

Data File : VL034792.D
Acq On : 5 Mar 2020 11:51
Operator : SY/AP
Sample : VL0305ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Quant Time: Mar 06 03:41:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021546	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2112584	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2183869	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1855891	10.19	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1714724	10.286	ppbv	99
3) Chlorodifluoromethane	2.95	51	1049212	9.015	ppbv	97
4) Chloromethane	3.11	50	578911	9.235	ppbv	100
5) Vinyl Chloride	3.22	62	573032	8.653	ppbv	98
6) Bromomethane	3.44	94	346814	9.595	ppbv	96
7) Chloroethane	3.53	64	211698	9.245	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1342671	9.271	ppbv	100
9) Propene	2.97	41	414710	9.053	ppbv	100
10) Heptane	8.13	43	1172917	10.075	ppbv	99
11) Trichlorofluoromethane	3.92	101	1411463	9.462	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	966136	9.387	ppbv	97
13) Ethanol	3.57	45	95735	6.099	ppbv	100
14) Bromoethene	3.71	108	415345	9.834	ppbv	98
15) Acetone	3.82	43	1075730	8.794	ppbv	100
16) 1,3-Butadiene	3.29	39	526838	9.519	ppbv	99
17) tert-Butyl alcohol	4.27	59	708313	7.343	ppbv	99
18) 1,1-Dichloroethene	4.27	96	451198	9.940	ppbv	99
19) Isopropyl Alcohol	3.94	45	549968	7.503	ppbv	# 98
20) Methylene Chloride	4.32	84	390863	8.952	ppbv	98
21) Allyl Chloride	4.39	41	771046	9.953	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	444294	10.026	ppbv	94
23) Vinyl Acetate	5.06	43	1604622	9.782	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1193821	9.377	ppbv	99
25) Ethyl Acetate	5.67	43	2005967	9.489	ppbv	99
26) Hexane	5.68	57	907347	9.825	ppbv	99
27) Carbon Disulfide	4.53	76	1160074	10.753	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1280601	9.317	ppbv	99
29) Chloroform	5.75	83	1467632	9.441	ppbv	98
30) Cyclohexane	7.14	84	726585	10.284	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	933226	9.852	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1423274	9.265	ppbv	99
34) 2-Butanone	5.23	43	1330627	9.682	ppbv	99
35) Carbon Tetrachloride	7.02	117	1502227	9.424	ppbv	99
36) Benzene	6.90	78	1746604	9.675	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1209948	9.813	ppbv	99
38) Trichloroethene	7.85	130	678150	9.639	ppbv	99
39) 1,2-Dichloropropane	7.62	63	703293	9.654	ppbv	97
40) 1,4-Dioxane	7.84	88	219850	8.725	ppbv	# 94
41) Tetrahydrofuran	6.04	42	717188	10.227	ppbv	99
42) Bromodichloromethane	7.81	83	1593150	10.212	ppbv	98
43) Methyl Methacrylate	8.02	69	801991	10.484	ppbv	100

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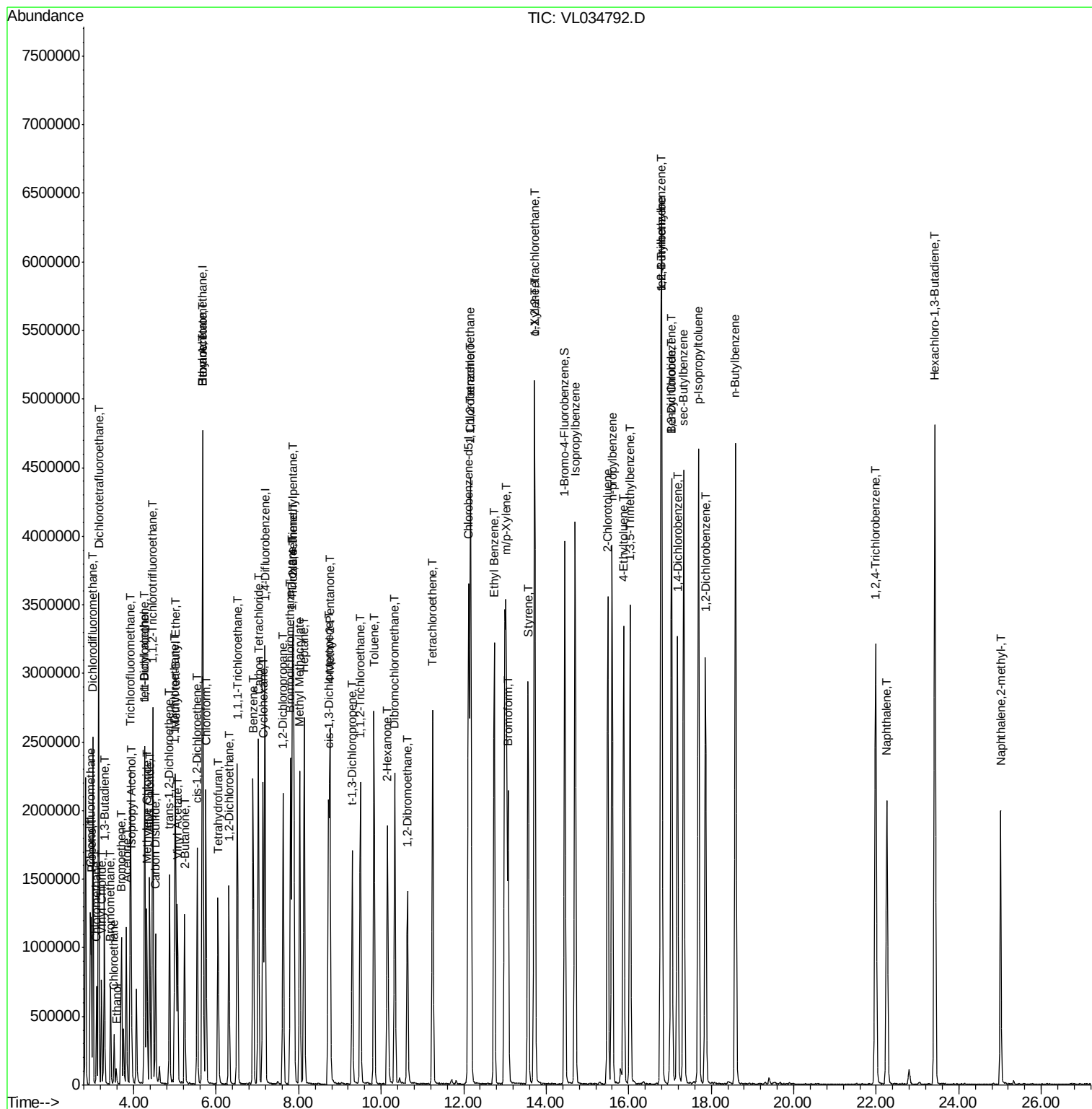
Quant Time: Mar 06 03:41:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
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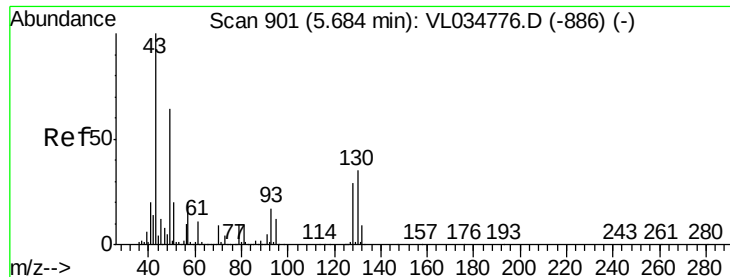
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3095221	9.812	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	946449	11.785	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	1101844	11.236	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	744553	9.680	ppbv	92
48) Dibromochloromethane	10.33	129	1303521	10.838	ppbv	100
49) Bromoform	13.08	173	1170579	11.154	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1993936	10.125	ppbv	99
51) 2-Hexanone	10.15	43	1660896	10.751	ppbv #	100
52) Tetrachloroethene	11.25	164	638440	9.573	ppbv	94
53) Toluene	9.83	91	2064637	10.806	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1151886	10.128	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	973556	10.061	ppbv #	61
57) Chlorobenzene	12.18	112	1586074	9.507	ppbv	96
58) Ethyl Benzene	12.74	91	2841150	10.557	ppbv	99
59) m/p-Xylene	13.02	91	2189072	9.396	ppbv #	22
60) o-Xylene	13.73	91	2374934	10.076	ppbv	99
61) Styrene	13.56	104	1647211	11.265	ppbv	99
62) Isopropylbenzene	14.70	105	3446246	9.934	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1716489	9.238	ppbv	99
64) n-propylbenzene	15.60	120	446851	5.137	ppbv #	1
65) tert-Butylbenzene	16.78	119	3005661	10.252	ppbv	99
66) Benzyl Chloride	17.03	91	1186162	12.514	ppbv	99
67) sec-Butylbenzene	17.33	105	4325601	10.125	ppbv	100
69) p-Isopropyltoluene	17.69	119	3577948	10.349	ppbv	99
70) n-Butylbenzene	18.59	91	3918521	10.365	ppbv	100
71) 2-Chlorotoluene	15.49	91	2703652	10.319	ppbv	100
72) 4-Ethyltoluene	15.88	105	2795645	10.652	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2642621	10.497	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2769691	10.121	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1571319	9.699	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1561486	10.073	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1537258	9.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1310886	10.136	ppbv	99
79) Naphthalene	22.26	128	2539599	12.349	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1052147	21.420	ppbv	96
81) 1,2,4-Trichlorobenzene	21.99	180	1458682	11.220	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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VL0305ABS01

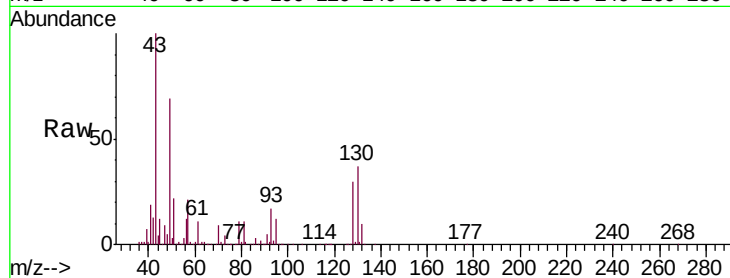
Tgt Ion: 49 Resp: 1021546

Ion Ratio Lower Upper

49 100

128 43.7 21.6 64.6

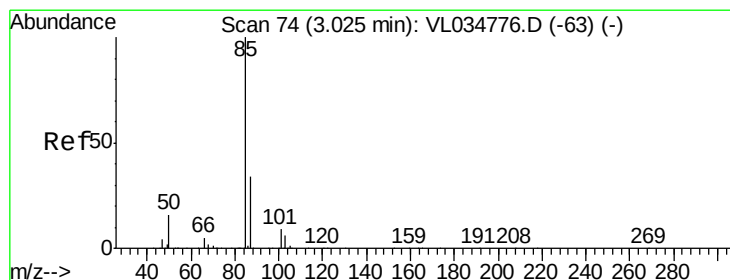
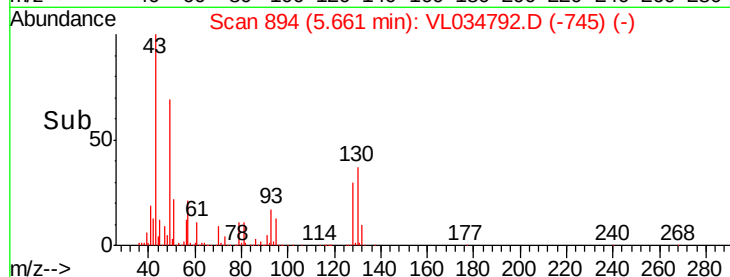
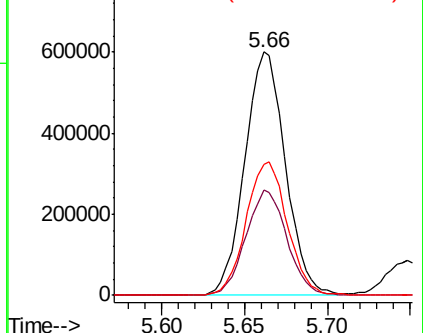
130 55.8 27.4 82.2



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: 10.286 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL034792.D

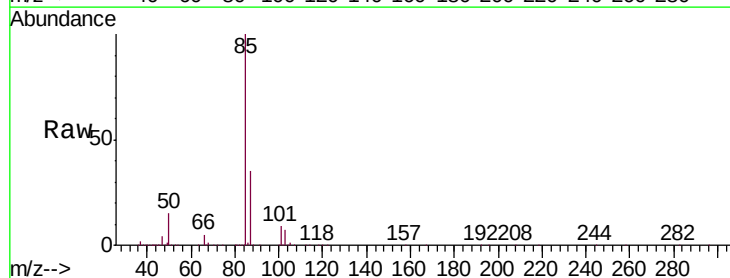
Acq: 5 Mar 2020 11:51

Tgt Ion: 85 Resp: 1714724

Ion Ratio Lower Upper

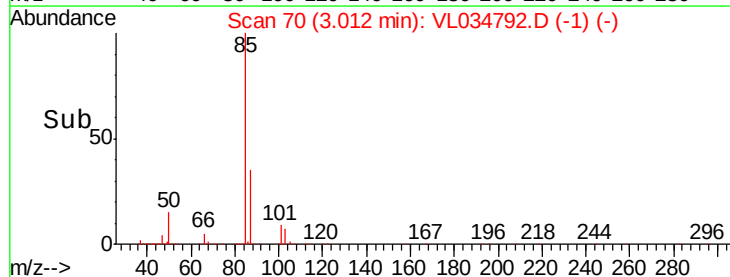
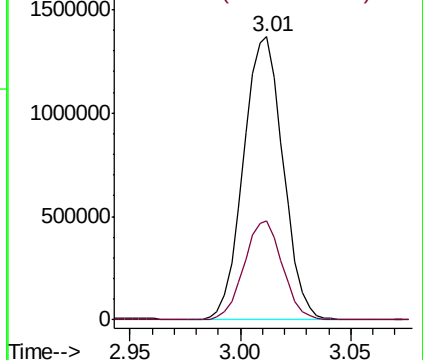
85 100

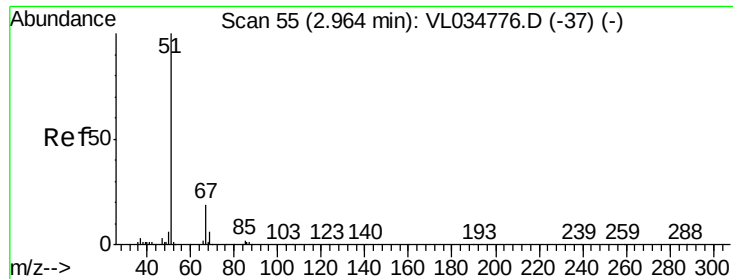
87 34.8 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.015 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

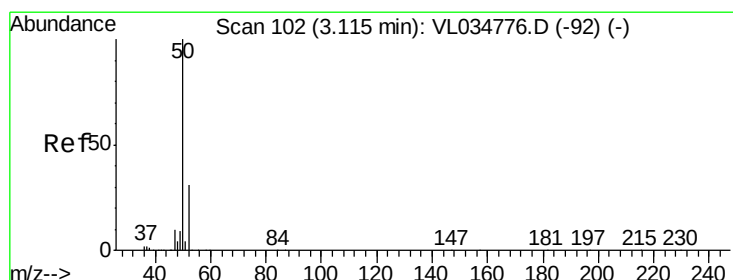
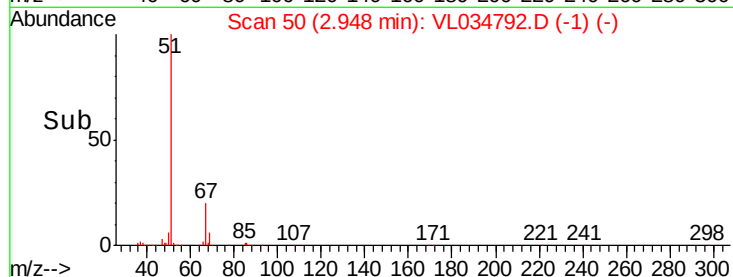
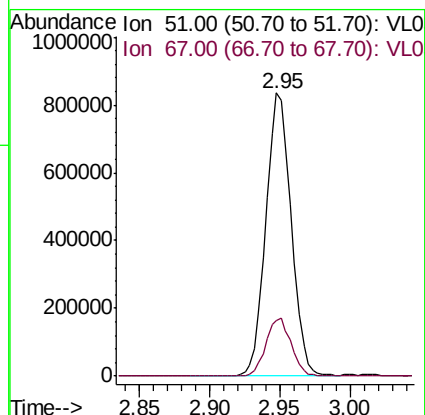
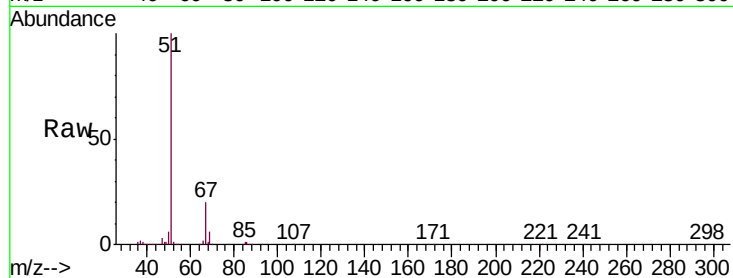
VL0305ABS01

Tgt Ion: 51 Resp: 1049212

Ion Ratio Lower Upper

51 100

67 20.6 15.3 22.9



#4

Chloromethane

Concen: 9.235 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.01 min

Lab File: VL034792.D

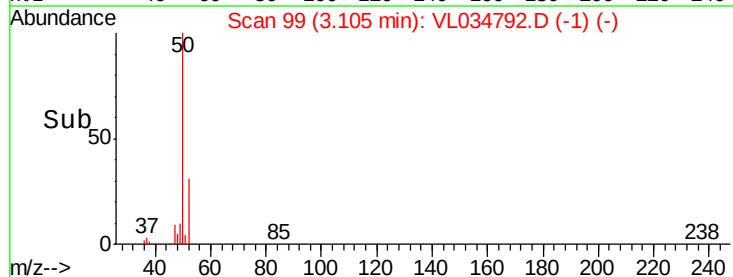
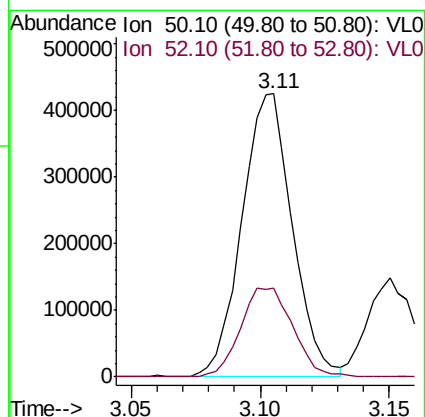
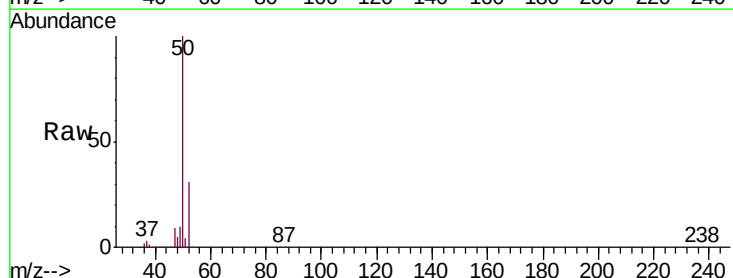
Acq: 5 Mar 2020 11:51

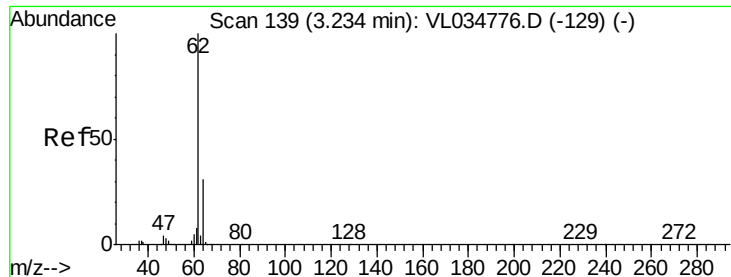
Tgt Ion: 50 Resp: 578911

Ion Ratio Lower Upper

50 100

52 31.3 25.0 37.4





#5

Vinyl Chloride

Concen: 8.653 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.01 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

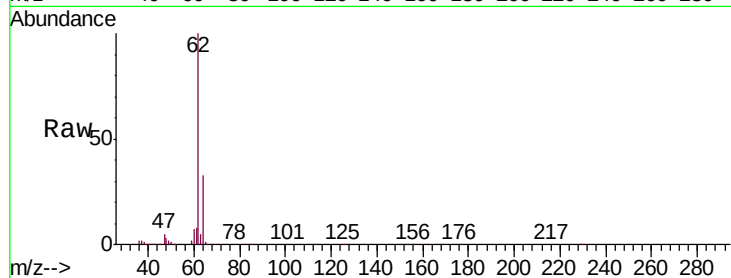
VL0305ABS01

Tgt Ion: 62 Resp: 573032

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

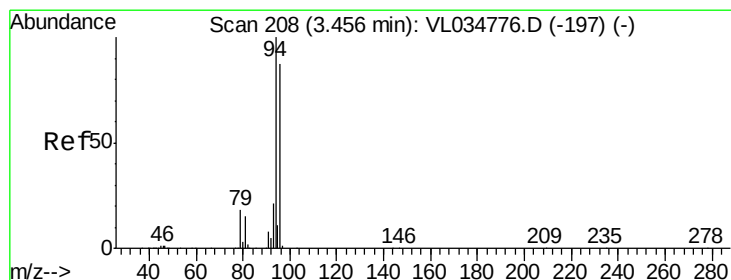
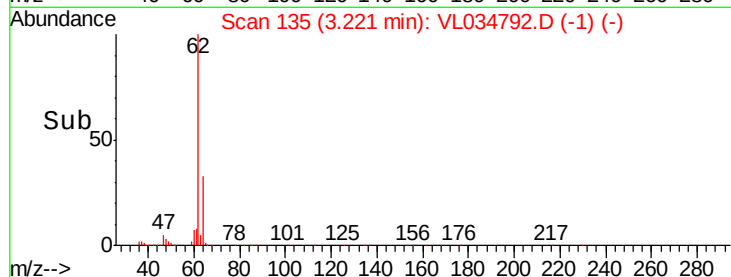
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.595 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL034792.D

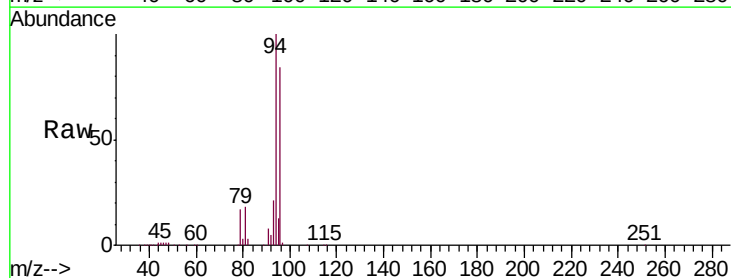
Acq: 5 Mar 2020 11:51

Tgt Ion: 94 Resp: 346814

Ion Ratio Lower Upper

94 100

96 83.6 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

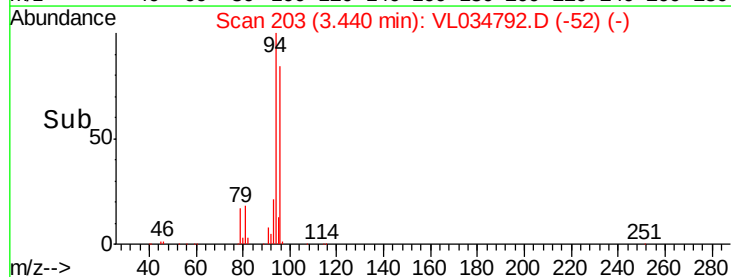
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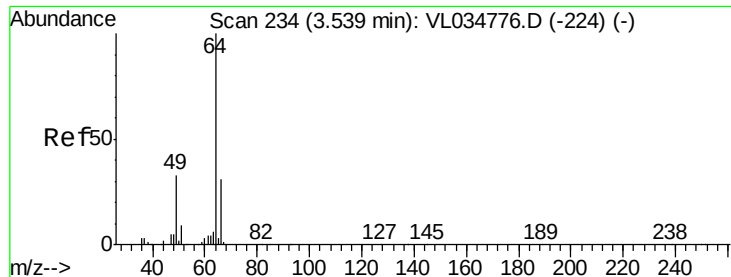
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.245 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

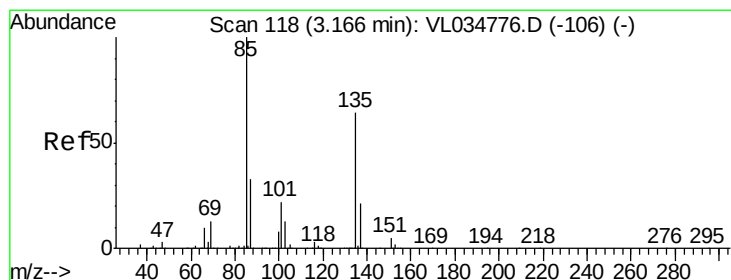
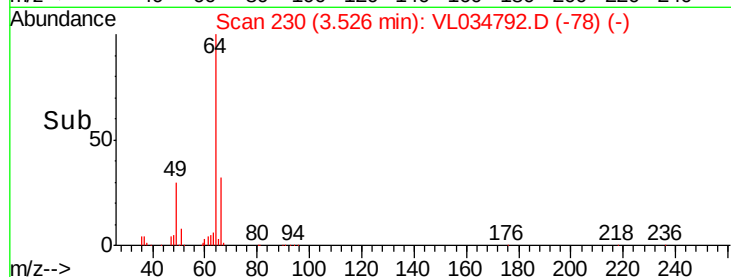
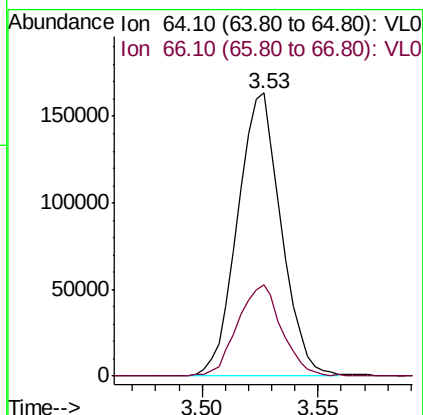
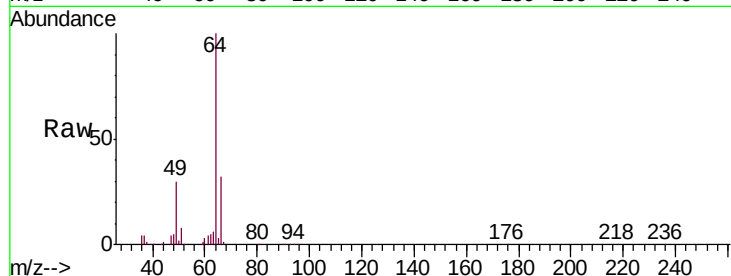
VL0305ABS01

Tgt Ion: 64 Resp: 211698

Ion Ratio Lower Upper

64 100

66 32.3 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.271 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.02 min

