

Data File : VL034865.D
Acq On : 10 Mar 2020 13:42
Operator : SY/AP
Sample : VL0310ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Quant Time: Mar 11 05:50:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	888820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2003603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2068275	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1638927	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1421735	11.681	ppbv	100
3) Chlorodifluoromethane	2.95	51	929843	9.365	ppbv	99
4) Chloromethane	3.10	50	556402	9.915	ppbv	100
5) Vinyl Chloride	3.22	62	520272	9.644	ppbv	96
6) Bromomethane	3.44	94	313927	9.996	ppbv	98
7) Chloroethane	3.52	64	189114	9.707	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1154107	9.130	ppbv	98
9) Propene	2.97	41	434449	9.165	ppbv	100
10) Heptane	8.13	43	1137169	9.747	ppbv	100
11) Trichlorofluoromethane	3.92	101	1185183	9.153	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	849621	9.375	ppbv	97
13) Ethanol	3.57	45	58203	4.039	ppbv	62
14) Bromoethene	3.71	108	370368	9.463	ppbv	99
15) Acetone	3.82	43	1079536	9.371	ppbv	99
16) 1,3-Butadiene	3.29	39	489023	9.387	ppbv	99
17) tert-Butyl alcohol	4.27	59	869211	7.832	ppbv	100
18) 1,1-Dichloroethene	4.26	96	386976	9.642	ppbv	99
19) Isopropyl Alcohol	3.94	45	573922	7.889	ppbv #	40
20) Methylene Chloride	4.32	84	336929	9.251	ppbv	98
21) Allyl Chloride	4.39	41	699790	9.458	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	386857	9.501	ppbv	99
23) Vinyl Acetate	5.06	43	1684422	9.898	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1066551	9.349	ppbv	99
25) Ethyl Acetate	5.67	43	1909106	9.302	ppbv	100
26) Hexane	5.68	57	829904	9.390	ppbv	99
27) Carbon Disulfide	4.53	76	960621	9.579	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1355567	9.219	ppbv	100
29) Chloroform	5.75	83	1264689	9.379	ppbv	97
30) Cyclohexane	7.14	84	714956	9.696	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	860398	9.520	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1264946	9.627	ppbv	99
34) 2-Butanone	5.23	43	1276459	9.587	ppbv	99
35) Carbon Tetrachloride	7.02	117	1281163	10.281	ppbv	99
36) Benzene	6.90	78	1677329	9.392	ppbv	99
37) 1,2-Dichloroethane	6.31	62	998978	9.920	ppbv	99
38) Trichloroethene	7.85	130	639462	9.428	ppbv	96
39) 1,2-Dichloropropane	7.62	63	669059	9.456	ppbv	97
40) 1,4-Dioxane	7.84	88	118472	4.433	ppbv #	1
41) Tetrahydrofuran	6.04	42	719087	9.981	ppbv	100
42) Bromodichloromethane	7.81	83	1350253	9.838	ppbv	99
43) Methyl Methacrylate	8.02	69	769467	10.227	ppbv	99

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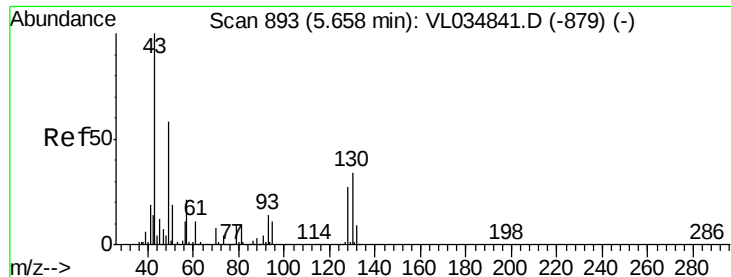
Quant Time: Mar 11 05:50:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2937322	9.733	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	915803	10.360	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1069589	10.183	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	692649	9.539	ppbv	98
48) Dibromochloromethane	10.33	129	1129156	9.602	ppbv	99
49) Bromoform	13.08	173	974107	9.290	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1881623	9.817	ppbv	100
51) 2-Hexanone	10.15	43	1542236	9.901	ppbv #	99
52) Tetrachloroethene	11.25	164	607470	8.598	ppbv	96
53) Toluene	9.83	91	1966414	9.535	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1040055	9.515	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	859789	9.254	ppbv	99
57) Chlorobenzene	12.18	112	1455470	8.994	ppbv	96
58) Ethyl Benzene	12.74	91	2618282	9.348	ppbv	97
59) m/p-Xylene	13.03	91	2060182	8.780	ppbv #	26
60) o-Xylene	13.73	91	2108627	9.203	ppbv	98
61) Styrene	13.56	104	1567398	9.748	ppbv	100
62) Isopropylbenzene	14.71	105	3118951	9.003	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1413617	9.088	ppbv	99
64) n-propylbenzene	15.60	120	810384	8.988	ppbv	94
65) tert-Butylbenzene	16.79	119	2703548	8.927	ppbv	99
66) Benzyl Chloride	17.03	91	1312304	10.392	ppbv	98
67) sec-Butylbenzene	17.34	105	3842473	9.150	ppbv	99
69) p-Isopropyltoluene	17.70	119	3236356	9.191	ppbv	100
70) n-Butylbenzene	18.59	91	3365966	9.369	ppbv	99
71) 2-Chlorotoluene	15.49	91	2376901	9.060	ppbv	99
72) 4-Ethyltoluene	15.88	105	2498670	9.235	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2356281	9.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	2426153	9.297	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1401982	8.910	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1413007	8.999	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1391797	9.125	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	1228178	9.641	ppbv	99
79) Naphthalene	22.26	128	2490931	12.240	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	996439	18.736	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1447654	11.197	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. 0.00 min

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VL0310ABS01

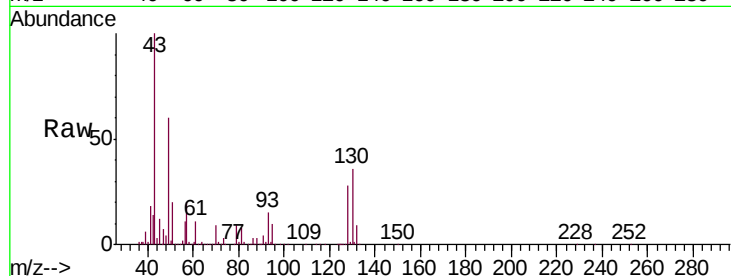
Tgt Ion: 49 Resp: 888820

Ion Ratio Lower Upper

49 100

128 46.2 23.4 70.3

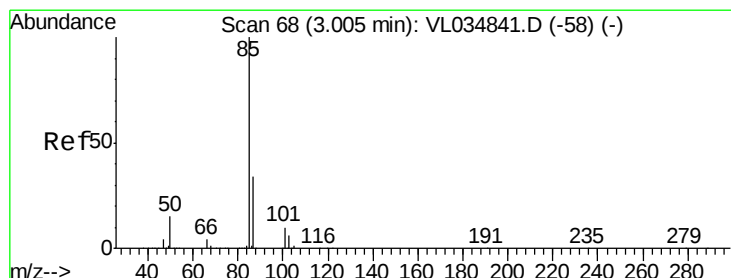
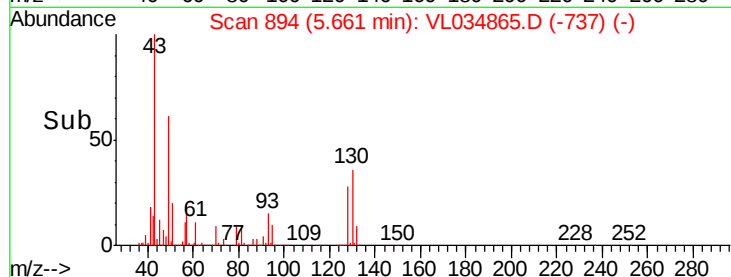
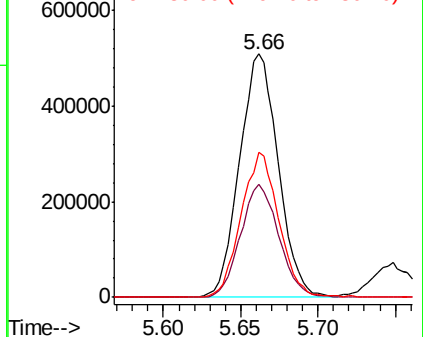
130 58.1 30.0 90.0



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: 11.681 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034865.D

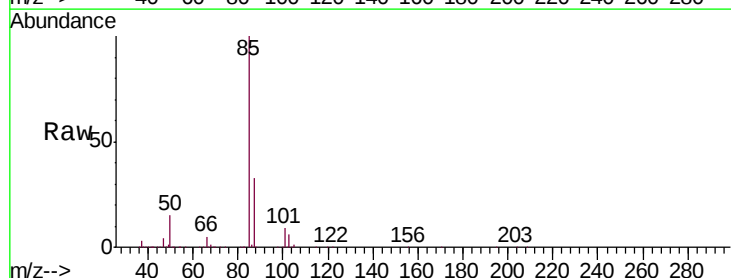
Acq: 10 Mar 2020 13:42

Tgt Ion: 85 Resp: 1421735

Ion Ratio Lower Upper

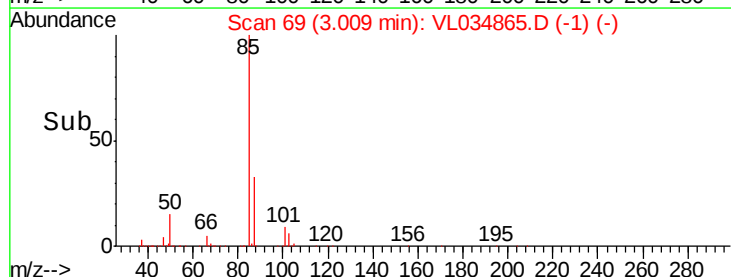
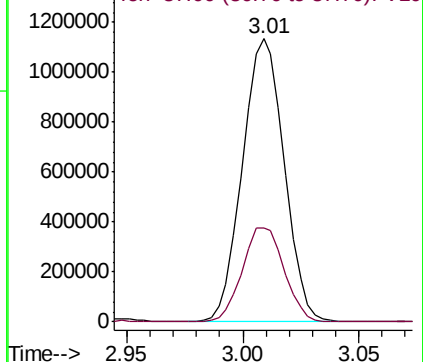
85 100

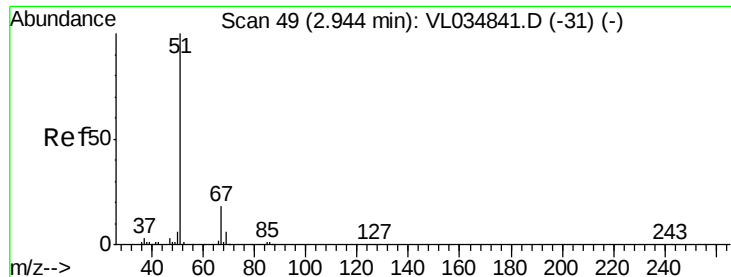
87 33.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

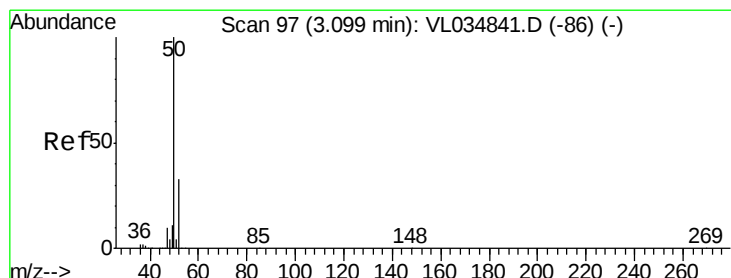
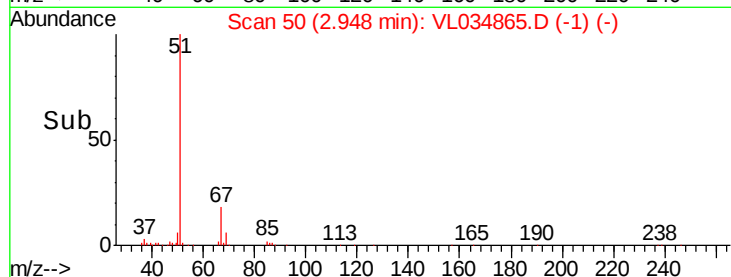
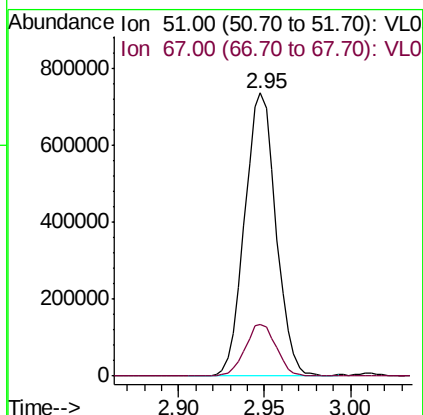
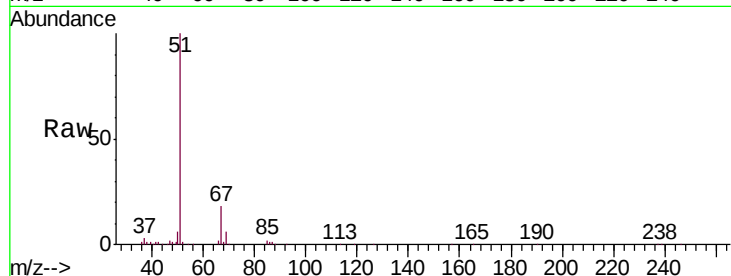




#3
Chlorodifluoromethane
Concen: 9.365 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

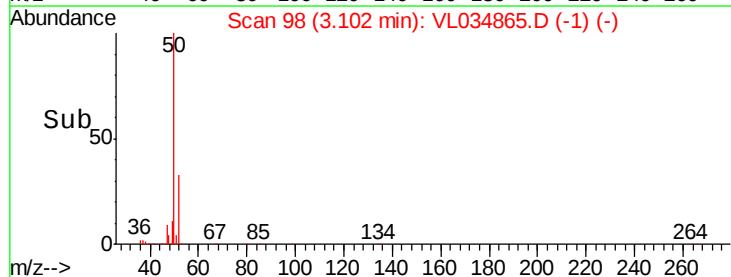
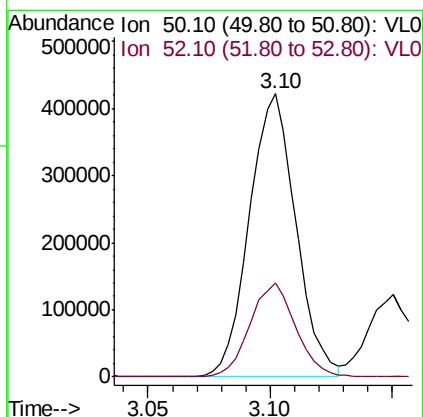
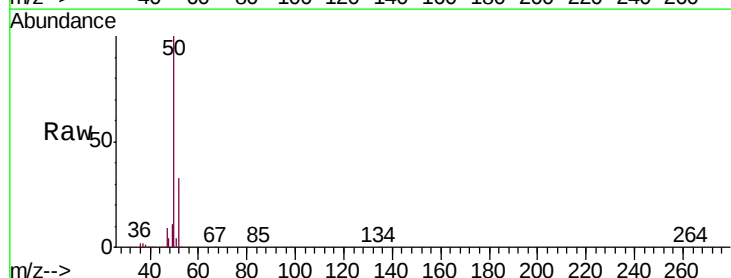
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

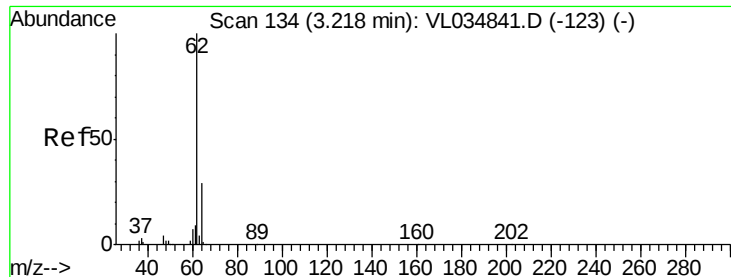
Tgt Ion: 51 Resp: 929843
Ion Ratio Lower Upper
51 100
67 18.4 14.3 21.5



#4
Chloromethane
Concen: 9.915 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 50 Resp: 556402
Ion Ratio Lower Upper
50 100
52 33.4 26.8 40.2





#5

Vinyl Chloride

Concen: 9.644 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

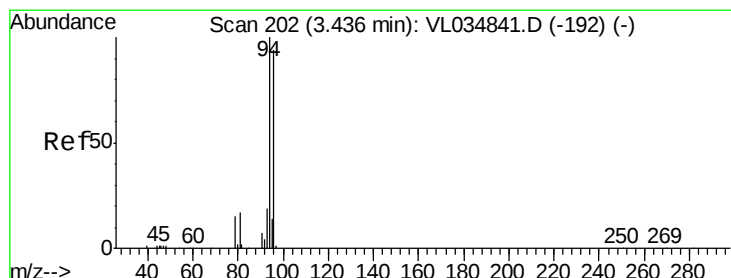
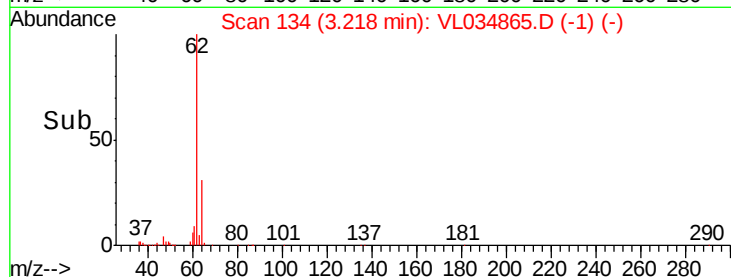
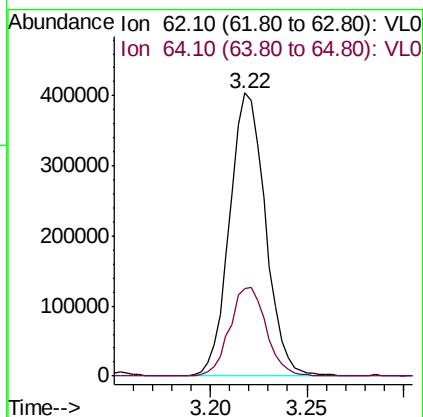
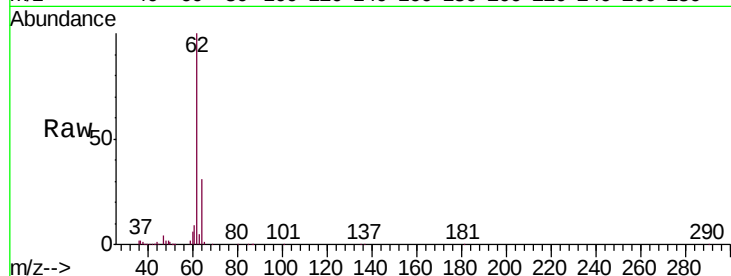
VL0310ABS01

Tgt Ion: 62 Resp: 520272

Ion Ratio Lower Upper

62 100

64 30.6 23.0 34.4



#6

Bromomethane

Concen: 9.996 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034865.D

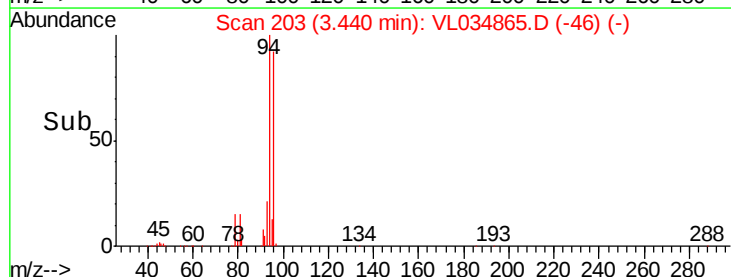
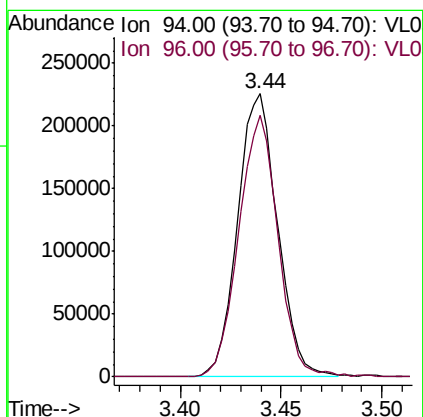
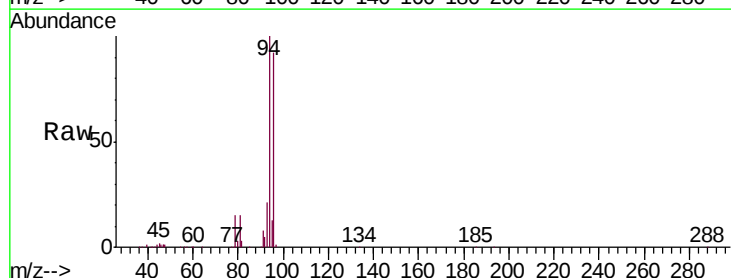
Acq: 10 Mar 2020 13:42

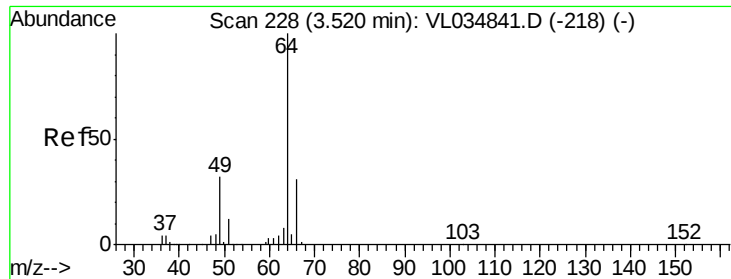
Tgt Ion: 94 Resp: 313927

Ion Ratio Lower Upper

94 100

96 92.1 75.5 113.3





#7

Chloroethane

Concen: 9.707 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

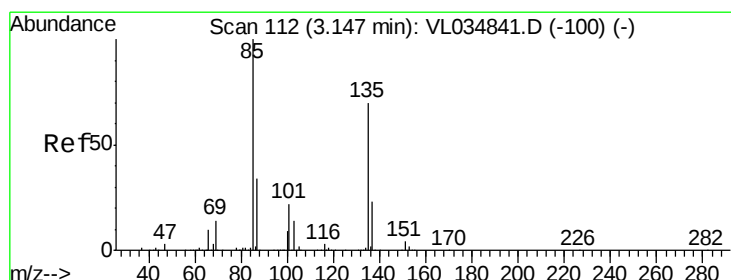
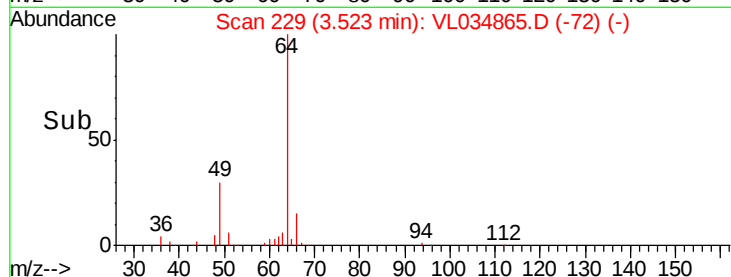
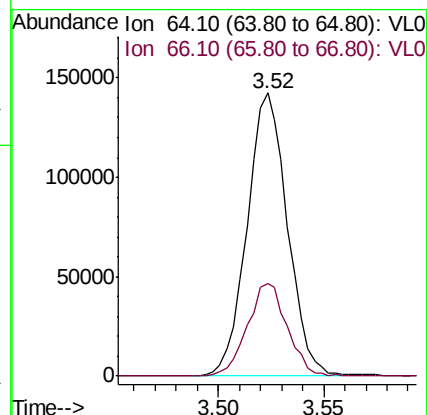
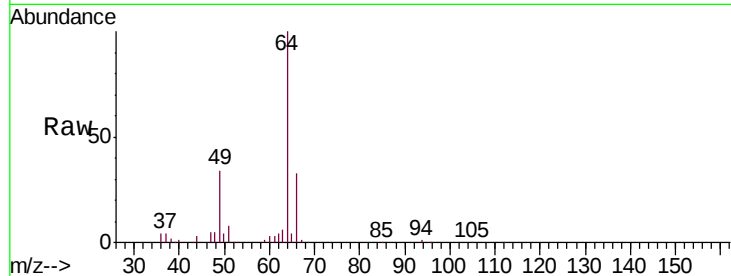
VL0310ABS01

