

Data File : VL034850.D
Acq On : 9 Mar 2020 22:26
Operator : SY/AP
Sample : VL0309ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:07:46 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	916573	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2095821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2643256	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1689028	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1448992	11.545	ppbv	99
3) Chlorodifluoromethane	2.95	51	943274	9.213	ppbv	99
4) Chloromethane	3.10	50	560597	9.688	ppbv	98
5) Vinyl Chloride	3.22	62	518663	9.323	ppbv	90
6) Bromomethane	3.44	94	310693	9.594	ppbv	96
7) Chloroethane	3.52	64	190310	9.473	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1162507	8.918	ppbv	99
9) Propene	2.97	41	450103	9.207	ppbv	98
10) Heptane	8.13	43	1151070	9.568	ppbv	99
11) Trichlorofluoromethane	3.92	101	1213371	9.087	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	854446	9.143	ppbv	99
13) Ethanol	3.57	45	99841	6.718	ppbv	100
14) Bromoethene	3.71	108	377307	9.348	ppbv	98
15) Acetone	3.82	43	1070978	9.015	ppbv	99
16) 1,3-Butadiene	3.29	39	504797	9.397	ppbv	97
17) tert-Butyl alcohol	4.27	59	870264	7.604	ppbv	99
18) 1,1-Dichloroethene	4.26	96	393850	9.516	ppbv	98
19) Isopropyl Alcohol	3.94	45	583017	7.771	ppbv #	39
20) Methylene Chloride	4.32	84	341189	9.084	ppbv	96
21) Allyl Chloride	4.39	41	727407	9.534	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	394839	9.404	ppbv	98
23) Vinyl Acetate	5.06	43	1717172	9.785	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1075895	9.146	ppbv	99
25) Ethyl Acetate	5.66	43	1933517	9.136	ppbv	100
26) Hexane	5.67	57	848178	9.307	ppbv	100
27) Carbon Disulfide	4.53	76	1020323	9.866	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1435294	9.465	ppbv	100
29) Chloroform	5.74	83	1271161	9.141	ppbv	96
30) Cyclohexane	7.13	84	726164	9.550	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	883397	9.478	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1276877	9.424	ppbv	99
34) 2-Butanone	5.23	43	1307722	9.389	ppbv	99
35) Carbon Tetrachloride	7.02	117	1311544	10.061	ppbv	98
36) Benzene	6.89	78	1728612	9.253	ppbv	98
37) 1,2-Dichloroethane	6.31	62	996403	9.459	ppbv	99
38) Trichloroethene	7.84	130	669319	9.434	ppbv	99
39) 1,2-Dichloropropane	7.62	63	681776	9.211	ppbv	96
40) 1,4-Dioxane	7.84	88	120997	4.329	ppbv #	1
41) Tetrahydrofuran	6.04	42	745384	9.891	ppbv	99
42) Bromodichloromethane	7.80	83	1365921	9.515	ppbv	99
43) Methyl Methacrylate	8.02	69	783098	9.950	ppbv	98

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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

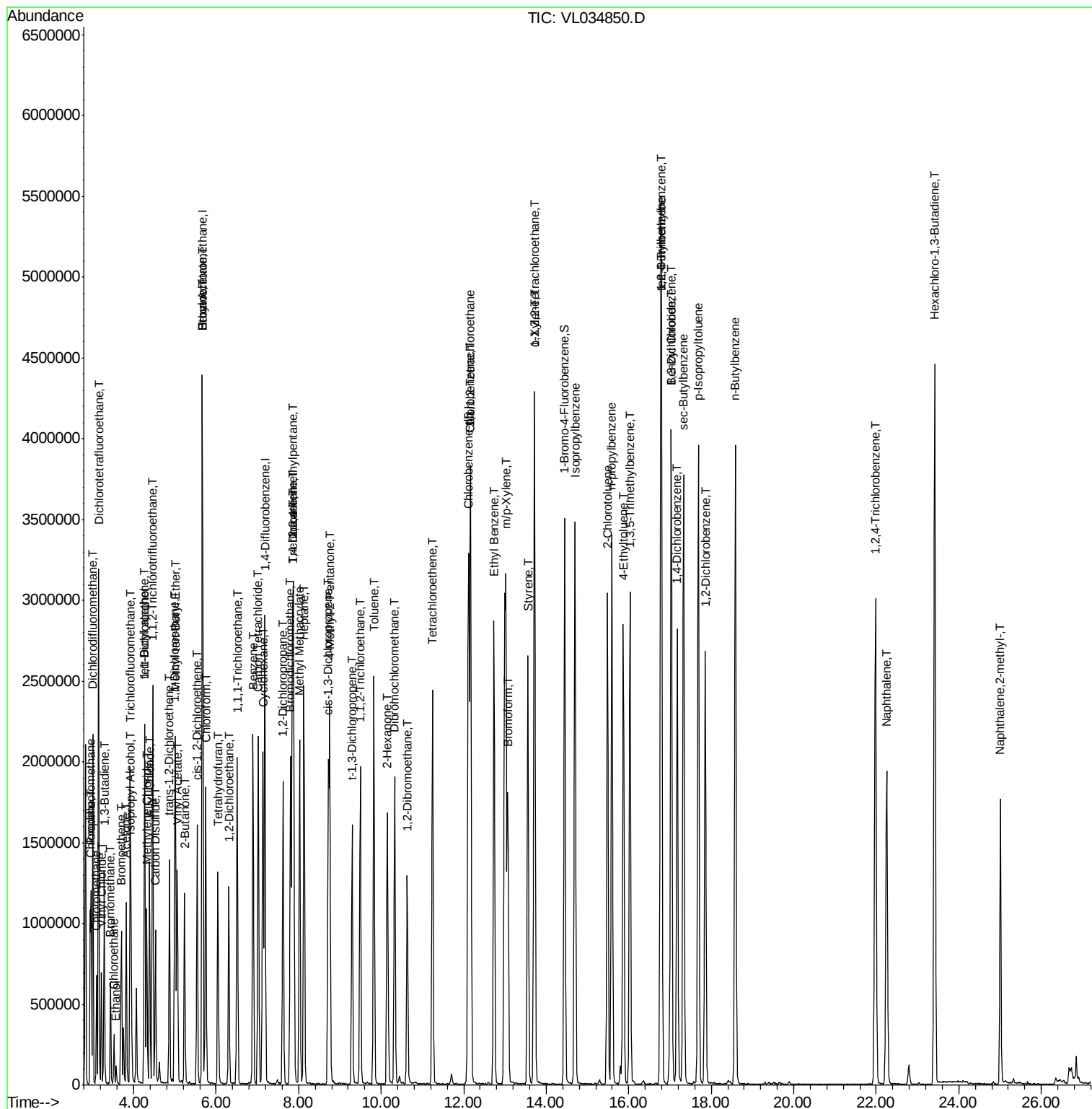
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44) 2,2,4-Trimethylpentane	7.87	57	2961145	9.380	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	957830	10.359	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1096915	9.983	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	705201	9.284	ppbv	96
48) Dibromochloromethane	10.33	129	1170770	9.518	ppbv	99
49) Bromoform	13.07	173	1034090	9.428	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1906717	9.510	ppbv	100
51) 2-Hexanone	10.15	43	1567704	9.622	ppbv	100
52) Tetrachloroethene	11.25	164	623038	8.430	ppbv	96
53) Toluene	9.82	91	2021541	9.371	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1054676	9.224	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	883047	7.437	ppbv	99
57) Chlorobenzene	12.18	112	1491811	7.213	ppbv	99
58) Ethyl Benzene	12.73	91	2654314	7.415	ppbv	99
59) m/p-Xylene	13.02	91	1939168	6.466	ppbv #	15
60) o-Xylene	13.72	91	2116978	7.230	ppbv	99
61) Styrene	13.55	104	1580682	7.692	ppbv	99
62) Isopropylbenzene	14.70	105	3172137	7.165	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1426814	7.178	ppbv	100
64) n-propylbenzene	15.59	120	833630	7.234	ppbv	98
65) tert-Butylbenzene	16.78	119	2745409	7.093	ppbv	100
66) Benzyl Chloride	17.03	91	1423453	8.820	ppbv	100
67) sec-Butylbenzene	17.33	105	3885429	7.240	ppbv	99
69) p-Isopropyltoluene	17.69	119	3304309	7.343	ppbv	100
70) n-Butylbenzene	18.59	91	3368931	7.337	ppbv	100
71) 2-Chlorotoluene	15.49	91	2376287	7.087	ppbv	100
72) 4-Ethyltoluene	15.87	105	2559817	7.403	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2378629	7.348	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2455876	7.364	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1436161	7.142	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1451454	7.233	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1425318	7.312	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1291798	7.935	ppbv	100
79) Naphthalene	22.25	128	2554761	9.823	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	975001	14.345	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1472596	8.912	ppbv	99

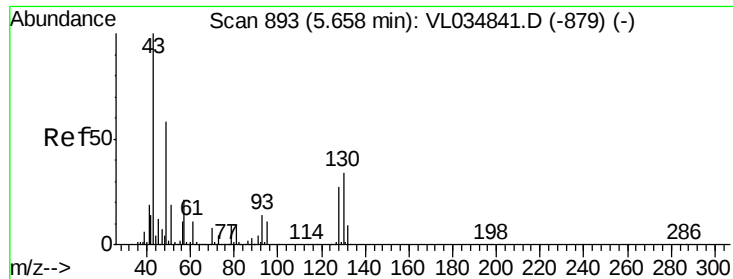
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

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Response via : Initial Calibration

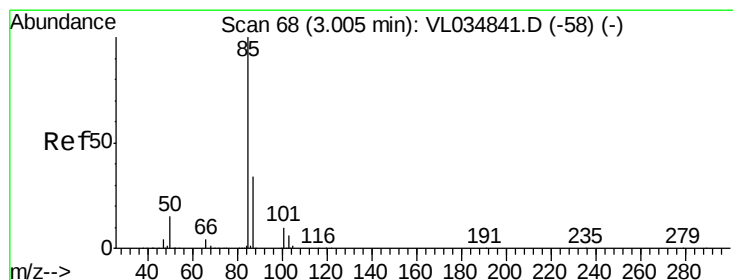
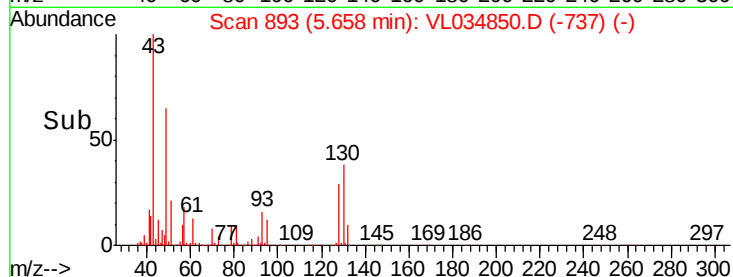
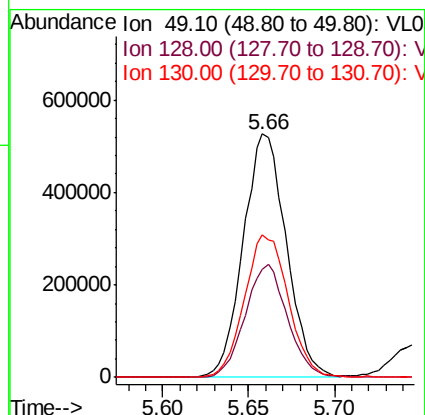
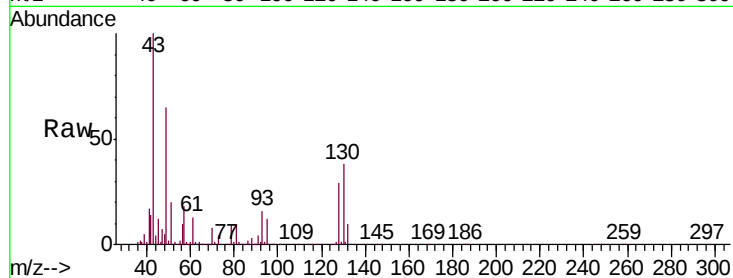




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

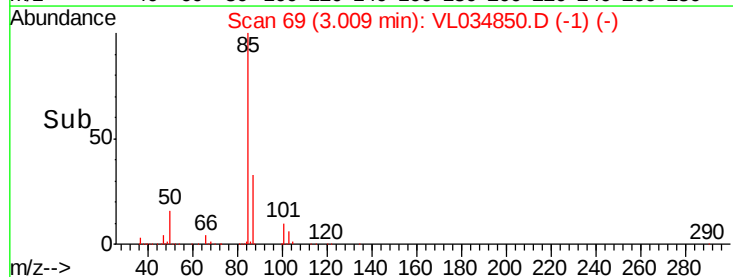
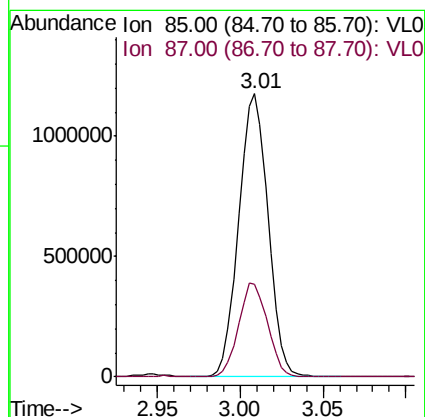
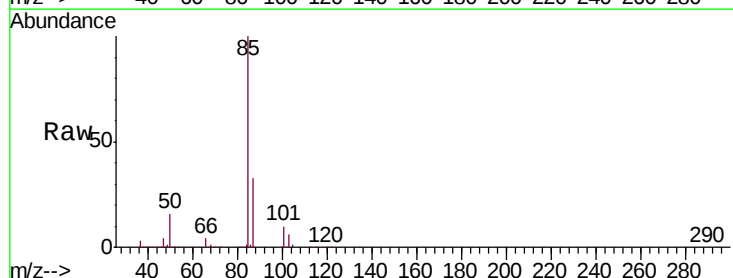
Instrument :
MSVOA_L
ClientSampleId :

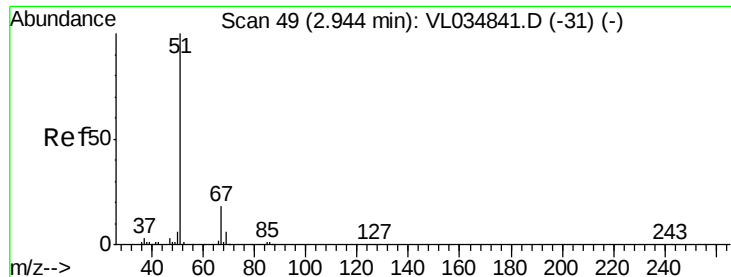
Tgt Ion: 49 Resp: 916573
Ion Ratio Lower Upper
49 100
128 45.8 23.4 70.3
130 59.8 30.0 90.0



#2
Dichlorodifluoromethane
Concen: 11.545 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 85 Resp: 1448992
Ion Ratio Lower Upper
85 100
87 32.8 26.9 40.3

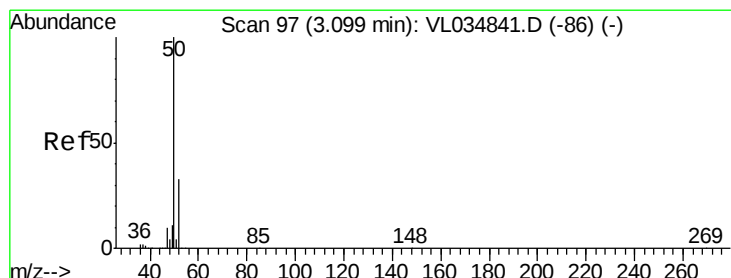
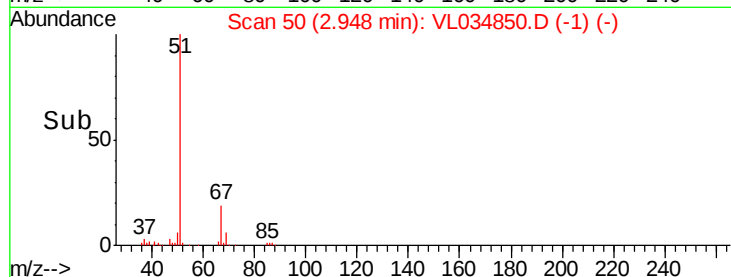
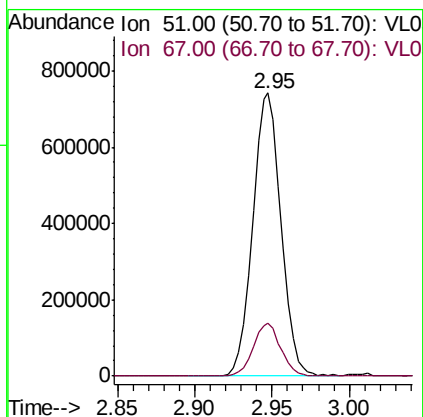
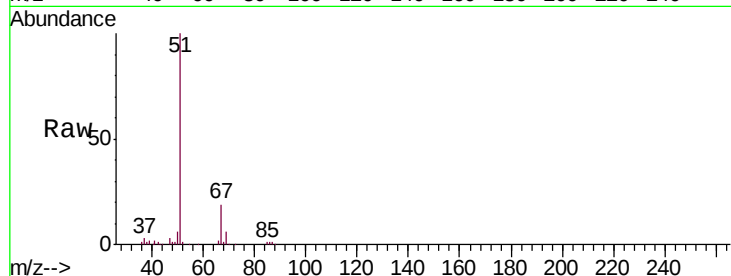




#3
 Chlorodifluoromethane
 Concen: 9.213 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

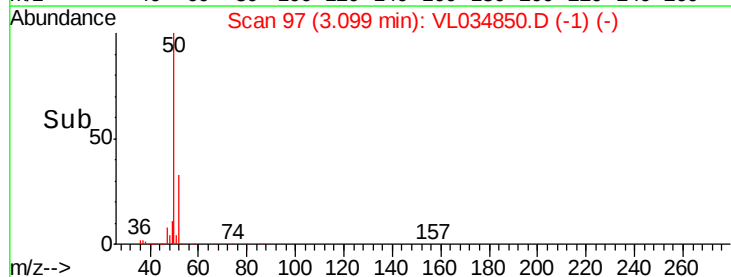
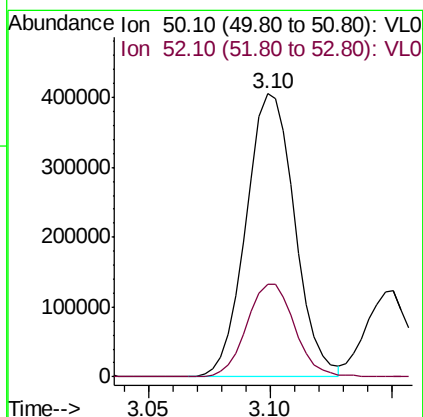
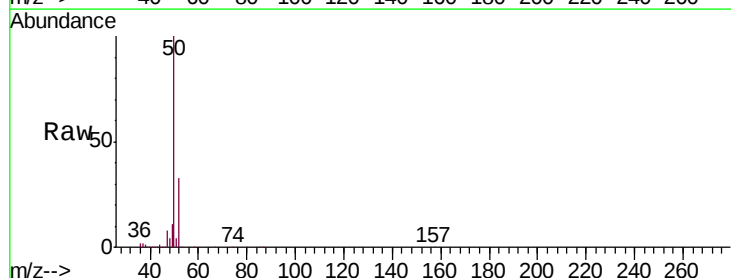
Instrument :
 MSVOA_L
 ClientSampleId :

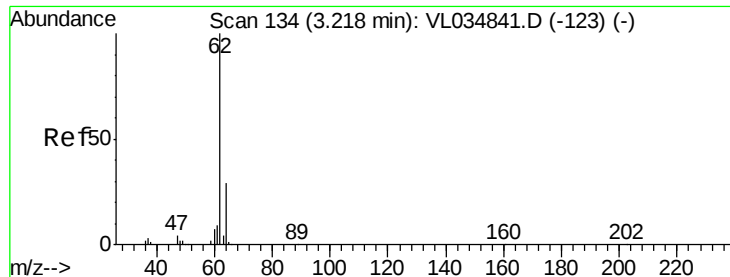
Tgt Ion: 51 Resp: 943274
 Ion Ratio Lower Upper
 51 100
 67 18.2 14.3 21.5



#4
 Chloromethane
 Concen: 9.688 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 50 Resp: 560597
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.8 40.2





#5

Vinyl Chloride

Concen: 9.323 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

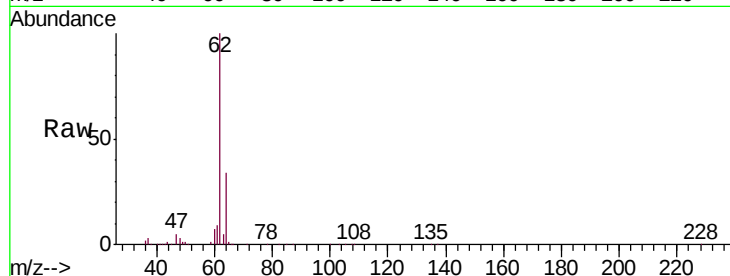
ClientSampleId :

Tgt Ion: 62 Resp: 518663

Ion Ratio Lower Upper

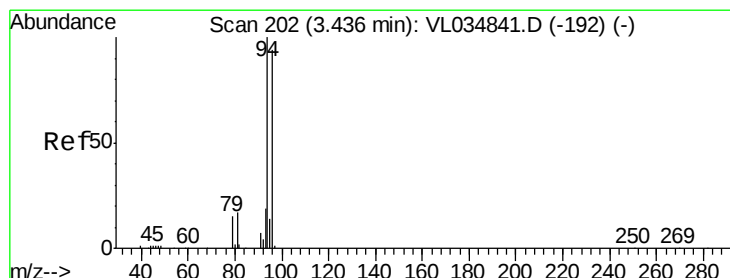
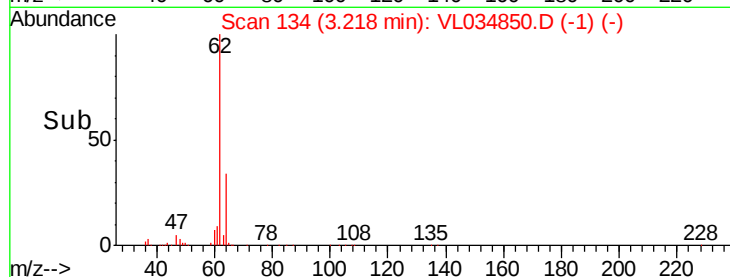
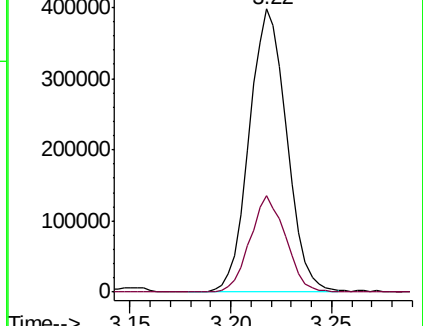
62 100

64 34.0 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.594 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034850.D

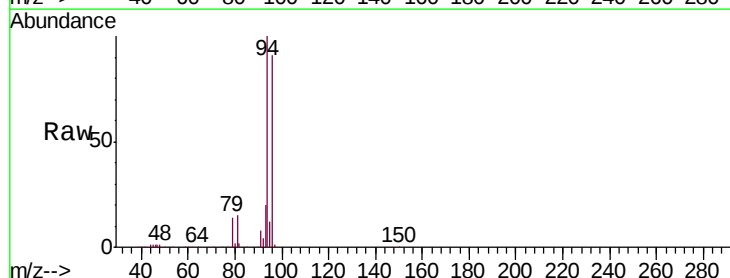
Acq: 9 Mar 2020 22:26

Tgt Ion: 94 Resp: 310693

Ion Ratio Lower Upper

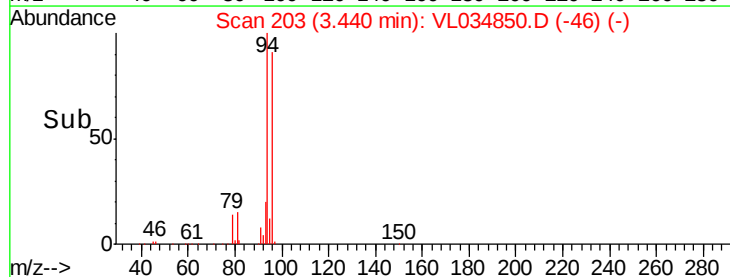
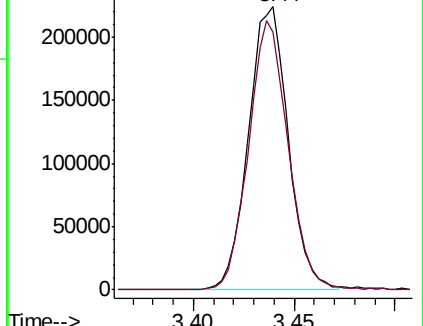
94 100

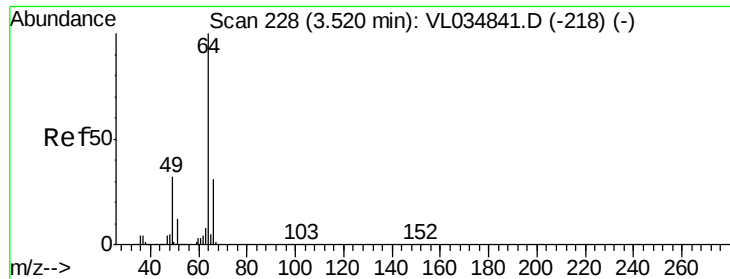
96 90.9 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.473 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

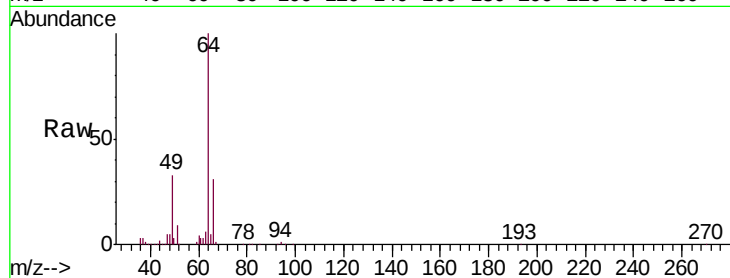
ClientSampleId :

Tgt Ion: 64 Resp: 190310

Ion Ratio Lower Upper

64 100

66 30.9 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

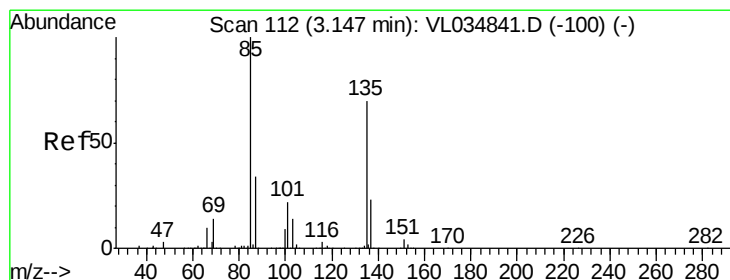
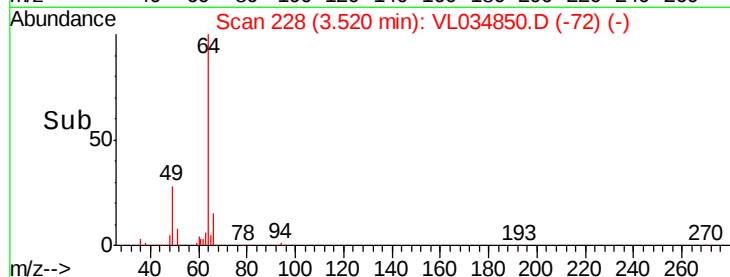
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.918 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034850.D