Lab File: VL034792.D

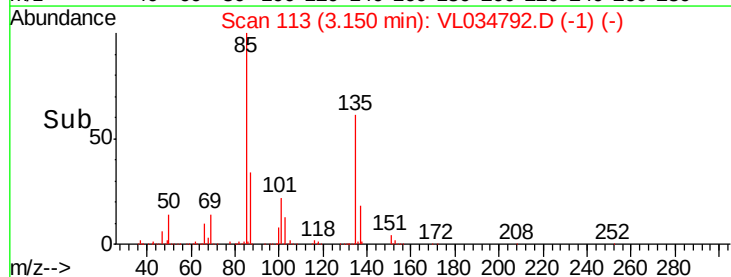
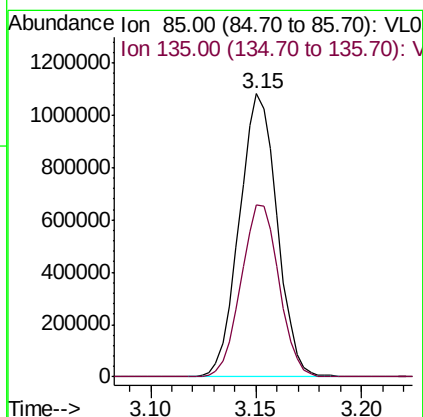
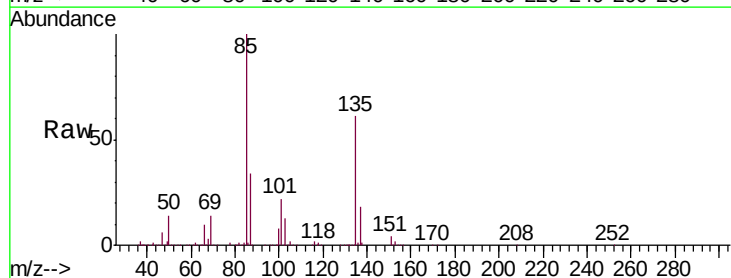
Acq: 5 Mar 2020 11:51

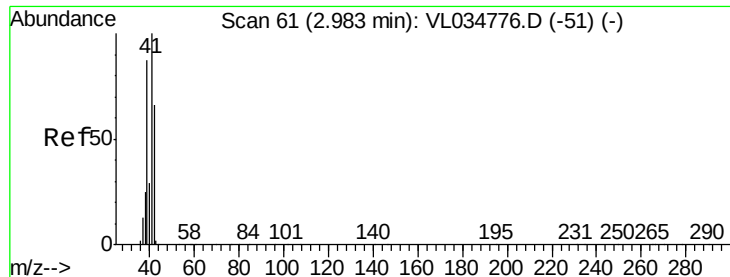
Tgt Ion: 85 Resp: 1342671

Ion Ratio Lower Upper

85 100

135 61.5 49.4 74.2





#9

Propene

Concen: 9.053 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

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ClientSampleId :

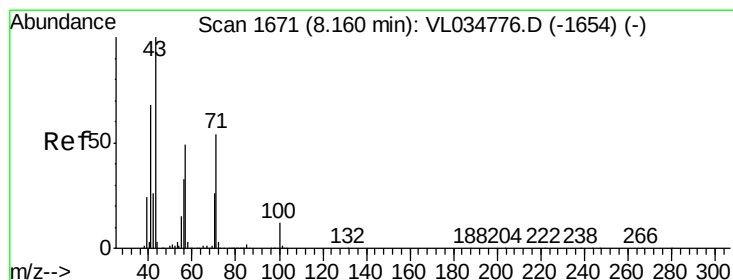
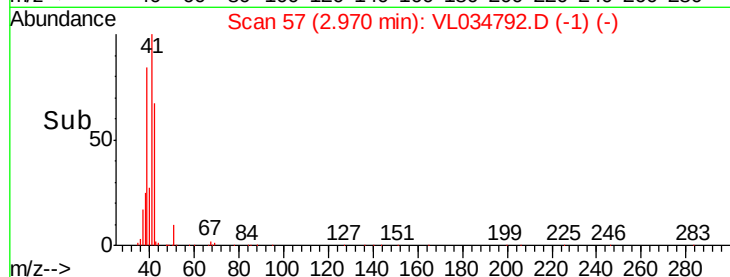
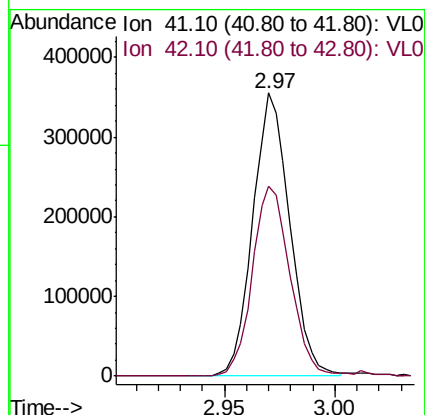
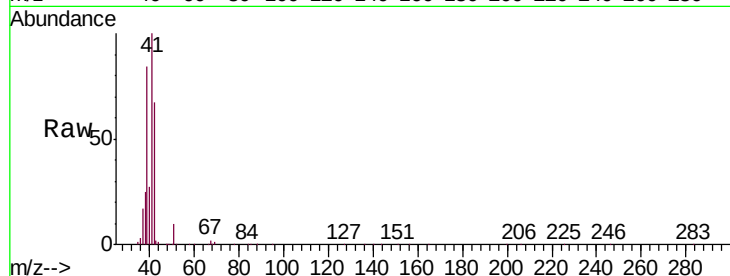
VL0305ABS01

Tgt Ion: 41 Resp: 414710

Ion Ratio Lower Upper

41 100

42 69.4 55.6 83.4



#10

Heptane

Concen: 10.075 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.03 min

Lab File: VL034792.D

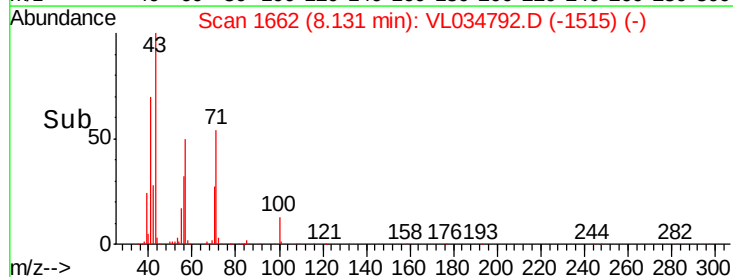
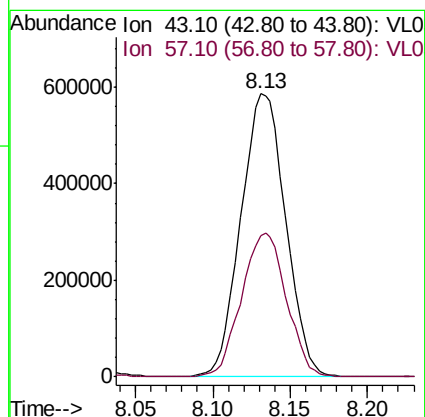
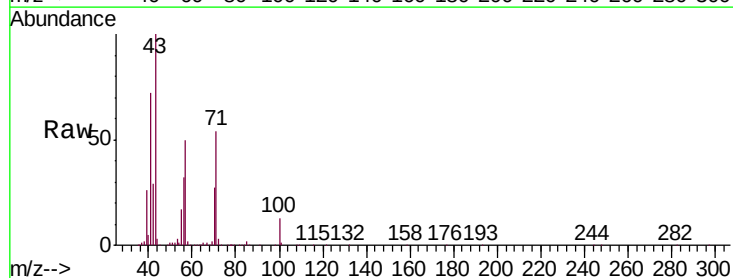
Acq: 5 Mar 2020 11:51

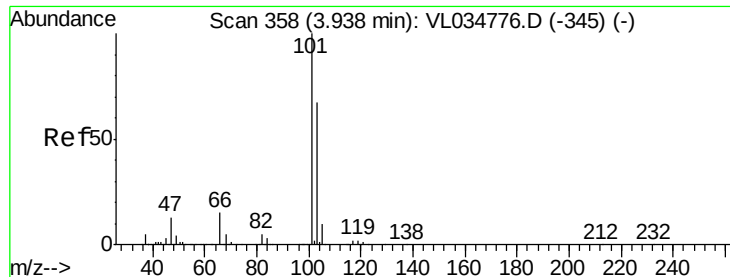
Tgt Ion: 43 Resp: 1172917

Ion Ratio Lower Upper

43 100

57 51.3 40.5 60.7

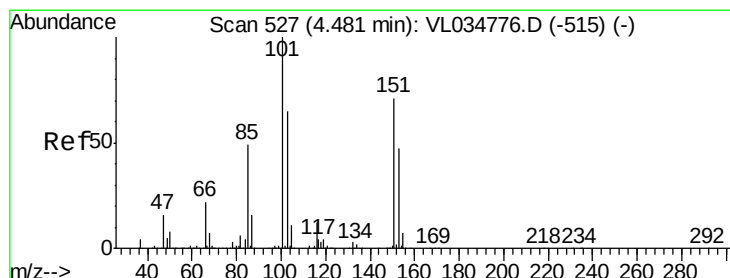
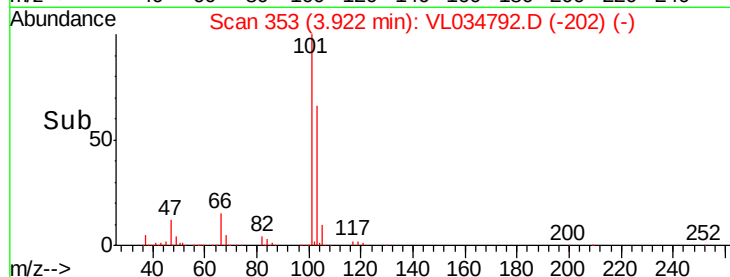
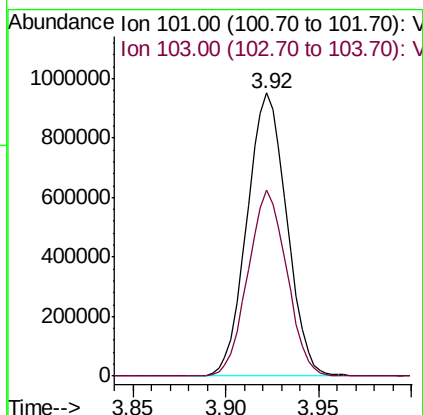
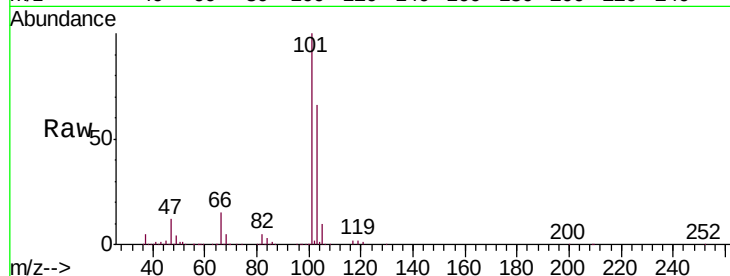




#11
 Trichlorofluoromethane
 Concen: 9.462 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

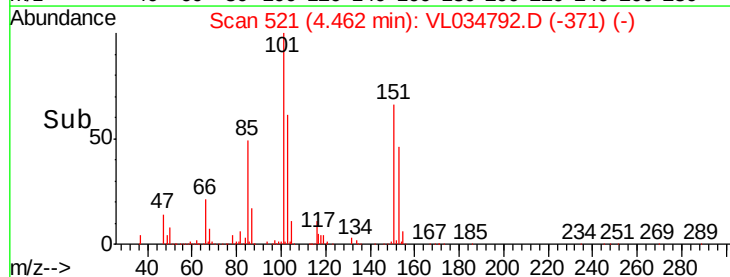
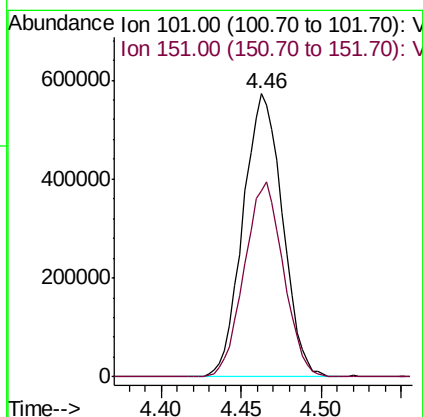
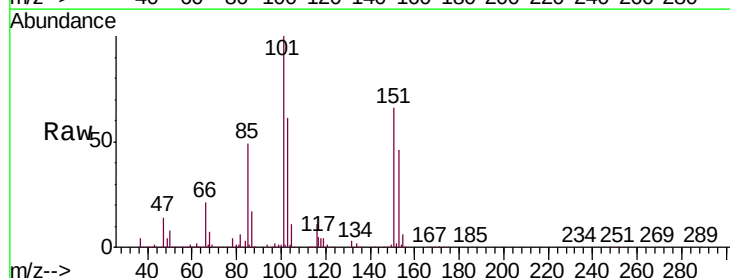
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

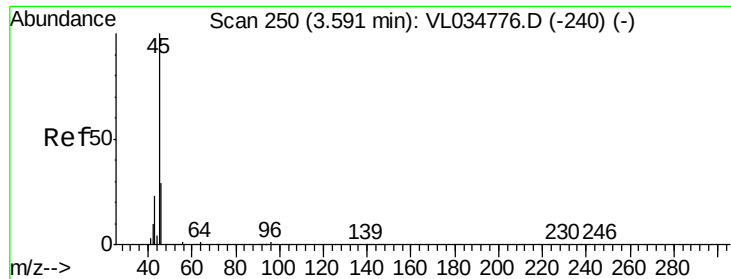
Tgt Ion:101 Resp: 1411463
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.387 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:101 Resp: 966136
 Ion Ratio Lower Upper
 101 100
 151 68.3 56.6 85.0

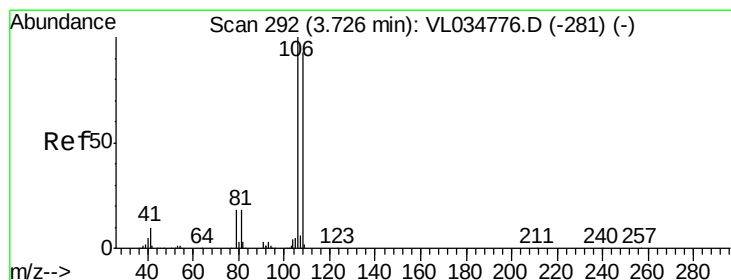
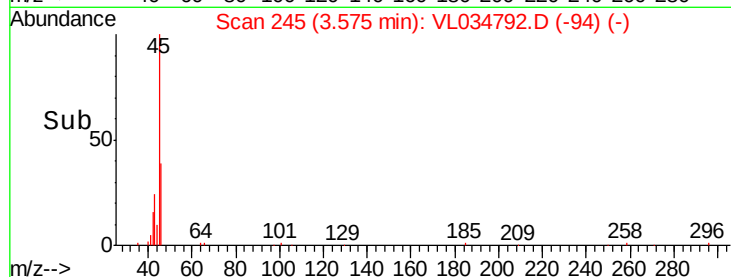
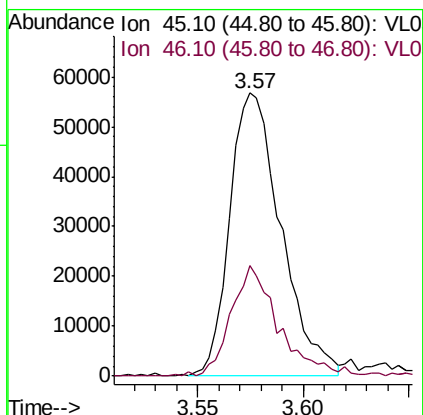
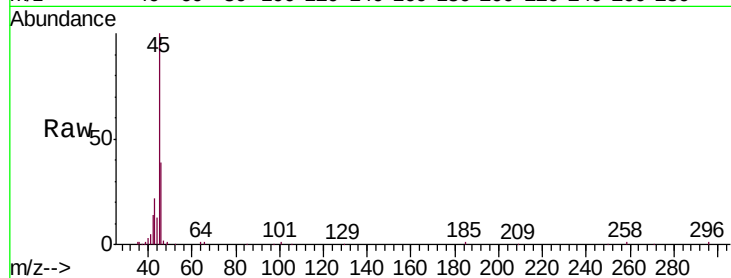




#13
Ethanol
Concen: 6.099 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

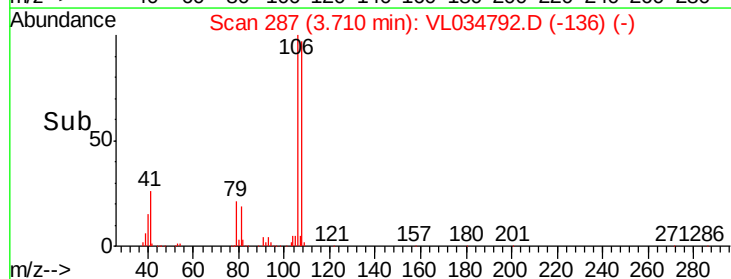
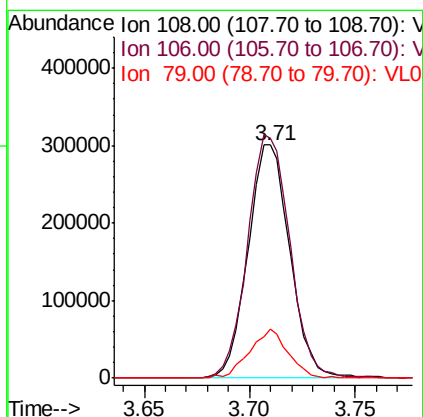
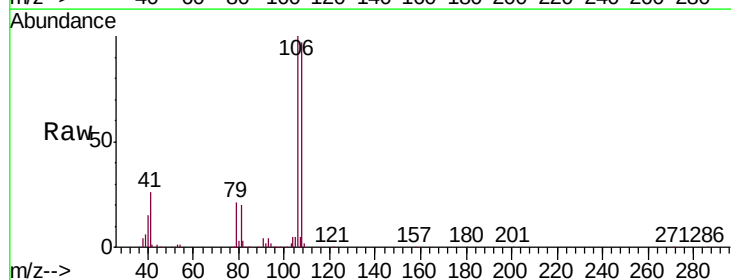
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

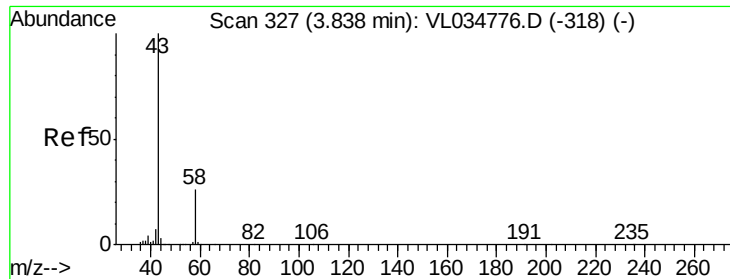
Tgt Ion: 45 Resp: 95735
Ion Ratio Lower Upper
45 100
46 36.8 14.7 58.9



#14
Bromoethene
Concen: 9.834 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 108 Resp: 415345
Ion Ratio Lower Upper
108 100
106 106.2 83.5 125.3
79 20.0 15.6 23.4

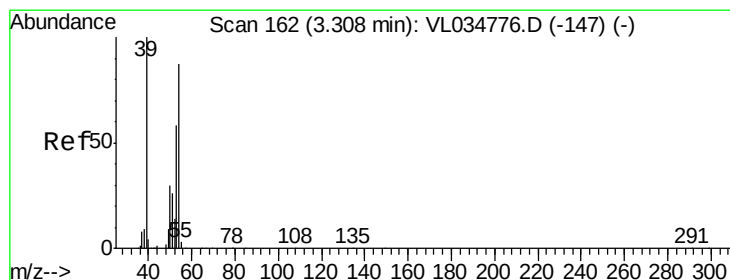
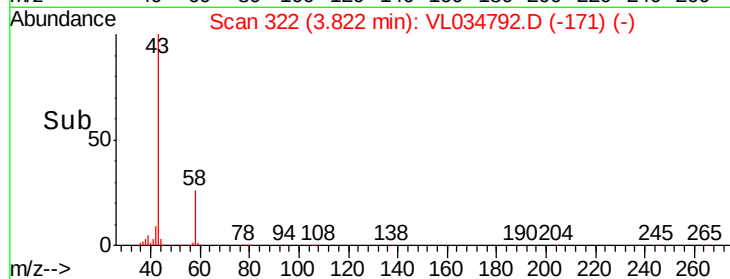
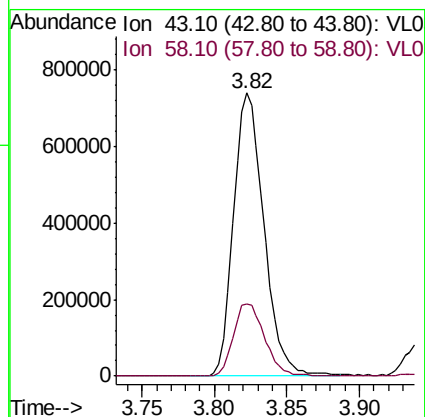
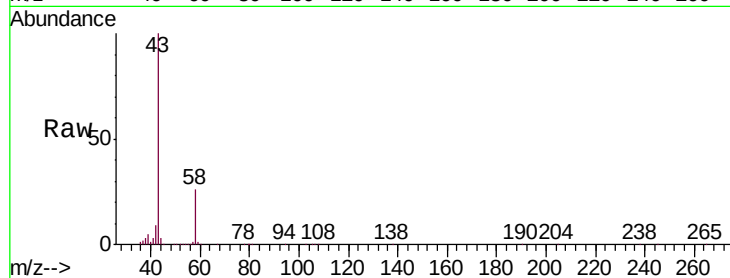




#15
Acetone
Concen: 8.794 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

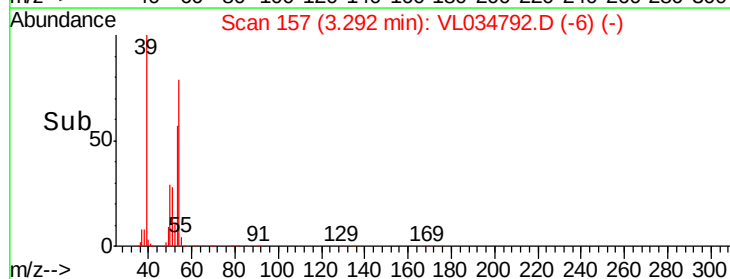
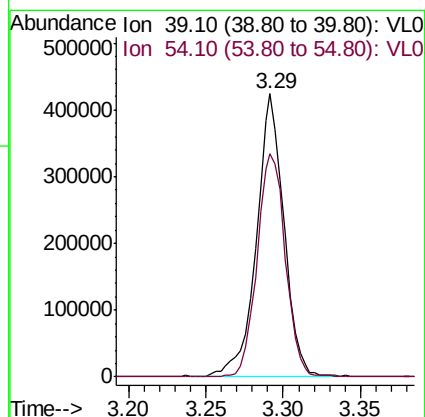
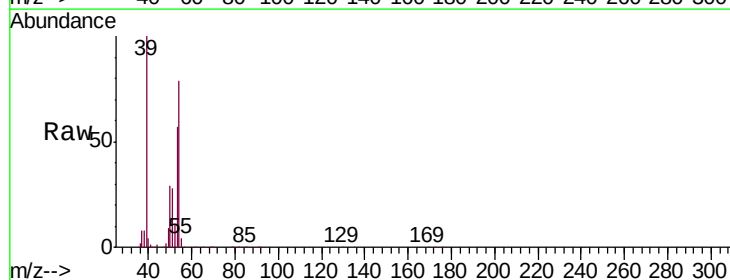
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

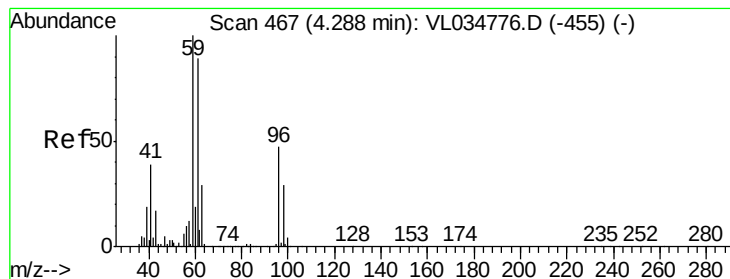
Tgt Ion: 43 Resp: 1075730
Ion Ratio Lower Upper
43 100
58 26.5 21.0 31.6



#16
1,3-Butadiene
Concen: 9.519 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 39 Resp: 526838
Ion Ratio Lower Upper
39 100
54 81.4 64.2 96.2





#17

tert-Butyl alcohol

Concen: 7.343 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

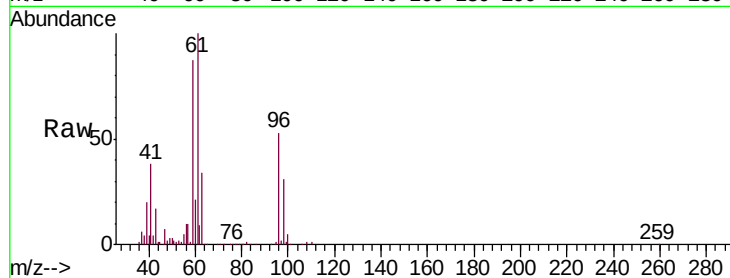
VL0305ABS01

Tgt Ion: 59 Resp: 708313

Ion Ratio Lower Upper

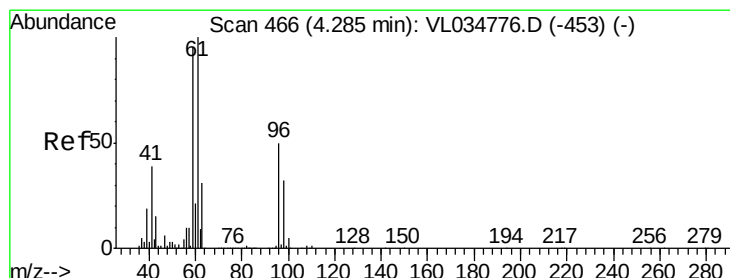
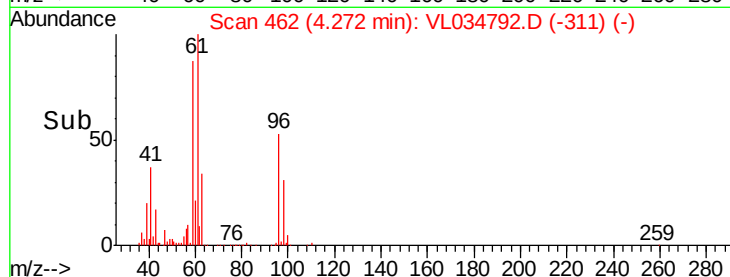
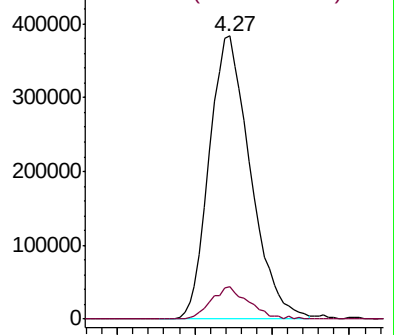
59 100

57 10.6 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.940 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

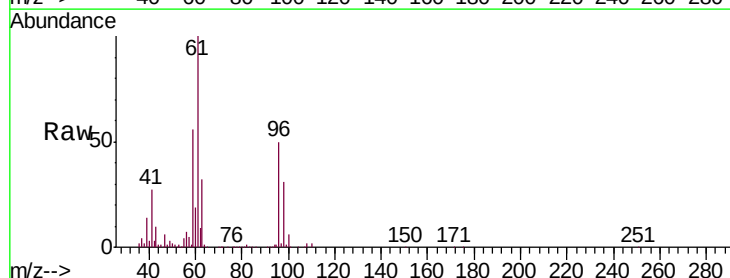
Tgt Ion: 96 Resp: 451198

Ion Ratio Lower Upper

96 100

61 201.4 159.5 239.3

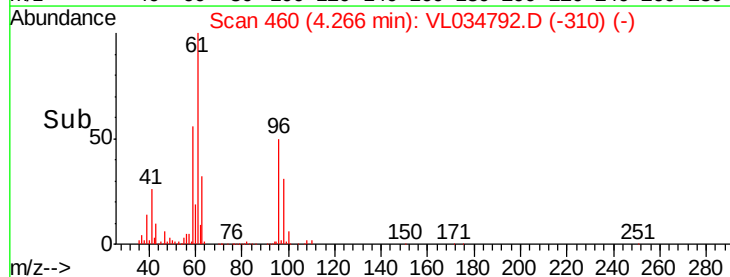
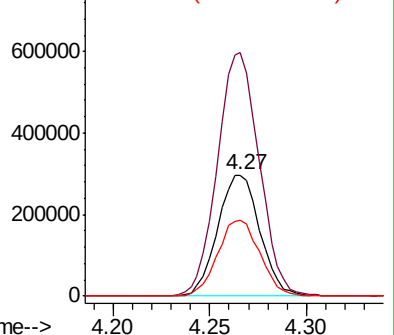
98 63.3 51.1 76.7

