

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034912.D
 Acq On : 17 Mar 2020 5:11
 Operator : SY/AP
 Sample : VSTDCCC010EC
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 07:18:54 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	894408	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1910241	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2011384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1598385	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1713585	13.991	ppbv	98
3) Chlorodifluoromethane	2.95	51	1074738	10.757	ppbv	97
4) Chloromethane	3.10	50	637031	11.281	ppbv	97
5) Vinyl Chloride	3.22	62	605623	11.156	ppbv	95
6) Bromomethane	3.44	94	364640	11.538	ppbv	97
7) Chloroethane	3.52	64	222561	11.353	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	1358444	10.680	ppbv	94
9) Propene	2.97	41	498177	10.443	ppbv	99
10) Heptane	8.13	43	1326938	11.303	ppbv	100
11) Trichlorofluoromethane	3.92	101	1395283	10.708	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	988354	10.838	ppbv	95
13) Ethanol	3.57	45	134524	9.276	ppbv	90
14) Bromoethene	3.71	108	429635	10.908	ppbv	99
15) Acetone	3.82	43	1280587	11.047	ppbv	97
16) 1,3-Butadiene	3.29	39	570714	10.887	ppbv	98
17) tert-Butyl alcohol	4.27	59	913841	8.182	ppbv	99
18) 1,1-Dichloroethene	4.26	96	449746	11.136	ppbv	99
19) Isopropyl Alcohol	3.94	45	676092	9.236	ppbv	# 41
20) Methylene Chloride	4.32	84	396605	10.821	ppbv	98
21) Allyl Chloride	4.39	41	801607	10.767	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	453092	11.059	ppbv	99
23) Vinyl Acetate	5.06	43	1858917	10.856	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1207962	10.523	ppbv	100
25) Ethyl Acetate	5.66	43	2158791	10.453	ppbv	100
26) Hexane	5.67	57	967429	10.878	ppbv	98
27) Carbon Disulfide	4.52	76	1152076	11.416	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1439943	9.731	ppbv	99
29) Chloroform	5.74	83	1477575	10.889	ppbv	97
30) Cyclohexane	7.13	84	801886	10.807	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	967104	10.633	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1416519	10.714	ppbv	98
34) 2-Butanone	5.23	43	1467504	11.560	ppbv	100
35) Carbon Tetrachloride	7.02	117	1443184	12.147	ppbv	99
36) Benzene	6.89	78	1930402	11.337	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1145973	11.936	ppbv	98
38) Trichloroethene	7.84	130	724613	11.205	ppbv	96
39) 1,2-Dichloropropane	7.62	63	749876	11.116	ppbv	94
40) 1,4-Dioxane	7.84	88	270371	10.612	ppbv	# 94
41) Tetrahydrofuran	6.04	42	796513	11.596	ppbv	98
42) Bromodichloromethane	7.80	83	1547405	11.826	ppbv	97
43) Methyl Methacrylate	8.02	69	874983	12.198	ppbv	98

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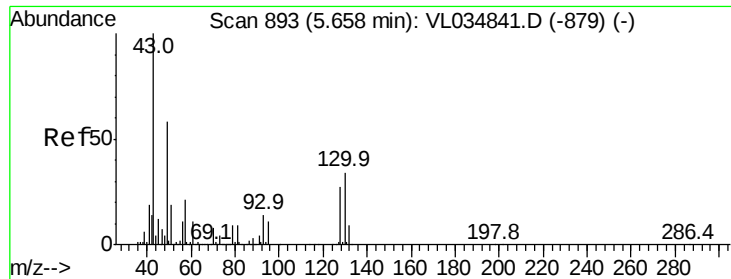
Instrument :
 MSVOA_L
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Quant Time: Mar 17 07:18:54 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	3365811	11.698	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	997241	11.833	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1164290	11.626	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	788359	11.387	ppbv	98
48) Dibromochloromethane	10.32	129	1247228	11.124	ppbv	100
49) Bromoform	13.07	173	1086605	10.870	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2178920	11.924	ppbv	99
51) 2-Hexanone	10.15	43	1740714	11.721	ppbv #	100
52) Tetrachloroethene	11.24	164	658468	9.775	ppbv	97
53) Toluene	9.82	91	2227397	11.328	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1168885	11.216	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	951629	10.532	ppbv	95
57) Chlorobenzene	12.17	112	1637905	10.408	ppbv	95
58) Ethyl Benzene	12.73	91	2956841	10.855	ppbv	96
59) m/p-Xylene	13.02	91	2477565	10.857	ppbv #	37
60) o-Xylene	13.72	91	2386377	10.710	ppbv	98
61) Styrene	13.55	104	1726783	11.043	ppbv	98
62) Isopropylbenzene	14.70	105	3499067	10.386	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1673198	11.062	ppbv	99
64) n-propylbenzene	15.59	120	917476	10.463	ppbv	92
65) tert-Butylbenzene	16.78	119	3029323	10.286	ppbv	97
66) Benzyl Chloride	17.02	91	1260769	10.266	ppbv	96
67) sec-Butylbenzene	17.33	105	4356319	10.667	ppbv	98
69) p-Isopropyltoluene	17.69	119	3590670	10.486	ppbv	99
70) n-Butylbenzene	18.58	91	3853942	11.031	ppbv	99
71) 2-Chlorotoluene	15.48	91	2674552	10.483	ppbv	98
72) 4-Ethyltoluene	15.87	105	2833749	10.769	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2673624	10.854	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	2779312	10.952	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1590505	10.394	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1574195	10.309	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	1564150	10.545	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1336809	10.791	ppbv	100
79) Naphthalene	22.25	128	2698976	13.637	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	963164	18.623	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1529289	12.163	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

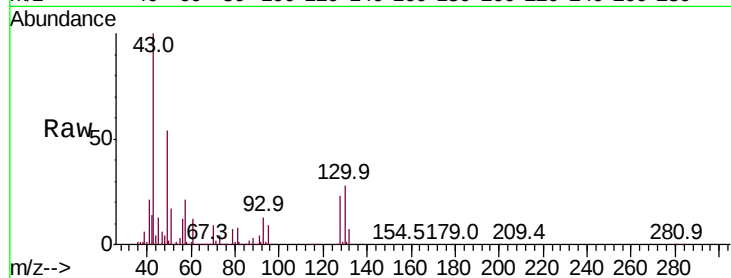
Tot Ion: 49 Resp: 894408

Ion Ratio Lower Upper

49 100

128 43.9 23.4 70.3

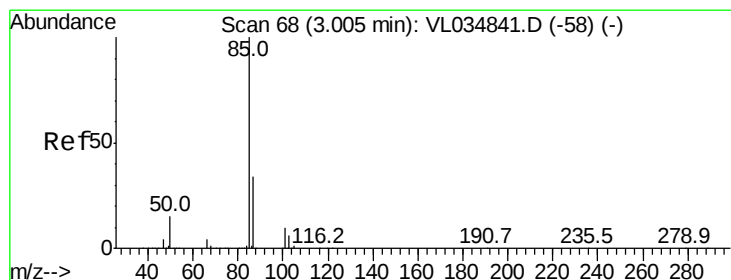
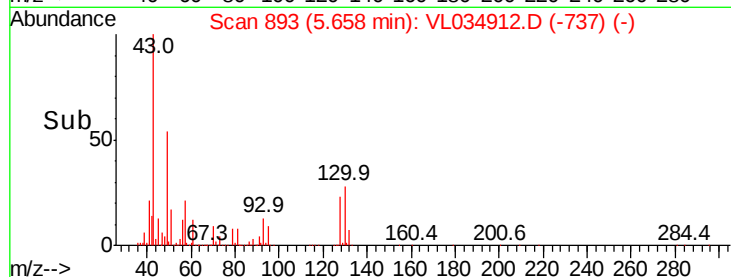
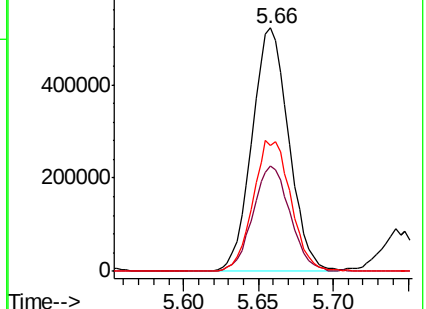
130 55.0 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 13.991 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034912.D

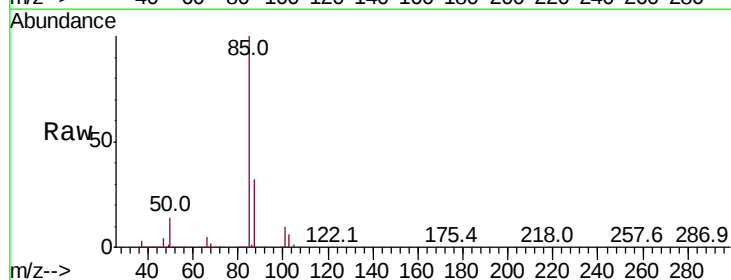
Acq: 17 Mar 2020 5:11

Tgt Ion: 85 Resp: 1713585

Ion Ratio Lower Upper

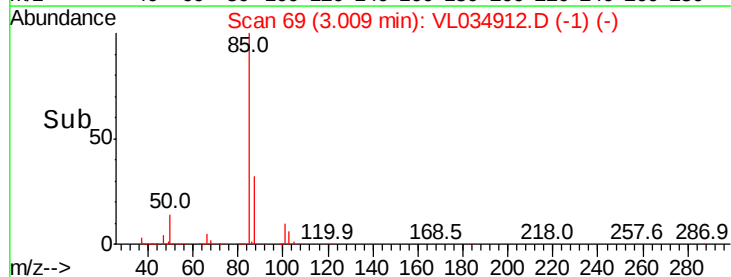
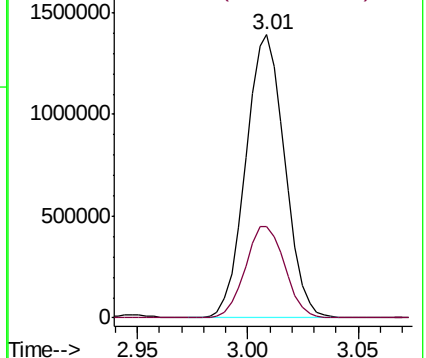
85 100

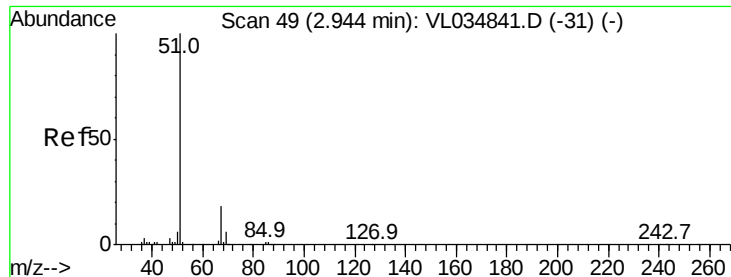
87 32.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

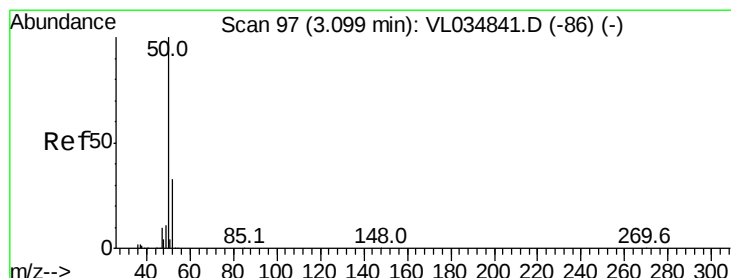
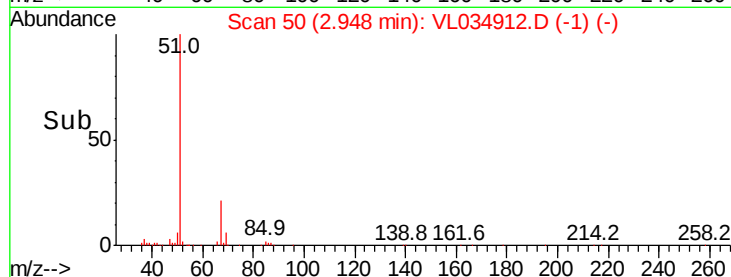
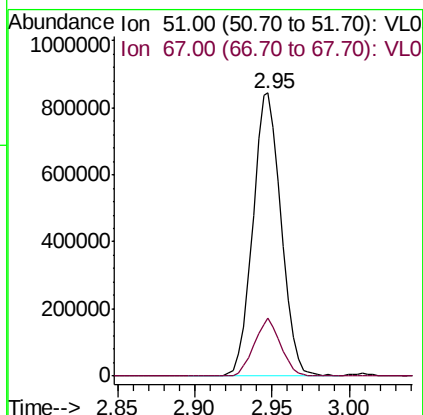
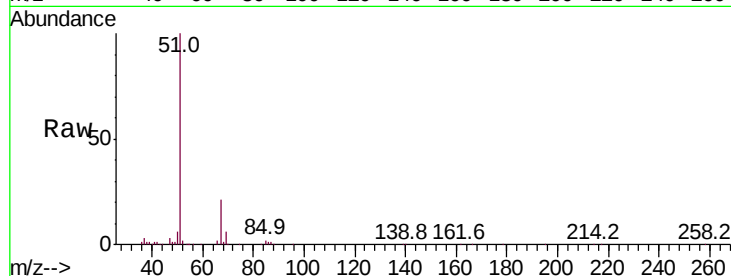




#3
 Chlorodifluoromethane
 Concen: 10.757 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

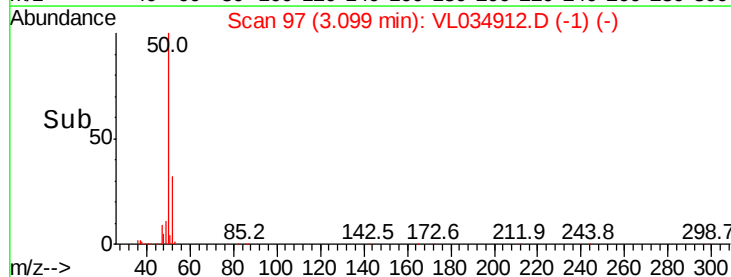
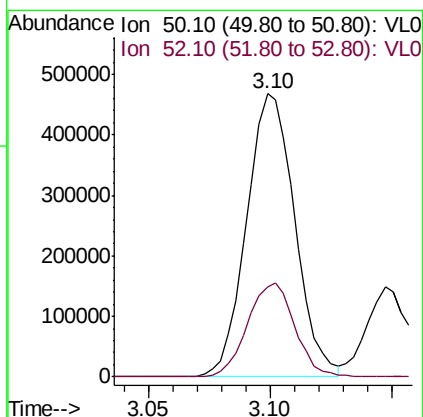
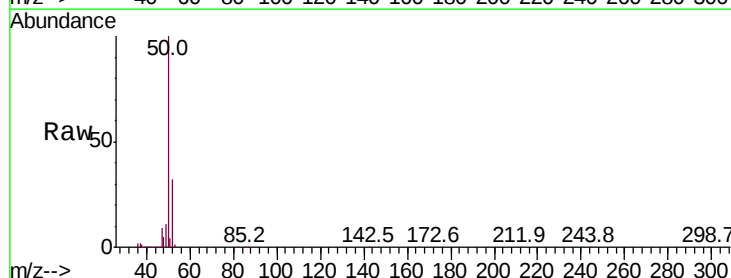
Instrument :
 MSVOA_L
 ClientSampleId :

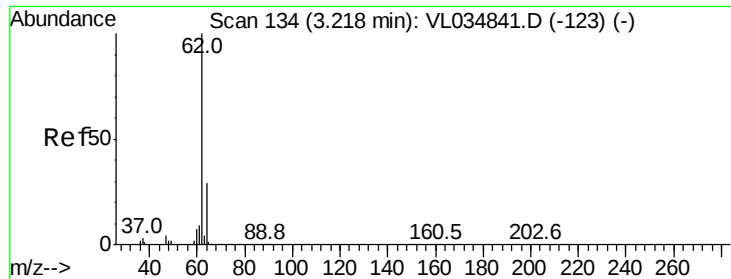
Tot Ion: 51 Resp: 1074738
 Ion Ratio Lower Upper
 51 100
 67 19.2 14.3 21.5



#4
 Chloromethane
 Concen: 11.281 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 50 Resp: 637031
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.8 40.2





#5

Vinyl Chloride

Concen: 11.156 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

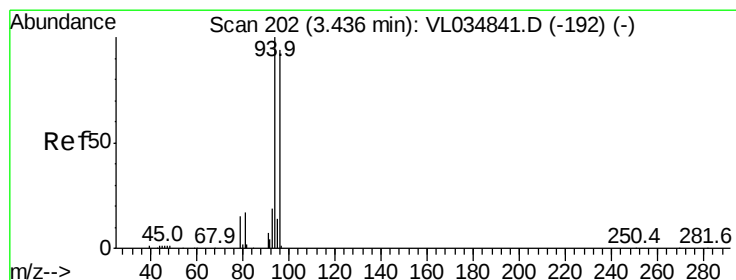
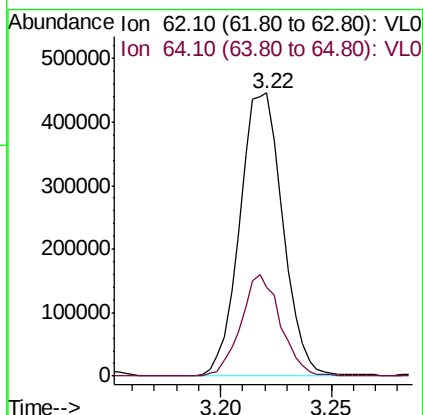
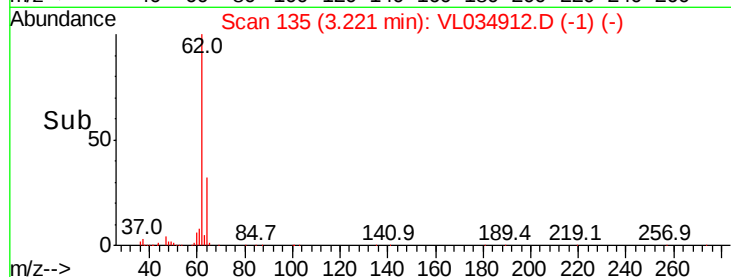
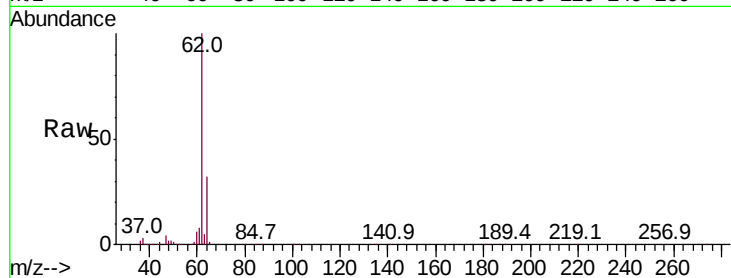
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 62 Resp: 605623

Ion Ratio Lower Upper

62 100

64 31.5 23.0 34.4



#6

Bromomethane

Concen: 11.538 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034912.D

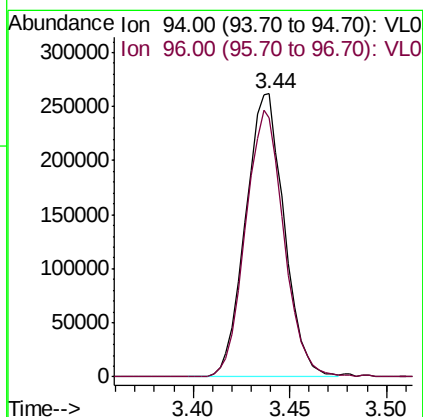
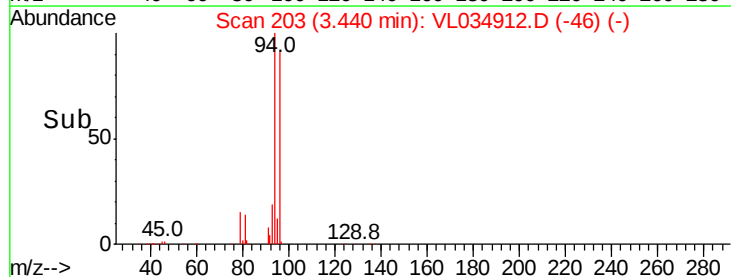
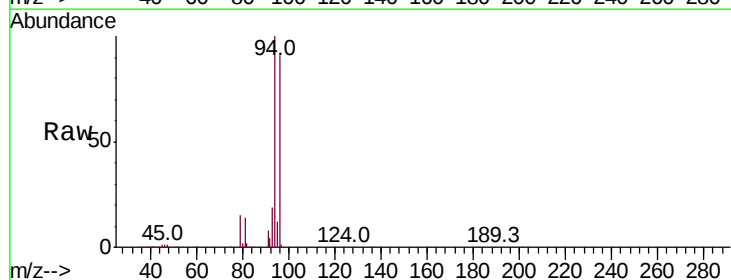
Acq: 17 Mar 2020 5:11

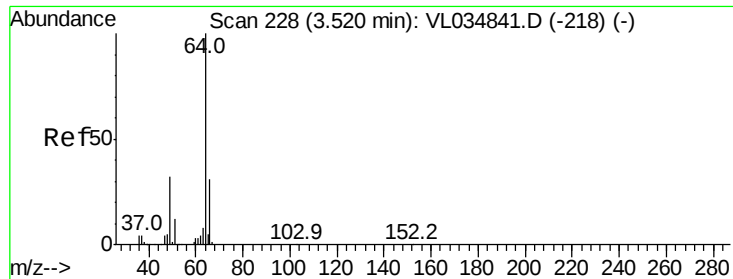
Tgt Ion: 94 Resp: 364640

Ion Ratio Lower Upper

94 100

96 91.4 75.5 113.3





#7

Chloroethane

Concen: 11.353 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

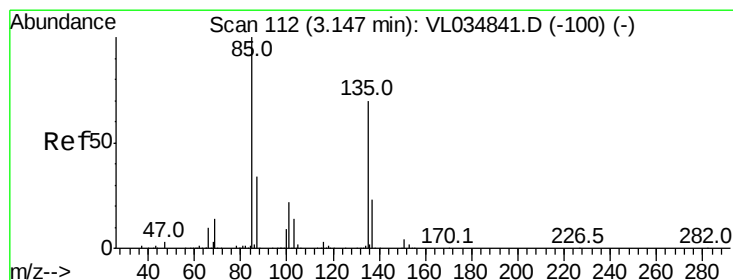
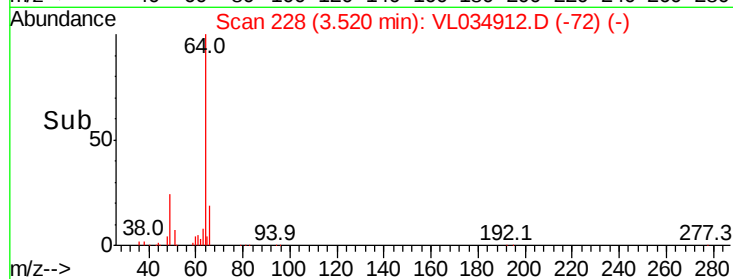
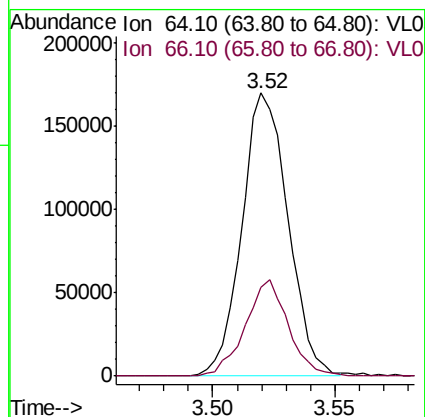
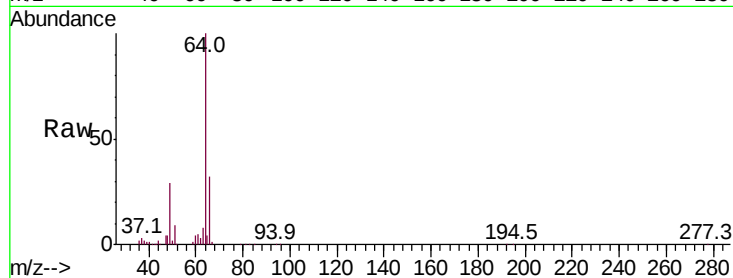
ClientSampleId :

Tot Ion: 64 Resp: 222561

Ion Ratio Lower Upper

64 100

66 31.6 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 10.680 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034912.D

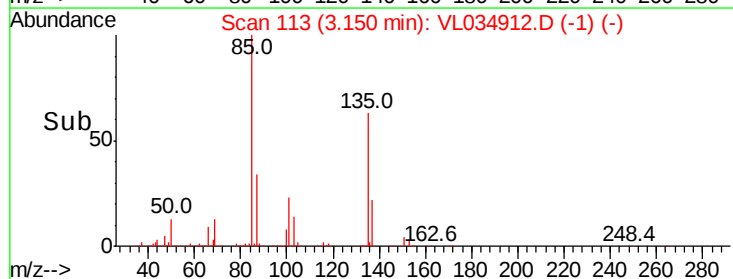
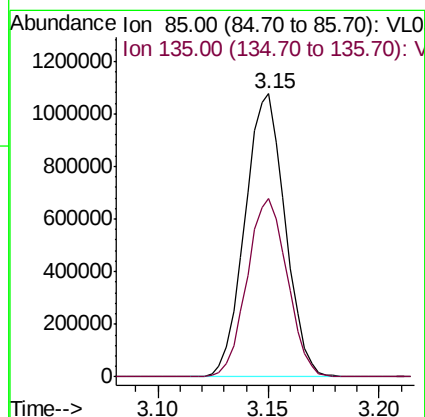
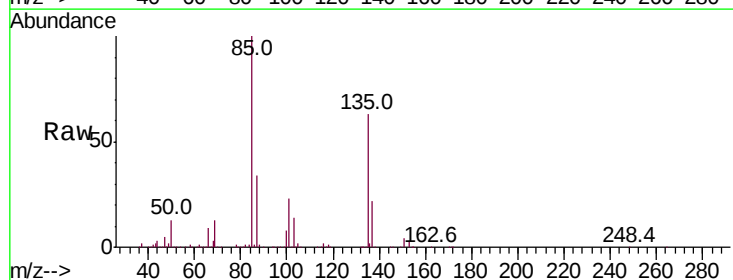
Acq: 17 Mar 2020 5:11

