

Data File : VL034839.D
Acq On : 7 Mar 2020 10:24
Operator : SY/AP
Sample : VSTDCCC010EC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Mar 07 13:02:53 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	848589	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	1975365	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2478706	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1571674	7.60	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1339545	9.673	ppbv	98
3) Chlorodifluoromethane	2.95	51	868511	8.983	ppbv	98
4) Chloromethane	3.10	50	509840	9.791	ppbv	100
5) Vinyl Chloride	3.22	62	493430	8.970	ppbv	98
6) Bromomethane	3.44	94	290210	9.666	ppbv	99
7) Chloroethane	3.52	64	178671	9.393	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1093559	9.090	ppbv	91
9) Propene	2.97	41	416700	10.950	ppbv	97
10) Heptane	8.13	43	1063198	10.994	ppbv	99
11) Trichlorofluoromethane	3.92	101	1114742	8.996	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	796587	9.317	ppbv	91
13) Ethanol	3.57	45	95734	7.342	ppbv	98
14) Bromoethene	3.71	108	358492	10.218	ppbv	98
15) Acetone	3.82	43	997970	9.821	ppbv	100
16) 1,3-Butadiene	3.29	39	464869	10.111	ppbv	100
17) tert-Butyl alcohol	4.27	59	822492	10.265	ppbv	99
18) 1,1-Dichloroethene	4.26	96	369675	9.804	ppbv	97
19) Isopropyl Alcohol	3.94	45	535393	8.793	ppbv	# 1
20) Methylene Chloride	4.32	84	313771	8.652	ppbv	94
21) Allyl Chloride	4.39	41	683635	10.623	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	374201	10.166	ppbv	98
23) Vinyl Acetate	5.06	43	1577159	11.574	ppbv	98
24) 1,1-Dichloroethane	5.00	63	997091	9.428	ppbv	99
25) Ethyl Acetate	5.66	43	1786828	10.175	ppbv	99
26) Hexane	5.67	57	792228	10.327	ppbv	98
27) Carbon Disulfide	4.53	76	977204	10.904	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1347606	11.802	ppbv	100
29) Chloroform	5.74	83	1157315	8.962	ppbv	100
30) Cyclohexane	7.13	84	674111	11.486	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	817240	10.386	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1195289	9.367	ppbv	97
34) 2-Butanone	5.23	43	1202973	9.361	ppbv	100
35) Carbon Tetrachloride	7.02	117	1218165	8.173	ppbv	97
36) Benzene	6.89	78	1621398	9.606	ppbv	99
37) 1,2-Dichloroethane	6.30	62	908071	7.876	ppbv	98
38) Trichloroethene	7.84	130	622655	9.465	ppbv	92
39) 1,2-Dichloropropane	7.62	63	635740	9.333	ppbv	97
40) 1,4-Dioxane	7.84	88	201279	8.543	ppbv	# 94
41) Tetrahydrofuran	6.04	42	682355	10.406	ppbv	97
42) Bromodichloromethane	7.80	83	1274946	8.740	ppbv	100
43) Methyl Methacrylate	8.02	69	715880	10.008	ppbv	97

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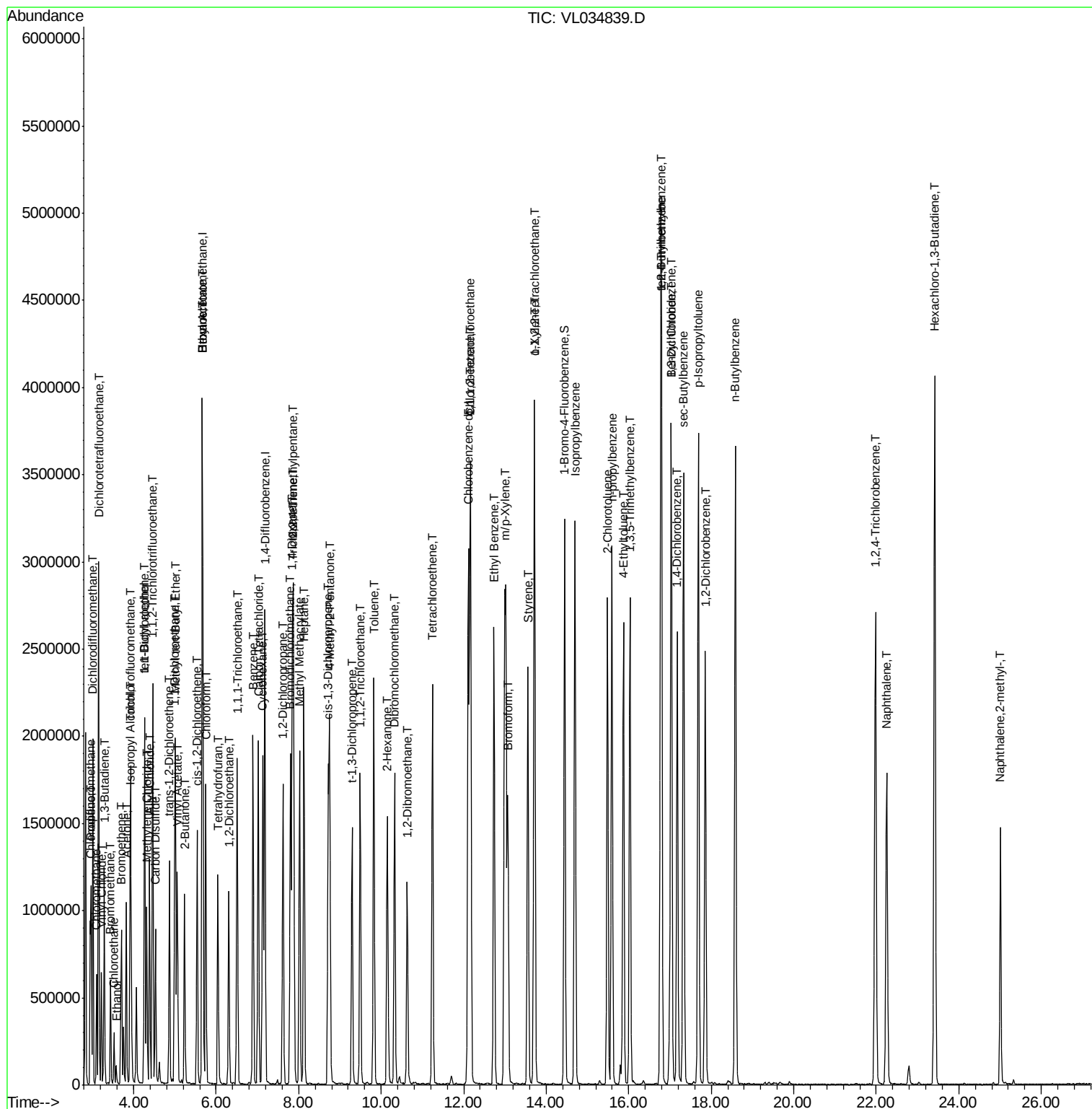
Quant Time: Mar 07 13:02:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
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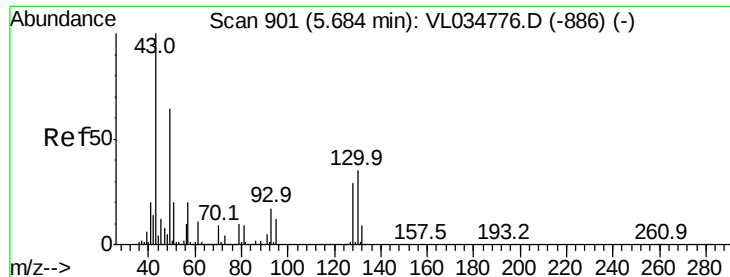
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2724810	9.237	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	896540	11.939	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1026027	11.190	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	651675	9.061	ppbv	98
48) Dibromochloromethane	10.32	129	1117749	9.939	ppbv	99
49) Bromoform	13.07	173	498661	5.081	ppbv #	27
50) 4-Methyl-2-Pentanone	8.75	43	1754516	9.528	ppbv	99
51) 2-Hexanone	10.15	43	1438177	9.956	ppbv #	99
52) Tetrachloroethene	11.25	164	593480	9.517	ppbv	97
53) Toluene	9.82	91	1887525	10.566	ppbv	100
54) 1,2-Dibromoethane	10.63	107	987522	9.286	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	829798	7.555	ppbv #	61
57) Chlorobenzene	12.17	112	1378101	7.278	ppbv	99
58) Ethyl Benzene	12.73	91	2466092	8.073	ppbv	98
59) m/p-Xylene	13.02	91	1897310	7.175	ppbv #	19
60) o-Xylene	13.72	91	1945877	7.273	ppbv	98
61) Styrene	13.55	104	1488193	8.967	ppbv	96
62) Isopropylbenzene	14.70	105	2958786	7.514	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1304053	6.183	ppbv	99
64) n-propylbenzene	15.60	120	774480	7.845	ppbv	92
65) tert-Butylbenzene	16.78	119	2558028	7.687	ppbv	95
66) Benzyl Chloride	17.02	91	1356140	12.606	ppbv	95
67) sec-Butylbenzene	17.33	105	3607438	7.440	ppbv	100
69) p-Isopropyltoluene	17.69	119	3068342	7.819	ppbv	97
70) n-Butylbenzene	18.59	91	3123346	7.279	ppbv	99
71) 2-Chlorotoluene	15.49	91	2222909	7.475	ppbv	97
72) 4-Ethyltoluene	15.87	105	2363988	7.936	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	2210864	7.738	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	2270990	7.311	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	1335639	7.264	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	1354350	7.697	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1330071	7.562	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1211041	8.250	ppbv	99
79) Naphthalene	22.26	128	2376712	10.182	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	844086	15.140	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	814043	5.517	ppbv #	16

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

ALS Vial : 1 Sample Multiplier: 1

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

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VSTDCCC010EC

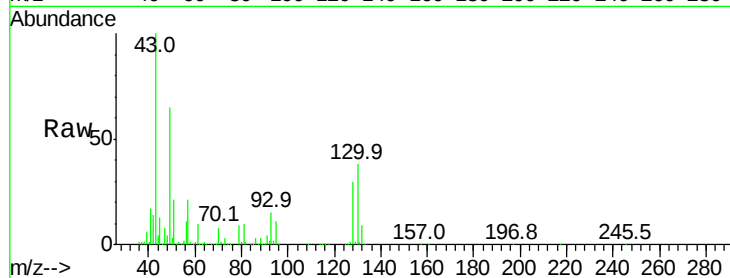
Tgt Ion: 49 Resp: 848589

Ion Ratio Lower Upper

49 100

128 46.3 21.6 64.6

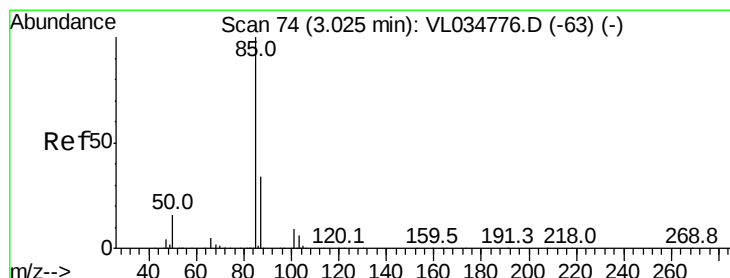
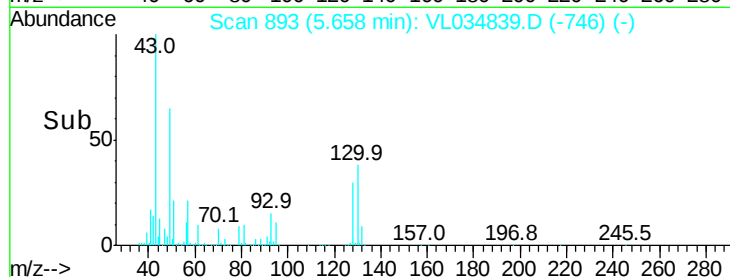
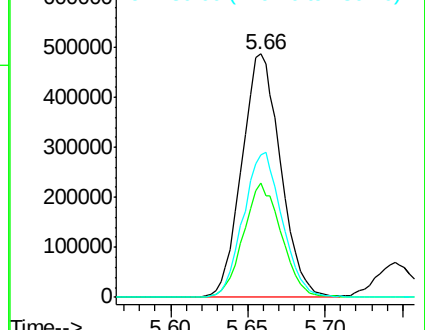
130 60.0 27.4 82.2



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: 9.673 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.02 min

Lab File: VL034839.D

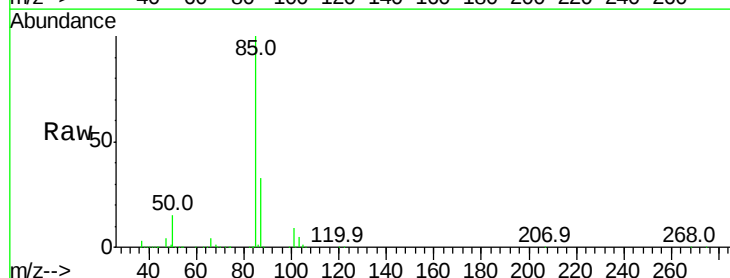
Acq: 7 Mar 2020 10:24

Tgt Ion: 85 Resp: 1339545

Ion Ratio Lower Upper

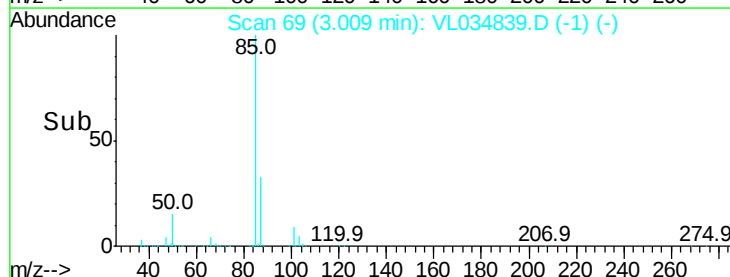
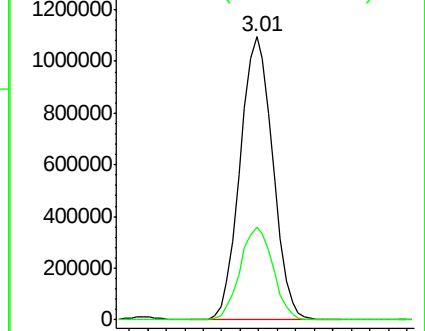
85 100

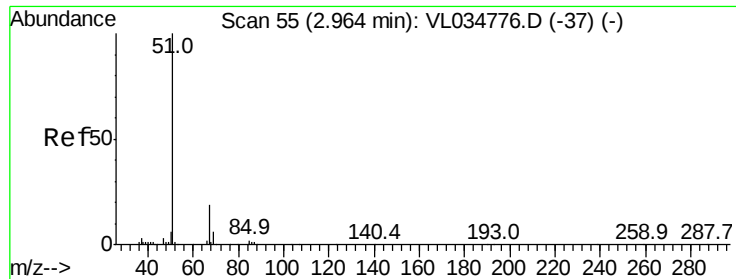
87 32.7 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.983 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

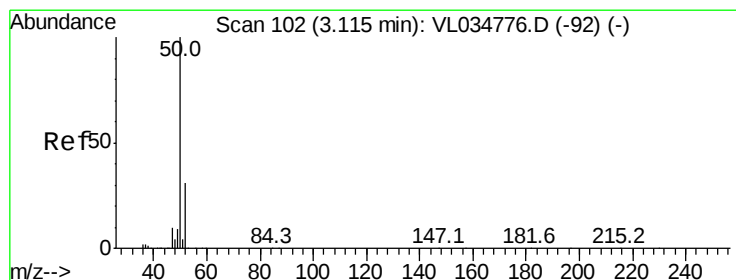
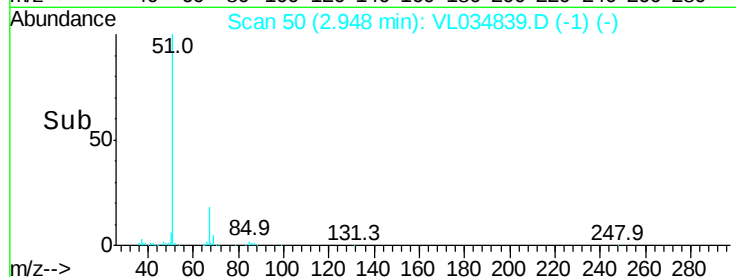
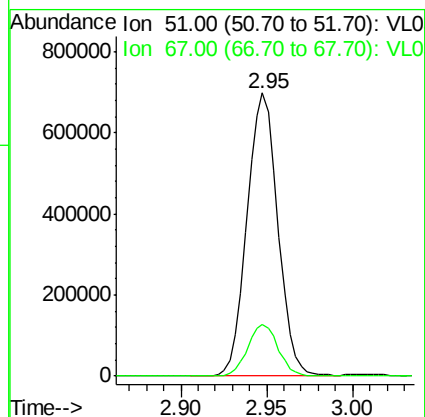
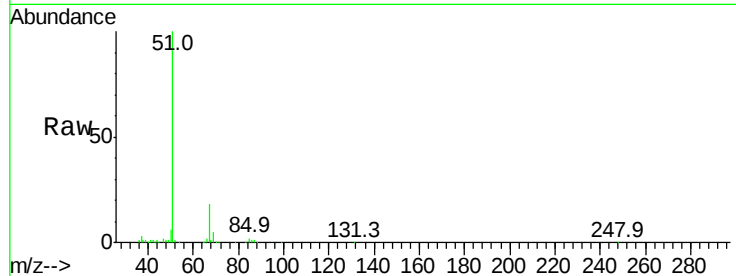
VSTDCCC010EC

Tgt Ion: 51 Resp: 868511

Ion Ratio Lower Upper

51 100

67 18.3 15.3 22.9



#4

Chloromethane

Concen: 9.791 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.01 min

Lab File: VL034839.D

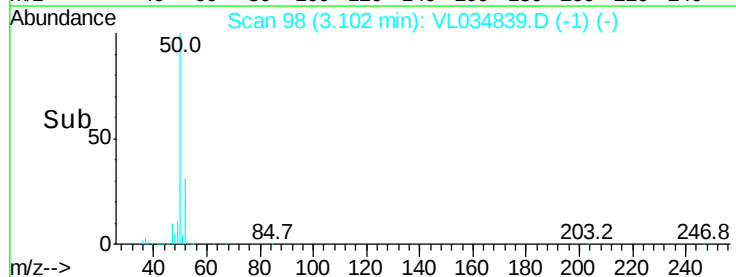
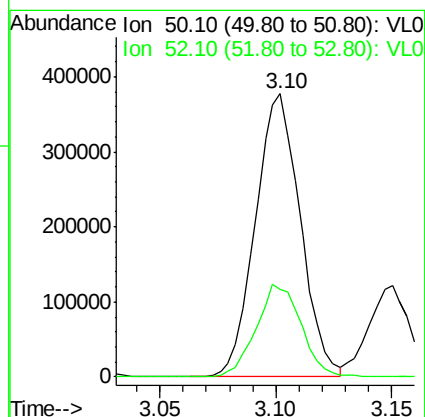
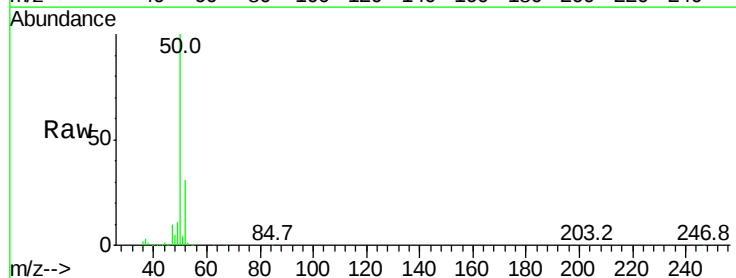
Acq: 7 Mar 2020 10:24

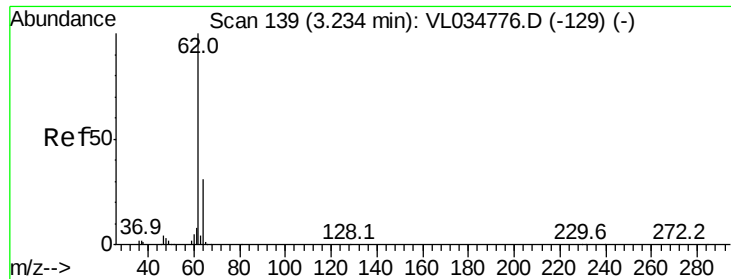
Tgt Ion: 50 Resp: 509840

Ion Ratio Lower Upper

50 100

52 31.1 25.0 37.4





#5

Vinyl Chloride

Concen: 8.970 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

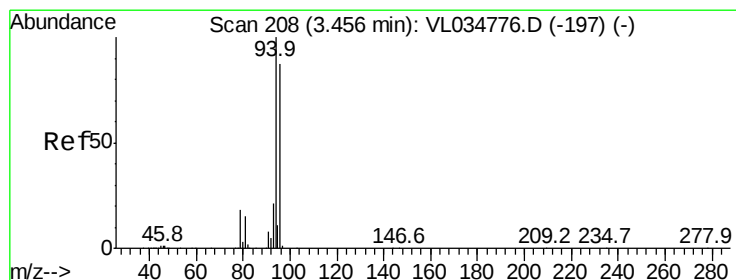
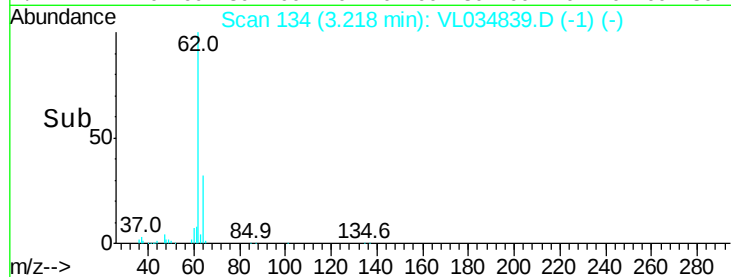
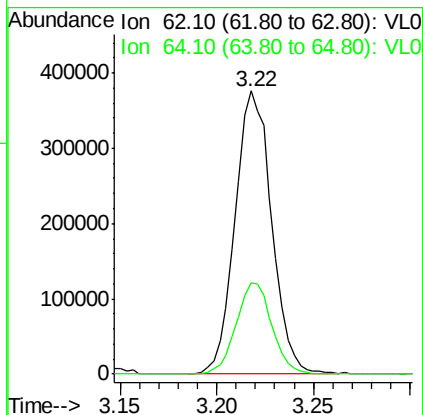
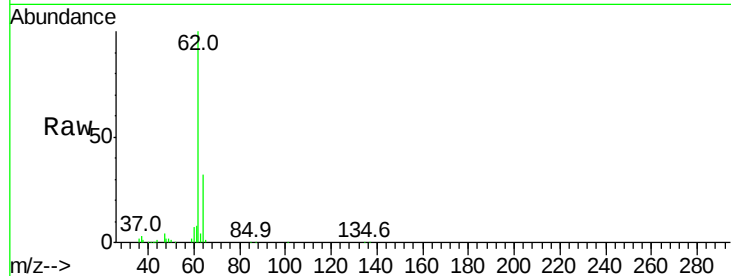
VSTDCCC010EC

Tgt Ion: 62 Resp: 493430

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7



#6

Bromomethane

Concen: 9.666 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL034839.D

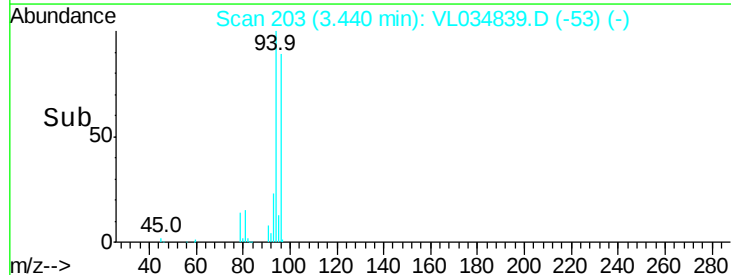
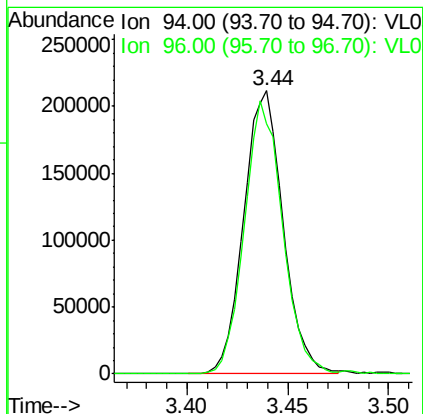
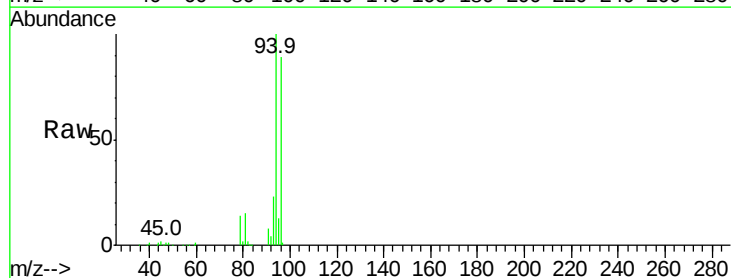
Acq: 7 Mar 2020 10:24

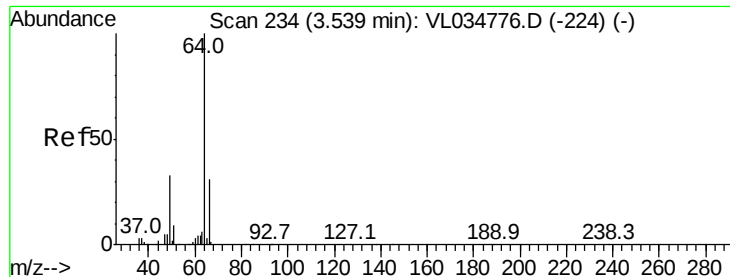
Tgt Ion: 94 Resp: 290210

Ion Ratio Lower Upper

94 100

96 88.5 70.0 105.0





#7

Chloroethane

Concen: 9.393 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

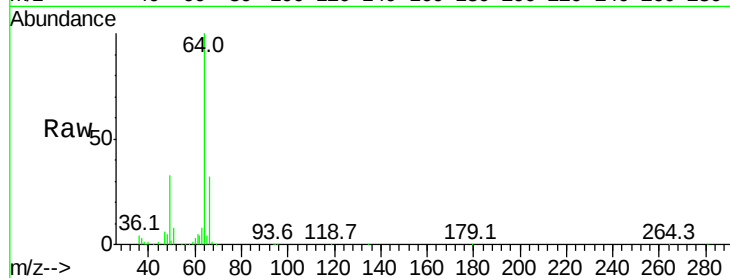
VSTDCCC010EC

Tgt Ion: 64 Resp: 178671

Ion Ratio Lower Upper

64 100

66 32.1 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

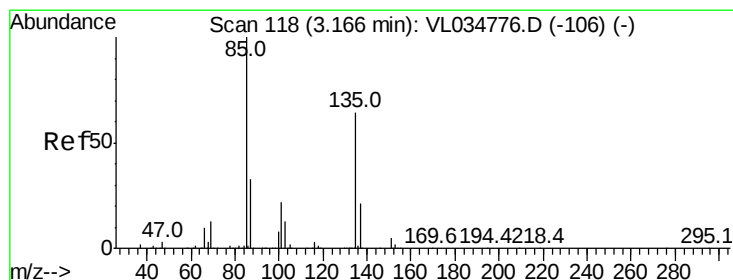
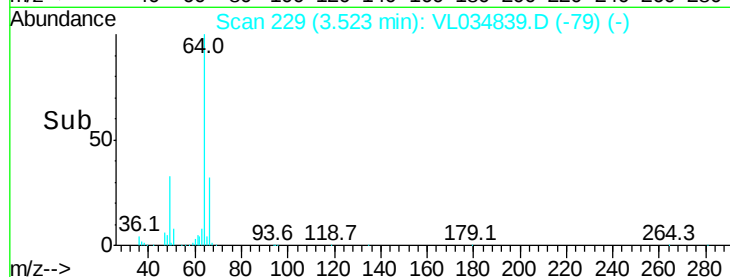
100000