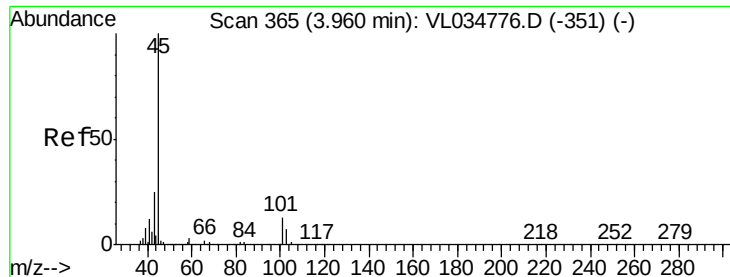


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.503 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

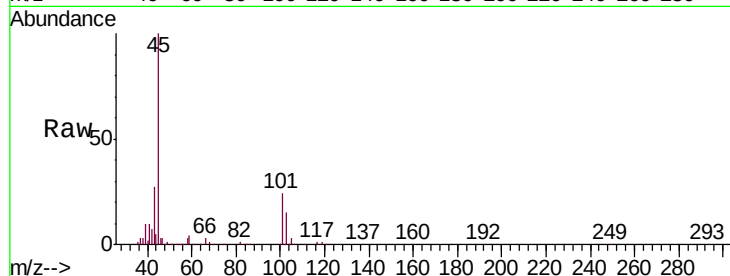
VL0305ABS01

Tgt Ion: 45 Resp: 549968

Ion Ratio Lower Upper

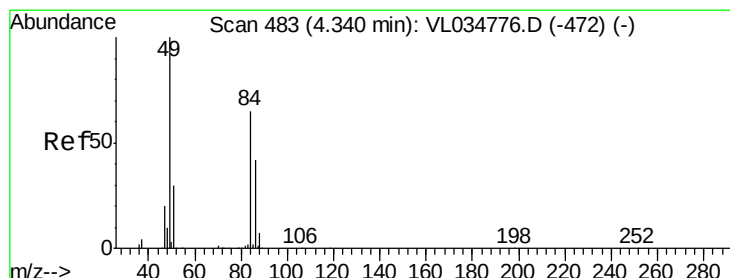
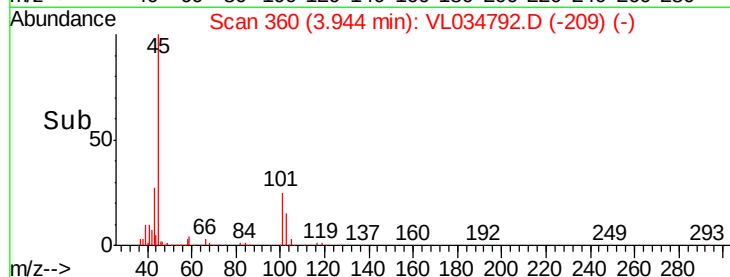
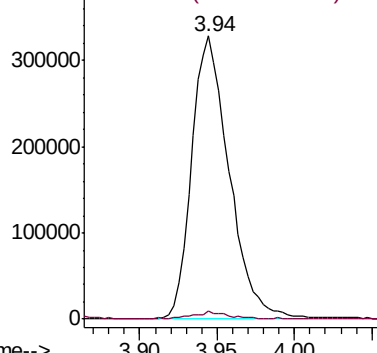
45 100

58 3.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.952 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 84 Resp: 390863

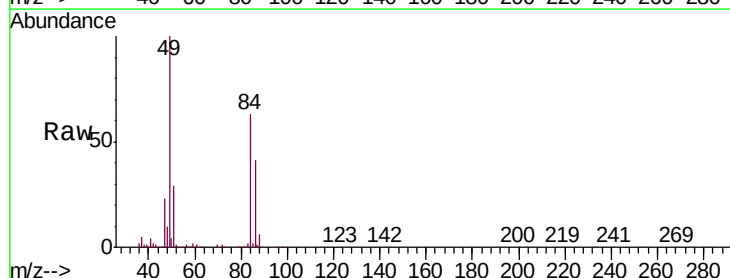
Ion Ratio Lower Upper

84 100

49 158.2 123.2 184.8

51 45.7 37.4 56.2

86 64.7 51.6 77.4

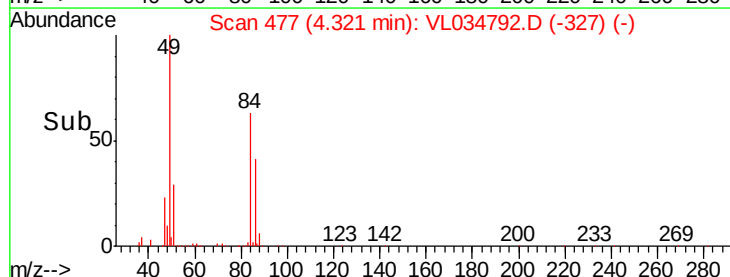
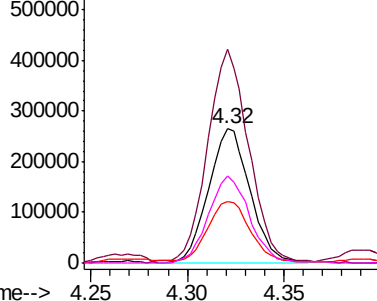


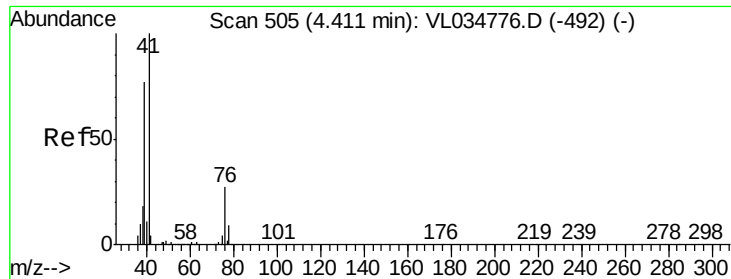
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

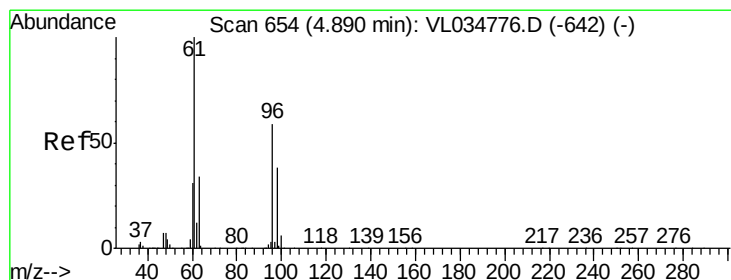
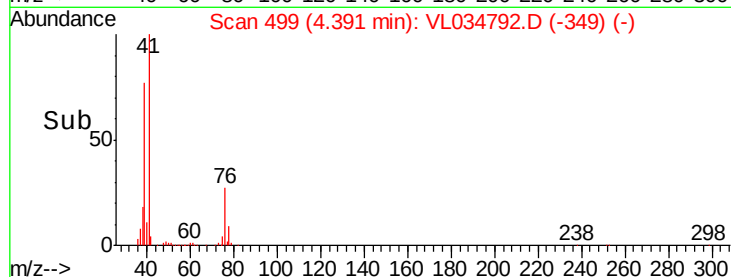
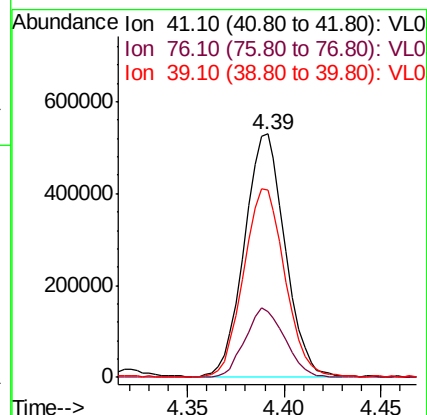
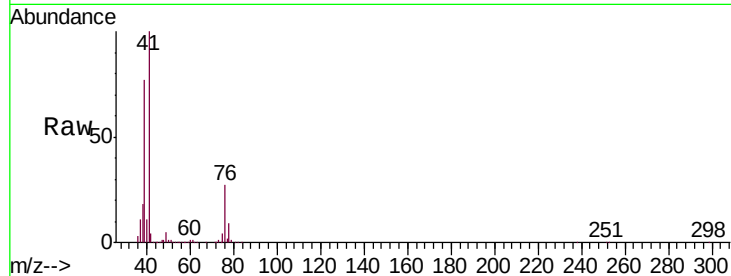




#21
 Allyl Chloride
 Concen: 9.953 ppbv
 RT: 4.39 min Scan# 499
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

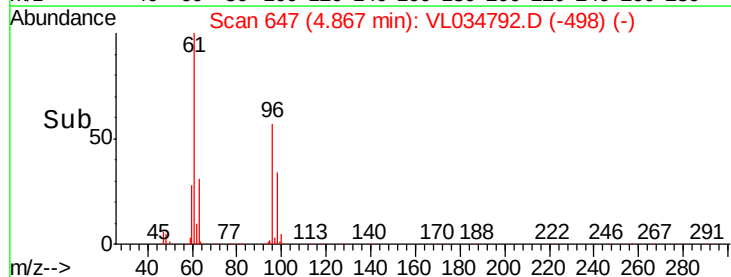
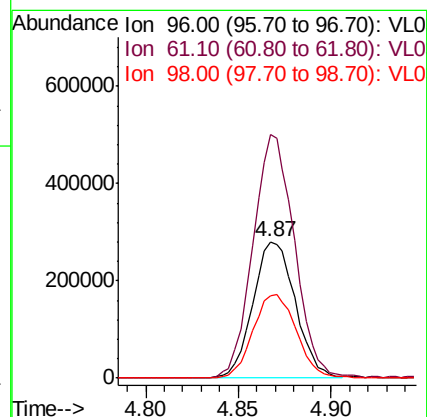
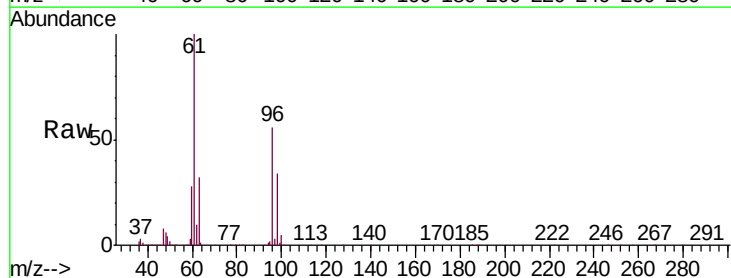
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

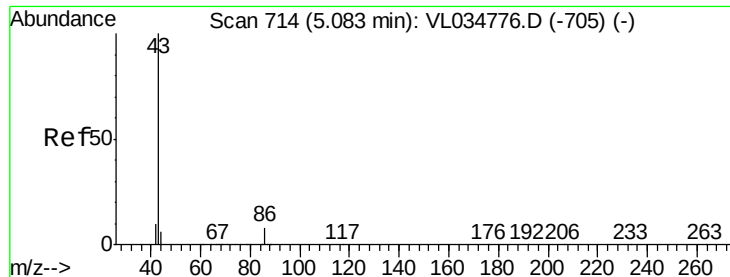
Tgt Ion: 41 Resp: 771046
 Ion Ratio Lower Upper
 41 100
 76 28.0 22.5 33.7
 39 79.7 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.026 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 96 Resp: 444294
 Ion Ratio Lower Upper
 96 100
 61 178.7 135.2 202.8
 98 60.5 50.8 76.2





#23

Vinyl Acetate

Concen: 9.782 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tgt Ion: 43 Resp: 1604622

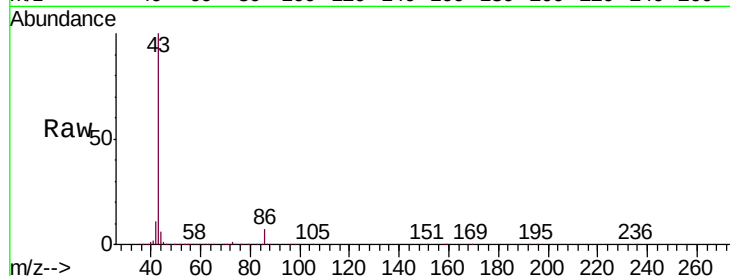
Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9

42 11.0 8.2 12.2

44 5.9 4.5 6.7

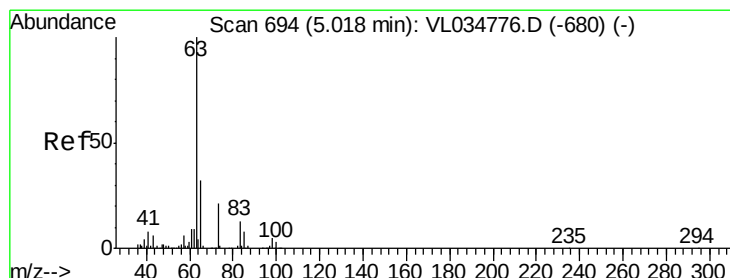
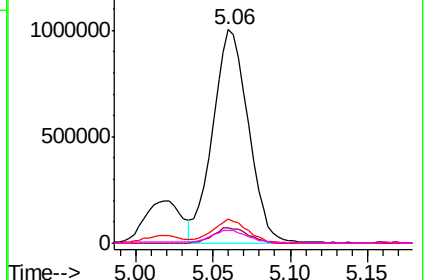
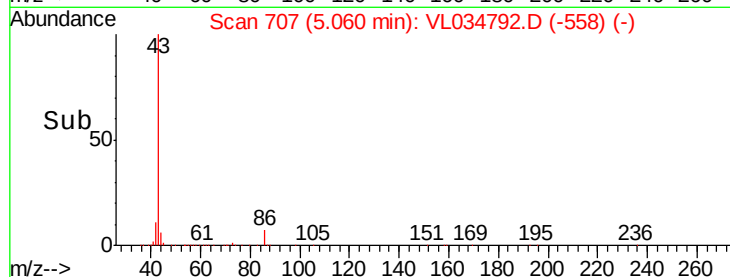


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.377 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

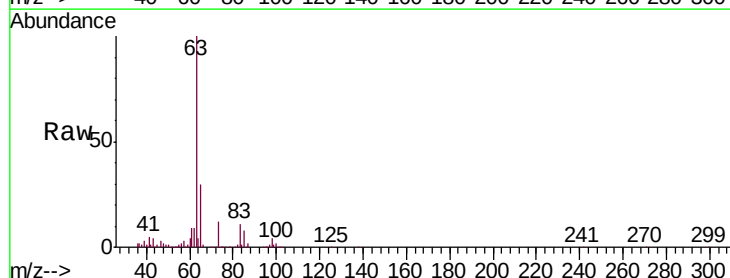
Tgt Ion: 63 Resp: 1193821

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

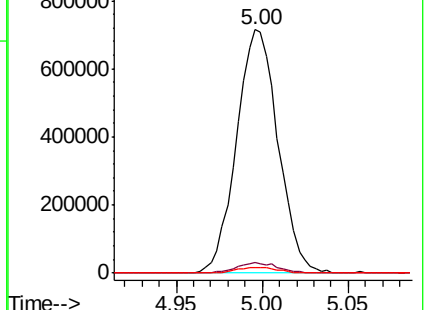
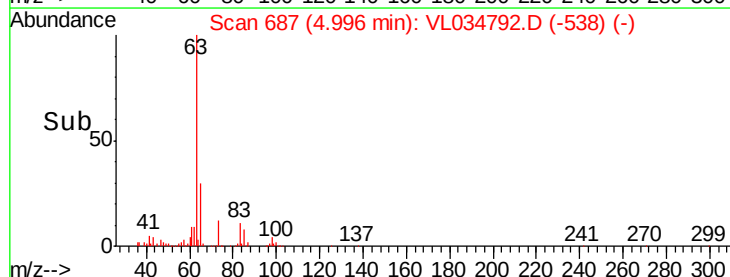
100 2.3 1.5 4.4

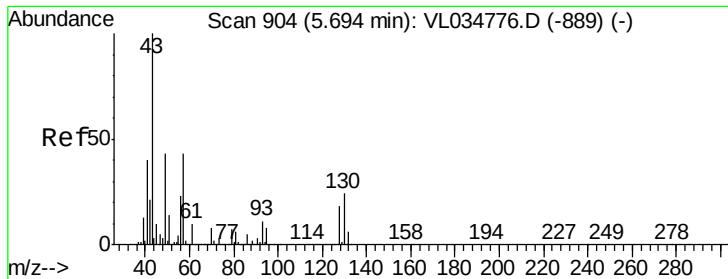


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.489 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tgt Ion: 43 Resp: 2005967

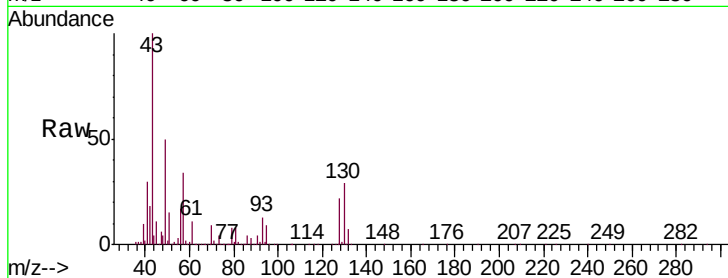
Ion Ratio Lower Upper

43 100

45 10.0 8.2 12.4

61 9.7 7.5 11.3

70 7.4 6.0 9.0

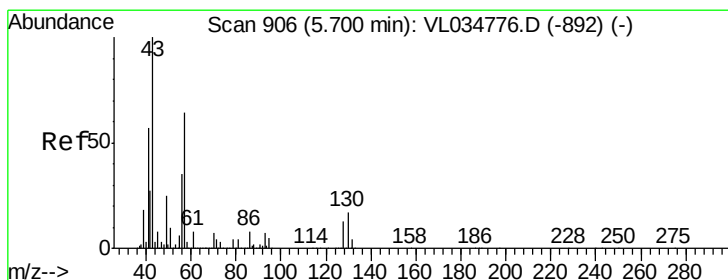
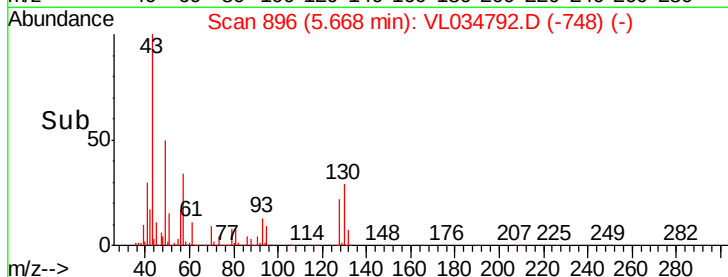
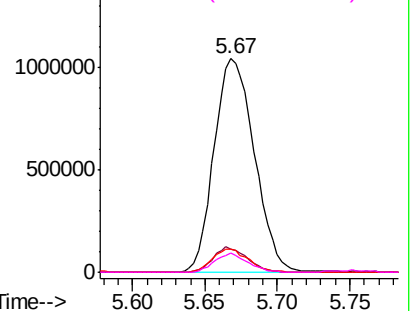


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.825 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 57 Resp: 907347

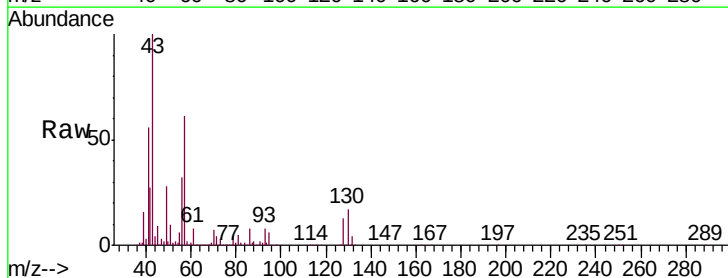
Ion Ratio Lower Upper

57 100

41 91.4 72.0 108.0

43 222.4 179.1 268.7

56 53.1 42.6 63.8

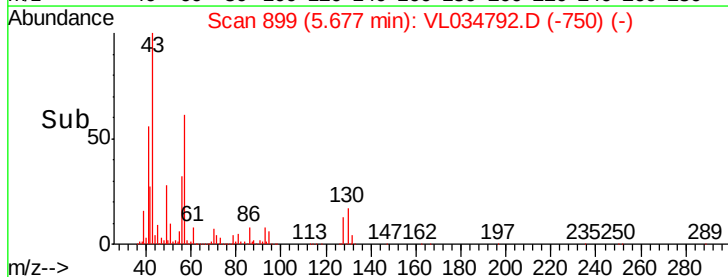
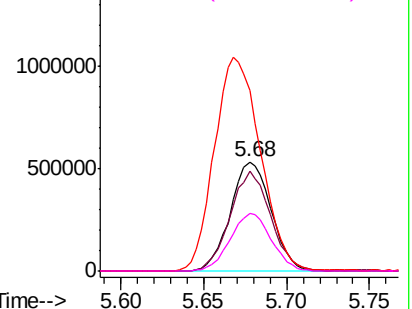


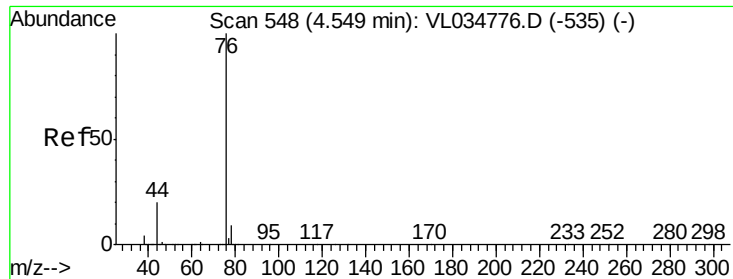
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.753 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

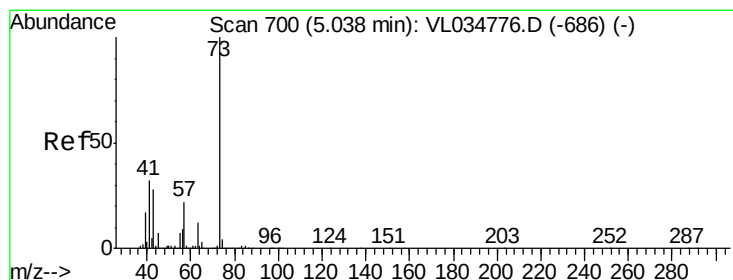
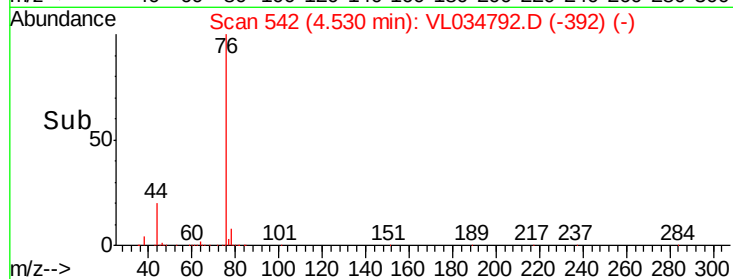
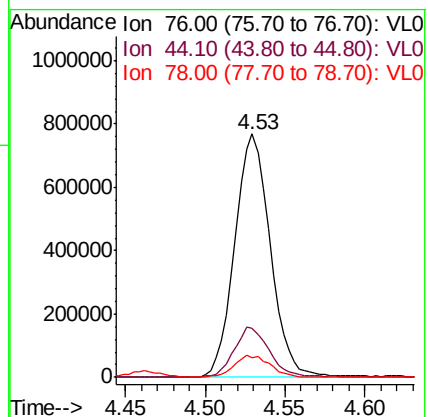
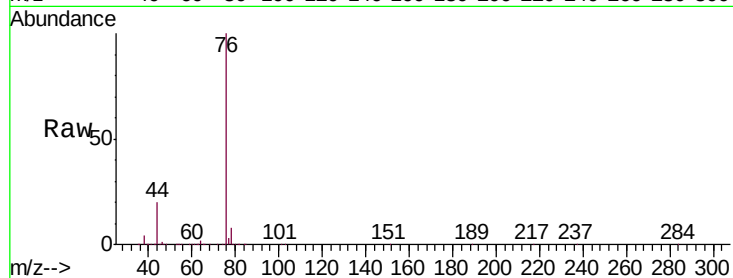
Tgt Ion: 76 Resp: 1160074

Ion Ratio Lower Upper

76 100

44 20.3 16.1 24.1

78 9.2 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 9.317 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.02 min

Lab File: VL034792.D

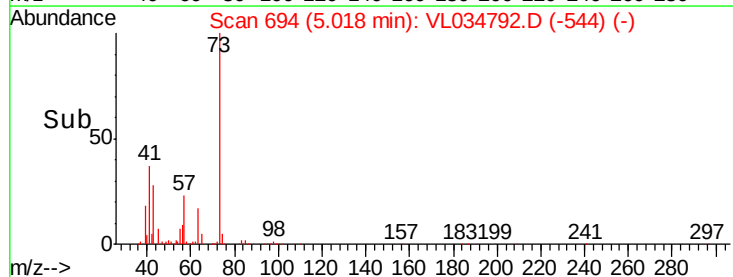
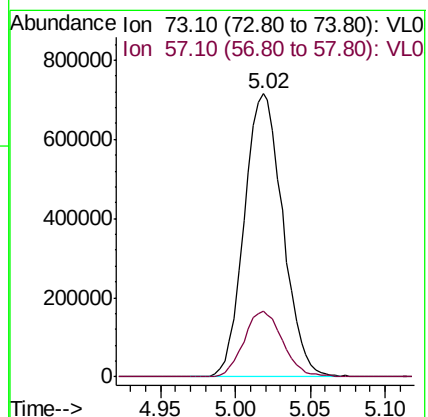
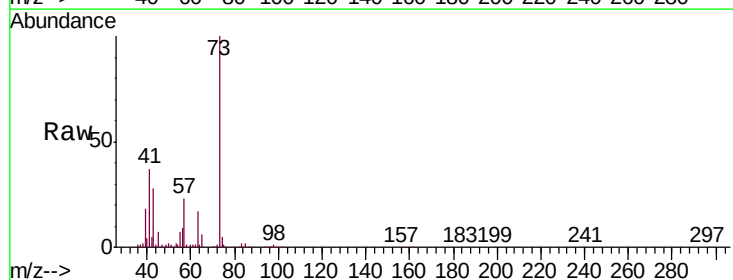
Acq: 5 Mar 2020 11:51

