

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092018\
 Data File : VL032512.D
 Acq On : 20 Sep 2018 18:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 21 02:23:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1530542	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3556275	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	4442121	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2752289	8.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.10	85	1221557	6.239	ppbv	100
3) Chlorodifluoromethane	3.03	51	1179967	8.517	ppbv	97
4) Chloromethane	3.19	50	703736	8.389	ppbv	99
5) Vinyl Chloride	3.31	62	666090	8.044	ppbv	98
6) Bromomethane	3.54	94	399187	9.184	ppbv	99
7) Chloroethane	3.62	64	251755	8.784	ppbv	100
8) Dichlorotetrafluoroethane	3.24	85	1401246	8.064	ppbv	98
9) Propene	3.06	41	640127	11.454	ppbv	99
10) Heptane	8.28	43	2137373	10.660	ppbv	99
11) Trichlorofluoromethane	4.03	101	1418254	8.034	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1234132	10.317	ppbv	99
13) Ethanol	3.67	45	151371	8.689	ppbv	98
14) Bromoethene	3.81	108	481636	9.503	ppbv	99
15) Acetone	3.93	43	1256389	9.116	ppbv	99
16) 1,3-Butadiene	3.38	39	523826	8.077	ppbv	97
17) tert-Butyl alcohol	4.38	59	207234	9.770	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	614342	11.237	ppbv	97
19) Isopropyl Alcohol	4.05	45	904890	10.008	ppbv #	97
20) Methylene Chloride	4.44	84	546917	10.407	ppbv	99
21) Allyl Chloride	4.51	41	1067846	11.665	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	575395	9.700	ppbv	98
23) Vinyl Acetate	5.18	43	2661128	11.648	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1833400	9.739	ppbv	99
25) Ethyl Acetate	5.80	43	3243729	9.966	ppbv	100
26) Hexane	5.81	57	1485782	10.195	ppbv	98
27) Carbon Disulfide	4.65	76	1558439	11.584	ppbv	100
28) Methyl tert-Butyl Ether	5.14	73	2076966	11.607	ppbv	99
29) Chloroform	5.88	83	2123809	9.558	ppbv	98
30) Cyclohexane	7.28	84	1305470	12.233	ppbv	100
31) cis-1,2-Dichloroethene	5.67	61	1453917	11.017	ppbv	98
32) 1,1,1-Trichloroethane	6.66	97	2198292	10.613	ppbv	97
34) 2-Butanone	5.36	43	2162770	9.156	ppbv	99
35) Carbon Tetrachloride	7.17	117	2159752	9.036	ppbv	99
36) Benzene	7.04	78	3021802	9.985	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1701178	9.173	ppbv	99
38) Trichloroethene	8.00	130	1071401	9.319	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1304165	10.072	ppbv	96
40) 1,4-Dioxane	7.99	88	430318	11.077	ppbv #	1
41) Tetrahydrofuran	6.18	42	1382531	10.751	ppbv	99
42) Bromodichloromethane	7.96	83	2473151	9.668	ppbv	99
43) Methyl Methacrylate	8.17	69	1322377	10.299	ppbv	98

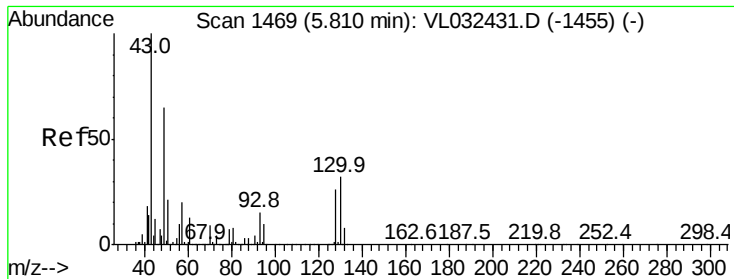
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 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	5568411	9.517	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1803724	13.129	ppbv	98
46) cis-1,3-Dichloropropene	8.88	75	2023786	11.528	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1354751	9.841	ppbv	99
48) Dibromochloromethane	10.49	129	2189958	11.486	ppbv	100
49) Bromoform	13.25	173	1646145	9.933	ppbv	99
50) 4-Methyl-2-Pentanone	8.90	43	3442010	9.673	ppbv	99
51) 2-Hexanone	10.31	43	3031295	13.225	ppbv #	99
52) Tetrachloroethene	11.41	164	959637	10.226	ppbv	96
53) Toluene	9.98	91	3860409	12.203	ppbv	99
54) 1,2-Dibromoethane	10.80	107	2016588	10.910	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.32	131	1452459	7.253	ppbv #	60
57) Chlorobenzene	12.34	112	2595130	7.310	ppbv	98
58) Ethyl Benzene	12.90	91	4827528	9.081	ppbv	99
59) m/p-Xylene	13.19	91	4070515	8.589	ppbv #	37
60) o-Xylene	13.89	91	3764832	8.087	ppbv	100
61) Styrene	13.72	104	2845173	9.440	ppbv	99
62) Isopropylbenzene	14.87	105	5347442	8.171	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.88	83	2795980	6.717	ppbv	100
64) n-propylbenzene	15.76	120	1363653	7.971	ppbv	97
65) tert-Butylbenzene	16.95	119	4404225	7.810	ppbv	100
66) Benzyl Chloride	17.19	91	2678275	8.525	ppbv	100
67) sec-Butylbenzene	17.50	105	6498771	7.663	ppbv	100
69) p-Isopropyltoluene	17.86	119	5150288	7.836	ppbv	100
70) n-Butylbenzene	18.75	91	5587805	7.500	ppbv	99
71) 2-Chlorotoluene	15.66	91	4181525	8.364	ppbv	99
72) 4-Ethyltoluene	16.04	105	4311167	8.482	ppbv	100
73) 1,3,5-Trimethylbenzene	16.20	105	4095785	8.043	ppbv	95
74) 1,2,4-Trimethylbenzene	16.97	105	4065751	7.303	ppbv	99
75) 1,3-Dichlorobenzene	17.21	146	2243575	6.792	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2220005	7.243	ppbv	99
77) 1,2-Dichlorobenzene	18.03	146	2209937	6.934	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	1278073	10.733	ppbv	100
79) Naphthalene	22.45	128	3439607	7.598	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1151697	9.561	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	862270	3.782	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :