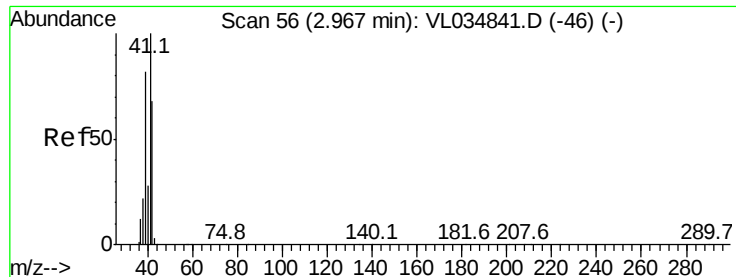
Tgt Ion: 85 Resp: 1358444

Ion Ratio Lower Upper

85 100

135 63.4 54.3 81.5





#9

Propene

Concen: 10.443 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

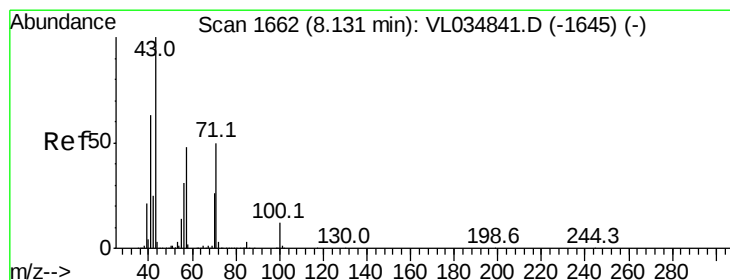
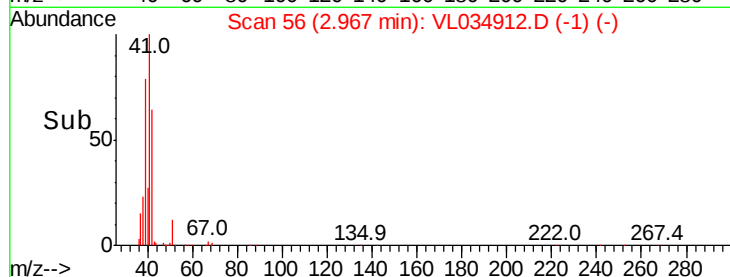
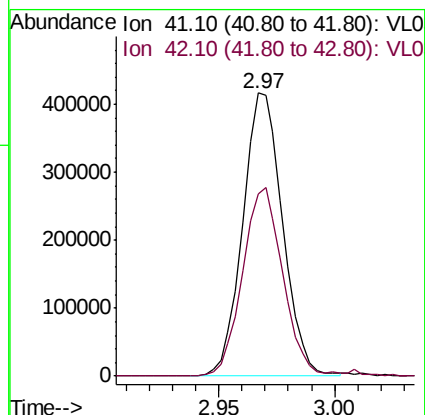
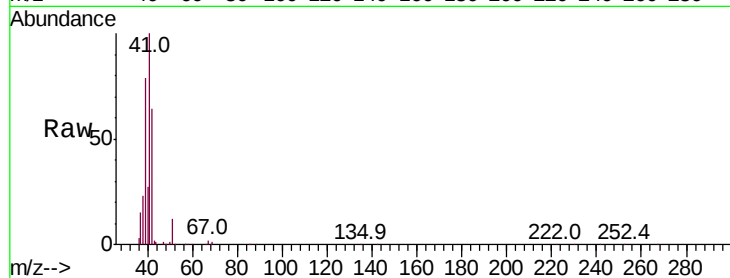
ClientSampleId :

Tot Ion: 41 Resp: 498177

Ion Ratio Lower Upper

41 100

42 68.6 55.2 82.8



#10

Heptane

Concen: 11.303 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034912.D

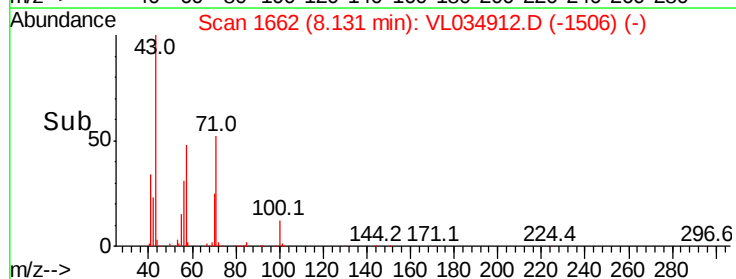
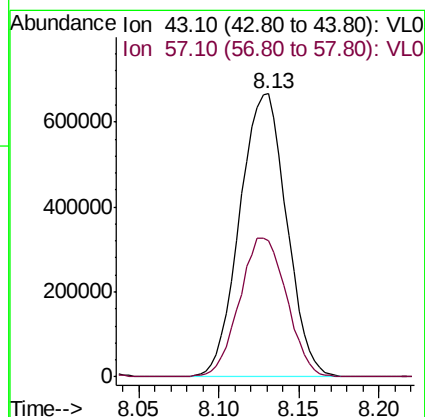
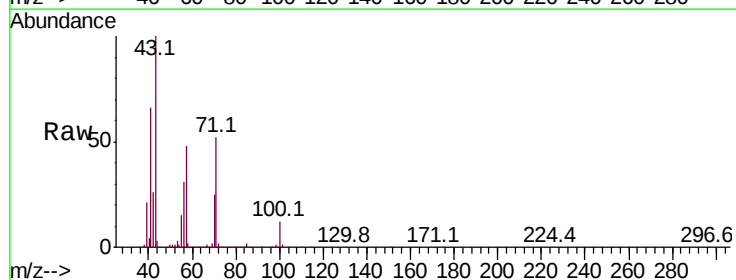
Acq: 17 Mar 2020 5:11

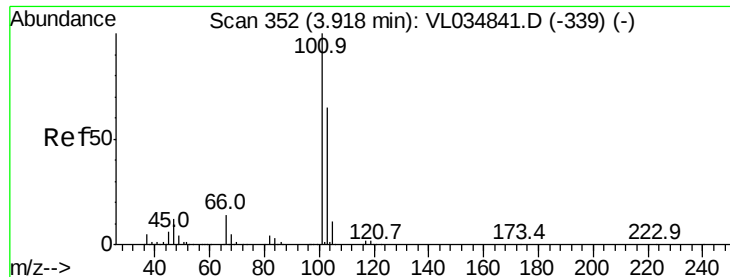
Tgt Ion: 43 Resp: 1326938

Ion Ratio Lower Upper

43 100

57 49.7 39.7 59.5

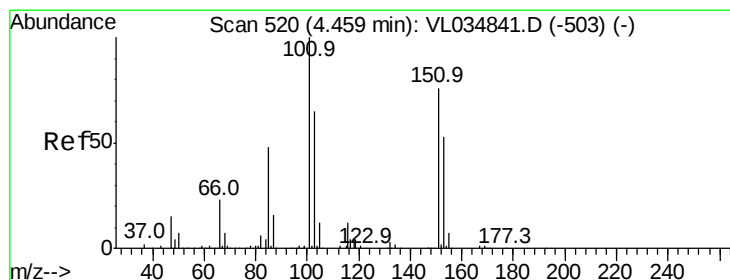
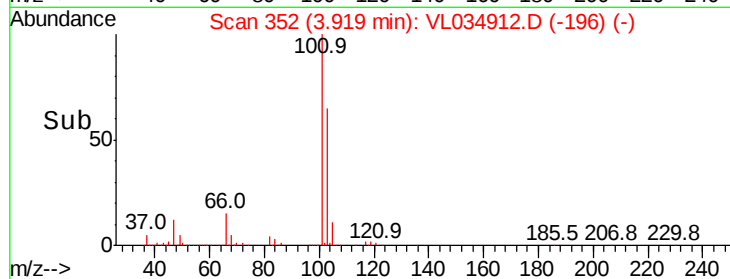
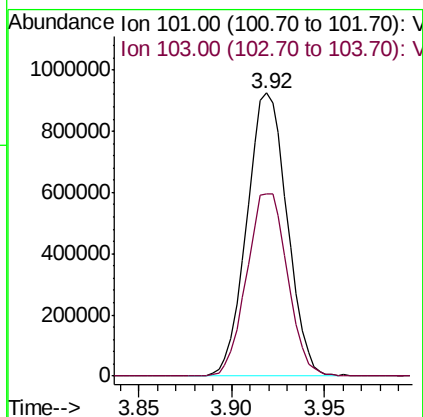
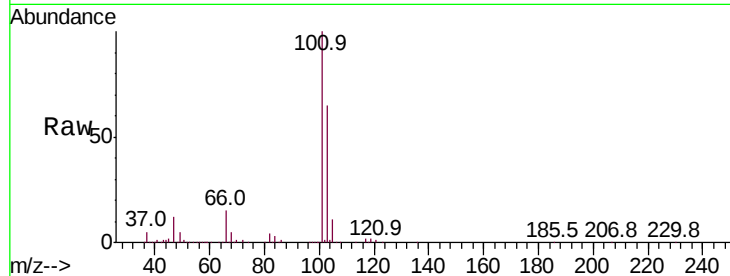




#11
 Trichlorofluoromethane
 Concen: 10.708 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

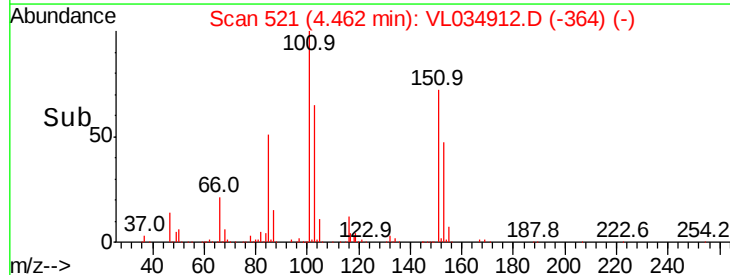
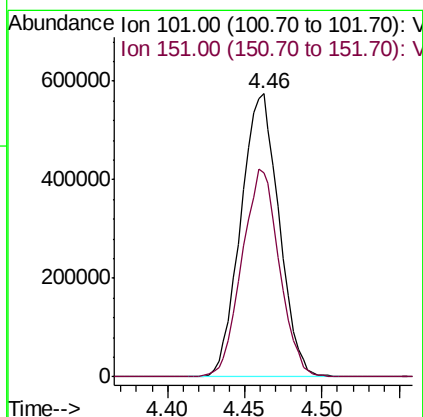
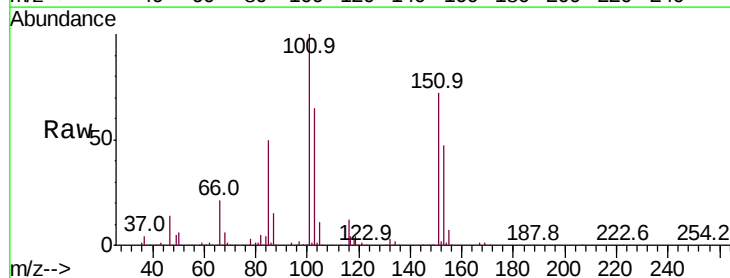
Instrument :
 MSVOA_L
 ClientSampled :

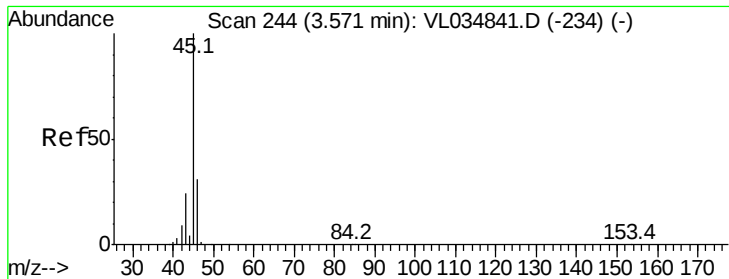
Tot Ion:101 Resp: 1395283
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.838 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion:101 Resp: 988354
 Ion Ratio Lower Upper
 101 100
 151 71.9 60.8 91.2





#13

Ethanol

Concen: 9.276 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

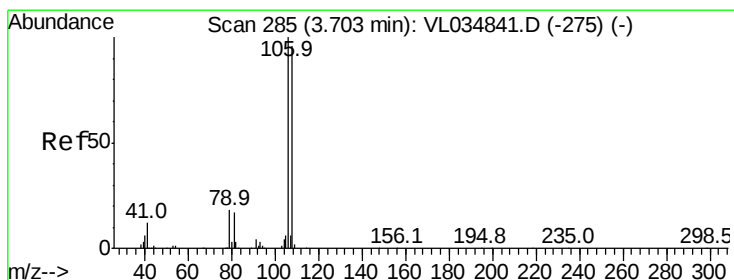
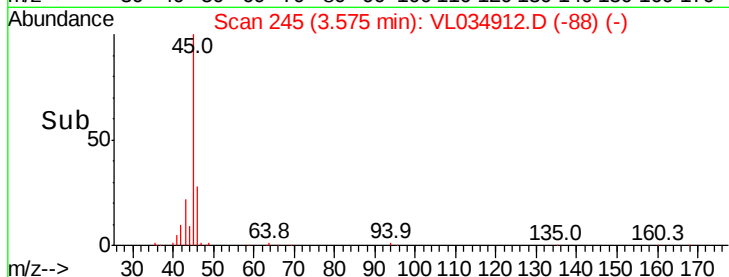
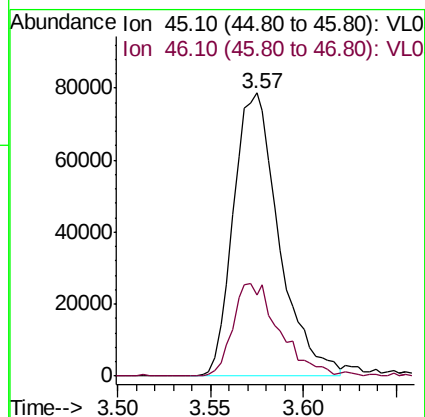
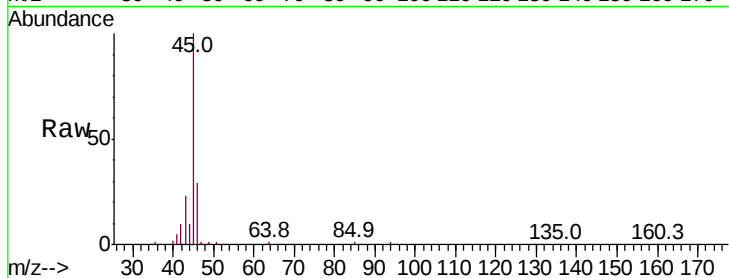
ClientSampleId :

Tot Ion: 45 Resp: 134524

Ion Ratio Lower Upper

45 100

46 34.1 16.0 64.0



#14

Bromoethene

Concen: 10.908 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

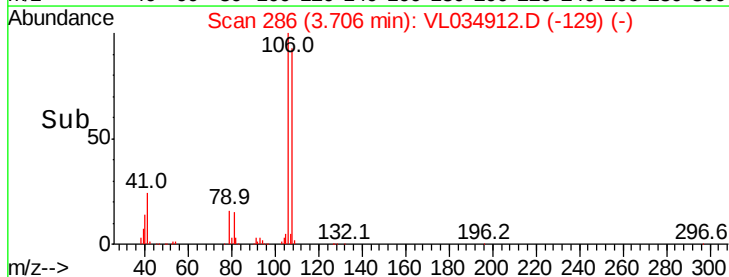
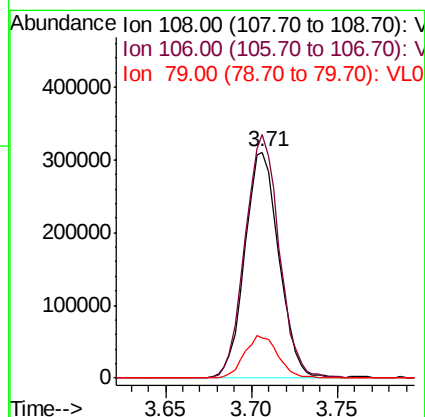
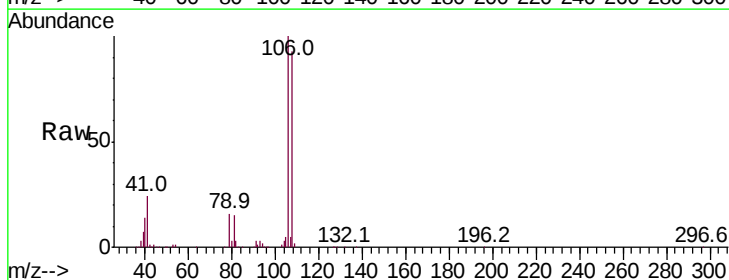
Tgt Ion: 108 Resp: 429635

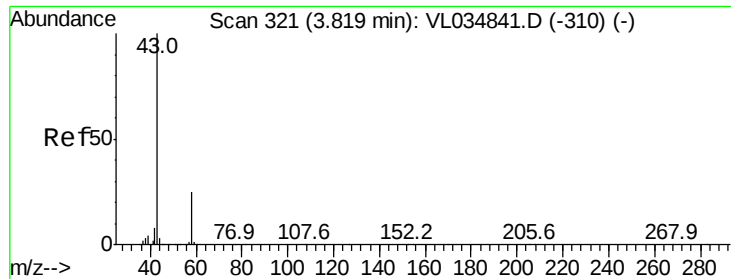
Ion Ratio Lower Upper

108 100

106 107.4 85.1 127.7

79 18.7 14.7 22.1





#15

Acetone

Concen: 11.047 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

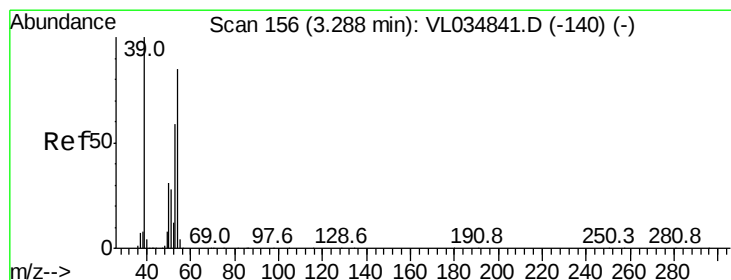
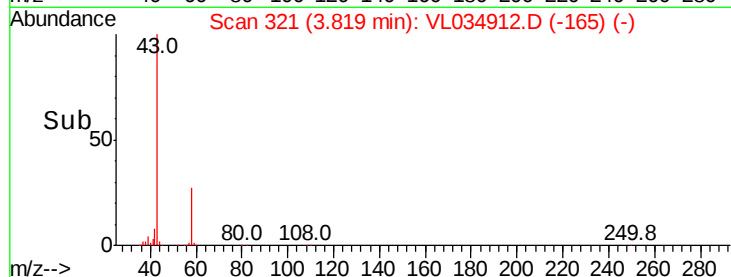
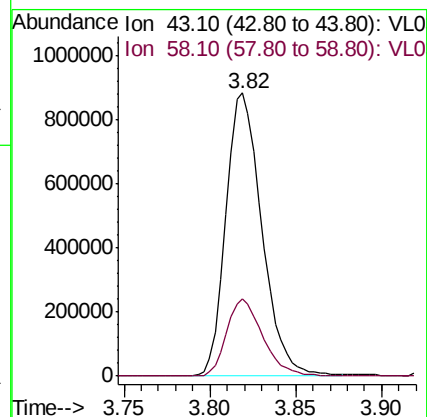
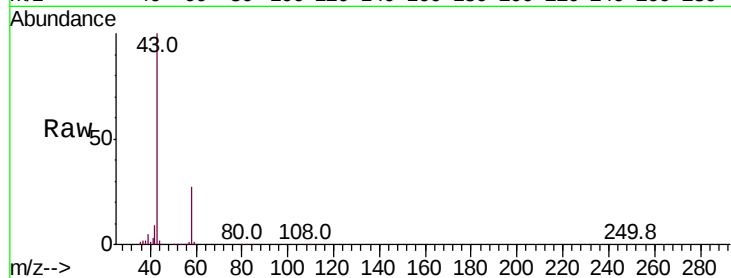
ClientSampleId :

Tot Ion: 43 Resp: 1280587

Ion Ratio Lower Upper

43 100

58 27.6 21.0 31.6



#16

1,3-Butadiene

Concen: 10.887 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034912.D

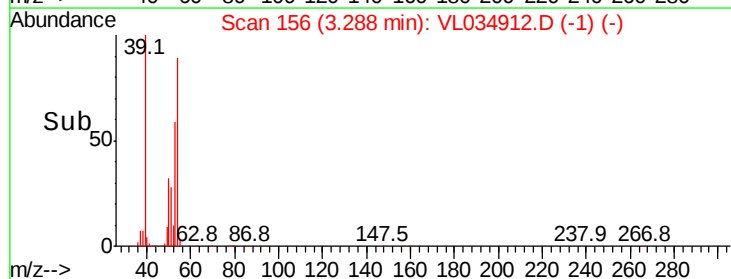
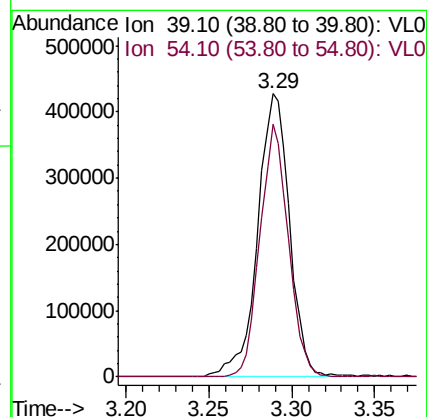
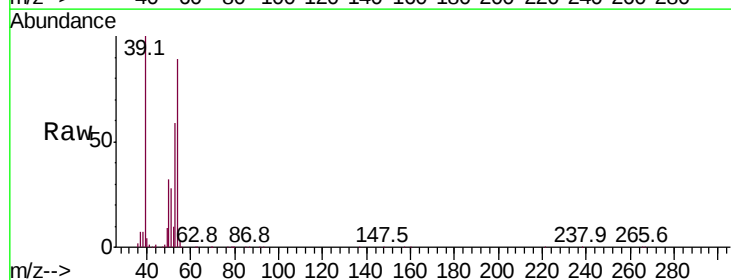
Acq: 17 Mar 2020 5:11

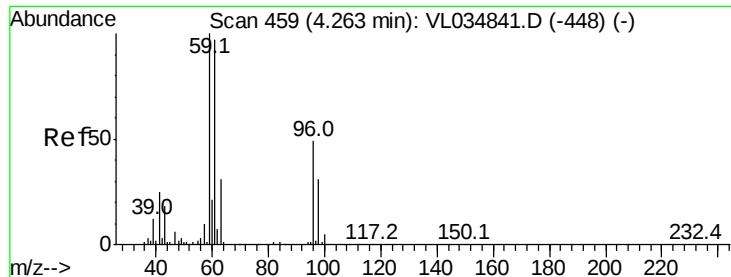
Tgt Ion: 39 Resp: 570714

Ion Ratio Lower Upper

39 100

54 79.7 65.0 97.6





#17

tert-Butyl alcohol

Concen: 8.182 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

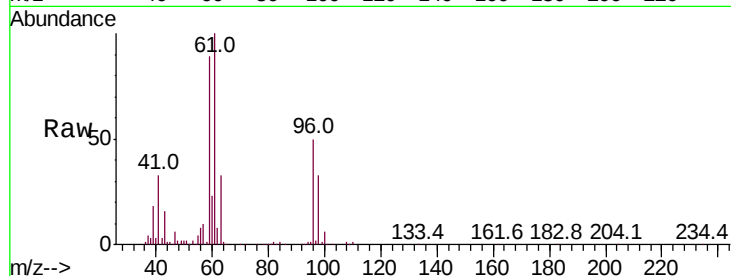
ClientSampleId :

Tot Ion: 59 Resp: 913841

Ion Ratio Lower Upper

59 100

57 10.7 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

500000

400000

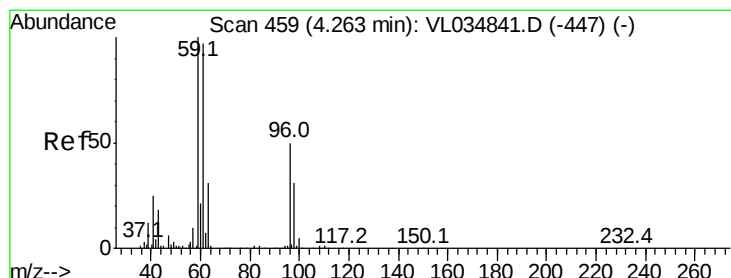
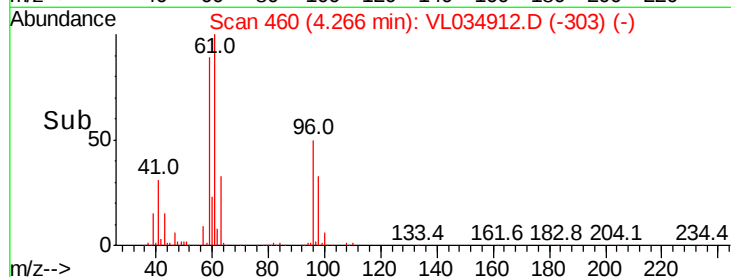
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.136 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

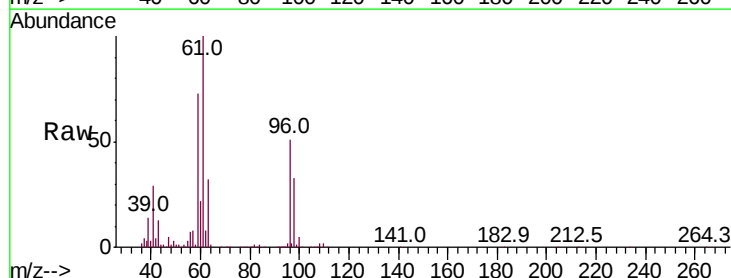
Tgt Ion: 96 Resp: 449746

Ion Ratio Lower Upper

96 100

61 194.9 157.3 235.9

98 64.3 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

800000

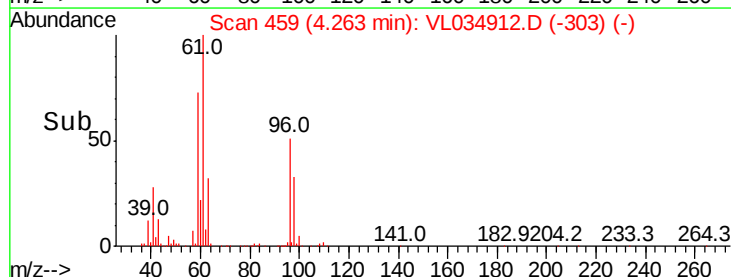
600000

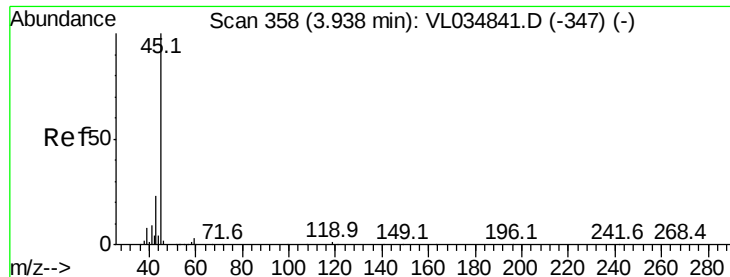
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.236 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

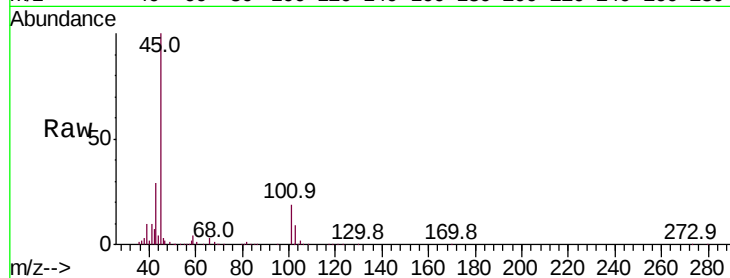
ClientSampleId :