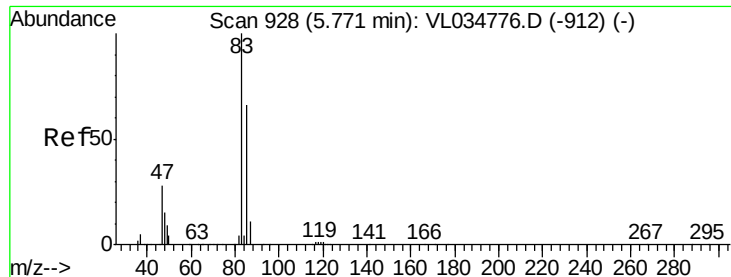
Tgt Ion: 73 Resp: 1280601

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7

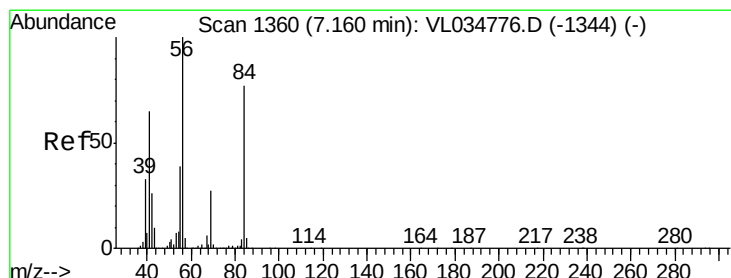
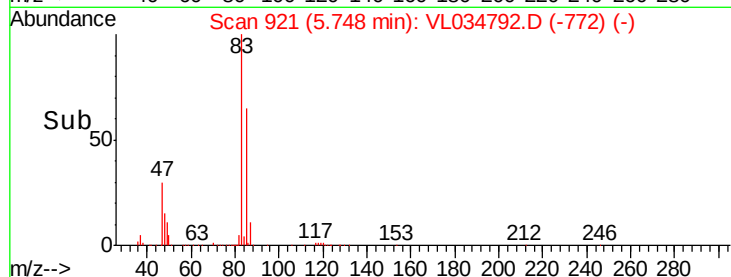
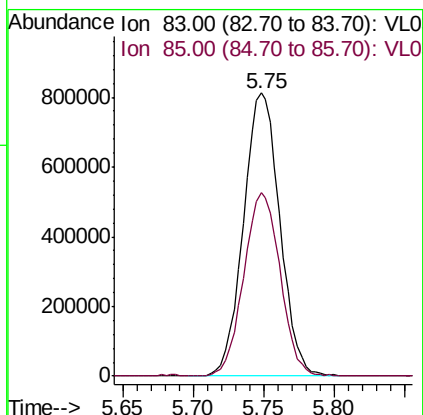
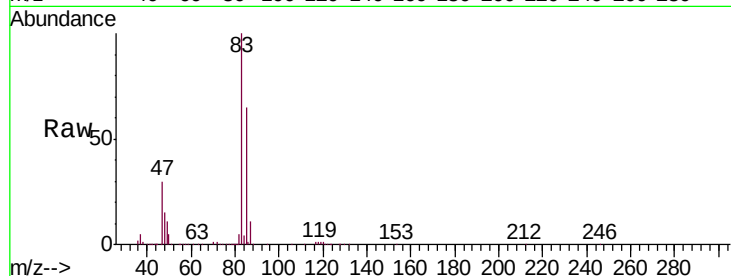




#29
Chloroform
Concen: 9.441 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

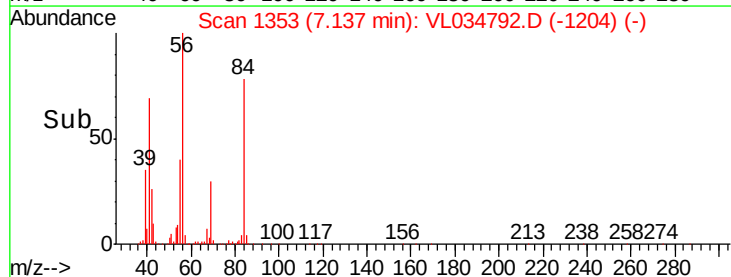
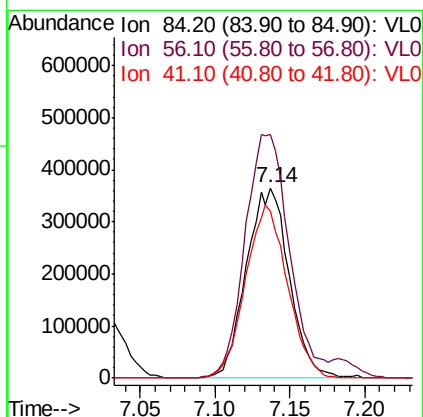
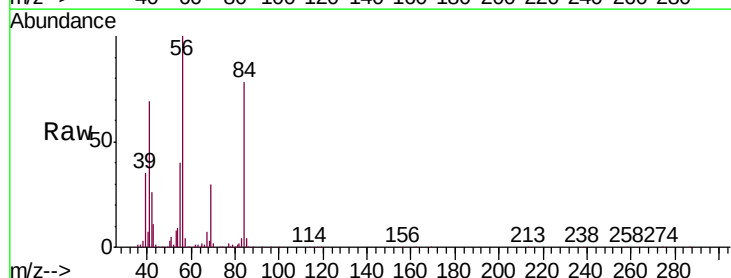
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

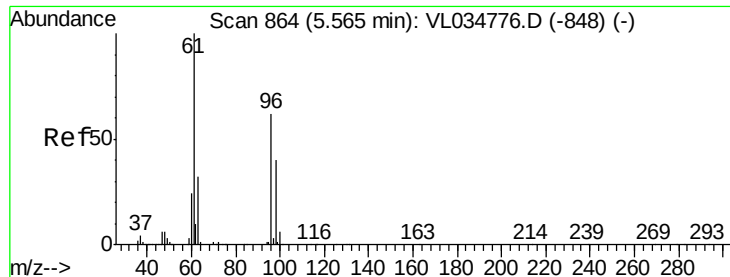
Tgt Ion: 83 Resp: 1467632
Ion Ratio Lower Upper
83 100
85 64.9 53.0 79.4



#30
Cyclohexane
Concen: 10.284 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 84 Resp: 726585
Ion Ratio Lower Upper
84 100
56 139.5 113.2 169.8
41 89.4 70.2 105.4



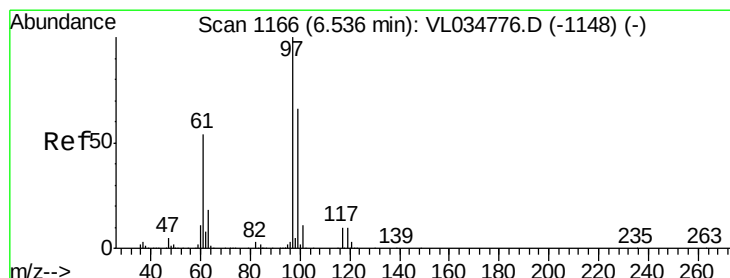
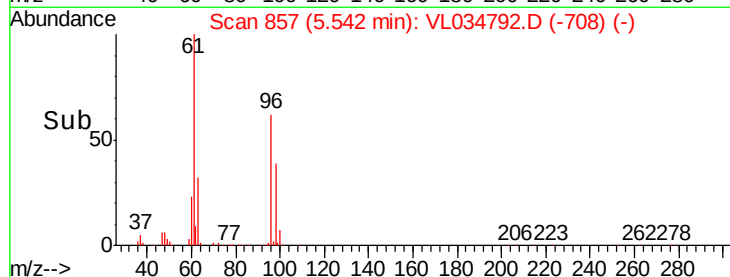
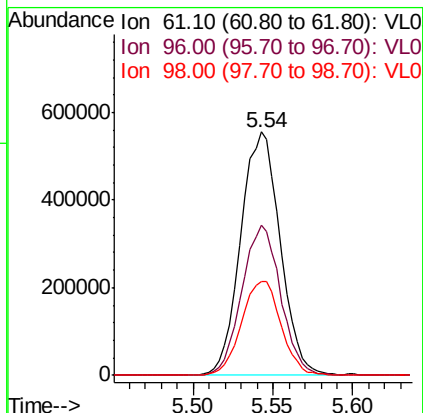
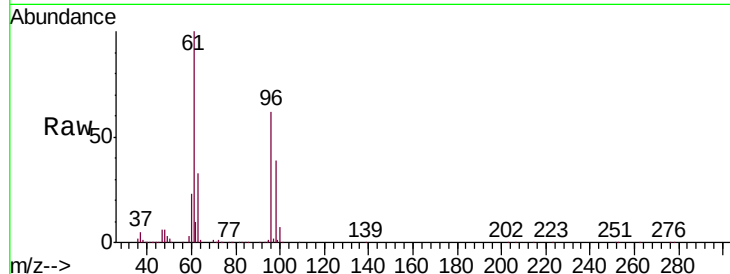


#31

cis-1,2-Dichloroethene
 Concen: 9.852 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

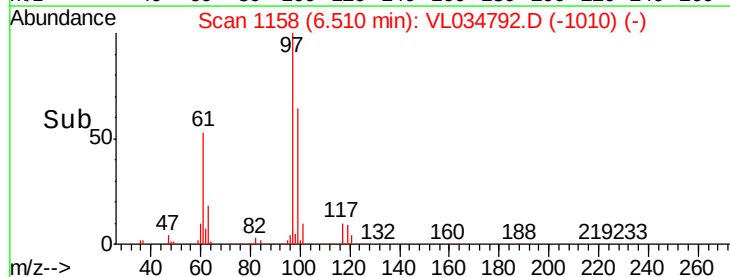
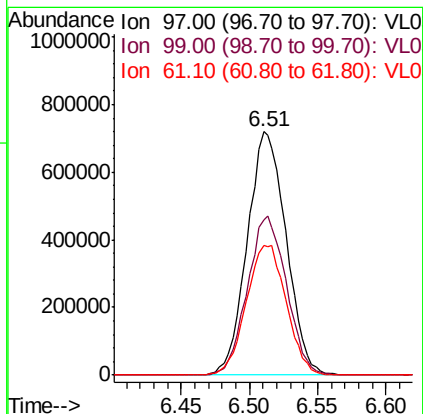
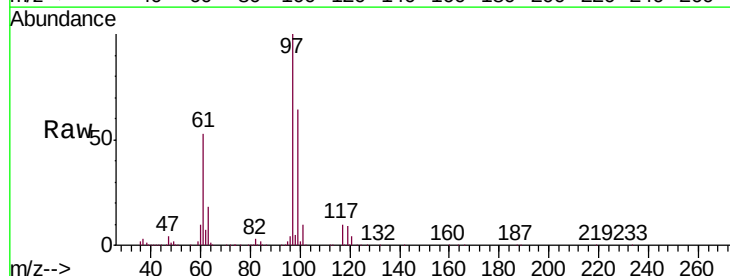
Tgt Ion: 61 Resp: 933226
 Ion Ratio Lower Upper
 61 100
 96 61.8 49.7 74.5
 98 38.8 31.9 47.9

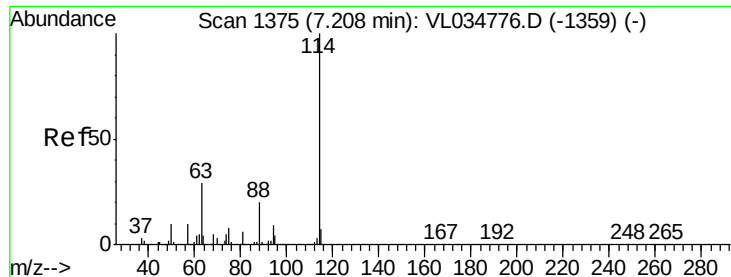


#32

1,1,1-Trichloroethane
 Concen: 9.265 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 97 Resp: 1423274
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.7 77.5
 61 54.9 43.4 65.0

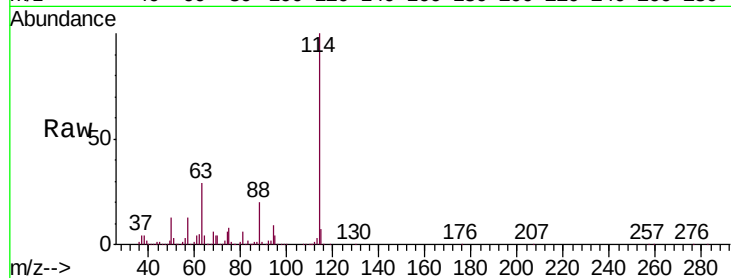




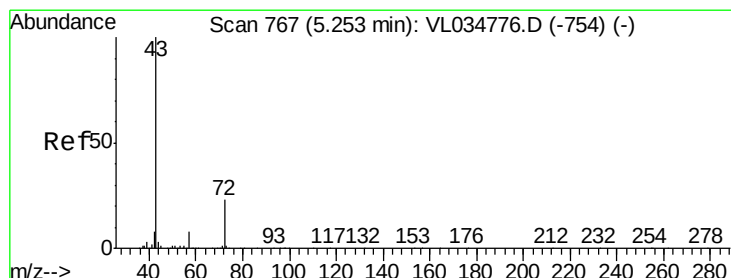
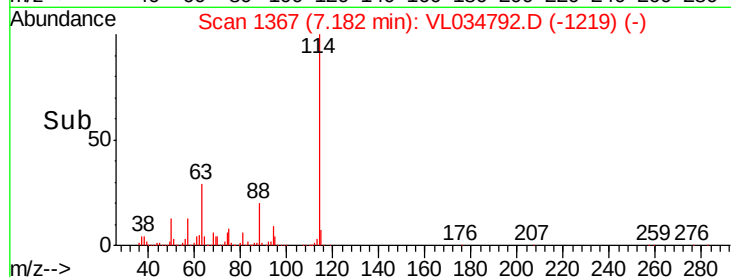
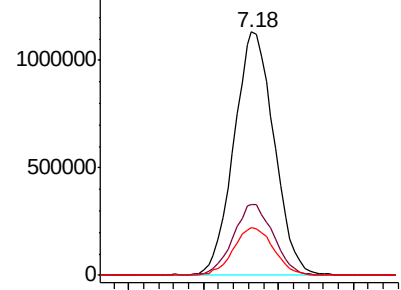
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tgt Ion: 114 Resp: 2112584
 Ion Ratio Lower Upper
 114 100
 63 29.7 23.6 35.4
 88 19.7 15.8 23.8

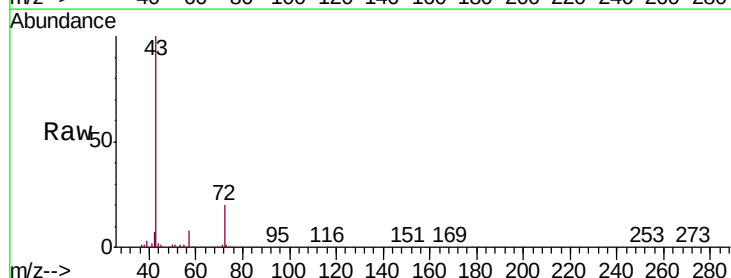


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

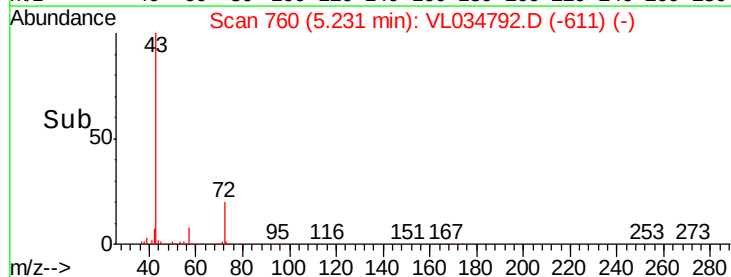
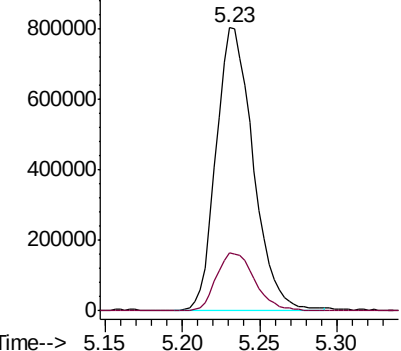


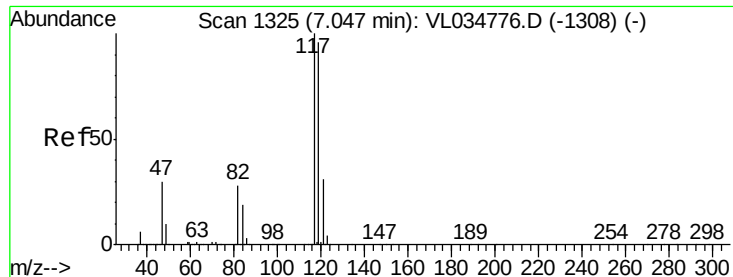
#34
 2-Butanone
 Concen: 9.682 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 43 Resp: 1330627
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.5 26.3



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





#35

Carbon Tetrachloride

Concen: 9.424 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

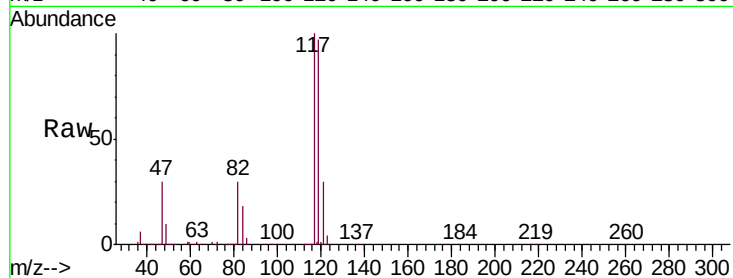
Tgt Ion:117 Resp: 1502227

Ion Ratio Lower Upper

117 100

119 96.4 76.8 115.2

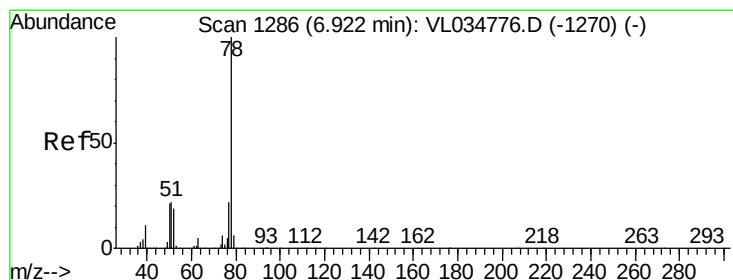
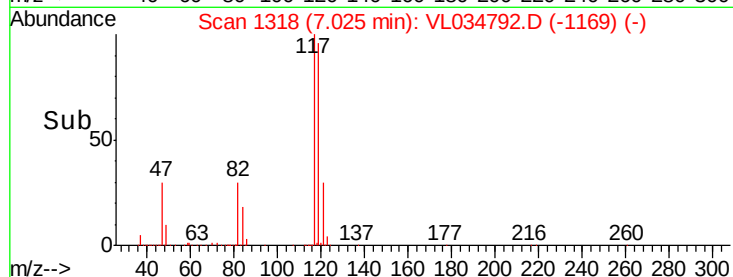
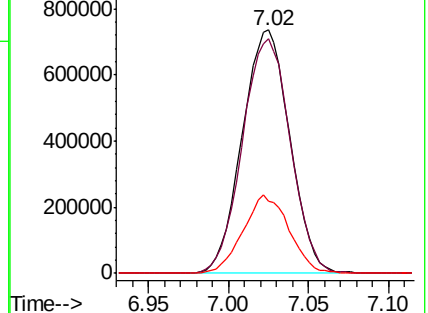
121 29.7 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.675 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

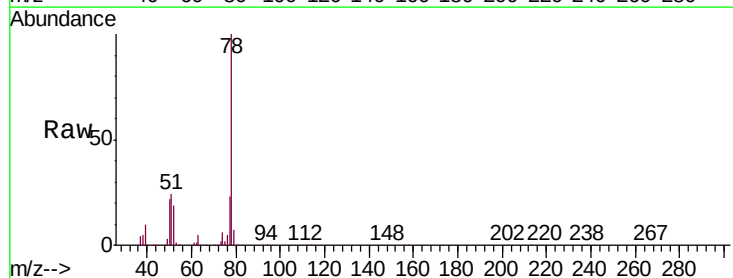
Tgt Ion: 78 Resp: 1746604

Ion Ratio Lower Upper

78 100

77 22.9 18.0 27.0

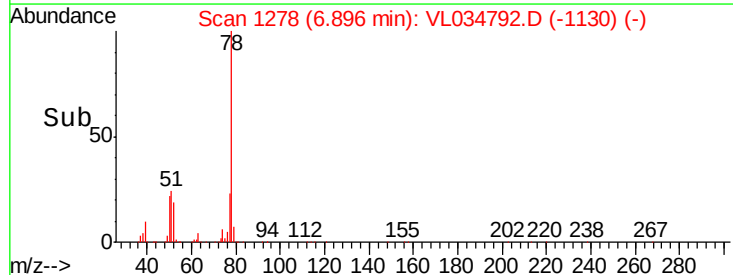
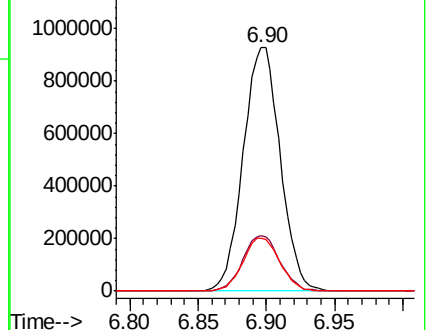
50 21.6 16.9 25.3

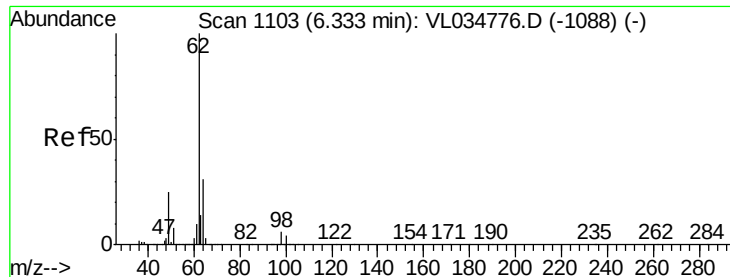


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

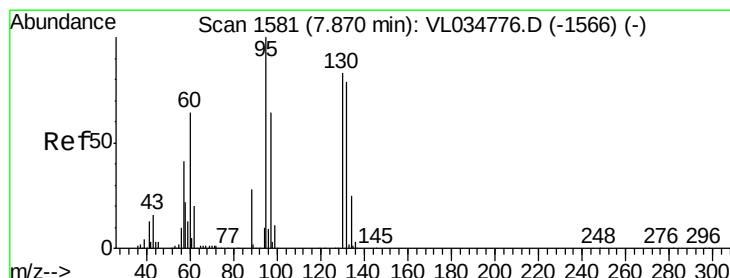
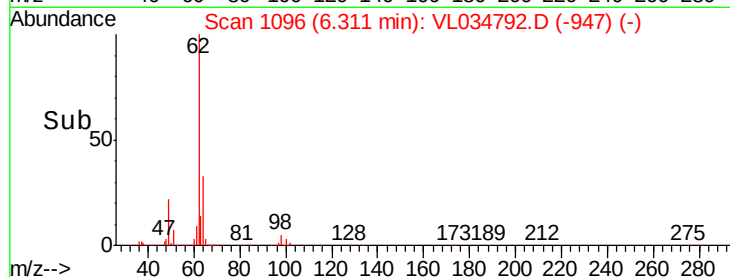
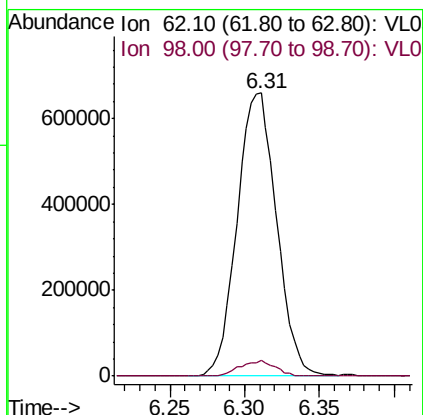
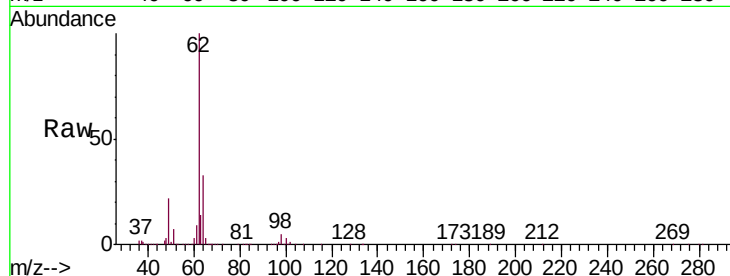




#37
 1,2-Dichloroethane
 Concen: 9.813 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

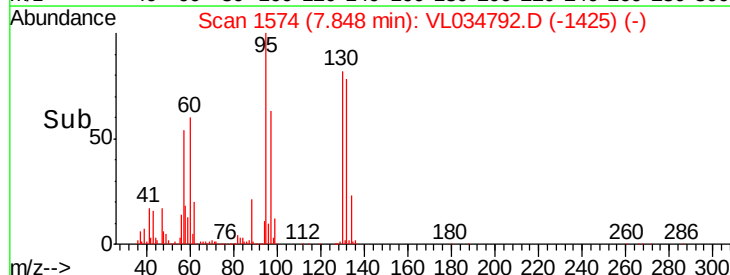
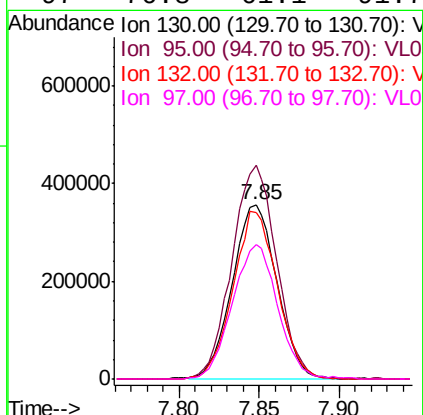
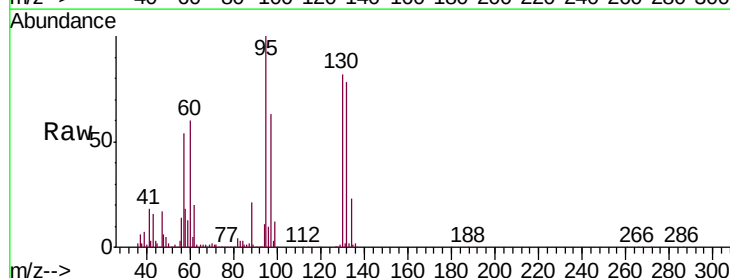
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

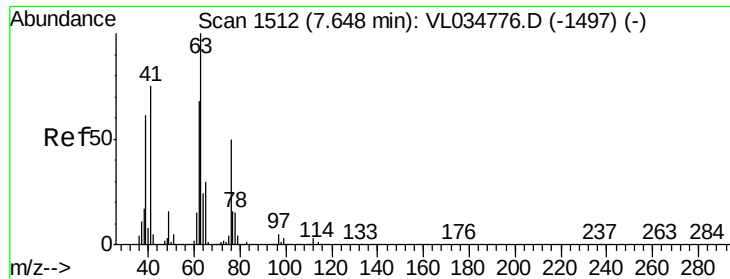
Tgt Ion: 62 Resp: 1209948
 Ion Ratio Lower Upper
 62 100
 98 5.1 4.4 6.6



#38
 Trichloroethene
 Concen: 9.639 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 130 Resp: 678150
 Ion Ratio Lower Upper
 130 100
 95 122.4 95.8 143.8
 132 95.0 76.1 114.1
 97 76.8 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.654 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

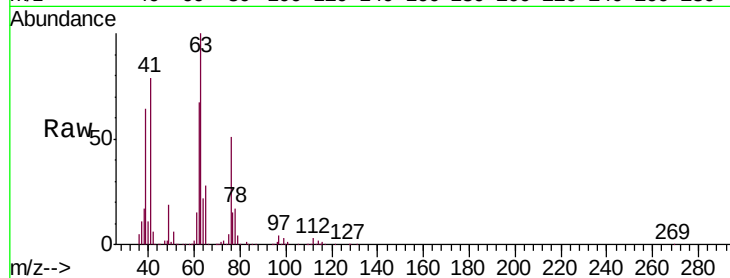
Tgt Ion: 63 Resp: 703293

Ion Ratio Lower Upper

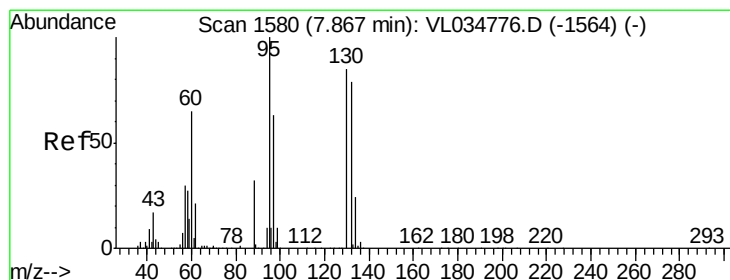
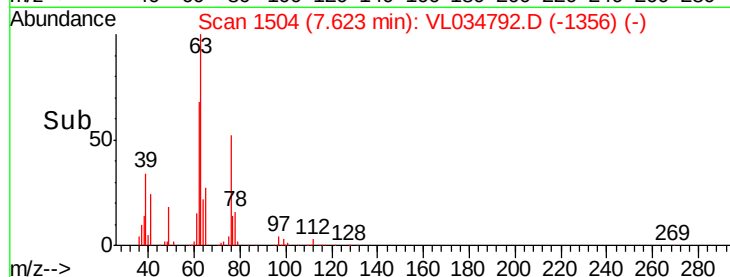
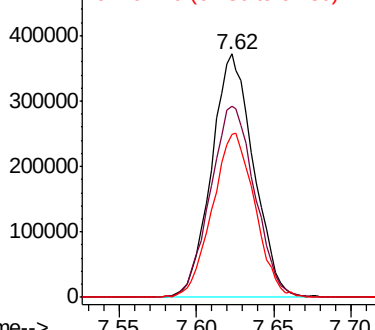
63 100

