

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
 Data File : VL034916.D
 Acq On : 17 Mar 2020 14:47
 Operator : SY/AP
 Sample : VL0317ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Quant Time: Mar 18 06:58:47 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	962329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2116647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2713451	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1790178	8.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1643082	12.469	ppbv	100
3) Chlorodifluoromethane	2.95	51	1068407	9.939	ppbv	97
4) Chloromethane	3.10	50	616341	10.145	ppbv	99
5) Vinyl Chloride	3.22	62	594624	10.180	ppbv #	88
6) Bromomethane	3.44	94	357852	10.524	ppbv	98
7) Chloroethane	3.52	64	220248	10.442	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1349700	9.862	ppbv	96
9) Propene	2.97	41	489849	9.544	ppbv	100
10) Heptane	8.13	43	1309379	10.366	ppbv	98
11) Trichlorofluoromethane	3.92	101	1378201	9.830	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965329	9.838	ppbv	96
13) Ethanol	3.57	45	136400	8.741	ppbv	97
14) Bromoethene	3.70	108	426252	10.059	ppbv	100
15) Acetone	3.82	43	1114587	8.936	ppbv	99
16) 1,3-Butadiene	3.29	39	558566	9.903	ppbv	99
17) tert-Butyl alcohol	4.27	59	970769	8.079	ppbv	99
18) 1,1-Dichloroethene	4.26	96	439467	10.114	ppbv	96
19) Isopropyl Alcohol	3.94	45	712233	9.043	ppbv #	41
20) Methylene Chloride	4.32	84	397975	10.092	ppbv	95
21) Allyl Chloride	4.39	41	781965	9.762	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	437971	9.935	ppbv	98
23) Vinyl Acetate	5.06	43	1769311	9.603	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1231932	9.974	ppbv	100
25) Ethyl Acetate	5.67	43	2161615	9.728	ppbv	99
26) Hexane	5.67	57	955055	9.981	ppbv	99
27) Carbon Disulfide	4.53	76	1124112	10.353	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1456448	9.148	ppbv	98
29) Chloroform	5.74	83	1472705	10.087	ppbv	97
30) Cyclohexane	7.13	84	810562	10.153	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	969885	9.911	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	1412981	9.933	ppbv	97
34) 2-Butanone	5.23	43	1438041	10.223	ppbv	99
35) Carbon Tetrachloride	7.02	117	1438130	10.924	ppbv	97
36) Benzene	6.89	78	1920688	10.180	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1168460	10.984	ppbv	98
38) Trichloroethene	7.84	130	720073	10.049	ppbv	96
39) 1,2-Dichloropropane	7.62	63	756911	10.126	ppbv	96
40) 1,4-Dioxane	7.84	88	146818	5.201	ppbv #	1
41) Tetrahydrofuran	6.04	42	816346	10.726	ppbv	100
42) Bromodichloromethane	7.80	83	1574892	10.862	ppbv	98
43) Methyl Methacrylate	8.02	69	864036	10.870	ppbv	99

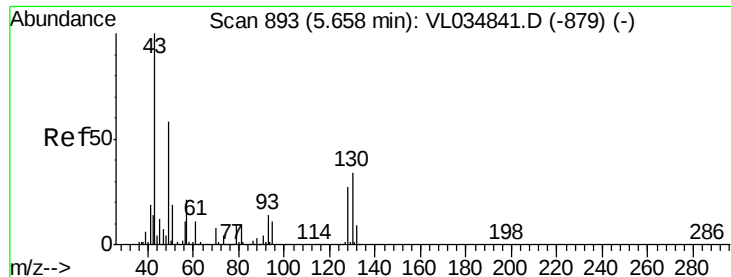
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3383245	10.612	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	984279	10.540	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1164931	10.498	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	799974	10.428	ppbv	98
48) Dibromochloromethane	10.32	129	1299792	10.463	ppbv	100
49) Bromoform	13.07	173	1171876	10.579	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2172346	10.728	ppbv	99
51) 2-Hexanone	10.15	43	1797932	10.926	ppbv #	99
52) Tetrachloroethene	11.24	164	677728	9.080	ppbv	99
53) Toluene	9.82	91	2257310	10.361	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1206321	10.447	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	993974	8.155	ppbv	100
57) Chlorobenzene	12.17	112	1687385	7.948	ppbv	95
58) Ethyl Benzene	12.74	91	3040165	8.273	ppbv	99
59) m/p-Xylene	13.02	91	2306339	7.492	ppbv #	21
60) o-Xylene	13.72	91	2496188	8.305	ppbv	99
61) Styrene	13.55	104	1821803	8.636	ppbv	98
62) Isopropylbenzene	14.70	105	3712259	8.168	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1782583	8.736	ppbv	100
64) n-propylbenzene	15.59	120	982827	8.308	ppbv	94
65) tert-Butylbenzene	16.78	119	3213811	8.089	ppbv	97
66) Benzyl Chloride	17.02	91	1249526	7.542	ppbv	96
67) sec-Butylbenzene	17.33	105	4608553	8.365	ppbv	99
69) p-Isopropyltoluene	17.69	119	3841306	8.315	ppbv	99
70) n-Butylbenzene	18.58	91	4104383	8.708	ppbv	99
71) 2-Chlorotoluene	15.48	91	2879382	8.365	ppbv	98
72) 4-Ethyltoluene	15.87	105	3008873	8.476	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2786000	8.384	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2915637	8.516	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1676793	8.123	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1673111	8.122	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1626783	8.130	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1337655	8.004	ppbv	99
79) Naphthalene	22.25	128	2745426	10.283	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1111927	15.937	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1572765	9.272	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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ClientSampleId :

VL0317ABS01

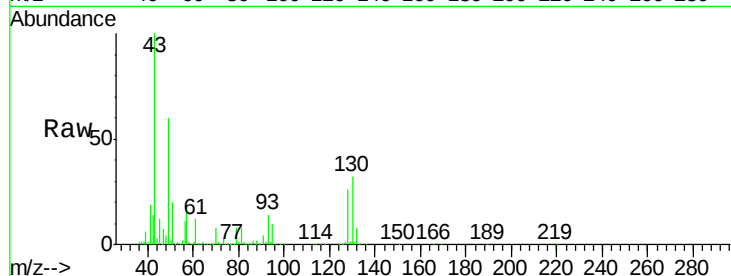
Tgt Ion: 49 Resp: 962329

Ion Ratio Lower Upper

49 100

128 44.5 23.4 70.3

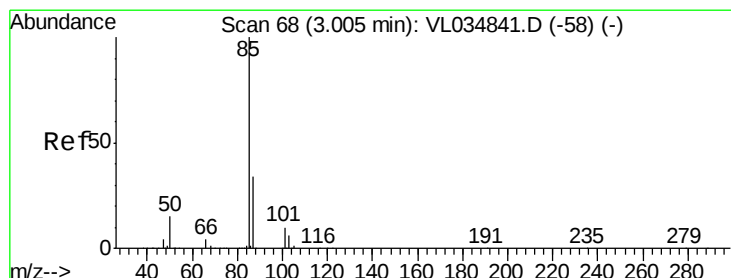
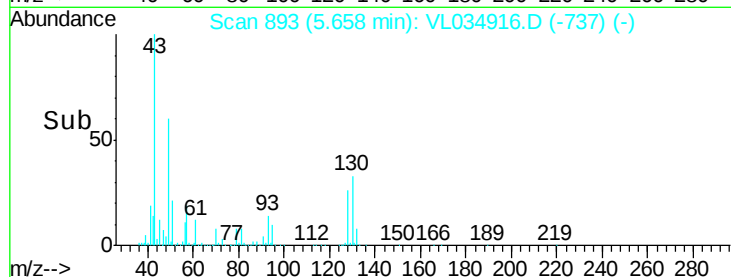
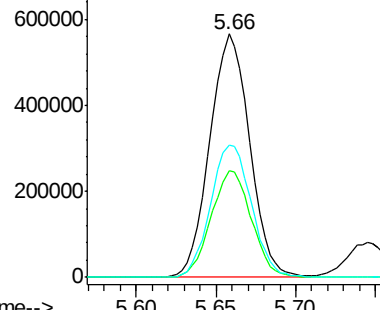
130 55.8 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 12.469 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034916.D

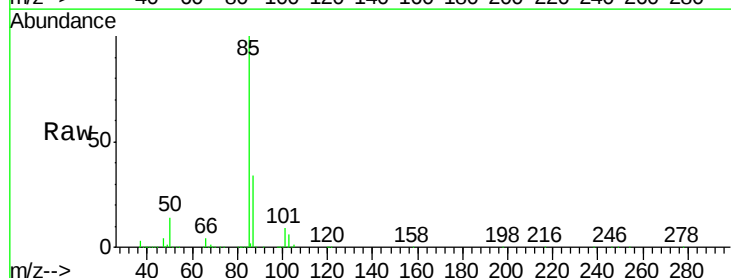
Acq: 17 Mar 2020 14:47

Tgt Ion: 85 Resp: 1643082

Ion Ratio Lower Upper

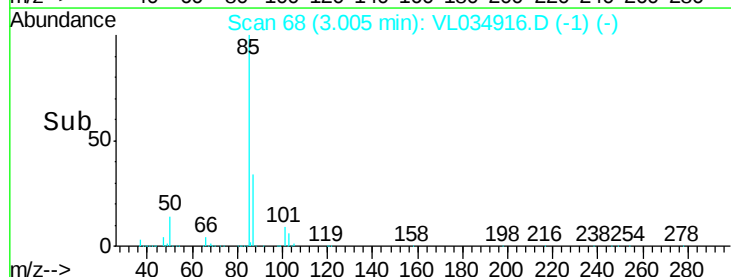
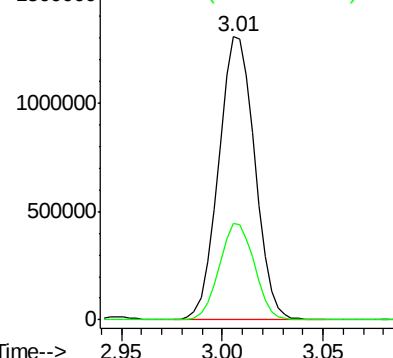
85 100

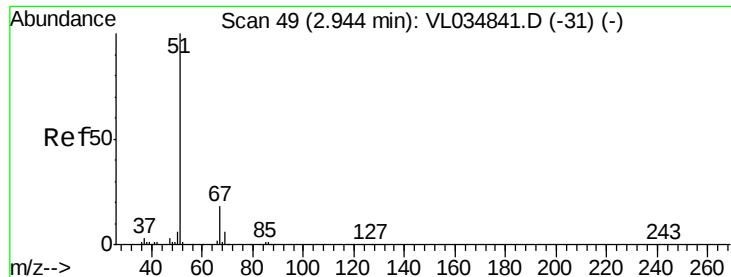
87 33.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.939 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

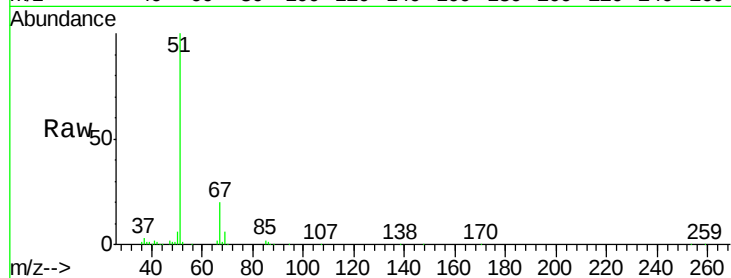
VL0317ABS01

Tgt Ion: 51 Resp: 1068407

Ion Ratio Lower Upper

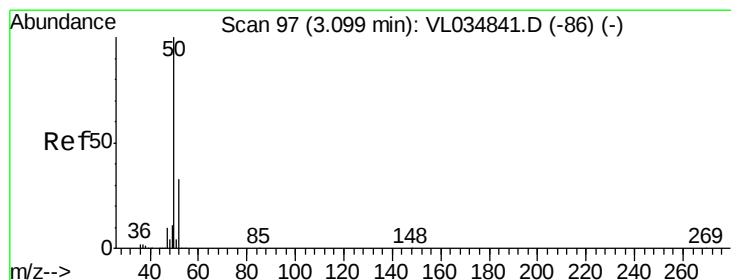
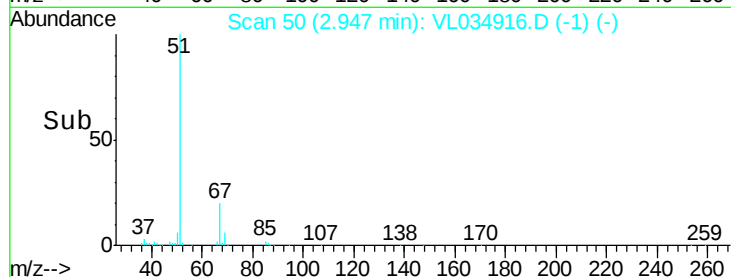
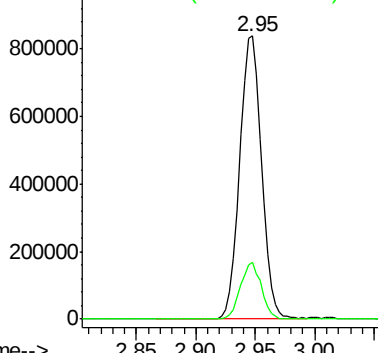
51 100

67 19.2 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.145 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034916.D

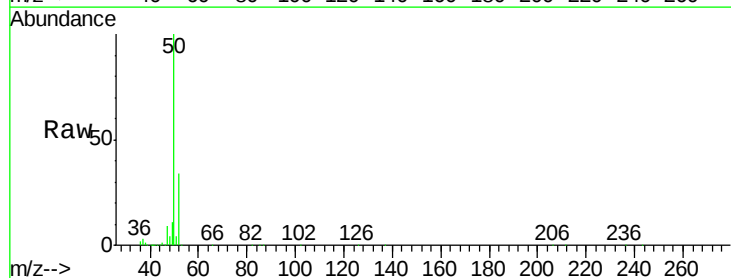
Acq: 17 Mar 2020 14:47

Tgt Ion: 50 Resp: 616341

Ion Ratio Lower Upper

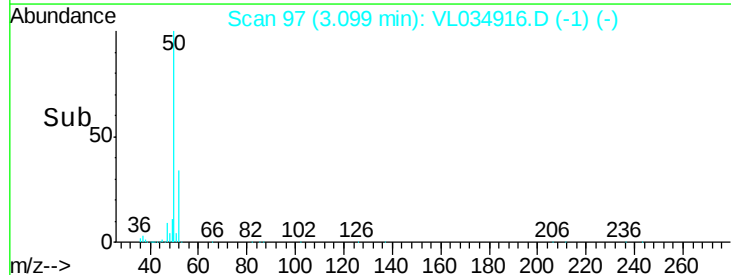
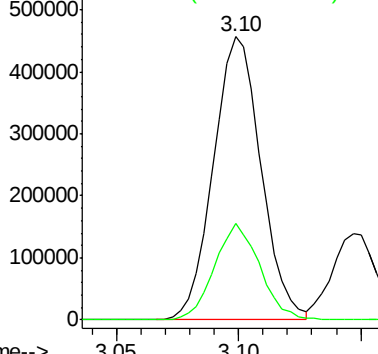
50 100

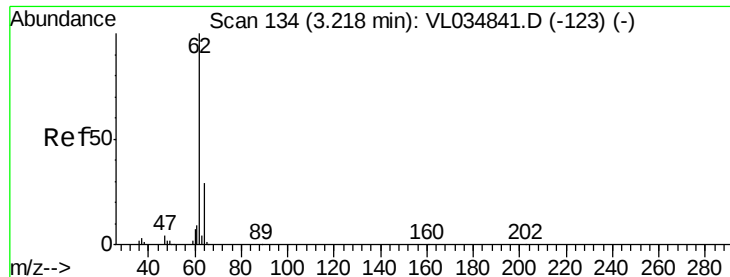
52 34.2 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.180 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

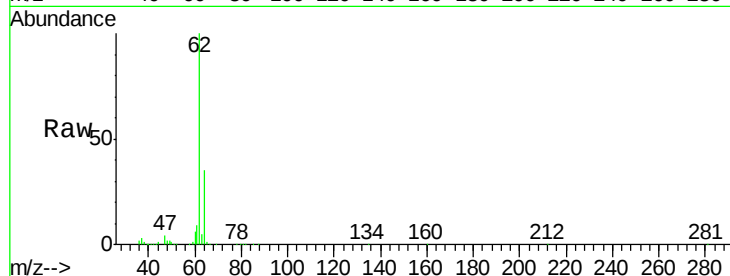
VL0317ABS01

Tgt Ion: 62 Resp: 594624

Ion Ratio Lower Upper

62 100

64 34.8 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

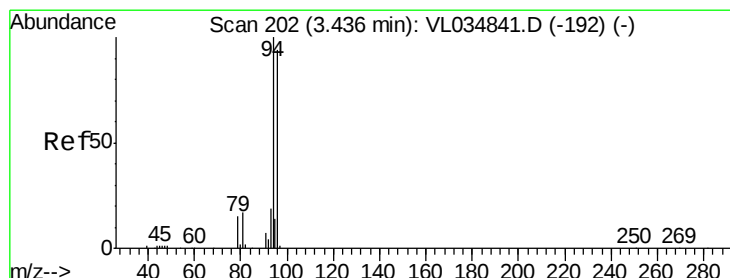
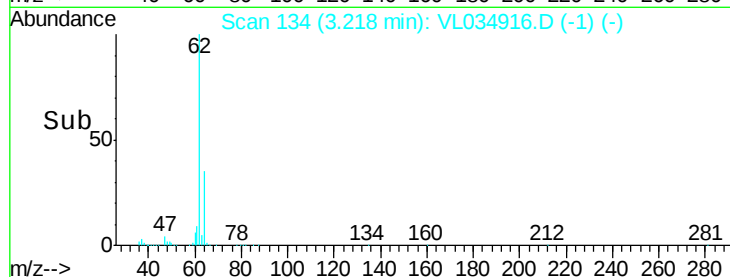
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 10.524 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034916.D

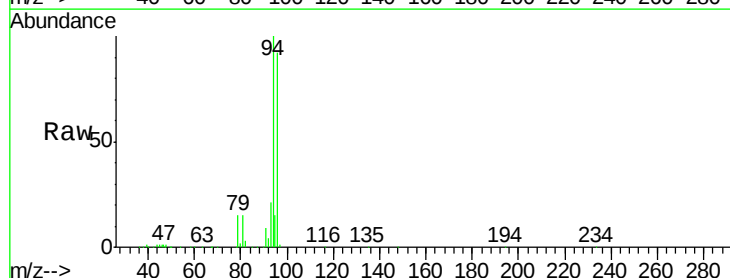
Acq: 17 Mar 2020 14:47

Tgt Ion: 94 Resp: 357852

Ion Ratio Lower Upper

94 100

96 92.3 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

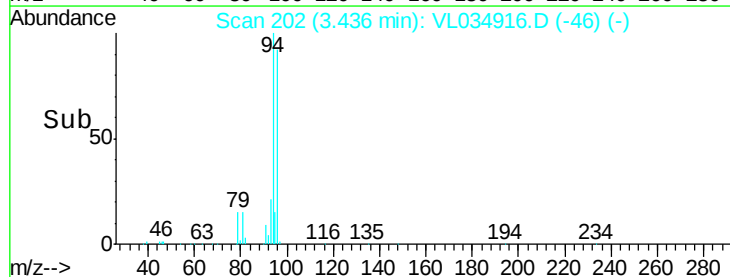
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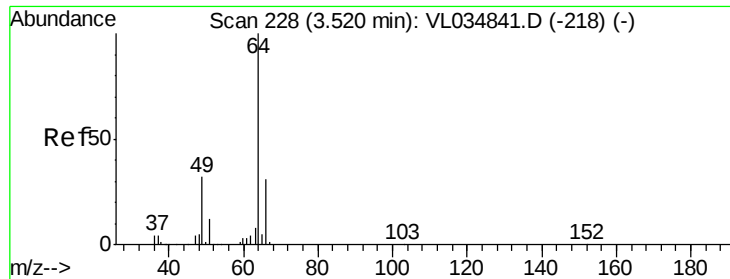
100000

50000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 10.442 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

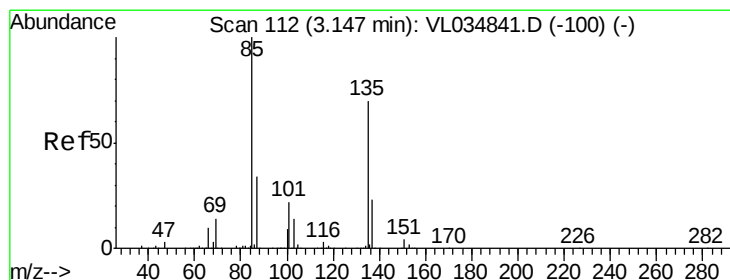
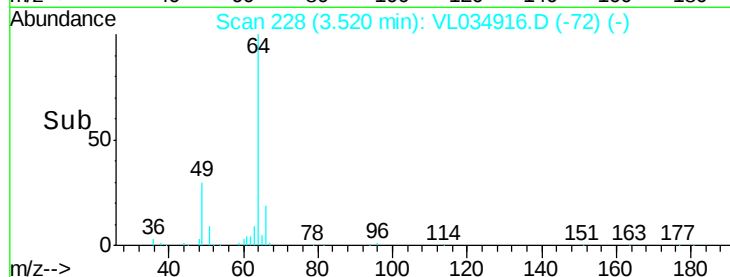
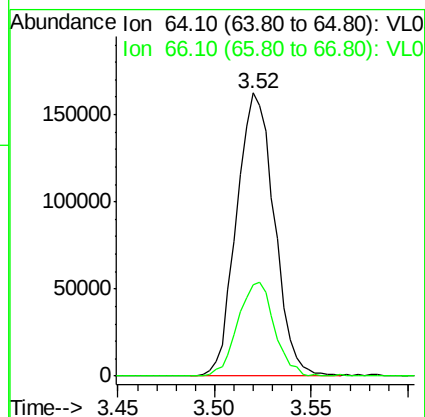
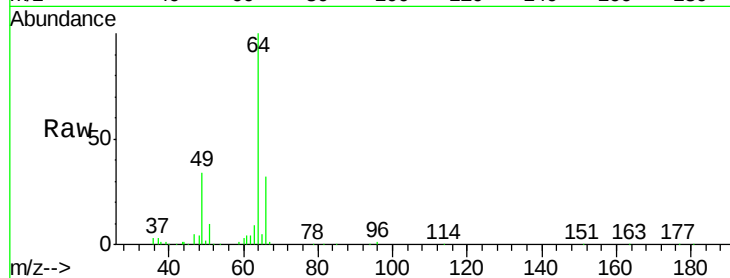
VL0317ABS01

Tgt Ion: 64 Resp: 220248

Ion Ratio Lower Upper

64 100

66 32.5 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.862 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034916.D

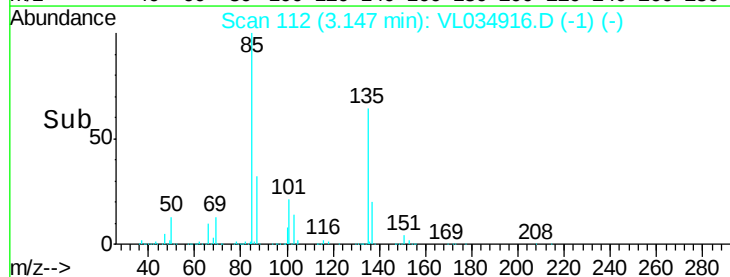
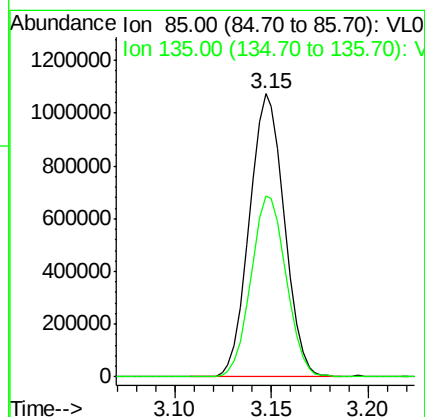
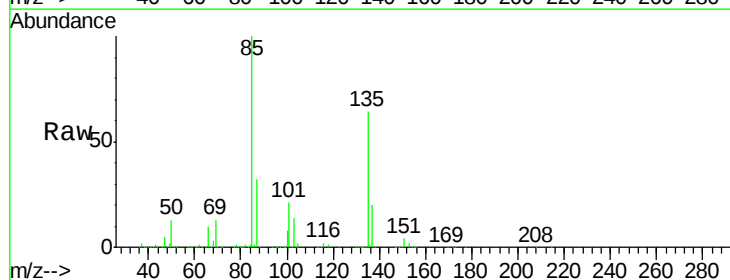
Acq: 17 Mar 2020 14:47

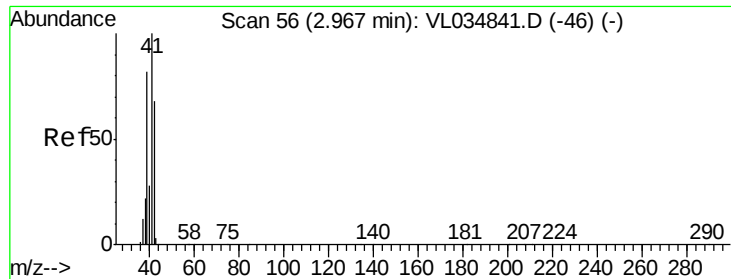
Tgt Ion: 85 Resp: 1349700

Ion Ratio Lower Upper

85 100

135 64.4 54.3 81.5





#9

Propene

Concen: 9.544 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

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MSVOA_L

ClientSampleId :

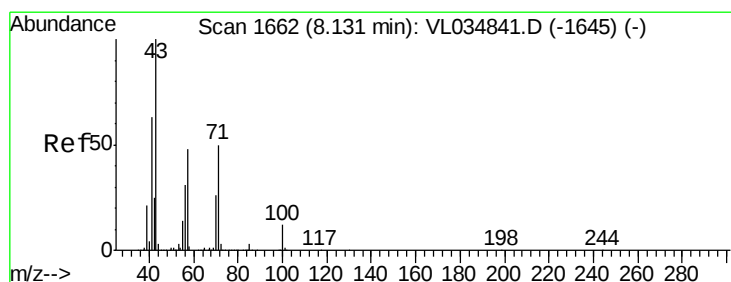
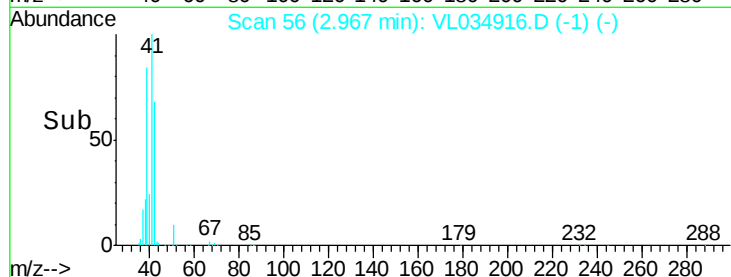
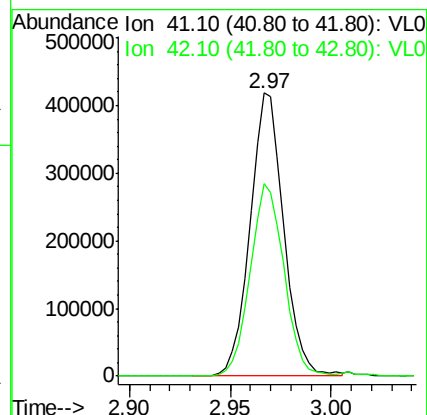
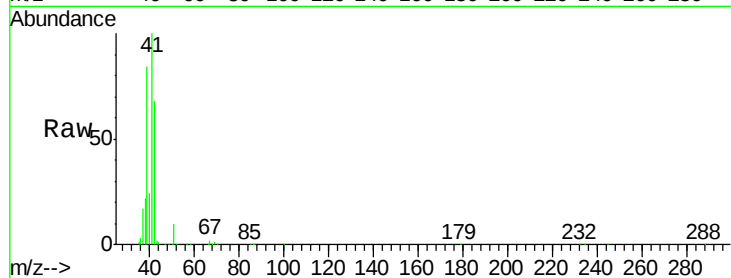
VL0317ABS01