50000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.090 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.02 min

Lab File: VL034839.D

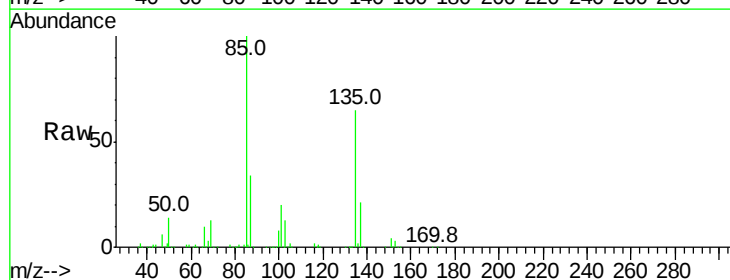
Acq: 7 Mar 2020 10:24

Tgt Ion: 85 Resp: 1093559

Ion Ratio Lower Upper

85 100

135 68.6 49.4 74.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

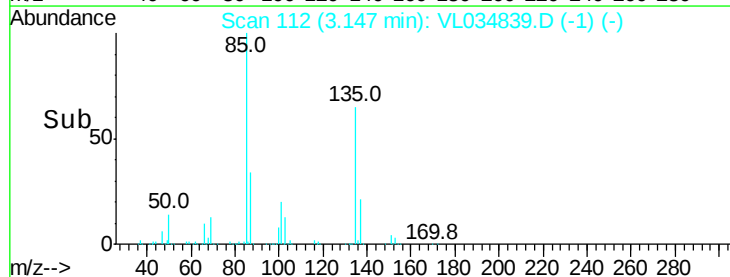
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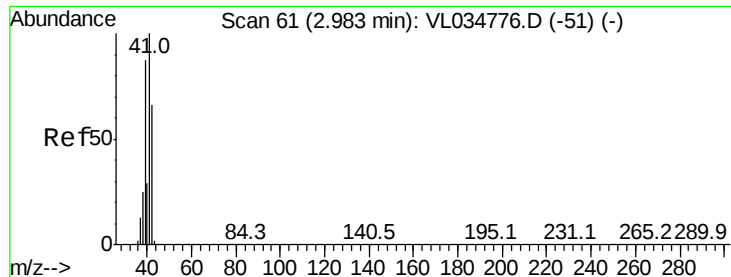
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0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 10.950 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

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ClientSampleId :

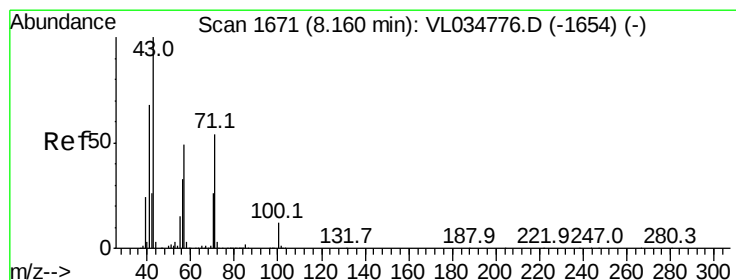
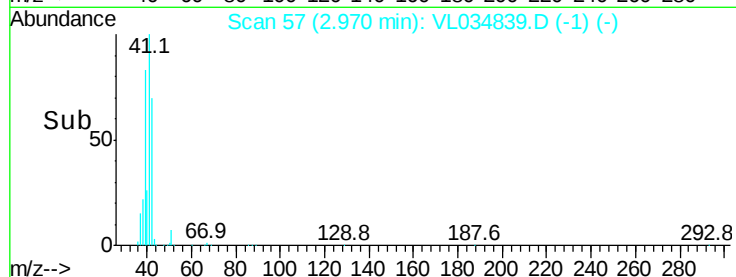
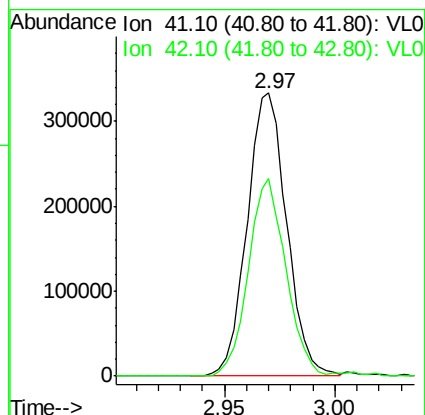
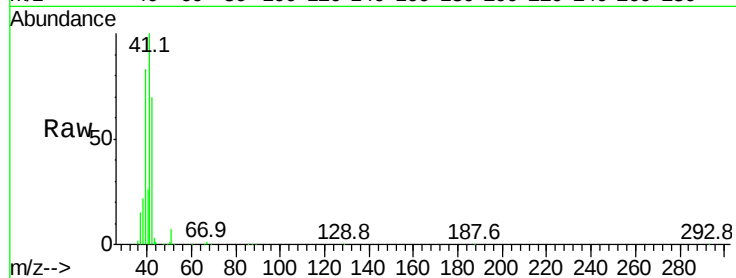
VSTDCCC010EC

Tgt Ion: 41 Resp: 416700

Ion Ratio Lower Upper

41 100

42 67.2 55.6 83.4



#10

Heptane

Concen: 10.994 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.03 min

Lab File: VL034839.D

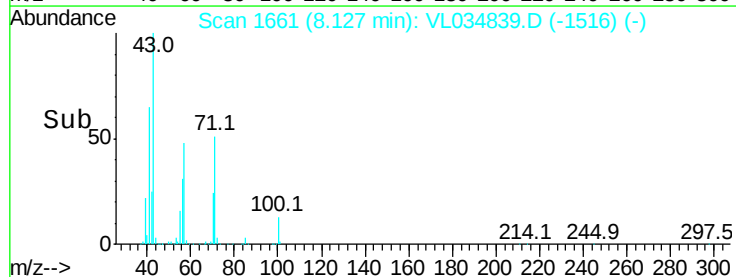
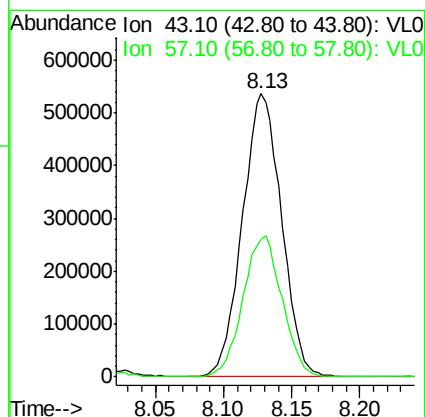
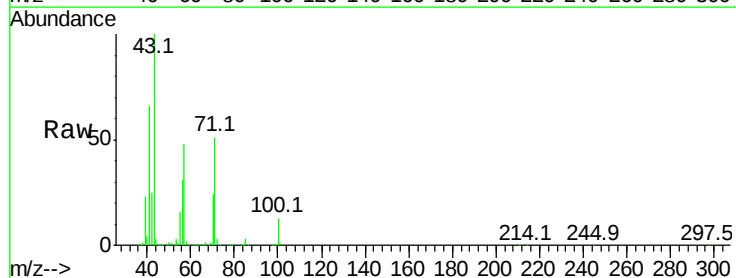
Acq: 7 Mar 2020 10:24

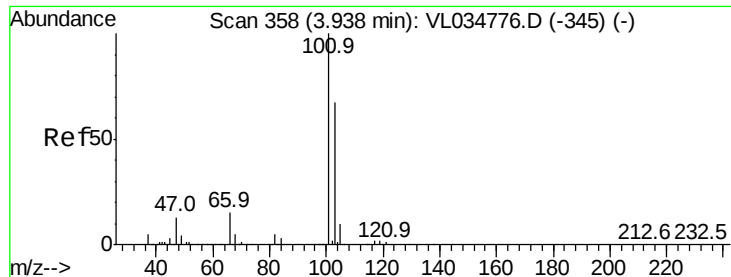
Tgt Ion: 43 Resp: 1063198

Ion Ratio Lower Upper

43 100

57 50.0 40.5 60.7

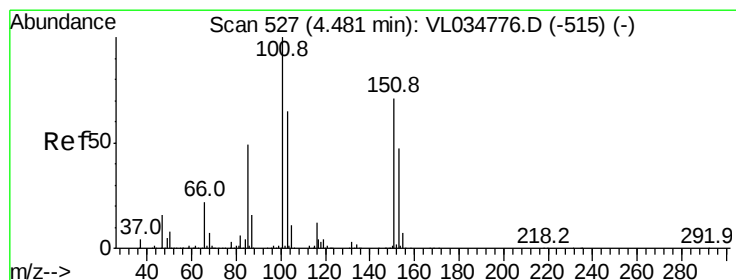
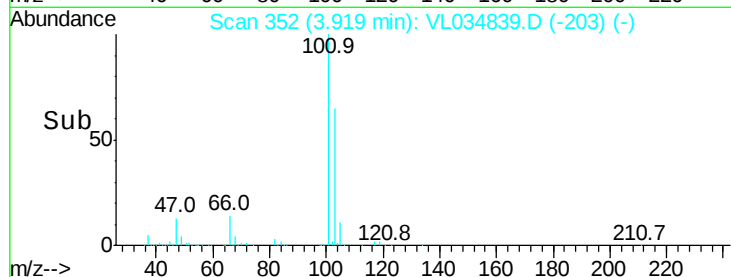
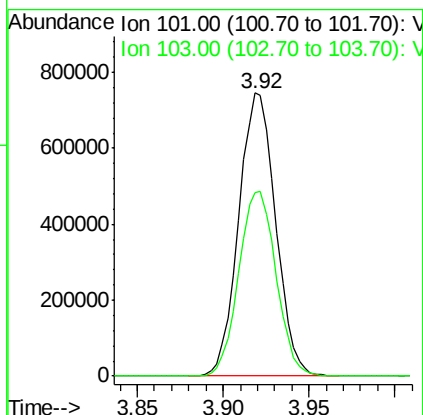
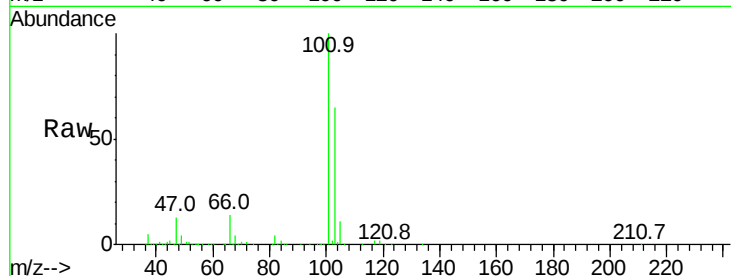




#11
 Trichlorofluoromethane
 Concen: 8.996 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

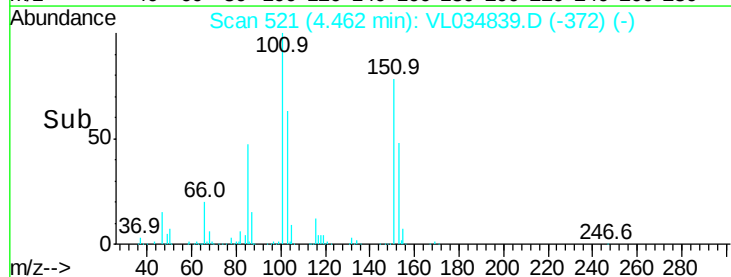
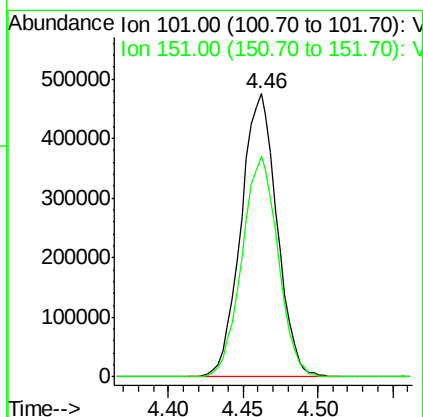
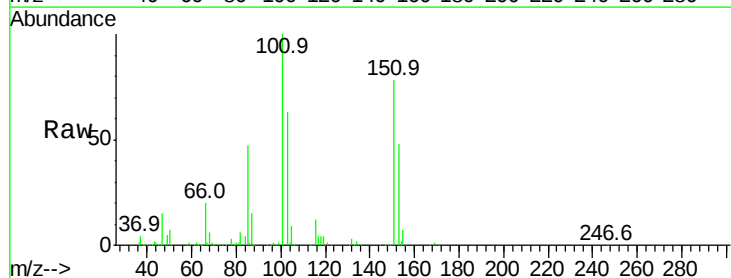
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

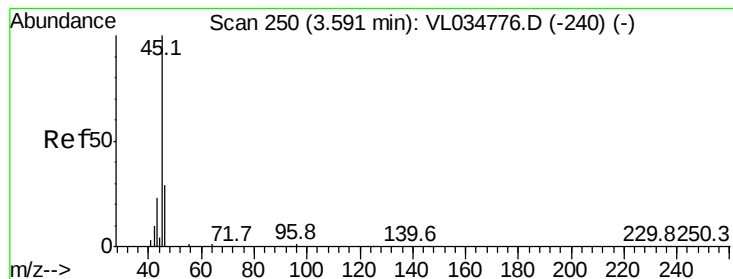
Tgt Ion:101 Resp: 1114742
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.6 80.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.317 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion:101 Resp: 796587
 Ion Ratio Lower Upper
 101 100
 151 78.3 56.6 85.0





#13

Ethanol

Concen: 7.342 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

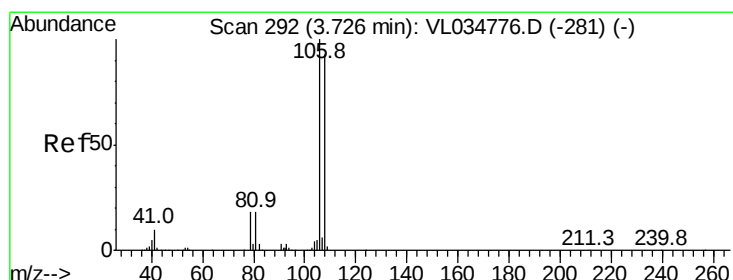
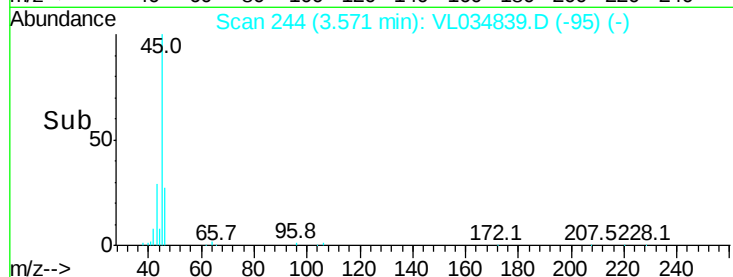
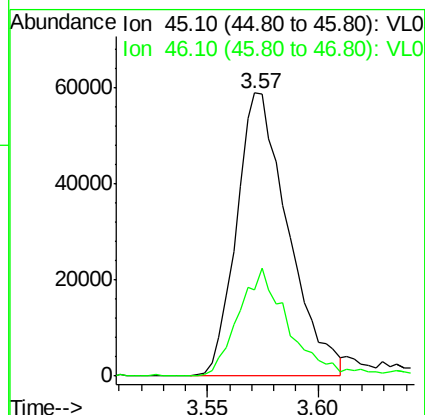
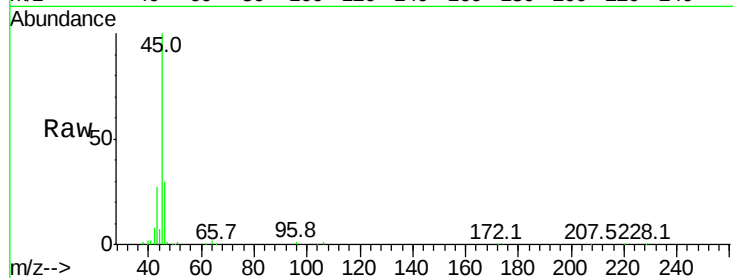
VSTDCCC010EC

Tgt Ion: 45 Resp: 95734

Ion Ratio Lower Upper

45 100

46 38.1 14.7 58.9



#14

Bromoethene

Concen: 10.218 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

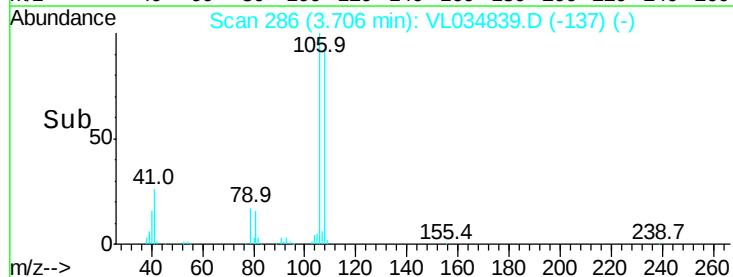
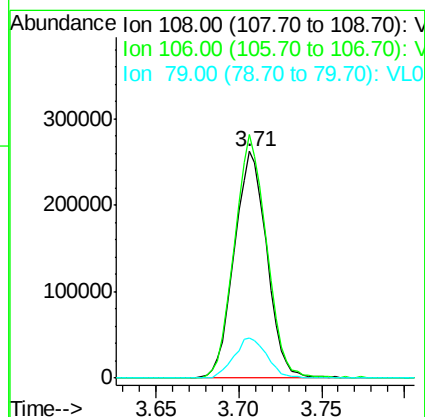
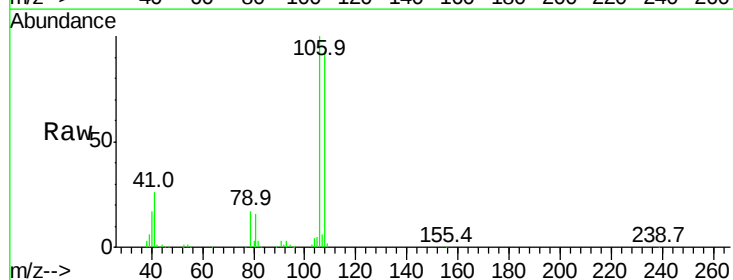
Tgt Ion: 108 Resp: 358492

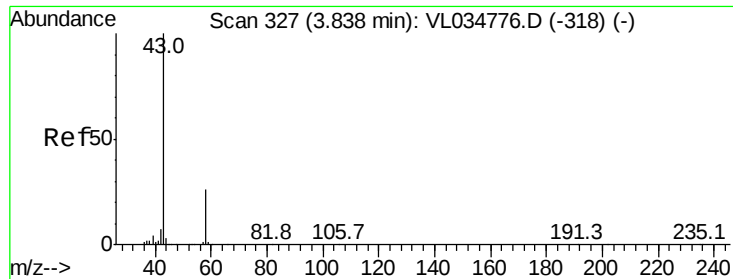
Ion Ratio Lower Upper

108 100

106 106.5 83.5 125.3

79 18.3 15.6 23.4





#15

Acetone

Concen: 9.821 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

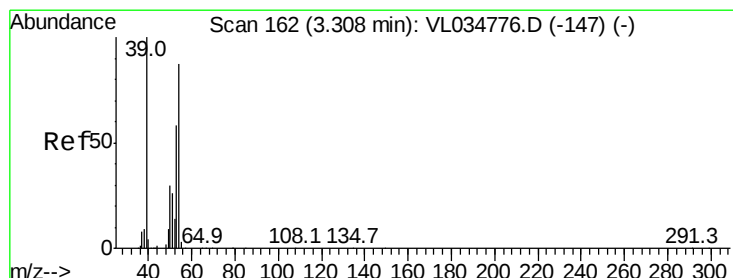
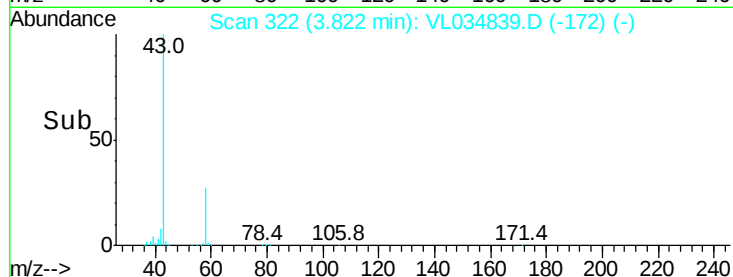
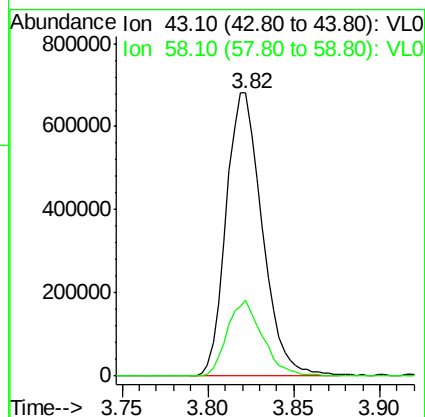
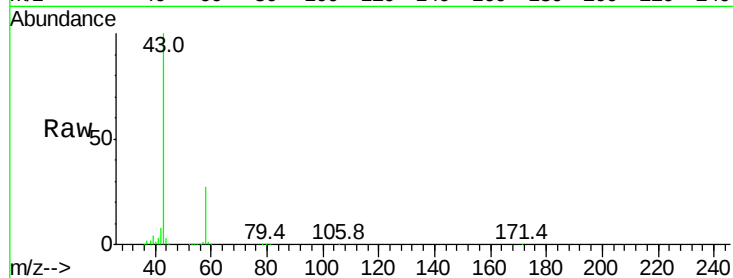
VSTDCCC010EC

Tgt Ion: 43 Resp: 997970

Ion Ratio Lower Upper

43 100

58 26.3 21.0 31.6



#16

1,3-Butadiene

Concen: 10.111 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.02 min

Lab File: VL034839.D

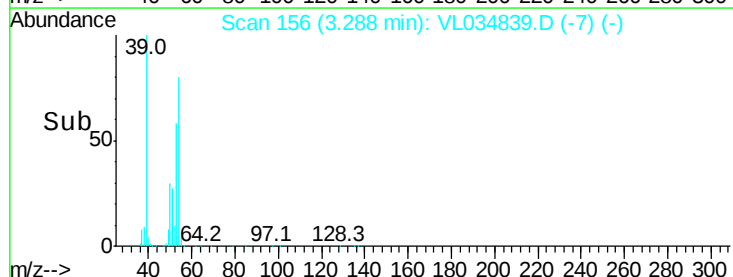
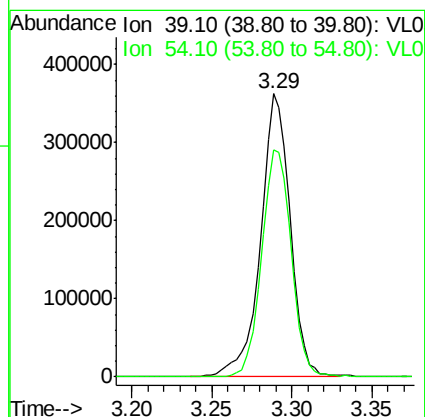
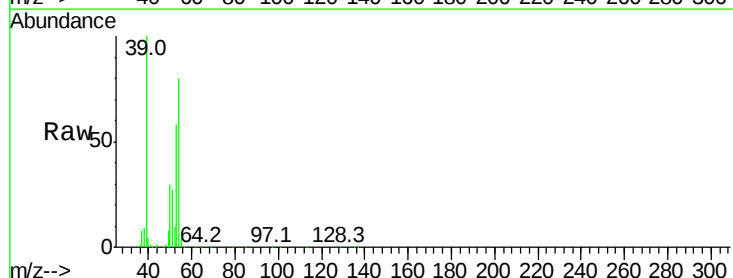
Acq: 7 Mar 2020 10:24

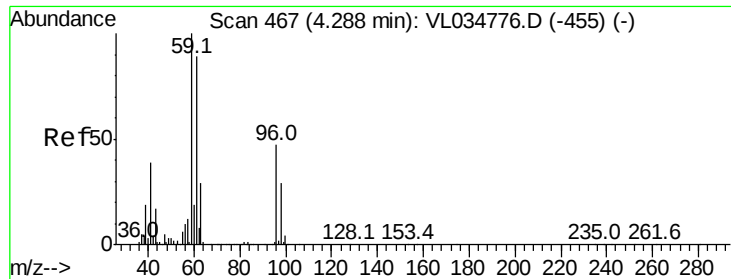
Tgt Ion: 39 Resp: 464869

Ion Ratio Lower Upper

39 100

54 80.4 64.2 96.2



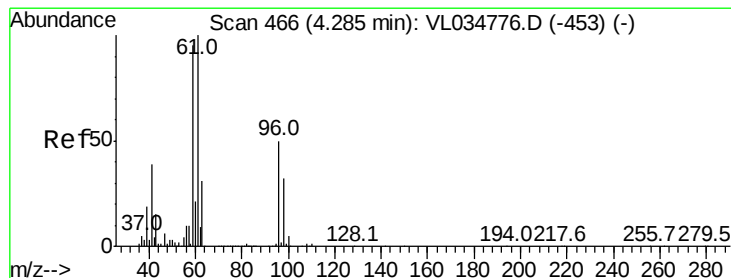
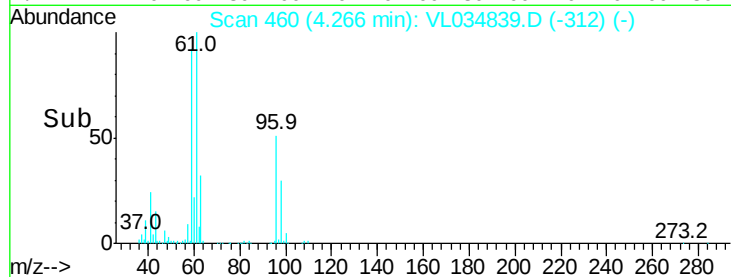
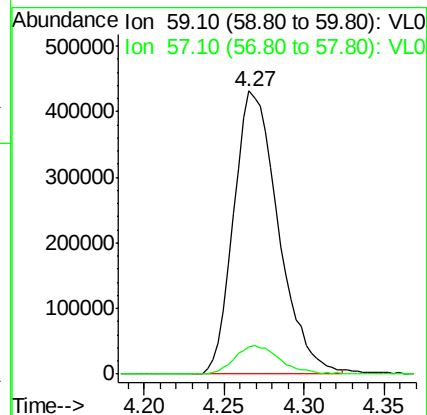
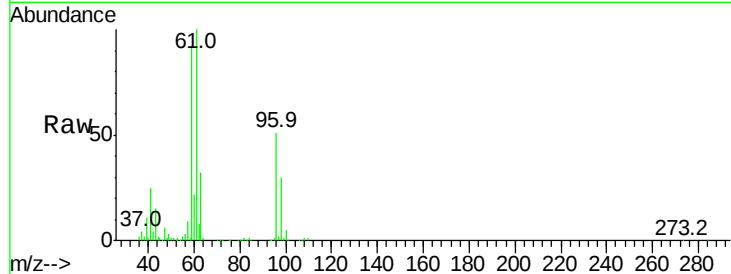


#17

tert-Butyl alcohol
 Concen: 10.265 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

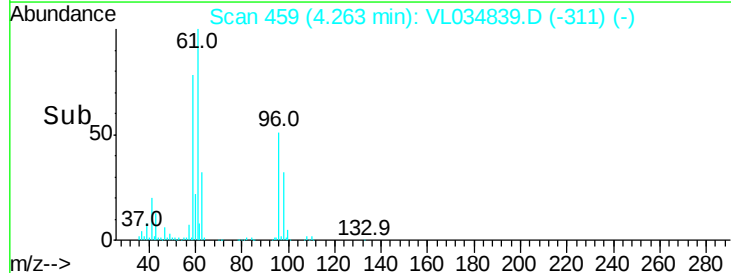
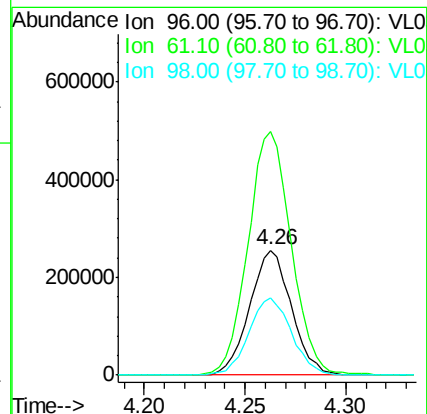
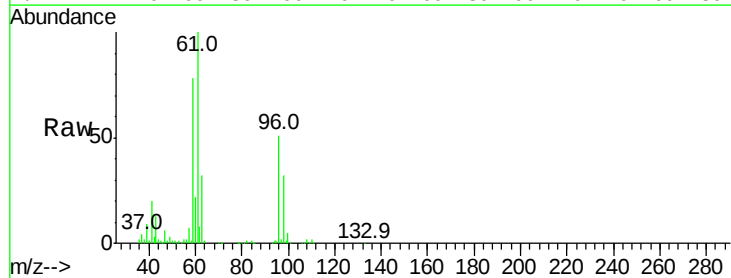
Tgt Ion: 59 Resp: 822492
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 13.0