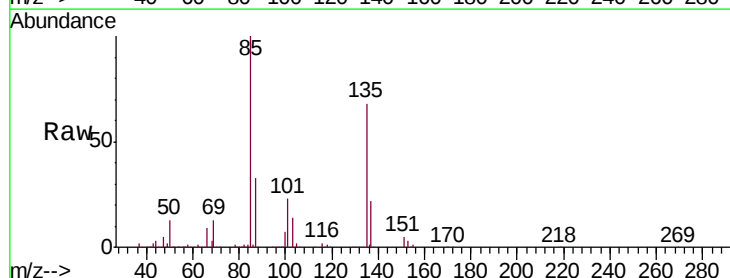
Acq: 9 Mar 2020 22:26

Tgt Ion: 85 Resp: 1162507

Ion Ratio Lower Upper

85 100

135 67.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

1000000

800000

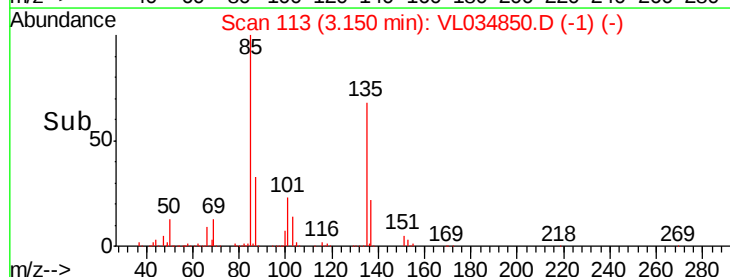
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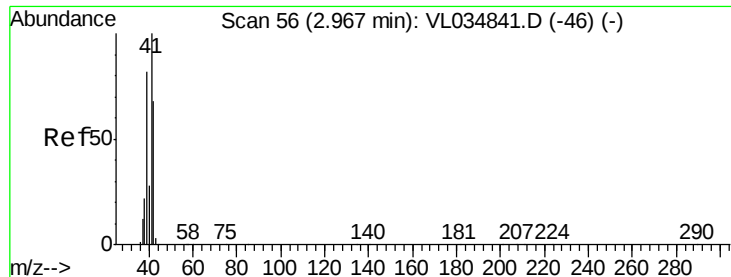
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Time-->





#9

Propene

Concen: 9.207 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

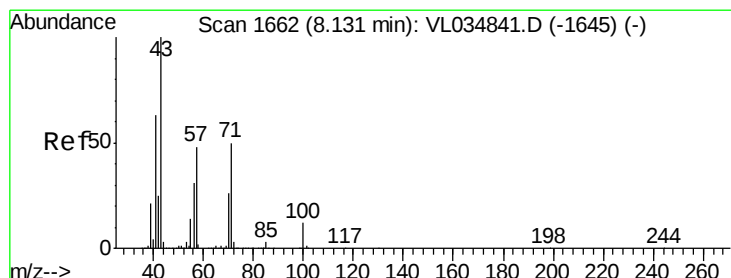
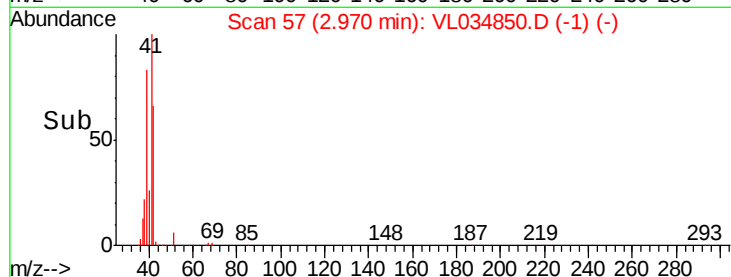
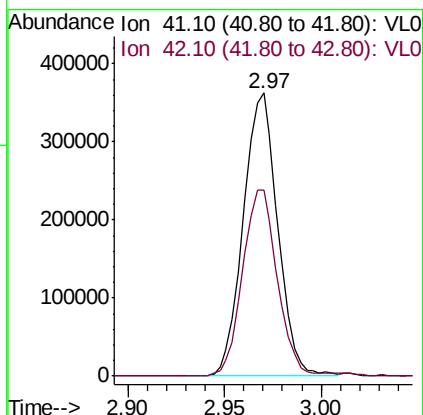
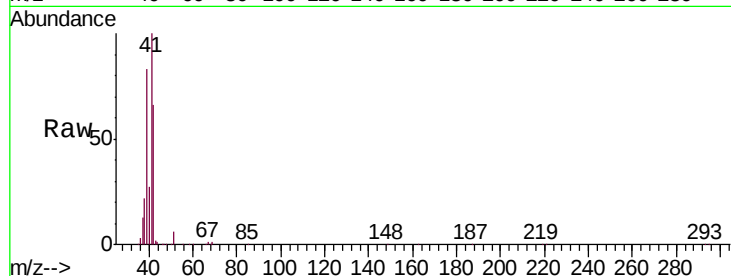
ClientSampleId :

Tgt Ion: 41 Resp: 450103

Ion Ratio Lower Upper

41 100

42 67.4 55.2 82.8



#10

Heptane

Concen: 9.568 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034850.D

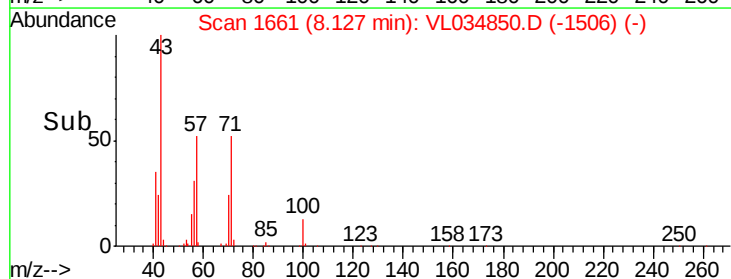
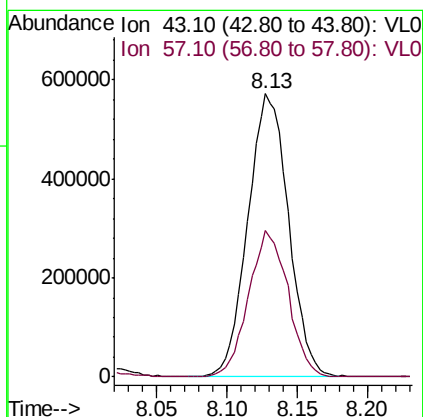
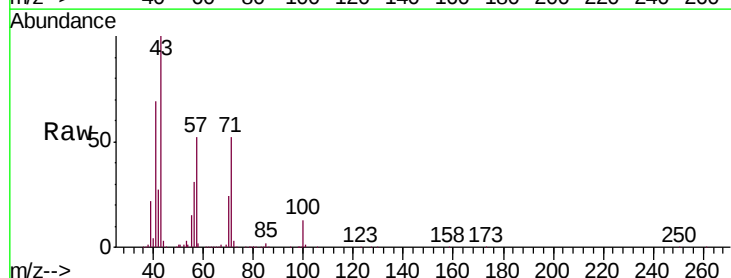
Acq: 9 Mar 2020 22:26

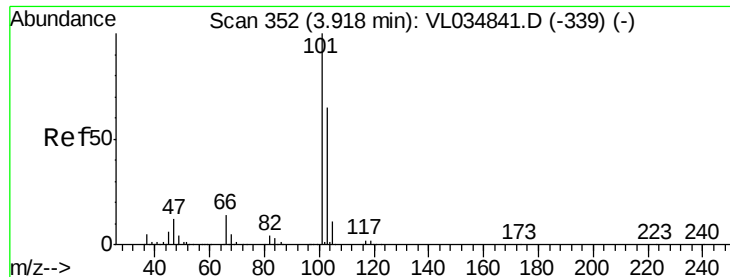
Tgt Ion: 43 Resp: 1151070

Ion Ratio Lower Upper

43 100

57 50.4 39.7 59.5

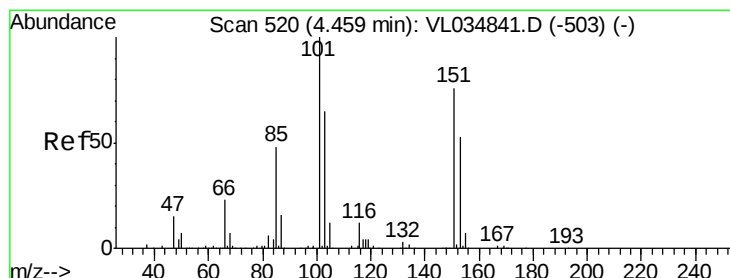
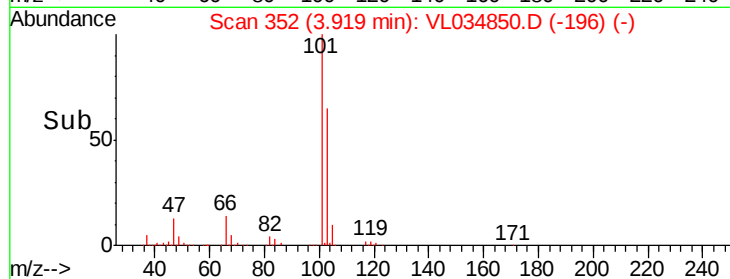
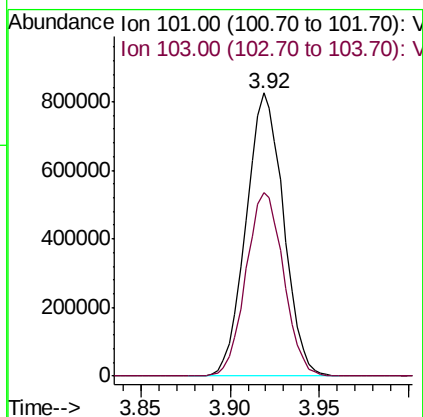
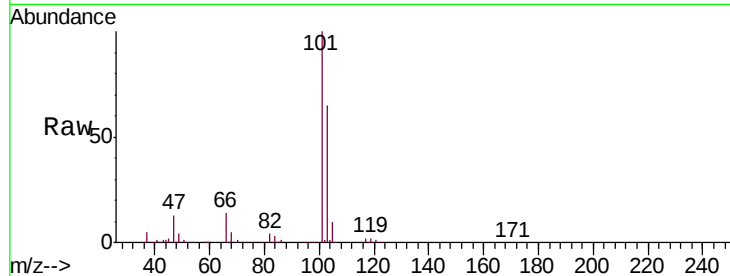




#11
 Trichlorofluoromethane
 Concen: 9.087 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

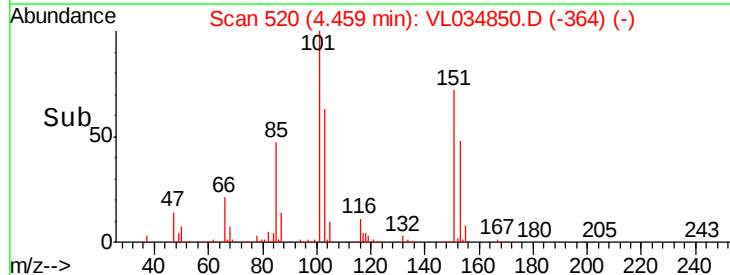
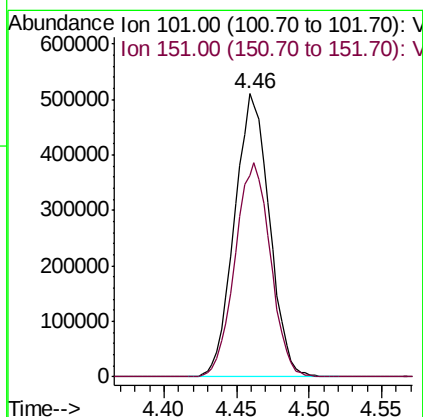
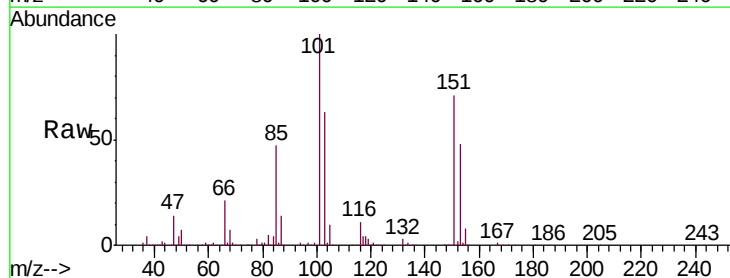
Instrument :
 MSVOA_L
 ClientSampleId :

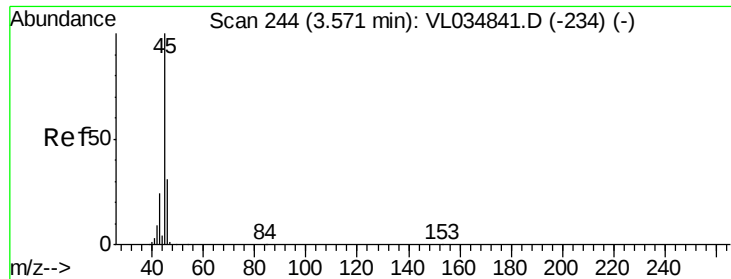
Tgt Ion:101 Resp: 1213371
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.143 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion:101 Resp: 854446
 Ion Ratio Lower Upper
 101 100
 151 76.8 60.8 91.2





#13

Ethanol

Concen: 6.718 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

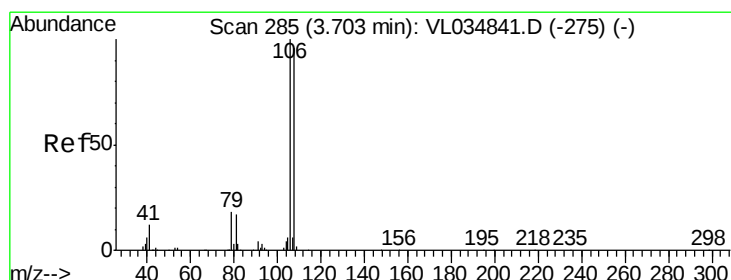
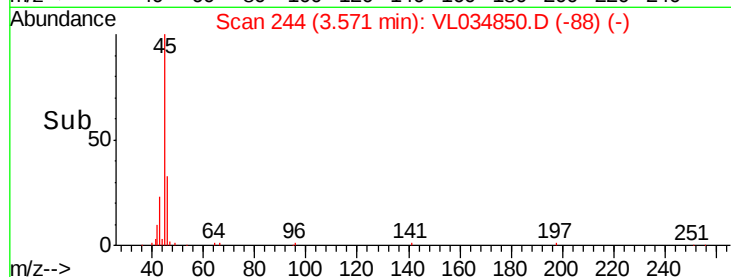
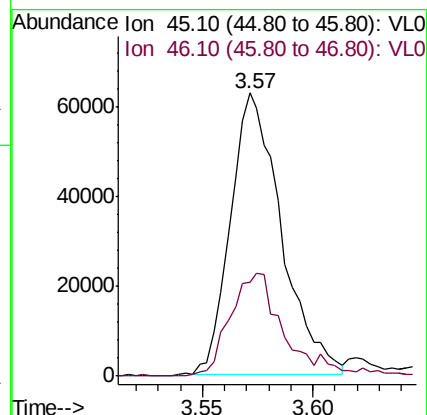
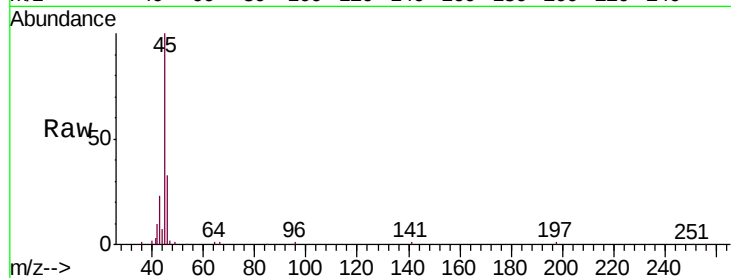
ClientSampleId :

Tgt Ion: 45 Resp: 99841

Ion Ratio Lower Upper

45 100

46 40.3 16.0 64.0



#14

Bromoethene

Concen: 9.348 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

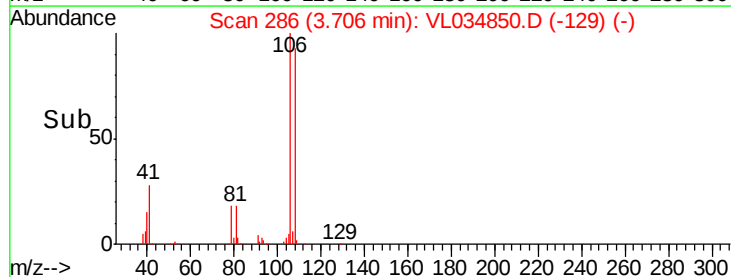
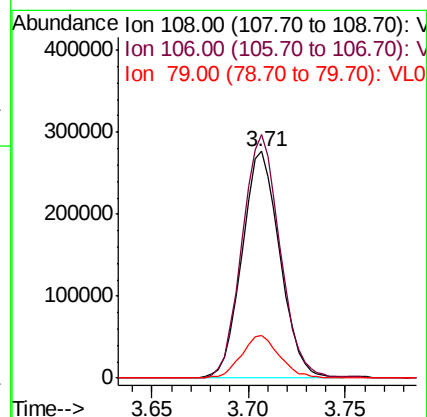
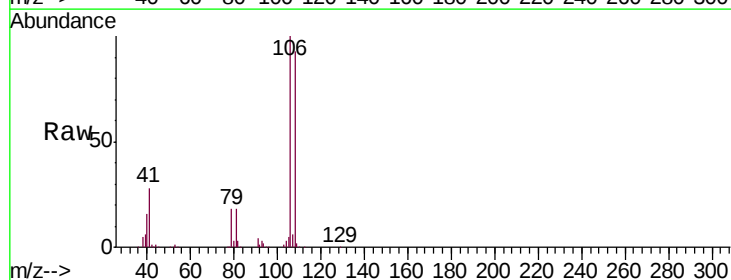
Tgt Ion: 108 Resp: 377307

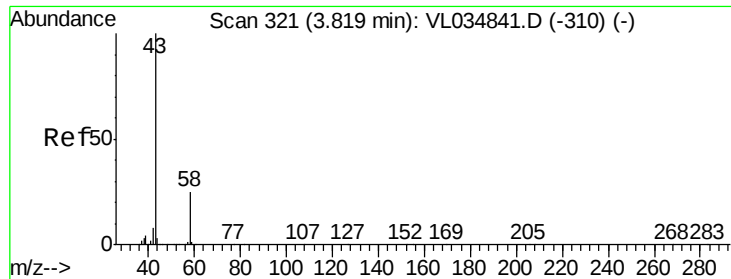
Ion Ratio Lower Upper

108 100

106 108.2 85.1 127.7

79 18.8 14.7 22.1

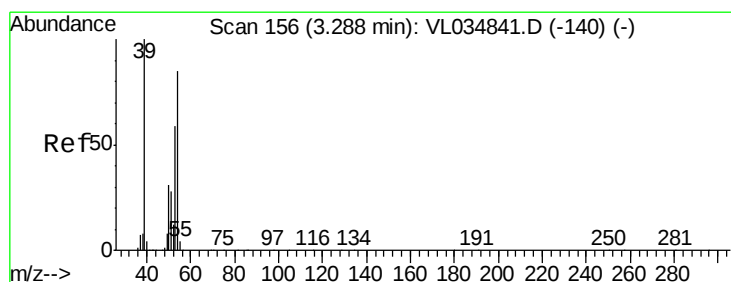
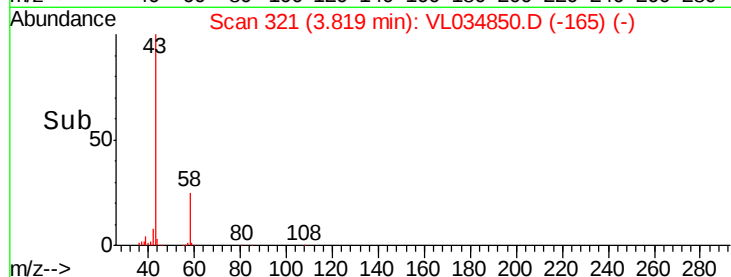
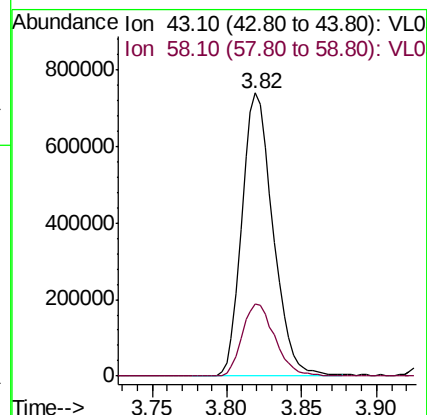
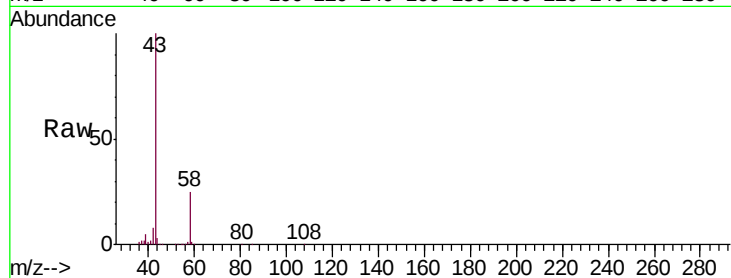




#15
Acetone
Concen: 9.015 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

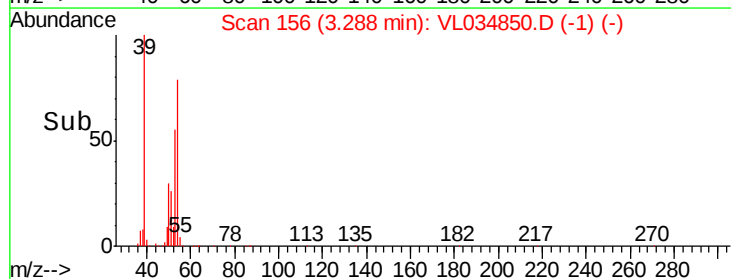
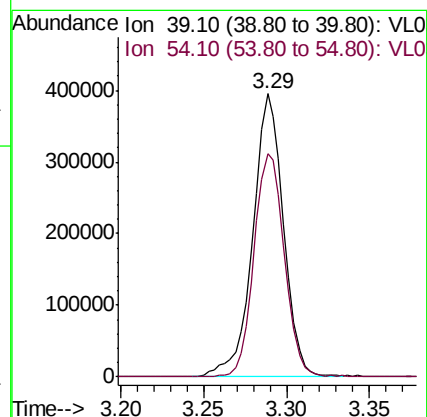
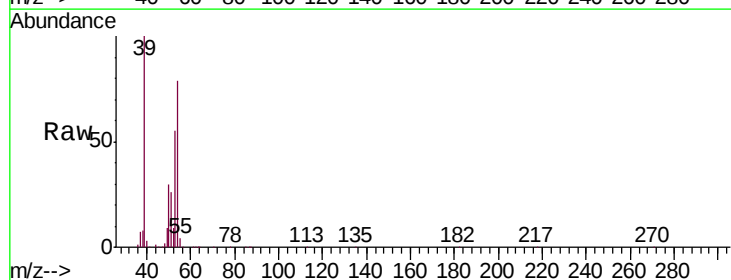
Instrument :
MSVOA_L
ClientSampleId :

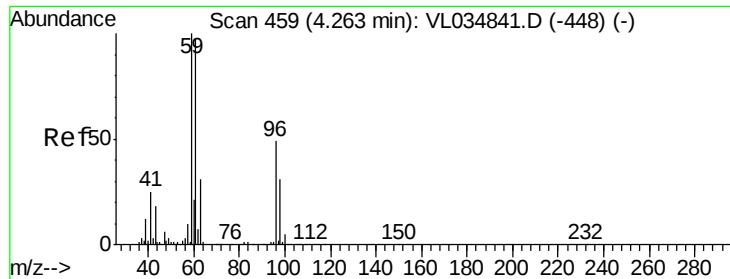
Tgt Ion: 43 Resp: 1070978
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.6



#16
1,3-Butadiene
Concen: 9.397 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 39 Resp: 504797
Ion Ratio Lower Upper
39 100
54 78.6 65.0 97.6

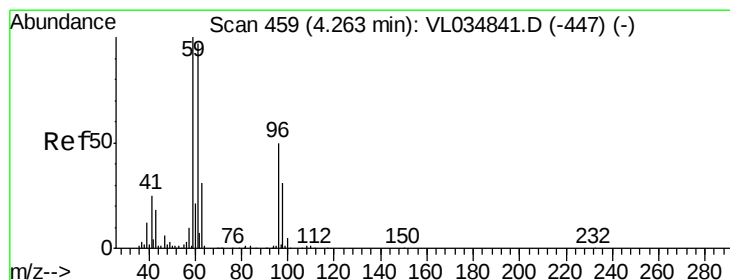
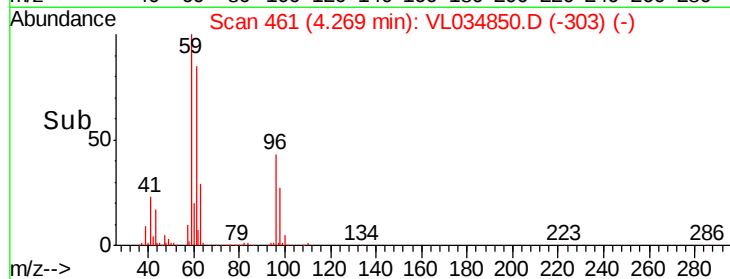
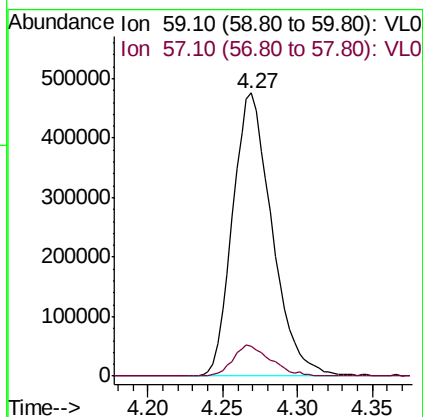
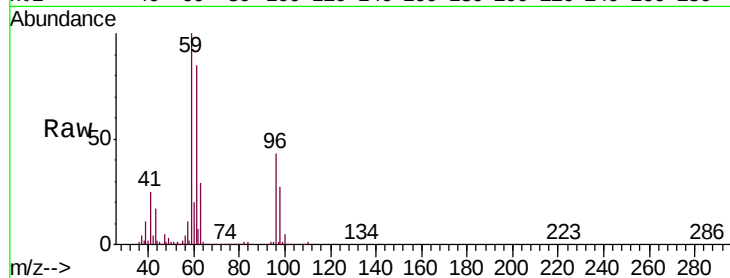




#17
 tert-Butyl alcohol
 Concen: 7.604 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

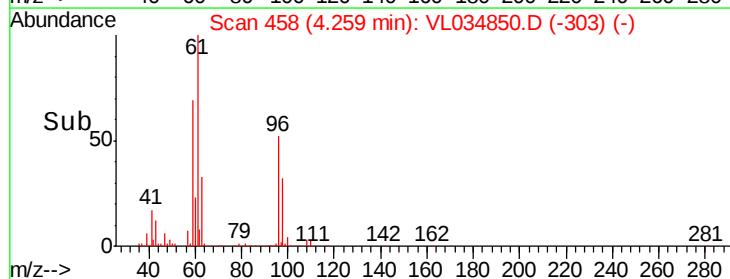
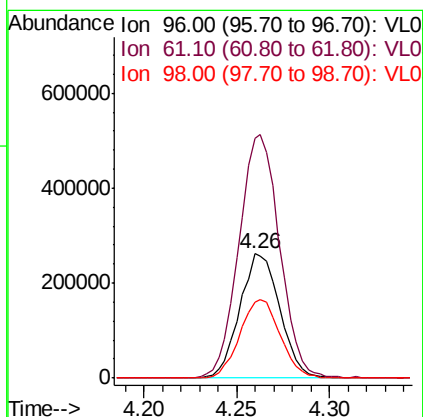
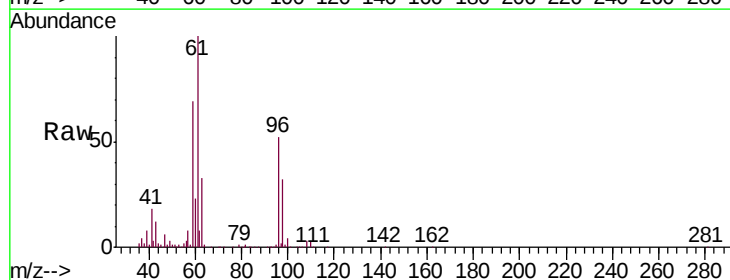
Instrument :
 MSVOA_L
 ClientSampleId :

