

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 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 :

Quant Time: Sep 15 06:39:26 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

					Ovalue
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

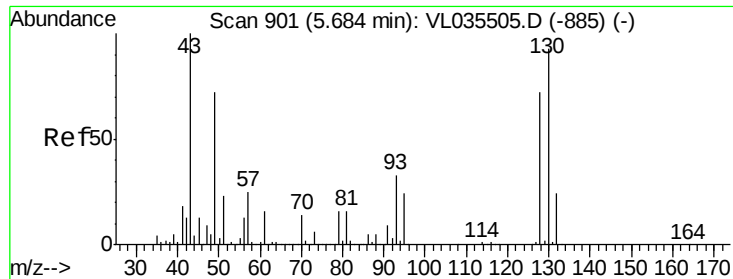
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035598.D
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 Operator : SY/AP
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Quant Time: Sep 15 06:39:26 2020
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 Quant Title : 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	7.87	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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :
MSVOA_L
ClientSampleId :

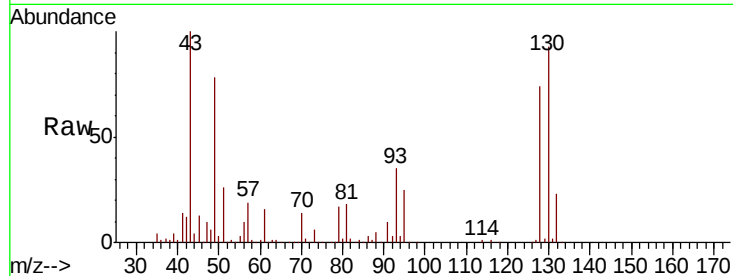
Tot Ion: 49 Resp: 1058928

Ion Ratio Lower Upper

49 100

128 92.4 50.0 150.1

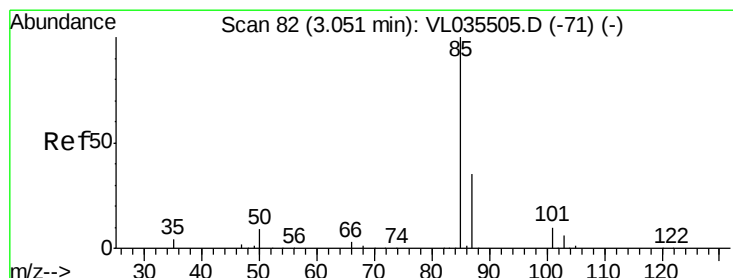
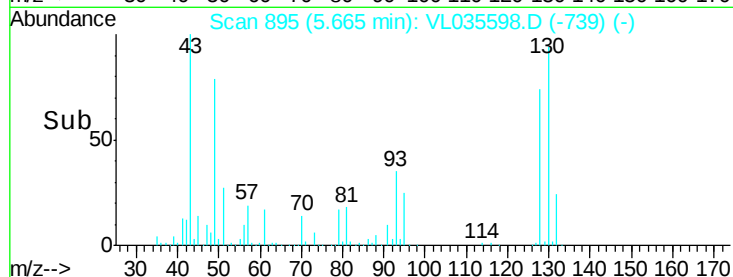
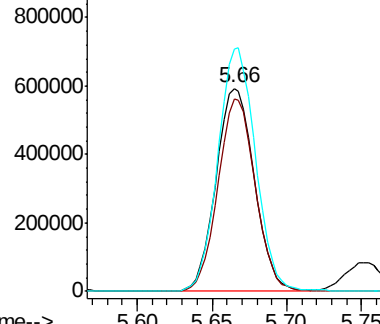
130 118.1 64.4 193.2



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

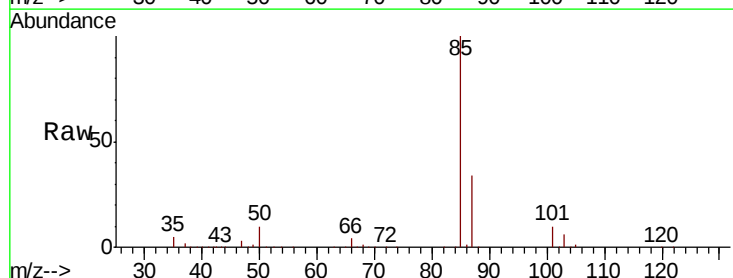
Acq: 14 Sep 2020 14:05

Tgt Ion: 85 Resp: 1425068

Ion Ratio Lower Upper

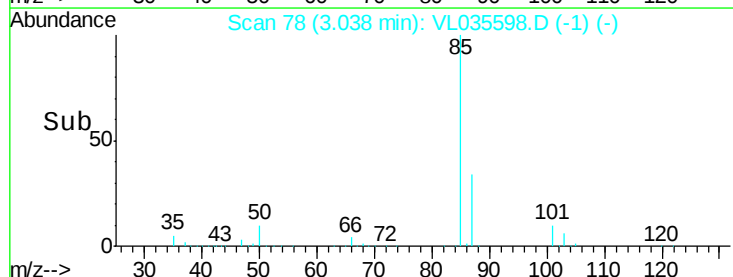
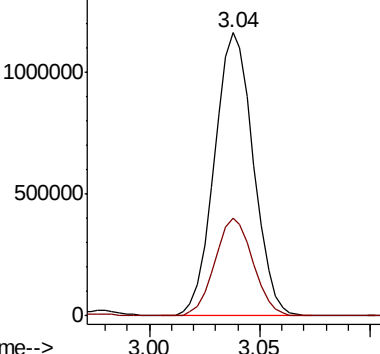
85 100

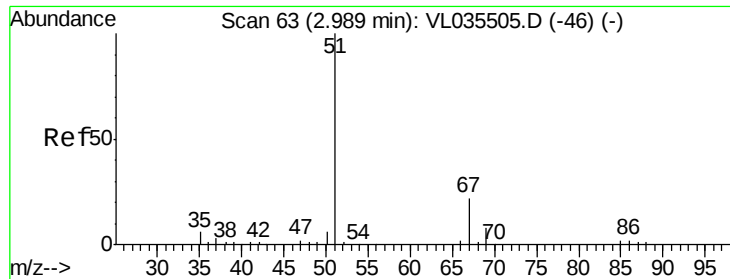
87 34.3 28.0 42.0



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

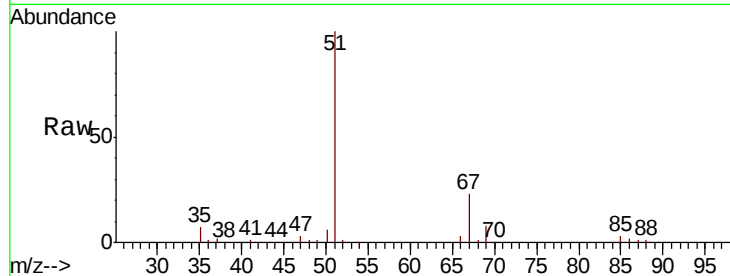
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1103704

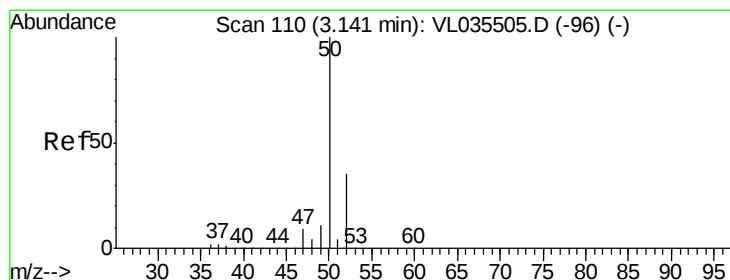
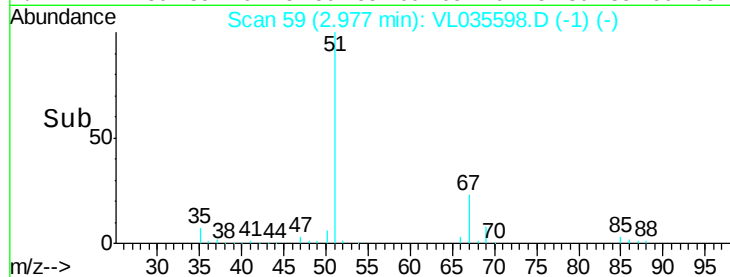
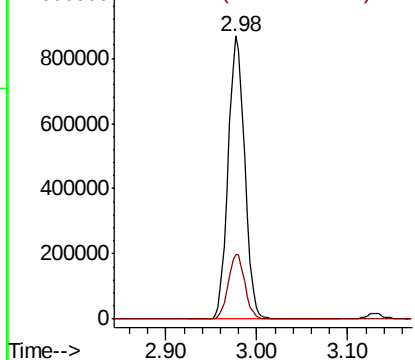
Ion Ratio Lower Upper

51 100

67 22.9 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: 9.782 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL035598.D

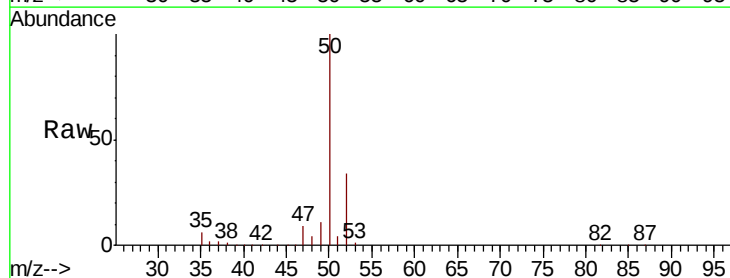
Acq: 14 Sep 2020 14:05

Tgt Ion: 50 Resp: 613774

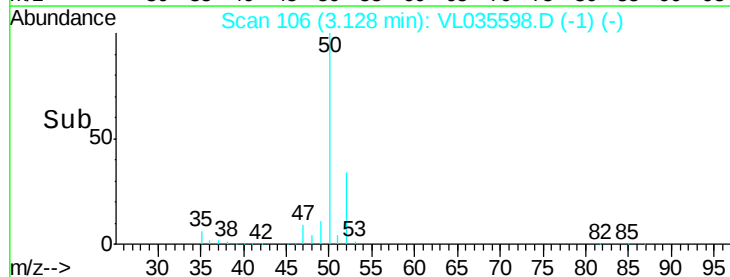
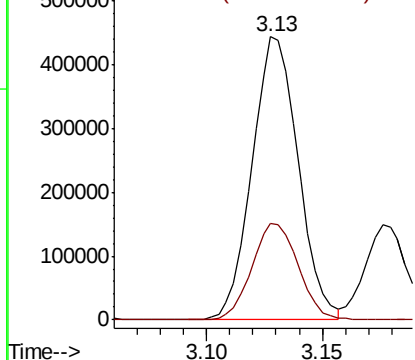
Ion Ratio Lower Upper

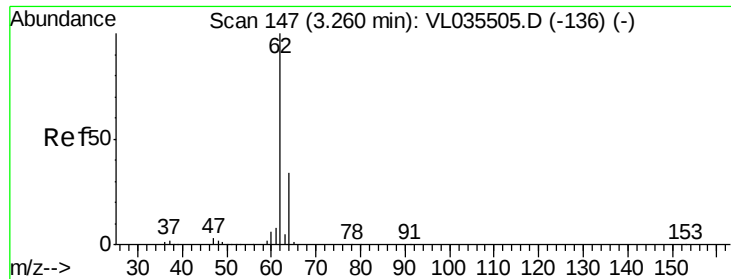
50 100

52 34.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0

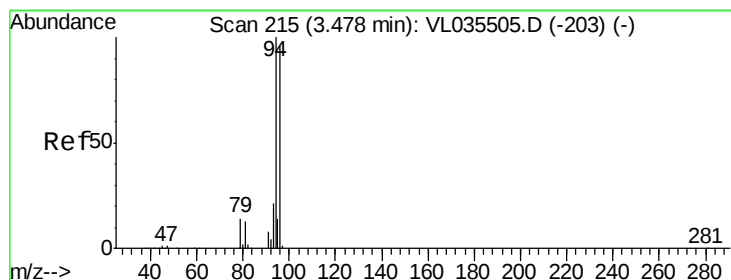
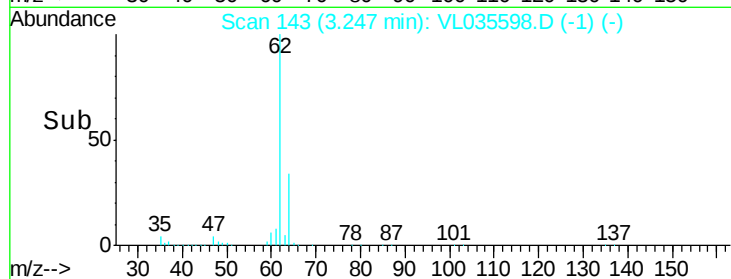
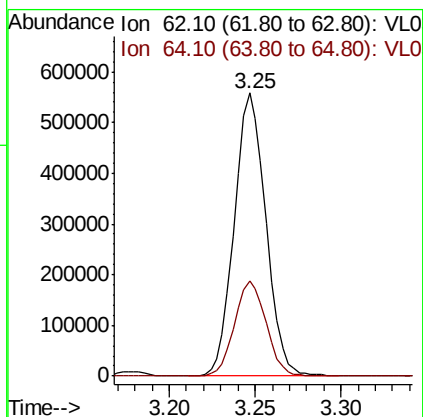
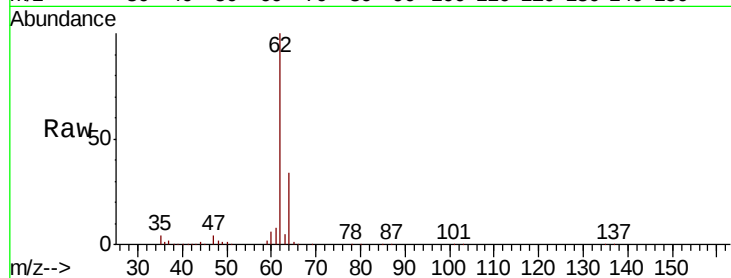




#5
 Vinyl Chloride
 Concen: 9.224 ppbv
 RT: 3.25 min Scan# 143
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

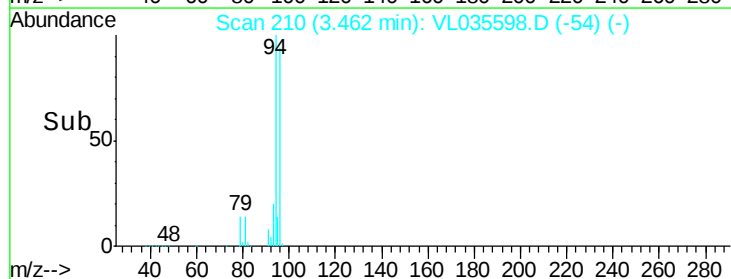
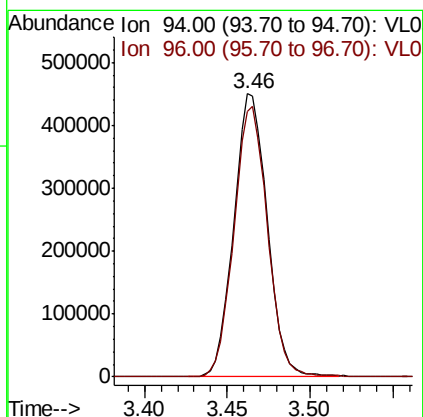
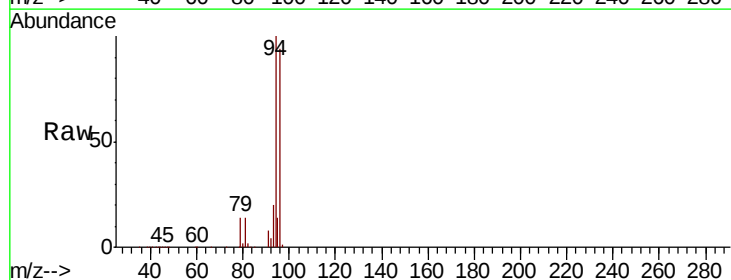
Instrument :
 MSVOA_L
 ClientSampleId :

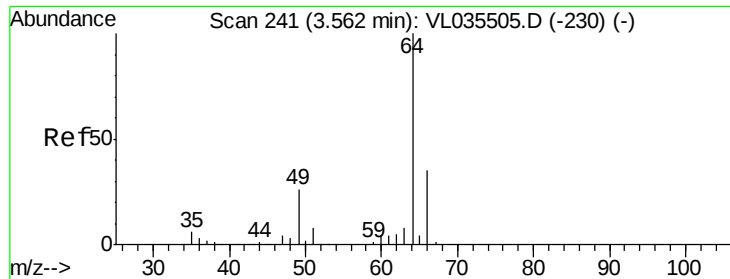
Tot Ion: 62 Resp: 713577
 Ion Ratio Lower Upper
 62 100
 64 33.7 27.4 41.2



#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





#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

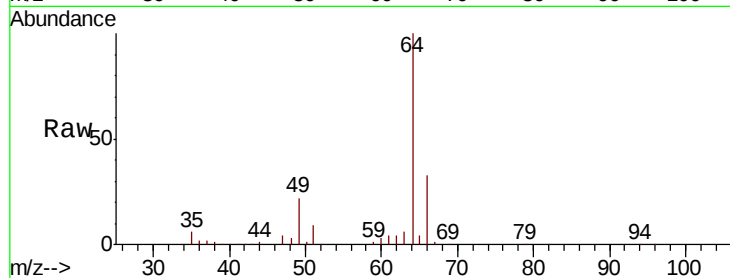
ClientSampleId :

Tot 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

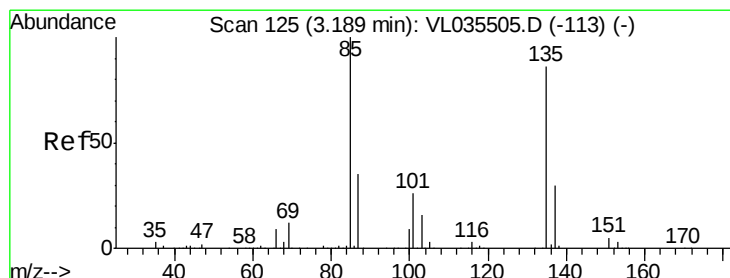
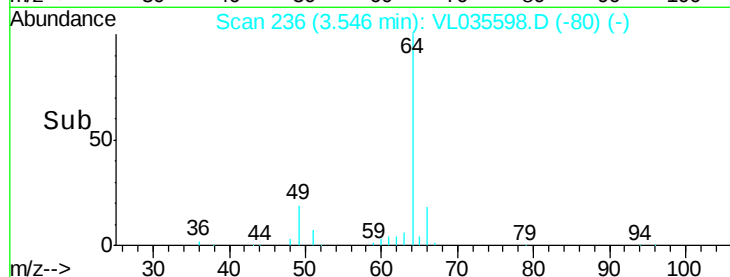
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.339 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL035598.D

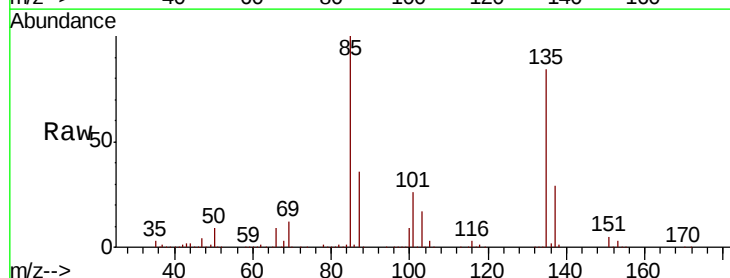
Acq: 14 Sep 2020 14:05

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

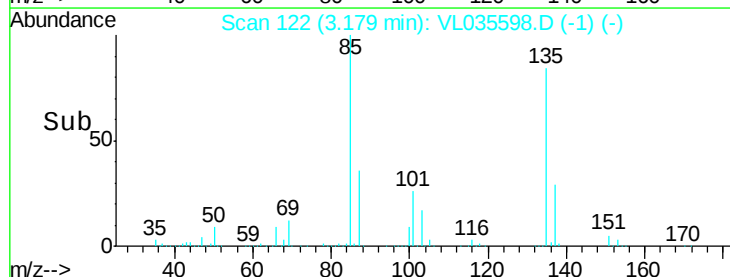
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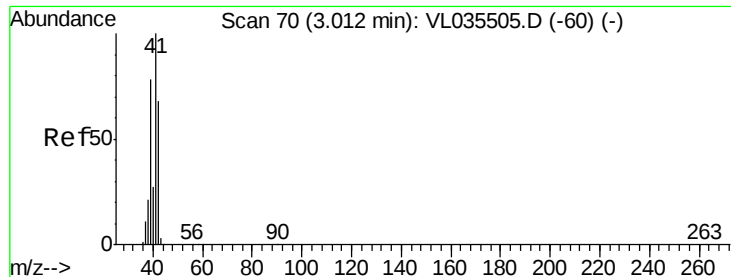
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500000

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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 :

MSVOA_L

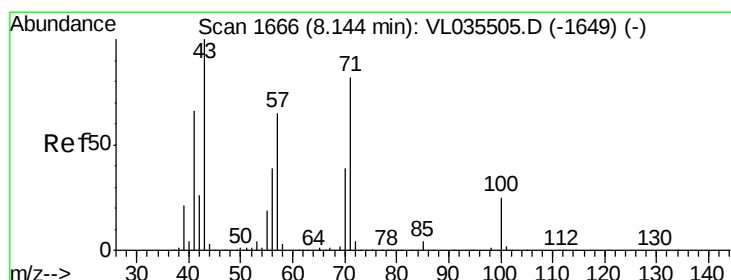
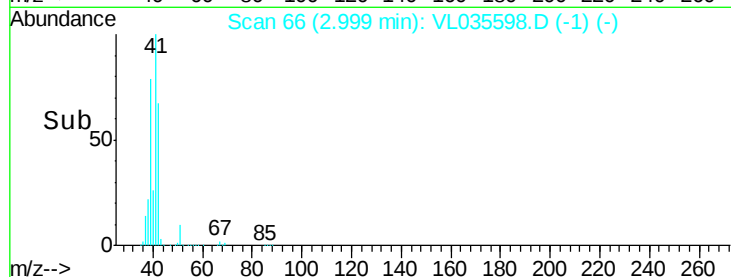
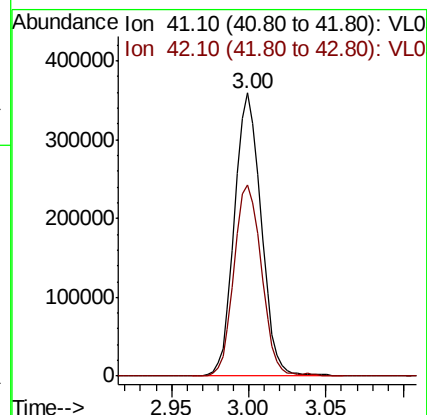
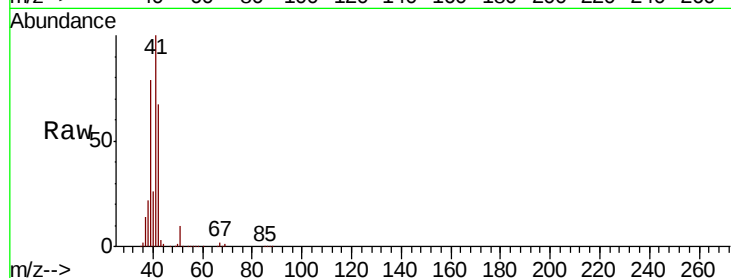
ClientSampleId :

Tot 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

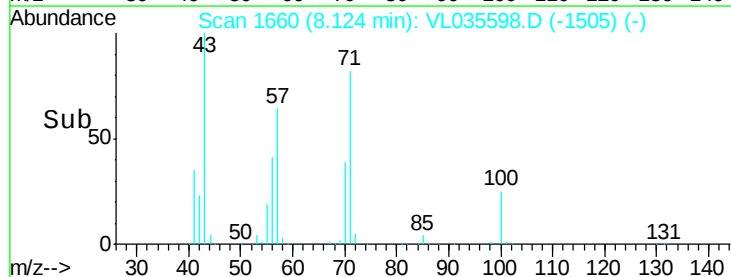
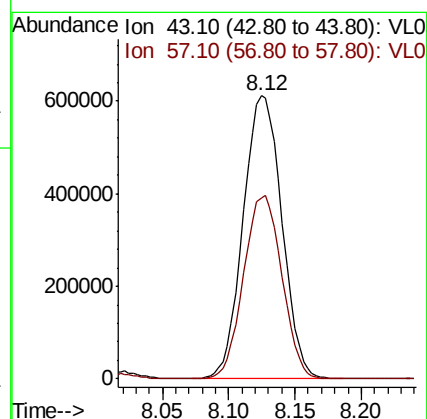
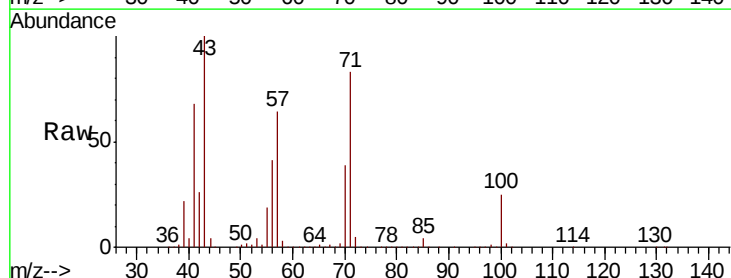
Acq: 14 Sep 2020 14:05

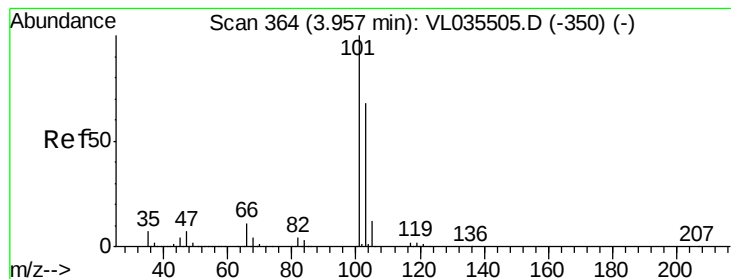
Tgt Ion: 43 Resp: 1236147

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

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Instrument :