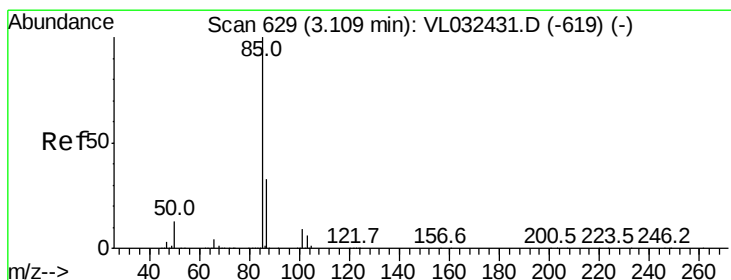
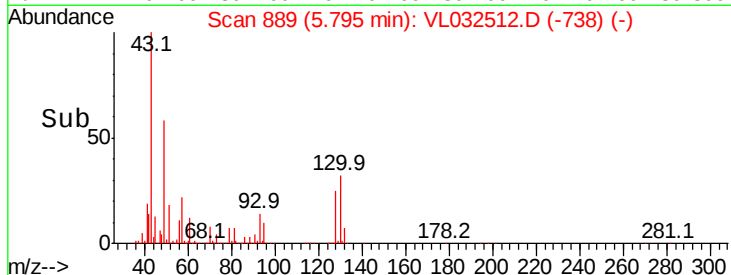
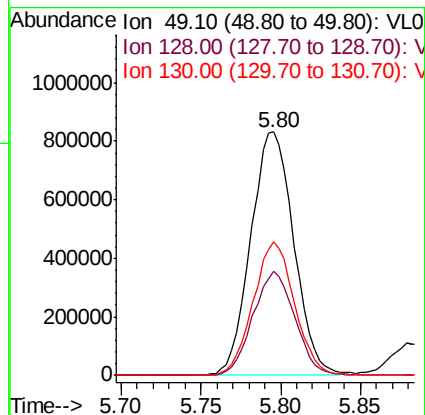
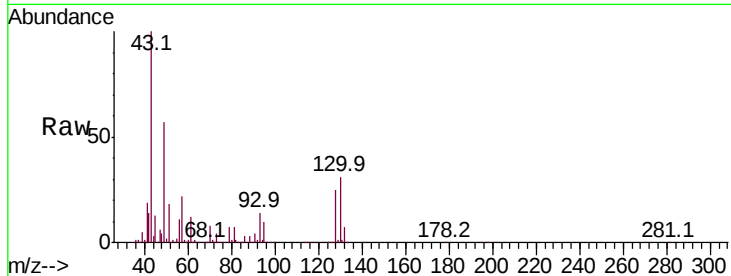
Tot Ion: 49 Resp: 1530542

Ion	Ratio	Lower	Upper
49	100		
128	41.6	20.7	62.1
130	53.0	26.6	79.7

49 100

128 41.6 20.7 62.1

130 53.0 26.6 79.7



#2

Dichlorodifluoromethane

Concen: 6.239 ppbv

RT: 3.10 min Scan# 50

Delta R.T. -0.01 min

Lab File: VL032512.D

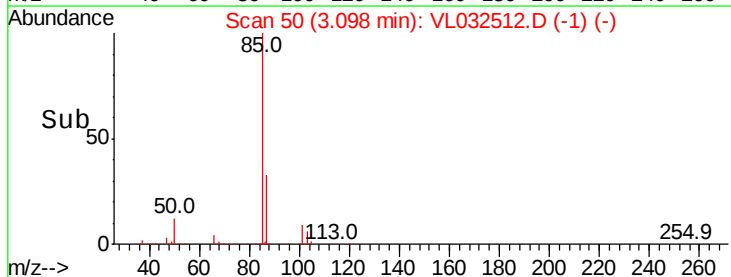
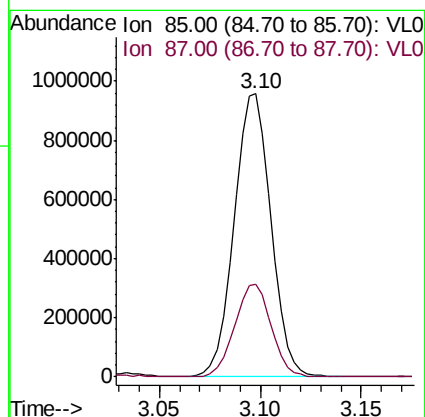
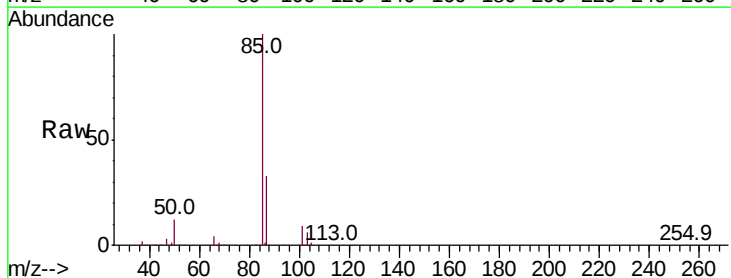
Acq: 20 Sep 2018 18:22

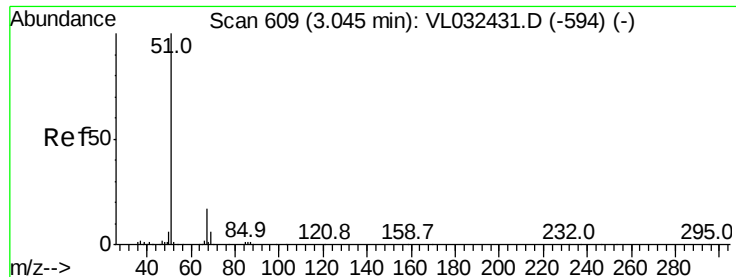
Tgt Ion: 85 Resp: 1221557

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.2	39.4

85 100

87 32.9 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.517 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

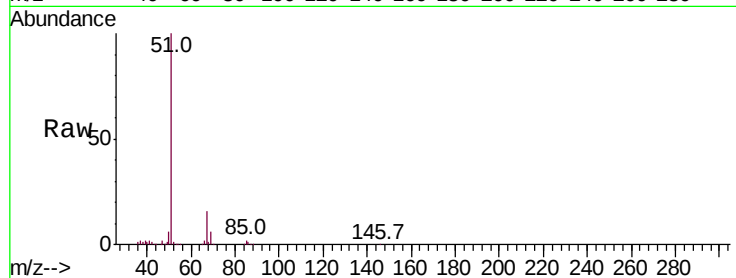
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1179967

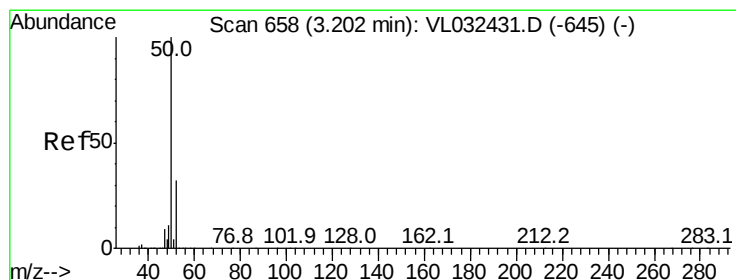
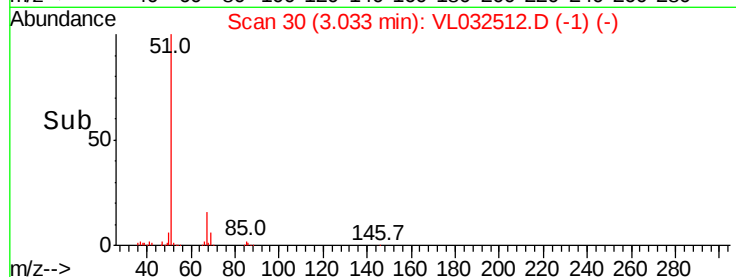
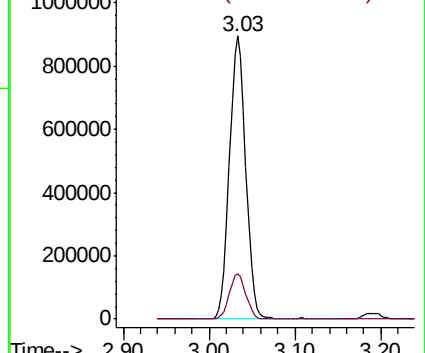
Ion Ratio Lower Upper