41 78.6 60.3 90.5

62 67.0 54.5 81.7



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



#40

1,4-Dioxane

Concen: 8.725 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 88 Resp: 219850

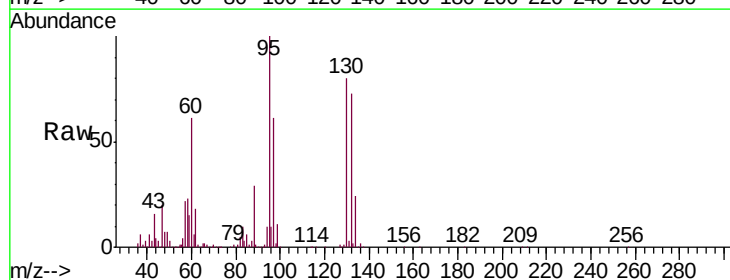
Ion Ratio Lower Upper

88 100

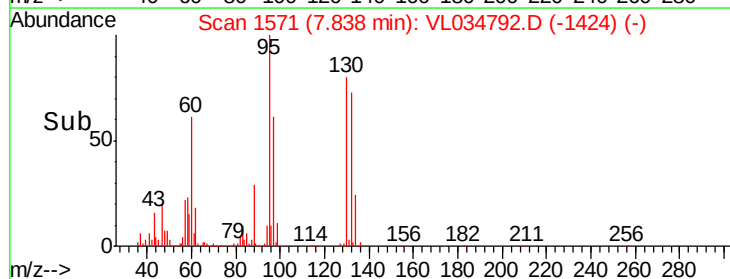
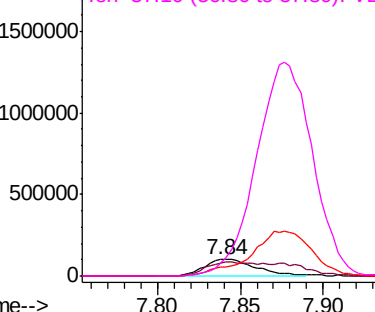
58 145.8 110.6 166.0

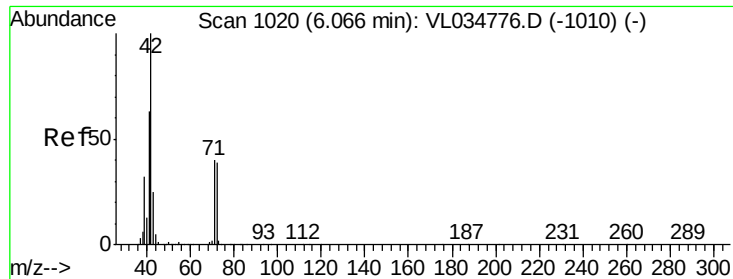
43 0.0 0.0 0.0

57 0.0 0.0 0.0



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

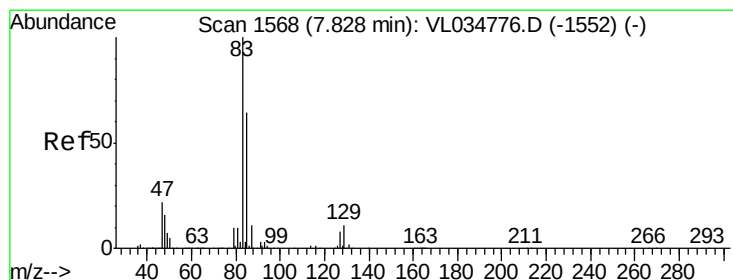
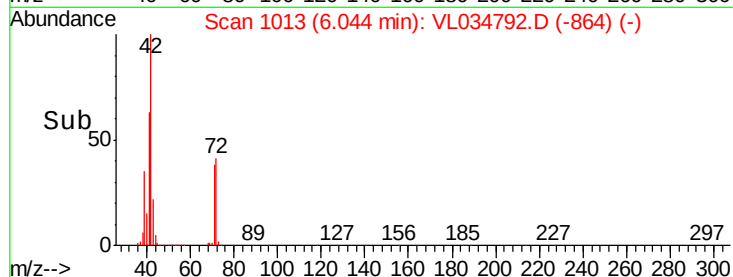
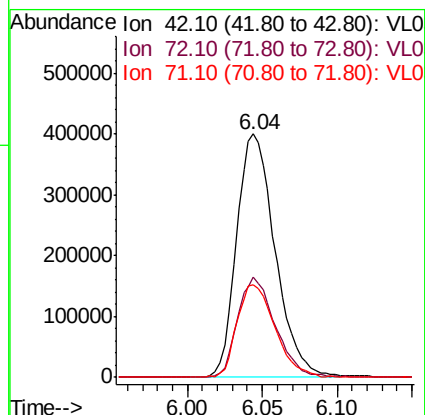
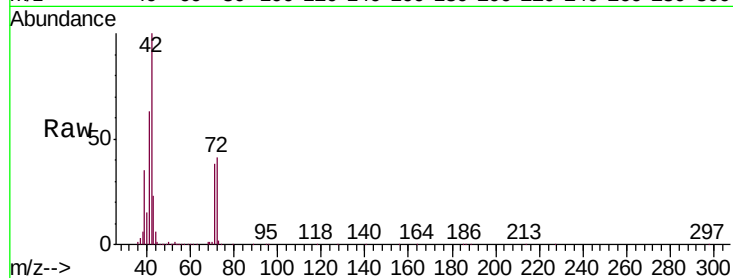




#41
Tetrahydrofuran
Concen: 10.227 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

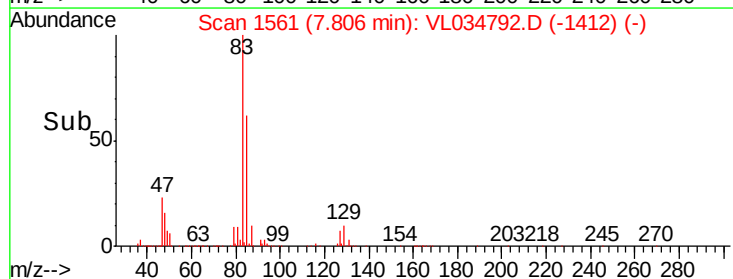
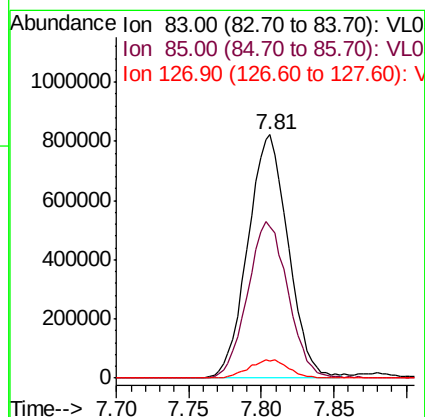
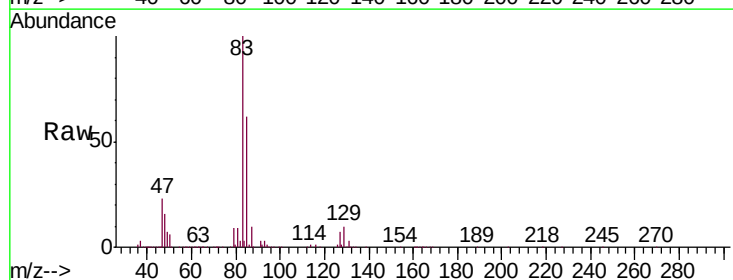
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

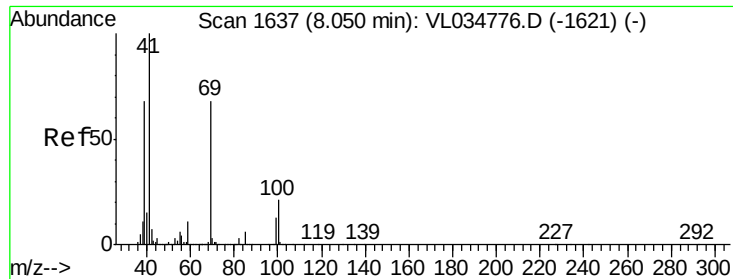
Tgt Ion: 42 Resp: 717188
Ion Ratio Lower Upper
42 100
72 40.3 32.0 48.0
71 37.9 31.3 46.9



#42
Bromodichloromethane
Concen: 10.212 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 83 Resp: 1593150
Ion Ratio Lower Upper
83 100
85 62.3 50.8 76.2
127 7.1 6.5 9.7

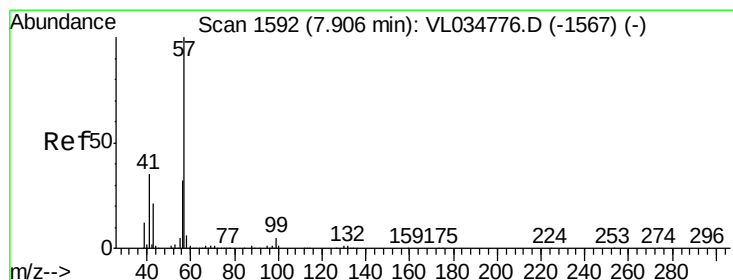
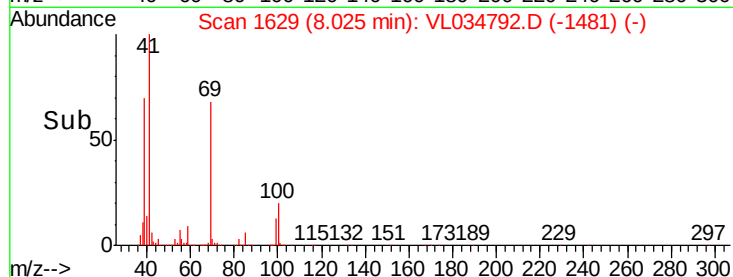
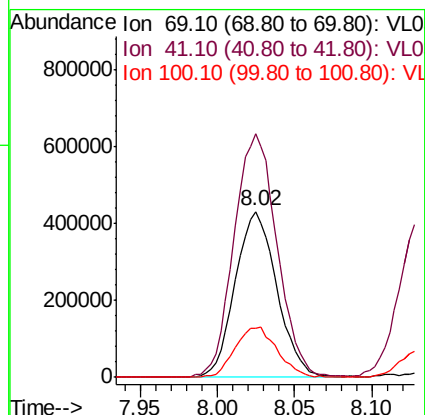
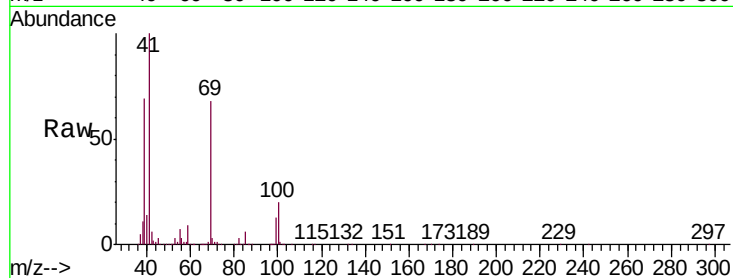




#43
Methyl Methacrylate
Concen: 10.484 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

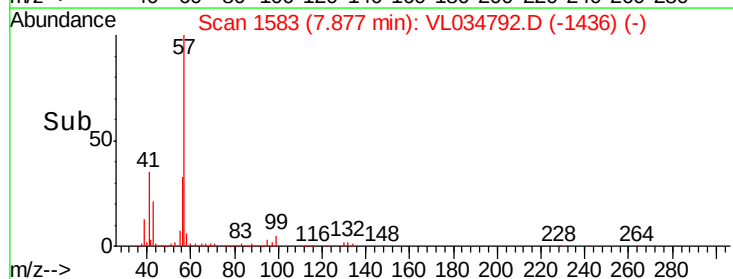
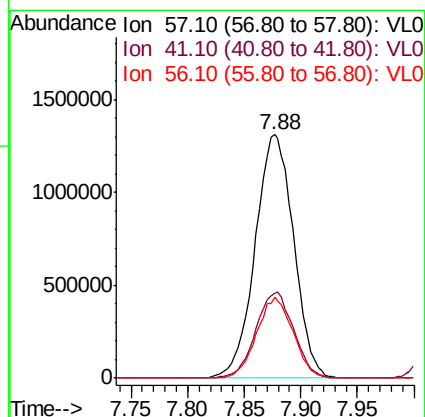
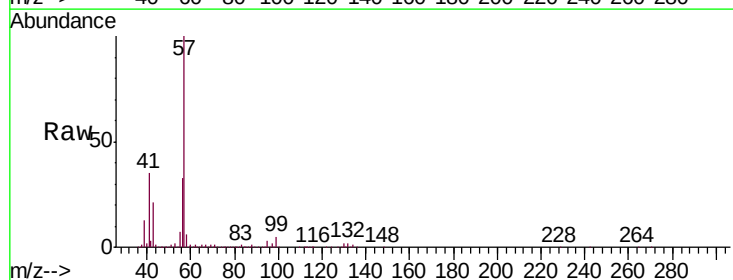
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

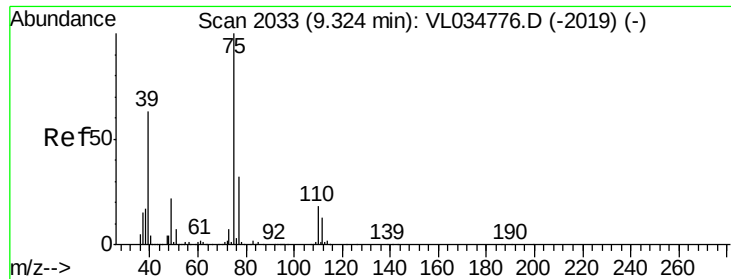
Tgt Ion: 69 Resp: 801991
Ion Ratio Lower Upper
69 100
41 152.2 121.6 182.4
100 30.8 23.8 35.8



#44
2,2,4-Trimethylpentane
Concen: 9.812 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 57 Resp: 3095221
Ion Ratio Lower Upper
57 100
41 34.8 27.4 41.0
56 31.4 25.0 37.6

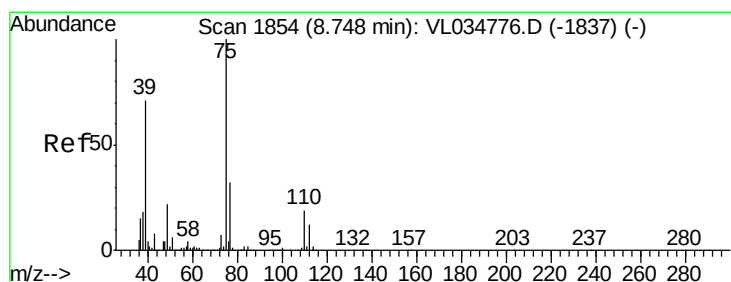
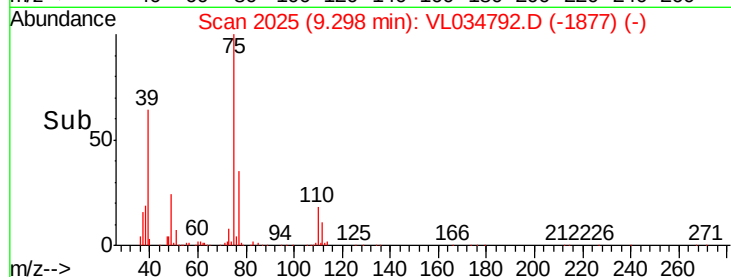
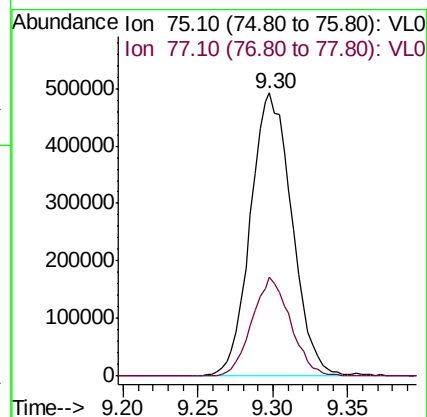
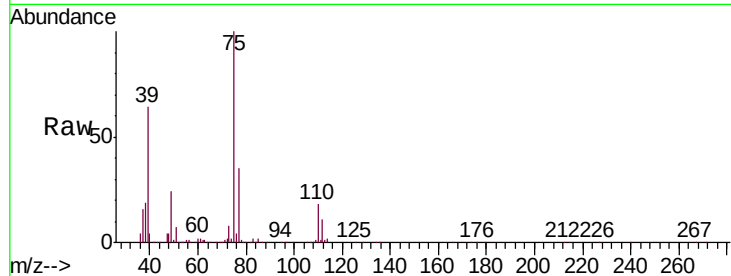




#45
t-1,3-Dichloropropene
Concen: 11.785 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

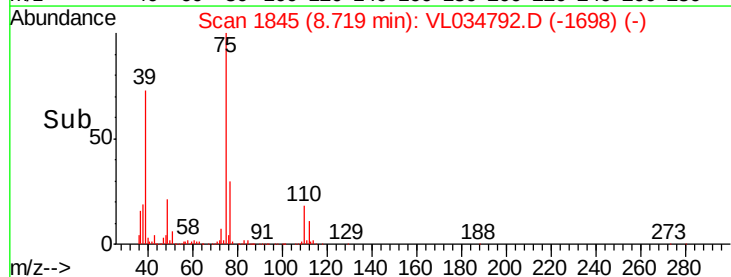
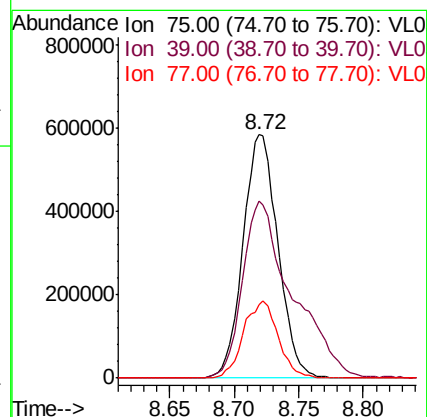
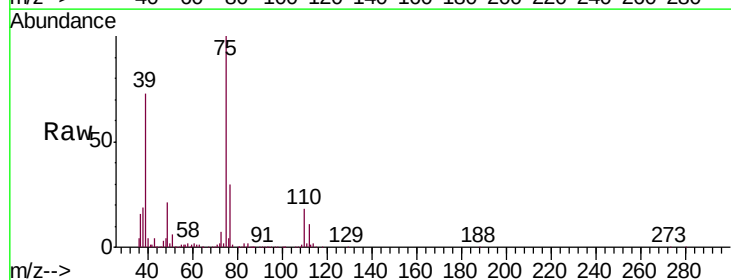
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

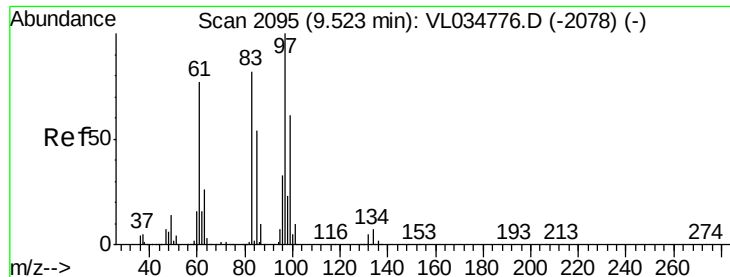
Tgt Ion: 75 Resp: 946449
Ion Ratio Lower Upper
75 100
77 34.8 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 11.236 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 75 Resp: 1101844
Ion Ratio Lower Upper
75 100
39 72.9 56.9 85.3
77 30.4 25.7 38.5

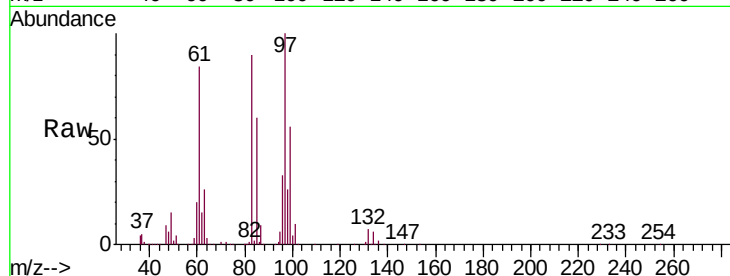




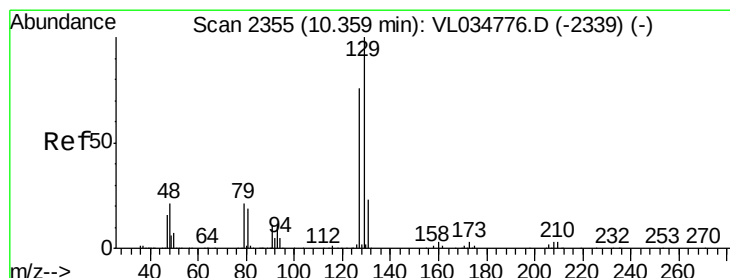
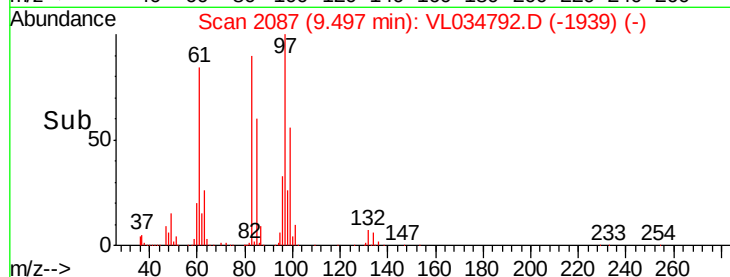
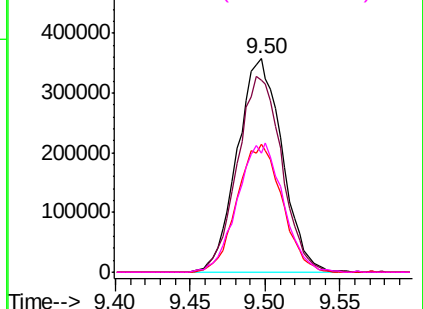
#47
 1,1,2-Trichloroethane
 Concen: 9.680 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tgt Ion: 97 Resp: 744553
 Ion Ratio Lower Upper
 97 100
 83 89.8 65.2 97.8
 85 59.8 43.6 65.4
 99 55.6 48.9 73.3

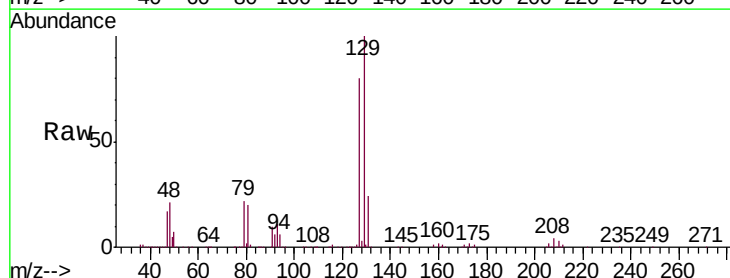


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

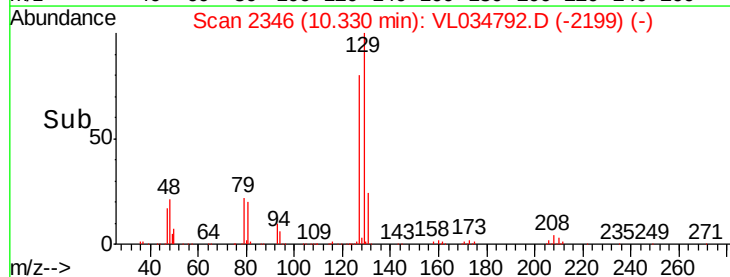
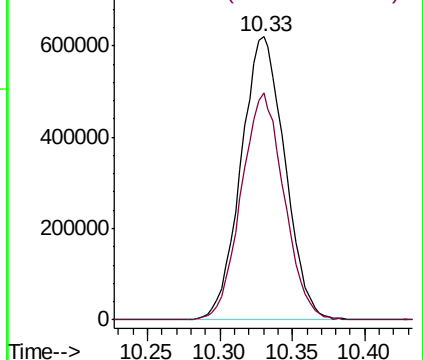


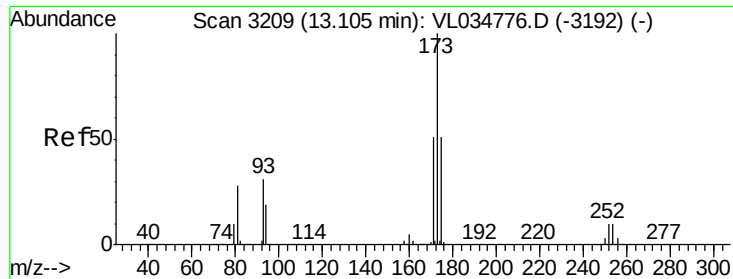
#48
 Dibromochloromethane
 Concen: 10.838 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 129 Resp: 1303521
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.0 117.0



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





#49

Bromoform

Concen: 11.154 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

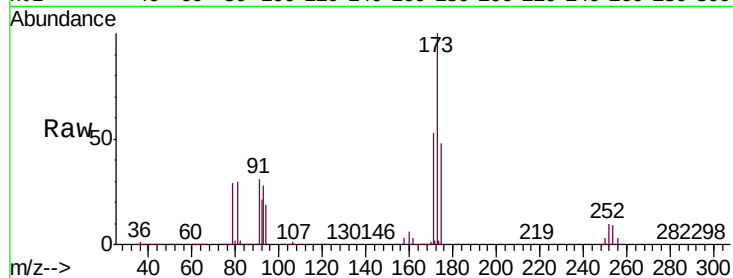
Tgt Ion:173 Resp: 1170579

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.6

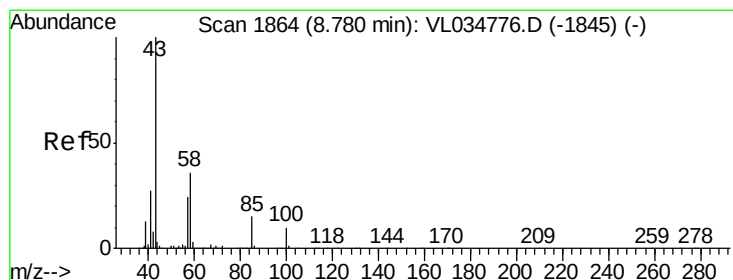
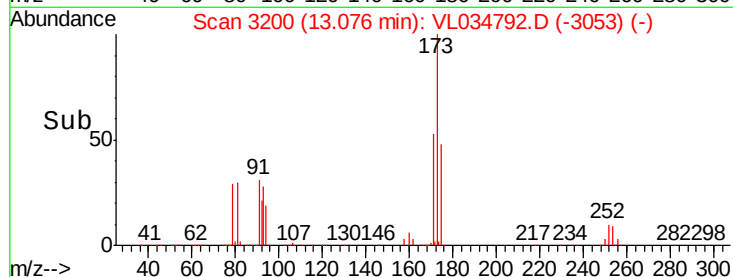
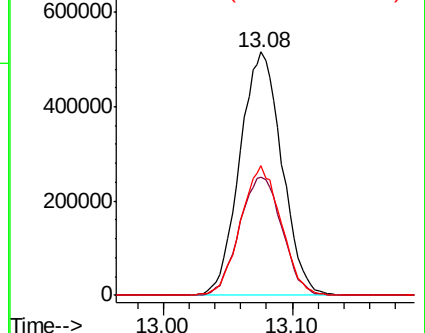
171 51.4 41.0 61.4



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: 10.125 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.03 min