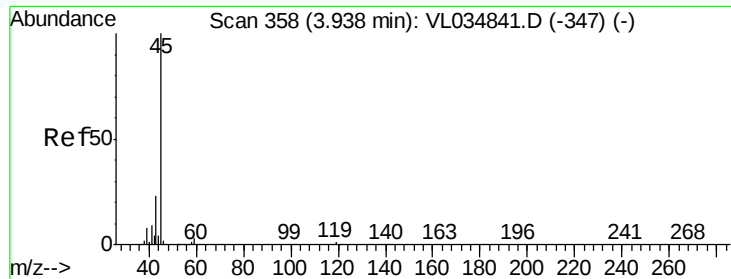
Tgt Ion: 59 Resp: 870264
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 9.516 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 96 Resp: 393850
 Ion Ratio Lower Upper
 96 100
 61 192.9 157.3 235.9
 98 60.9 50.2 75.4





#19

Isopropyl Alcohol

Concen: 7.771 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

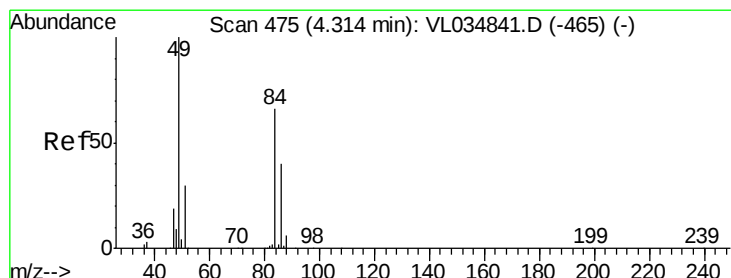
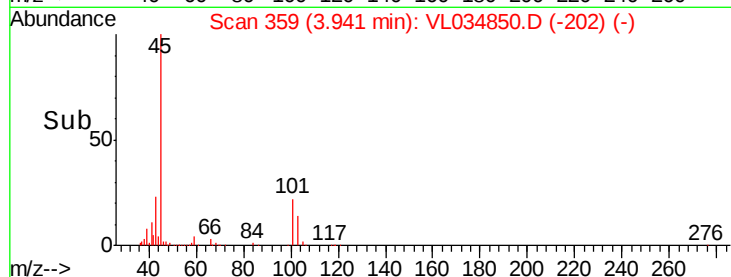
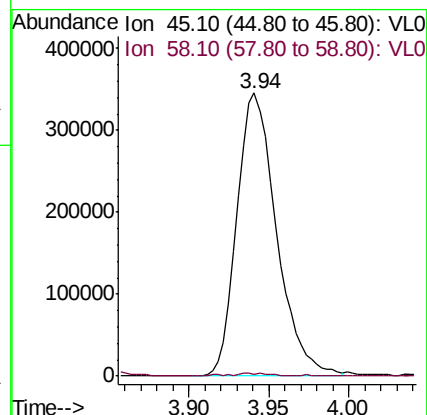
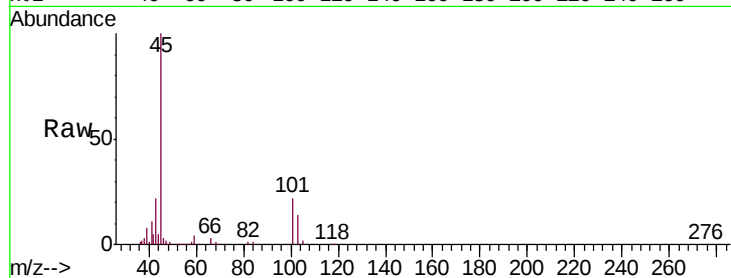
ClientSampleId :

Tgt Ion: 45 Resp: 583017

Ion Ratio Lower Upper

45 100

58 1.5 30.5 45.7#



#20

Methylene Chloride

Concen: 9.084 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion: 84 Resp: 341189

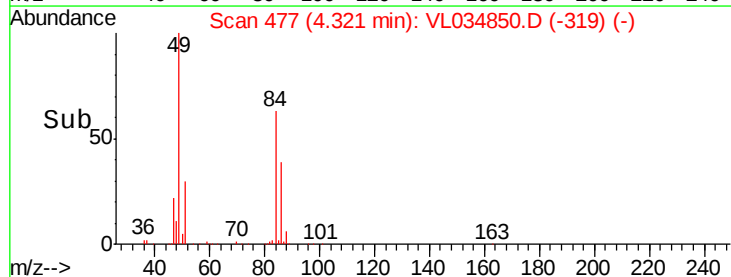
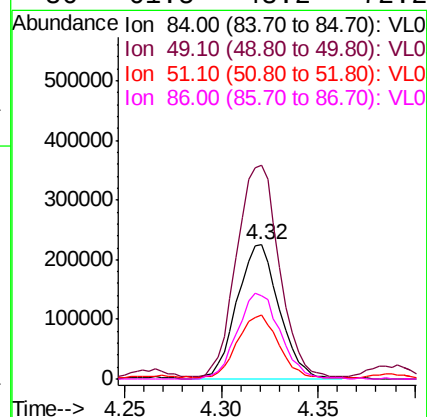
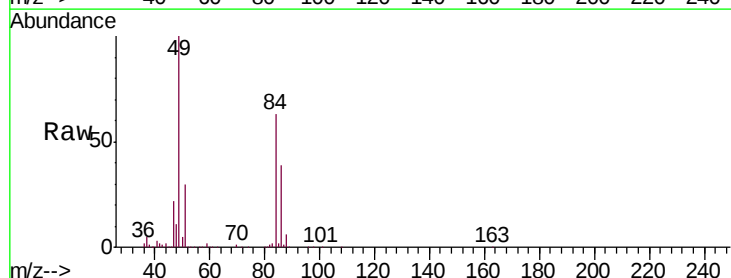
Ion Ratio Lower Upper

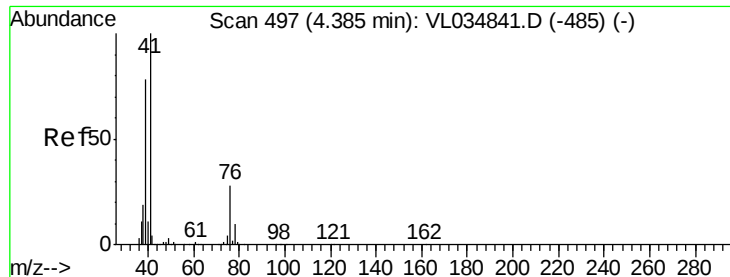
84 100

49 158.1 121.5 182.3

51 47.1 36.6 55.0

86 61.5 48.2 72.2

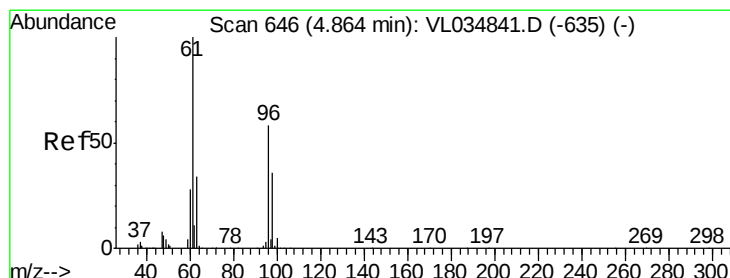
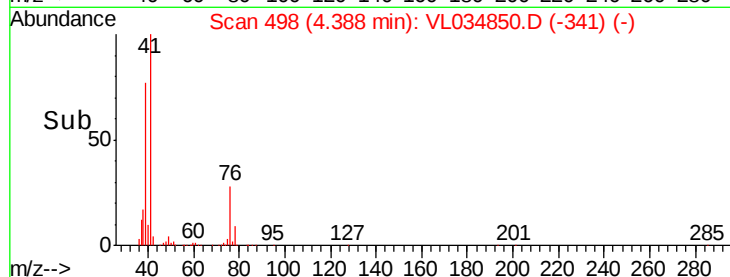
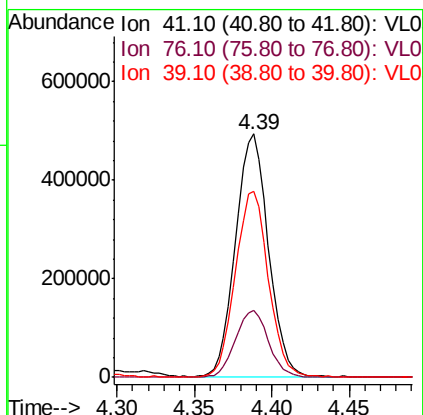
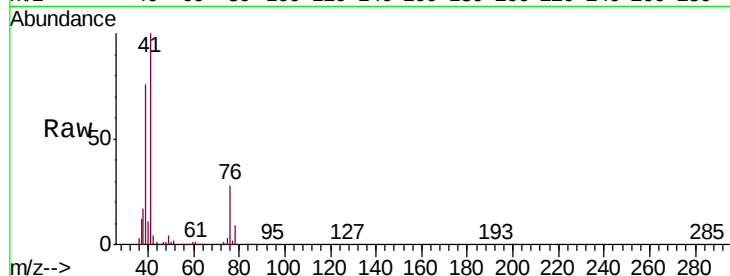




#21
 Allyl Chloride
 Concen: 9.534 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

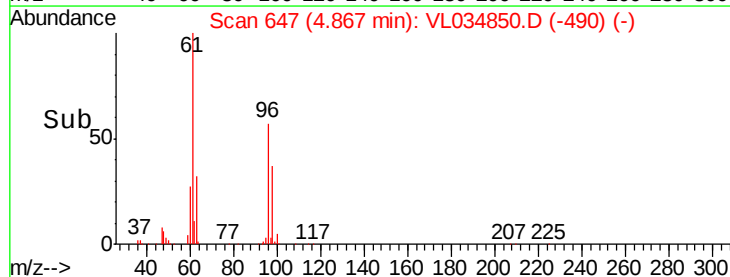
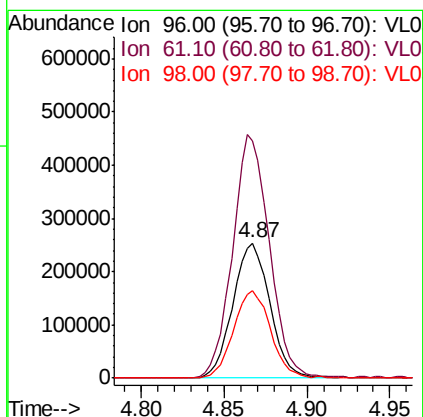
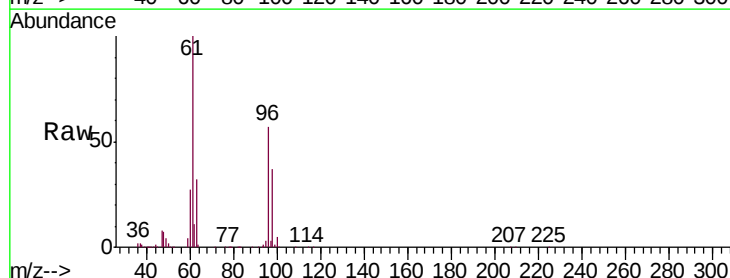
Instrument :
 MSVOA_L
 ClientSampleId :

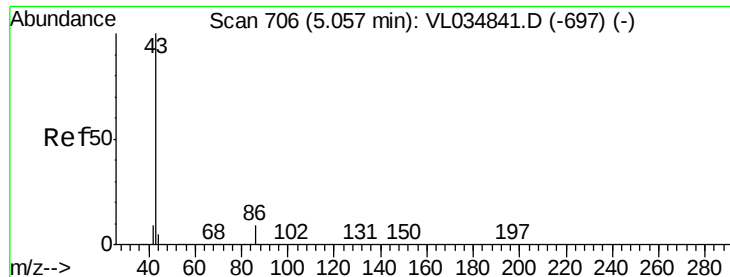
Tgt Ion	Ratio	Lower	Upper
41	100		
76	27.8	22.2	33.2
39	77.2	62.6	93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.404 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	139.0	208.6
98	65.0	50.3	75.5





#23

Vinyl Acetate

Concen: 9.785 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 1717172

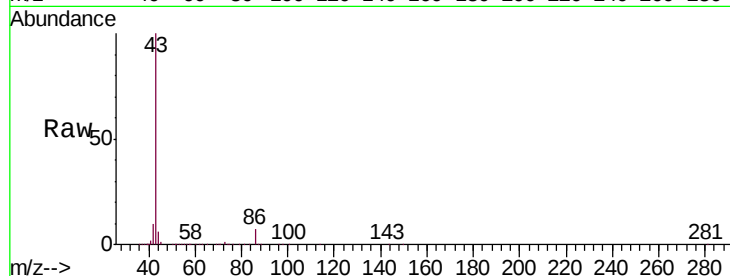
Ion Ratio Lower Upper

43 100

86 7.1 6.3 9.5

42 10.0 7.8 11.8

44 5.5 4.0 6.0

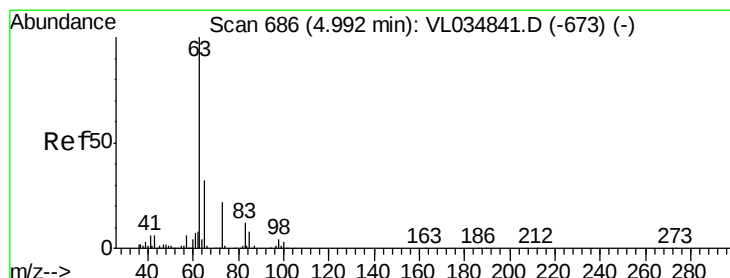
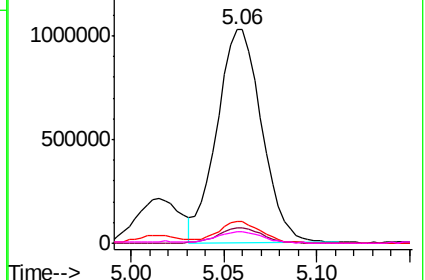
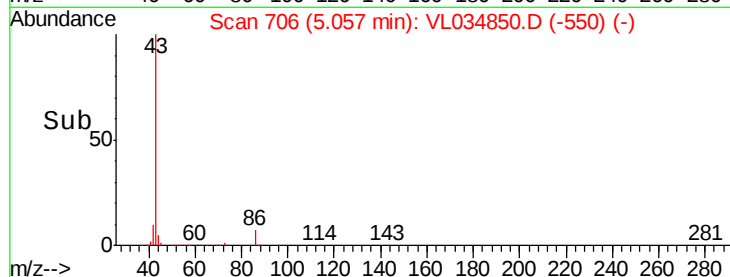


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.146 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

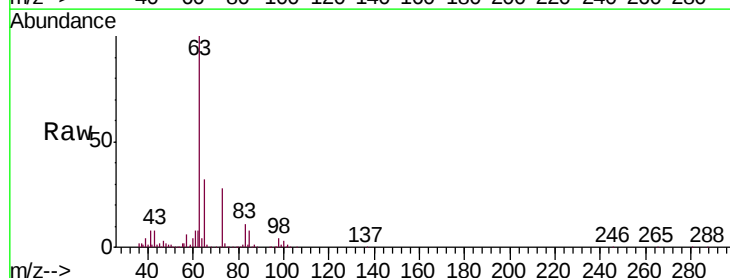
Tgt Ion: 63 Resp: 1075895

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

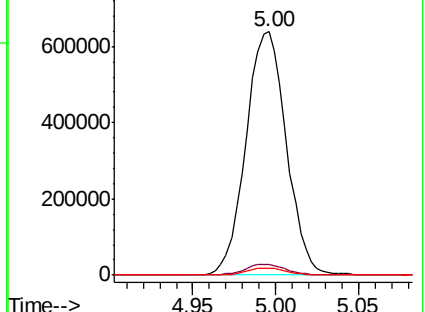
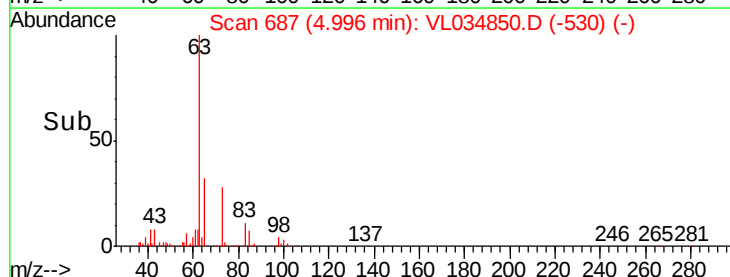
100 2.8 1.4 4.0

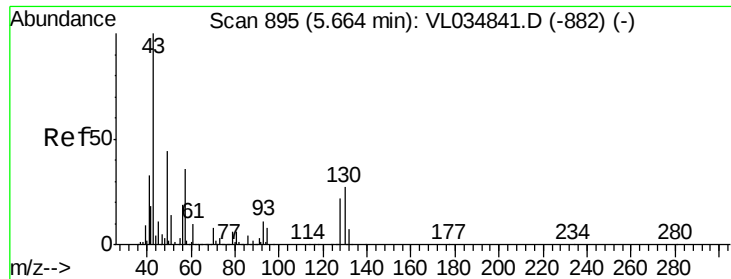


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



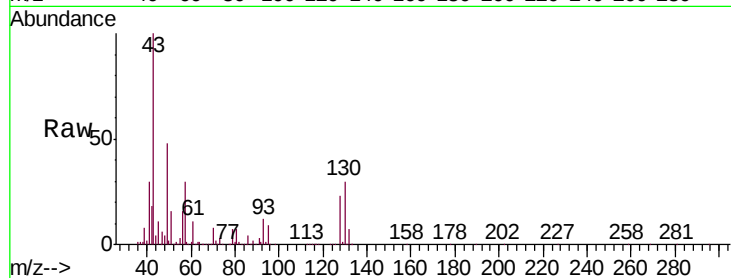


#25
Ethyl Acetate
Concen: 9.136 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1933517

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.8	7.8	11.6
70	7.4	5.8	8.8



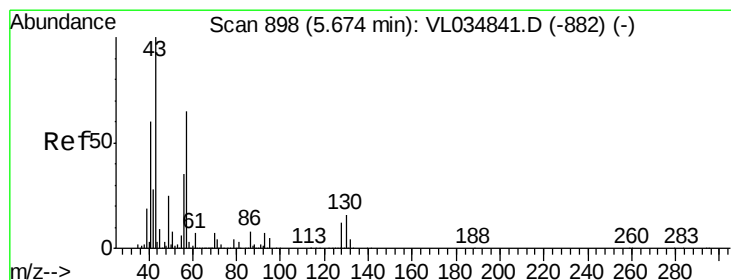
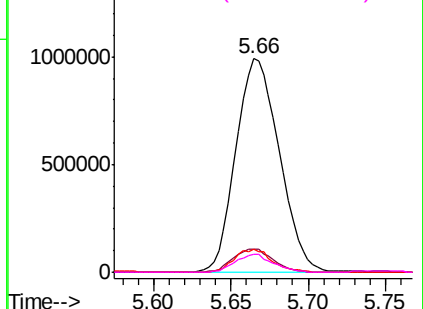
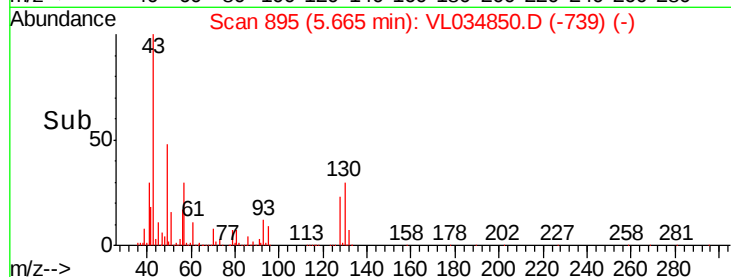
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

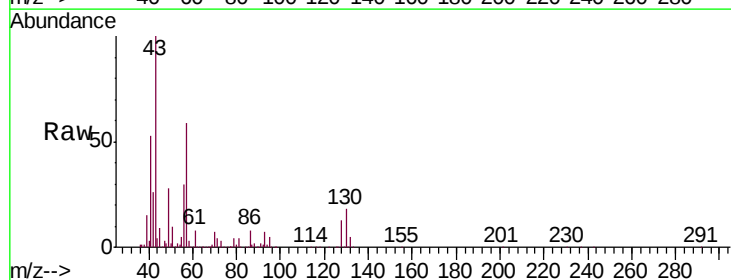
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.307 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 57 Resp: 848178

Ion	Ratio	Lower	Upper
57	100		
41	90.1	72.6	109.0
43	229.1	183.8	275.6
56	52.3	41.9	62.9



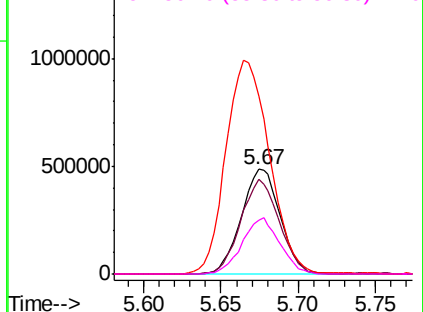
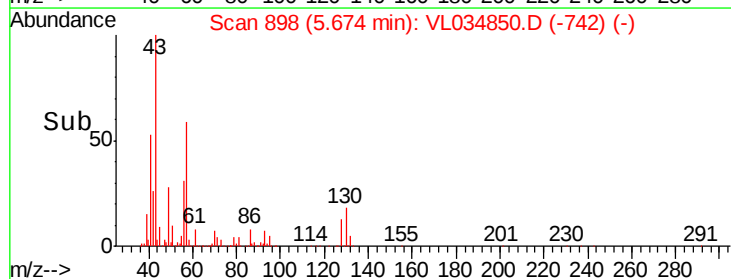
Abundance

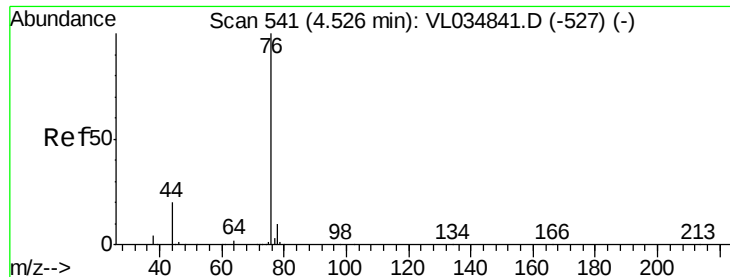
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.866 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

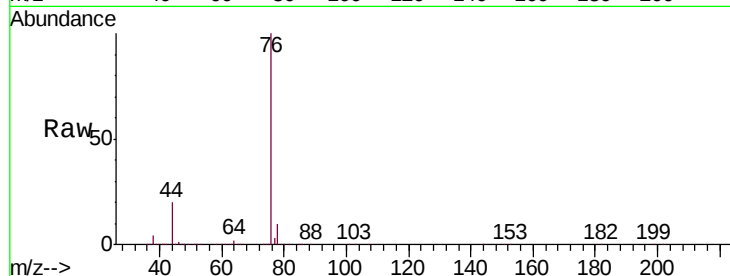
Tgt Ion: 76 Resp: 1020323

Ion Ratio Lower Upper

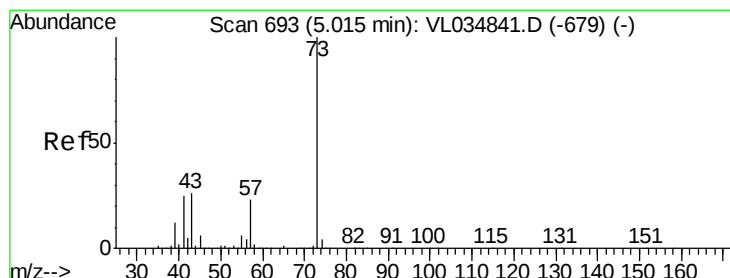
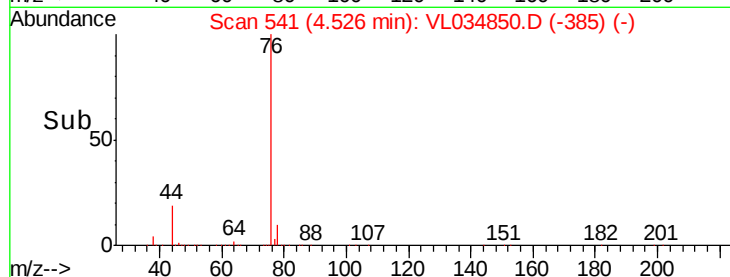
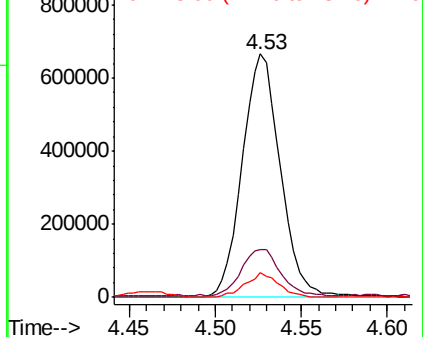
76 100

44 19.4 16.2 24.2

78 9.1 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: 9.465 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034850.D

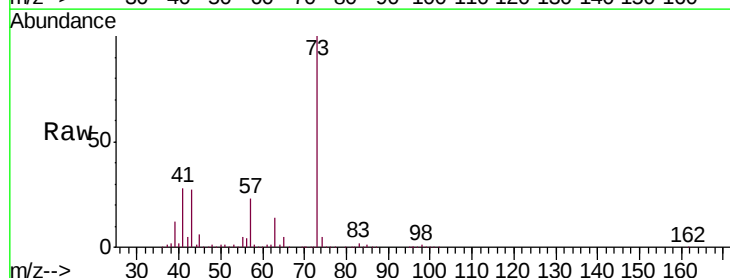
Acq: 9 Mar 2020 22:26

Tgt Ion: 73 Resp: 1435294

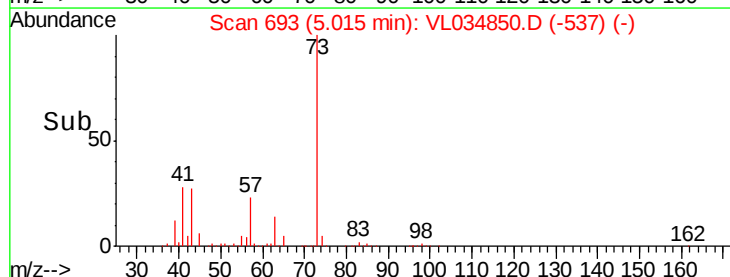
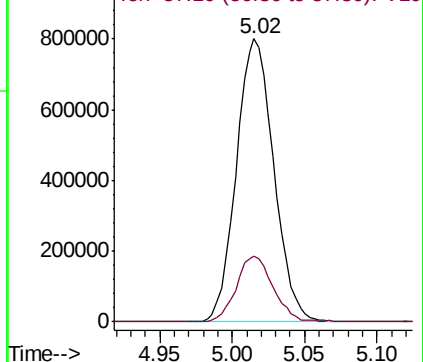
Ion Ratio Lower Upper

