

Data File : VL034841.D
Acq On : 9 Mar 2020 11:29
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 09 16:19:38 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 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950659	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2207975	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2808983	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1772884	7.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	75.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1000931	6.452	ppbv	100
3) Chlorodifluoromethane	2.94	51	966054	8.920	ppbv	100
4) Chloromethane	3.10	50	557453	9.556	ppbv	100
5) Vinyl Chloride	3.22	62	541675	8.789	ppbv	100
6) Bromomethane	3.44	94	312360	9.286	ppbv	100
7) Chloroethane	3.52	64	192333	9.026	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1211388	8.988	ppbv	100
9) Propene	2.97	41	460177	10.794	ppbv	100
10) Heptane	8.13	43	1188718	10.972	ppbv	100
11) Trichlorofluoromethane	3.92	101	1235433	8.899	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	873018	9.114	ppbv	100
13) Ethanol	3.57	45	117181	8.022	ppbv	100
14) Bromoethene	3.70	108	393320	10.007	ppbv	100
15) Acetone	3.82	43	986498	8.666	ppbv	100
16) 1,3-Butadiene	3.29	39	515405	10.007	ppbv	100
17) tert-Butyl alcohol	4.26	59	1040069	11.587	ppbv	100
18) 1,1-Dichloroethene	4.26	96	398136	9.425	ppbv	100
19) Isopropyl Alcohol	3.94	45	679728	9.965	ppbv	100
20) Methylene Chloride	4.31	84	346274	8.523	ppbv	100
21) Allyl Chloride	4.38	41	732006	10.154	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	401478	9.736	ppbv	100
23) Vinyl Acetate	5.06	43	1708866	11.194	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1124960	9.495	ppbv	100
25) Ethyl Acetate	5.66	43	1992774	10.130	ppbv	100
26) Hexane	5.67	57	879290	10.231	ppbv	99
27) Carbon Disulfide	4.53	76	1066498	10.623	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1482007	11.586	ppbv	100
29) Chloroform	5.74	83	1303066	9.007	ppbv	100
30) Cyclohexane	7.13	84	751354	11.428	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	906803	10.287	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	1331762	9.316	ppbv	100
34) 2-Butanone	5.23	43	1320024	9.189	ppbv	100
35) Carbon Tetrachloride	7.02	117	1371726	8.233	ppbv	100
36) Benzene	6.89	78	1804613	9.565	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1029103	7.985	ppbv	100
38) Trichloroethene	7.84	130	687795	9.353	ppbv	100
39) 1,2-Dichloropropane	7.62	63	707816	9.296	ppbv	100
40) 1,4-Dioxane	7.84	88	253420	9.623	ppbv #	100
41) Tetrahydrofuran	6.04	42	764766	10.434	ppbv	100
42) Bromodichloromethane	7.80	83	1452243	8.906	ppbv	100
43) Methyl Methacrylate	8.02	69	797938	9.980	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3064536	9.295	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	994834	11.853	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1140053	11.124	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	743203	9.245	ppbv	100
48) Dibromochloromethane	10.33	129	1281607	10.195	ppbv	100
49) Bromoform	13.07	173	1188493	10.835	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1980080	9.620	ppbv	100
51) 2-Hexanone	10.15	43	1653162	10.239	ppbv	100
52) Tetrachloroethene	11.25	164	683276	9.802	ppbv	100
53) Toluene	9.82	91	2123425	10.634	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1141798	9.606	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	969004	7.786	ppbv	98
57) Chlorobenzene	12.17	112	1595175	7.434	ppbv	100
58) Ethyl Benzene	12.74	91	2855935	8.250	ppbv	100
59) m/p-Xylene	13.02	91	2143765	7.154	ppbv #	19
60) o-Xylene	13.72	91	2276835	7.510	ppbv	100
61) Styrene	13.56	104	1731178	9.204	ppbv	100
62) Isopropylbenzene	14.70	105	3445036	7.720	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1580840	6.614	ppbv	100
64) n-propylbenzene	15.59	120	926573	8.282	ppbv	100
65) tert-Butylbenzene	16.78	119	3019254	8.007	ppbv	100
66) Benzyl Chloride	17.03	91	1459623	11.973	ppbv	100
67) sec-Butylbenzene	17.33	105	4276822	7.783	ppbv	100
69) p-Isopropyltoluene	17.69	119	3640720	8.187	ppbv	100
70) n-Butylbenzene	18.59	91	3717188	7.645	ppbv	100
71) 2-Chlorotoluene	15.49	91	2638637	7.829	ppbv	100
72) 4-Ethyltoluene	15.87	105	2792249	8.272	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2615781	8.078	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2681904	7.619	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1570753	7.538	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1592165	7.985	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1560508	7.829	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1302523	7.830	ppbv	100
79) Naphthalene	22.25	128	2705466	10.228	ppbv	100
80) Naphthalene,2-methyl-	25.01	142	1204283	19.061	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1564727	9.357	ppbv	100

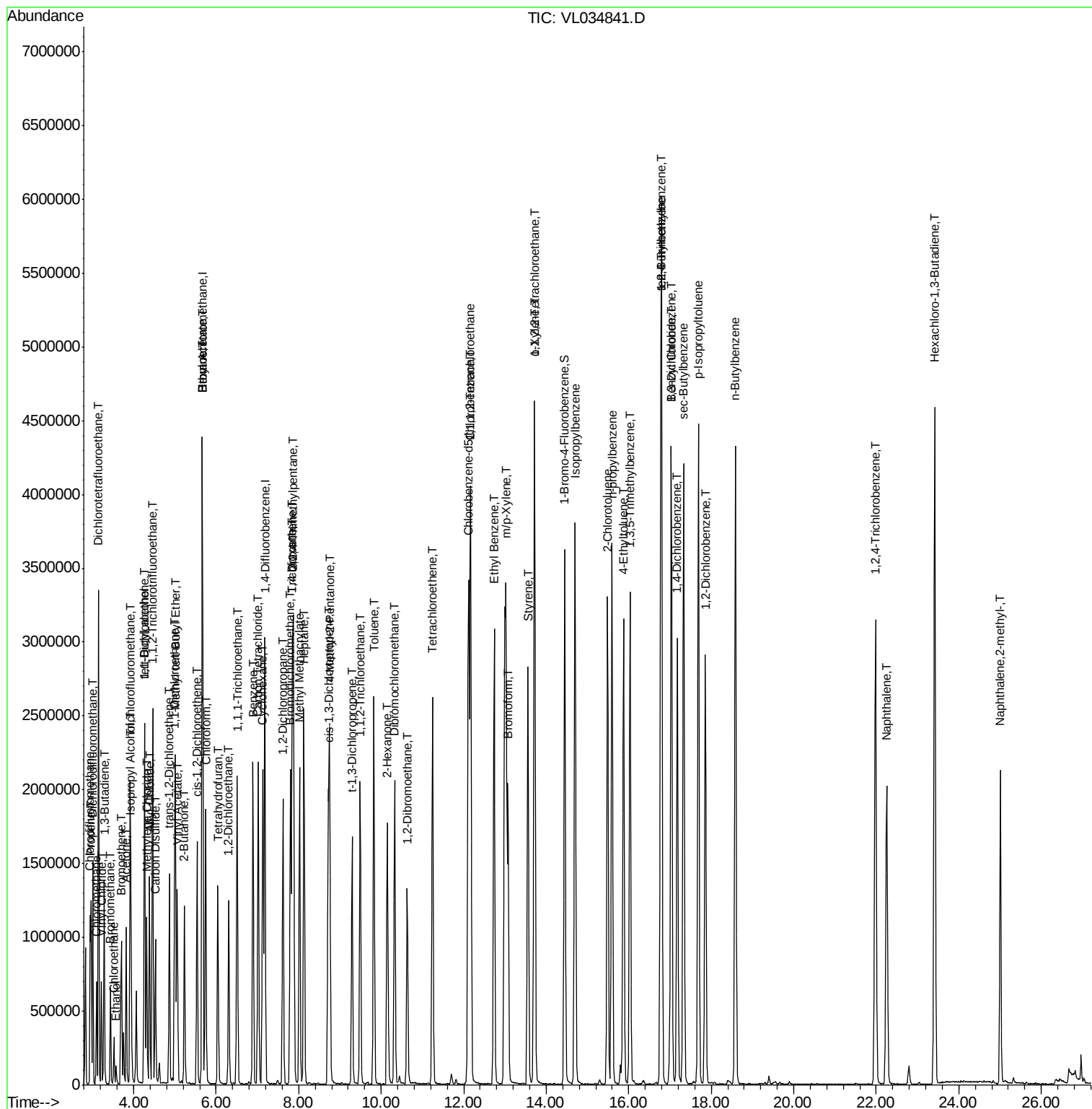
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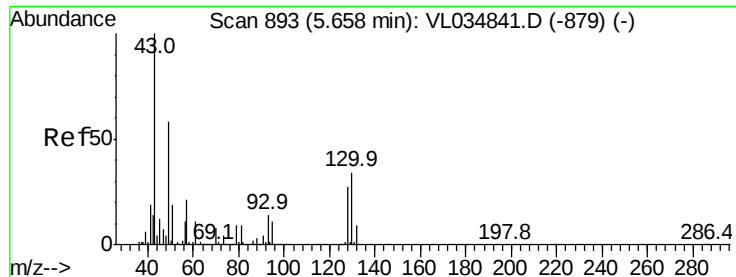
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

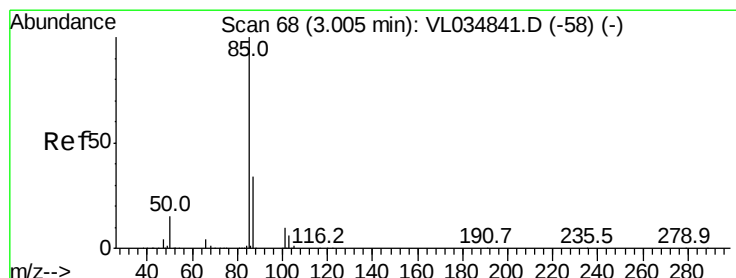
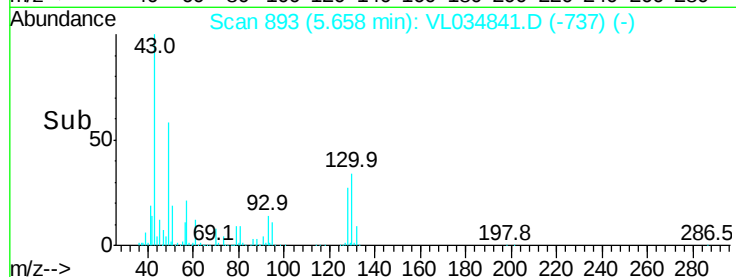
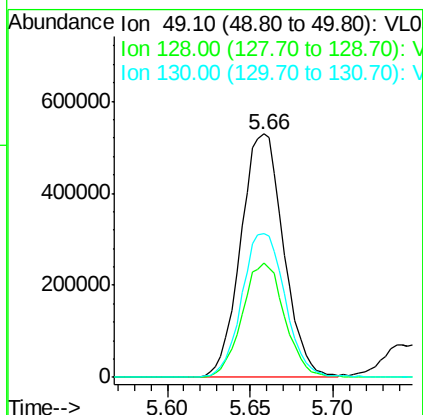
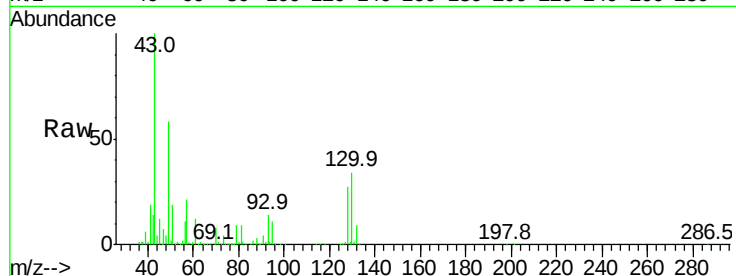
Delta R.T. 0.00 min

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Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:	49	Resp:	950659
Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.4	70.3
130	60.0	30.0	90.0



#2

Dichlorodifluoromethane

Concen: 6.452 ppbv

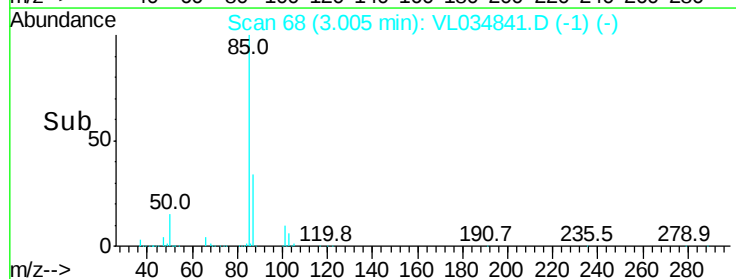
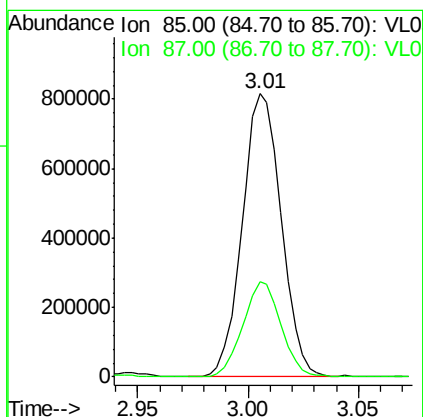
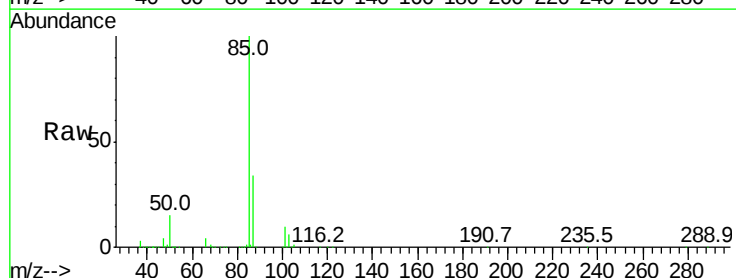
RT: 3.01 min Scan# 68

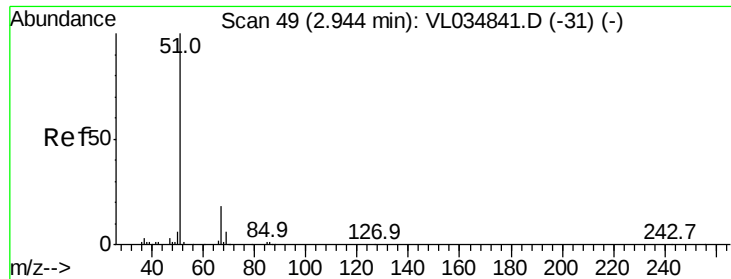
Delta R.T. 0.00 min

Lab File: VL034841.D

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Tgt Ion:	85	Resp:	1000931
Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.9	40.3

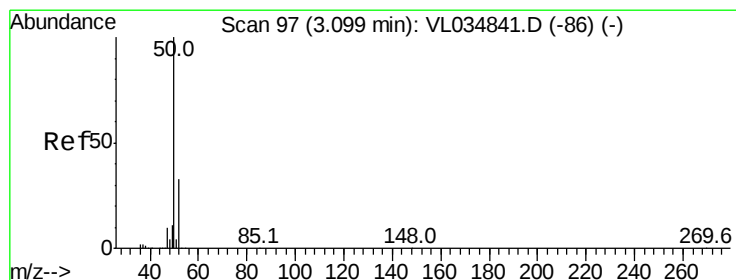
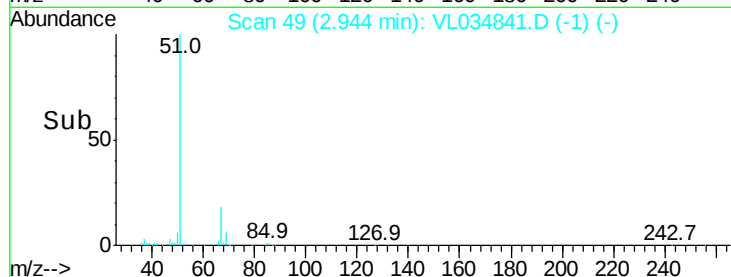
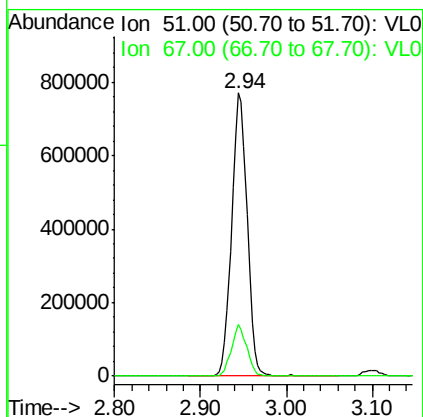
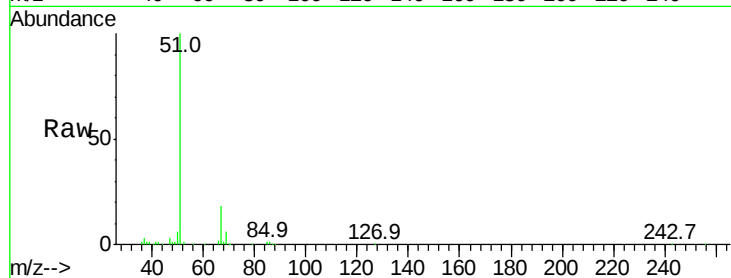




#3
Chlorodifluoromethane
Concen: 8.920 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

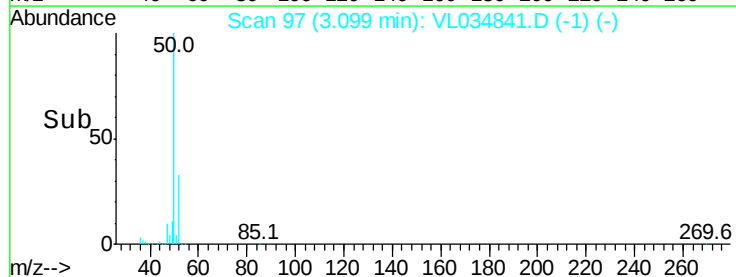
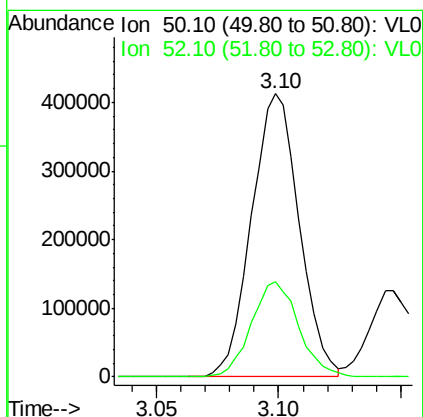
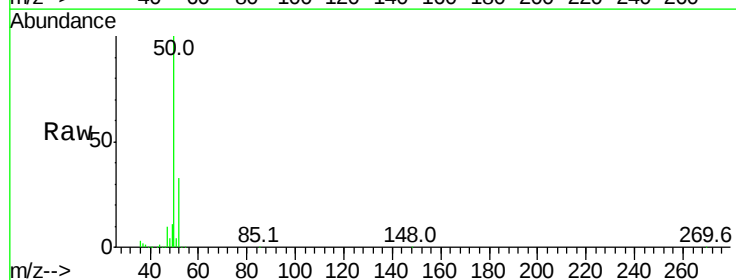
Instrument :
MSVOA_L
ClientSampleId :

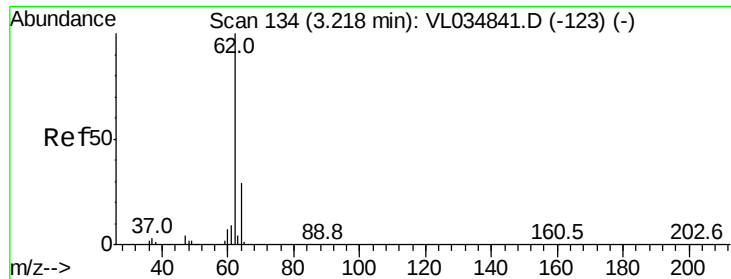
Tgt Ion: 51 Resp: 966054
Ion Ratio Lower Upper
51 100
67 17.9 14.3 21.5



#4
Chloromethane
Concen: 9.556 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 50 Resp: 557453
Ion Ratio Lower Upper
50 100
52 33.5 26.8 40.2





#5

Vinyl Chloride

Concen: 8.789 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

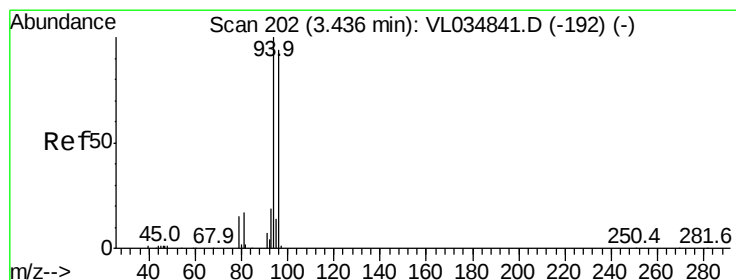
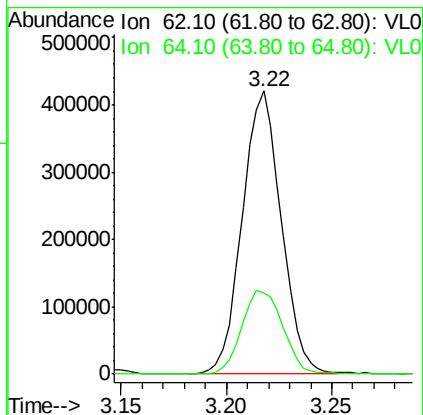
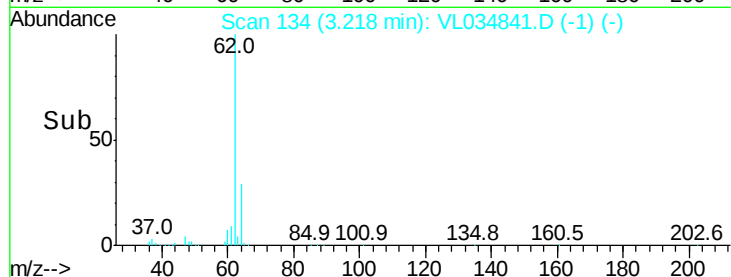
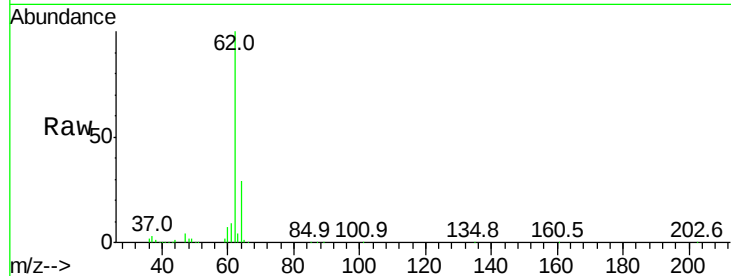
ClientSampleId :

Tgt Ion: 62 Resp: 541675

Ion Ratio Lower Upper

62 100

64 28.7 23.0 34.4



#6

Bromomethane

Concen: 9.286 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034841.D

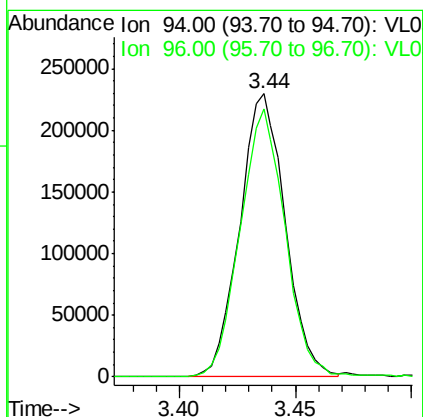
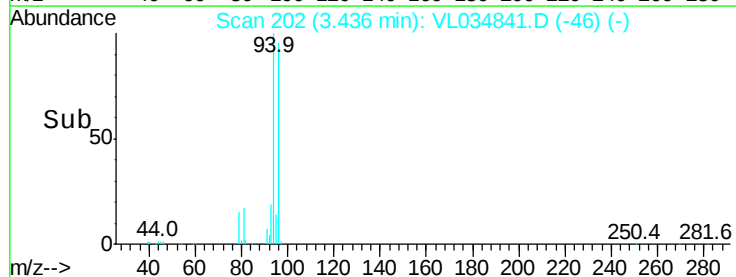
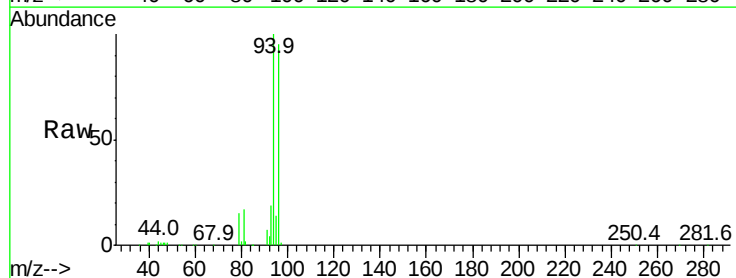
Acq: 9 Mar 2020 11:29

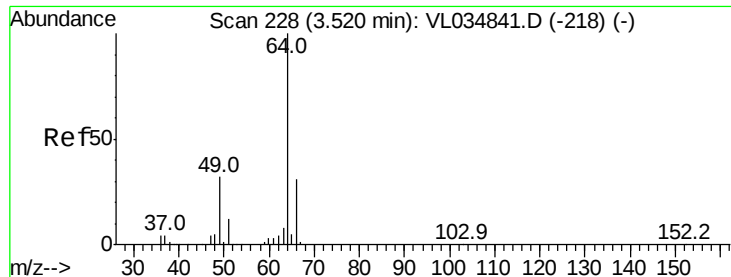
Tgt Ion: 94 Resp: 312360

Ion Ratio Lower Upper

94 100

96 94.4 75.5 113.3





#7

Chloroethane

Concen: 9.026 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

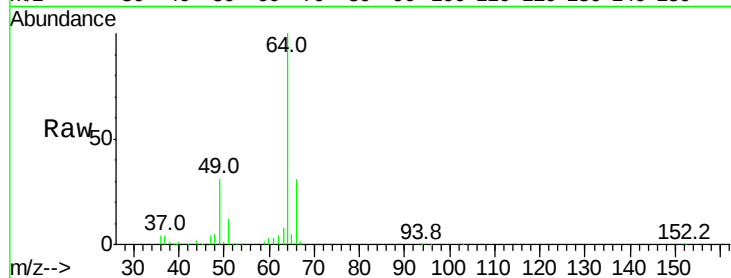
ClientSampleId :

Tgt Ion: 64 Resp: 192333

Ion Ratio Lower Upper

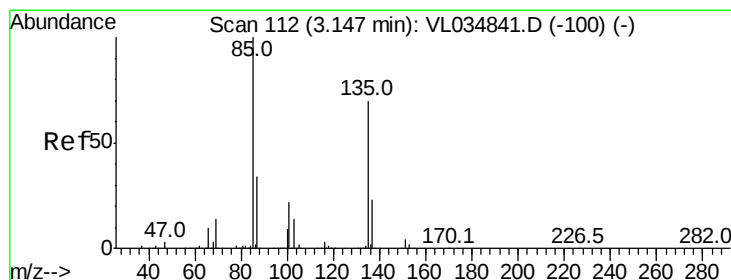
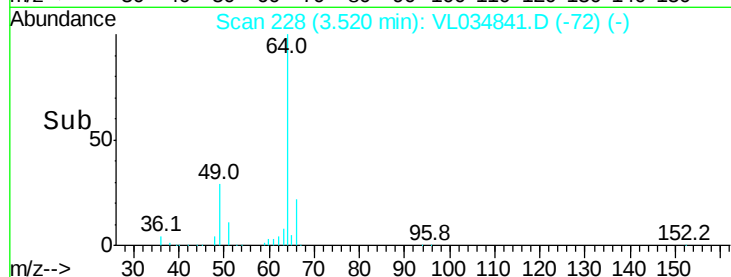
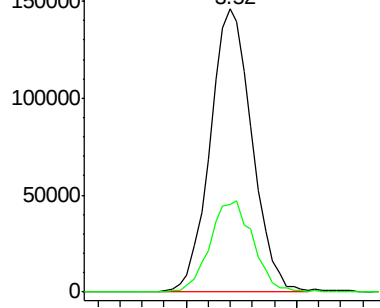
64 100