Lab File: VL034792.D

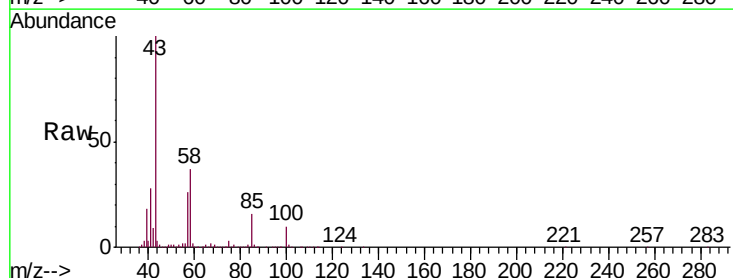
Acq: 5 Mar 2020 11:51

Tgt Ion: 43 Resp: 1993936

Ion Ratio Lower Upper

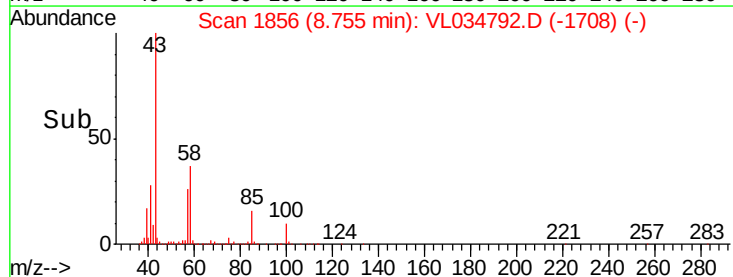
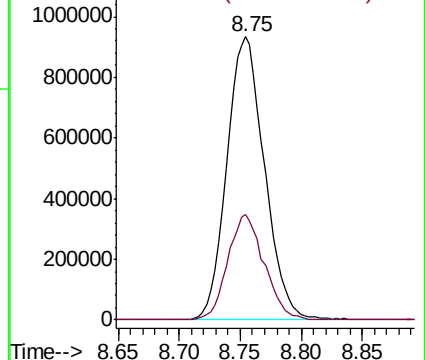
43 100

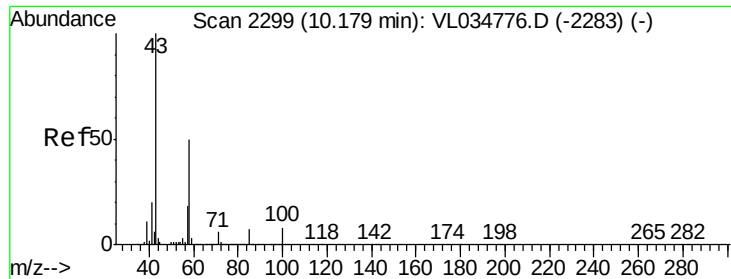
58 36.3 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

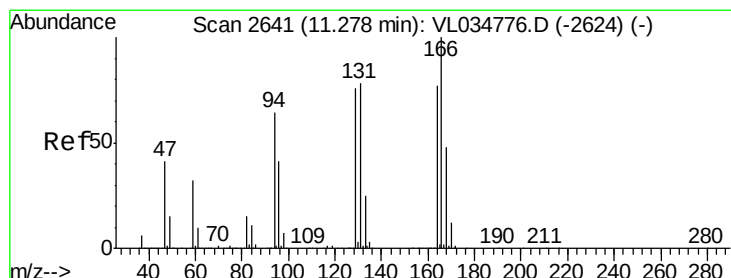
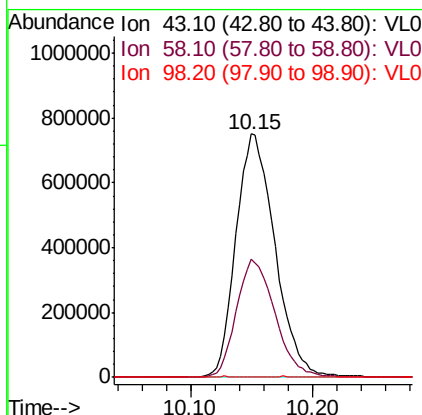
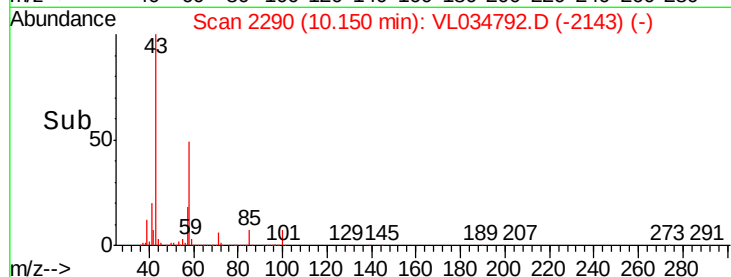
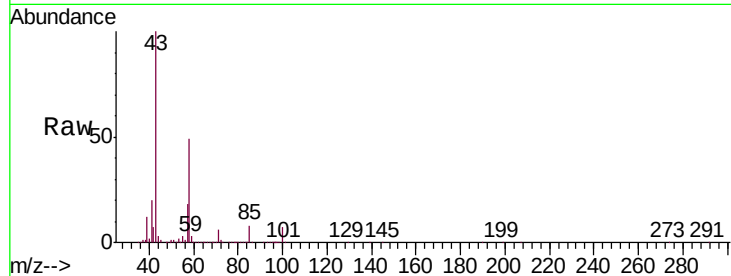




#51
2-Hexanone
Concen: 10.751 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

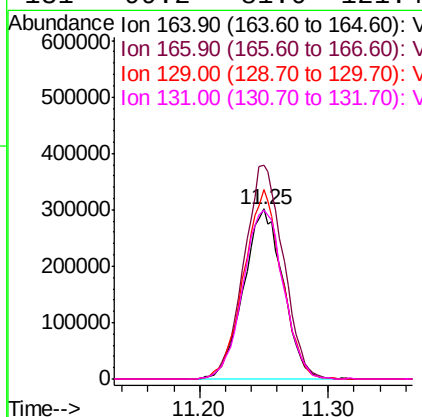
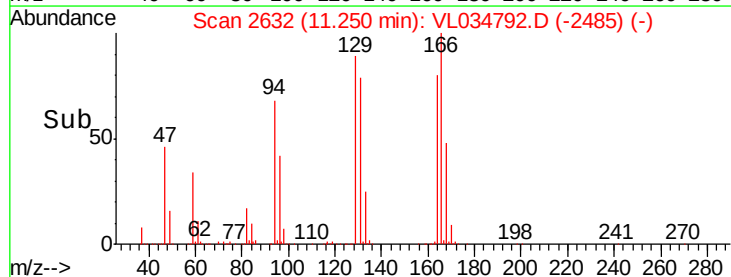
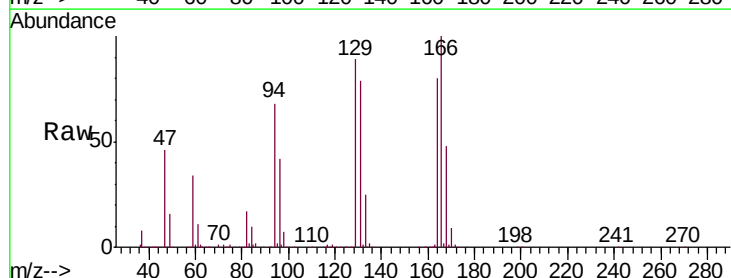
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

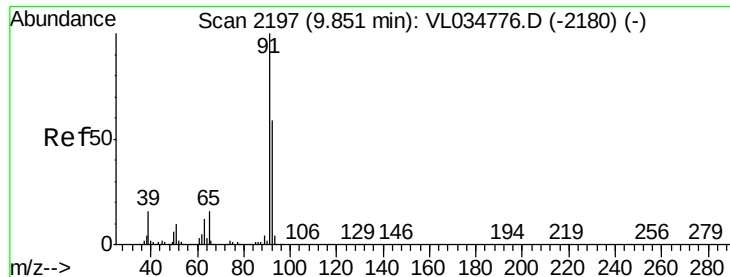
Tgt Ion: 43 Resp: 1660896
Ion Ratio Lower Upper
43 100
58 48.1 38.6 58.0
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.573 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 164 Resp: 638440
Ion Ratio Lower Upper
164 100
166 125.7 103.3 154.9
129 111.3 79.0 118.4
131 99.2 81.0 121.4





#53

Toluene

Concen: 10.806 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

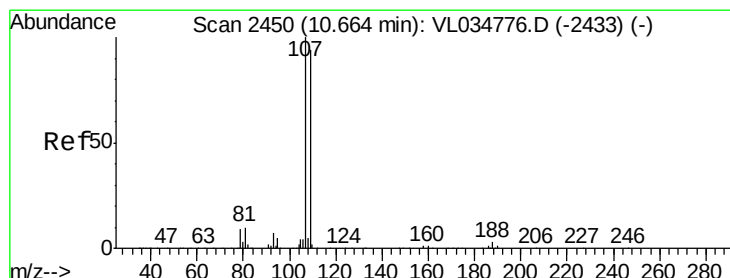
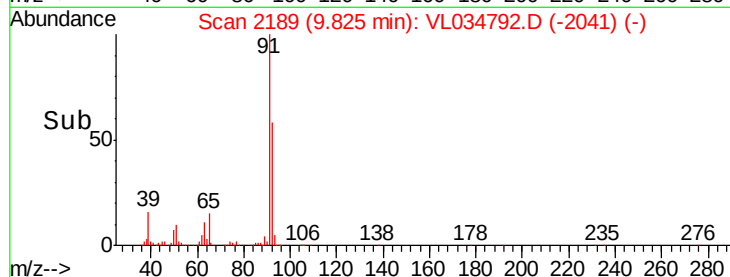
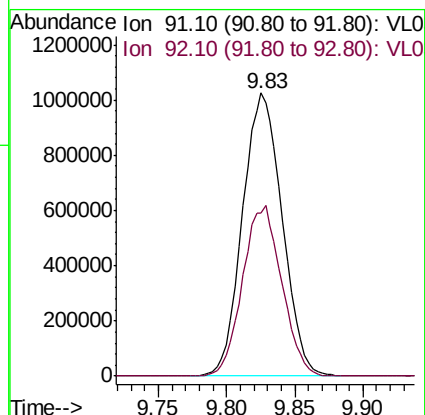
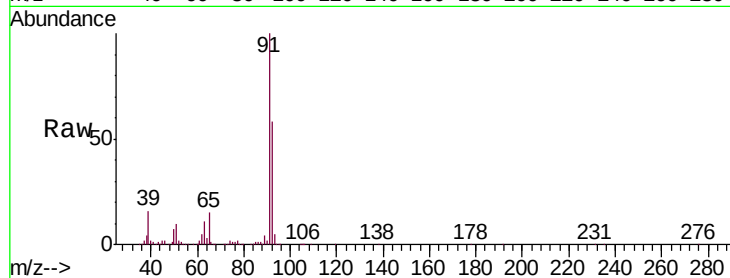
VL0305ABS01

Tgt Ion: 91 Resp: 2064637

Ion Ratio Lower Upper

91 100

92 59.7 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.128 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL034792.D

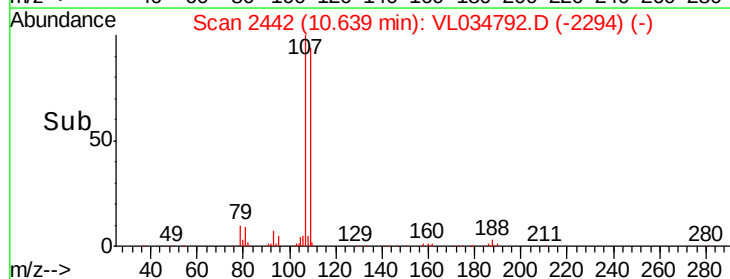
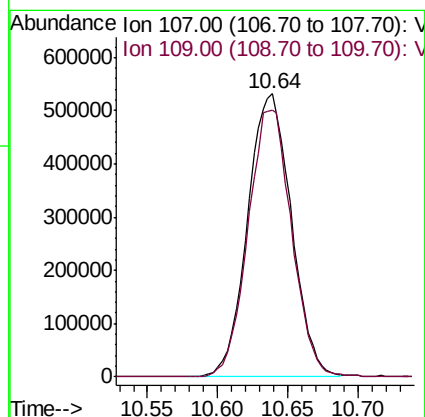
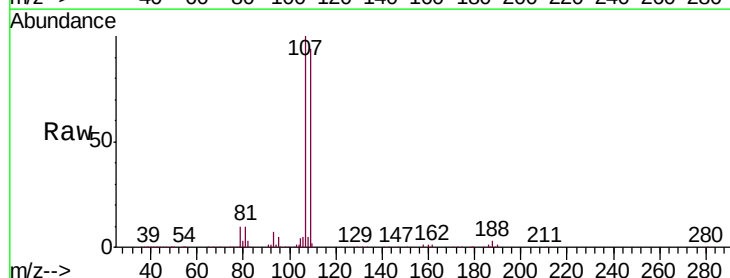
Acq: 5 Mar 2020 11:51

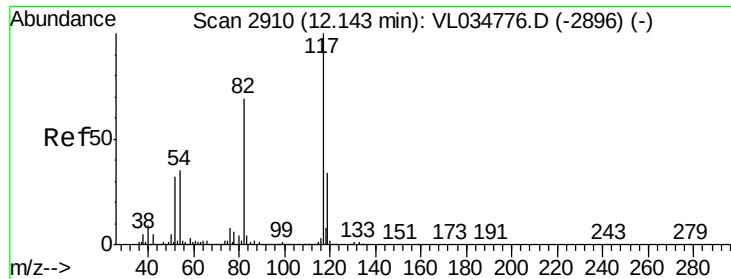
Tgt Ion: 107 Resp: 1151886

Ion Ratio Lower Upper

107 100

109 94.4 75.0 112.6

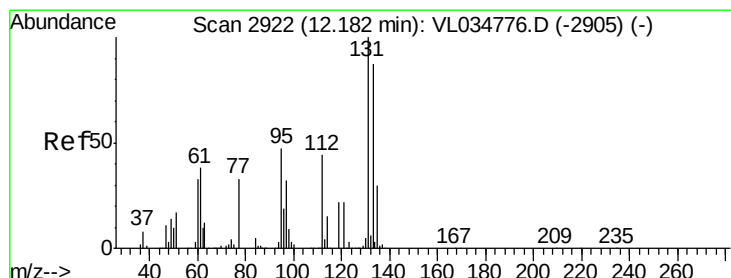
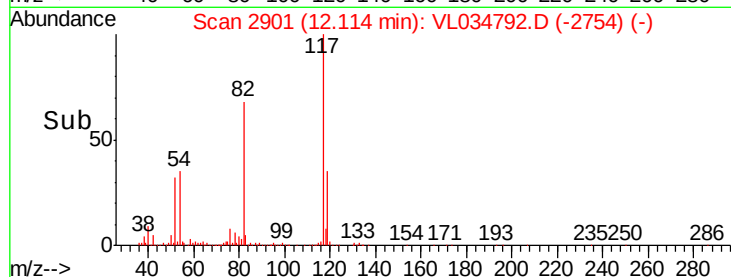
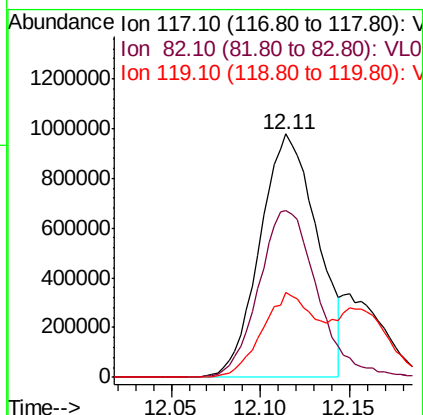
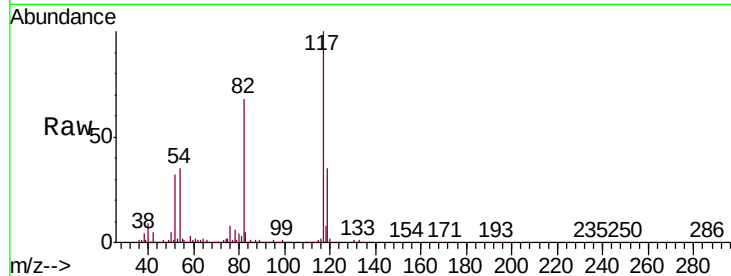




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

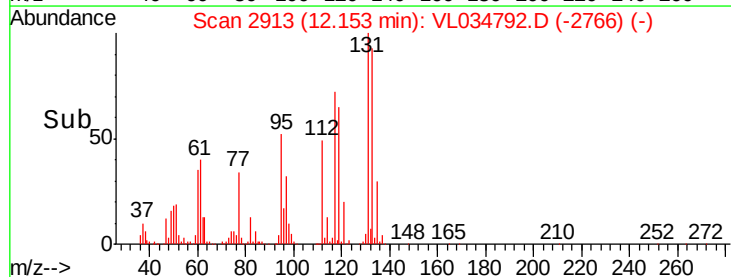
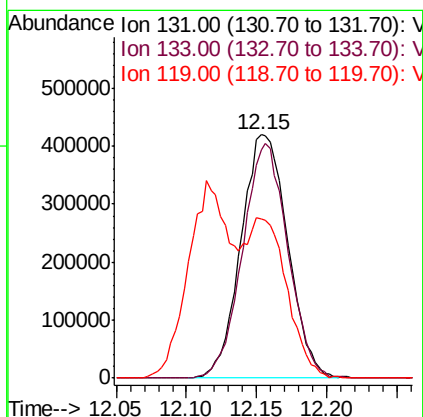
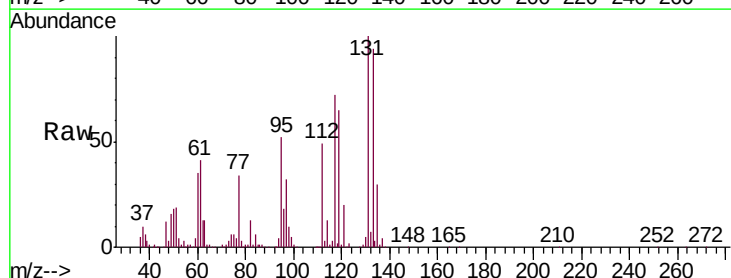
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

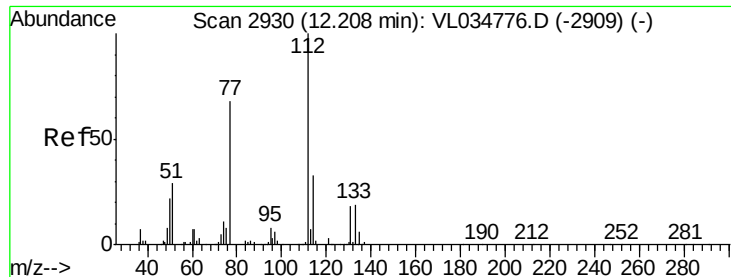
Tgt Ion:117 Resp: 2183869
Ion Ratio Lower Upper
117 100
82 70.9 53.9 80.9
119 30.8 25.0 37.4



#56
1,1,1,2-Tetrachloroethane
Concen: 10.061 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion:131 Resp: 973556
Ion Ratio Lower Upper
131 100
133 93.3 75.4 113.0
119 59.0 110.5 165.7#

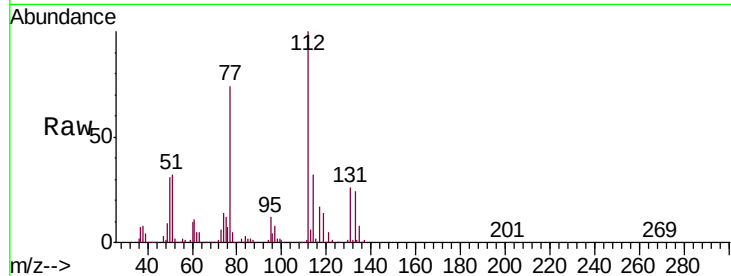




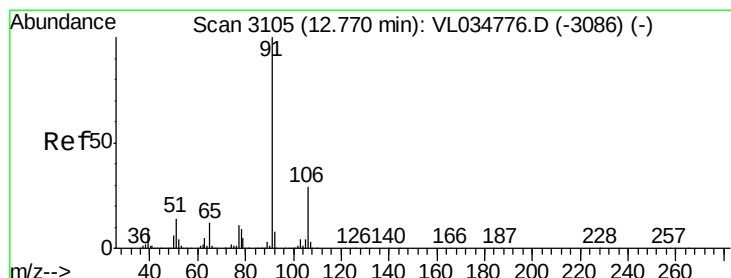
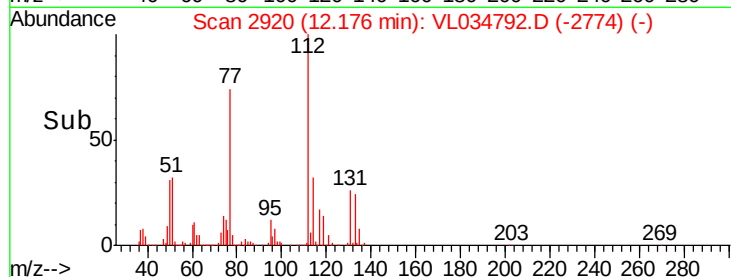
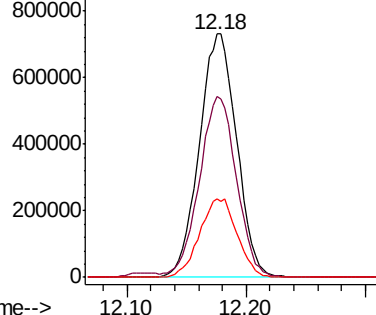
#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tgt Ion: 112 Resp: 1586074
Ion Ratio Lower Upper
112 100
77 74.2 55.6 83.4
114 32.4 29.4 36.0

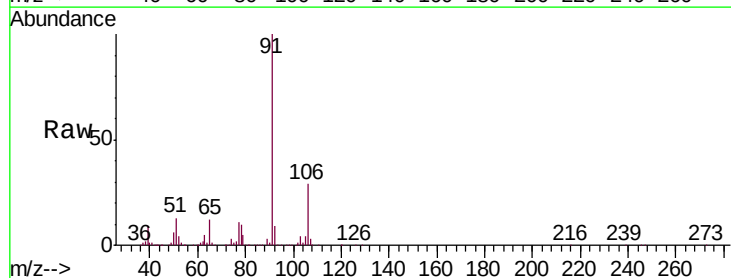


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

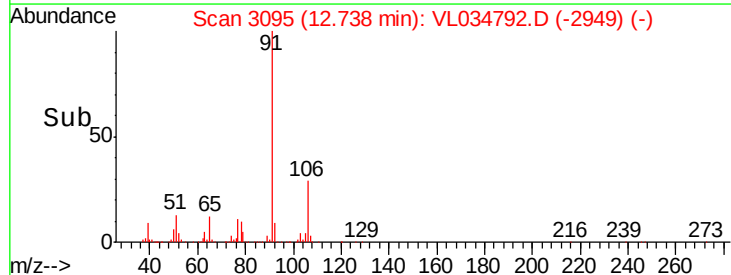
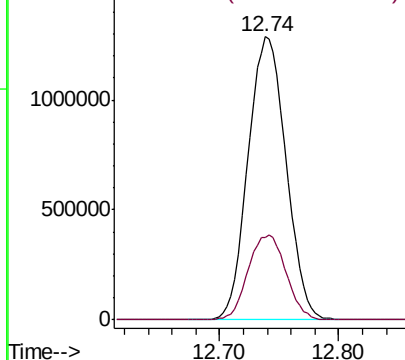


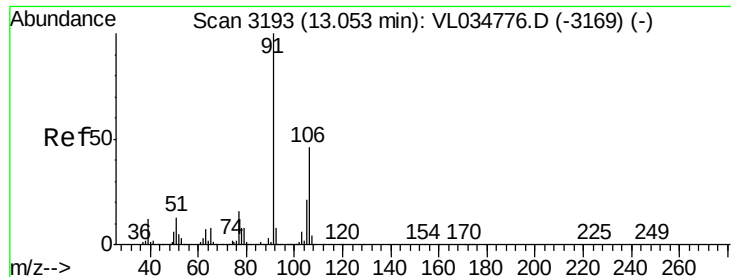
#58
Ethyl Benzene
Concen: 10.557 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 91 Resp: 2841150
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

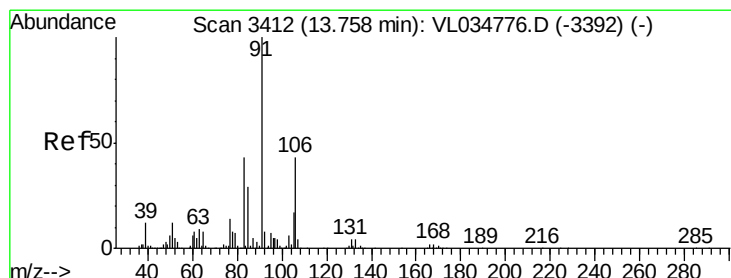
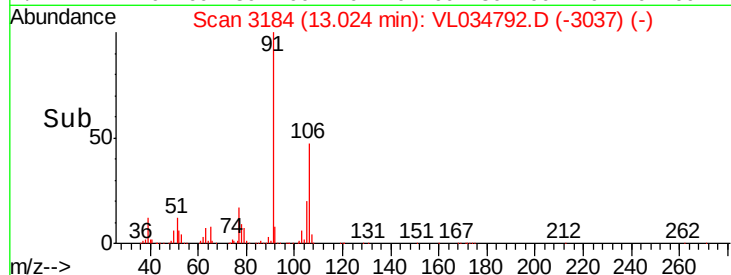
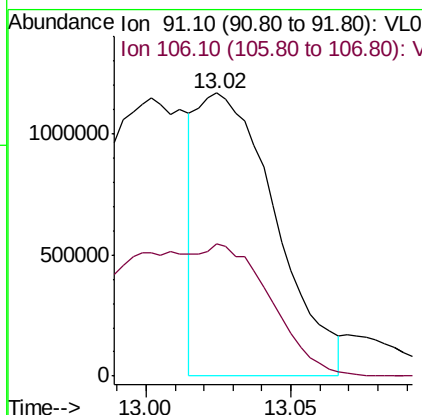
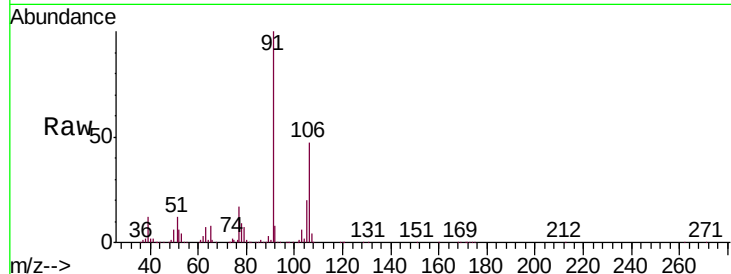




#59
m/p-Xylene
Concen: 9.396 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

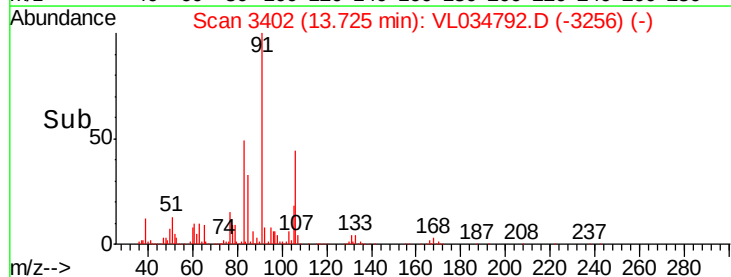
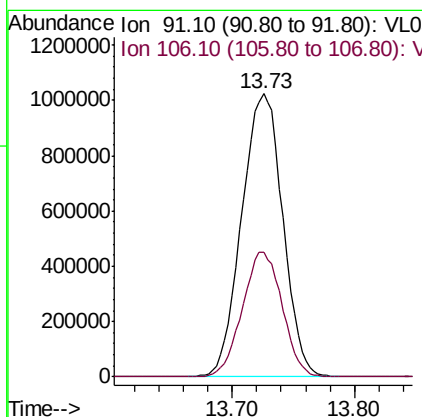
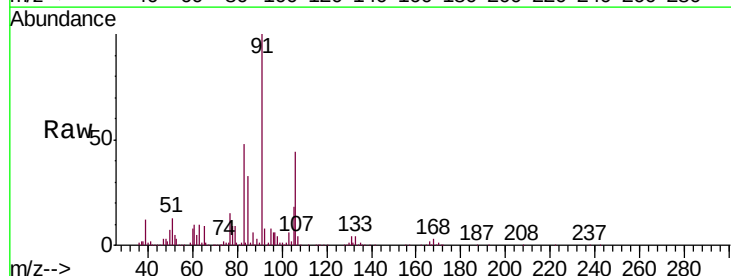
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