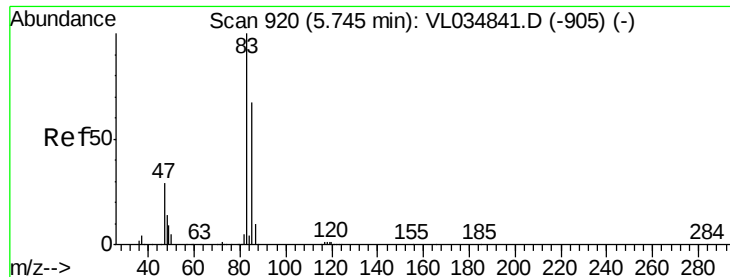
73 100

57 23.0 18.3 27.5



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





#29

Chloroform

Concen: 9.141 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

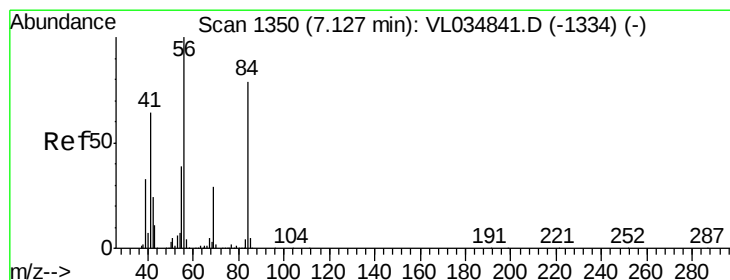
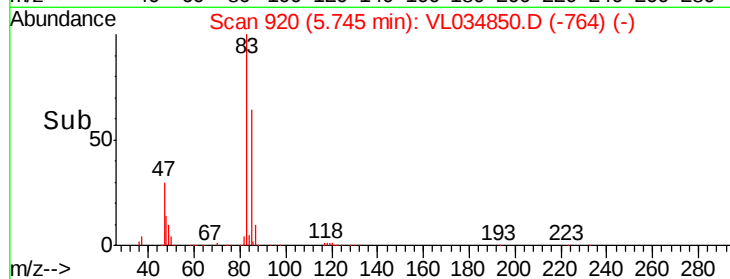
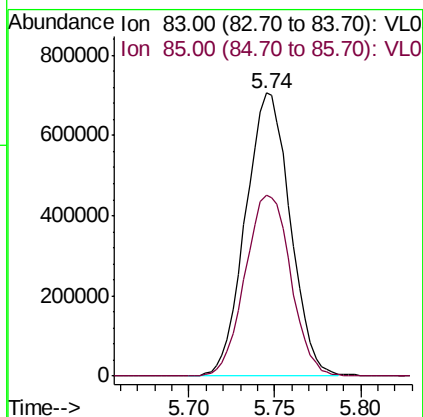
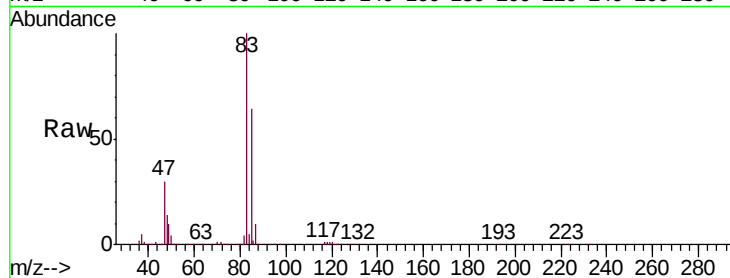
ClientSampleId :

Tgt Ion: 83 Resp: 1271161

Ion Ratio Lower Upper

83 100

85 63.7 53.8 80.6



#30

Cyclohexane

Concen: 9.550 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

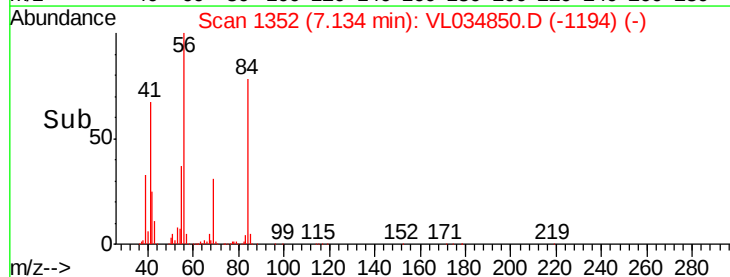
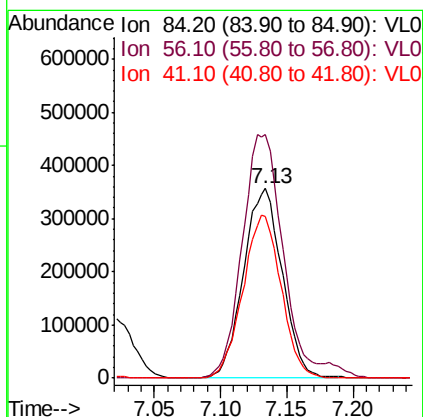
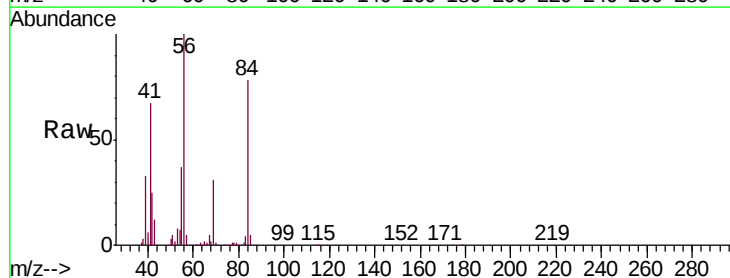
Tgt Ion: 84 Resp: 726164

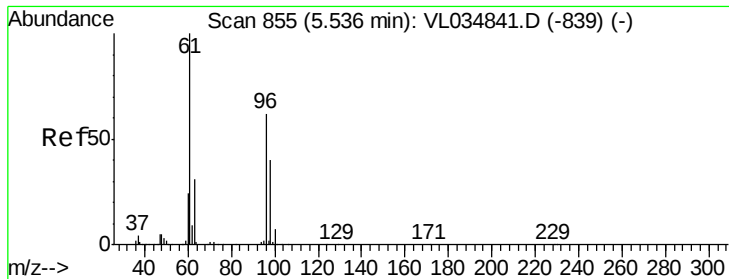
Ion Ratio Lower Upper

84 100

56 138.6 110.5 165.7

41 85.0 68.2 102.4



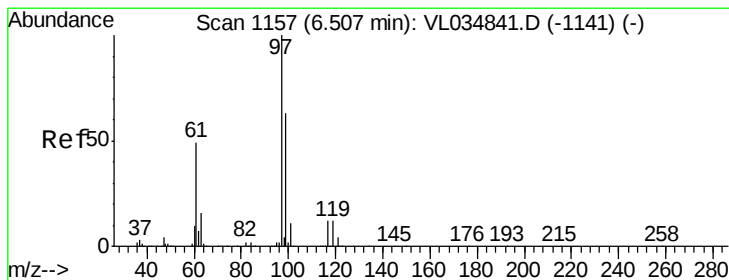
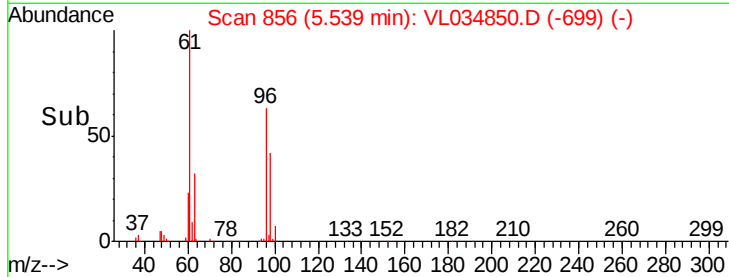
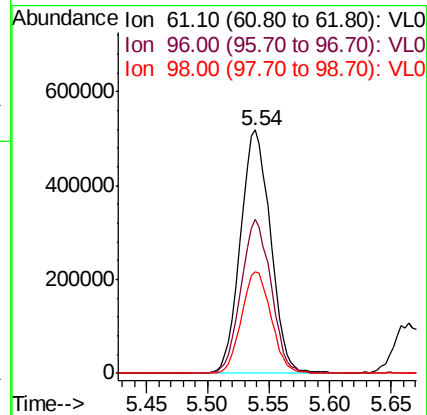
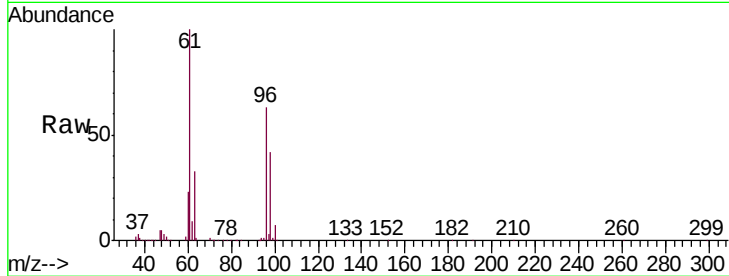


#31

cis-1,2-Dichloroethene
 Concen: 9.478 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :

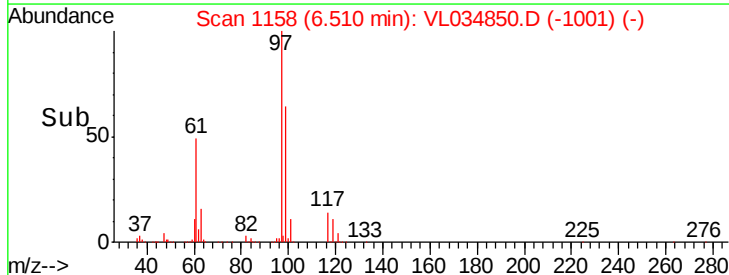
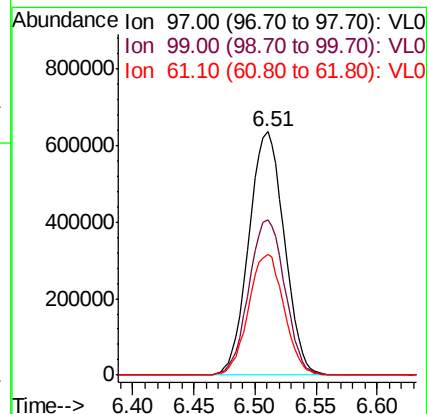
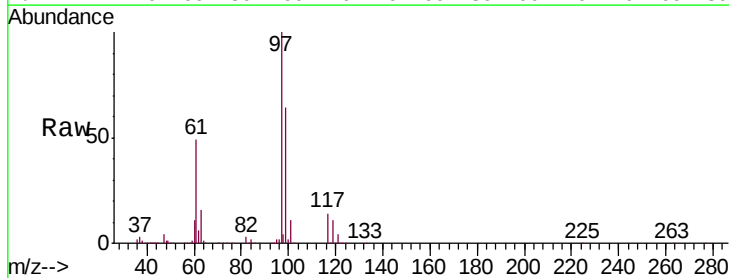
Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.4	49.8	74.8
98	41.9	32.2	48.4

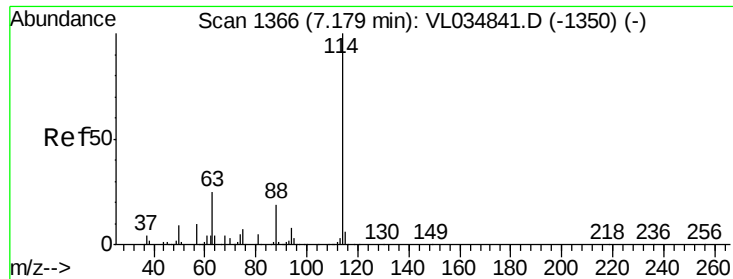


#32

1,1,1-Trichloroethane
 Concen: 9.424 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	49.7	39.7	59.5

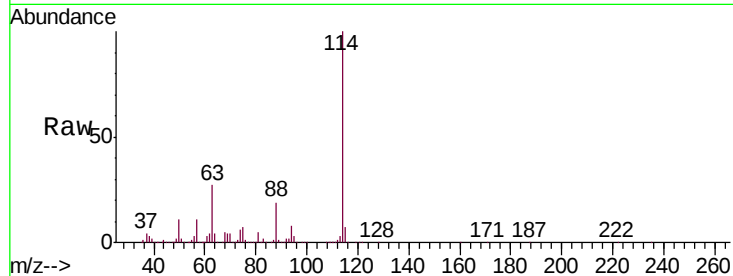




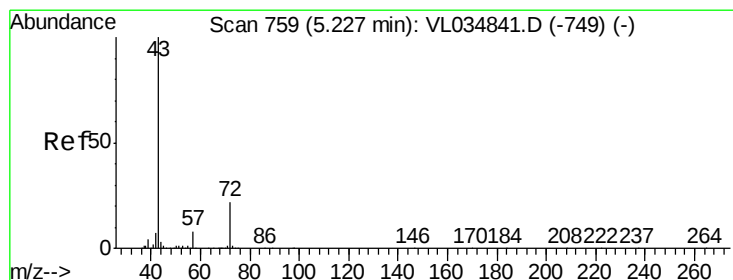
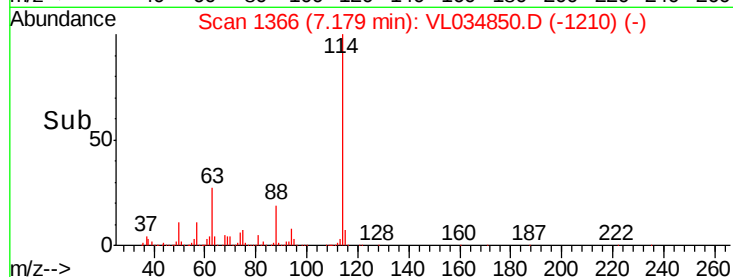
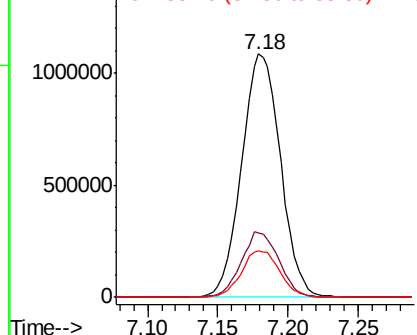
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampled :

Tgt Ion:114 Resp: 2095821
 Ion Ratio Lower Upper
 114 100
 63 26.6 20.6 31.0
 88 19.1 15.0 22.6

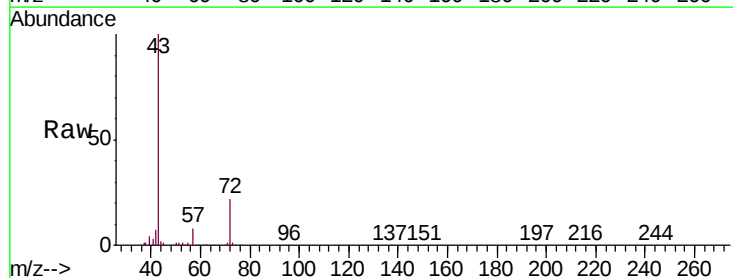


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

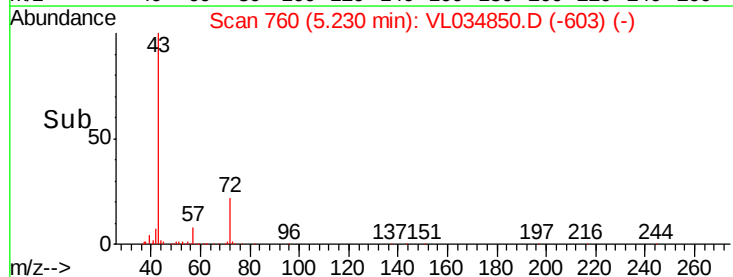
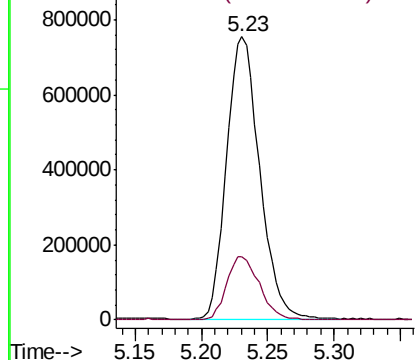


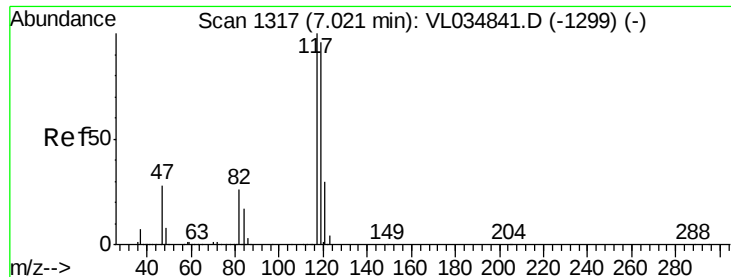
#34
 2-Butanone
 Concen: 9.389 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 43 Resp: 1307722
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 10.061 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

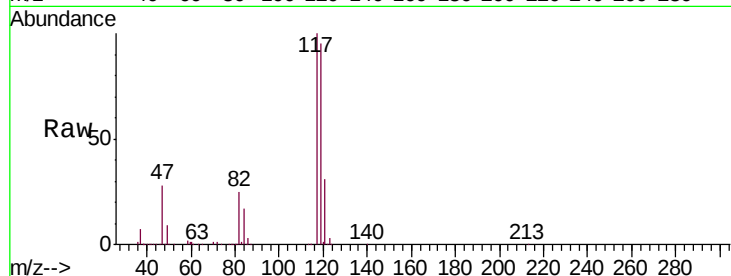
Tgt Ion:117 Resp: 1311544

Ion Ratio Lower Upper

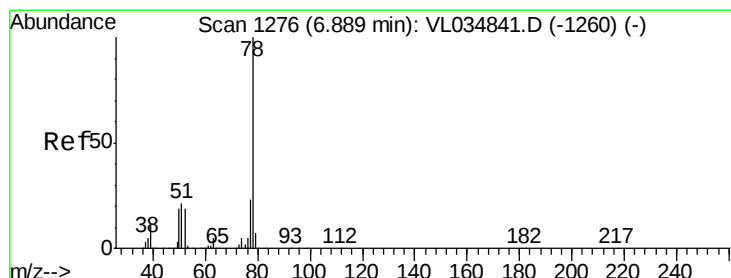
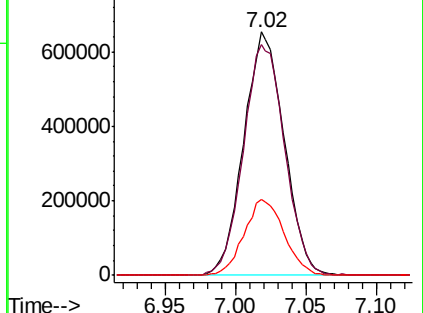
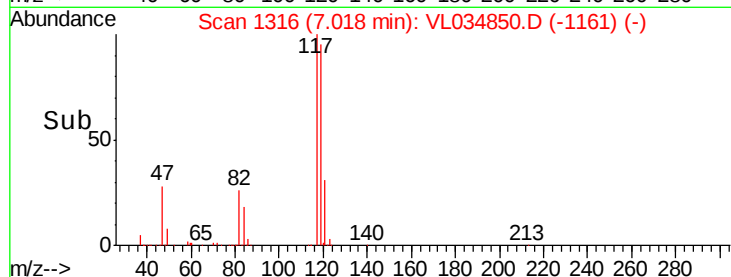
117 100

119 94.6 77.0 115.4

121 31.1 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: 9.253 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

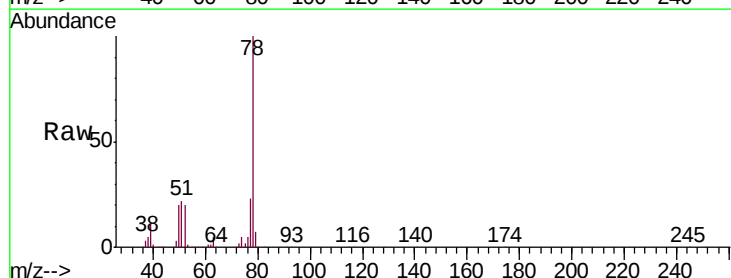
Tgt Ion: 78 Resp: 1728612

Ion Ratio Lower Upper

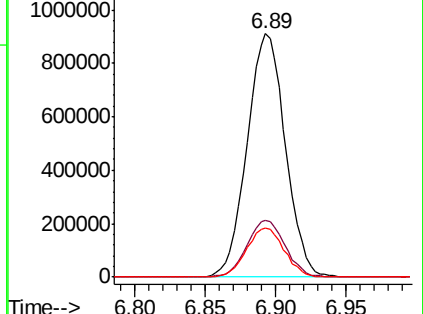
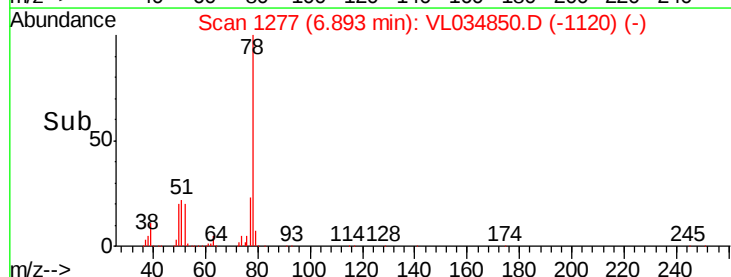
78 100

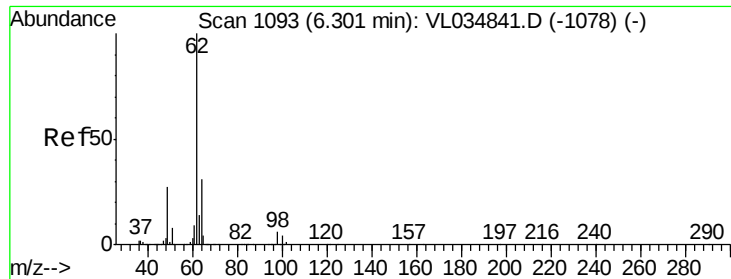
77 23.1 18.2 27.2

50 20.3 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: 9.459 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

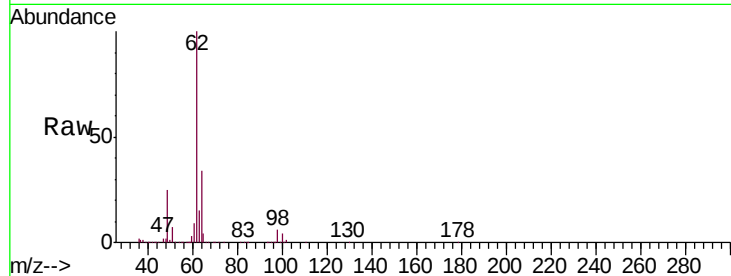
ClientSampleId :

Tgt Ion: 62 Resp: 996403

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

500000

400000

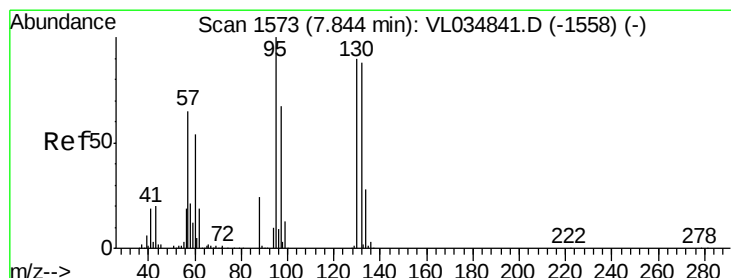
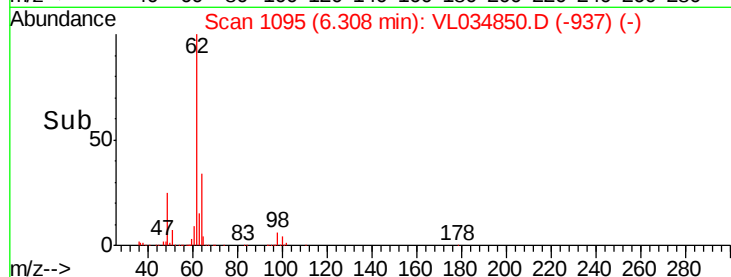
300000

200000

100000

0

Time-->



#38

Trichloroethene

Concen: 9.434 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion: 130 Resp: 669319

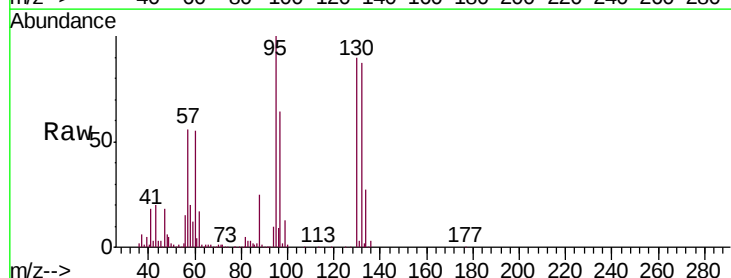
Ion Ratio Lower Upper

130 100

95 111.5 88.5 132.7

132 96.6 78.0 117.0

97 71.7 59.3 88.9



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

500000

400000

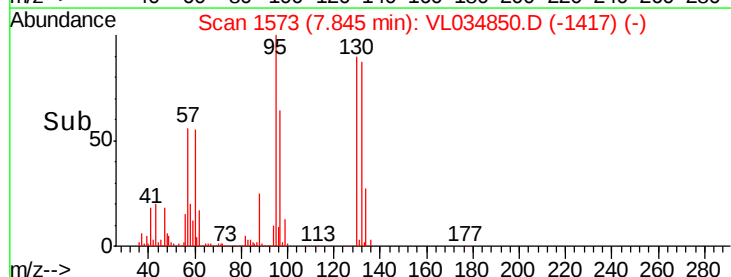
300000

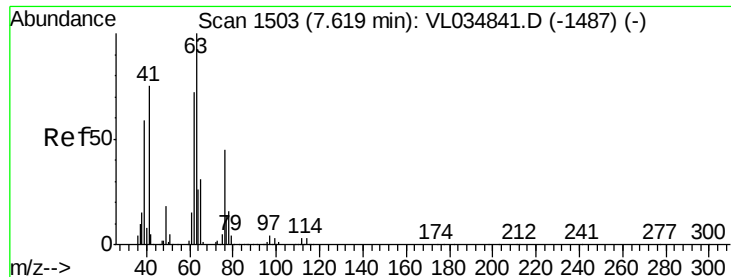
200000

100000

0

Time-->

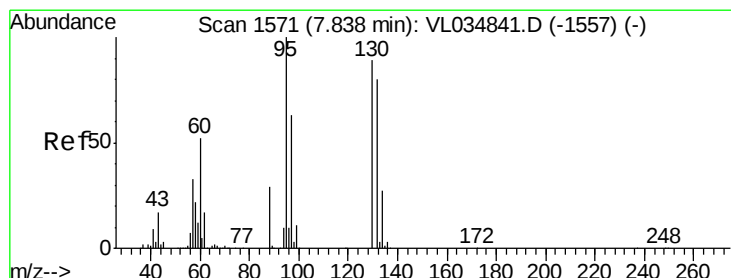
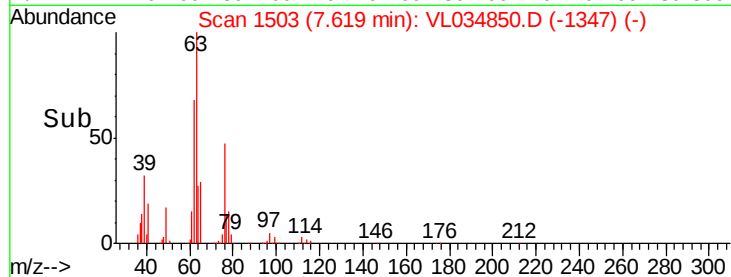
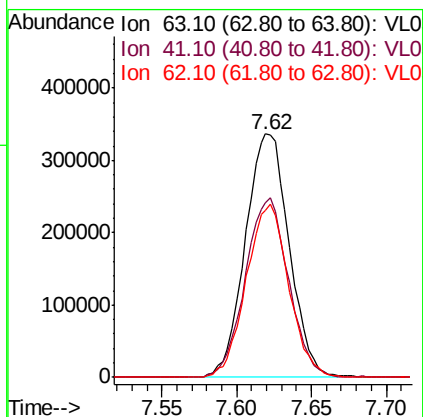
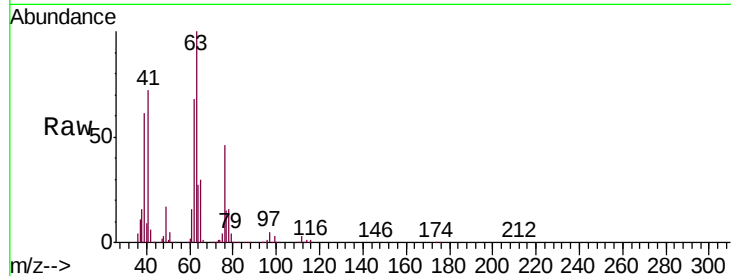