51 100

67 16.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.389 ppbv

RT: 3.19 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL032512.D

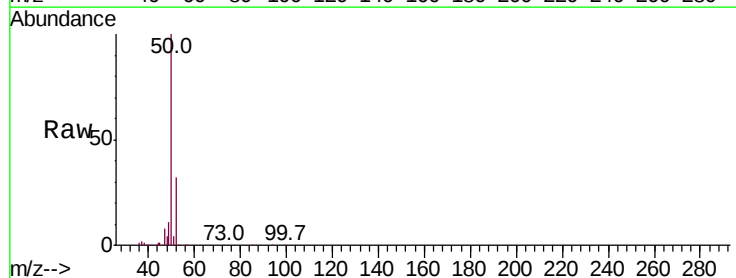
Acq: 20 Sep 2018 18:22

Tgt Ion: 50 Resp: 703736

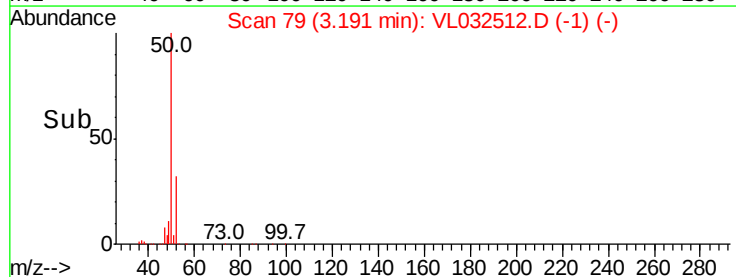
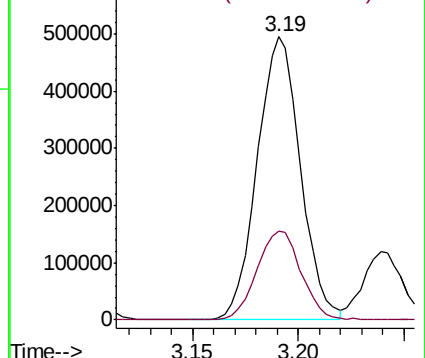
Ion Ratio Lower Upper

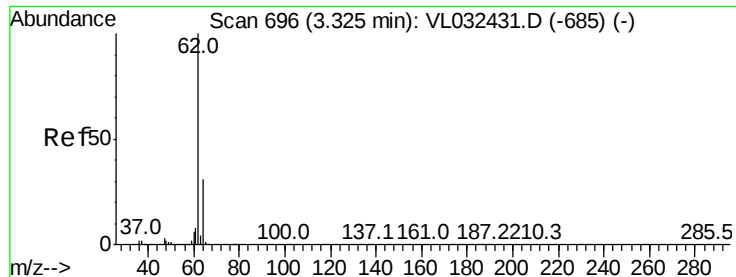
50 100

52 31.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.044 ppbv

RT: 3.31 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

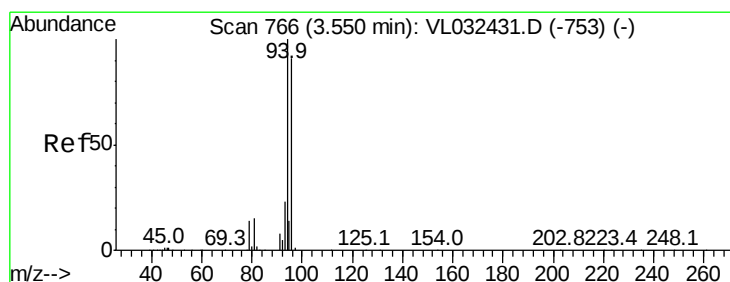
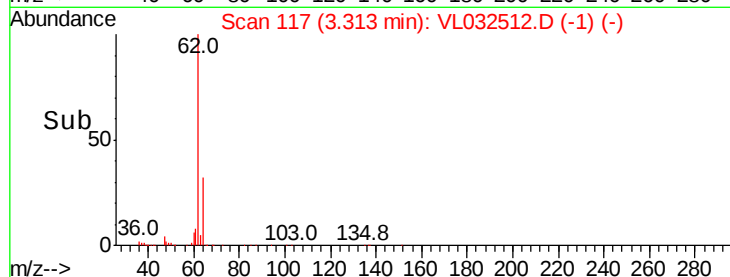
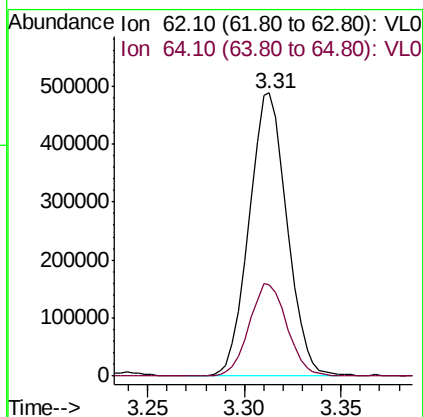
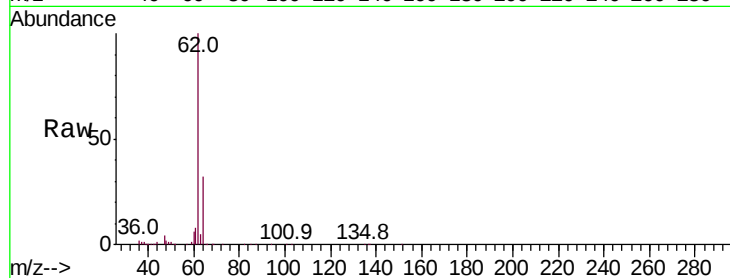
ClientSampleId :