Tgt Ion: 41 Resp: 489849

Ion Ratio Lower Upper

41 100

42 69.2 55.2 82.8



#10

Heptane

Concen: 10.366 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034916.D

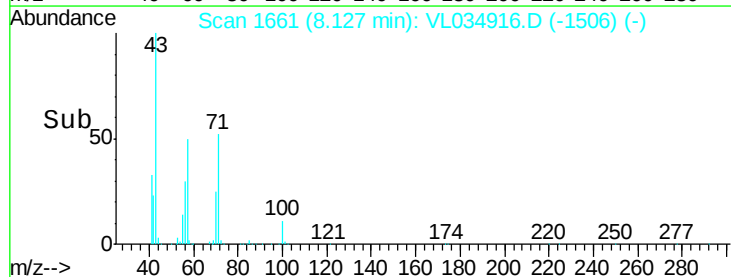
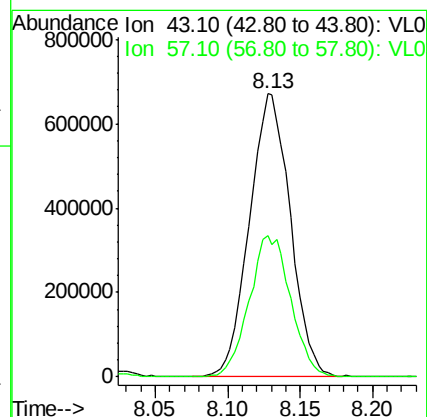
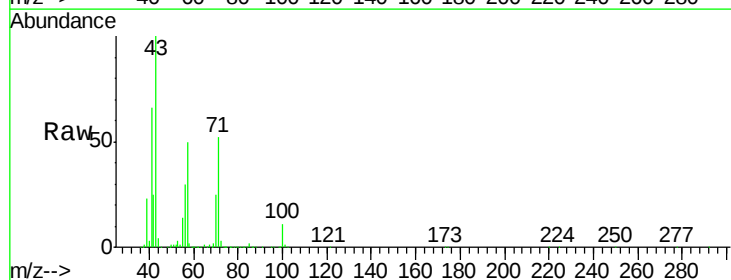
Acq: 17 Mar 2020 14:47

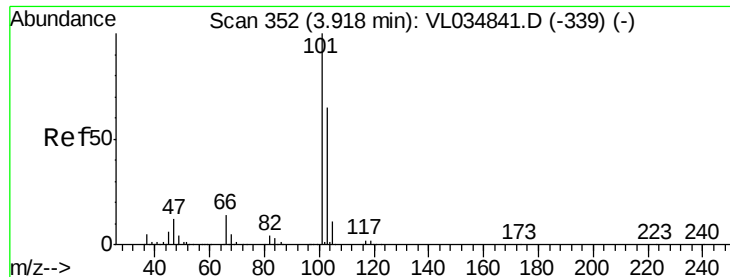
Tgt Ion: 43 Resp: 1309379

Ion Ratio Lower Upper

43 100

57 50.9 39.7 59.5

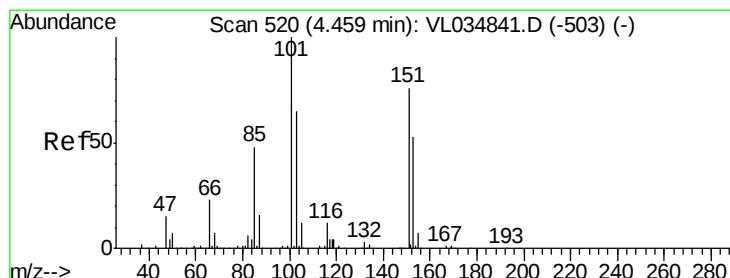
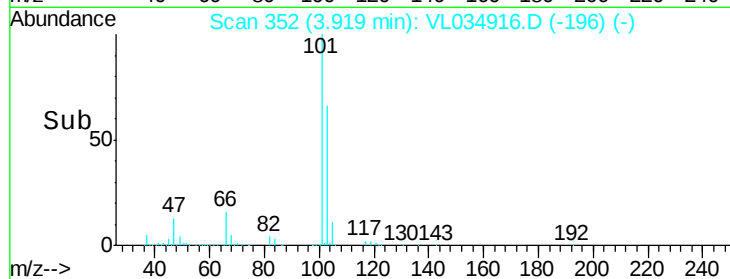
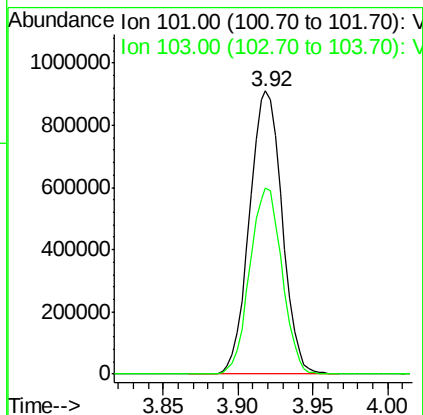
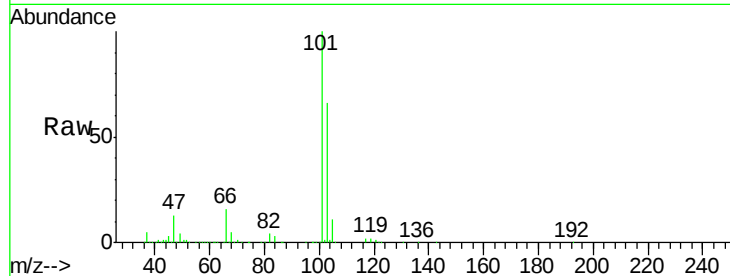




#11
 Trichlorofluoromethane
 Concen: 9.830 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

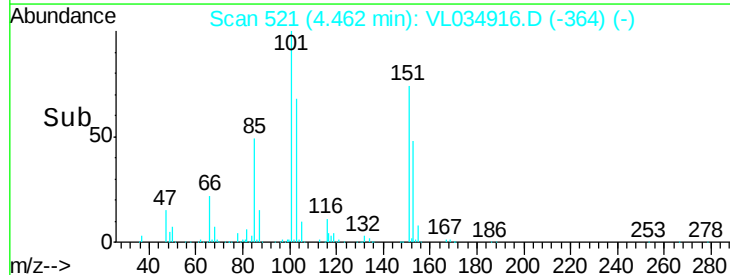
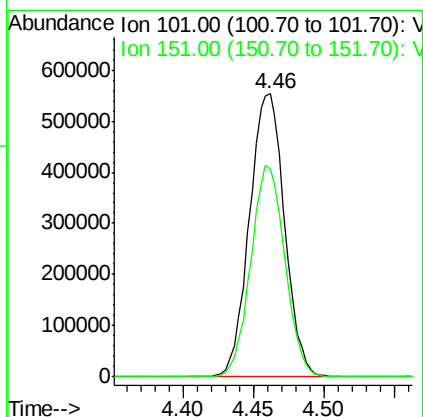
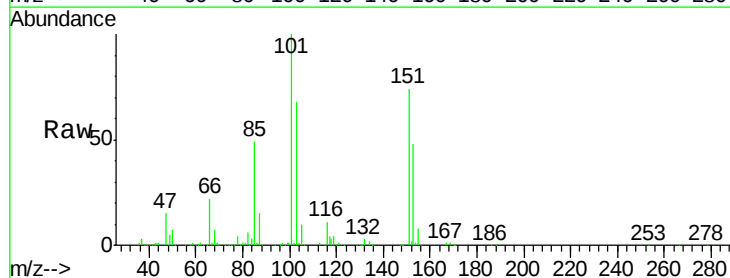
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

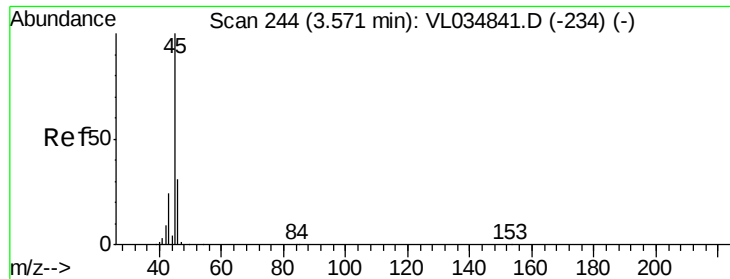
Tgt Ion:101 Resp: 1378201
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.838 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion:101 Resp: 965329
 Ion Ratio Lower Upper
 101 100
 151 72.7 60.8 91.2





#13

Ethanol

Concen: 8.741 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

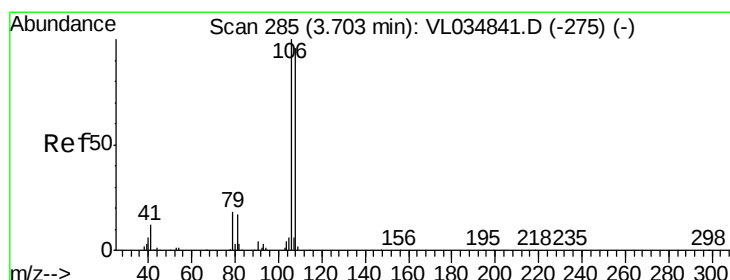
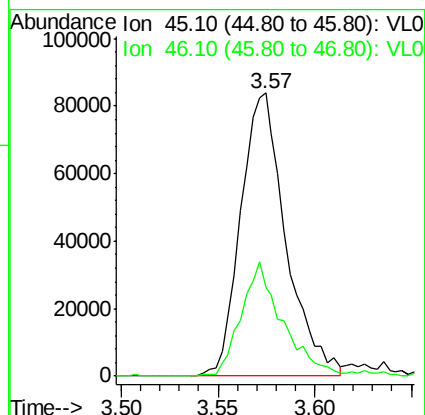
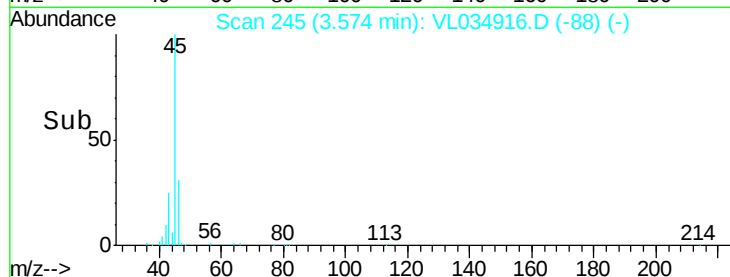
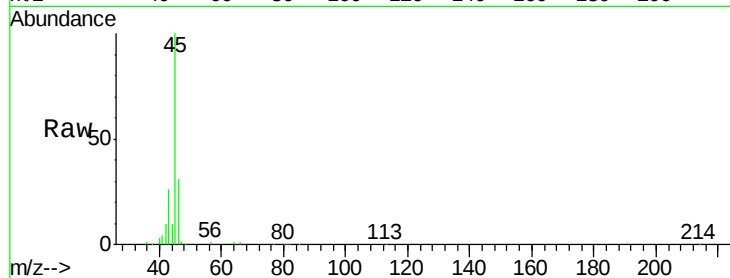
VL0317ABS01

Tgt Ion: 45 Resp: 136400

Ion Ratio Lower Upper

45 100

46 38.3 16.0 64.0



#14

Bromoethene

Concen: 10.059 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

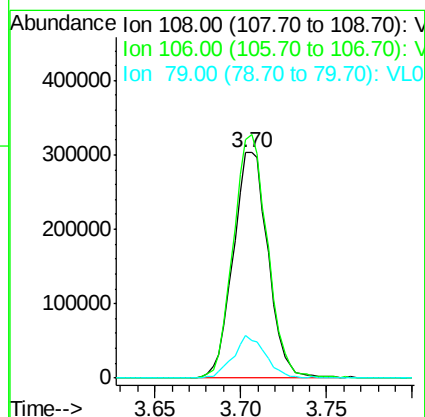
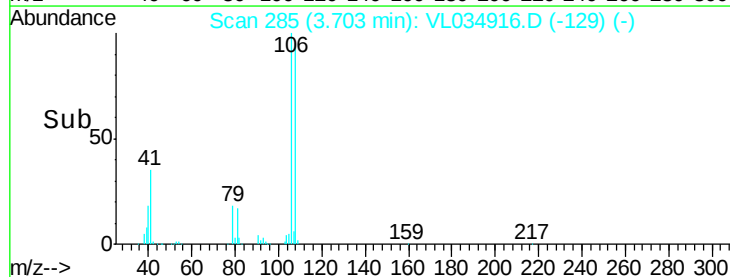
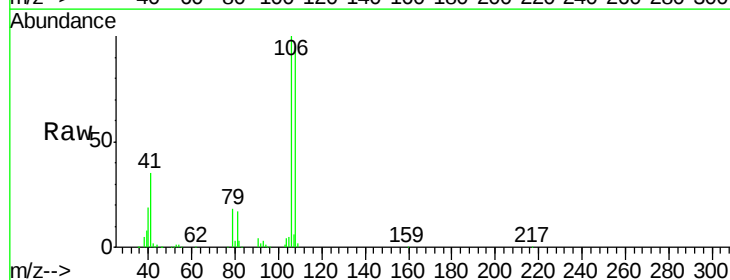
Tgt Ion: 108 Resp: 426252

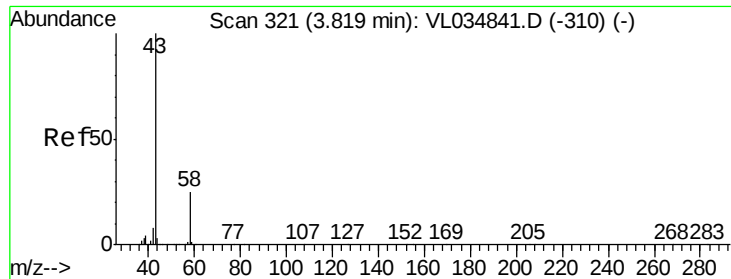
Ion Ratio Lower Upper

108 100

106 106.3 85.1 127.7

79 17.8 14.7 22.1





#15

Acetone

Concen: 8.936 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

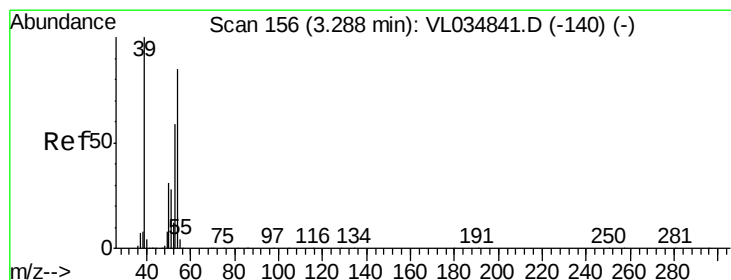
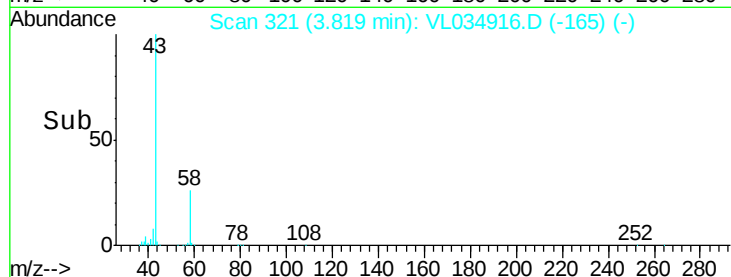
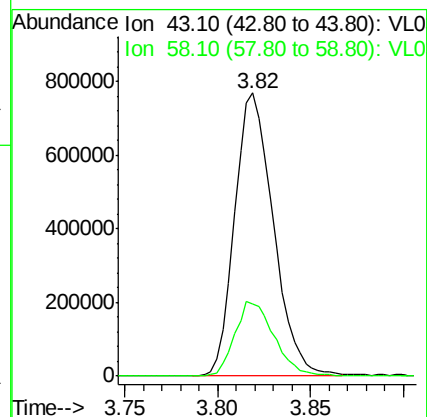
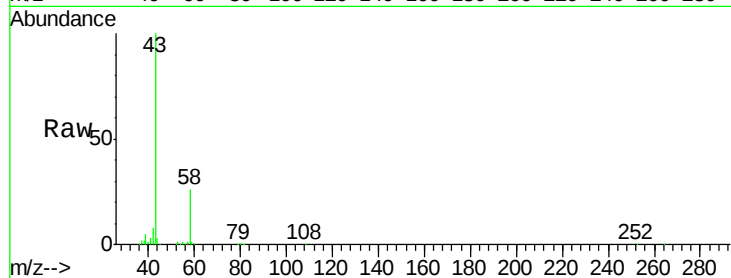
VL0317ABS01

Tgt Ion: 43 Resp: 1114587

Ion Ratio Lower Upper

43 100

58 26.9 21.0 31.6



#16

1,3-Butadiene

Concen: 9.903 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034916.D

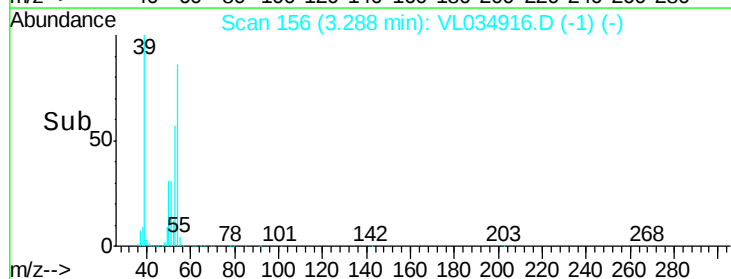
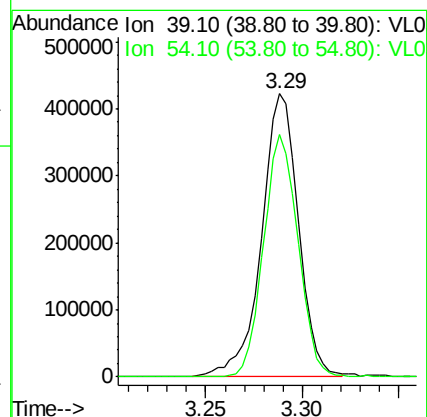
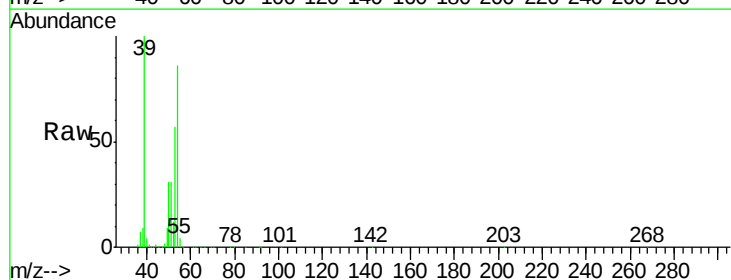
Acq: 17 Mar 2020 14:47

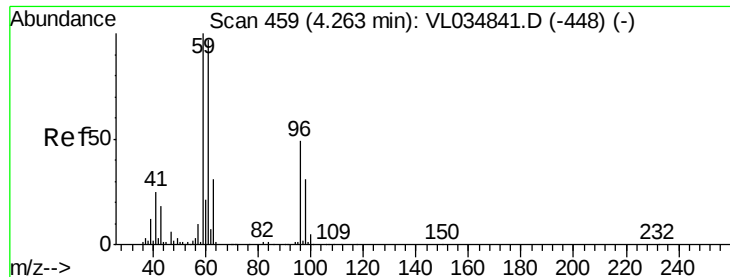
Tgt Ion: 39 Resp: 558566

Ion Ratio Lower Upper

39 100

54 80.7 65.0 97.6

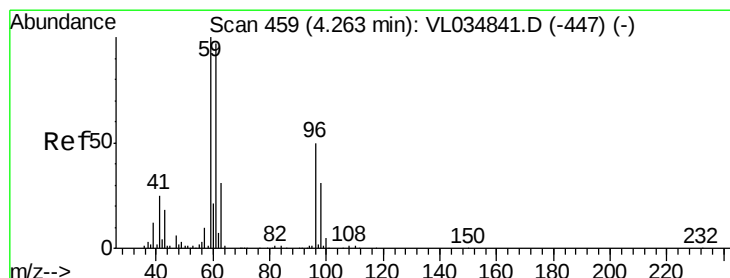
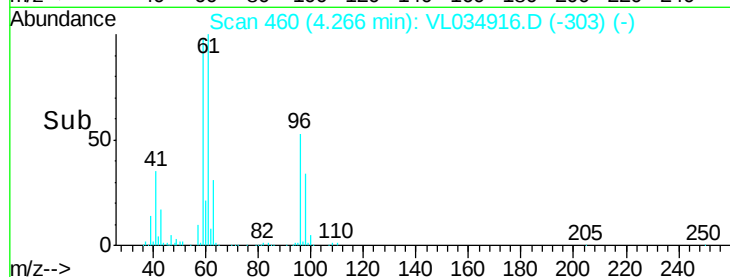
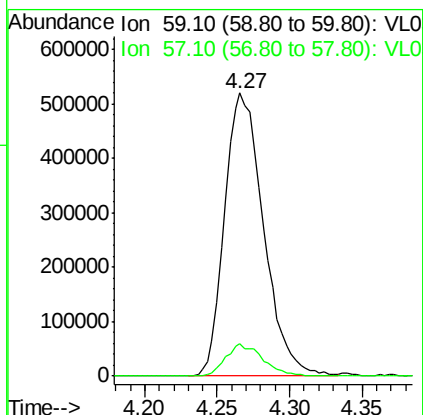
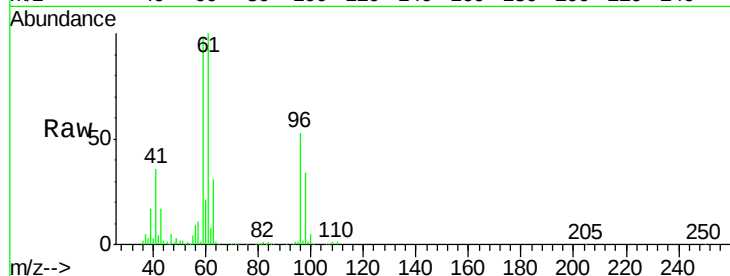




#17
 tert-Butyl alcohol
 Concen: 8.079 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

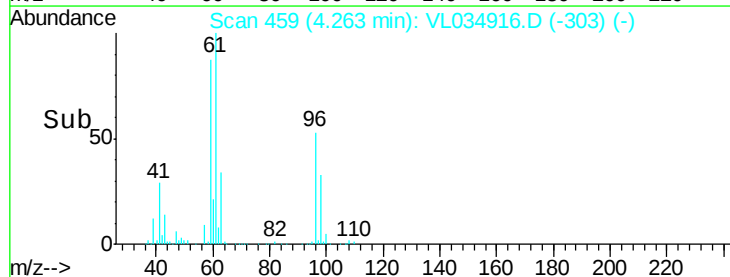
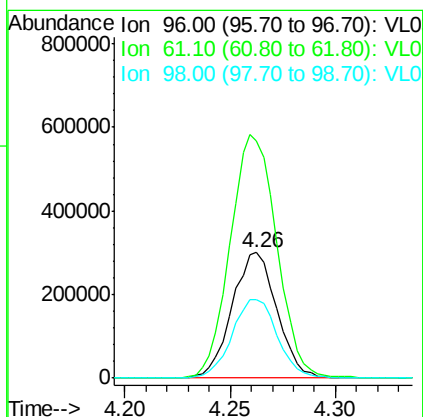
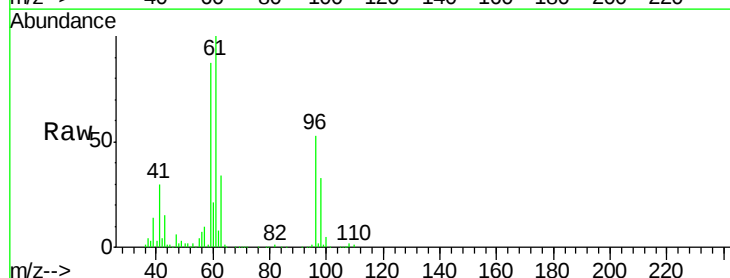
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

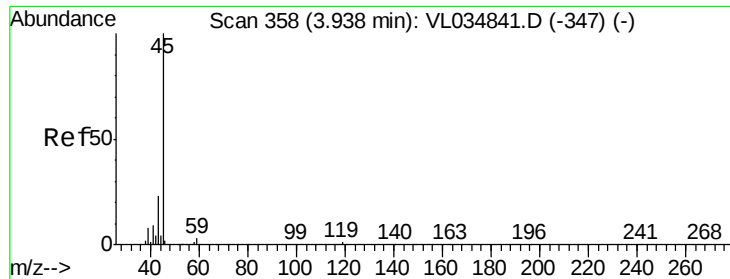
Tgt Ion: 59 Resp: 970769
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 10.114 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 96 Resp: 439467
 Ion Ratio Lower Upper
 96 100
 61 189.0 157.3 235.9
 98 61.8 50.2 75.4





#19

Isopropyl Alcohol

Concen: 9.043 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

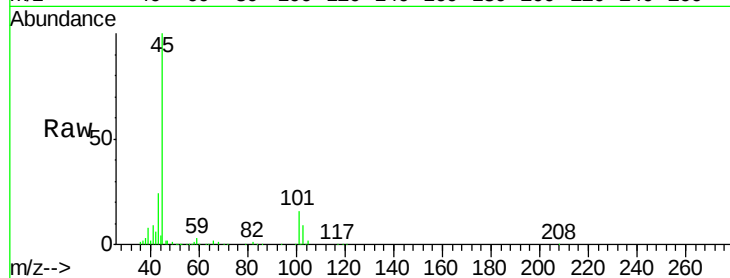
VL0317ABS01

Tgt Ion: 45 Resp: 712233

Ion Ratio Lower Upper

45 100

58 2.5 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

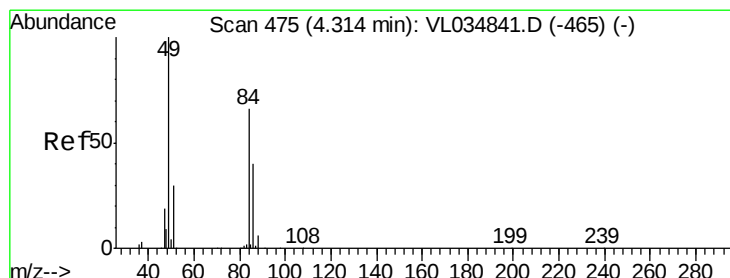
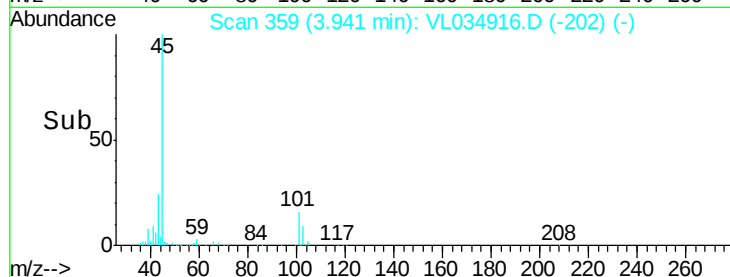
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 10.092 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 84 Resp: 397975