#39
 1,2-Dichloropropane
 Concen: 9.211 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

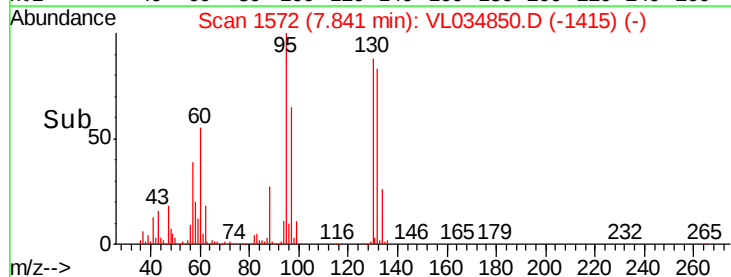
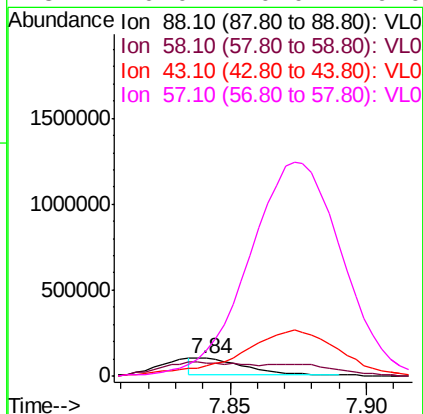
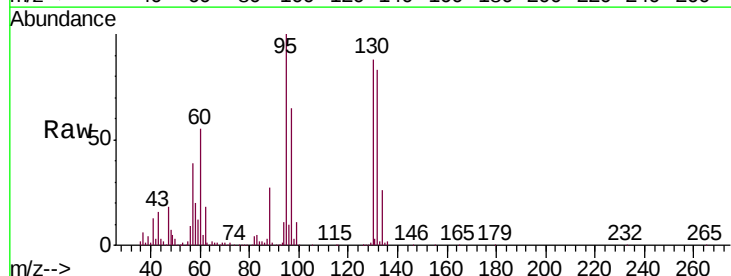
Instrument :
 MSVOA_L
 ClientSampleId :

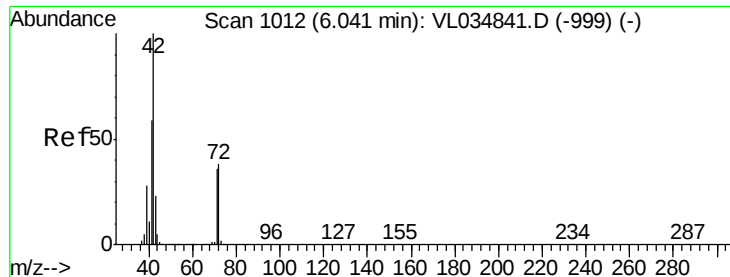
Tgt Ion: 63 Resp: 681776
 Ion Ratio Lower Upper
 63 100
 41 71.7 59.8 89.8
 62 68.4 57.6 86.4



#40
 1,4-Dioxane
 Concen: 4.329 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 88 Resp: 120997
 Ion Ratio Lower Upper
 88 100
 58 255.0 103.9 155.9#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

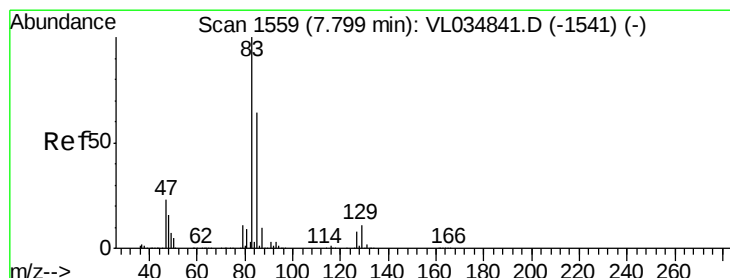
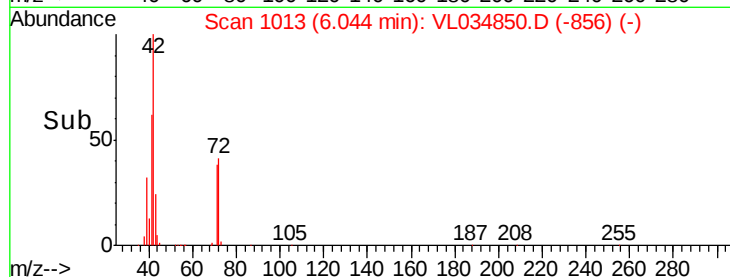
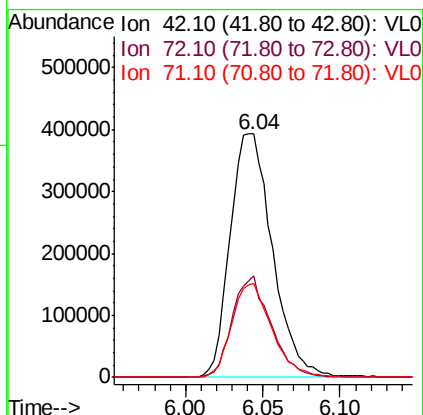
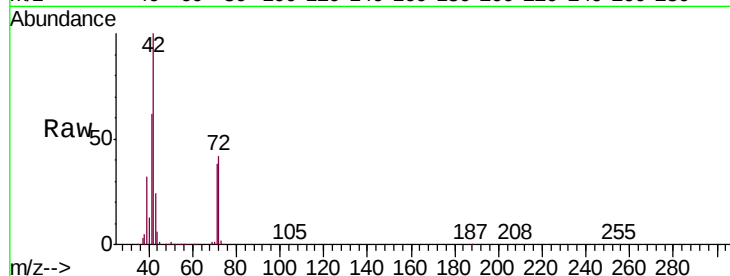




#41
Tetrahydrofuran
Concen: 9.891 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

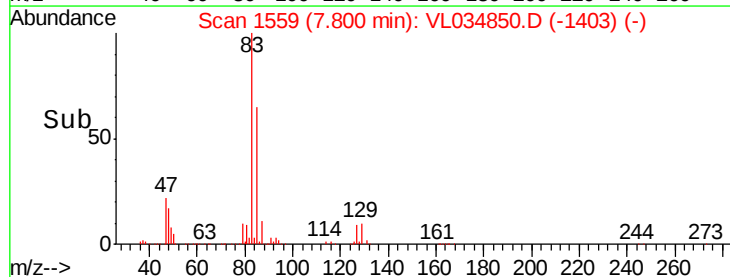
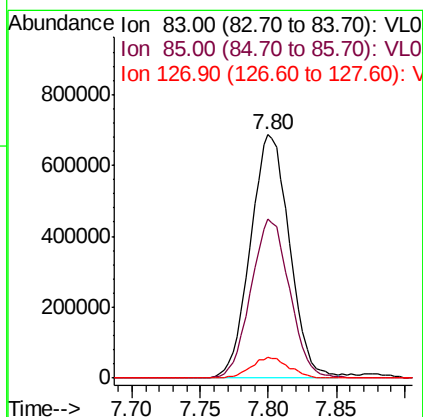
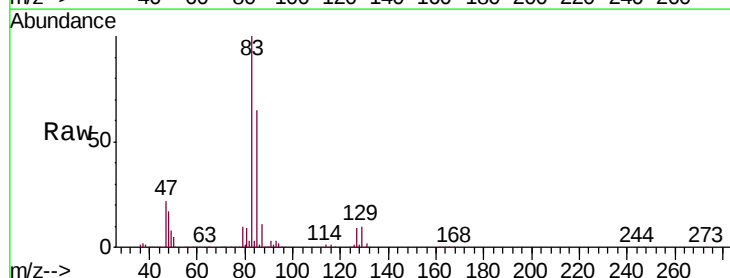
Instrument :
MSVOA_L
ClientSampled :

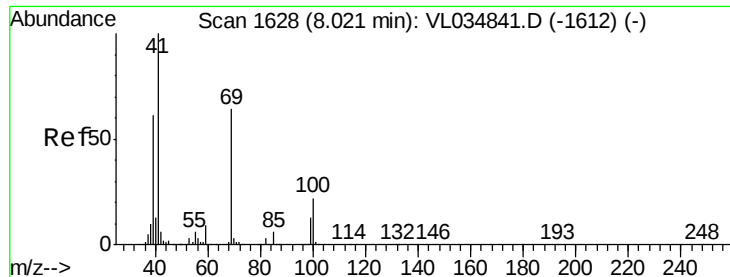
Tgt Ion: 42 Resp: 745384
Ion Ratio Lower Upper
42 100
72 38.2 30.8 46.2
71 36.9 30.1 45.1



#42
Bromodichloromethane
Concen: 9.515 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 83 Resp: 1365921
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2
127 8.6 6.2 9.4

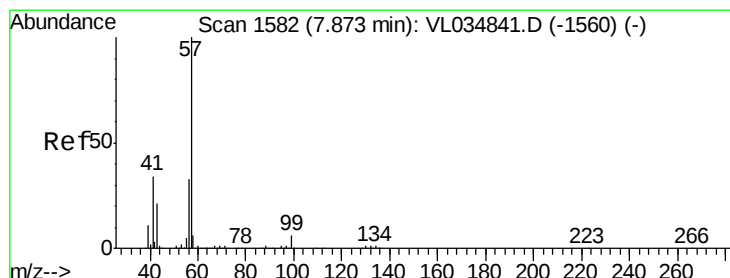
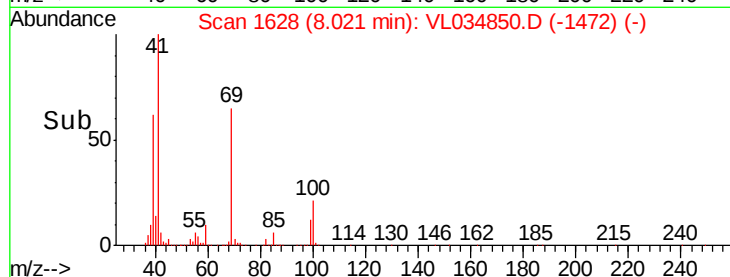
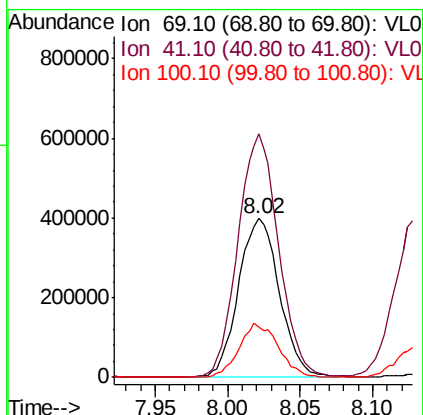
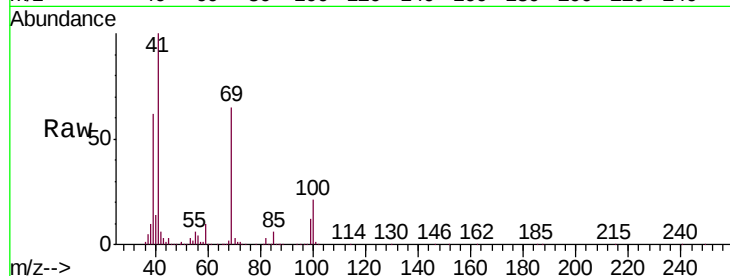




#43
Methyl Methacrylate
Concen: 9.950 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

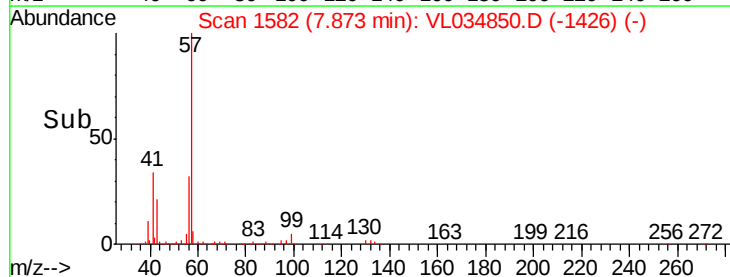
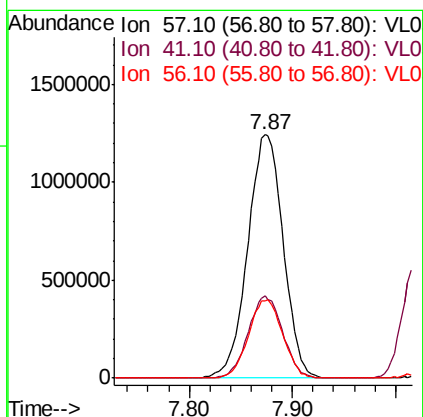
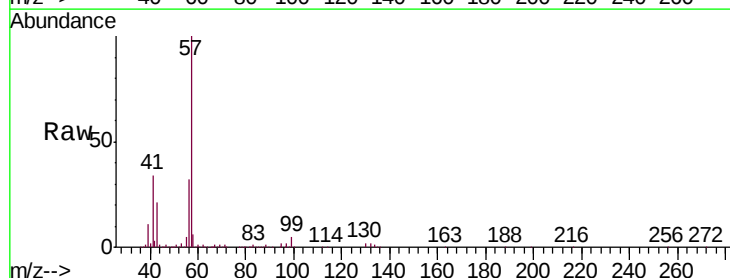
Instrument :
MSVOA_L
ClientSampleId :

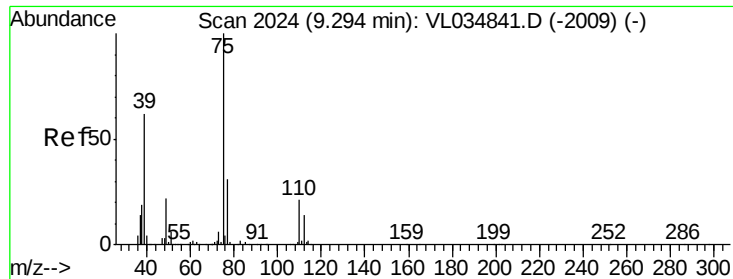
Tgt Ion: 69 Resp: 783098
Ion Ratio Lower Upper
69 100
41 152.0 123.2 184.8
100 32.6 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.380 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 57 Resp: 2961145
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.2 25.0 37.4

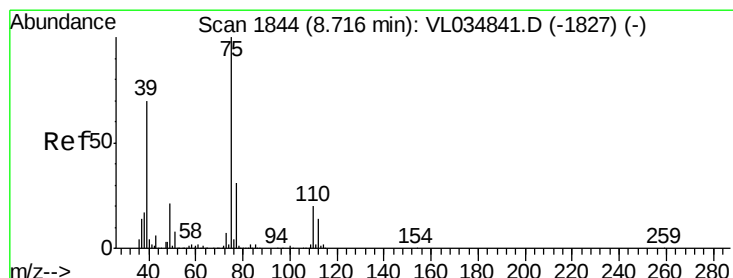
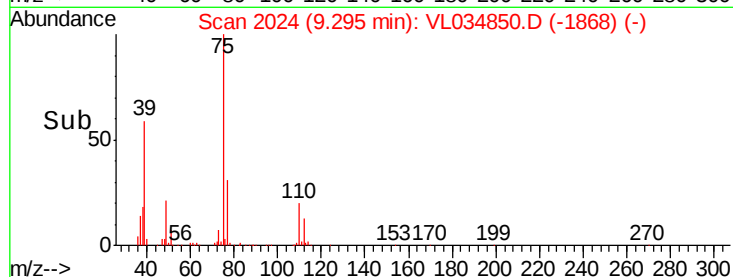
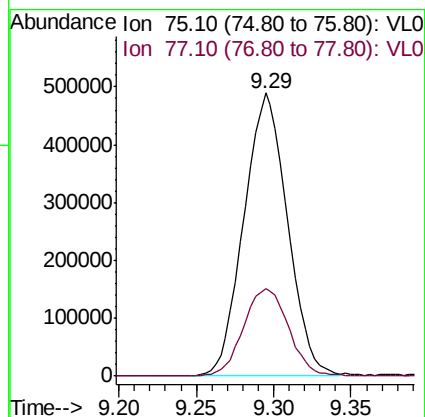
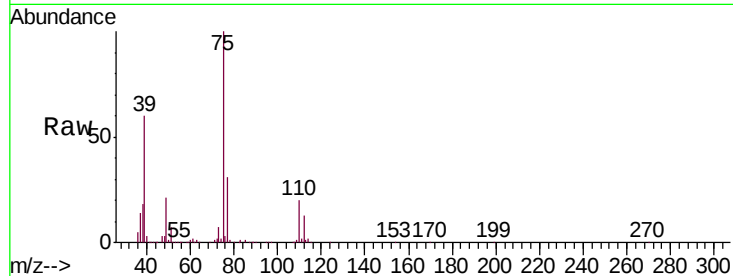




#45
 t-1,3-Dichloropropene
 Concen: 10.359 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

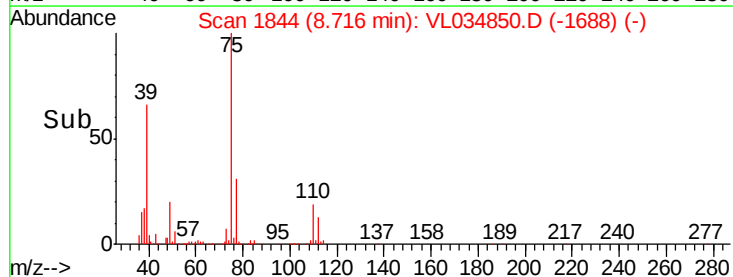
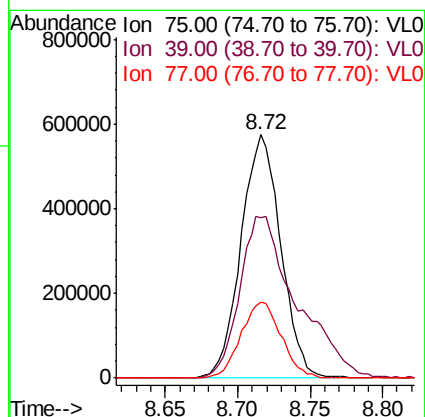
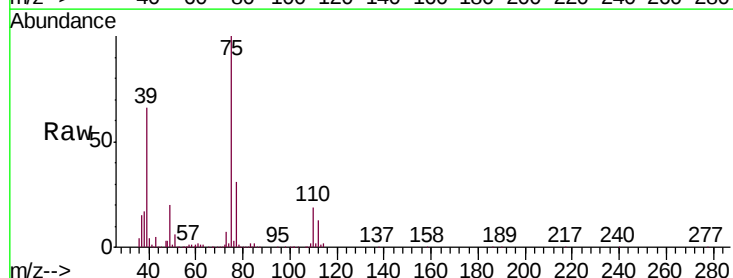
Instrument :
 MSVOA_L
 ClientSampled :

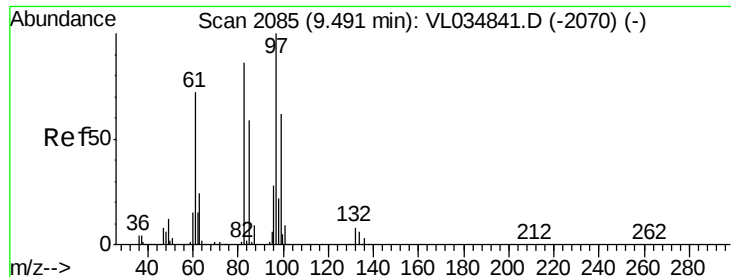
Tgt Ion: 75 Resp: 957830
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 9.983 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 75 Resp: 1096915
 Ion Ratio Lower Upper
 75 100
 39 65.7 55.7 83.5
 77 31.1 24.7 37.1

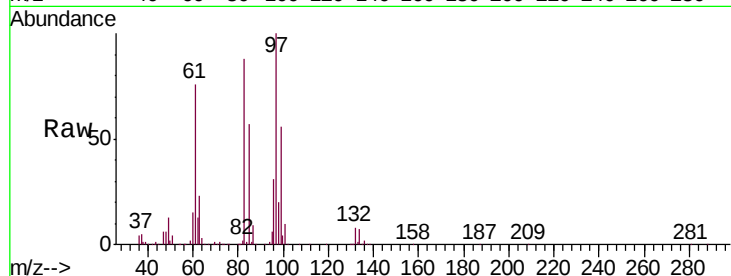




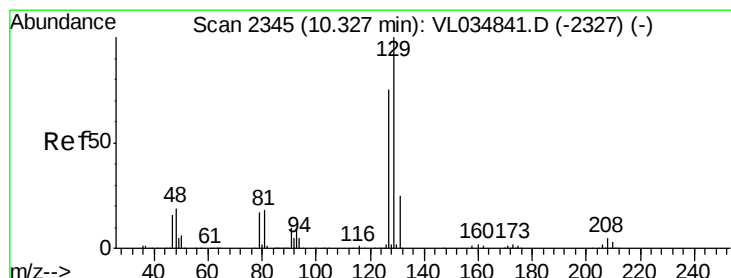
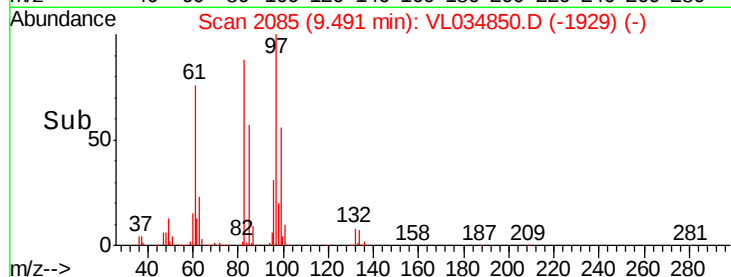
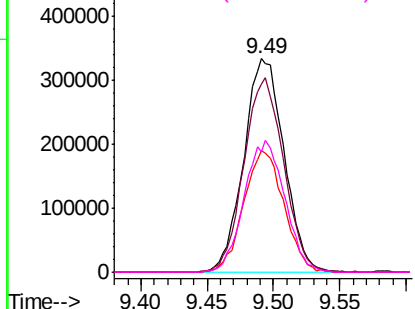
#47
 1,1,2-Trichloroethane
 Concen: 9.284 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 97 Resp: 705201
 Ion Ratio Lower Upper
 97 100
 83 88.3 68.6 102.8
 85 57.0 46.9 70.3
 99 56.3 49.9 74.9

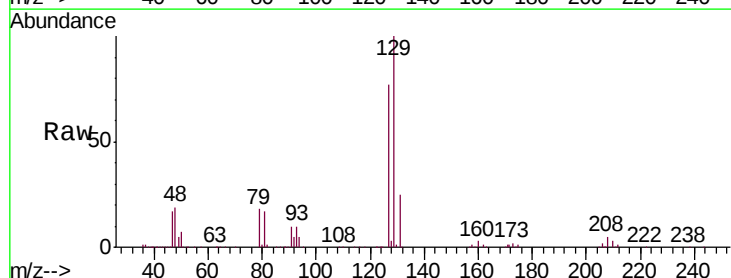


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

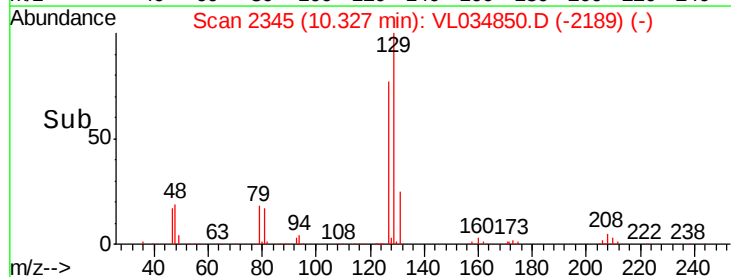
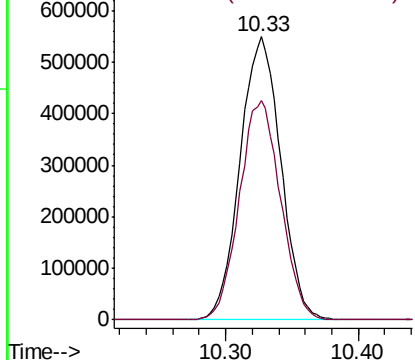


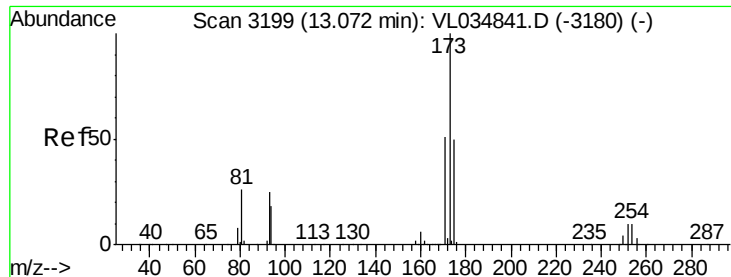
#48
 Dibromochloromethane
 Concen: 9.518 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 129 Resp: 1170770
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.6 118.7



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





#49

Bromoform

Concen: 9.428 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

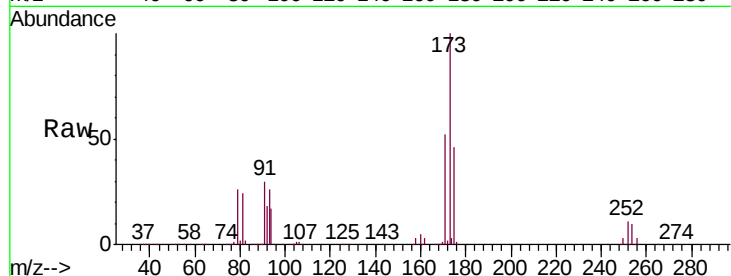
Tgt Ion:173 Resp: 1034090

Ion Ratio Lower Upper

173 100

175 49.2 39.6 59.4

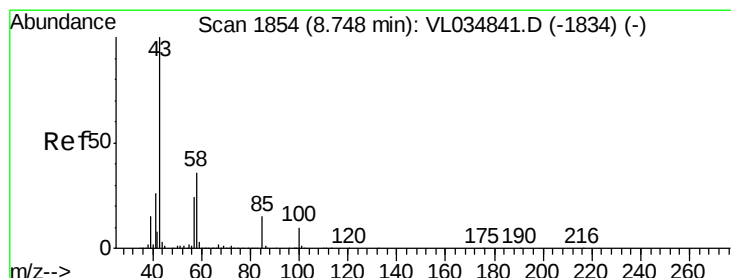
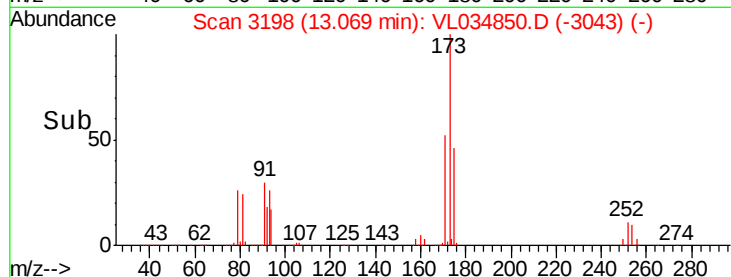
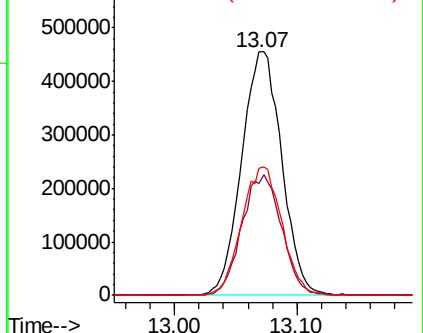
171 52.8 41.0 61.6