66 31.0 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.988 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034841.D

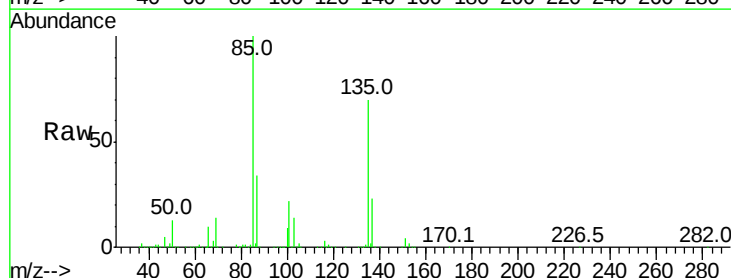
Acq: 9 Mar 2020 11:29

Tgt Ion: 85 Resp: 1211388

Ion Ratio Lower Upper

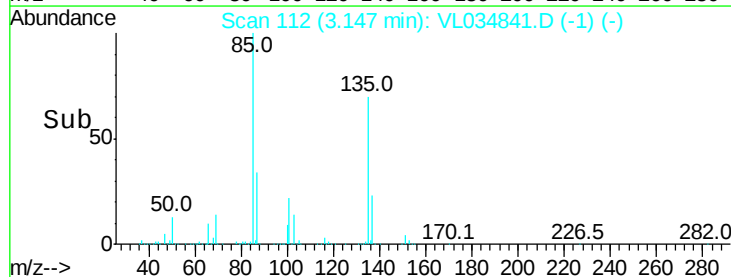
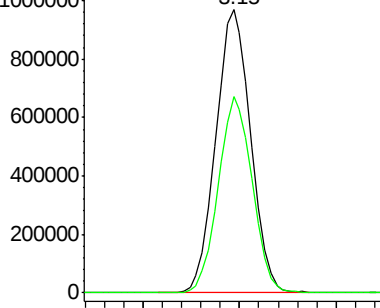
85 100

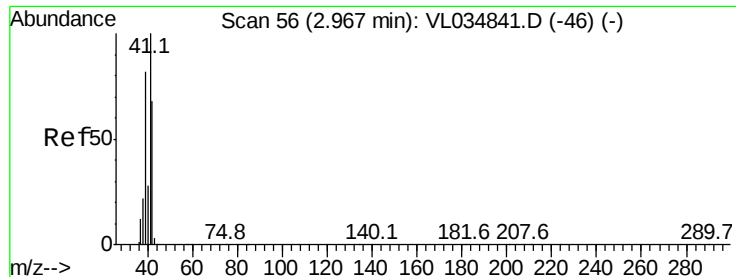
135 67.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.794 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

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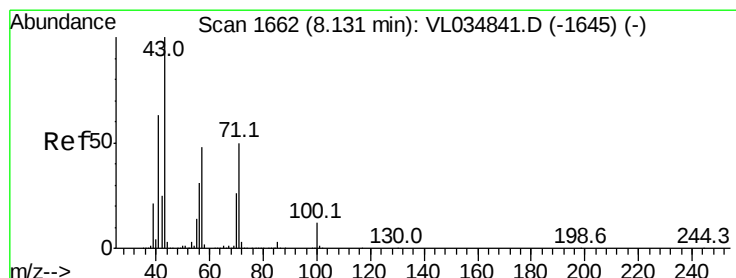
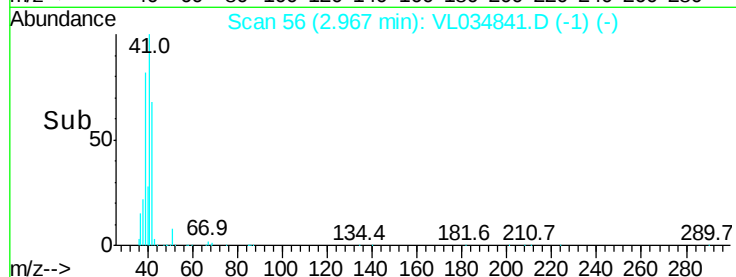
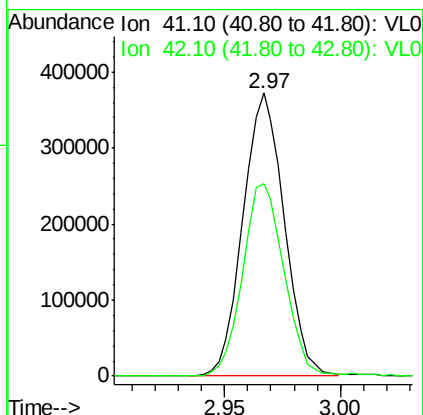
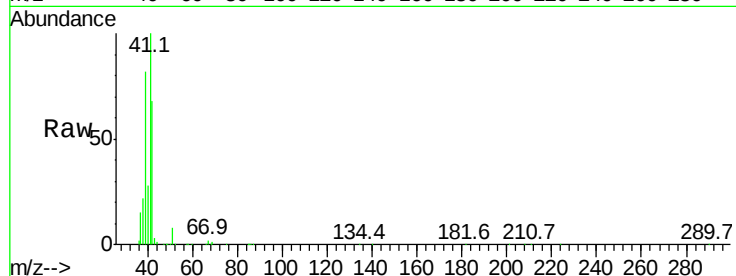
ClientSampleId :

Tgt Ion: 41 Resp: 460177

Ion Ratio Lower Upper

41 100

42 69.0 55.2 82.8



#10

Heptane

Concen: 10.972 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034841.D

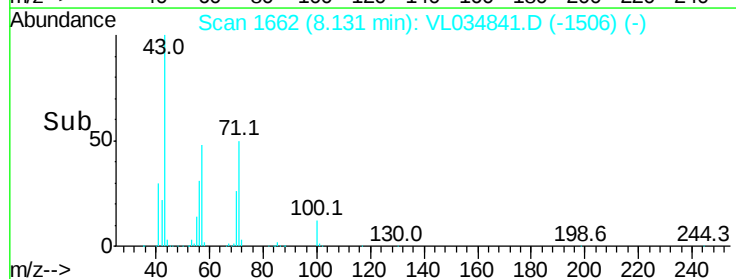
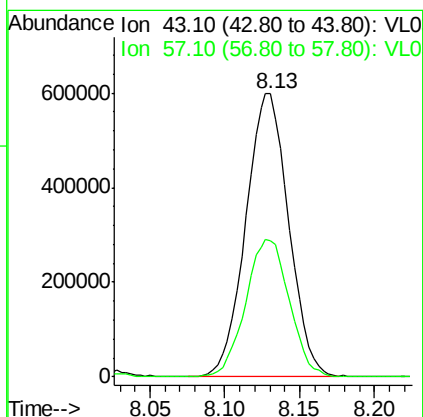
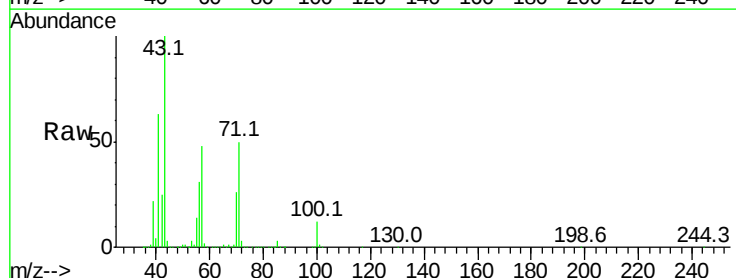
Acq: 9 Mar 2020 11:29

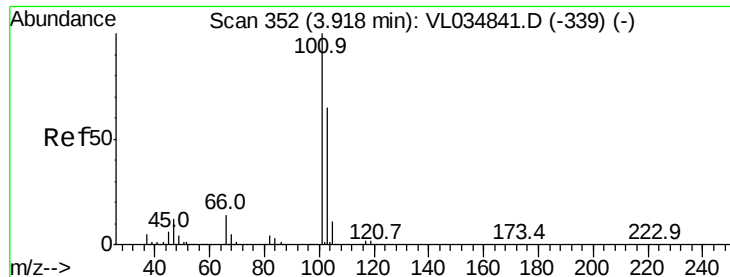
Tgt Ion: 43 Resp: 1188718

Ion Ratio Lower Upper

43 100

57 49.8 39.7 59.5

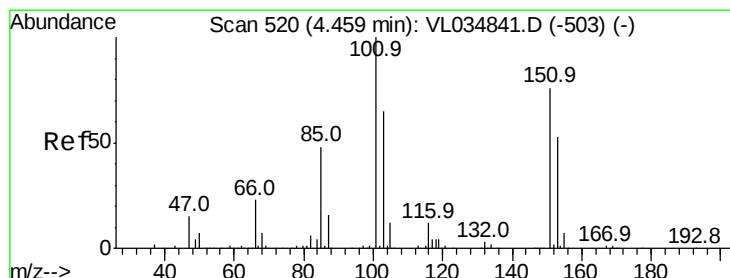
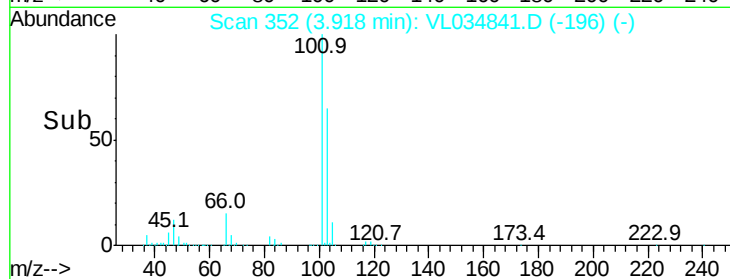
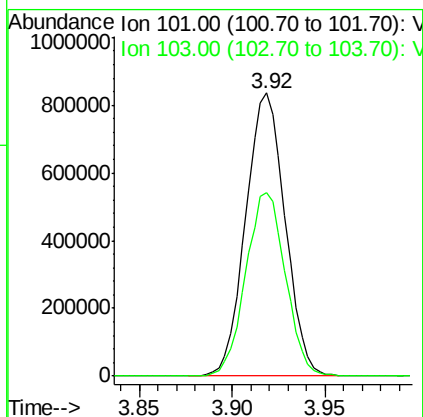
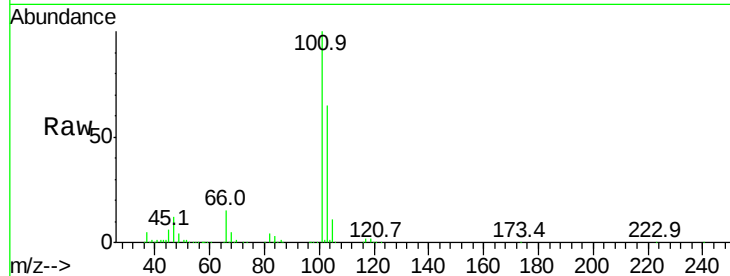




#11
 Trichlorofluoromethane
 Concen: 8.899 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

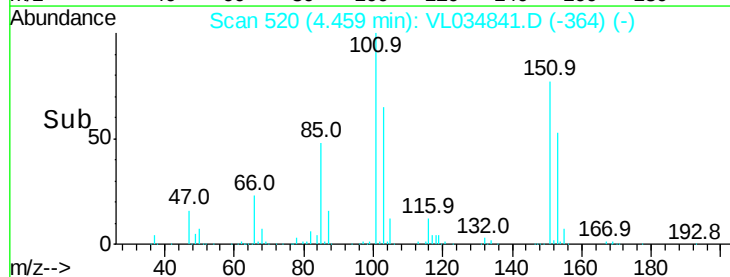
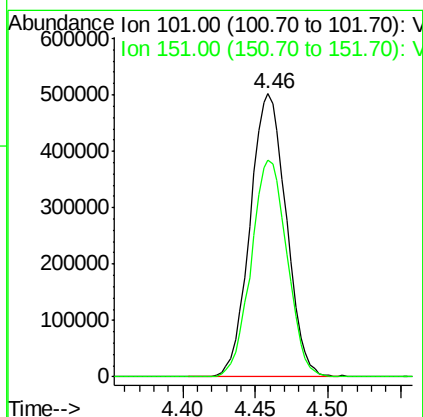
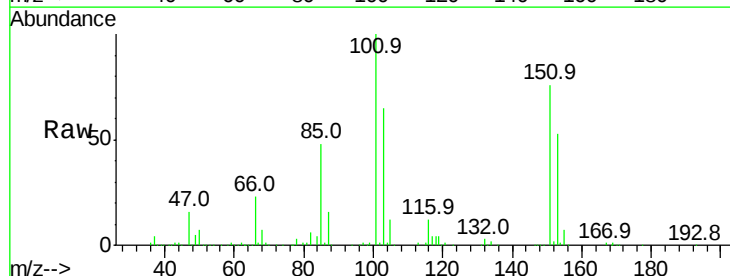
Instrument :
 MSVOA_L
 ClientSampleId :

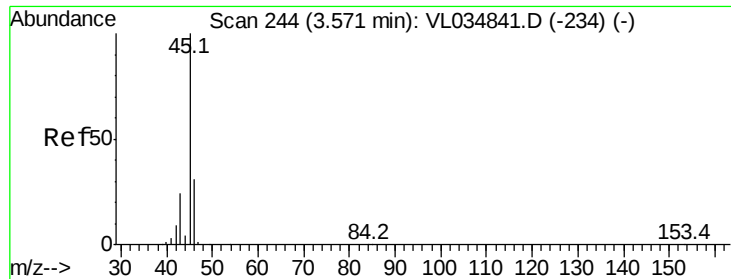
Tgt Ion:101 Resp: 1235433
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.114 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion:101 Resp: 873018
 Ion Ratio Lower Upper
 101 100
 151 75.9 60.8 91.2





#13

Ethanol

Concen: 8.022 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

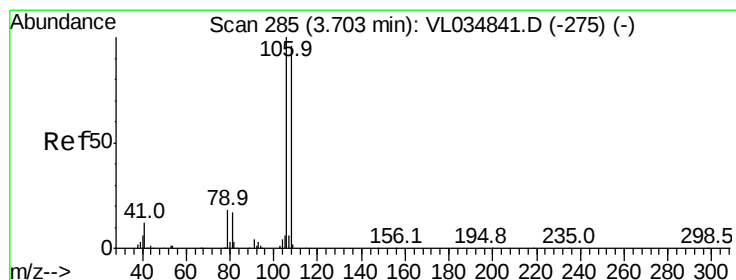
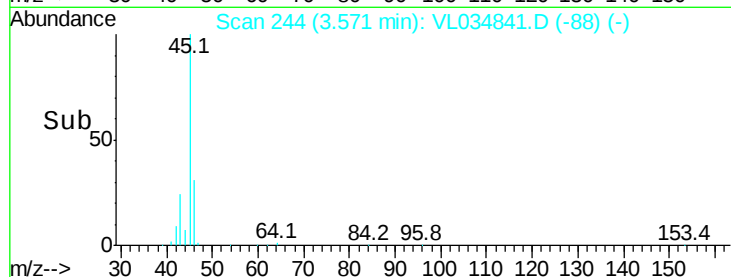
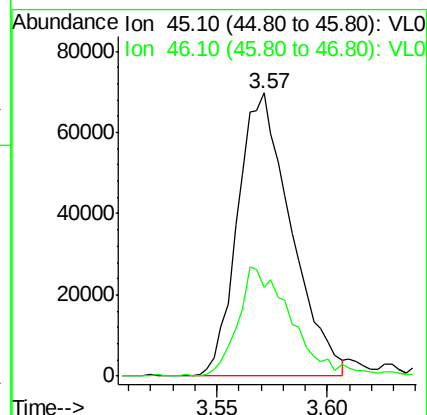
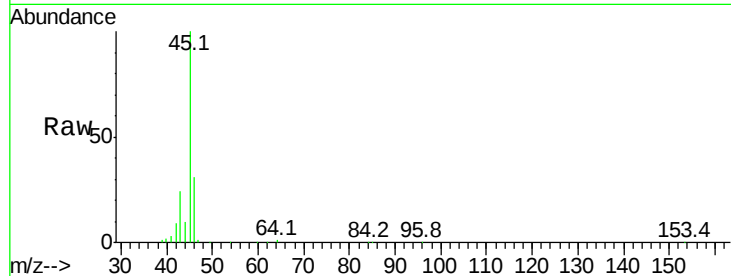
ClientSampleId :

Tgt Ion: 45 Resp: 117181

Ion Ratio Lower Upper

45 100

46 40.0 16.0 64.0



#14

Bromoethene

Concen: 10.007 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

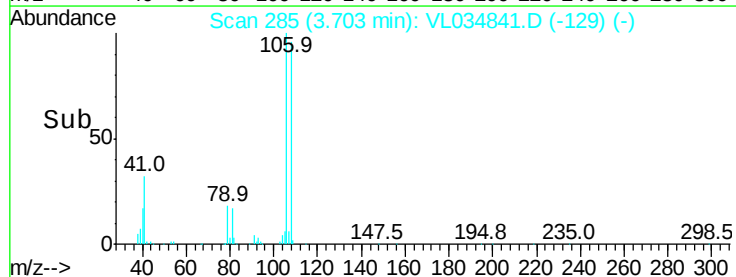
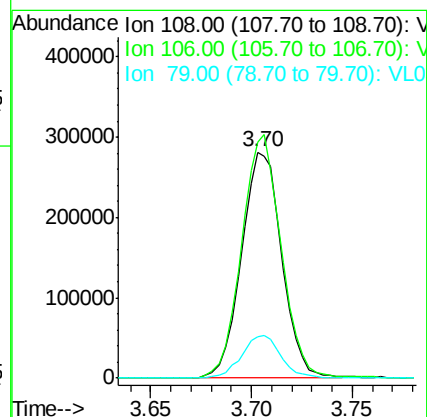
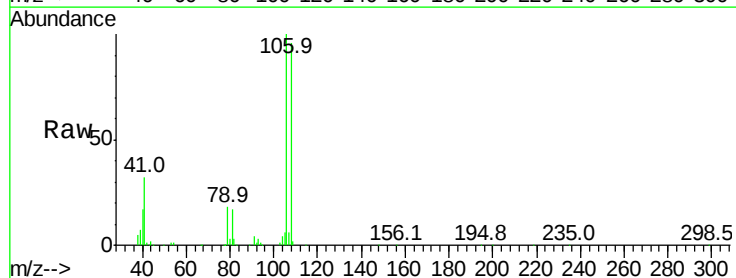
Tgt Ion: 108 Resp: 393320

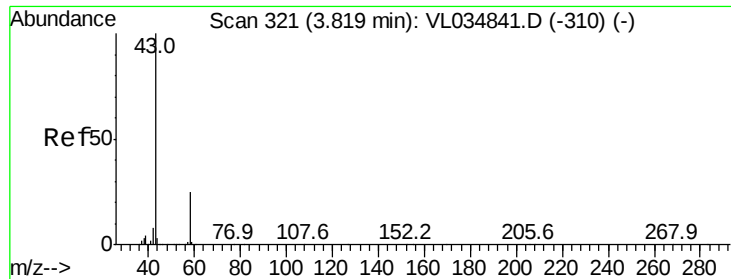
Ion Ratio Lower Upper

108 100

106 106.4 85.1 127.7

79 18.4 14.7 22.1





#15

Acetone

Concen: 8.666 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

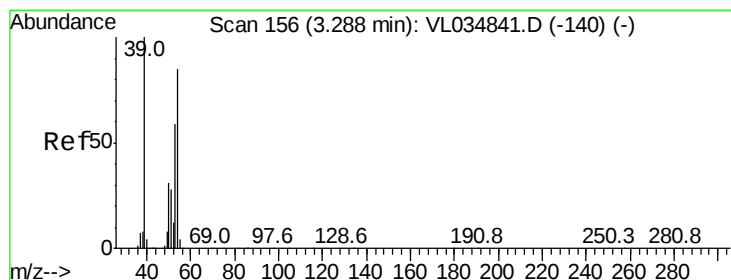
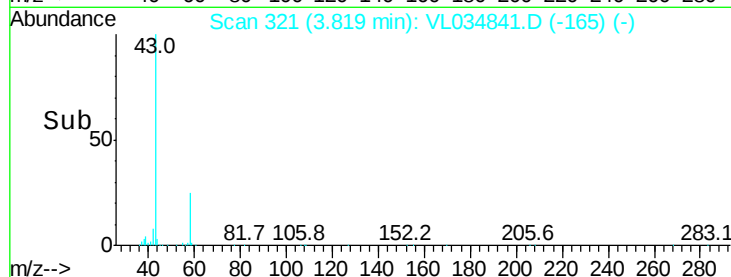
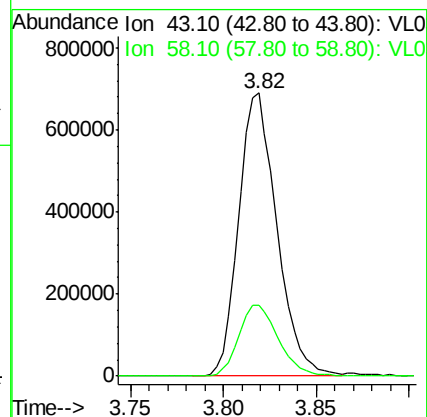
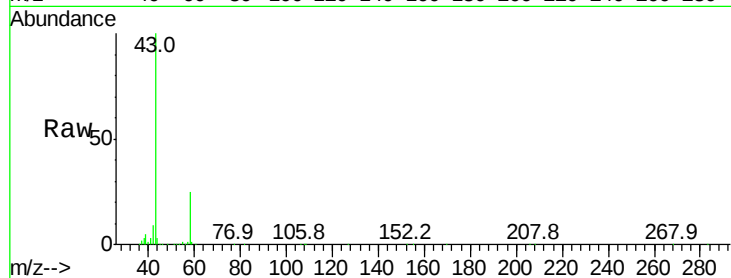
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 986498

Ion Ratio Lower Upper

43 100

58 26.3 21.0 31.6



#16

1,3-Butadiene

Concen: 10.007 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034841.D

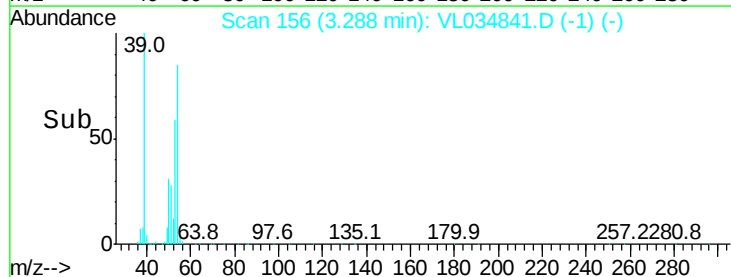
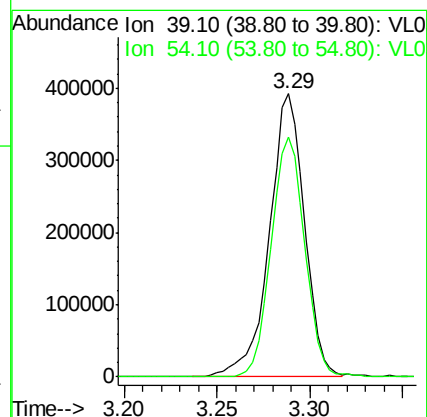
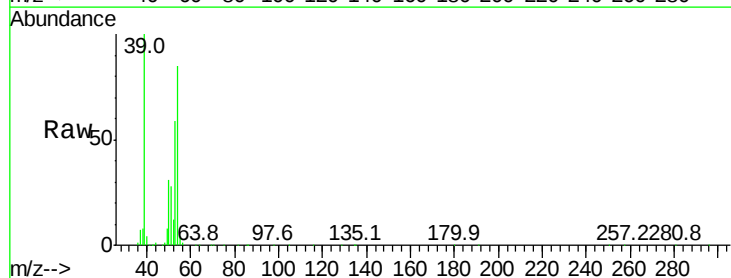
Acq: 9 Mar 2020 11:29

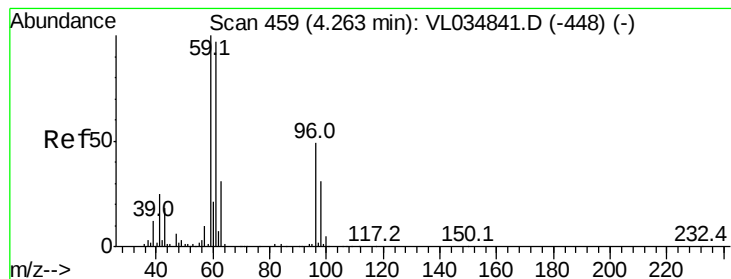
Tgt Ion: 39 Resp: 515405

Ion Ratio Lower Upper

39 100

54 81.6 65.0 97.6





#17

tert-Butyl alcohol

Concen: 11.587 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

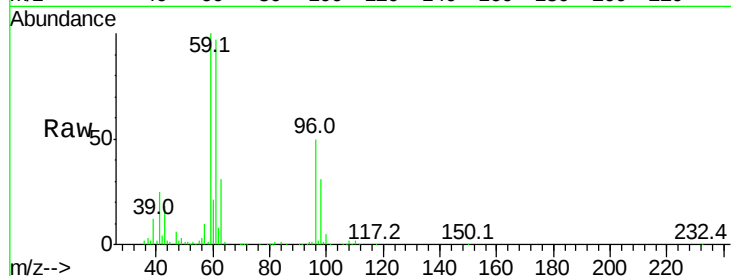
ClientSampled :

Tgt Ion: 59 Resp: 1040069

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

600000

500000

400000

300000

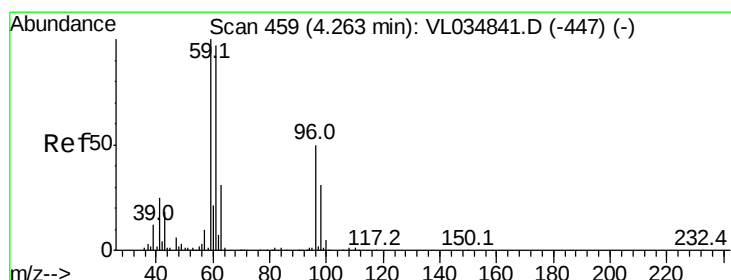
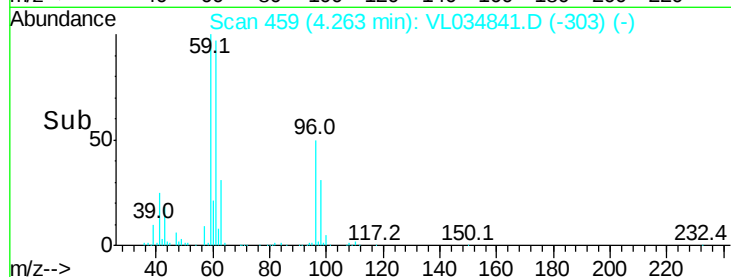
200000

100000

0

Time-->

4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.425 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