Tot Ion: 45 Resp: 676092

Ion Ratio Lower Upper

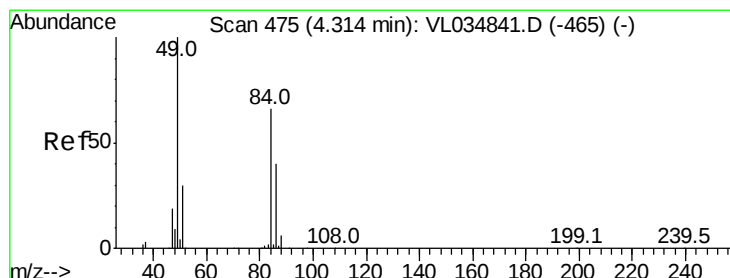
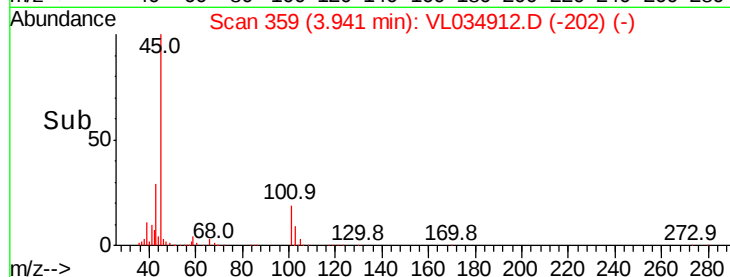
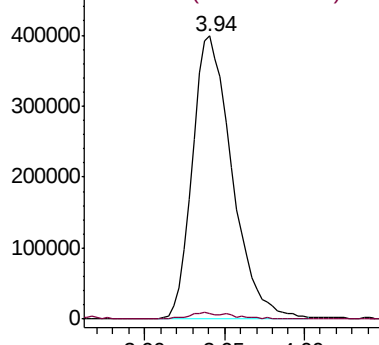
45 100

58 2.7 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: 10.821 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion: 84 Resp: 396605

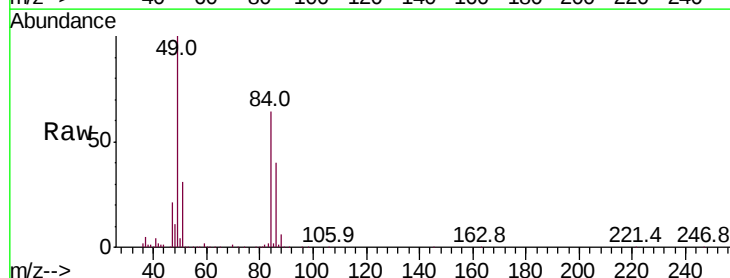
Ion Ratio Lower Upper

84 100

49 154.2 121.5 182.3

51 46.9 36.6 55.0

86 61.4 48.2 72.2

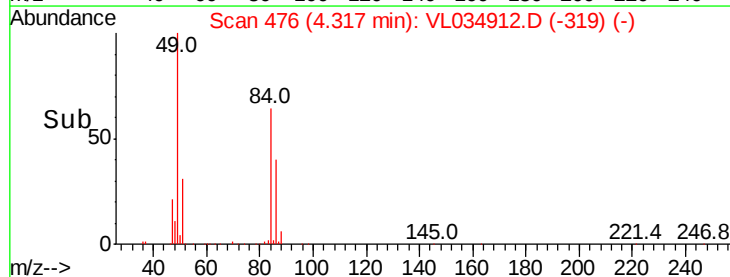
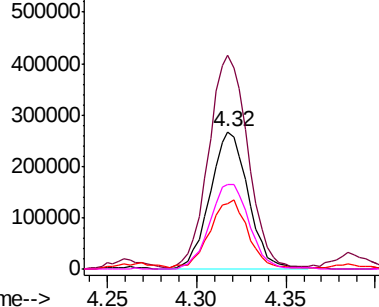


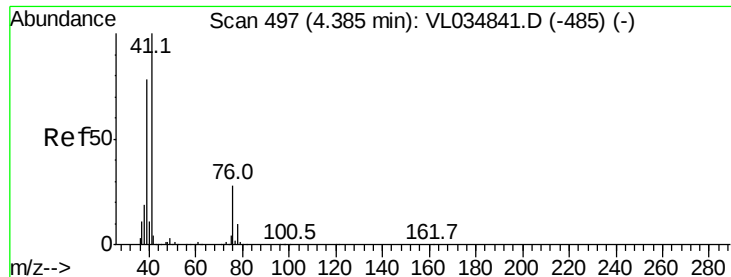
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

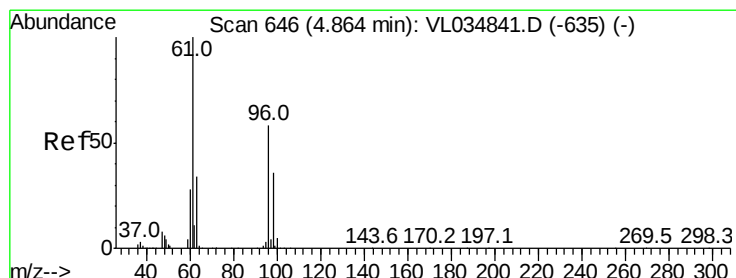
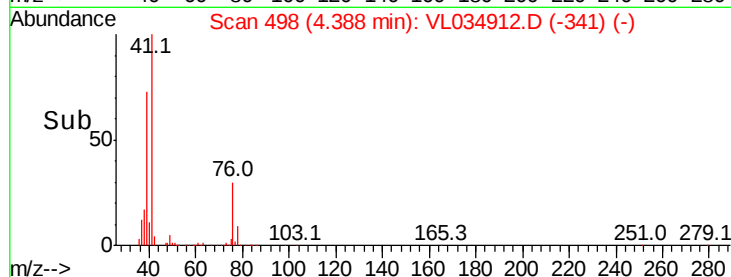
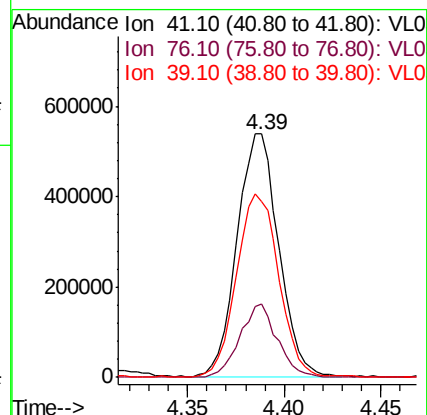
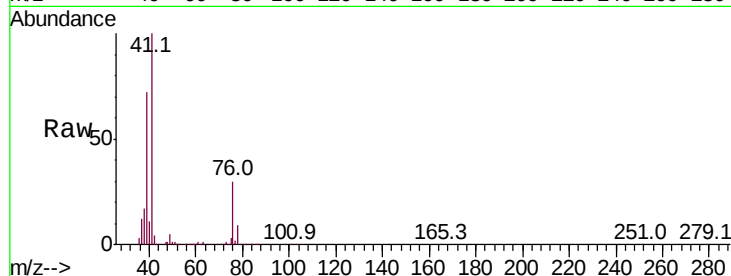




#21
Allvl Chloride
Concen: 10.767 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

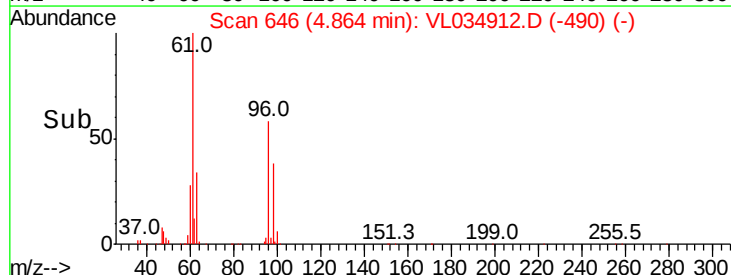
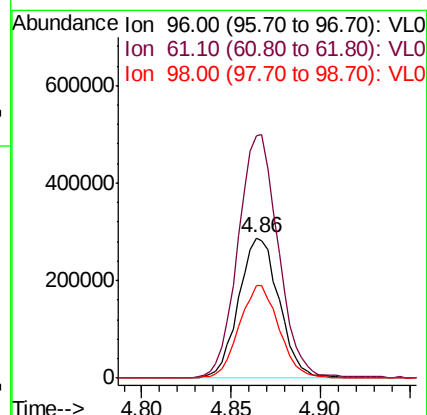
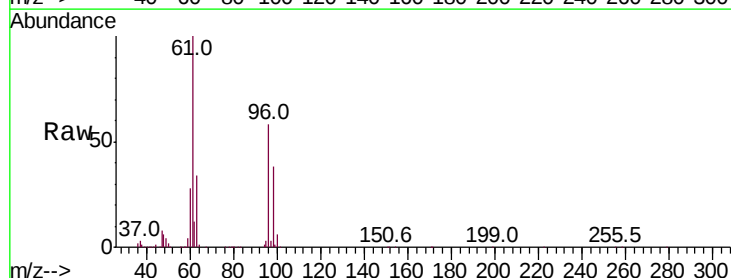
Instrument :
MSVOA_L
ClientSampleId :

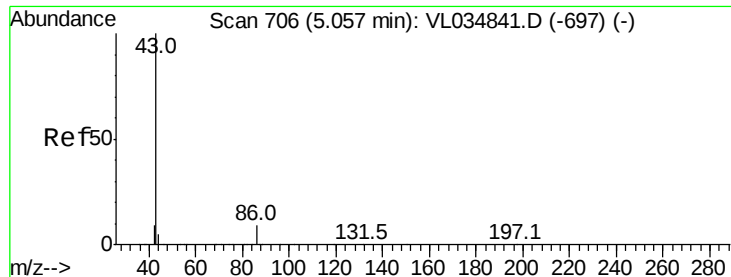
Tot Ion: 41 Resp: 801607
Ion Ratio Lower Upper
41 100
76 27.2 22.2 33.2
39 77.8 62.6 93.8



#22
trans-1,2-Dichloroethene
Concen: 11.059 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 96 Resp: 453092
Ion Ratio Lower Upper
96 100
61 173.4 139.0 208.6
98 65.8 50.3 75.5





#23

Vinyl Acetate

Concen: 10.856 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

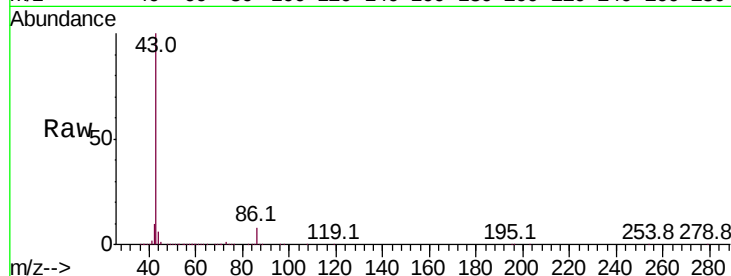
Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

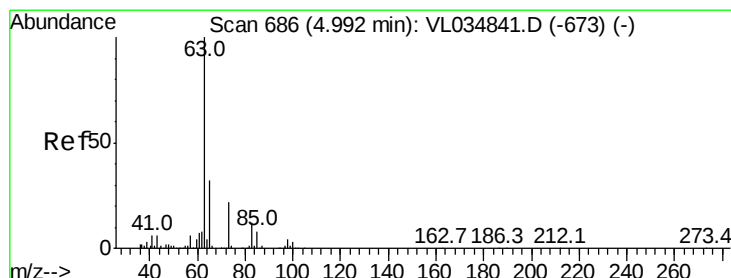
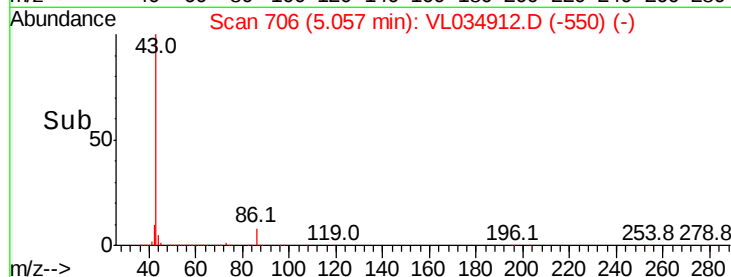
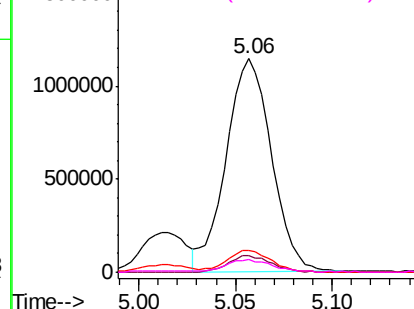
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1858917

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.3	9.5
42	10.4	7.8	11.8
44	5.4	4.0	6.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.523 ppbv

RT: 4.99 min Scan# 686

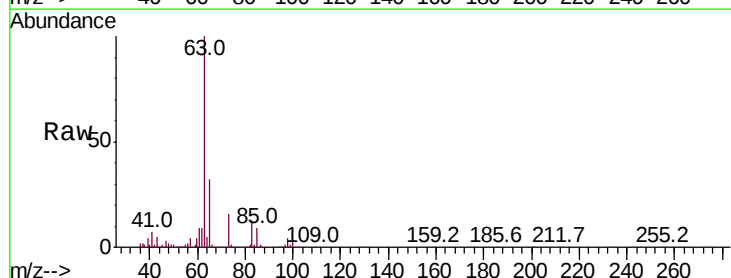
Delta R.T. 0.00 min

Lab File: VL034912.D

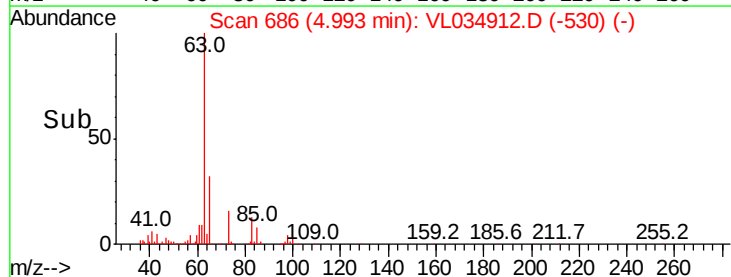
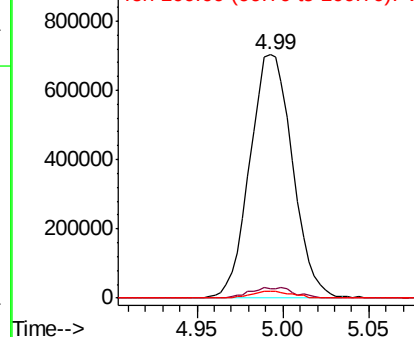
Acq: 17 Mar 2020 5:11

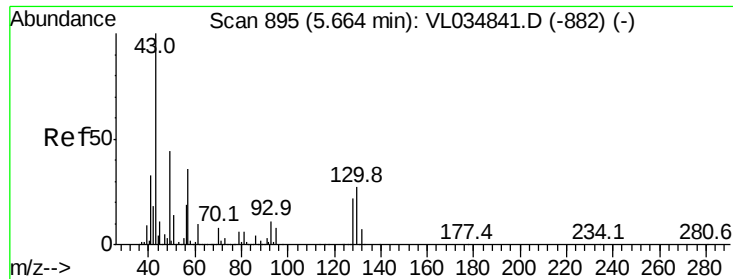
Tgt Ion: 63 Resp: 1207962

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.0	5.8
100	2.6	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



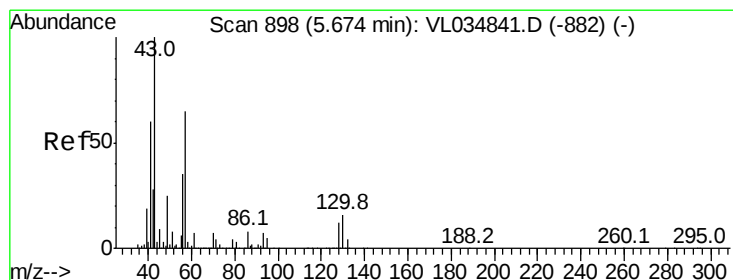
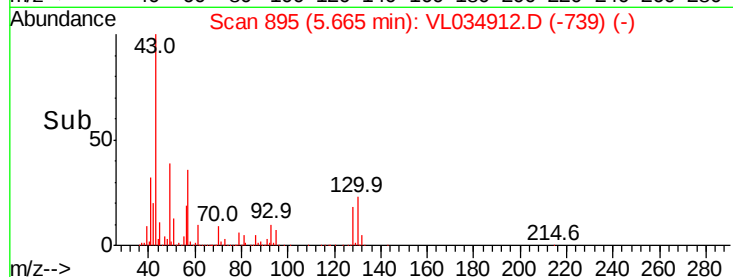
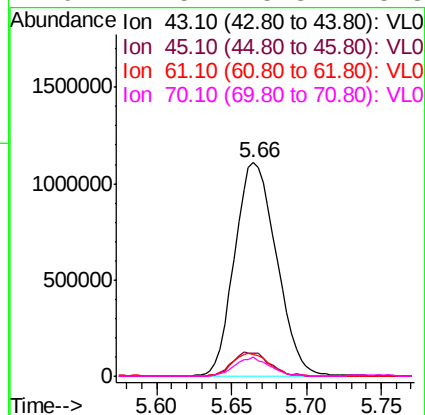
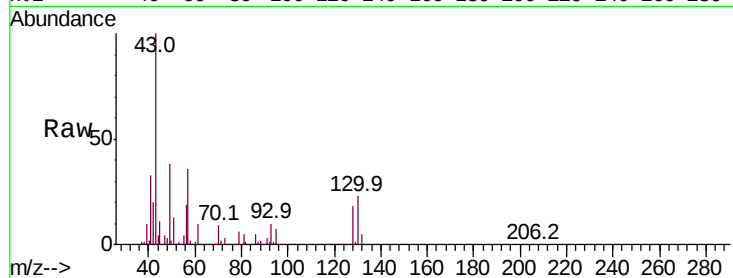


#25
Ethyl Acetate
Concen: 10.453 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2158791

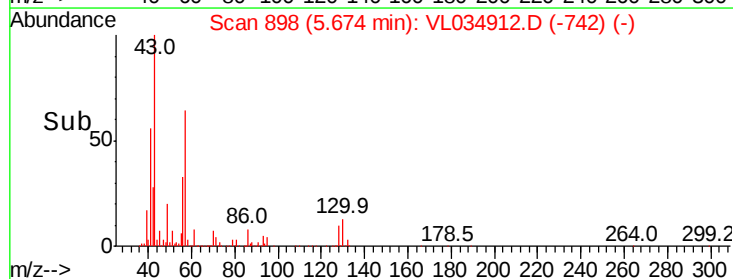
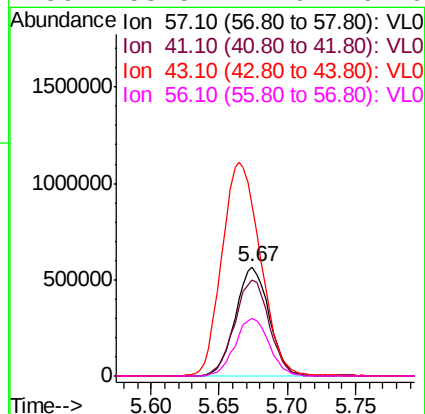
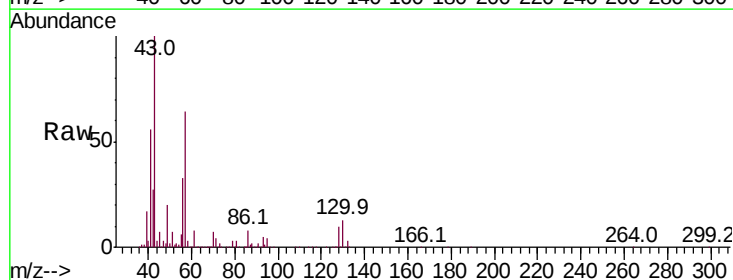
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.6	7.8	11.6
70	7.5	5.8	8.8

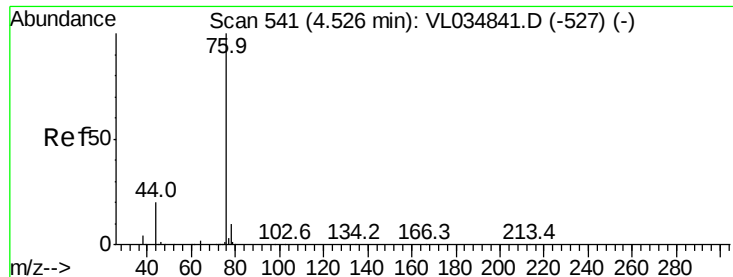


#26
Hexane
Concen: 10.878 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 57 Resp: 967429

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.6	109.0
43	225.3	183.8	275.6
56	53.5	41.9	62.9





#27

Carbon Disulfide

Concen: 11.416 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

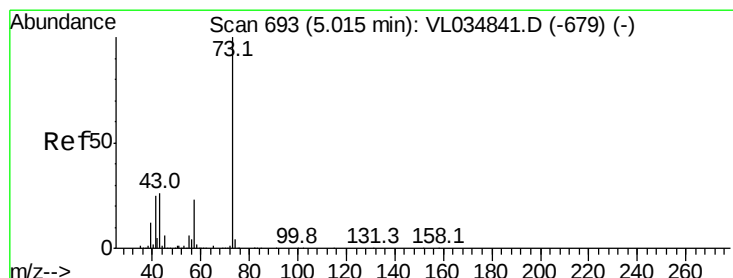
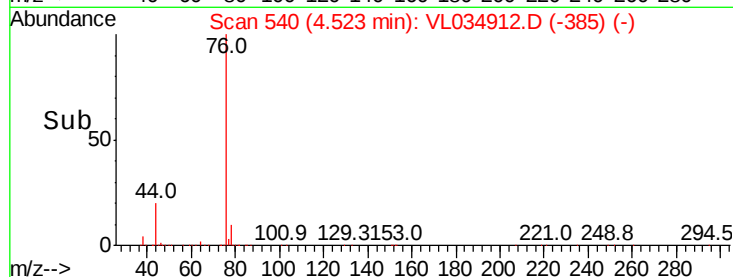
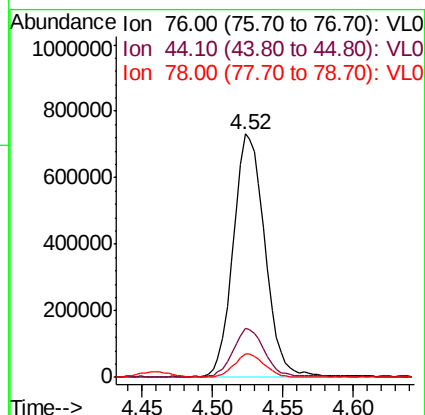
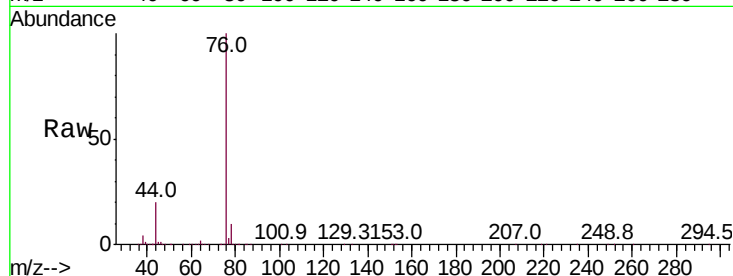
Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 1152076

Ion	Ratio	Lower	Upper
76	100		
44	19.5	16.2	24.2
78	9.1	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 9.731 ppbv

RT: 5.02 min Scan# 693

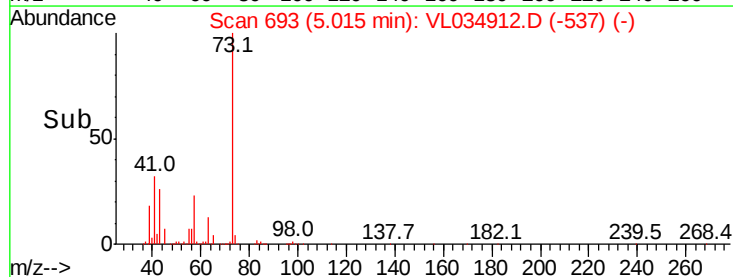
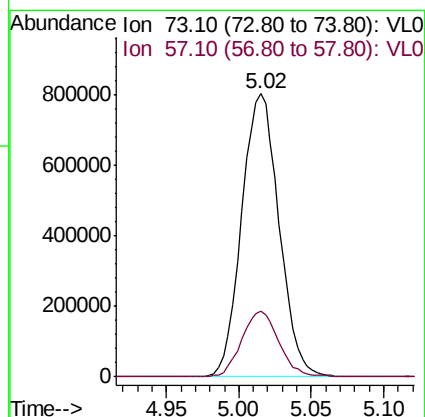
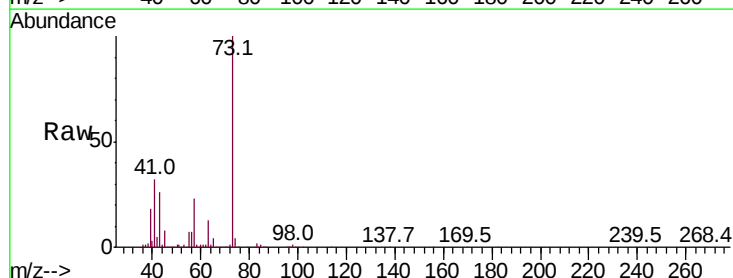
Delta R.T. 0.00 min

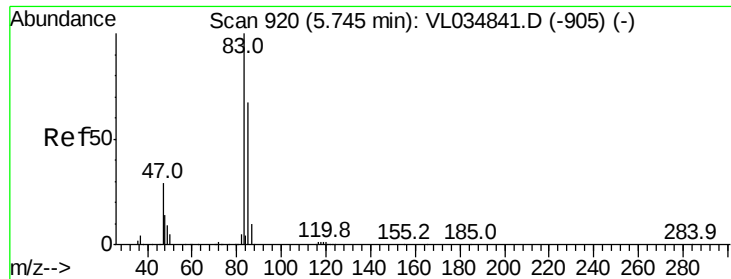
Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion: 73 Resp: 1439943

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5

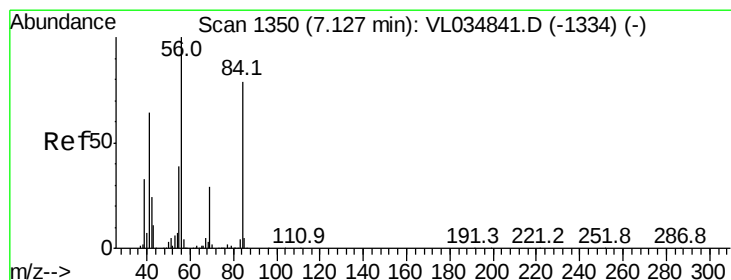
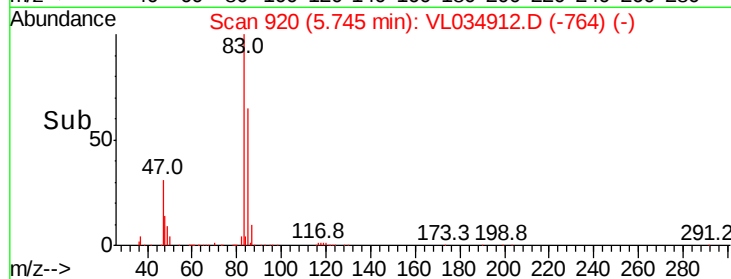
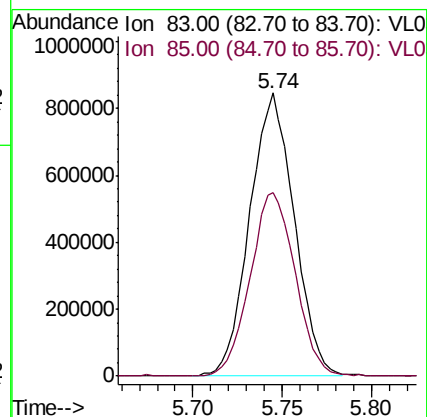
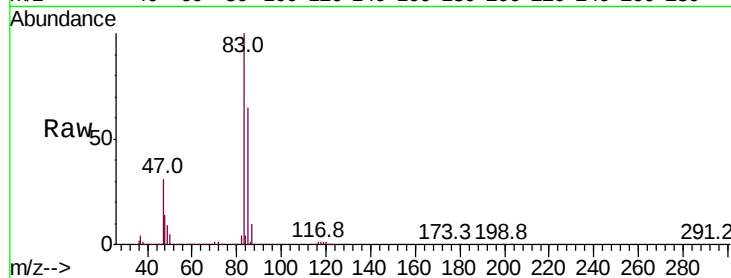