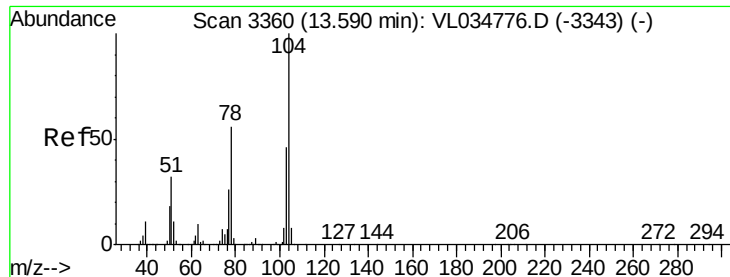
Tgt Ion: 91 Resp: 2189072
Ion Ratio Lower Upper
91 100
106 95.5 35.8 53.8#



#60
o-Xylene
Concen: 10.076 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 91 Resp: 2374934
Ion Ratio Lower Upper
91 100
106 42.8 21.7 65.1





#61

Styrene

Concen: 11.265 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

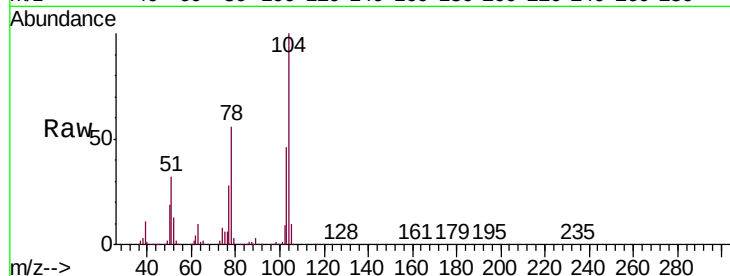
Tgt Ion:104 Resp: 1647211

Ion Ratio Lower Upper

104 100

78 57.3 44.7 67.1

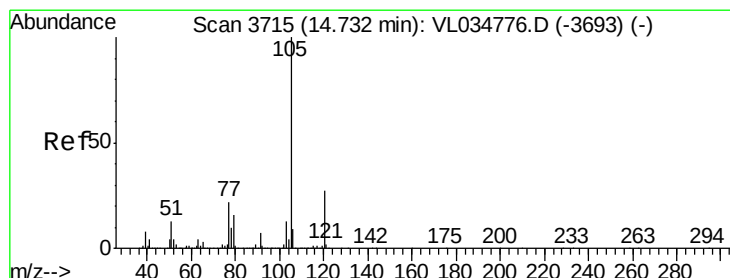
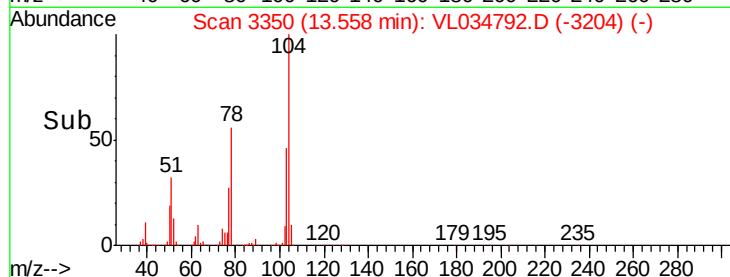
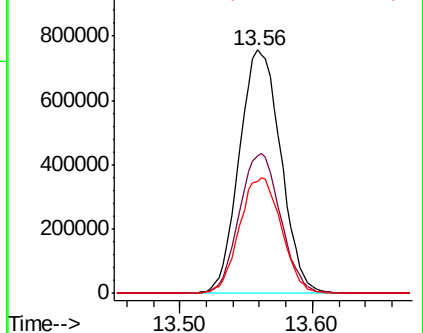
103 48.0 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.934 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.03 min

Lab File: VL034792.D

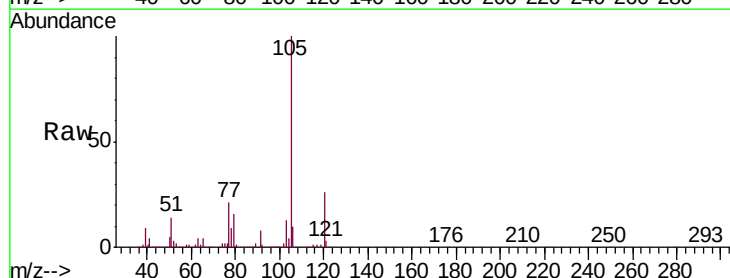
Acq: 5 Mar 2020 11:51

Tgt Ion:105 Resp: 3446246

Ion Ratio Lower Upper

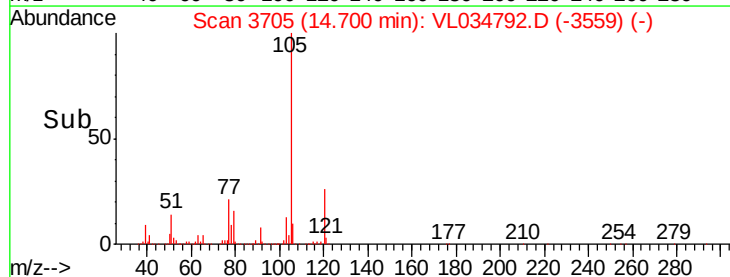
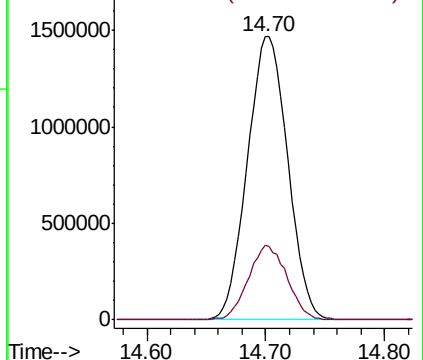
105 100

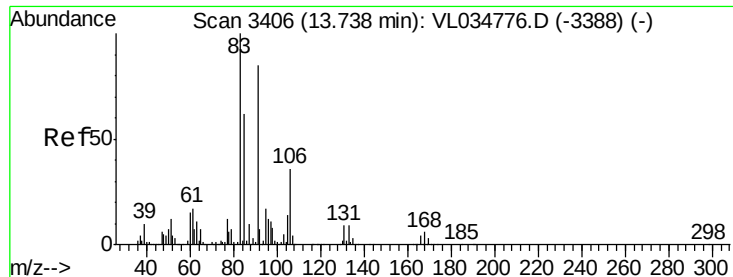
120 25.2 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

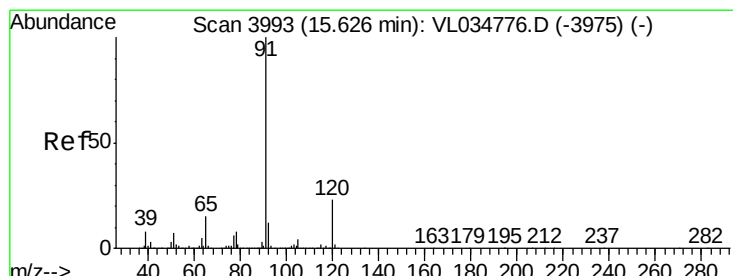
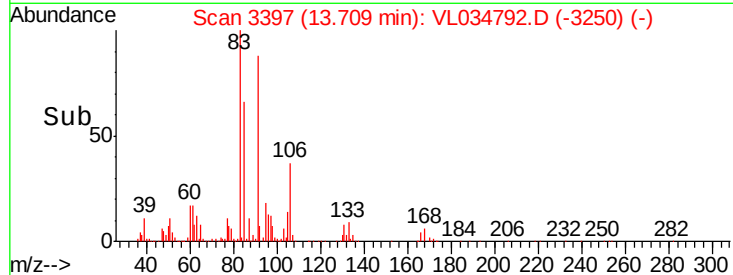
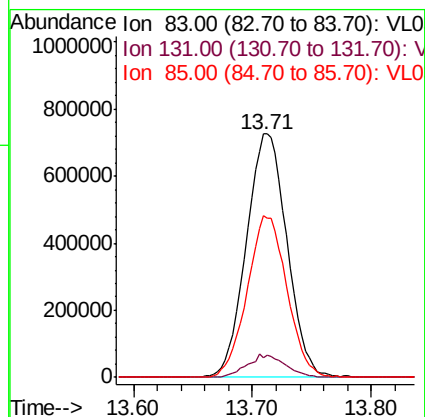
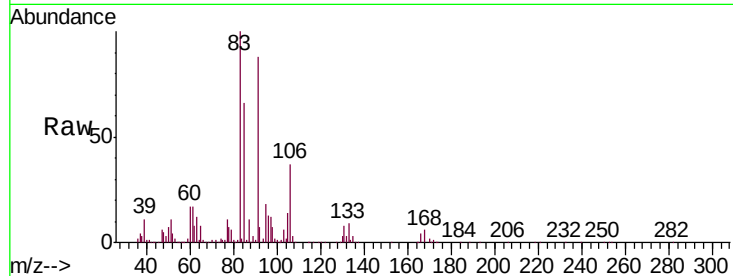




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.238 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

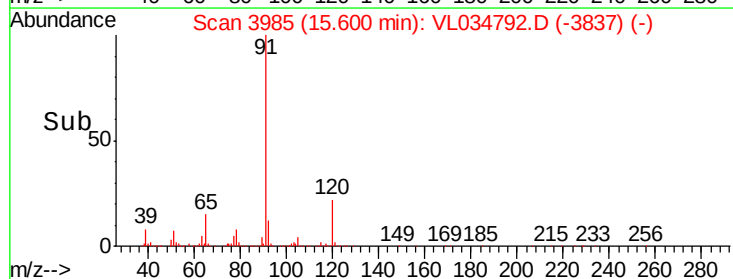
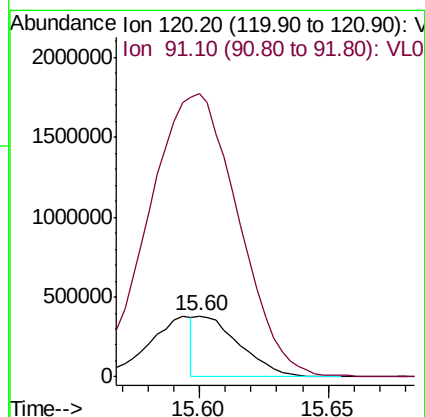
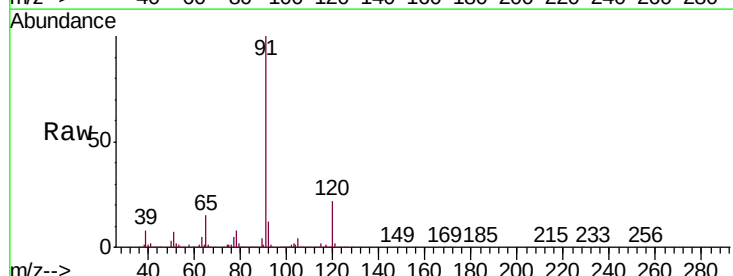
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

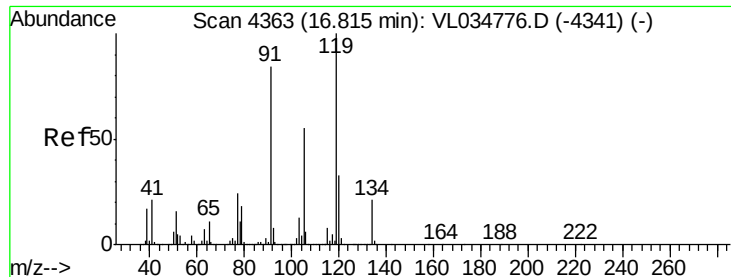
Tgt Ion: 83 Resp: 1716489
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.7 14.0
 85 64.8 32.9 98.7



#64
 n-propylbenzene
 Concen: 5.137 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 120 Resp: 446851
 Ion Ratio Lower Upper
 120 100
 91 964.0 379.4 569.2#

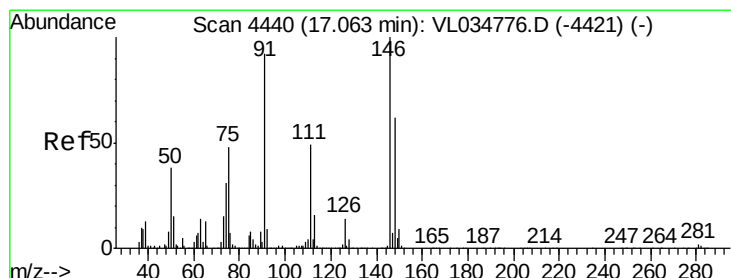
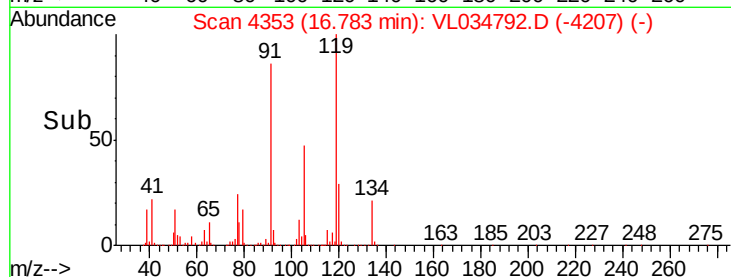
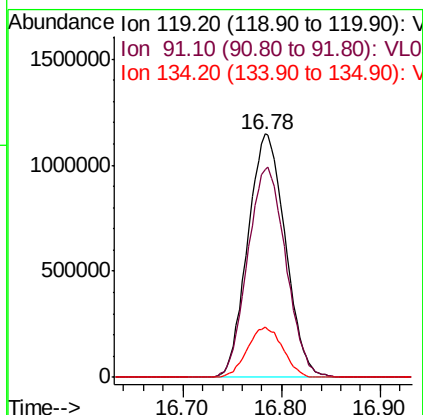
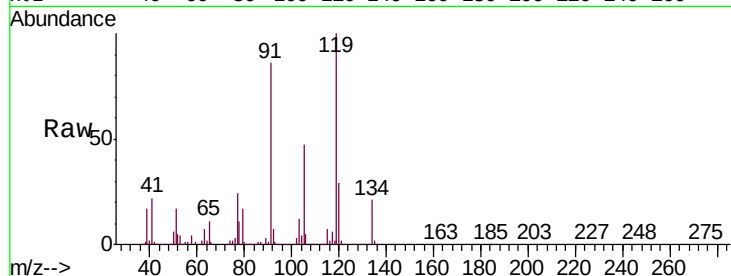




#65
 tert-Butylbenzene
 Concen: 10.252 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

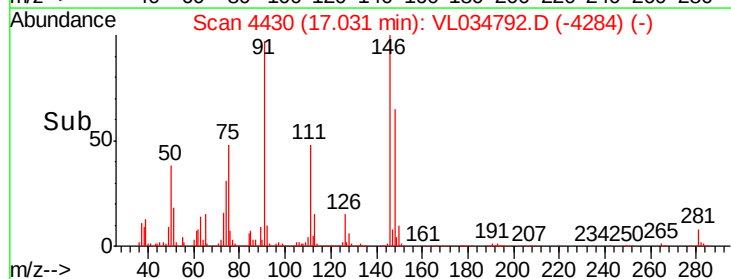
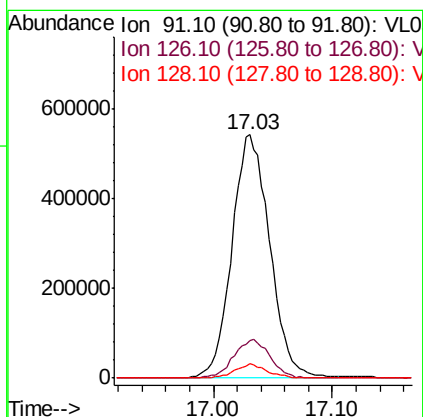
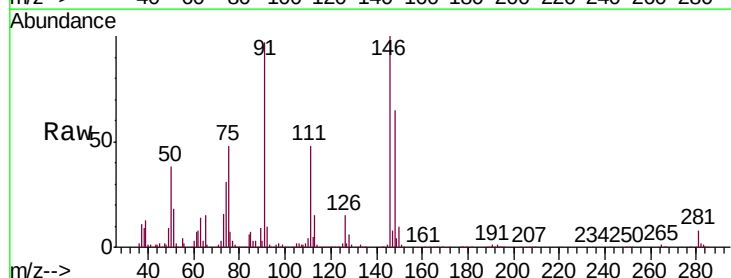
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

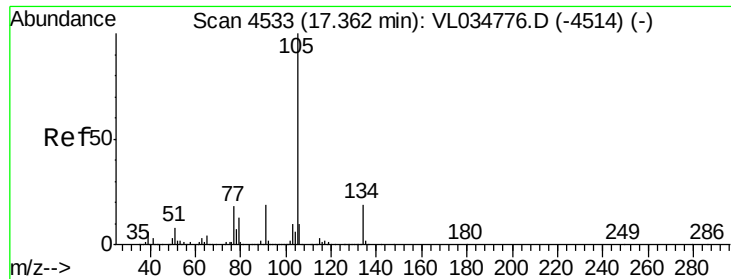
Tgt Ion: 119 Resp: 3005661
 Ion Ratio Lower Upper
 119 100
 91 88.2 69.8 104.6
 134 19.6 15.9 23.9



#66
 Benzyl Chloride
 Concen: 12.514 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 91 Resp: 1186162
 Ion Ratio Lower Upper
 91 100
 126 15.4 12.6 18.8
 128 5.1 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.125 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

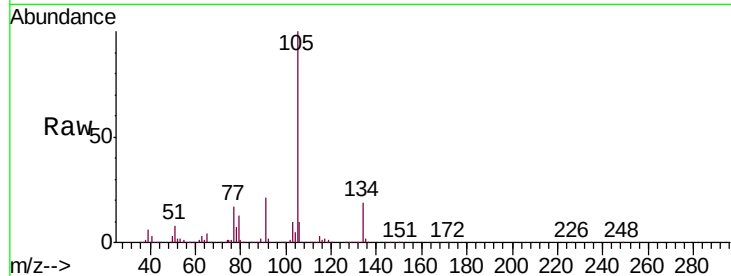
VL0305ABS01

Tgt Ion:105 Resp: 4325601

Ion Ratio Lower Upper

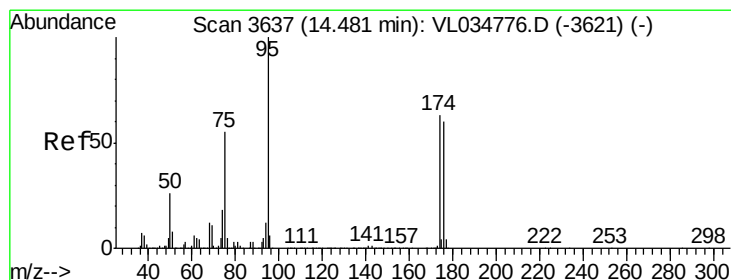
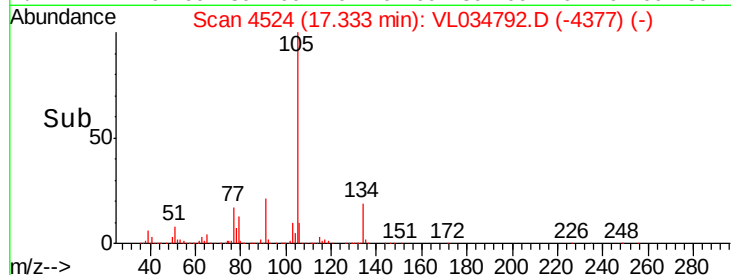
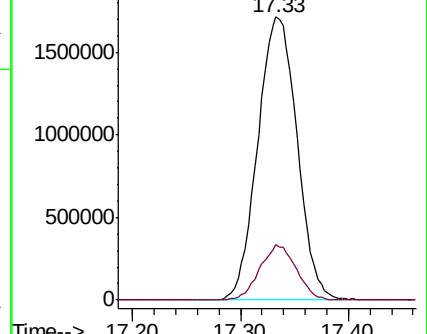
105 100

134 18.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.192 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

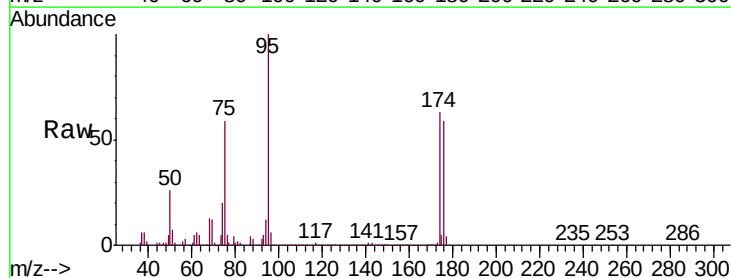
Tgt Ion: 95 Resp: 1855891

Ion Ratio Lower Upper

95 100

174 63.2 50.6 76.0

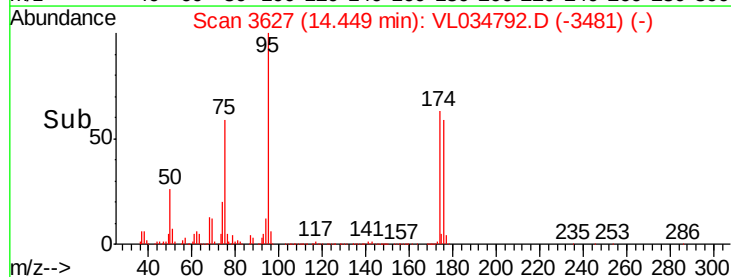
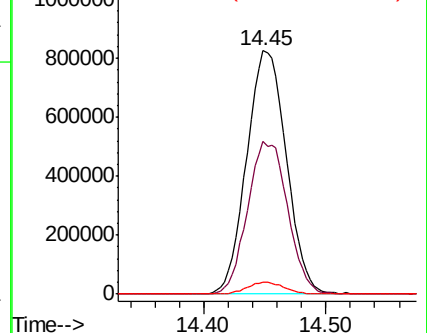
175 4.6 3.8 5.6

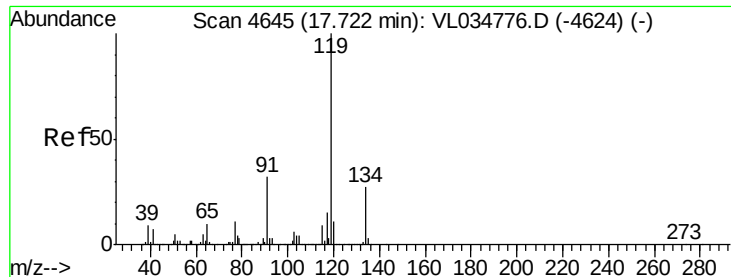


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

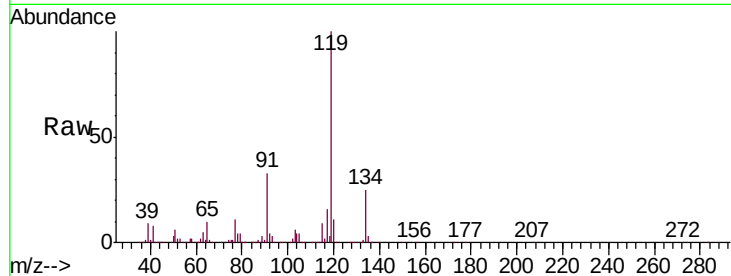




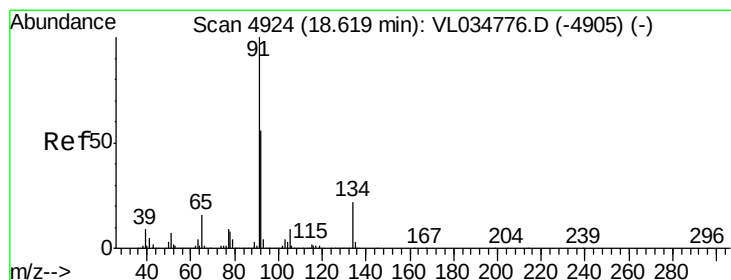
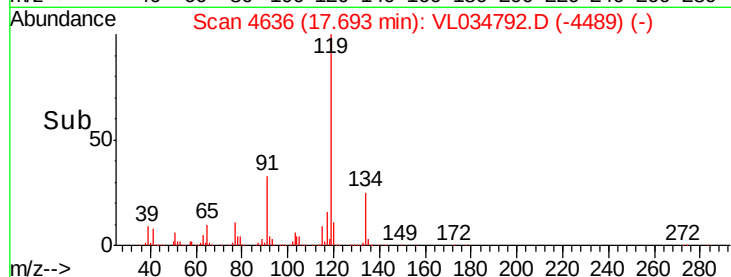
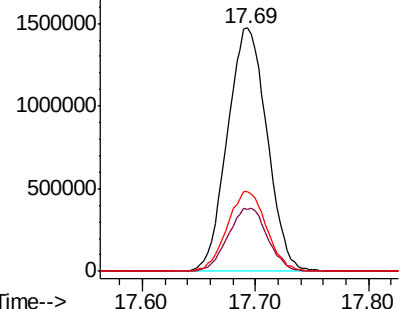
#69
 p-Isopropyltoluene
 Concen: 10.349 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tgt Ion: 119 Resp: 3577948
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 32.6 25.3 37.9

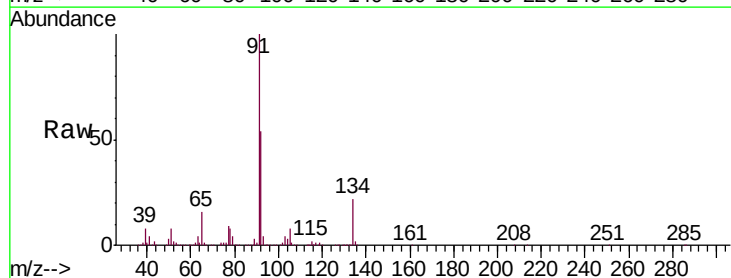


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

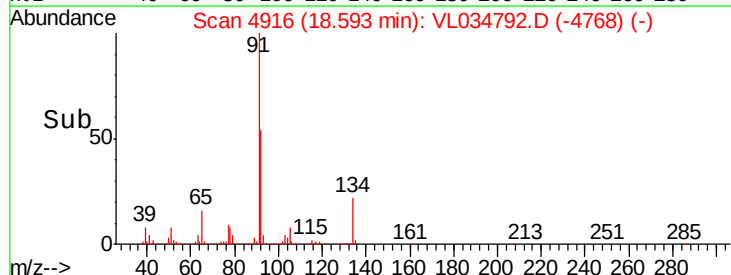
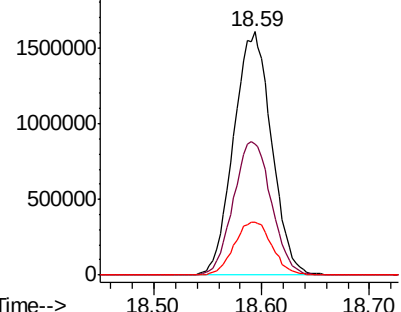


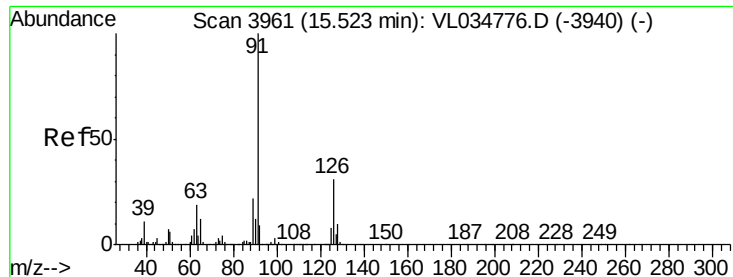
#70
 n-Butylbenzene
 Concen: 10.365 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion: 91 Resp: 3918521
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 21.7 17.7 26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.319 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