Tot Ion: 62 Resp: 666090

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.6



#6

Bromomethane

Concen: 9.184 ppbv

RT: 3.54 min Scan# 187

Delta R.T. -0.01 min

Lab File: VL032512.D

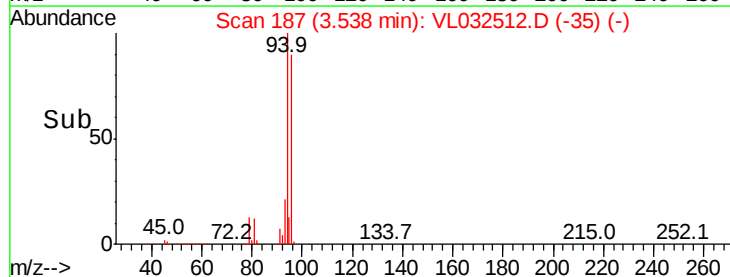
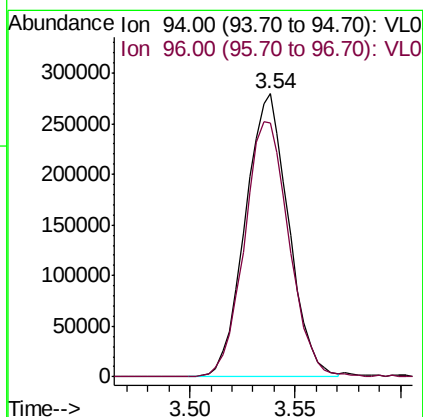
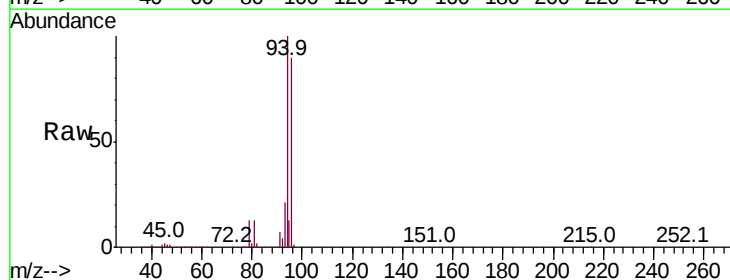
Acq: 20 Sep 2018 18:22

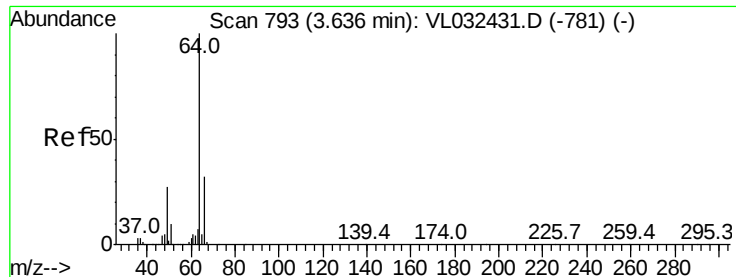
Tgt Ion: 94 Resp: 399187

Ion Ratio Lower Upper

94 100

96 89.7 72.8 109.2





#7

Chloroethane

Concen: 8.784 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

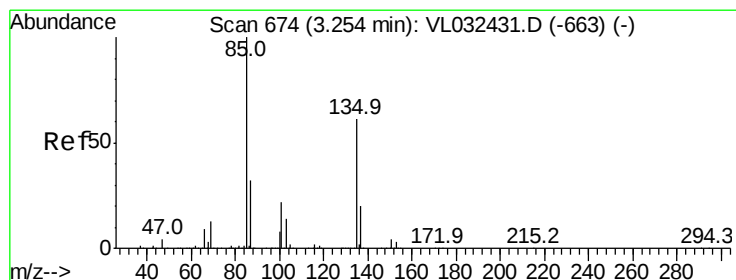
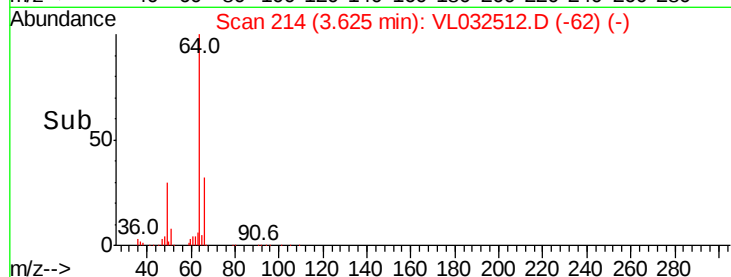
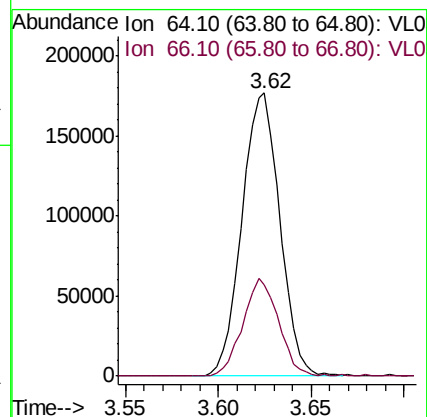
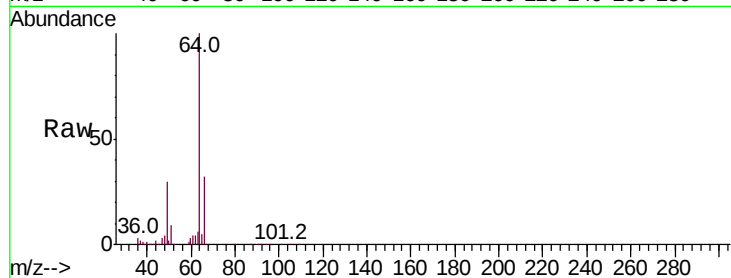
ClientSampled :

Tot Ion: 64 Resp: 251755

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 8.064 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032512.D

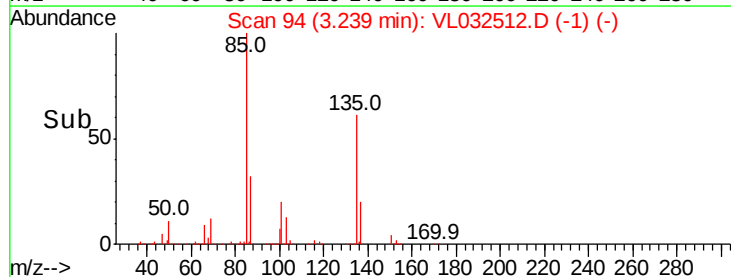
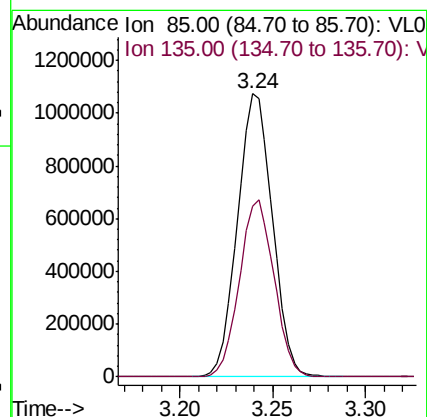
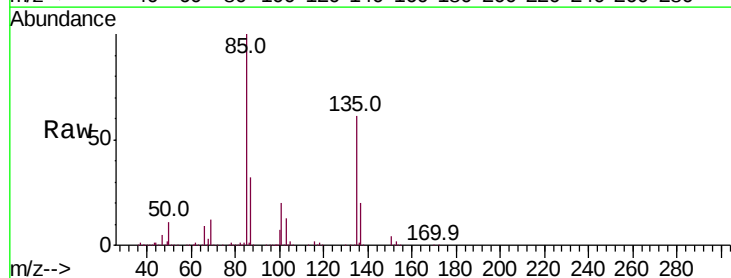
Acq: 20 Sep 2018 18:22