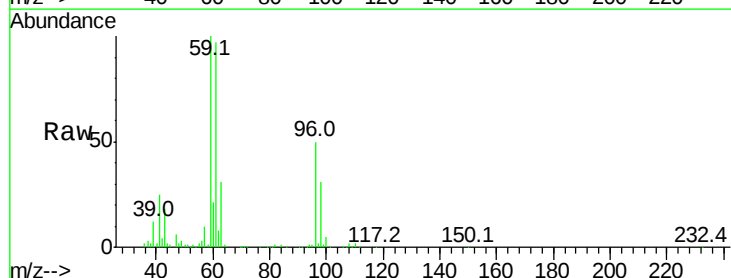
Tgt Ion: 96 Resp: 398136

Ion Ratio Lower Upper

96 100

61 196.6 157.3 235.9

98 62.8 50.2 75.4



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

600000

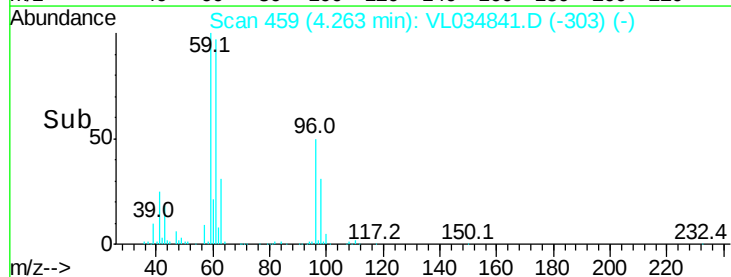
400000

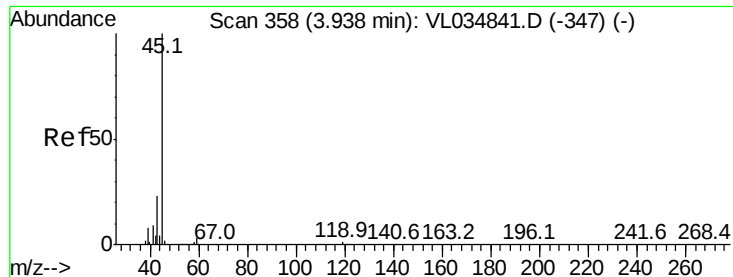
200000

0

Time-->

4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.965 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

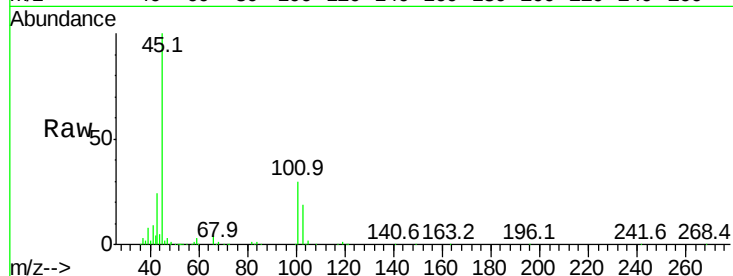
ClientSampleId :

Tgt Ion: 45 Resp: 679728

Ion Ratio Lower Upper

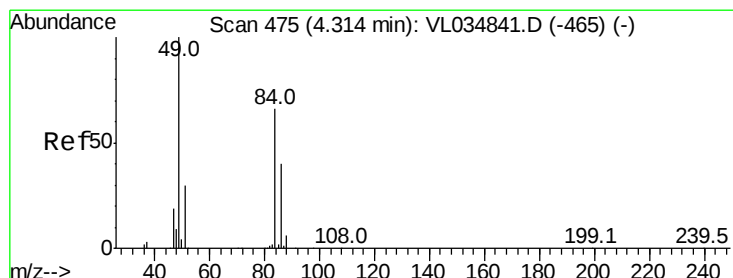
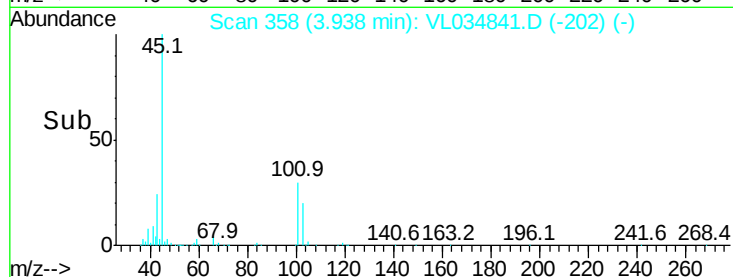
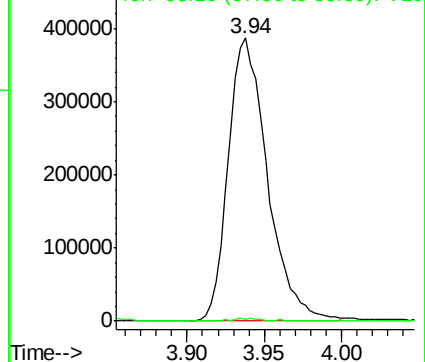
45 100

58 38.1 30.5 45.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.523 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 346274

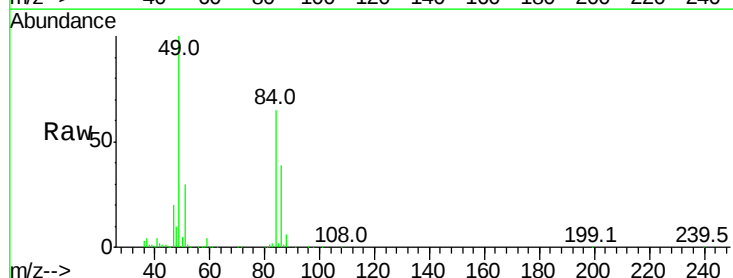
Ion Ratio Lower Upper

84 100

49 151.9 121.5 182.3

51 45.8 36.6 55.0

86 60.2 48.2 72.2

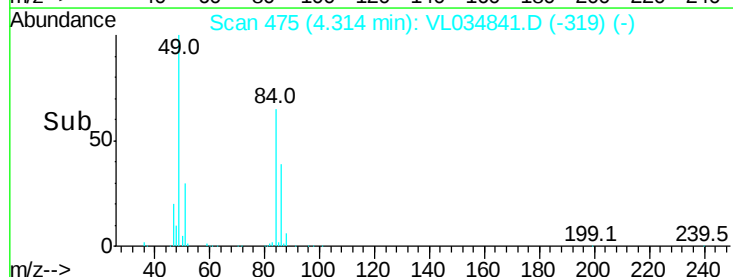
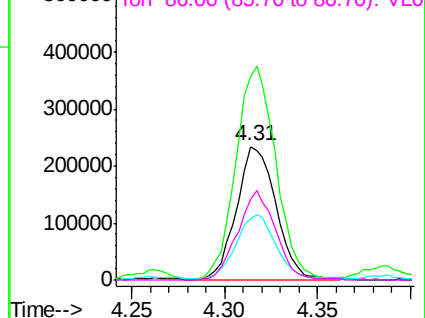


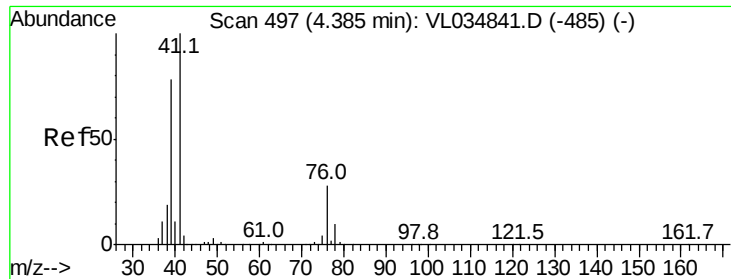
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

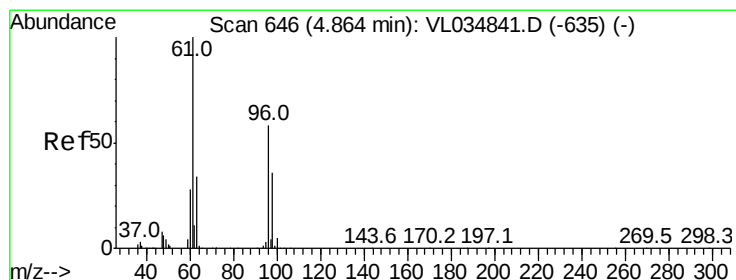
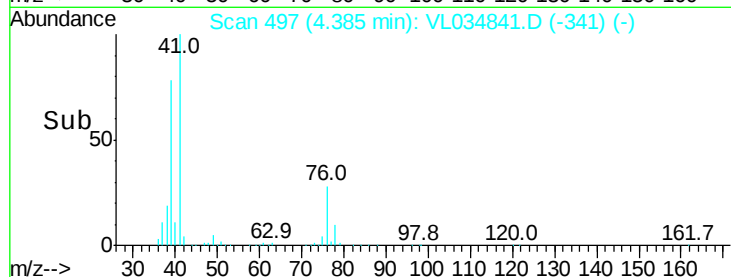
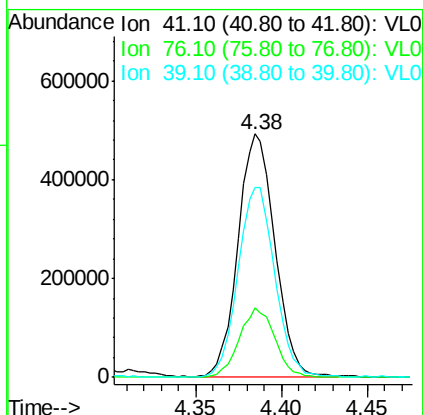
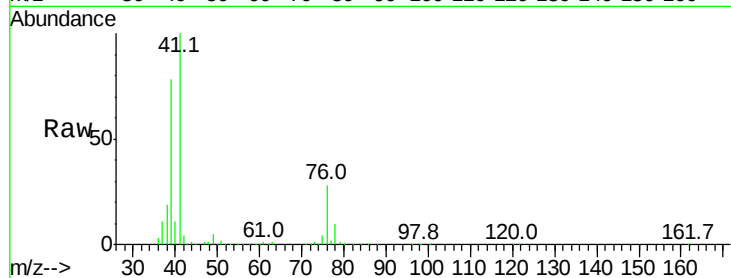




#21
 Allyl Chloride
 Concen: 10.154 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

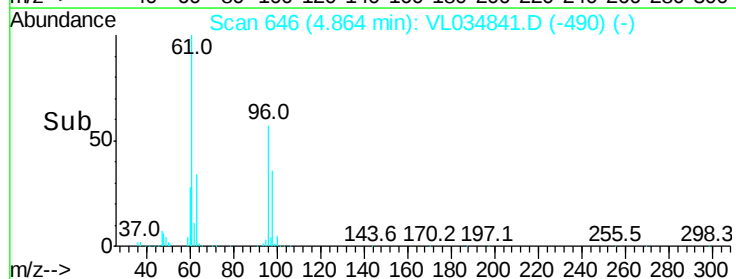
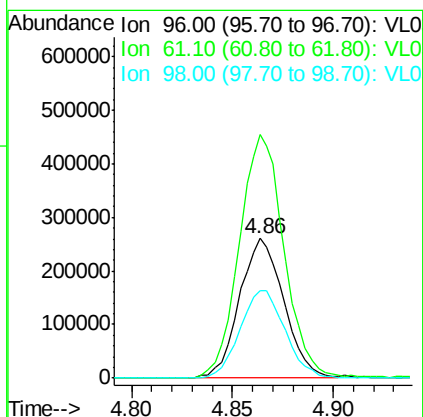
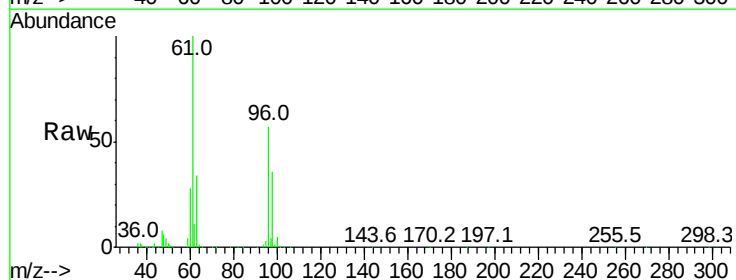
Instrument :
 MSVOA_L
 ClientSampleId :

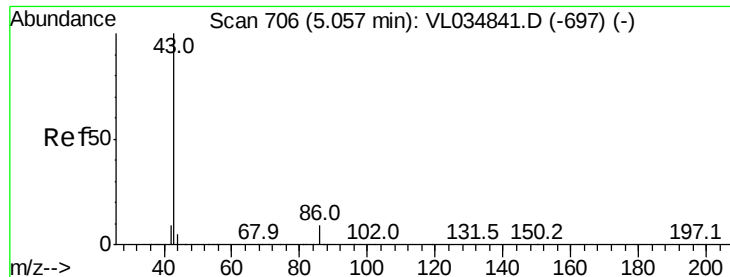
Tgt Ion: 41 Resp: 732006
 Ion Ratio Lower Upper
 41 100
 76 27.7 22.2 33.2
 39 78.2 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.736 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 96 Resp: 401478
 Ion Ratio Lower Upper
 96 100
 61 173.8 139.0 208.6
 98 62.9 50.3 75.5





#23

Vinyl Acetate

Concen: 11.194 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1708866

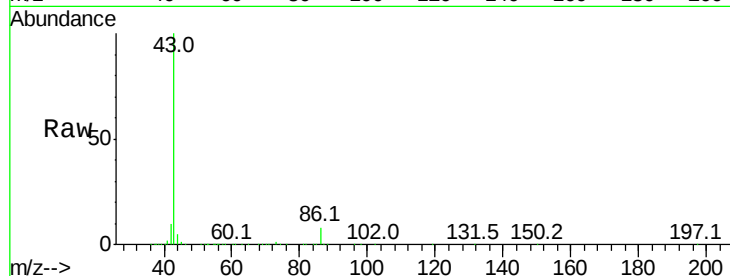
Ion Ratio Lower Upper

43 100

86 7.9 6.3 9.5

42 9.8 7.8 11.8

44 5.0 4.0 6.0

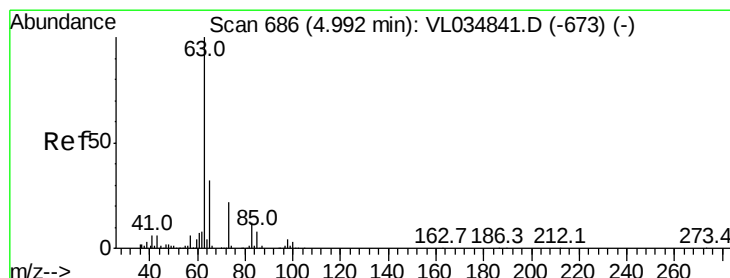
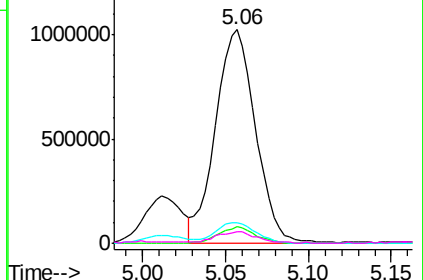
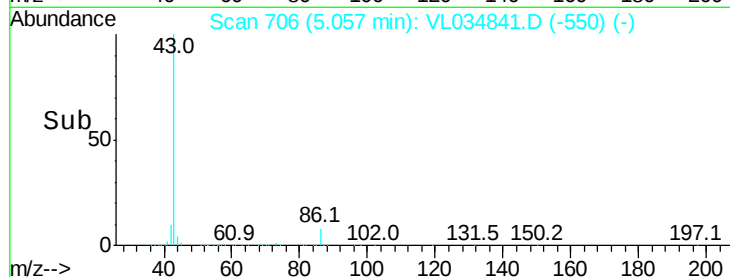


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.495 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

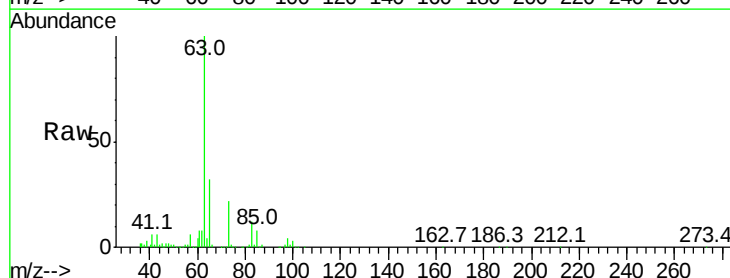
Tgt Ion: 63 Resp: 1124960

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

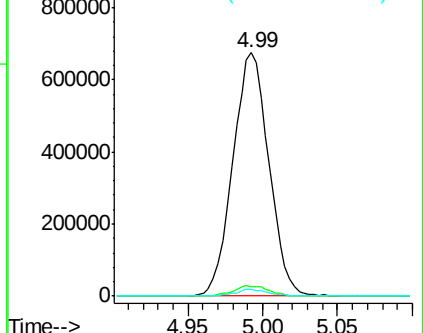
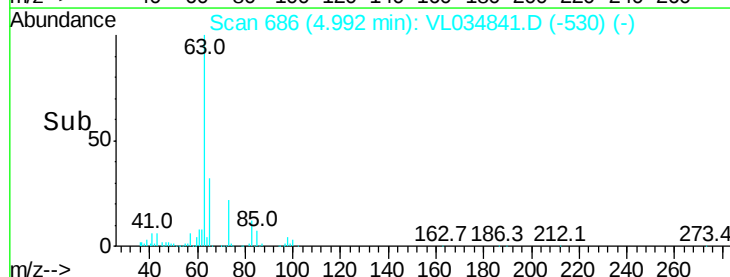
100 2.7 1.4 4.0

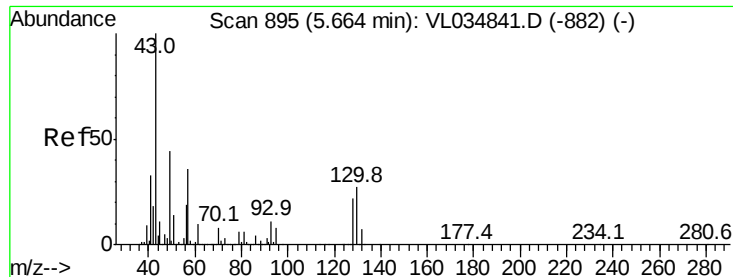


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



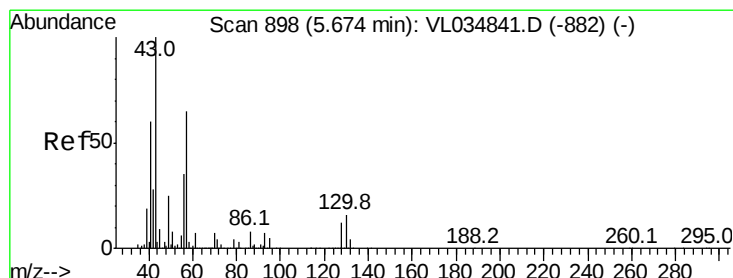
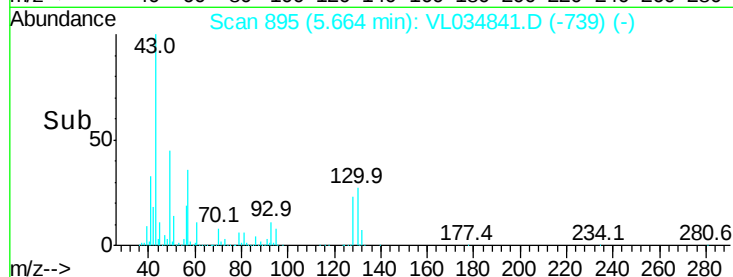
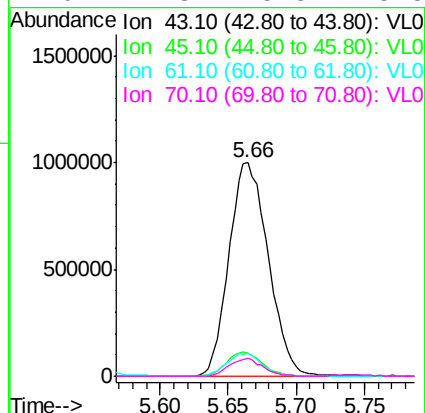
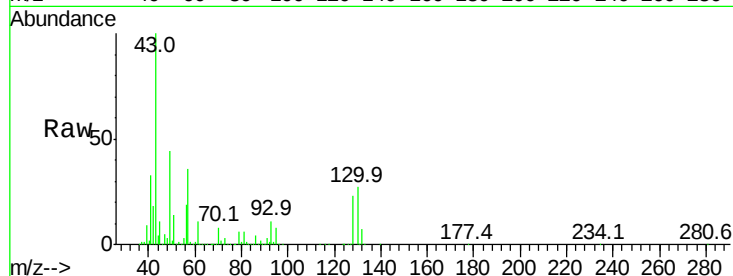


#25
Ethyl Acetate
Concen: 10.130 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1992774

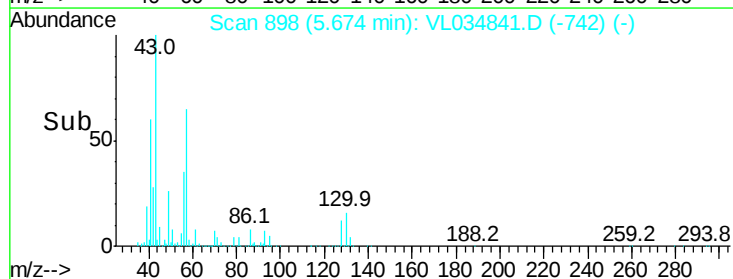
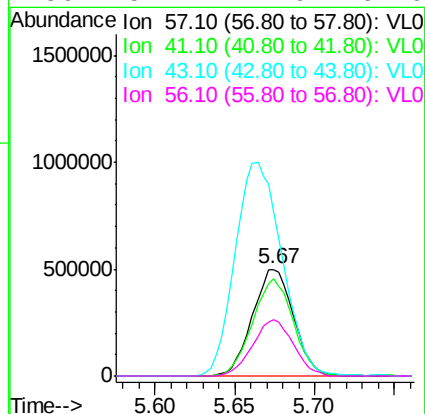
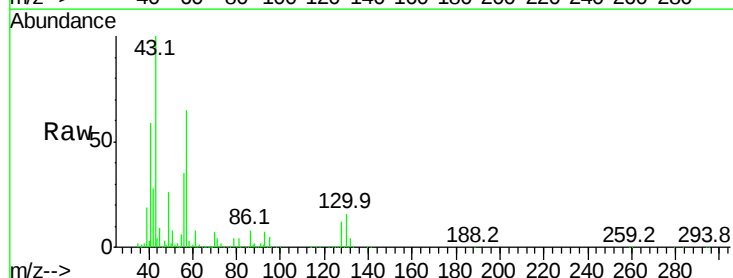
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.5	7.8	11.6
70	7.3	5.8	8.8

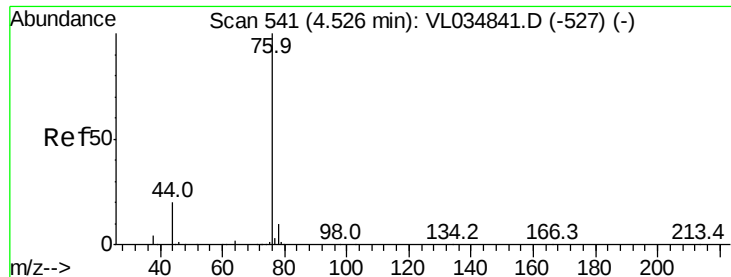


#26
Hexane
Concen: 10.231 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 57 Resp: 879290

Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.6	109.0
43	227.2	183.8	275.6
56	52.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.623 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

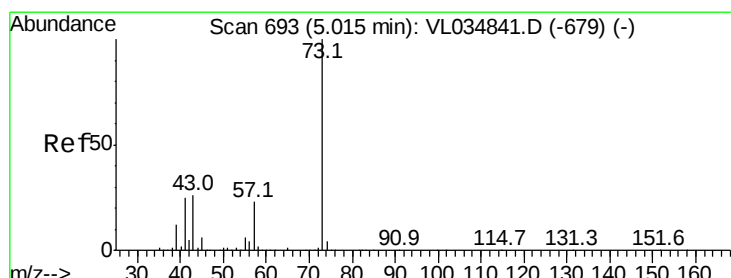
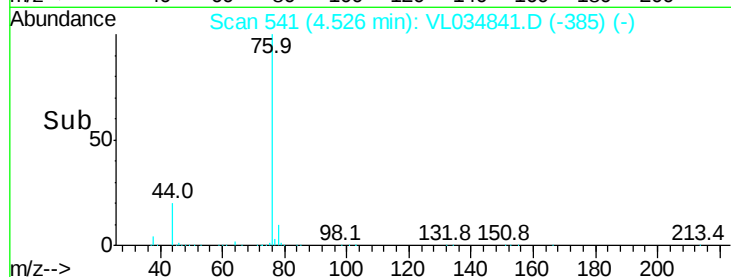
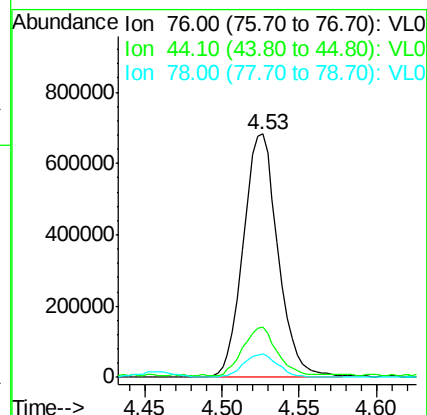
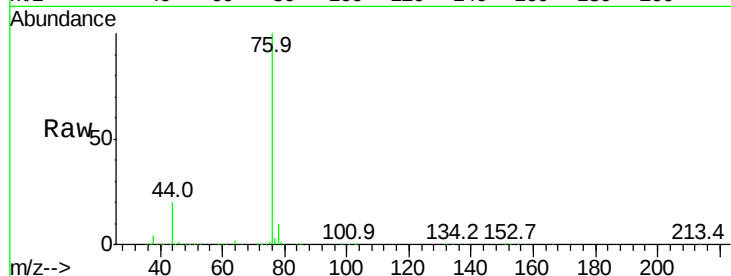
Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1066498

Ion	Ratio	Lower	Upper
76	100		
44	20.4	16.2	24.2
78	9.7	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 11.586 ppbv

RT: 5.01 min Scan# 693

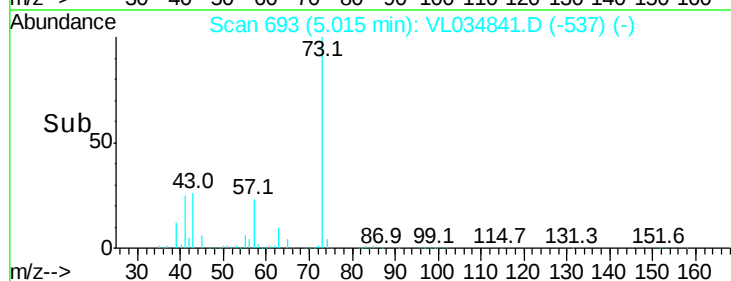
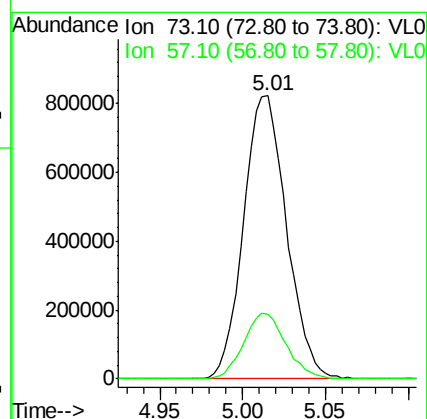
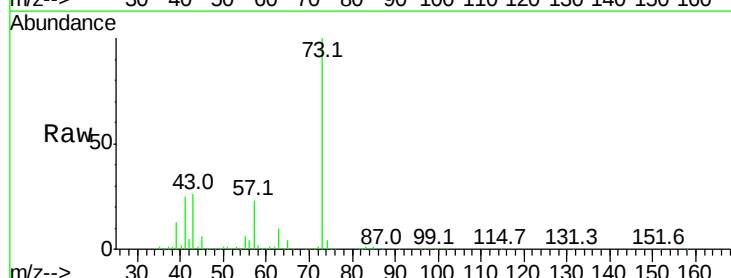
Delta R.T. 0.00 min