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: 9.510 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034850.D

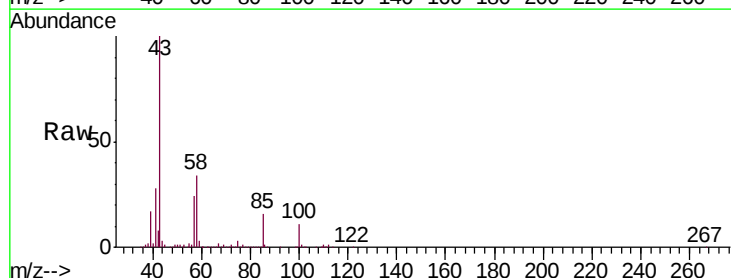
Acq: 9 Mar 2020 22:26

Tgt Ion: 43 Resp: 1906717

Ion Ratio Lower Upper

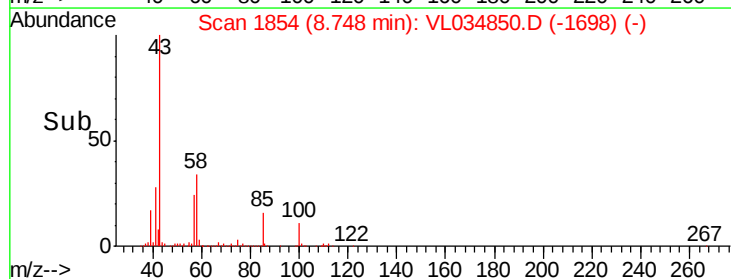
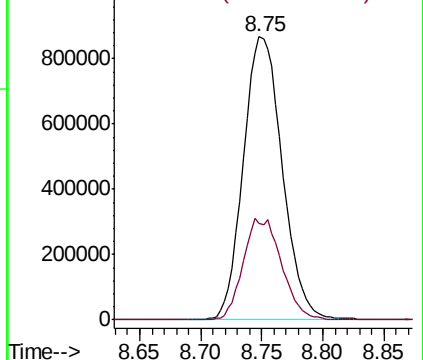
43 100

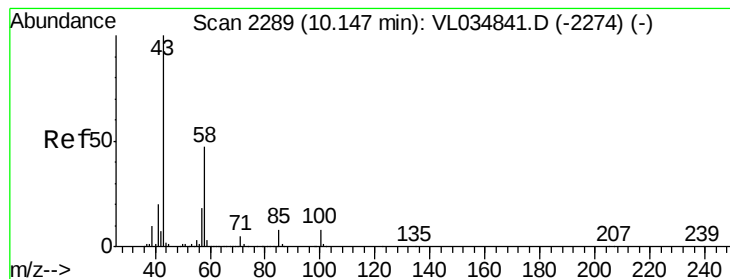
58 35.4 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.622 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

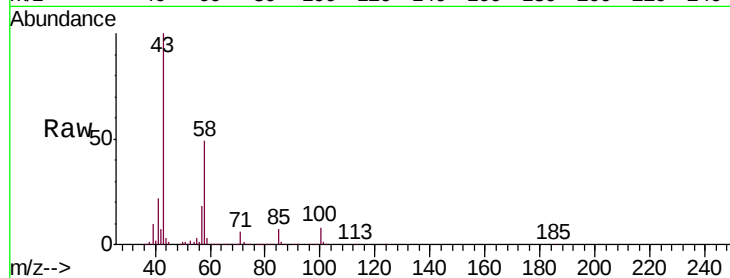
Tgt Ion: 43 Resp: 1567704

Ion Ratio Lower Upper

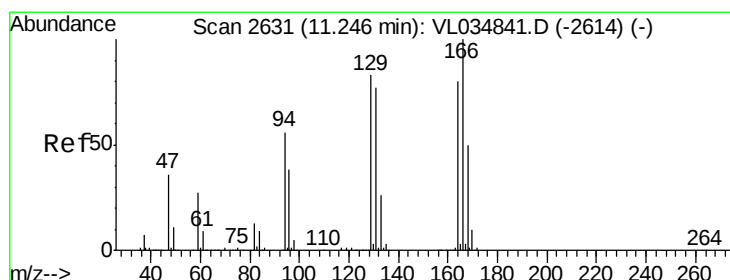
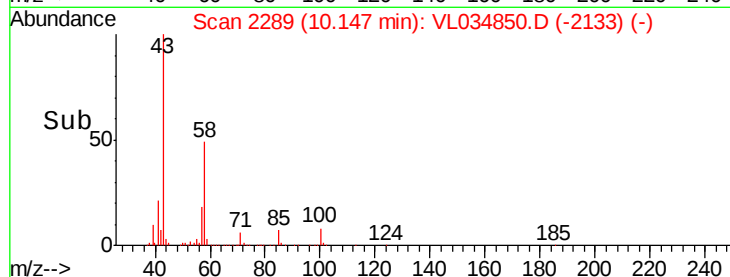
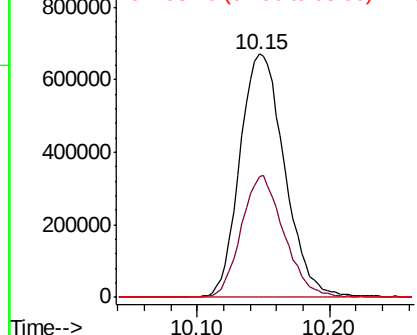
43 100

58 48.2 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: 8.430 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion: 164 Resp: 623038

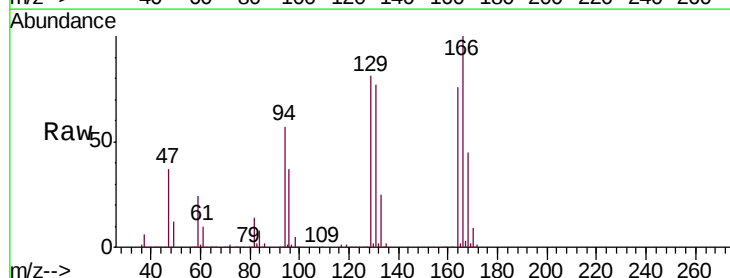
Ion Ratio Lower Upper

164 100

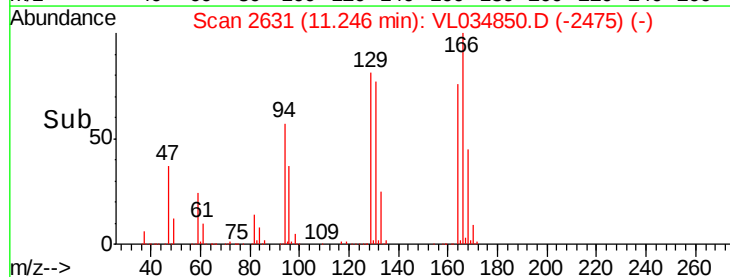
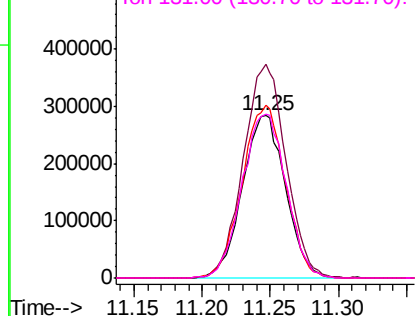
166 131.3 100.0 150.0

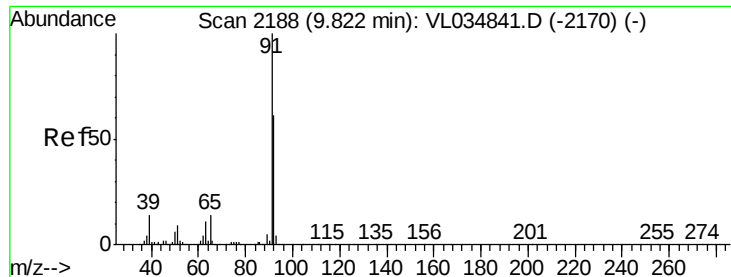
129 106.2 83.1 124.7

131 100.7 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: 9.371 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

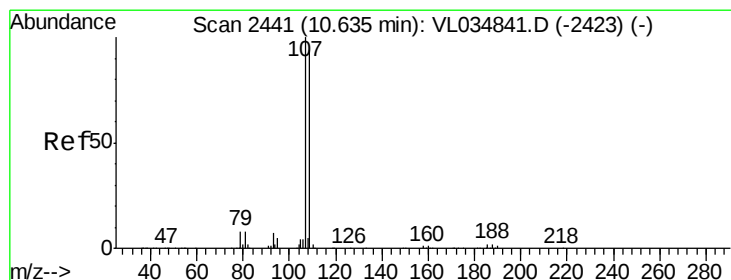
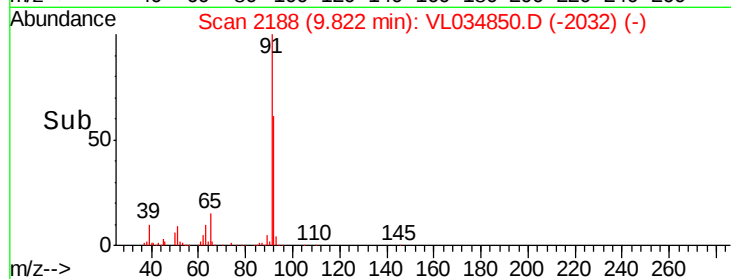
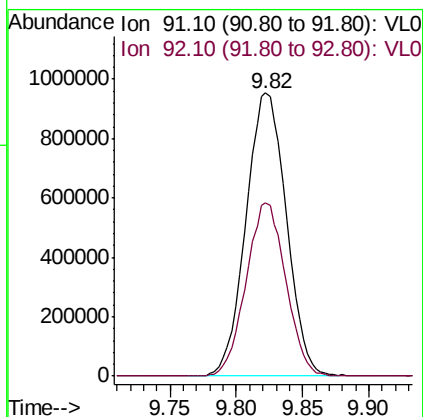
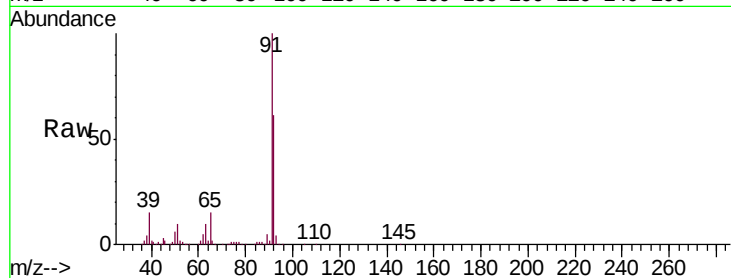
ClientSampleId :

Tgt Ion: 91 Resp: 2021541

Ion Ratio Lower Upper

91 100

92 60.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.224 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034850.D

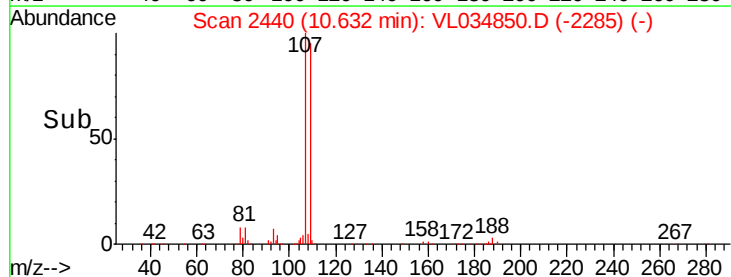
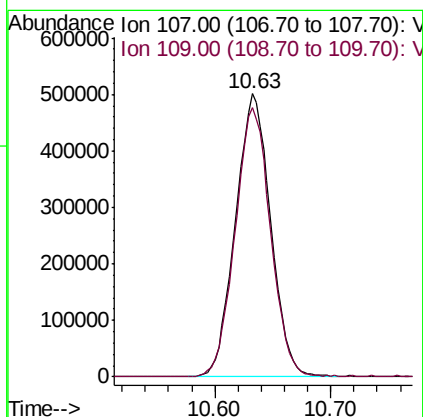
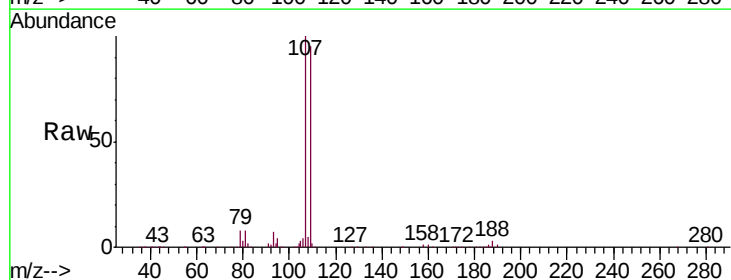
Acq: 9 Mar 2020 22:26

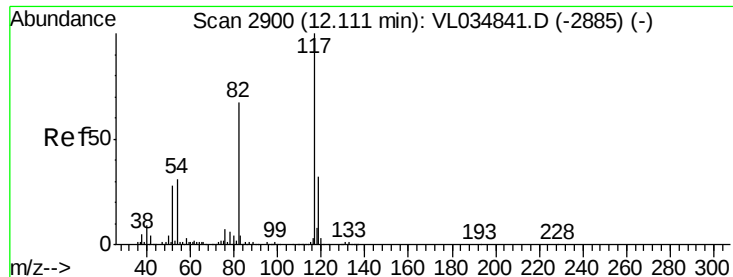
Tgt Ion: 107 Resp: 1054676

Ion Ratio Lower Upper

107 100

109 95.2 74.9 112.3

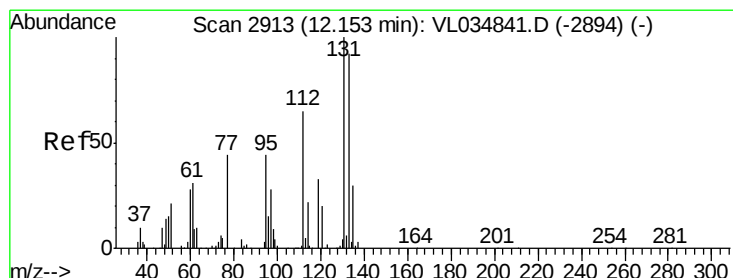
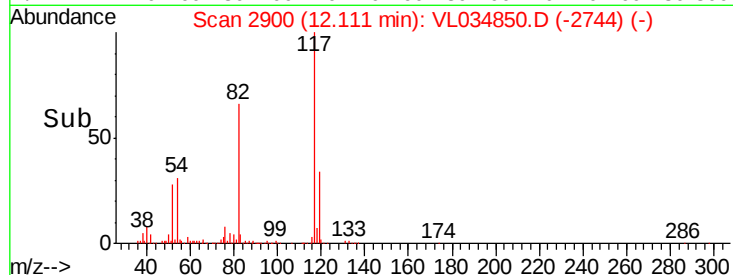
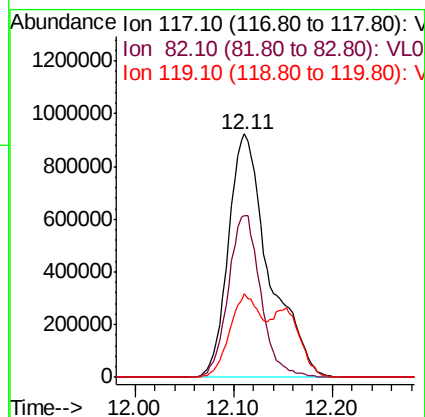
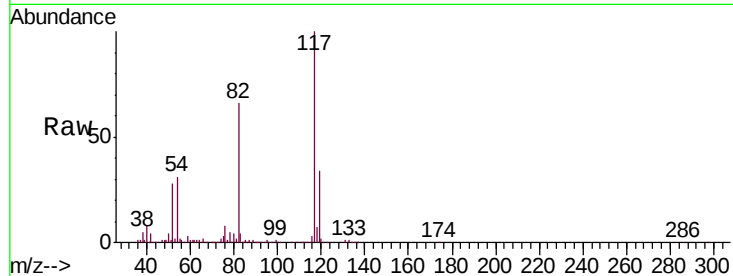




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

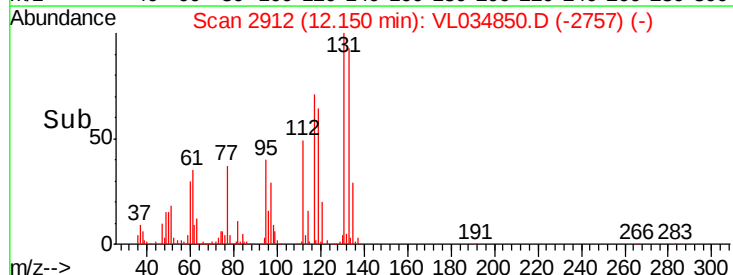
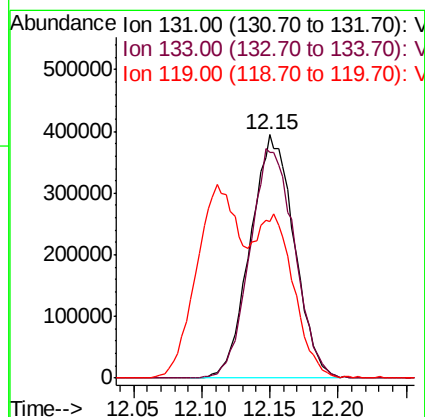
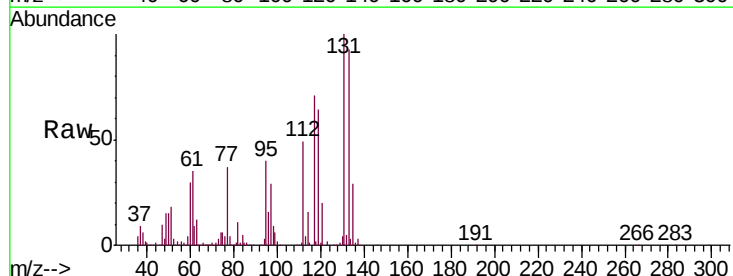
Instrument :
MSVOA_L
ClientSampleId :

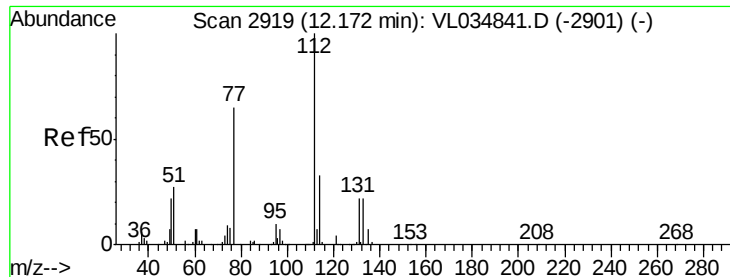
Tgt Ion:117 Resp: 2643256
Ion Ratio Lower Upper
117 100
82 53.3 51.1 76.7
119 26.8 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.437 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion:131 Resp: 883047
Ion Ratio Lower Upper
131 100
133 96.3 76.0 114.0
119 59.8 47.8 71.8

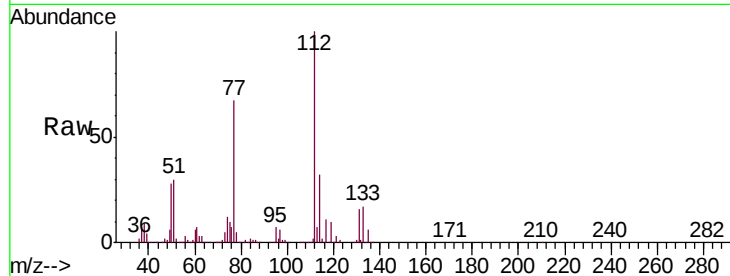




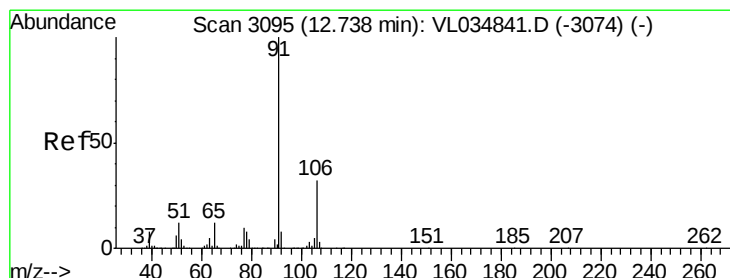
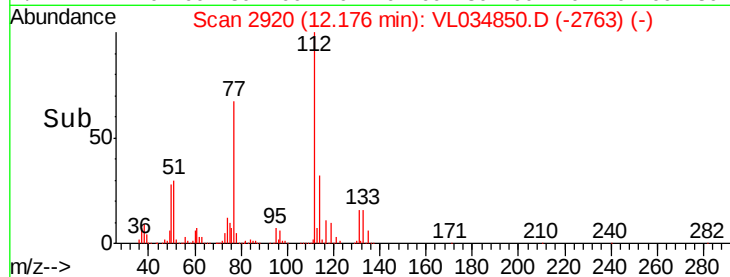
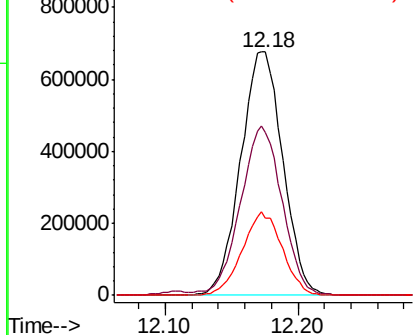
#57
Chlorobenzene
Concen: 7.213 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 112 Resp: 1491811
Ion Ratio Lower Upper
112 100
77 66.9 53.0 79.6
114 31.9 29.5 36.1

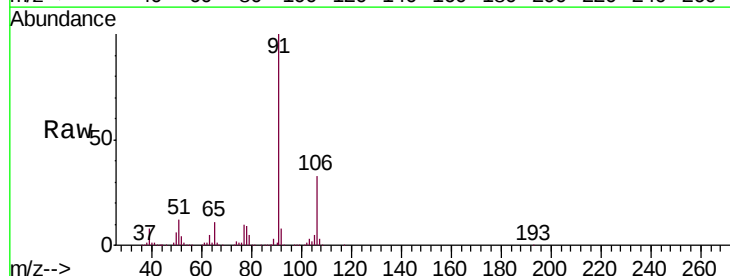


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

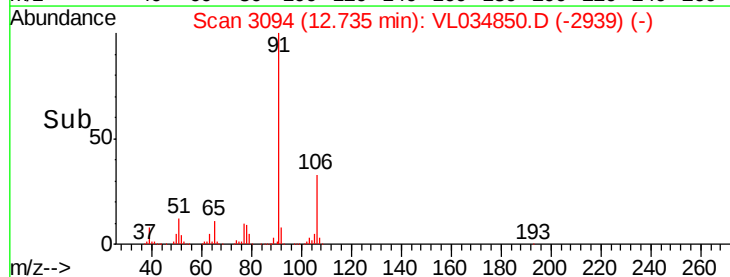
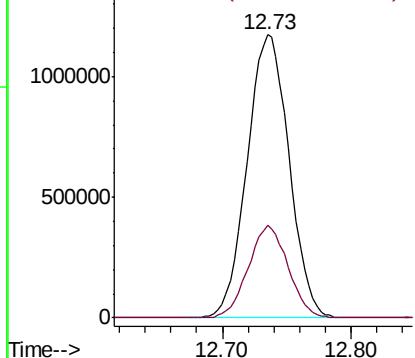


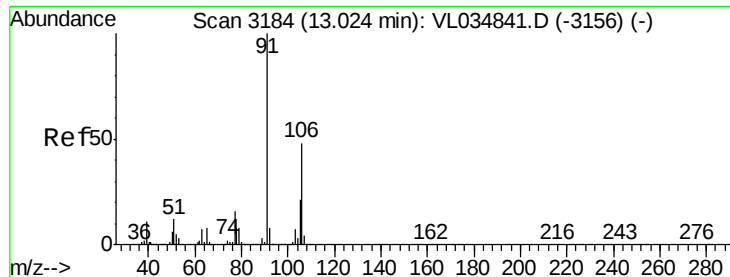
#58
Ethyl Benzene
Concen: 7.415 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 91 Resp: 2654314
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.6



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

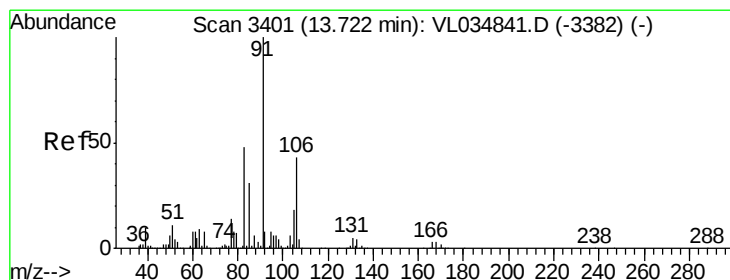
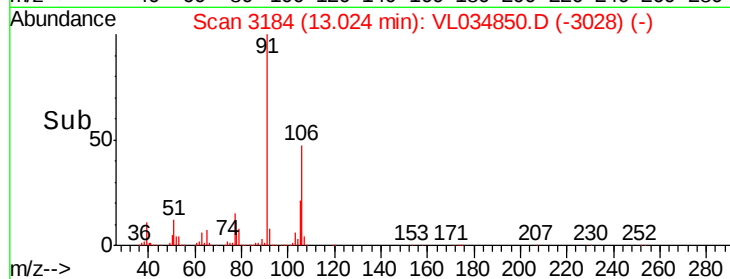
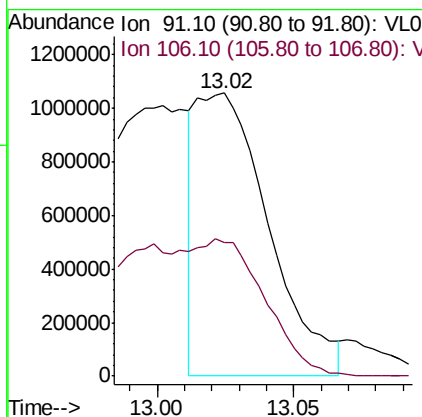
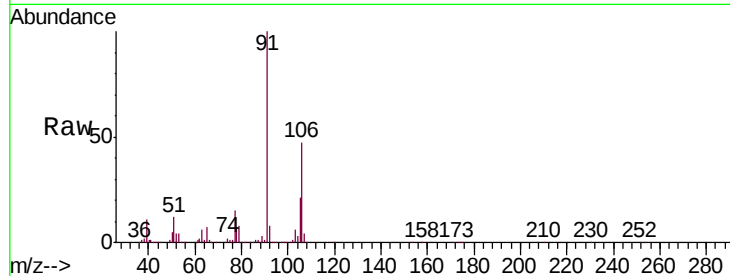




#59
m/p-Xylene
Concen: 6.466 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

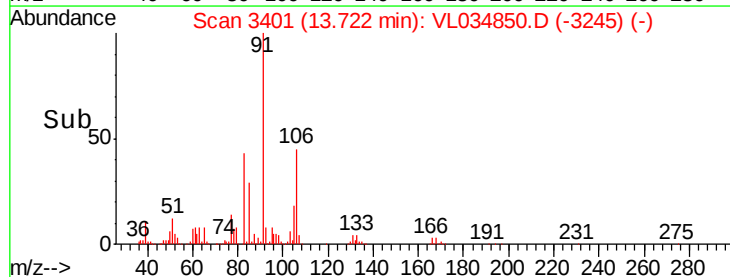
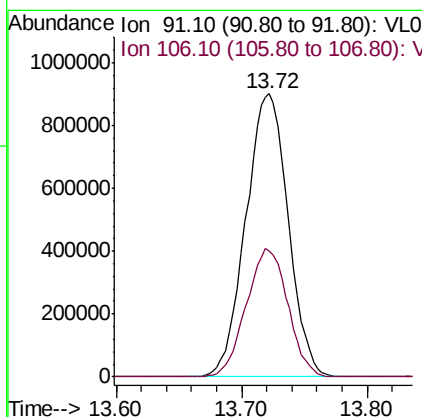
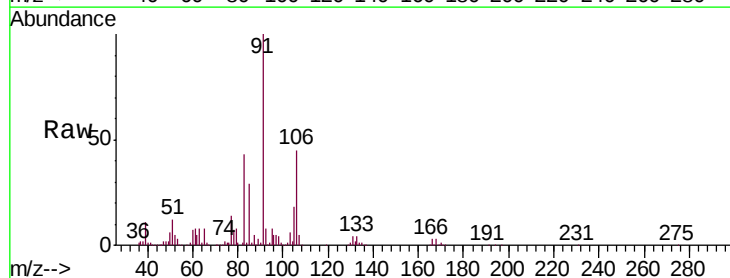
Instrument :
MSVOA_L
ClientSampleId :