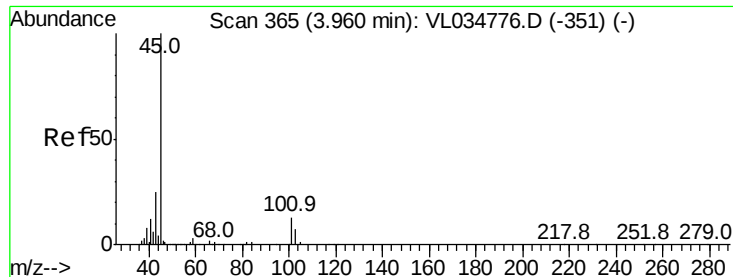


#18

1,1-Dichloroethene
 Concen: 9.804 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion: 96 Resp: 369675
 Ion Ratio Lower Upper
 96 100
 61 194.9 159.5 239.3
 98 62.3 51.1 76.7





#19

Isopropyl Alcohol

Concen: 8.793 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

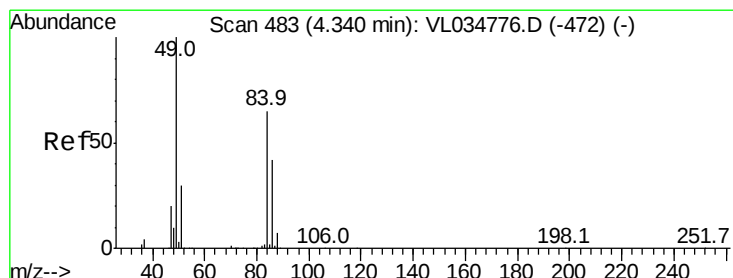
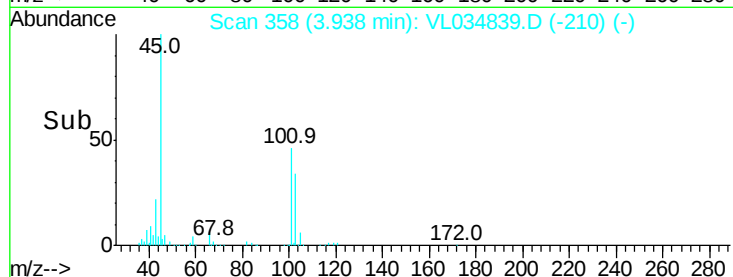
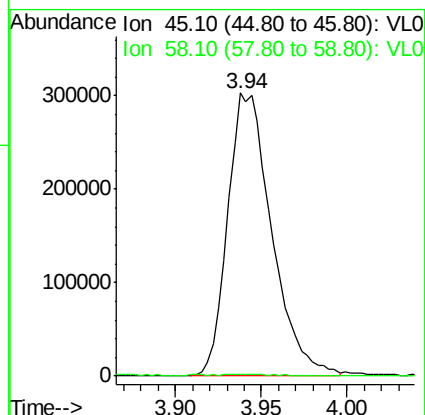
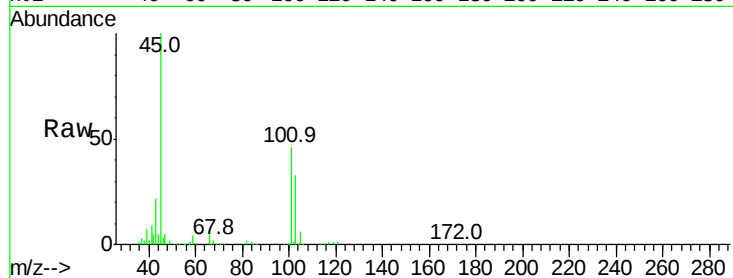
VSTDCCC010EC

Tgt Ion: 45 Resp: 535393

Ion Ratio Lower Upper

45 100

58 49.3 1.8 2.8#



#20

Methylene Chloride

Concen: 8.652 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 84 Resp: 313771

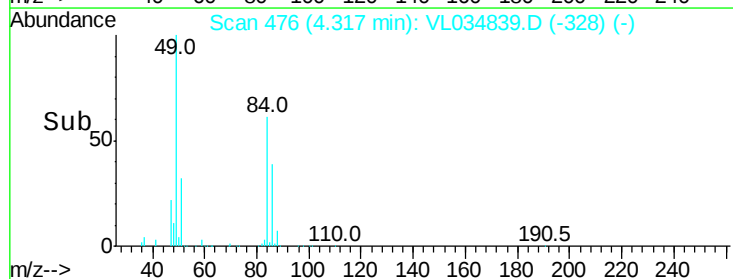
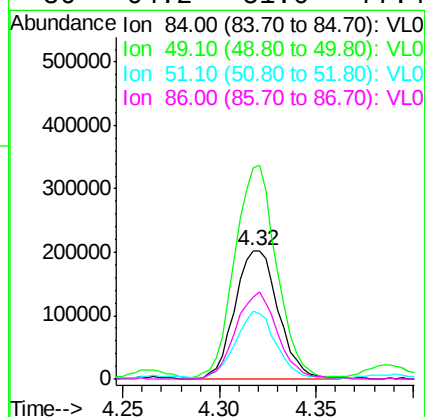
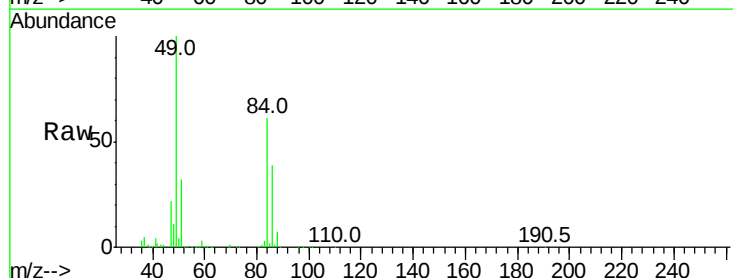
Ion Ratio Lower Upper

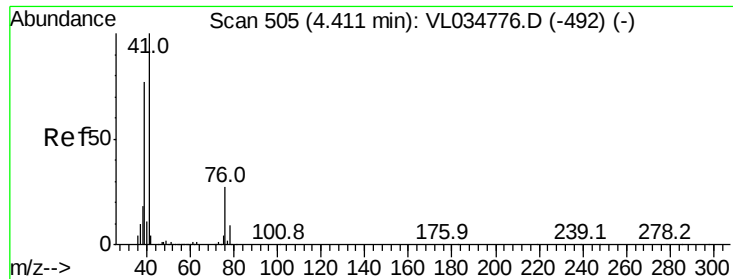
84 100

49 163.6 123.2 184.8

51 52.6 37.4 56.2

86 64.2 51.6 77.4

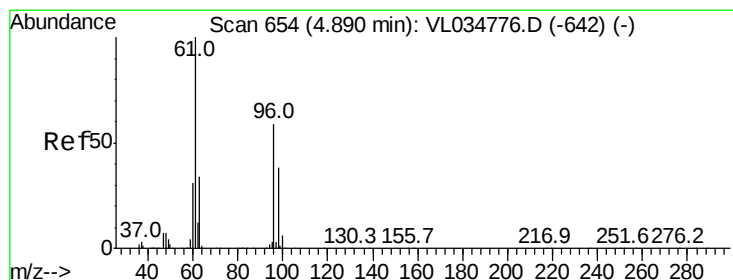
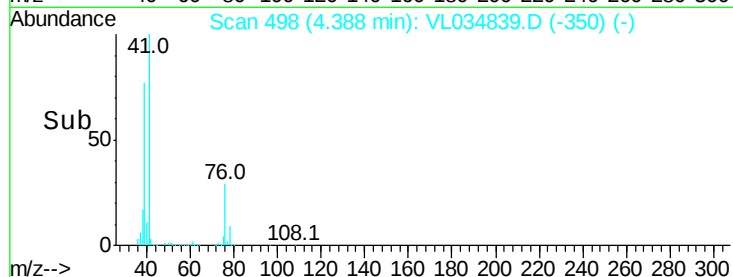
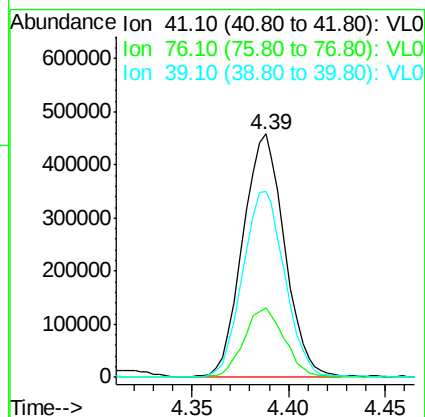
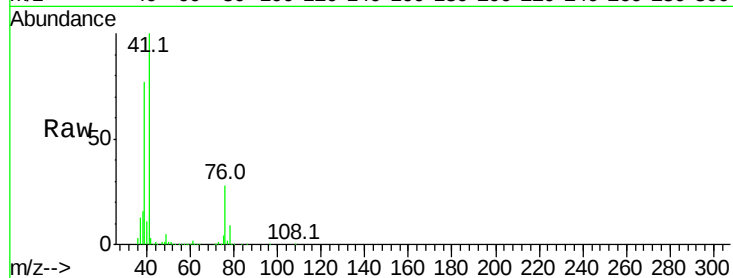




#21
 Allyl Chloride
 Concen: 10.623 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

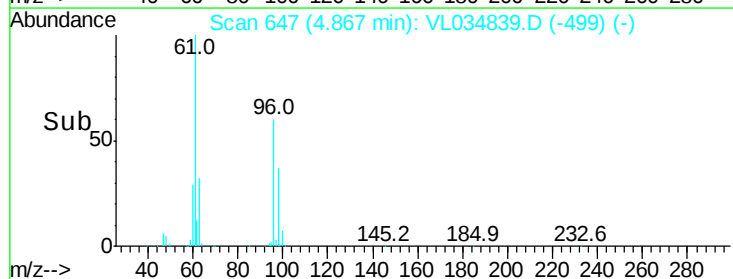
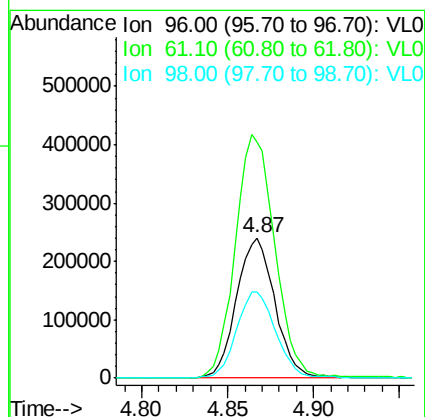
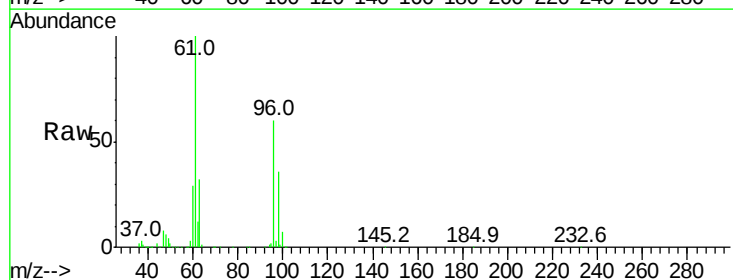
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

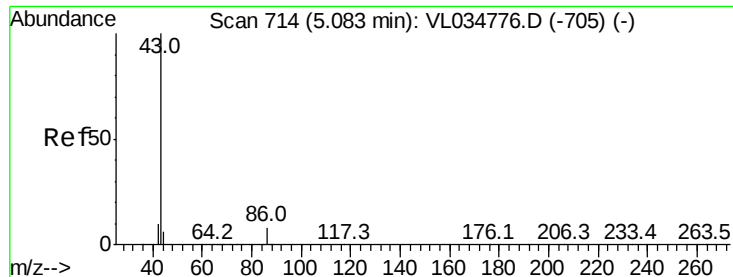
Tgt Ion: 41 Resp: 683635
 Ion Ratio Lower Upper
 41 100
 76 28.0 22.5 33.7
 39 77.4 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.166 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion: 96 Resp: 374201
 Ion Ratio Lower Upper
 96 100
 61 167.5 135.2 202.8
 98 60.9 50.8 76.2



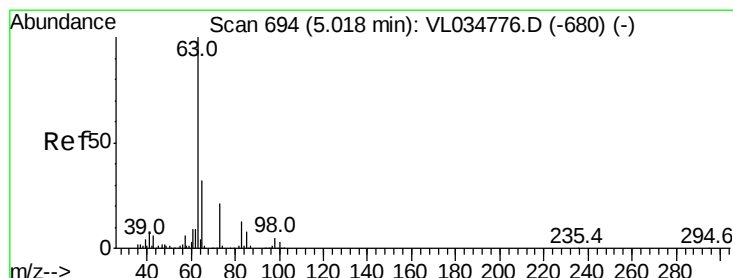
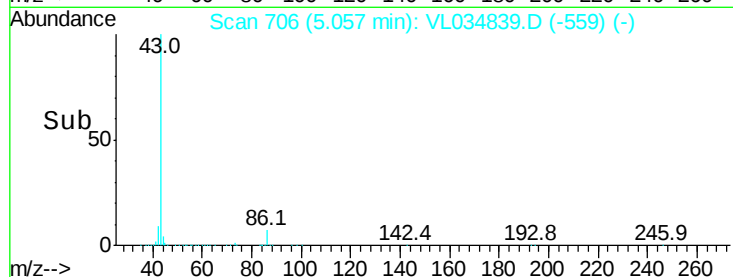
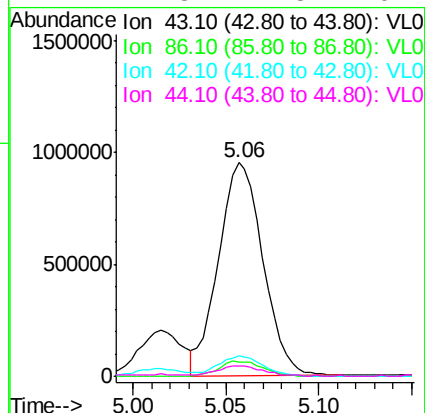
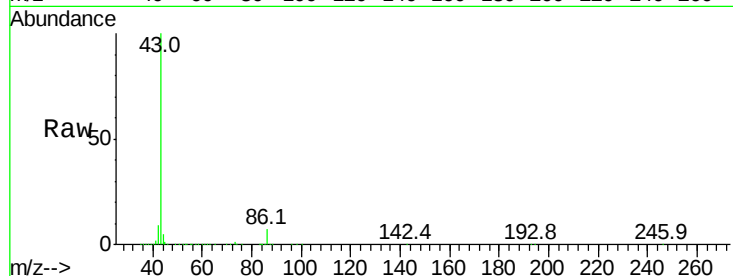


#23
 Vinyl Acetate
 Concen: 11.574 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1577159

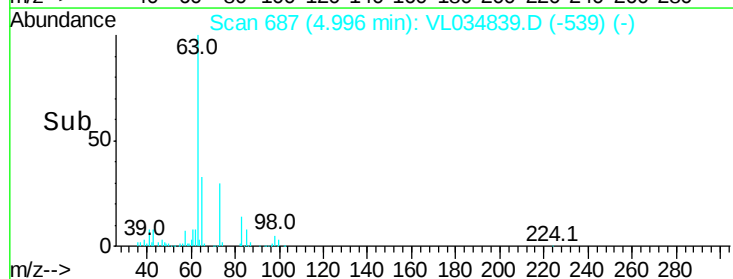
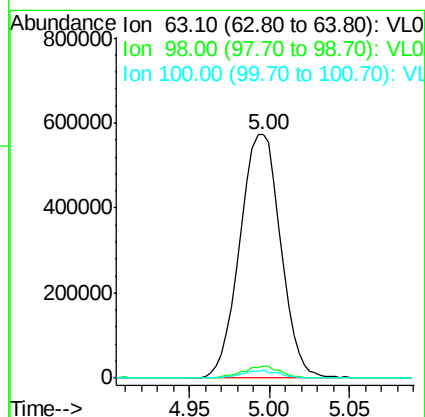
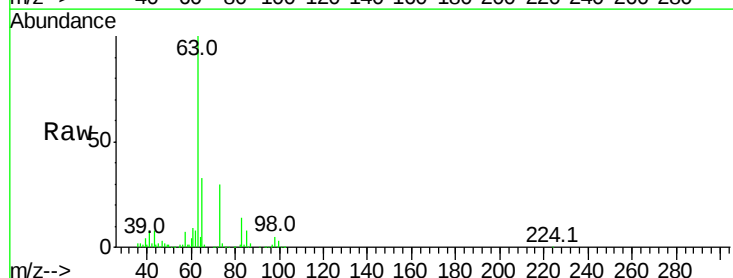
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.9	8.9
42	9.3	8.2	12.2
44	4.8	4.5	6.7

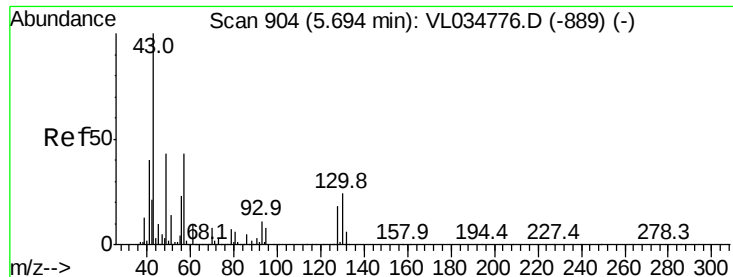


#24
 1,1-Dichloroethane
 Concen: 9.428 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion: 63 Resp: 997091

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.3	1.5	4.4





#25

Ethyl Acetate

Concen: 10.175 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1786828

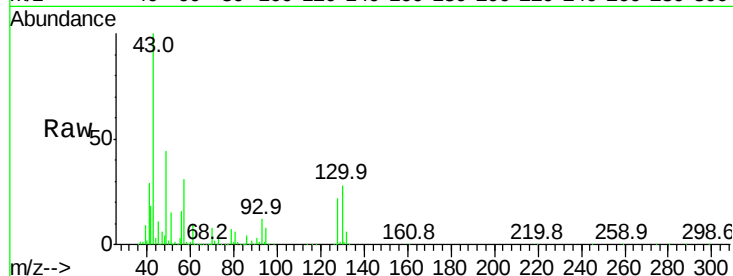
Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.4

61 9.3 7.5 11.3

70 7.0 6.0 9.0

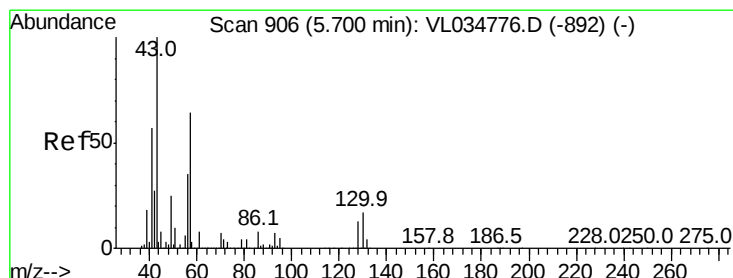
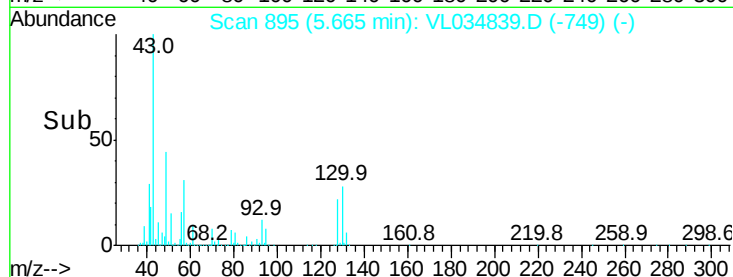
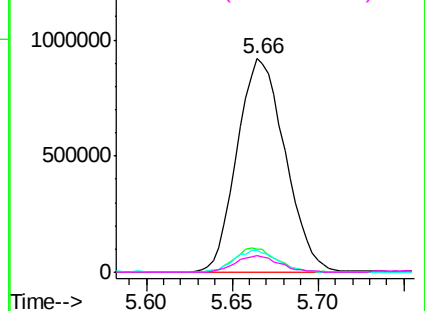


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.327 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 57 Resp: 792228

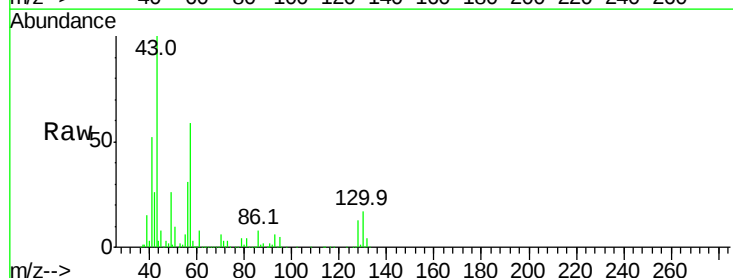
Ion Ratio Lower Upper

57 100

41 89.4 72.0 108.0

43 227.6 179.1 268.7

56 52.1 42.6 63.8

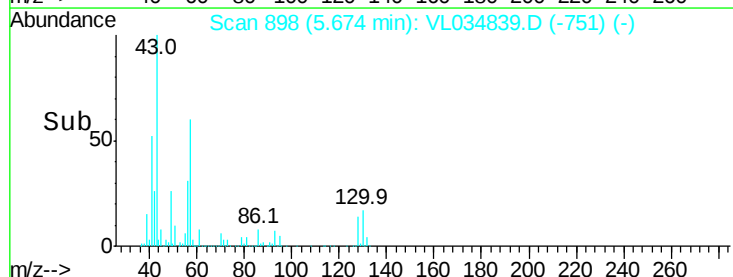
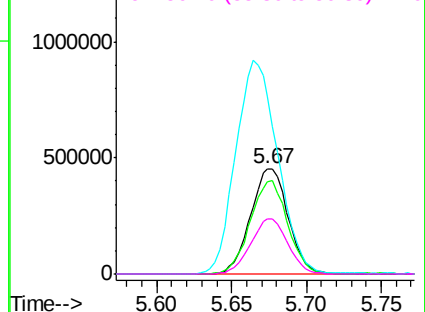


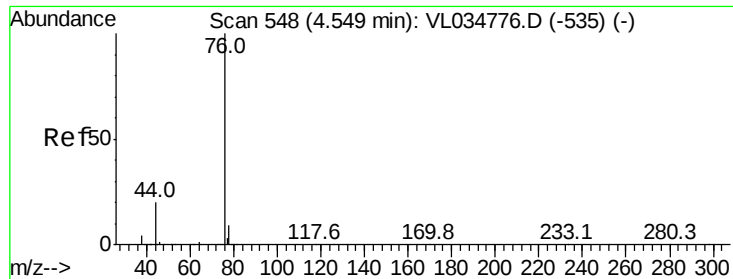
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.904 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

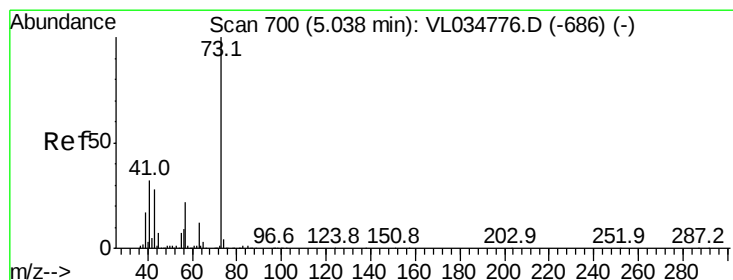
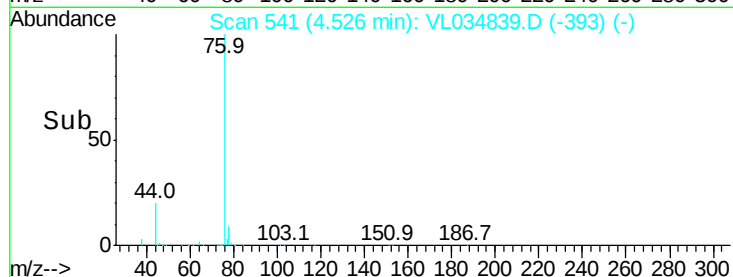
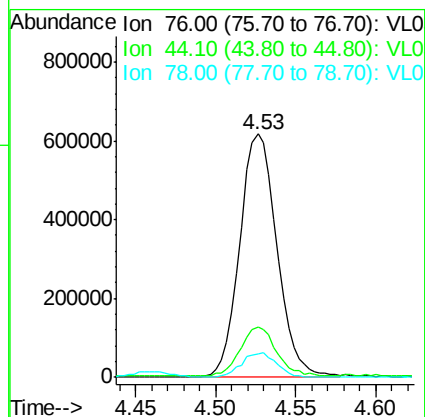
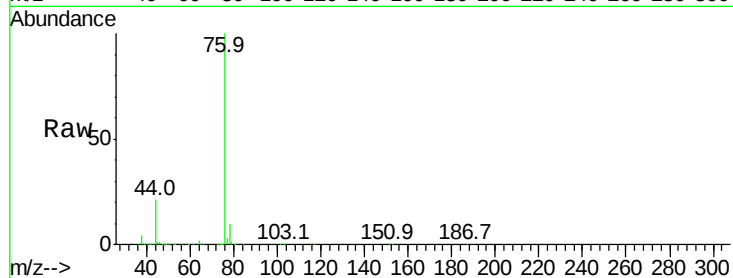
Tgt Ion: 76 Resp: 977204

Ion Ratio Lower Upper

76 100

44 19.7 16.1 24.1

78 9.7 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 11.802 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL034839.D

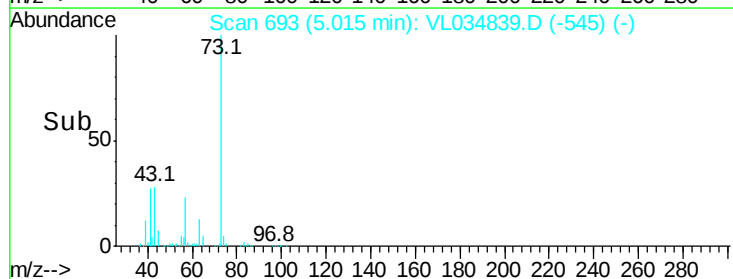
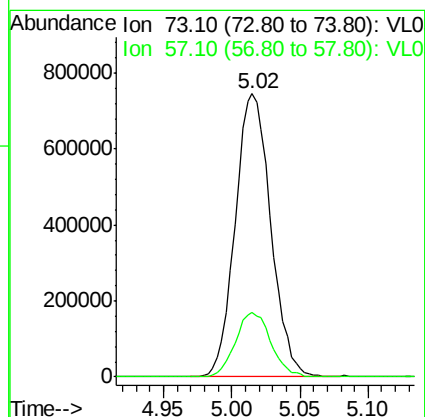
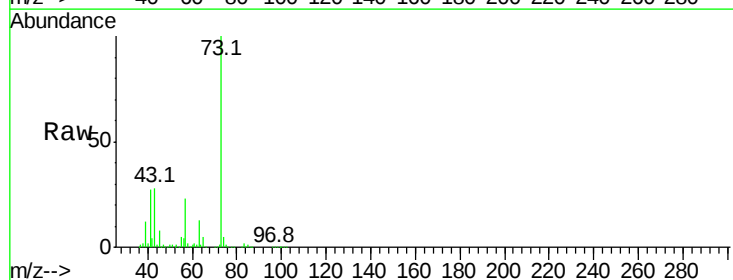
Acq: 7 Mar 2020 10:24