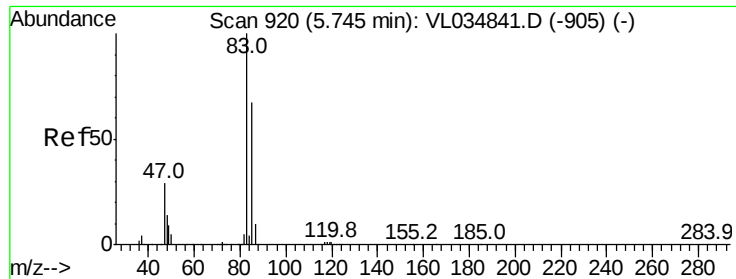
Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 73 Resp: 1482007

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

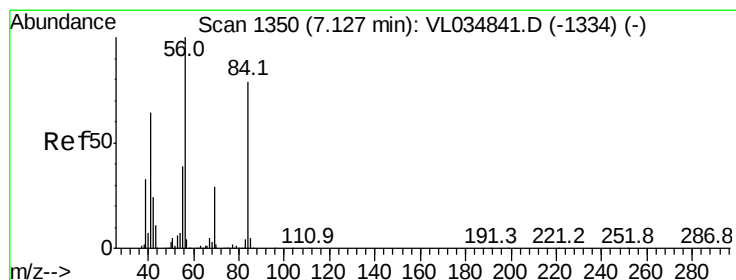
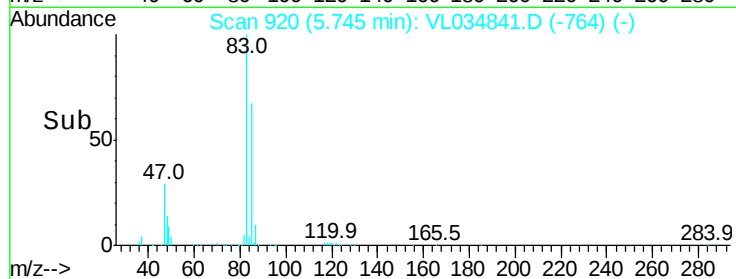
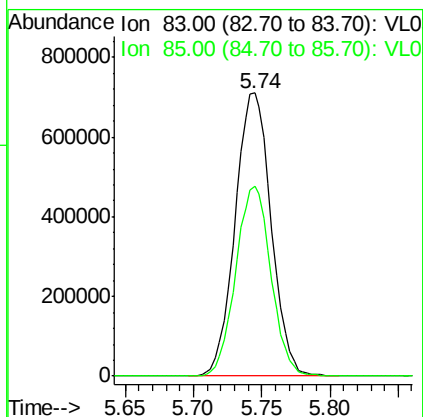
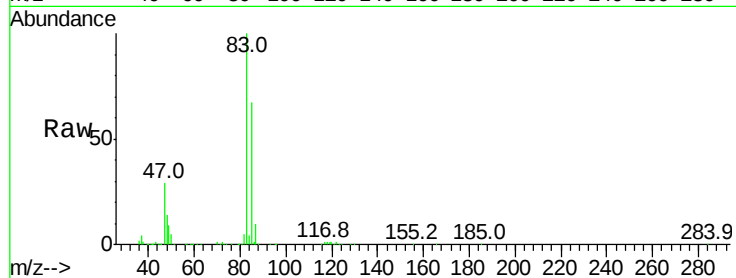




#29
Chloroform
Concen: 9.007 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

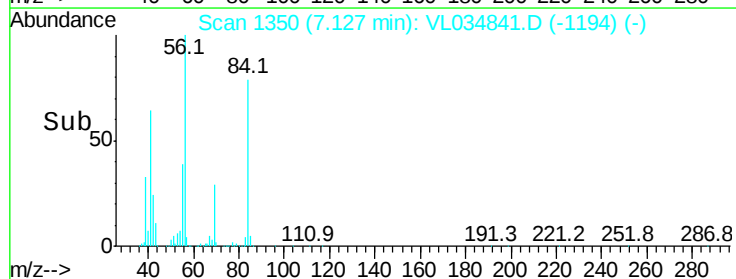
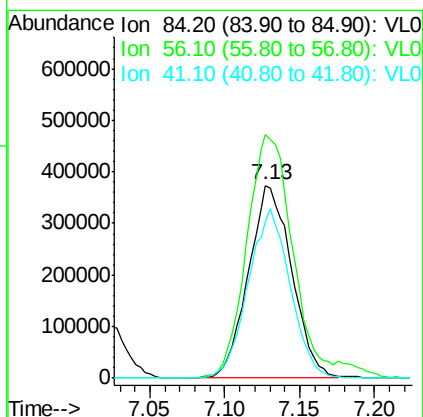
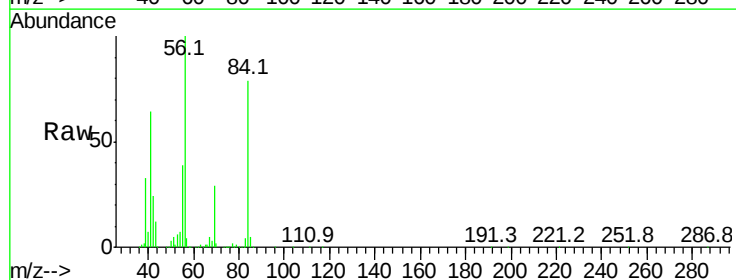
Instrument :
MSVOA_L
ClientSampleId :

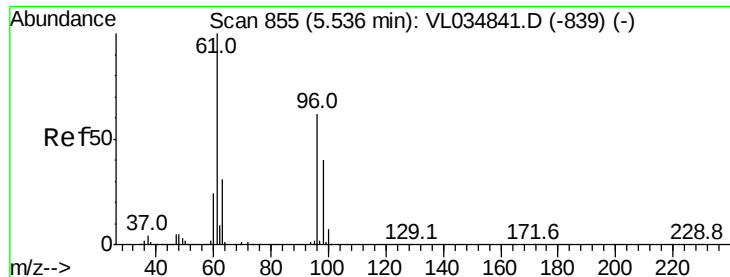
Tgt Ion: 83 Resp: 1303066
Ion Ratio Lower Upper
83 100
85 67.2 53.8 80.6



#30
Cyclohexane
Concen: 11.428 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 751354
Ion Ratio Lower Upper
84 100
56 138.2 110.5 165.7
41 85.3 68.2 102.4



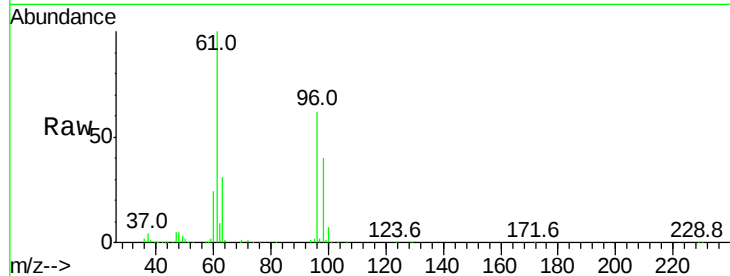


#31

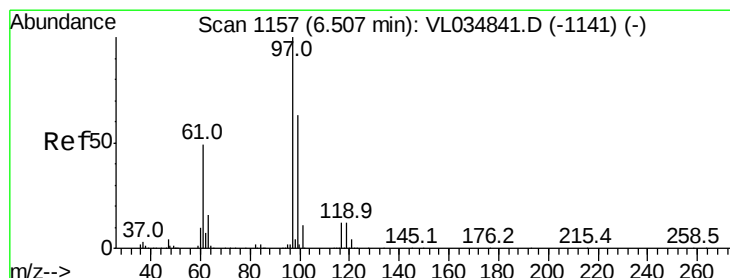
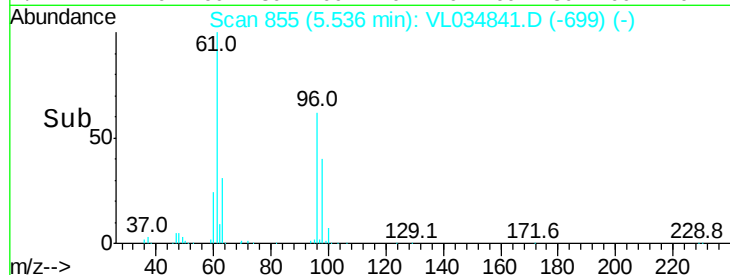
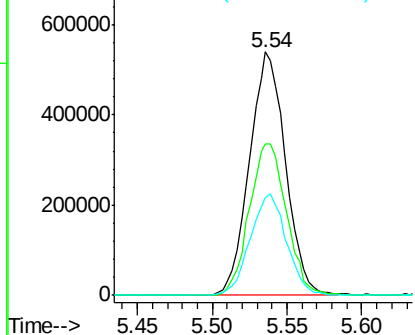
cis-1,2-Dichloroethene
 Concen: 10.287 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 61 Resp: 906803
 Ion Ratio Lower Upper
 61 100
 96 62.3 49.8 74.8
 98 40.3 32.2 48.4



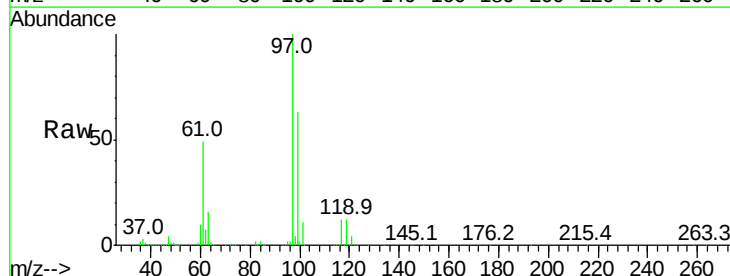
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



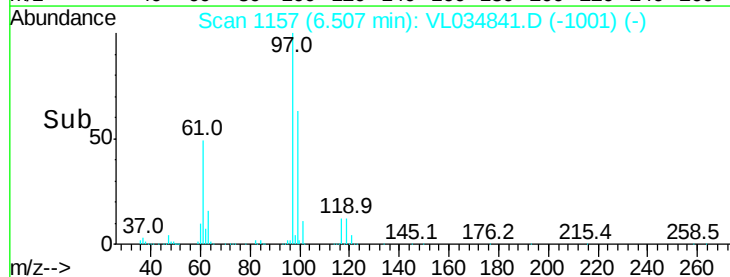
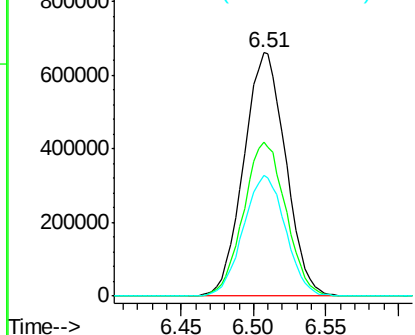
#32

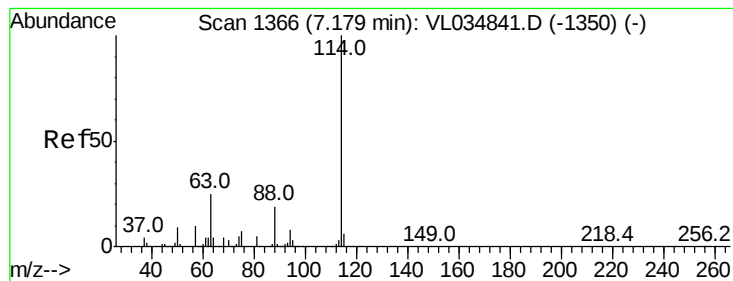
1,1,1-Trichloroethane
 Concen: 9.316 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 97 Resp: 1331762
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.1 76.7
 61 49.9 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

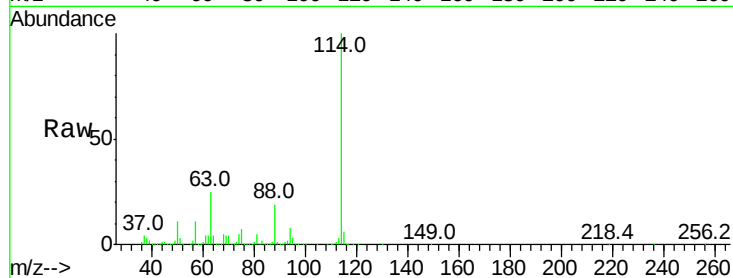
Tgt Ion:114 Resp: 2207975

Ion Ratio Lower Upper

114 100

63 25.8 20.6 31.0

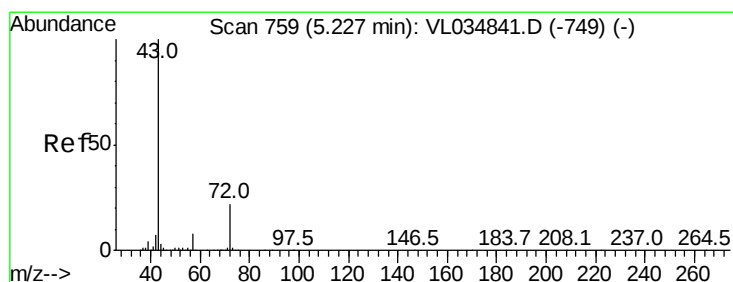
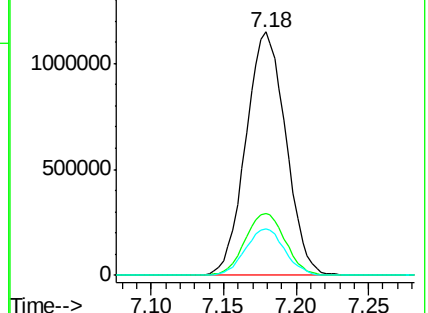
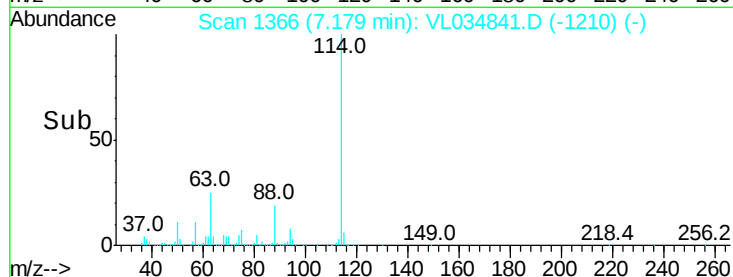
88 18.8 15.0 22.6



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: 9.189 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.00 min

Lab File: VL034841.D

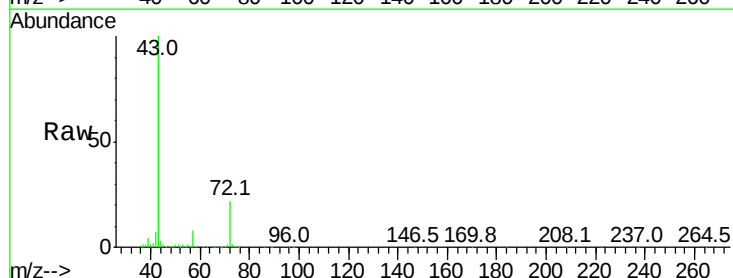
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1320024

Ion Ratio Lower Upper

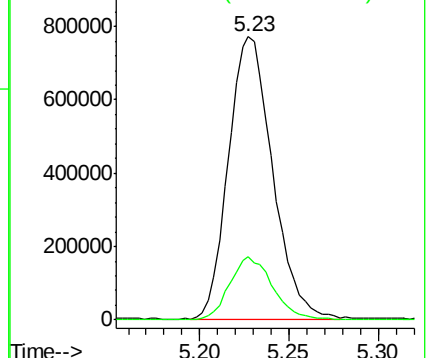
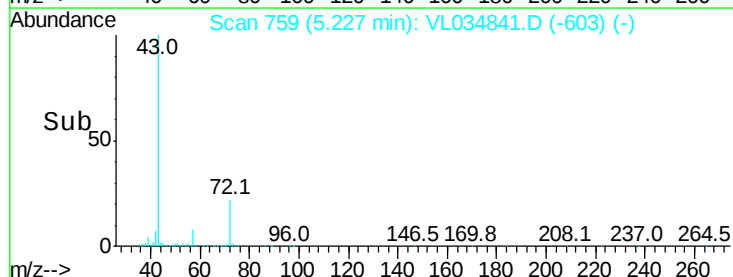
43 100

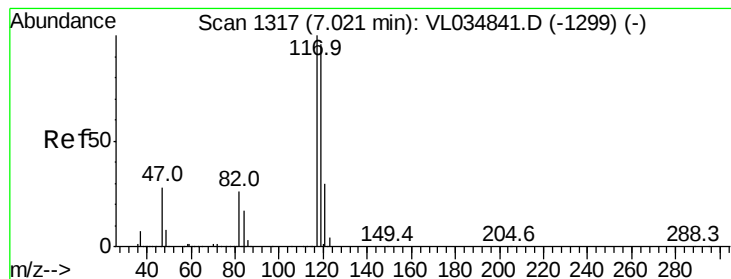
72 22.0 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.233 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

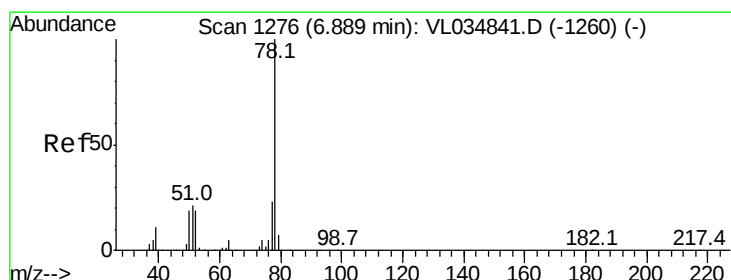
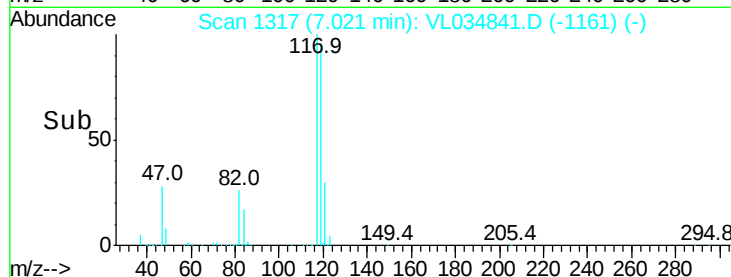
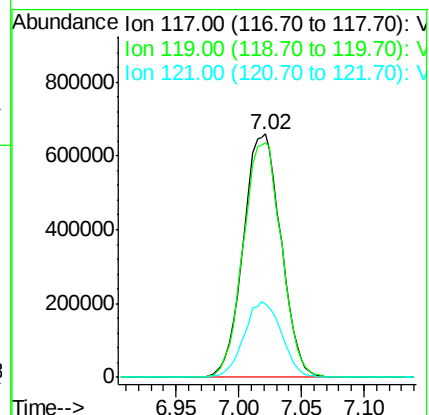
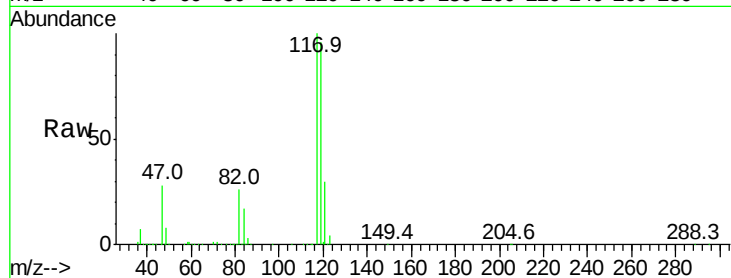
Tgt Ion:117 Resp: 1371726

Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4

121 30.0 24.0 36.0



#36

Benzene

Concen: 9.565 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

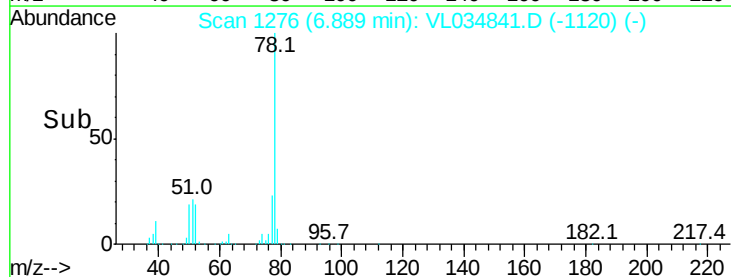
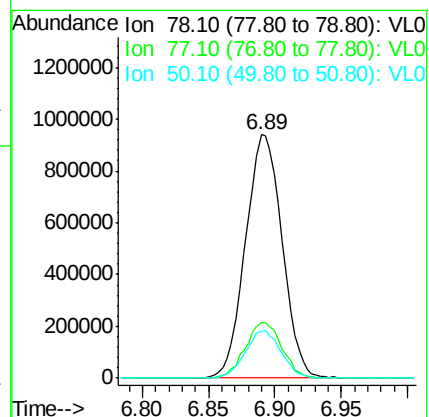
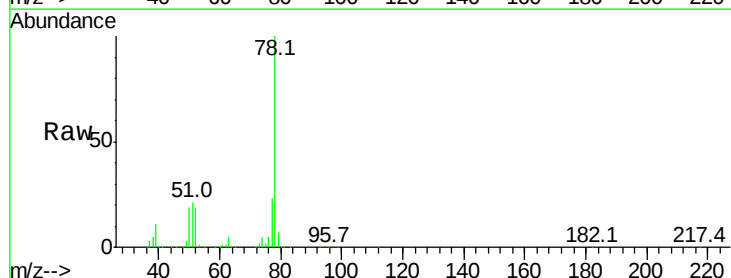
Tgt Ion: 78 Resp: 1804613

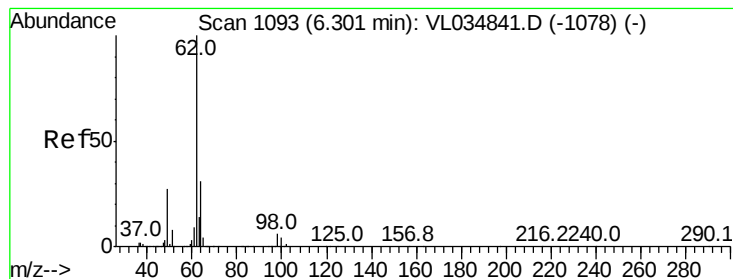
Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.2

50 19.0 15.2 22.8





#37

1,2-Dichloroethane

Concen: 7.985 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

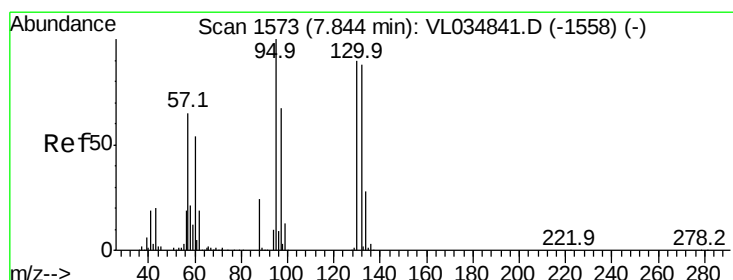
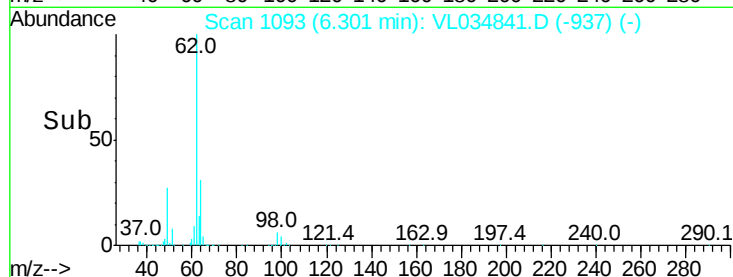
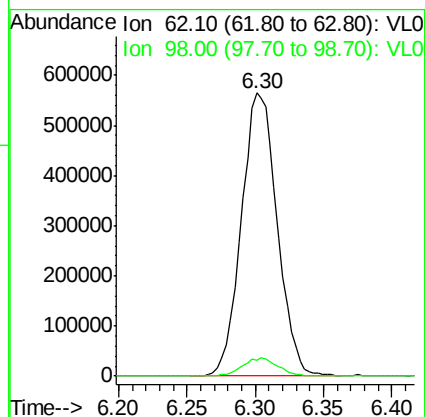
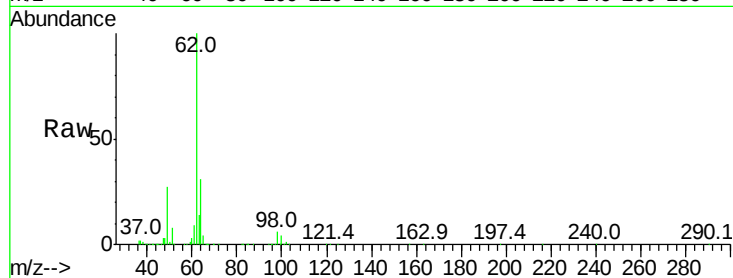
ClientSampleId :

Tgt Ion: 62 Resp: 1029103

Ion Ratio Lower Upper

62 100

98 6.5 5.2 7.8



#38

Trichloroethene

Concen: 9.353 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 130 Resp: 687795

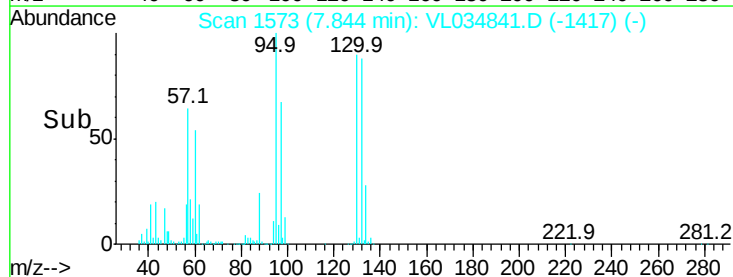
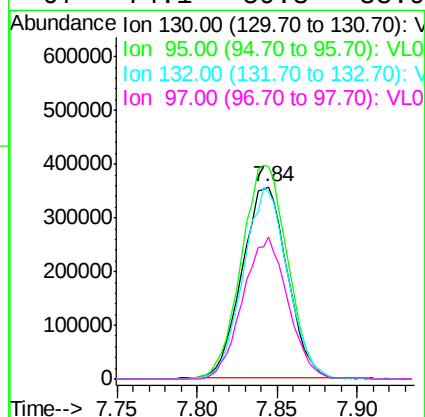
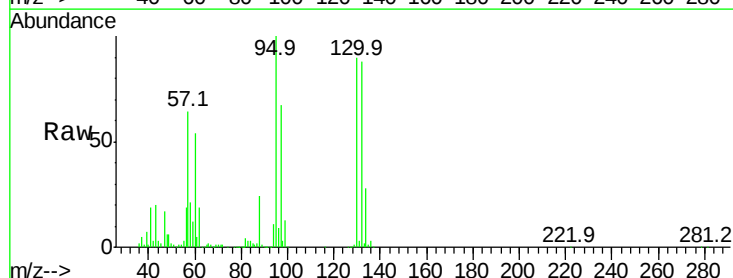
Ion Ratio Lower Upper