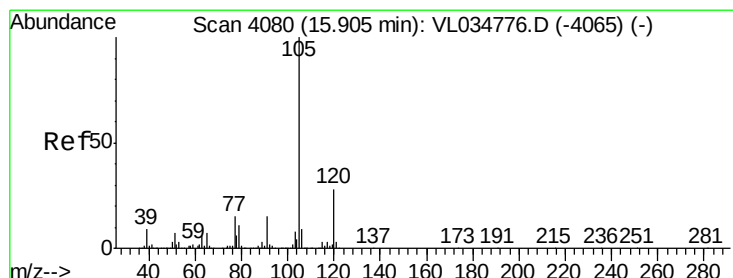
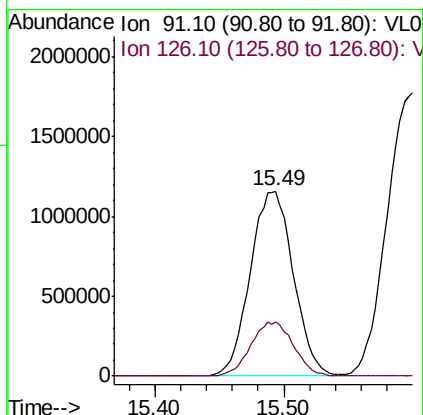
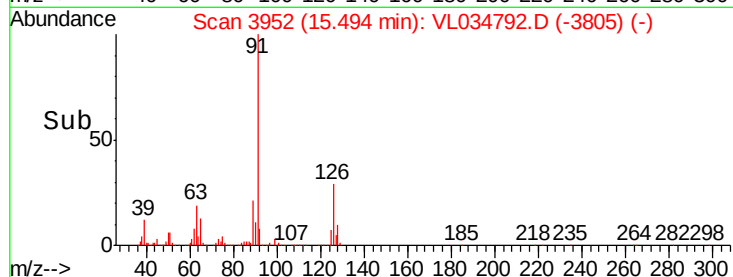
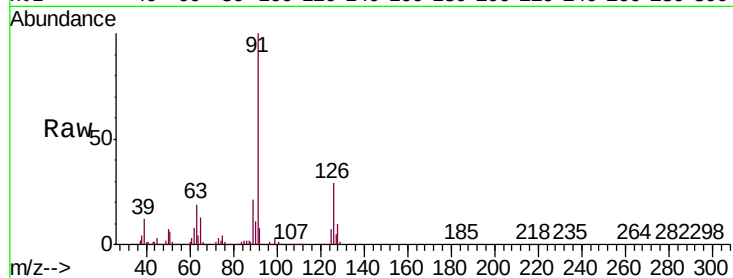
VL0305ABS01

Tgt Ion: 91 Resp: 2703652

Ion Ratio Lower Upper

91 100

126 29.0 11.7 46.7



#72

4-Ethyltoluene

Concen: 10.652 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 105 Resp: 2795645

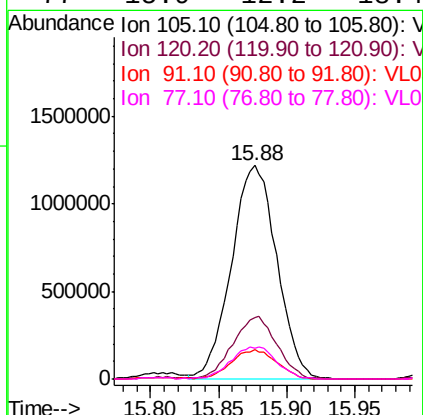
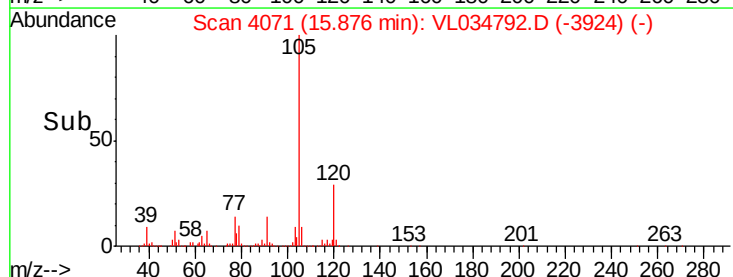
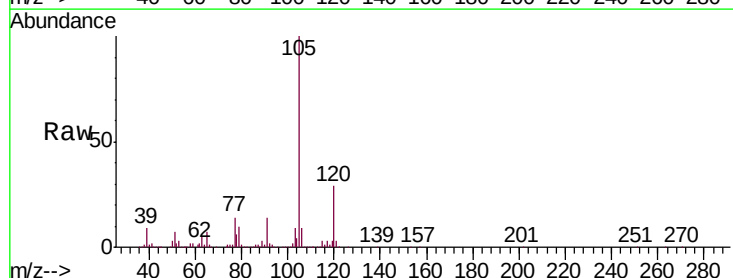
Ion Ratio Lower Upper

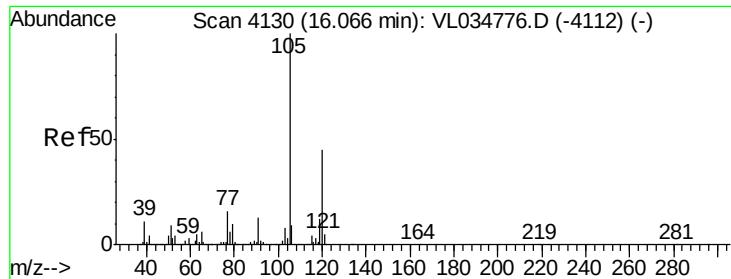
105 100

120 28.8 23.0 34.6

91 13.8 11.1 16.7

77 15.9 12.2 18.4

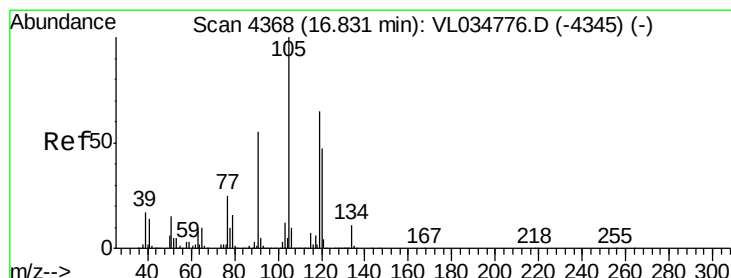
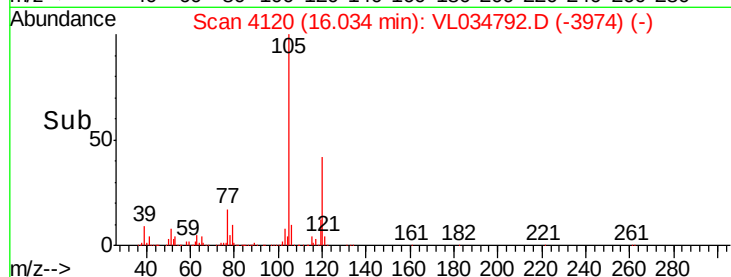
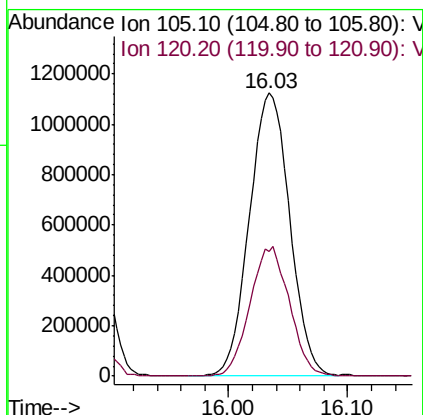
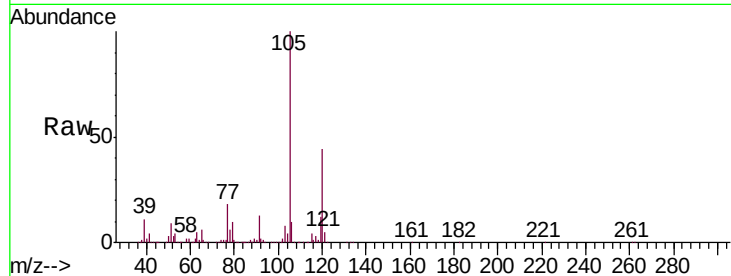




#73
 1,3,5-Trimethylbenzene
 Concen: 10.497 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

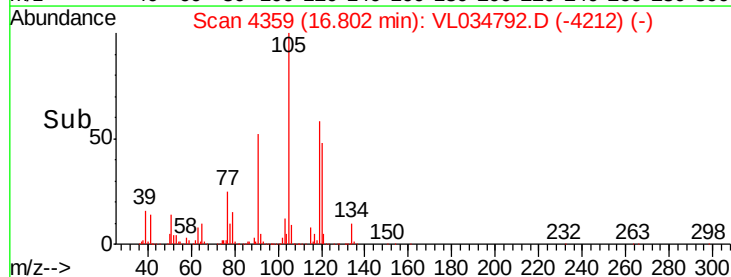
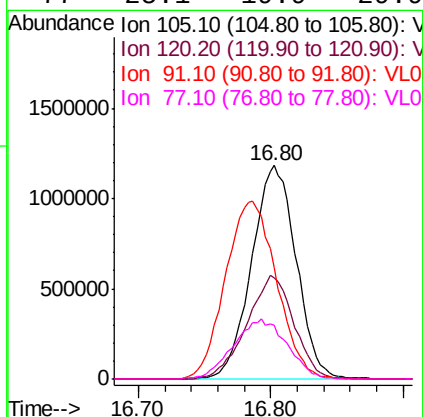
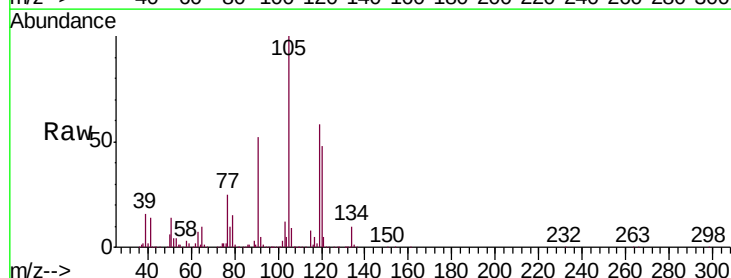
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

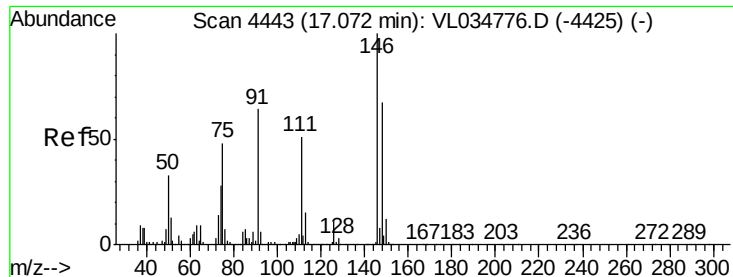
Tgt Ion:105 Resp: 2642621
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 10.121 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:105 Resp: 2769691
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.6
 91 51.7 43.8 65.8
 77 25.1 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 9.699 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

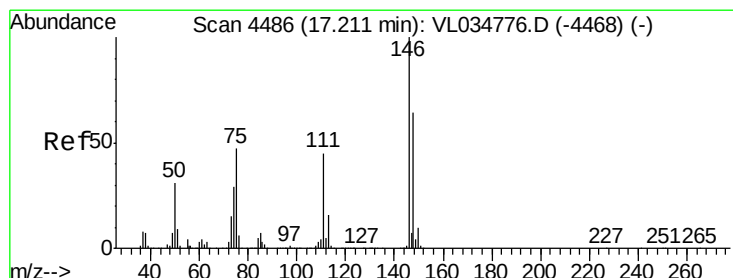
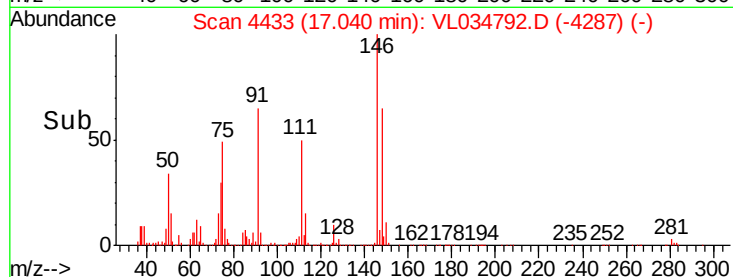
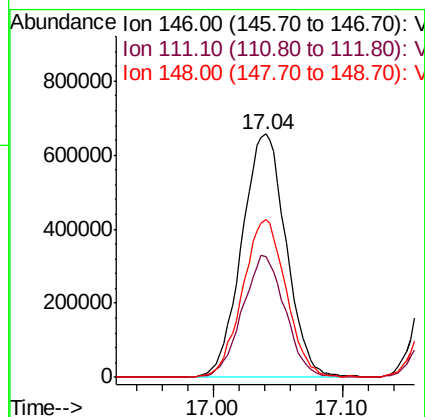
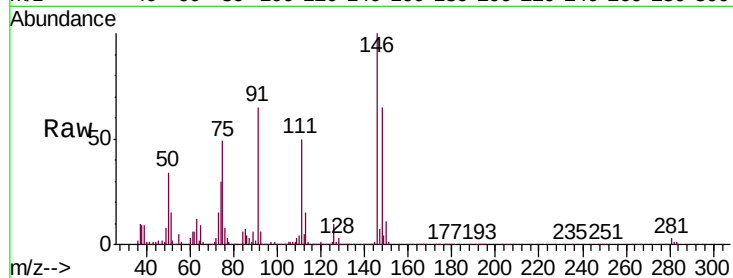
Tgt Ion:146 Resp: 1571319

Ion Ratio Lower Upper

146 100

111 48.3 24.7 74.1

148 63.8 31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 10.073 ppbv

RT: 17.19 min Scan# 4478

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

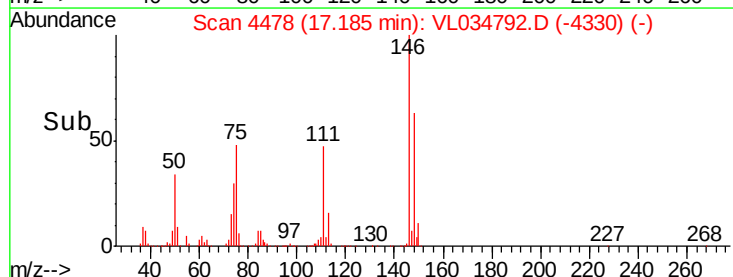
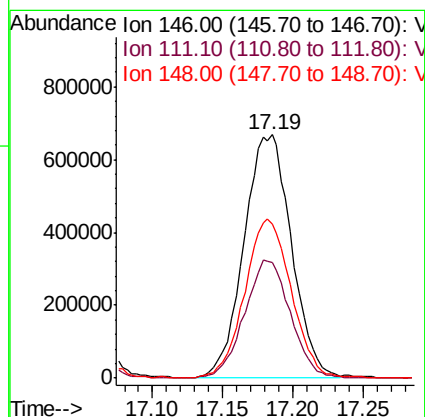
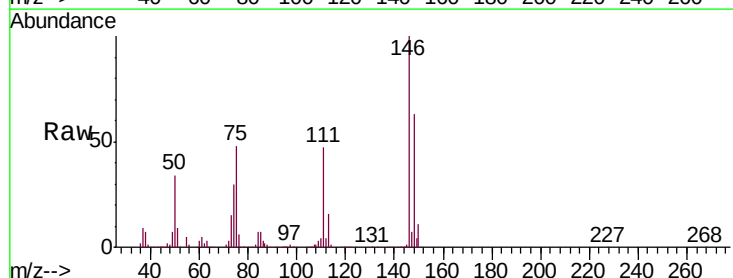
Tgt Ion:146 Resp: 1561486

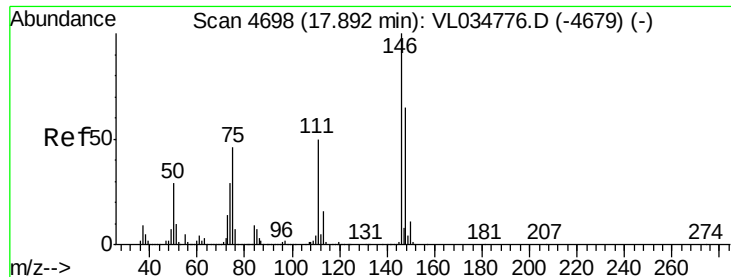
Ion Ratio Lower Upper

146 100

111 47.6 23.5 70.5

148 64.6 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.919 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

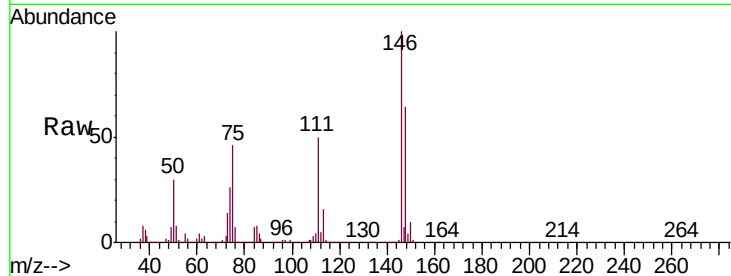
Tgt Ion:146 Resp: 1537258

Ion Ratio Lower Upper

146 100

111 49.8 25.3 75.8

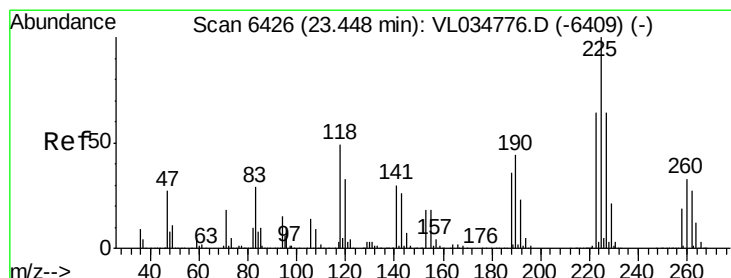
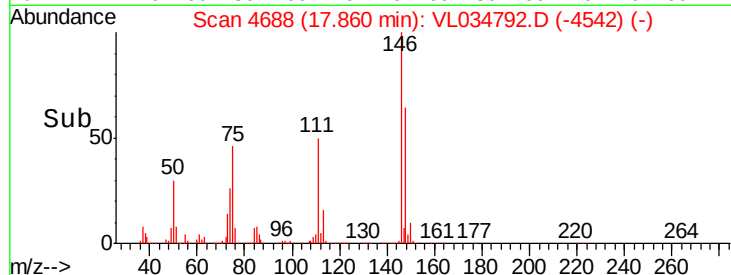
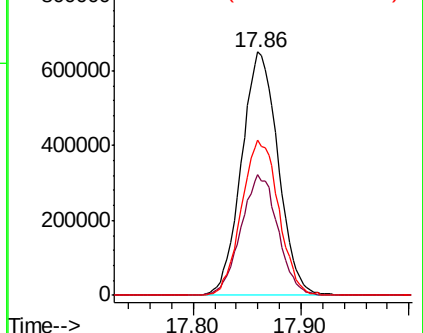
148 64.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.136 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

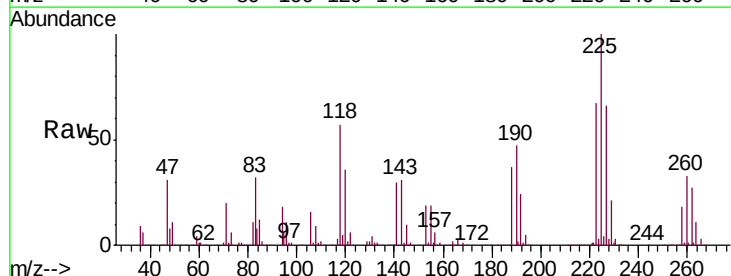
Tgt Ion:225 Resp: 1310886

Ion Ratio Lower Upper

225 100

223 63.8 51.3 76.9

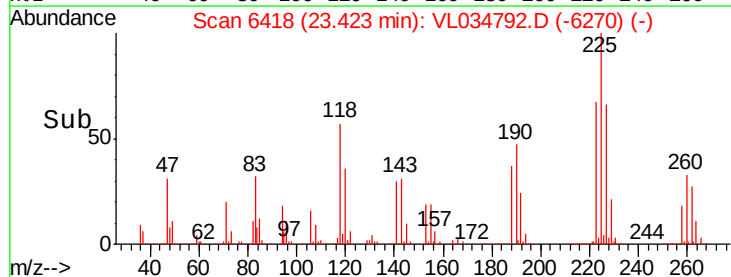
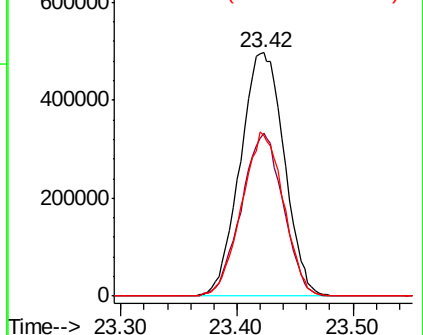
227 64.1 51.9 77.9

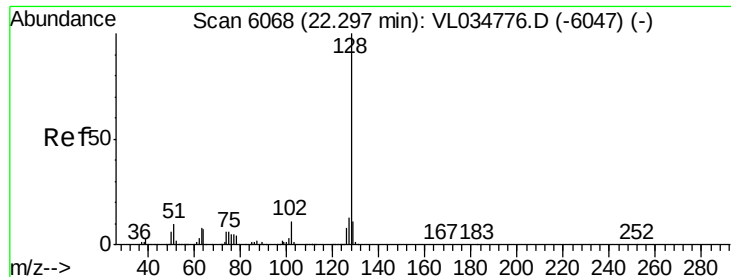


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.349 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. -0.04 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

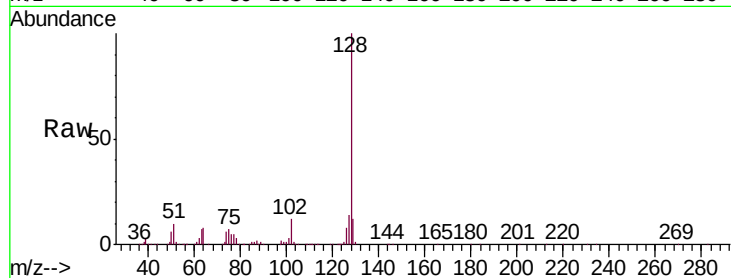
Tgt Ion:128 Resp: 2539599

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

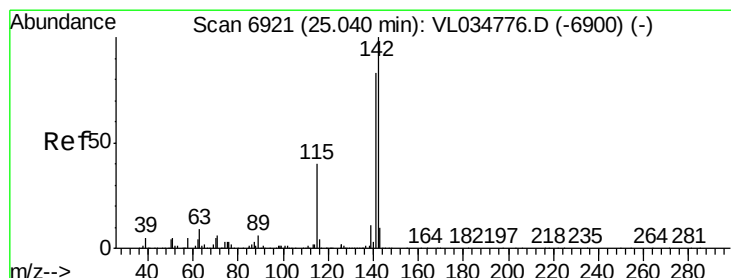
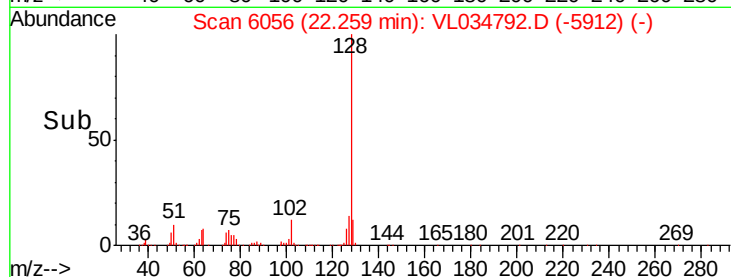
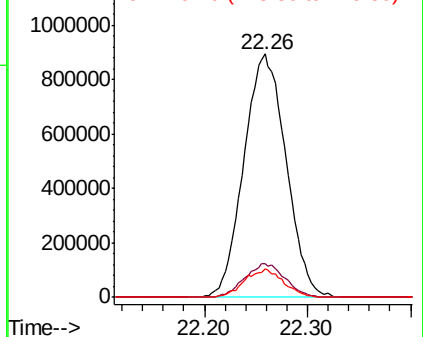
129 11.9 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 21.420 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

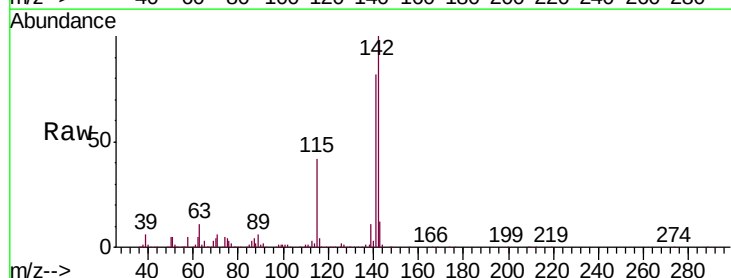
Tgt Ion:142 Resp: 1052147

Ion Ratio Lower Upper

142 100

141 84.0 67.7 101.5

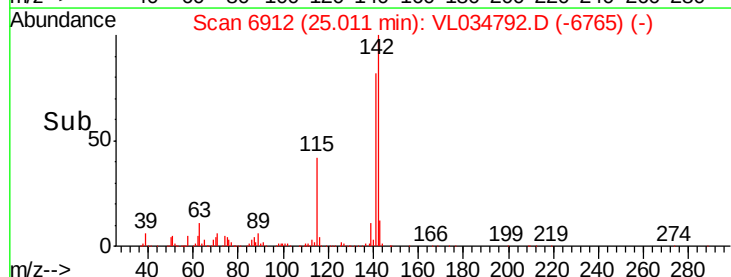
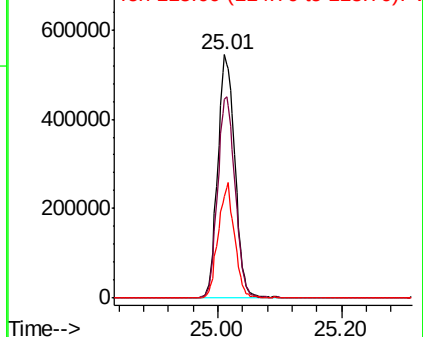
115 44.7 30.7 46.1

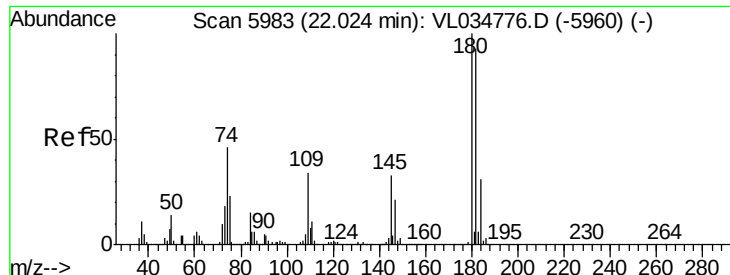


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

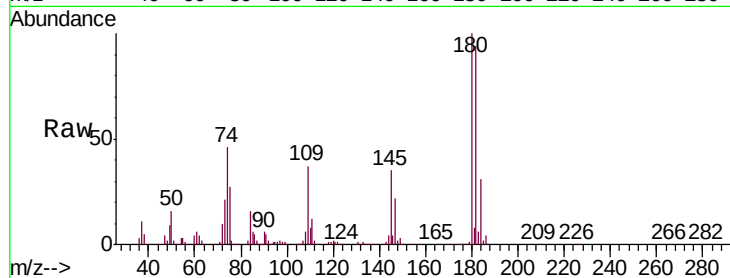




#81
 1,2,4-Trichlorobenzene
 Concen: 11.220 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.04 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tgt Ion:180 Resp: 1458682
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.8 115.2
 184 30.9 24.8 37.2



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