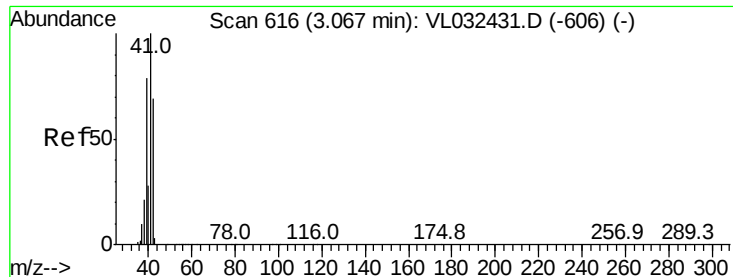
Tgt Ion: 85 Resp: 1401246

Ion Ratio Lower Upper

85 100

135 62.2 48.6 72.8





#9

Propene

Concen: 11.454 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

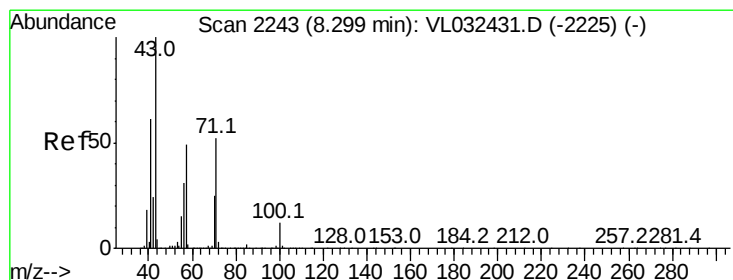
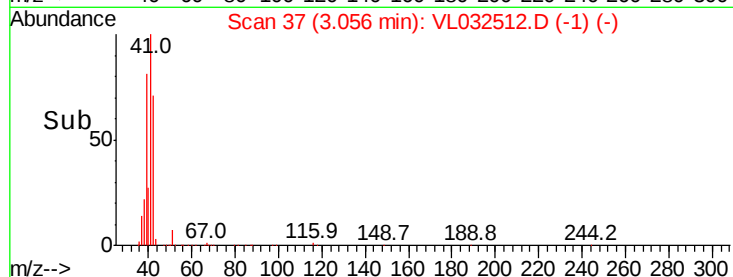
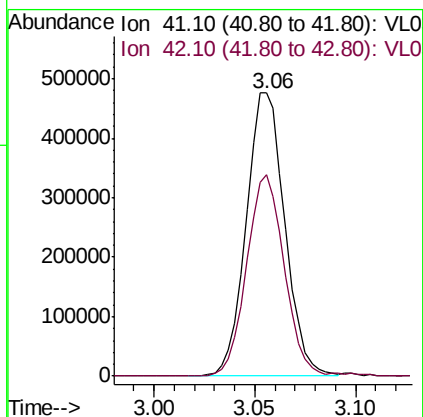
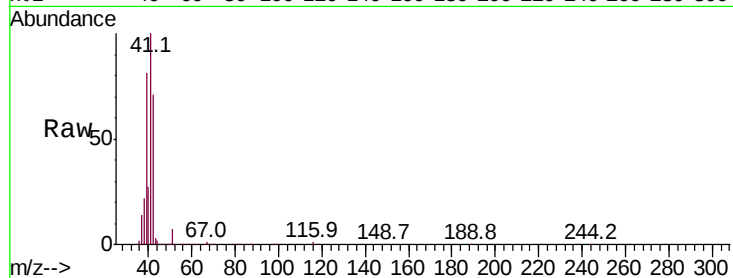
ClientSampleId :

Tot Ion: 41 Resp: 640127

Ion Ratio Lower Upper

41 100

42 69.6 56.6 84.8



#10

Heptane

Concen: 10.660 ppbv

RT: 8.28 min Scan# 1662

Delta R.T. -0.02 min

Lab File: VL032512.D

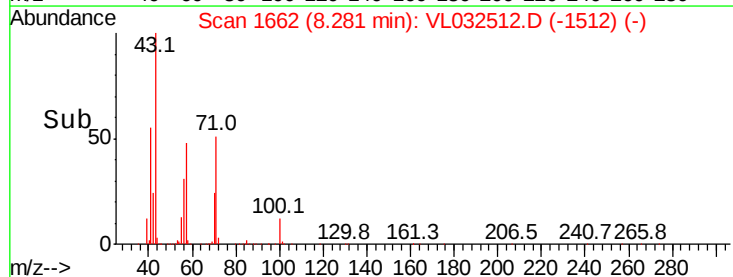
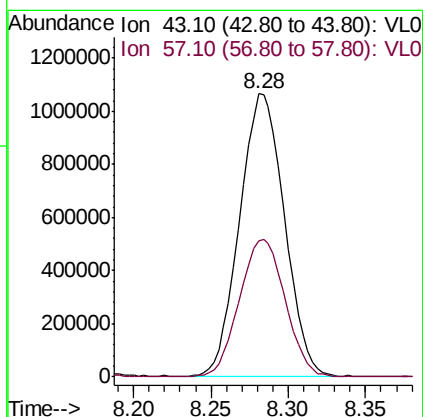
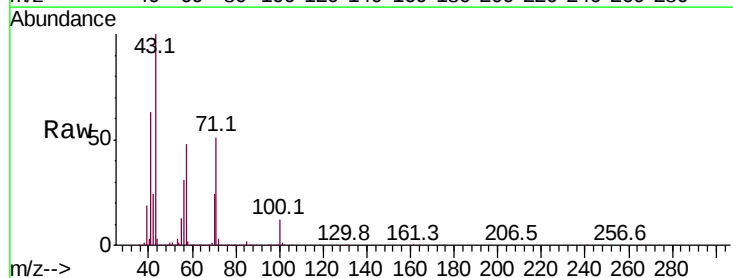
Acq: 20 Sep 2018 18:22