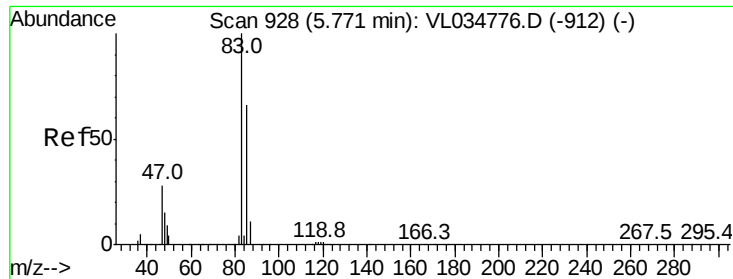
Tgt Ion: 73 Resp: 1347606

Ion Ratio Lower Upper

73 100

57 23.0 18.5 27.7

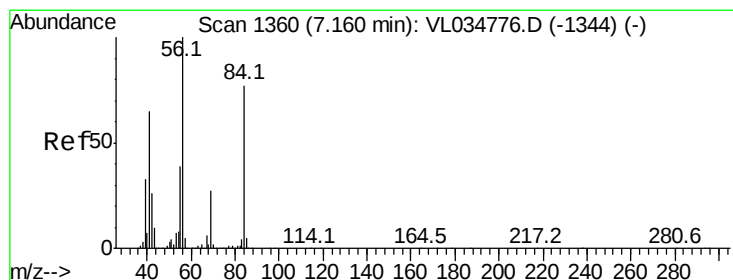
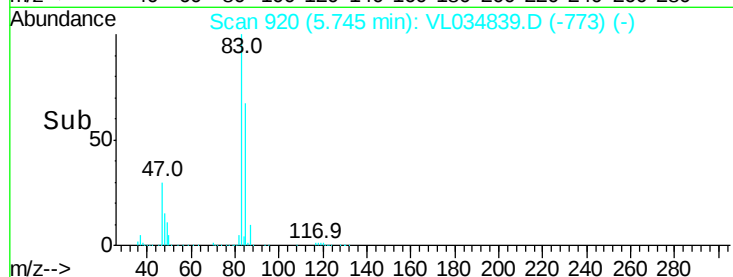
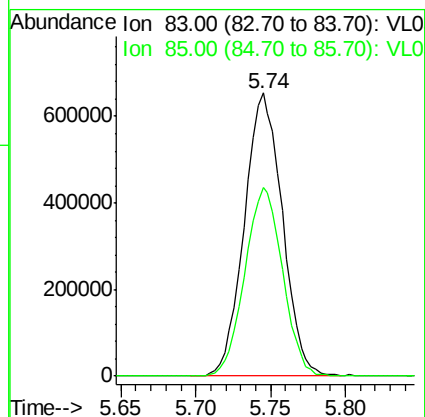
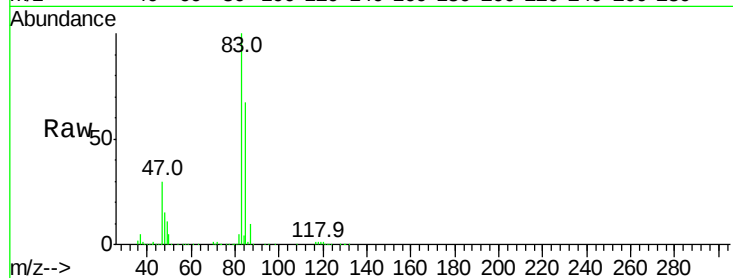




#29
Chloroform
Concen: 8.962 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

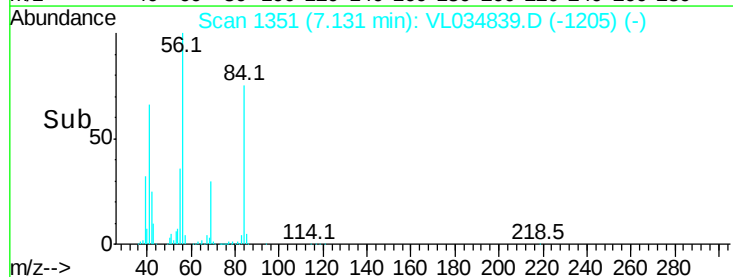
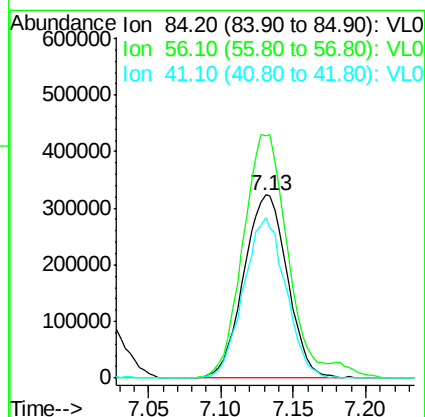
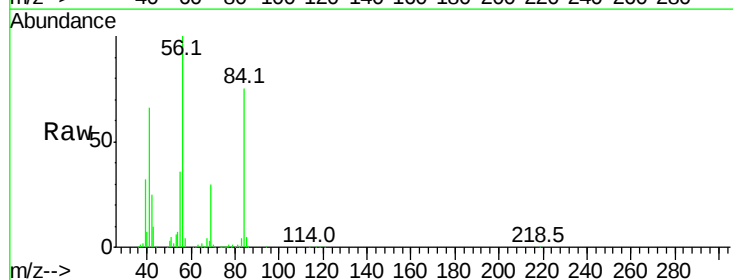
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

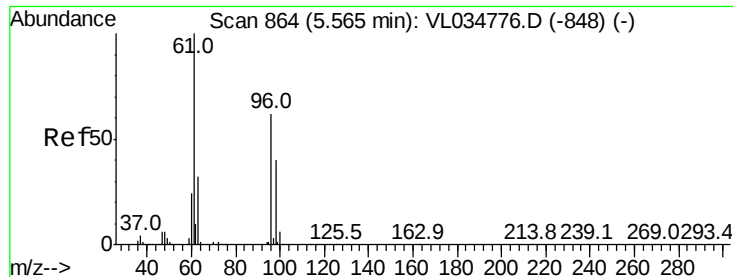
Tgt Ion: 83 Resp: 1157315
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4



#30
Cyclohexane
Concen: 11.486 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 84 Resp: 674111
Ion Ratio Lower Upper
84 100
56 140.3 113.2 169.8
41 85.5 70.2 105.4



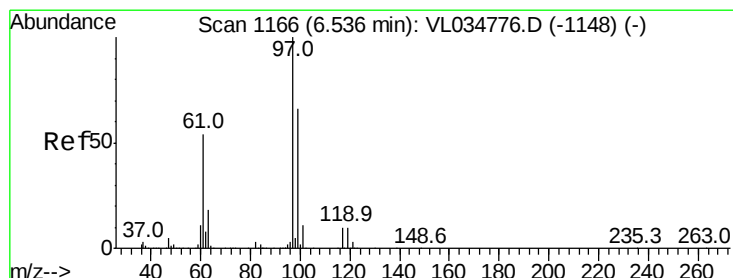
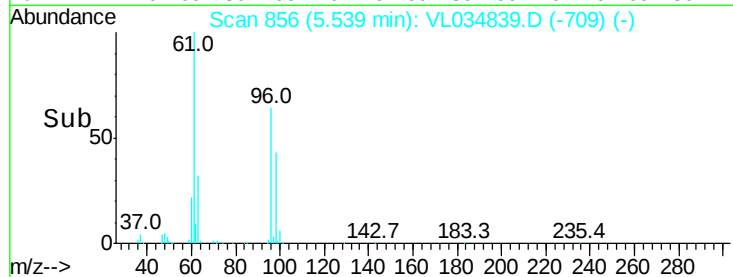
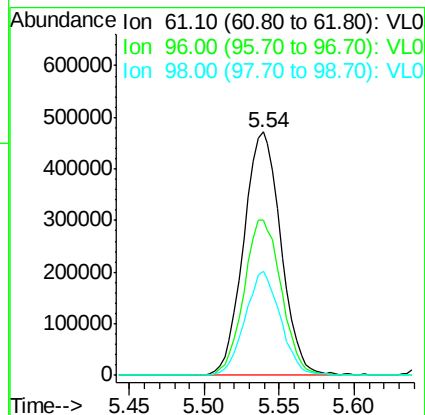
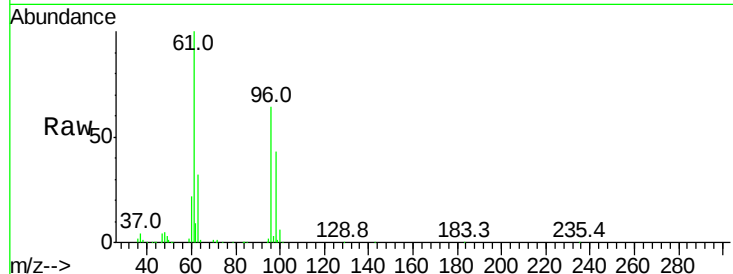


#31

cis-1,2-Dichloroethene
Concen: 10.386 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

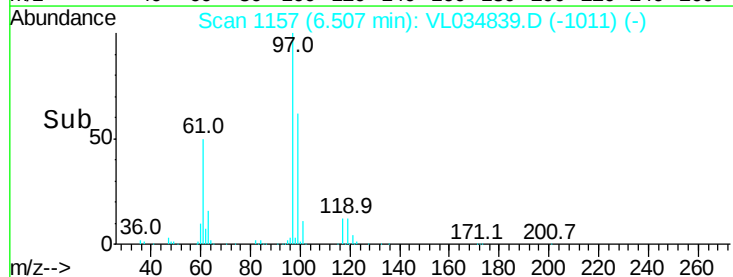
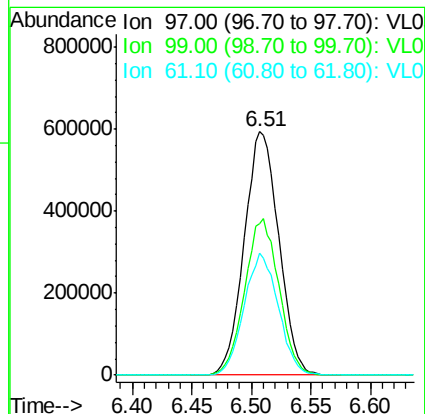
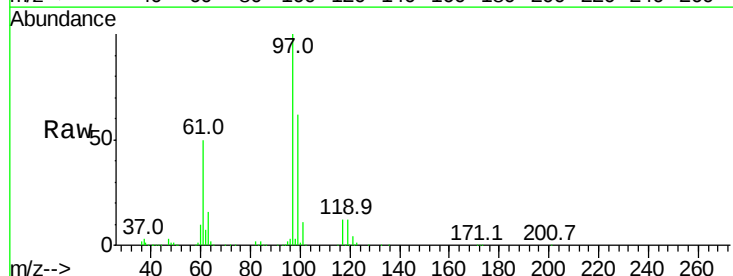
Tgt Ion: 61 Resp: 817240
Ion Ratio Lower Upper
61 100
96 63.7 49.7 74.5
98 43.0 31.9 47.9

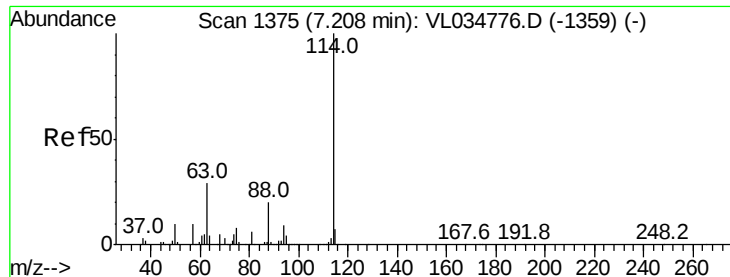


#32

1,1,1-Trichloroethane
Concen: 9.367 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 97 Resp: 1195289
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 49.8 43.4 65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

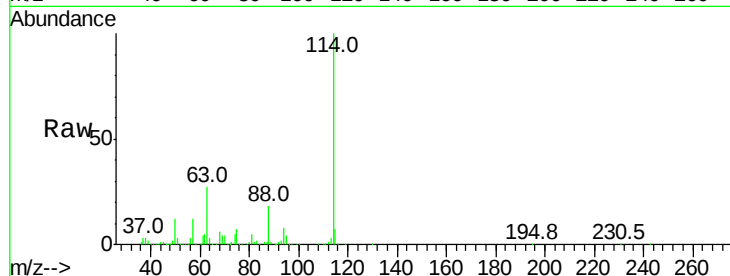
Tgt Ion:114 Resp: 1975365

Ion Ratio Lower Upper

114 100

63 26.0 23.6 35.4

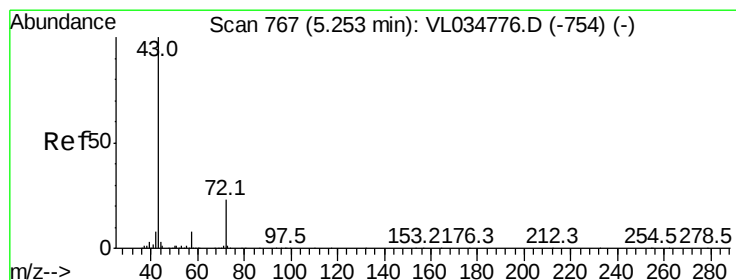
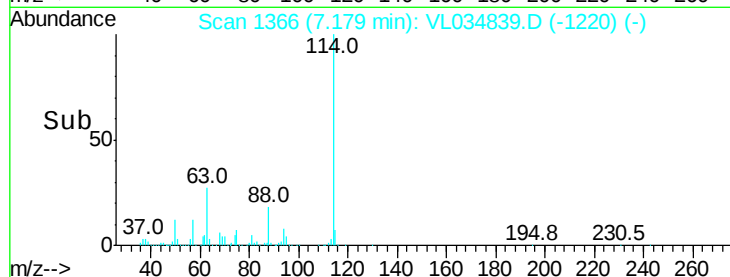
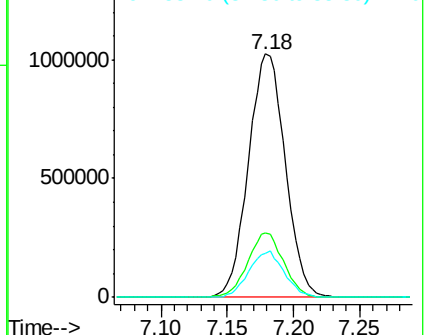
88 18.3 15.8 23.8



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: 9.361 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.02 min

Lab File: VL034839.D

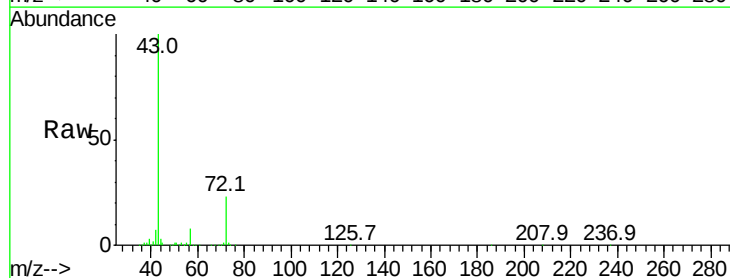
Acq: 7 Mar 2020 10:24

Tgt Ion: 43 Resp: 1202973

Ion Ratio Lower Upper

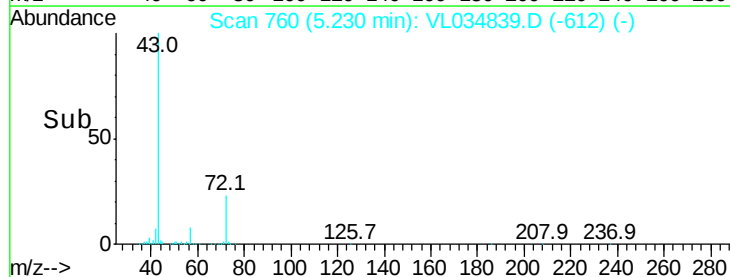
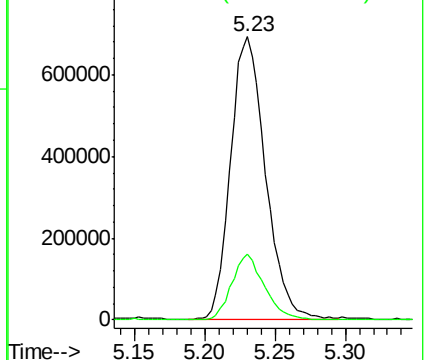
43 100

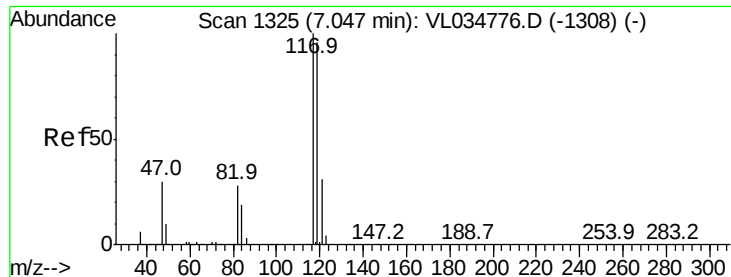
72 21.8 17.5 26.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.173 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

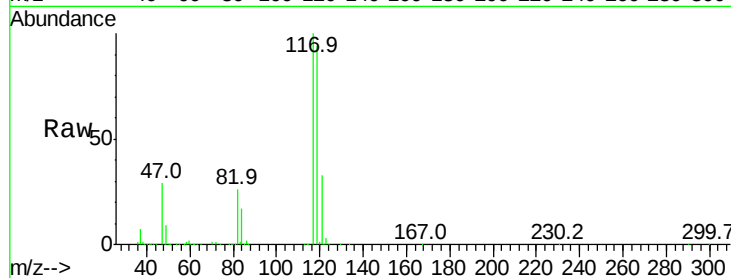
Tgt Ion:117 Resp: 1218165

Ion Ratio Lower Upper

117 100

119 93.6 76.8 115.2

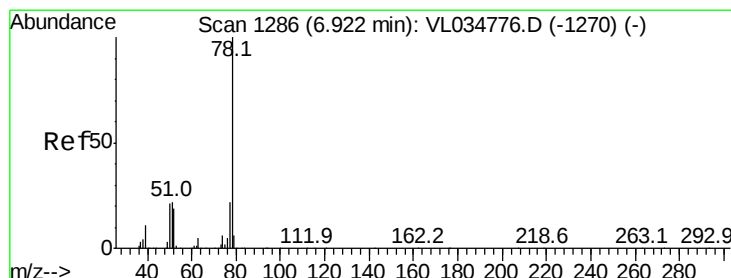
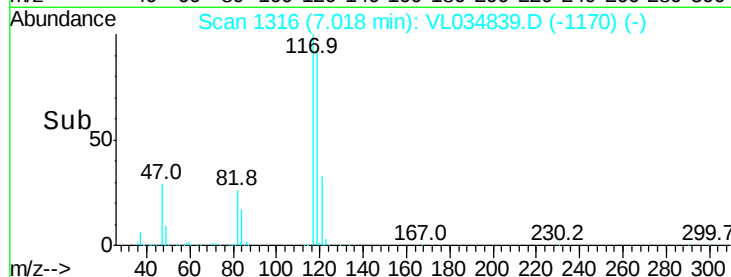
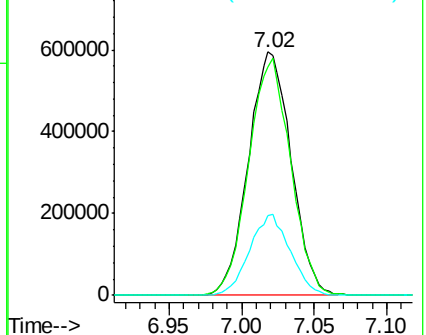
121 32.9 24.6 37.0



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: 9.606 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

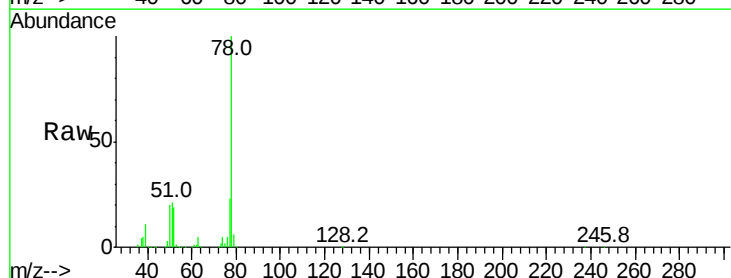
Tgt Ion: 78 Resp: 1621398

Ion Ratio Lower Upper

78 100

77 22.6 18.0 27.0

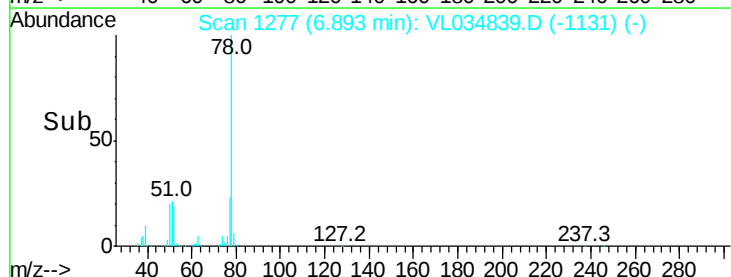
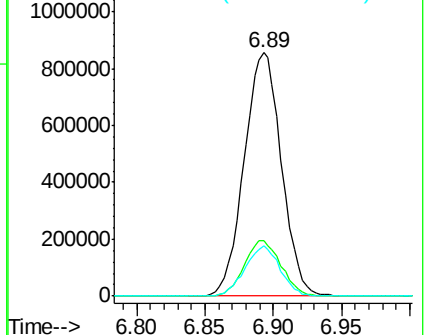
50 20.4 16.9 25.3

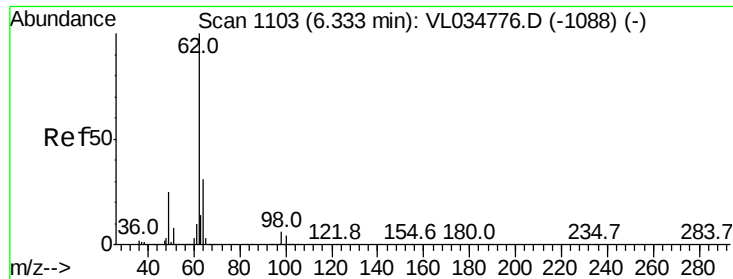


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 7.876 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.03 min

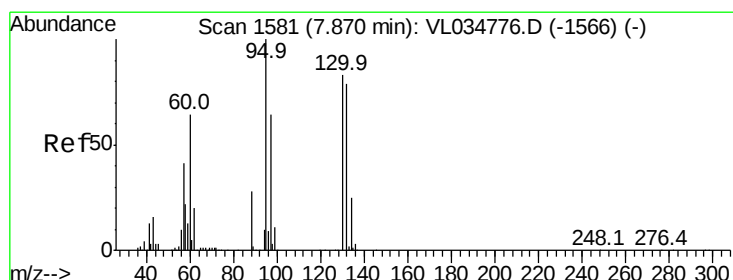
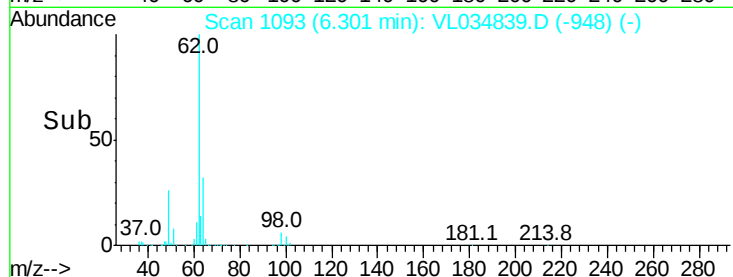
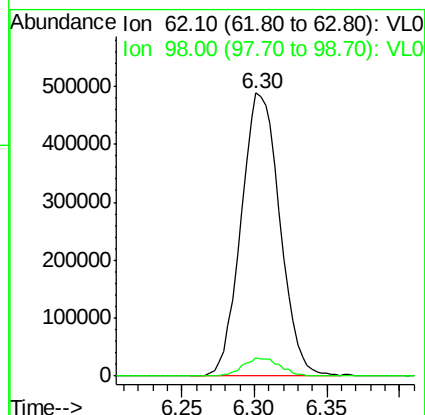
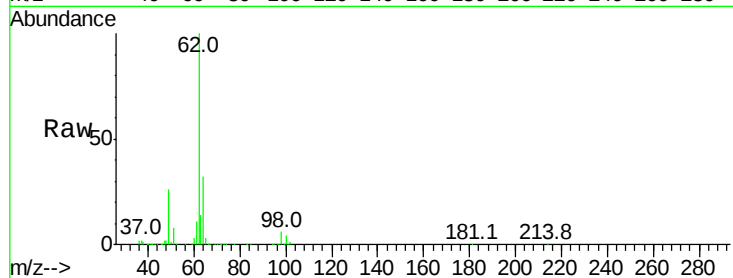
Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 908071

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.4	6.6



#38

Trichloroethene

Concen: 9.465 ppbv

RT: 7.84 min Scan# 1572

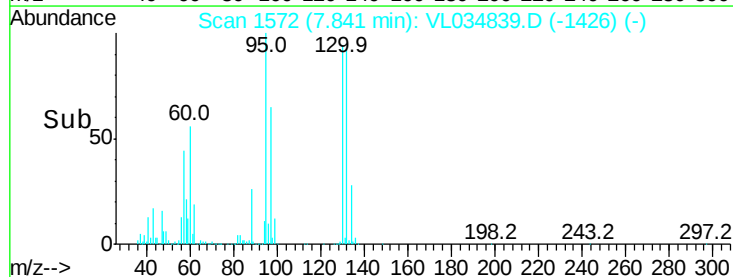
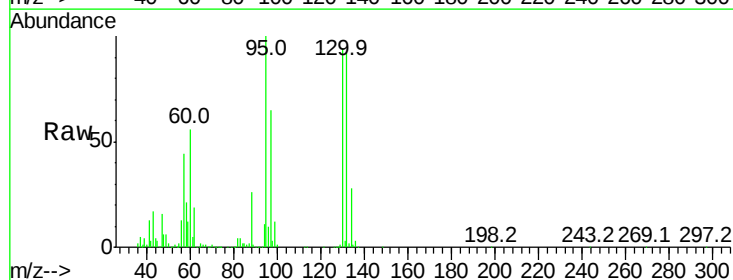
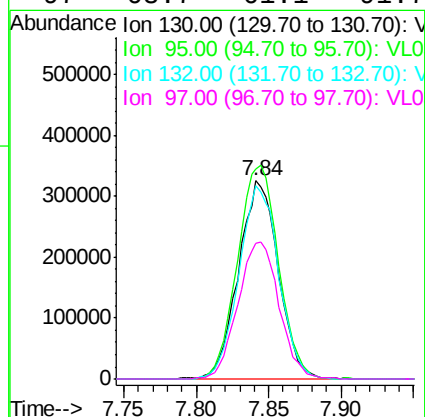
Delta R.T. -0.03 min

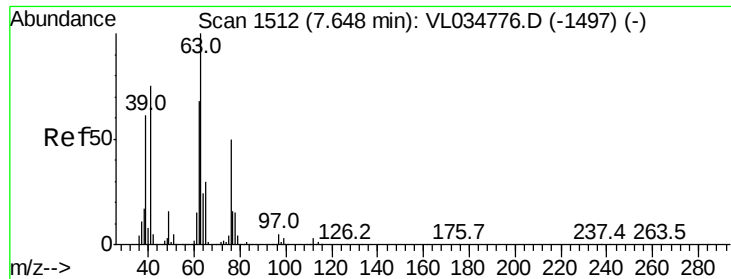
Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 130 Resp: 622655

Ion	Ratio	Lower	Upper
130	100		
95	105.8	95.8	143.8
132	97.4	76.1	114.1
97	68.7	61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.333 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