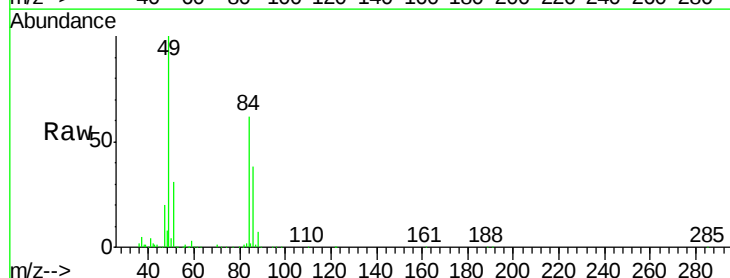
Ion Ratio Lower Upper

84 100

49 159.9 121.5 182.3

51 49.0 36.6 55.0

86 62.2 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

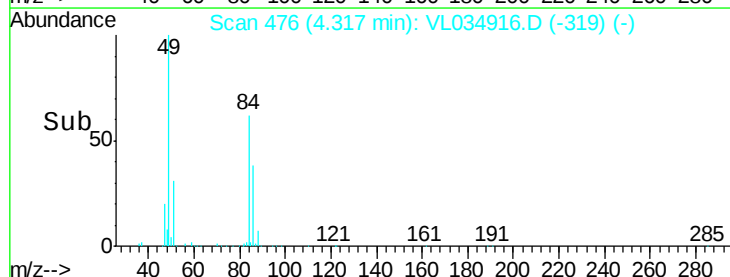
300000

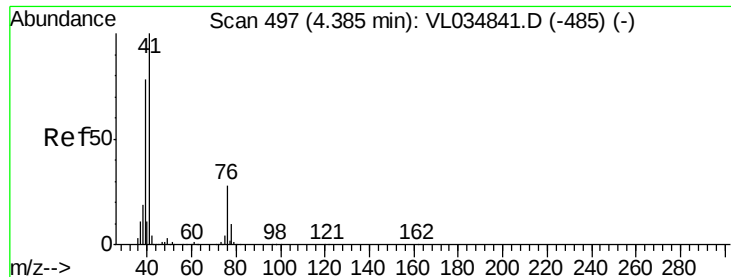
200000

100000

0

Time-->

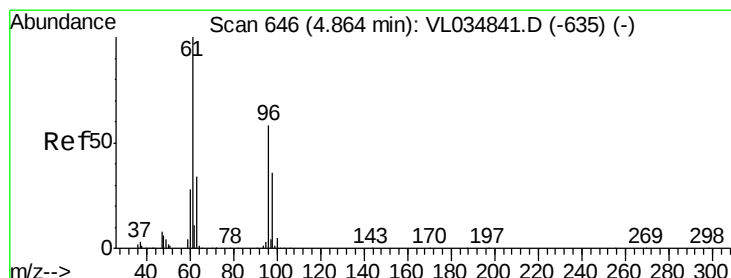
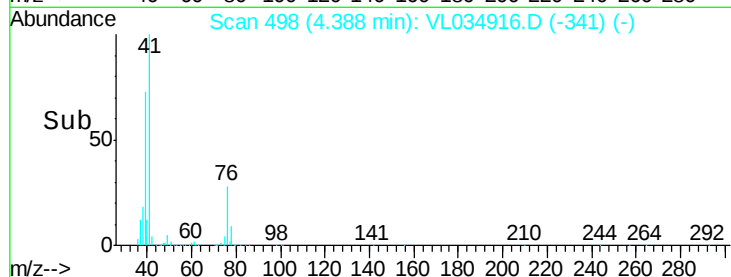
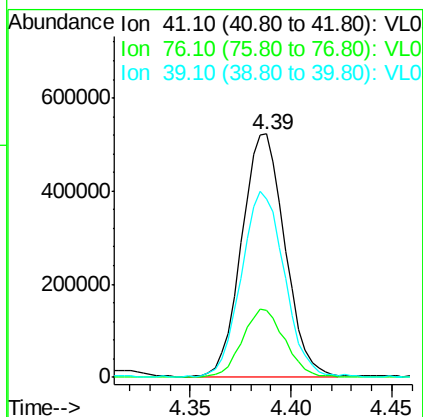
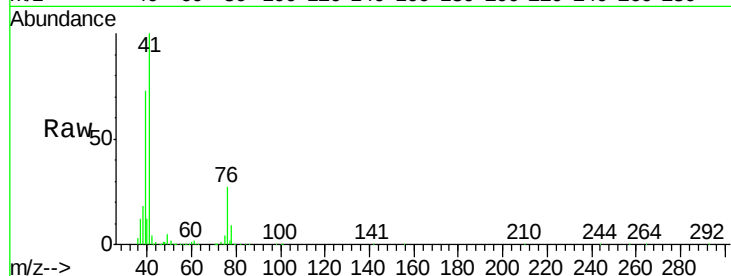




#21
 Allyl Chloride
 Concen: 9.762 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

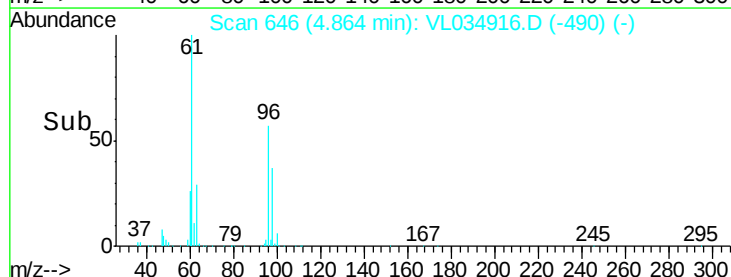
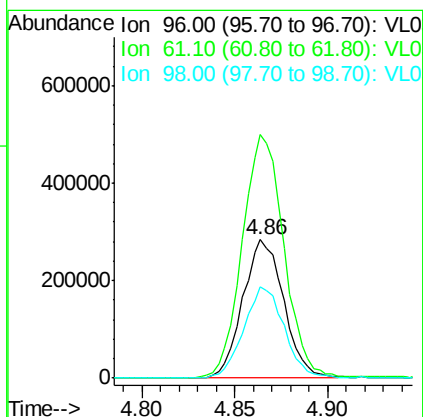
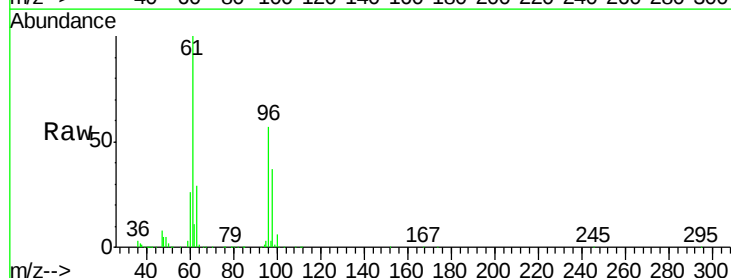
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

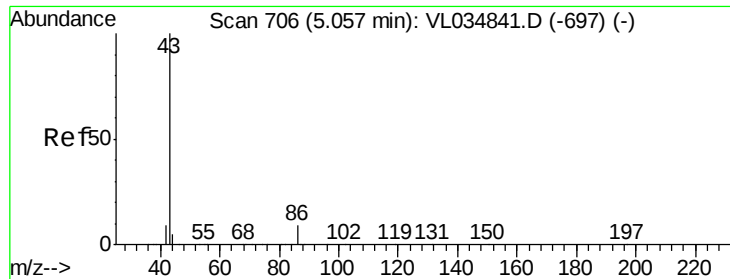
Tgt Ion: 41 Resp: 781965
 Ion Ratio Lower Upper
 41 100
 76 27.7 22.2 33.2
 39 76.4 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.935 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 96 Resp: 437971
 Ion Ratio Lower Upper
 96 100
 61 176.2 139.0 208.6
 98 65.9 50.3 75.5





#23

Vinyl Acetate

Concen: 9.603 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tgt Ion: 43 Resp: 1769311

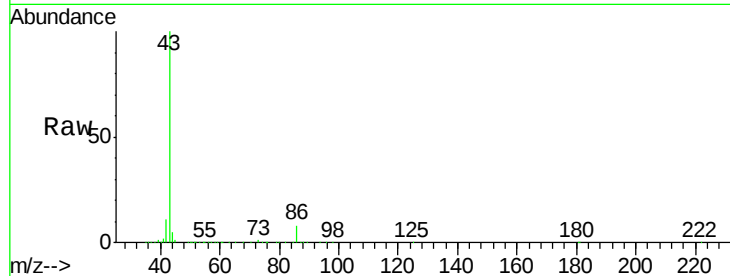
Ion Ratio Lower Upper

43 100

86 7.6 6.3 9.5

42 10.6 7.8 11.8

44 5.3 4.0 6.0

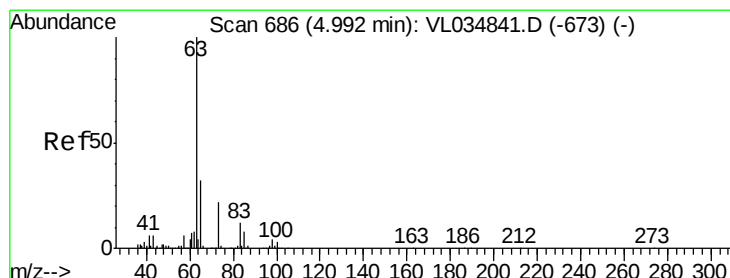
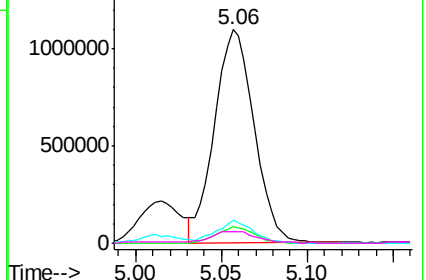
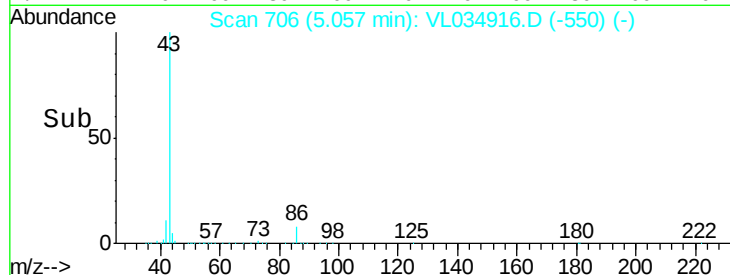


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.974 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

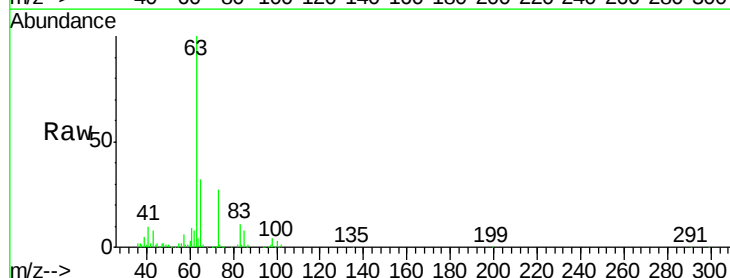
Tgt Ion: 63 Resp: 1231932

Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

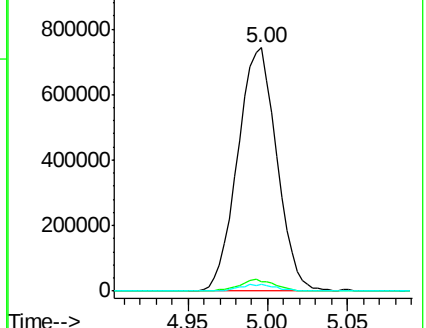
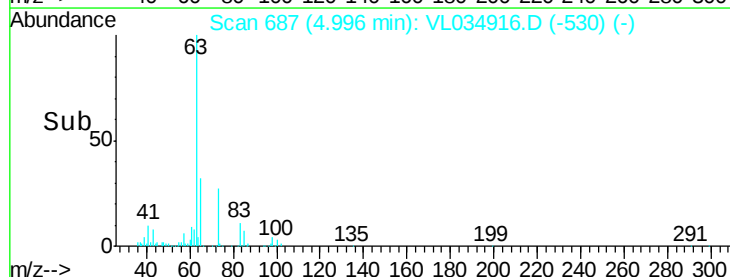
100 2.7 1.4 4.0

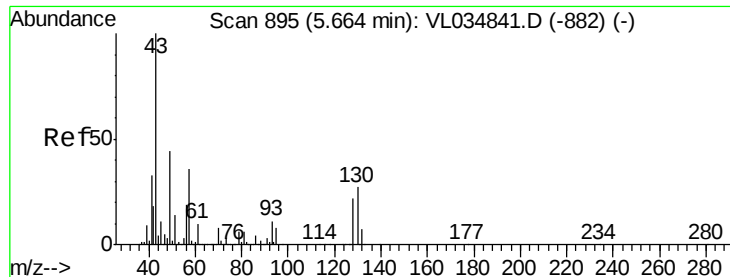


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

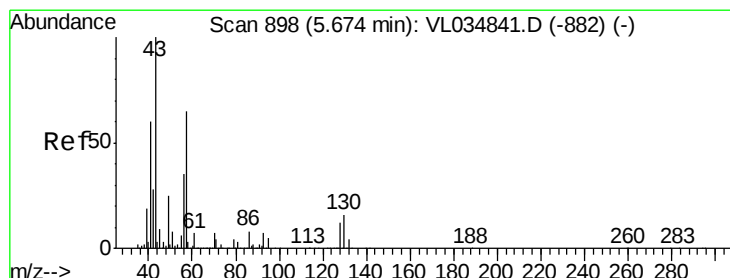
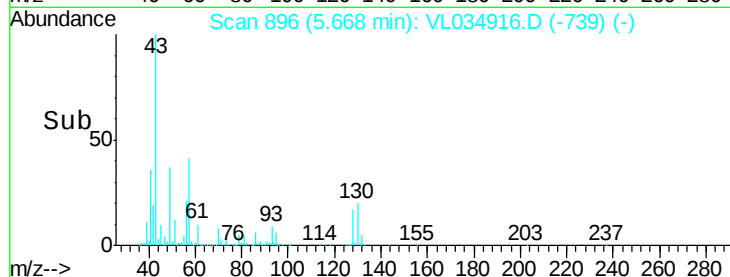
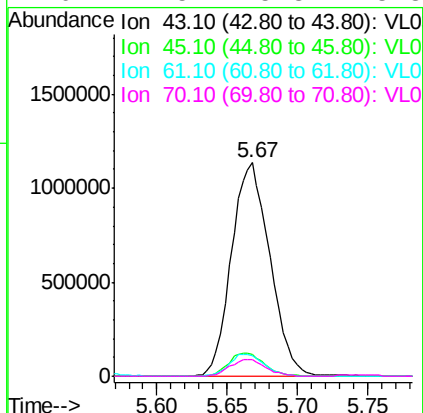
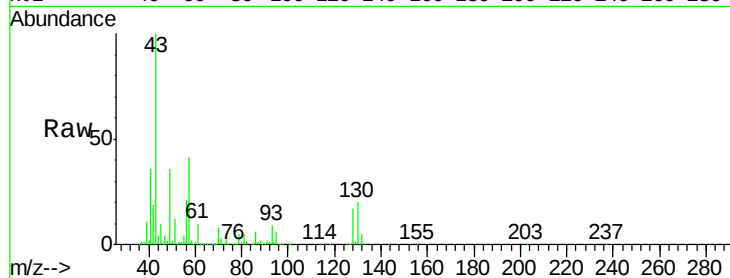




#25
Ethyl Acetate
Concen: 9.728 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

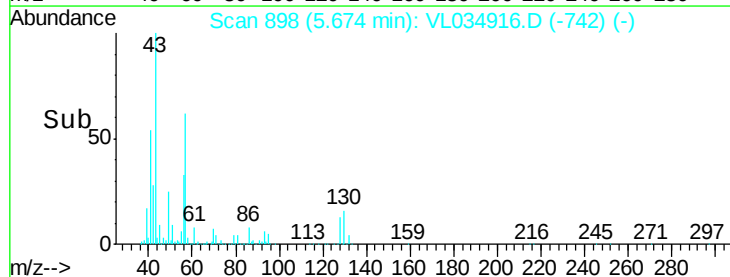
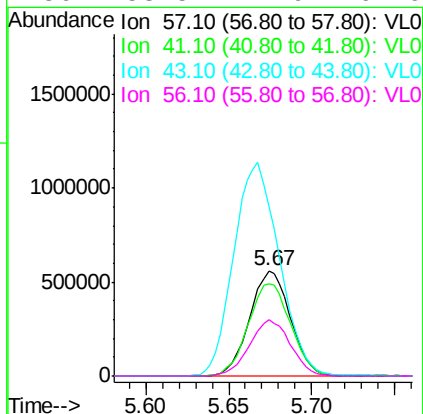
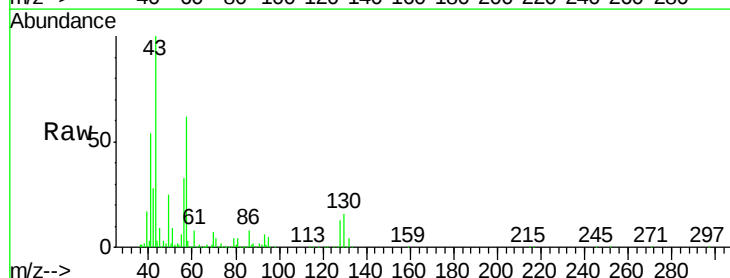
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

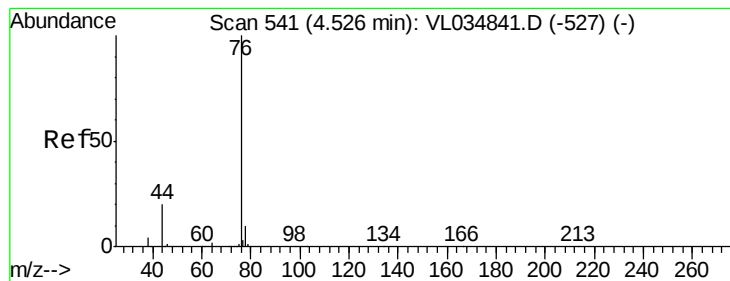
Tgt Ion: 43 Resp: 2161615
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.5 7.8 11.6
70 7.5 5.8 8.8



#26
Hexane
Concen: 9.981 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 57 Resp: 955055
Ion Ratio Lower Upper
57 100
41 92.0 72.6 109.0
43 227.5 183.8 275.6
56 53.5 41.9 62.9





#27

Carbon Disulfide

Concen: 10.353 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

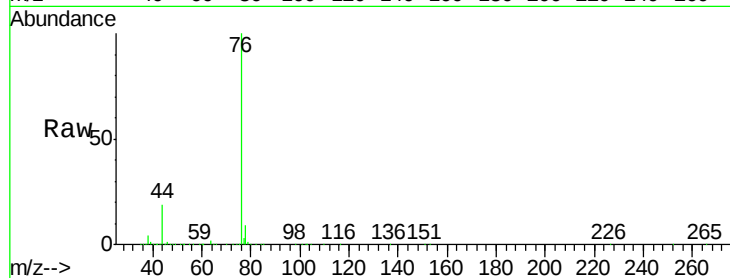
Tgt Ion: 76 Resp: 1124112

Ion Ratio Lower Upper

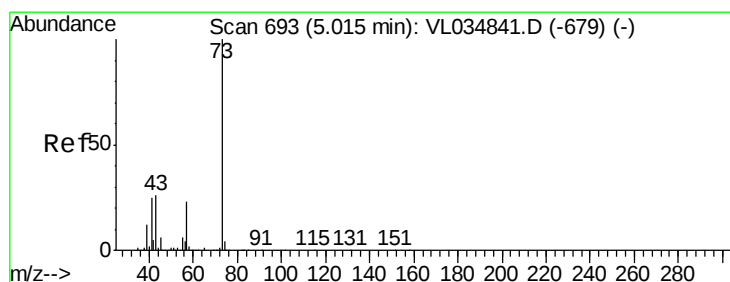
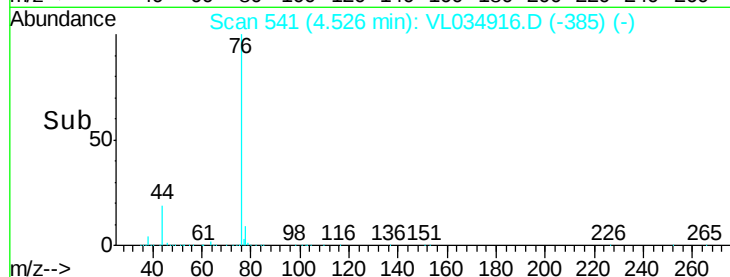
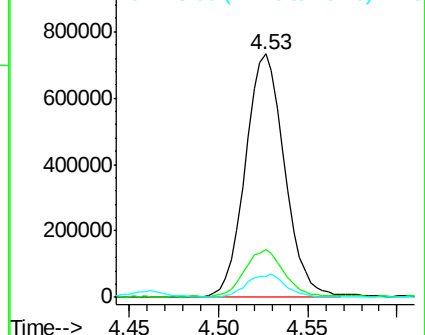
76 100

44 19.7 16.2 24.2

78 9.6 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: 9.148 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034916.D

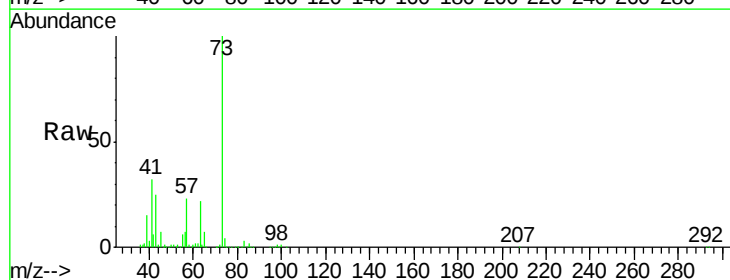
Acq: 17 Mar 2020 14:47

Tgt Ion: 73 Resp: 1456448

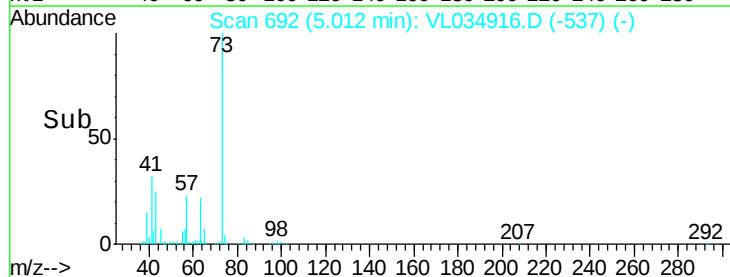
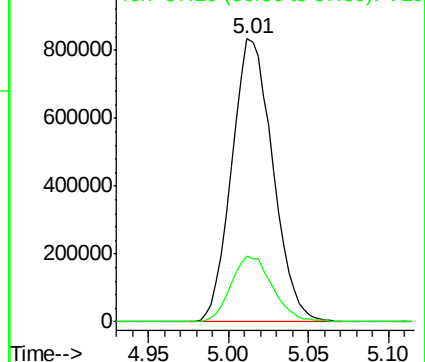
Ion Ratio Lower Upper

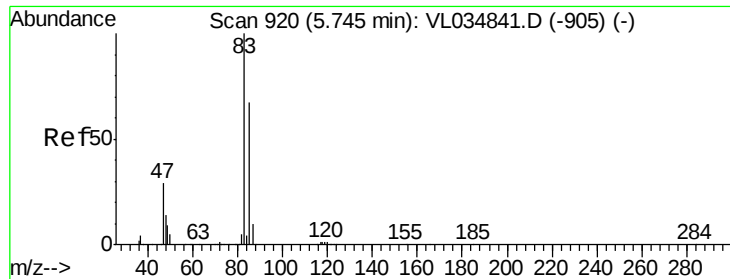
73 100

57 23.7 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: 10.087 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

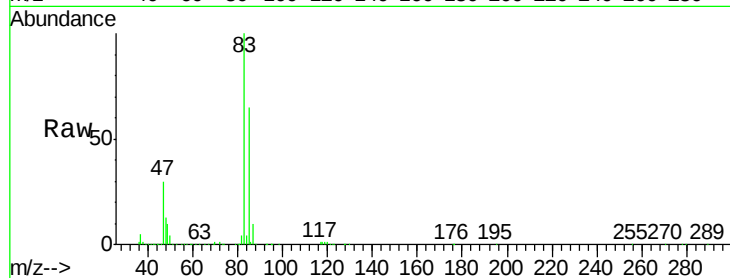
VL0317ABS01

Tgt Ion: 83 Resp: 1472705

Ion Ratio Lower Upper

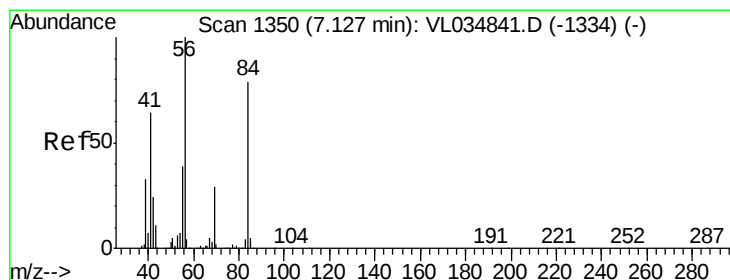
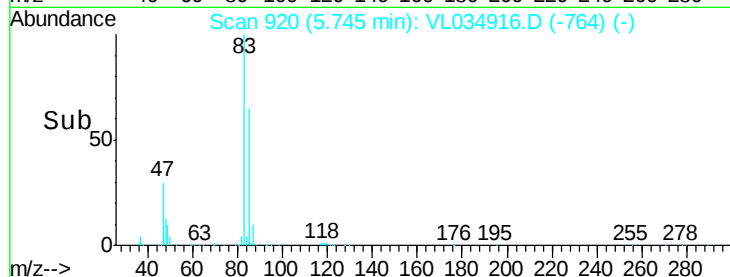
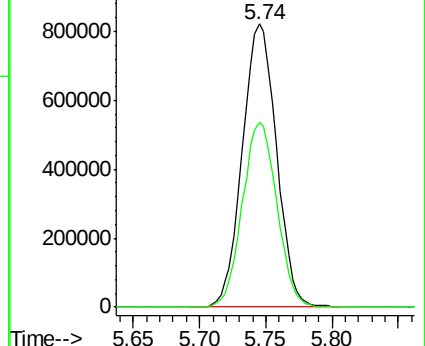
83 100

85 65.1 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.153 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