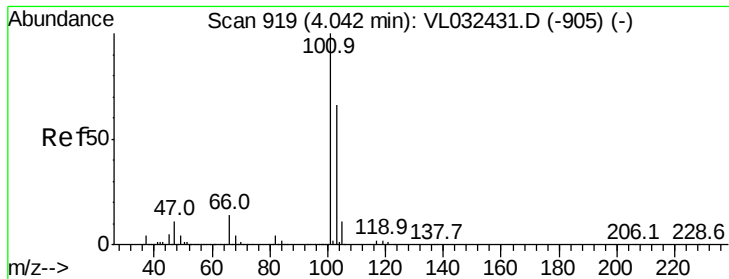
Tgt Ion: 43 Resp: 2137373

Ion Ratio Lower Upper

43 100

57 50.1 39.6 59.4

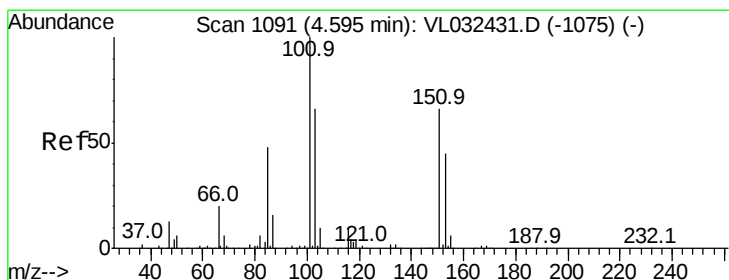
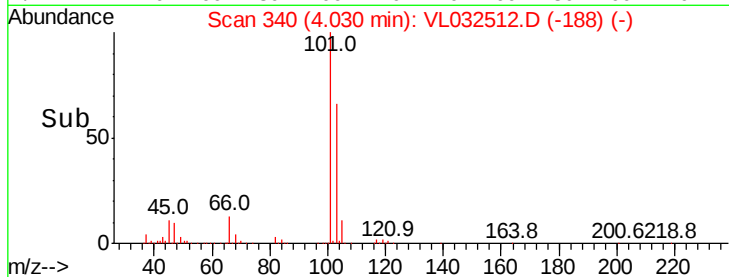
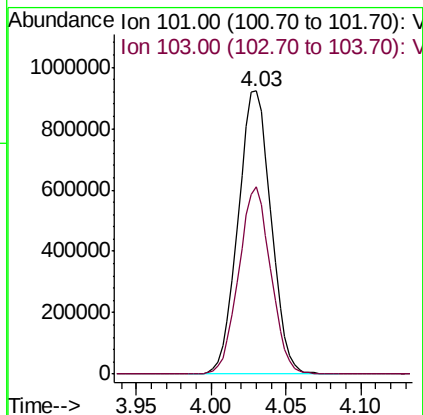
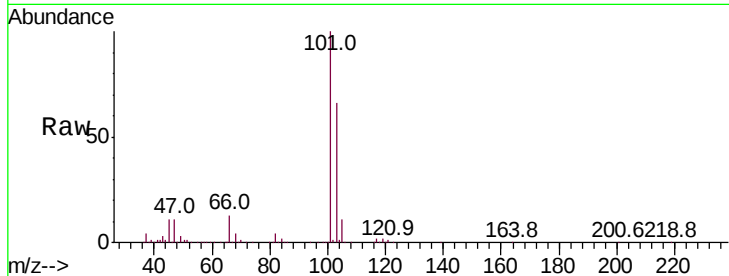




#11
 Trichlorofluoromethane
 Concen: 8.034 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

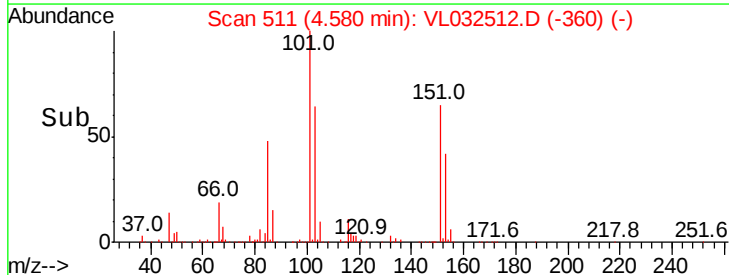
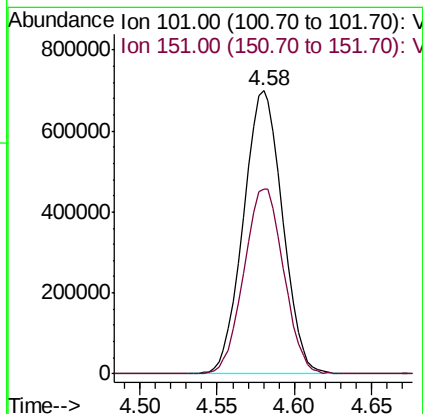
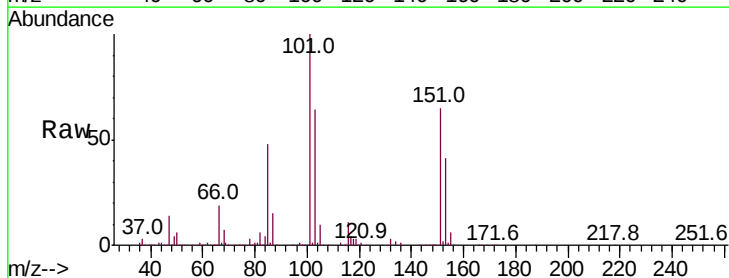
Instrument :
 MSVOA_L
 ClientSampleId :

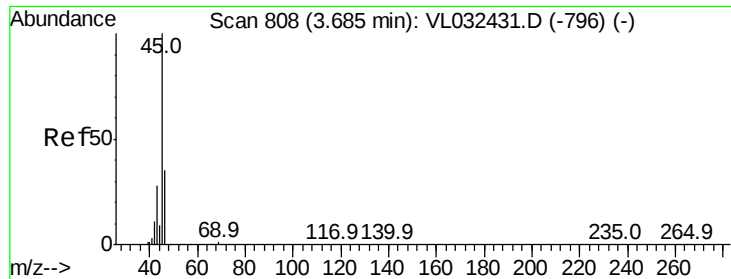
Tot Ion:101 Resp: 1418254
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.8 79.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.317 ppbv
 RT: 4.58 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion:101 Resp: 1234132
 Ion Ratio Lower Upper
 101 100
 151 66.4 52.6 78.8

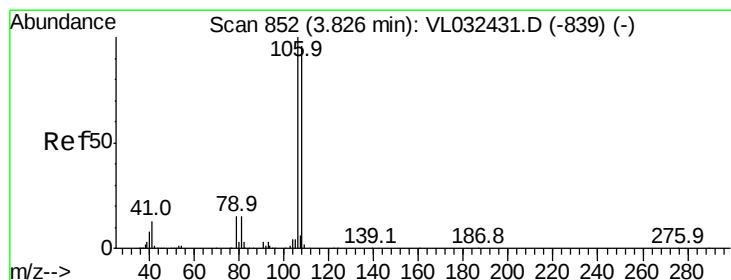
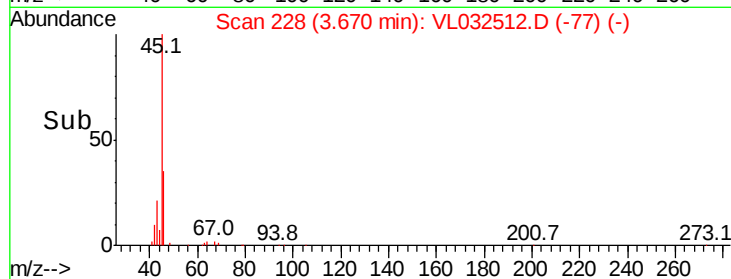
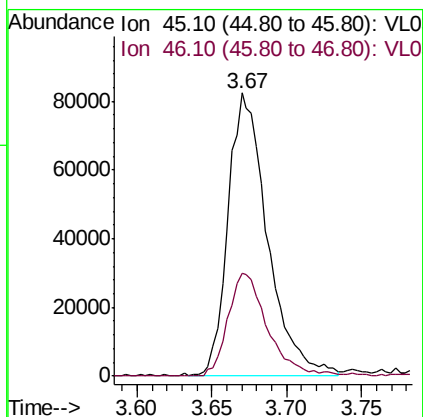
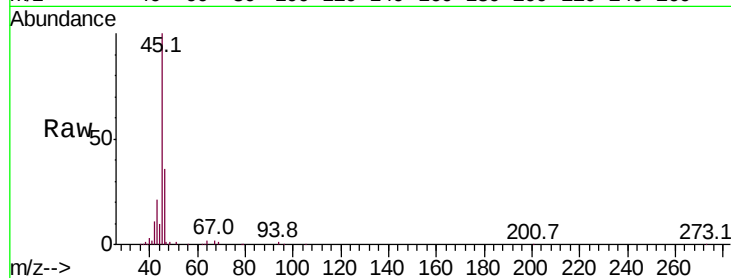