Tgt Ion: 64 Resp: 189114

Ion Ratio Lower Upper

64 100

66 32.6 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.130 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034865.D

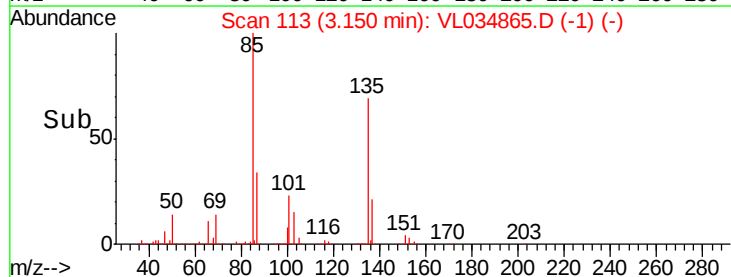
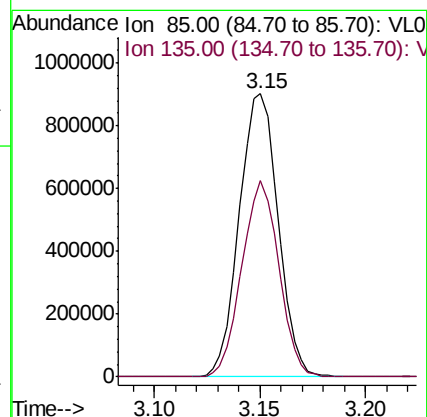
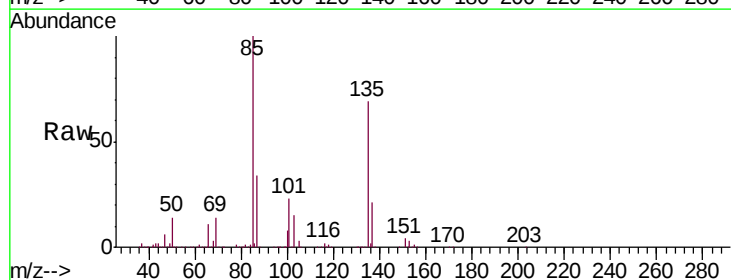
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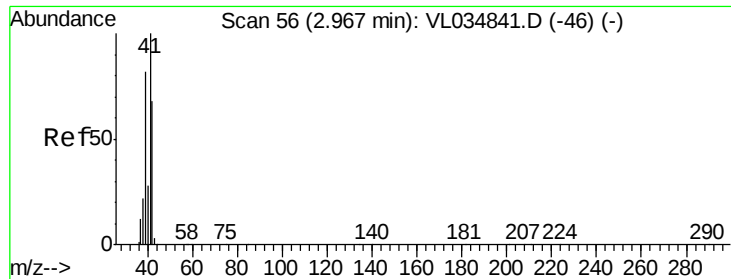
Tgt Ion: 85 Resp: 1154107

Ion Ratio Lower Upper

85 100

135 66.6 54.3 81.5





#9

Propene

Concen: 9.165 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

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ClientSampleId :

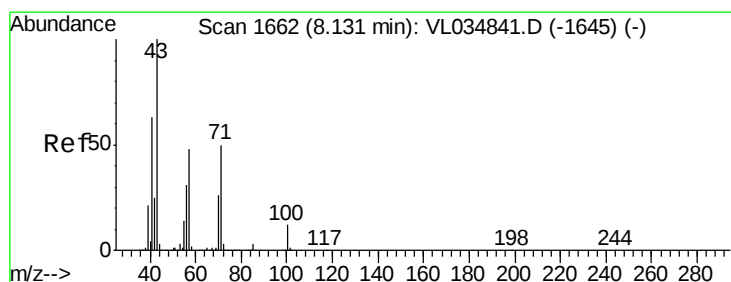
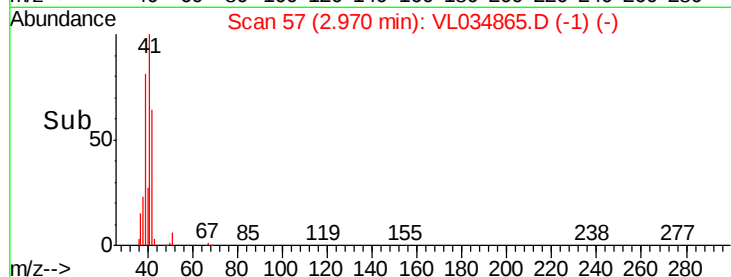
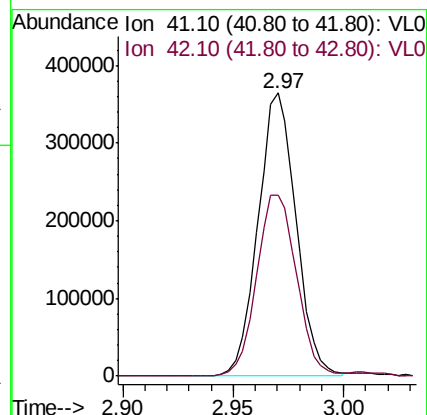
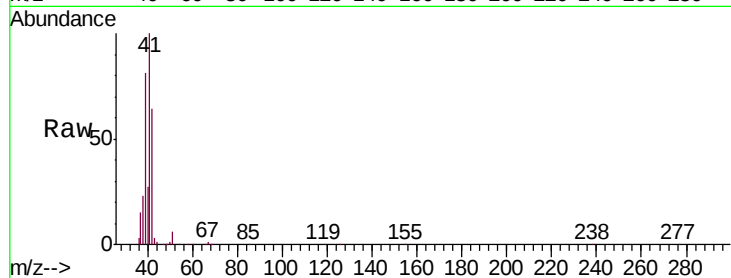
VL0310ABS01

Tgt Ion: 41 Resp: 434449

Ion Ratio Lower Upper

41 100

42 68.9 55.2 82.8



#10

Heptane

Concen: 9.747 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL034865.D

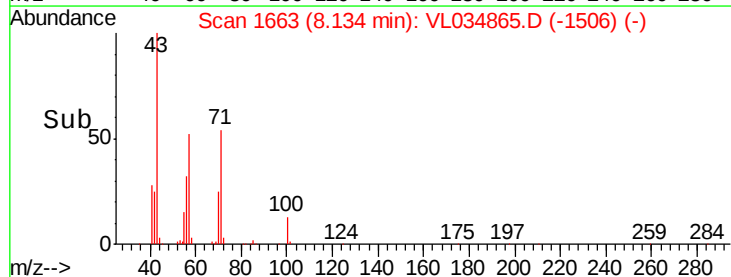
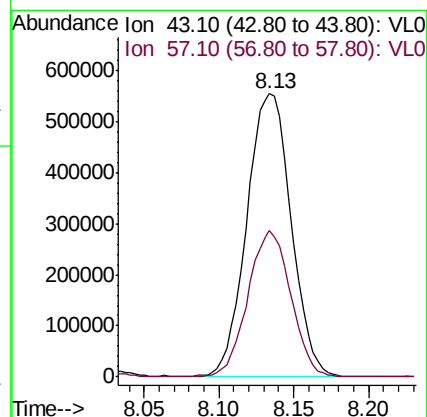
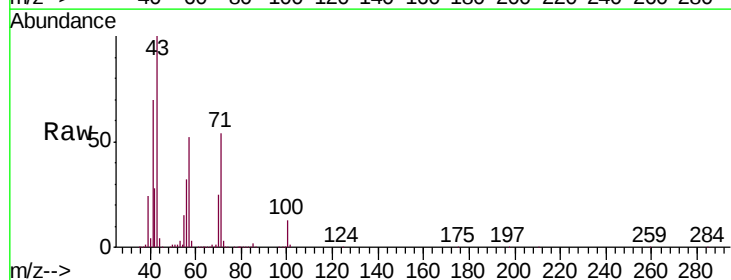
Acq: 10 Mar 2020 13:42

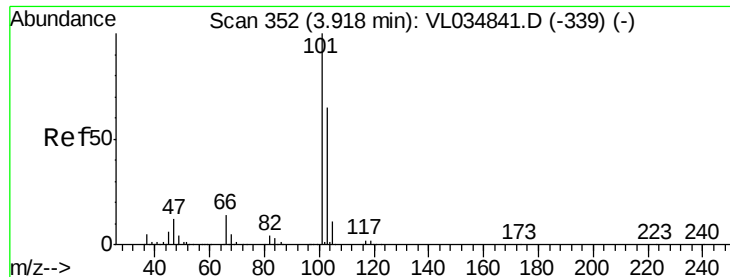
Tgt Ion: 43 Resp: 1137169

Ion Ratio Lower Upper

43 100

57 49.9 39.7 59.5

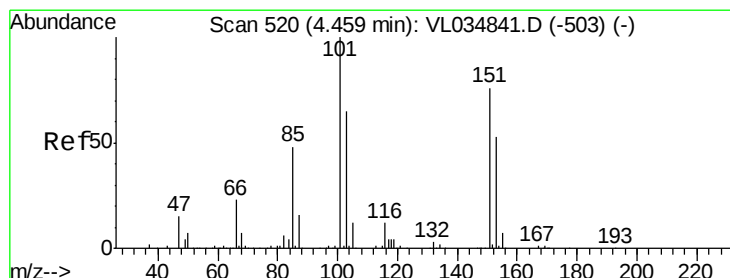
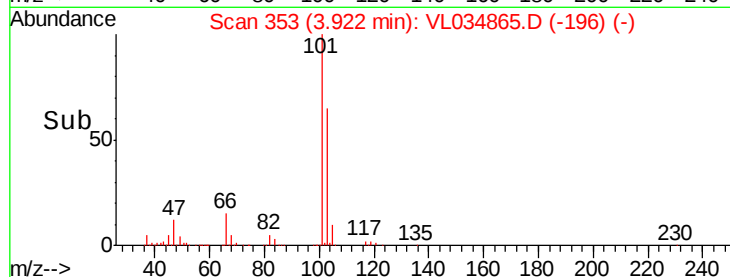
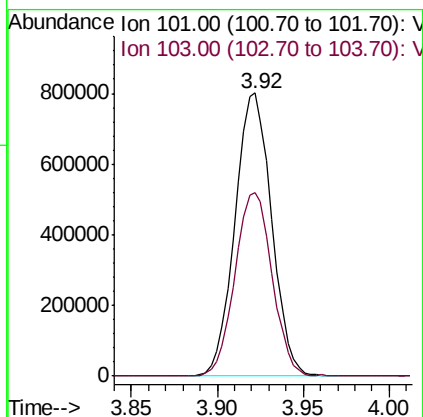
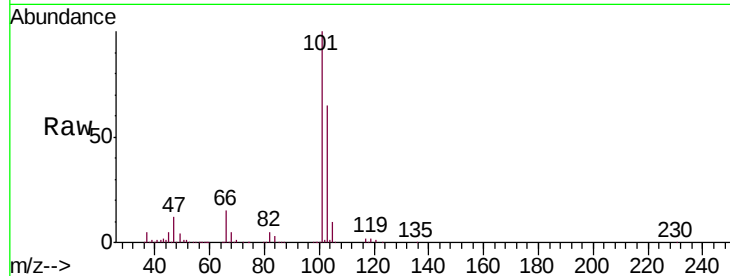




#11
 Trichlorofluoromethane
 Concen: 9.153 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

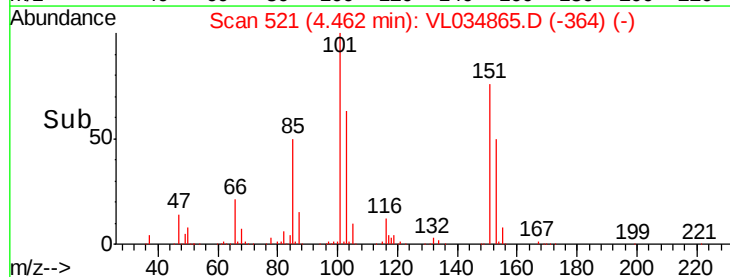
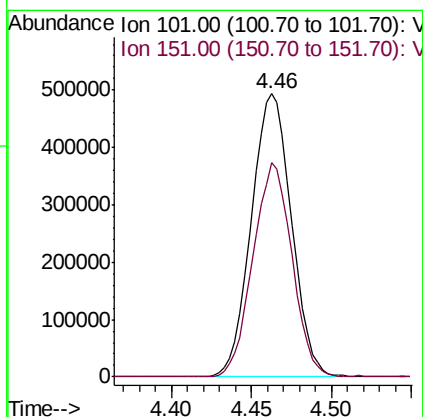
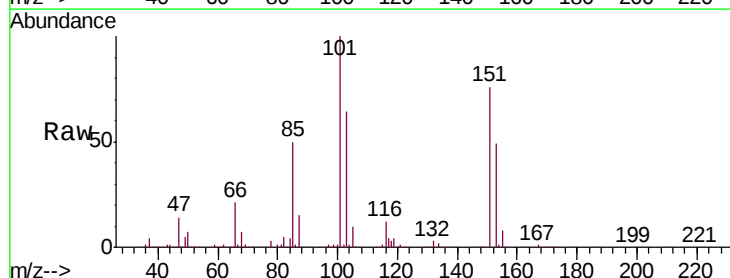
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

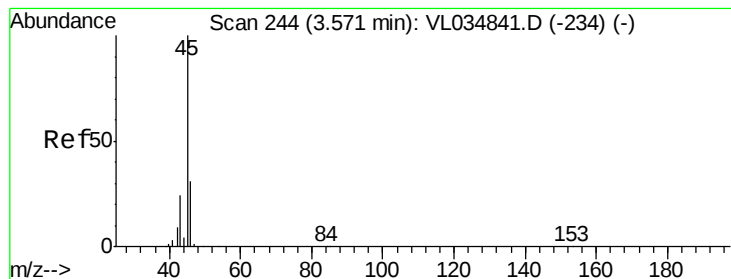
Tgt Ion:101 Resp: 1185183
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.375 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion:101 Resp: 849621
 Ion Ratio Lower Upper
 101 100
 151 73.8 60.8 91.2





#13

Ethanol

Concen: 4.039 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

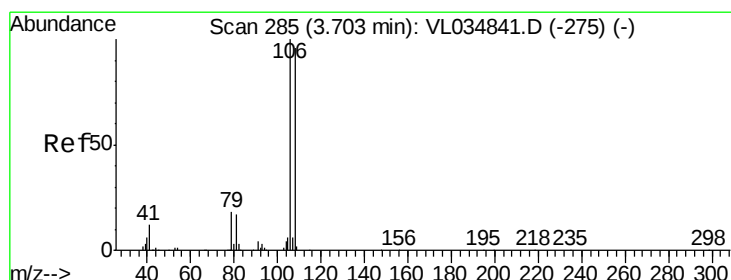
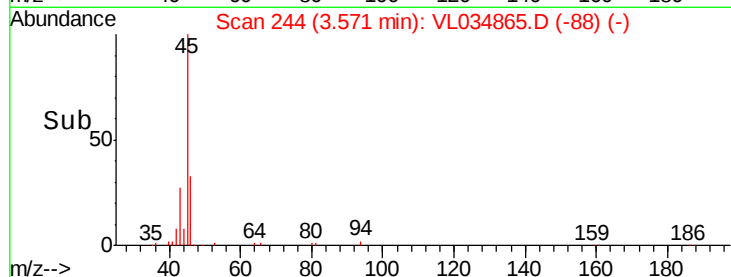
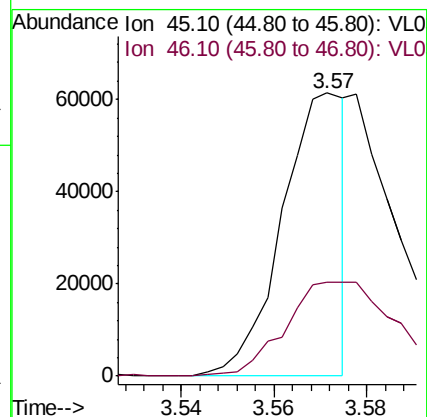
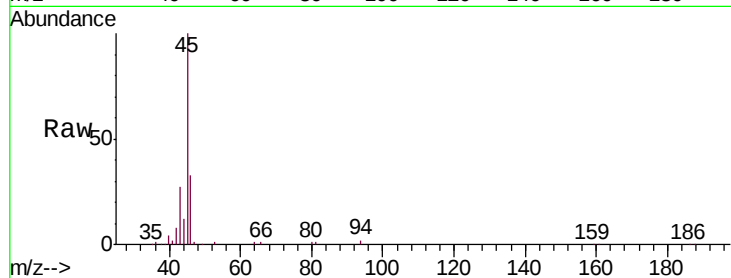
VL0310ABS01

Tgt Ion: 45 Resp: 58203

Ion Ratio Lower Upper

45 100

46 63.3 16.0 64.0



#14

Bromoethene

Concen: 9.463 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

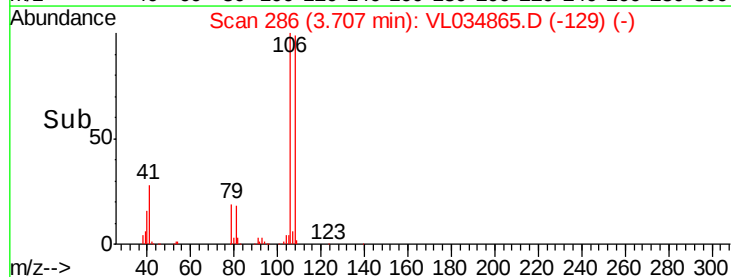
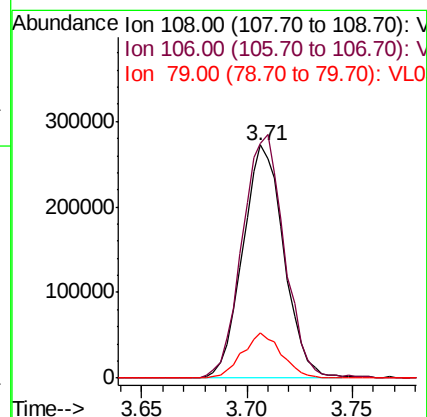
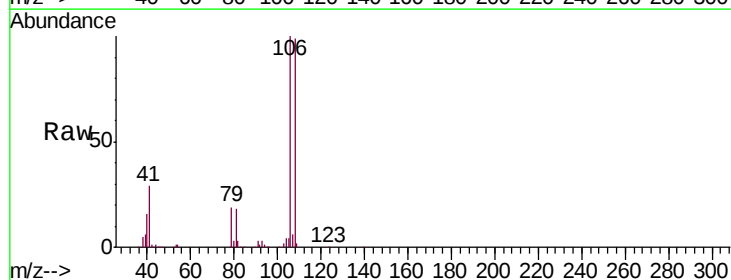
Tgt Ion: 108 Resp: 370368

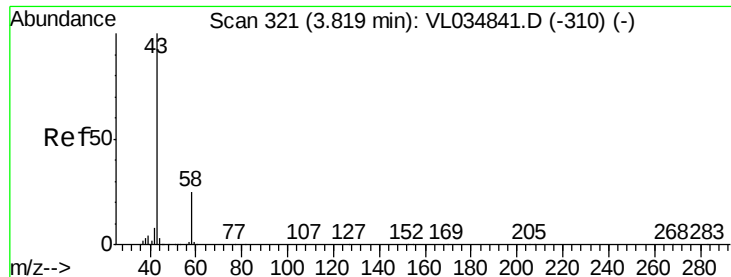
Ion Ratio Lower Upper

108 100

106 107.4 85.1 127.7

79 18.5 14.7 22.1





#15

Acetone

Concen: 9.371 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

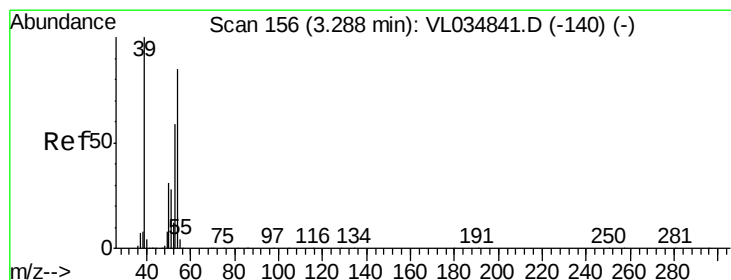
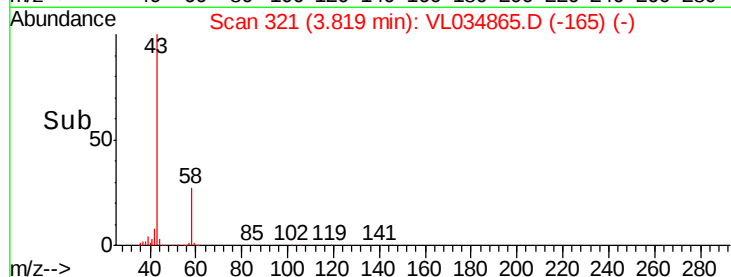
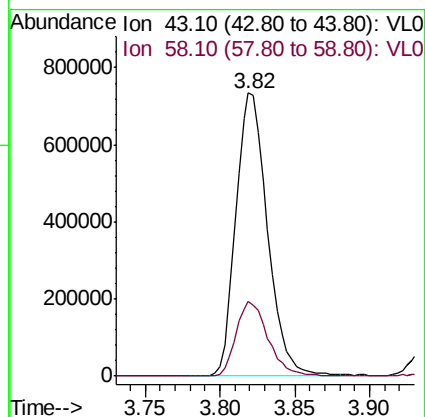
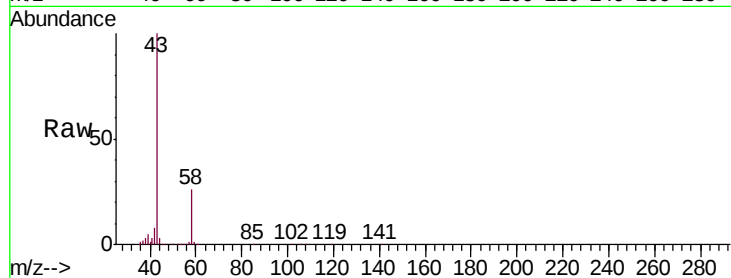
VL0310ABS01

Tgt Ion: 43 Resp: 1079536

Ion Ratio Lower Upper

43 100

58 27.0 21.0 31.6



#16

1,3-Butadiene

Concen: 9.387 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034865.D

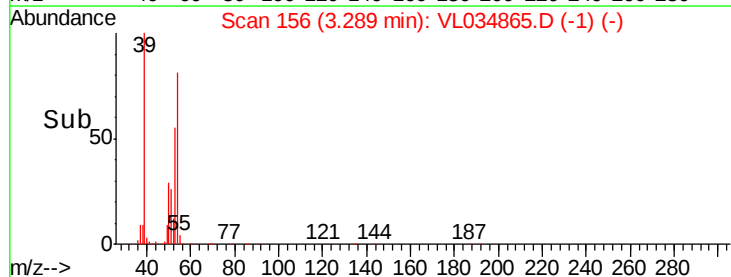
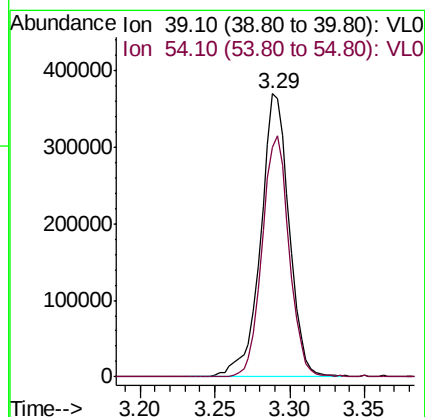
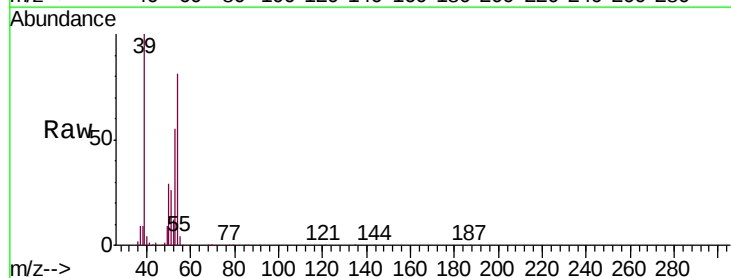
Acq: 10 Mar 2020 13:42