#29
Chloroform
Concen: 10.889 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

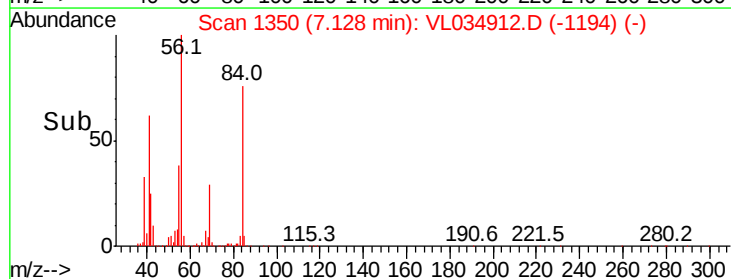
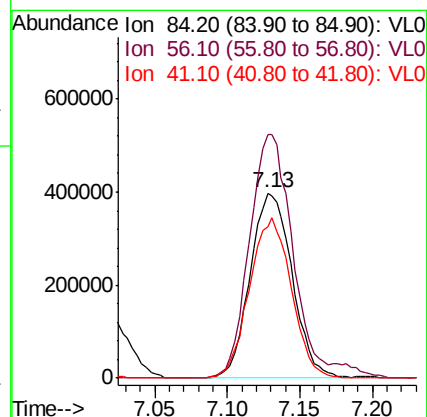
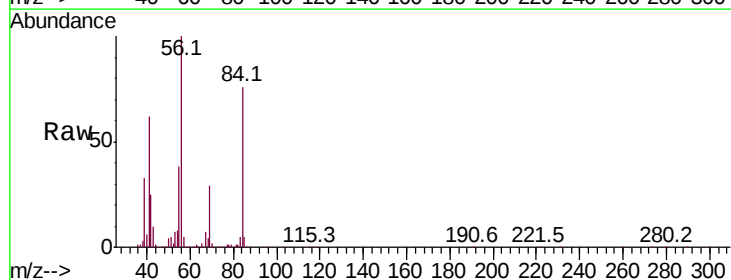
Instrument :
MSVOA_L
ClientSampleId :

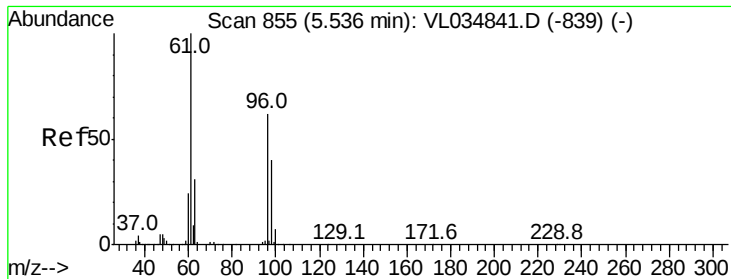
Tot Ion: 83 Resp: 1477575
Ion Ratio Lower Upper
83 100
85 64.6 53.8 80.6



#30
Cyclohexane
Concen: 10.807 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 84 Resp: 801886
Ion Ratio Lower Upper
84 100
56 138.7 110.5 165.7
41 86.3 68.2 102.4



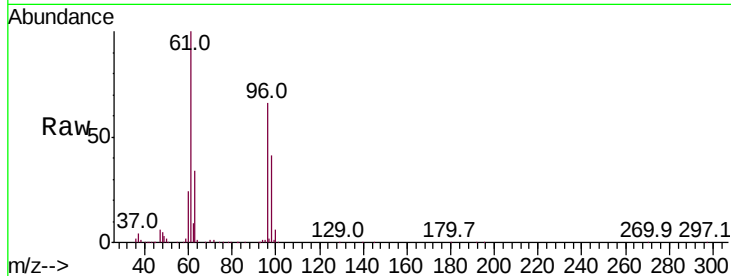


#31

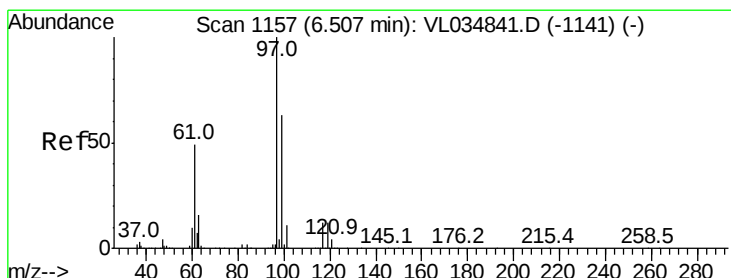
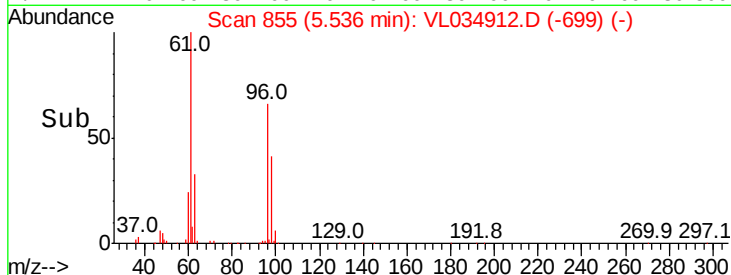
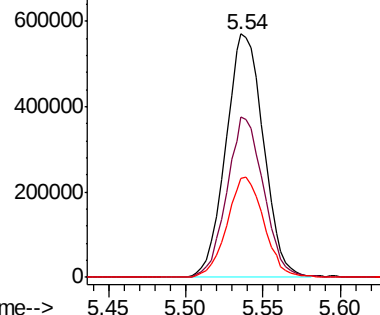
cis-1,2-Dichloroethene
 Concen: 10.633 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.7	49.8	74.8
98	40.7	32.2	48.4



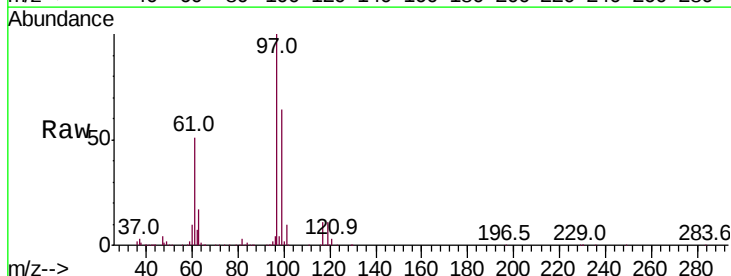
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



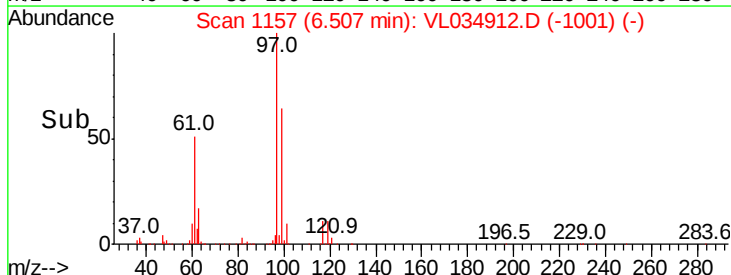
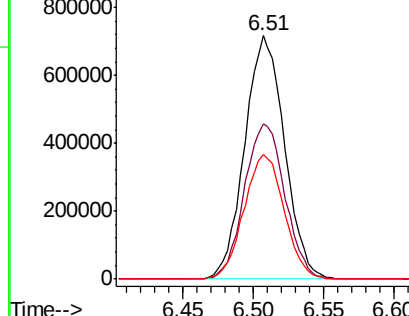
#32

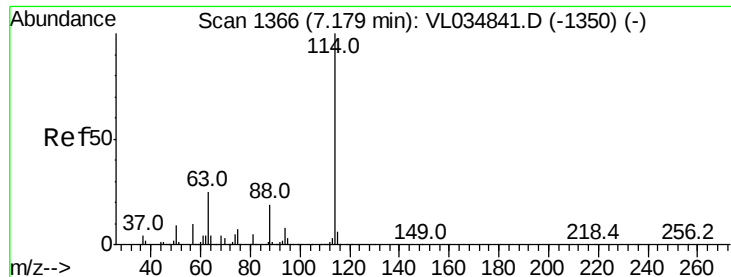
1,1,1-Trichloroethane
 Concen: 10.714 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	51.9	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

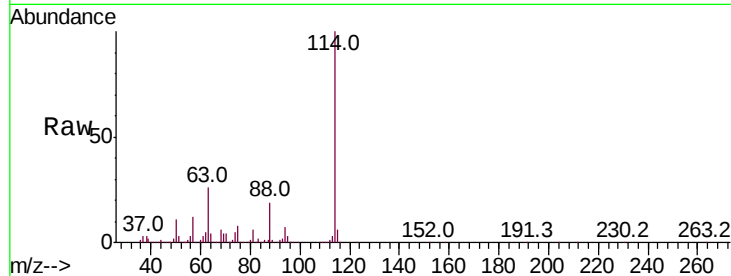




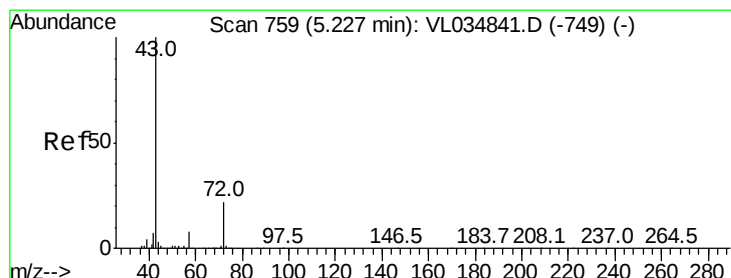
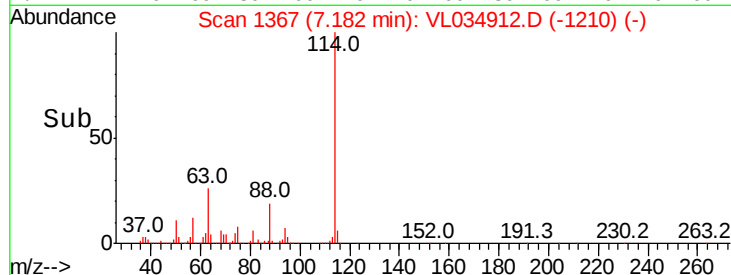
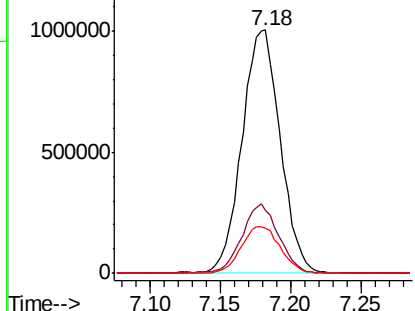
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion:114 Resp: 1910241
 Ion Ratio Lower Upper
 114 100
 63 28.0 20.6 31.0
 88 19.6 15.0 22.6

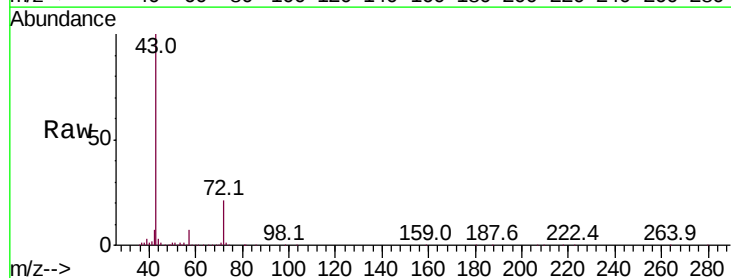


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

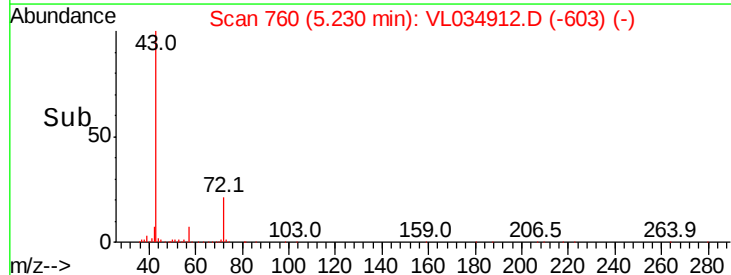
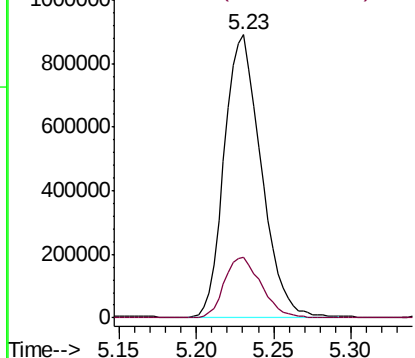


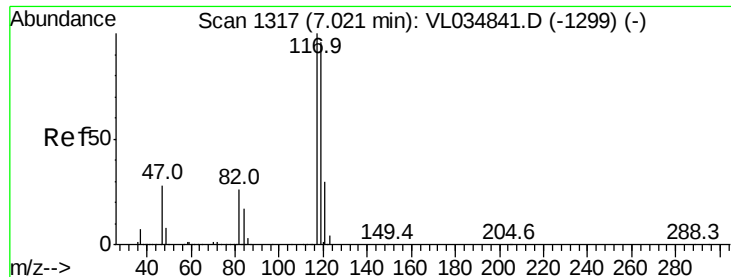
#34
 2-Butanone
 Concen: 11.560 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 43 Resp: 1467504
 Ion Ratio Lower Upper
 43 100
 72 21.8 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: 12.147 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

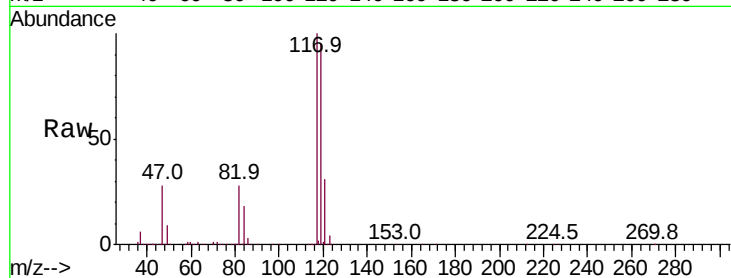
Tot Ion:117 Resp: 1443184

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.4

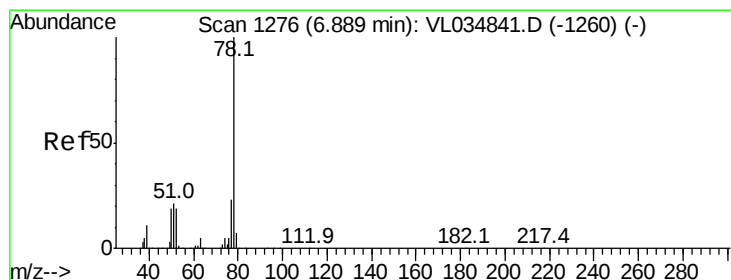
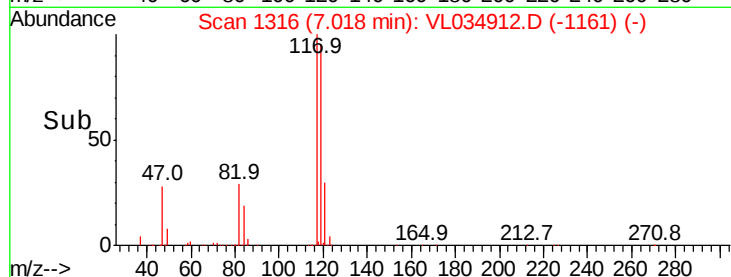
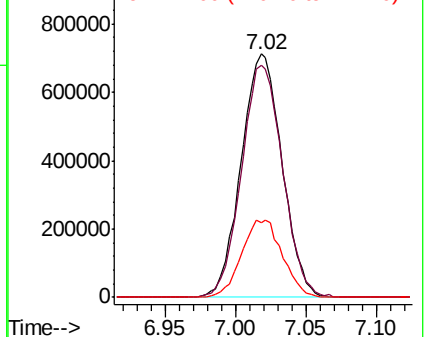
121 30.7 24.0 36.0



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: 11.337 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

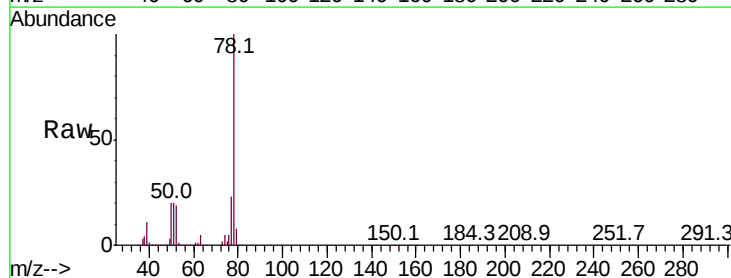
Tgt Ion: 78 Resp: 1930402

Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

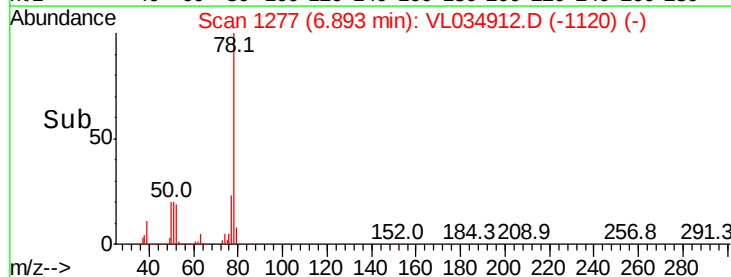
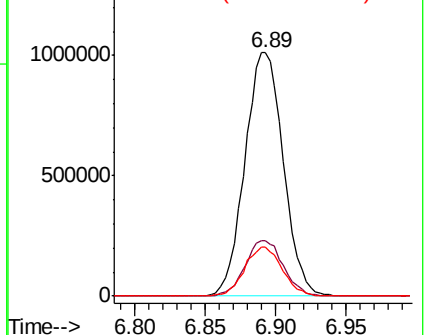
50 20.3 15.2 22.8

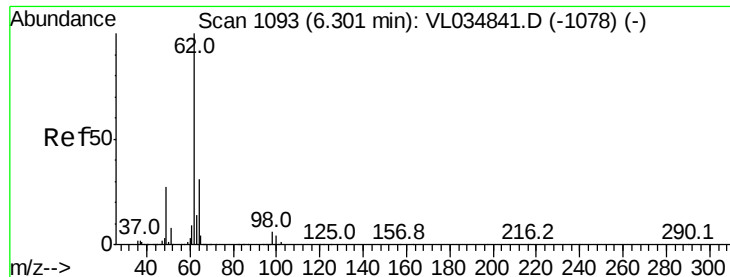


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.936 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

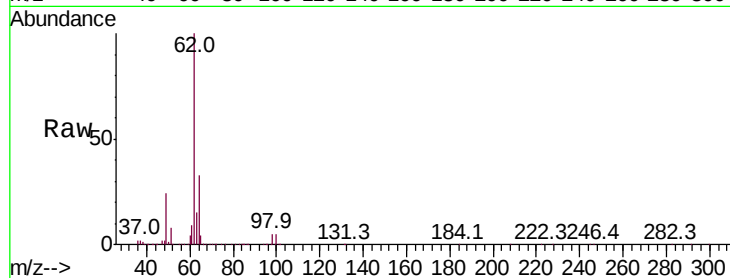
ClientSampleId :

Tot Ion: 62 Resp: 1145973

Ion Ratio Lower Upper

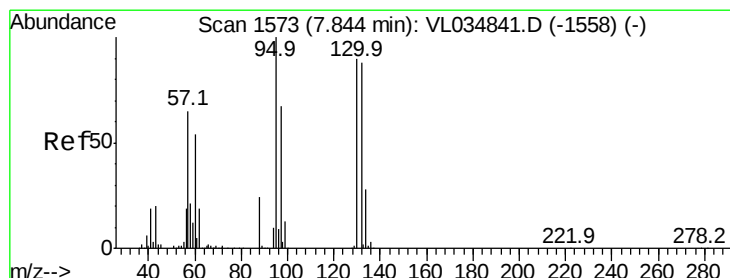
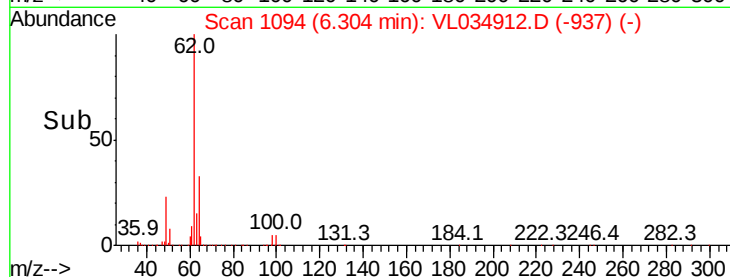
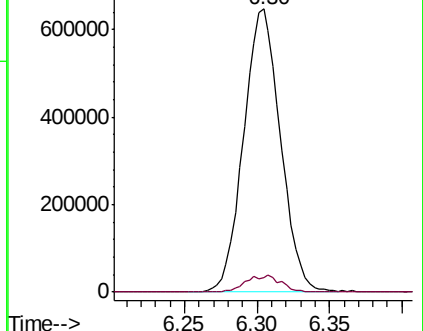
62 100

98 5.8 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.205 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:130 Resp: 724613

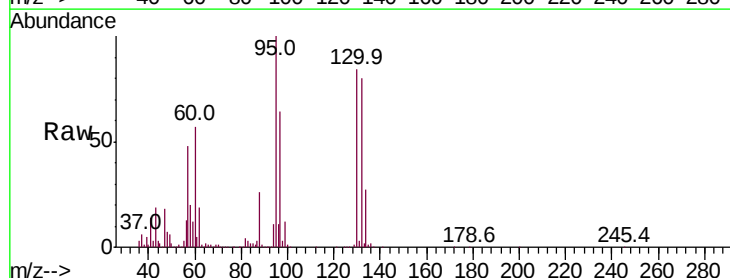
Ion Ratio Lower Upper

130 100

95 119.3 88.5 132.7

132 95.5 78.0 117.0

97 75.8 59.3 88.9

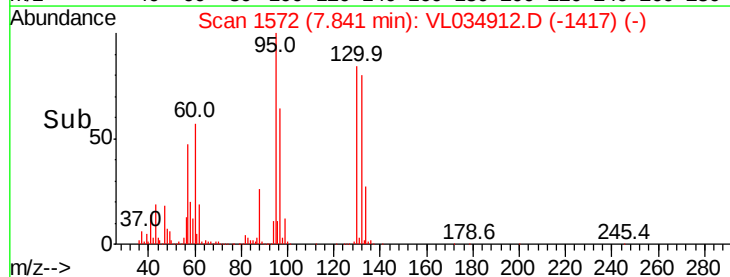
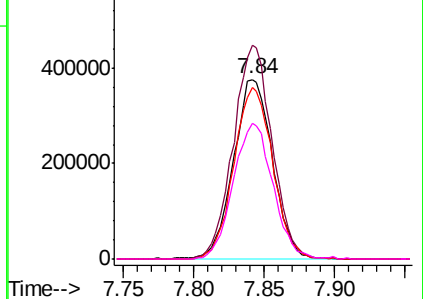


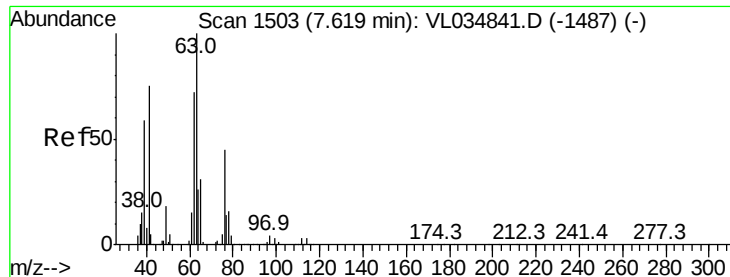
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 11.116 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampled :

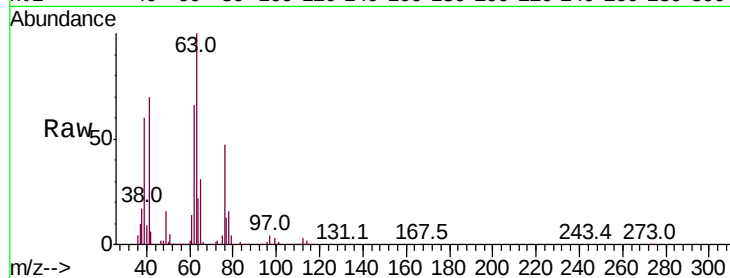
Tot Ion: 63 Resp: 749876

Ion Ratio Lower Upper

63 100

41 70.2 59.8 89.8

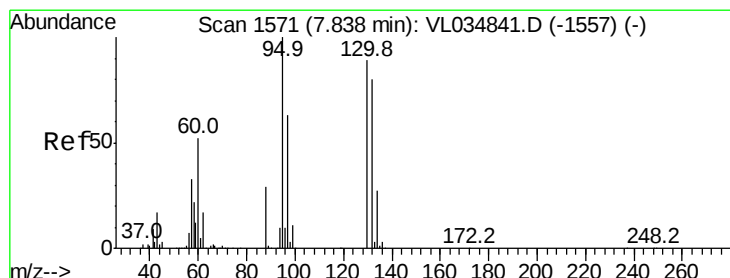
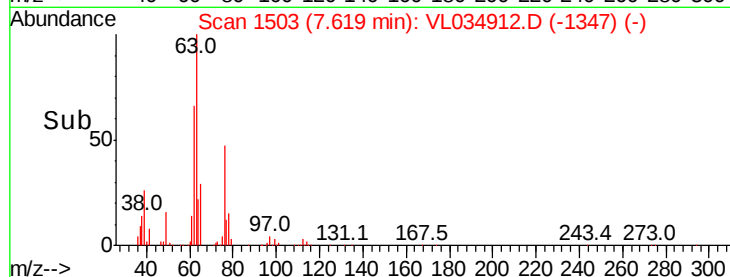
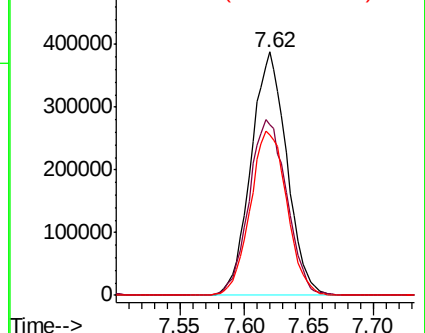
62 66.1 57.6 86.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.612 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion: 88 Resp: 270371