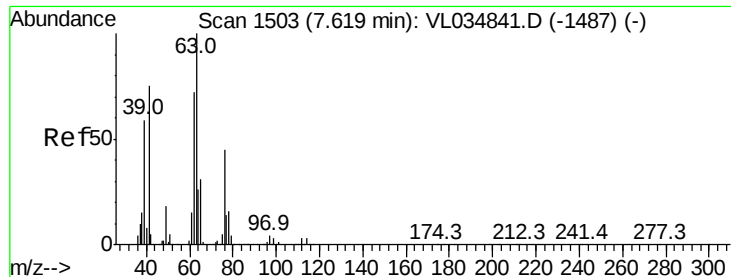
130 100

95 110.6 88.5 132.7

132 97.5 78.0 117.0

97 74.1 59.3 88.9

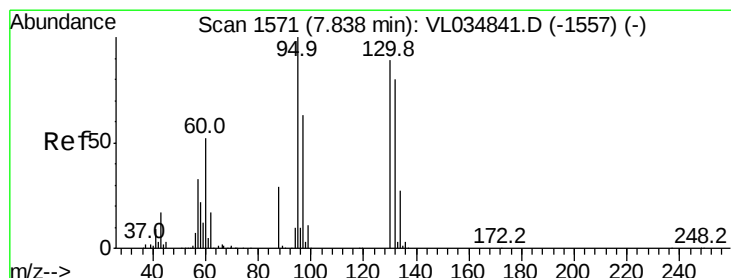
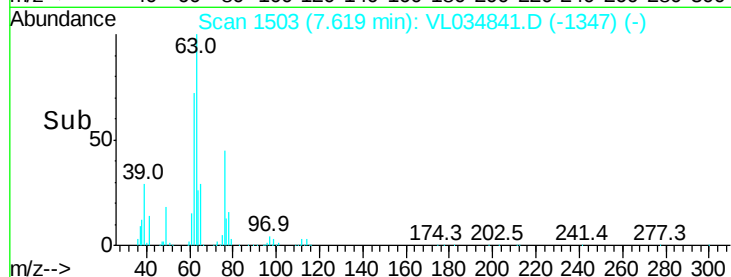
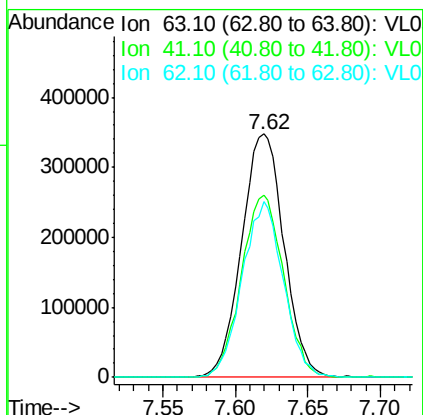
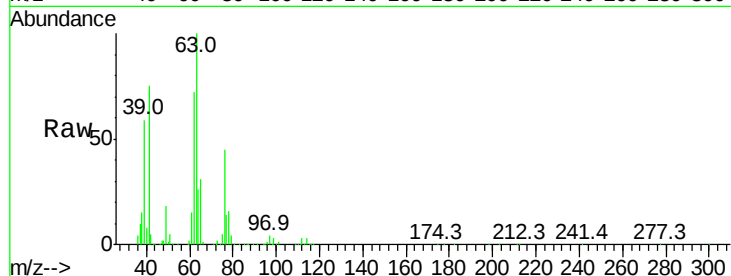




#39
 1,2-Dichloropropane
 Concen: 9.296 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

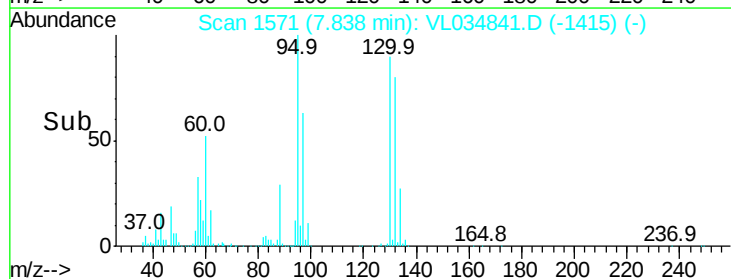
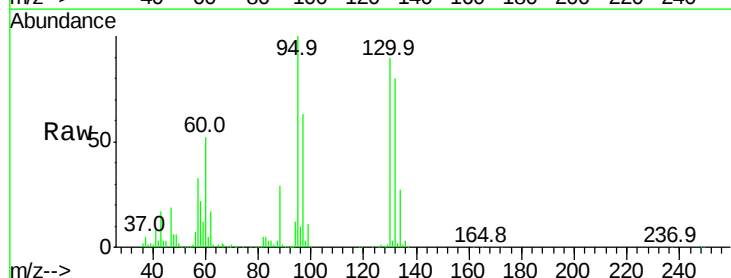
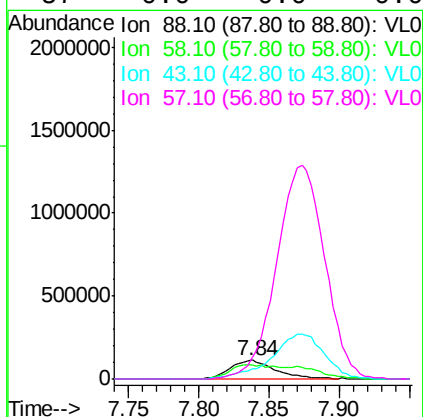
Instrument :
 MSVOA_L
 ClientSampleId :

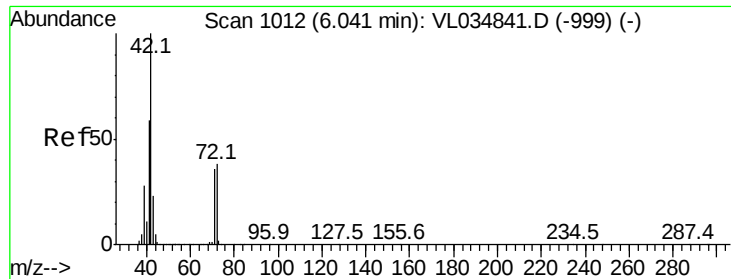
Tgt Ion	Ratio	Lower	Upper
63	100		
41	74.8	59.8	89.8
62	72.0	57.6	86.4



#40
 1,4-Dioxane
 Concen: 9.623 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.9	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.434 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

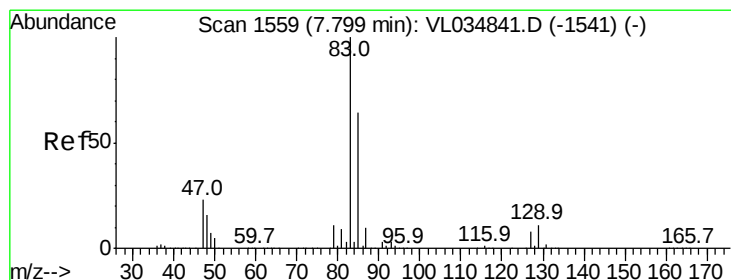
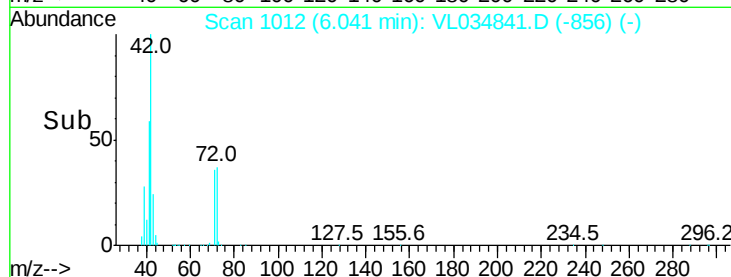
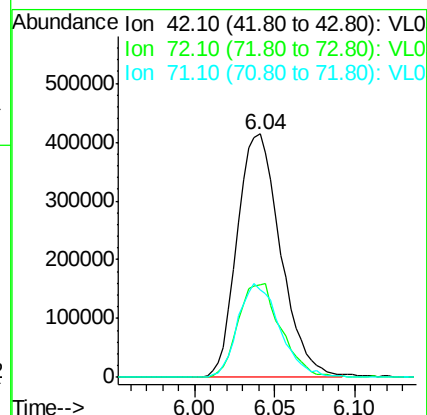
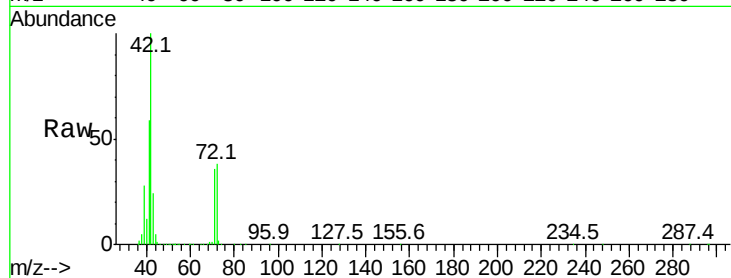
Tgt Ion: 42 Resp: 764766

Ion Ratio Lower Upper

42 100

72 38.3 30.8 46.2

71 37.5 30.1 45.1



#42

Bromodichloromethane

Concen: 8.906 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

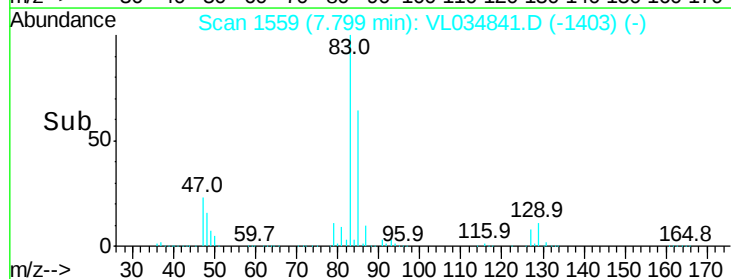
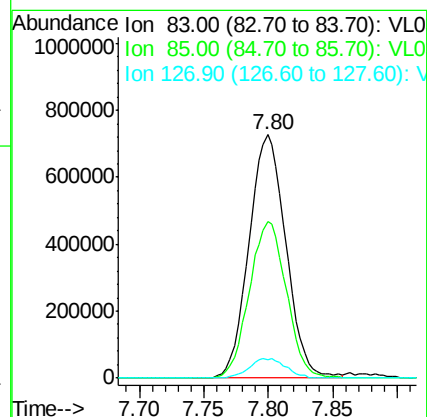
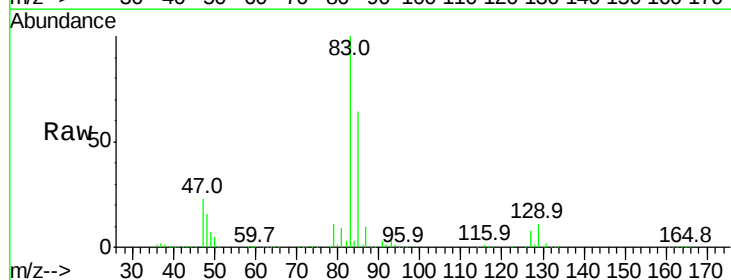
Tgt Ion: 83 Resp: 1452243

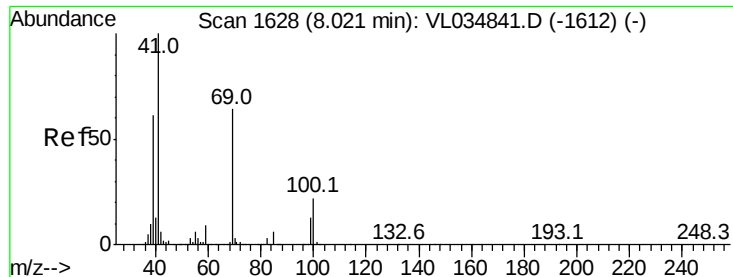
Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2

127 7.8 6.2 9.4

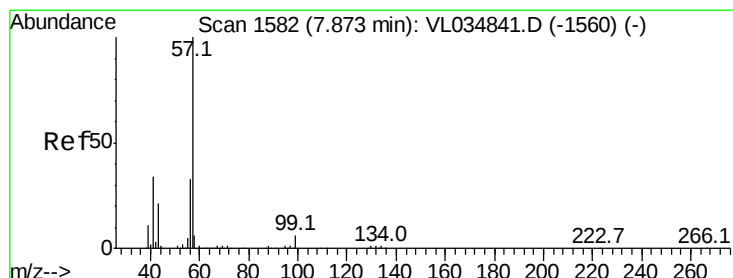
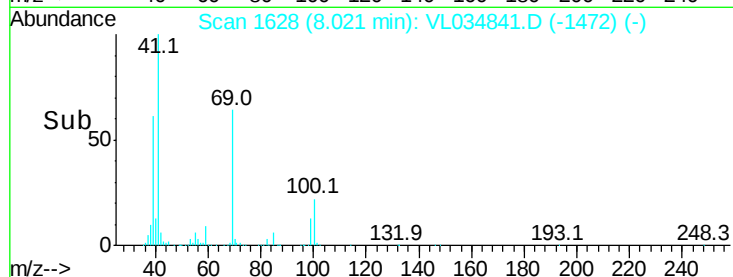
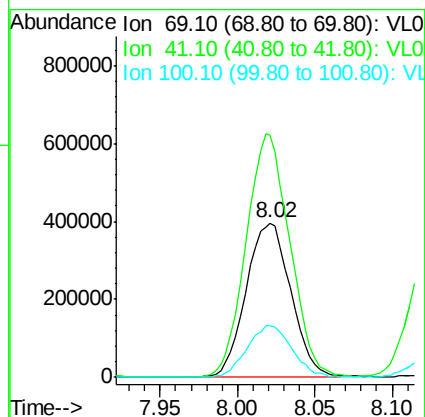
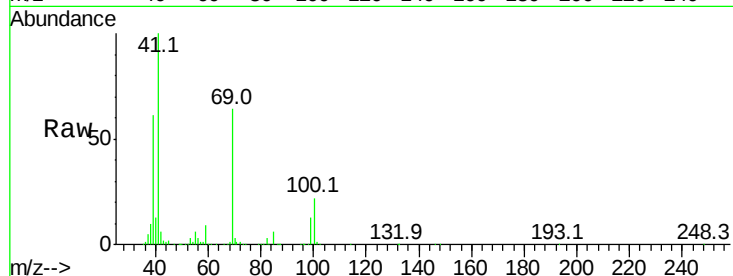




#43
Methyl Methacrylate
Concen: 9.980 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

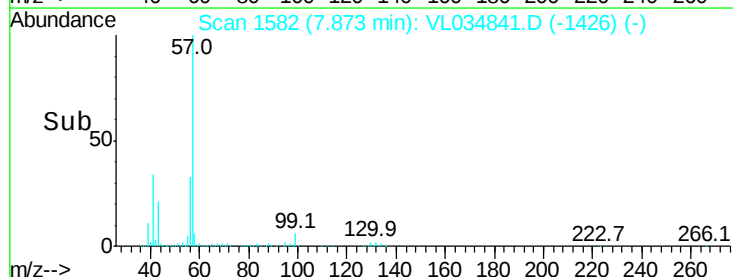
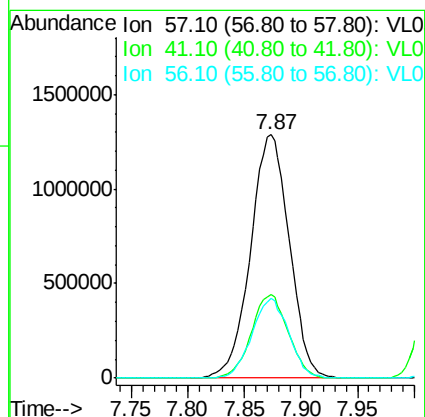
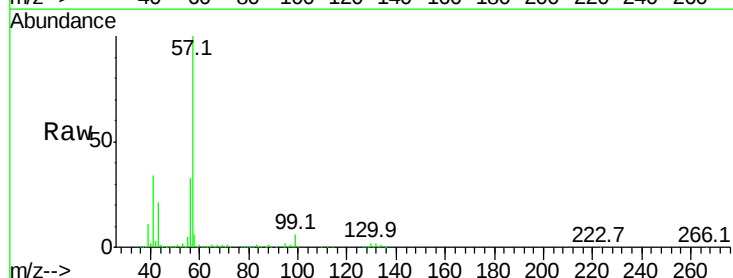
Instrument :
MSVOA_L
ClientSampleId :

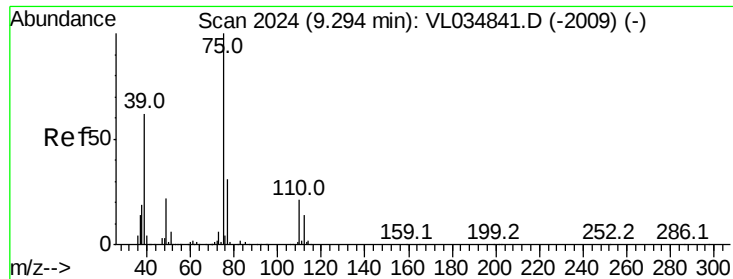
Tgt Ion: 69 Resp: 797938
Ion Ratio Lower Upper
69 100
41 154.0 123.2 184.8
100 33.6 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.295 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 57 Resp: 3064536
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.4
56 31.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.853 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

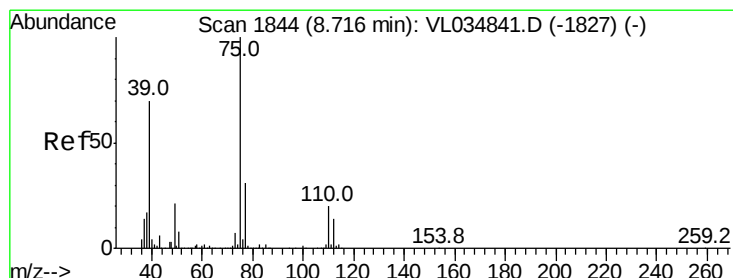
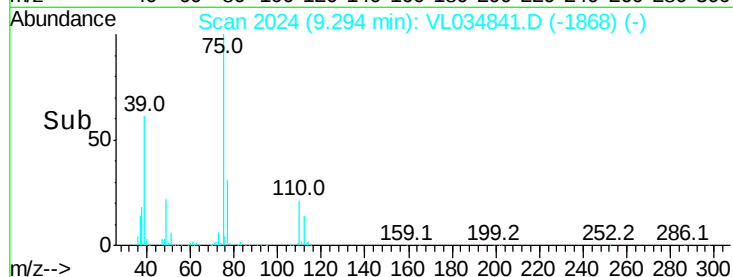
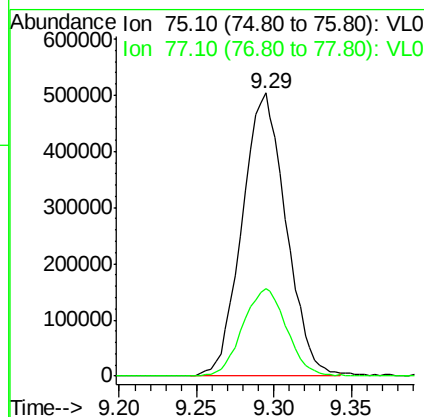
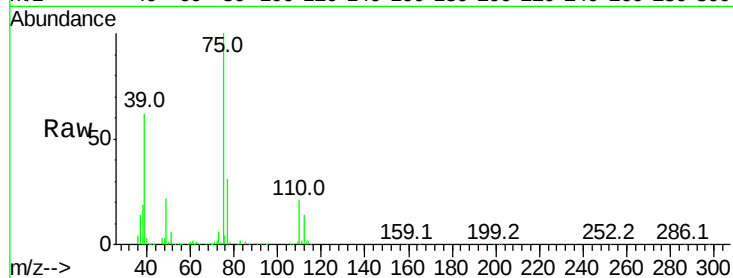
Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 994834

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0



#46

cis-1,3-Dichloropropene

Concen: 11.124 ppbv

RT: 8.72 min Scan# 1844

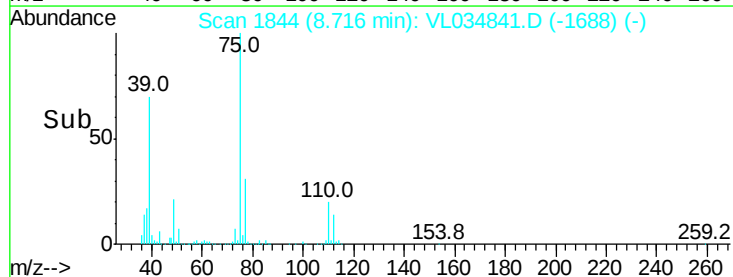
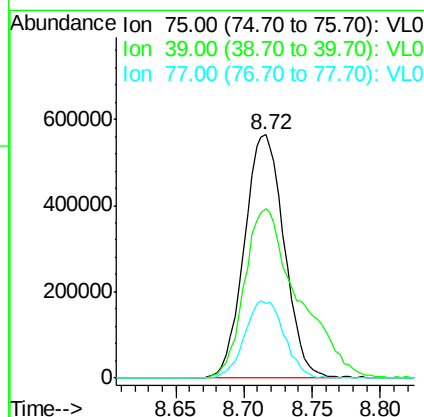
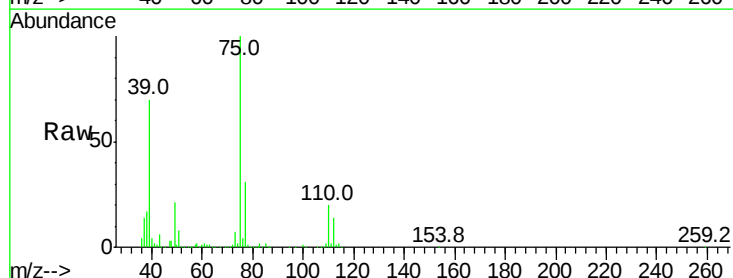
Delta R.T. 0.00 min

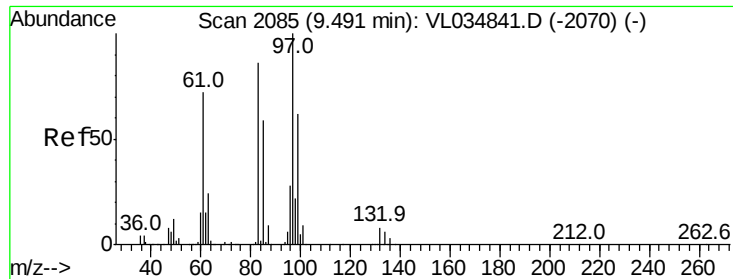
Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 75 Resp: 1140053

Ion	Ratio	Lower	Upper
75	100		
39	69.6	55.7	83.5
77	30.9	24.7	37.1

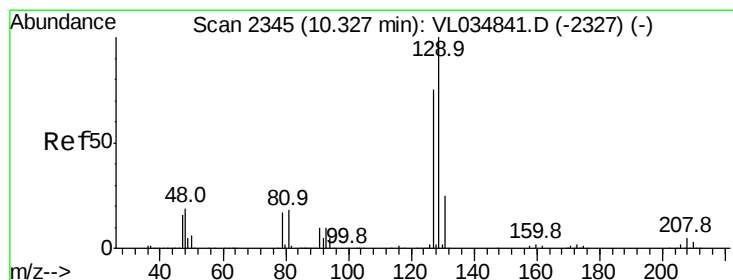
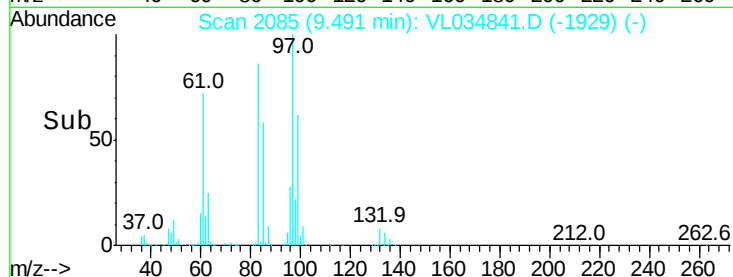
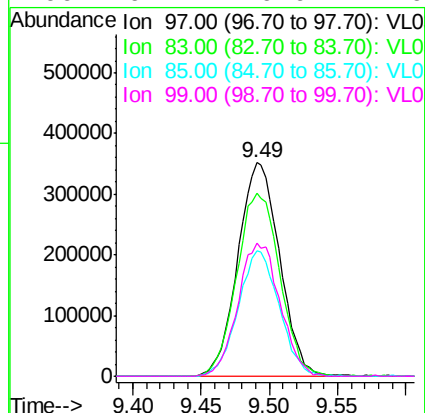
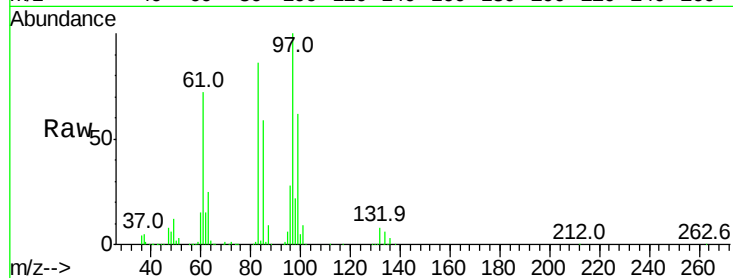




#47
 1,1,2-Trichloroethane
 Concen: 9.245 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

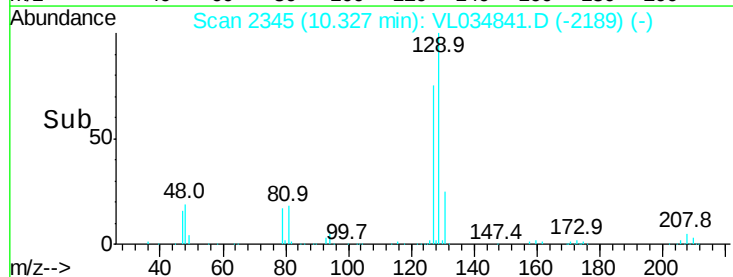
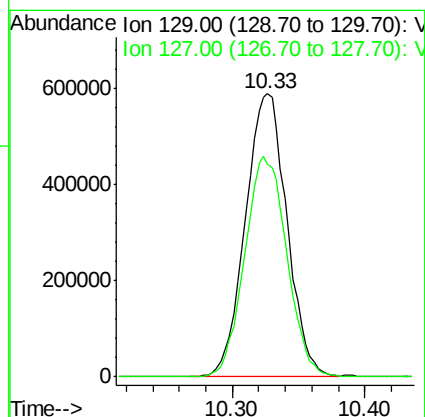
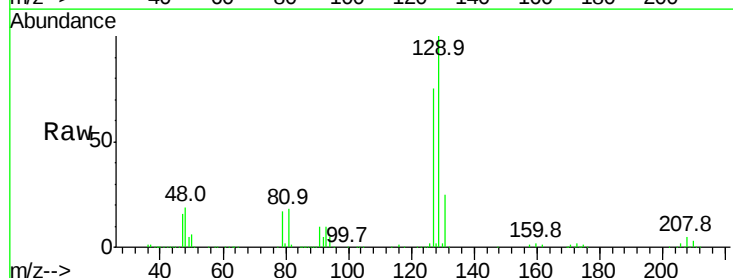
Instrument :
 MSVOA_L
 ClientSampleId :

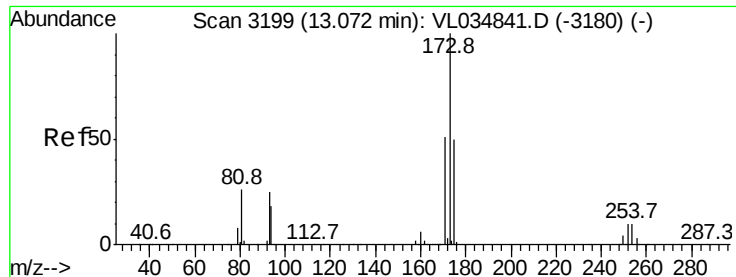
Tgt Ion: 97 Resp: 743203
 Ion Ratio Lower Upper
 97 100
 83 85.7 68.6 102.8
 85 58.6 46.9 70.3
 99 62.4 49.9 74.9



#48
 Dibromochloromethane
 Concen: 10.195 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 129 Resp: 1281607
 Ion Ratio Lower Upper
 129 100
 127 79.2 39.6 118.7