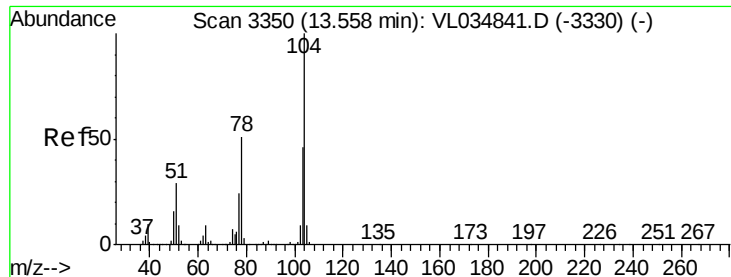
Tgt Ion: 91 Resp: 1939168
Ion Ratio Lower Upper
91 100
106 102.5 37.1 55.7#



#60
o-Xylene
Concen: 7.230 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 91 Resp: 2116978
Ion Ratio Lower Upper
91 100
106 44.5 22.5 67.5





#61

Styrene

Concen: 7.692 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

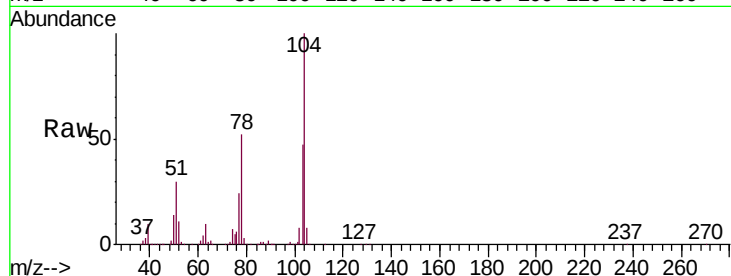
Tgt Ion:104 Resp: 1580682

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.6

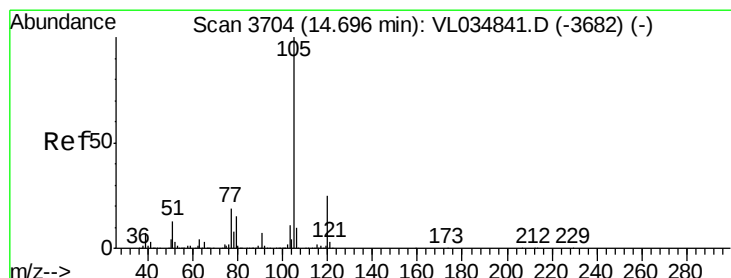
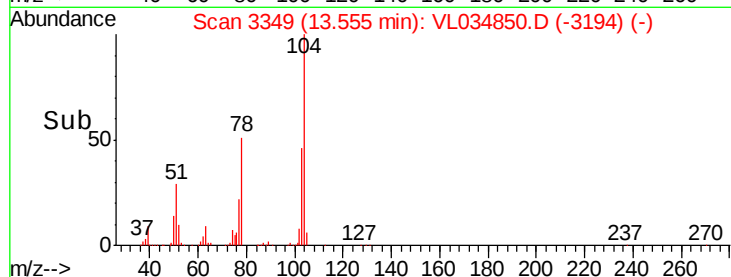
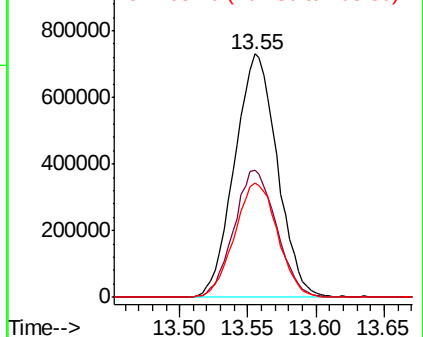
103 47.8 37.8 56.6



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: 7.165 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034850.D

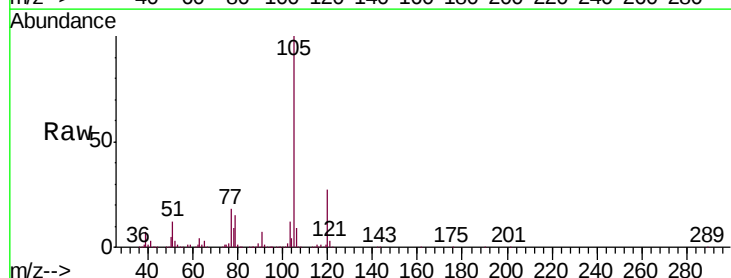
Acq: 9 Mar 2020 22:26

Tgt Ion:105 Resp: 3172137

Ion Ratio Lower Upper

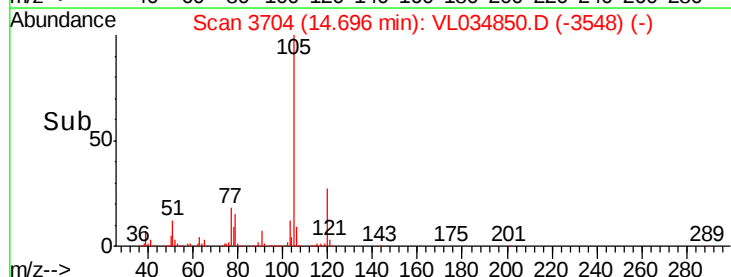
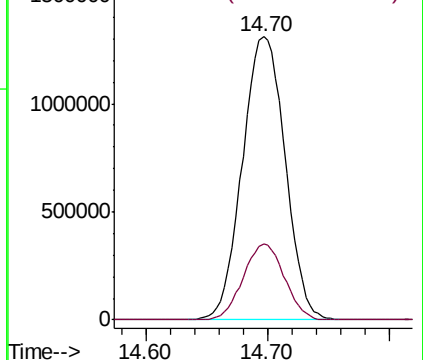
105 100

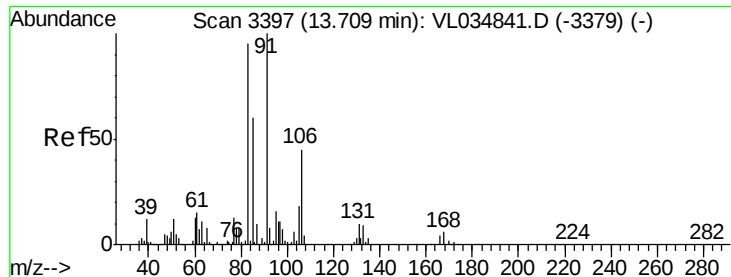
120 25.9 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

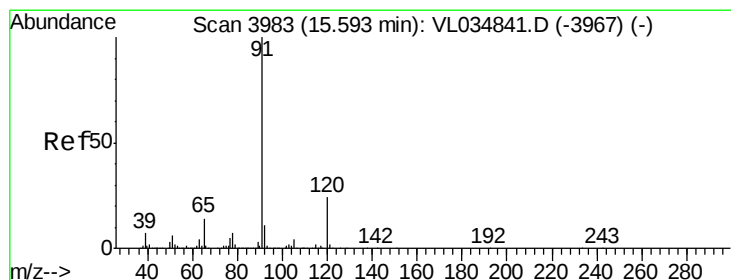
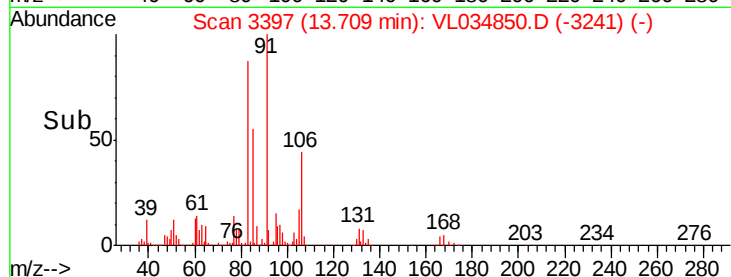
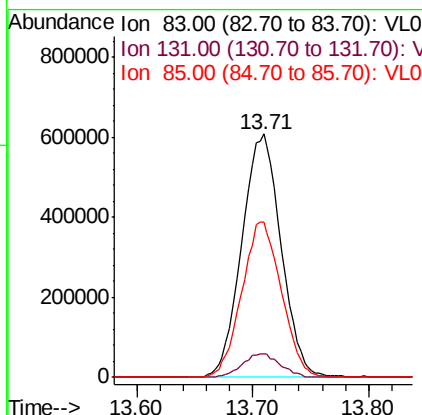
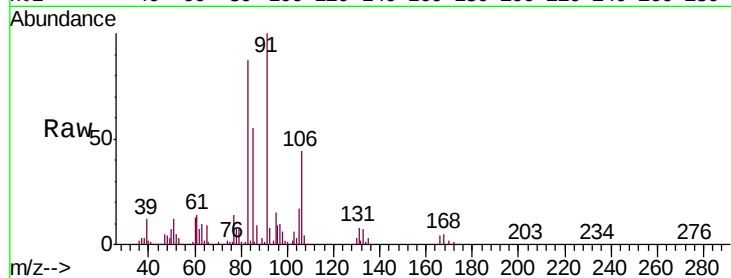




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.178 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

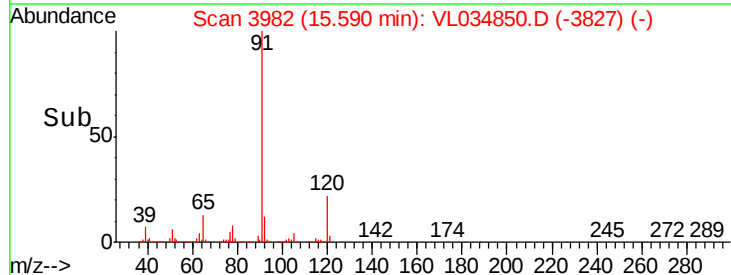
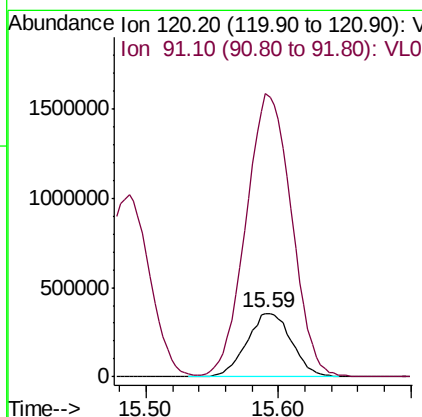
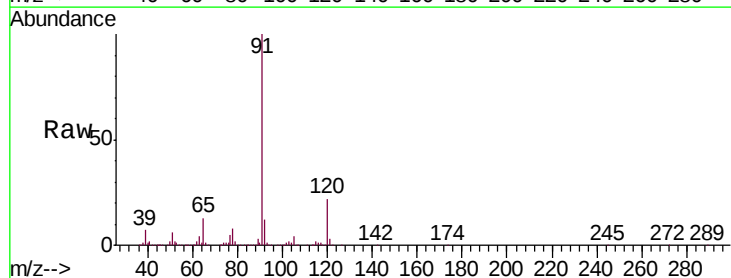
Instrument :
 MSVOA_L
 ClientSampleId :

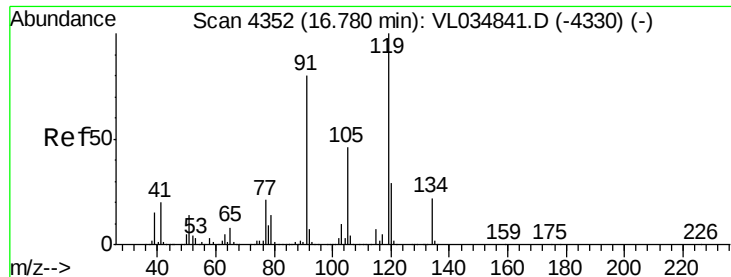
Tgt Ion: 83 Resp: 1426814
 Ion Ratio Lower Upper
 83 100
 131 9.4 5.0 14.9
 85 64.8 32.4 97.2



#64
 n-propylbenzene
 Concen: 7.234 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 120 Resp: 833630
 Ion Ratio Lower Upper
 120 100
 91 456.1 360.9 541.3

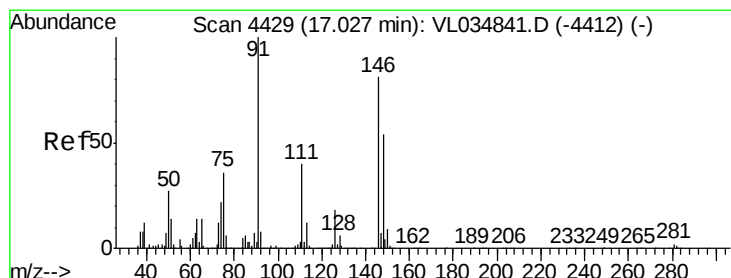
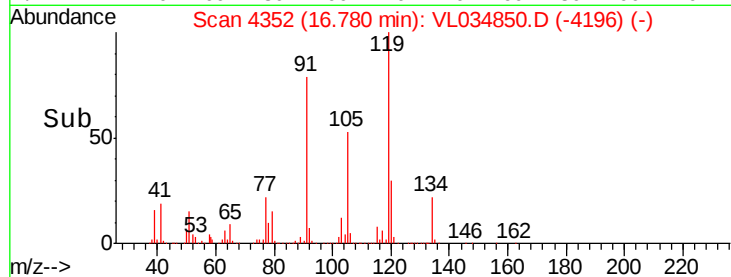
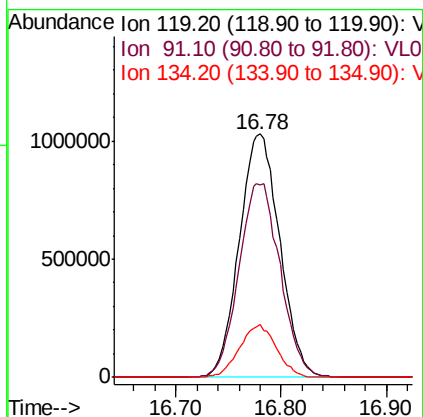
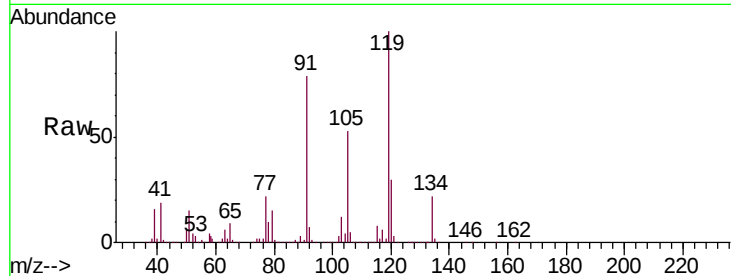




#65
 tert-Butylbenzene
 Concen: 7.093 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

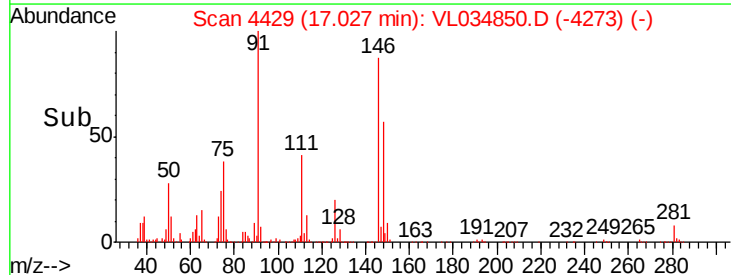
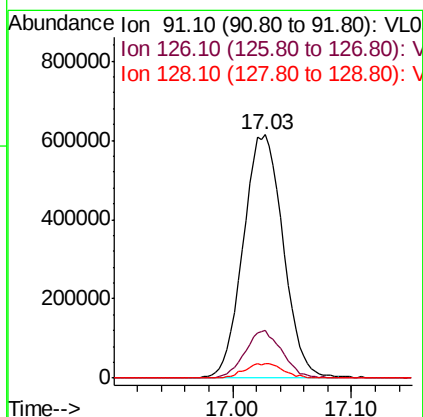
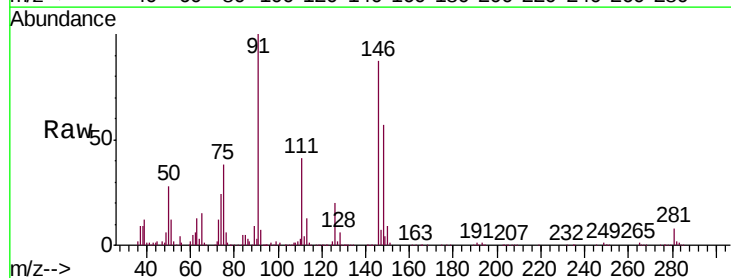
Instrument :
 MSVOA_L
 ClientSampleID :

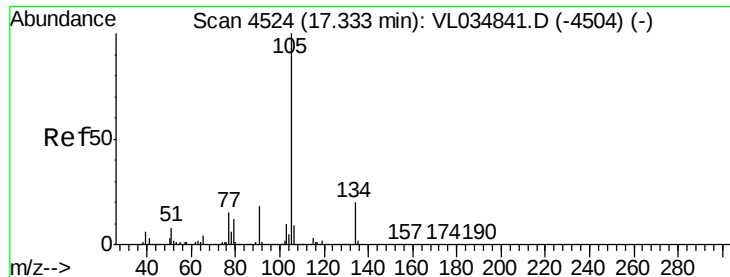
Tgt Ion: 119 Resp: 2745409
 Ion Ratio Lower Upper
 119 100
 91 81.4 64.9 97.3
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.820 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 91 Resp: 1423453
 Ion Ratio Lower Upper
 91 100
 126 18.4 14.7 22.1
 128 5.8 4.7 7.1

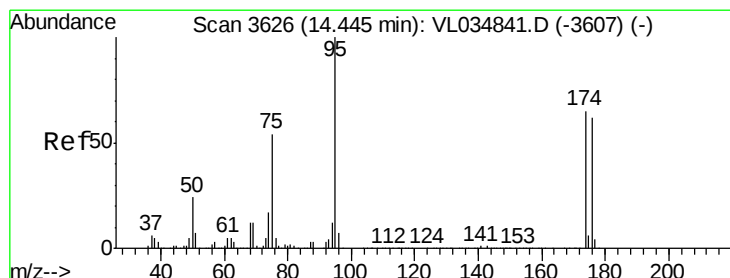
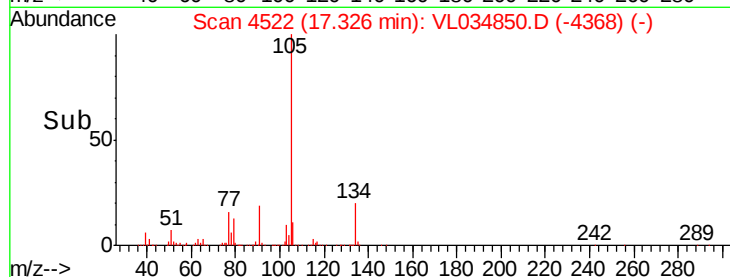
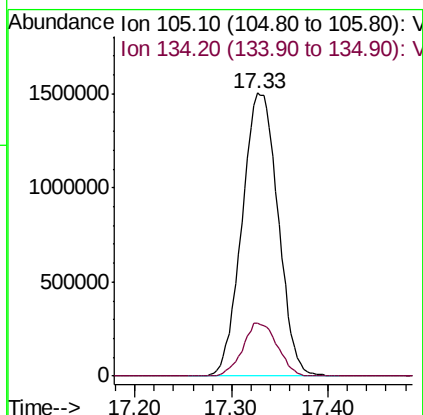
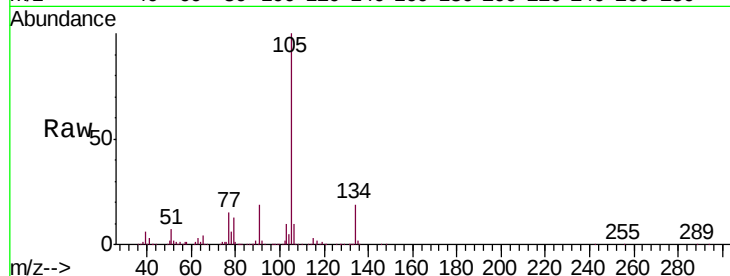




#67
 sec-Butylbenzene
 Concen: 7.240 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

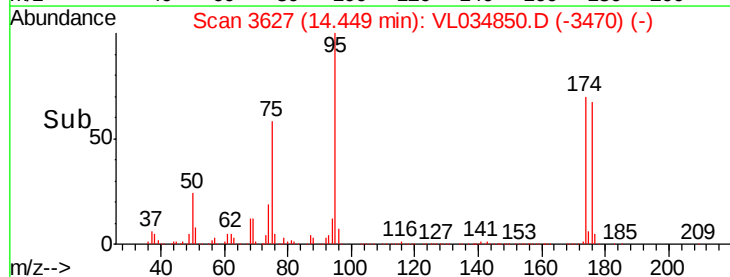
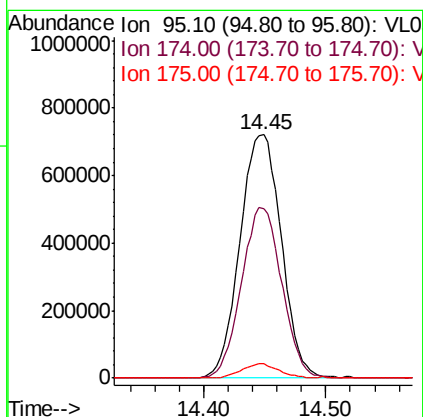
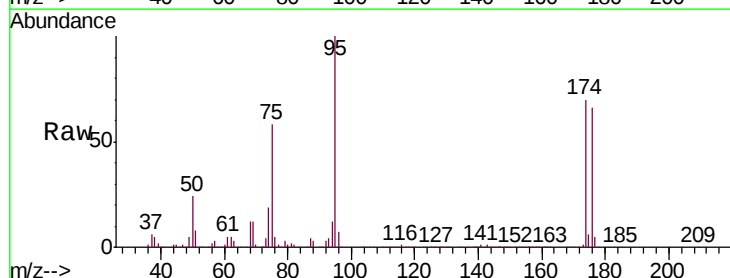
Instrument :
 MSVOA_L
 ClientSampleId :

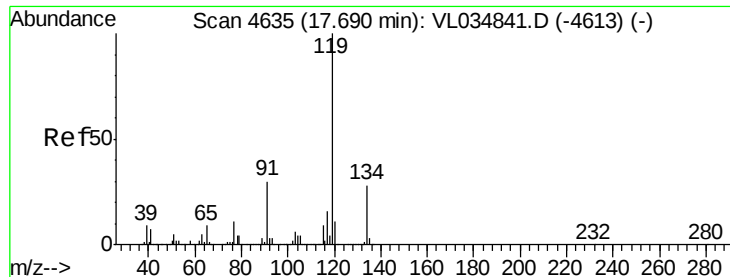
Tgt Ion: 105 Resp: 3885429
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.194 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 95 Resp: 1689028
 Ion Ratio Lower Upper
 95 100
 174 68.5 55.2 82.8
 175 5.4 4.3 6.5

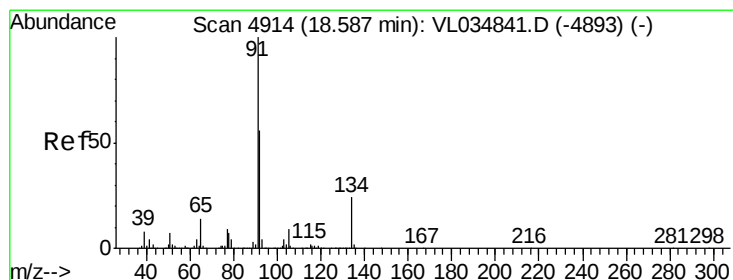
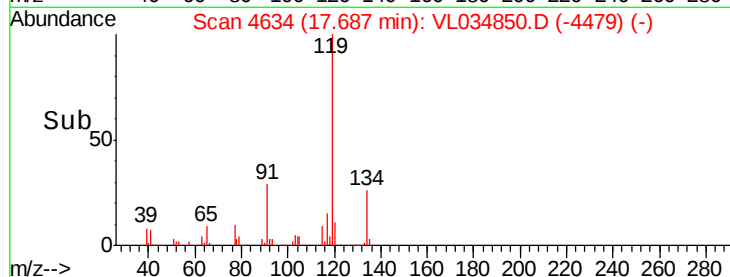
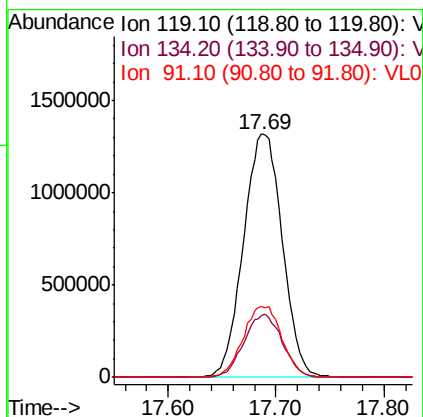
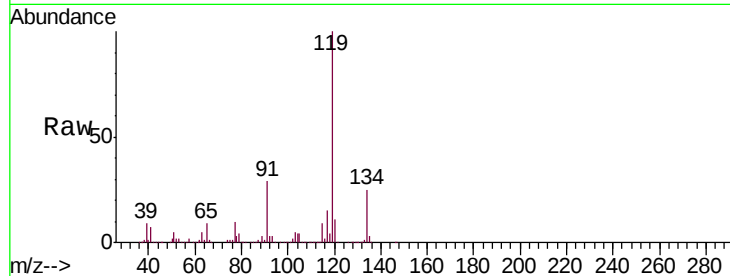




#69
 p-Isopropyltoluene
 Concen: 7.343 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

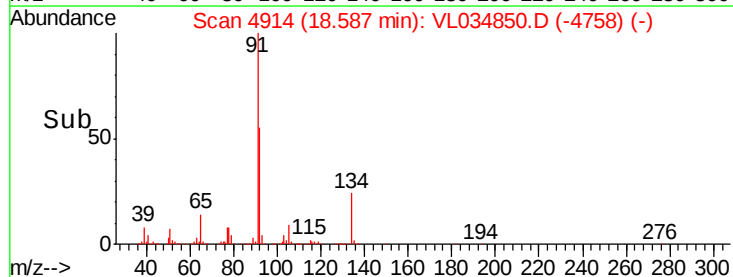
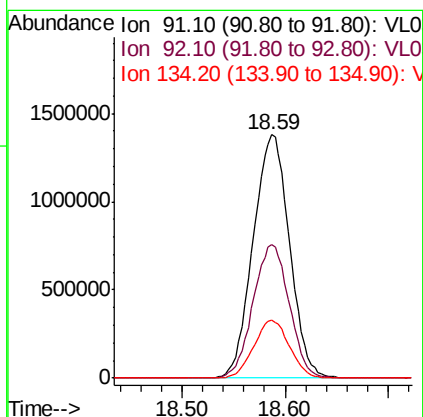
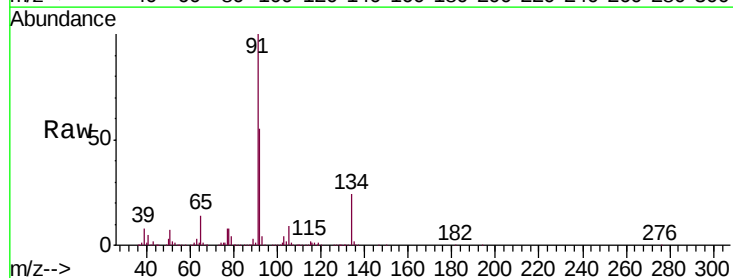
Instrument :
 MSVOA_L
 ClientSampleId :