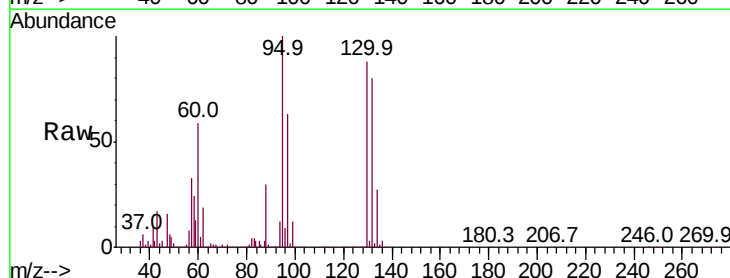
Ion Ratio Lower Upper

88 100

58 137.3 103.9 155.9

43 291.4 0.0 0.0#

57 1246.8 0.0 0.0#

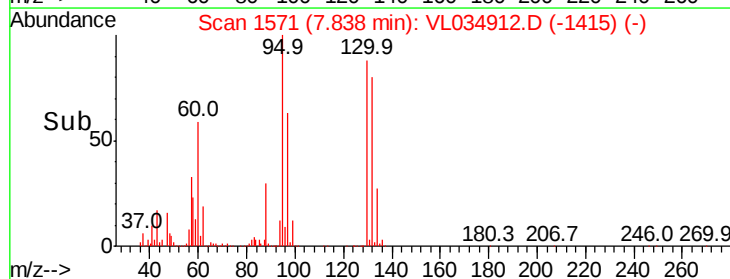
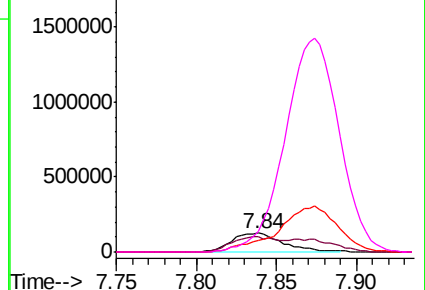


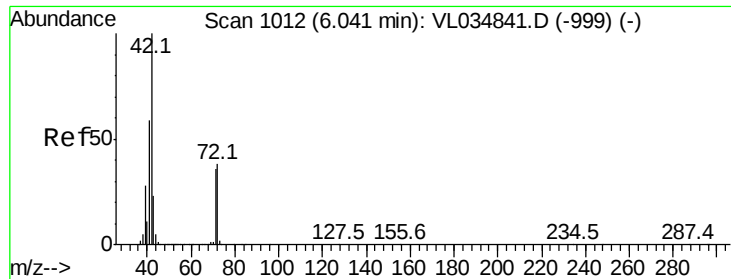
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

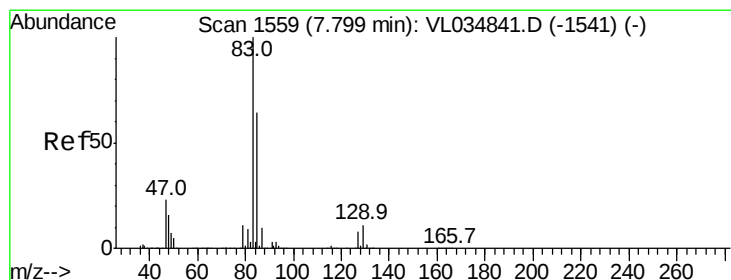
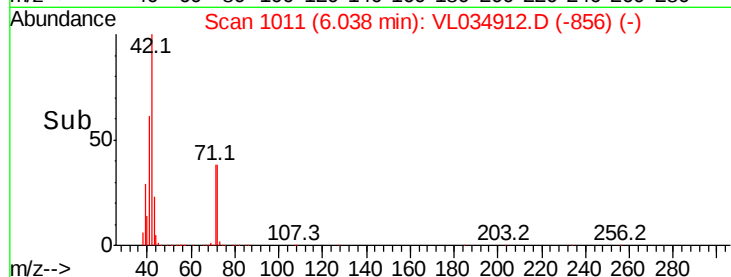
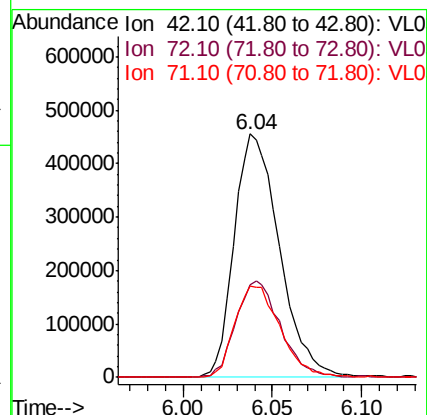
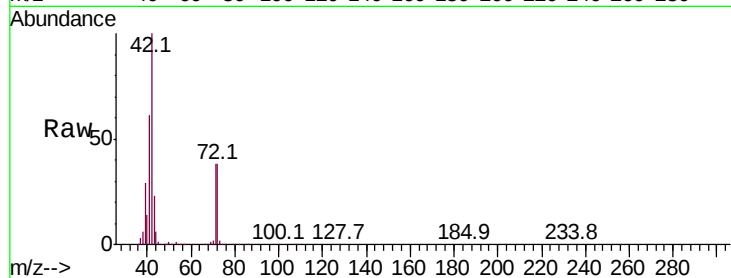




#41
Tetrahydrofuran
Concen: 11.596 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

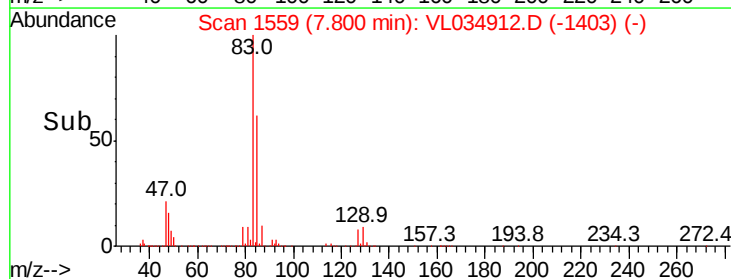
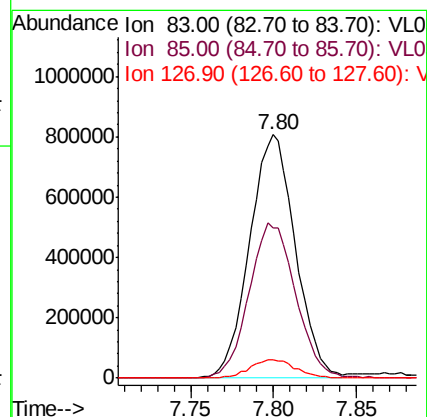
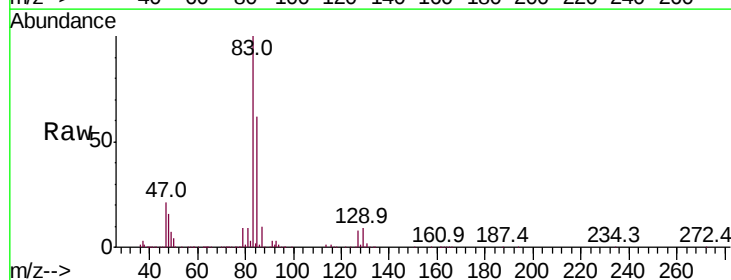
Instrument :
MSVOA_L
ClientSampleId :

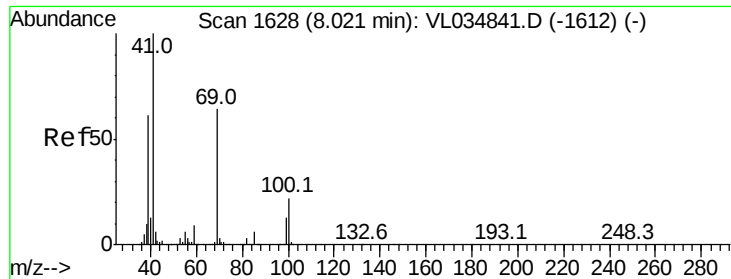
Tot Ion: 42 Resp: 796513
Ion Ratio Lower Upper
42 100
72 39.7 30.8 46.2
71 38.3 30.1 45.1



#42
Bromodichloromethane
Concen: 11.826 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 83 Resp: 1547405
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.2
127 7.7 6.2 9.4

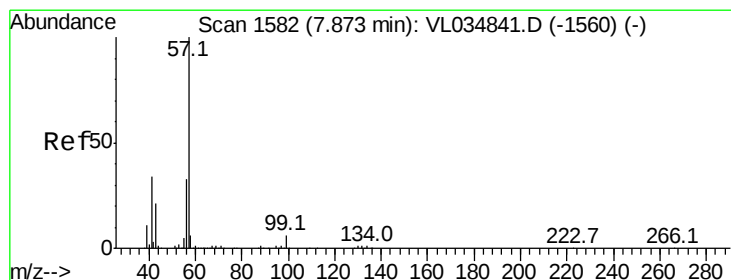
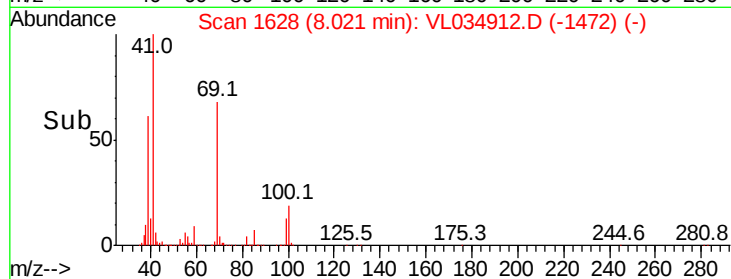
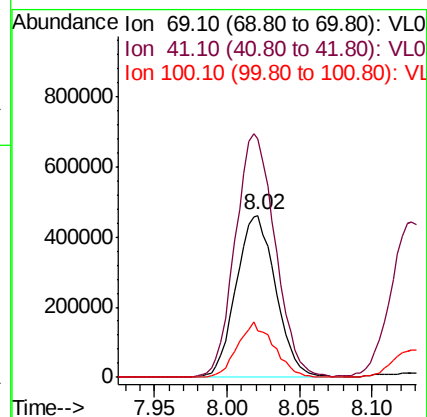
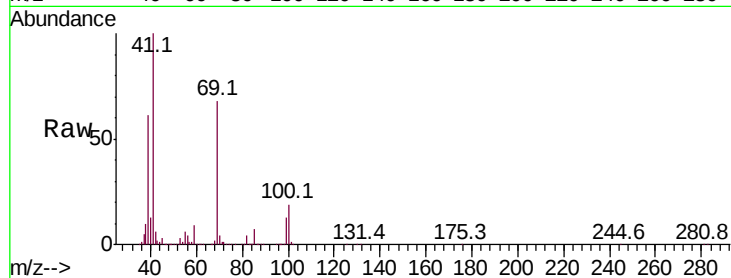




#43
Methvl Methacrylate
Concen: 12.198 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

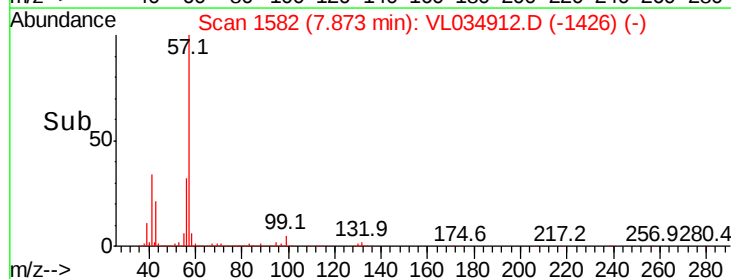
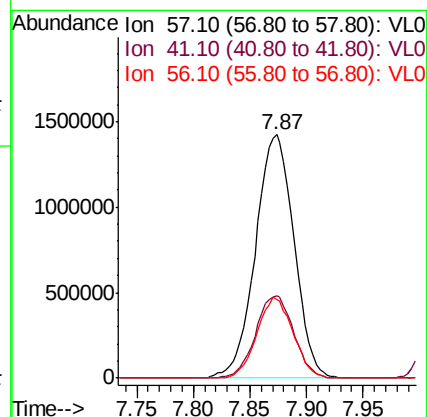
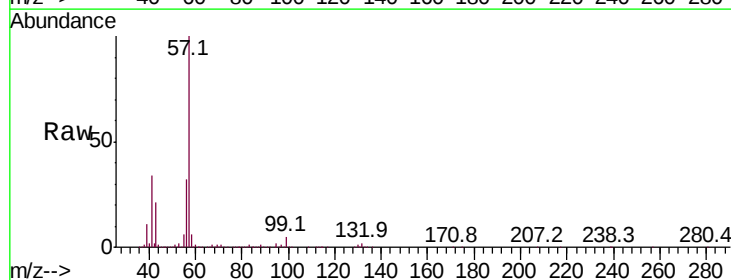
Instrument :
MSVOA_L
ClientSampleId :

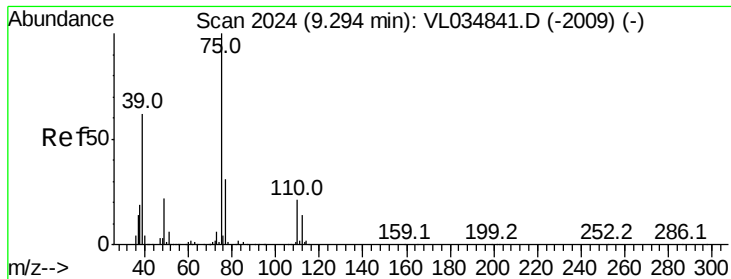
Tot Ion: 69 Resp: 874983
Ion Ratio Lower Upper
69 100
41 152.0 123.2 184.8
100 31.2 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 11.698 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 57 Resp: 3365811
Ion Ratio Lower Upper
57 100
41 33.5 26.2 39.4
56 31.4 25.0 37.4

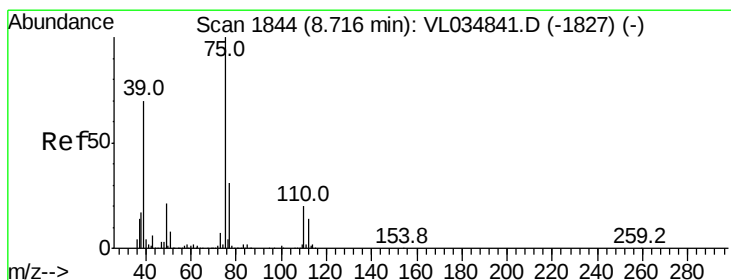
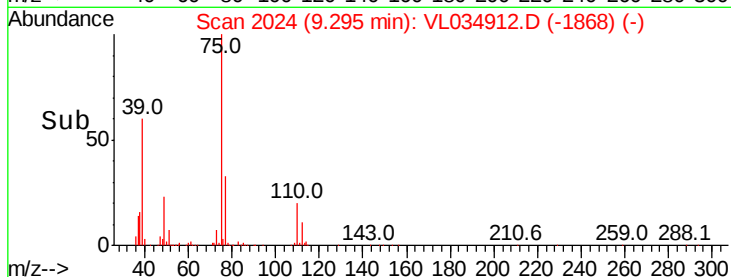
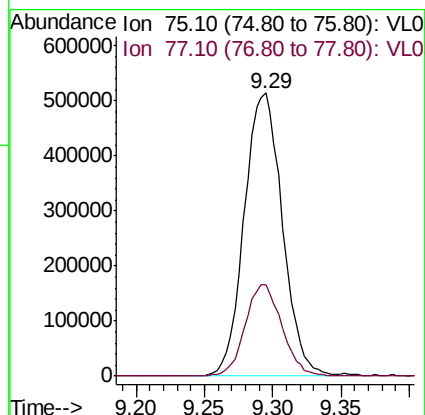
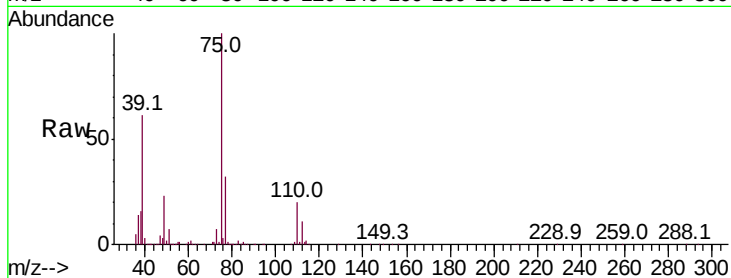




#45
 t-1,3-Dichloropropene
 Concen: 11.833 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

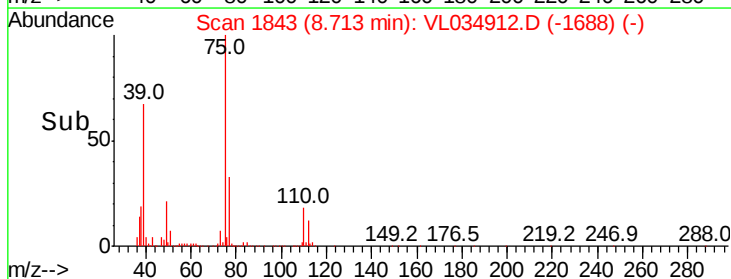
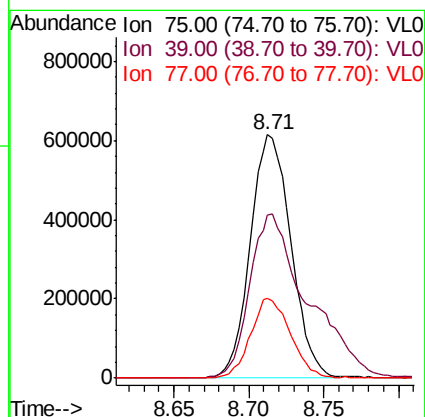
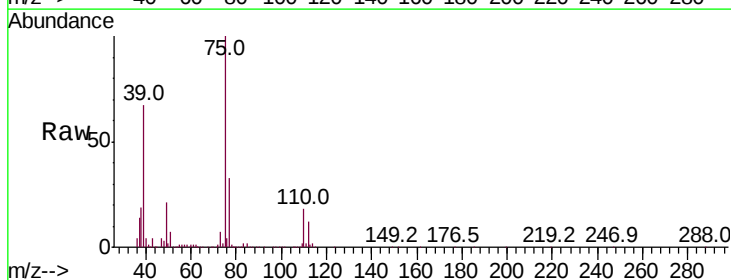
Instrument :
 MSVOA_L
 ClientSampled :

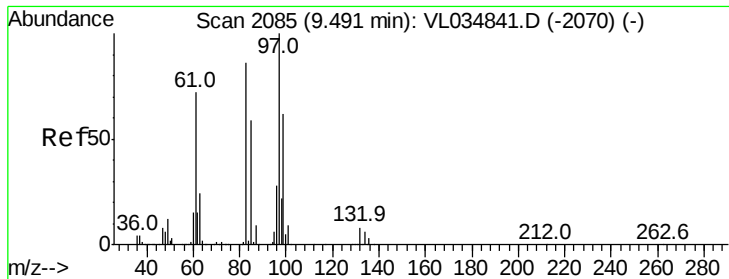
Tot Ion: 75 Resp: 997241
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 11.626 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 75 Resp: 1164290
 Ion Ratio Lower Upper
 75 100
 39 66.7 55.7 83.5
 77 32.7 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 11.387 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 788359

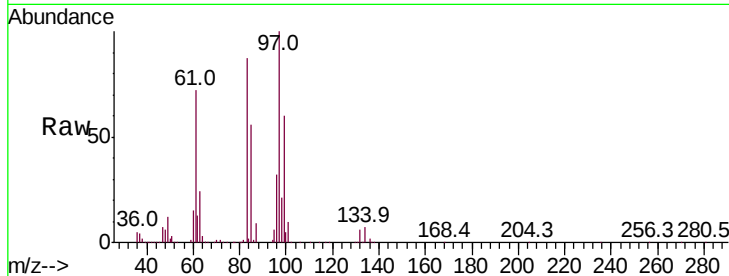
Ion Ratio Lower Upper

97 100

83 86.6 68.6 102.8

85 55.7 46.9 70.3

99 60.2 49.9 74.9



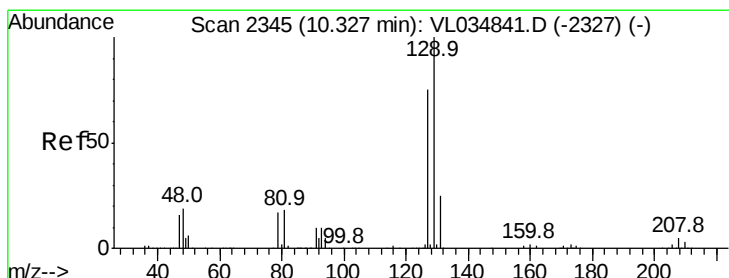
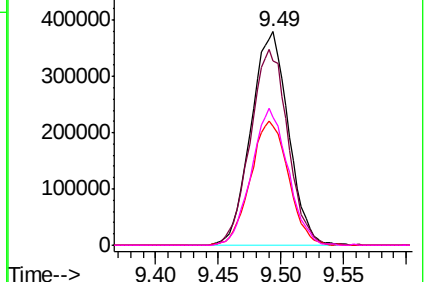
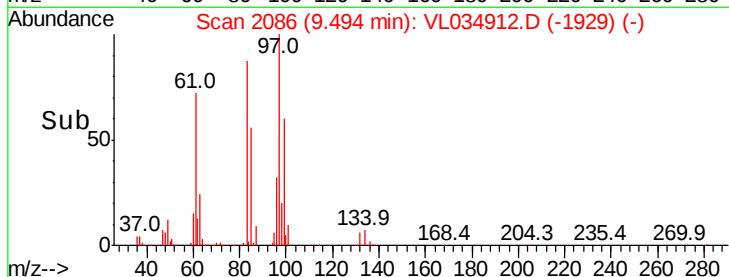
Abundance

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: 11.124 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL034912.D

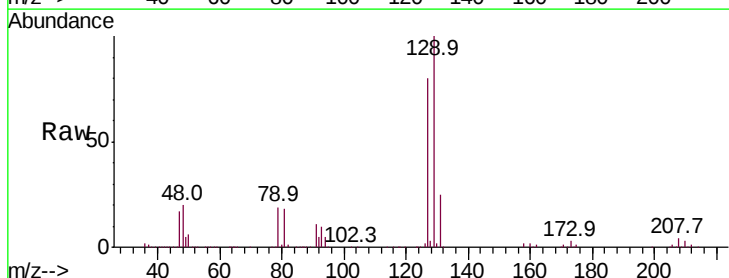
Acq: 17 Mar 2020 5:11

Tgt Ion: 129 Resp: 1247228

Ion Ratio Lower Upper

129 100

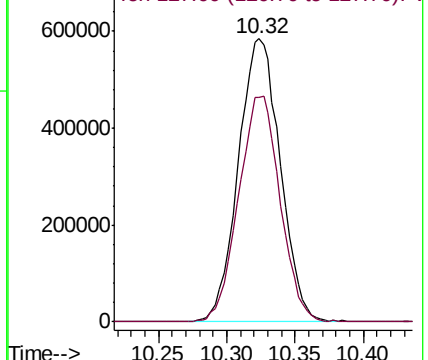
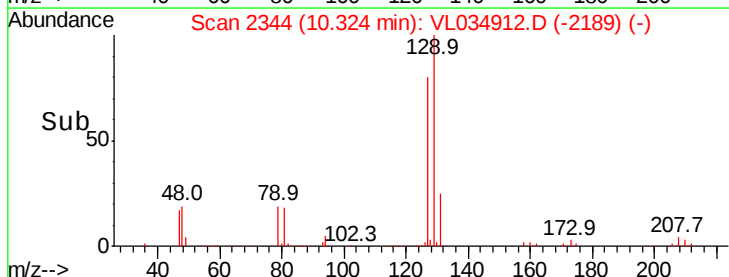
127 79.0 39.6 118.7

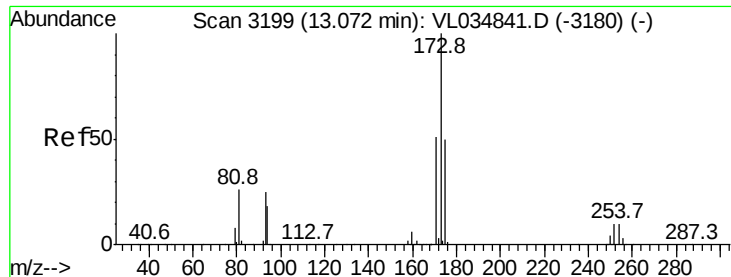


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.870 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

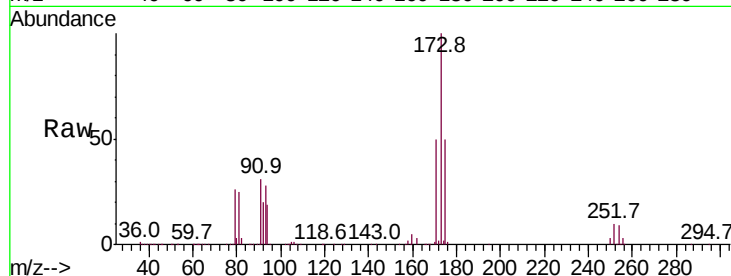
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1086605

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.6	59.4
171	51.3	41.0	61.6

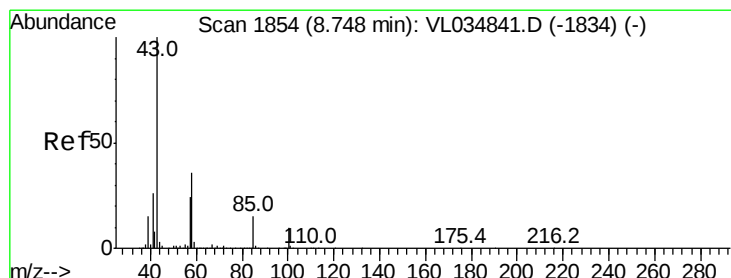
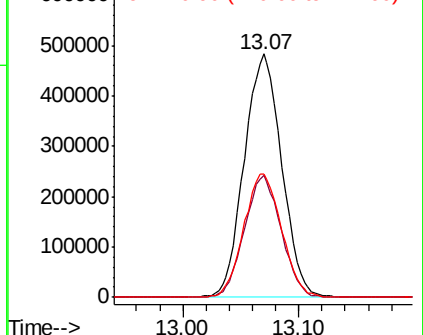
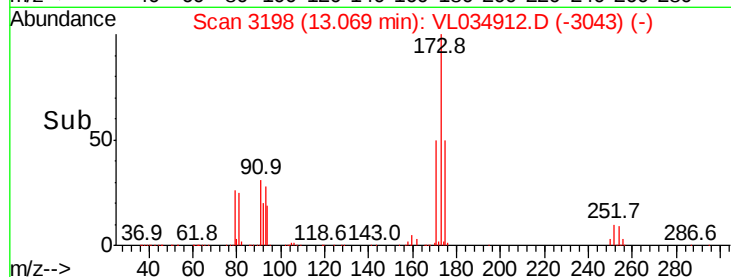


Abundance

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: 11.924 ppbv

RT: 8.75 min Scan# 1854

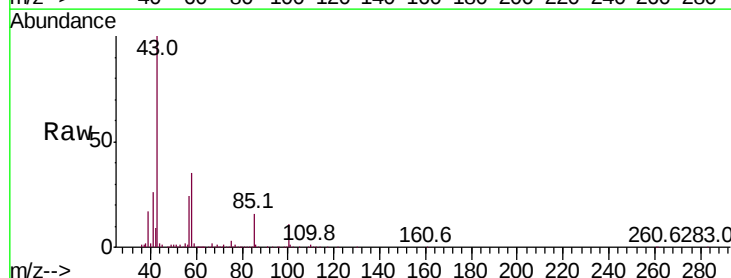
Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion: 43 Resp: 2178920