#49

Bromoform

Concen: 10.835 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

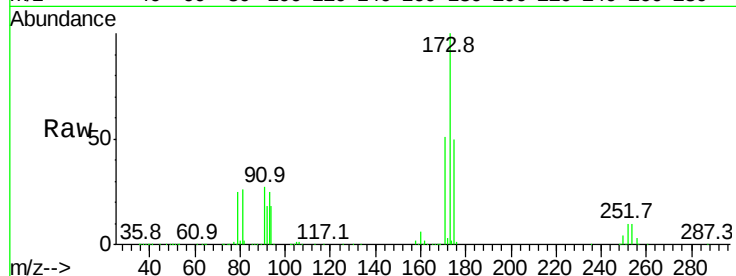
Tgt Ion:173 Resp: 1188493

Ion Ratio Lower Upper

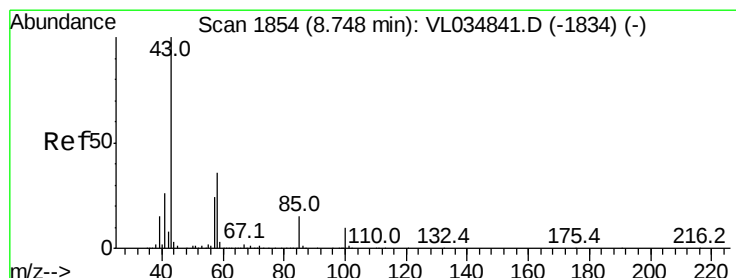
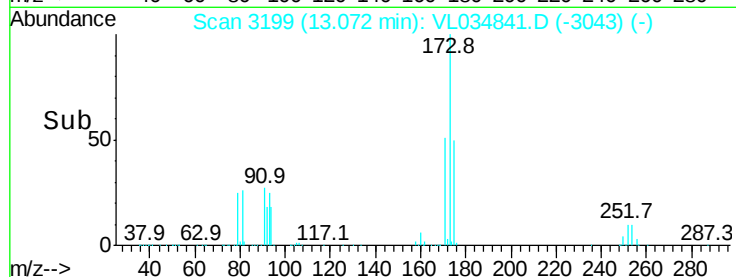
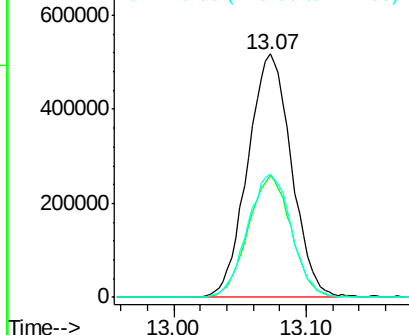
173 100

175 49.5 39.6 59.4

171 51.3 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: 9.620 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034841.D

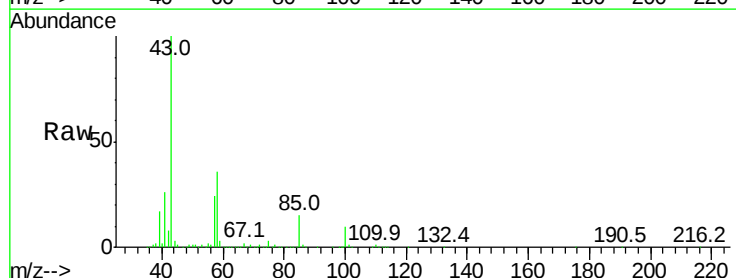
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1980080

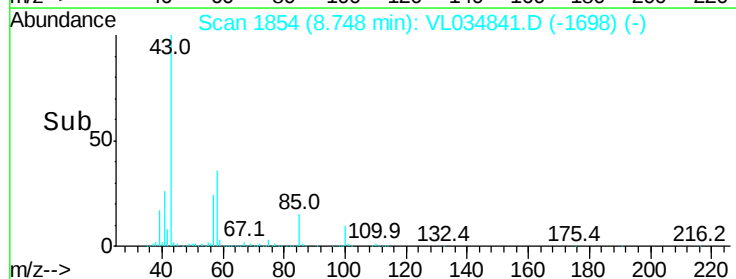
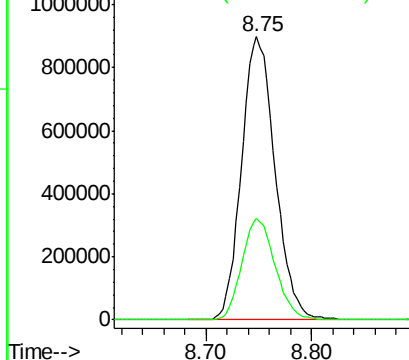
Ion Ratio Lower Upper

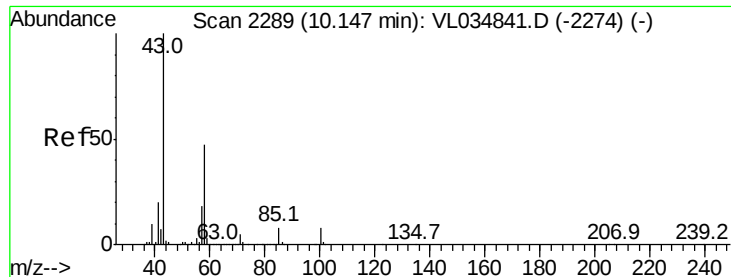
43 100

58 35.7 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: 10.239 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampled :

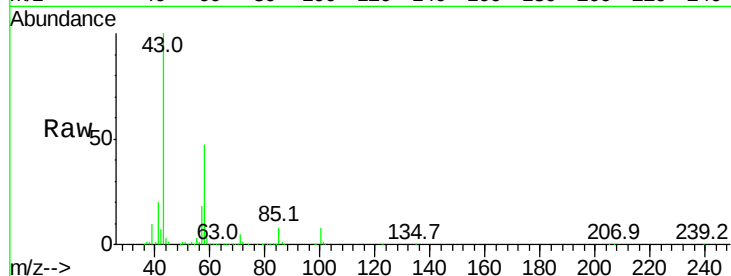
Tgt Ion: 43 Resp: 1653162

Ion Ratio Lower Upper

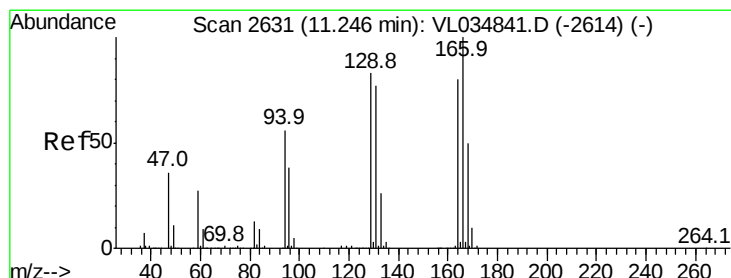
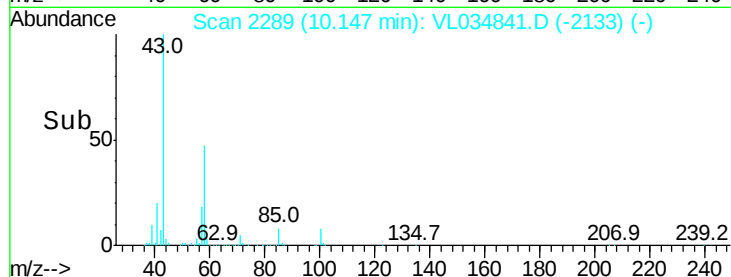
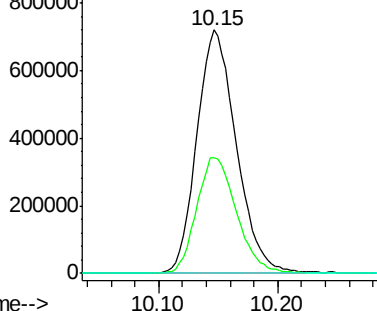
43 100

58 48.3 38.6 58.0

98 0.1 0.1 0.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.802 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 164 Resp: 683276

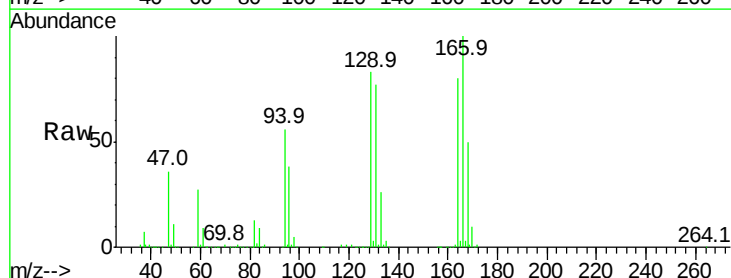
Ion Ratio Lower Upper

164 100

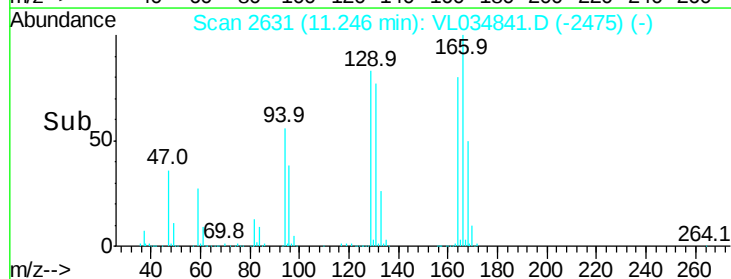
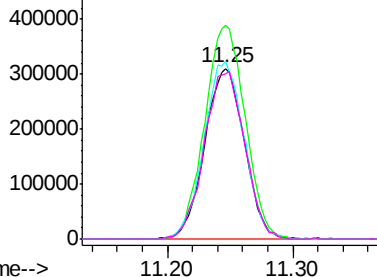
166 125.0 100.0 150.0

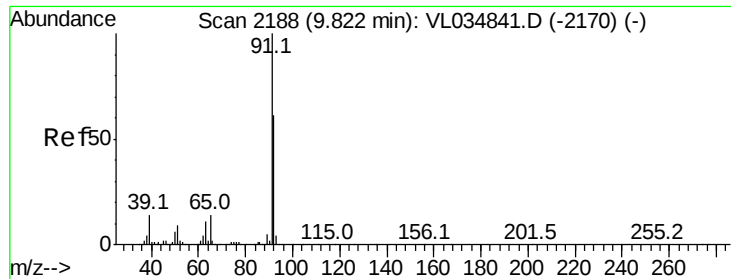
129 103.9 83.1 124.7

131 96.5 77.2 115.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.634 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

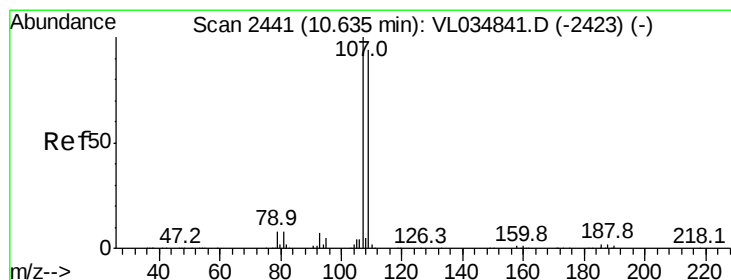
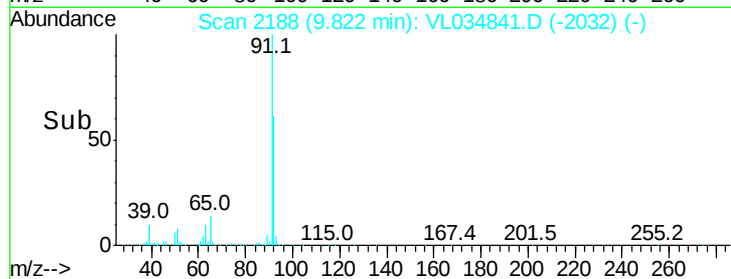
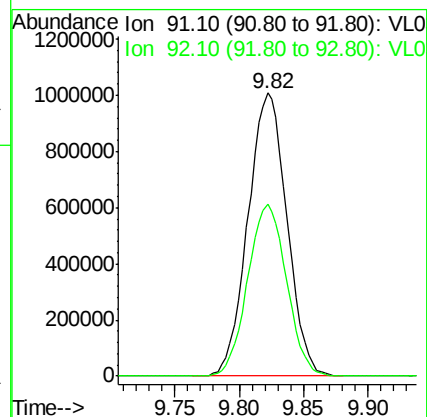
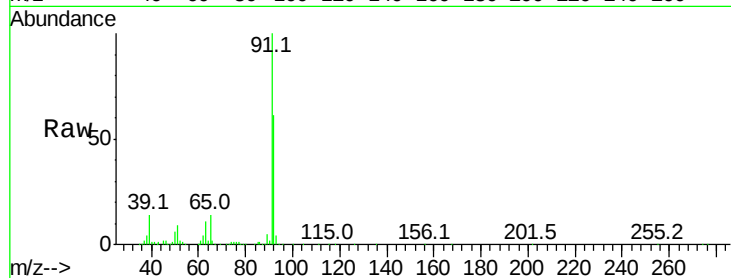
ClientSampleId :

Tgt Ion: 91 Resp: 2123425

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.606 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL034841.D

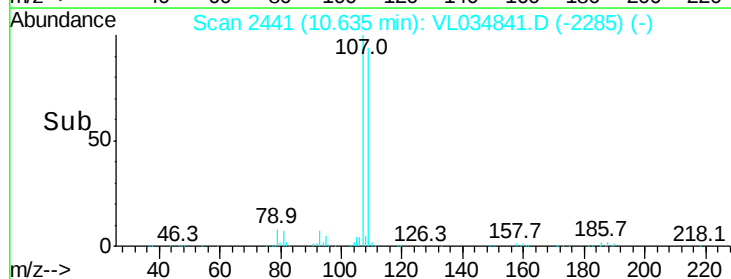
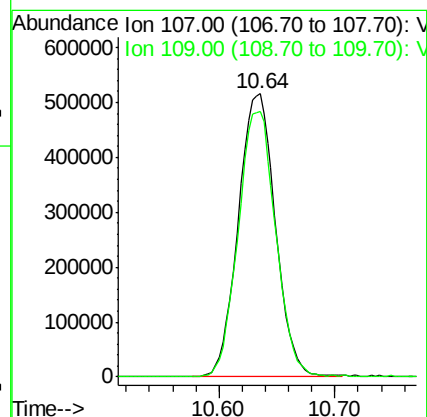
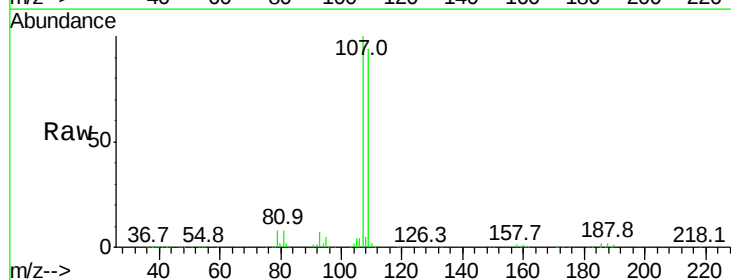
Acq: 9 Mar 2020 11:29

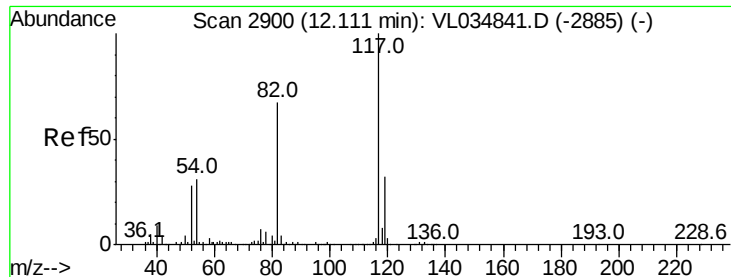
Tgt Ion: 107 Resp: 1141798

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3

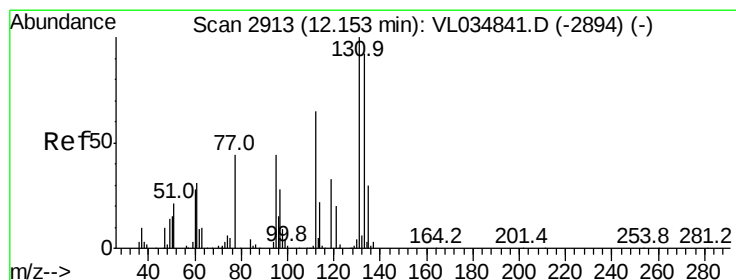
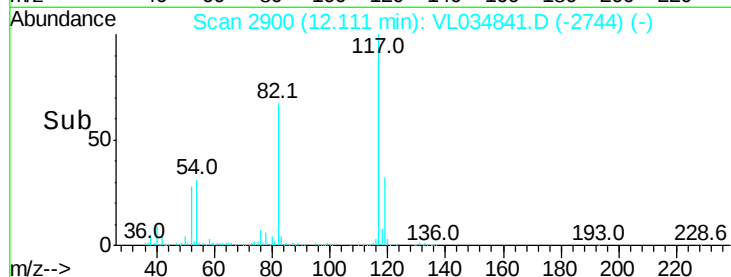
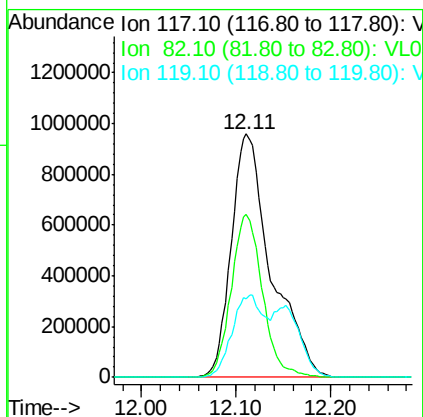
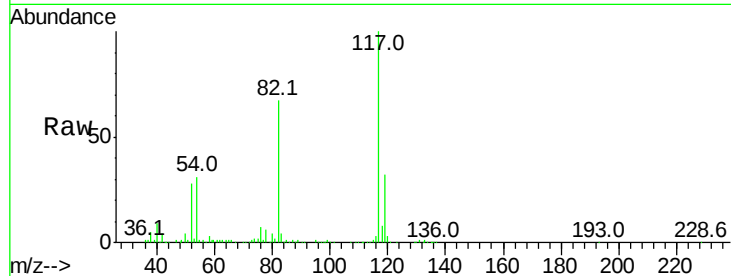




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

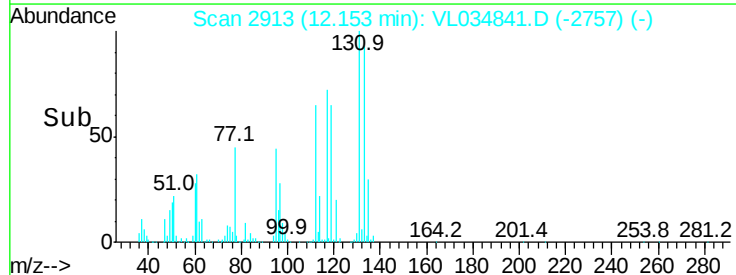
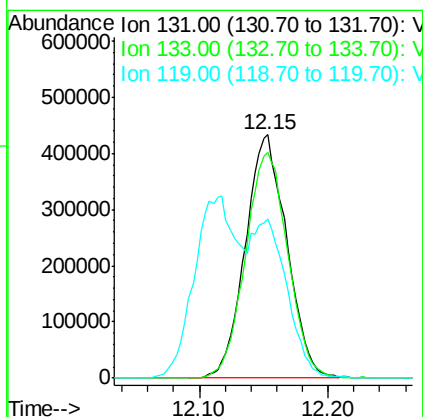
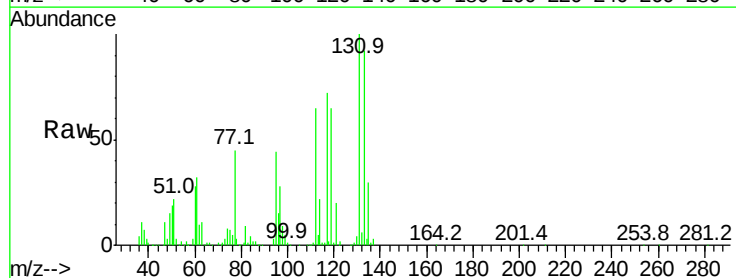
Instrument :
MSVOA_L
ClientSampleId :

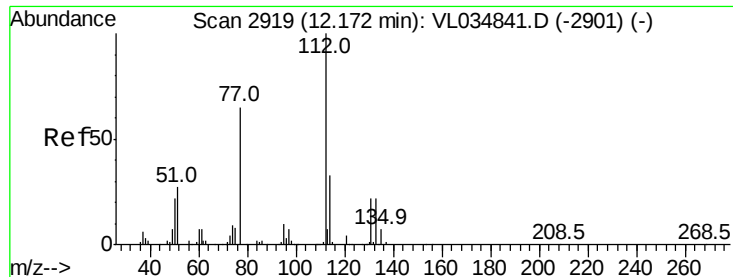
Tgt Ion:117 Resp: 2808983
Ion Ratio Lower Upper
117 100
82 52.9 51.1 76.7
119 26.6 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.786 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:131 Resp: 969004
Ion Ratio Lower Upper
131 100
133 94.9 76.0 114.0
119 55.7 47.8 71.8

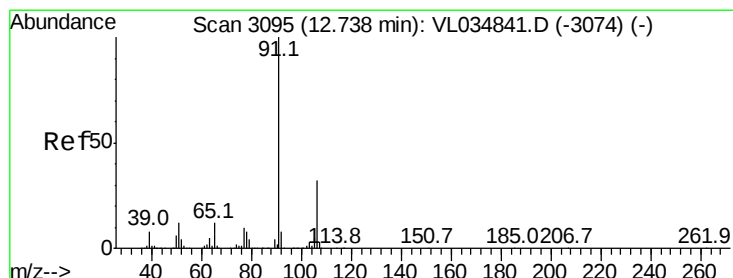
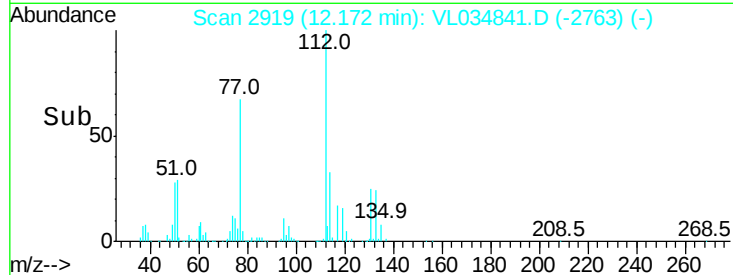
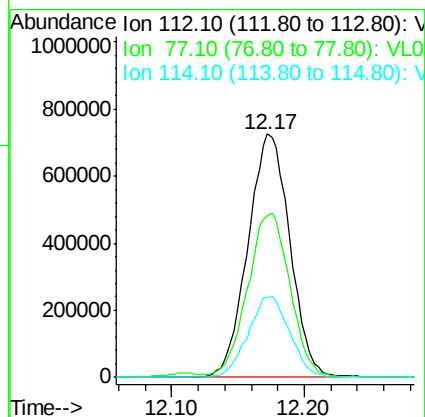
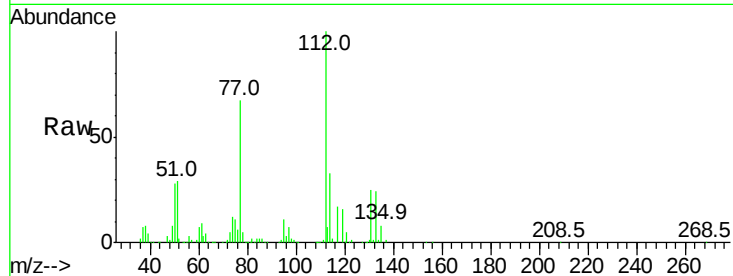




#57
Chlorobenzene
Concen: 7.434 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

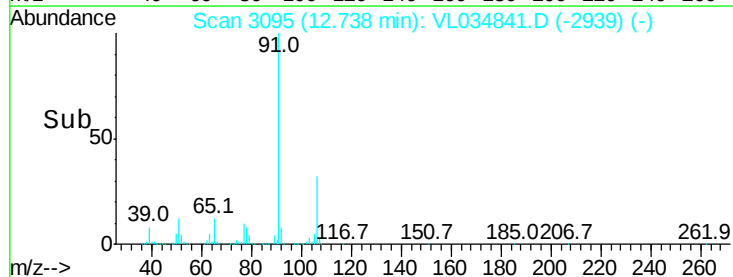
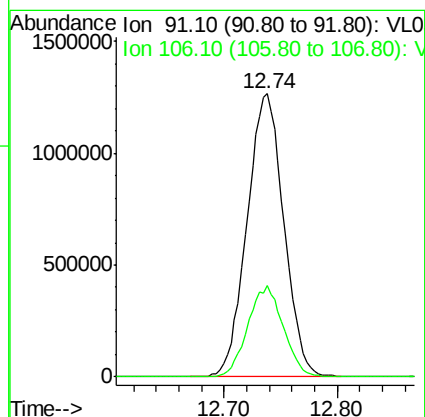
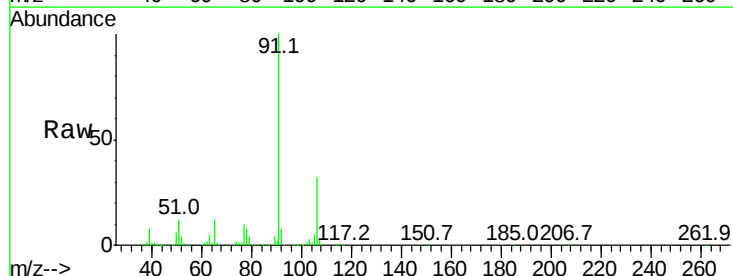
Instrument :
MSVOA_L
ClientSampleId :

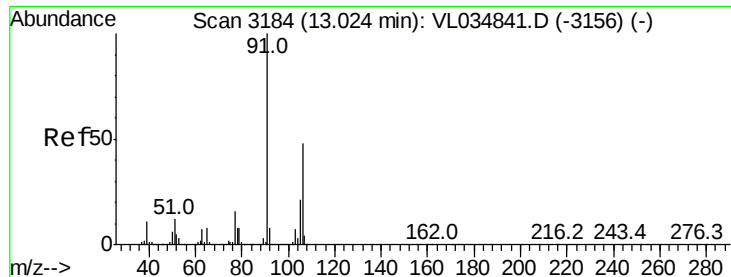
Tgt Ion: 112 Resp: 1595175
Ion Ratio Lower Upper
112 100
77 66.3 53.0 79.6
114 32.8 29.5 36.1



#58
Ethyl Benzene
Concen: 8.250 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 2855935
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.6

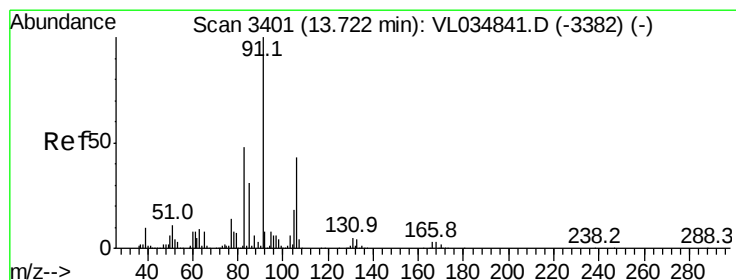
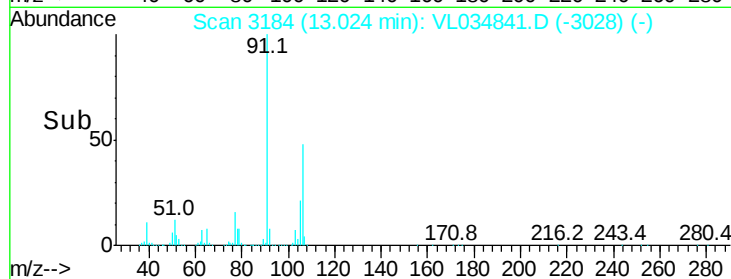
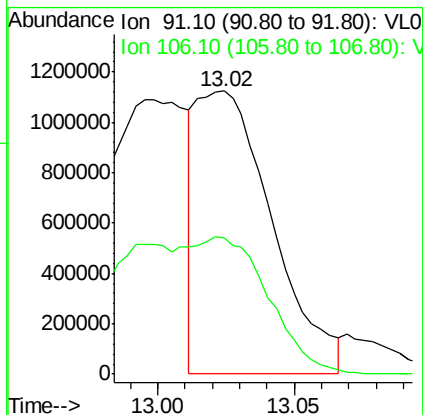
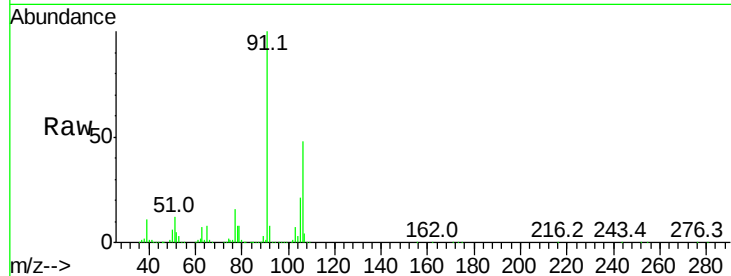