MSVOA_L

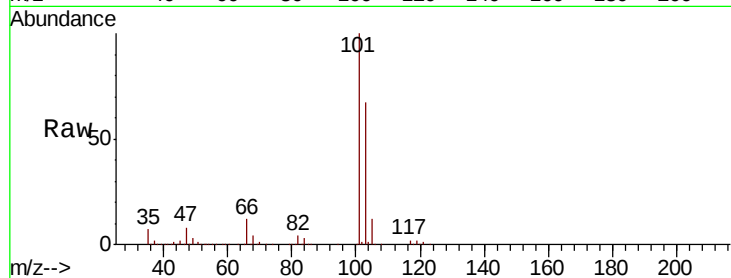
ClientSampleId :

Tot Ion:101 Resp: 2509503

Ion Ratio Lower Upper

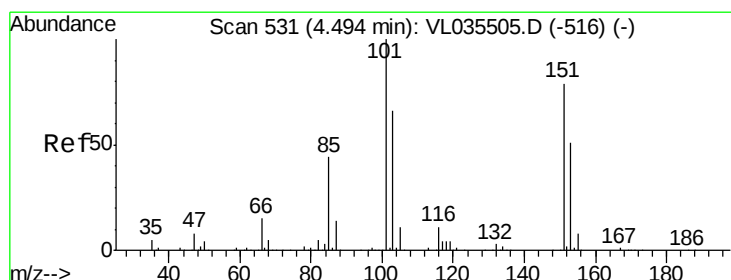
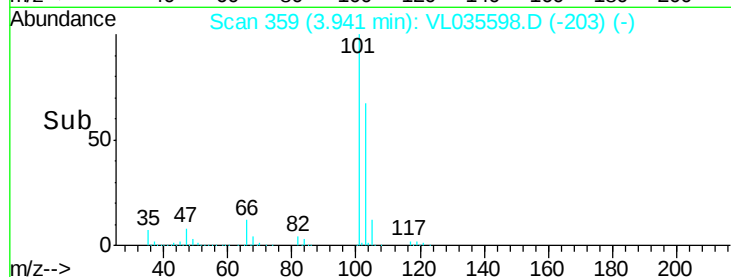
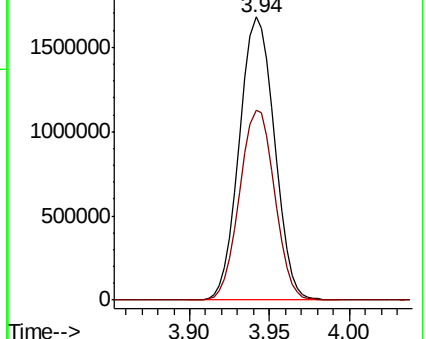
101 100

103 67.2 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.502 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL035598.D

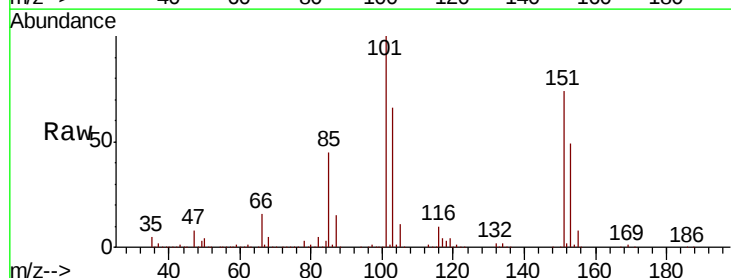
Acq: 14 Sep 2020 14:05

Tgt Ion:101 Resp: 1919255

Ion Ratio Lower Upper

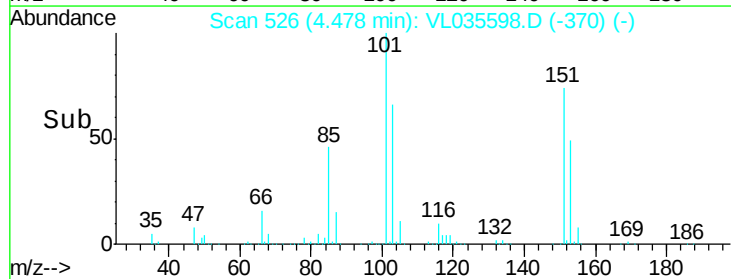
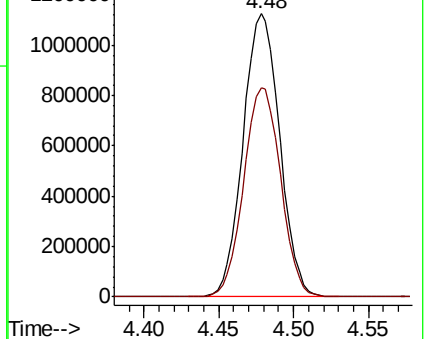
101 100

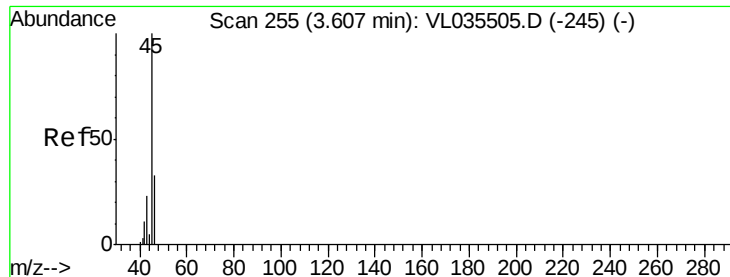
151 74.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

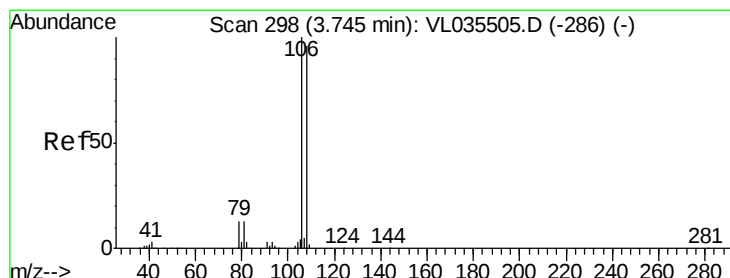
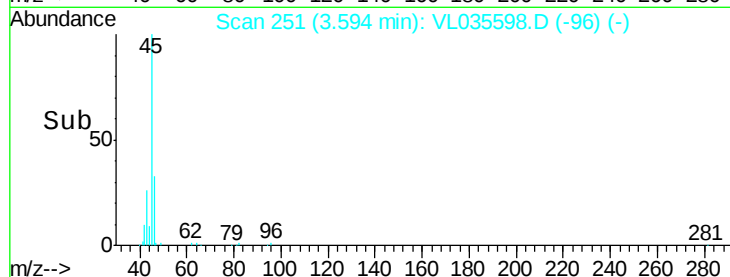
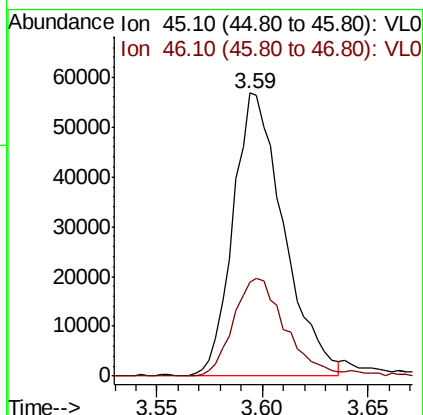
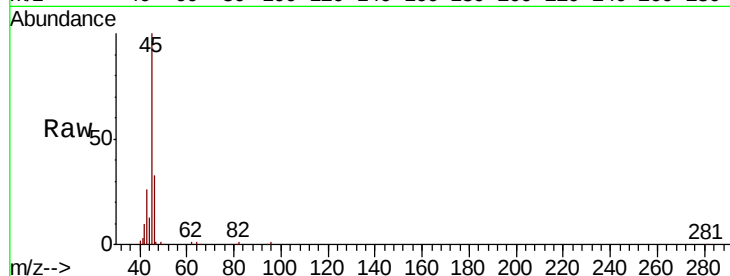




#13
Ethanol
Concen: 8.472 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

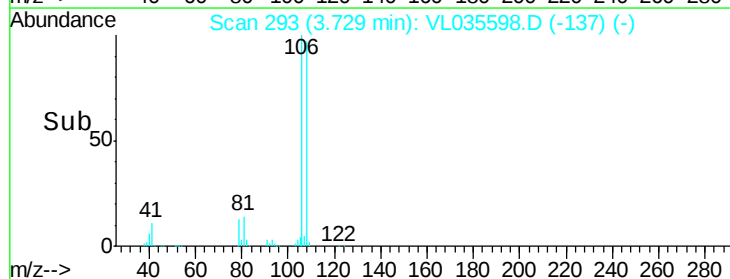
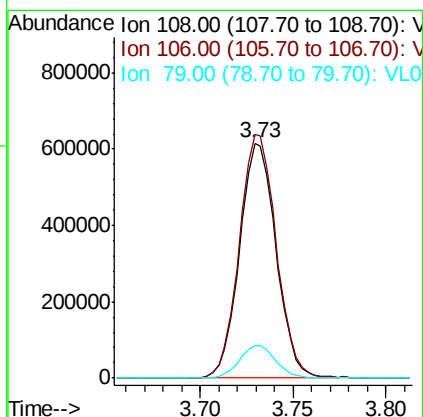
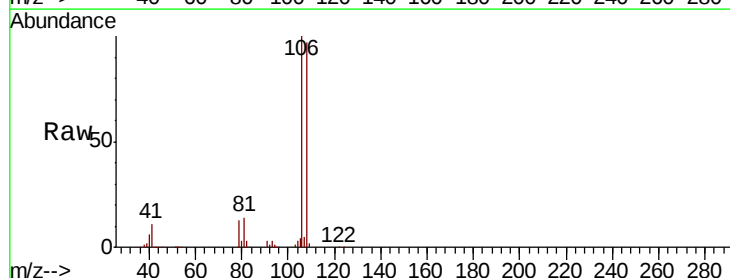
Instrument :
MSVOA_L
ClientSampleId :

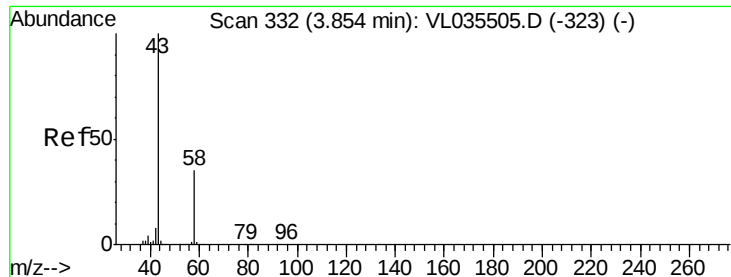
Tot Ion: 45 Resp: 94838
Ion Ratio Lower Upper
45 100
46 36.6 15.2 60.6



#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

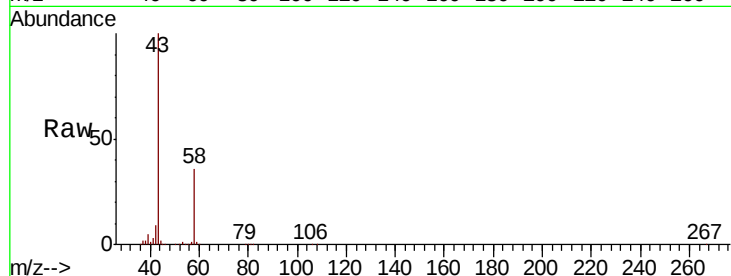
ClientSampleId :

Tot Ion: 43 Resp: 1186118

Ion Ratio Lower Upper

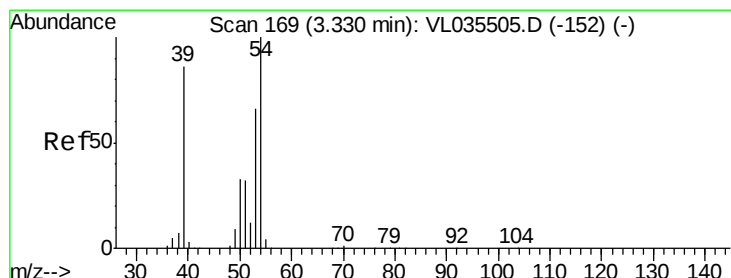
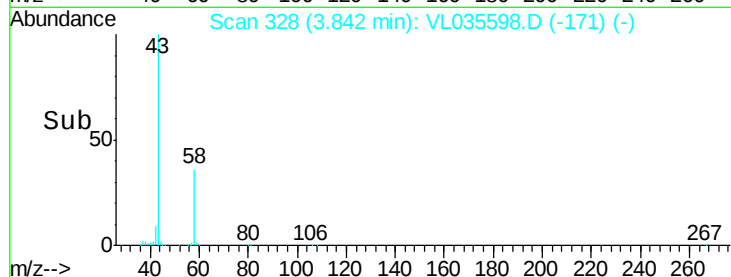
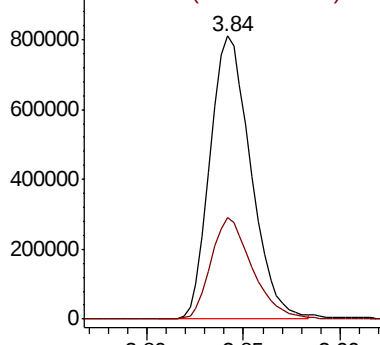
43 100

58 36.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.156 ppbv

RT: 3.32 min Scan# 165

Delta R.T. 0.00 min

Lab File: VL035598.D

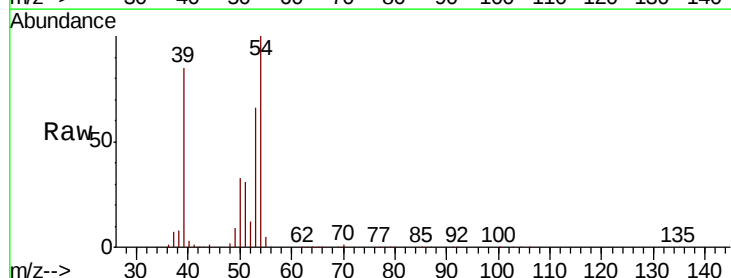
Acq: 14 Sep 2020 14:05

Tgt Ion: 39 Resp: 441523

Ion Ratio Lower Upper

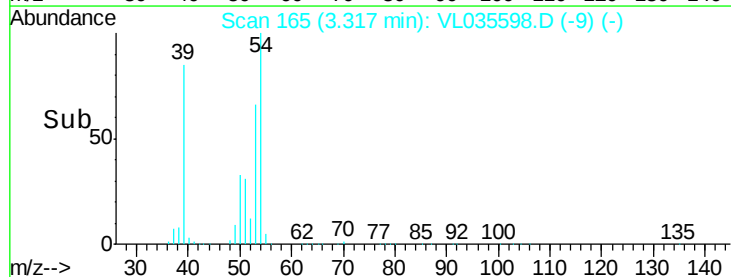
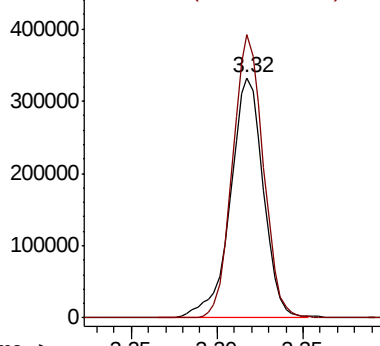
39 100

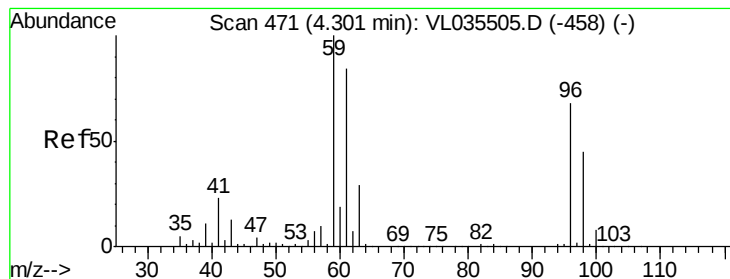
54 110.3 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#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

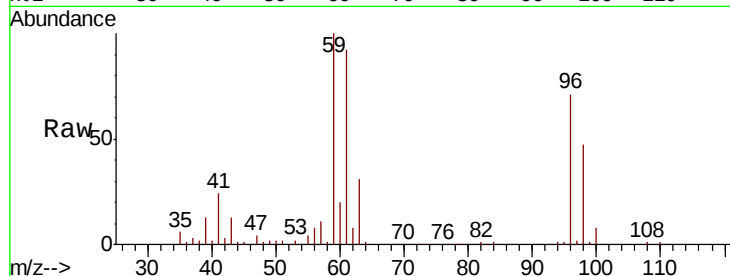
ClientSampleId :

Tot 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

4.29

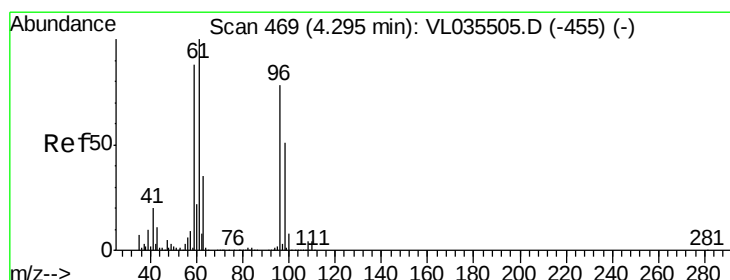
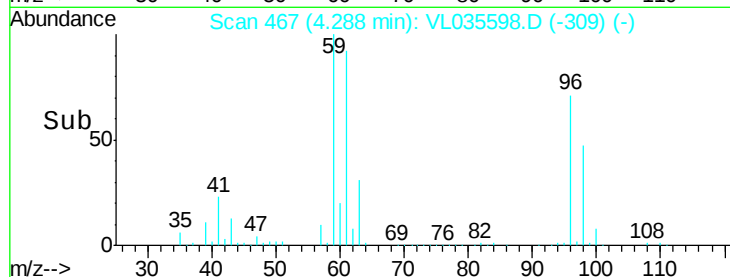
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#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

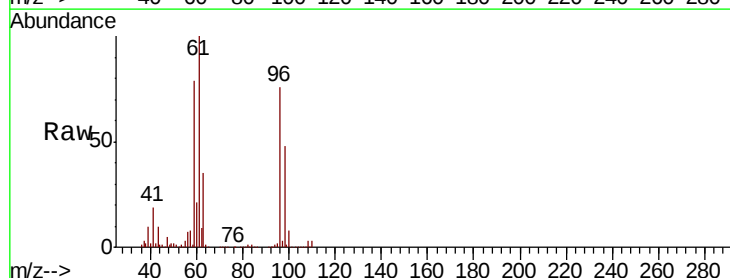
Tgt Ion: 96 Resp: 881957

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

1000000

800000

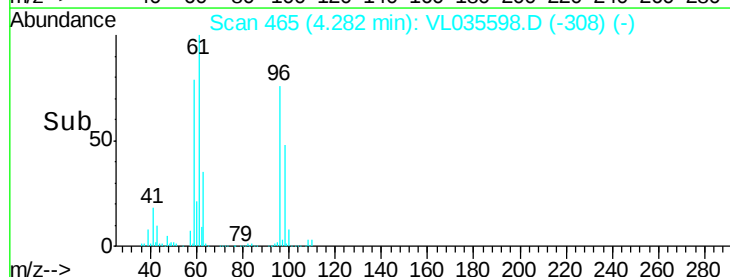
600000

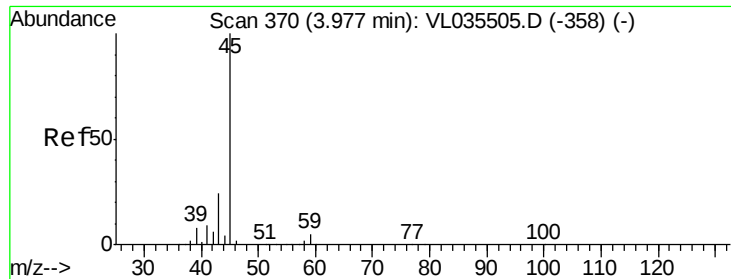
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#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

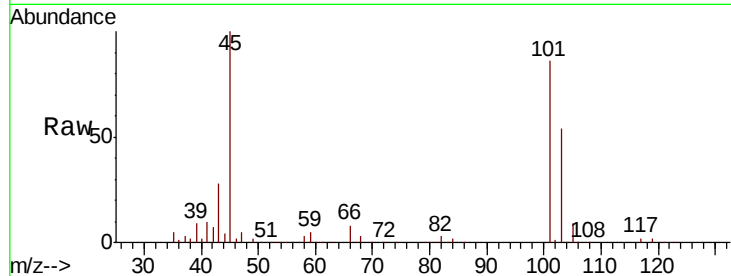
ClientSampleId :

Tot Ion: 45 Resp: 623579

Ion Ratio Lower Upper

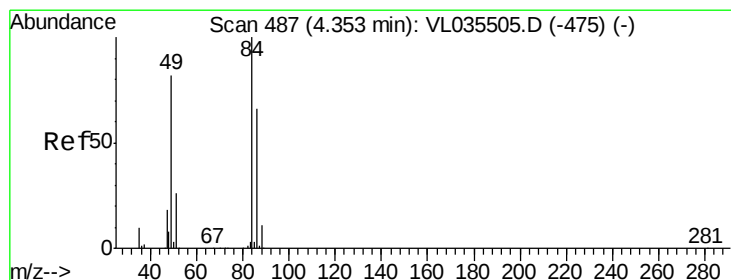
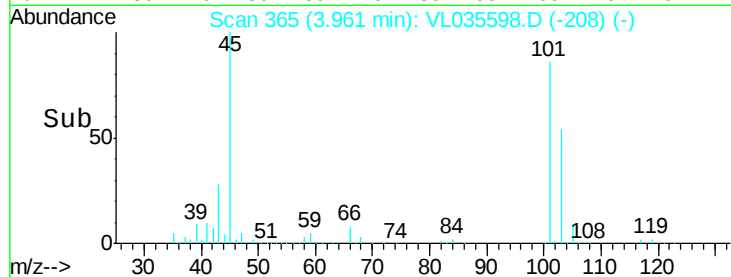
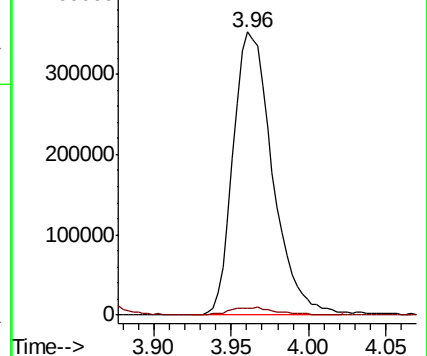
45 100

58 3.6 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#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

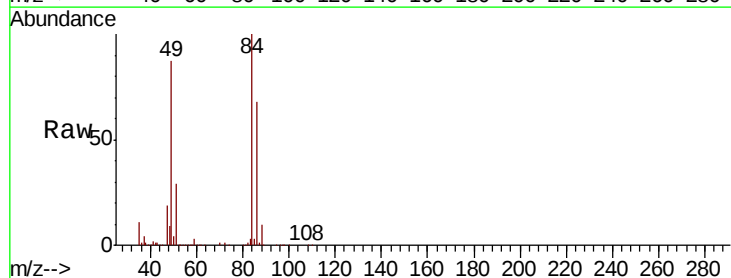
Ion Ratio Lower Upper

84 100

49 86.6 65.4 98.0

51 28.0 21.5 32.3

86 67.6 52.9 79.3

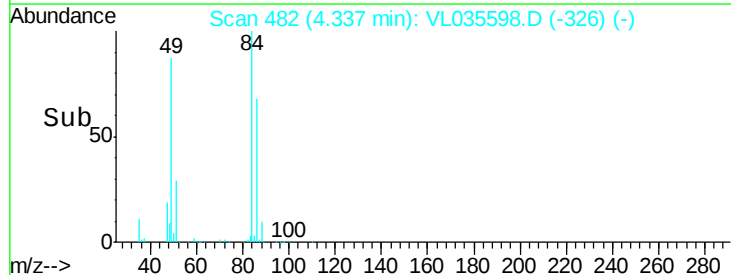
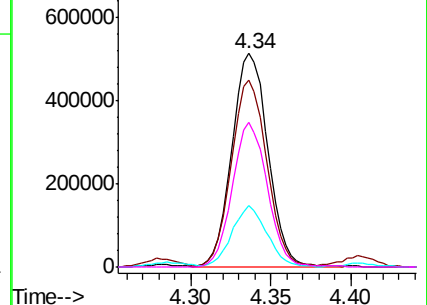


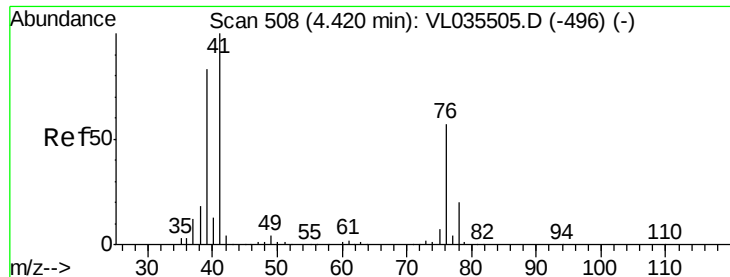
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl 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 :