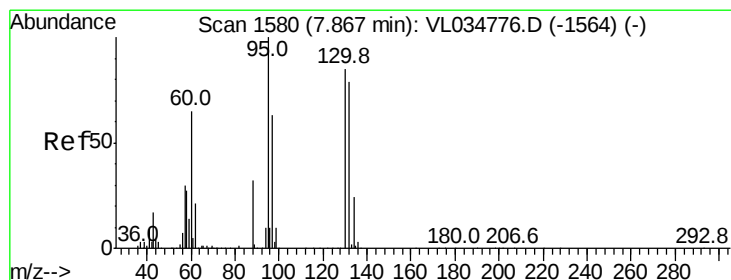
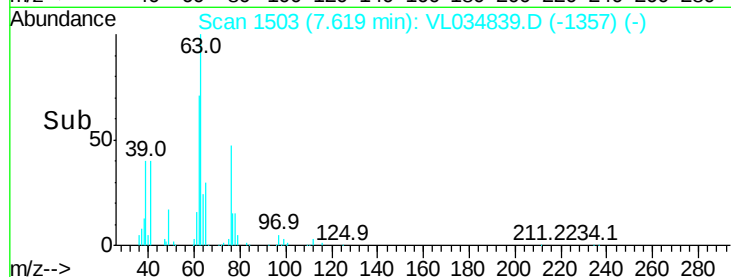
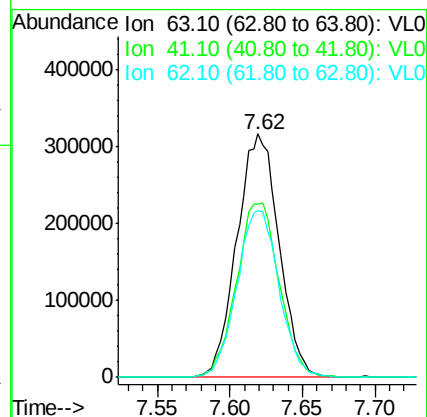
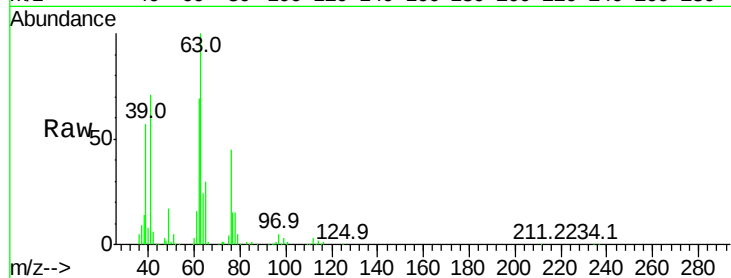
Tgt Ion: 63 Resp: 635740

Ion Ratio Lower Upper

63 100

41 70.9 60.3 90.5

62 68.6 54.5 81.7



#40

1,4-Dioxane

Concen: 8.543 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 88 Resp: 201279

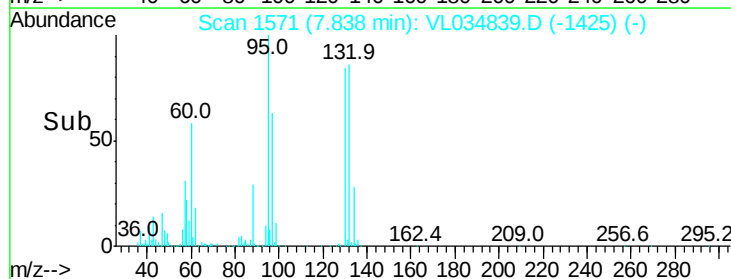
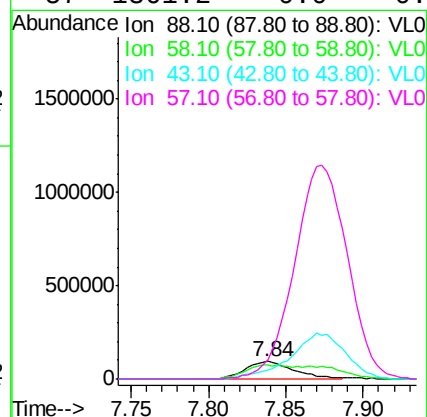
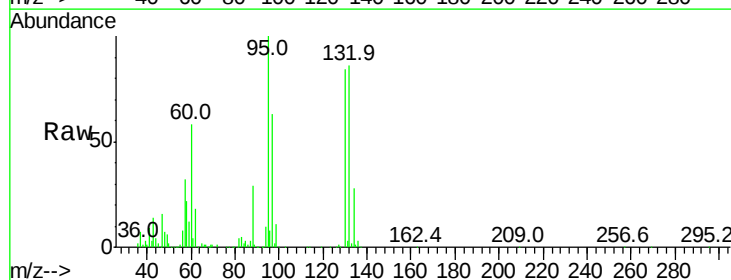
Ion Ratio Lower Upper

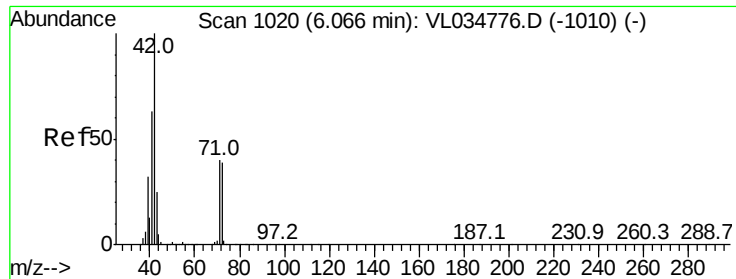
88 100

58 145.3 110.6 166.0

43 303.0 0.0 0.0#

57 1361.2 0.0 0.0#

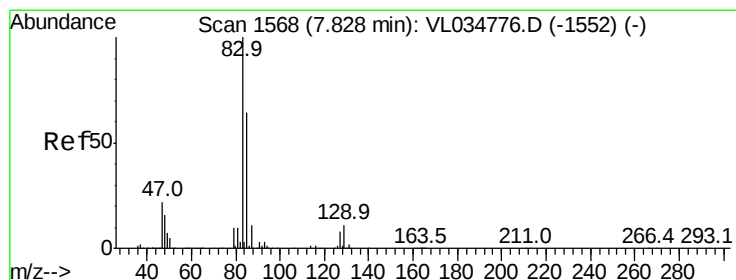
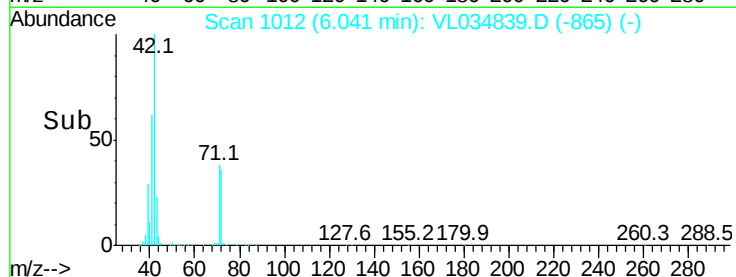
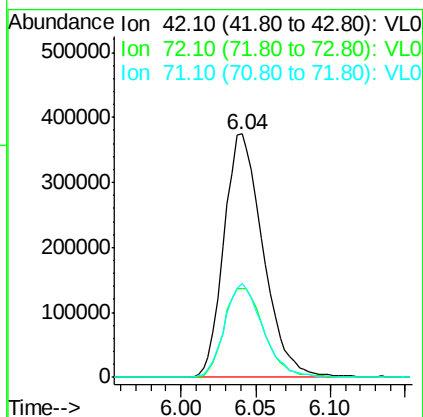
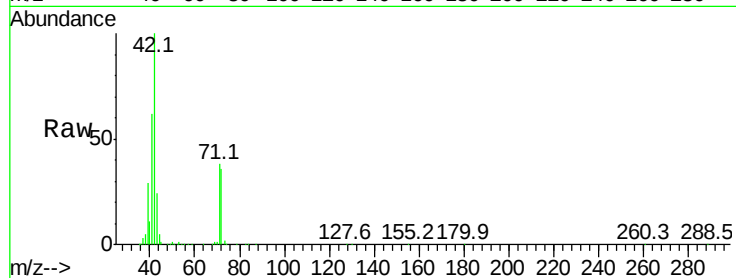




#41
Tetrahydrofuran
Concen: 10.406 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

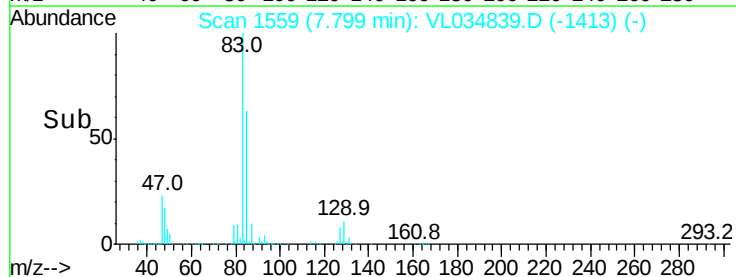
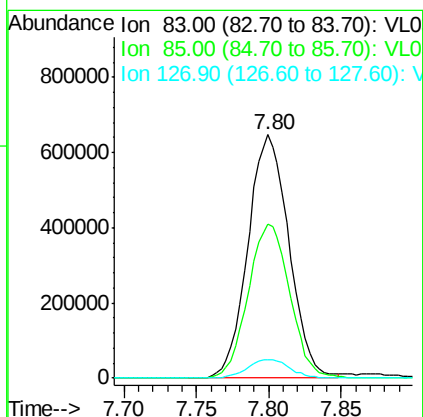
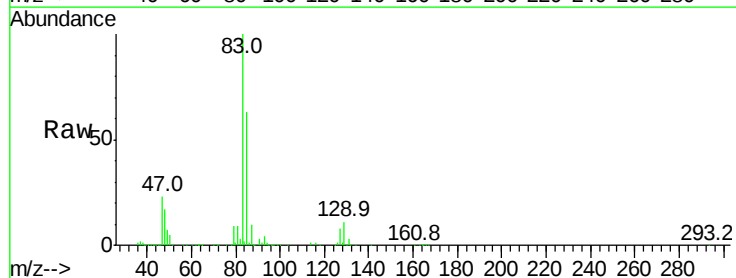
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

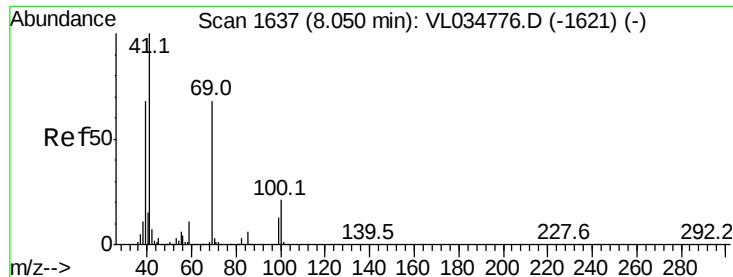
Tgt Ion: 42 Resp: 682355
Ion Ratio Lower Upper
42 100
72 37.7 32.0 48.0
71 37.8 31.3 46.9



#42
Bromodichloromethane
Concen: 8.740 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 83 Resp: 1274946
Ion Ratio Lower Upper
83 100
85 63.4 50.8 76.2
127 7.7 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.008 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

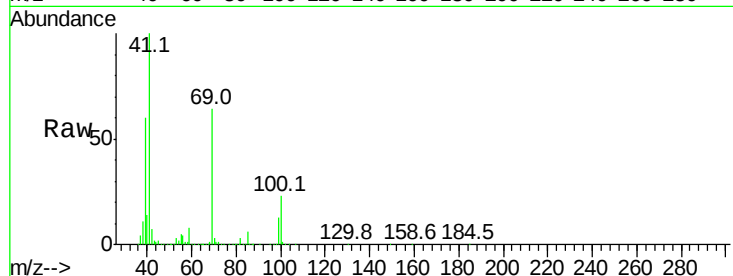
Tgt Ion: 69 Resp: 715880

Ion Ratio Lower Upper

69 100

41 154.2 121.6 182.4

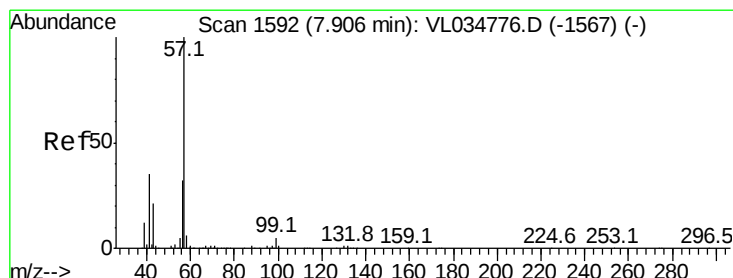
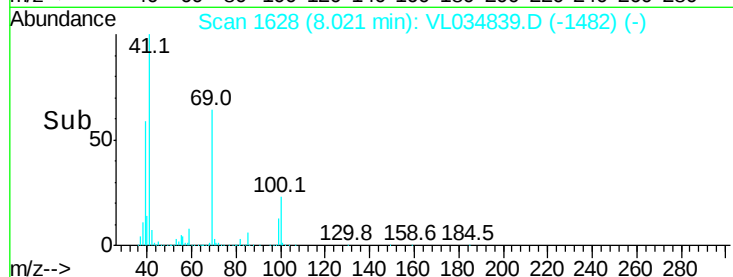
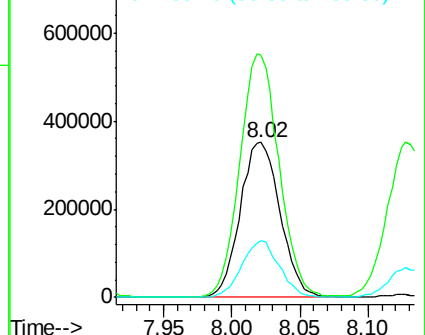
100 34.4 23.8 35.8



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.237 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

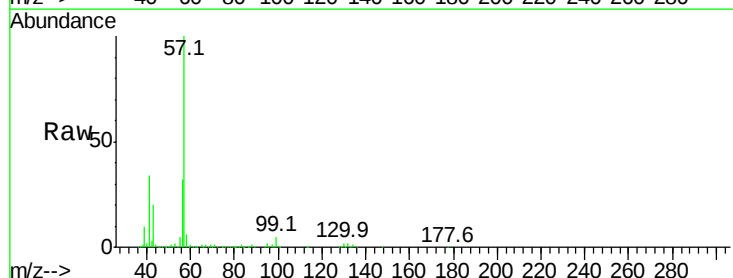
Tgt Ion: 57 Resp: 2724810

Ion Ratio Lower Upper

57 100

41 33.1 27.4 41.0

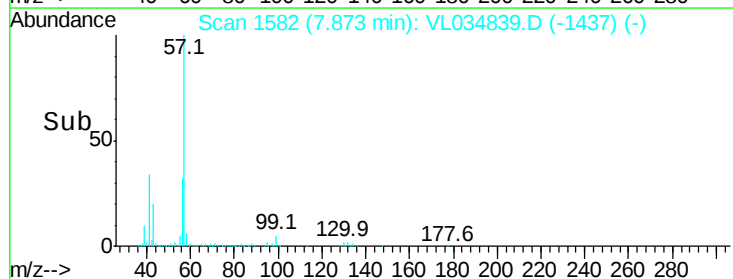
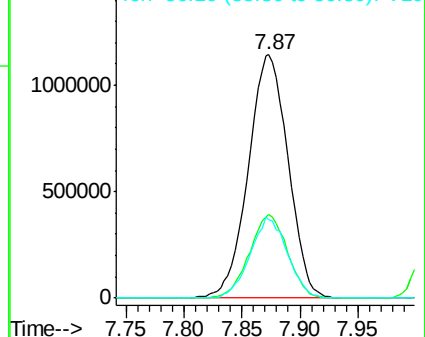
56 31.3 25.0 37.6

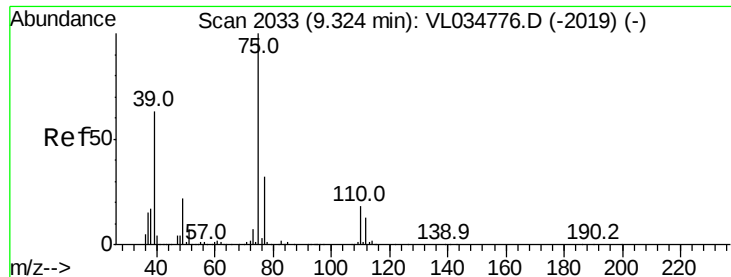


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.939 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

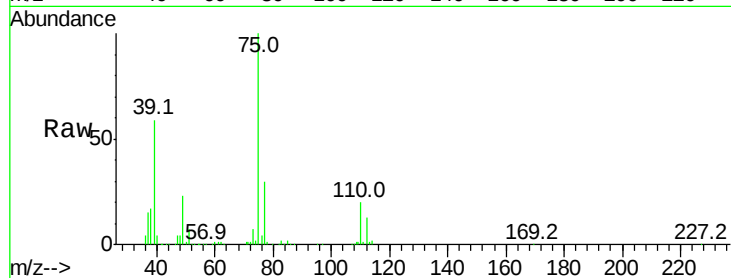
VSTDCCC010EC

Tgt Ion: 75 Resp: 896540

Ion Ratio Lower Upper

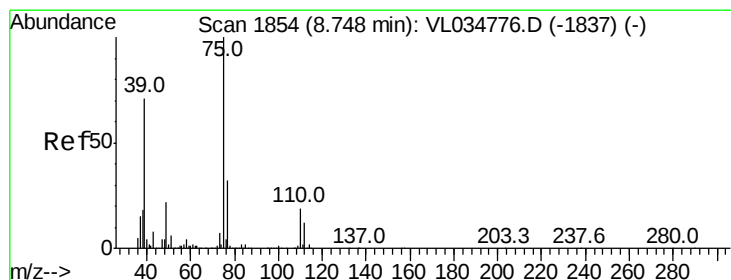
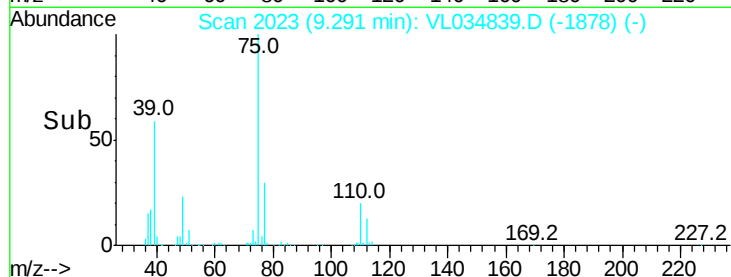
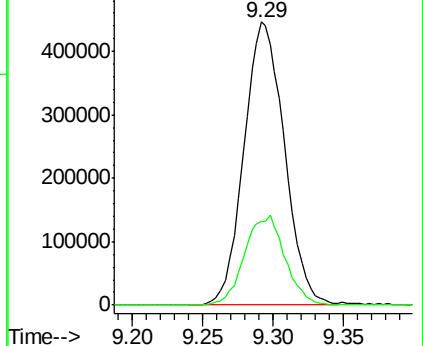
75 100

77 29.5 25.6 38.4



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: 11.190 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

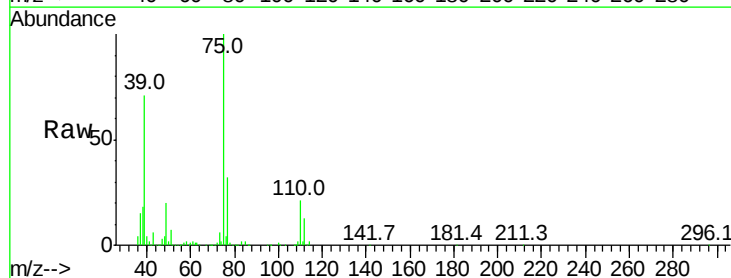
Tgt Ion: 75 Resp: 1026027

Ion Ratio Lower Upper

75 100

39 70.6 56.9 85.3

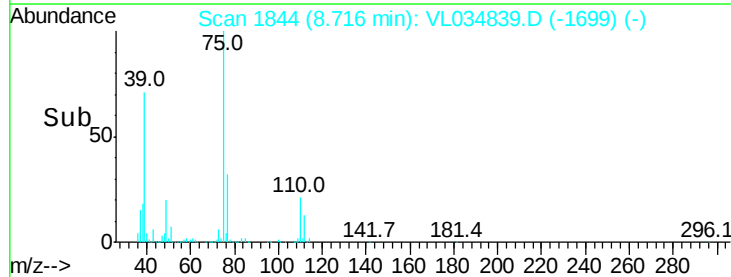
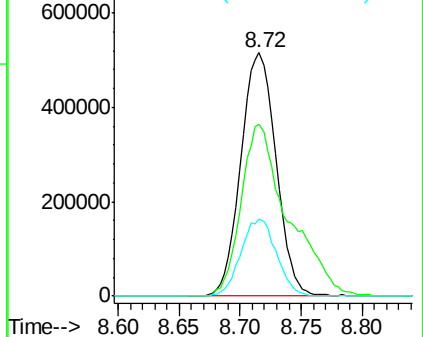
77 31.8 25.7 38.5

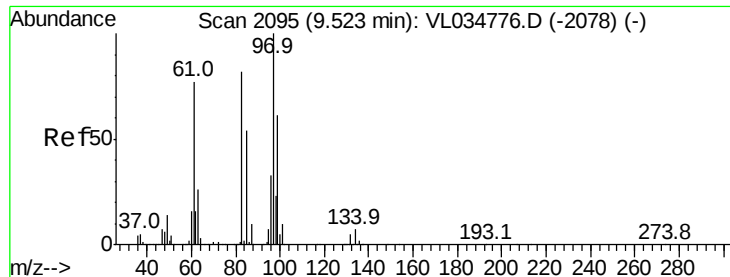


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

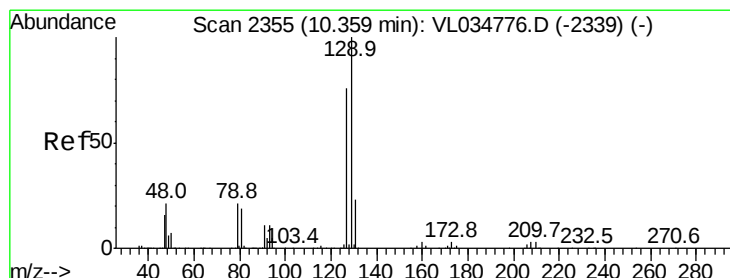
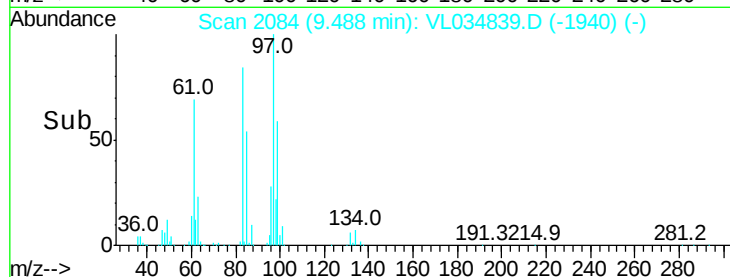
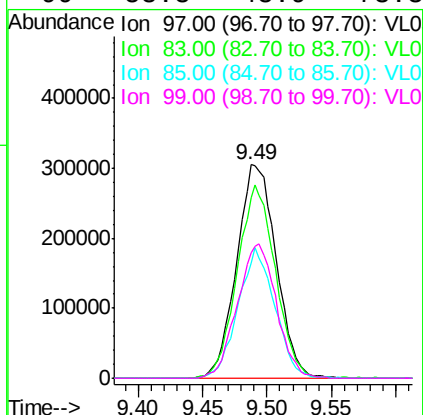
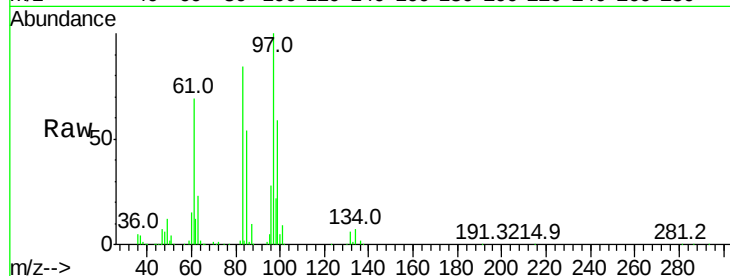




#47
 1,1,2-Trichloroethane
 Concen: 9.061 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

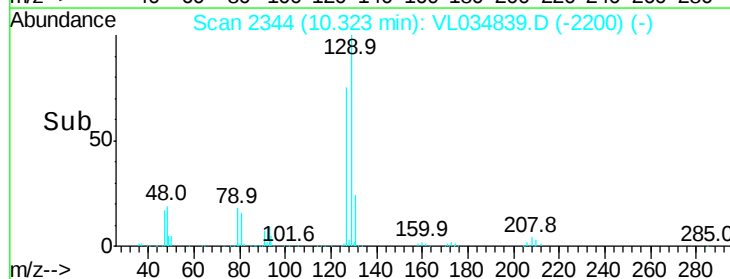
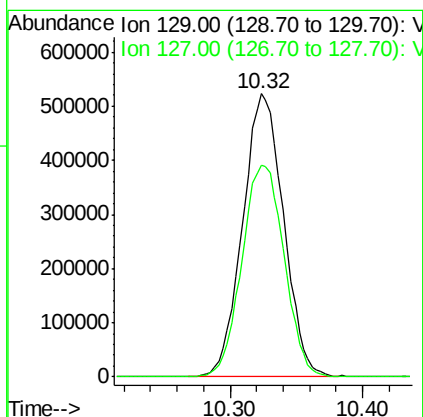
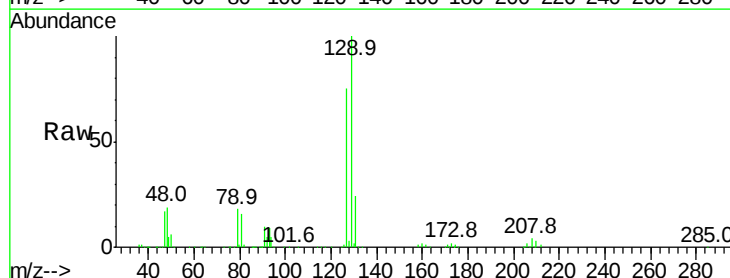
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

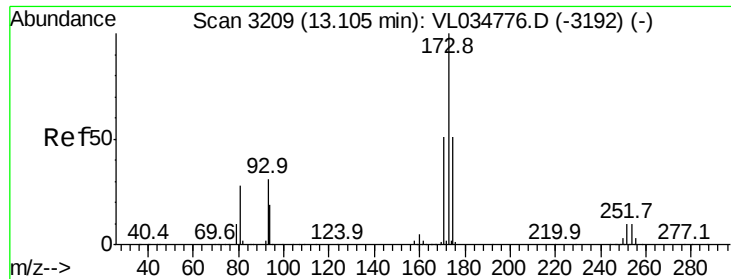
Tgt Ion:	97	Resp:	651675
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.2	97.8
85	53.9	43.6	65.4
99	58.8	48.9	73.3



#48
 Dibromochloromethane
 Concen: 9.939 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion:	129	Resp:	1117749
Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.0	117.0