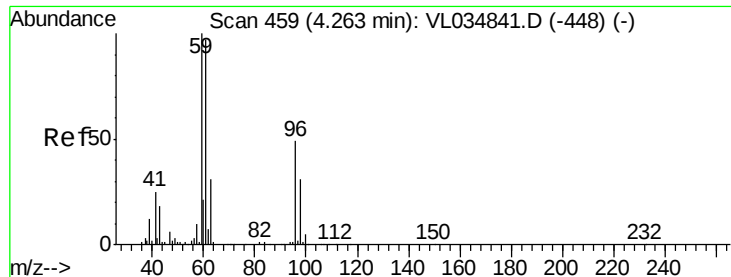
Tgt Ion: 39 Resp: 489023

Ion Ratio Lower Upper

39 100

54 80.7 65.0 97.6





#17

tert-Butyl alcohol

Concen: 7.832 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

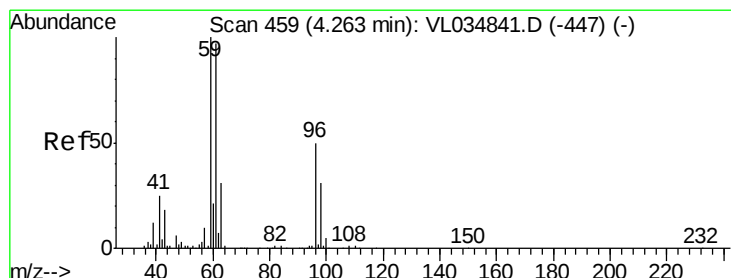
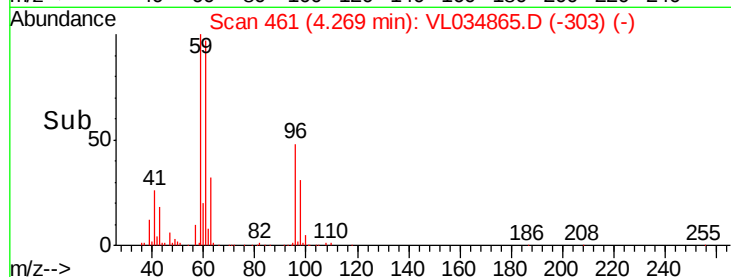
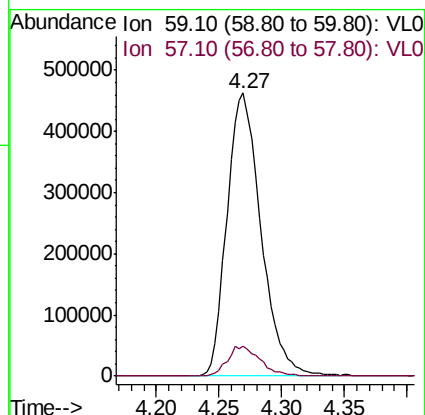
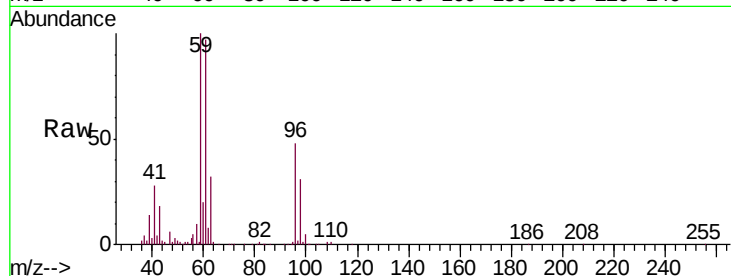
VL0310ABS01

Tgt Ion: 59 Resp: 869211

Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.642 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

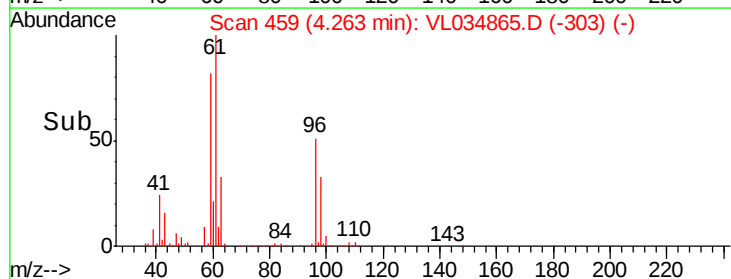
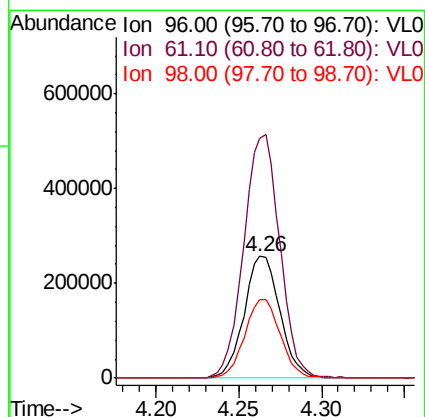
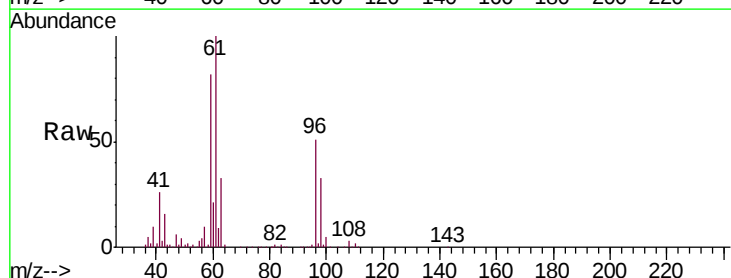
Tgt Ion: 96 Resp: 386976

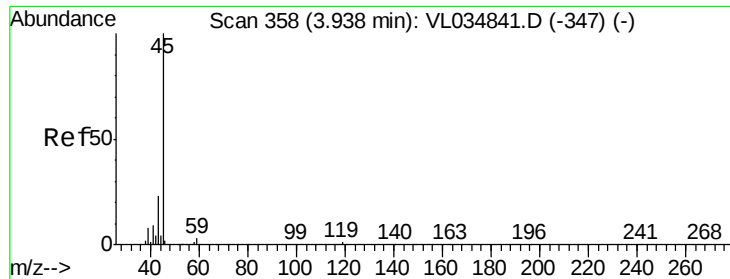
Ion Ratio Lower Upper

96 100

61 196.8 157.3 235.9

98 64.7 50.2 75.4





#19

Isopropyl Alcohol

Concen: 7.889 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

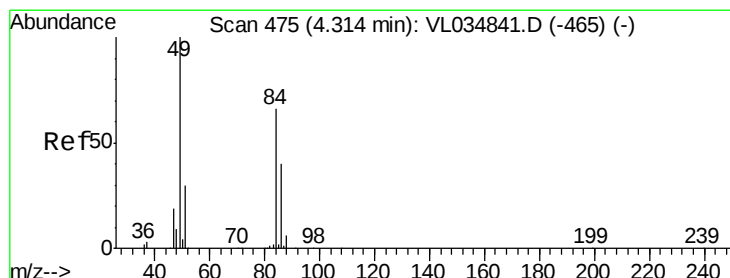
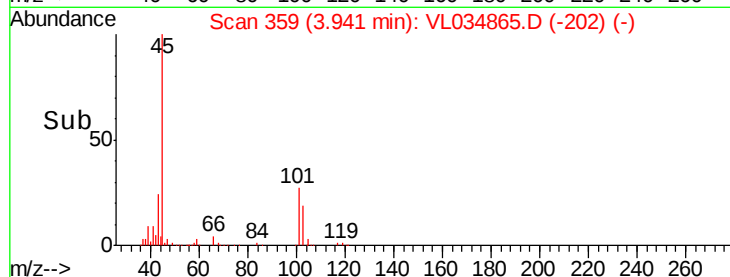
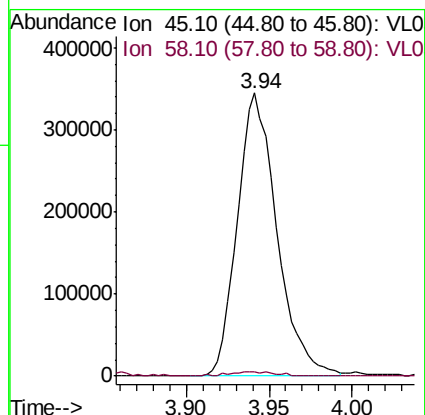
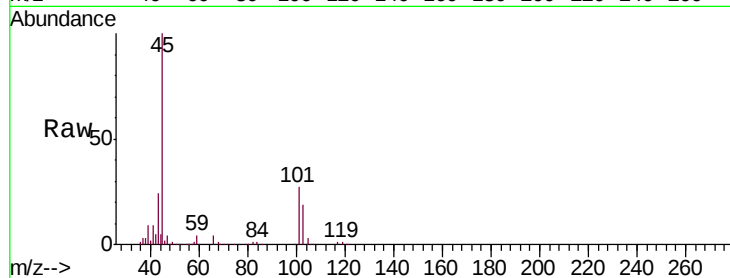
VL0310ABS01

Tgt Ion: 45 Resp: 573922

Ion Ratio Lower Upper

45 100

58 2.0 30.5 45.7#



#20

Methylene Chloride

Concen: 9.251 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion: 84 Resp: 336929

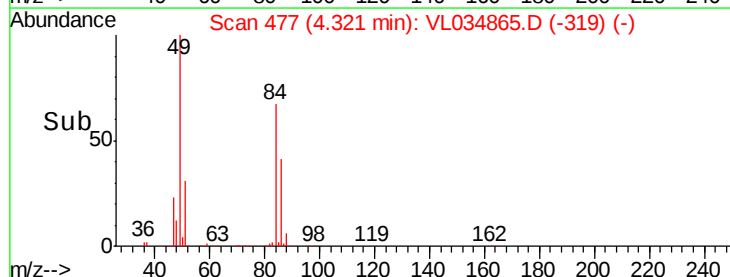
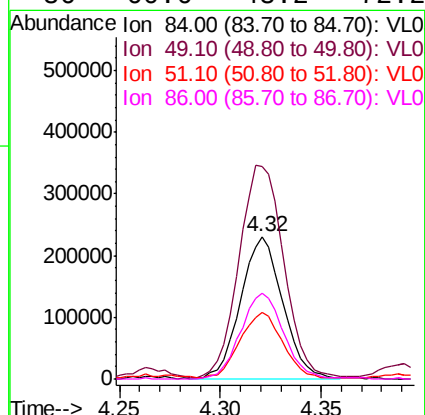
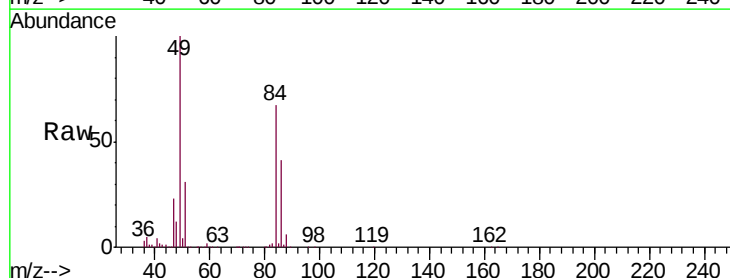
Ion Ratio Lower Upper

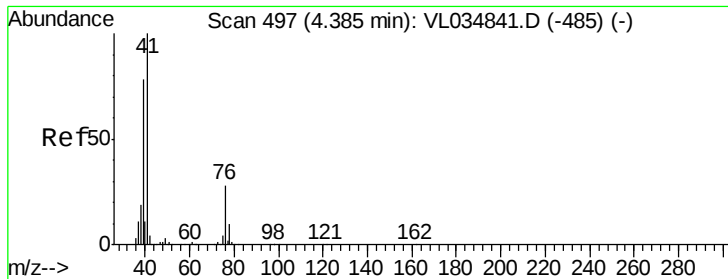
84 100

49 148.7 121.5 182.3

51 46.2 36.6 55.0

86 60.6 48.2 72.2





#21

Allyl Chloride

Concen: 9.458 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

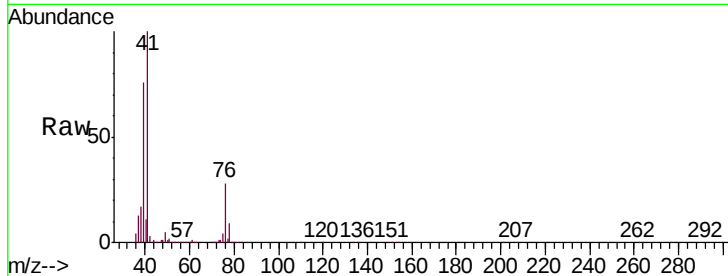
Tgt Ion: 41 Resp: 699790

Ion Ratio Lower Upper

41 100

76 28.0 22.2 33.2

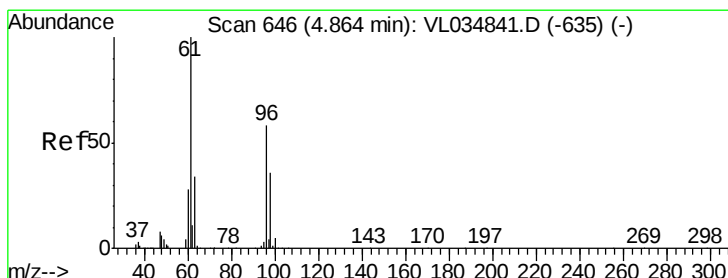
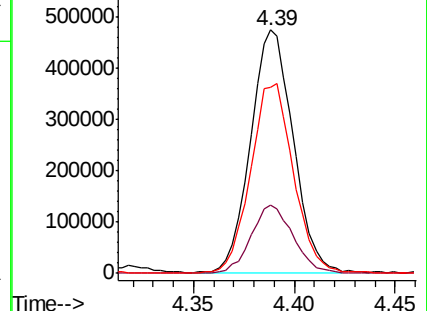
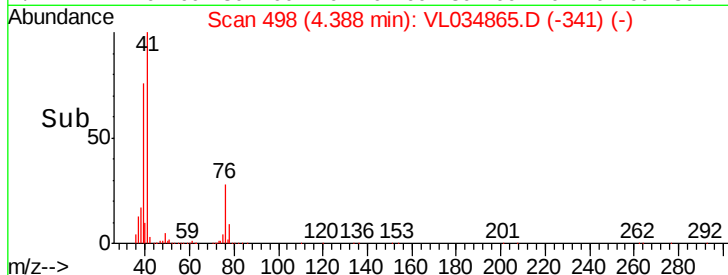
39 78.7 62.6 93.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.501 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

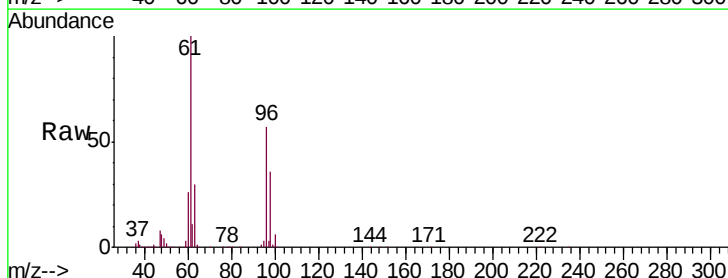
Tgt Ion: 96 Resp: 386857

Ion Ratio Lower Upper

96 100

61 175.4 139.0 208.6

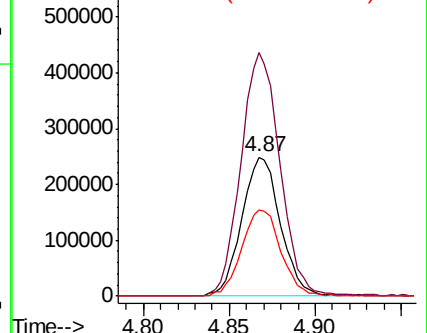
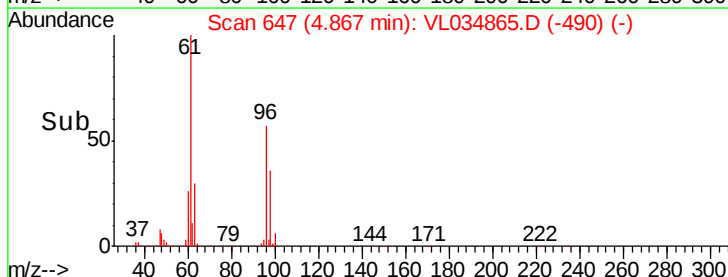
98 62.6 50.3 75.5

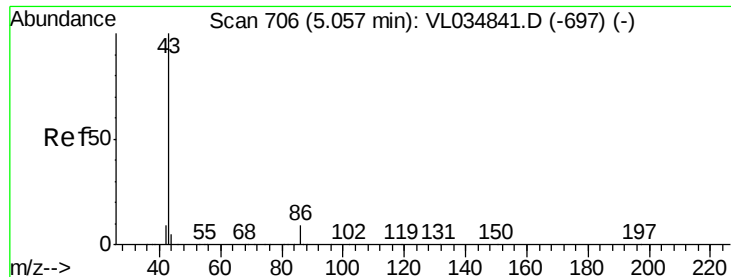


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.898 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tgt Ion: 43 Resp: 1684422

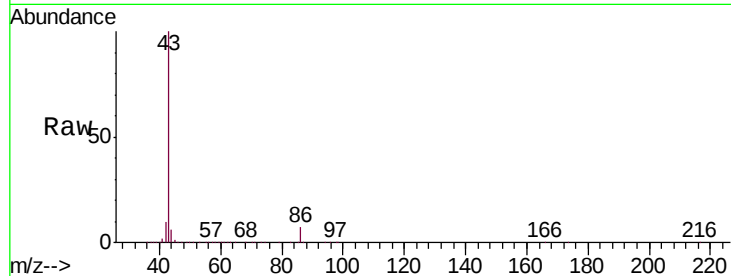
Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 10.0 7.8 11.8

44 5.4 4.0 6.0

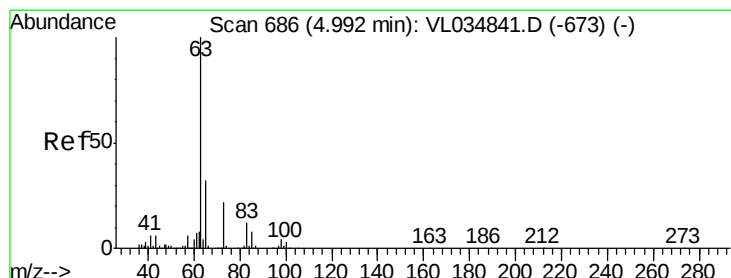
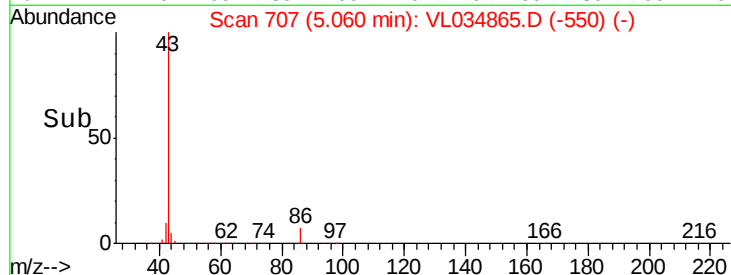
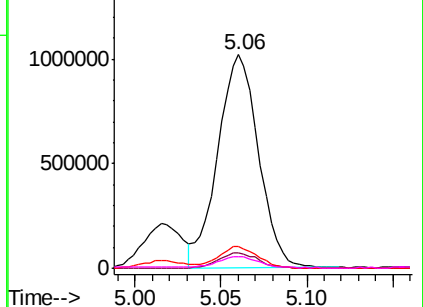


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.349 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

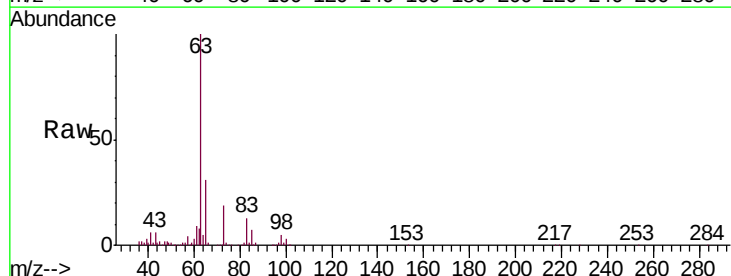
Tgt Ion: 63 Resp: 1066551

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

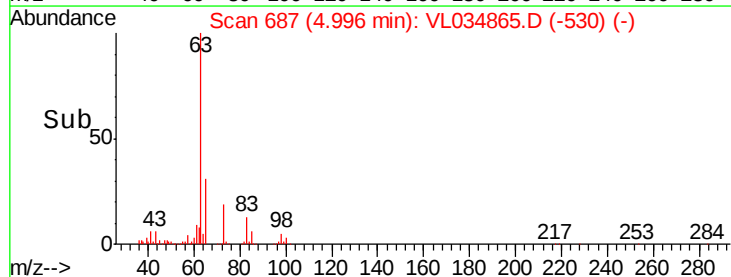
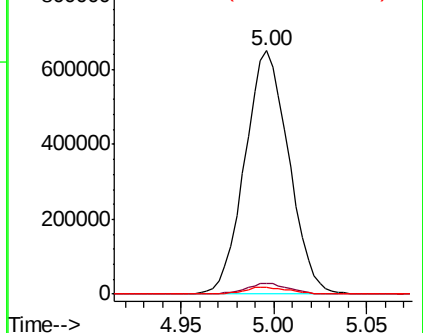
100 2.6 1.4 4.0

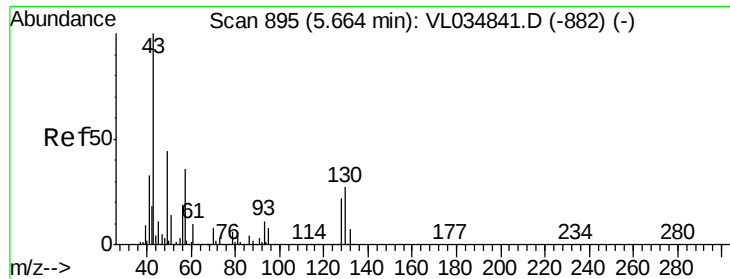


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

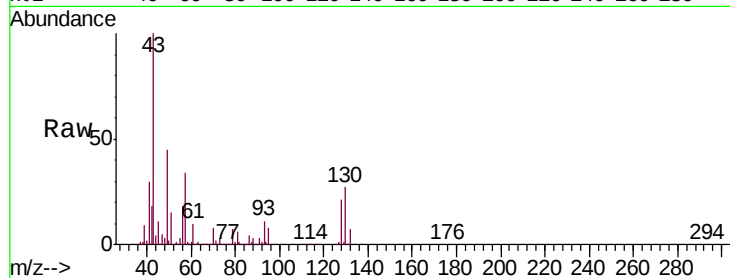




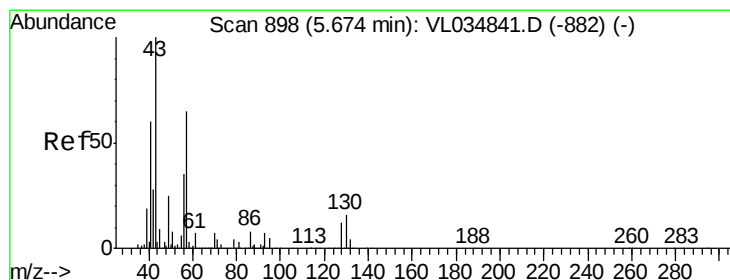
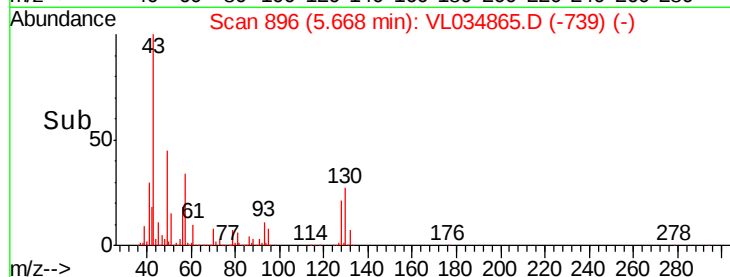
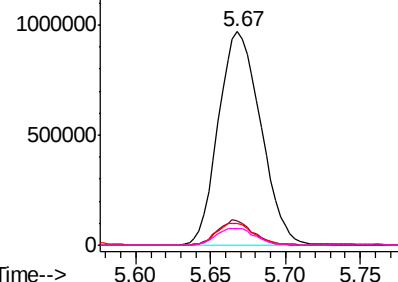
#25
Ethyl Acetate
Concen: 9.302 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tgt Ion:	43	Resp:	1909106
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.5	7.8	11.6
70	7.4	5.8	8.8