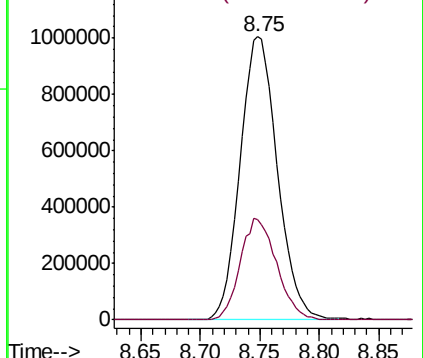
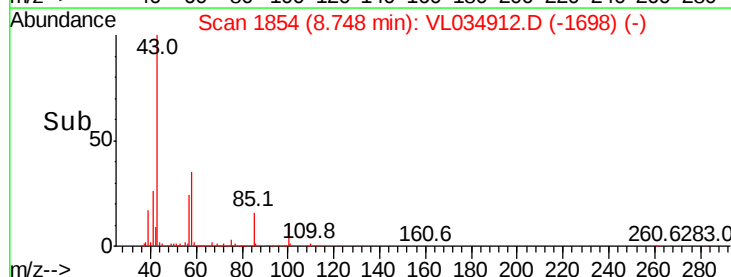
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	42.8

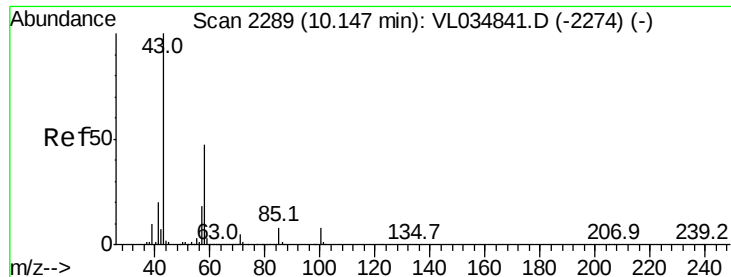


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.721 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

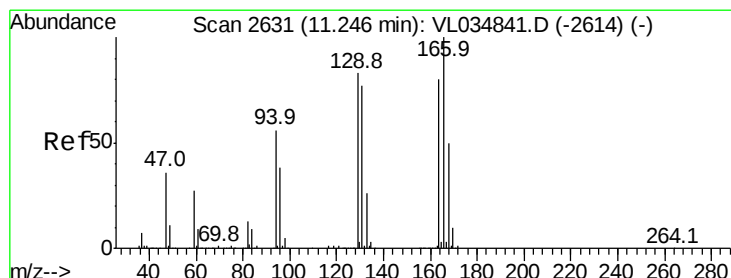
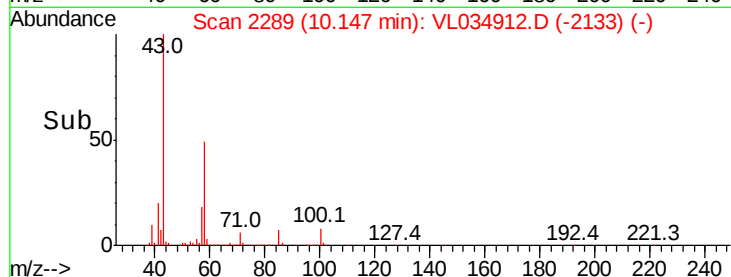
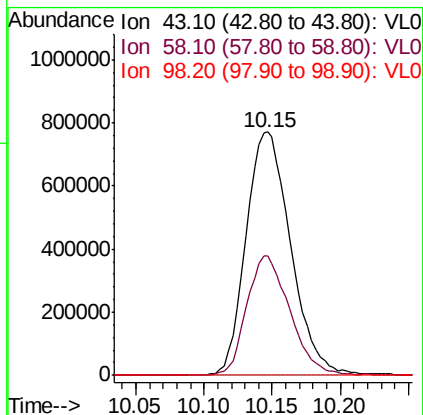
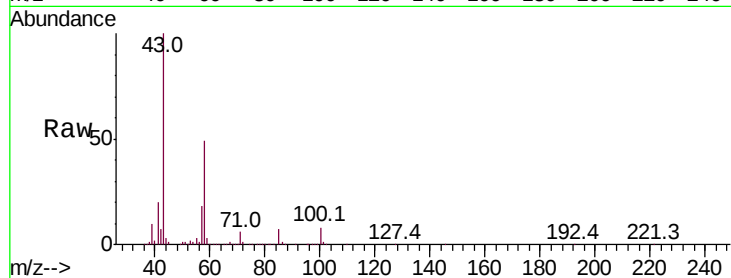
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1740714

Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.6	58.0
98	0.1	0.1	0.1#



#52

Tetrachloroethene

Concen: 9.775 ppbv

RT: 11.24 min Scan# 2630

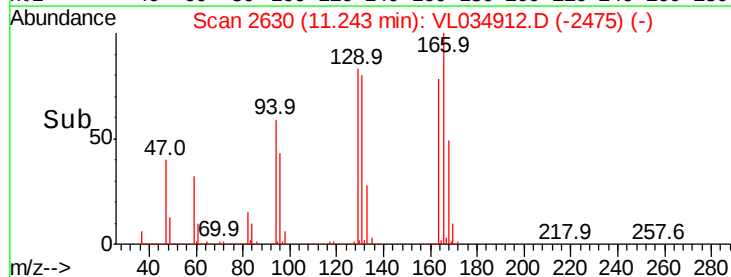
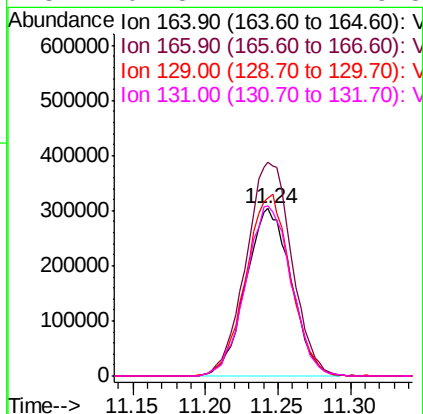
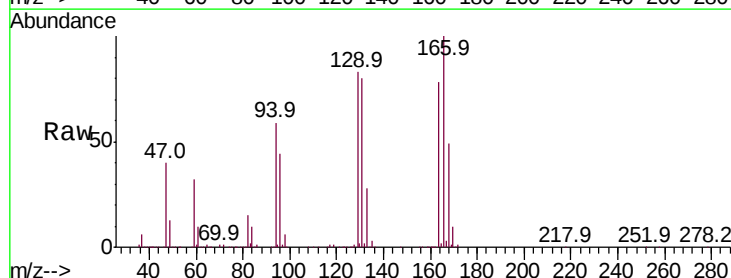
Delta R.T. -0.00 min

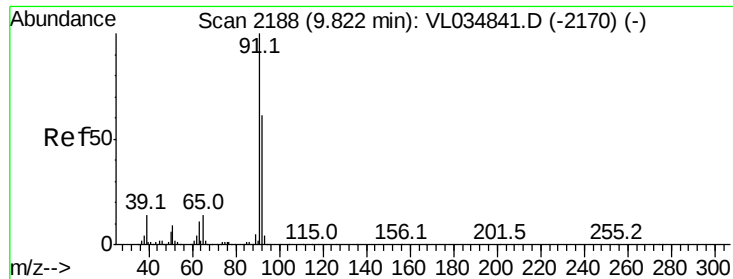
Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion: 164 Resp: 658468

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.0	150.0
129	106.3	83.1	124.7
131	101.8	77.2	115.8





#53

Toluene

Concen: 11.328 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

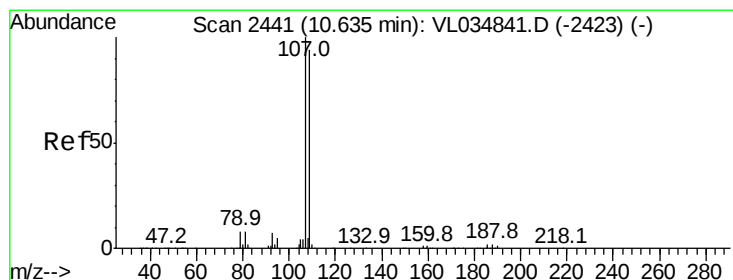
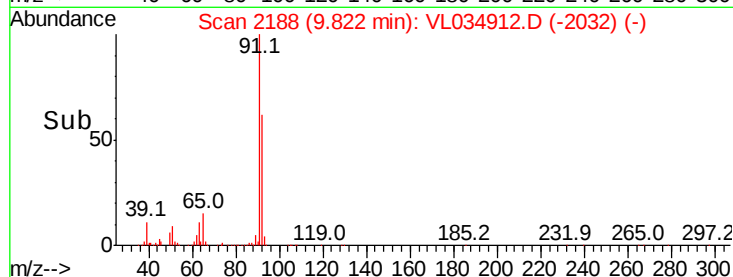
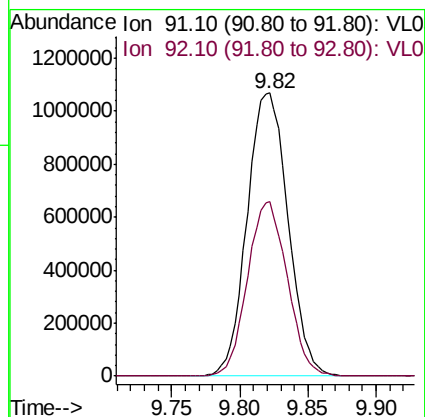
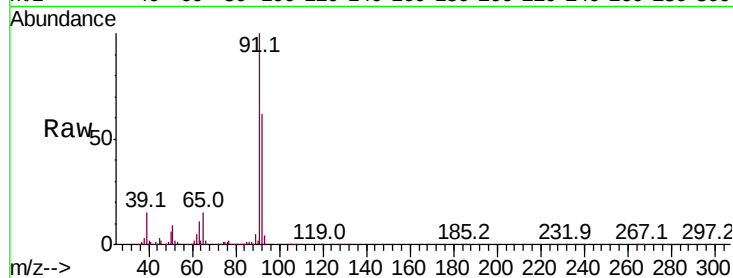
ClientSampleId :

Tot Ion: 91 Resp: 2227397

Ion Ratio Lower Upper

91 100

92 60.0 48.6 72.8



#54

1,2-Dibromoethane

Concen: 11.216 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034912.D

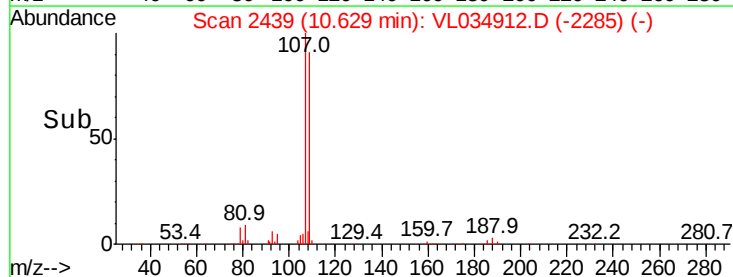
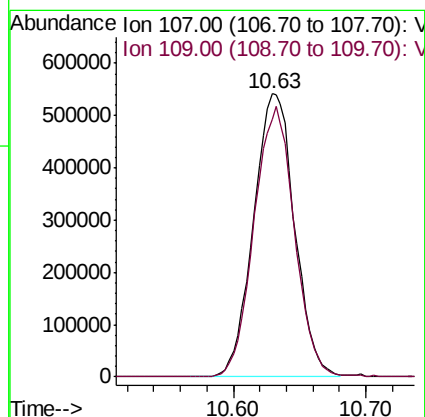
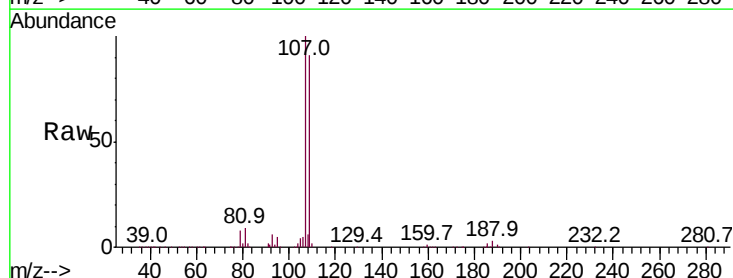
Acq: 17 Mar 2020 5:11

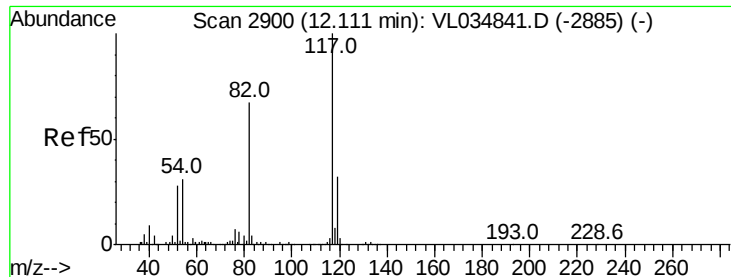
Tgt Ion: 107 Resp: 1168885

Ion Ratio Lower Upper

107 100

109 91.2 74.9 112.3

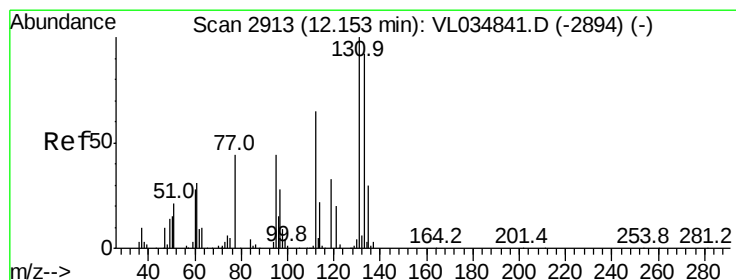
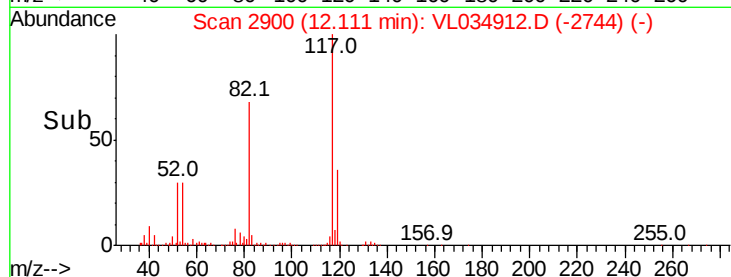
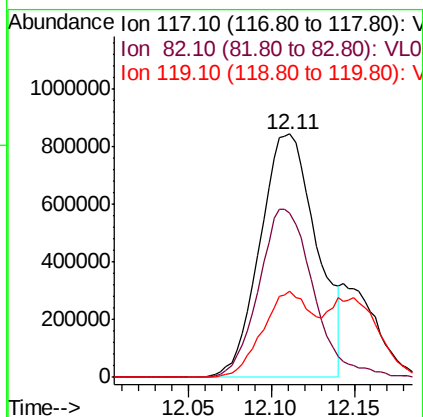
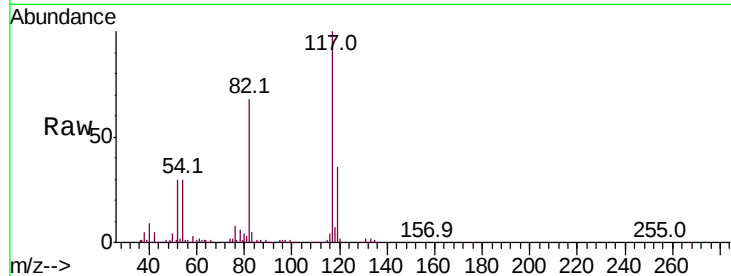




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

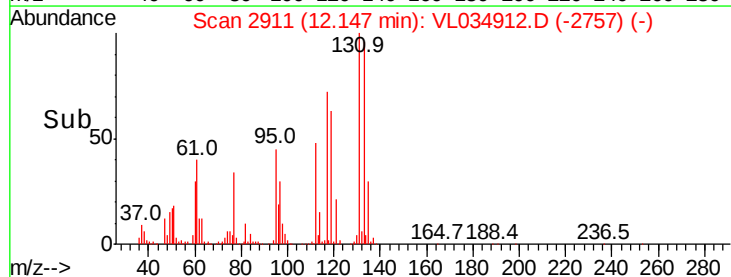
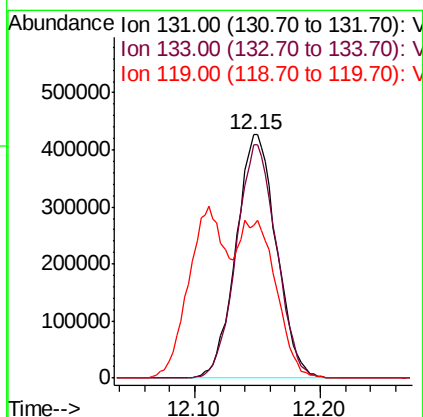
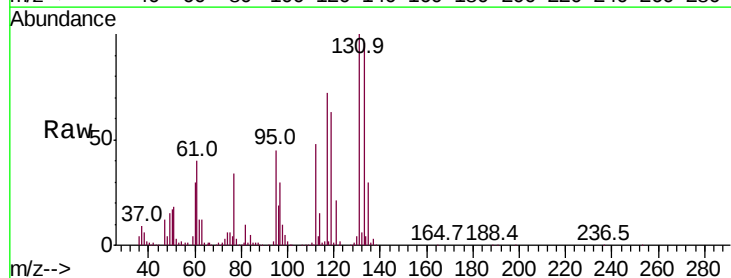
Instrument :
MSVOA_L
ClientSampleId :

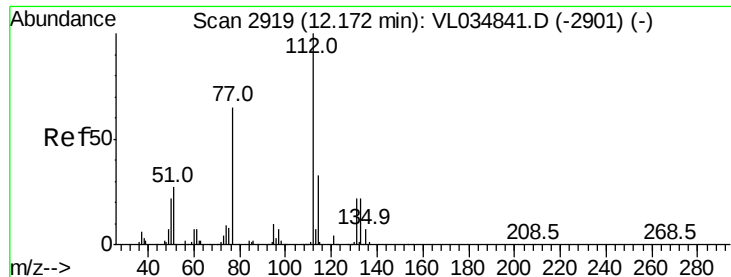
Tot Ion:117 Resp: 2011384
Ion Ratio Lower Upper
117 100
82 67.0 51.1 76.7
119 30.0 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.532 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion:131 Resp: 951629
Ion Ratio Lower Upper
131 100
133 95.8 76.0 114.0
119 68.5 47.8 71.8





#57

Chlorobenzene

Concen: 10.408 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

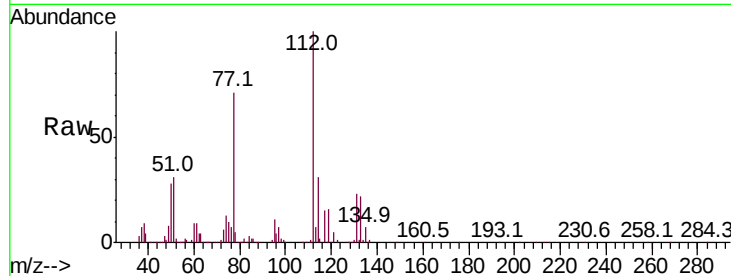
Tot Ion:112 Resp: 1637905

Ion Ratio Lower Upper

112 100

77 71.2 53.0 79.6

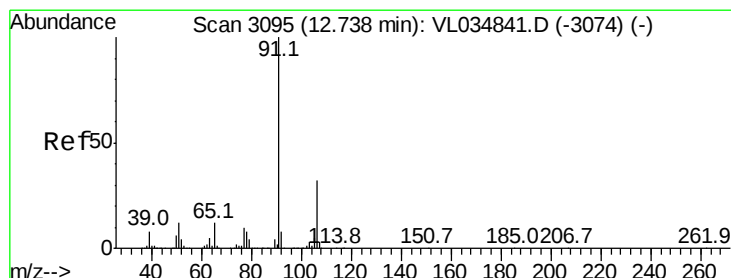
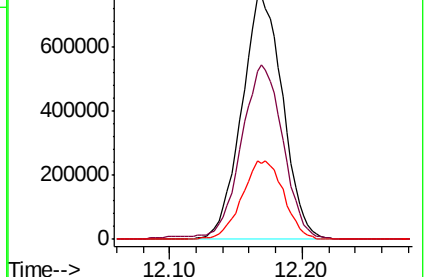
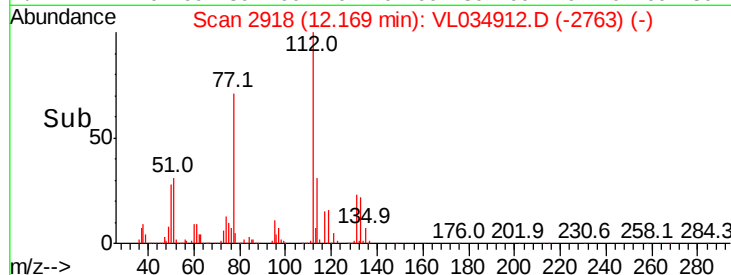
114 31.3 29.5 36.1



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: 10.855 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL034912.D

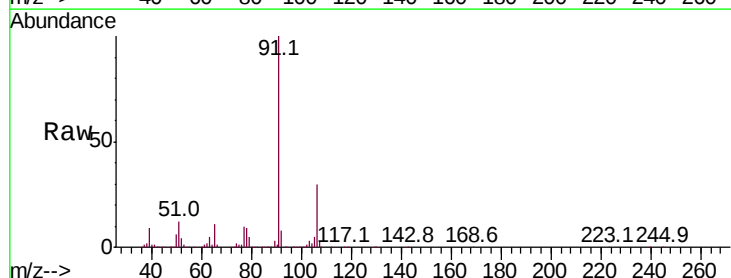
Acq: 17 Mar 2020 5:11

Tgt Ion: 91 Resp: 2956841

Ion Ratio Lower Upper

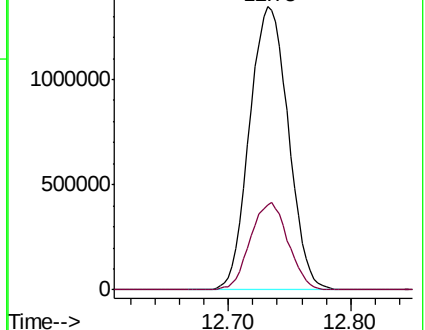
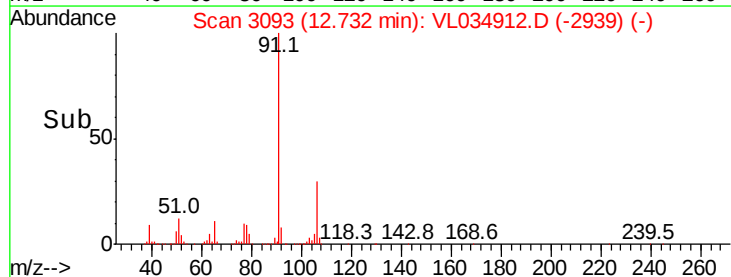
91 100

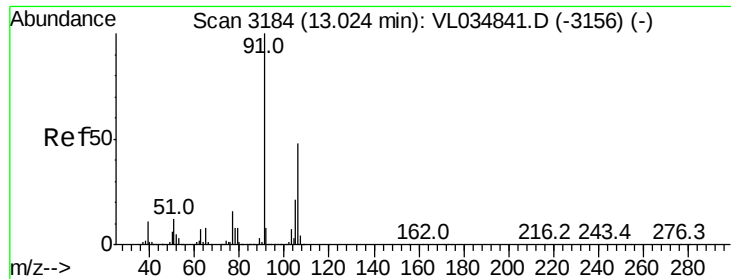
106 30.2 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.857 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

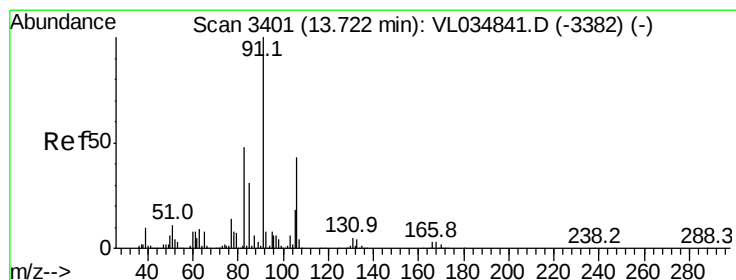
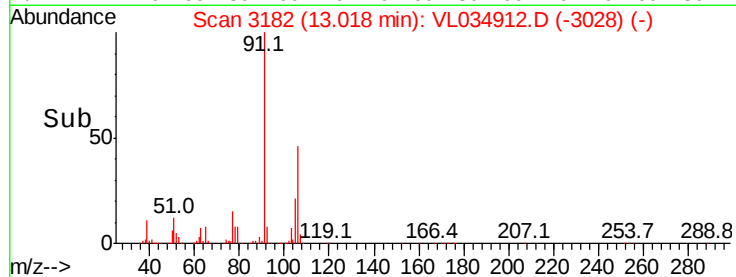
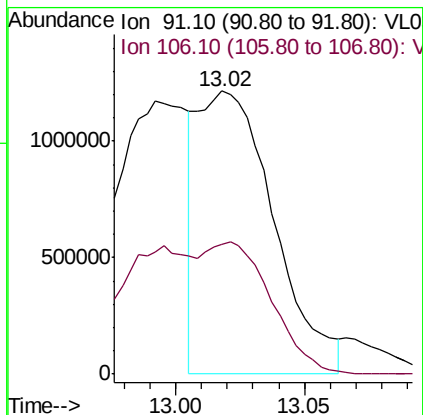
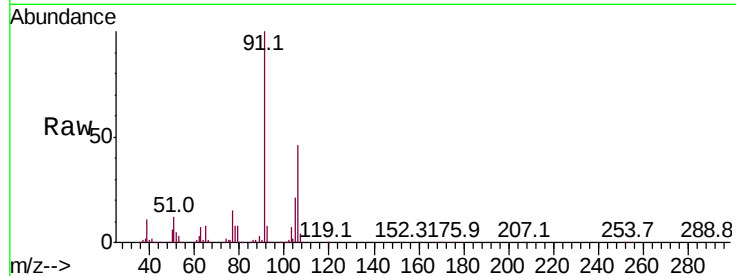
ClientSampleId :

Tot Ion: 91 Resp: 2477565

Ion Ratio Lower Upper

91 100

106 88.0 37.1 55.7#



#60

o-Xylene

Concen: 10.710 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL034912.D

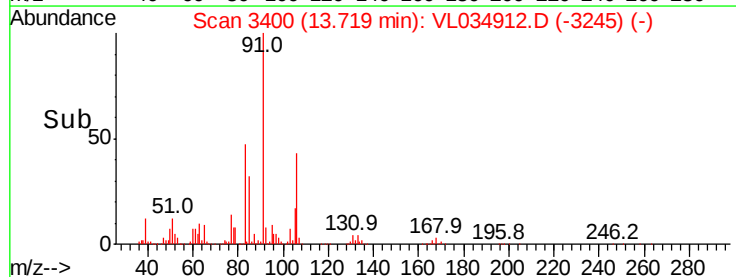
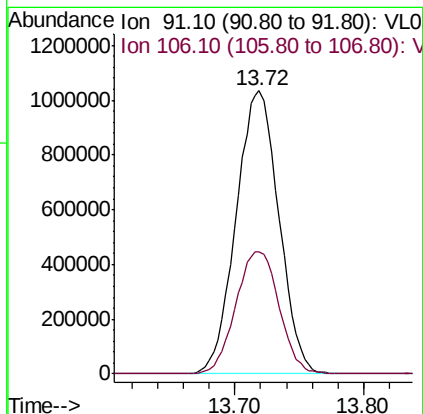
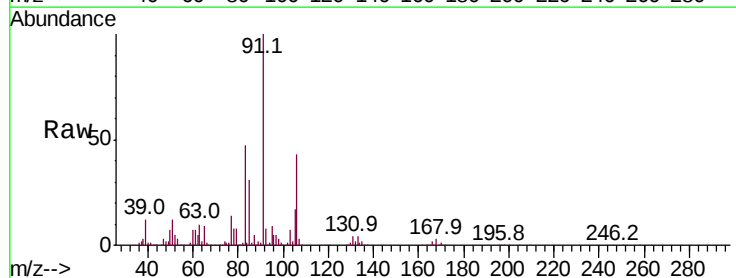
Acq: 17 Mar 2020 5:11