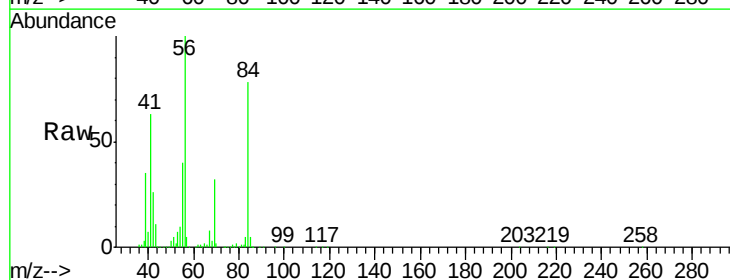
Tgt Ion: 84 Resp: 810562

Ion Ratio Lower Upper

84 100

56 136.8 110.5 165.7

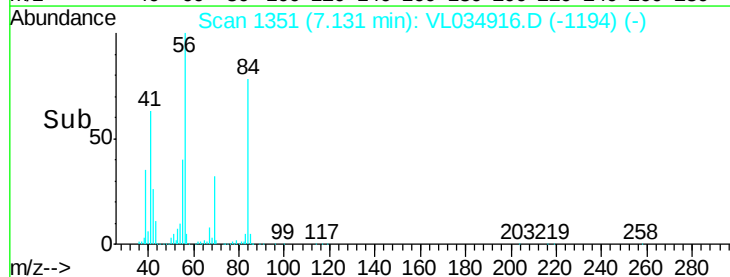
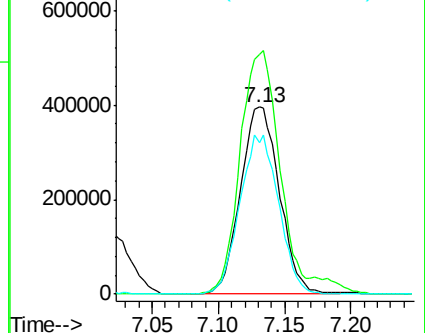
41 85.0 68.2 102.4

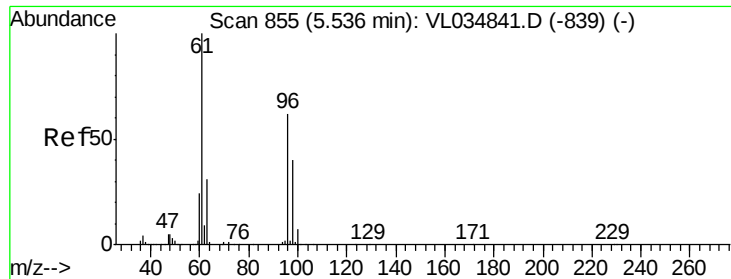


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



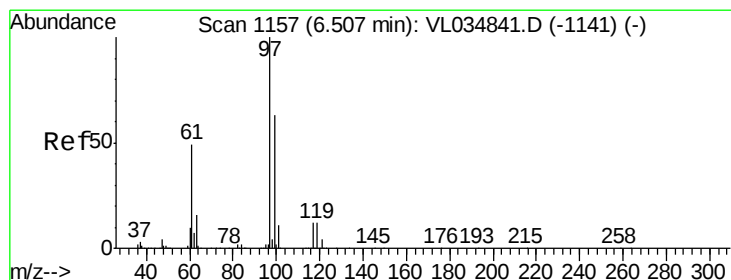
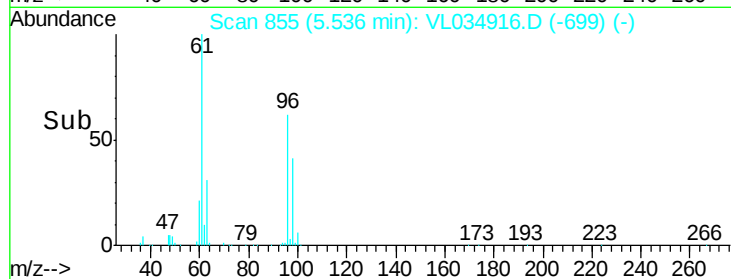
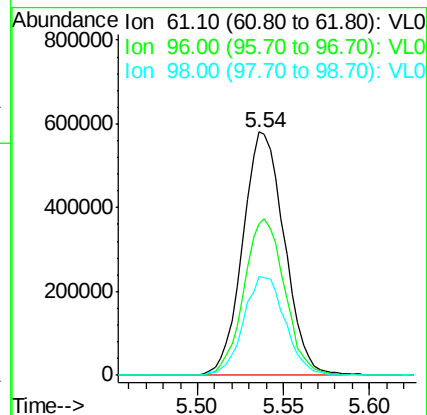
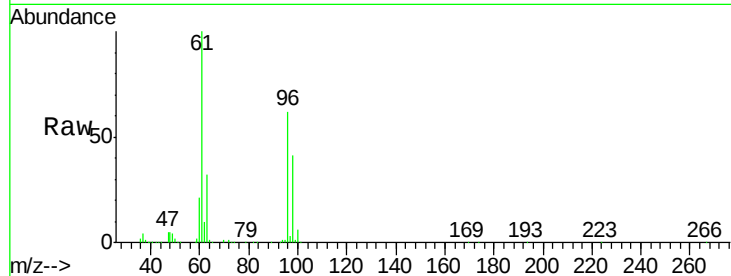


#31

cis-1,2-Dichloroethene
 Concen: 9.911 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

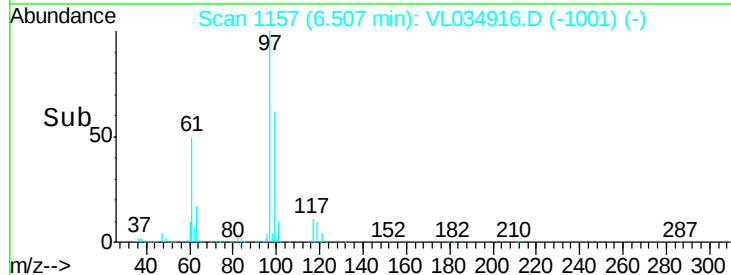
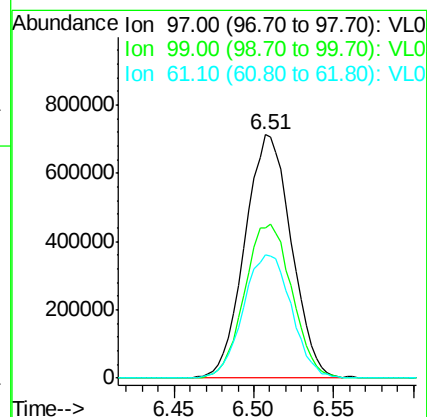
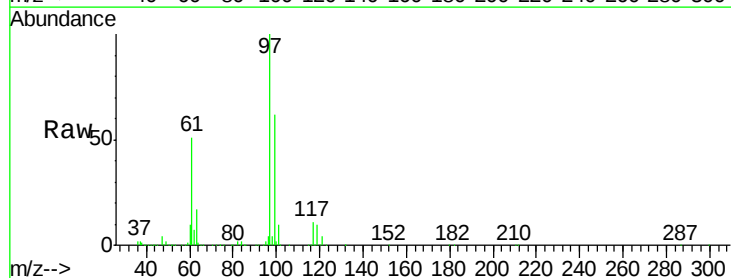
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.1	49.8	74.8
98	40.8	32.2	48.4

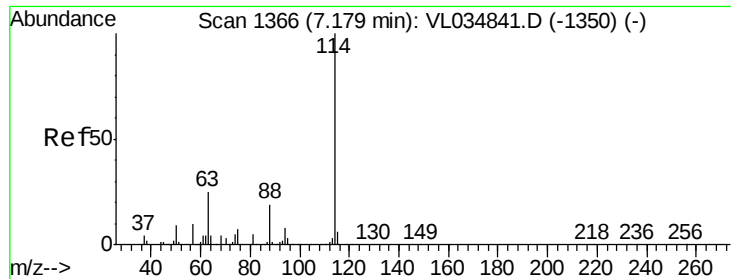


#32

1,1,1-Trichloroethane
 Concen: 9.933 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	52.8	39.7	59.5

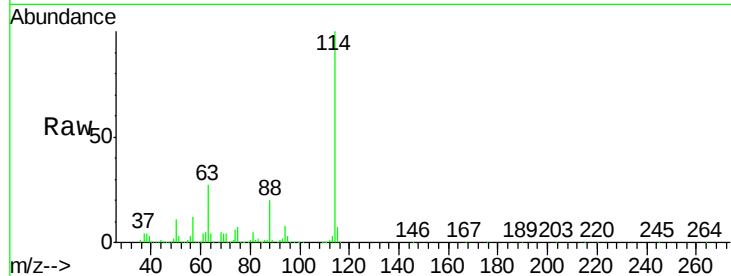




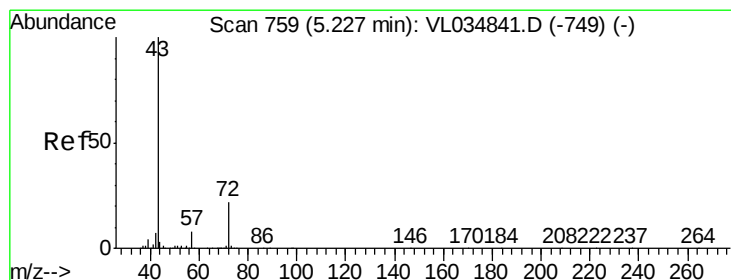
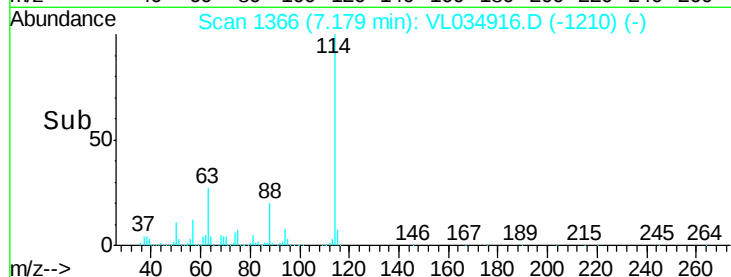
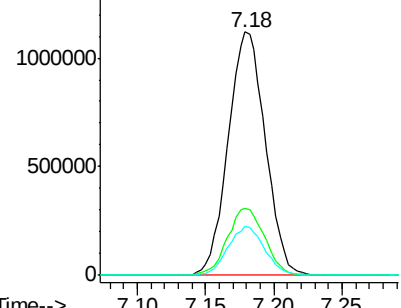
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tgt Ion:114 Resp: 2116647
 Ion Ratio Lower Upper
 114 100
 63 27.9 20.6 31.0
 88 19.7 15.0 22.6

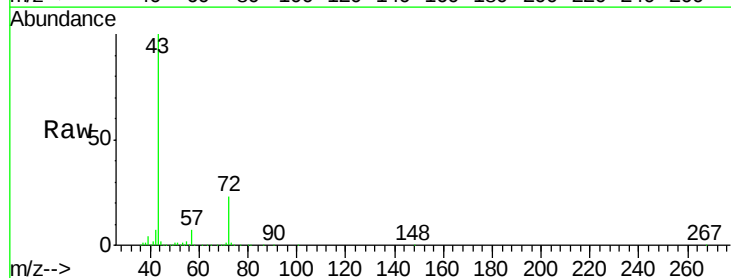


Abundance Ion 114.10 (113.80 to 114.80): V
 1500000
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

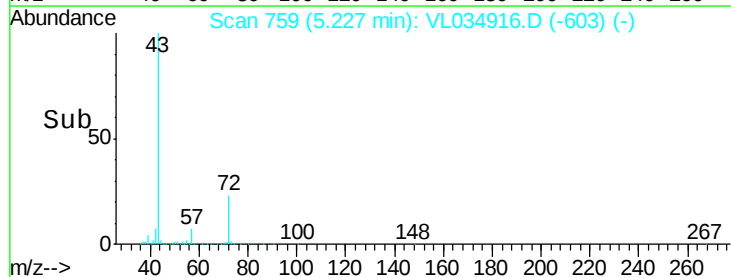
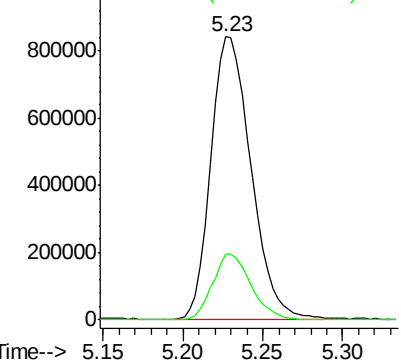


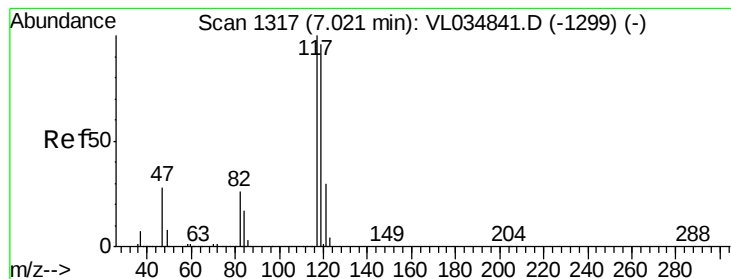
#34
 2-Butanone
 Concen: 10.223 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 43 Resp: 1438041
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1000000
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.924 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

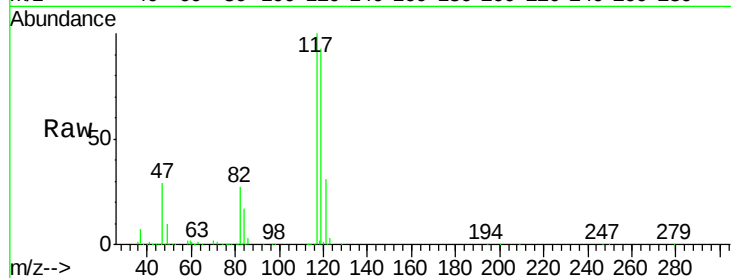
Tgt Ion:117 Resp: 1438130

Ion Ratio Lower Upper

117 100

119 92.6 77.0 115.4

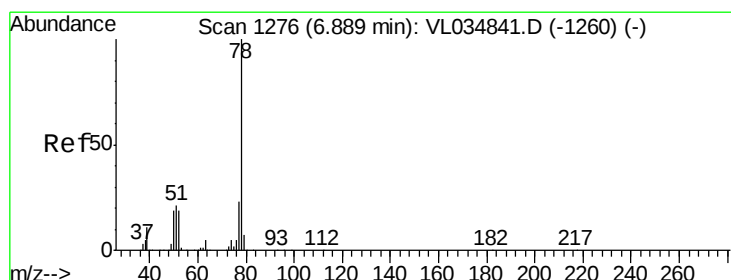
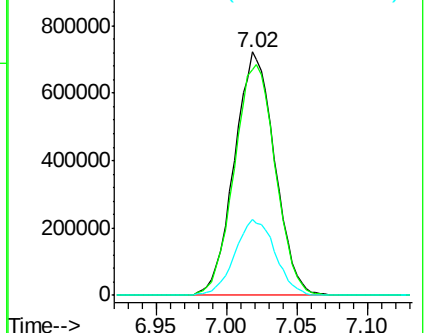
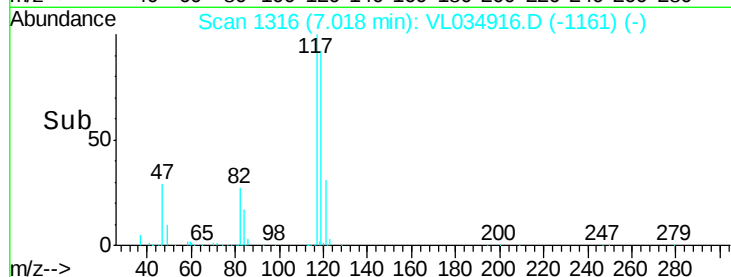
121 31.2 24.0 36.0



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: 10.180 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

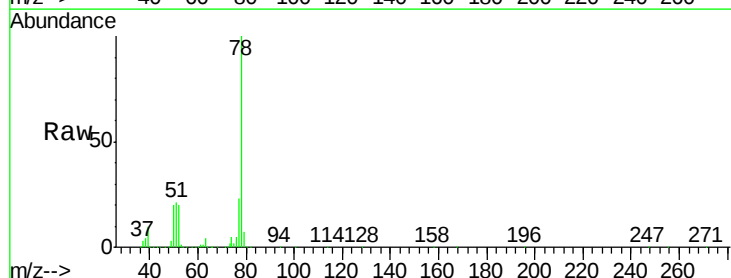
Tgt Ion: 78 Resp: 1920688

Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

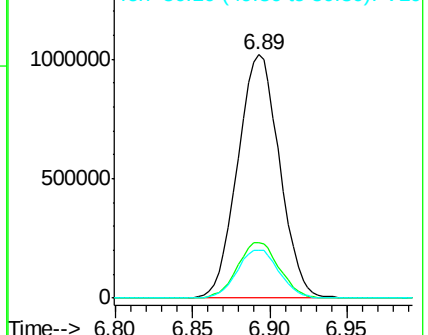
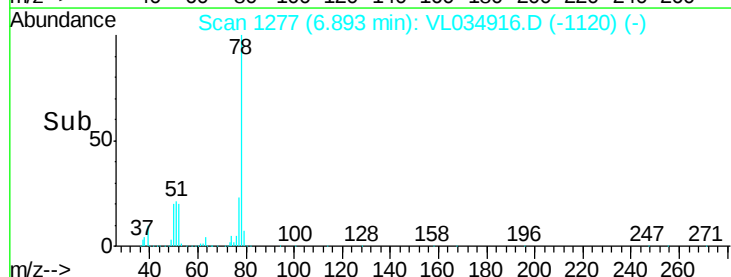
50 19.6 15.2 22.8

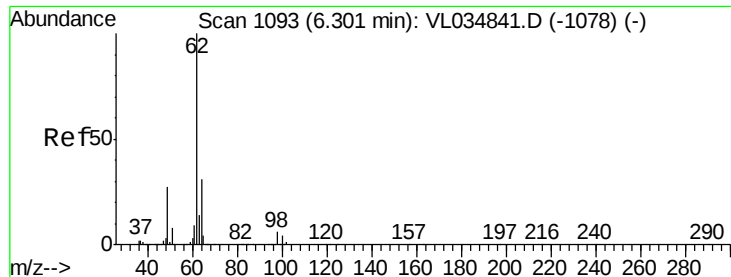


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.984 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

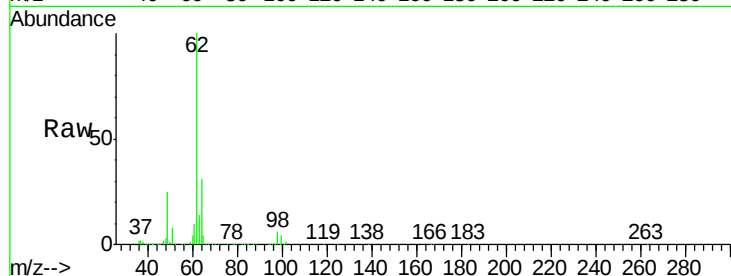
VL0317ABS01

Tgt Ion: 62 Resp: 1168460

Ion Ratio Lower Upper

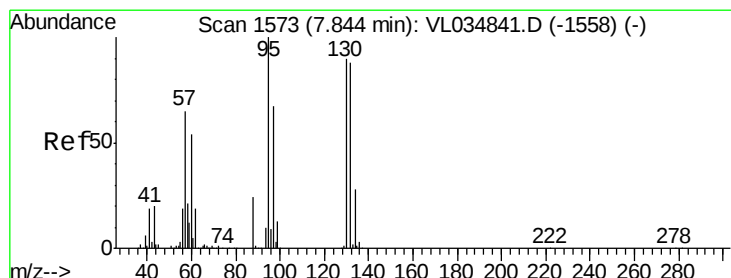
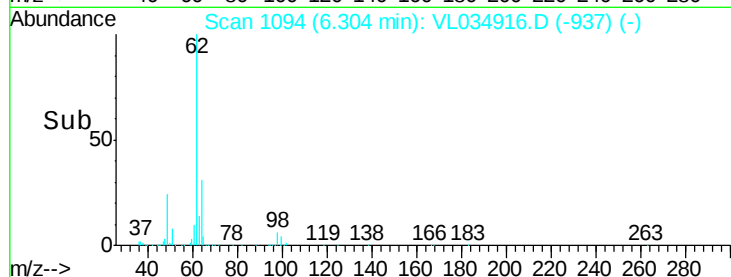
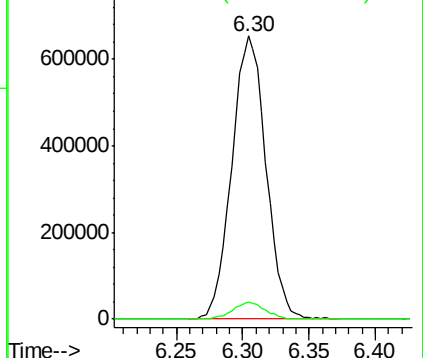
62 100

98 5.8 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.049 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 130 Resp: 720073

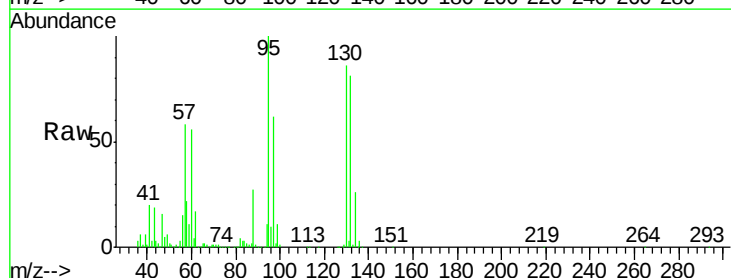
Ion Ratio Lower Upper

130 100

95 116.0 88.5 132.7

132 94.5 78.0 117.0

97 71.6 59.3 88.9

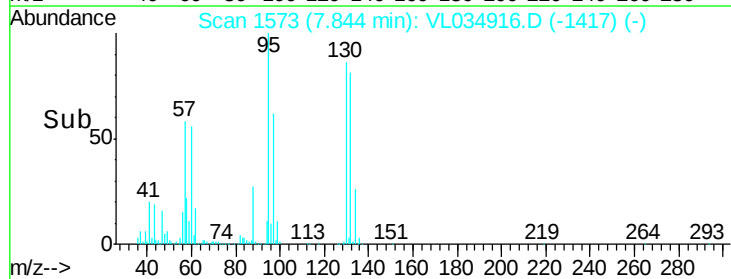
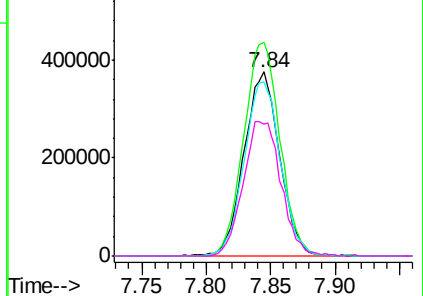


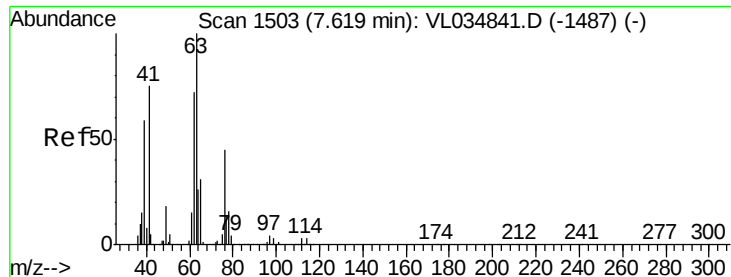
Abundance Ion 130.00 (129.70 to 130.70): V

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

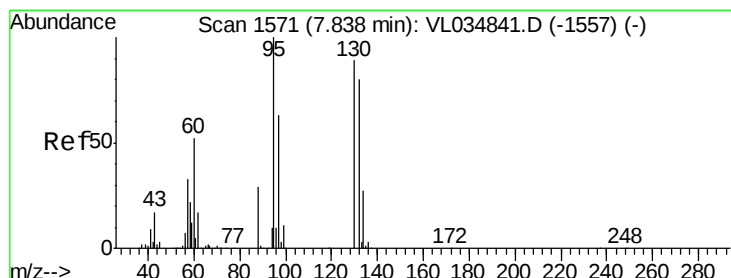
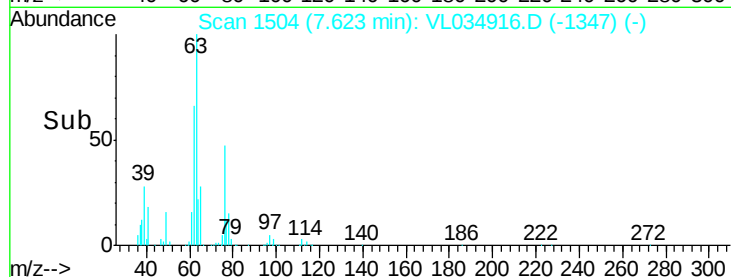
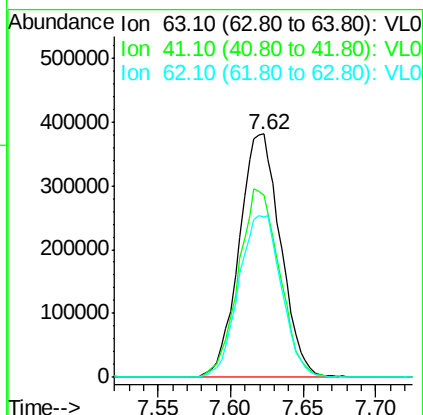
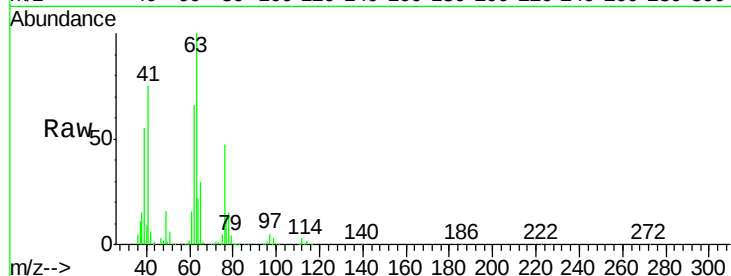




#39
 1,2-Dichloropropane
 Concen: 10.126 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

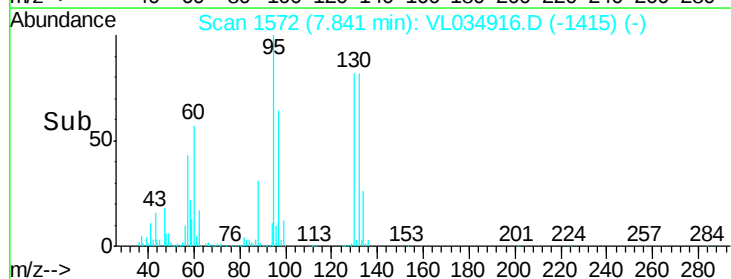
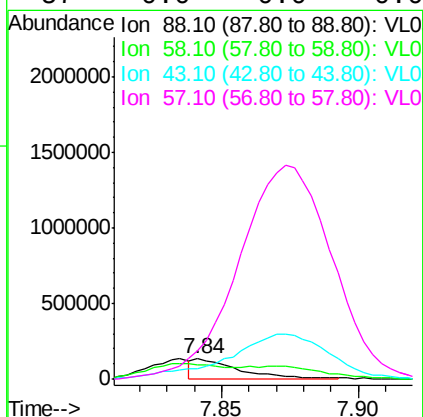
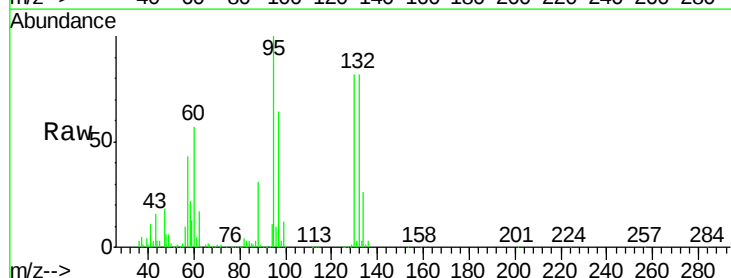
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