#59
m/p-Xylene
Concen: 7.154 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

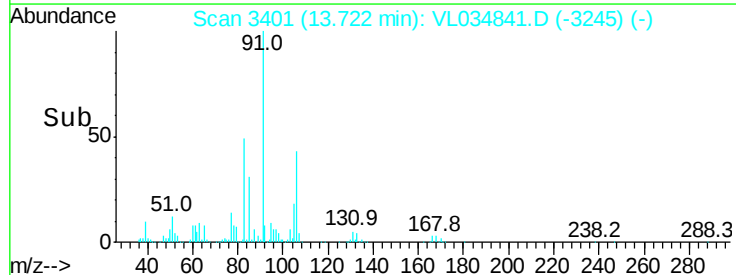
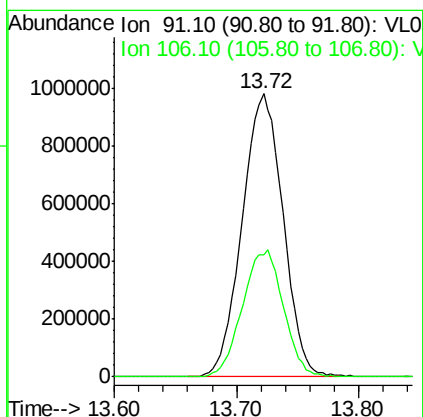
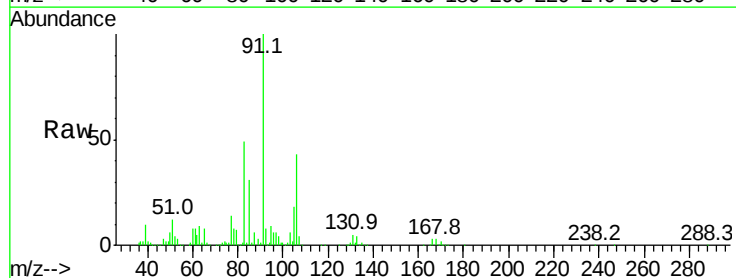
Instrument :
MSVOA_L
ClientSampleId :

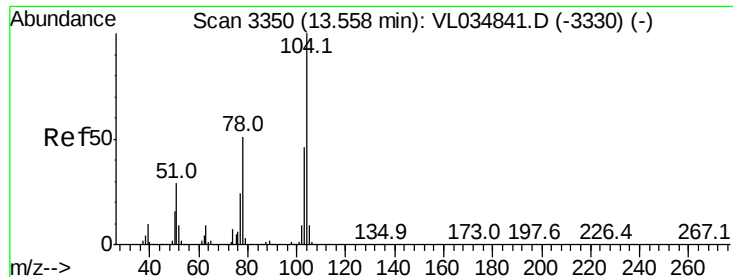
Tgt Ion: 91 Resp: 2143765
Ion Ratio Lower Upper
91 100
106 100.2 37.1 55.7#



#60
o-Xylene
Concen: 7.510 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 2276835
Ion Ratio Lower Upper
91 100
106 45.0 22.5 67.5





#61

Styrene

Concen: 9.204 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

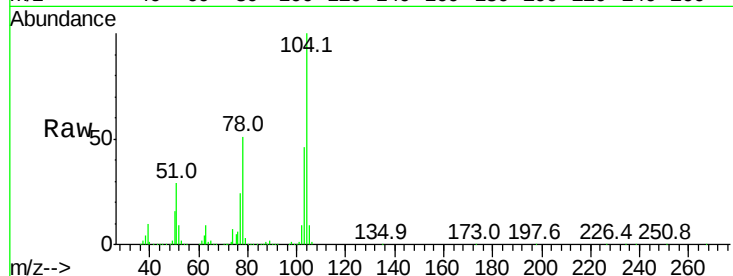
Tgt Ion:104 Resp: 1731178

Ion Ratio Lower Upper

104 100

78 52.3 41.8 62.6

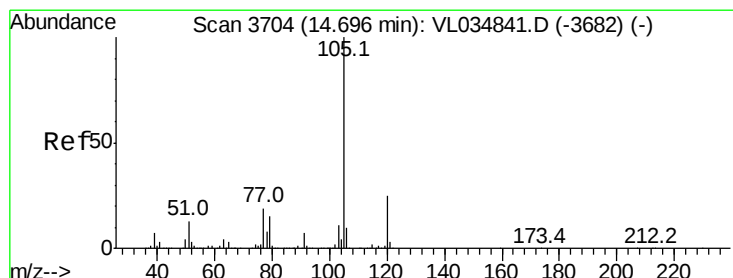
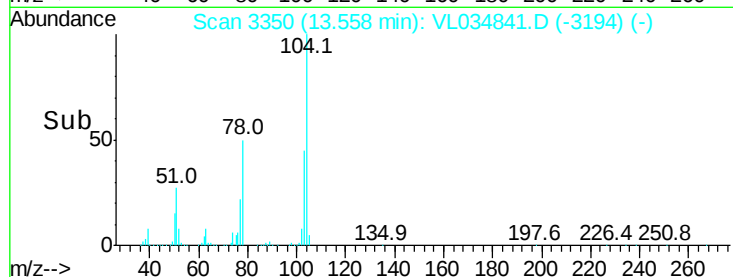
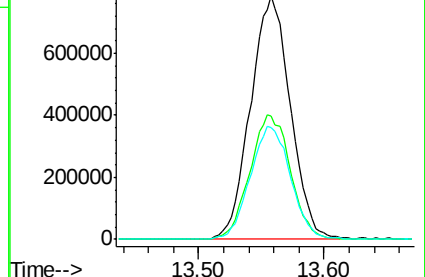
103 47.2 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.720 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034841.D

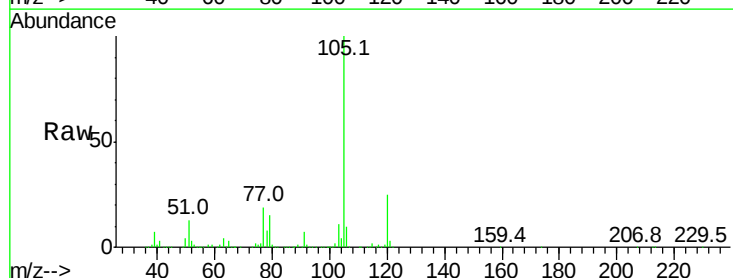
Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 3445036

Ion Ratio Lower Upper

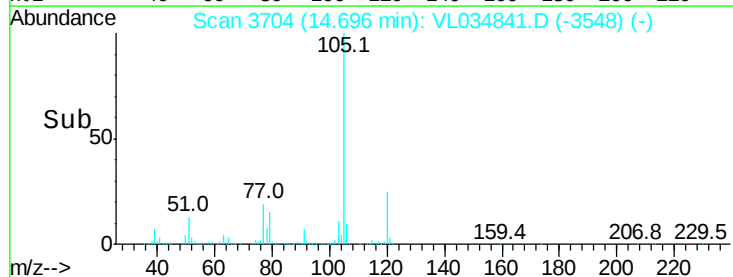
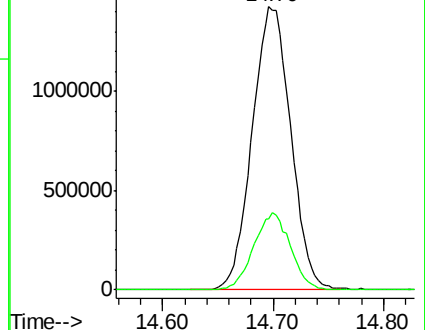
105 100

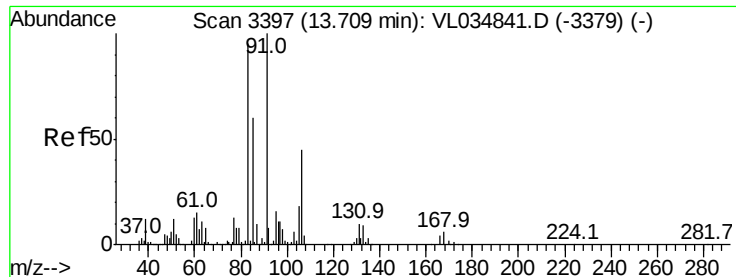
120 26.2 21.0 31.4



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: 6.614 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampled :

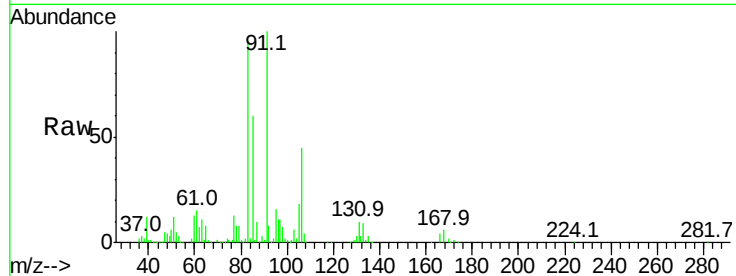
Tgt Ion: 83 Resp: 1580840

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.9	32.4	97.2

83 100

131 9.9 5.0 14.9

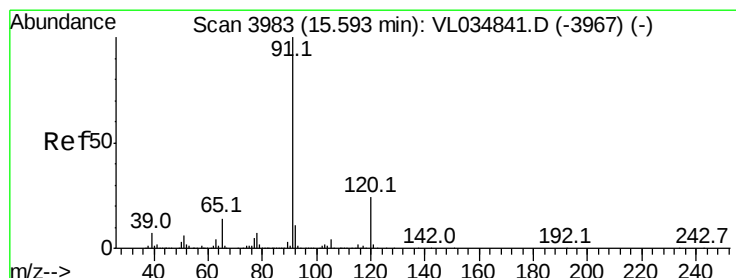
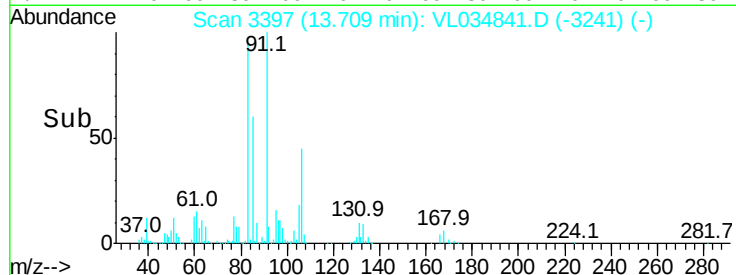
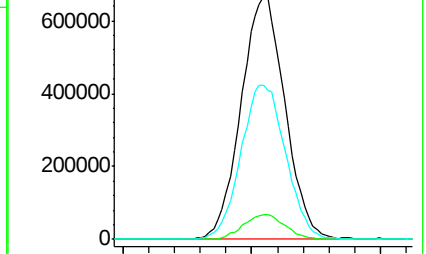
85 64.9 32.4 97.2



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: 8.282 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034841.D

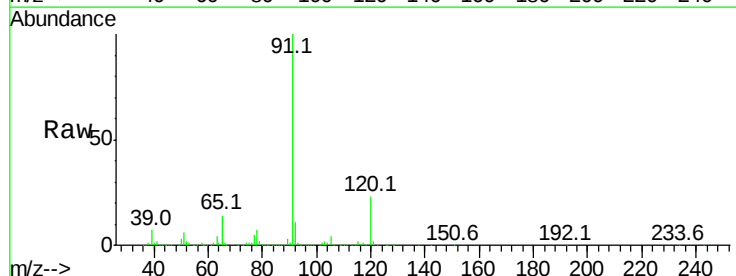
Acq: 9 Mar 2020 11:29

Tgt Ion: 120 Resp: 926573

Ion	Ratio	Lower	Upper
120	100		
91	450.6	360.9	541.3

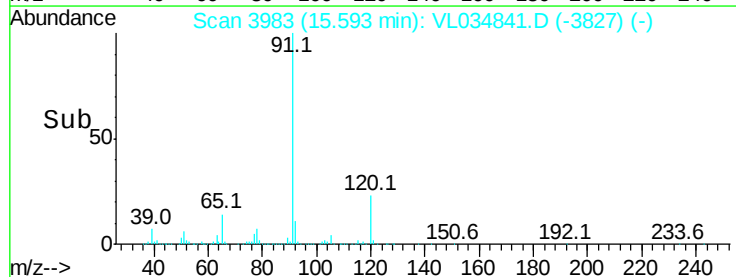
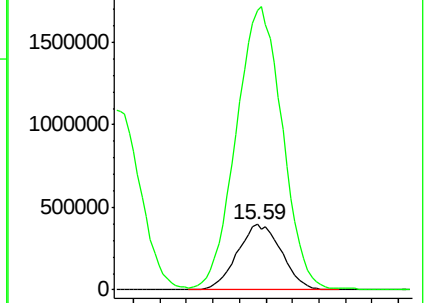
120 100

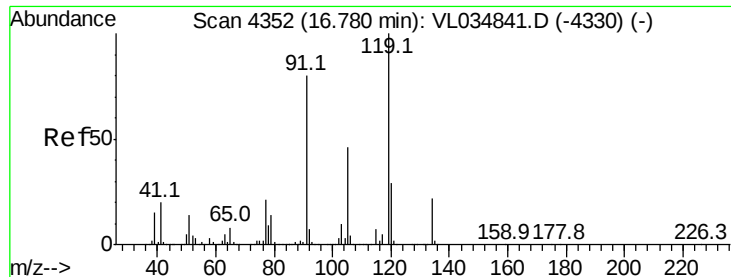
91 450.6 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

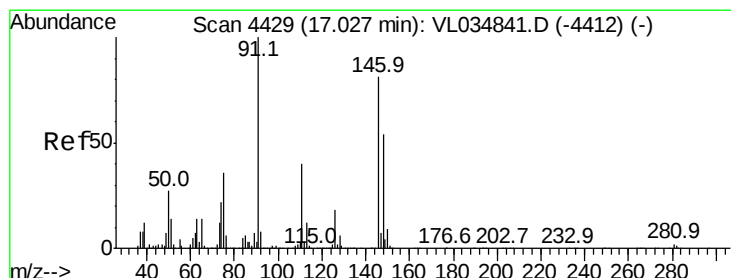
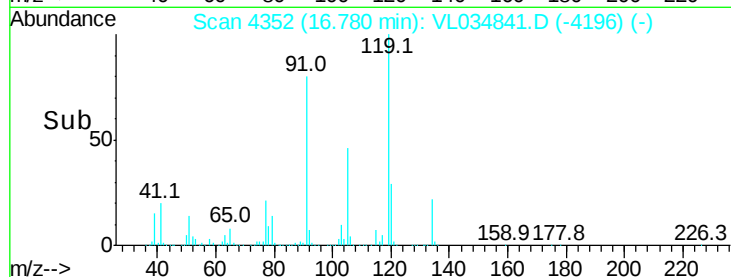
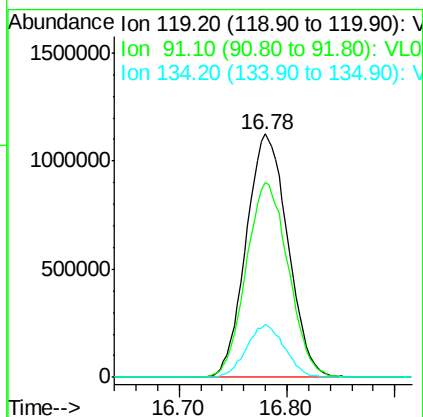
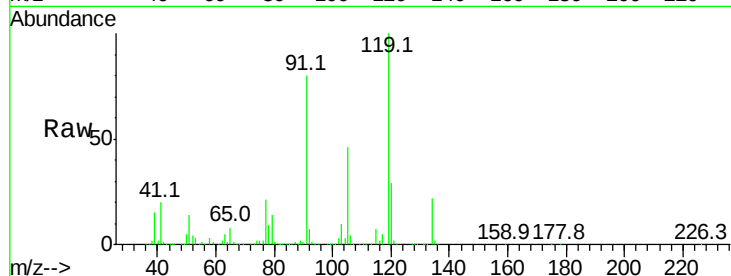




#65
 tert-Butylbenzene
 Concen: 8.007 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

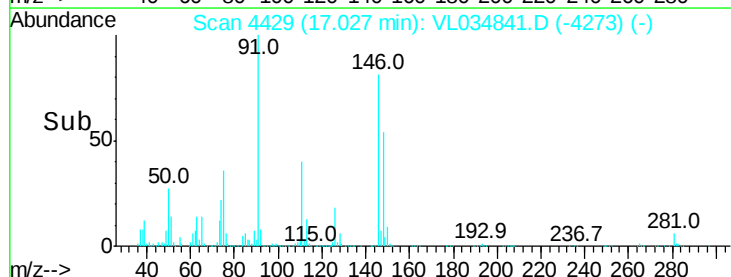
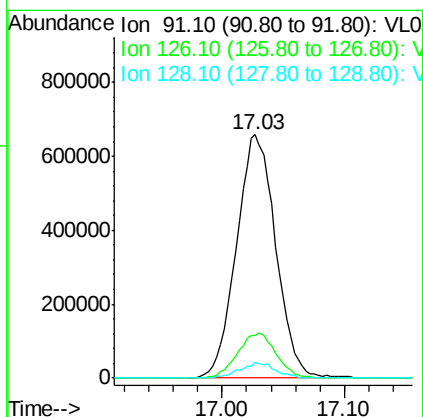
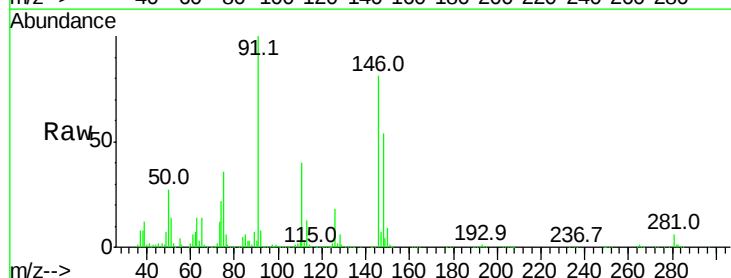
Instrument :
 MSVOA_L
 ClientSampled :

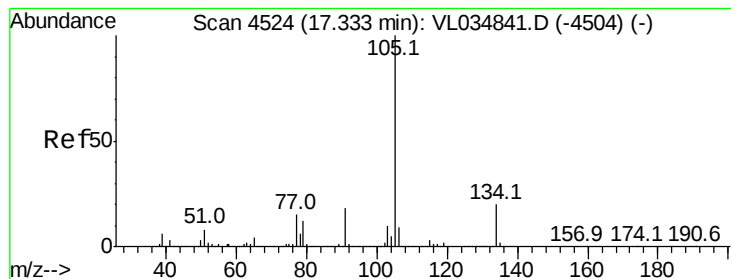
Tgt Ion: 119 Resp: 3019254
 Ion Ratio Lower Upper
 119 100
 91 81.2 64.9 97.3
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 11.973 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 1459623
 Ion Ratio Lower Upper
 91 100
 126 18.4 14.7 22.1
 128 5.9 4.7 7.1





#67

sec-Butylbenzene

Concen: 7.783 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

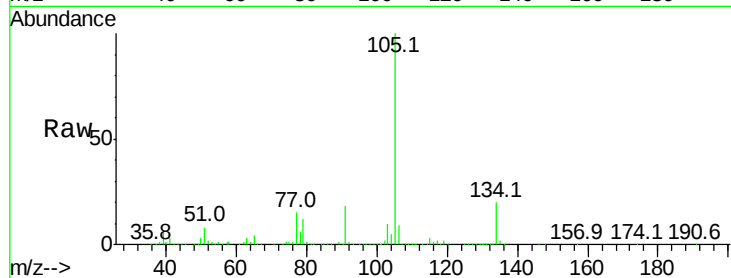
ClientSampleId :

Tgt Ion: 105 Resp: 4276822

Ion Ratio Lower Upper

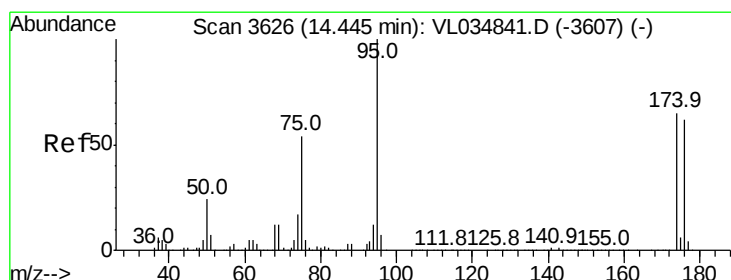
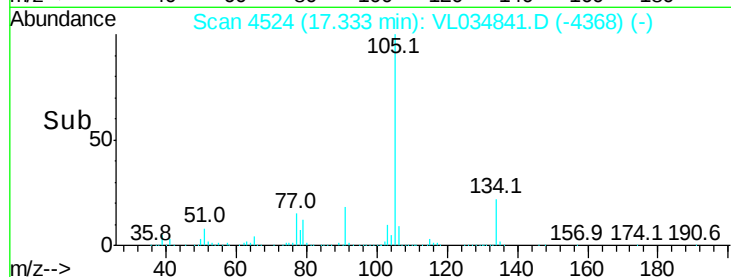
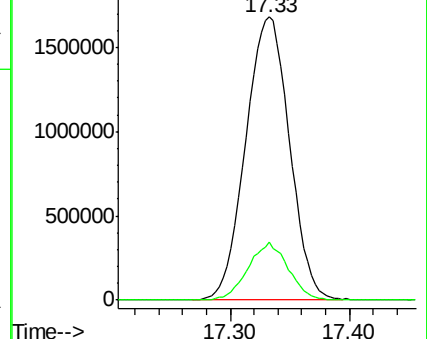
105 100

134 18.8 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.569 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

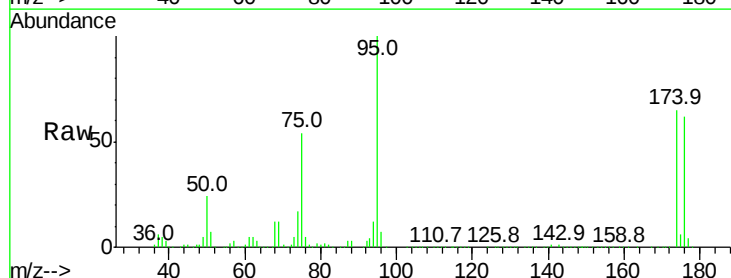
Tgt Ion: 95 Resp: 1772884

Ion Ratio Lower Upper

95 100

174 69.0 55.2 82.8

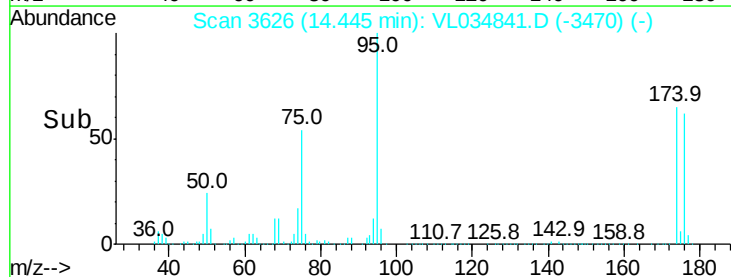
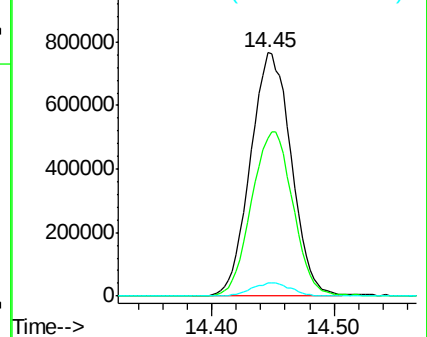
175 5.4 4.3 6.5

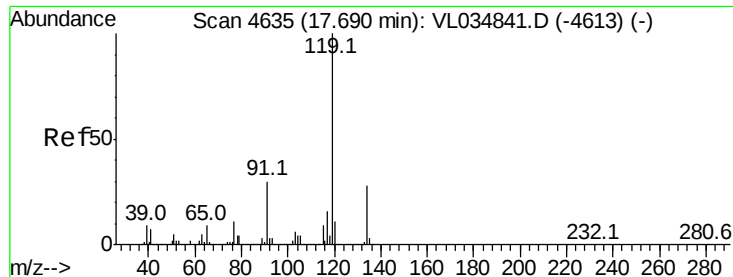


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

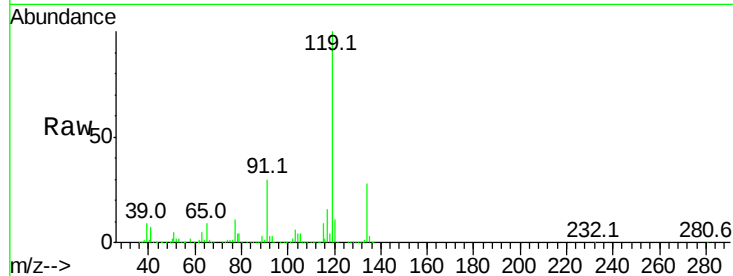




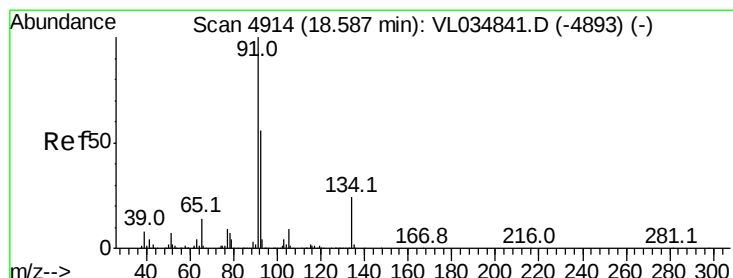
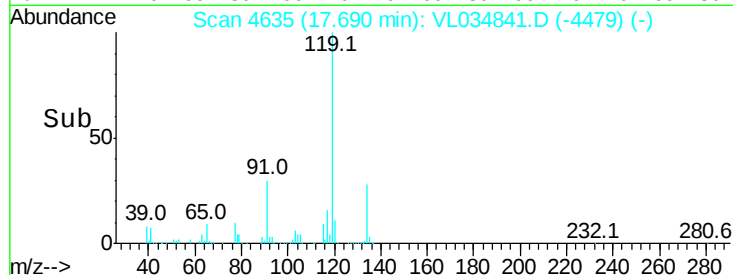
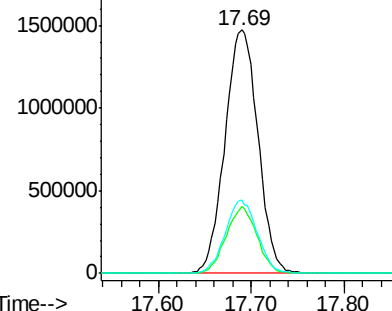
#69
 p-Isopropyltoluene
 Concen: 8.187 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampled :

Tgt Ion: 119 Resp: 3640720
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 29.3 23.4 35.2

