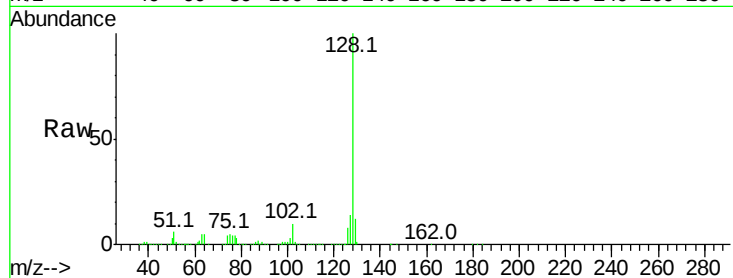
Tgt Ion:128 Resp: 5928866

Ion Ratio Lower Upper

128 100

127 13.9 11.4 17.2

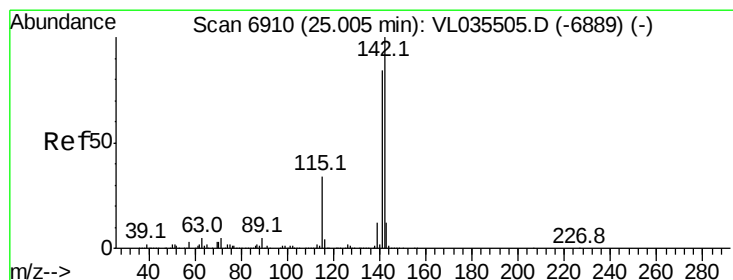
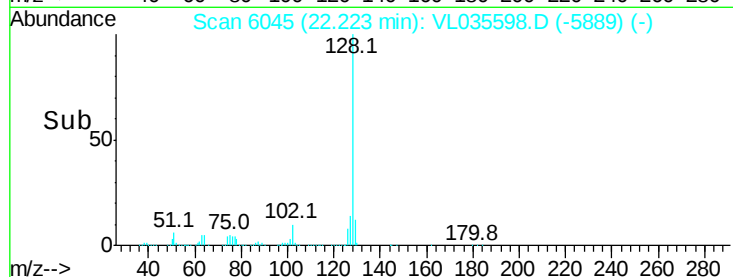
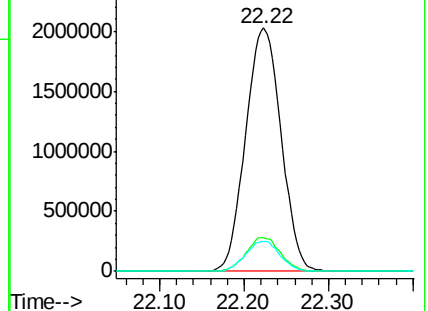
129 12.5 10.5 15.7



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: 9.280 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. -0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

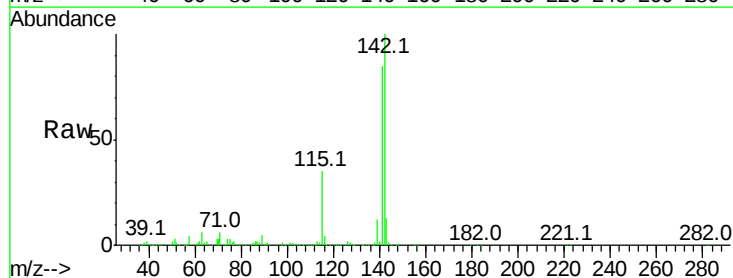
Tgt Ion:142 Resp: 2200003

Ion Ratio Lower Upper

142 100

141 84.8 67.6 101.4

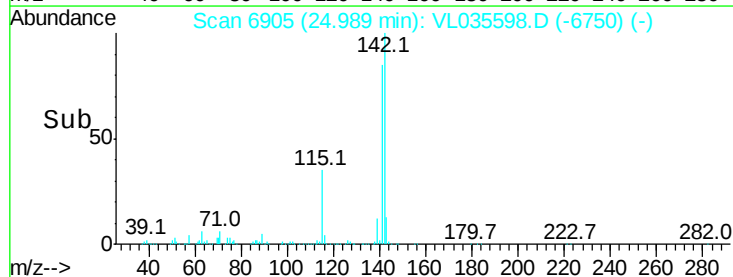
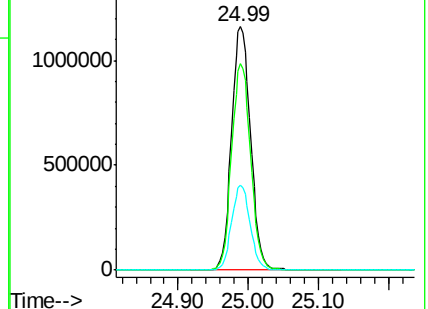
115 34.2 25.8 38.8

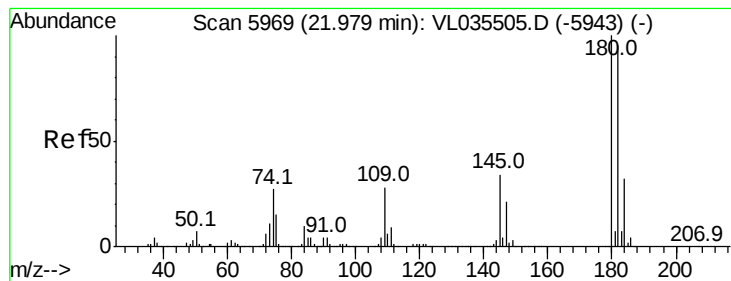


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.668 ppbv

RT: 21.95 min Scan# 5961

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABS01

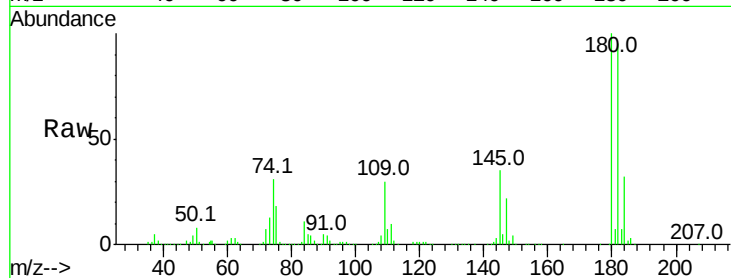
Tgt Ion:180 Resp: 3189577

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 31.3 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