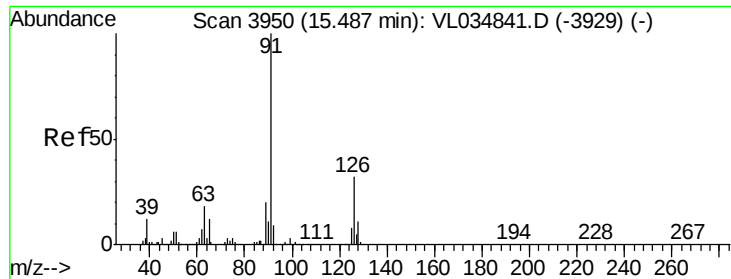
Tgt Ion: 119 Resp: 3304309
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 29.2 23.4 35.2



#70
 n-Butylbenzene
 Concen: 7.337 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 91 Resp: 3368931
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.8 65.6
 134 23.4 19.0 28.4

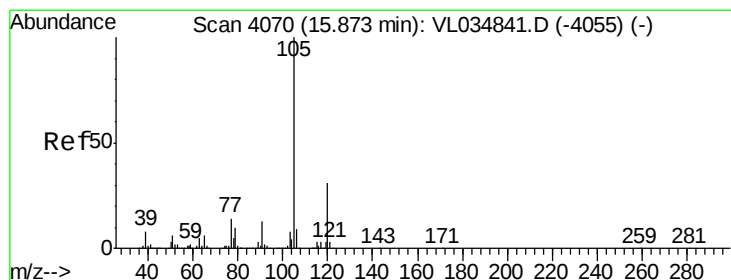
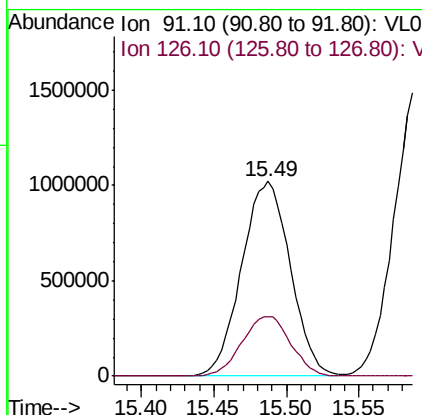
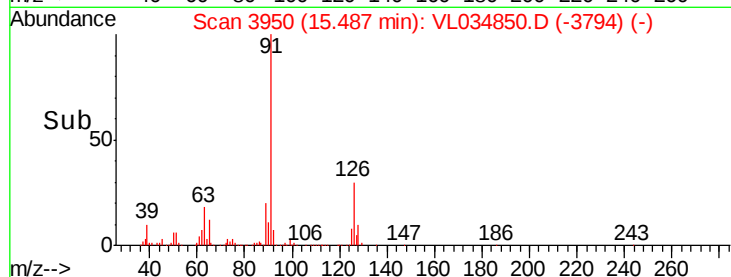
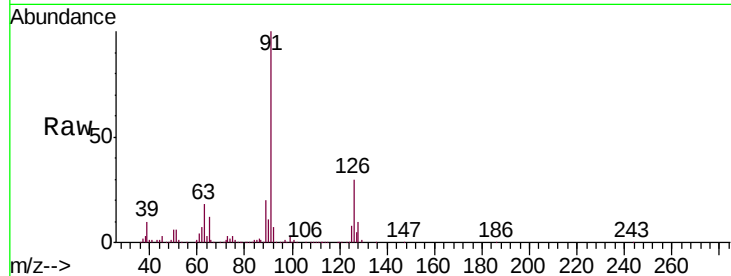




#71
 2-Chlorotoluene
 Concen: 7.087 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

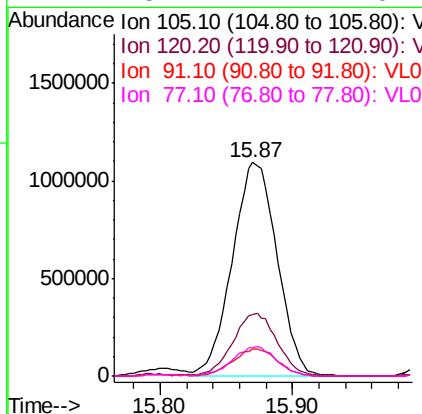
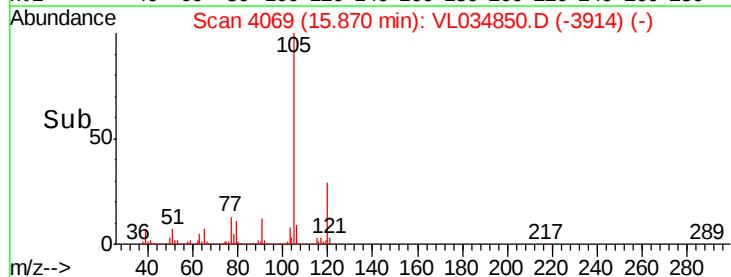
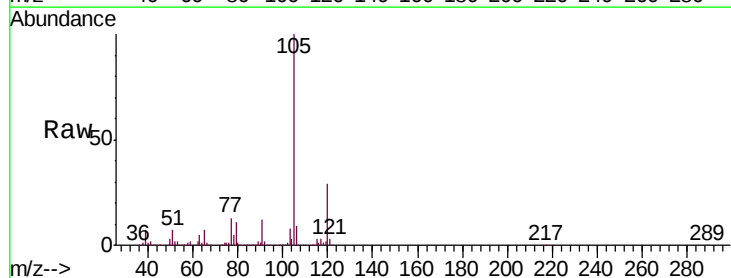
Instrument :
 MSVOA_L
 ClientSampleId :

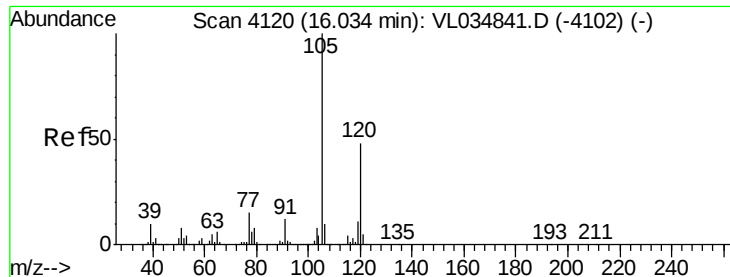
Tgt Ion: 91 Resp: 2376287
 Ion Ratio Lower Upper
 91 100
 126 31.0 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 7.403 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 105 Resp: 2559817
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.7 35.5
 91 12.9 10.5 15.7
 77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.348 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

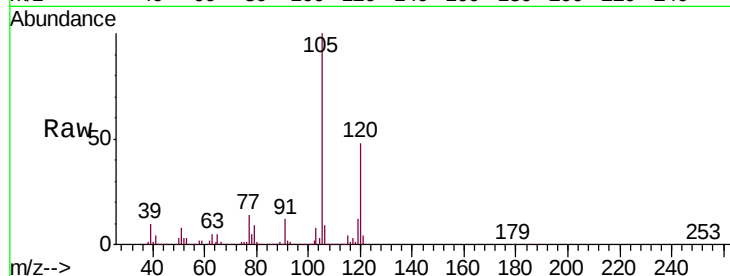
ClientSampleId :

Tgt Ion:105 Resp: 2378629

Ion Ratio Lower Upper

105 100

120 47.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

400000

200000

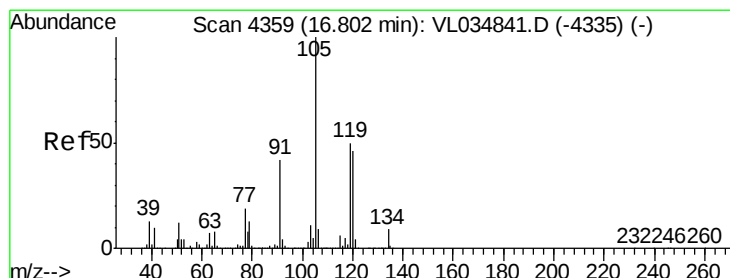
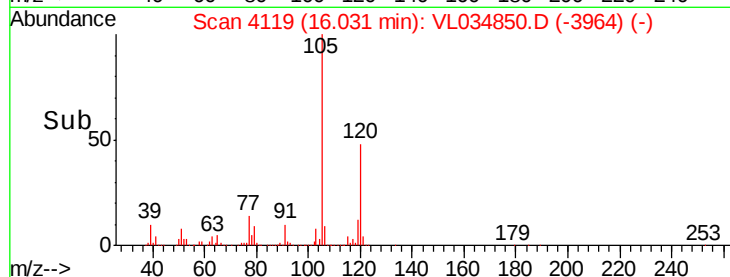
0

16.03

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.364 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:105 Resp: 2455876

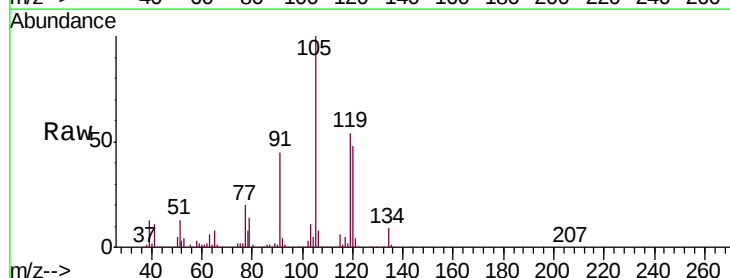
Ion Ratio Lower Upper

105 100

120 47.6 37.0 55.4

91 45.2 33.8 50.6

77 20.4 15.4 23.0



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): V

Ion 77.10 (76.80 to 77.80): V

1500000

1000000

500000

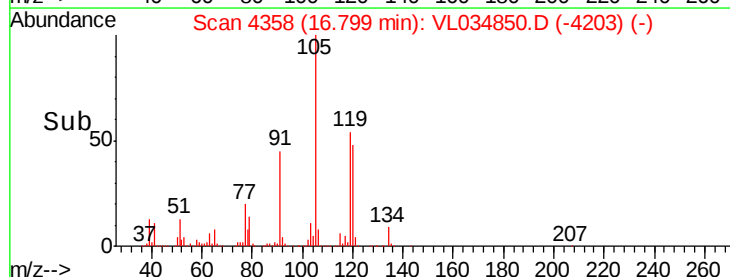
0

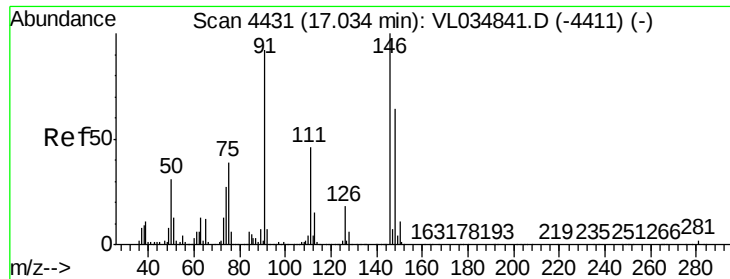
16.80

16.70

16.80

Time-->

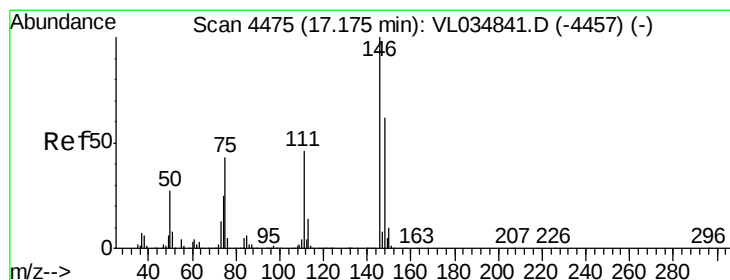
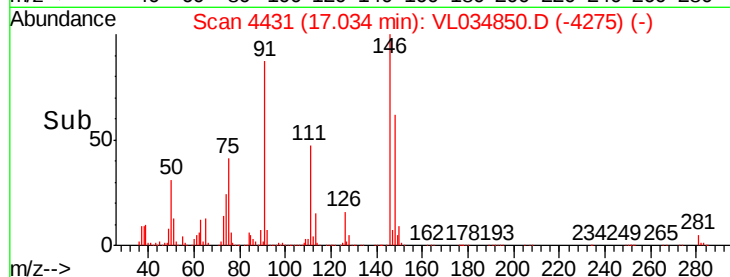
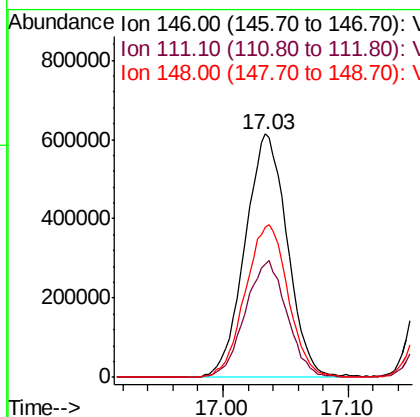
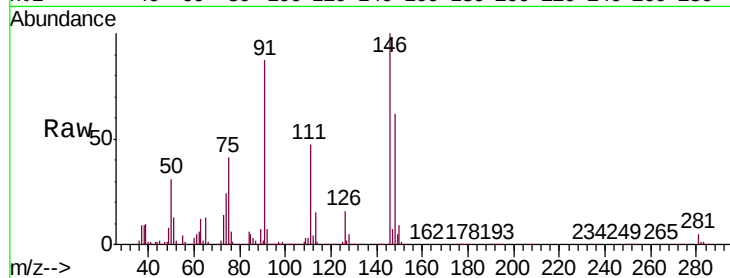




#75
 1,3-Dichlorobenzene
 Concen: 7.142 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

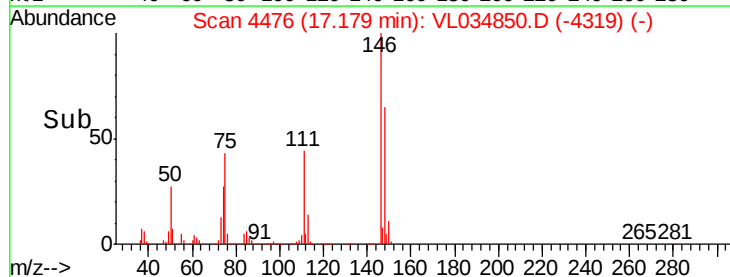
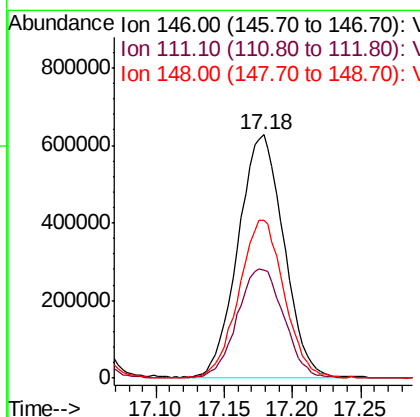
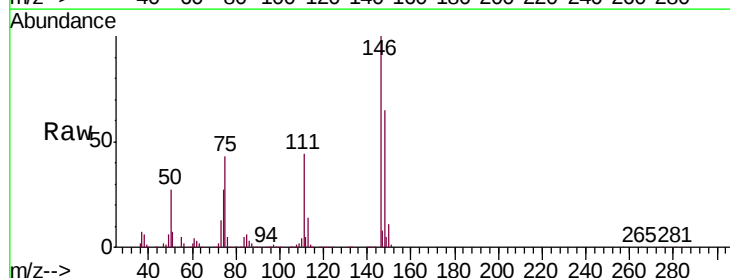
Instrument :
 MSVOA_L
 ClientSampleId :

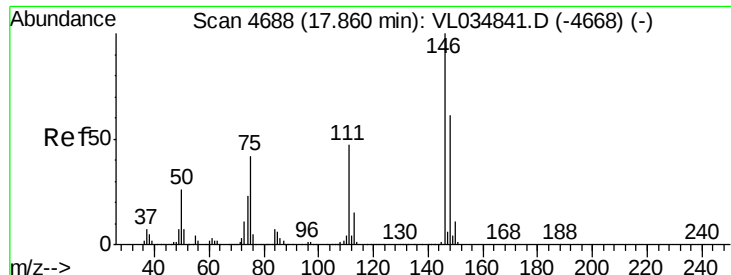
Tgt Ion:146 Resp: 1436161
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.9 71.7
 148 63.8 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.233 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion:146 Resp: 1451454
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.4 70.2
 148 65.1 32.3 96.9

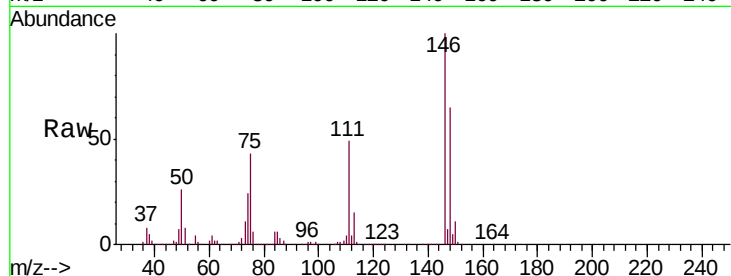




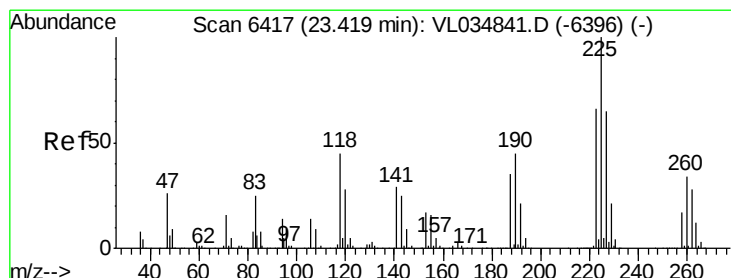
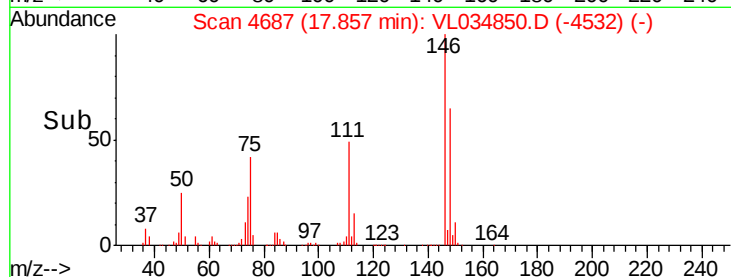
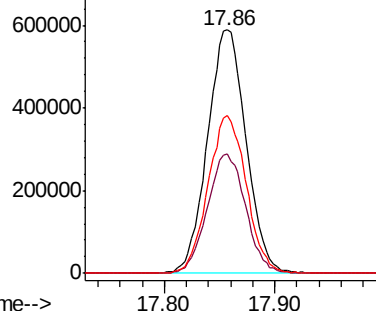
#77
 1,2-Dichlorobenzene
 Concen: 7.312 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampled :

Tgt Ion:146 Resp: 1425318
 Ion Ratio Lower Upper
 146 100
 111 48.8 23.8 71.4
 148 64.3 31.6 94.8

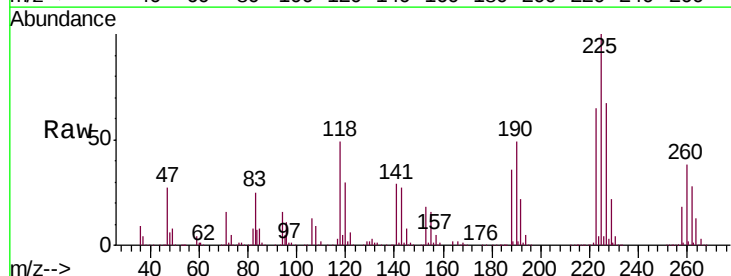


Abundance Ion 146.00 (145.70 to 146.70): V
 800000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

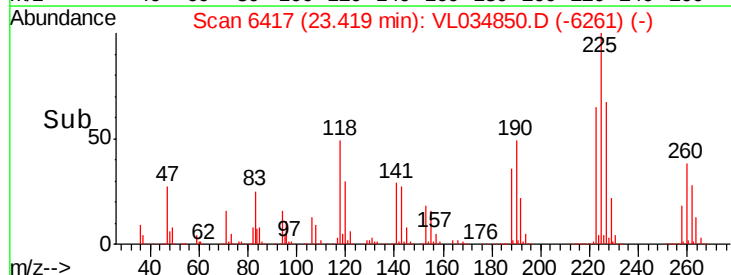
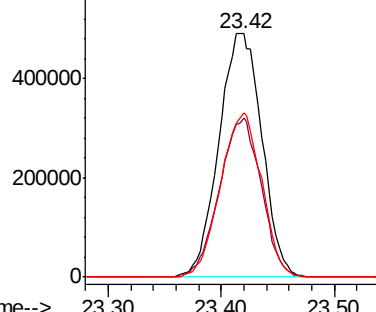


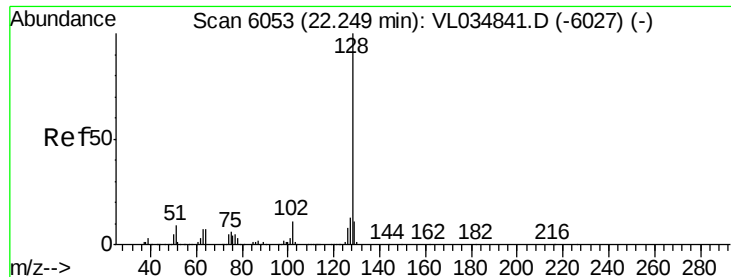
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.935 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion:225 Resp: 1291798
 Ion Ratio Lower Upper
 225 100
 223 63.6 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: 9.823 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampled :

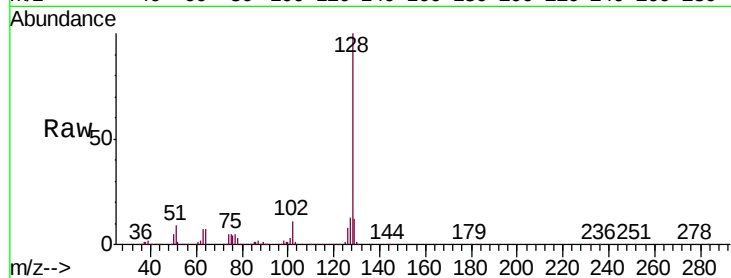
Tgt Ion:128 Resp: 2554761

Ion Ratio Lower Upper

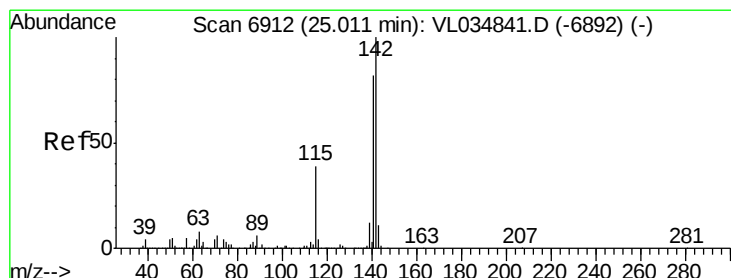
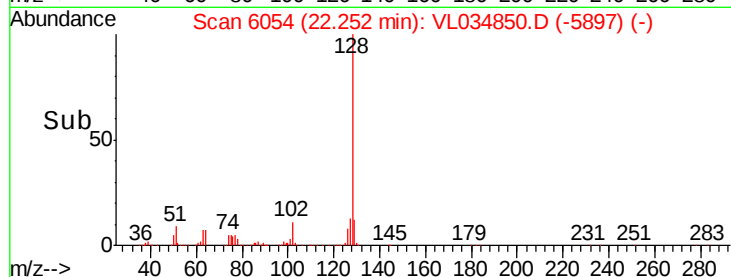
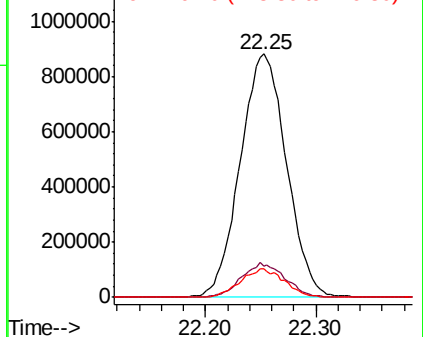
128 100

127 12.7 10.2 15.2

129 11.7 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: 14.345 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

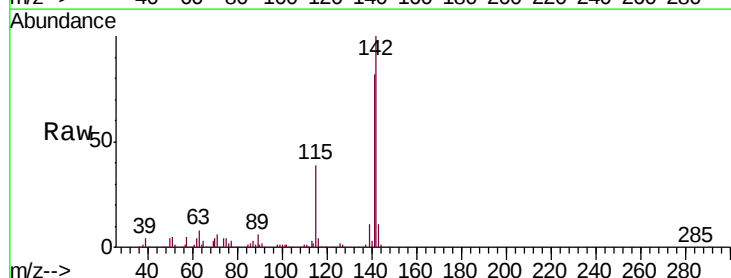
Tgt Ion:142 Resp: 975001

Ion Ratio Lower Upper

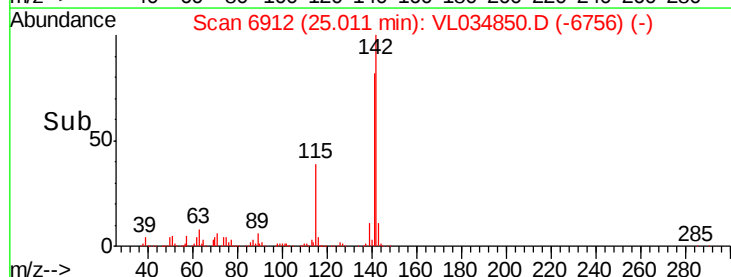
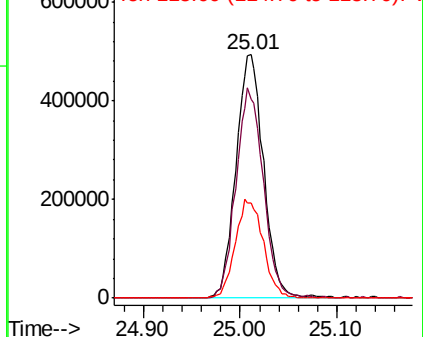
142 100

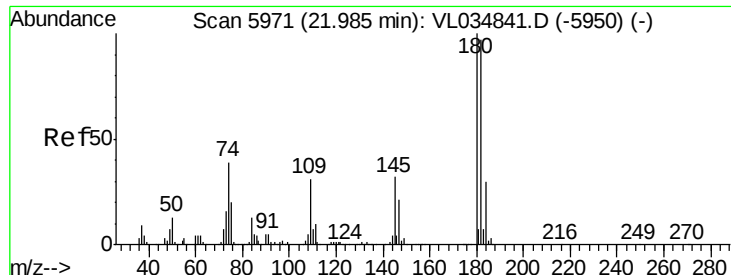
141 85.9 68.9 103.3

115 41.2 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

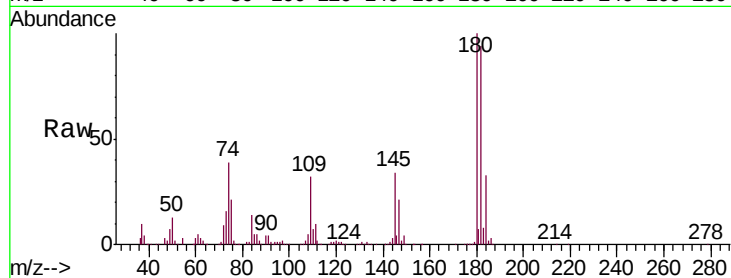




#81
 1,2,4-Trichlorobenzene
 Concen: 8.912 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 1472596
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.6 115.0
 184 31.4 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