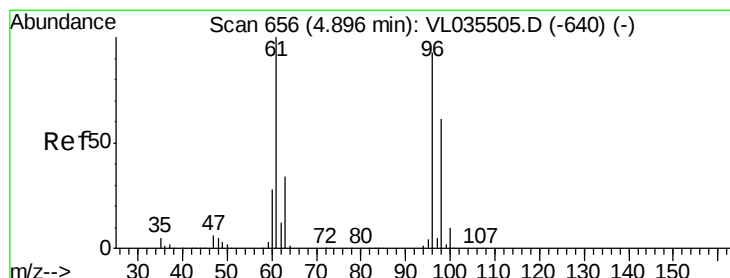
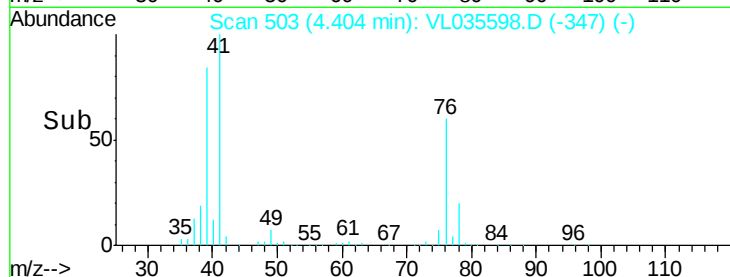
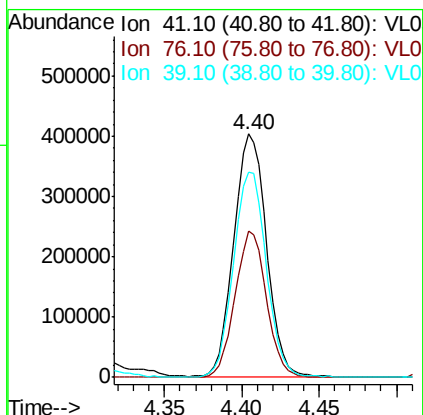
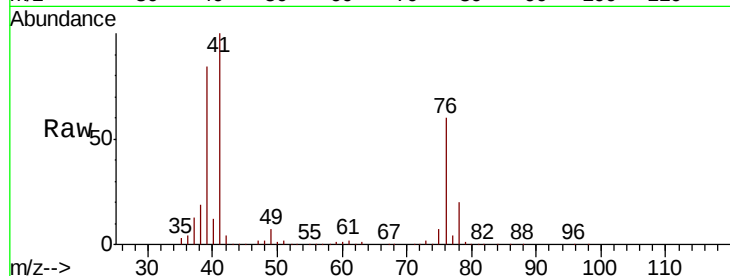
Tot Ion: 41 Resp: 586925

Ion Ratio Lower Upper

41 100

76 58.4 46.2 69.2

39 85.5 67.8 101.6



#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

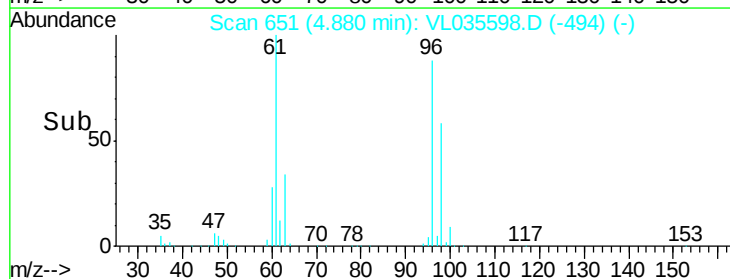
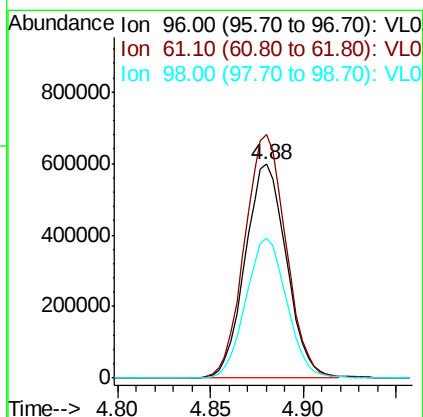
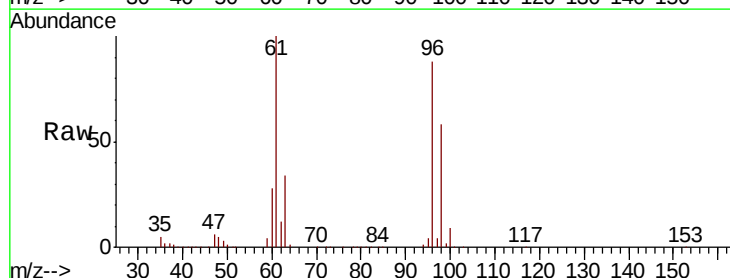
Tgt Ion: 96 Resp: 924963

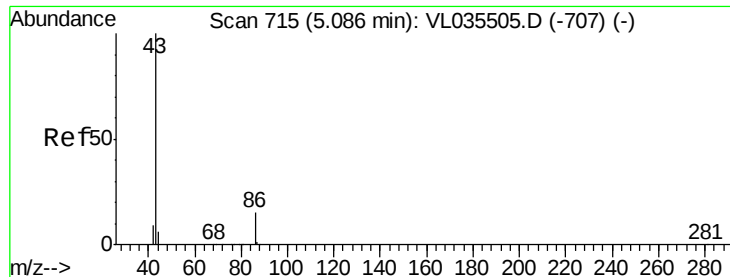
Ion Ratio Lower Upper

96 100

61 113.7 86.0 129.0

98 65.4 52.3 78.5





#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
ClientSampled :

Tot Ion: 43 Resp: 1600875

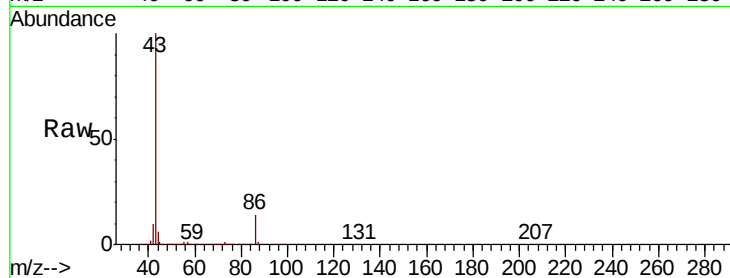
Ion Ratio Lower Upper

43 100

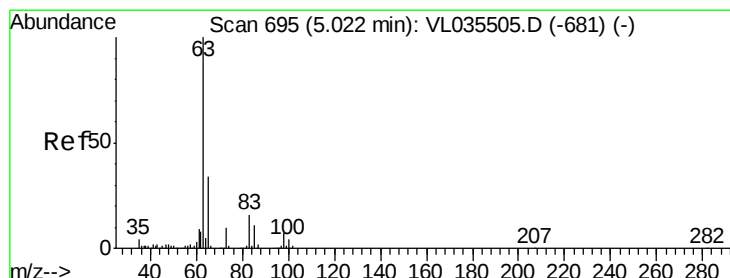
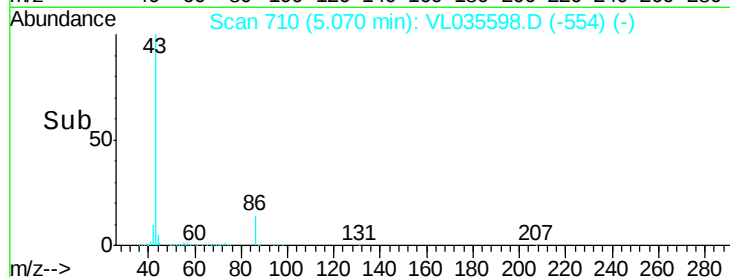
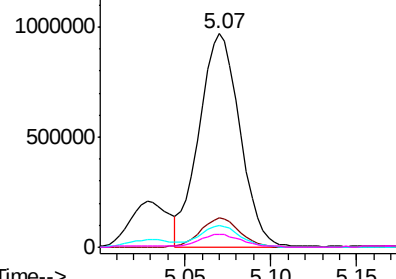
86 13.6 10.6 16.0

42 10.3 7.5 11.3

44 5.9 4.4 6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 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

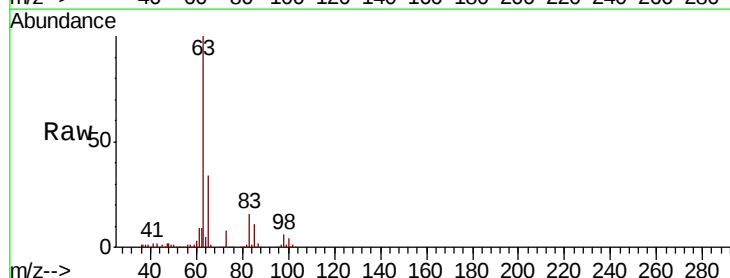
Tgt Ion: 63 Resp: 1490593

Ion Ratio Lower Upper

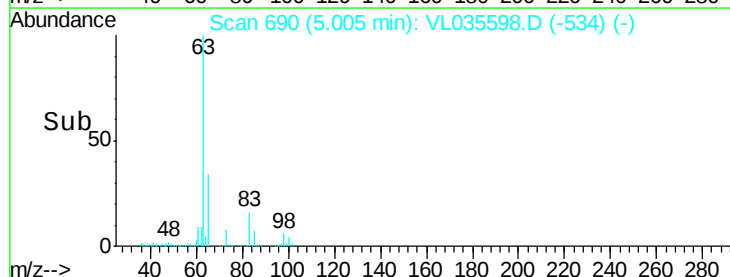
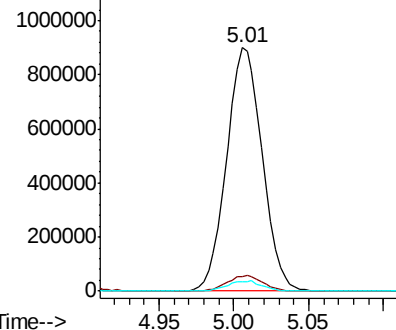
63 100

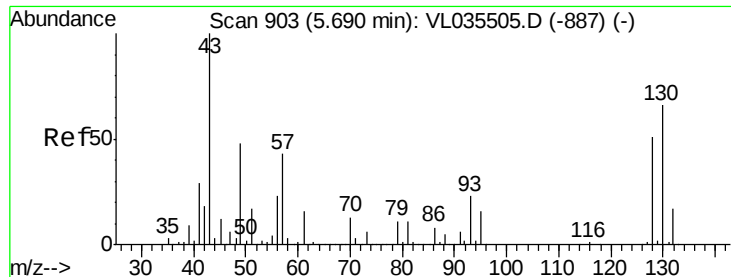
98 6.1 3.4 10.1

100 4.0 2.1 6.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
1200000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

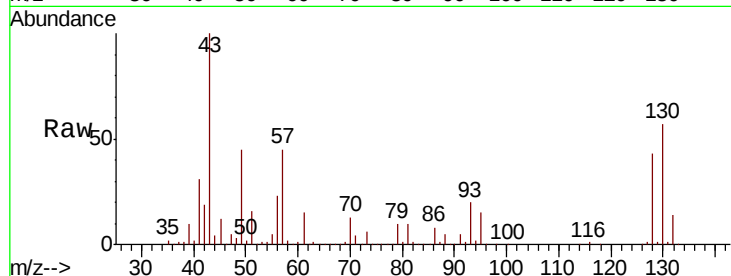




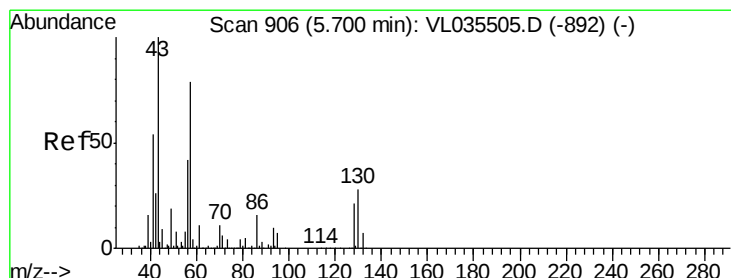
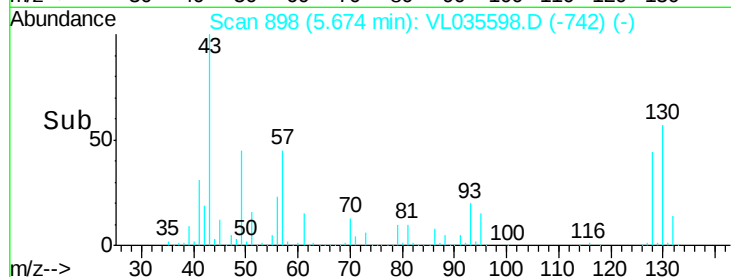
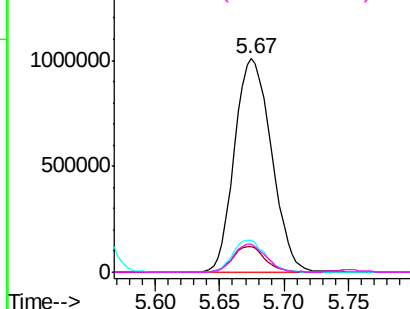
#25
Ethyl Acetate
Concen: 9.745 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

Instrument :
MSVOA_L
ClientSampleId :

Tot 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

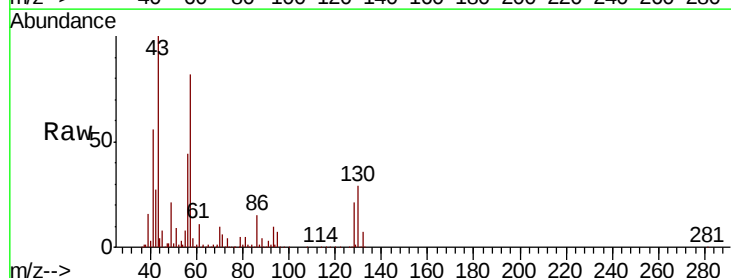


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

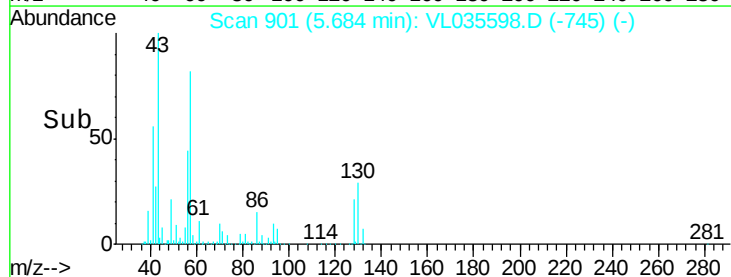
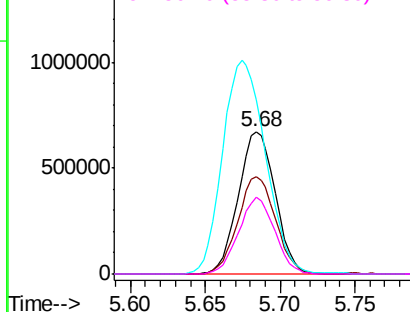


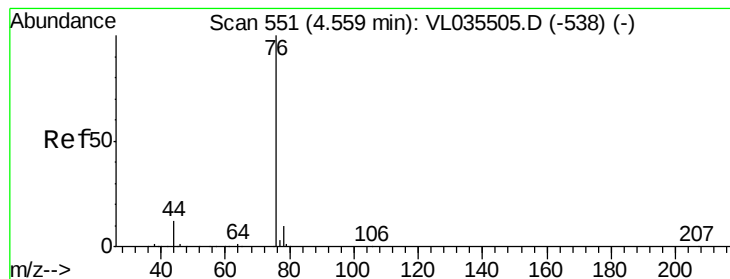
#26
Hexane
Concen: 9.853 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

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 :

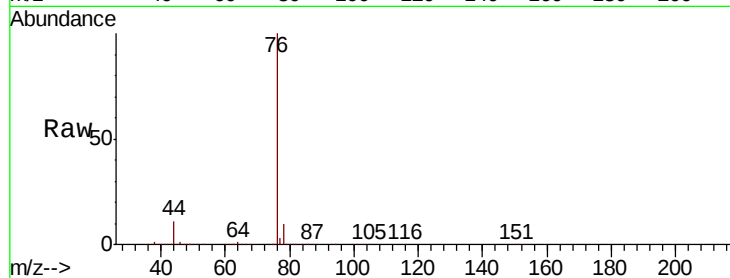
Tot Ion: 76 Resp: 1891591

Ion Ratio Lower Upper

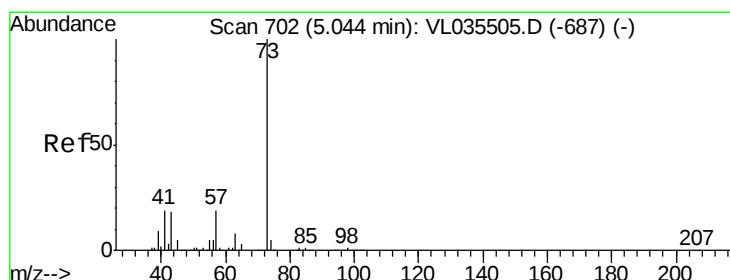
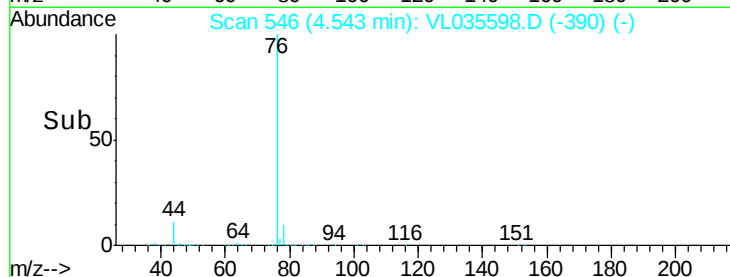
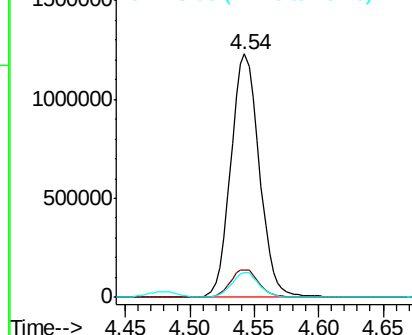
76 100

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

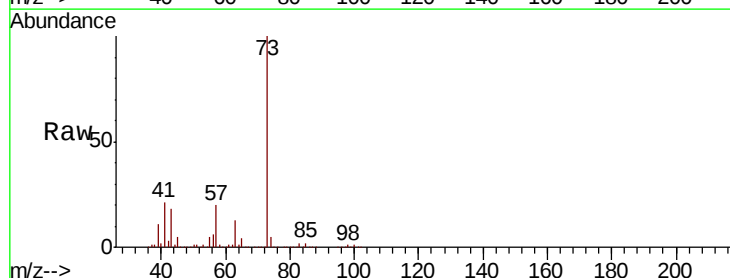
Acq: 14 Sep 2020 14:05

Tgt Ion: 73 Resp: 1972222

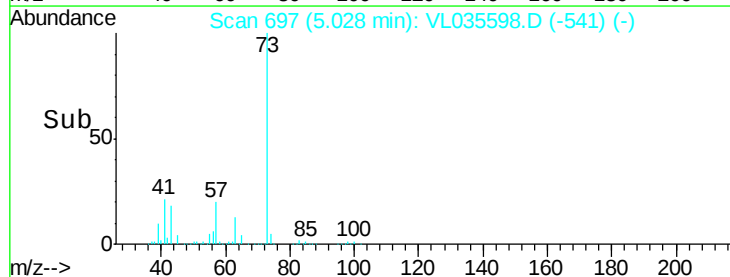
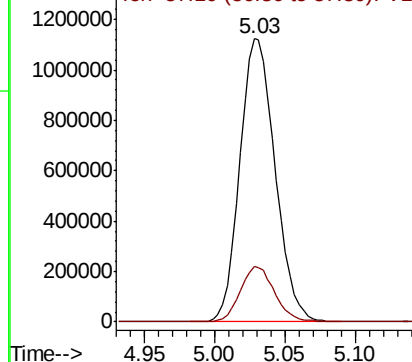
Ion Ratio Lower Upper

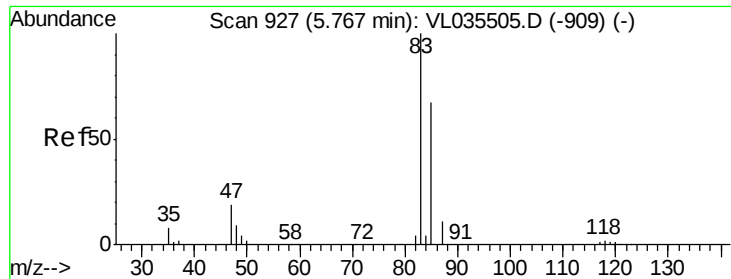
73 100

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

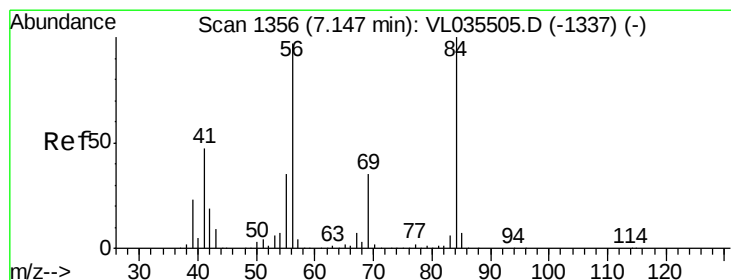
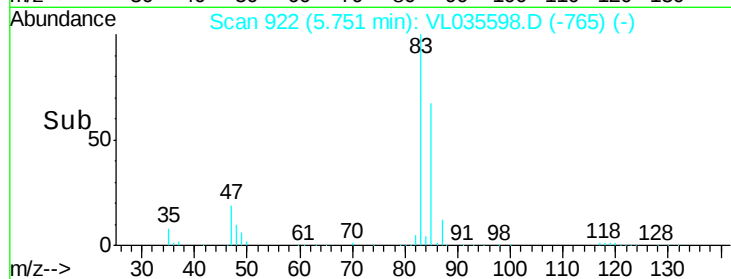
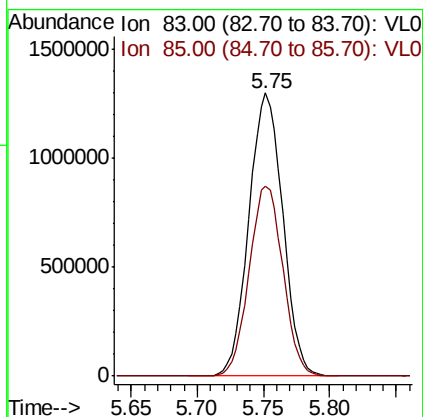
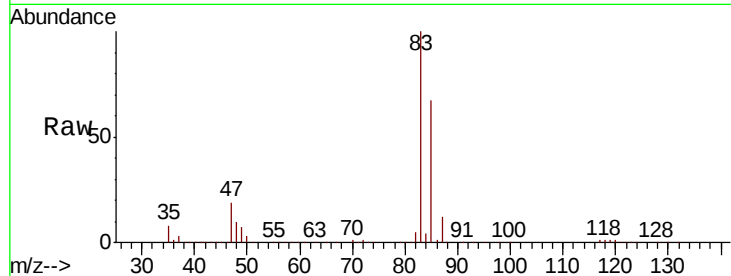




#29
Chloroform
Concen: 9.715 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

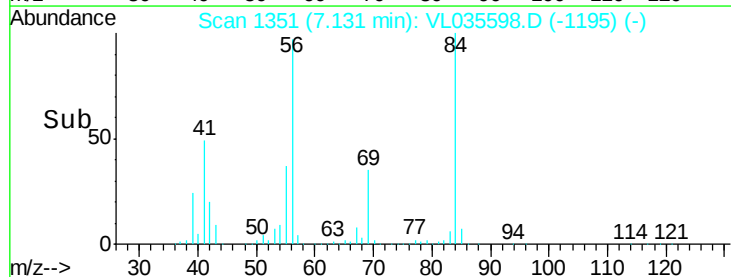
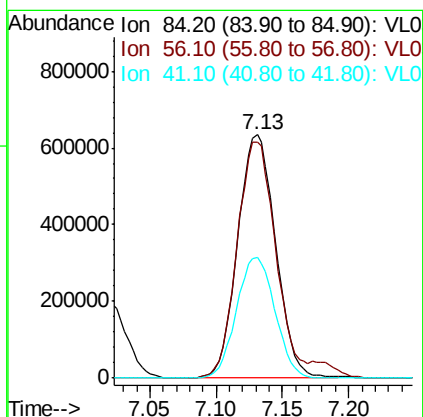
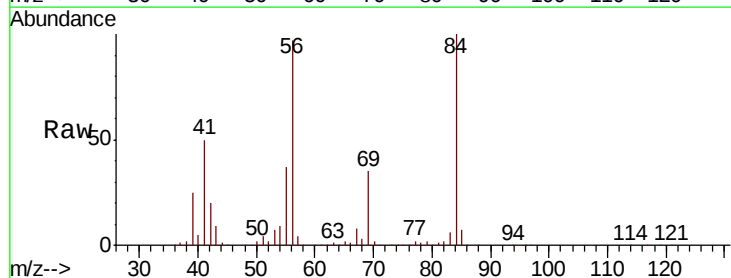
Instrument :
MSVOA_L
ClientSampled :

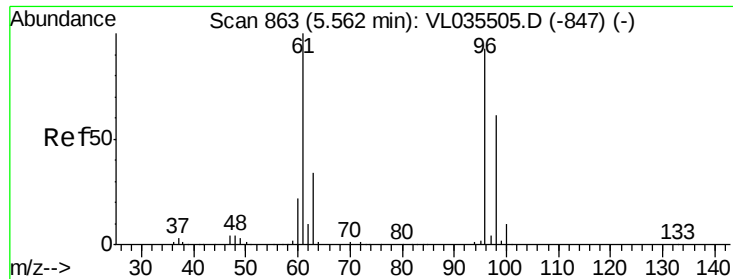
Tot Ion: 83 Resp: 2314067
Ion Ratio Lower Upper
83 100
85 67.1 53.9 80.9