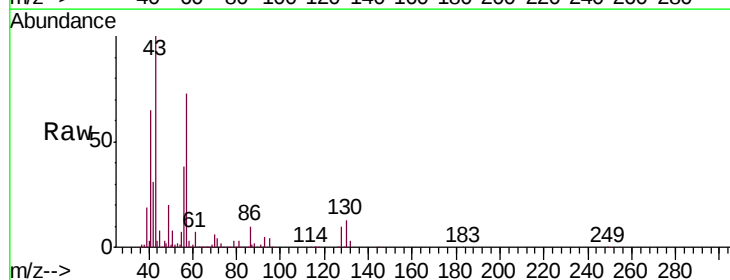


Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

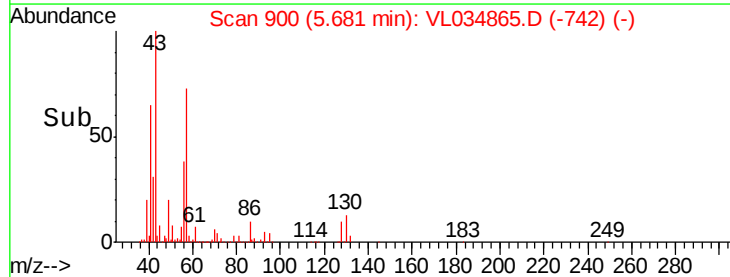
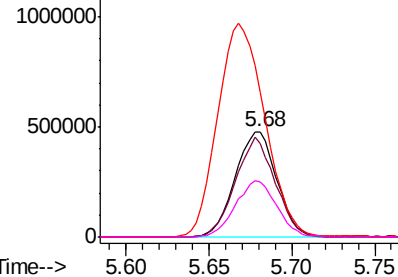


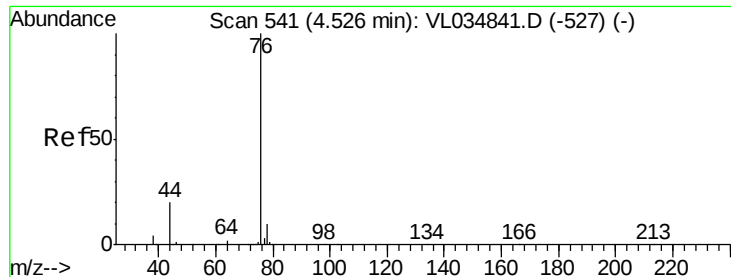
#26
Hexane
Concen: 9.390 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion:	57	Resp:	829904
Ion	Ratio	Lower	Upper
57	100		
41	90.9	72.6	109.0
43	231.1	183.8	275.6
56	53.2	41.9	62.9



Abundance Ion 57.10 (56.80 to 57.80): VL0
1500000 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: 9.579 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

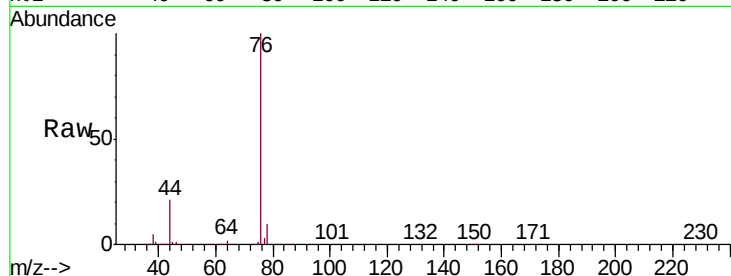
Tgt Ion: 76 Resp: 960621

Ion Ratio Lower Upper

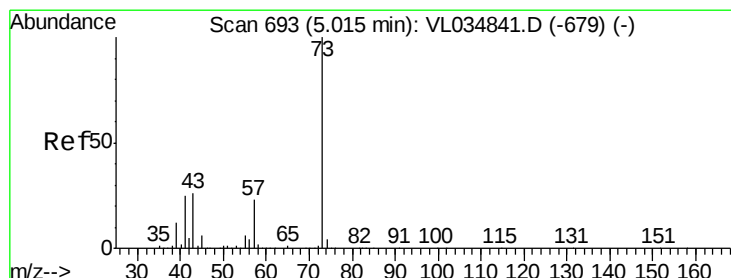
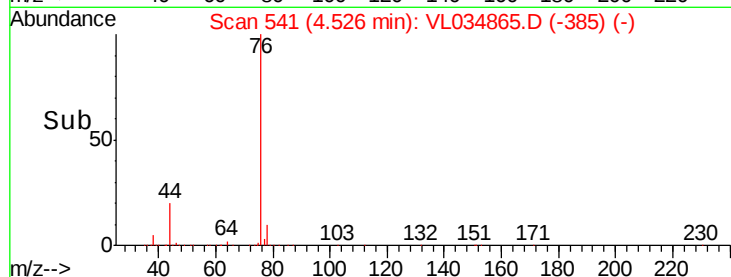
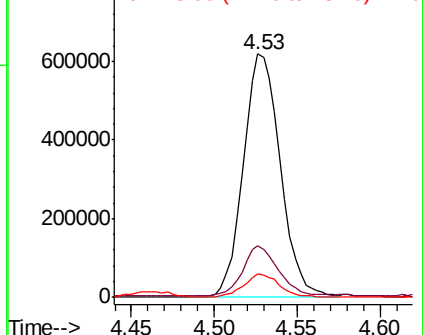
76 100

44 20.1 16.2 24.2

78 9.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.219 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034865.D

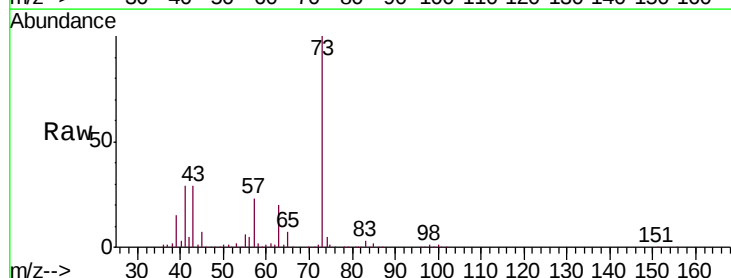
Acq: 10 Mar 2020 13:42

Tgt Ion: 73 Resp: 1355567

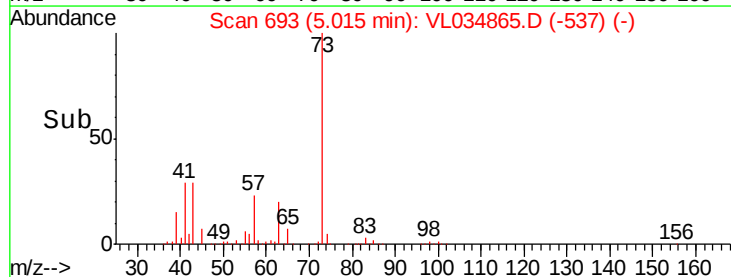
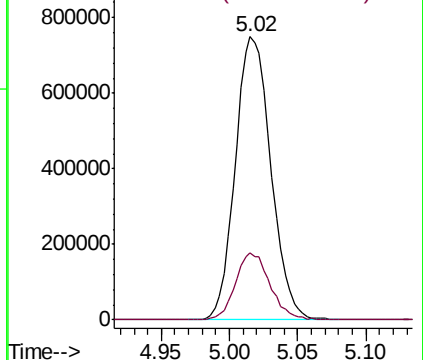
Ion Ratio Lower Upper

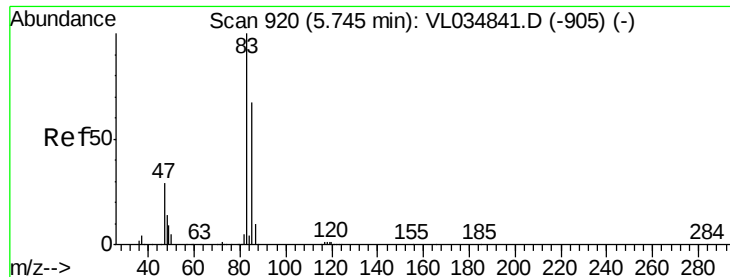
73 100

57 23.1 18.3 27.5



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

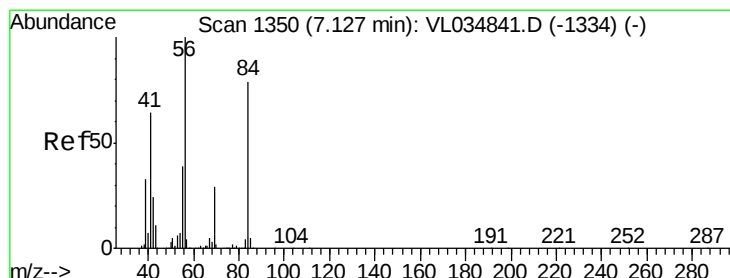
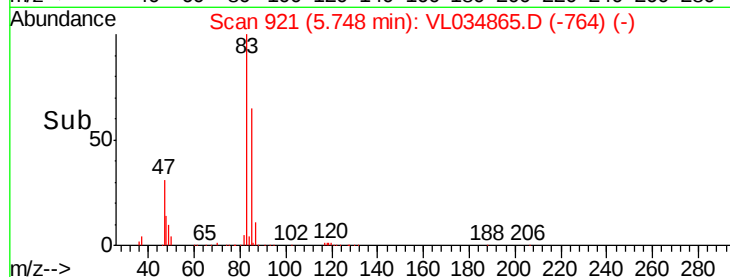
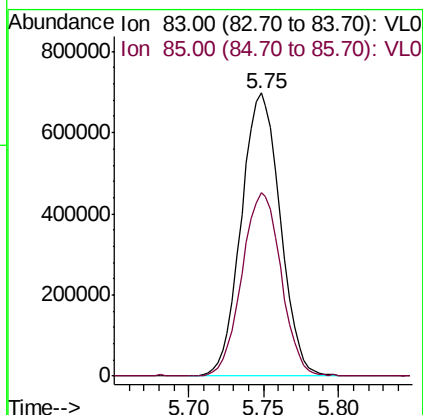
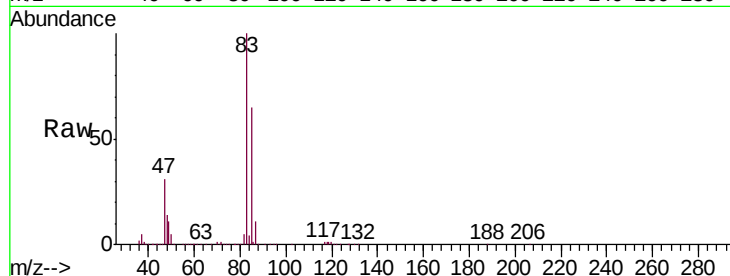




#29
Chloroform
Concen: 9.379 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

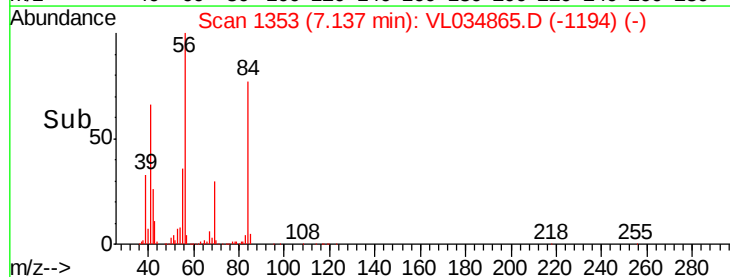
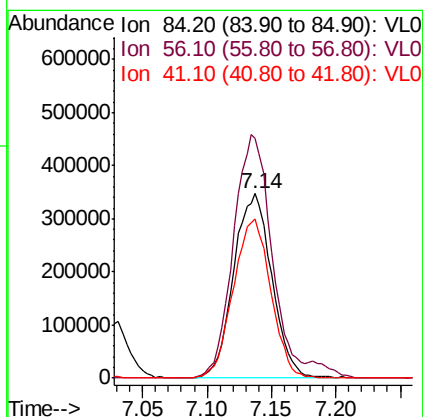
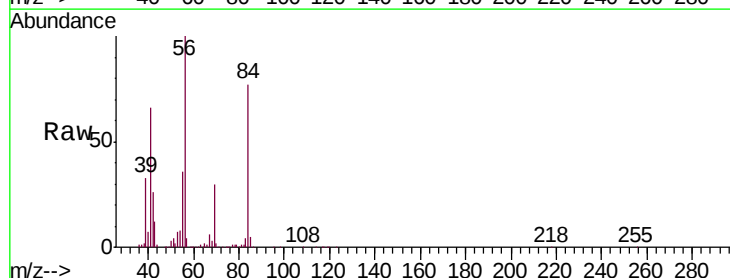
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

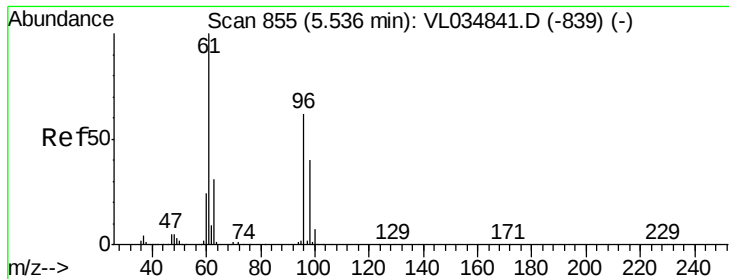
Tgt Ion: 83 Resp: 1264689
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.6



#30
Cyclohexane
Concen: 9.696 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 84 Resp: 714956
Ion Ratio Lower Upper
84 100
56 137.1 110.5 165.7
41 84.8 68.2 102.4



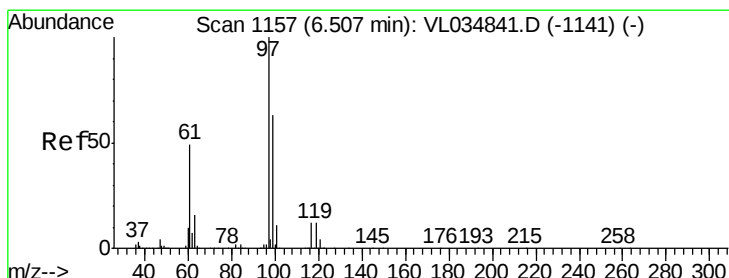
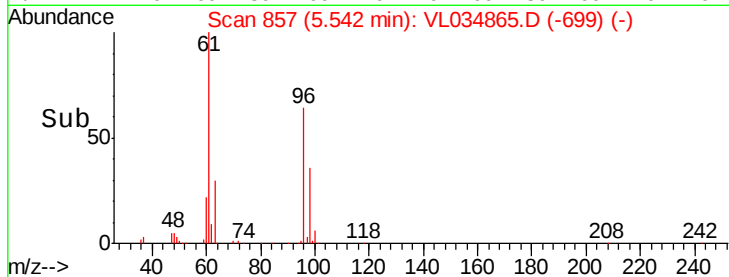
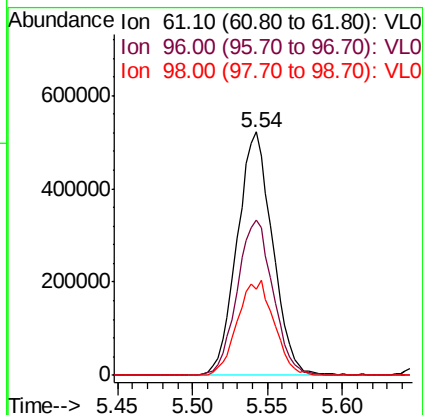
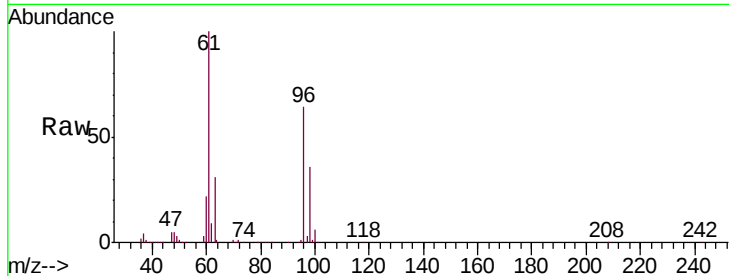


#31

cis-1,2-Dichloroethene
 Concen: 9.520 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

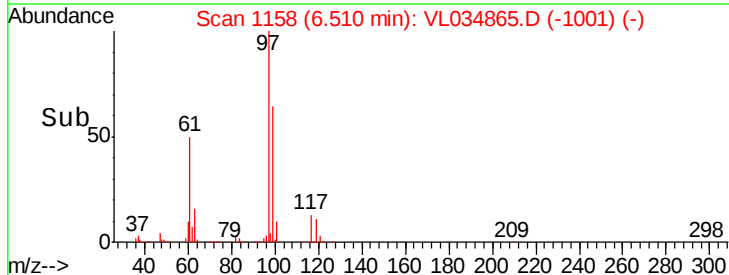
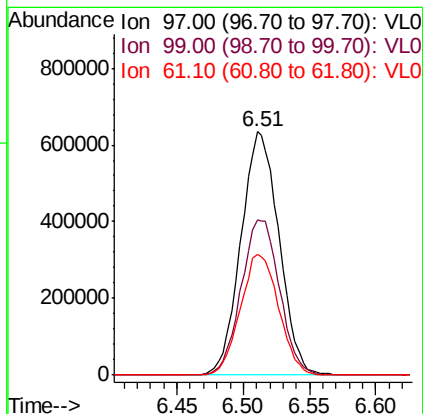
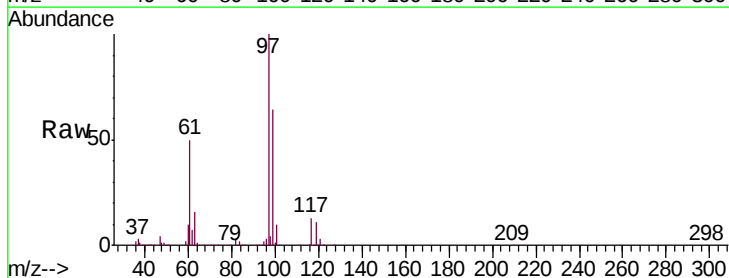
Tgt Ion:	61	Resp:	860398
Ion	Ratio	Lower	Upper
61	100		
96	63.9	49.8	74.8
98	35.6	32.2	48.4

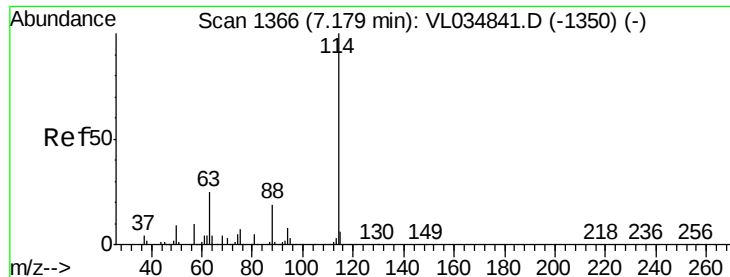


#32

1,1,1-Trichloroethane
 Concen: 9.627 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion:	97	Resp:	1264946
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	50.3	39.7	59.5

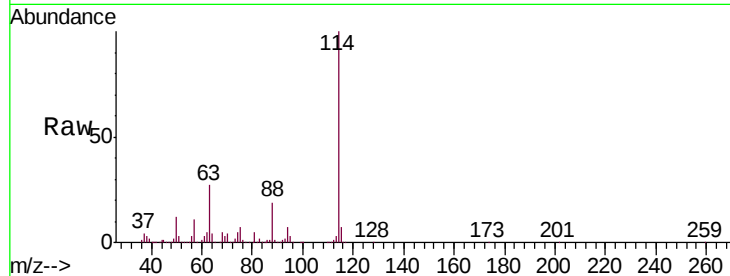




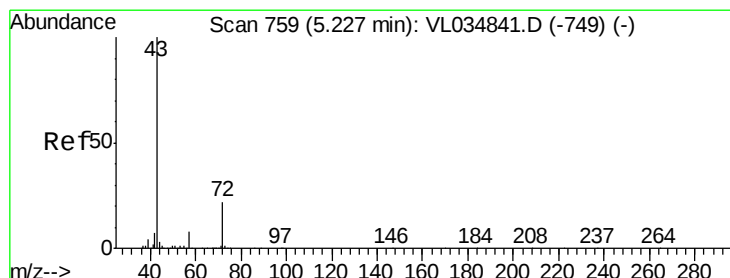
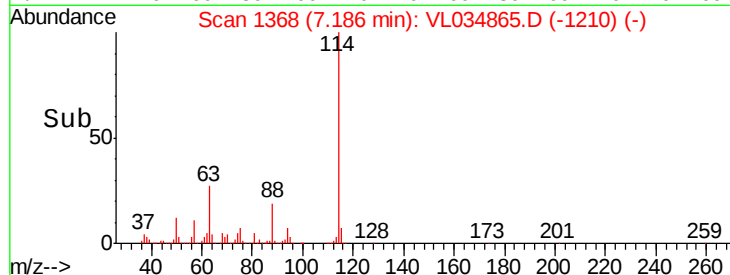
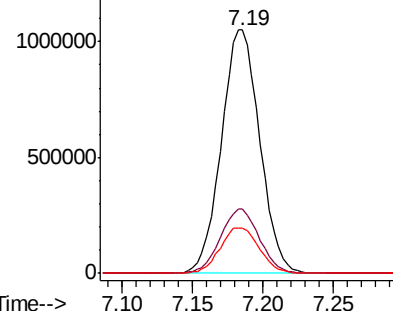
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tgt Ion: 114 Resp: 2003603
 Ion Ratio Lower Upper
 114 100
 63 27.1 20.6 31.0
 88 19.2 15.0 22.6

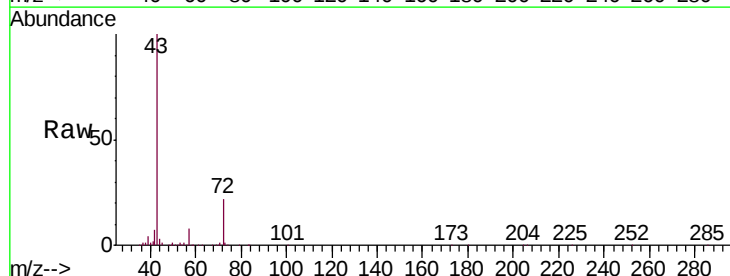


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

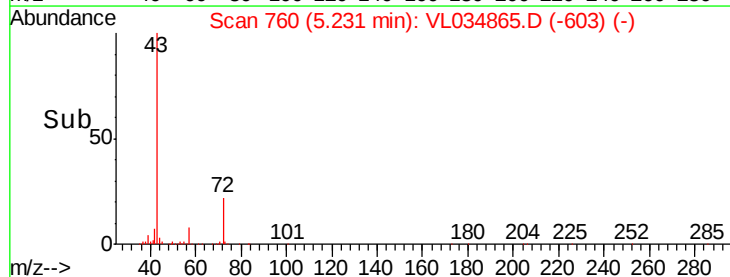
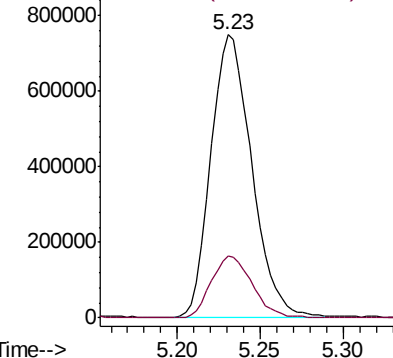


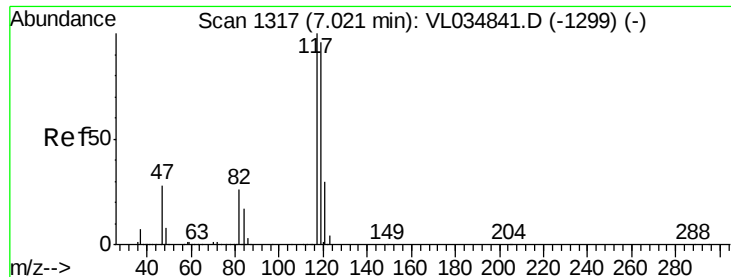
#34
 2-Butanone
 Concen: 9.587 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 43 Resp: 1276459
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.6 26.4