#13
Ethanol
Concen: 8.689 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

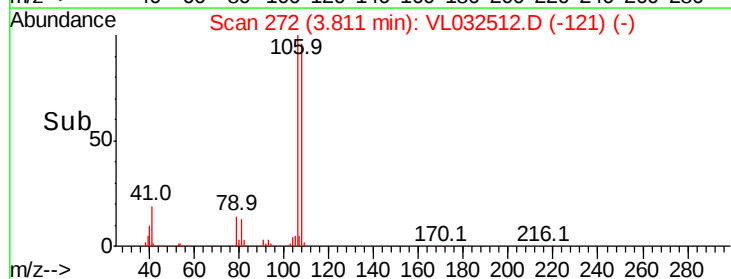
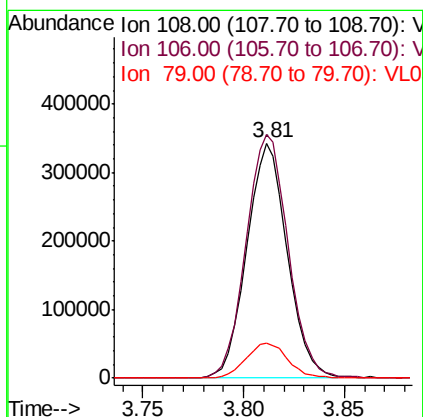
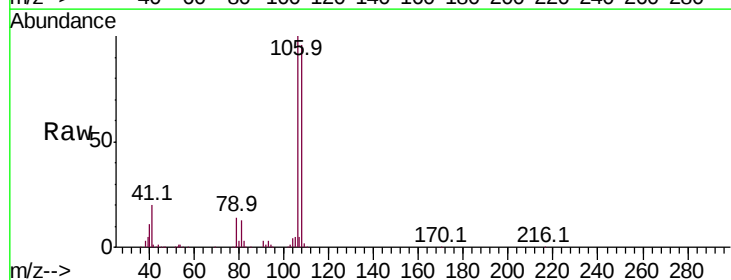
Instrument :
MSVOA_L
ClientSampleId :

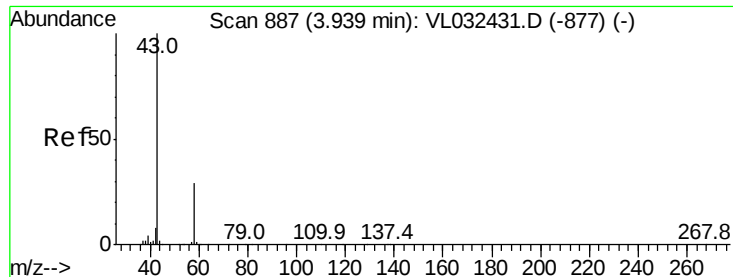
Tot Ion: 45 Resp: 151371
Ion Ratio Lower Upper
45 100
46 36.9 14.2 56.8



#14
Bromoethene
Concen: 9.503 ppbv
RT: 3.81 min Scan# 272
Delta R.T. -0.01 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Tgt Ion: 108 Resp: 481636
Ion Ratio Lower Upper
108 100
106 108.3 85.5 128.3
79 15.6 13.0 19.6





#15

Acetone

Concen: 9.116 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

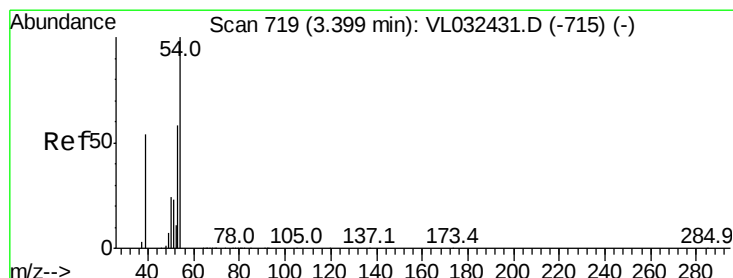
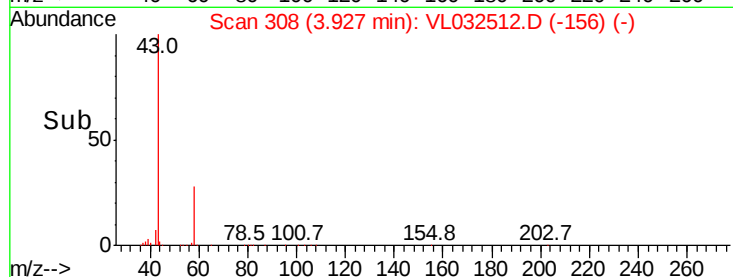
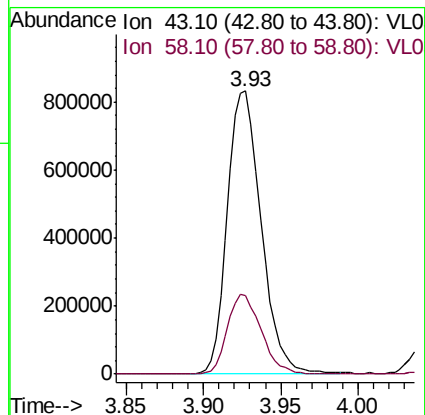
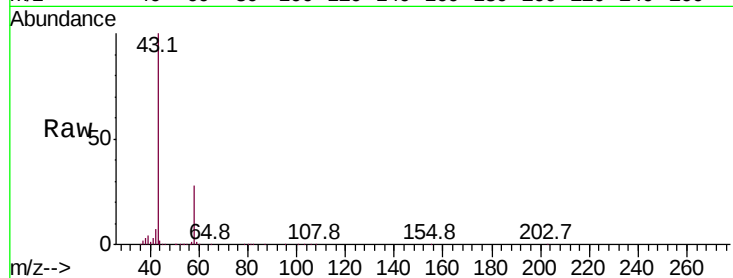
ClientSampleId :