#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



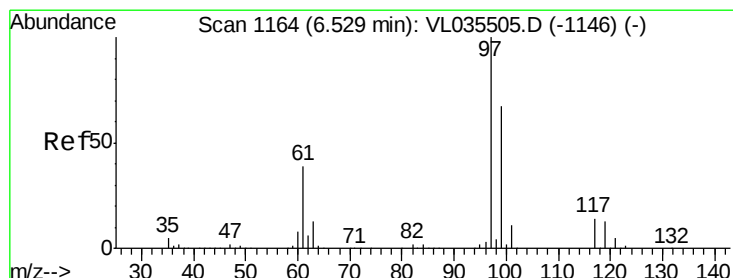
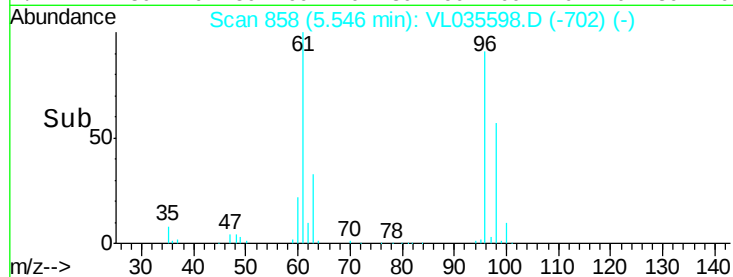
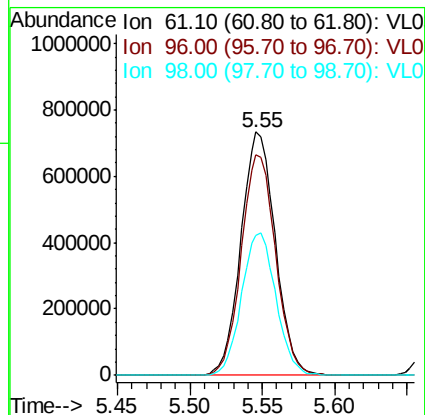
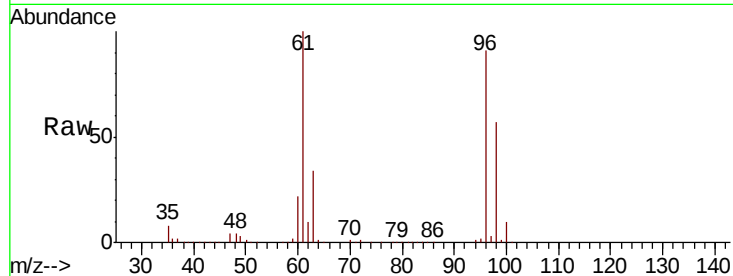


#31

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
 ClientSampled :

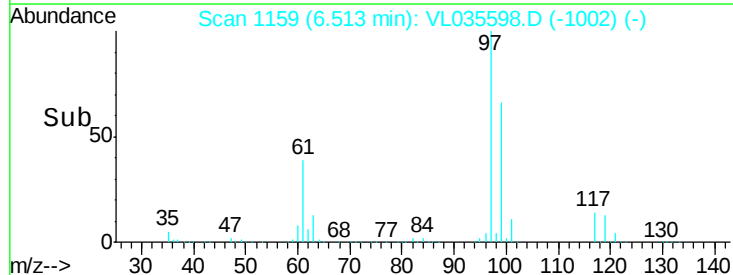
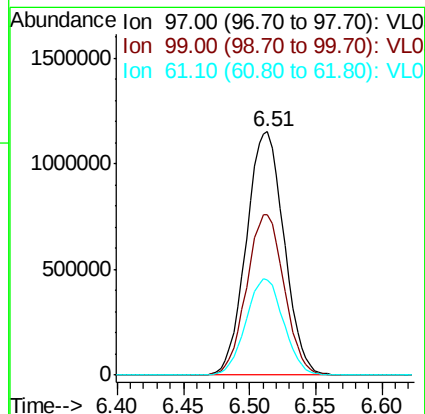
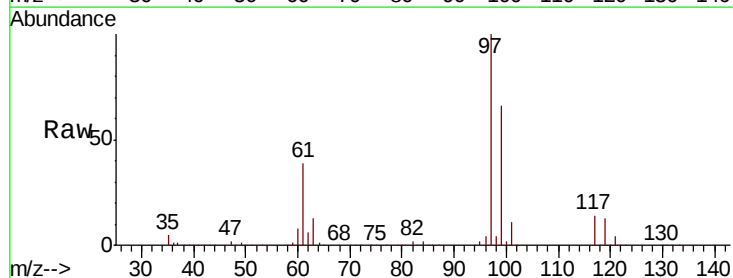
Tot Ion: 61 Resp: 1208352
 Ion Ratio Lower Upper
 61 100
 96 90.7 74.4 111.6
 98 57.3 49.2 73.8

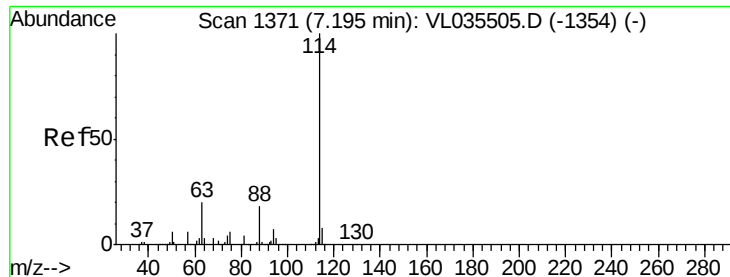


#32

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

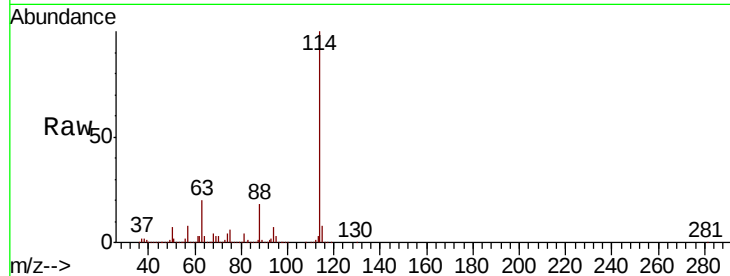




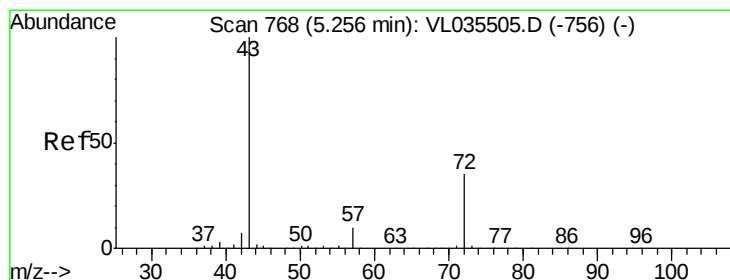
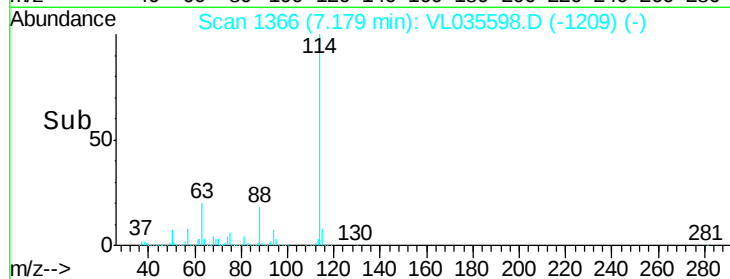
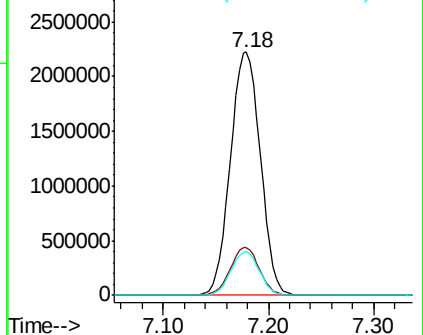
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4380202
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.1 13.4 20.2

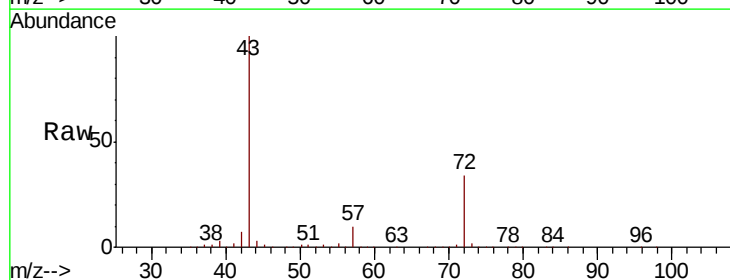


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

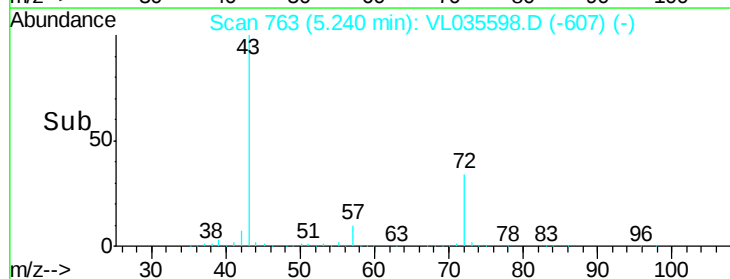
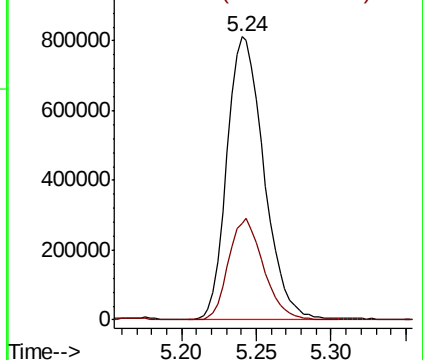


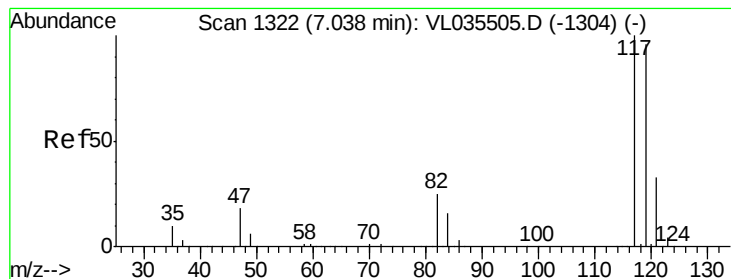
#34
 2-Butanone
 Concen: 10.700 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Tgt Ion: 43 Resp: 1390934
 Ion Ratio Lower Upper
 43 100
 72 34.1 27.7 41.5



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





#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 :

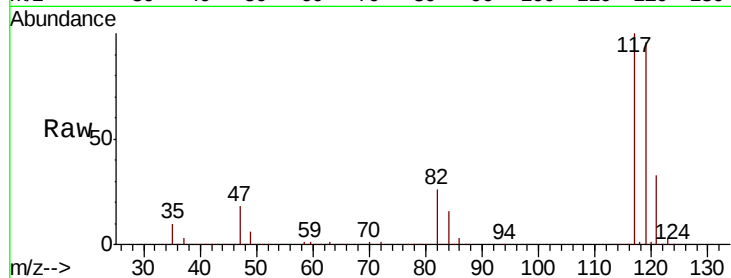
Tot Ion:117 Resp: 2383775

Ion Ratio Lower Upper

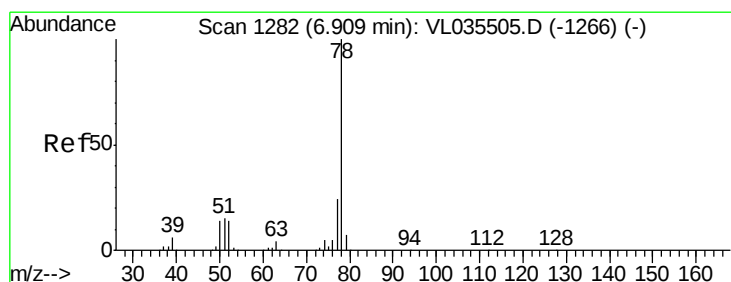
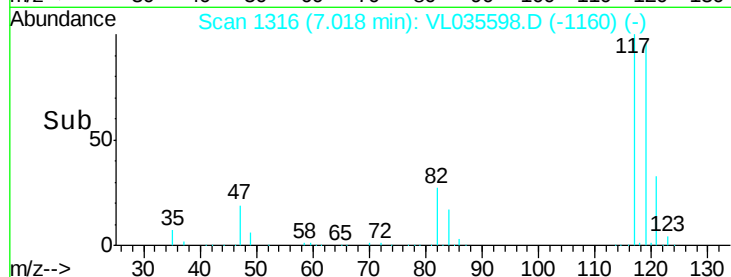
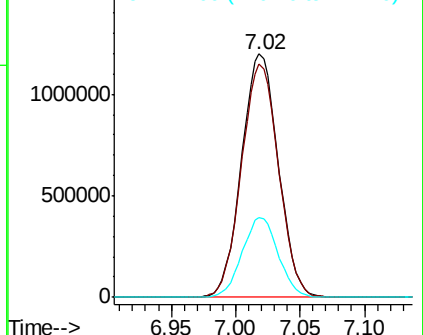
117 100

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

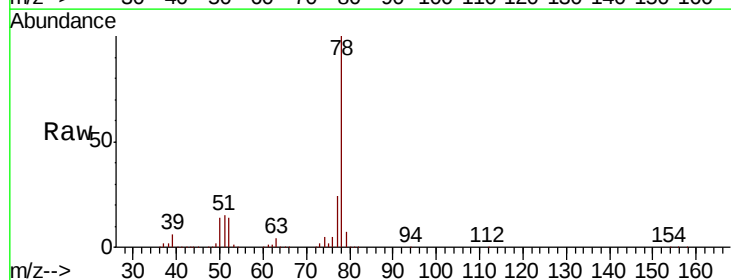
Tgt Ion: 78 Resp: 2932471

Ion Ratio Lower Upper

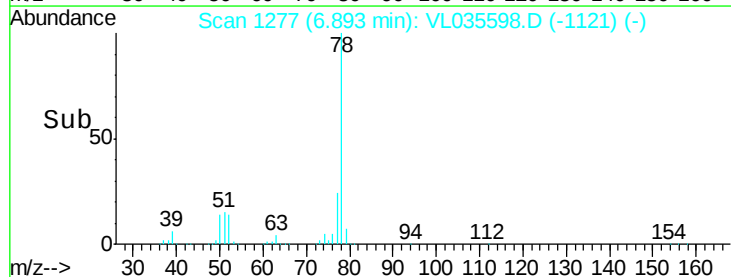
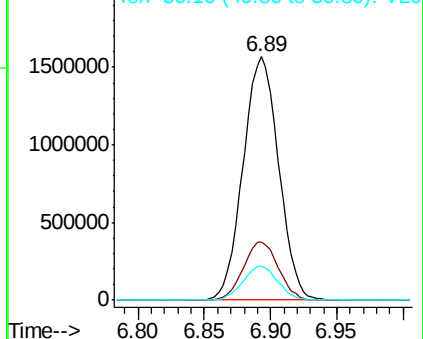
78 100

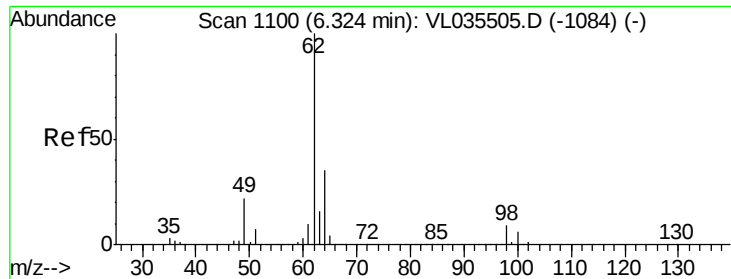
77 24.0 19.3 28.9

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

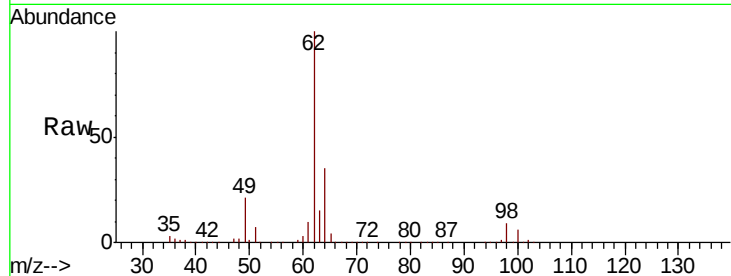
ClientSampleId :

Tot Ion: 62 Resp: 1410329

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

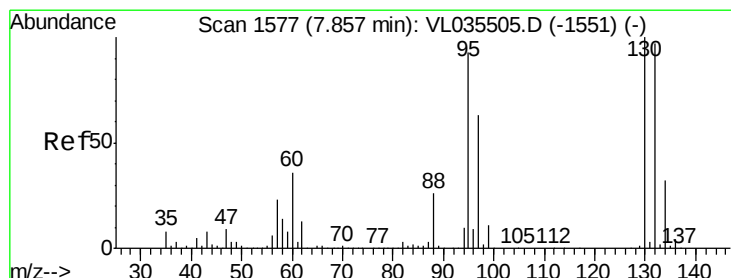
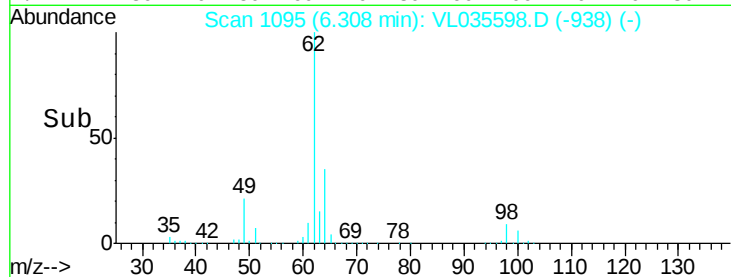
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#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

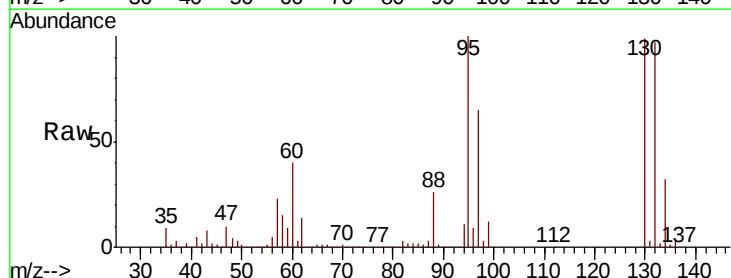
Ion Ratio Lower Upper

130 100

95 101.4 74.6 112.0

132 98.2 77.6 116.4

97 66.1 50.6 76.0



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

1200000

1000000

800000

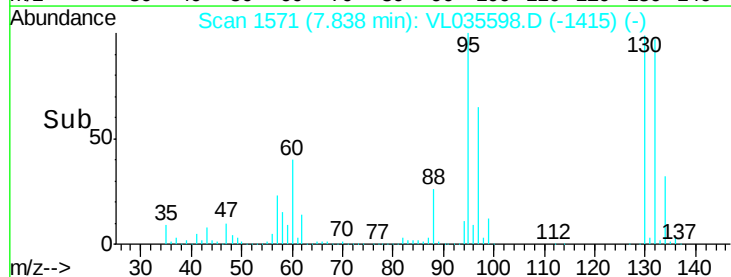
600000

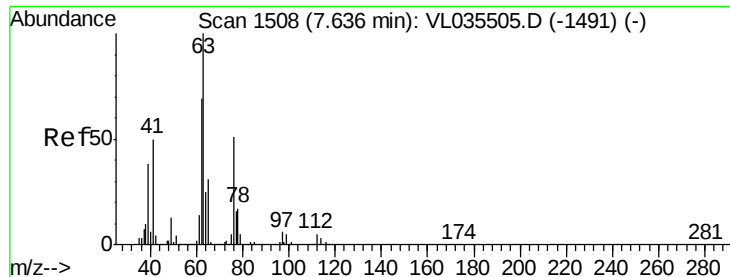
400000

200000

0

Time--> 7.70 7.80 7.90

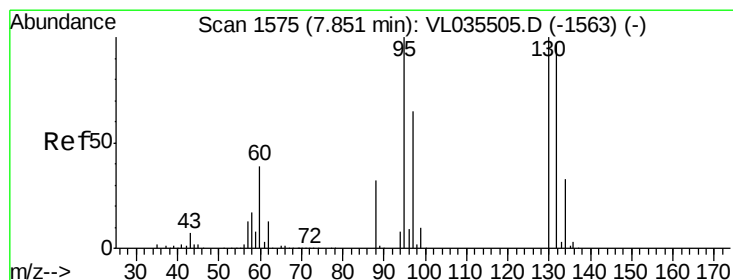
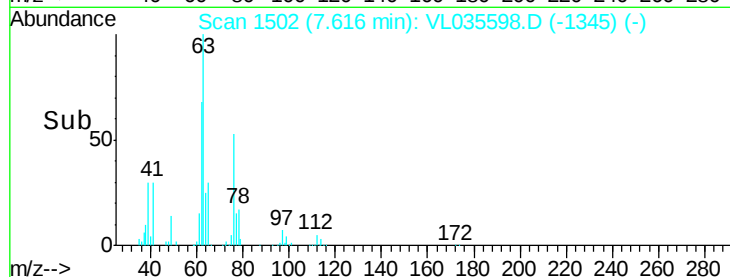
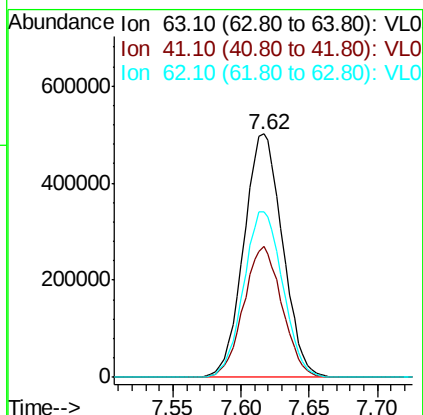
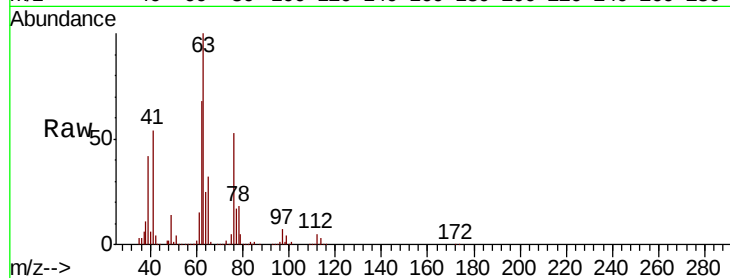




#39
 1,2-Dichloropropane
 Concen: 10.325 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

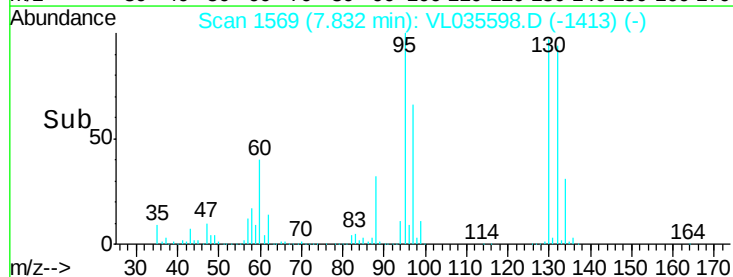
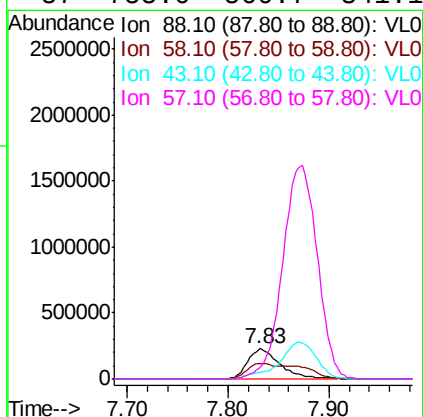
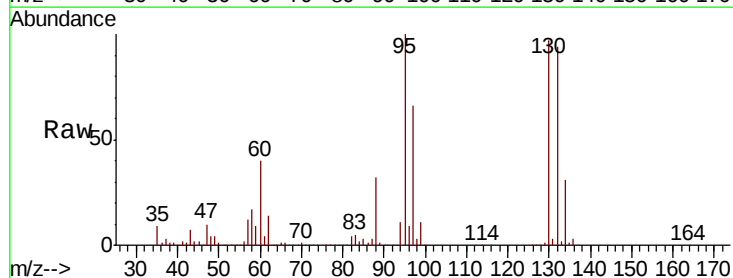
Instrument :
 MSVOA_L
 ClientSampleId :

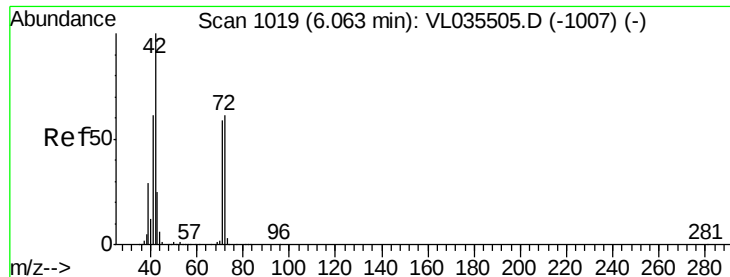
Tot Ion	Ratio	Lower	Upper
63	100		
41	53.8	40.0	60.0
62	68.1	55.4	83.0



#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	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