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

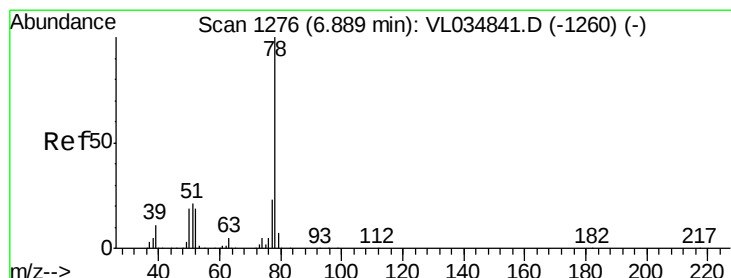
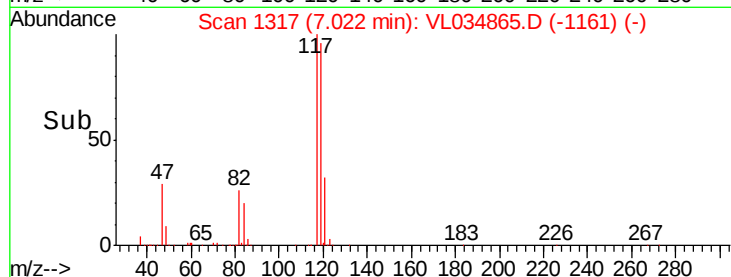
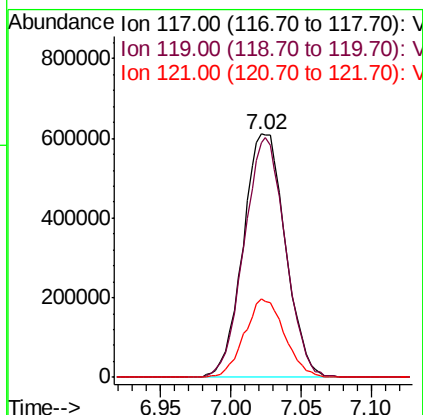
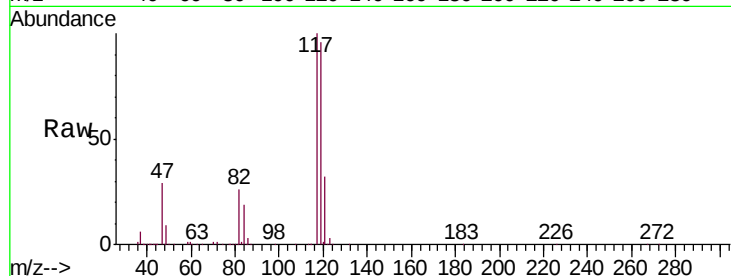




#35
Carbon Tetrachloride
Concen: 10.281 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

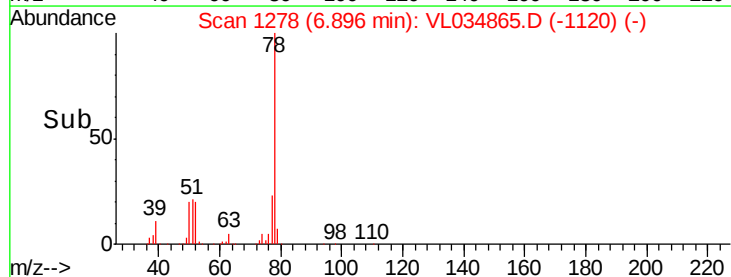
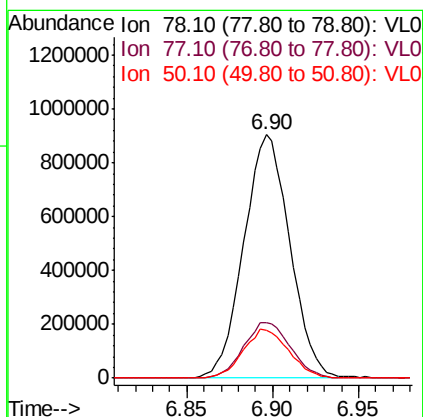
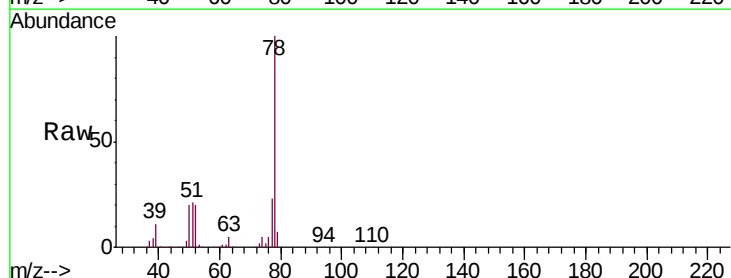
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

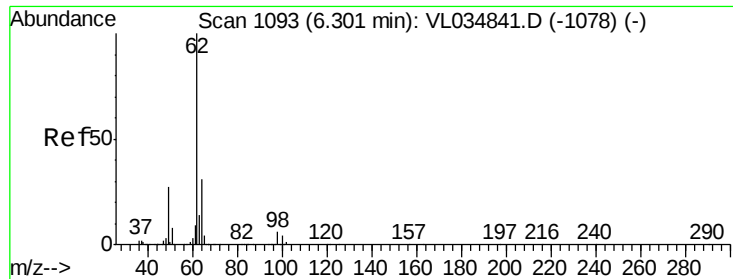
Tgt Ion:117 Resp: 1281163
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.4
121 32.0 24.0 36.0



#36
Benzene
Concen: 9.392 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 78 Resp: 1677329
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2
50 19.8 15.2 22.8





#37

1,2-Dichloroethane

Concen: 9.920 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

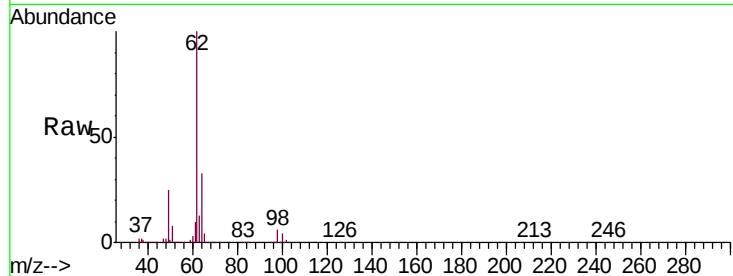
VL0310ABS01

Tgt Ion: 62 Resp: 998978

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

600000

500000

400000

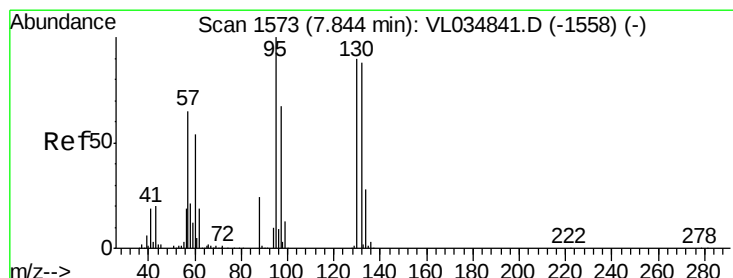
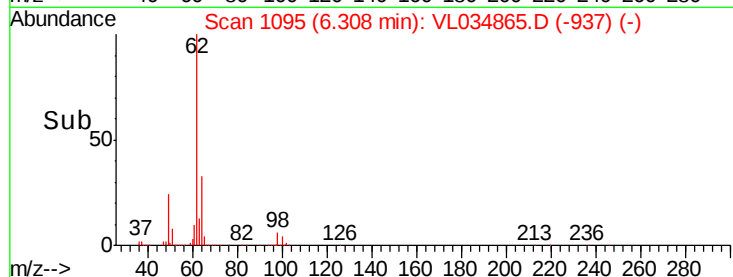
300000

200000

100000

0

Time-->



#38

Trichloroethene

Concen: 9.428 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion: 130 Resp: 639462

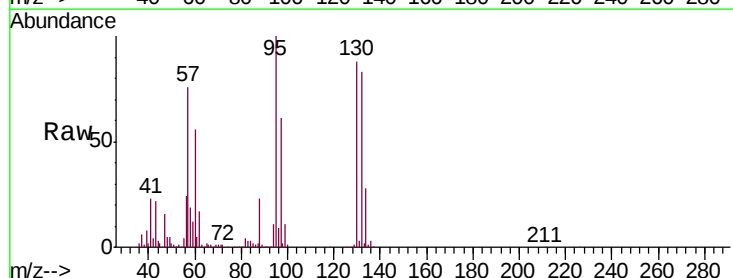
Ion Ratio Lower Upper

130 100

95 113.3 88.5 132.7

132 93.9 78.0 117.0

97 69.2 59.3 88.9



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

500000

400000

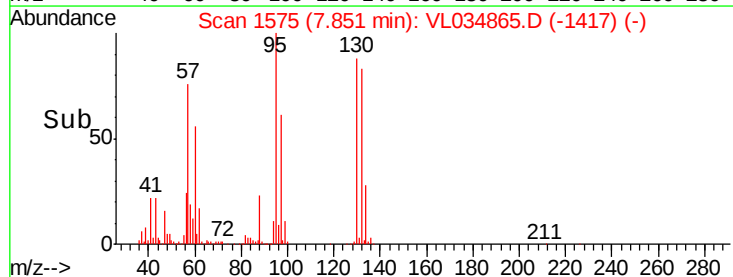
300000

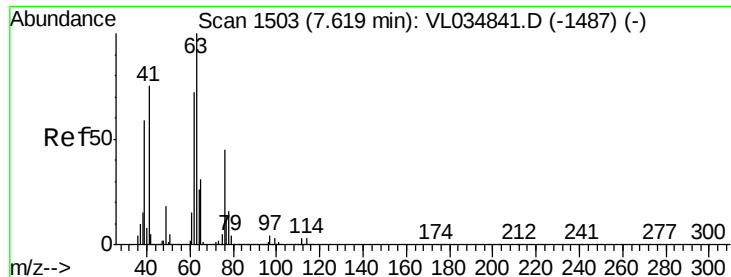
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.456 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

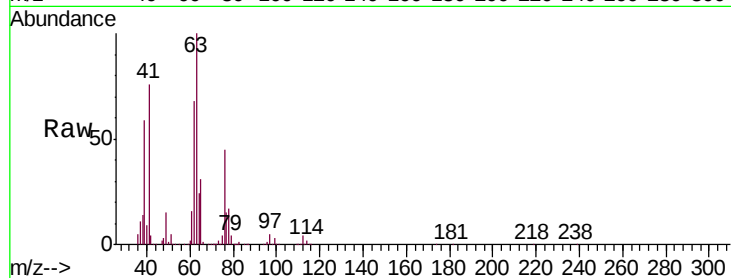
Tgt Ion: 63 Resp: 669059

Ion Ratio Lower Upper

63 100

41 76.1 59.8 89.8

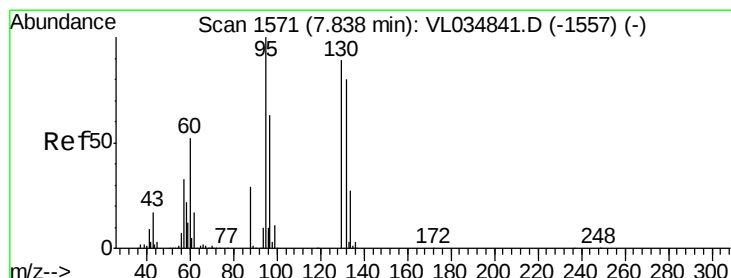
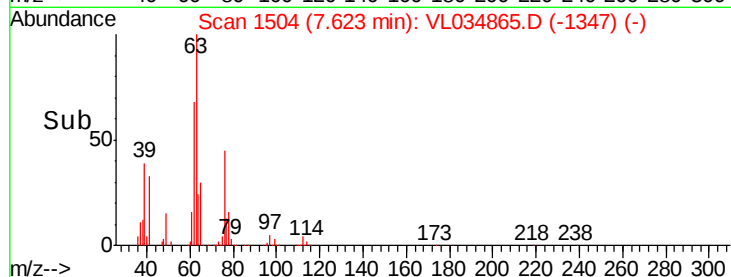
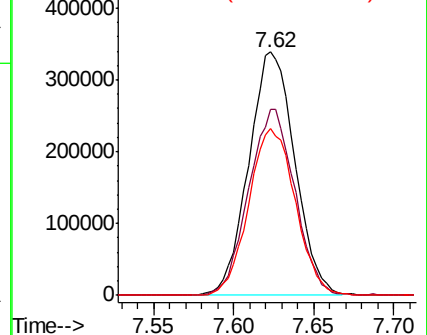
62 68.3 57.6 86.4



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: 4.433 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion: 88 Resp: 118472

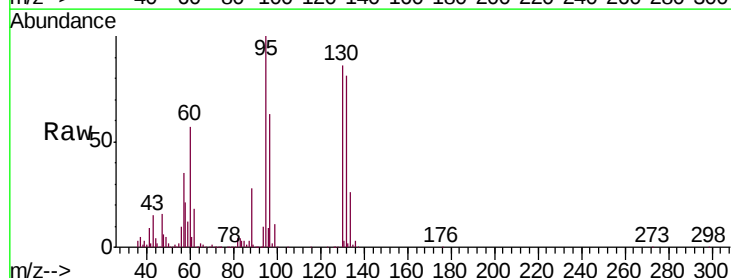
Ion Ratio Lower Upper

88 100

58 261.5 103.9 155.9#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

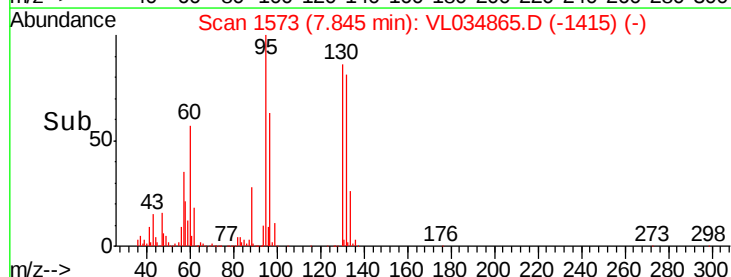
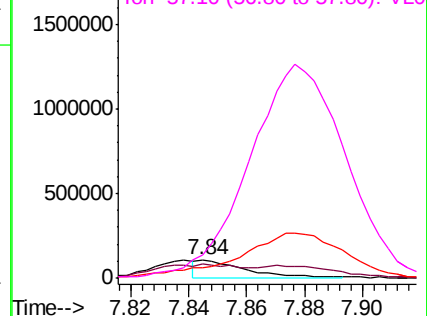


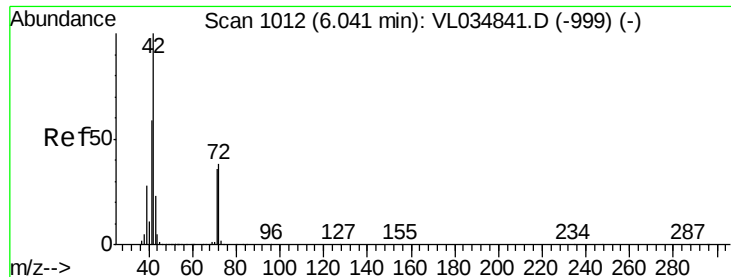
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.981 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

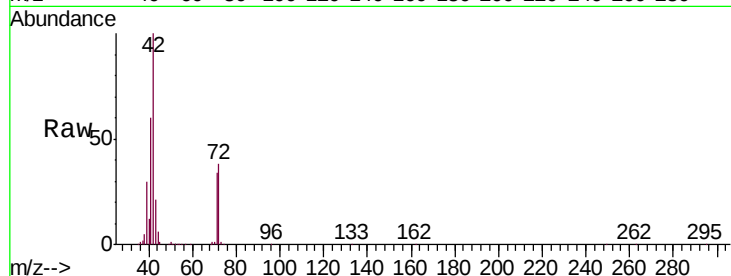
Tgt Ion: 42 Resp: 719087

Ion Ratio Lower Upper

42 100

72 38.5 30.8 46.2

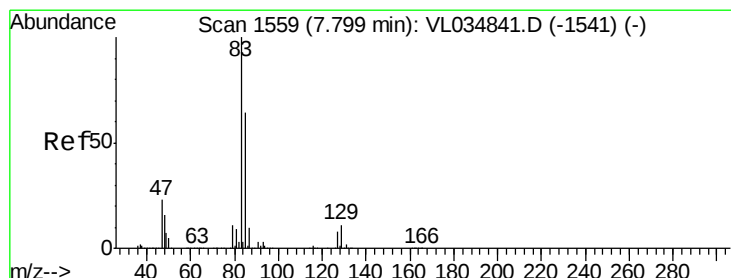
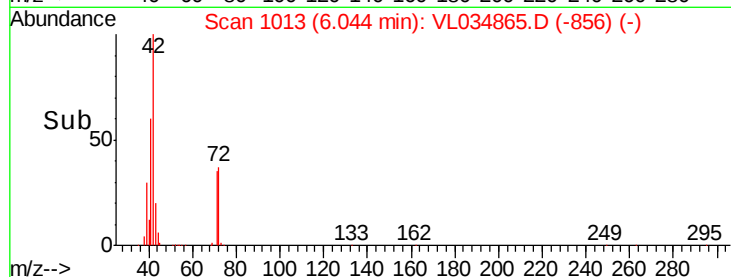
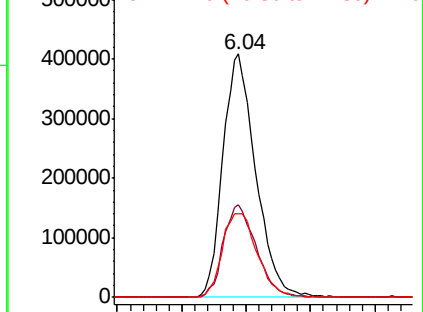
71 37.0 30.1 45.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.838 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

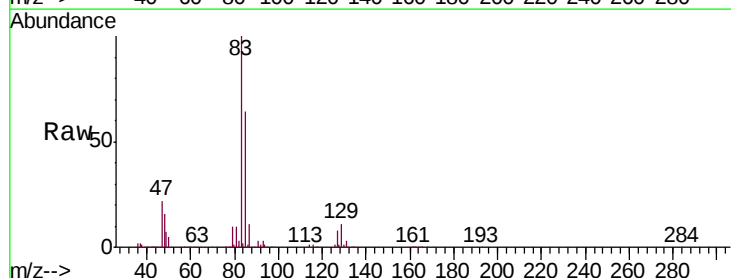
Tgt Ion: 83 Resp: 1350253

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.2

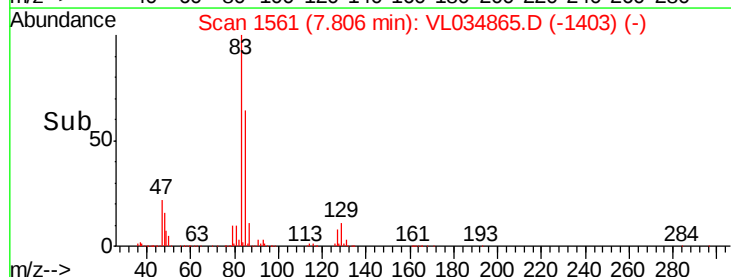
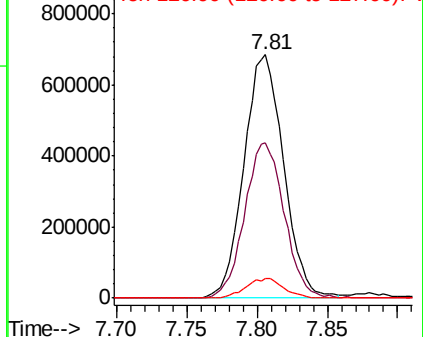
127 7.9 6.2 9.4

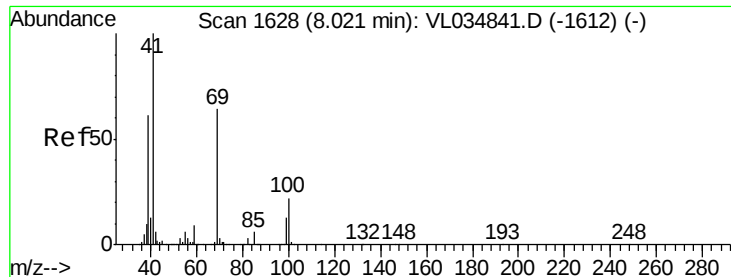


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

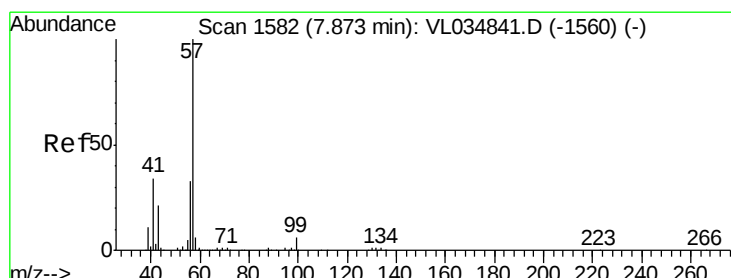
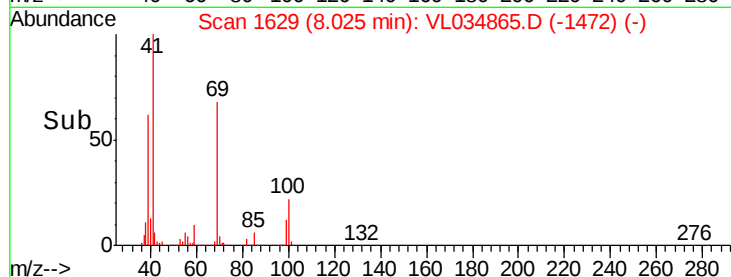
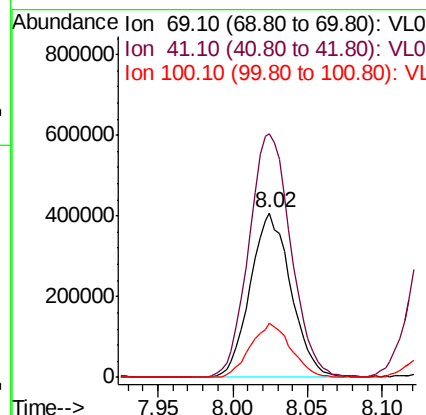
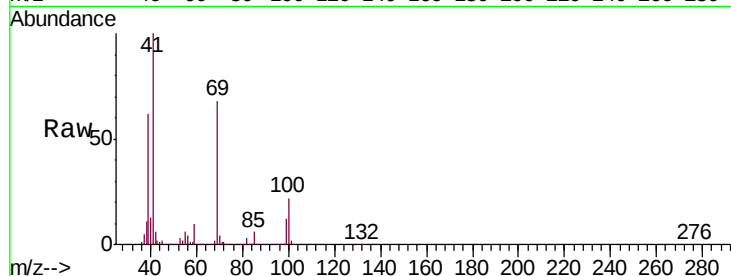




#43
Methyl Methacrylate
Concen: 10.227 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

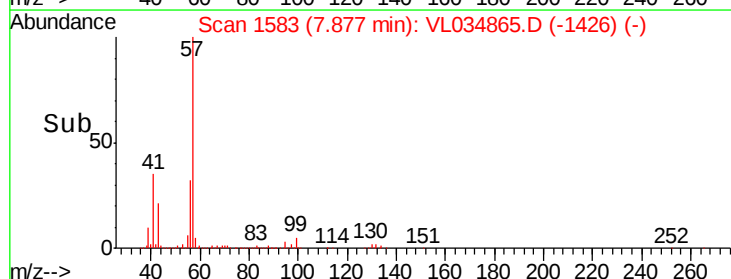
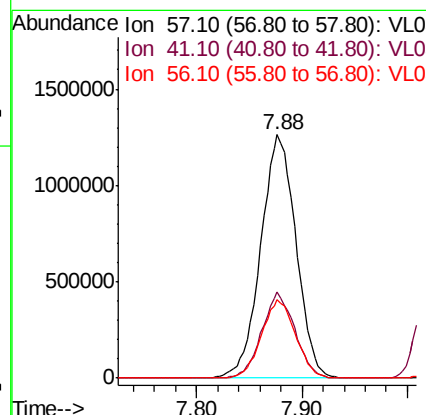
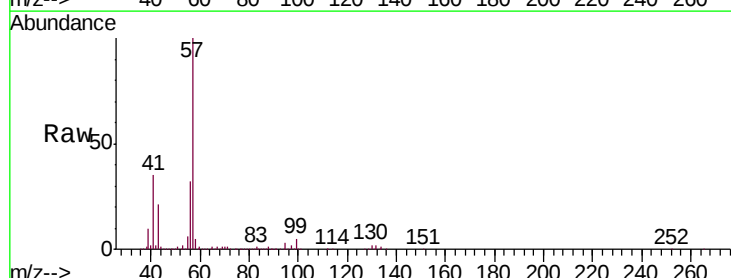
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