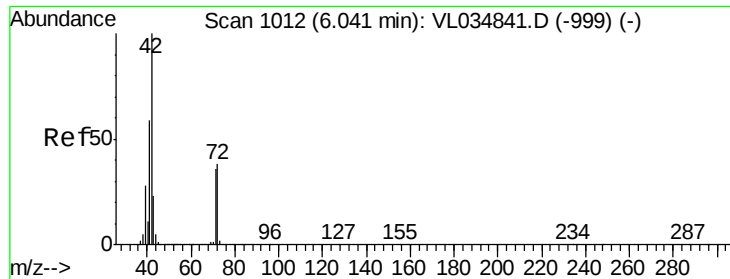
Tgt Ion: 63 Resp: 756911
 Ion Ratio Lower Upper
 63 100
 41 74.7 59.8 89.8
 62 65.8 57.6 86.4



#40
 1,4-Dioxane
 Concen: 5.201 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 88 Resp: 146818
 Ion Ratio Lower Upper
 88 100
 58 255.8 103.9 155.9#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

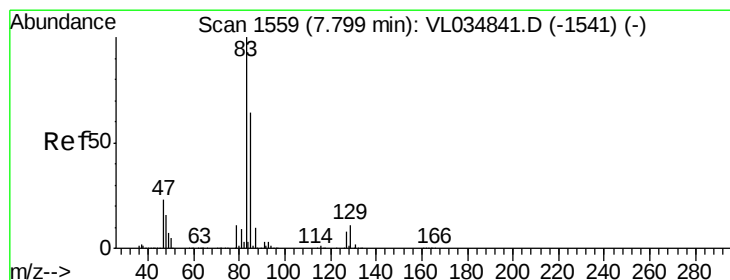
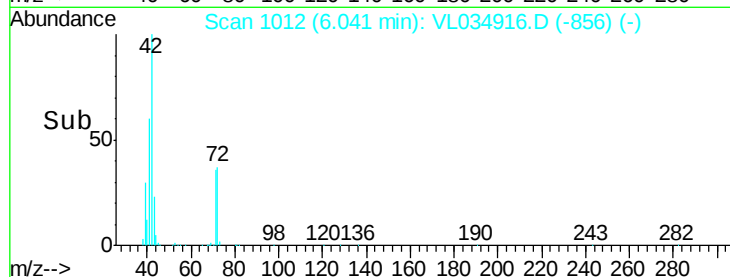
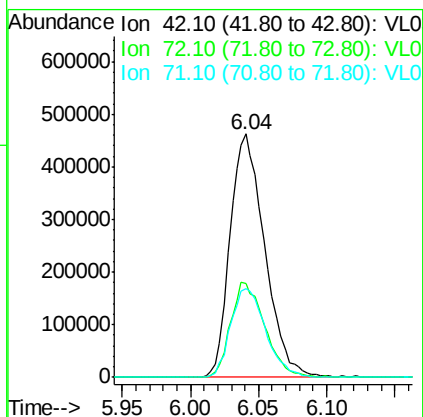
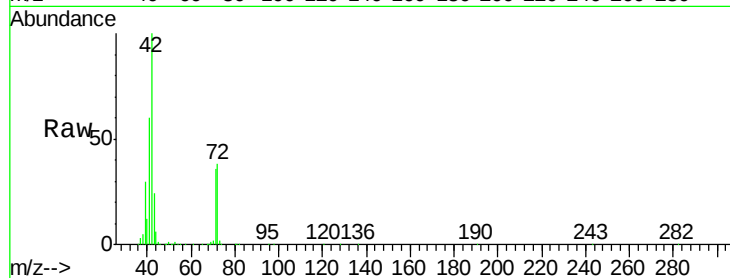




#41
Tetrahydrofuran
Concen: 10.726 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

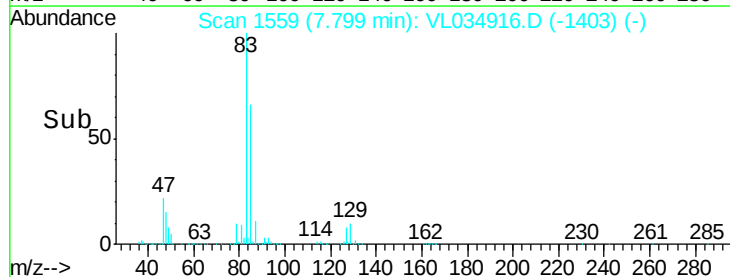
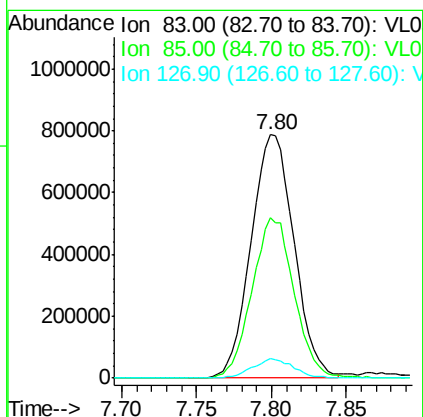
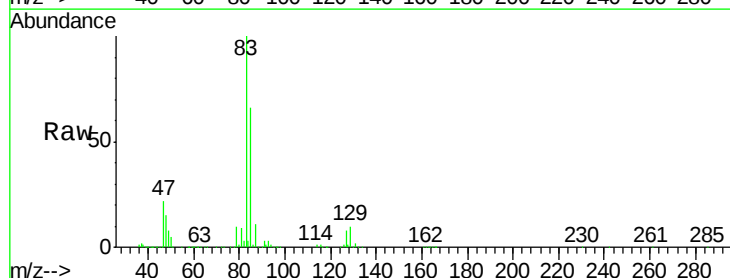
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

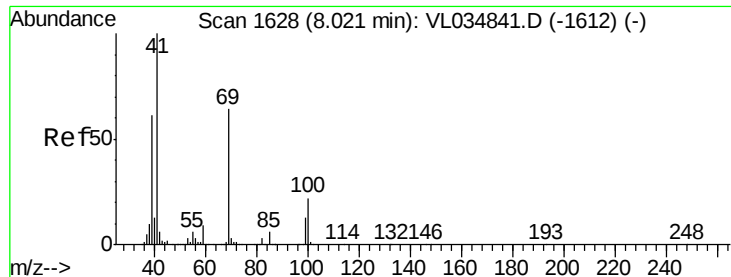
Tgt Ion: 42 Resp: 816346
Ion Ratio Lower Upper
42 100
72 38.5 30.8 46.2
71 37.0 30.1 45.1



#42
Bromodichloromethane
Concen: 10.862 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 83 Resp: 1574892
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2
127 8.0 6.2 9.4

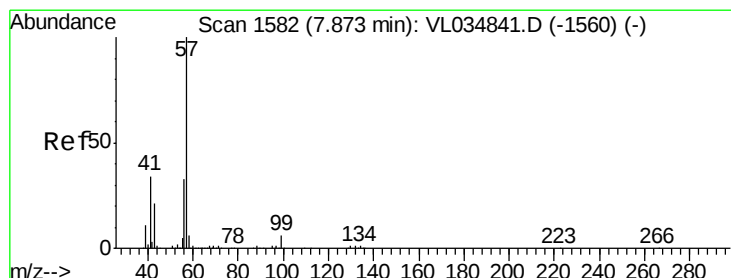
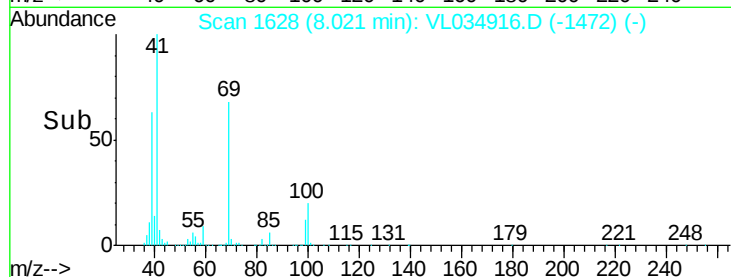
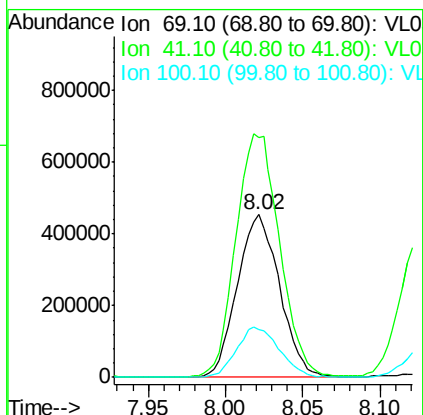
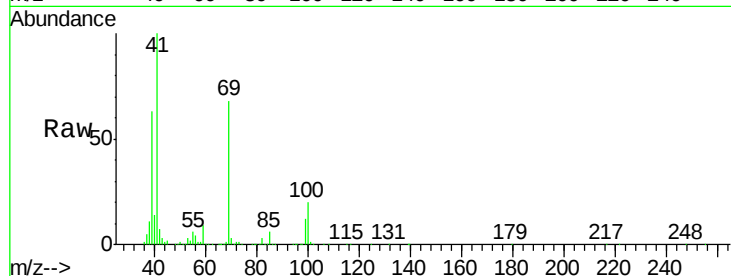




#43
Methyl Methacrylate
Concen: 10.870 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

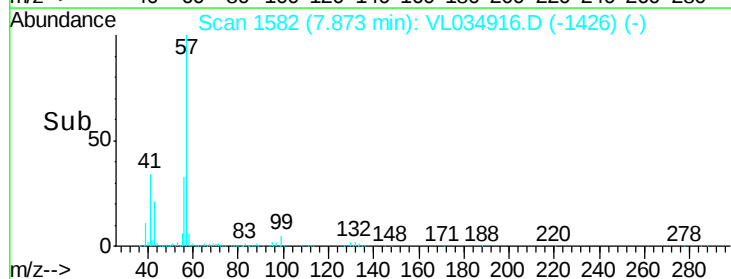
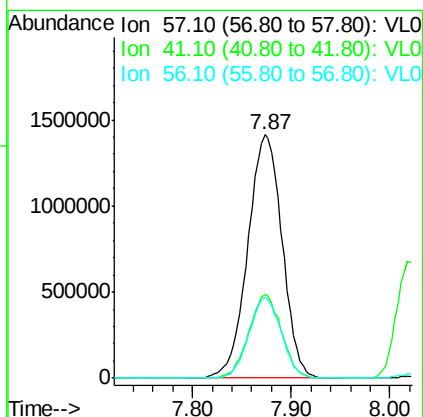
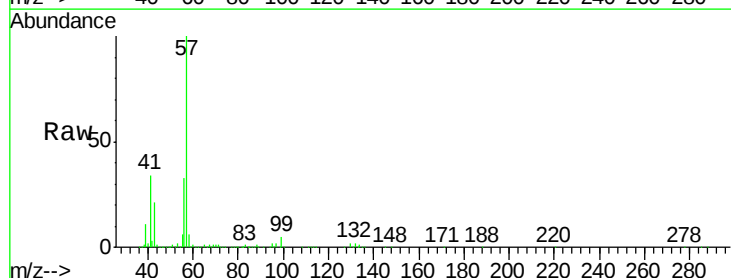
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

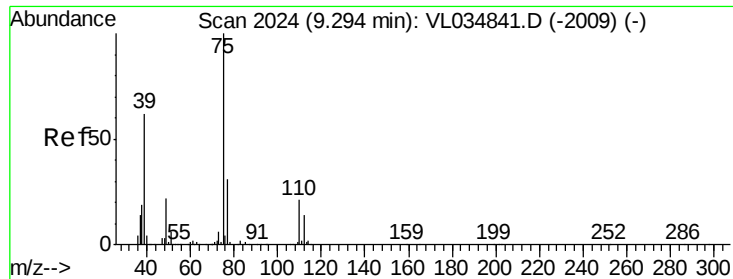
Tgt Ion: 69 Resp: 864036
Ion Ratio Lower Upper
69 100
41 154.1 123.2 184.8
100 31.2 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 10.612 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 57 Resp: 3383245
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 10.540 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

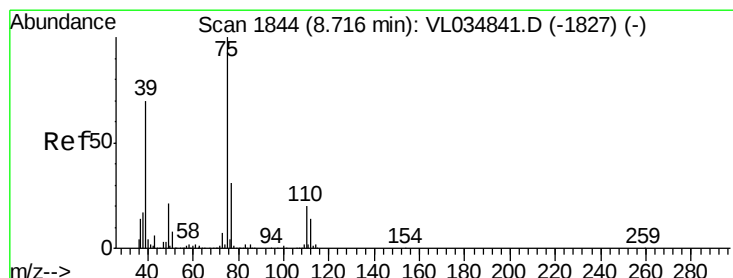
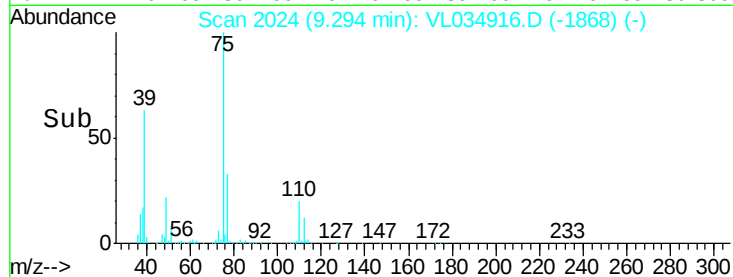
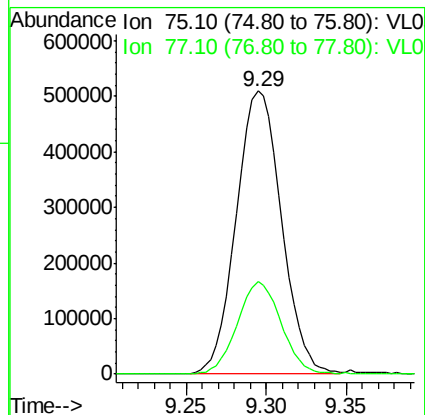
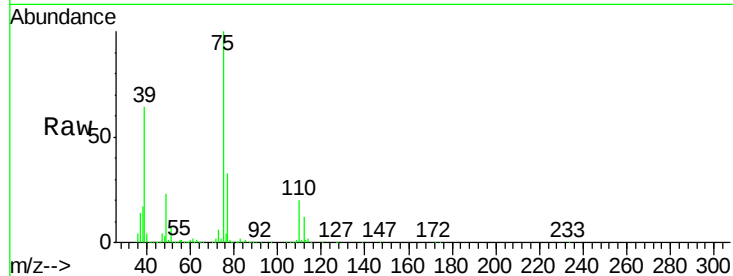
VL0317ABS01

Tgt Ion: 75 Resp: 984279

Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.498 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

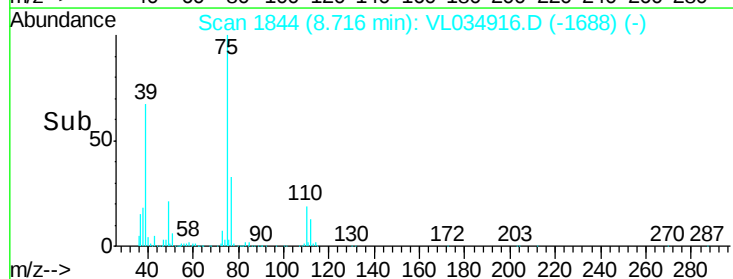
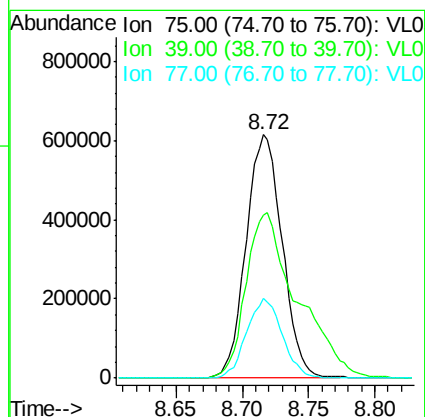
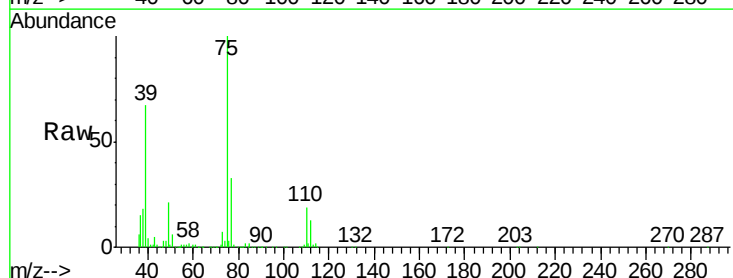
Tgt Ion: 75 Resp: 1164931

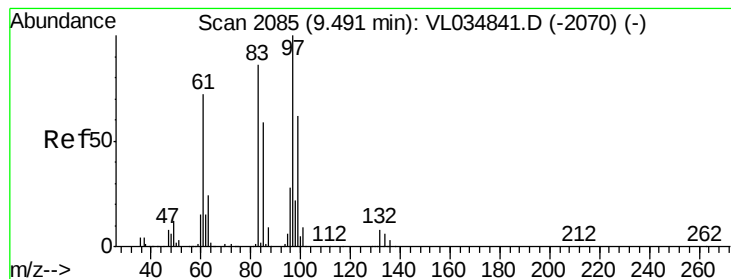
Ion Ratio Lower Upper

75 100

39 66.9 55.7 83.5

77 32.8 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 10.428 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tgt Ion: 97 Resp: 799974

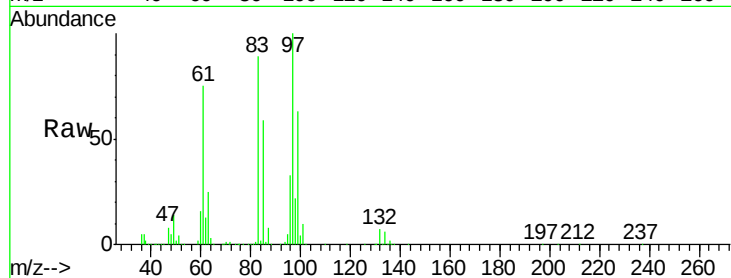
Ion Ratio Lower Upper

97 100

83 89.3 68.6 102.8

85 58.8 46.9 70.3

99 63.4 49.9 74.9

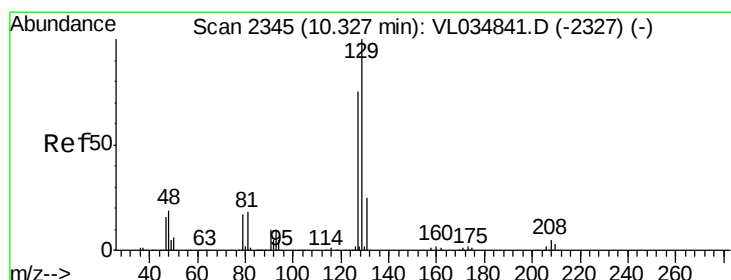
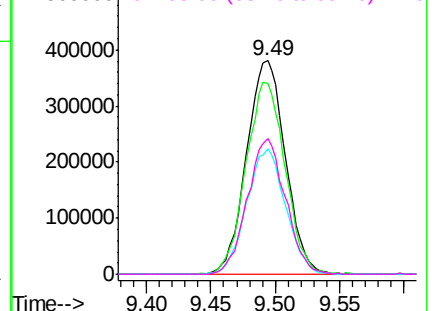
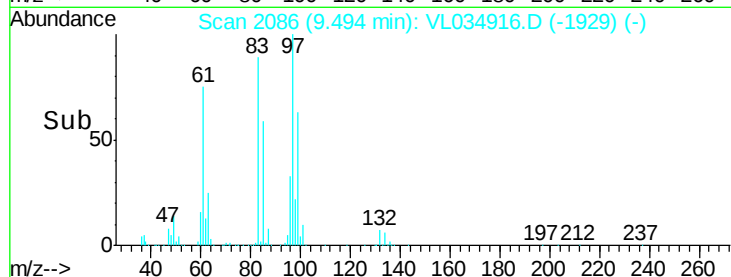


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.463 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL034916.D

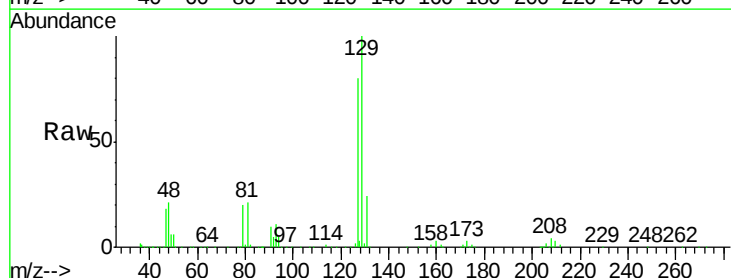
Acq: 17 Mar 2020 14:47

Tgt Ion: 129 Resp: 1299792

Ion Ratio Lower Upper

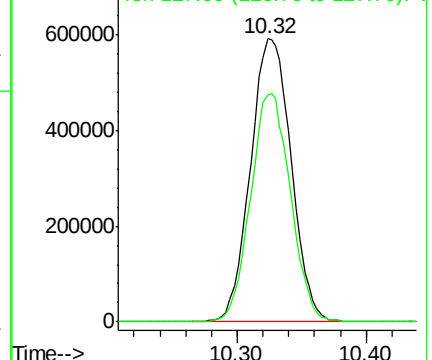
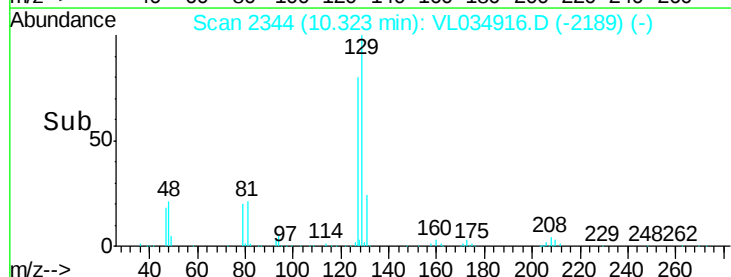
129 100

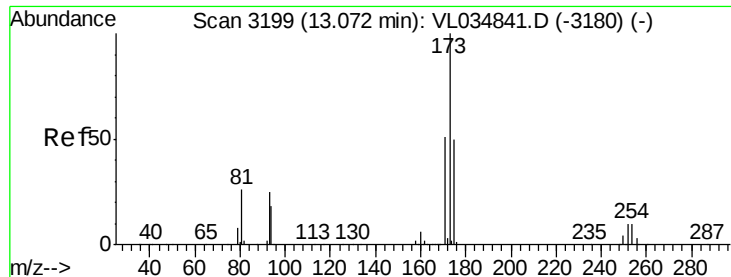
127 79.1 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.579 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

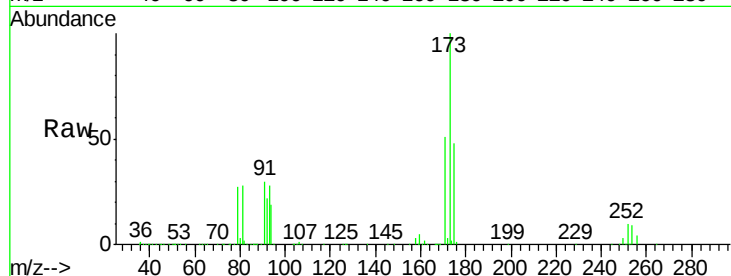
Tgt Ion:173 Resp: 1171876

Ion Ratio Lower Upper

173 100

175 49.1 39.6 59.4

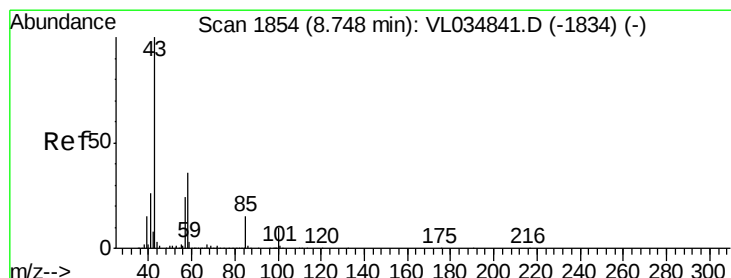
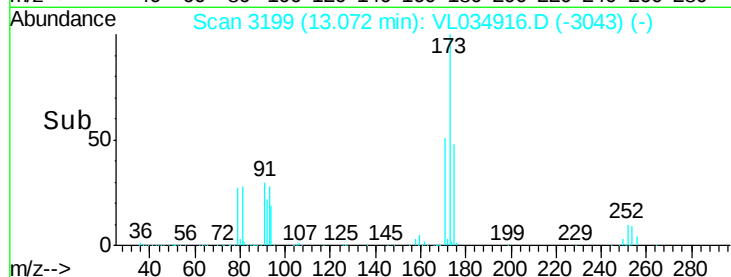
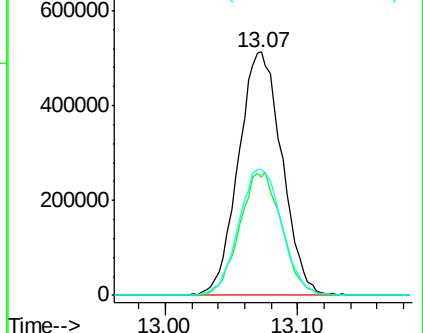
171 51.4 41.0 61.6



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: 10.728 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL034916.D

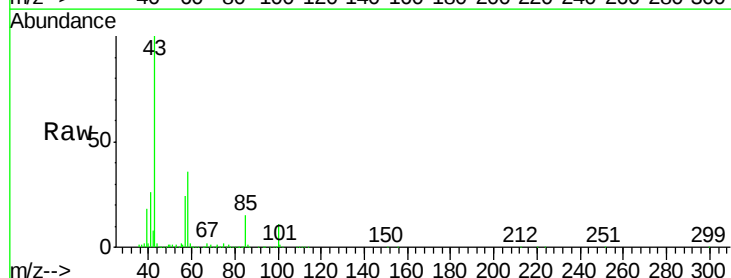
Acq: 17 Mar 2020 14:47

Tgt Ion: 43 Resp: 2172346

Ion Ratio Lower Upper

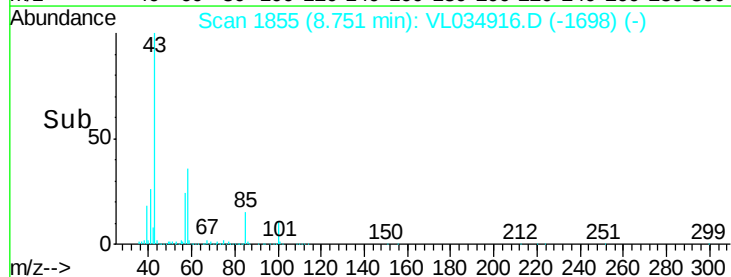
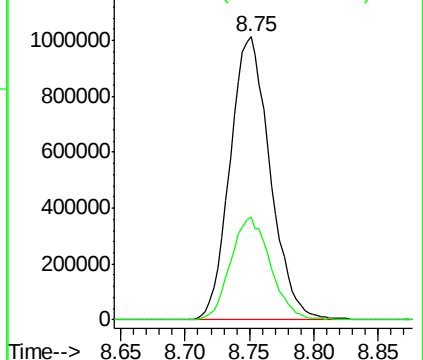
43 100