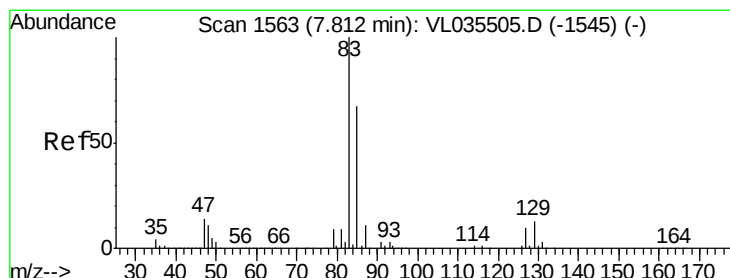
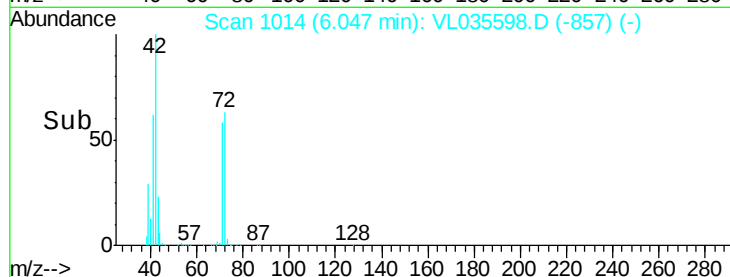
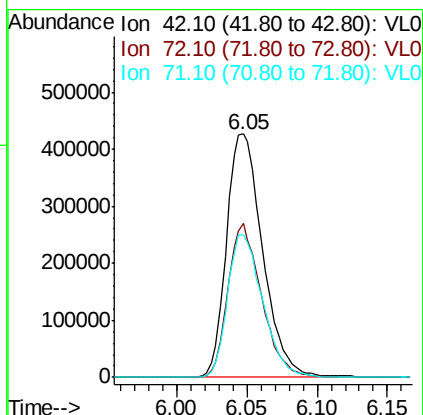
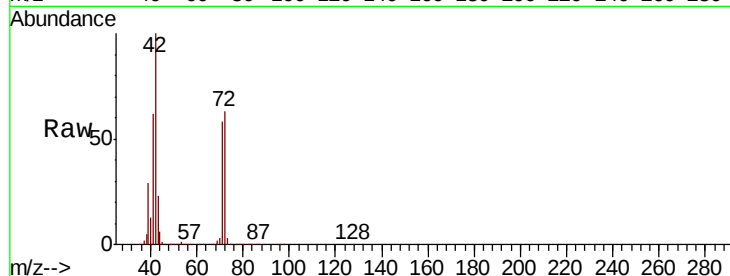




#41
Tetrahydrofuran
Concen: 11.095 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

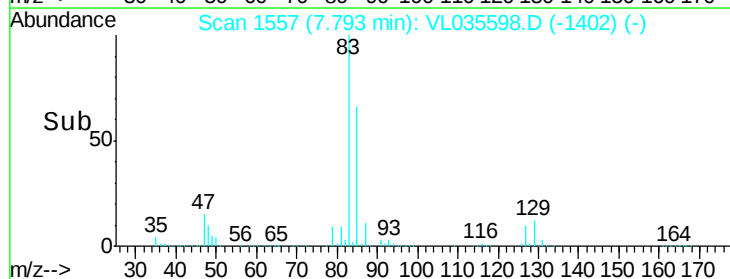
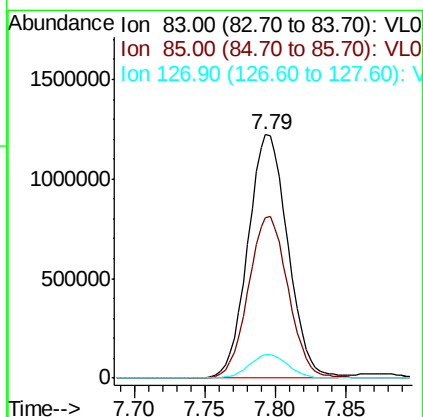
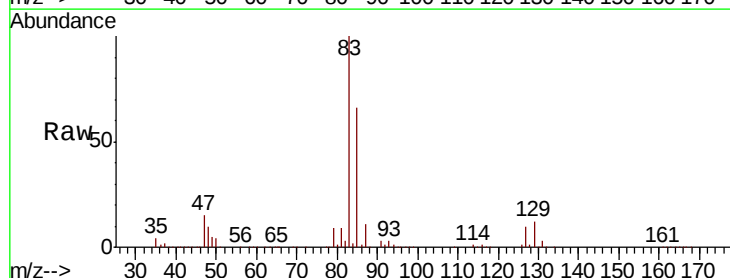
Instrument :
MSVOA_L
ClientSampleId :

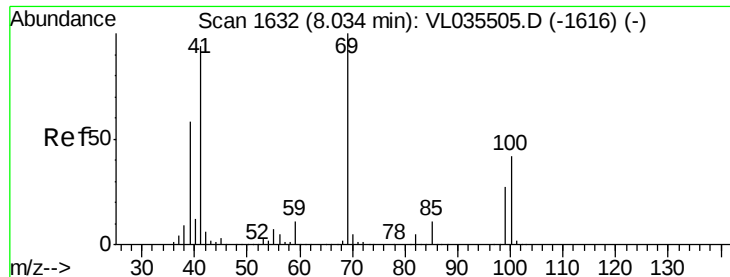
Tot Ion: 42 Resp: 764775
Ion Ratio Lower Upper
42 100
72 59.2 48.6 73.0
71 57.4 46.1 69.1



#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

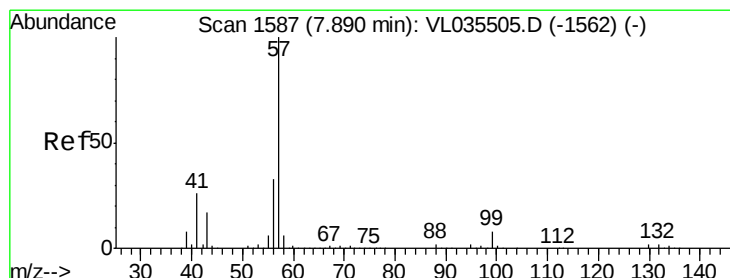
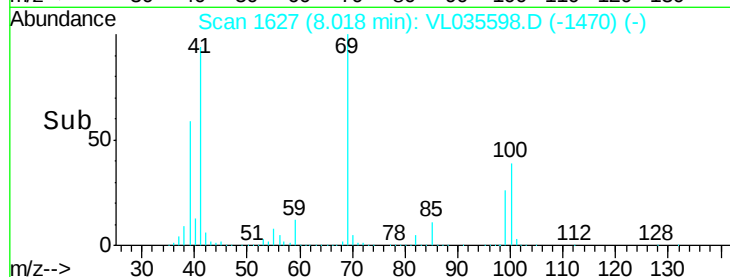
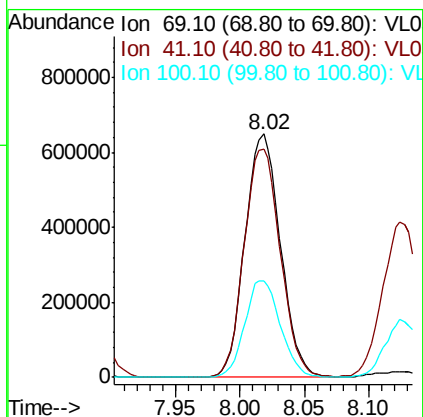
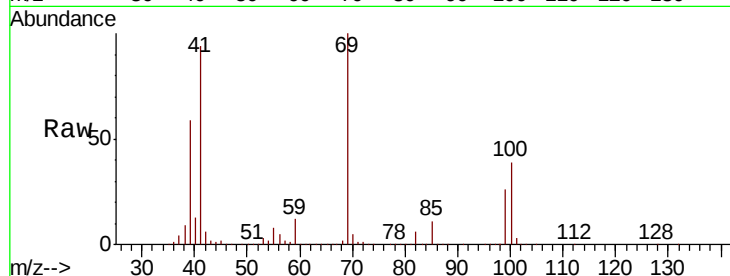




#43
Methvl Methacrylate
Concen: 11.360 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

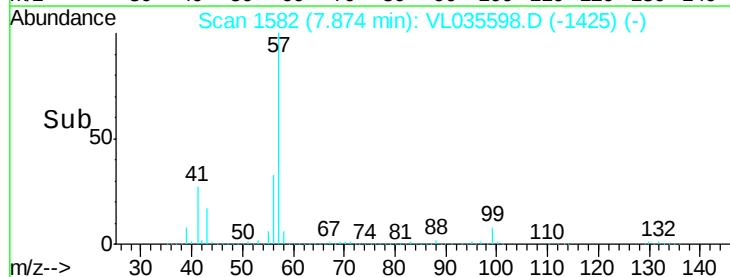
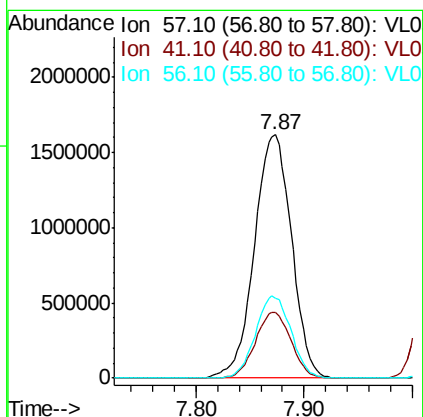
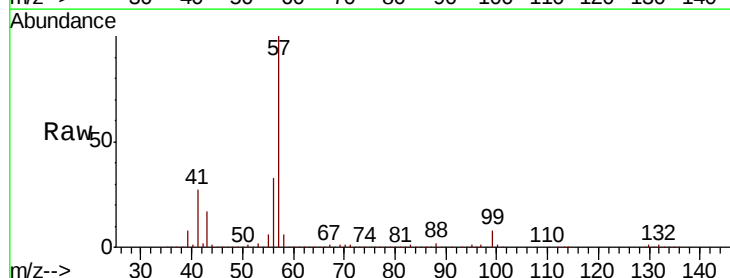
Instrument :
MSVOA_L
ClientSampled :

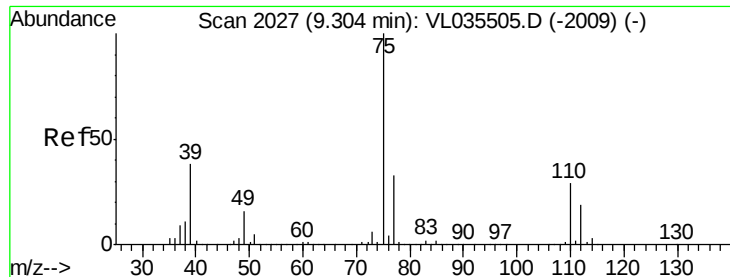
Tot Ion: 69 Resp: 1245477
Ion Ratio Lower Upper
69 100
41 96.1 76.6 114.8
100 39.9 33.8 50.6



#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

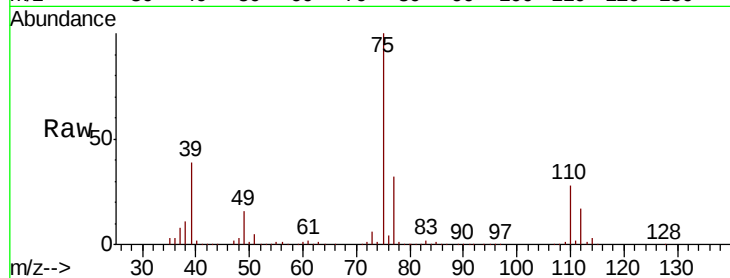
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1382464

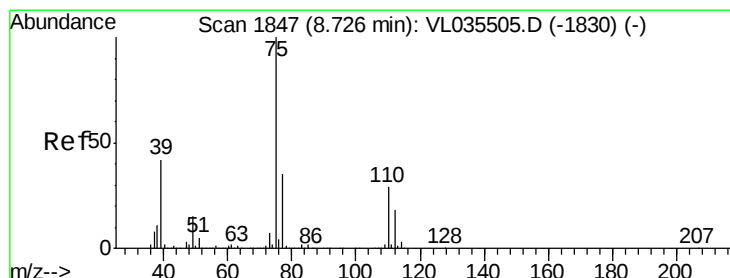
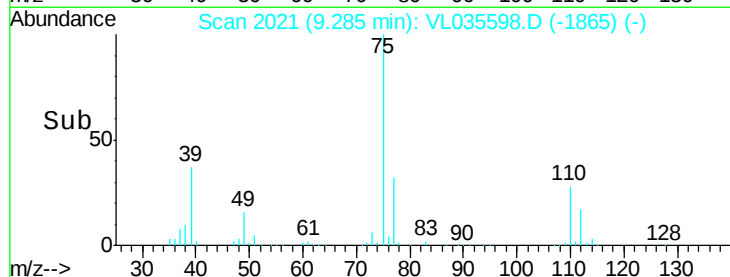
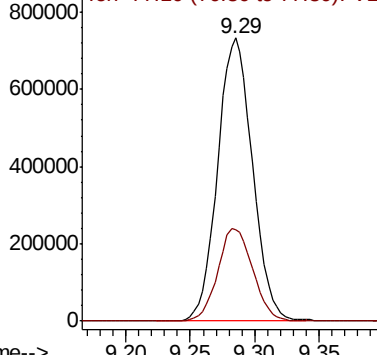
Ion Ratio Lower Upper

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



#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

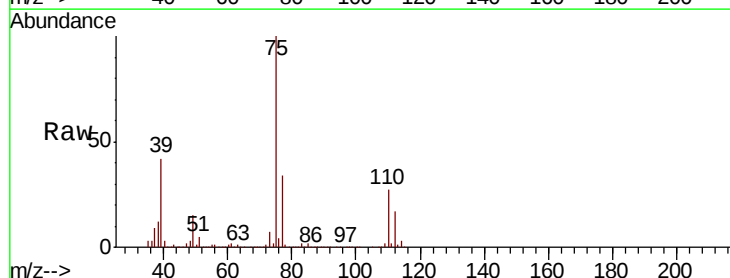
Tgt Ion: 75 Resp: 1644755

Ion Ratio Lower Upper

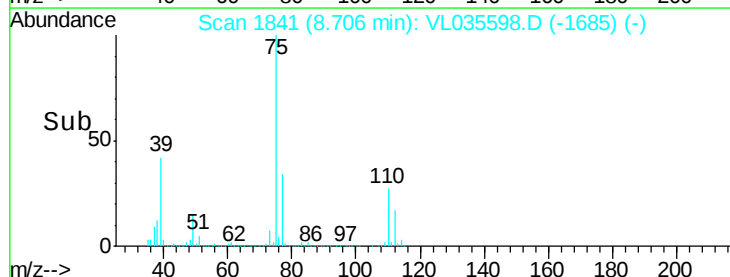
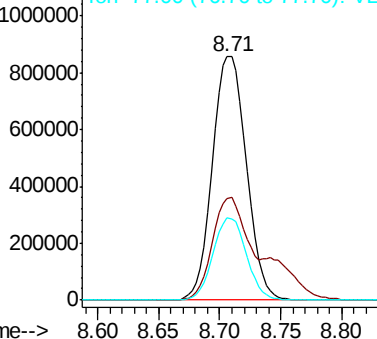
75 100

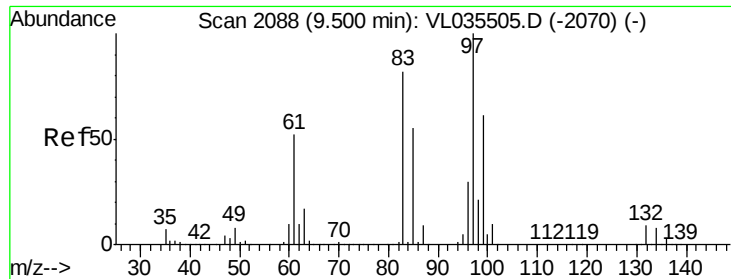
39 41.7 33.7 50.5

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

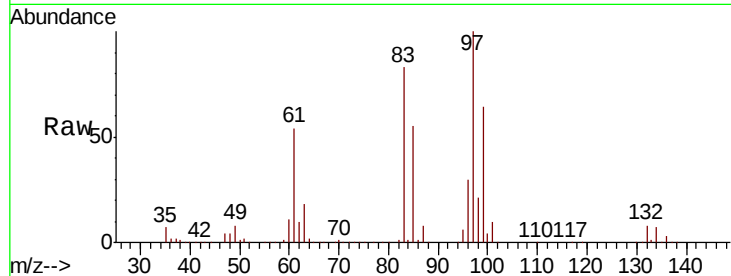




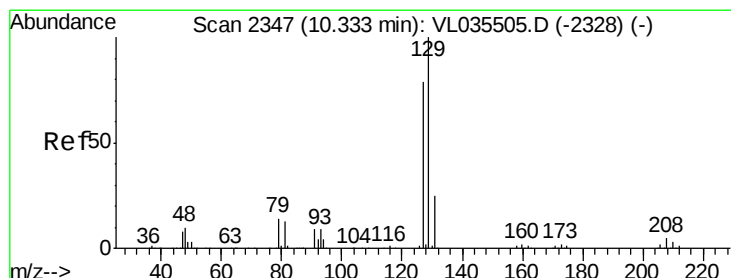
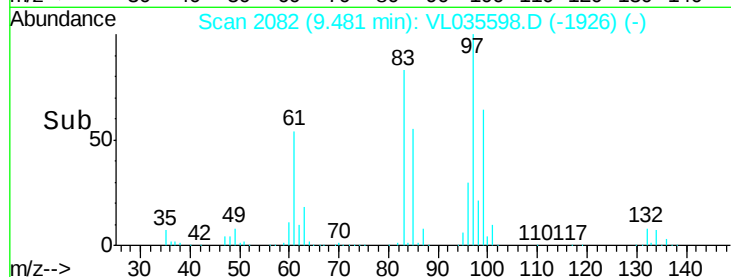
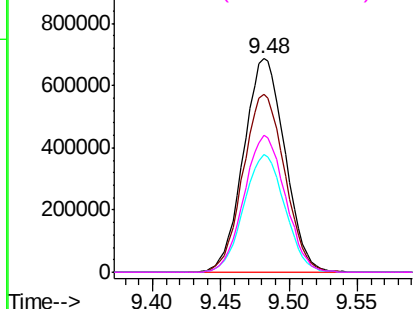
#47
 1,1,2-Trichloroethane
 Concen: 10.248 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot 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

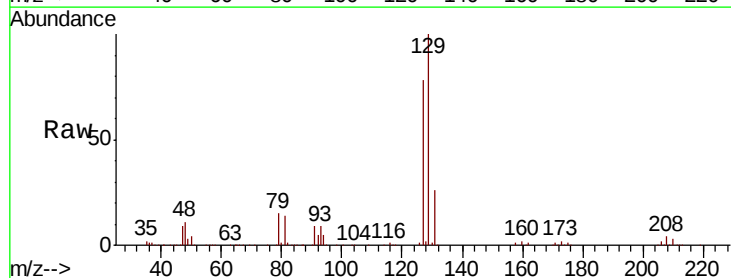


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

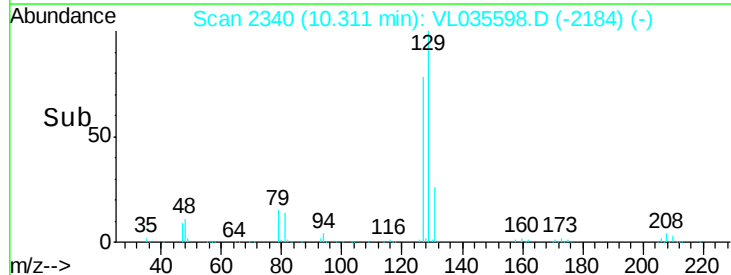
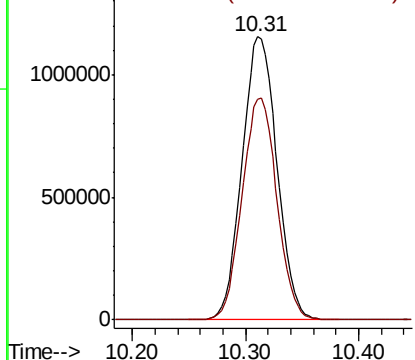


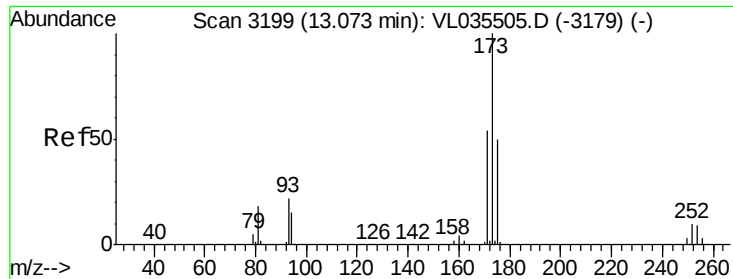
#48
 Dibromochloromethane
 Concen: 11.152 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

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

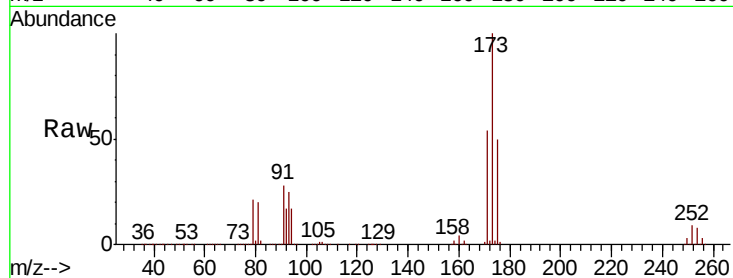
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 2241950

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.8	59.8
171	53.7	42.4	63.6

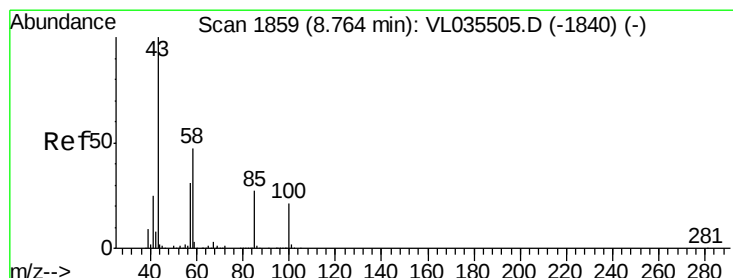
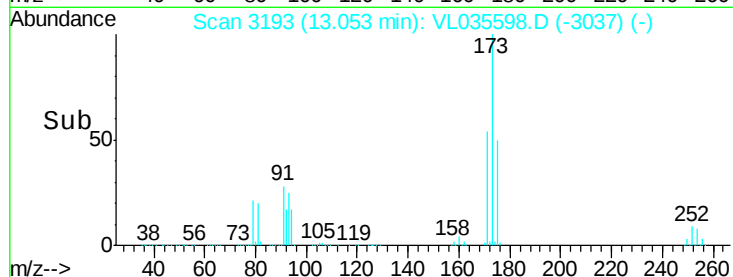
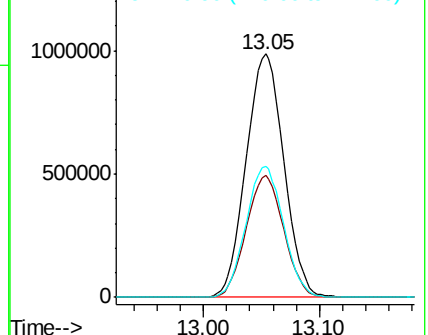


Abundance

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: 11.115 ppbv

RT: 8.74 min Scan# 1853

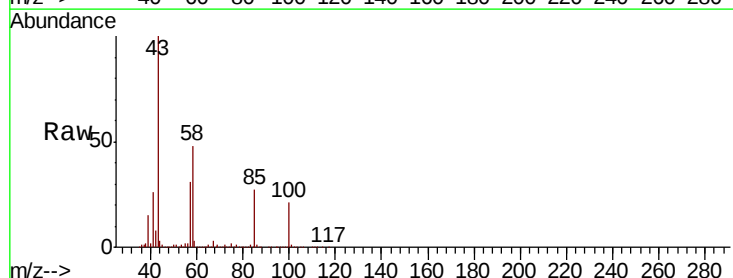
Delta R.T. 0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

Tgt Ion: 43 Resp: 2092262

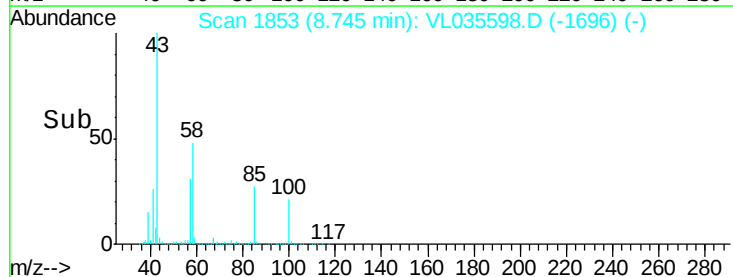
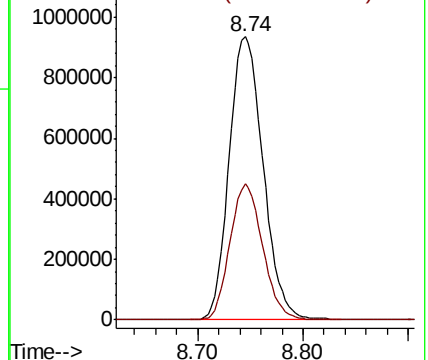
Ion	Ratio	Lower	Upper
43	100		
58	46.4	37.4	56.0

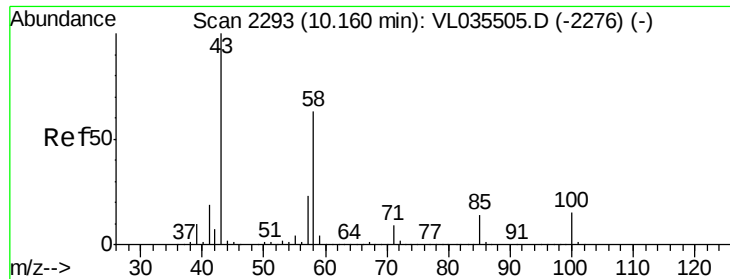


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

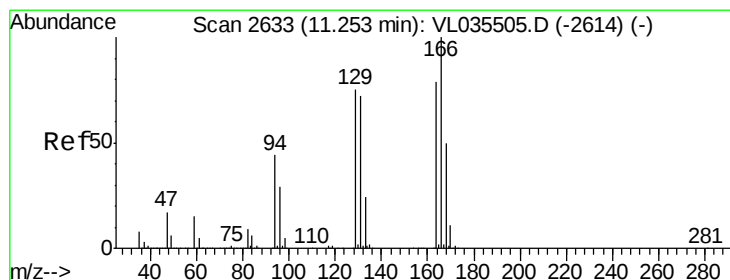
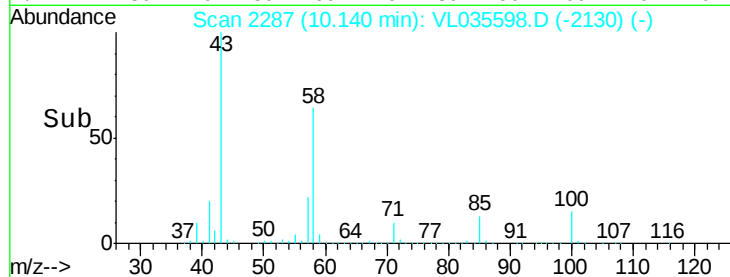
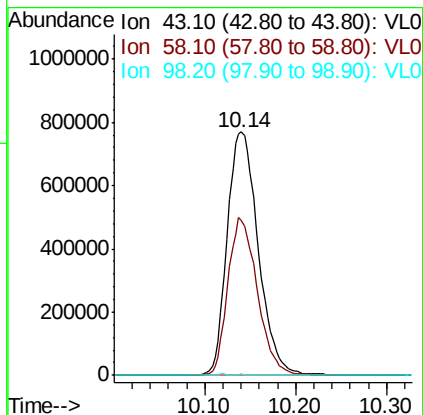
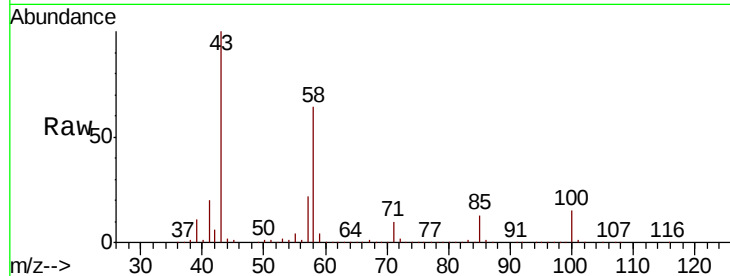