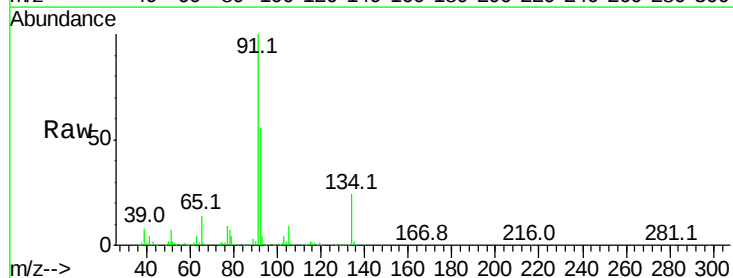


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

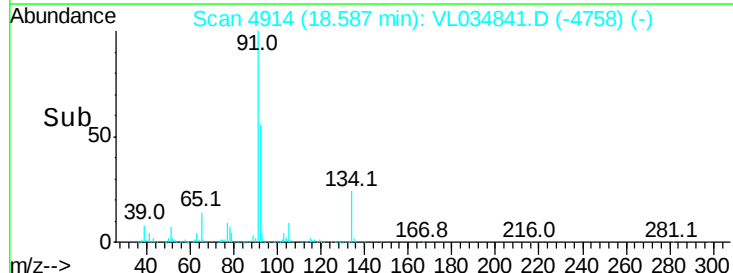
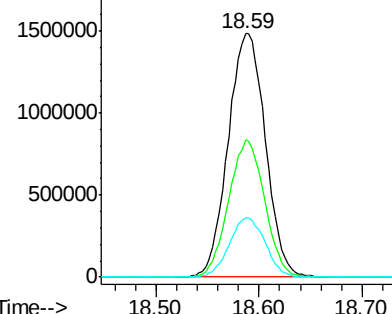


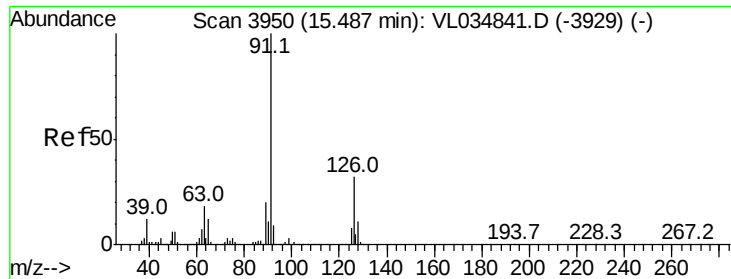
#70
 n-Butylbenzene
 Concen: 7.645 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 3717188
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.8 65.6
 134 23.7 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: 7.829 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

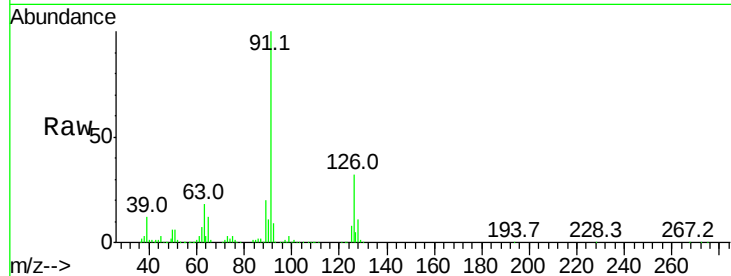
ClientSampleId :

Tgt Ion: 91 Resp: 2638637

Ion Ratio Lower Upper

91 100

126 30.8 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

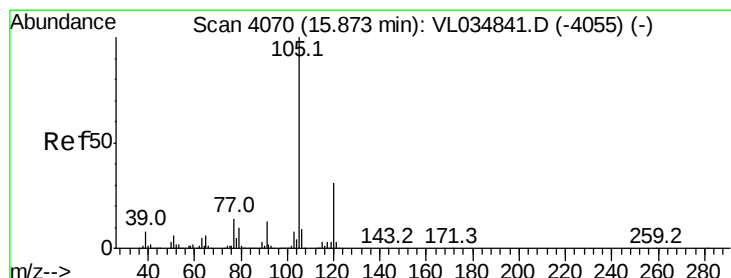
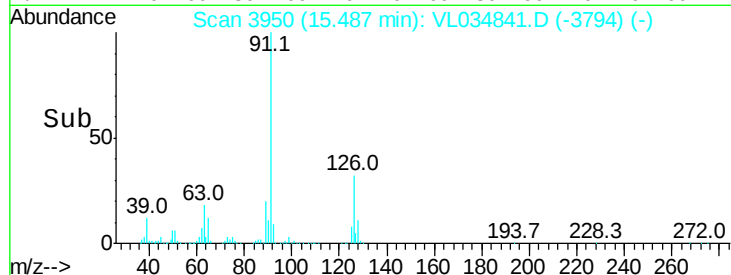
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.272 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 105 Resp: 2792249

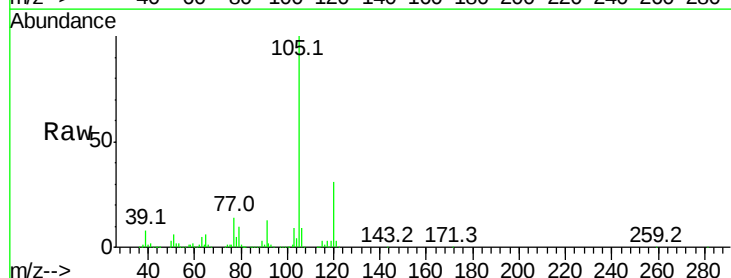
Ion Ratio Lower Upper

105 100

120 29.6 23.7 35.5

91 12.8 10.5 15.7

77 14.3 11.1 16.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

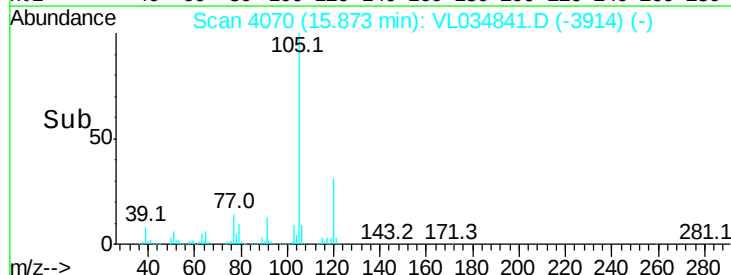
1000000

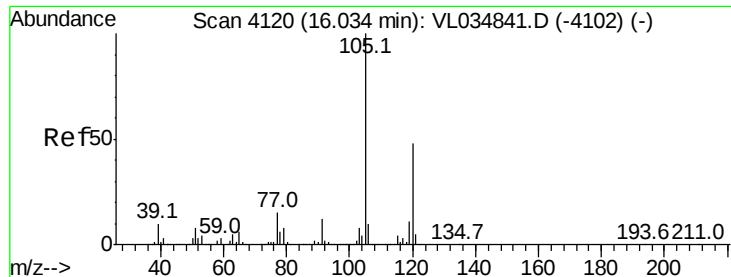
500000

0

15.80 15.85 15.90 15.95

Time-->

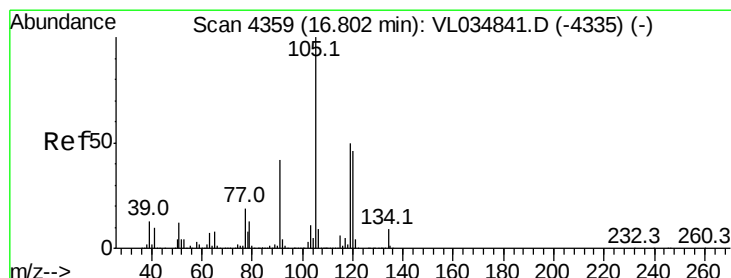
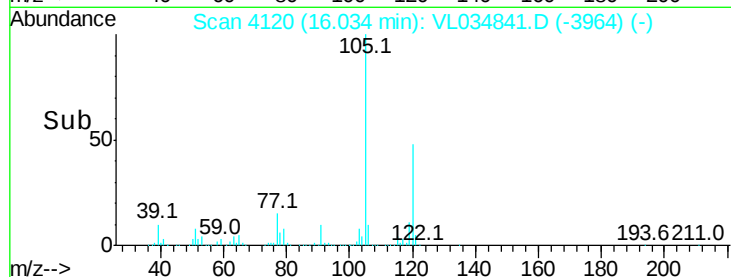
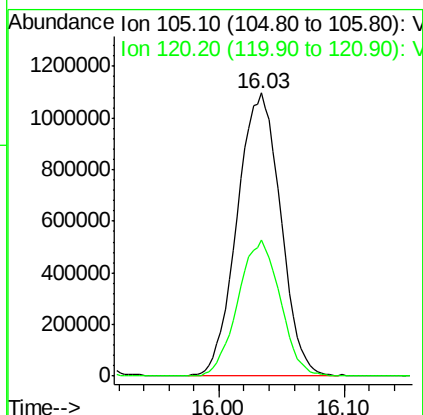
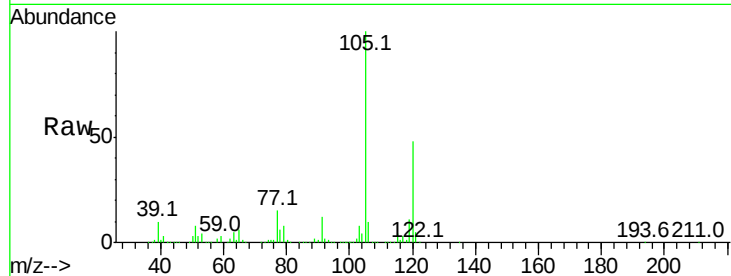




#73
 1,3,5-Trimethylbenzene
 Concen: 8.078 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

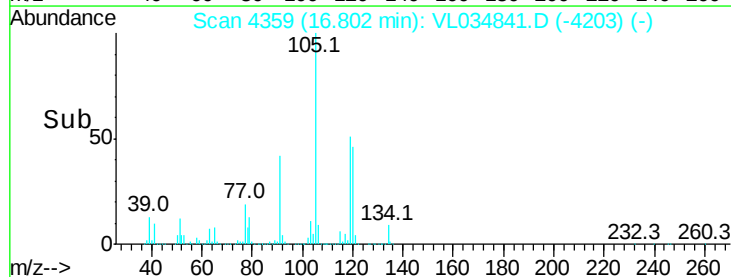
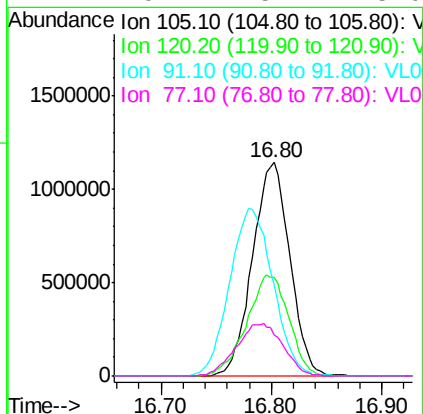
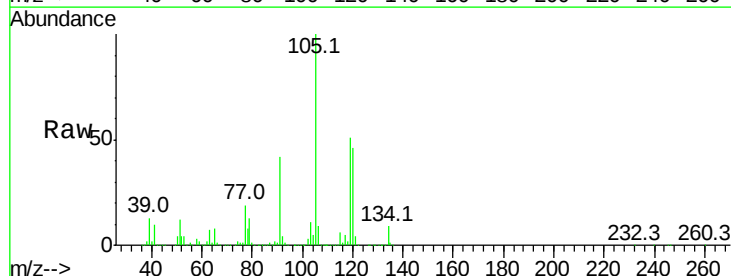
Instrument :
 MSVOA_L
 ClientSampled :

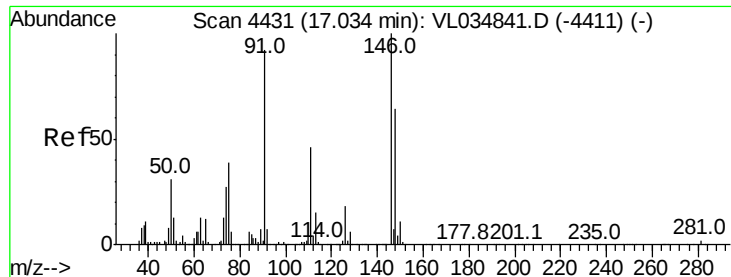
Tgt Ion:105 Resp: 2615781
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.619 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 2681904
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.0 55.4
 91 42.2 33.8 50.6
 77 19.2 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 7.538 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

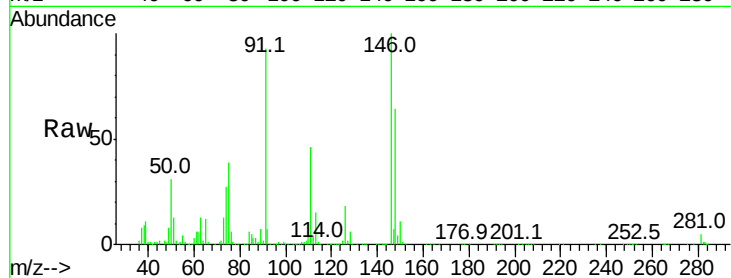
Tgt Ion:146 Resp: 1570753

Ion Ratio Lower Upper

146 100

111 47.9 23.9 71.7

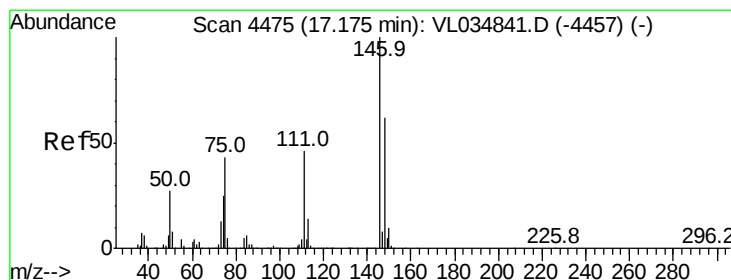
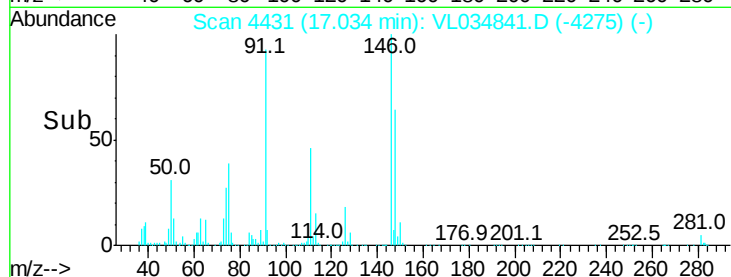
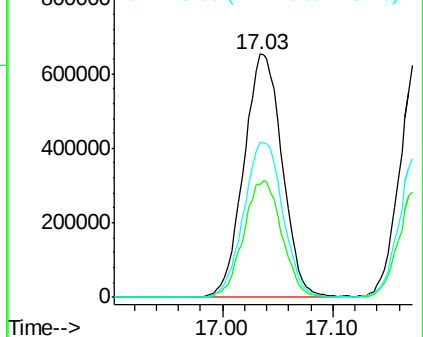
148 65.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.985 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

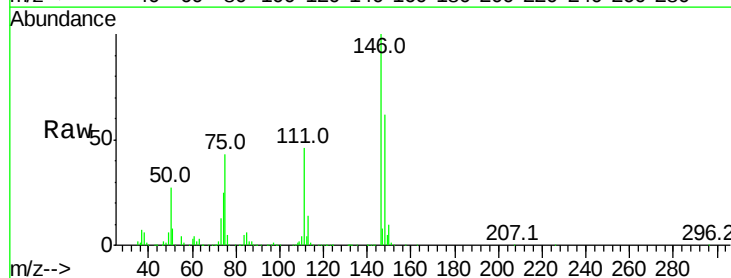
Tgt Ion:146 Resp: 1592165

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.2

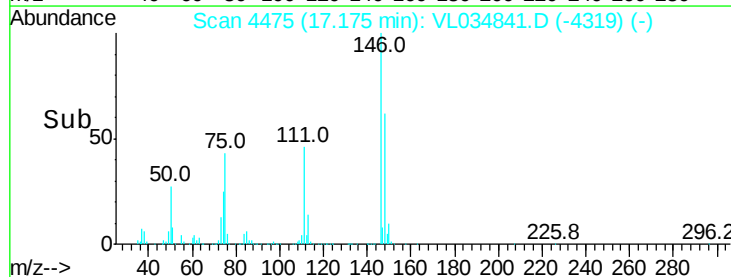
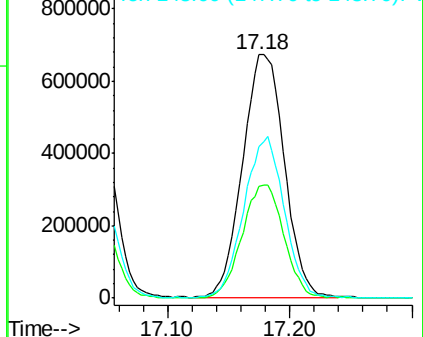
148 64.4 32.3 96.9

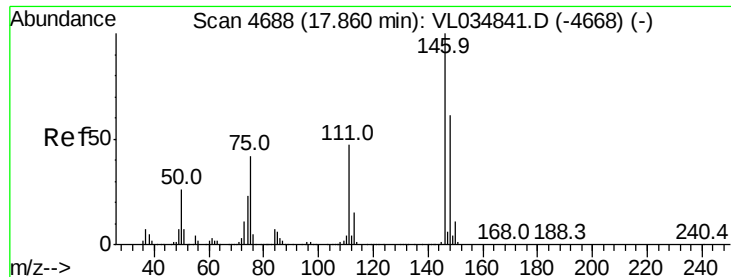


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.829 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampled :

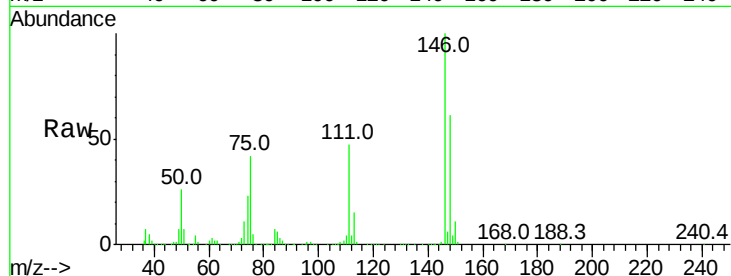
Tgt Ion:146 Resp: 1560508

Ion Ratio Lower Upper

146 100

111 47.6 23.8 71.4

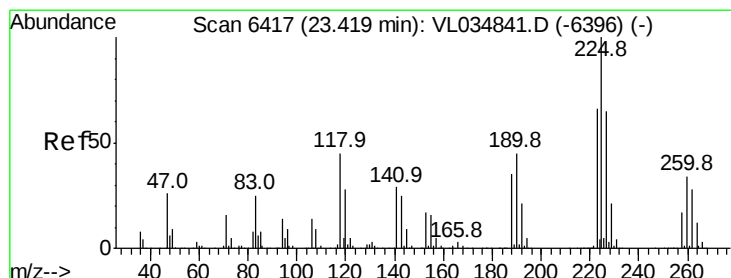
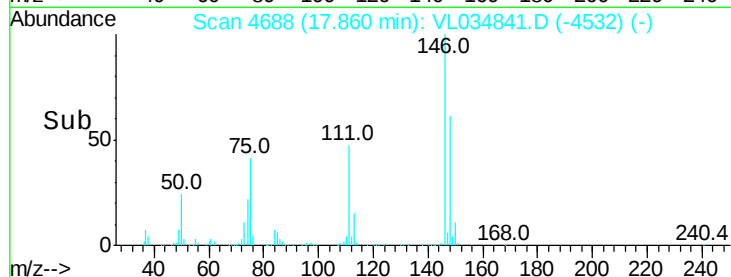
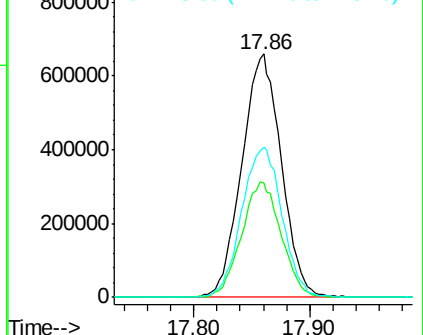
148 63.2 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.830 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

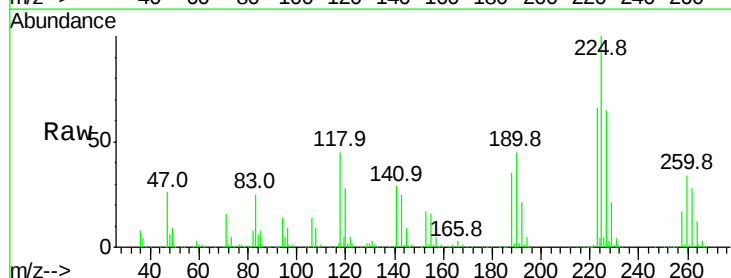
Tgt Ion:225 Resp: 1302523

Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

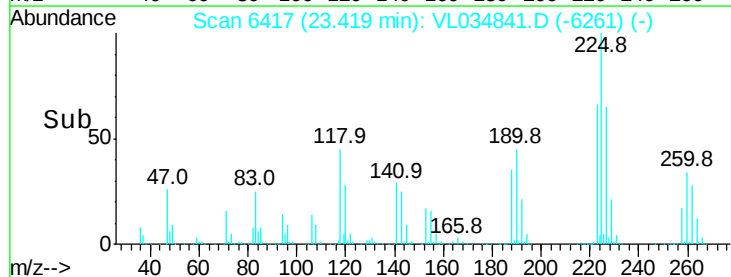
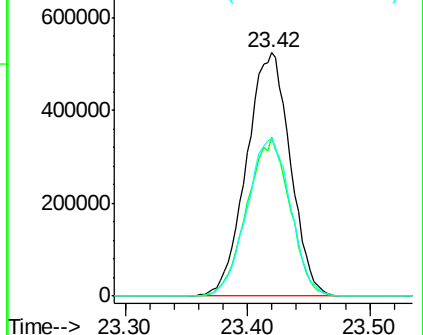
227 64.7 51.8 77.6

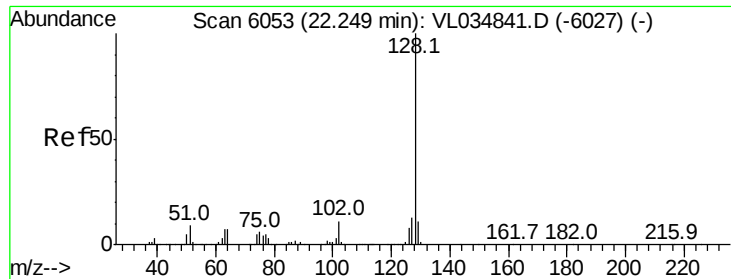


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.228 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

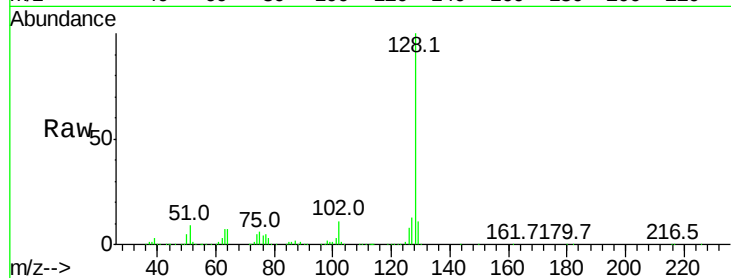
Tgt Ion:128 Resp: 2705466

Ion Ratio Lower Upper

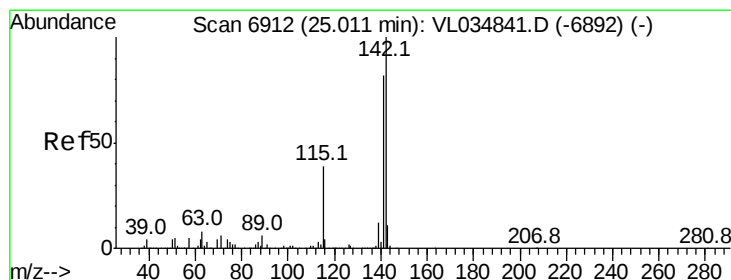
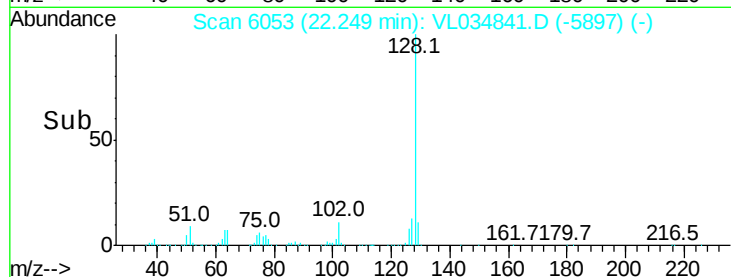
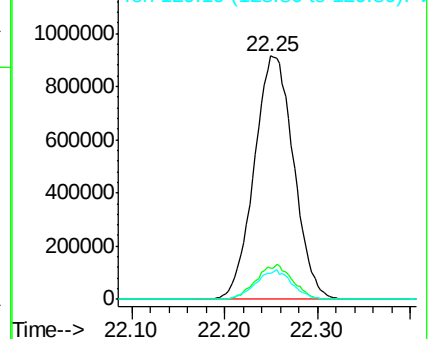
128 100

127 12.7 10.2 15.2

129 10.8 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: 19.061 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

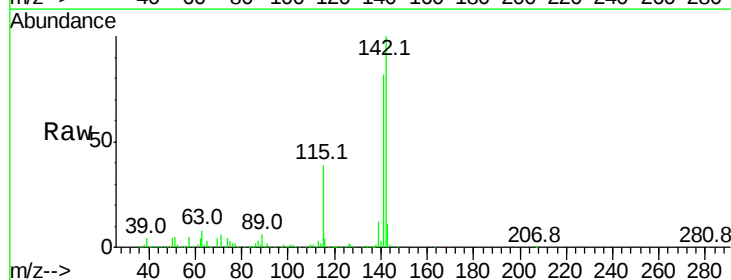
Tgt Ion:142 Resp: 1204283

Ion Ratio Lower Upper

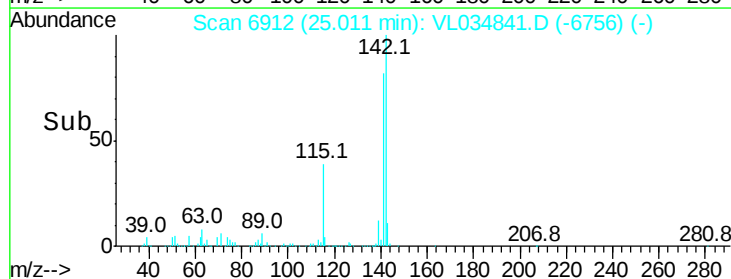
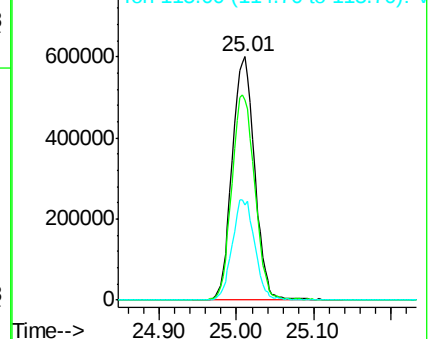
142 100

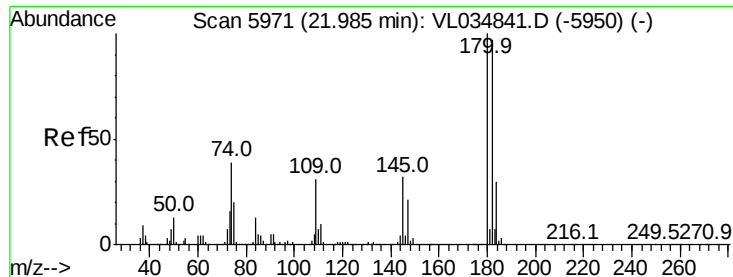
141 85.5 68.9 103.3

115 41.3 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

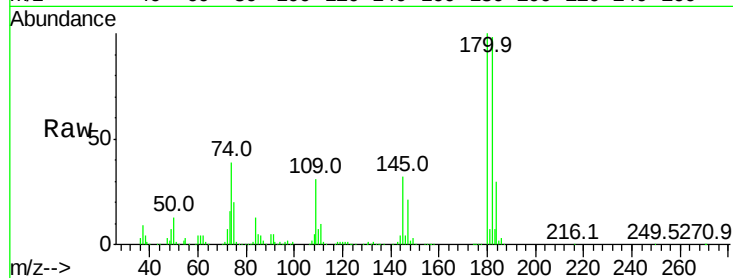




#81
 1,2,4-Trichlorobenzene
 Concen: 9.357 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 1564727
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 31.3 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