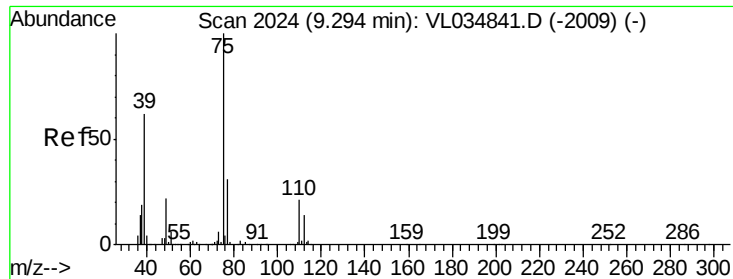
Tgt Ion: 69 Resp: 769467
Ion Ratio Lower Upper
69 100
41 153.5 123.2 184.8
100 32.6 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.733 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 57 Resp: 2937322
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.2 25.0 37.4

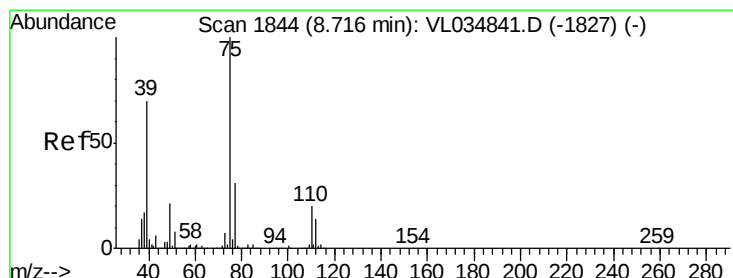
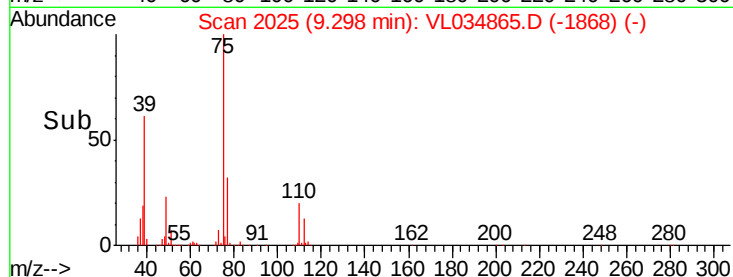
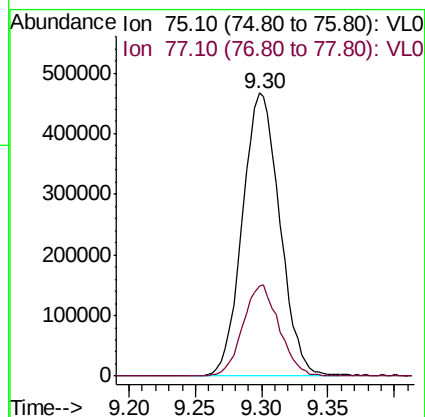
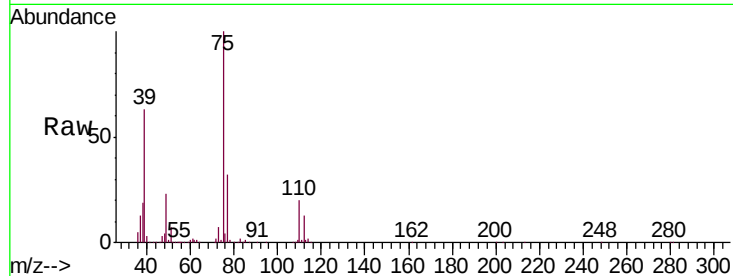




#45
 t-1,3-Dichloropropene
 Concen: 10.360 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

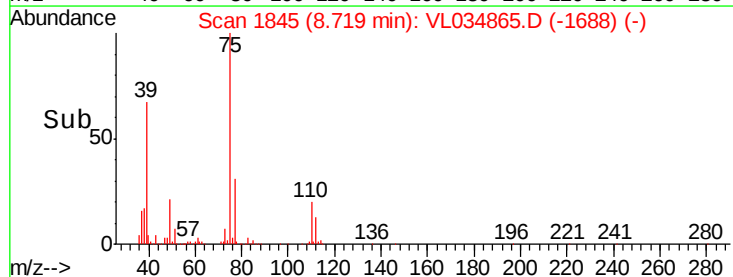
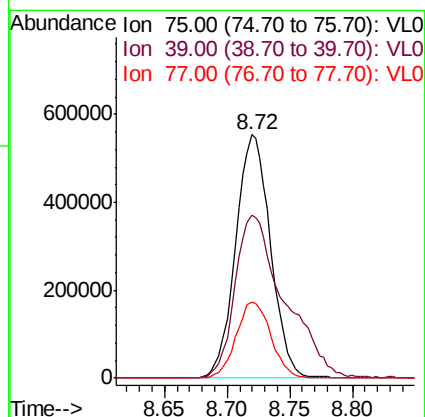
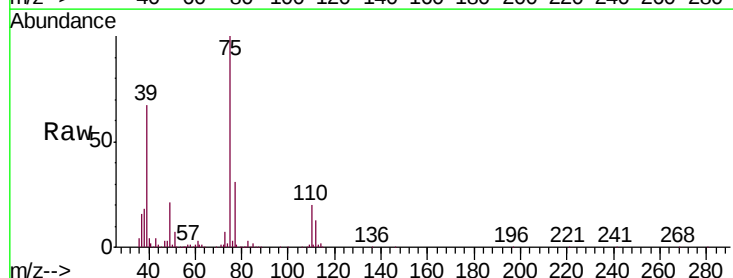
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

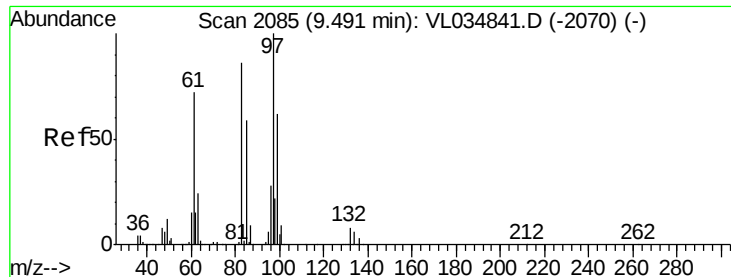
Tgt Ion: 75 Resp: 915803
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.183 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 75 Resp: 1069589
 Ion Ratio Lower Upper
 75 100
 39 67.0 55.7 83.5
 77 31.0 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 9.539 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tgt Ion: 97 Resp: 692649

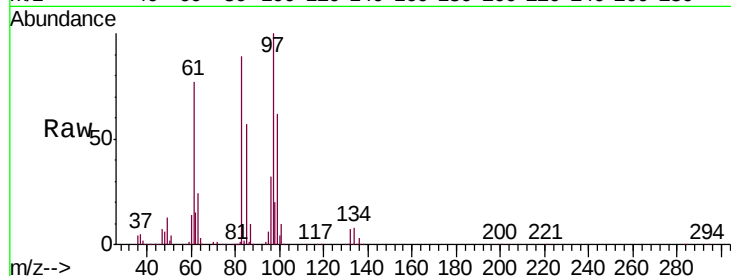
Ion Ratio Lower Upper

97 100

83 88.9 68.6 102.8

85 57.4 46.9 70.3

99 62.3 49.9 74.9

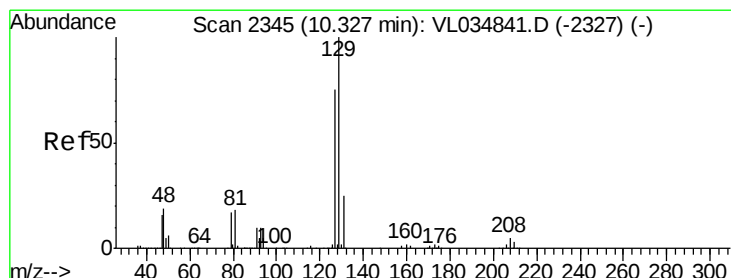
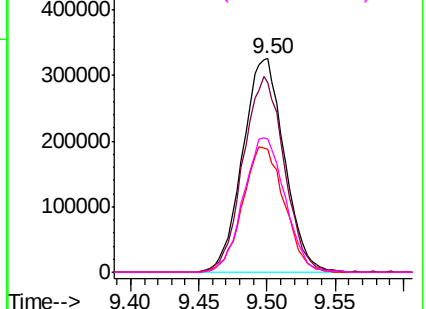
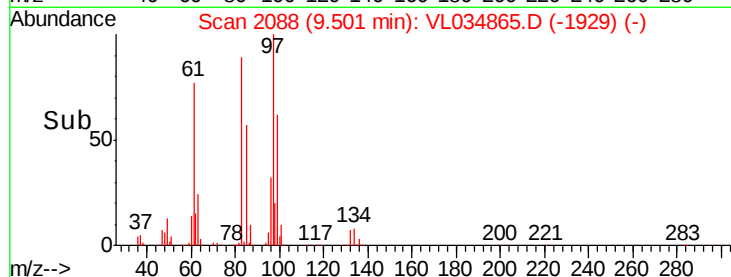


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.602 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.00 min

Lab File: VL034865.D

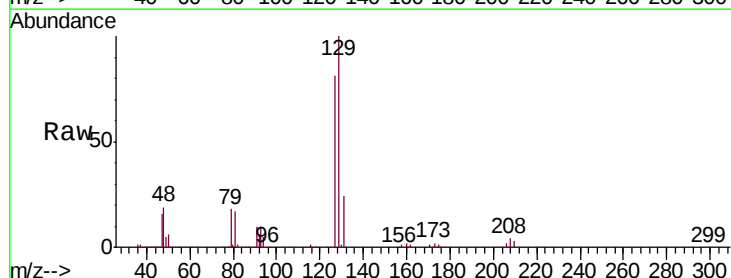
Acq: 10 Mar 2020 13:42

Tgt Ion: 129 Resp: 1129156

Ion Ratio Lower Upper

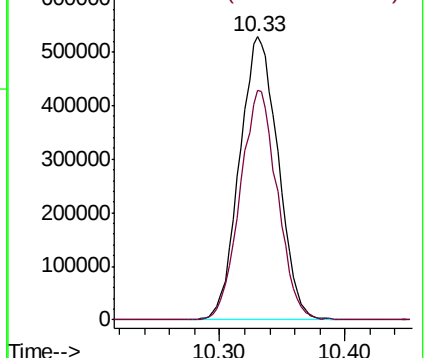
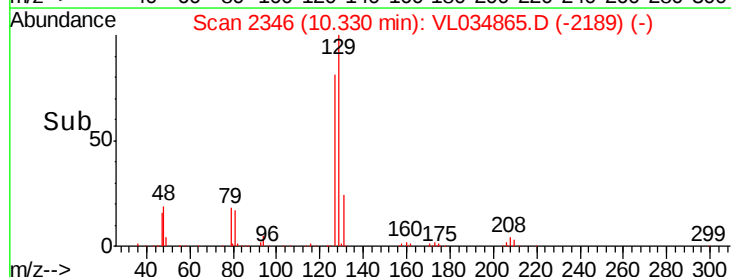
129 100

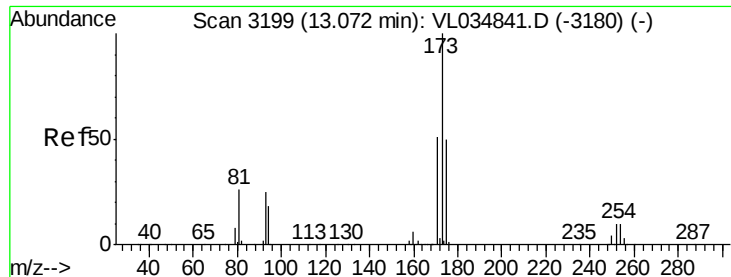
127 78.4 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.290 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

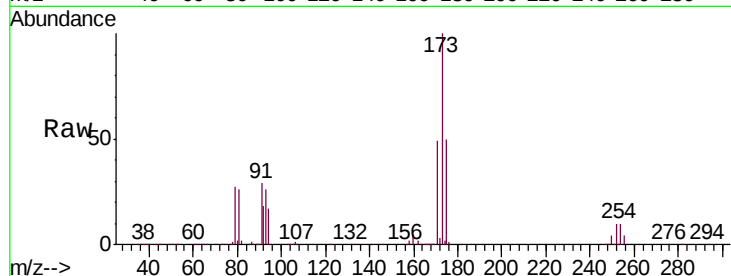
Tgt Ion: 173 Resp: 974107

Ion Ratio Lower Upper

173 100

175 49.2 39.6 59.4

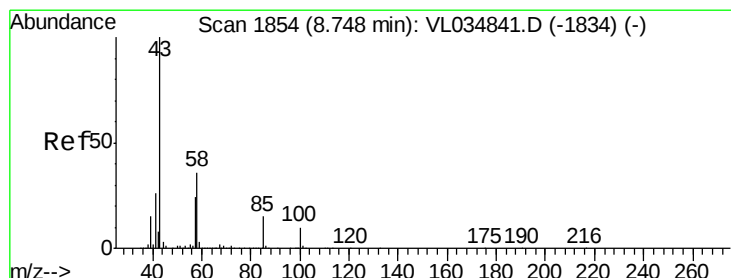
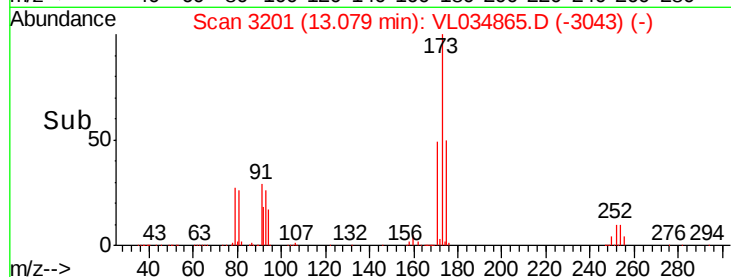
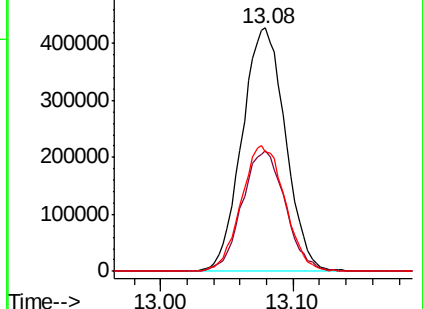
171 52.0 41.0 61.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.817 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL034865.D

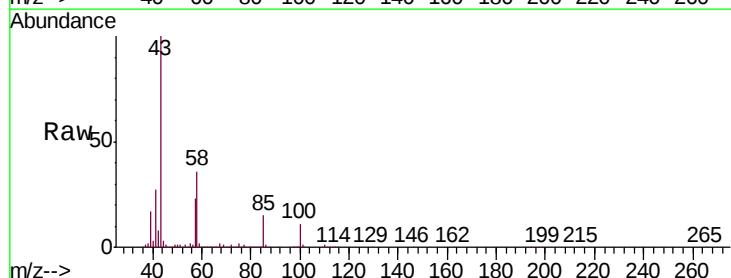
Acq: 10 Mar 2020 13:42

Tgt Ion: 43 Resp: 1881623

Ion Ratio Lower Upper

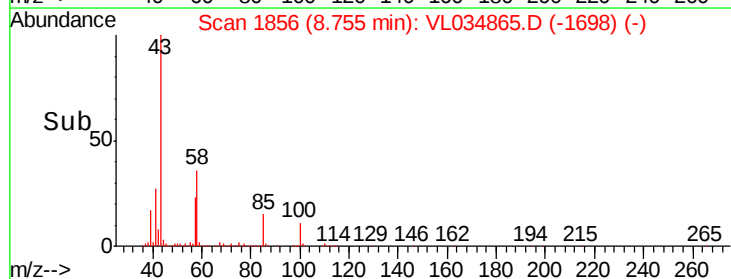
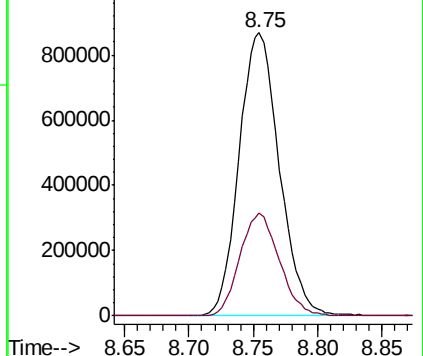
43 100

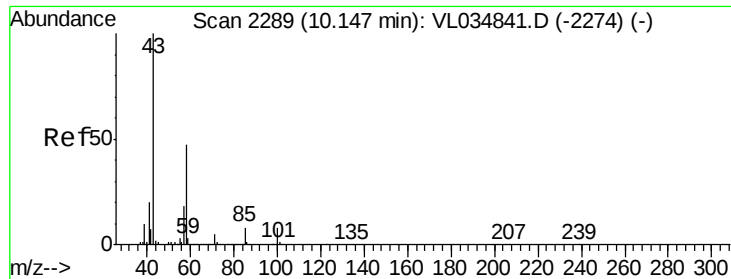
58 35.8 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

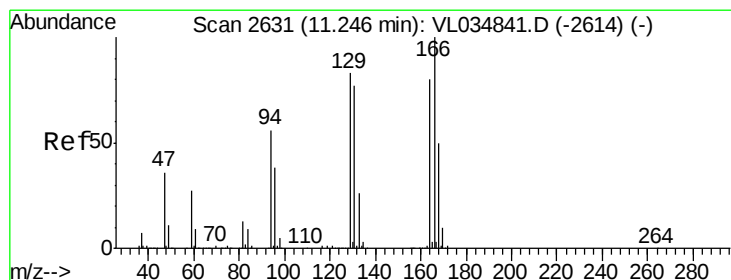
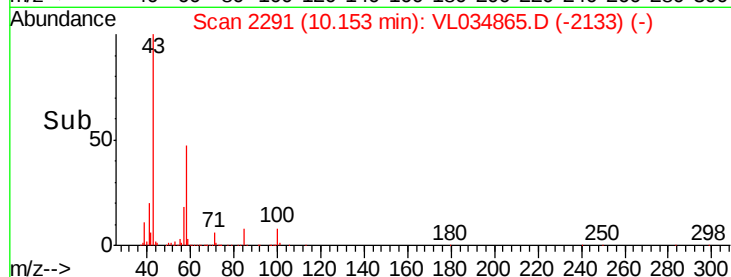
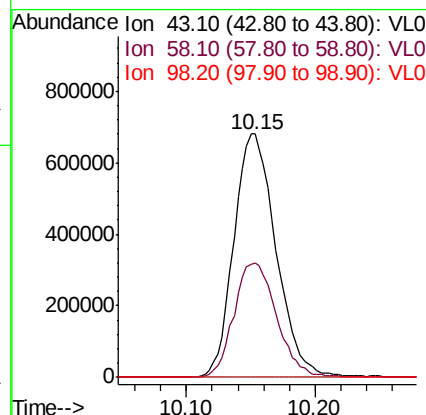
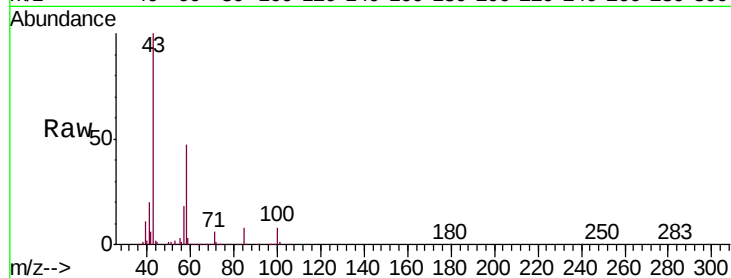




#51
2-Hexanone
Concen: 9.901 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

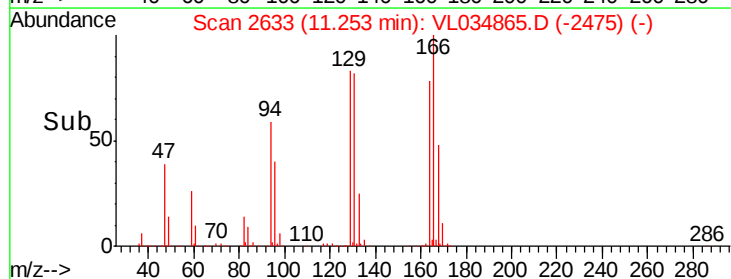
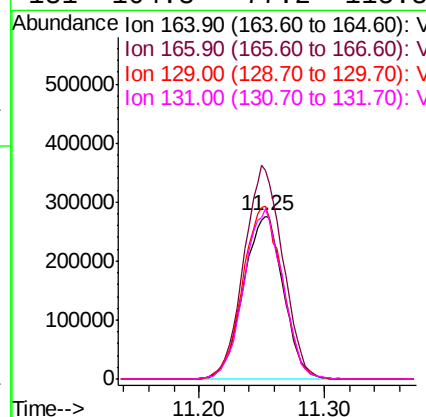
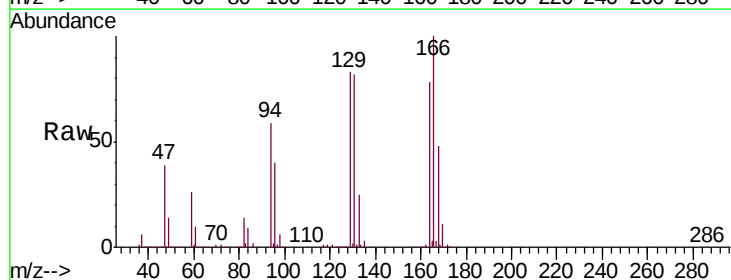
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

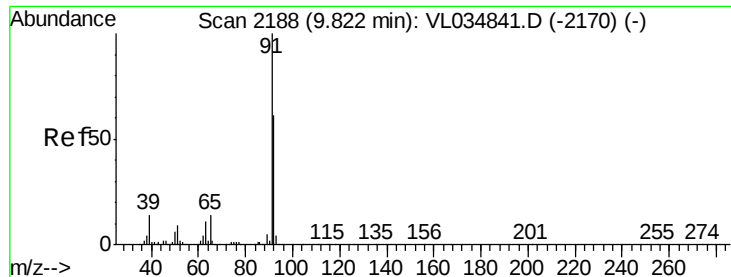
Tgt Ion: 43 Resp: 1542236
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.598 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 164 Resp: 607470
Ion Ratio Lower Upper
164 100
166 127.8 100.0 150.0
129 105.7 83.1 124.7
131 104.3 77.2 115.8





#53

Toluene

Concen: 9.535 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

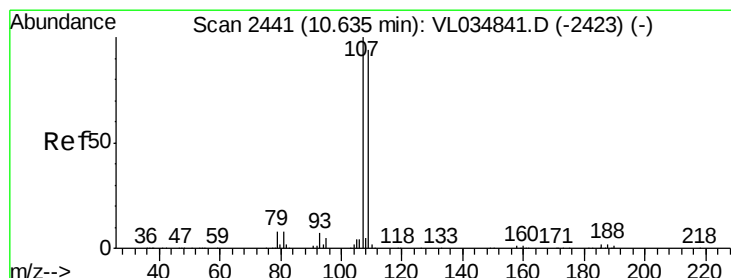
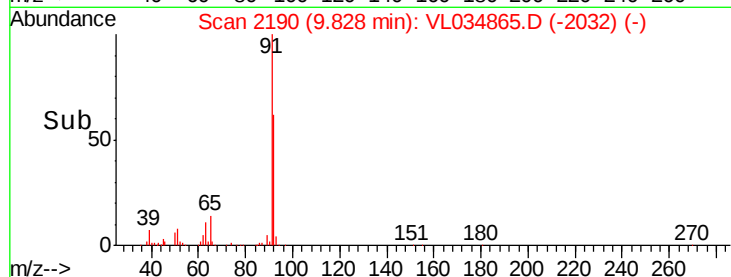
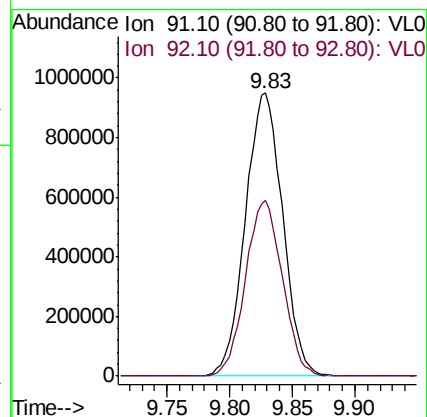
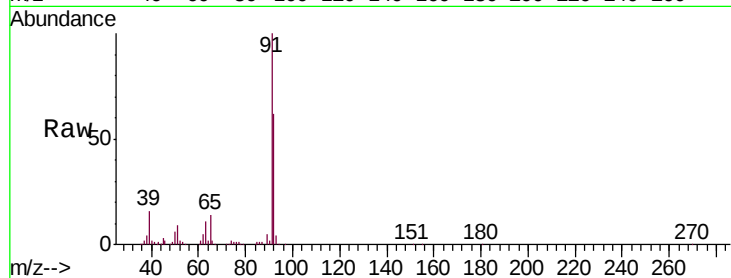
VL0310ABS01