#51
2-Hexanone
Concen: 11.803 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

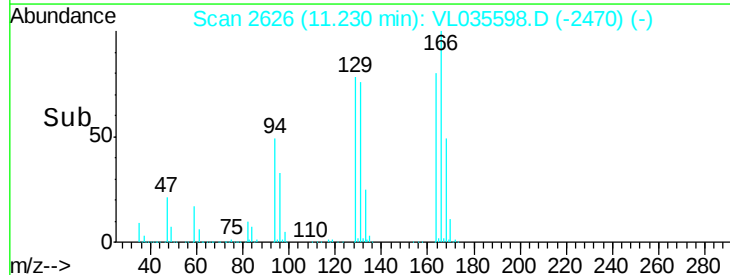
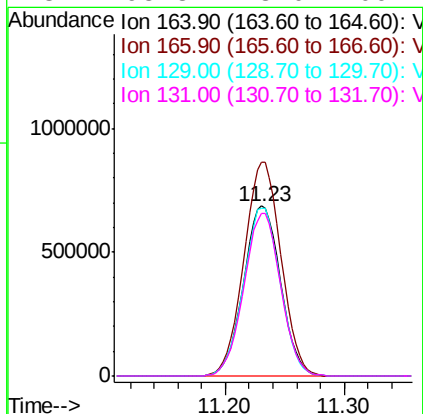
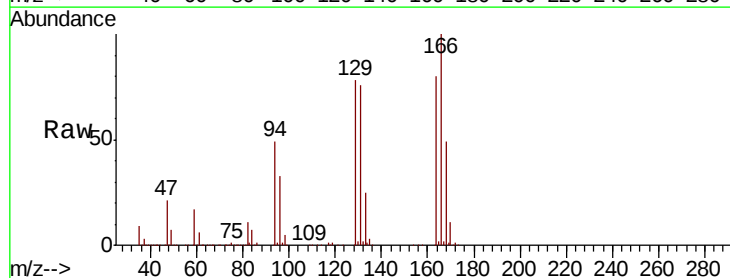
Instrument :
MSVOA_L
ClientSampled :

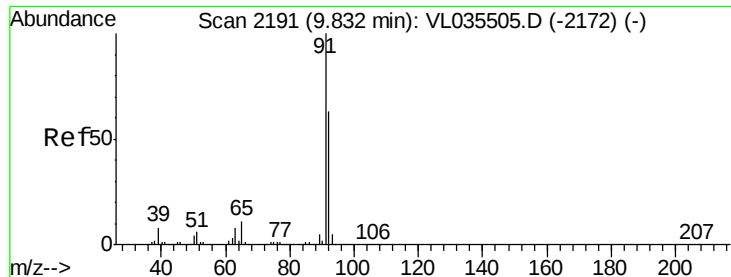
Tot Ion: 43 Resp: 1822528
Ion Ratio Lower Upper
43 100
58 61.8 50.2 75.4
98 0.7 0.4 0.6#



#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





#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

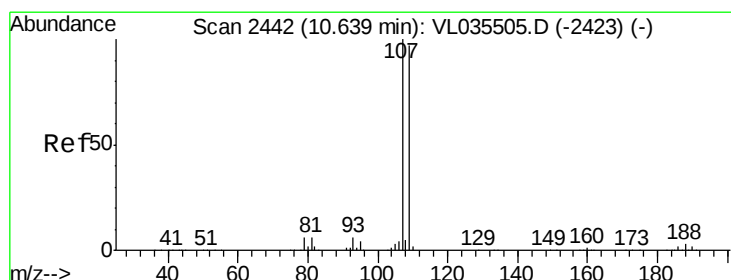
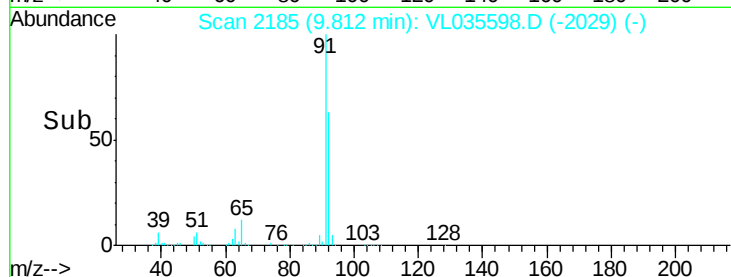
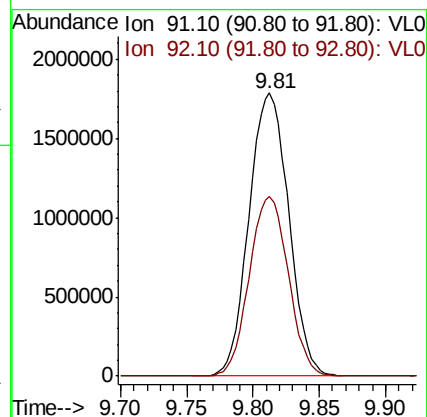
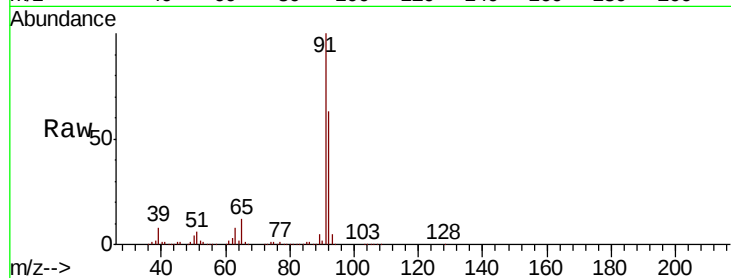
ClientSampleId :

Tot 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

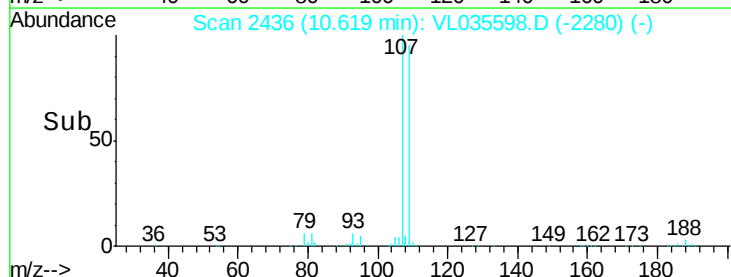
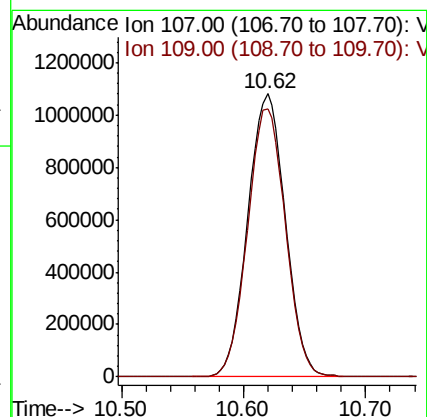
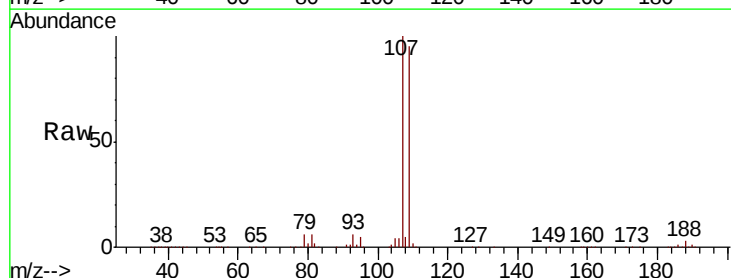
Acq: 14 Sep 2020 14:05

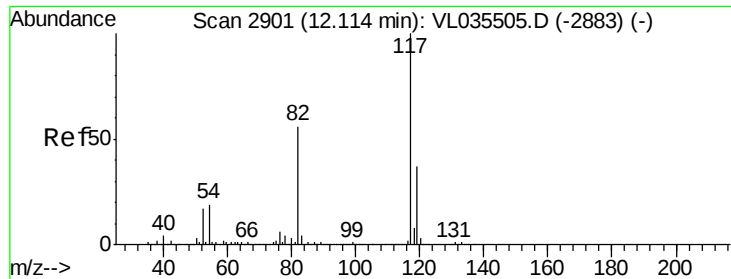
Tgt Ion: 107 Resp: 2296957

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8

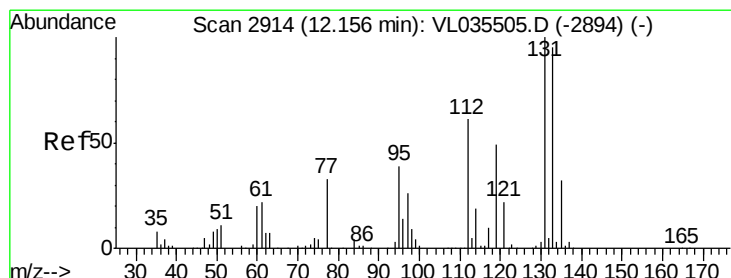
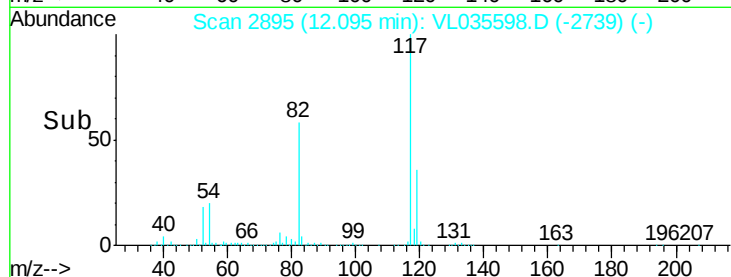
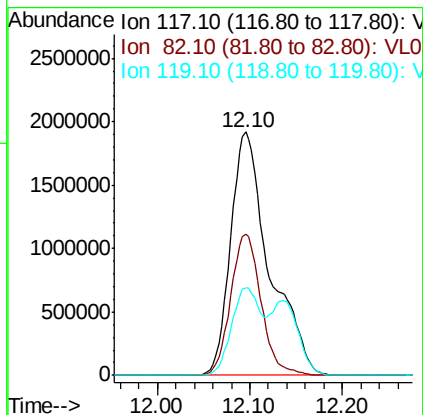
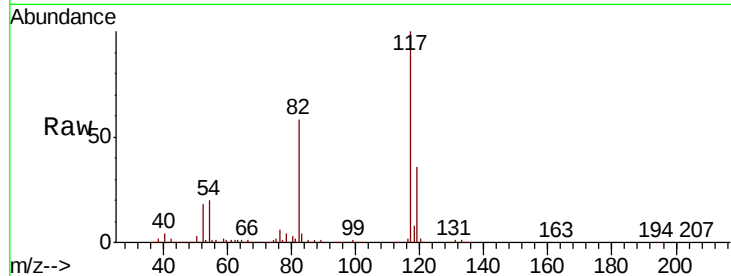




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

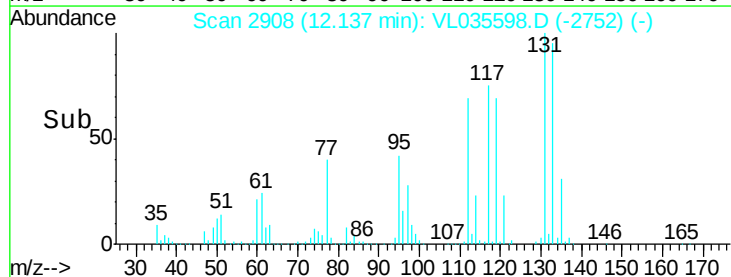
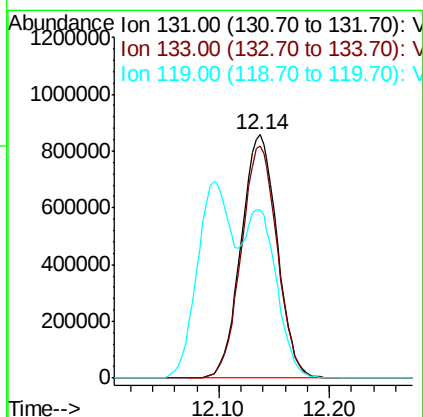
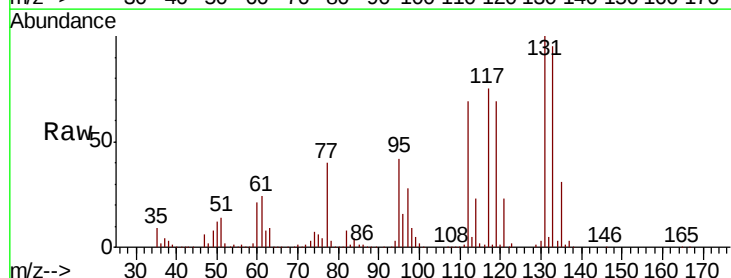
Instrument :
MSVOA_L
ClientSampleId :

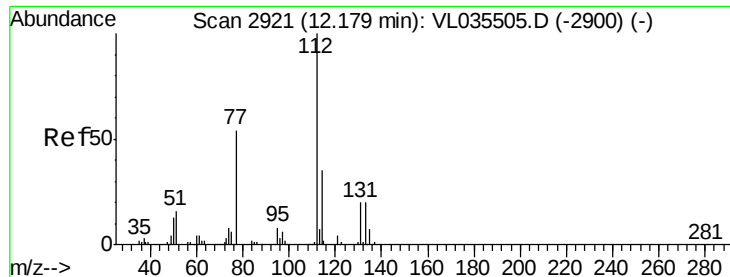
Tot Ion:117 Resp: 5585770
Ion Ratio Lower Upper
117 100
82 45.4 41.6 62.4
119 29.3 29.3 43.9



#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

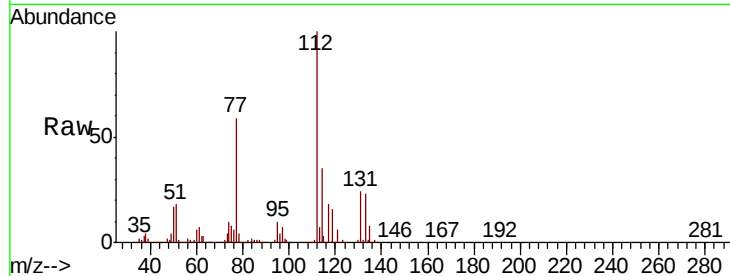




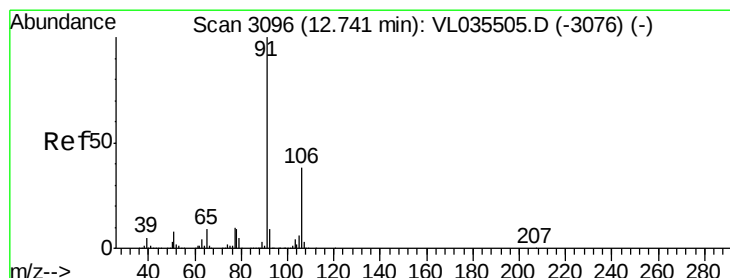
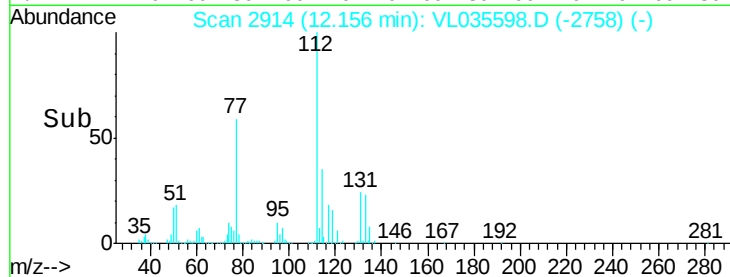
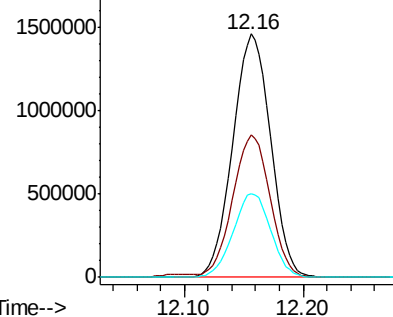
#57
Chlorobenzene
Concen: 7.835 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3221141
Ion Ratio Lower Upper
112 100
77 58.4 44.2 66.4
114 34.5 31.6 38.6

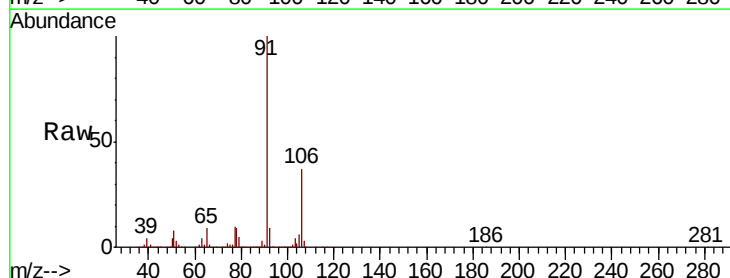


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

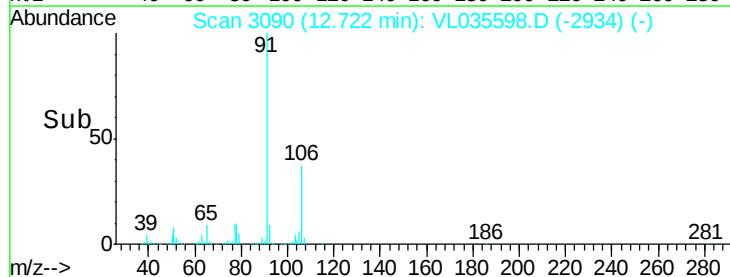
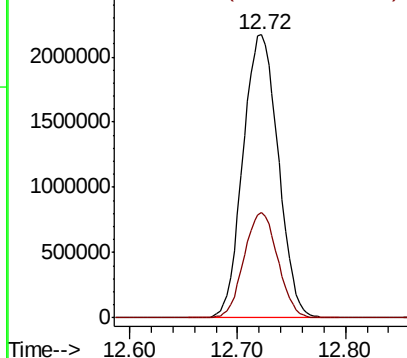


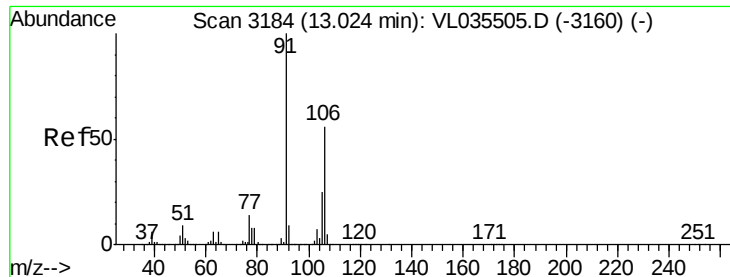
#58
Ethyl Benzene
Concen: 8.568 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

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
2500000 Ion 106.10 (105.80 to 106.80): V

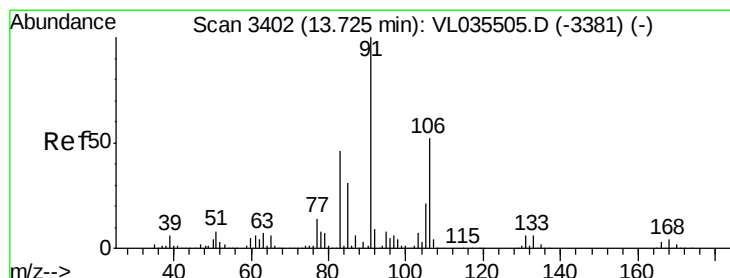
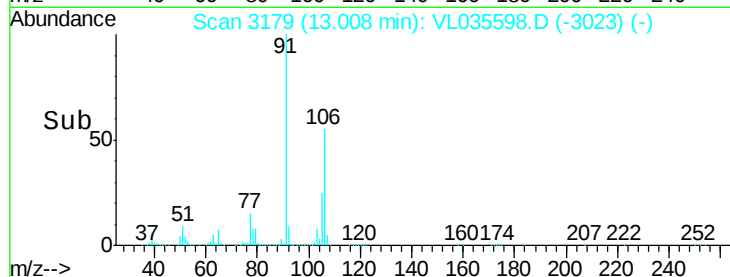
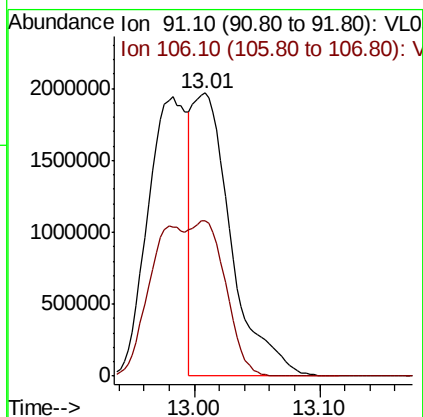
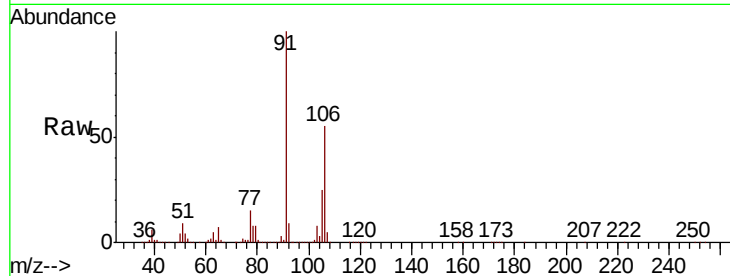




#59
m/p-Xylene
Concen: 8.723 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL035598.D
Acq: 14 Sep 2020 14:05

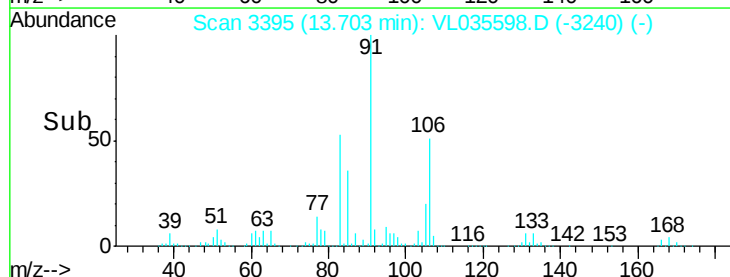
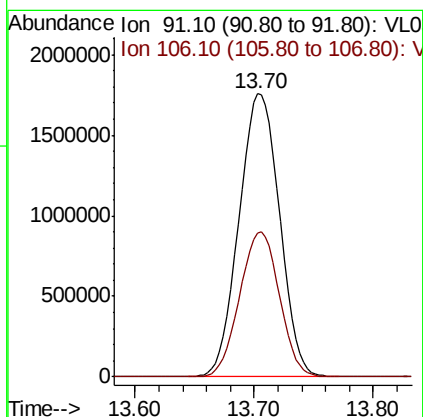
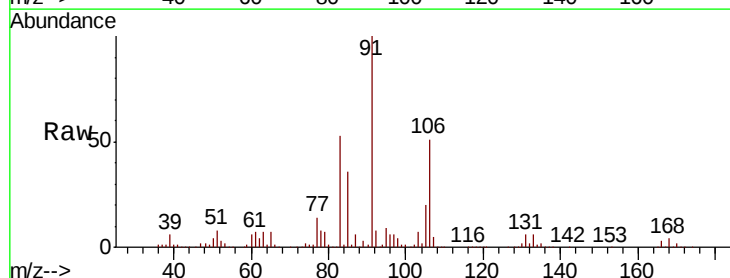
Instrument :
MSVOA_L
ClientSampled :

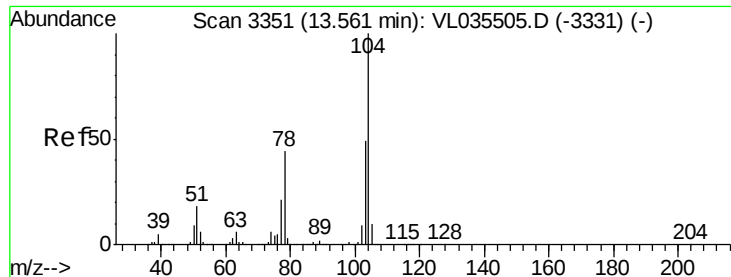
Tot Ion: 91 Resp: 4198653
Ion Ratio Lower Upper
91 100
106 101.9 43.4 65.2#



#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

Stvrene

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 :