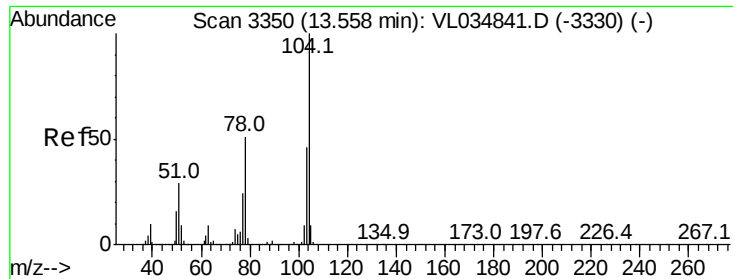
Tgt Ion: 91 Resp: 2386377

Ion Ratio Lower Upper

91 100

106 43.9 22.5 67.5

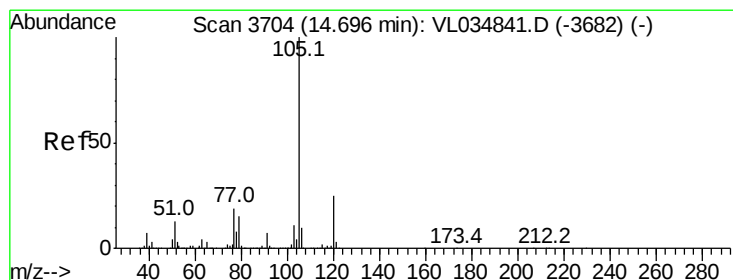
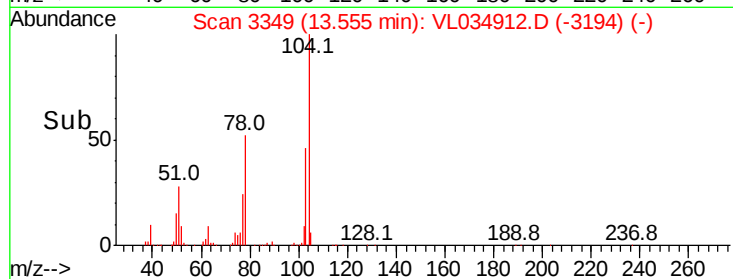
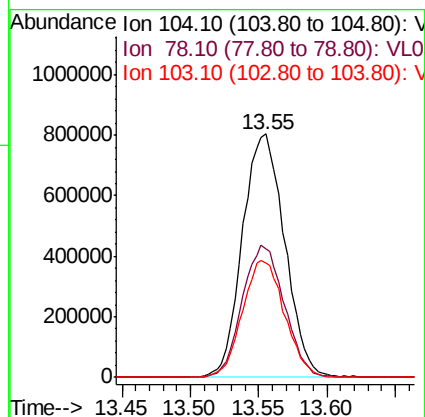
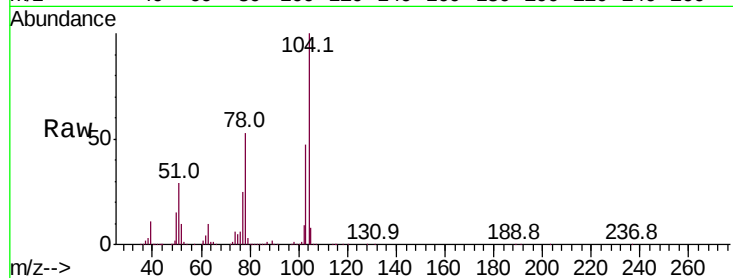




#61
Stvrene
Concen: 11.043 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

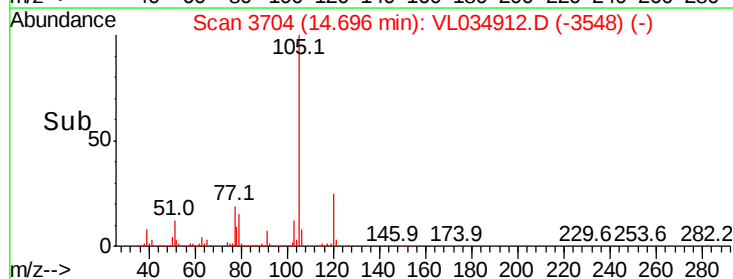
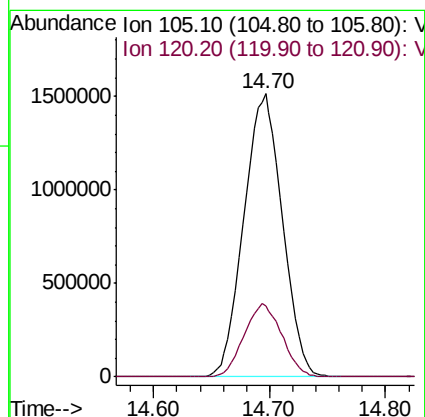
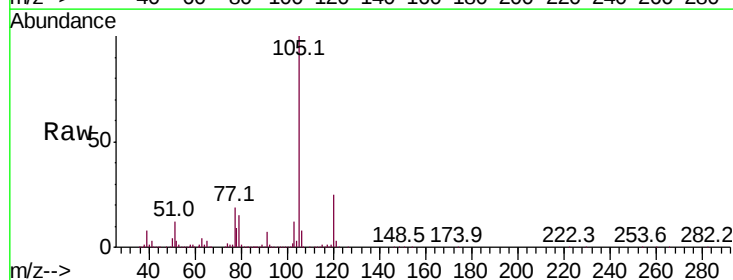
Instrument :
MSVOA_L
ClientSampleId :

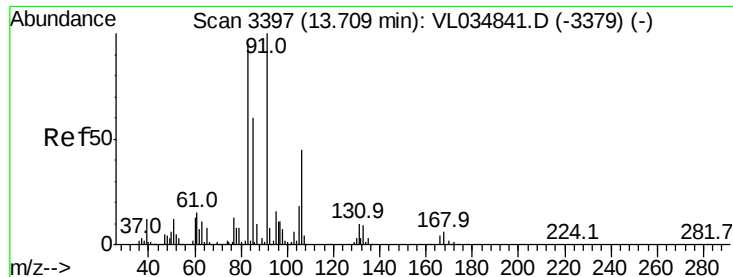
Tot Ion:104 Resp: 1726783
Ion Ratio Lower Upper
104 100
78 54.3 41.8 62.6
103 47.9 37.8 56.6



#62
Isopropylbenzene
Concen: 10.386 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion:105 Resp: 3499067
Ion Ratio Lower Upper
105 100
120 25.3 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 11.062 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampled :

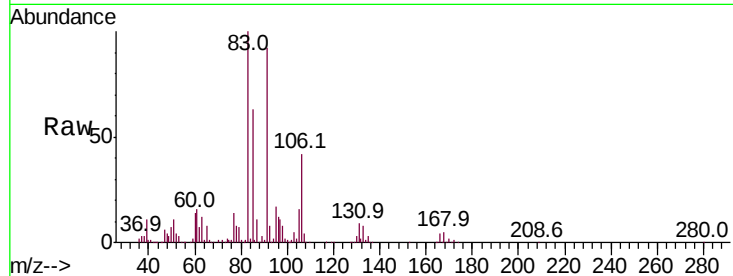
Tot Ion: 83 Resp: 1673198

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

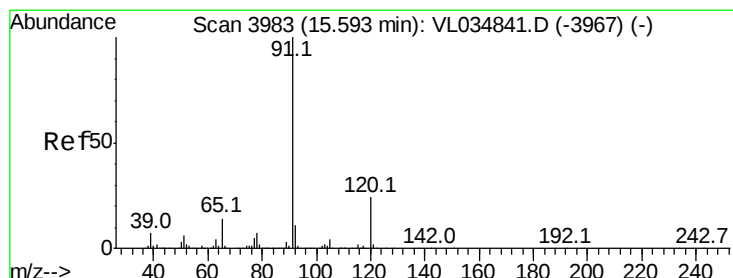
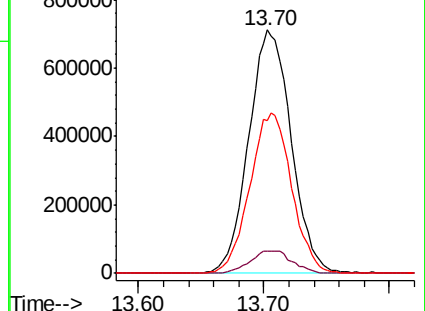
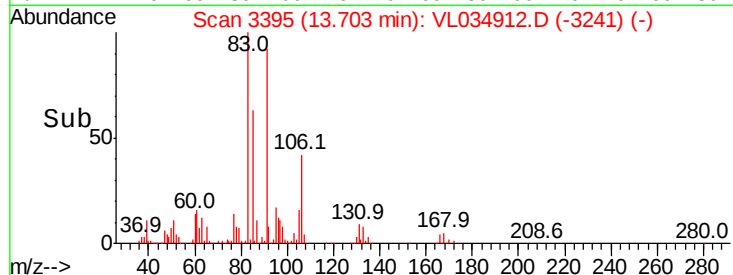
85 65.2 32.4 97.2



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: 10.463 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034912.D

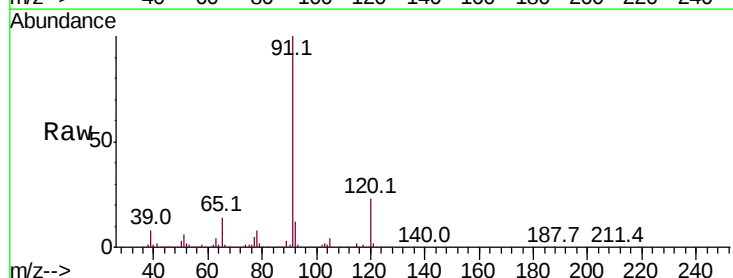
Acq: 17 Mar 2020 5:11

Tgt Ion:120 Resp: 917476

Ion Ratio Lower Upper

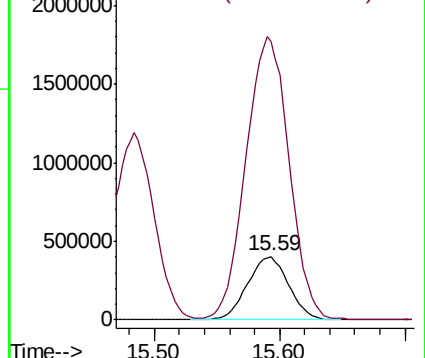
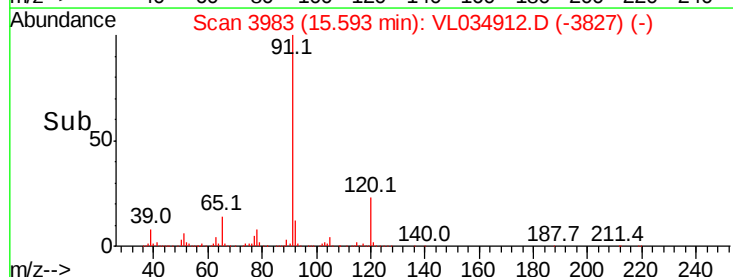
120 100

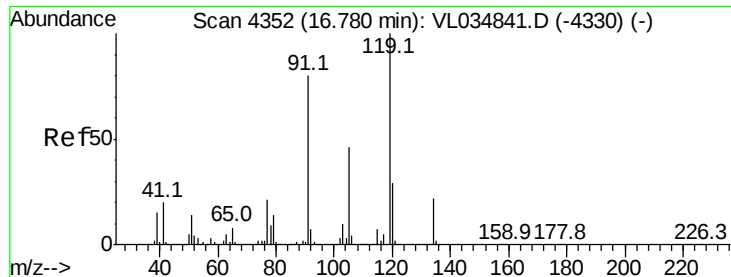
91 470.4 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

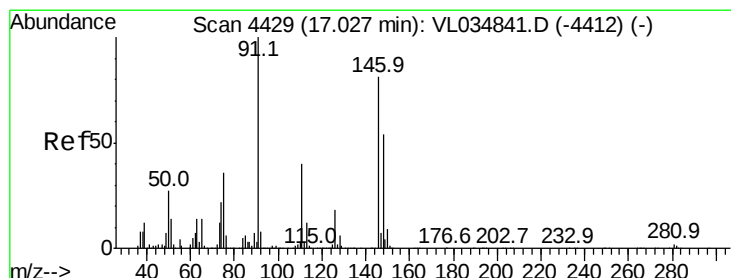
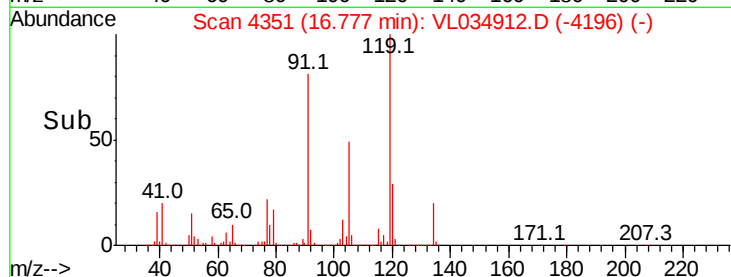
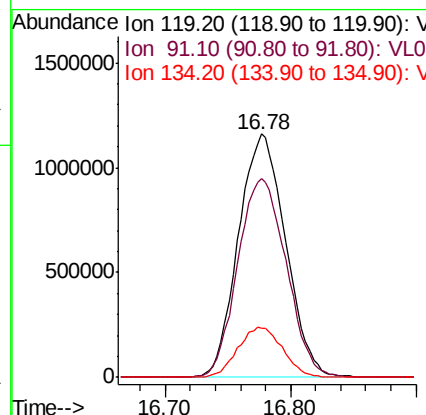
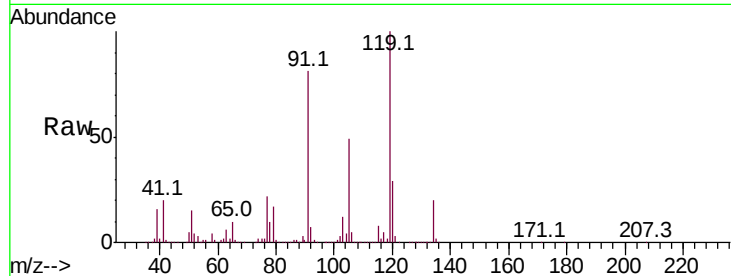




#65
 tert-Butylbenzene
 Concen: 10.286 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

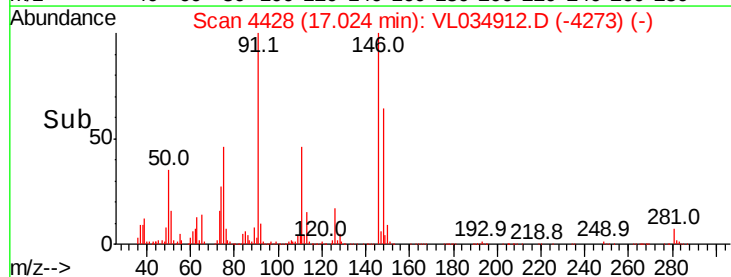
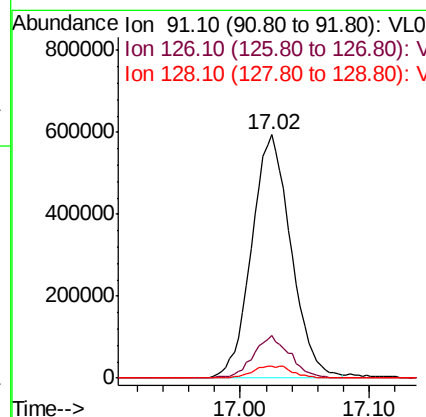
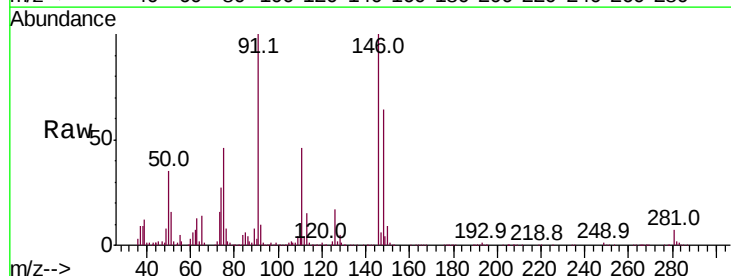
Instrument :
 MSVOA_L
 ClientSampleId :

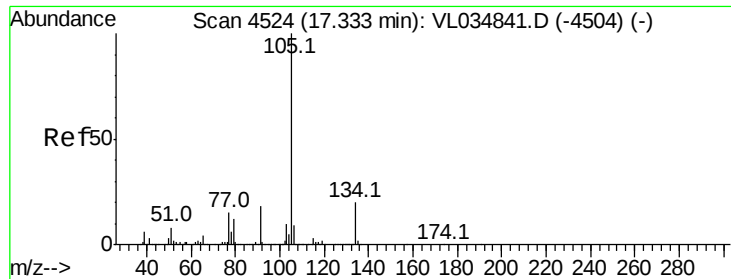
Tot Ion:119 Resp: 3029323
 Ion Ratio Lower Upper
 119 100
 91 84.2 64.9 97.3
 134 19.6 15.9 23.9



#66
 Benzyl Chloride
 Concen: 10.266 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 91 Resp: 1260769
 Ion Ratio Lower Upper
 91 100
 126 16.3 14.7 22.1
 128 5.3 4.7 7.1

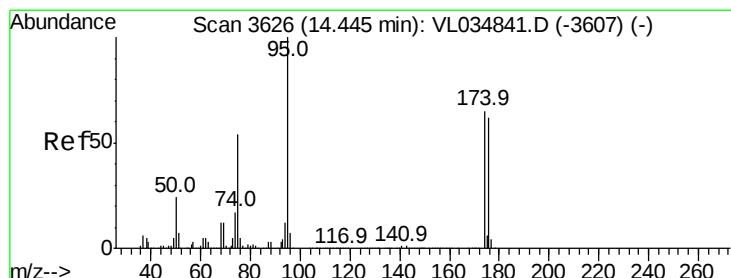
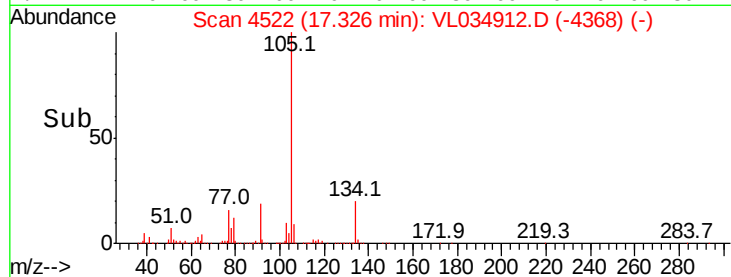
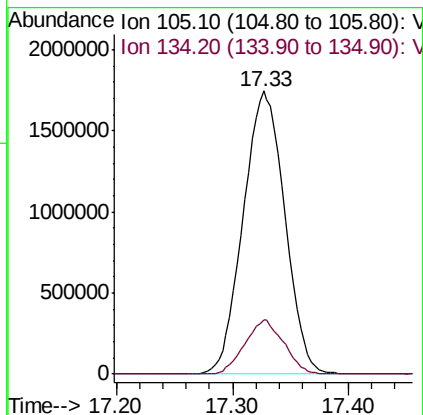
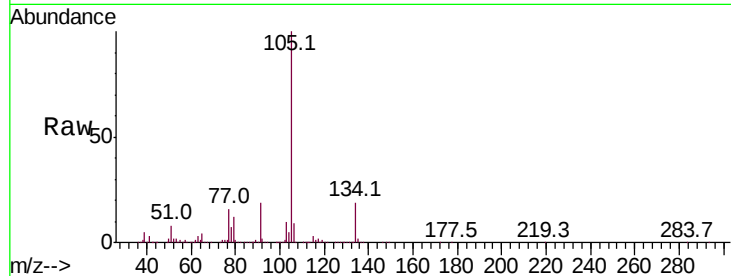




#67
 sec-Butylbenzene
 Concen: 10.667 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

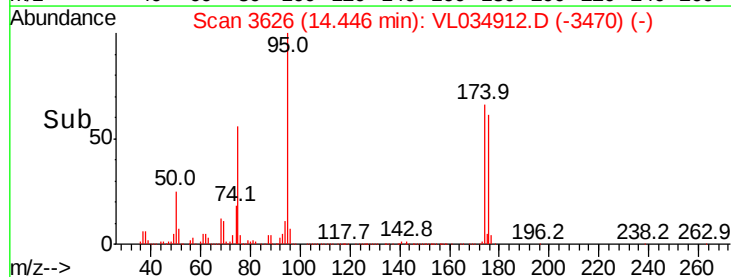
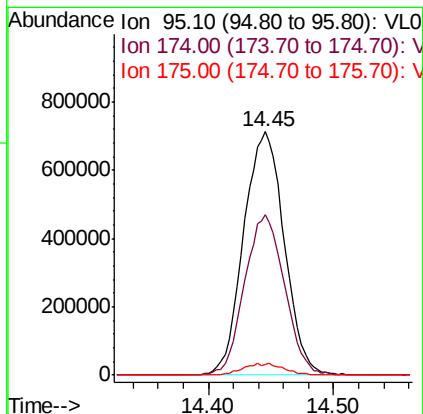
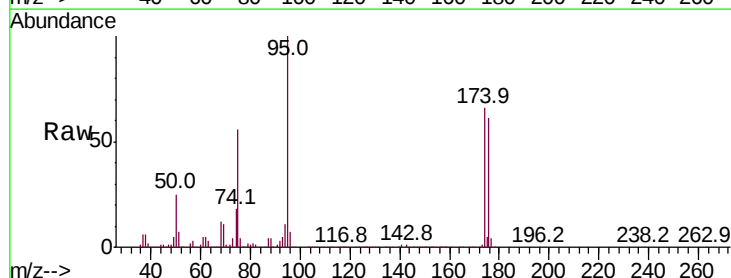
Instrument :
 MSVOA_L
 ClientSampleId :

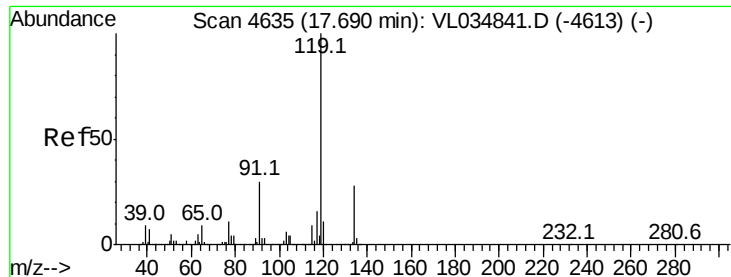
Tot Ion:105 Resp: 4356319
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.190 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 95 Resp: 1598385
 Ion Ratio Lower Upper
 95 100
 174 65.2 55.2 82.8
 175 4.8 4.3 6.5



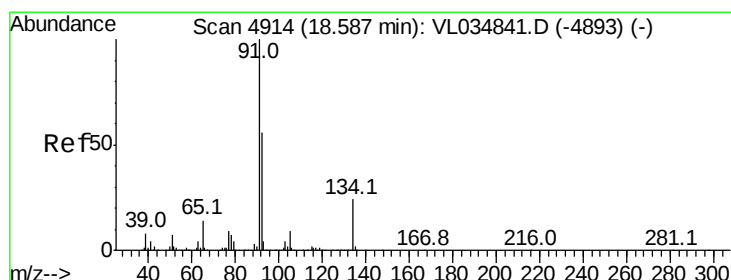
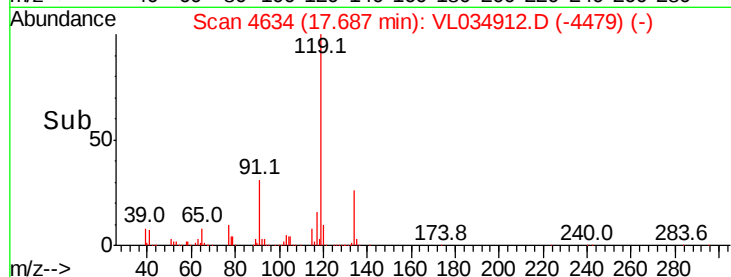
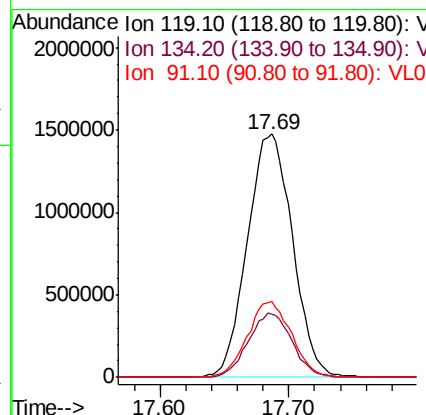
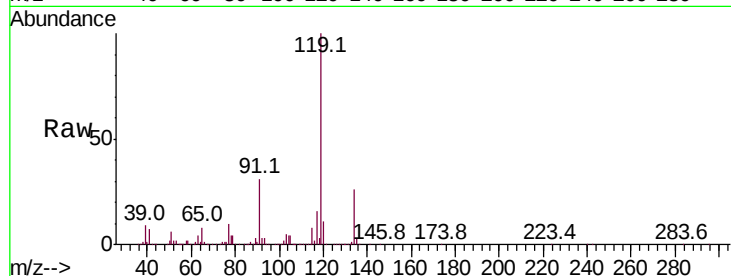


#69
 p-Isopropyltoluene
 Concen: 10.486 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3590670

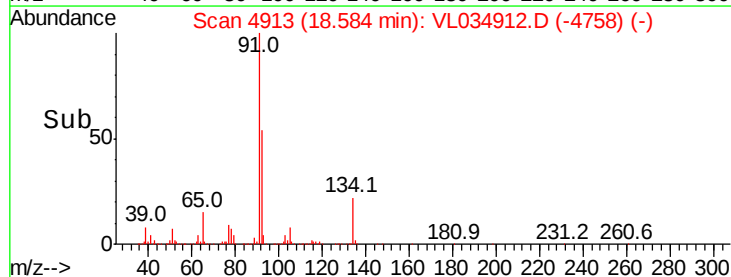
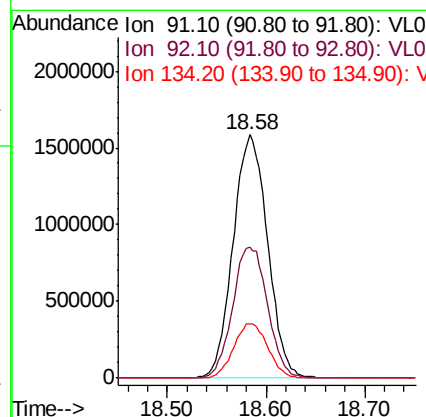
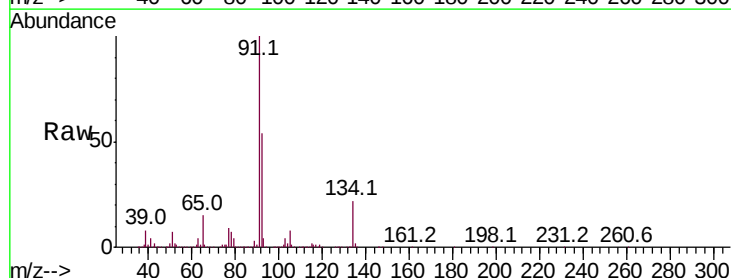
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	30.6	23.4	35.2