Tgt Ion: 91 Resp: 1966414

Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.515 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL034865.D

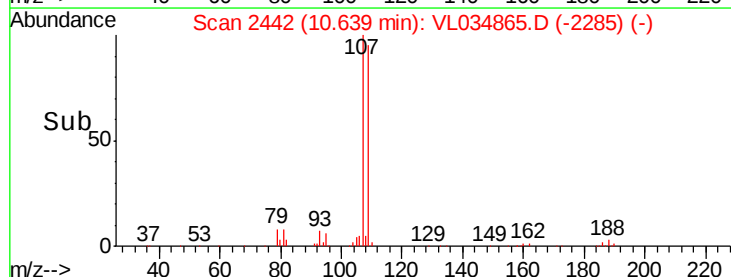
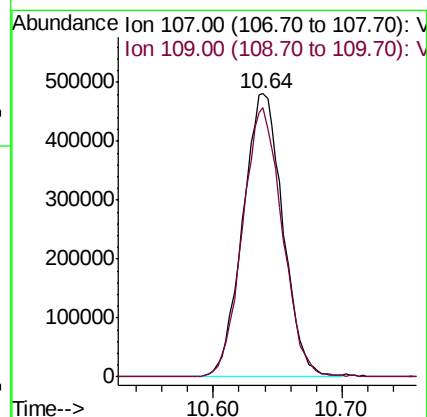
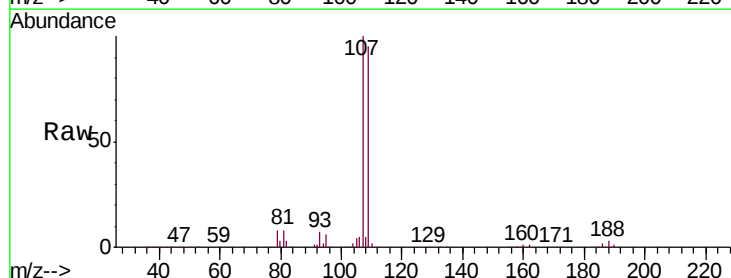
Acq: 10 Mar 2020 13:42

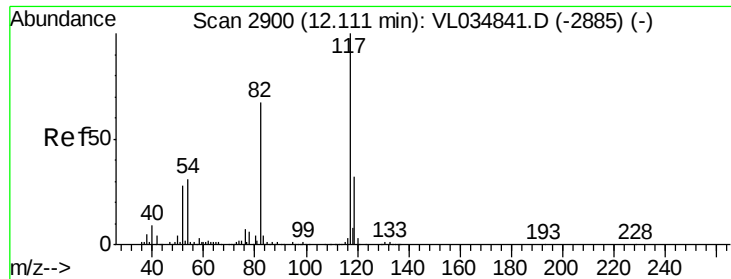
Tgt Ion: 107 Resp: 1040055

Ion Ratio Lower Upper

107 100

109 95.2 74.9 112.3

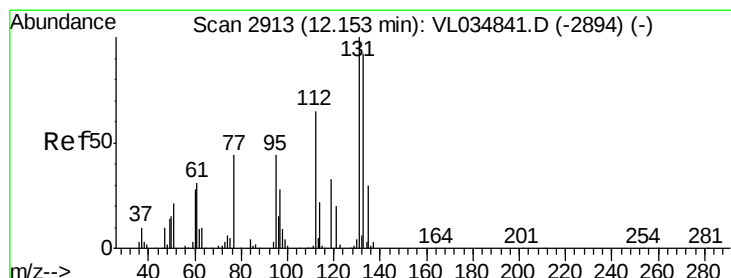
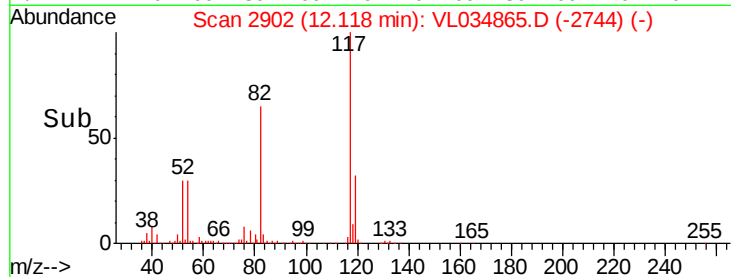
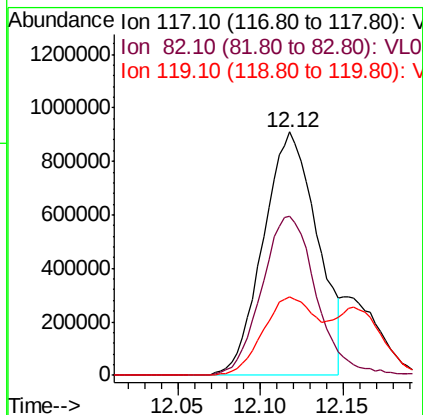
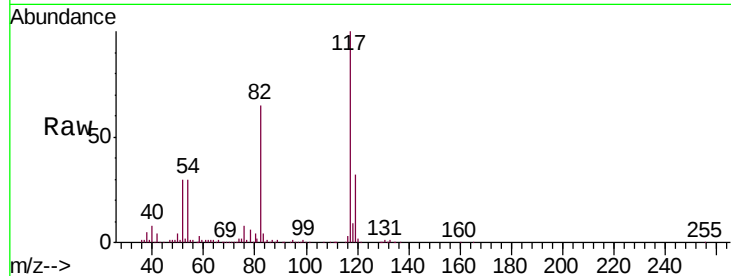




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

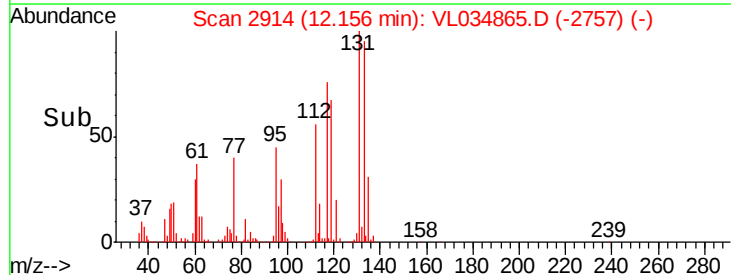
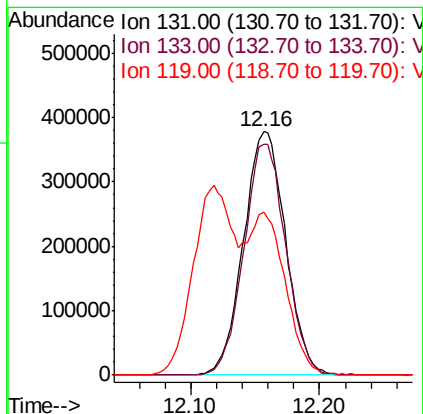
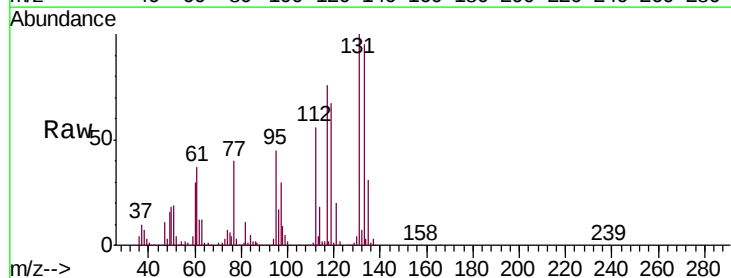
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

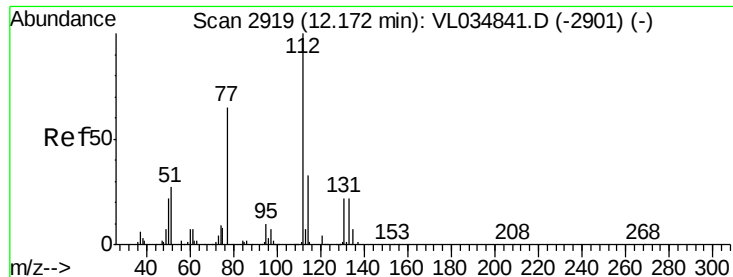
Tgt Ion:117 Resp: 2068275
Ion Ratio Lower Upper
117 100
82 66.1 51.1 76.7
119 34.7 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.254 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion:131 Resp: 859789
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 58.6 47.8 71.8





#57

Chlorobenzene

Concen: 8.994 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

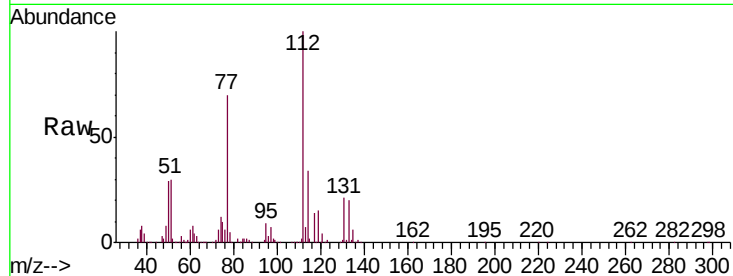
Tgt Ion:112 Resp: 1455470

Ion Ratio Lower Upper

112 100

77 69.6 53.0 79.6

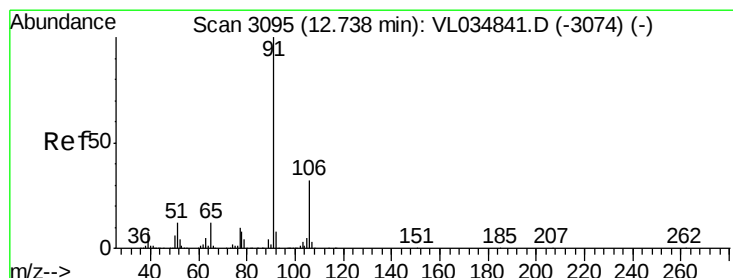
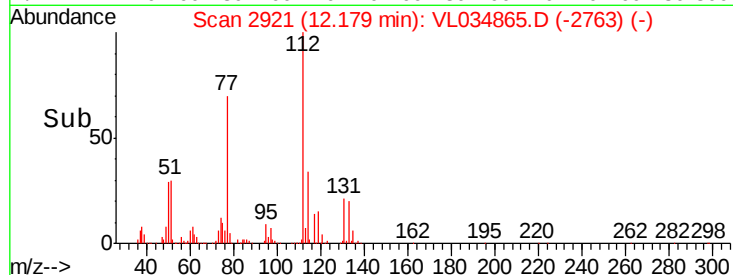
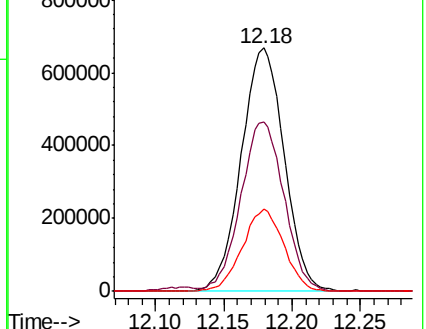
114 34.0 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.348 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VL034865.D

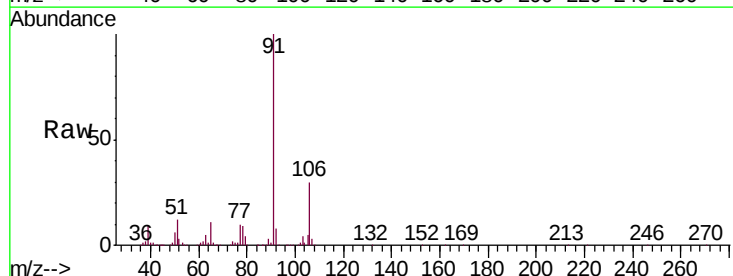
Acq: 10 Mar 2020 13:42

Tgt Ion: 91 Resp: 2618282

Ion Ratio Lower Upper

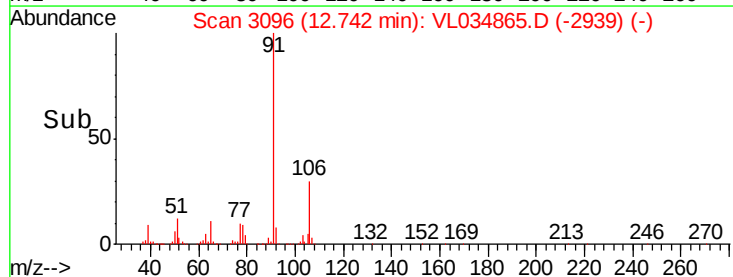
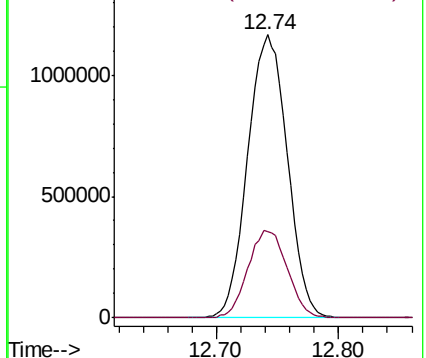
91 100

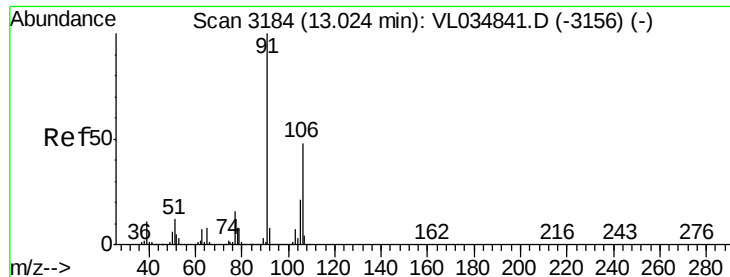
106 30.4 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.780 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

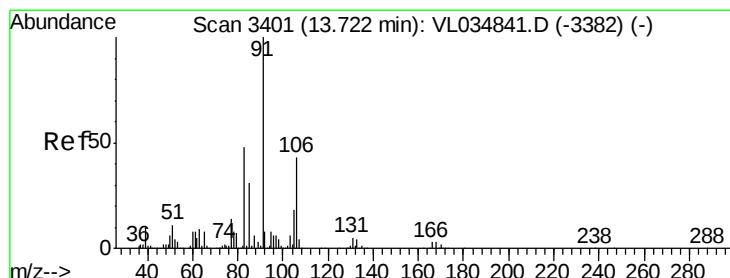
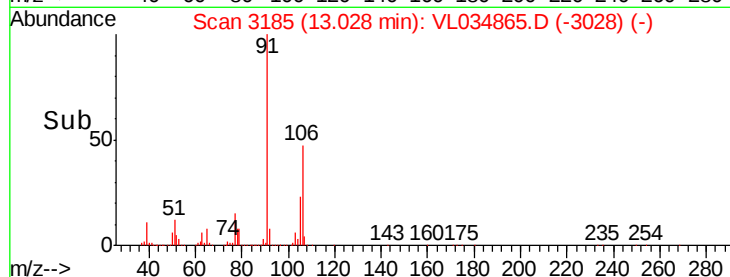
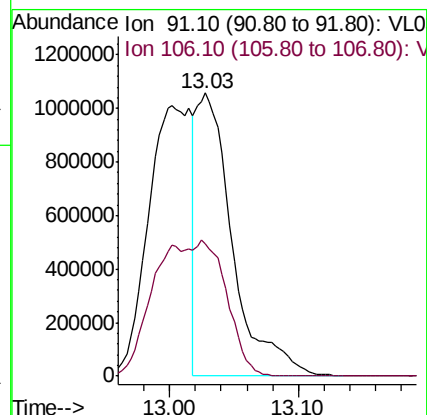
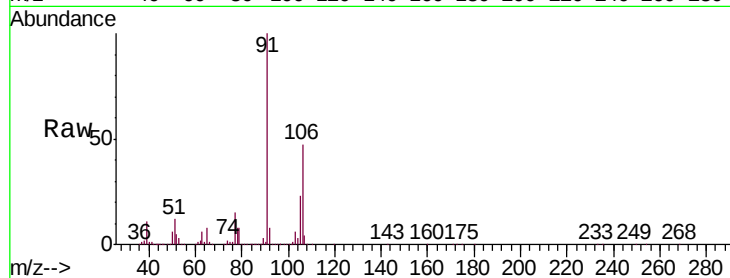
VL0310ABS01

Tgt Ion: 91 Resp: 2060182

Ion Ratio Lower Upper

91 100

106 95.3 37.1 55.7#



#60

o-Xylene

Concen: 9.203 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. 0.01 min

Lab File: VL034865.D

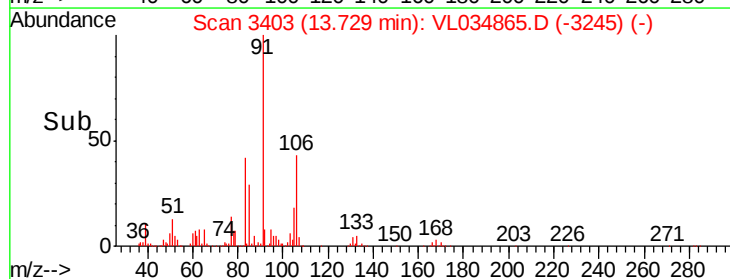
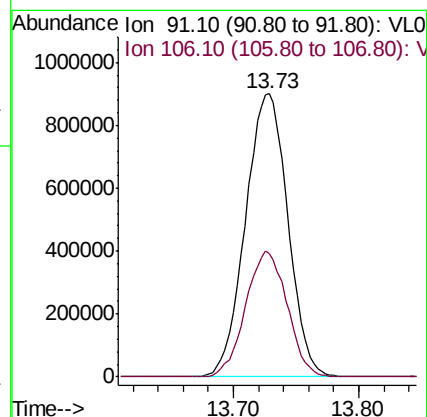
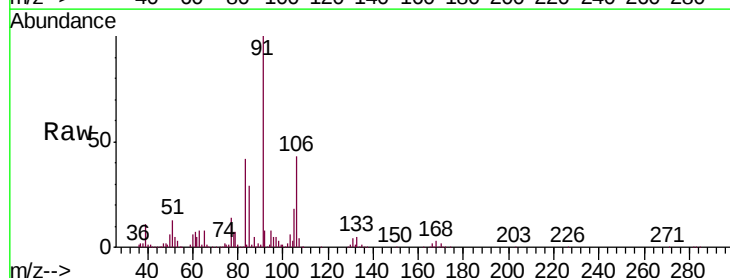
Acq: 10 Mar 2020 13:42

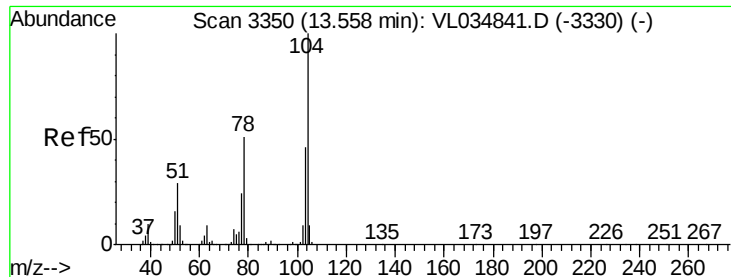
Tgt Ion: 91 Resp: 2108627

Ion Ratio Lower Upper

91 100

106 43.7 22.5 67.5





#61

Styrene

Concen: 9.748 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

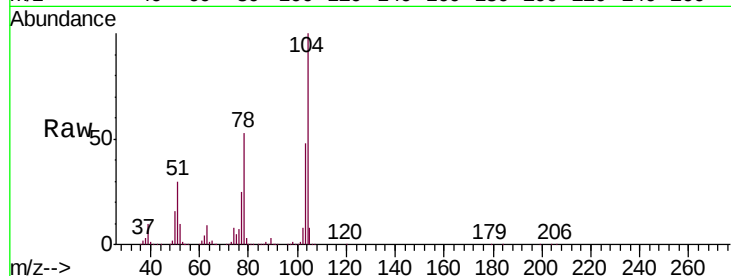
Tgt Ion:104 Resp: 1567398

Ion Ratio Lower Upper

104 100

78 52.6 41.8 62.6

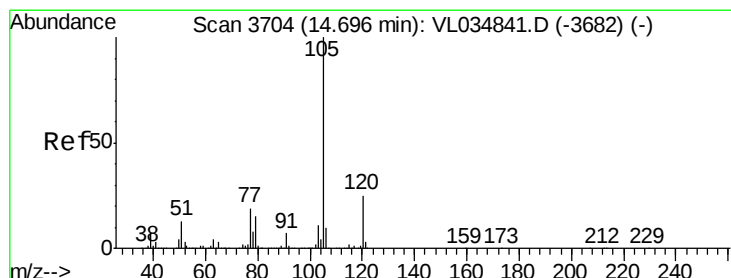
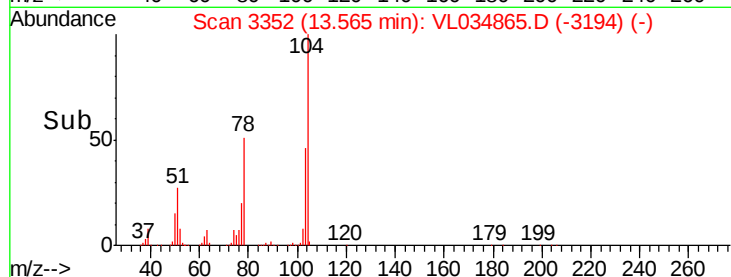
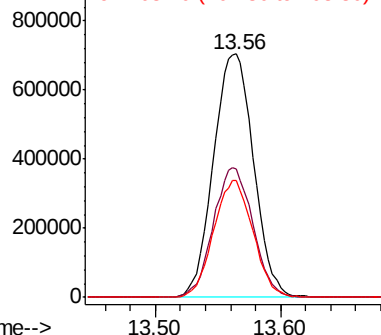
103 47.2 37.8 56.6



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: 9.003 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL034865.D

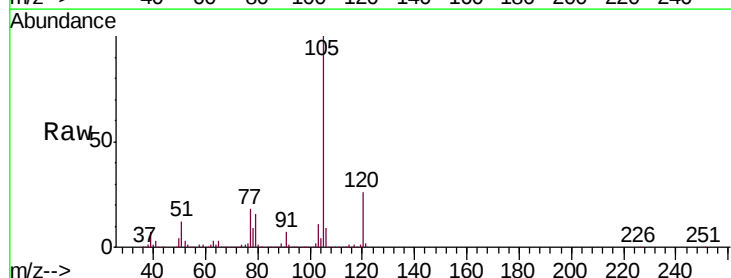
Acq: 10 Mar 2020 13:42

Tgt Ion:105 Resp: 3118951

Ion Ratio Lower Upper

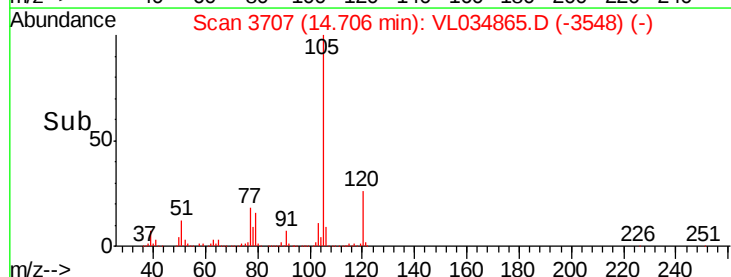
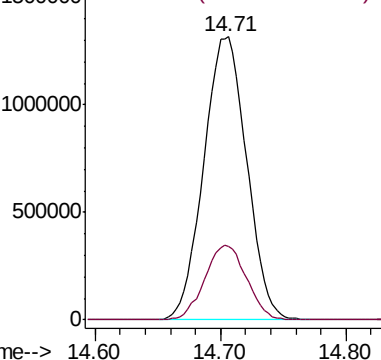
105 100

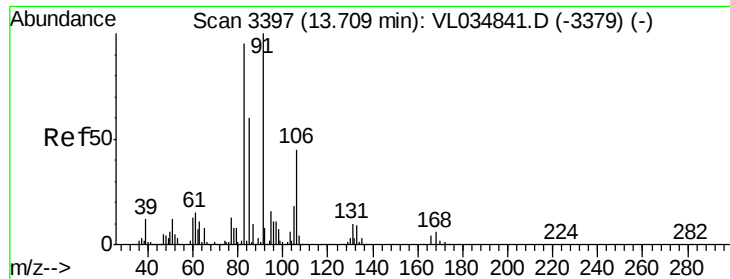
120 25.7 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