#49

Bromoform

Concen: 5.081 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

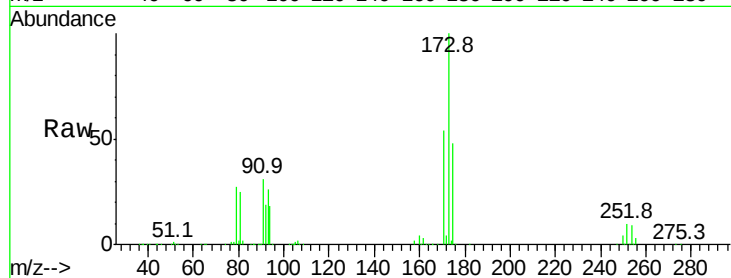
Tgt Ion:173 Resp: 498661

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

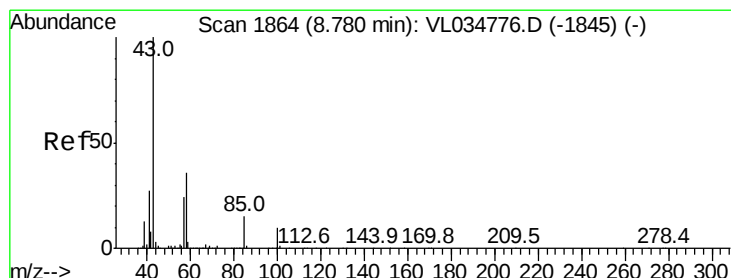
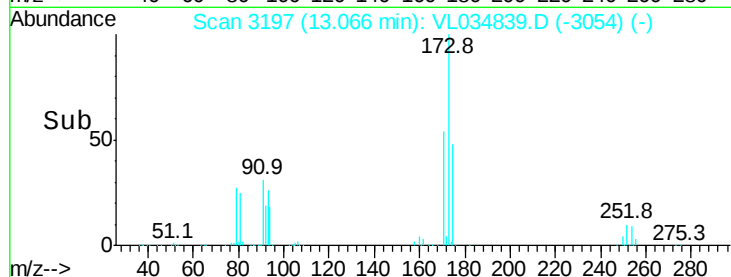
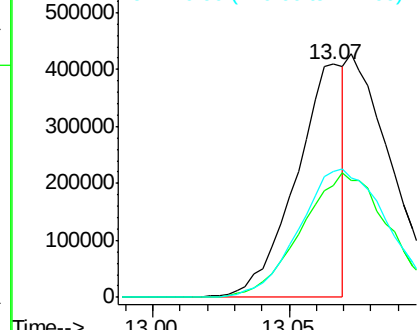
171 0.0 41.0 61.4#



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: 9.528 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.03 min

Lab File: VL034839.D

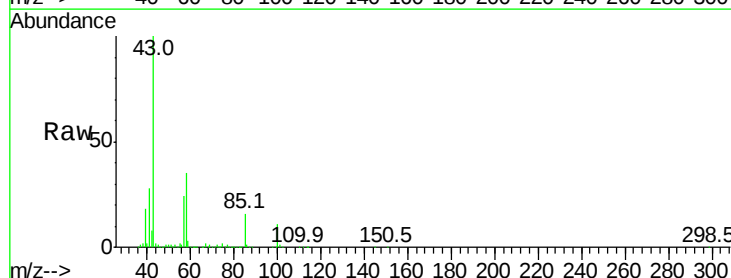
Acq: 7 Mar 2020 10:24

Tgt Ion: 43 Resp: 1754516

Ion Ratio Lower Upper

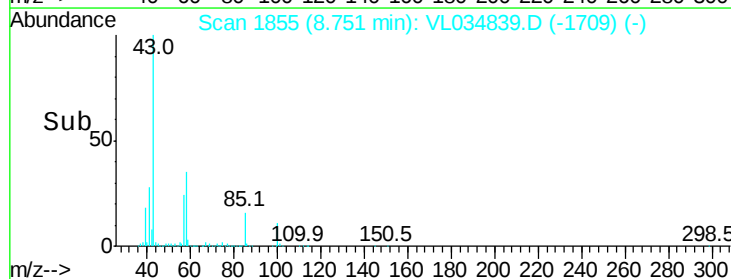
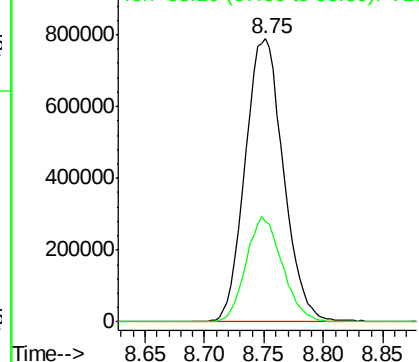
43 100

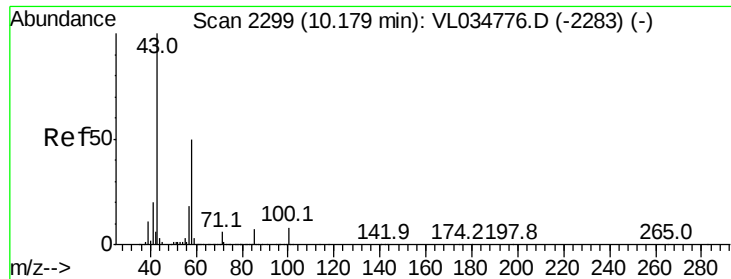
58 35.4 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

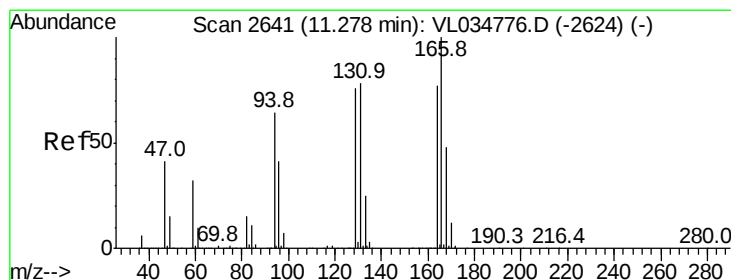
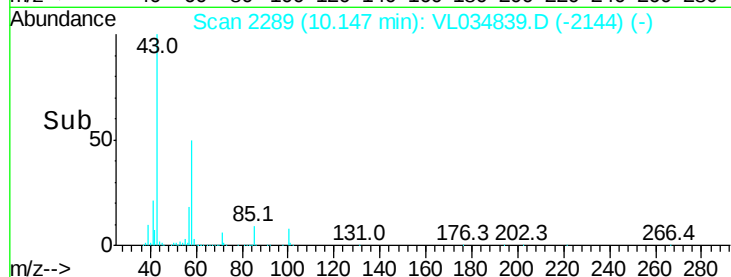
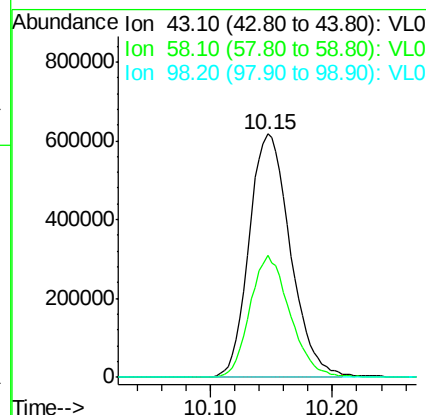
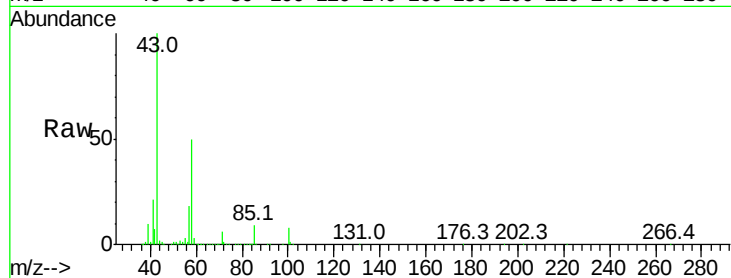




#51
2-Hexanone
Concen: 9.956 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

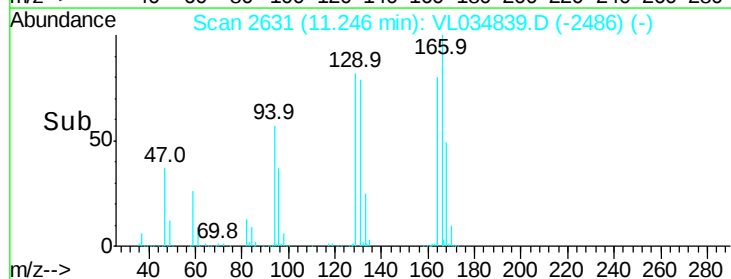
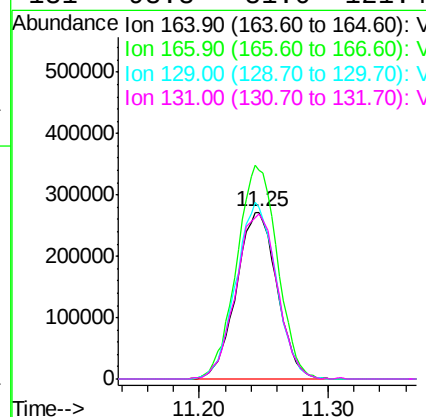
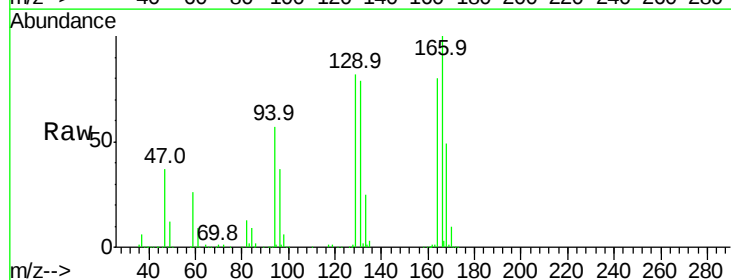
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

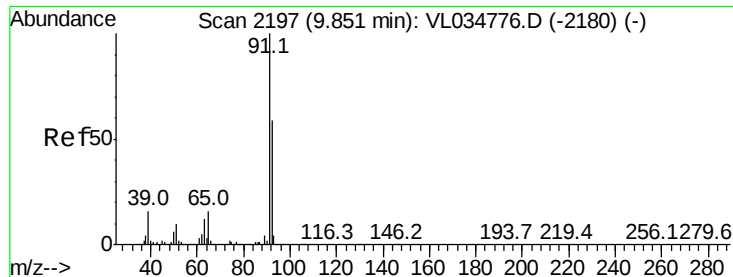
Tgt Ion: 43 Resp: 1438177
Ion Ratio Lower Upper
43 100
58 48.9 38.6 58.0
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.517 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 164 Resp: 593480
Ion Ratio Lower Upper
164 100
166 124.7 103.3 154.9
129 102.5 79.0 118.4
131 98.8 81.0 121.4





#53

Toluene

Concen: 10.566 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

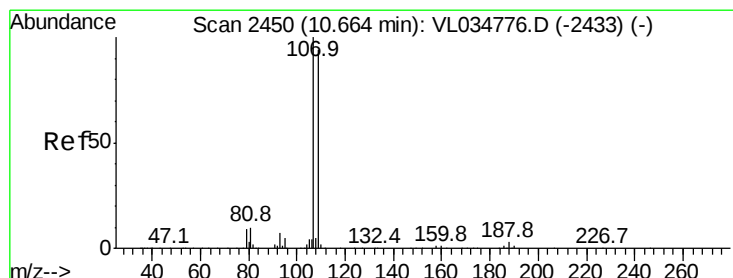
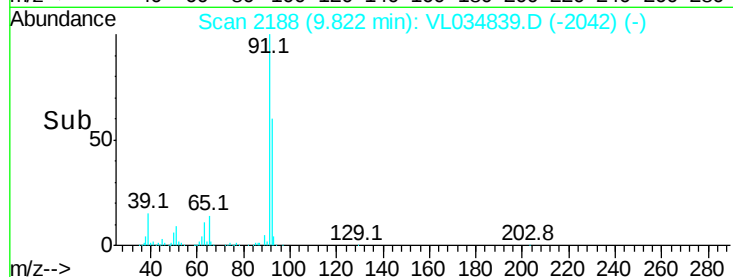
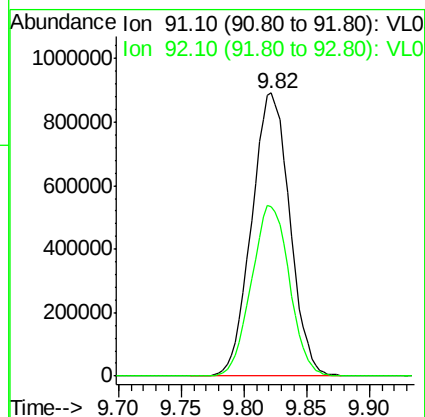
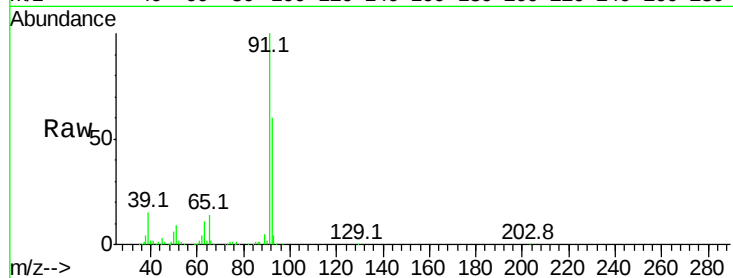
VSTDCCC010EC

Tgt Ion: 91 Resp: 1887525

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.286 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.03 min

Lab File: VL034839.D

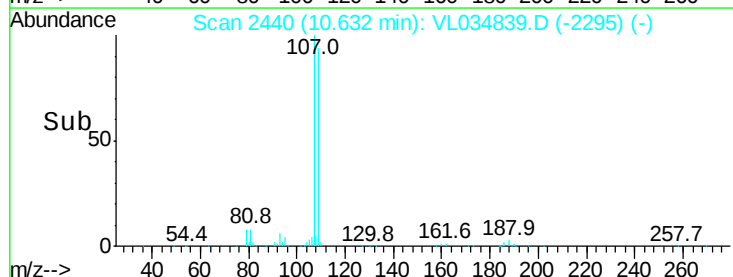
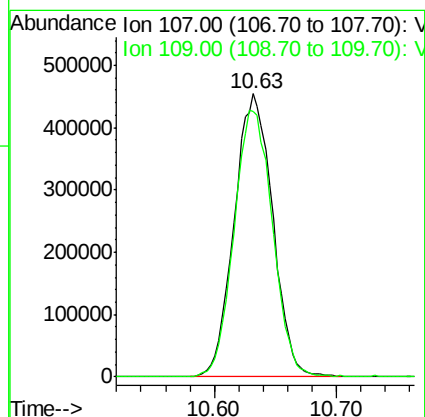
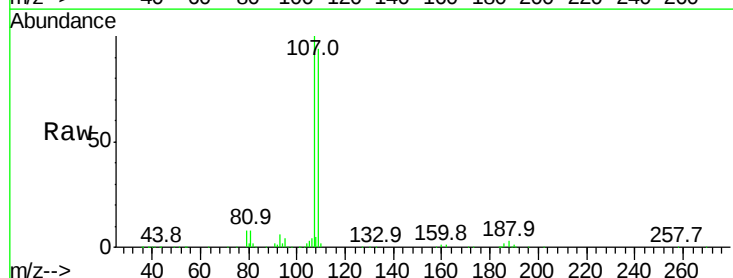
Acq: 7 Mar 2020 10:24

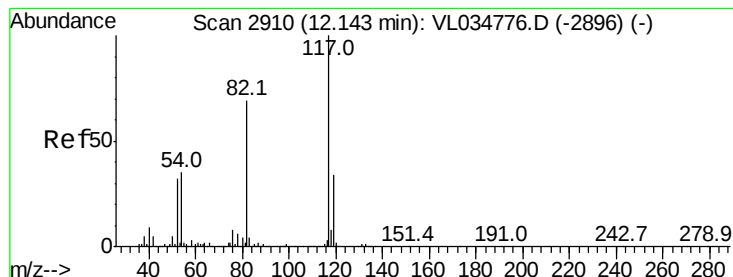
Tgt Ion: 107 Resp: 987522

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

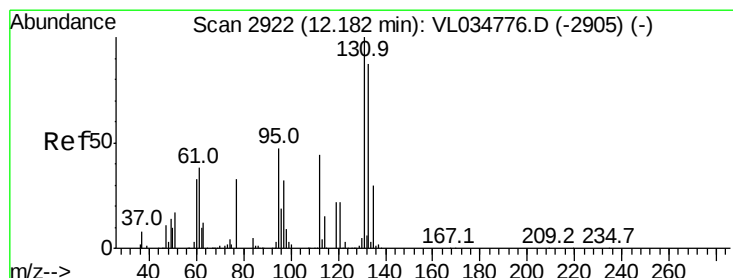
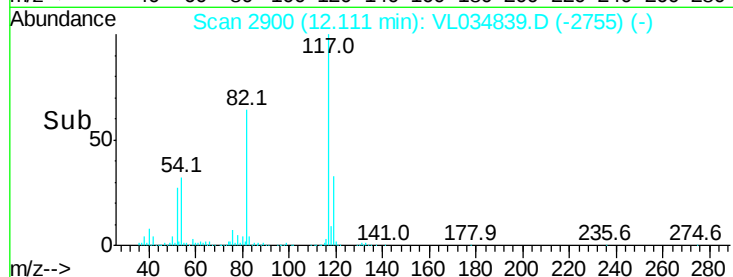
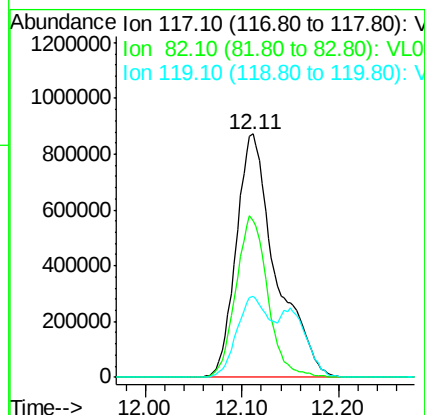
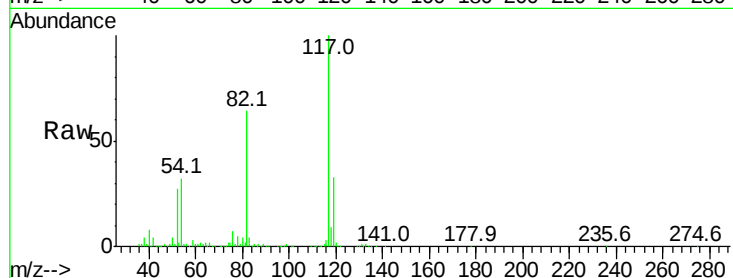
Tgt Ion:117 Resp: 2478706

Ion Ratio Lower Upper

117 100

82 53.3 53.9 80.9#

119 28.7 25.0 37.4



#56

1,1,1,2-Tetrachloroethane

Concen: 7.555 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

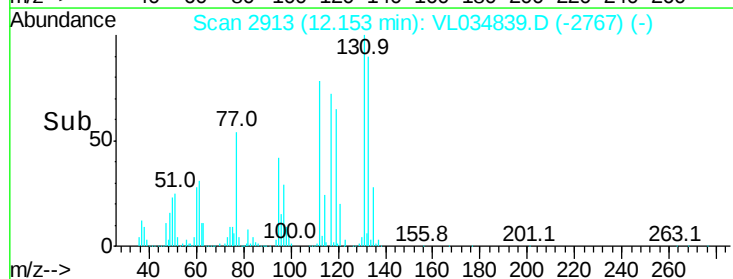
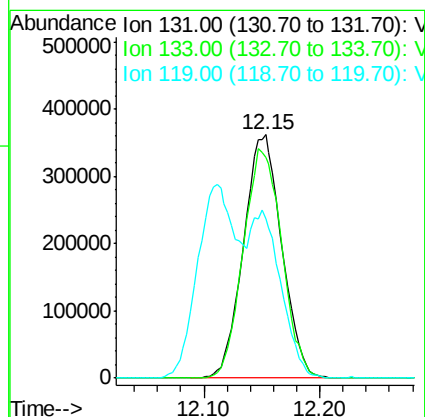
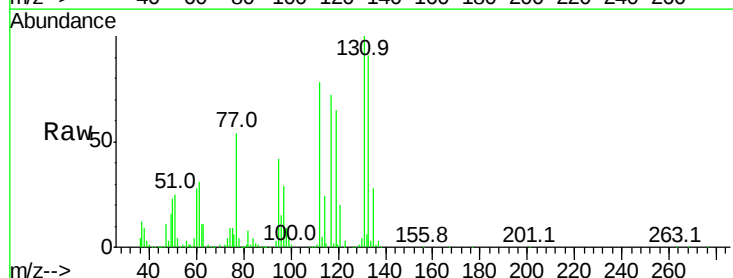
Tgt Ion:131 Resp: 829798

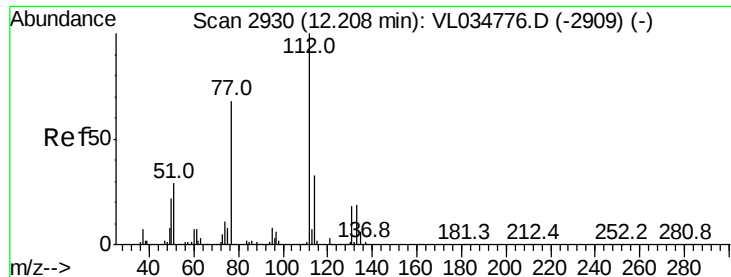
Ion Ratio Lower Upper

131 100

133 95.0 75.4 113.0

119 59.1 110.5 165.7#





#57

Chlorobenzene

Concen: 7.278 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

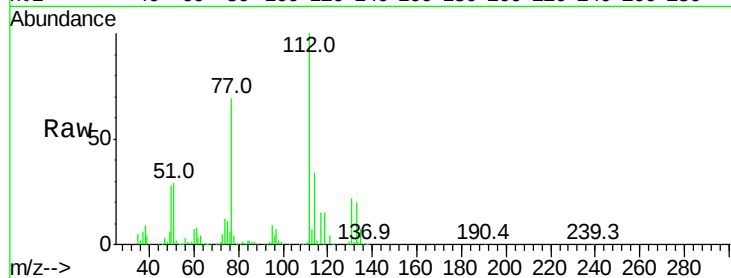
Tgt Ion: 112 Resp: 1378101

Ion Ratio Lower Upper

112 100

77 69.3 55.6 83.4

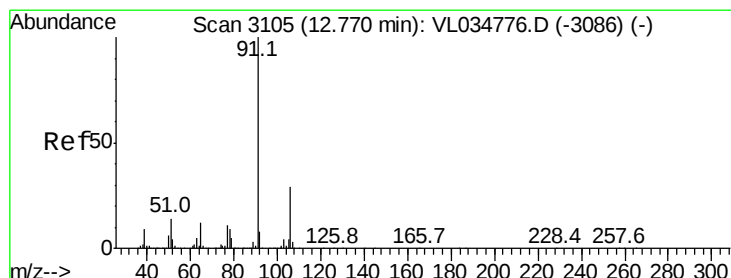
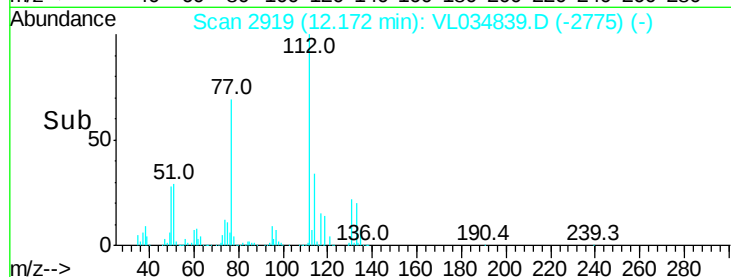
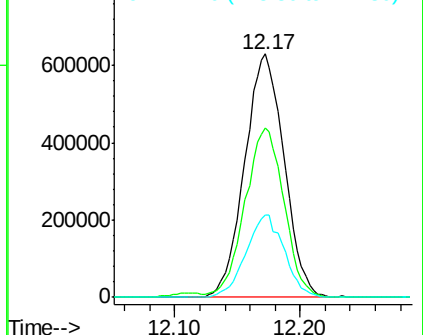
114 33.7 29.4 36.0



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: 8.073 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.04 min

Lab File: VL034839.D

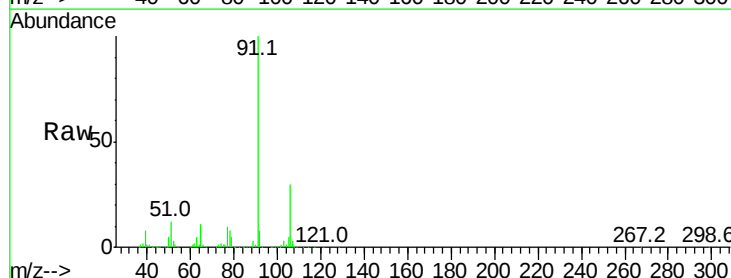
Acq: 7 Mar 2020 10:24

Tgt Ion: 91 Resp: 2466092

Ion Ratio Lower Upper

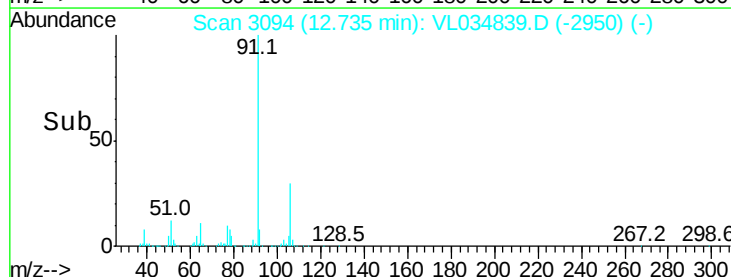
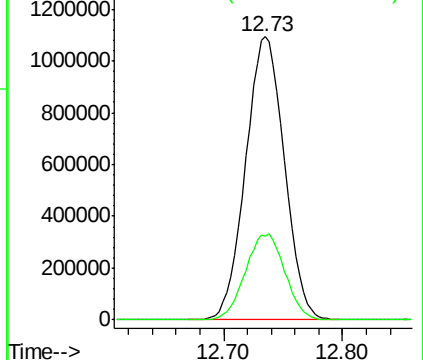
91 100

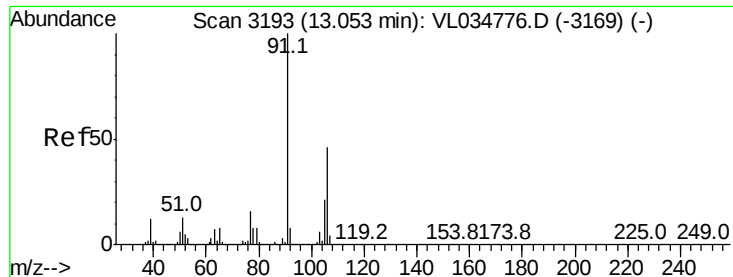
106 29.7 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

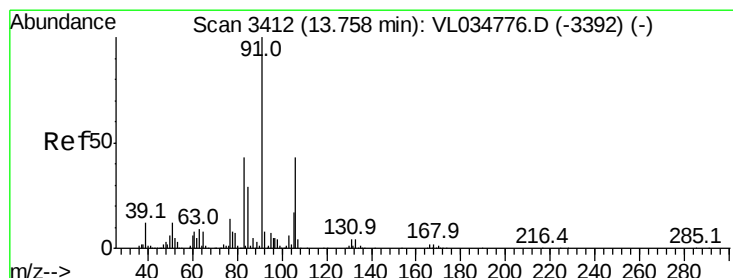
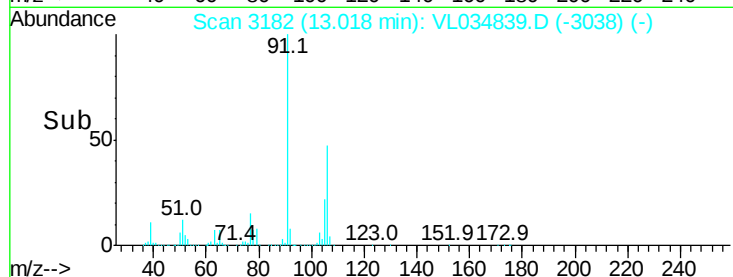
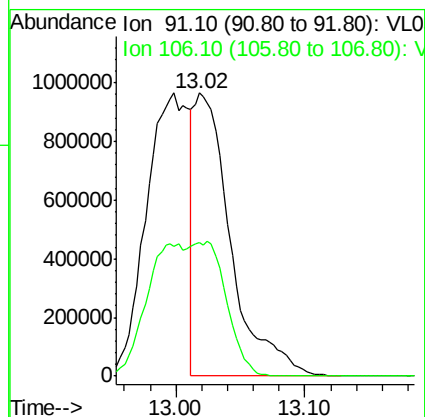
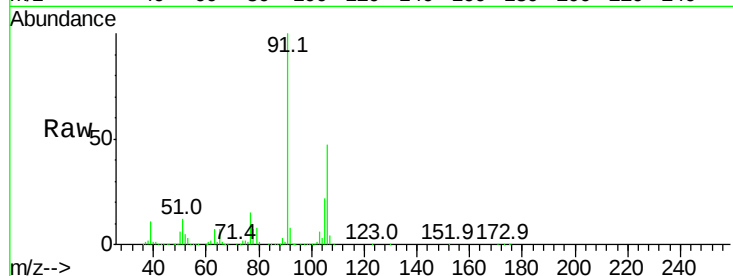