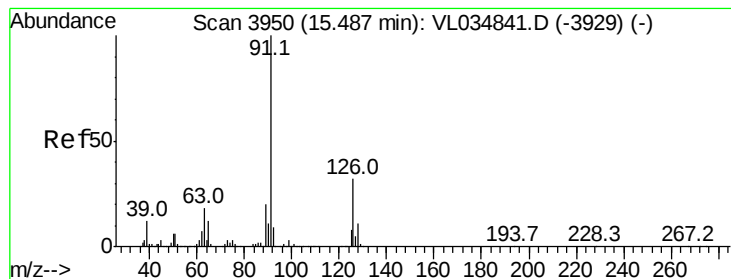


#70
 n-Butylbenzene
 Concen: 11.031 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 91 Resp: 3853942

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 10.483 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

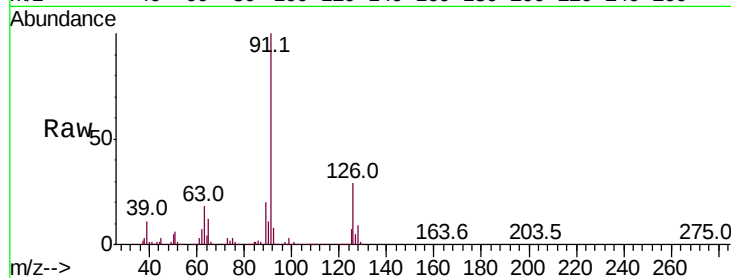
ClientSampled :

Tot Ion: 91 Resp: 2674552

Ion Ratio Lower Upper

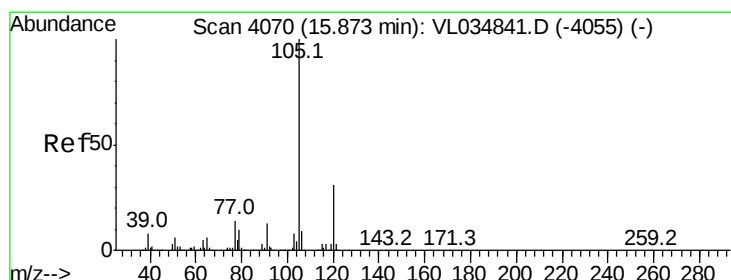
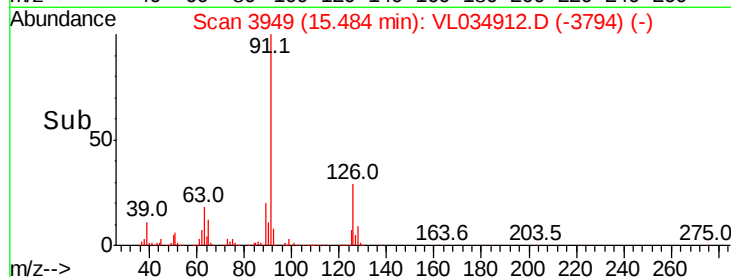
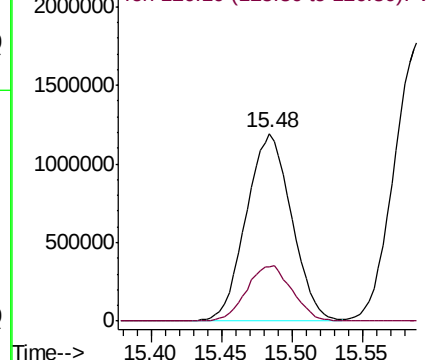
91 100

126 29.8 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.769 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:105 Resp: 2833749

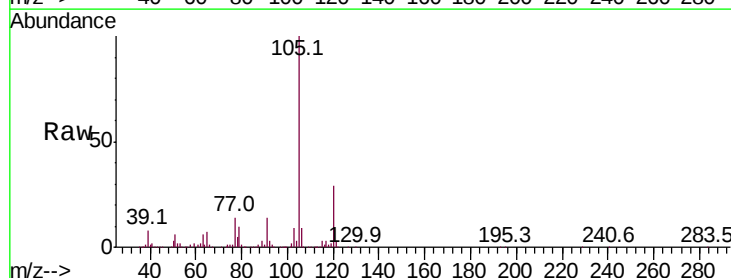
Ion Ratio Lower Upper

105 100

120 28.8 23.7 35.5

91 13.8 10.5 15.7

77 14.2 11.1 16.7

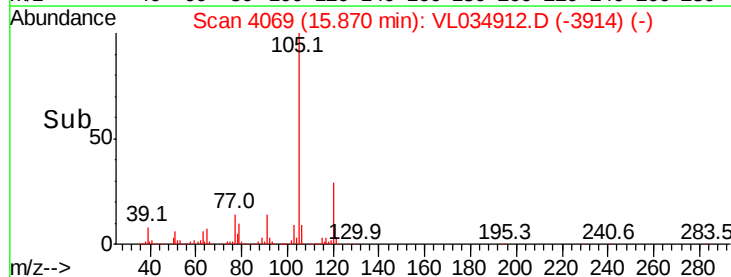
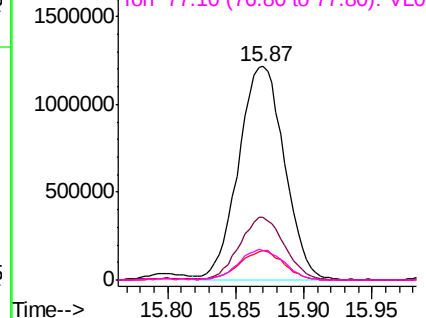


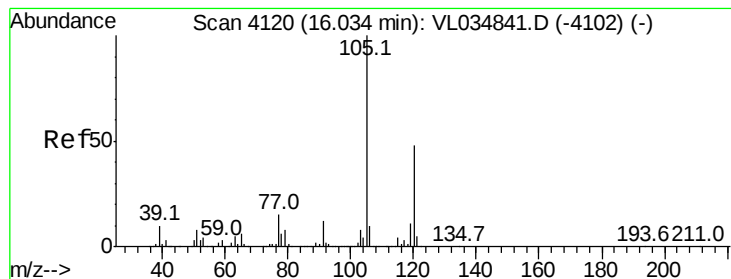
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.854 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.01 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

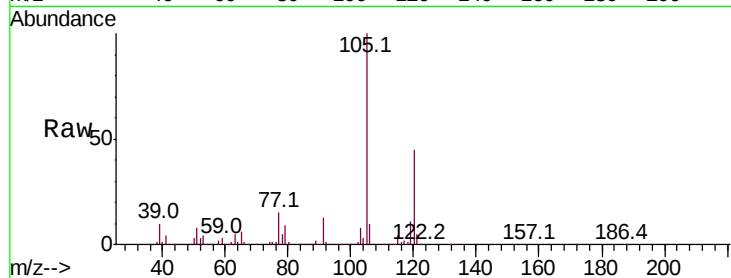
ClientSampleId :

Tot Ion:105 Resp: 2673624

Ion Ratio Lower Upper

105 100

120 45.0 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

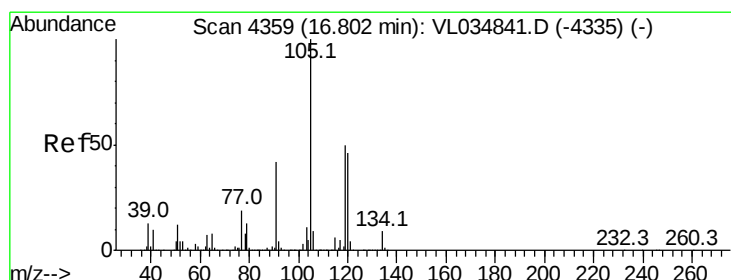
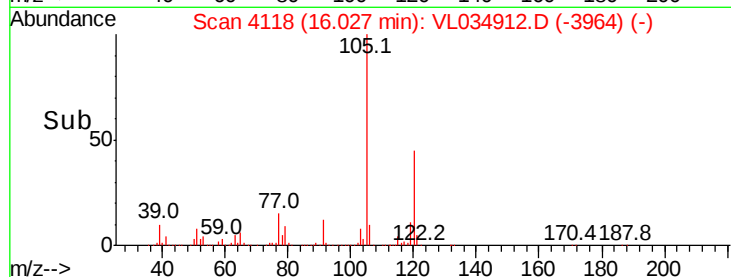
16.03

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.952 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:105 Resp: 2779312

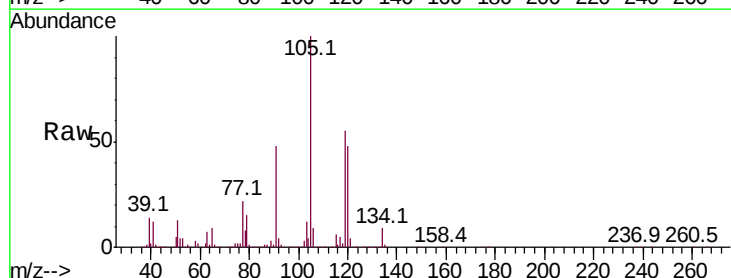
Ion Ratio Lower Upper

105 100

120 47.9 37.0 55.4

91 48.0 33.8 50.6

77 22.0 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.80

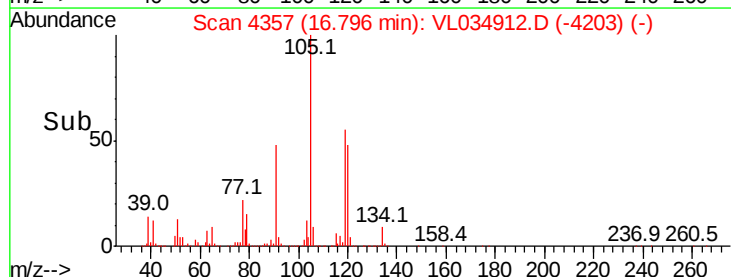
1500000

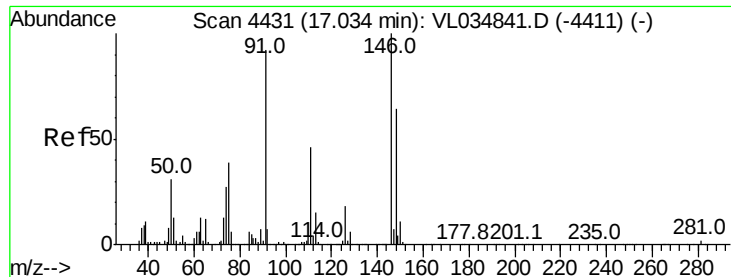
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 10.394 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

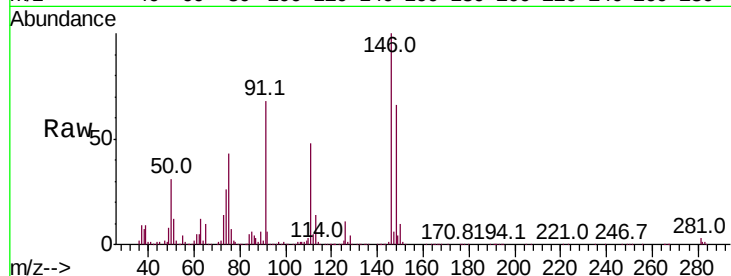
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1590505

Ion	Ratio	Lower	Upper
146	100		
111	48.7	23.9	71.7
148	64.6	32.5	97.5

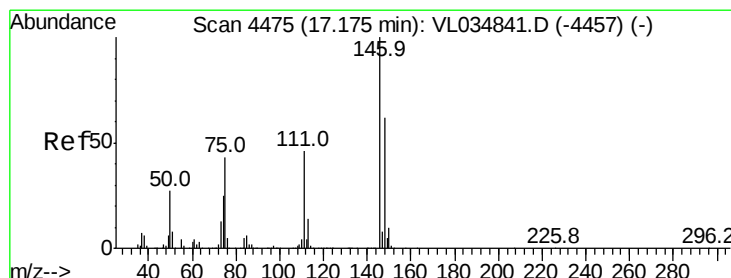
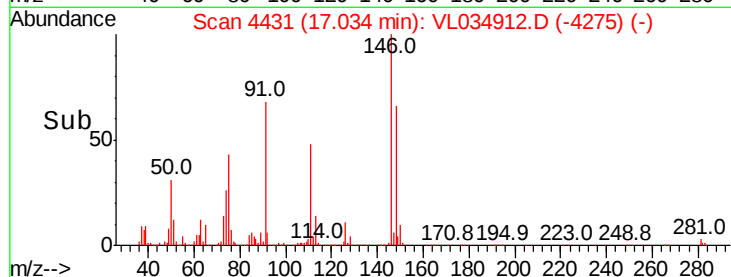
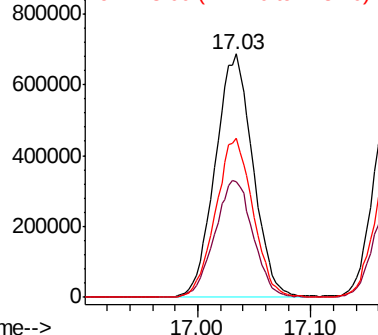


Abundance

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: 10.309 ppbv

RT: 17.18 min Scan# 4475

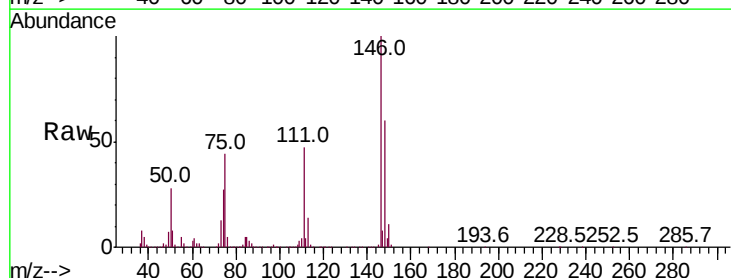
Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:146 Resp: 1574195

Ion	Ratio	Lower	Upper
146	100		
111	48.3	23.4	70.2
148	65.8	32.3	96.9

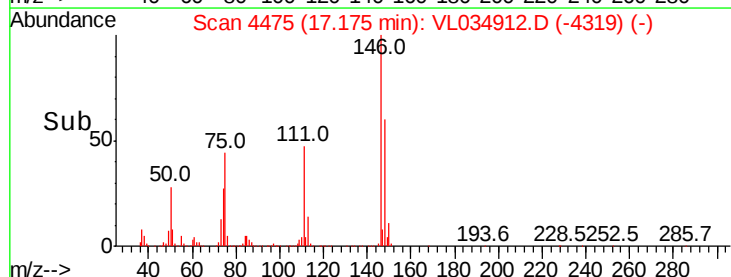
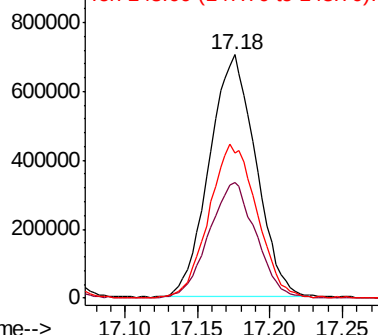


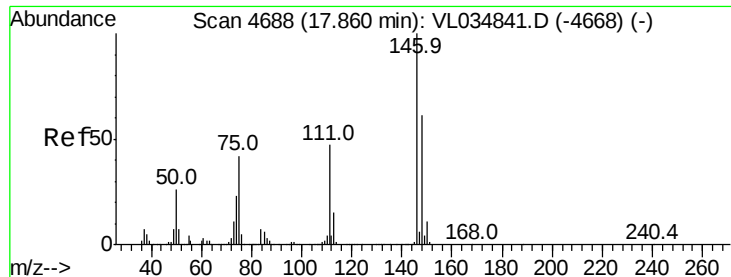
Abundance

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: 10.545 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampled :

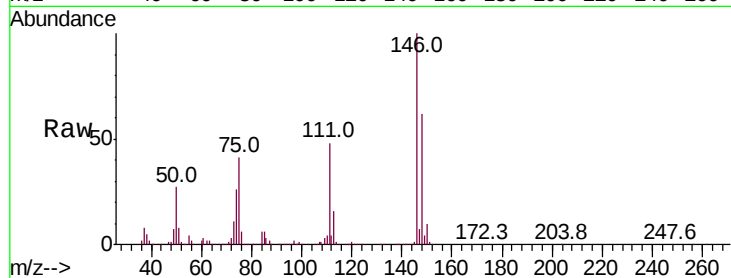
Tot Ion:146 Resp: 1564150

Ion Ratio Lower Upper

146 100

111 49.5 23.8 71.4

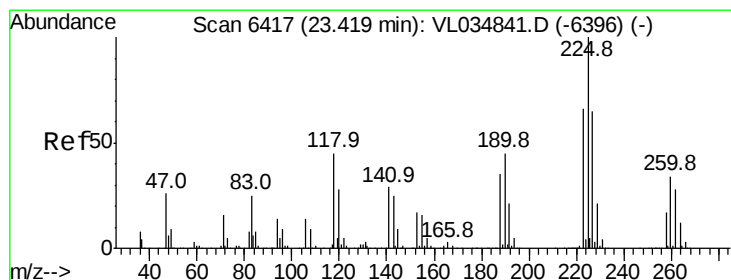
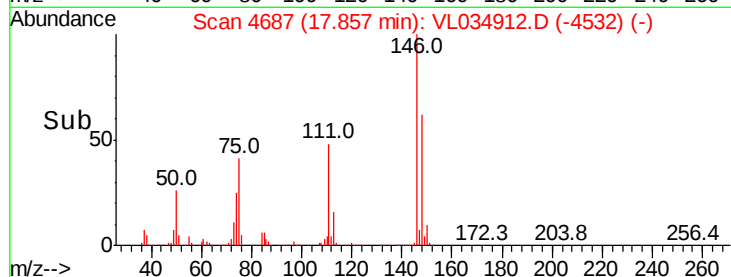
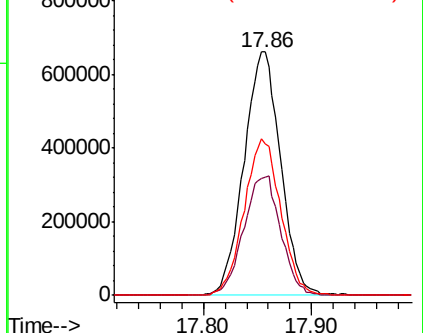
148 64.2 31.6 94.8



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: 10.791 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

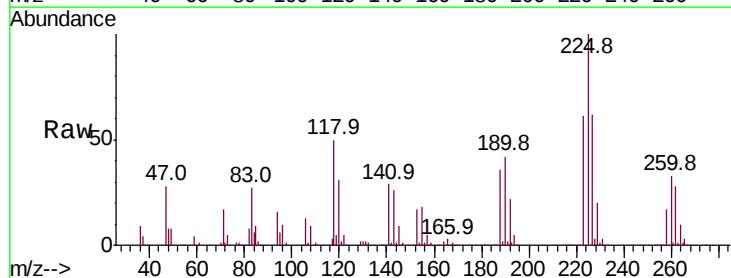
Tgt Ion:225 Resp: 1336809

Ion Ratio Lower Upper

225 100

223 64.1 51.1 76.7

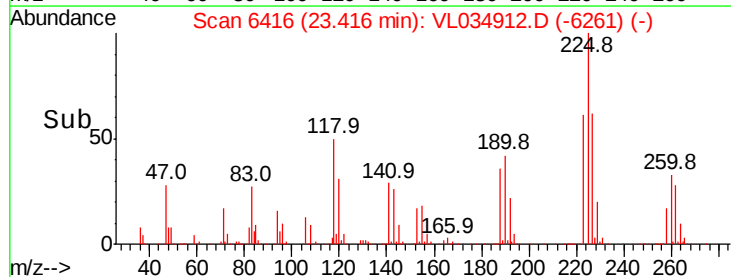
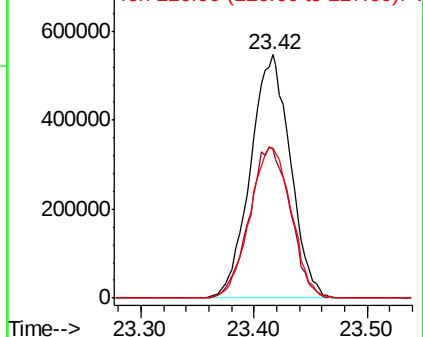
227 64.3 51.8 77.6

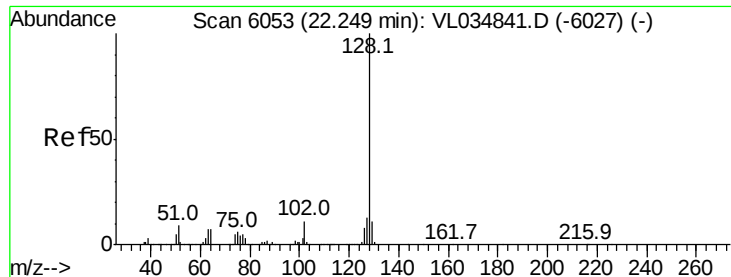


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.637 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

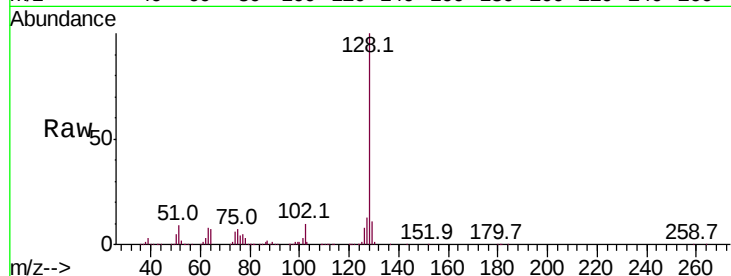
Tot Ion:128 Resp: 2698976

Ion Ratio Lower Upper

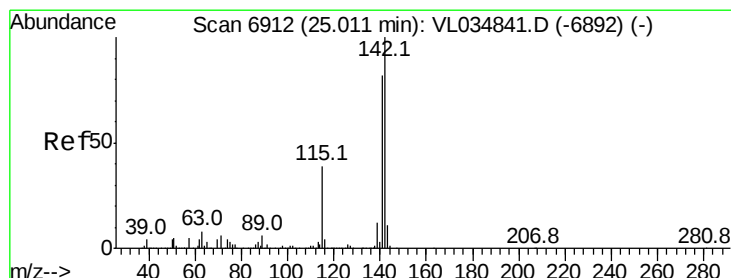
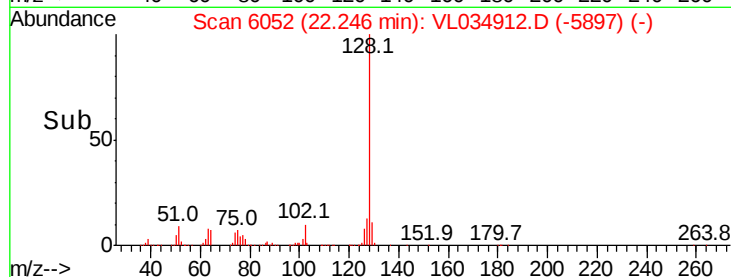
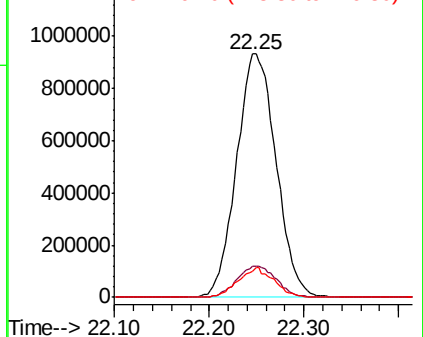
128 100

127 12.6 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: 18.623 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

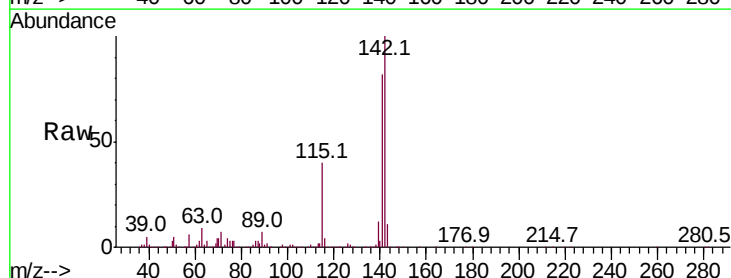
Tgt Ion:142 Resp: 963164

Ion Ratio Lower Upper

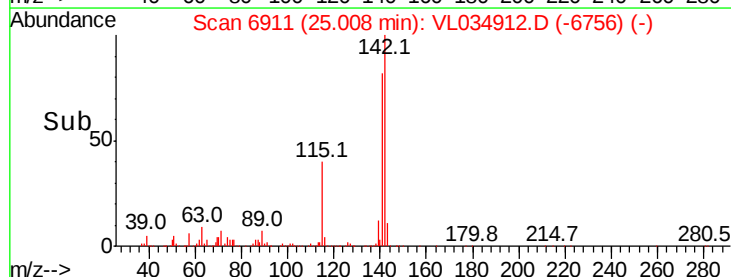
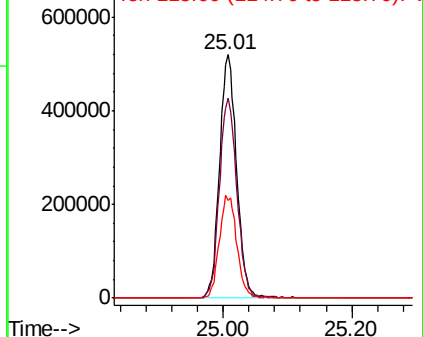
142 100

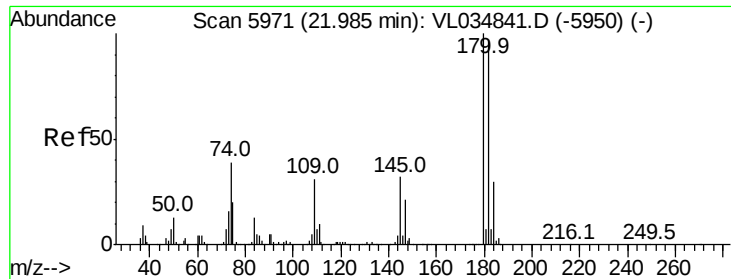
141 84.5 68.9 103.3

115 43.0 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

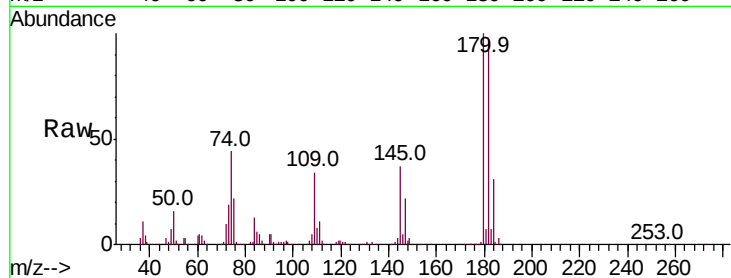




#81
 1,2,4-Trichlorobenzene
 Concen: 12.163 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1529289
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.6 115.0
 184 31.5 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