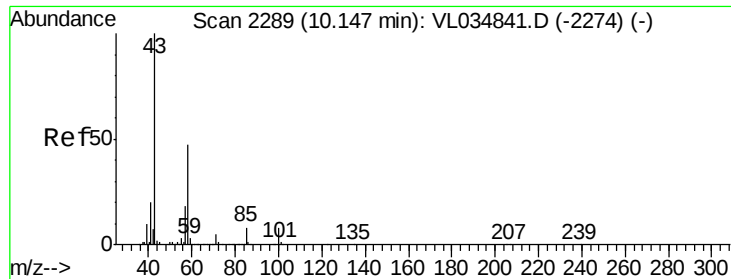
58 36.4 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.926 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

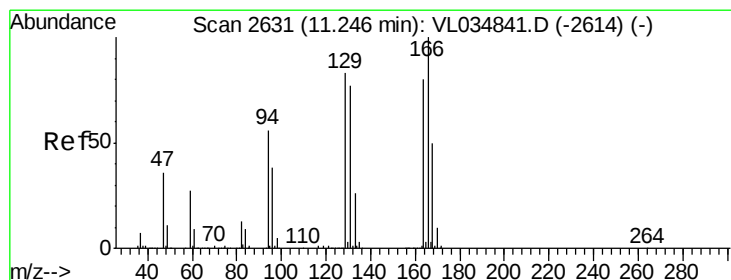
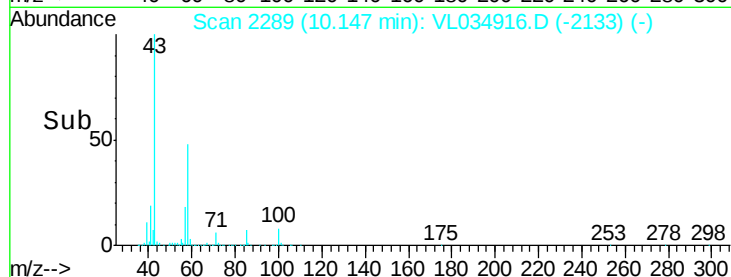
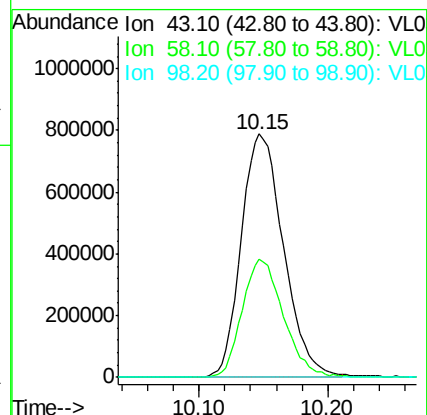
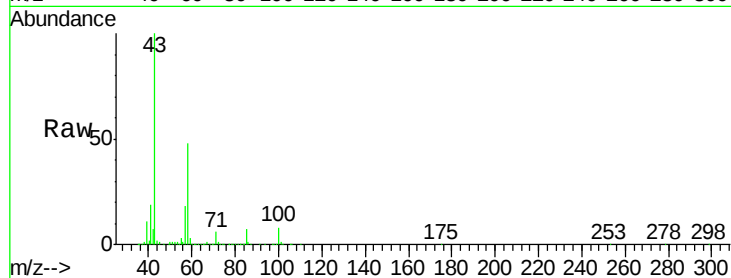
Tgt Ion: 43 Resp: 1797932

Ion Ratio Lower Upper

43 100

58 47.5 38.6 58.0

98 0.4 0.1 0.1#



#52

Tetrachloroethene

Concen: 9.080 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 164 Resp: 677728

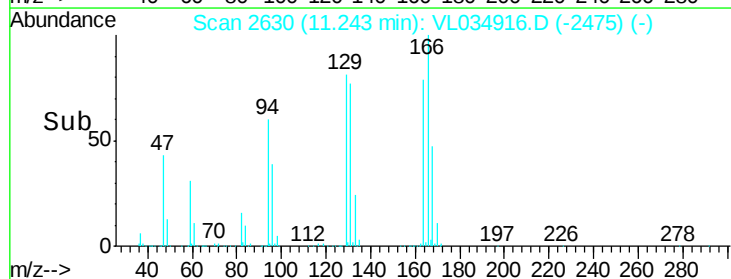
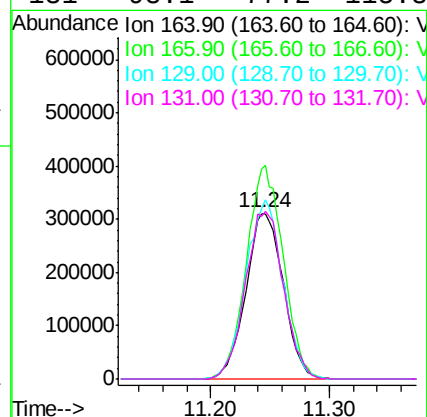
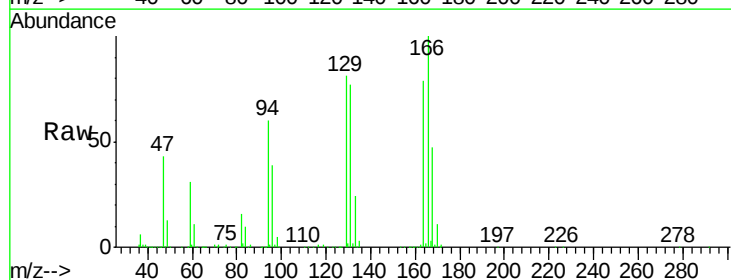
Ion Ratio Lower Upper

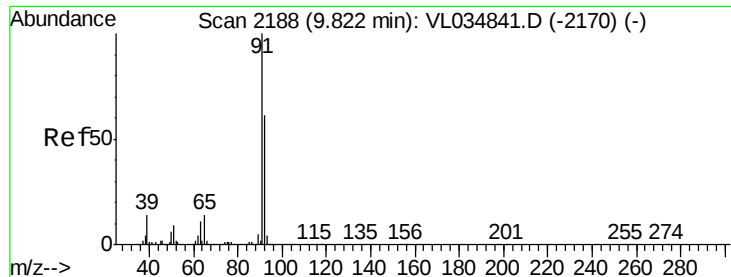
164 100

166 126.9 100.0 150.0

129 102.8 83.1 124.7

131 98.1 77.2 115.8





#53

Toluene

Concen: 10.361 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

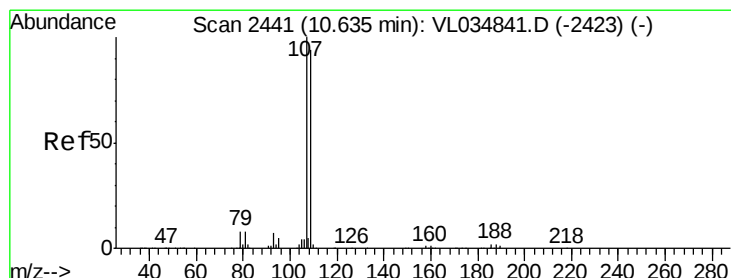
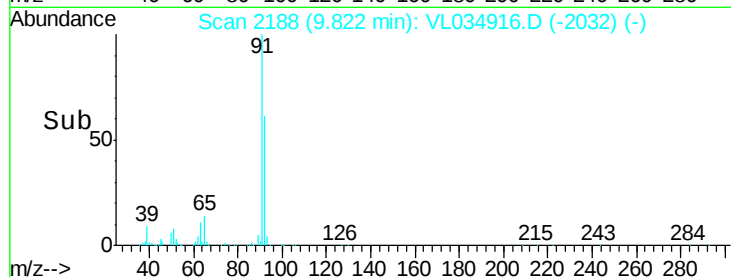
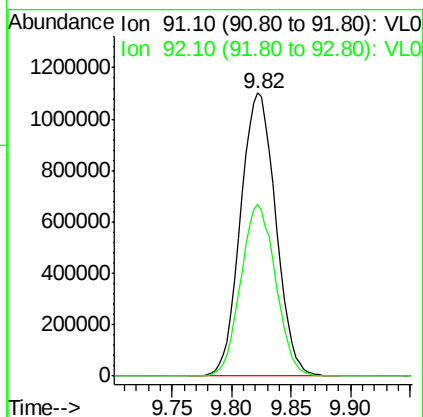
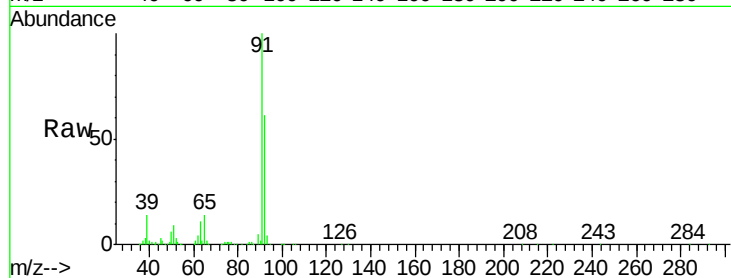
VL0317ABS01

Tgt Ion: 91 Resp: 2257310

Ion Ratio Lower Upper

91 100

92 60.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.447 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034916.D

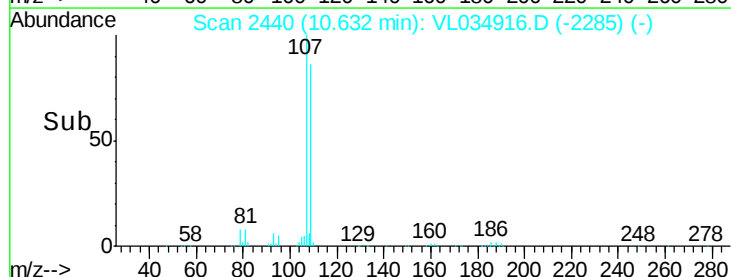
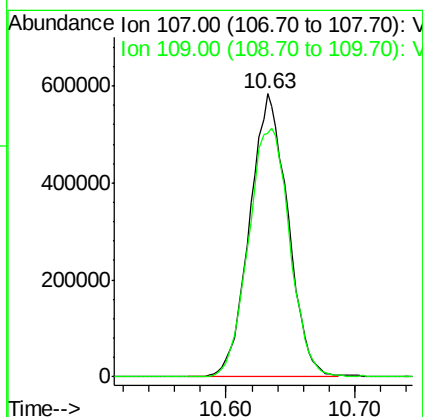
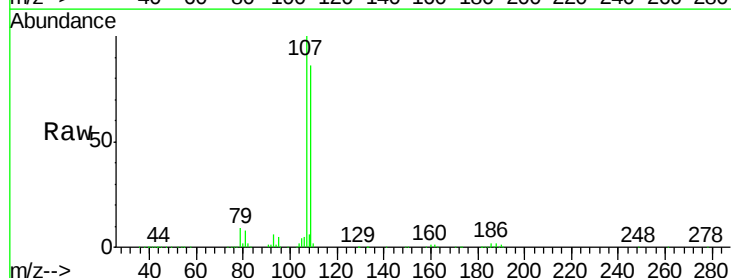
Acq: 17 Mar 2020 14:47

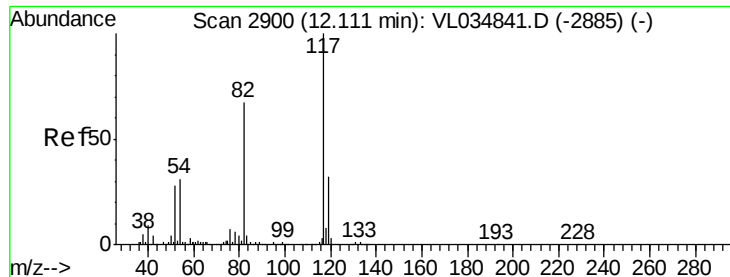
Tgt Ion: 107 Resp: 1206321

Ion Ratio Lower Upper

107 100

109 86.0 74.9 112.3

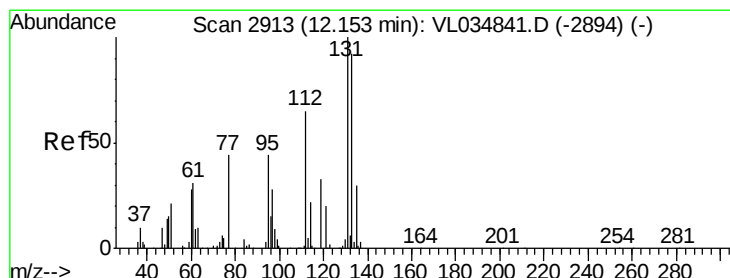
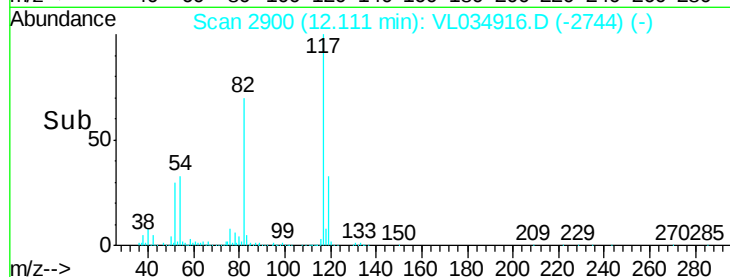
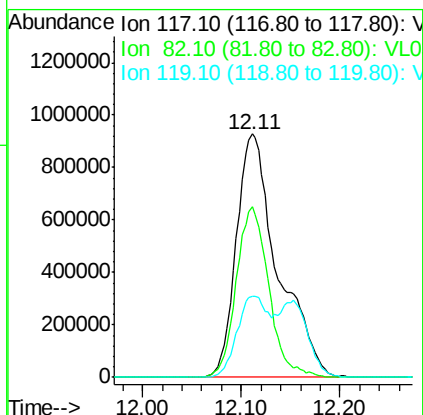
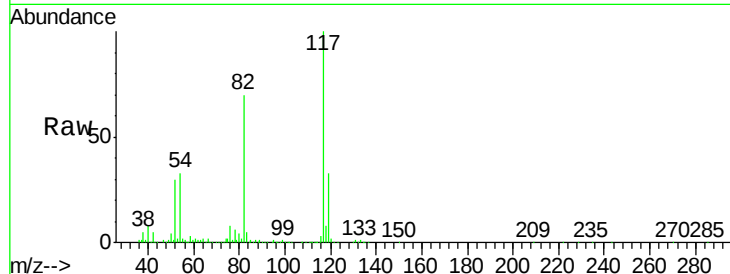




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

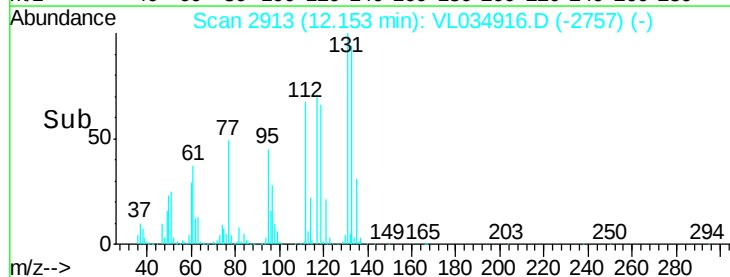
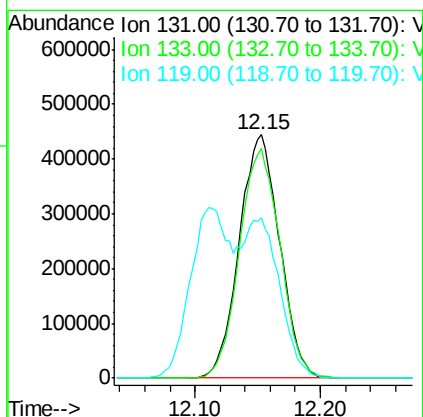
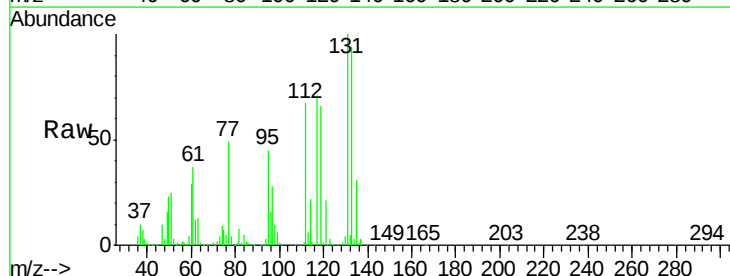
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

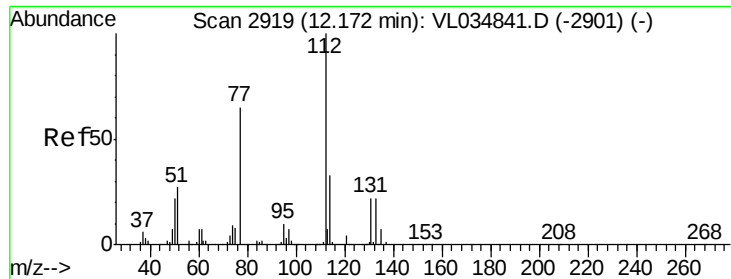
Tgt Ion:117 Resp: 2713451
Ion Ratio Lower Upper
117 100
82 55.0 51.1 76.7
119 24.7 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.155 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion:131 Resp: 993974
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 60.1 47.8 71.8





#57

Chlorobenzene

Concen: 7.948 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

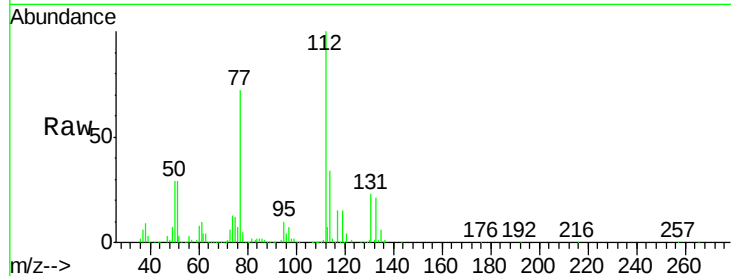
Tgt Ion: 112 Resp: 1687385

Ion Ratio Lower Upper

112 100

77 71.5 53.0 79.6

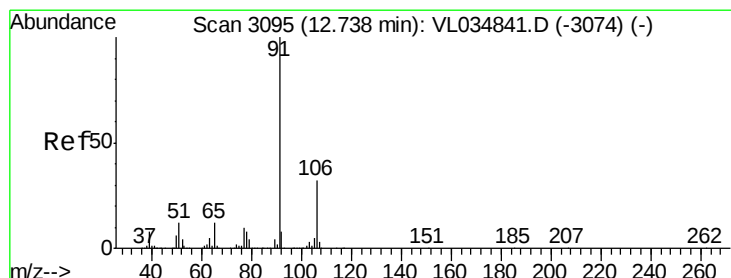
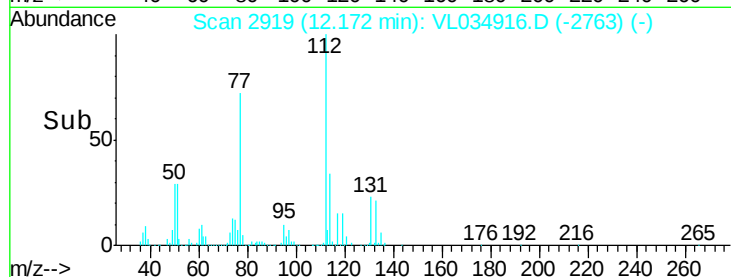
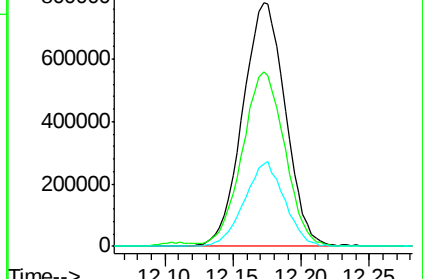
114 33.7 29.5 36.1



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: 8.273 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL034916.D

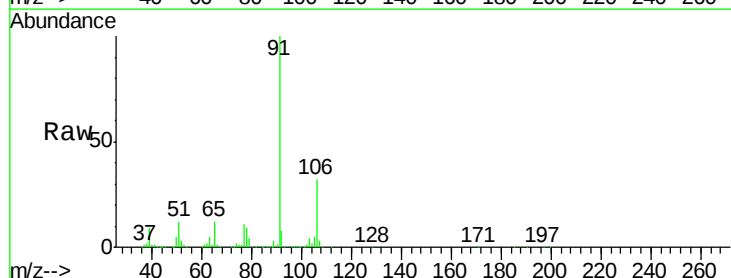
Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 3040165

Ion Ratio Lower Upper

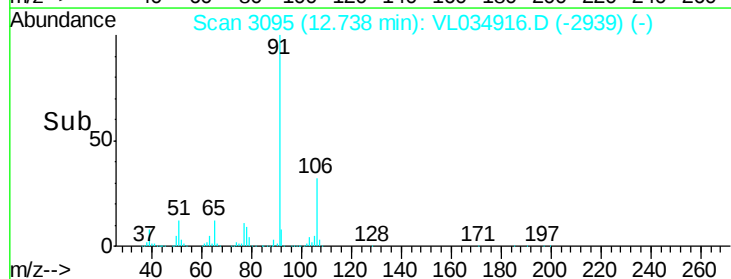
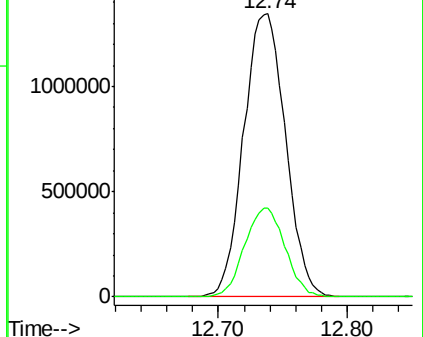
91 100

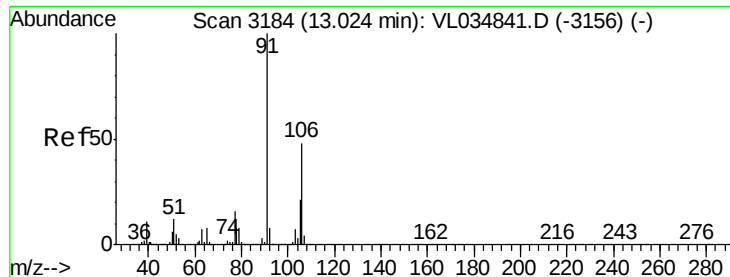
106 31.5 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

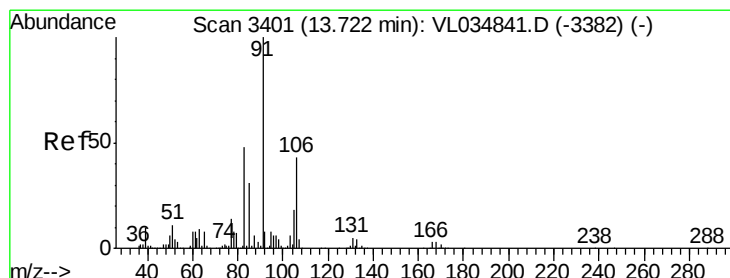
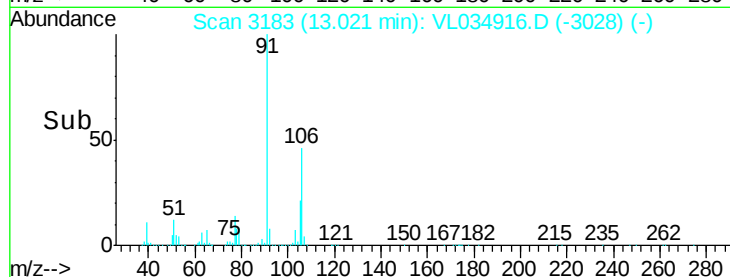
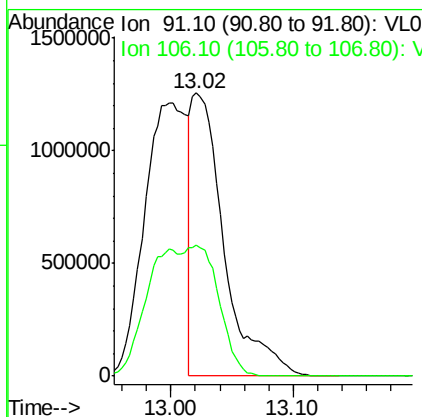
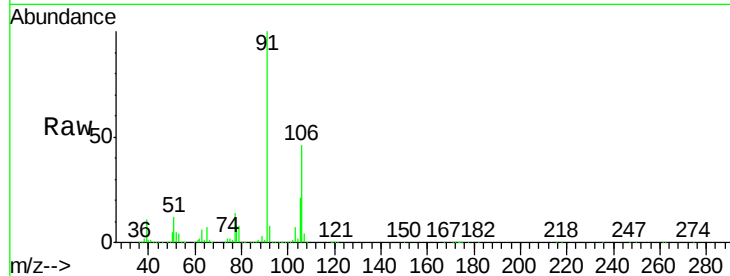




#59
m/p-Xylene
Concen: 7.492 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

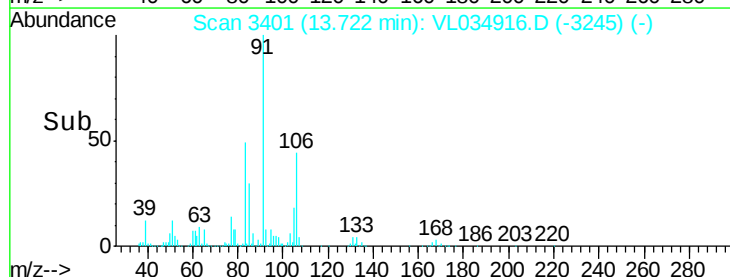
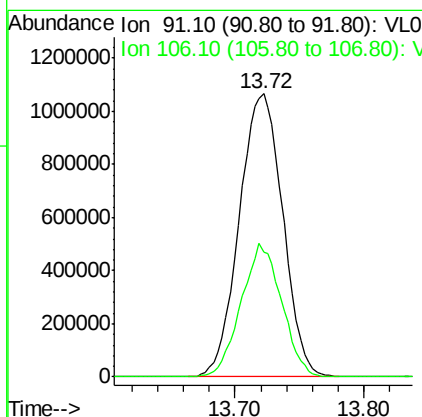
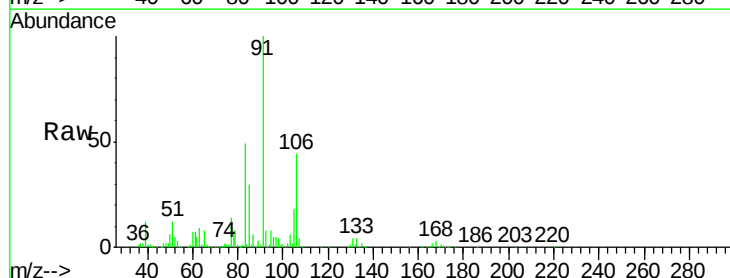
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