#59
m/p-Xylene
Concen: 7.175 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

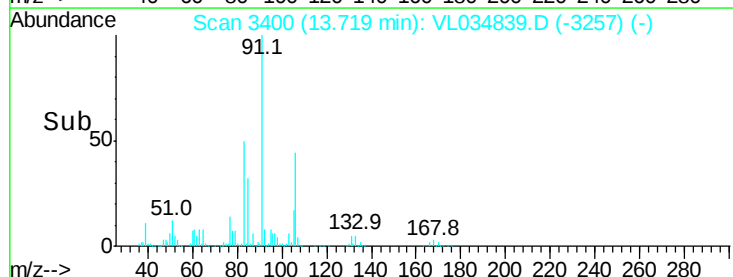
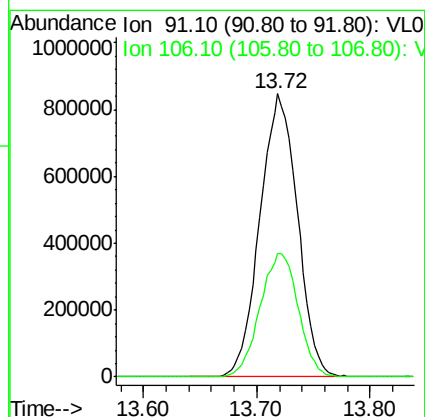
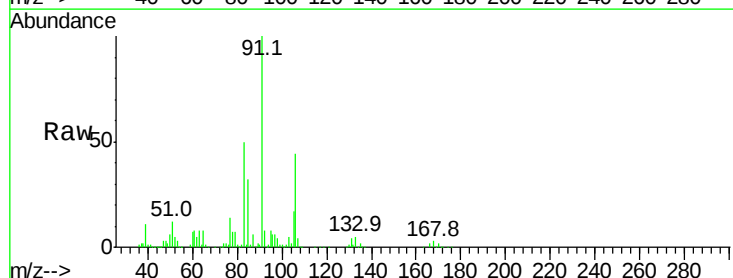
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

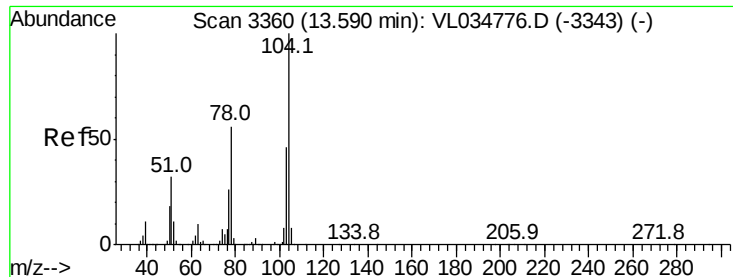
Tgt Ion: 91 Resp: 1897310
Ion Ratio Lower Upper
91 100
106 97.5 35.8 53.8#



#60
o-Xylene
Concen: 7.273 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 91 Resp: 1945877
Ion Ratio Lower Upper
91 100
106 44.5 21.7 65.1





#61

Styrene

Concen: 8.967 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

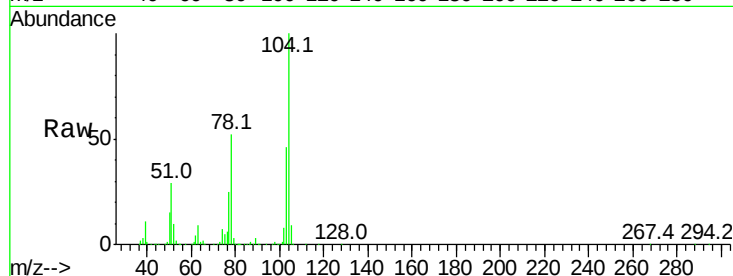
Tgt Ion:104 Resp: 1488193

Ion Ratio Lower Upper

104 100

78 51.9 44.7 67.1

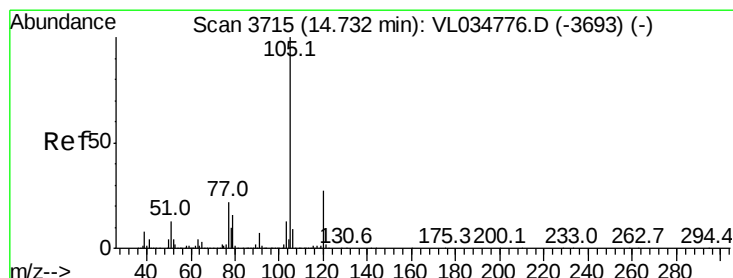
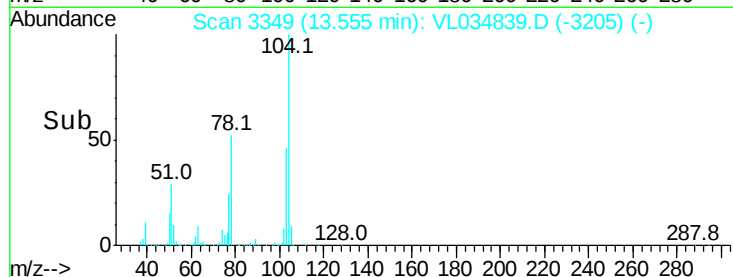
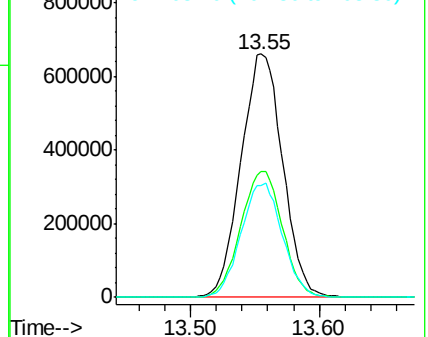
103 46.8 38.2 57.2



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: 7.514 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.04 min

Lab File: VL034839.D

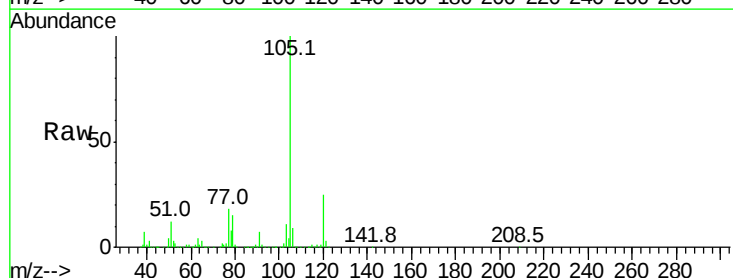
Acq: 7 Mar 2020 10:24

Tgt Ion:105 Resp: 2958786

Ion Ratio Lower Upper

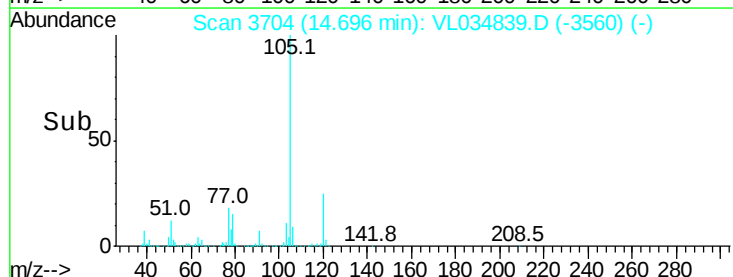
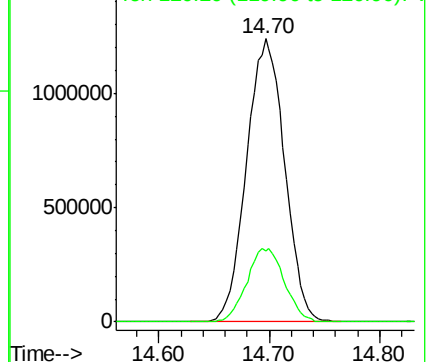
105 100

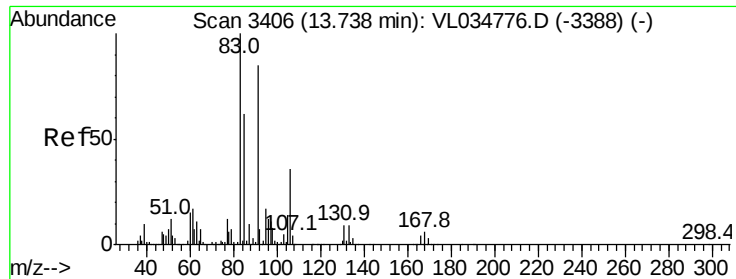
120 25.7 20.5 30.7



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: 6.183 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

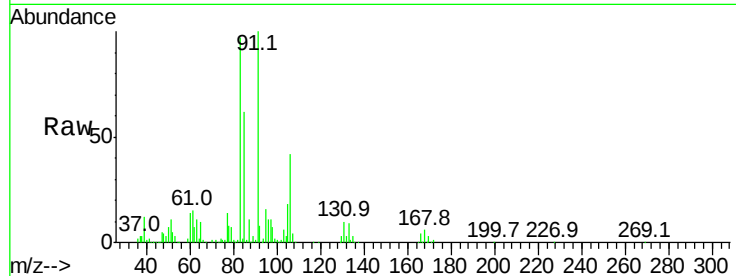
Tgt Ion: 83 Resp: 1304053

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.0

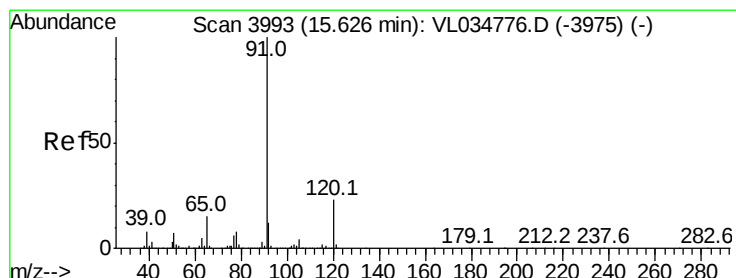
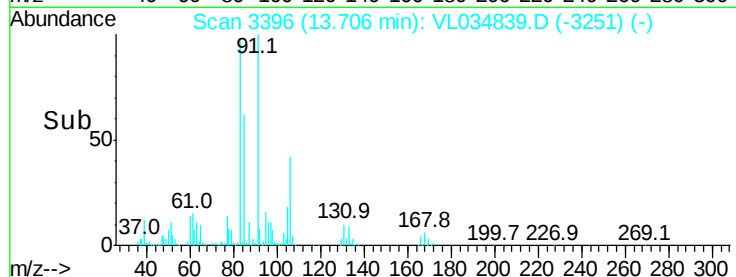
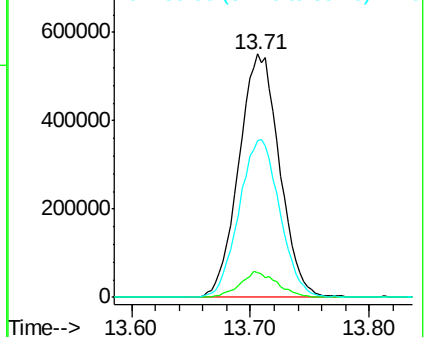
85 65.2 32.9 98.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.845 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. -0.03 min

Lab File: VL034839.D

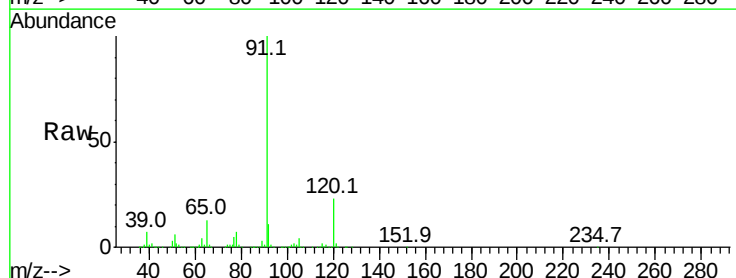
Acq: 7 Mar 2020 10:24

Tgt Ion: 120 Resp: 774480

Ion Ratio Lower Upper

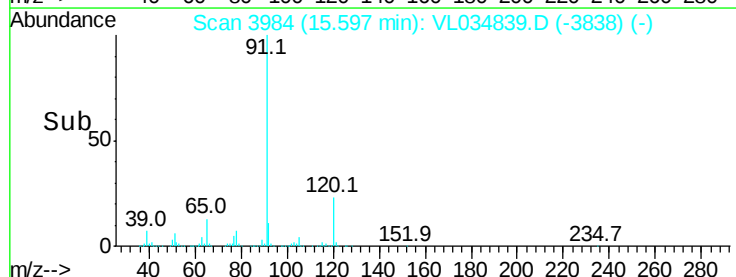
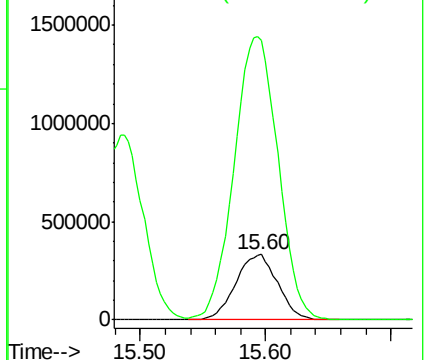
120 100

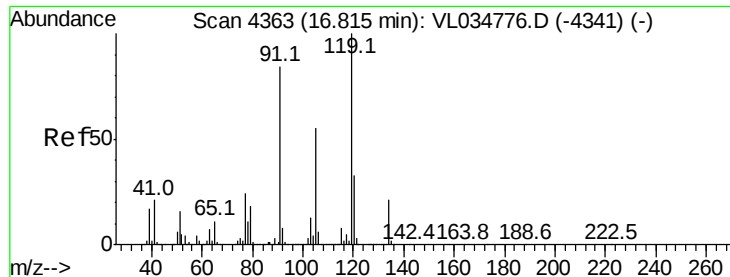
91 453.6 379.4 569.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.687 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

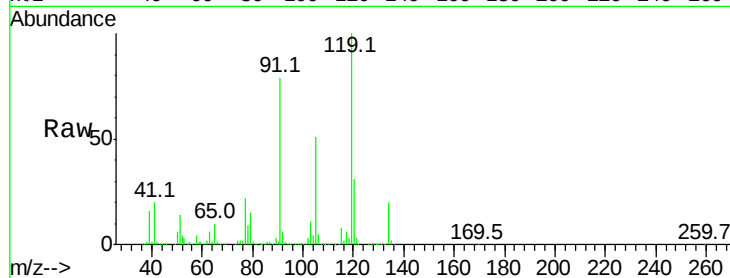
Tgt Ion: 119 Resp: 2558028

Ion Ratio Lower Upper

119 100

91 81.1 69.8 104.6

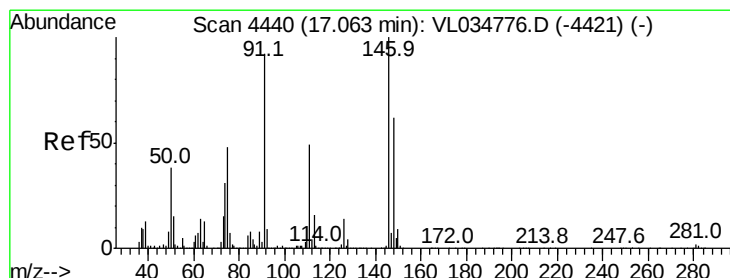
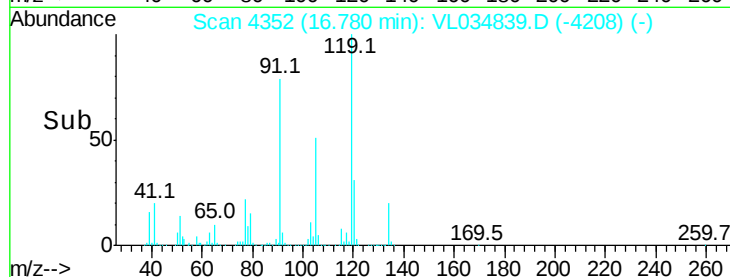
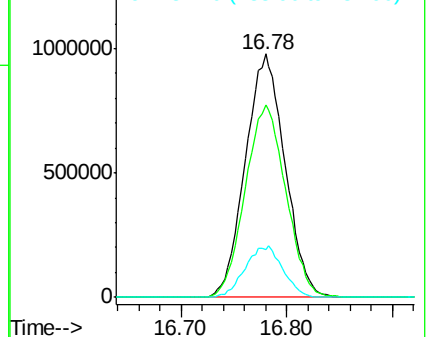
134 20.0 15.9 23.9



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: 12.606 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

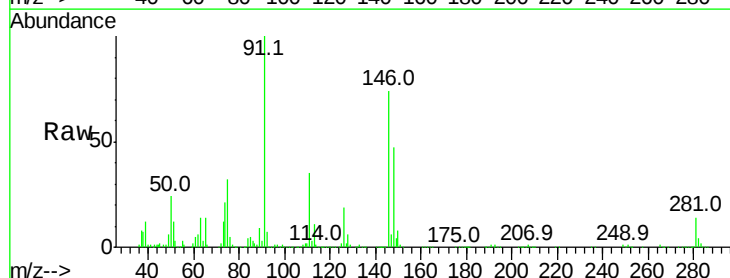
Tgt Ion: 91 Resp: 1356140

Ion Ratio Lower Upper

91 100

126 18.5 12.6 18.8

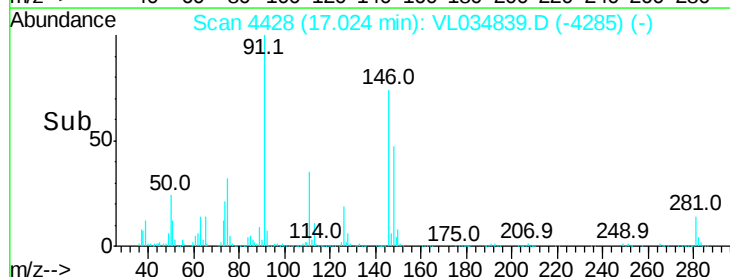
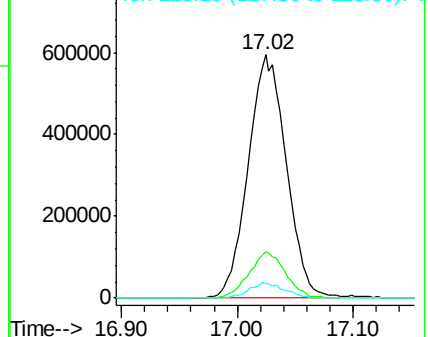
128 5.8 4.3 6.5

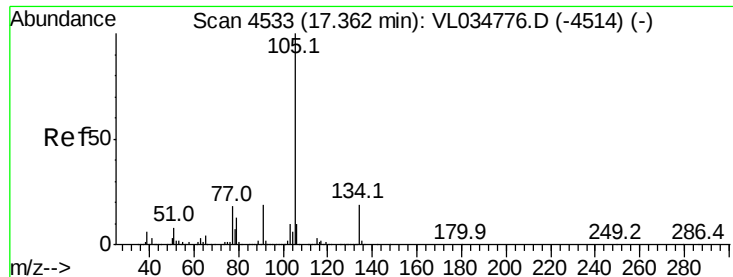


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

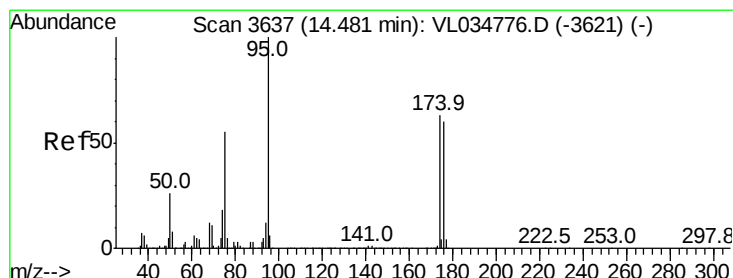
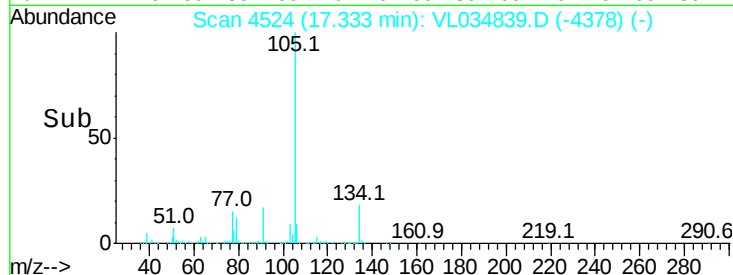
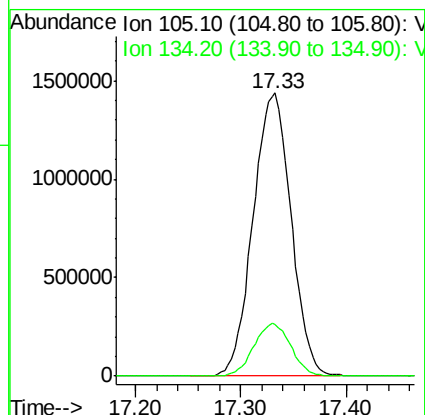
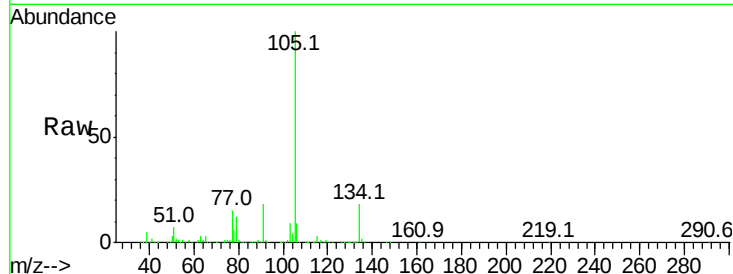




#67
 sec-Butylbenzene
 Concen: 7.440 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

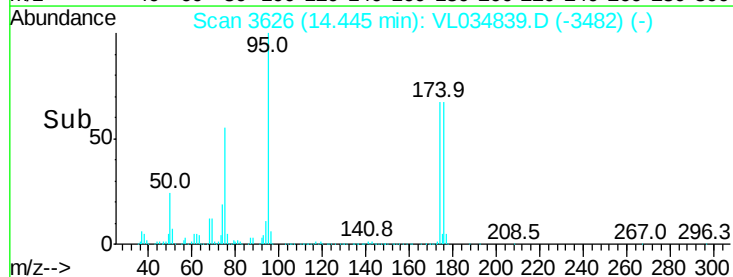
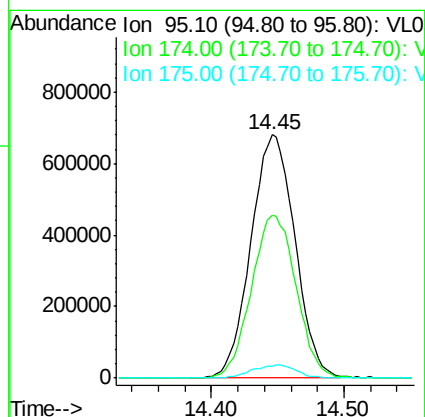
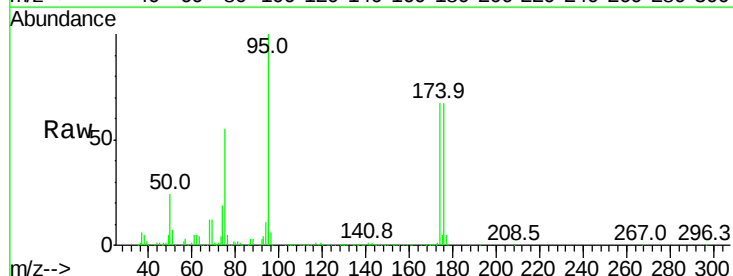
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

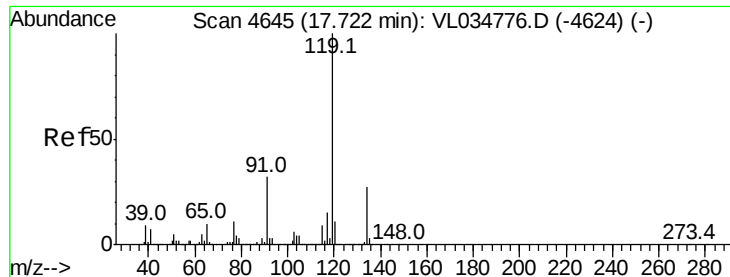
Tgt Ion: 105 Resp: 3607438
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.604 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion: 95 Resp: 1571674
 Ion Ratio Lower Upper
 95 100
 174 68.1 50.6 76.0
 175 5.4 3.8 5.6

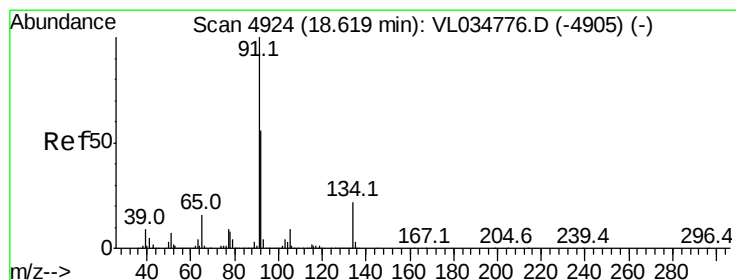
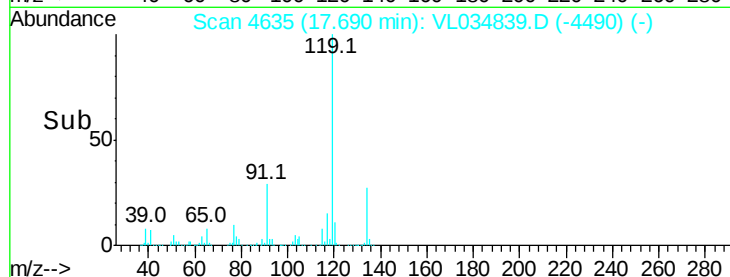
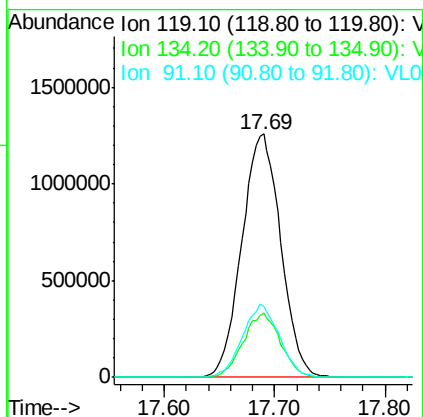
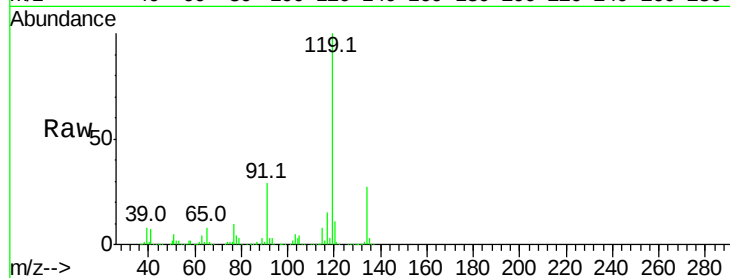




#69
 p-Isopropyltoluene
 Concen: 7.819 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