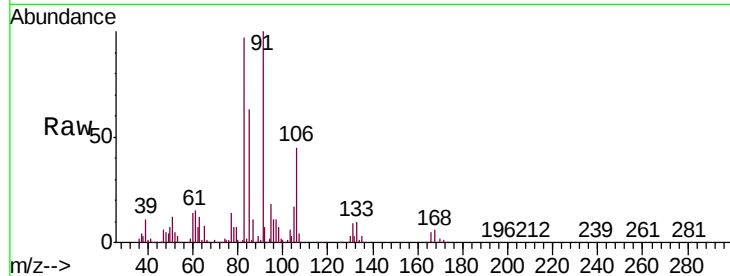




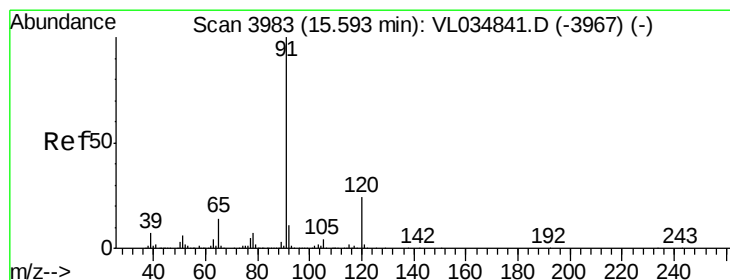
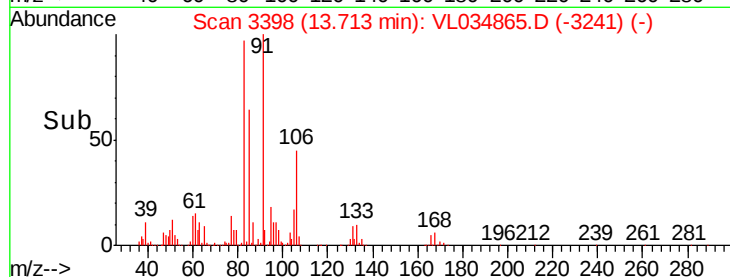
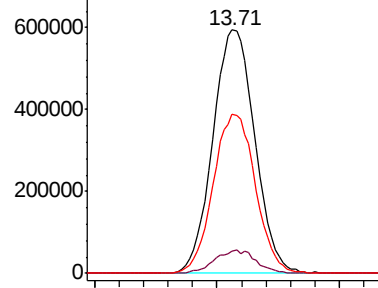
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.088 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tgt Ion: 83 Resp: 1413617
 Ion Ratio Lower Upper
 83 100
 131 9.3 5.0 14.9
 85 65.9 32.4 97.2

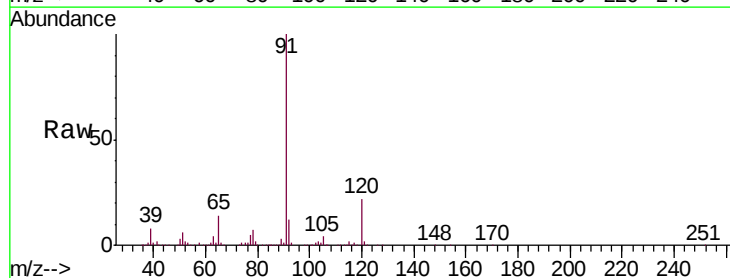


Abundance Ion 83.00 (82.70 to 83.70): VL0
 800000
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

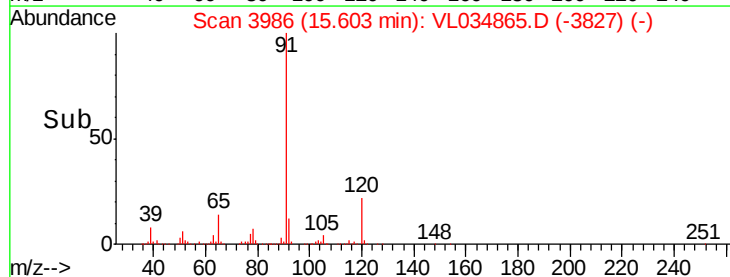
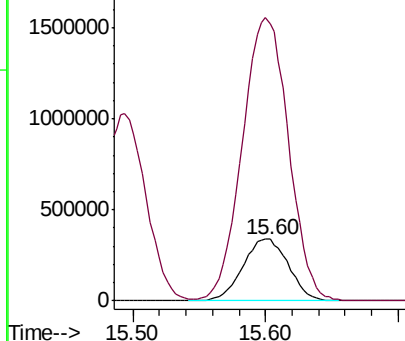


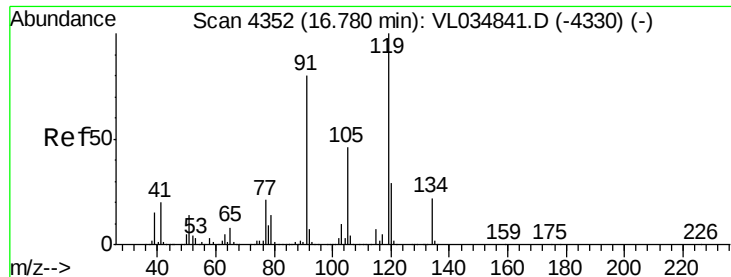
#64
 n-propylbenzene
 Concen: 8.988 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 120 Resp: 810384
 Ion Ratio Lower Upper
 120 100
 91 467.2 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): V
 1500000
 Ion 91.10 (90.80 to 91.80): VL0

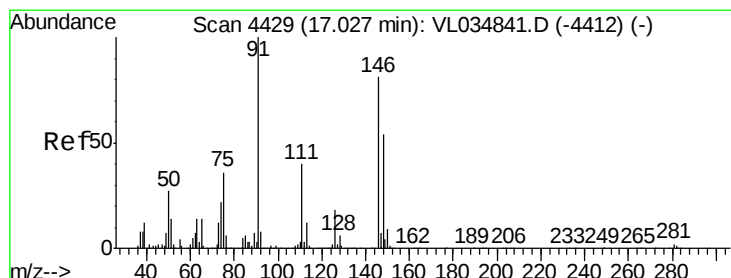
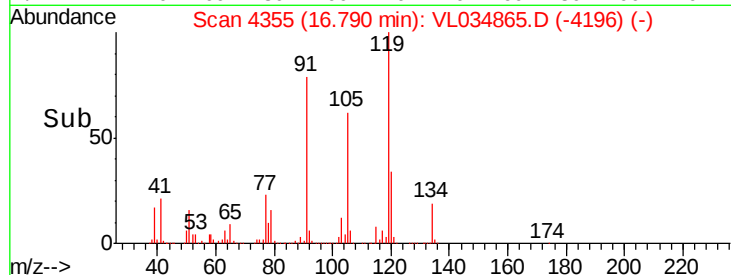
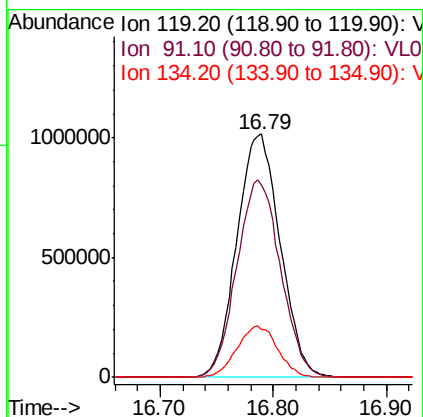
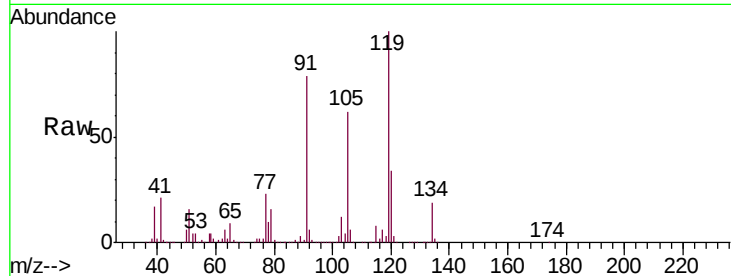




#65
 tert-Butylbenzene
 Concen: 8.927 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

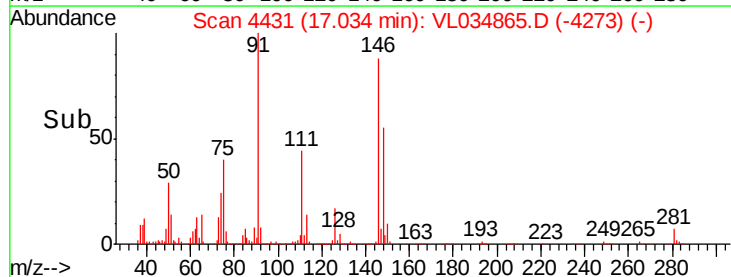
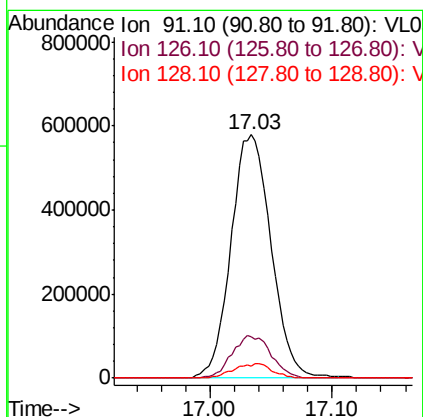
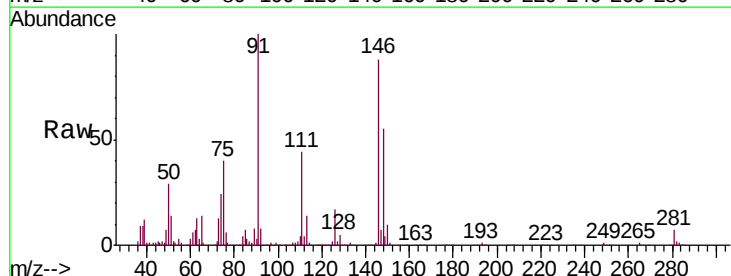
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

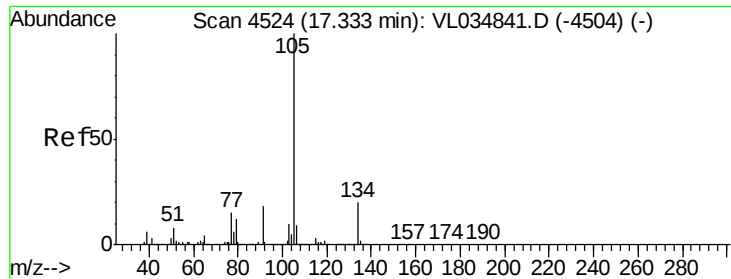
Tgt Ion: 119 Resp: 2703548
 Ion Ratio Lower Upper
 119 100
 91 82.0 64.9 97.3
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 10.392 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 91 Resp: 1312304
 Ion Ratio Lower Upper
 91 100
 126 17.2 14.7 22.1
 128 5.7 4.7 7.1

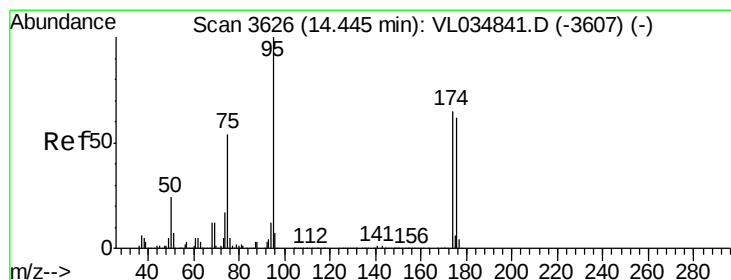
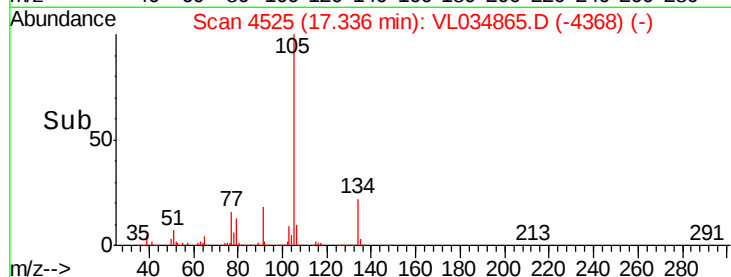
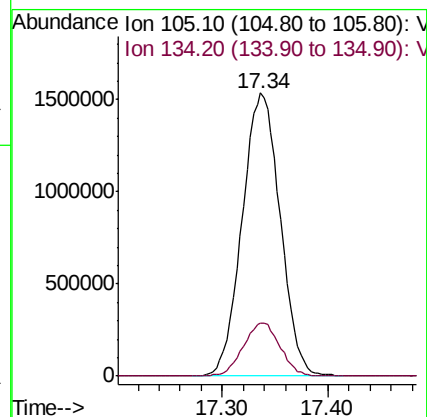
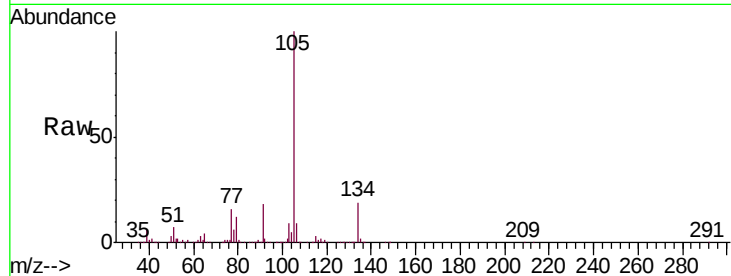




#67
 sec-Butylbenzene
 Concen: 9.150 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

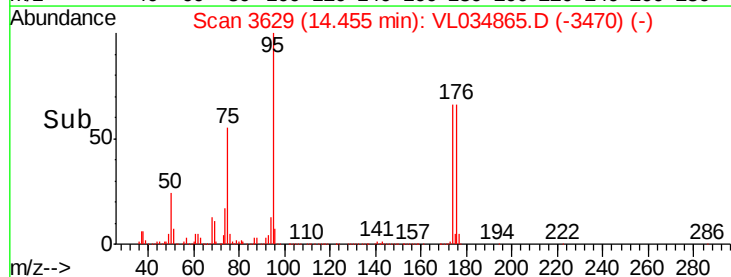
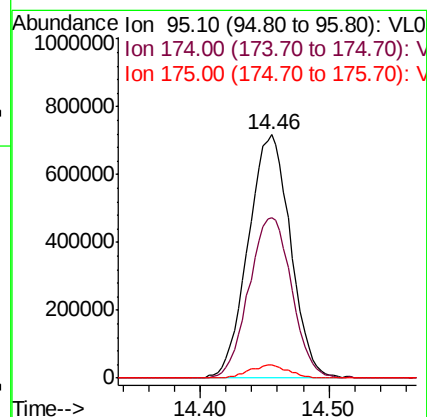
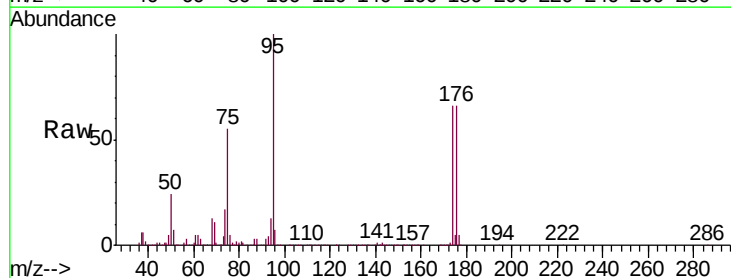
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

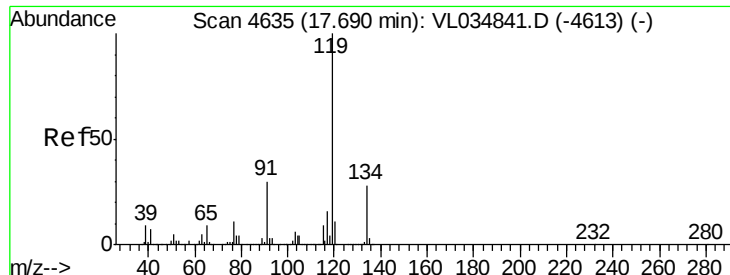
Tgt Ion: 105 Resp: 3842473
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.161 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 95 Resp: 1638927
 Ion Ratio Lower Upper
 95 100
 174 67.0 55.2 82.8
 175 5.1 4.3 6.5

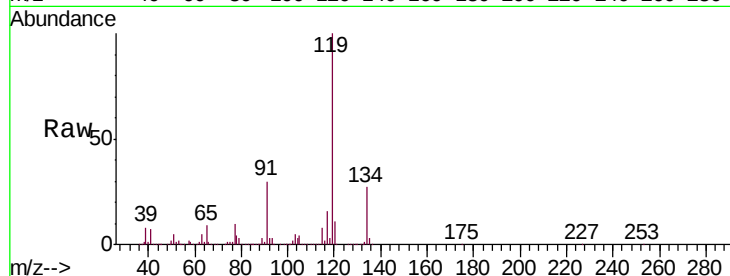




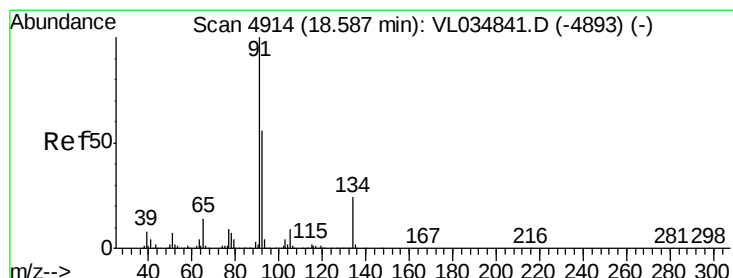
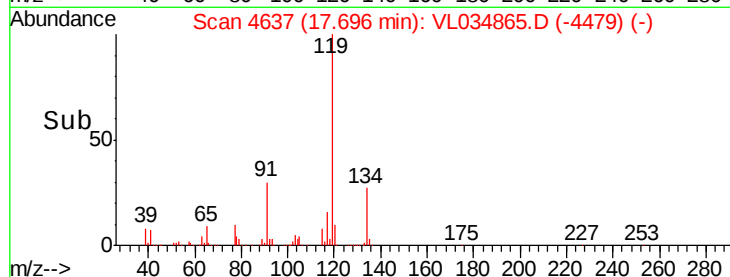
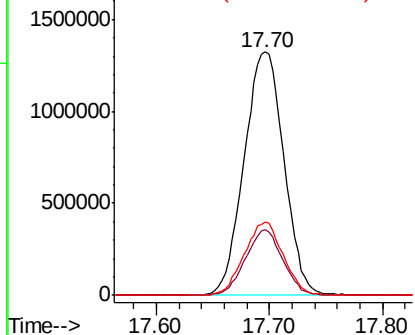
#69
 p-Isopropyltoluene
 Concen: 9.191 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tgt Ion: 119 Resp: 3236356
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.6 30.8
 91 29.5 23.4 35.2

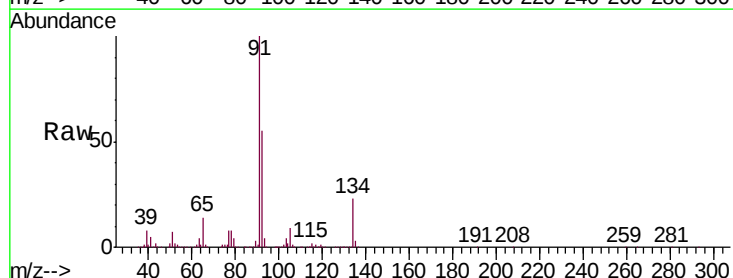


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

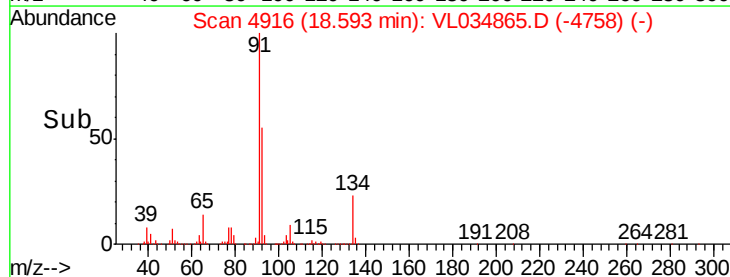
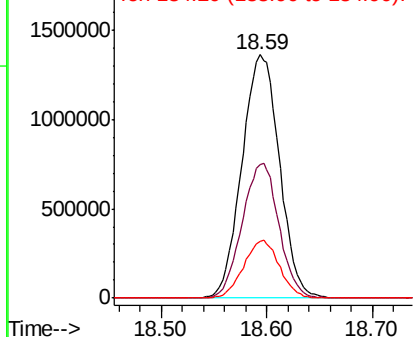


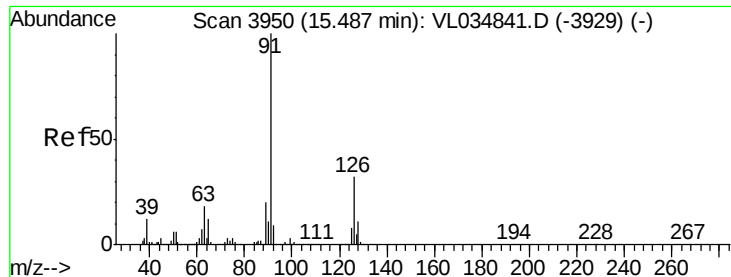
#70
 n-Butylbenzene
 Concen: 9.369 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 91 Resp: 3365966
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.8 65.6
 134 22.8 19.0 28.4



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





#71

2-Chlorotoluene

Concen: 9.060 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

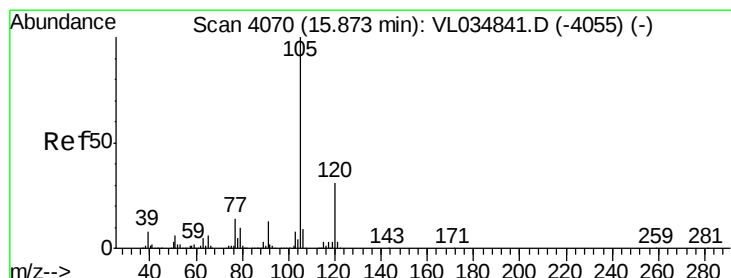
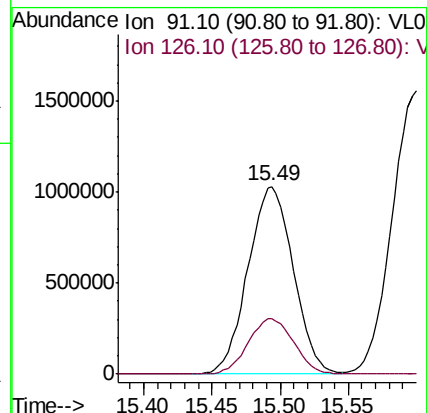
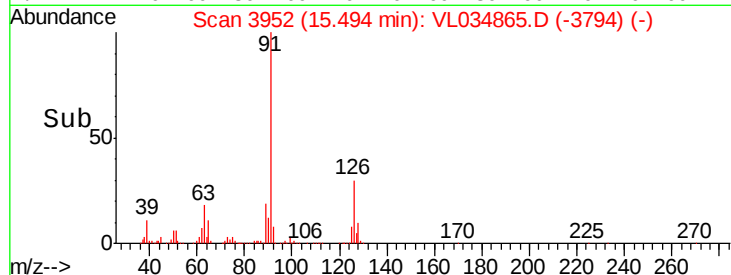
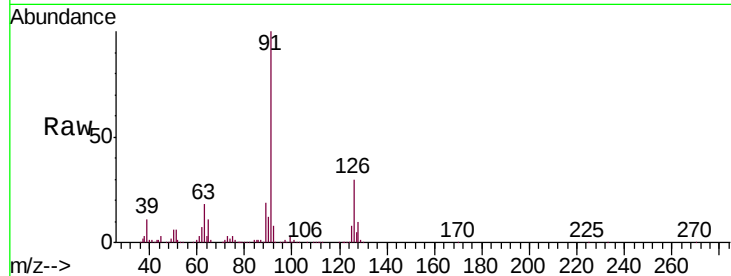
VL0310ABS01

Tgt Ion: 91 Resp: 2376901

Ion Ratio Lower Upper

91 100

126 29.9 12.3 49.1



#72

4-Ethyltoluene

Concen: 9.235 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion: 105 Resp: 2498670

Ion Ratio Lower Upper

105 100

120 29.0 23.7 35.5

91 12.8 10.5 15.7

77 14.6 11.1 16.7