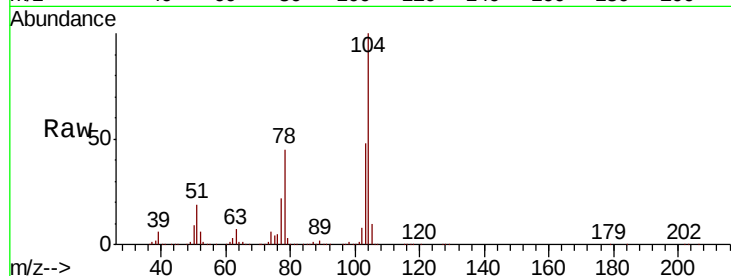
Tot Ion:104 Resp: 3299977

Ion	Ratio	Lower	Upper
104	100		
78	45.4	34.8	52.2
103	47.8	38.2	57.4

104 100

78 45.4 34.8 52.2

103 47.8 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

2000000

1500000

1000000

500000

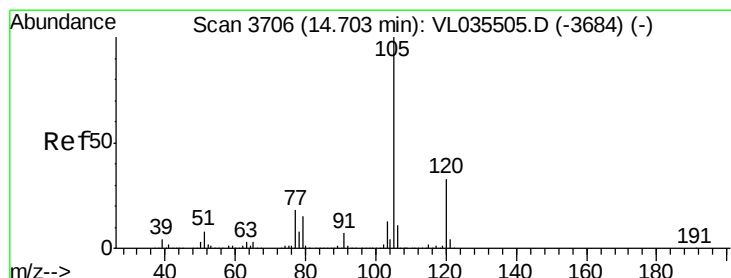
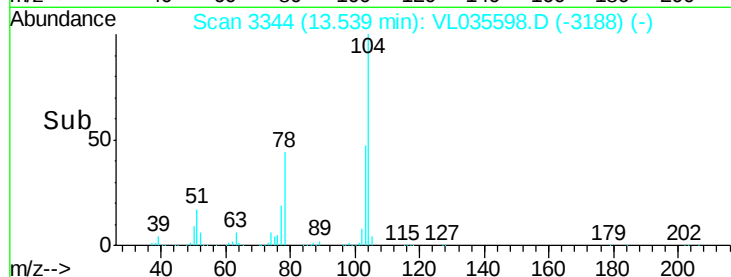
0

13.54

13.50

13.60

Time-->



#62

Isopropylbenzene

Concen: 8.048 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.00 min

Lab File: VL035598.D

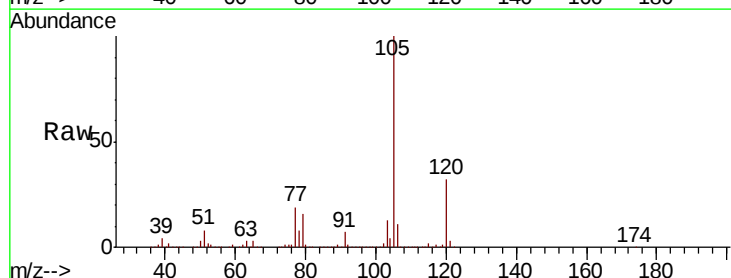
Acq: 14 Sep 2020 14:05

Tgt Ion:105 Resp: 6266498

Ion	Ratio	Lower	Upper
105	100		
120	30.3	25.0	37.4

105 100

120 30.3 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

3000000

2500000

2000000

1500000

1000000

500000

0

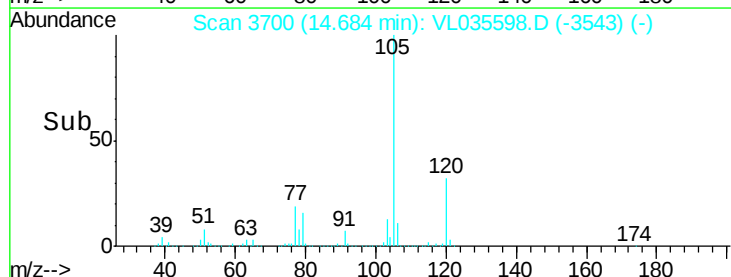
14.68

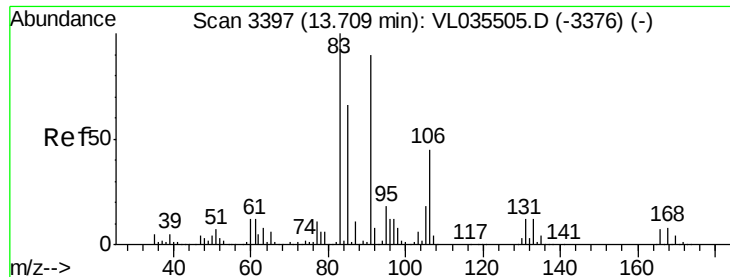
14.60

14.70

14.80

Time-->

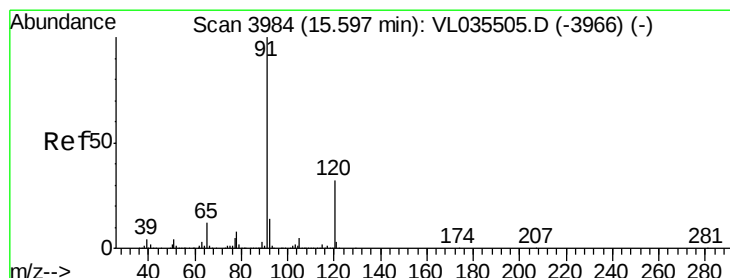
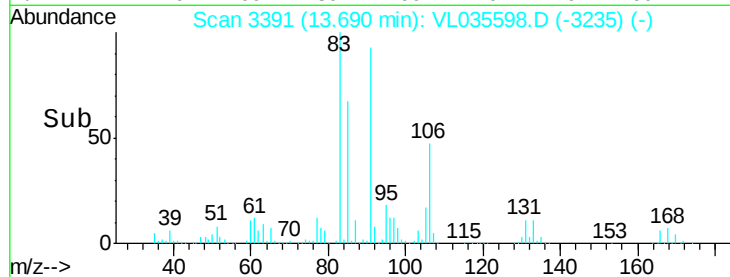
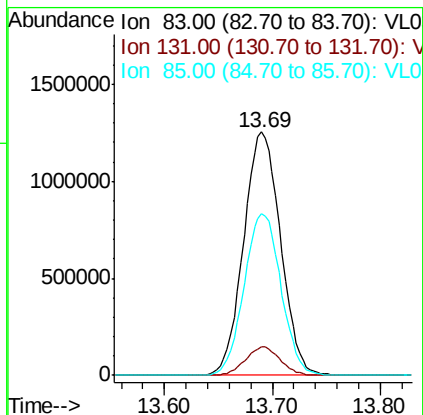
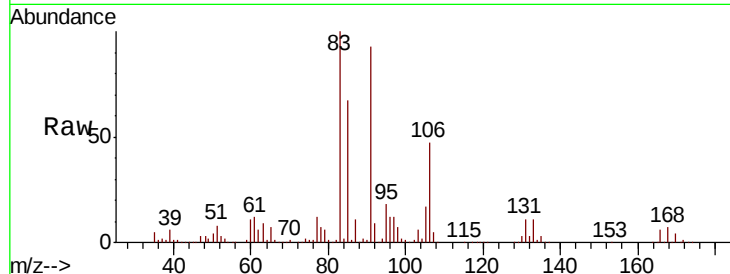




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.940 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

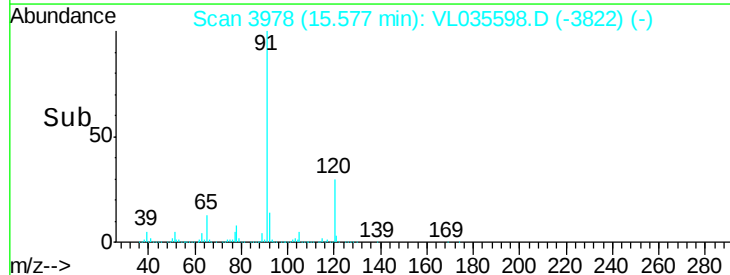
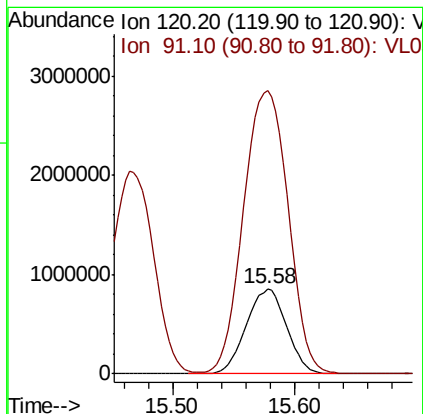
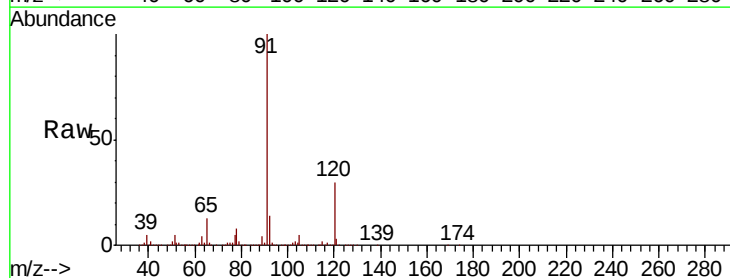
Instrument :
 MSVOA_L
 ClientSampleId :

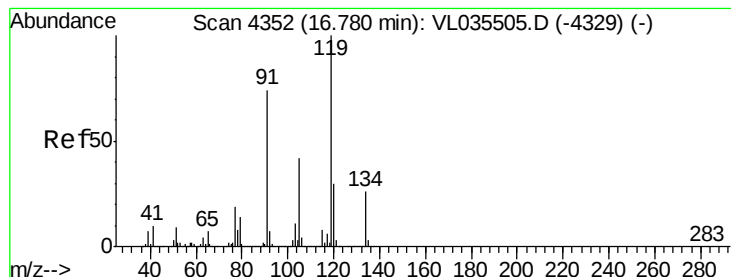
Tot Ion: 83 Resp: 2984227
 Ion Ratio Lower Upper
 83 100
 131 11.1 6.0 18.0
 85 66.7 33.4 100.2



#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





#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

ClientSampled :

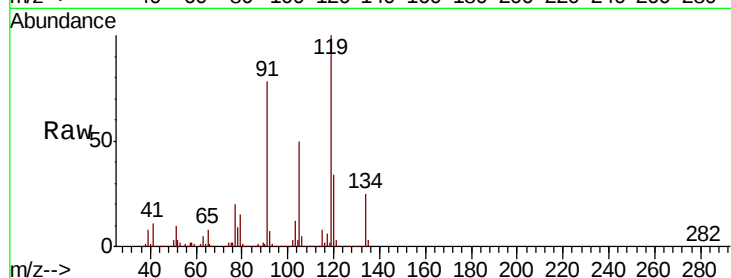
Tot Ion:119 Resp: 5864018

Ion Ratio Lower Upper

119 100

91 76.4 58.6 87.8

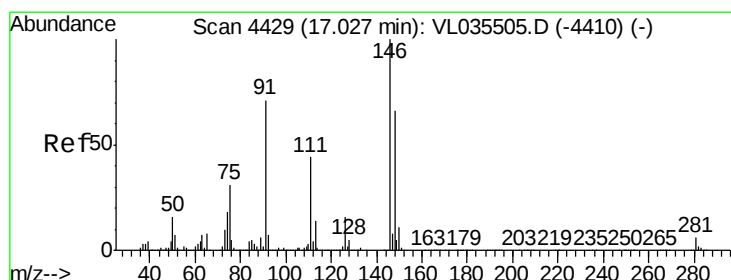
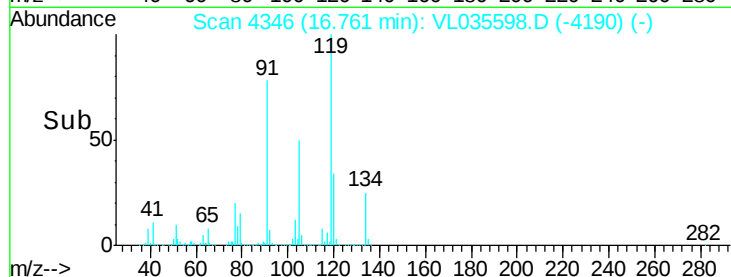
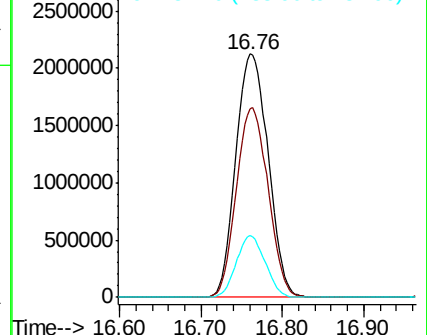
134 22.8 18.9 28.3



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: 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

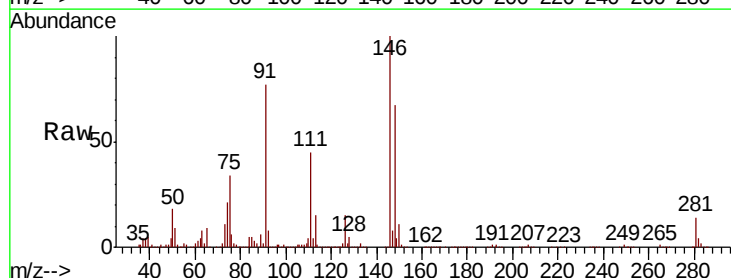
Tgt Ion: 91 Resp: 2141528

Ion Ratio Lower Upper

91 100

126 19.8 17.2 25.8

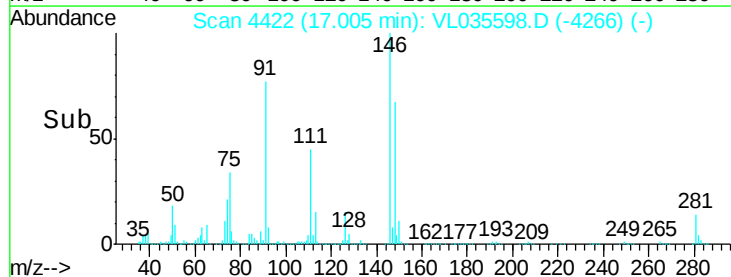
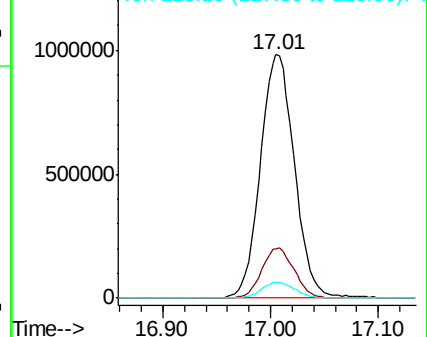
128 6.4 5.5 8.3

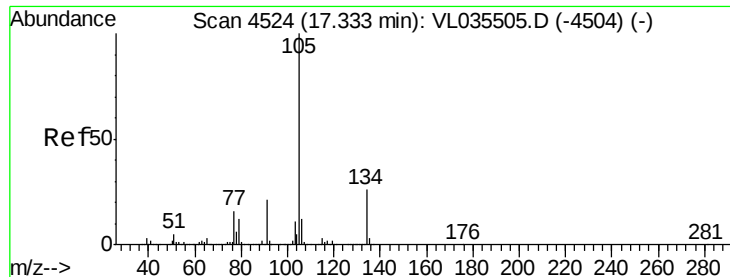


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.078 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

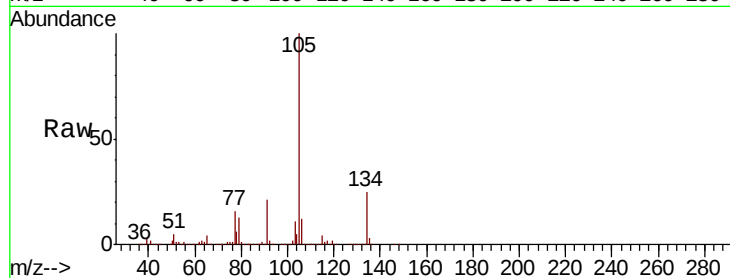
ClientSampleId :

Tot Ion:105 Resp: 7790402

Ion Ratio Lower Upper

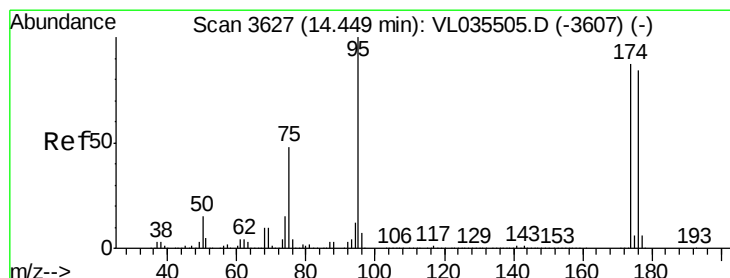
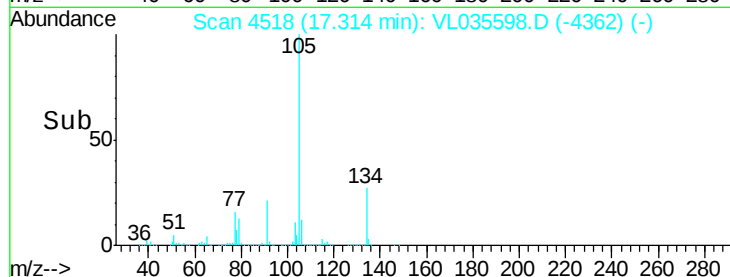
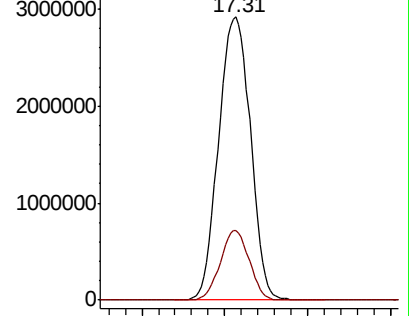
105 100

134 22.4 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: 8.436 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035598.D

Acq: 14 Sep 2020 14:05

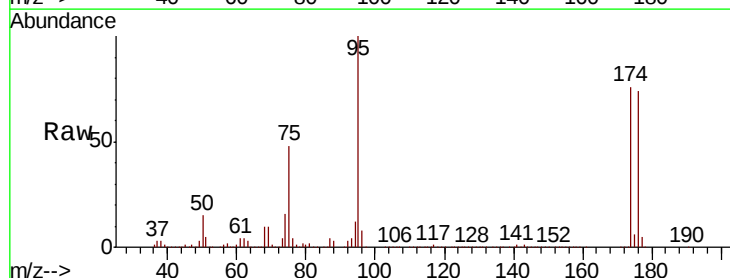
Tgt Ion: 95 Resp: 3346506

Ion Ratio Lower Upper

95 100

174 77.0 69.6 104.4

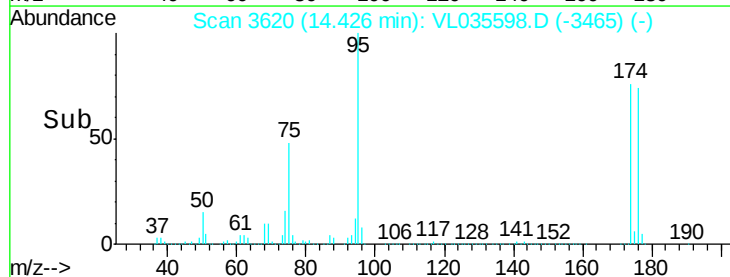
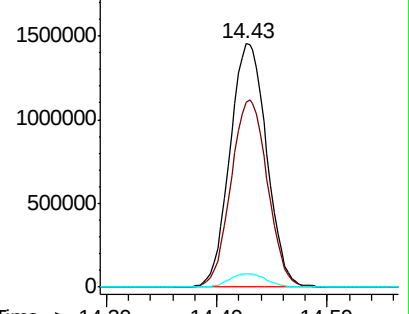
175 5.6 5.1 7.7

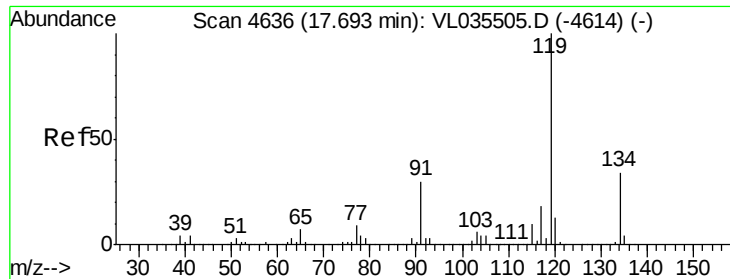


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

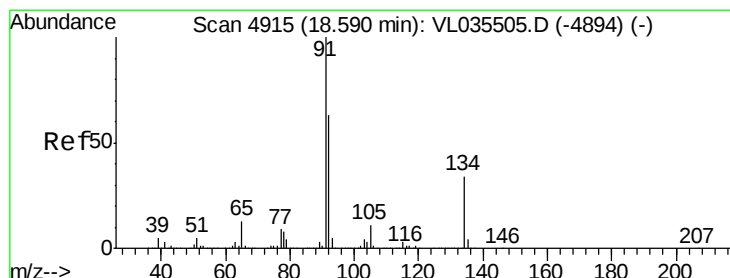
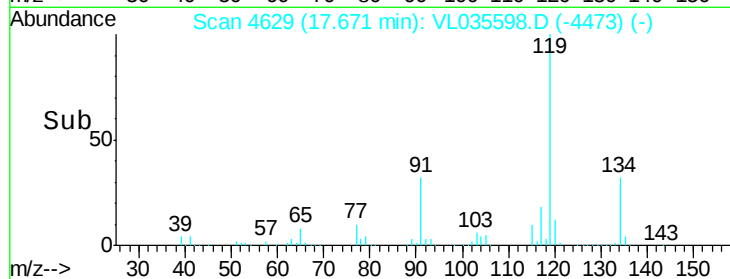
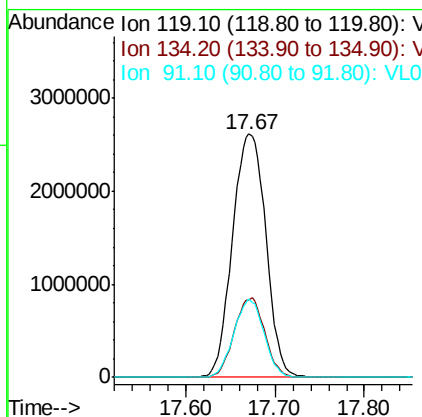
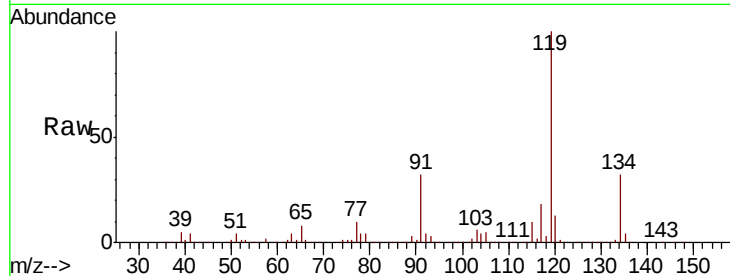




#69
 p-Isopropyltoluene
 Concen: 8.013 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

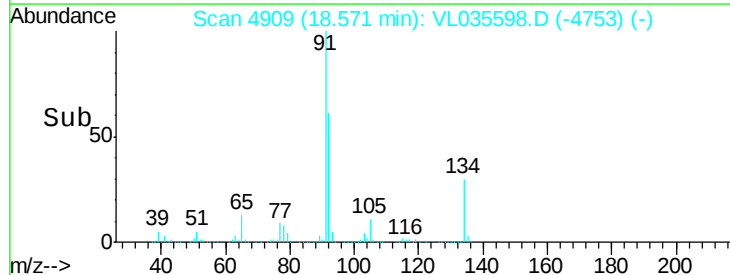
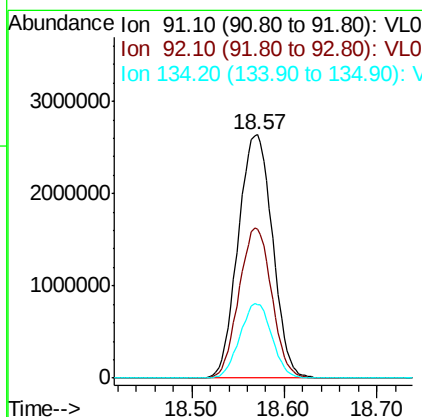
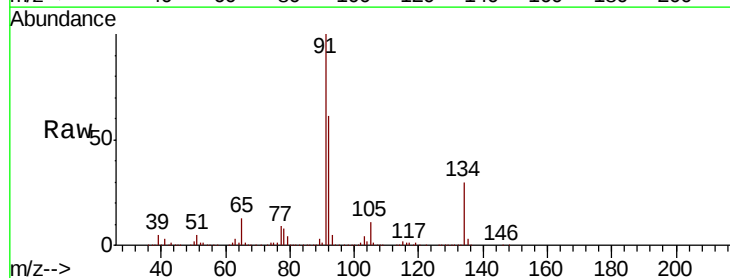
Instrument :
 MSVOA_L
 ClientSampleId :

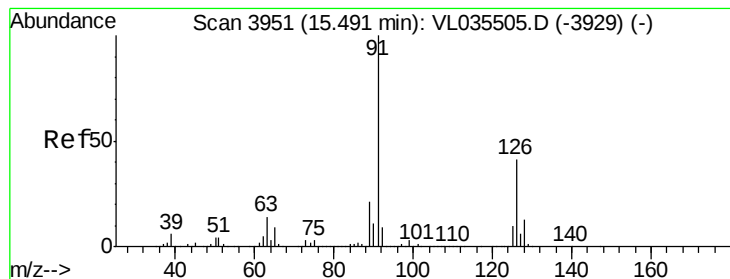
Tot Ion: 119 Resp: 6778421
 Ion Ratio Lower Upper
 119 100
 134 30.0 25.0 37.4
 91 29.1 22.3 33.5