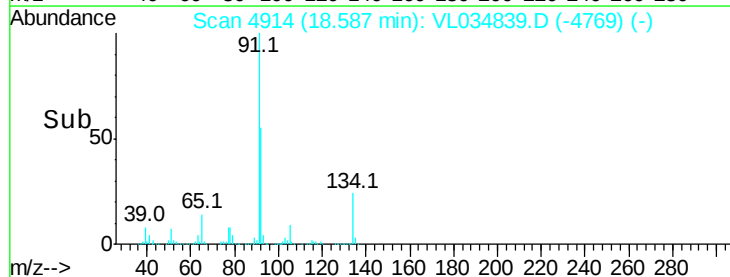
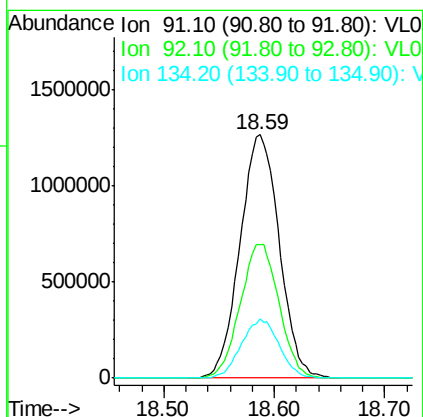
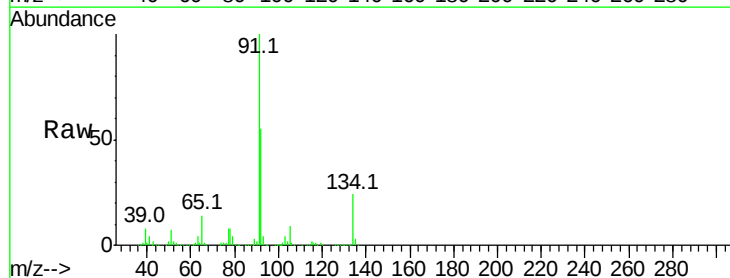
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

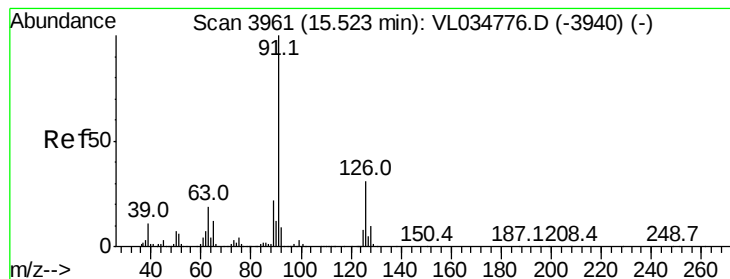
Tgt Ion: 119 Resp: 3068342
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 28.7 25.3 37.9



#70
 n-Butylbenzene
 Concen: 7.279 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion: 91 Resp: 3123346
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 23.6 17.7 26.5





#71

2-Chlorotoluene

Concen: 7.475 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

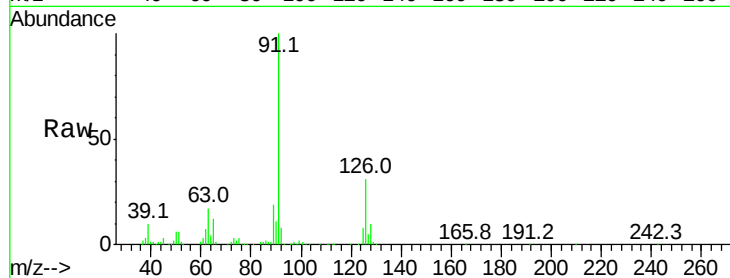
VSTDCCC010EC

Tgt Ion: 91 Resp: 2222909

Ion Ratio Lower Upper

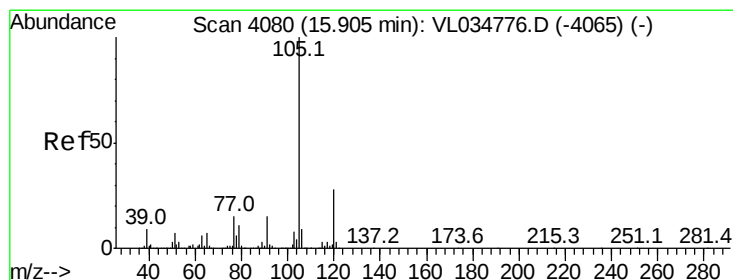
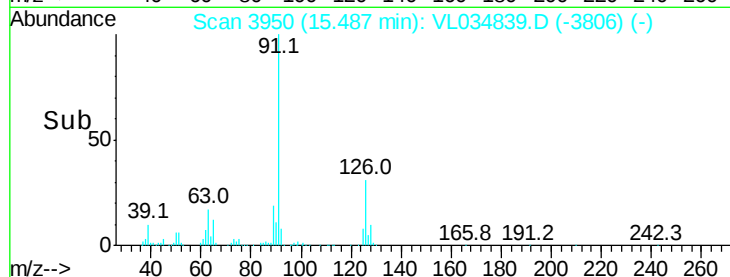
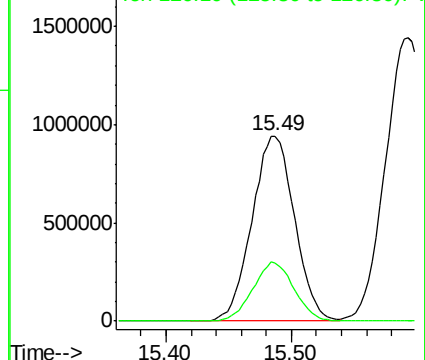
91 100

126 30.8 11.7 46.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.936 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 105 Resp: 2363988

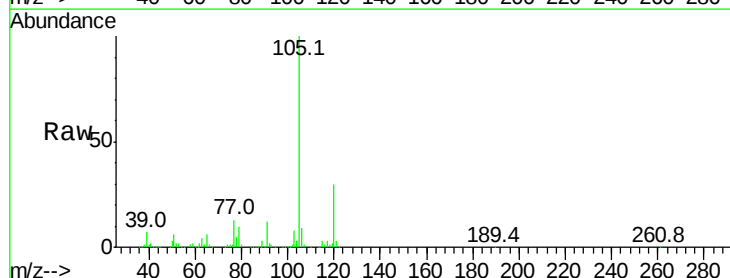
Ion Ratio Lower Upper

105 100

120 29.5 23.0 34.6

91 13.4 11.1 16.7

77 13.7 12.2 18.4

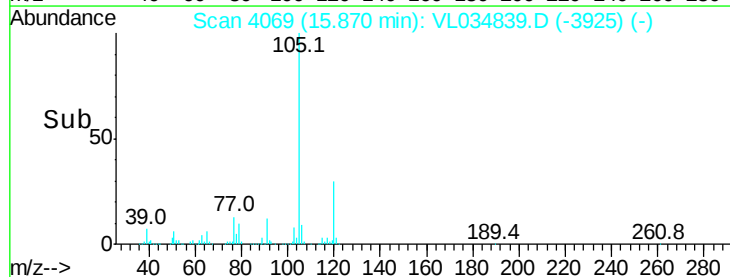
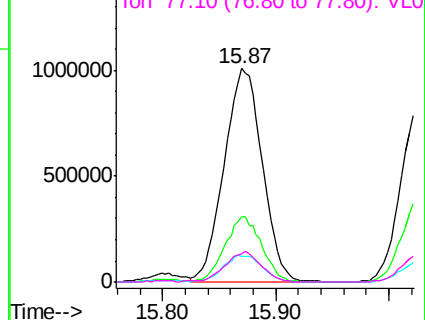


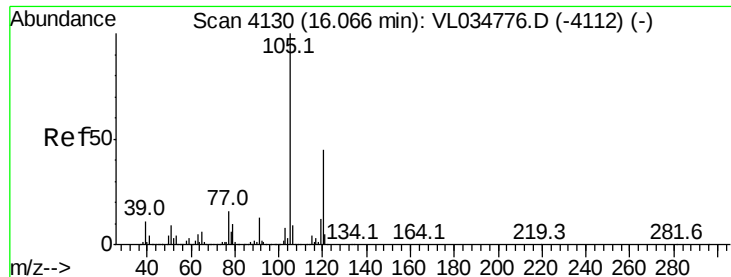
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.738 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

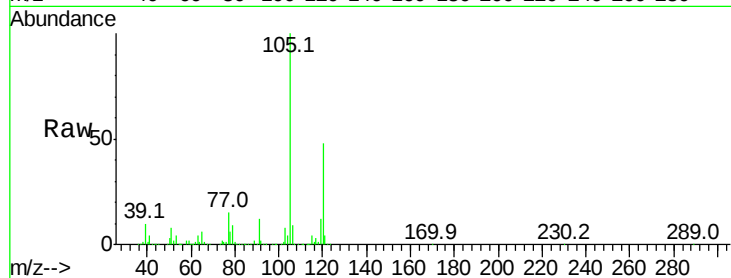
VSTDCCC010EC

Tgt Ion:105 Resp: 2210864

Ion Ratio Lower Upper

105 100

120 48.2 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

1000000

800000

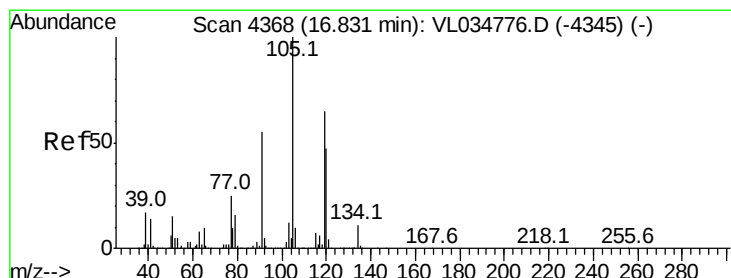
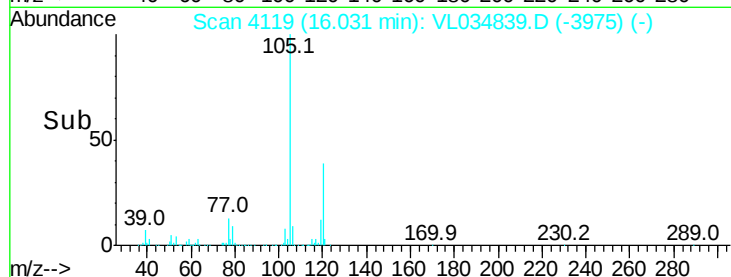
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.311 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:105 Resp: 2270990

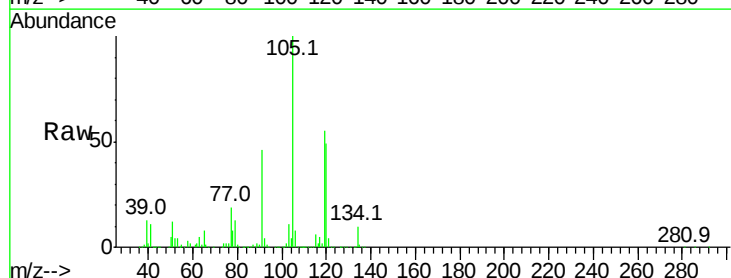
Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.6

91 45.2 43.8 65.8

77 19.3 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

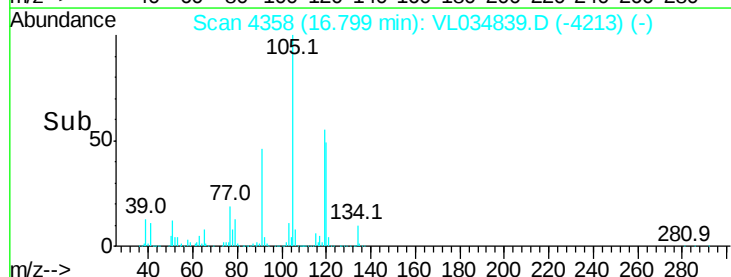
1500000

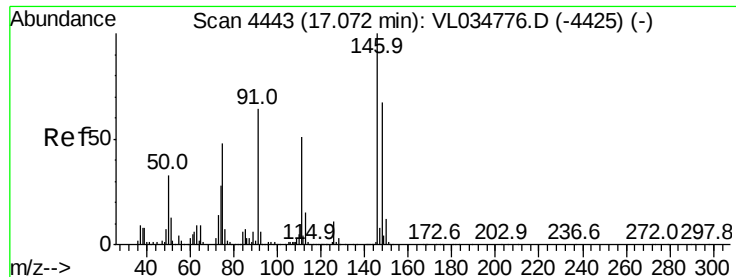
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.264 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

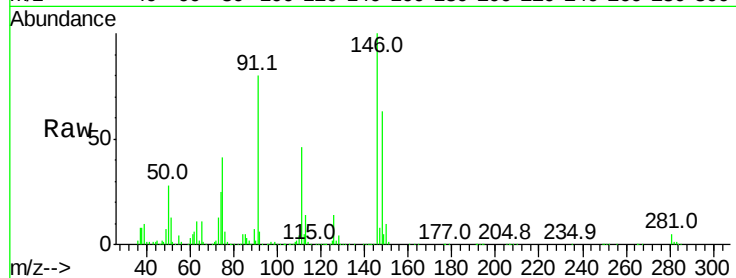
Tgt Ion:146 Resp: 1335639

Ion Ratio Lower Upper

146 100

111 46.5 24.7 74.1

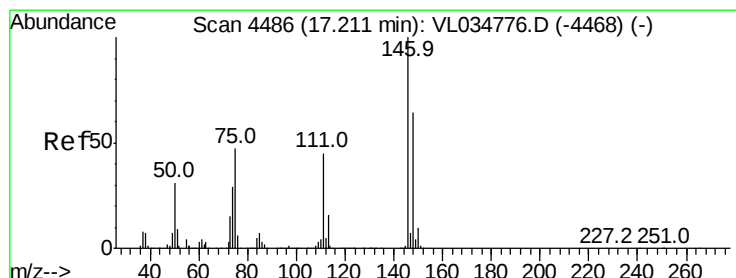
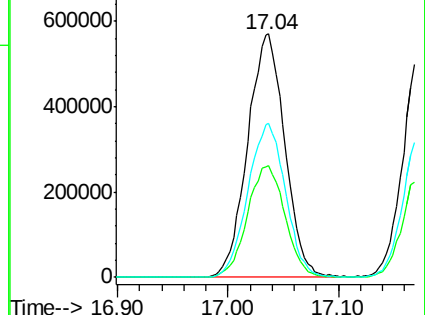
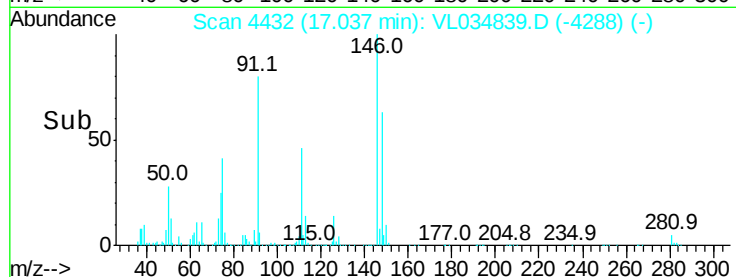
148 64.1 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.697 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

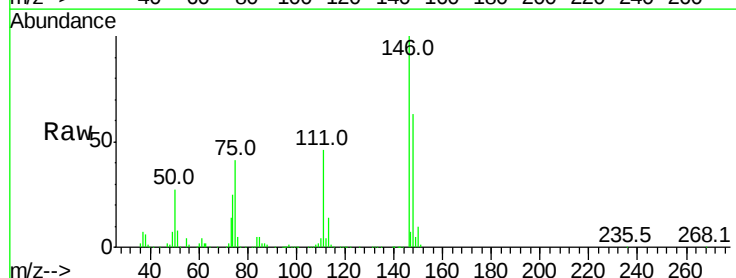
Tgt Ion:146 Resp: 1354350

Ion Ratio Lower Upper

146 100

111 45.6 23.5 70.5

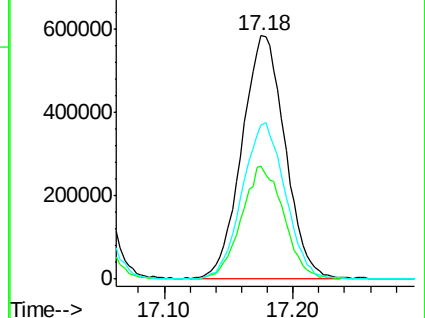
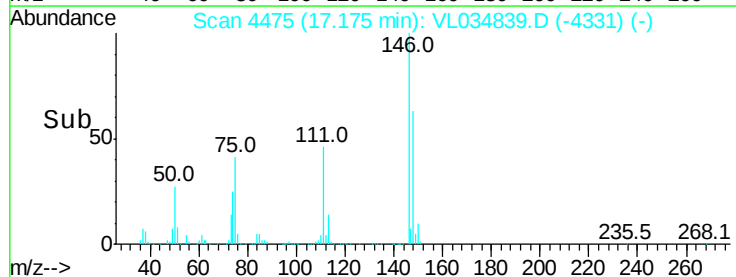
148 65.0 32.2 96.6

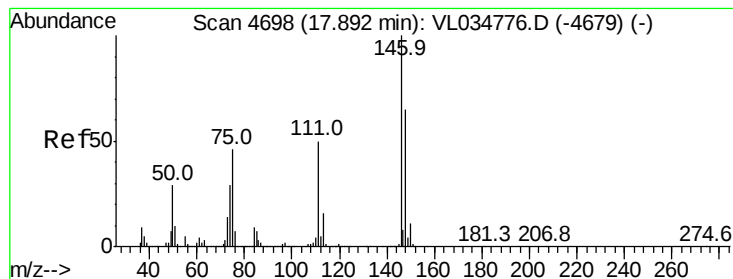


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.562 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

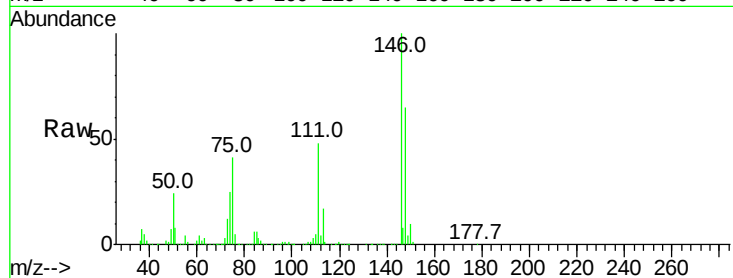
Tgt Ion:146 Resp: 1330071

Ion Ratio Lower Upper

146 100

111 47.8 25.3 75.8

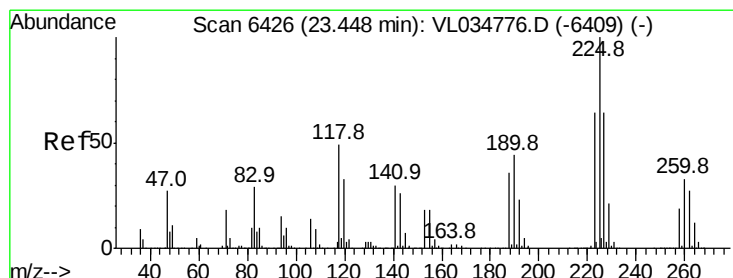
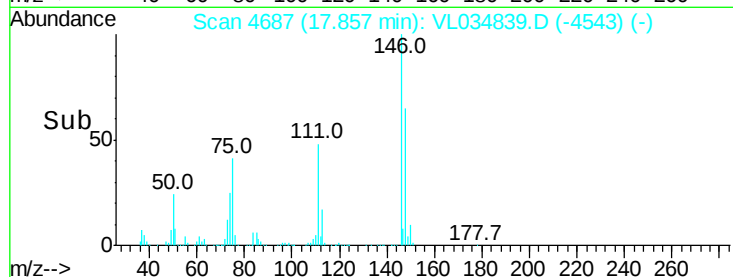
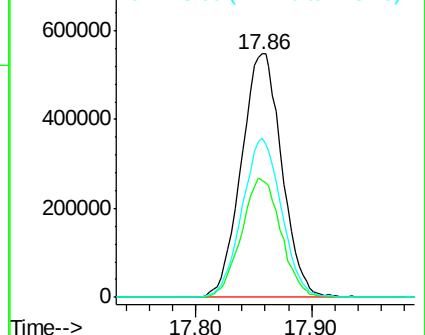
148 63.7 32.3 96.9



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: 8.250 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

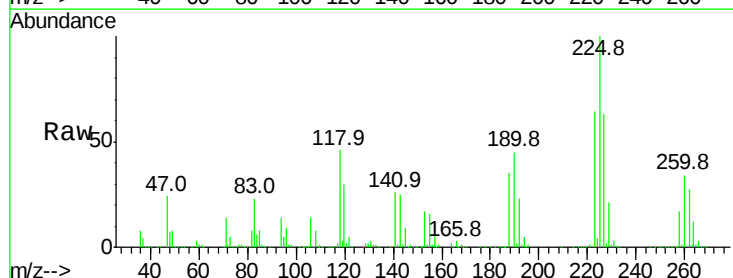
Tgt Ion:225 Resp: 1211041

Ion Ratio Lower Upper

225 100

223 63.4 51.3 76.9

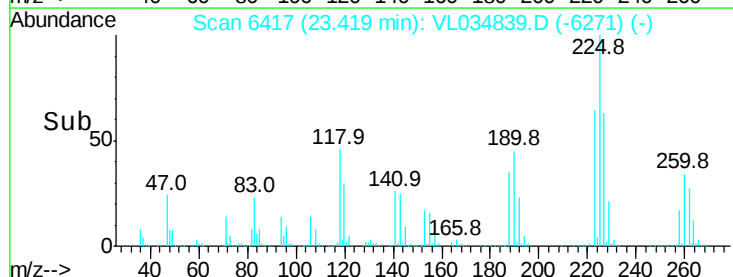
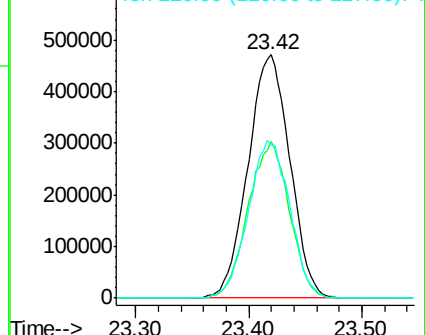
227 64.1 51.9 77.9

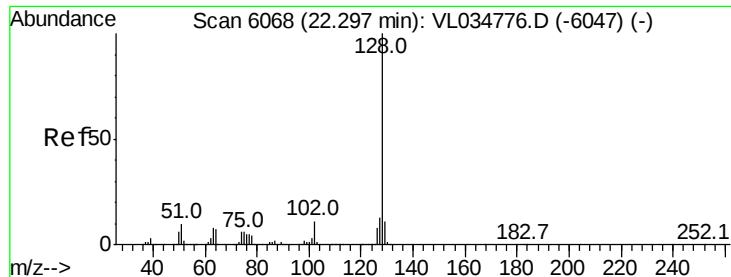


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.182 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

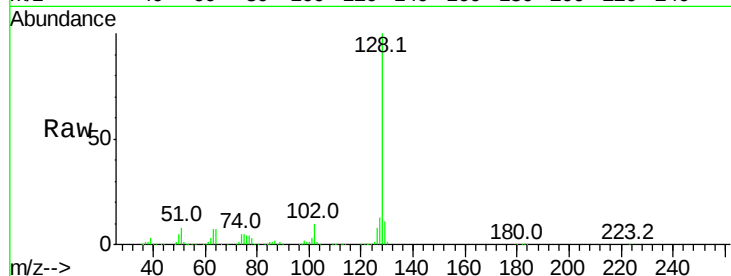
Tgt Ion:128 Resp: 2376712

Ion Ratio Lower Upper

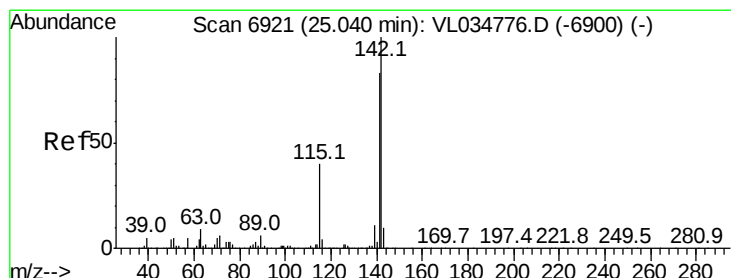
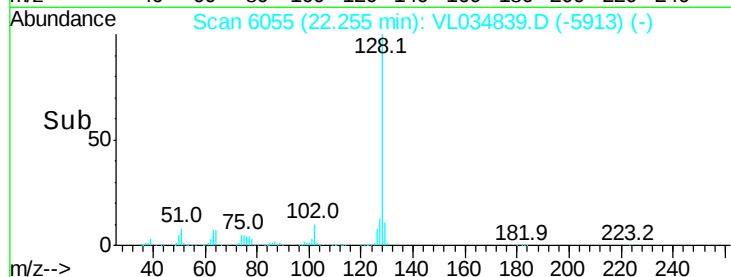
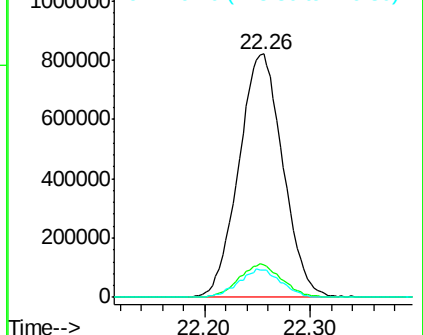
128 100

127 13.3 10.2 15.4

129 11.2 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: 15.140 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

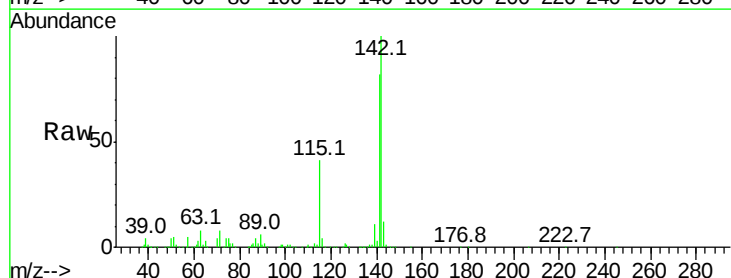
Tgt Ion:142 Resp: 844086

Ion Ratio Lower Upper

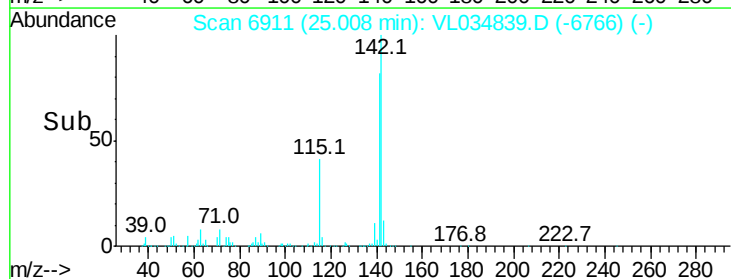
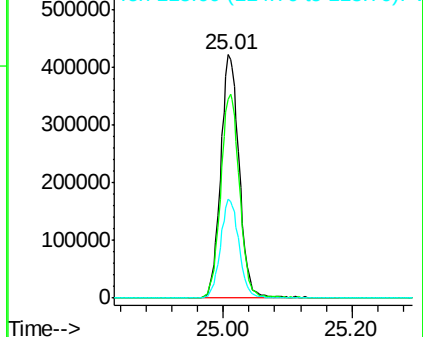
142 100

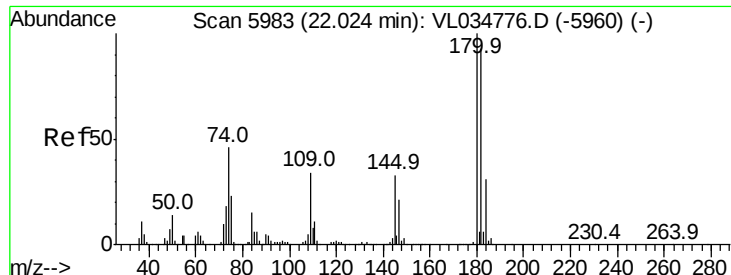
141 85.3 67.7 101.5

115 40.4 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: 5.517 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. -0.05 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

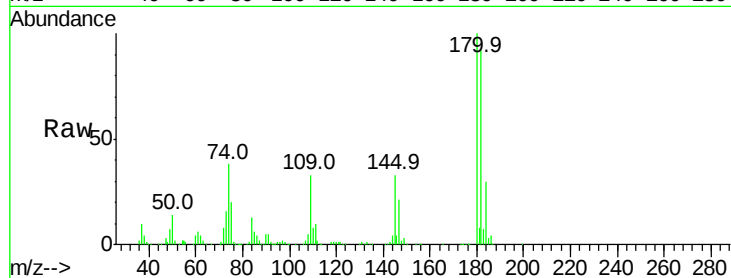
Tgt Ion:180 Resp: 814043

Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

184 52.1 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