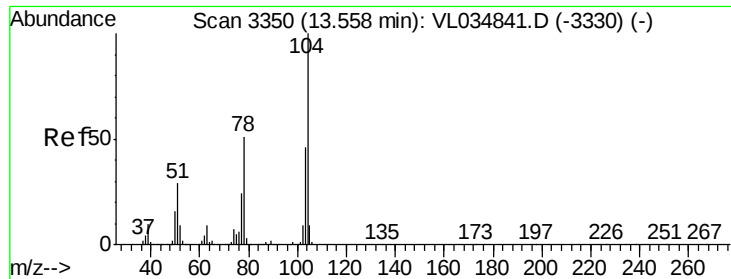
Tgt Ion: 91 Resp: 2306339
Ion Ratio Lower Upper
91 100
106 98.8 37.1 55.7#



#60
o-Xylene
Concen: 8.305 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 2496188
Ion Ratio Lower Upper
91 100
106 44.1 22.5 67.5





#61

Styrene

Concen: 8.636 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

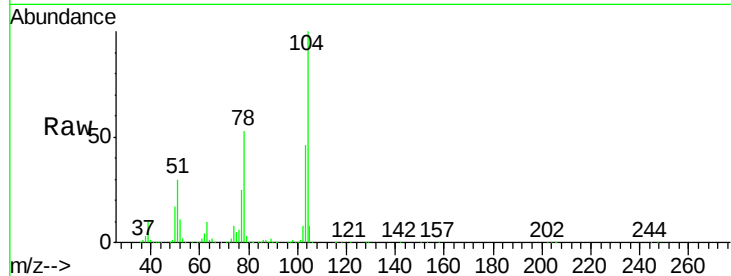
Tgt Ion:104 Resp: 1821803

Ion Ratio Lower Upper

104 100

78 53.9 41.8 62.6

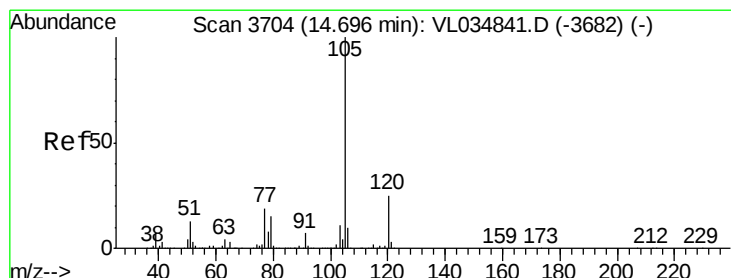
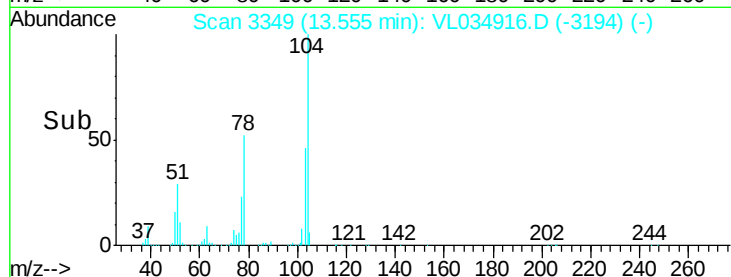
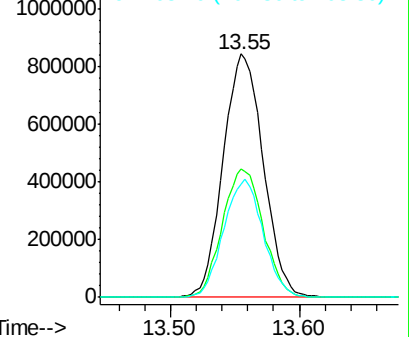
103 47.8 37.8 56.6



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: 8.168 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034916.D

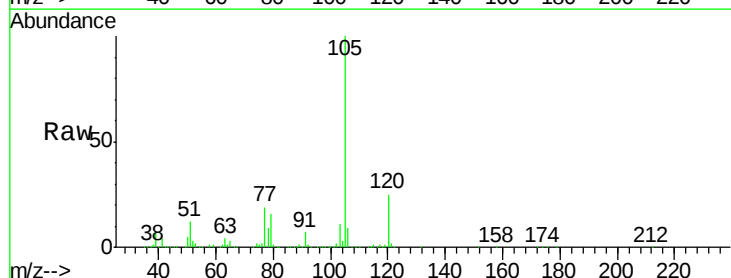
Acq: 17 Mar 2020 14:47

Tgt Ion:105 Resp: 3712259

Ion Ratio Lower Upper

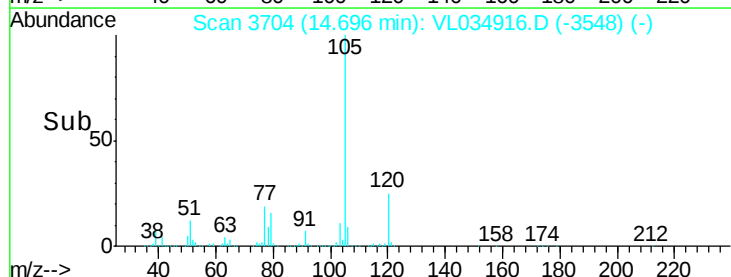
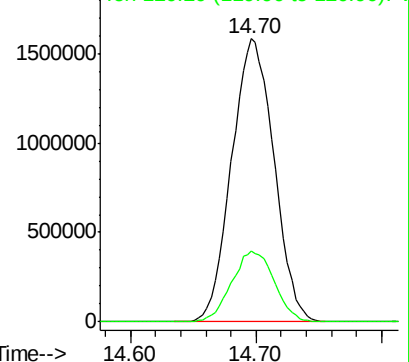
105 100

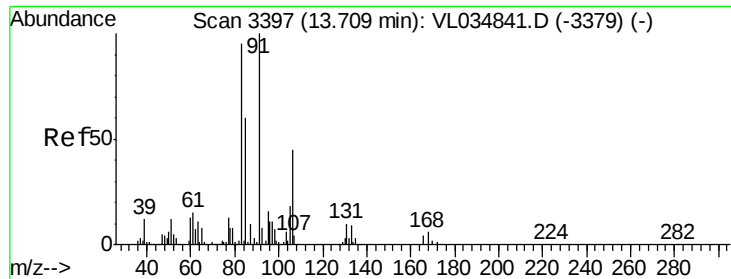
120 25.1 21.0 31.4



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: 8.736 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

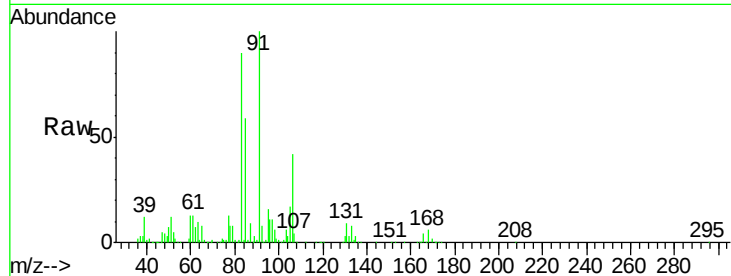
Tgt Ion: 83 Resp: 1782583

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

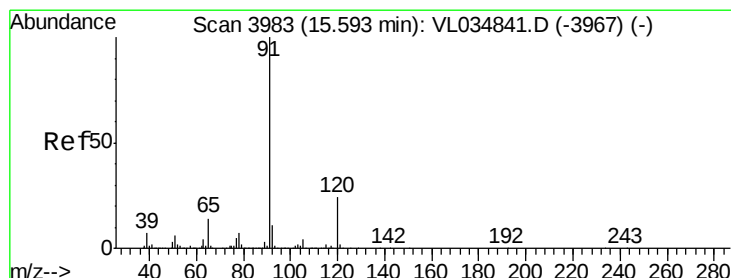
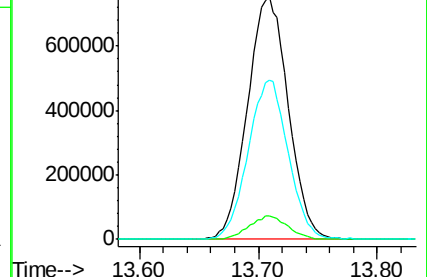
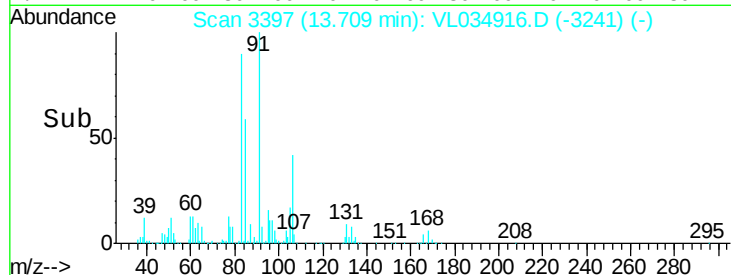
85 64.6 32.4 97.2



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: 8.308 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034916.D

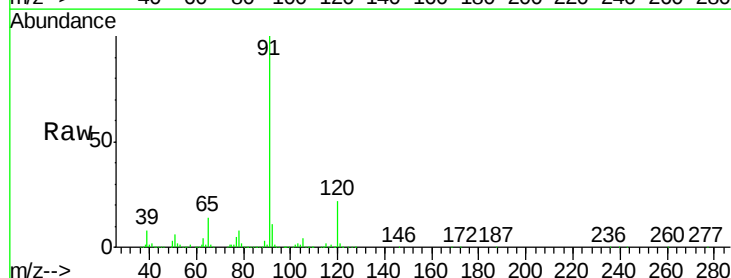
Acq: 17 Mar 2020 14:47

Tgt Ion: 120 Resp: 982827

Ion Ratio Lower Upper

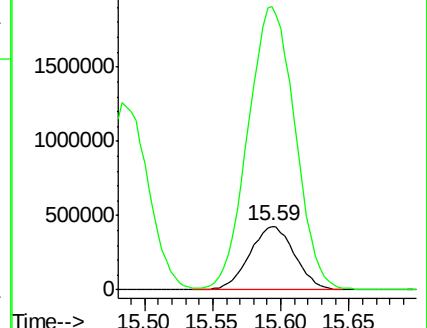
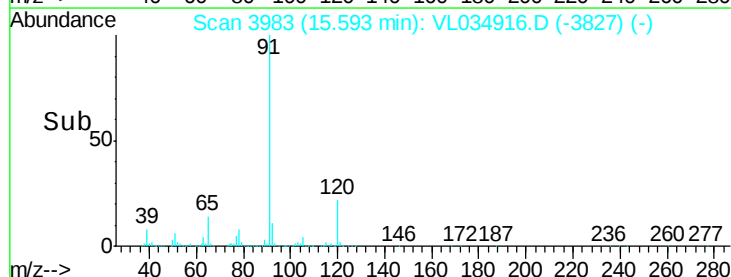
120 100

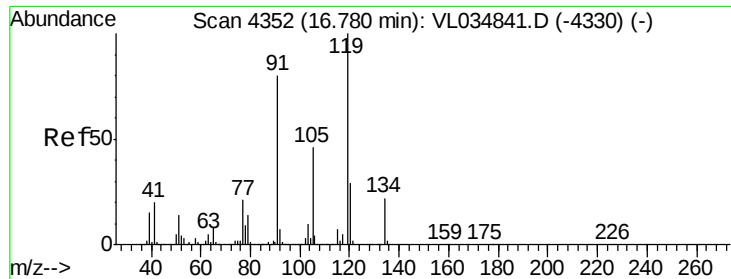
91 466.2 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

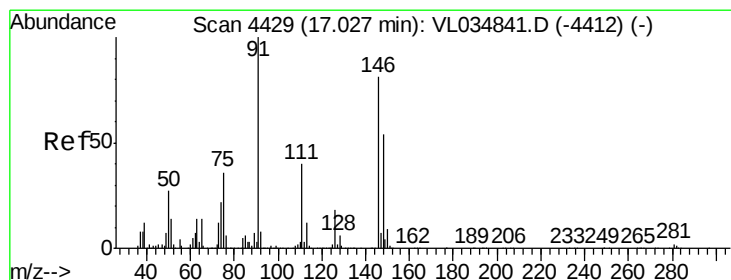
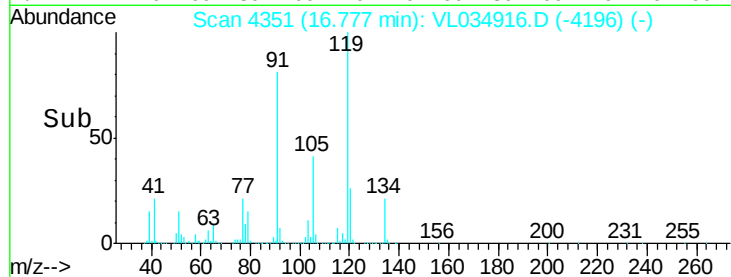
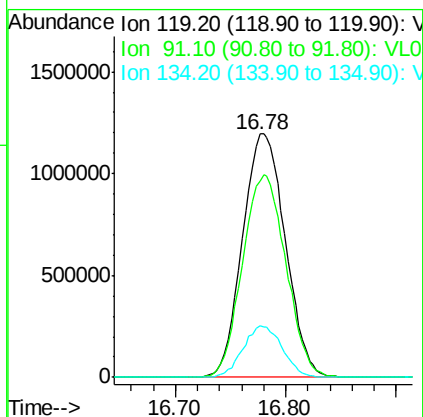
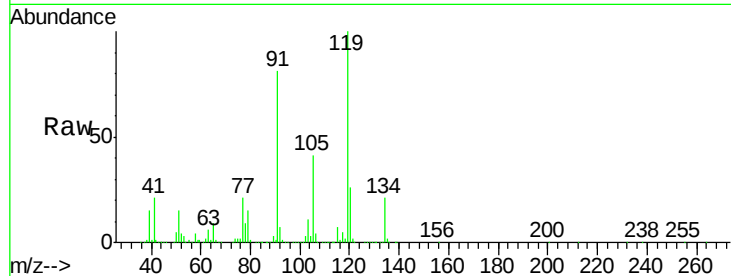




#65
tert-Butylbenzene
Concen: 8.089 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

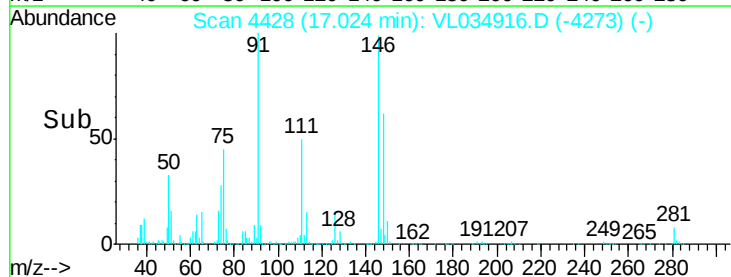
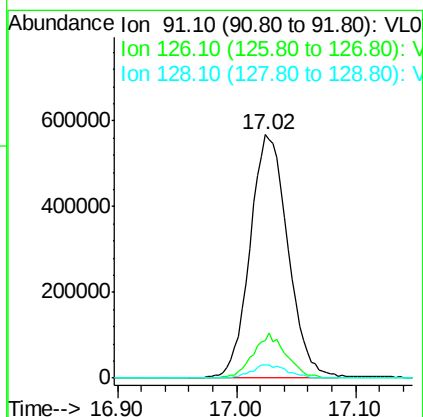
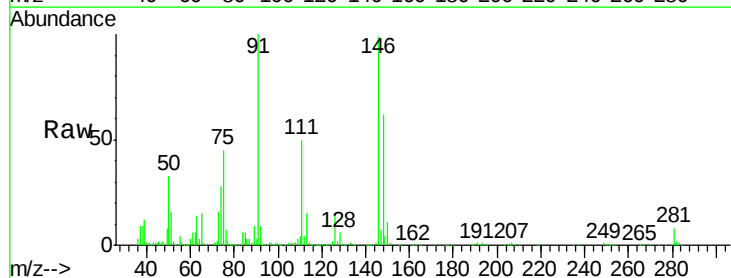
Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

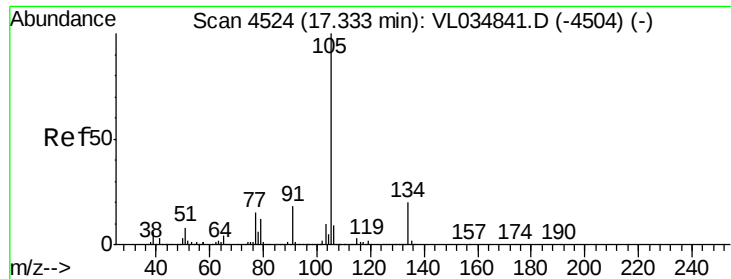
Tgt Ion: 119 Resp: 3213811
Ion Ratio Lower Upper
119 100
91 84.3 64.9 97.3
134 19.4 15.9 23.9



#66
Benzyl Chloride
Concen: 7.542 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 1249526
Ion Ratio Lower Upper
91 100
126 16.2 14.7 22.1
128 5.3 4.7 7.1

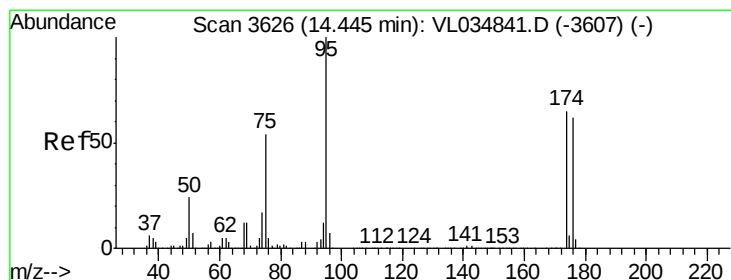
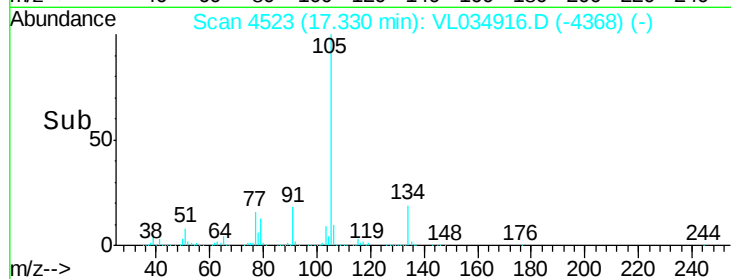
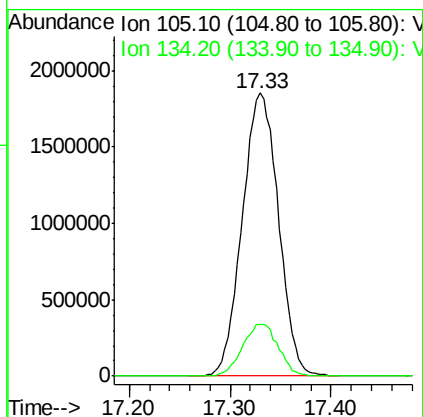
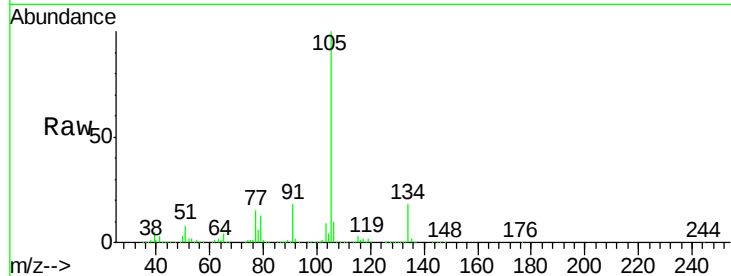




#67
 sec-Butylbenzene
 Concen: 8.365 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

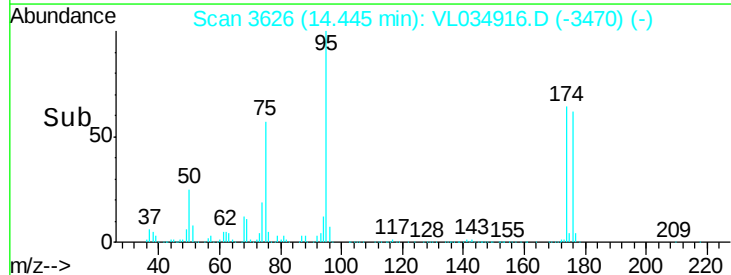
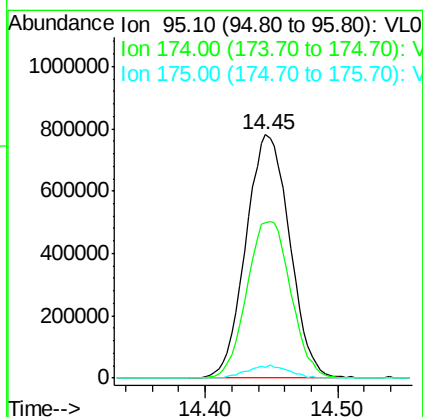
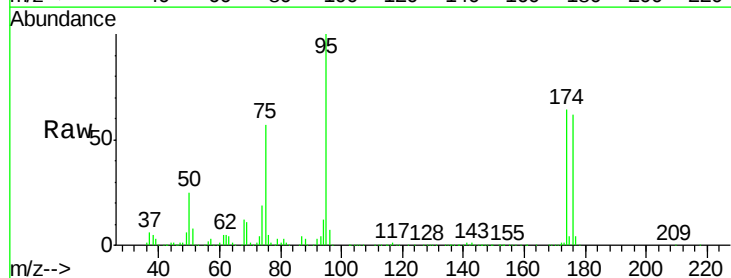
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

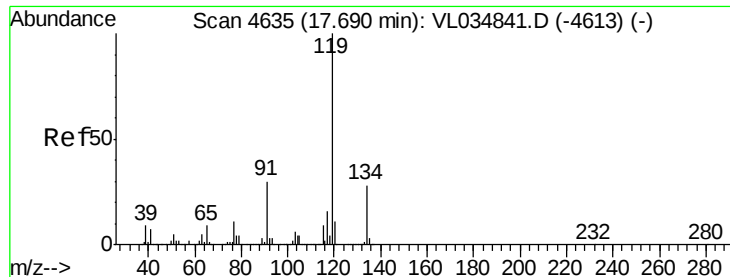
Tgt Ion: 105 Resp: 4608553
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.460 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 95 Resp: 1790178
 Ion Ratio Lower Upper
 95 100
 174 64.9 55.2 82.8
 175 5.0 4.3 6.5

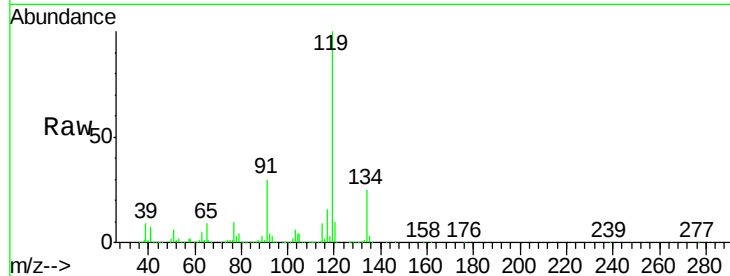




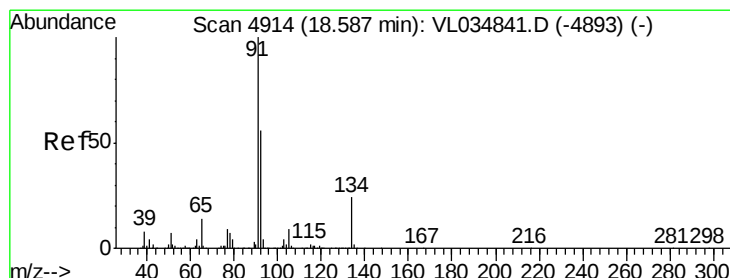
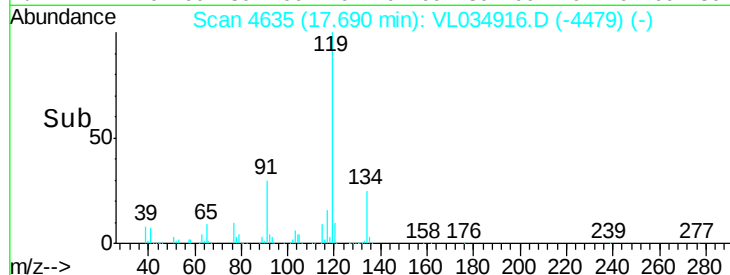
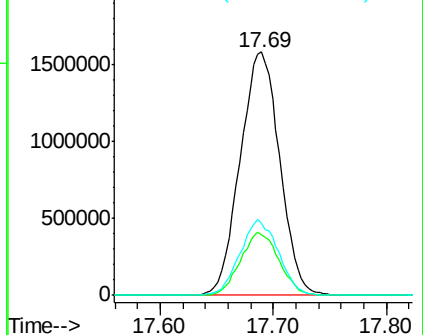
#69
 p-Isopropyltoluene
 Concen: 8.315 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tgt Ion: 119 Resp: 3841306
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 30.3 23.4 35.2

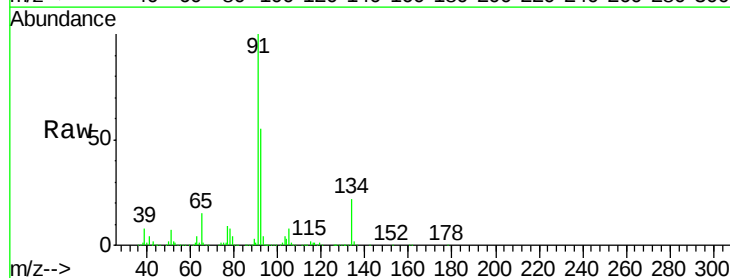


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

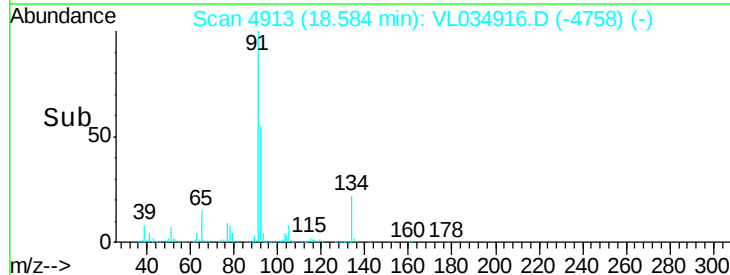
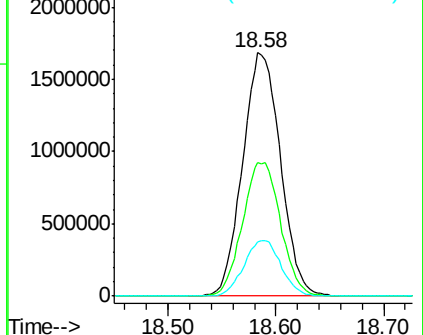


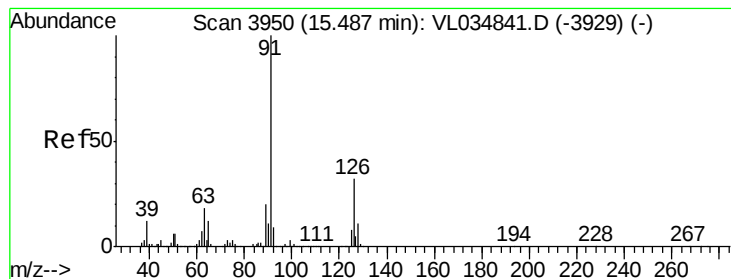
#70
 n-Butylbenzene
 Concen: 8.708 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 4104383
 Ion Ratio Lower Upper
 91 100
 92 55.3 43.8 65.6
 134 22.5 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: 8.365 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