#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

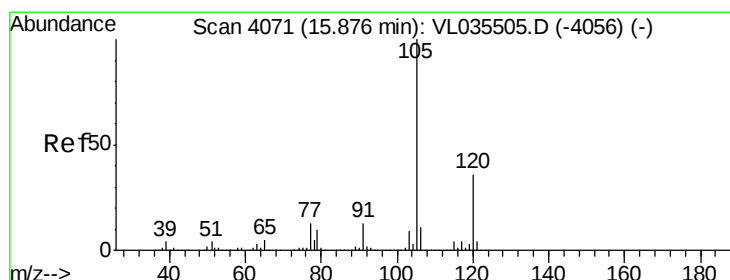
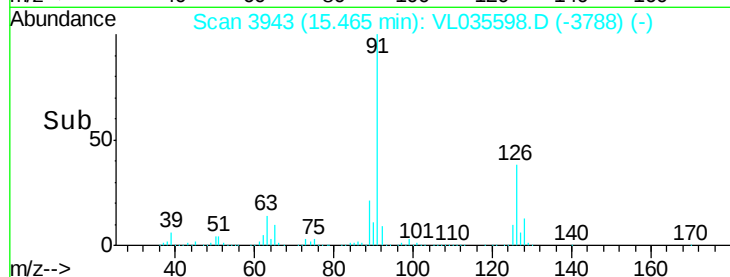
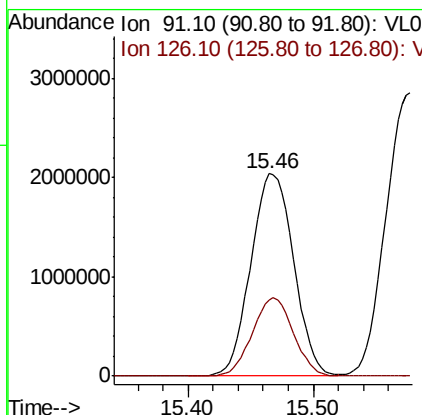
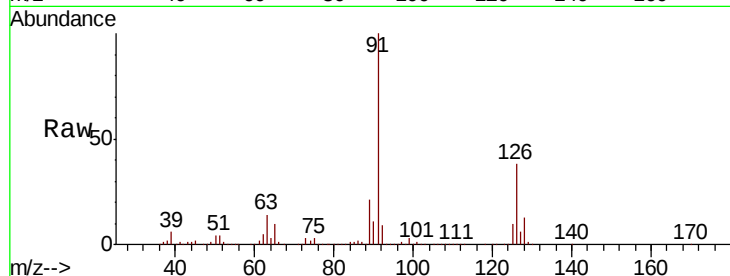




#71
 2-Chlorotoluene
 Concen: 8.565 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

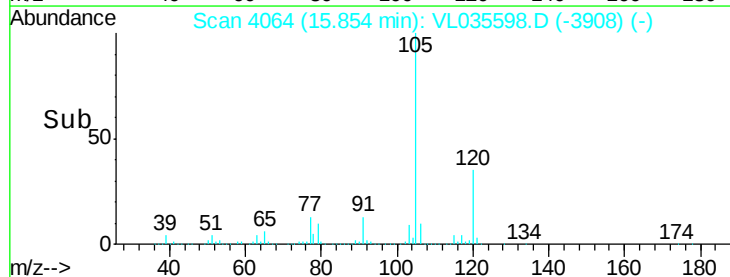
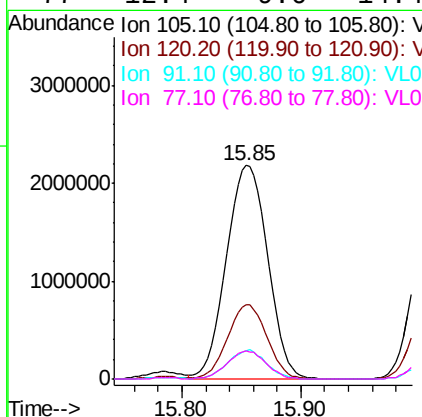
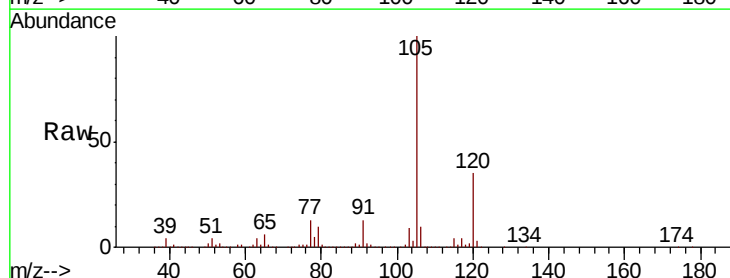
Instrument :
 MSVOA_L
 ClientSampleId :

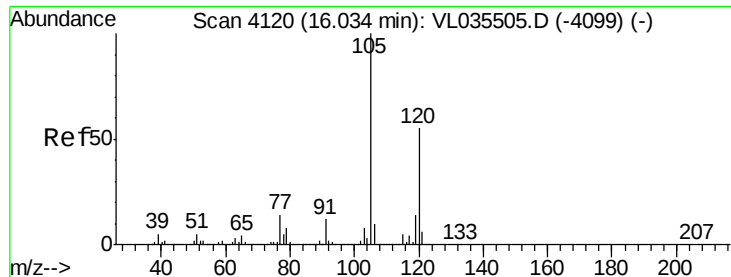
Tot Ion: 91 Resp: 4857148
 Ion Ratio Lower Upper
 91 100
 126 37.0 15.6 62.6



#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





#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

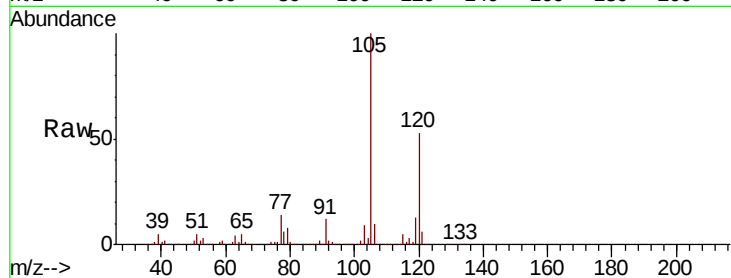
ClientSampleId :

Tot Ion:105 Resp: 4834940

Ion Ratio Lower Upper

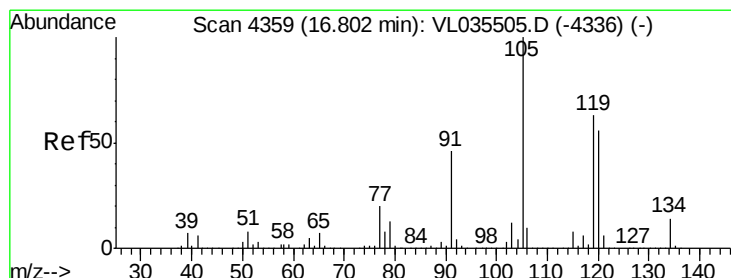
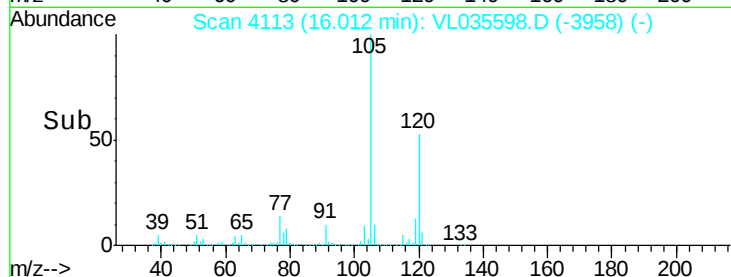
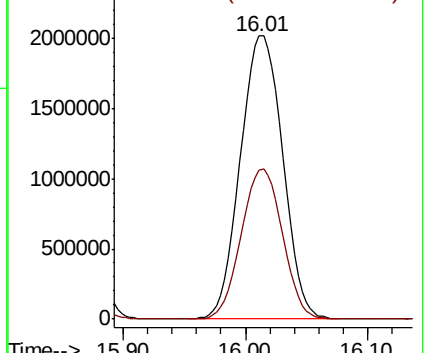
105 100

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

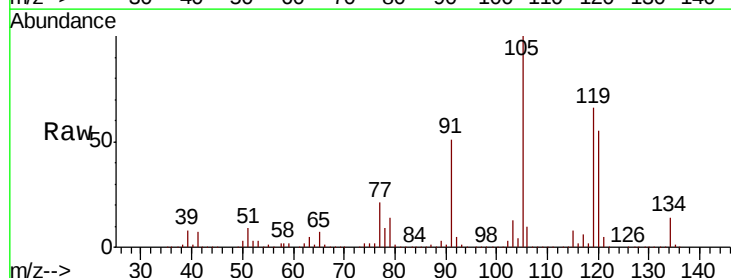
Ion Ratio Lower Upper

105 100

120 54.7 44.4 66.6

91 50.7 37.1 55.7

77 21.1 16.0 24.0

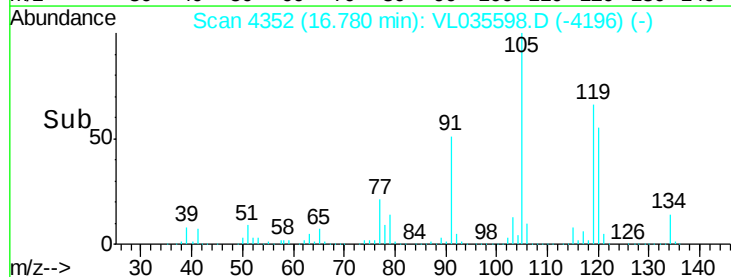
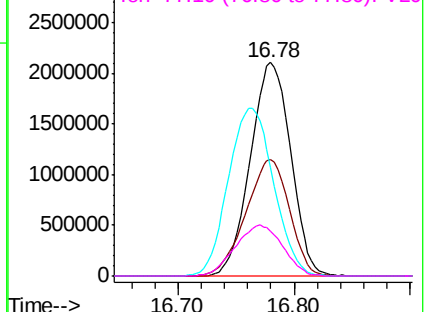


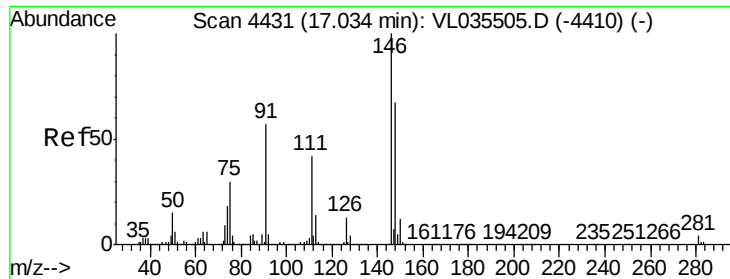
Abundance Ion 105.10 (104.80 to 105.80): V

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

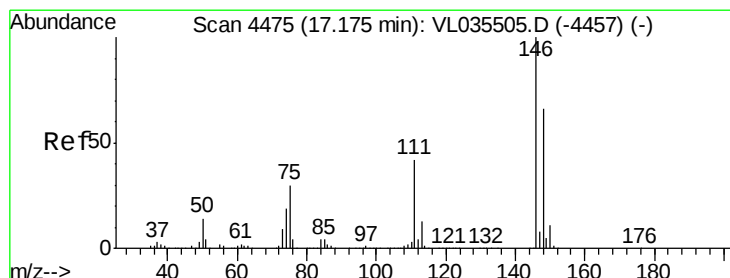
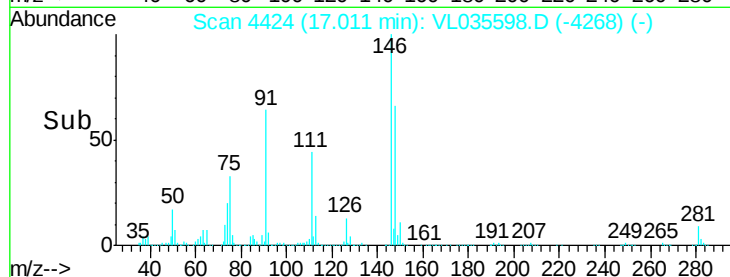
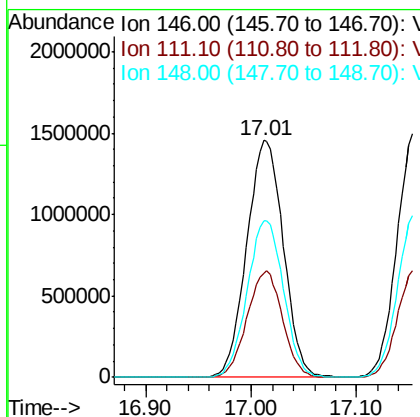
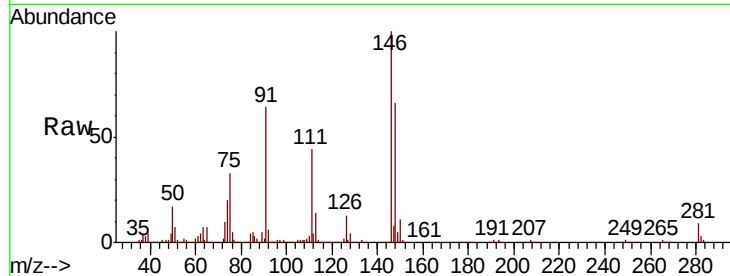




#75
 1,3-Dichlorobenzene
 Concen: 7.581 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL035598.D
 Acq: 14 Sep 2020 14:05

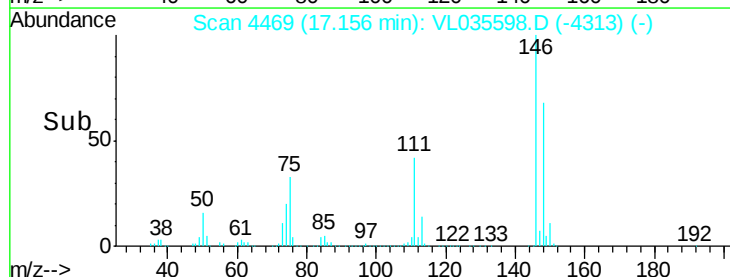
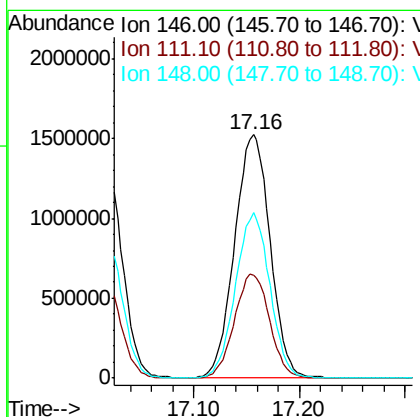
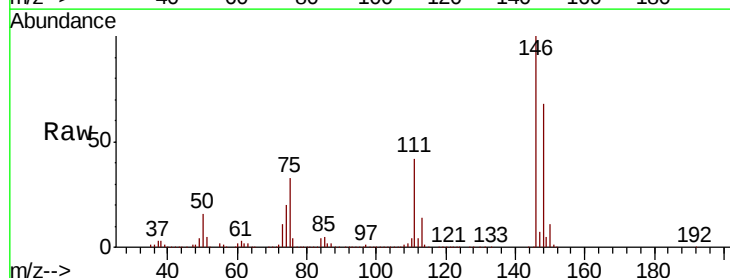
Instrument :
 MSVOA_L
 ClientSampleId :

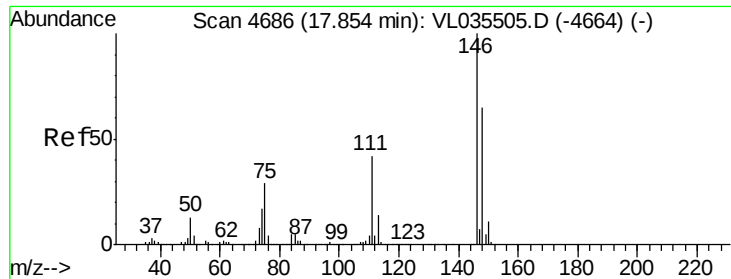
Tot Ion:146 Resp: 3515216
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.7 62.1
 148 65.7 33.0 98.9



#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 :

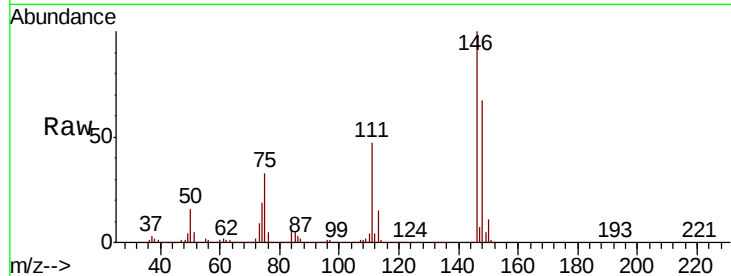
Tot Ion:146 Resp: 3422186

Ion Ratio Lower Upper

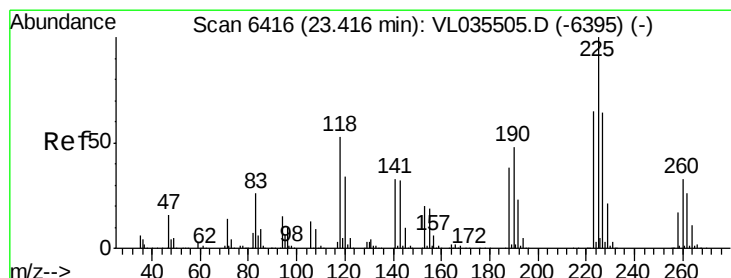
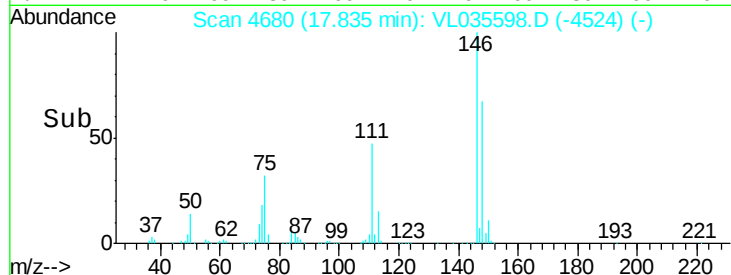
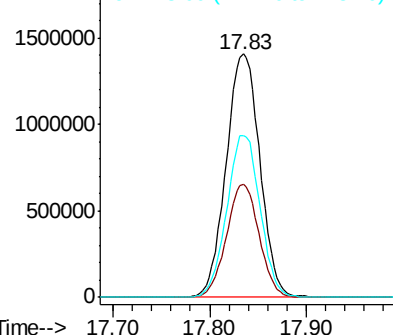
146 100

111 45.1 21.1 63.3

148 65.4 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 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

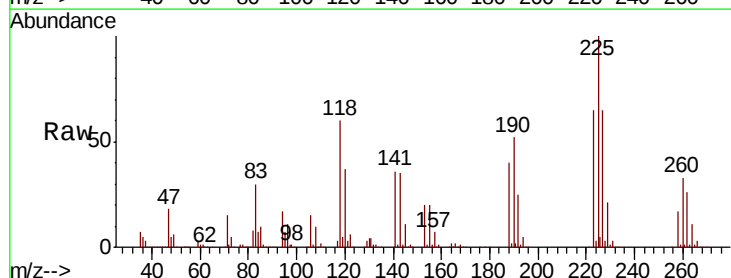
Tgt Ion:225 Resp: 2080867

Ion Ratio Lower Upper

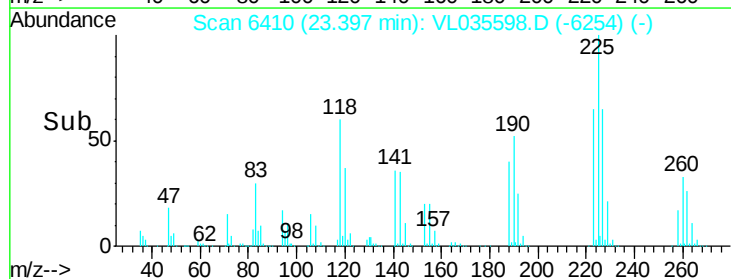
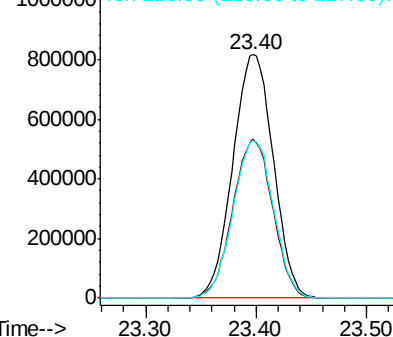
225 100

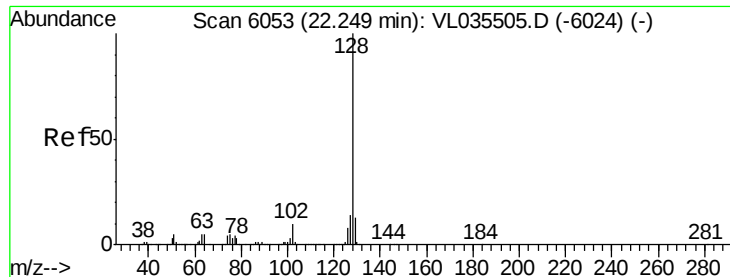
223 64.4 51.7 77.5

227 64.8 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 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 :

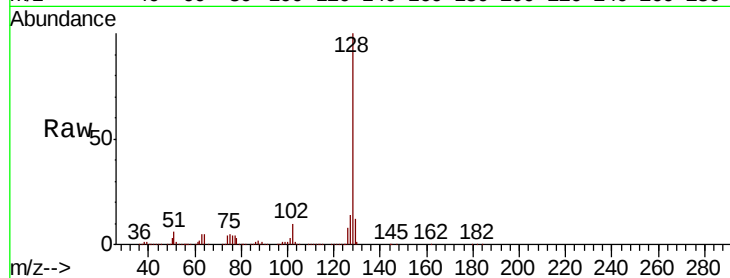
Tot Ion:128 Resp: 5928866

Ion Ratio Lower Upper

128 100

127 13.9 11.4 17.2

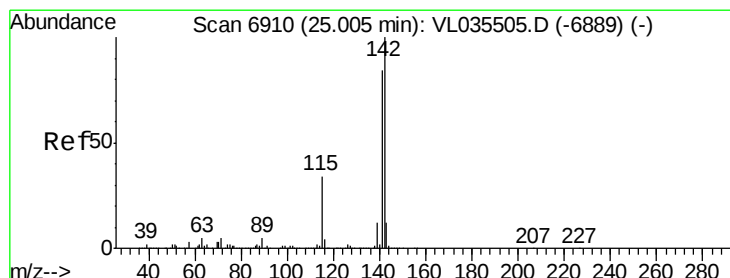
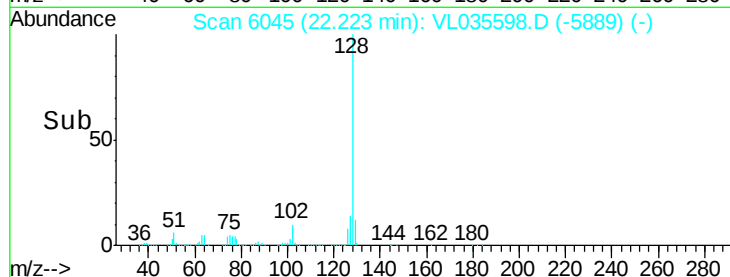
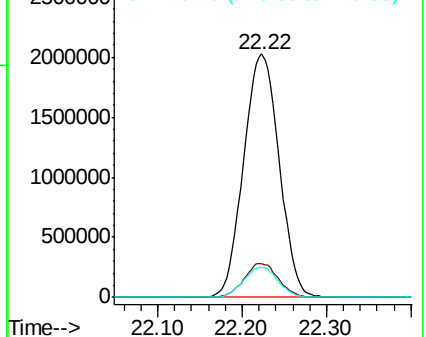
129 12.5 10.5 15.7



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

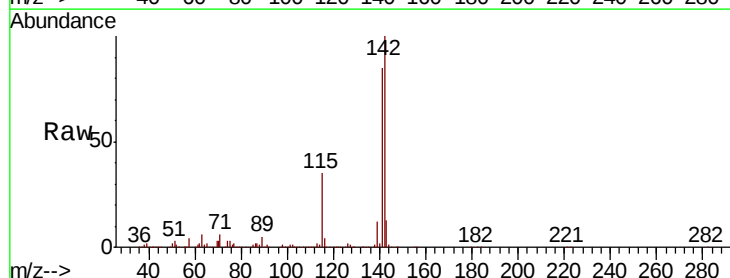
Tgt Ion:142 Resp: 2200003

Ion Ratio Lower Upper

142 100

141 84.8 67.6 101.4

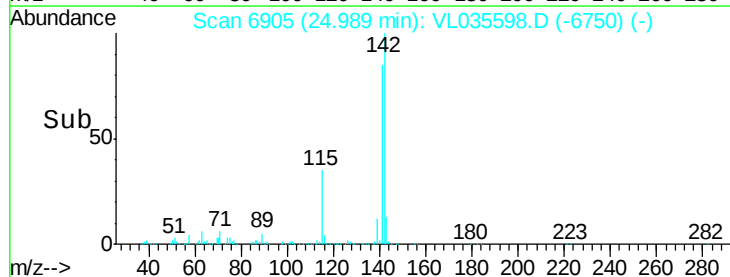
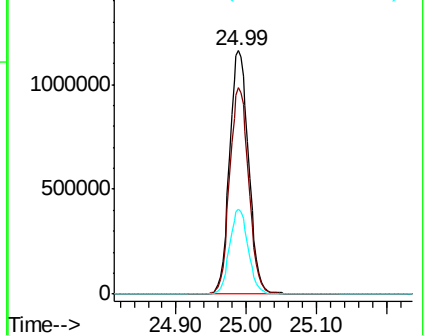
115 34.2 25.8 38.8

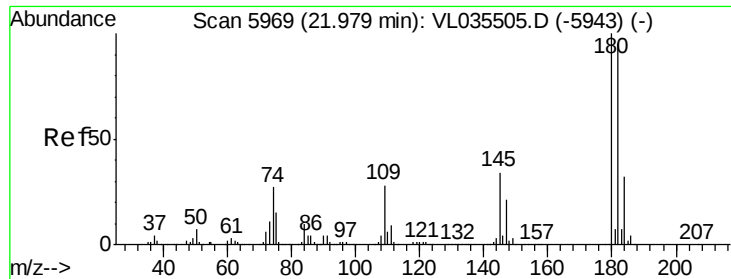


Abundance Ion 142.00 (141.70 to 142.70): V

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 :

Tot Ion:180 Resp: 3189577
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 31.3 25.3 37.9