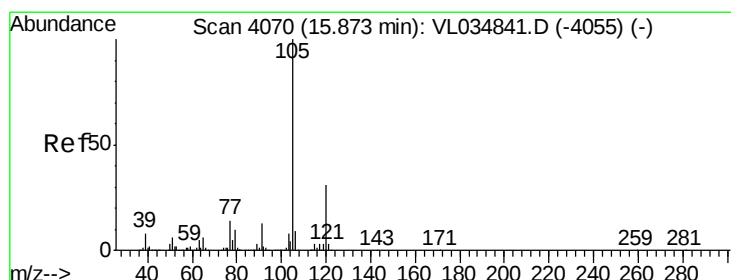
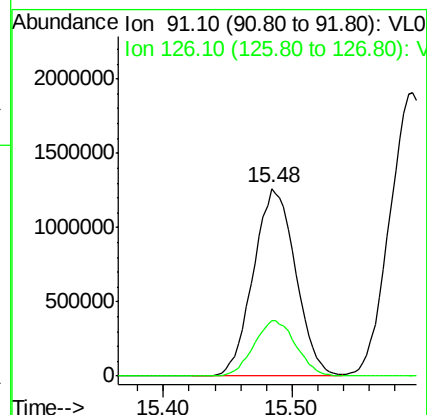
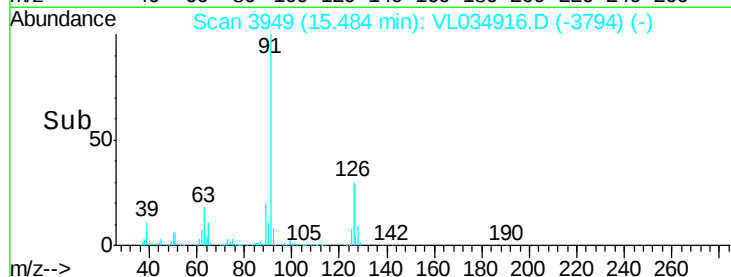
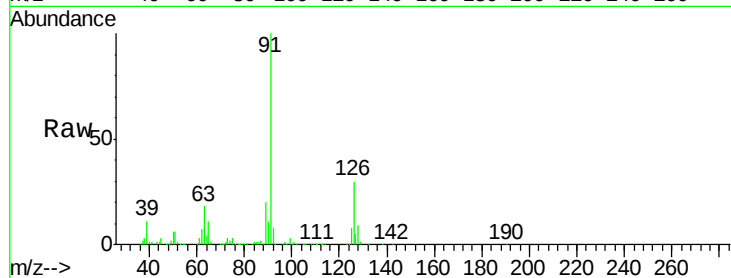
VL0317ABS01

Tgt Ion: 91 Resp: 2879382

Ion Ratio Lower Upper

91 100

126 29.6 12.3 49.1



#72

4-Ethyltoluene

Concen: 8.476 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 105 Resp: 3008873

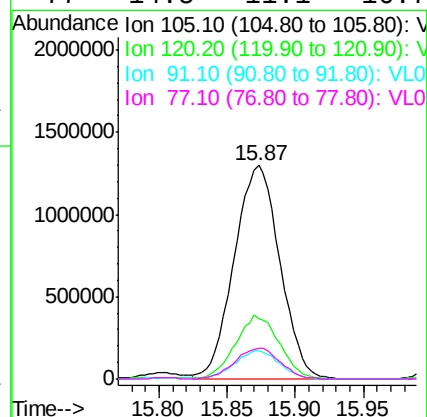
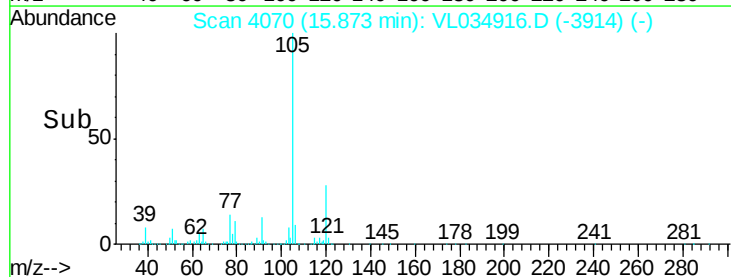
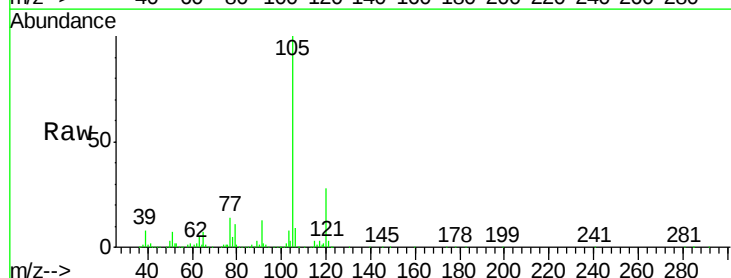
Ion Ratio Lower Upper

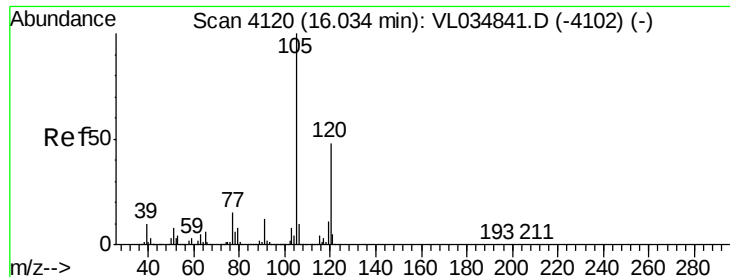
105 100

120 28.8 23.7 35.5

91 13.0 10.5 15.7

77 14.5 11.1 16.7

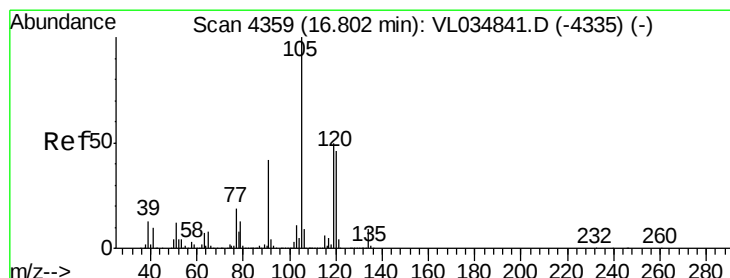
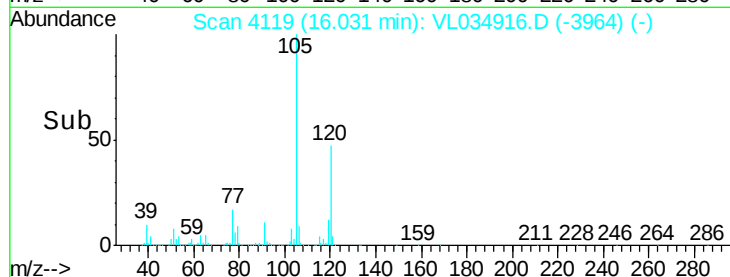
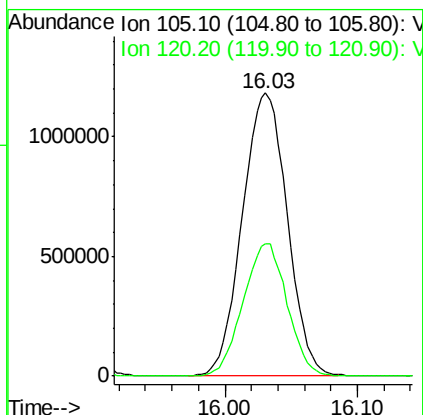
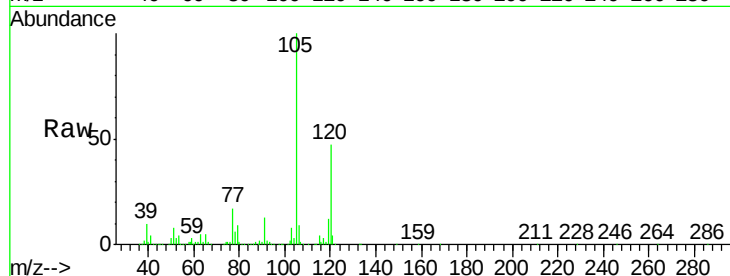




#73
 1,3,5-Trimethylbenzene
 Concen: 8.384 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

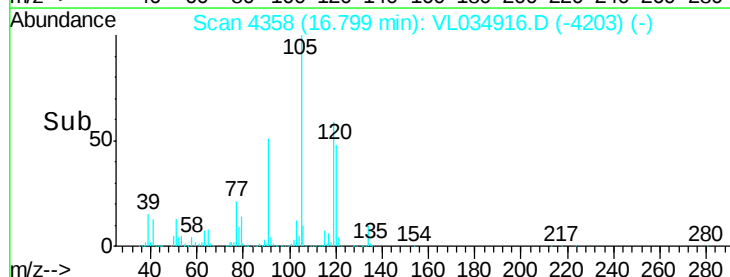
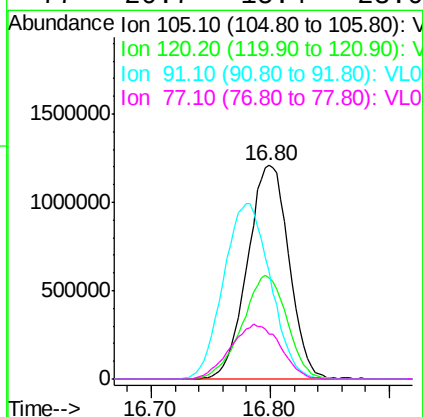
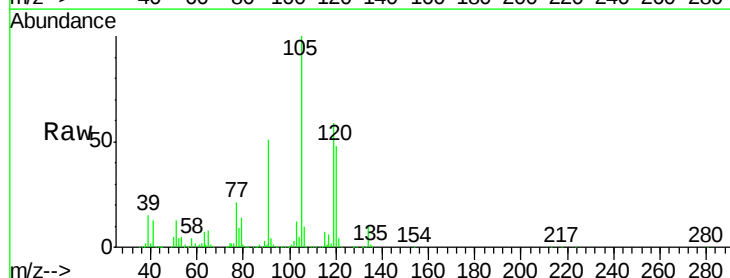
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

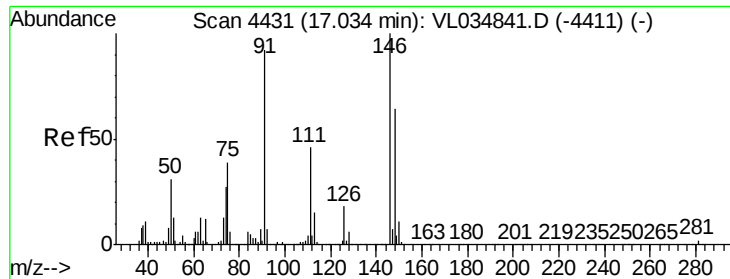
Tgt Ion:105 Resp: 2786000
 Ion Ratio Lower Upper
 105 100
 120 46.7 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.516 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion:105 Resp: 2915637
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.0 55.4
 91 50.3 33.8 50.6
 77 20.7 15.4 23.0

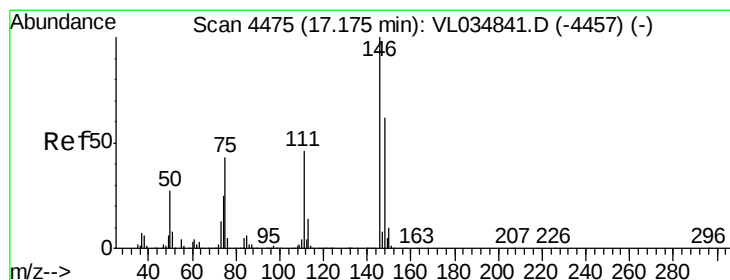
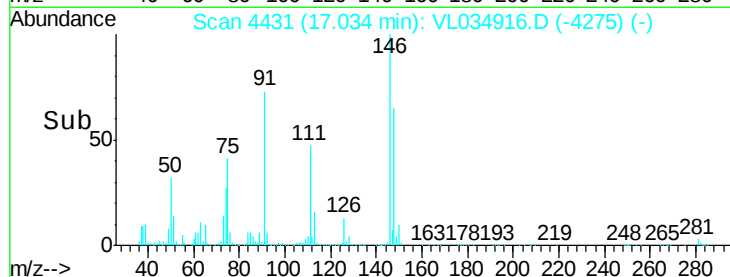
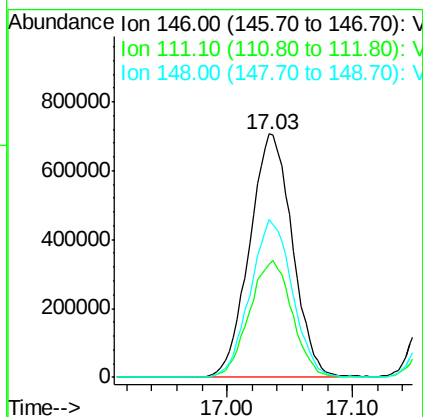
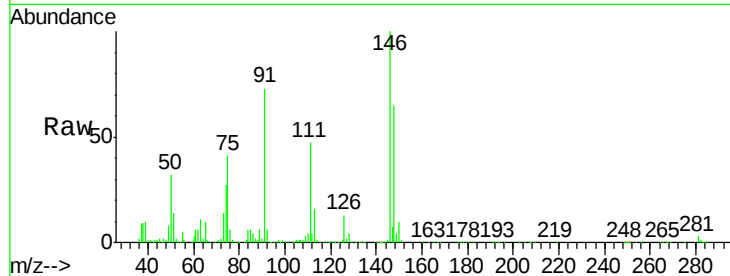




#75
 1,3-Dichlorobenzene
 Concen: 8.123 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

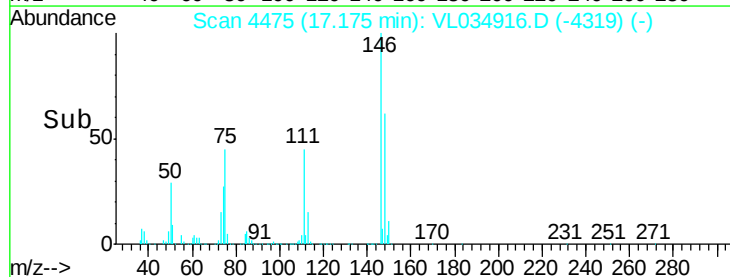
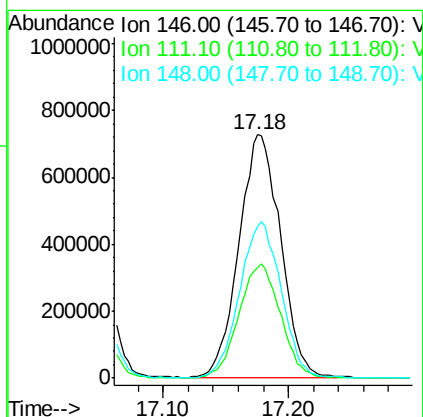
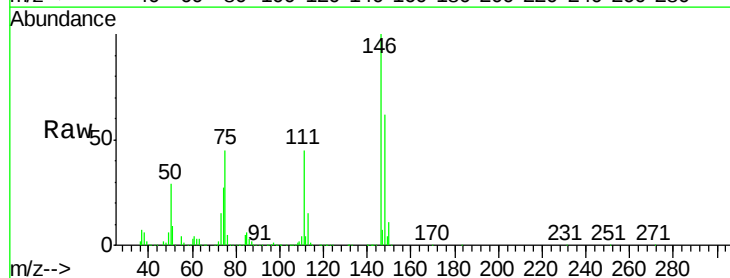
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

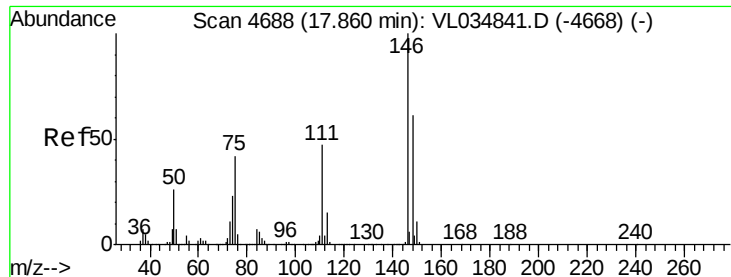
Tgt Ion:146 Resp: 1676793
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.9 71.7
 148 63.9 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 8.122 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion:146 Resp: 1673111
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.2
 148 64.9 32.3 96.9

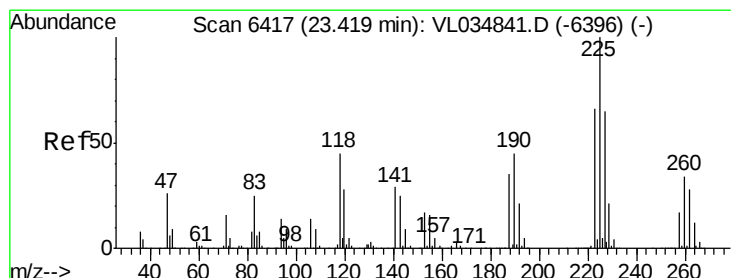
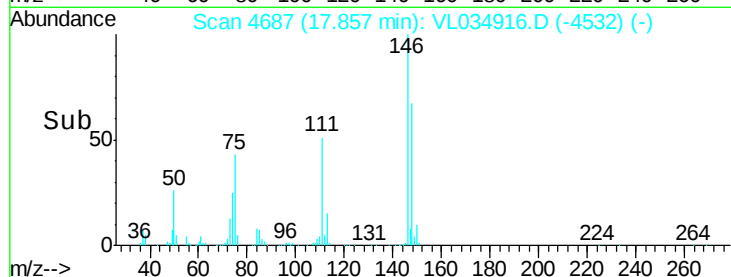
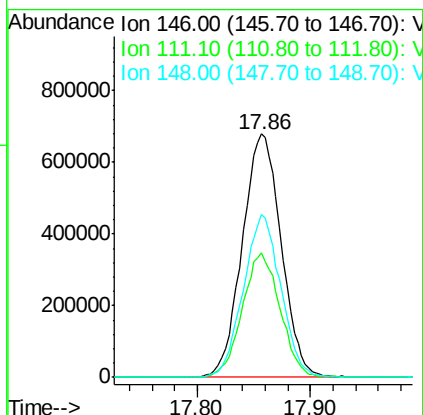
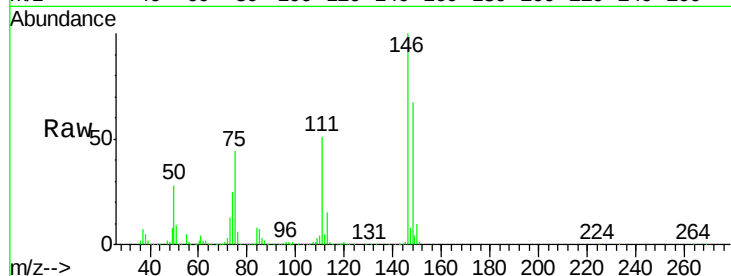




#77
 1,2-Dichlorobenzene
 Concen: 8.130 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

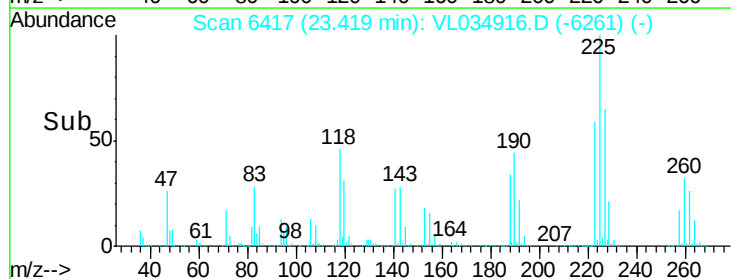
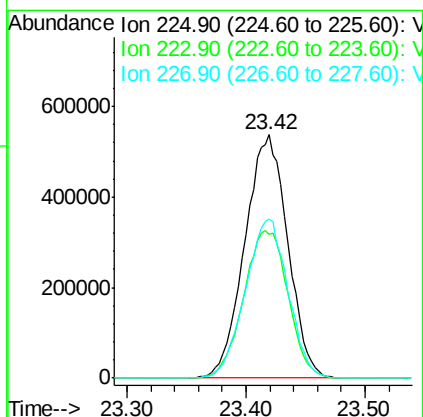
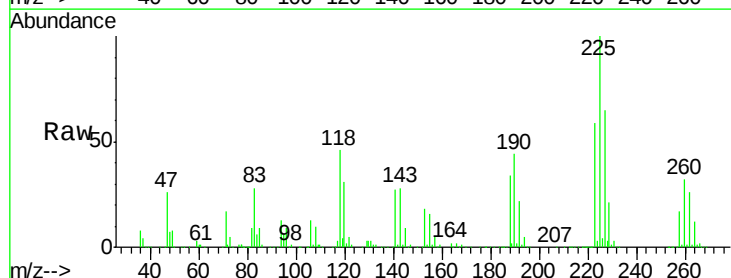
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

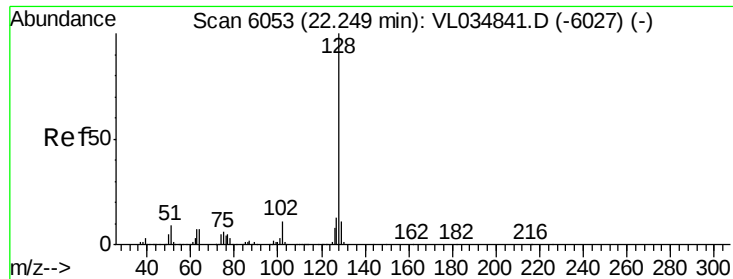
Tgt Ion:146 Resp: 1626783
 Ion Ratio Lower Upper
 146 100
 111 49.6 23.8 71.4
 148 64.4 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.004 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion:225 Resp: 1337655
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.1 76.7
 227 65.1 51.8 77.6





#79

Naphthalene

Concen: 10.283 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

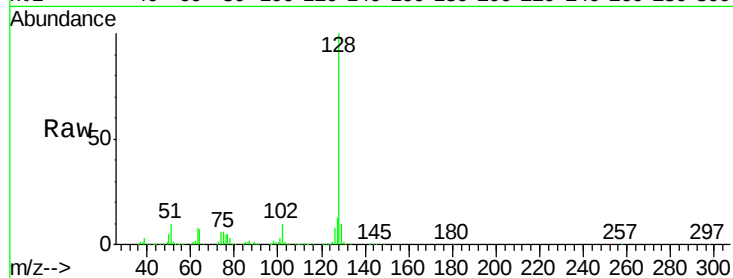
Tgt Ion:128 Resp: 2745426

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

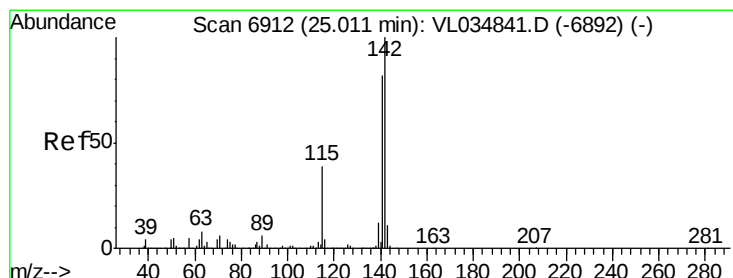
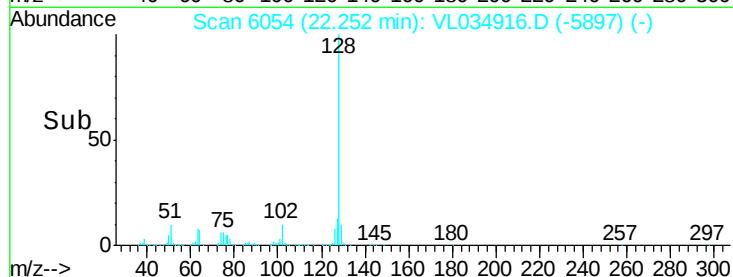
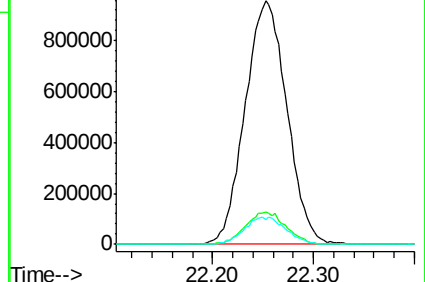
129 10.4 8.6 13.0



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: 15.937 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

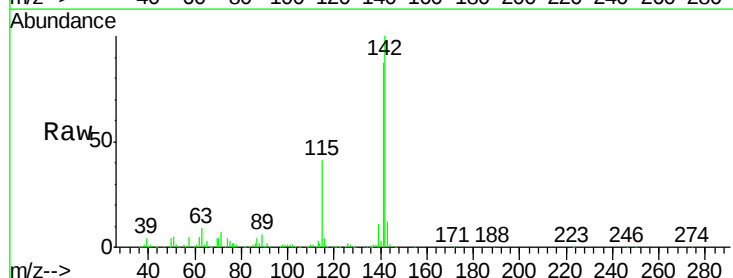
Tgt Ion:142 Resp: 1111927

Ion Ratio Lower Upper

142 100

141 84.5 68.9 103.3

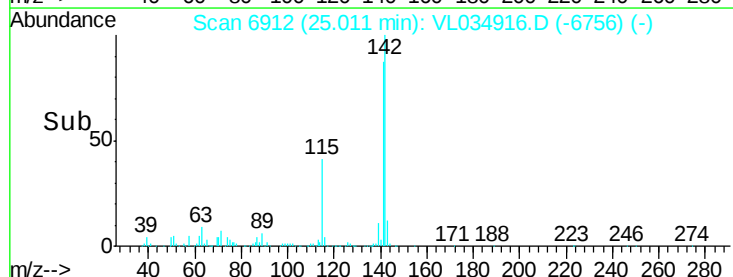
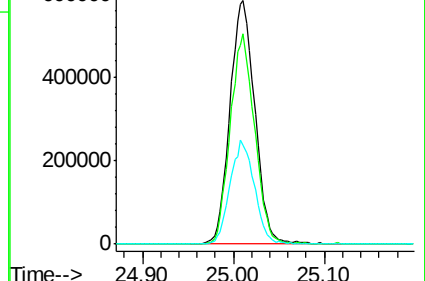
115 41.8 33.2 49.8

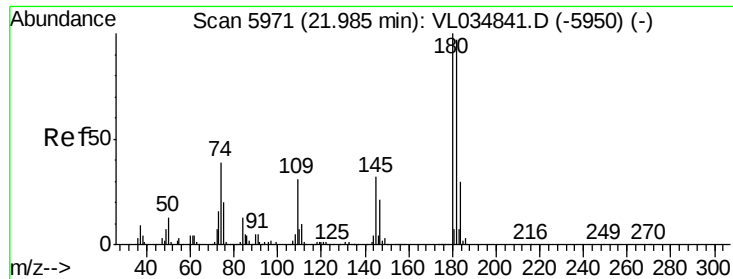


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.272 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tgt Ion:180 Resp: 1572765
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 115.0
 184 30.7 25.0 37.4