Tot Ion: 43 Resp: 1256389

Ion Ratio Lower Upper

43 100

58 28.5 22.6 33.8



#16

1,3-Butadiene

Concen: 8.077 ppbv

RT: 3.38 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL032512.D

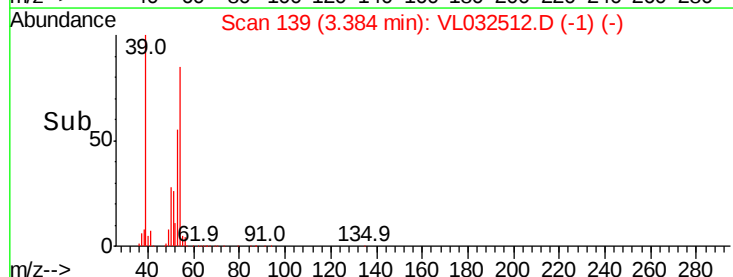
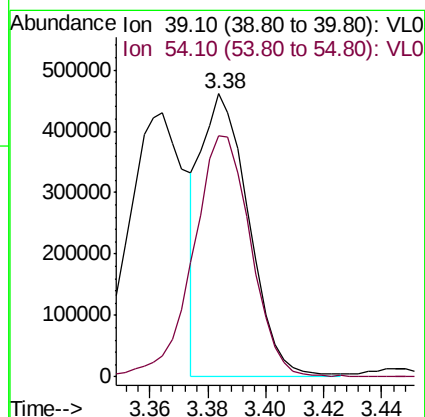
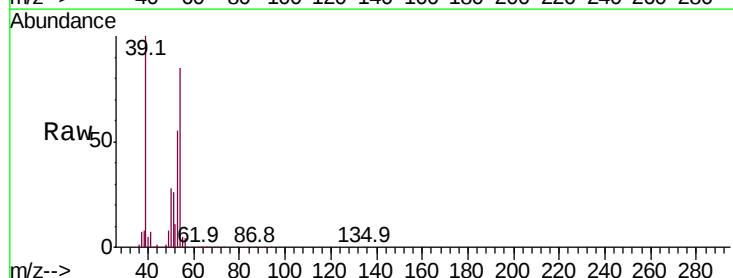
Acq: 20 Sep 2018 18:22

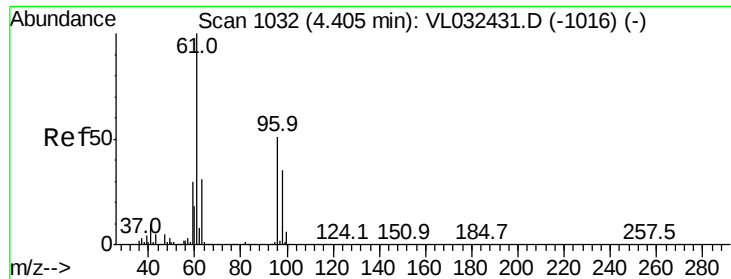
Tgt Ion: 39 Resp: 523826

Ion Ratio Lower Upper

39 100

54 104.3 80.8 121.2





#17

tert-Butyl alcohol

Concen: 9.770 ppbv

RT: 4.38 min Scan# 450

Delta R.T. -0.02 min

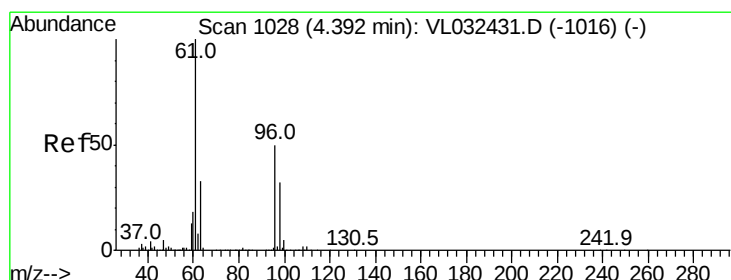
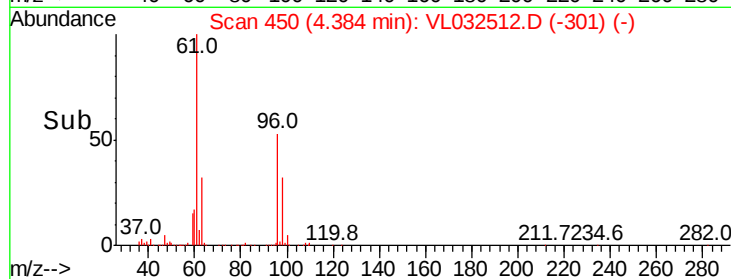
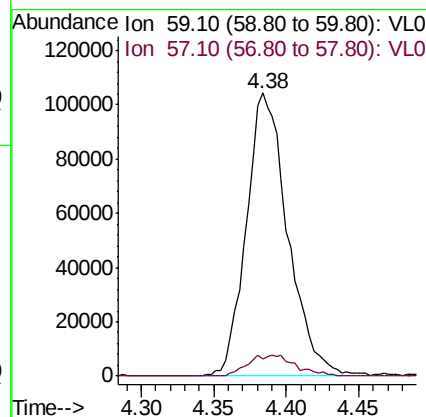
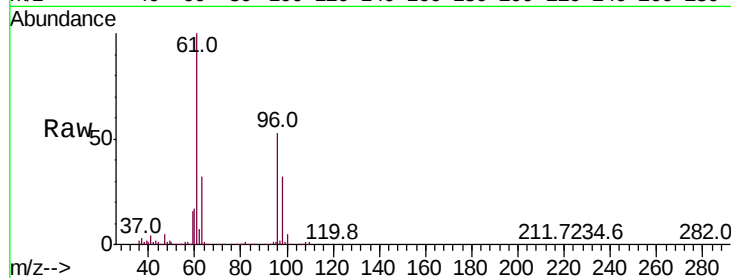
Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 59 Resp: 207234

Ion	Ratio	Lower	Upper
59	100		
57	8.8	0.0	0.0#



#18

1,1-Dichloroethene

Concen: 11.237 ppbv

RT: 4.38 min Scan# 448

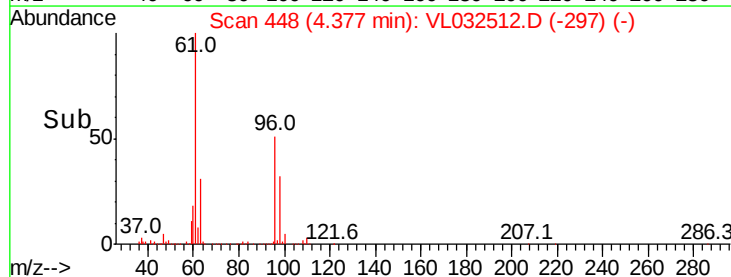
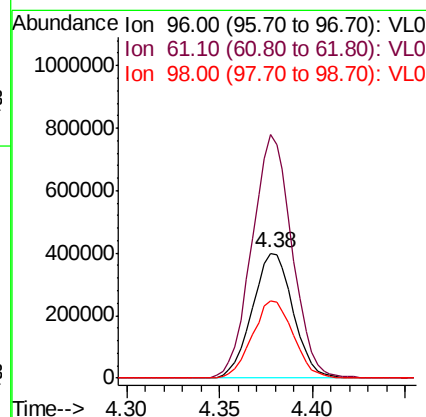
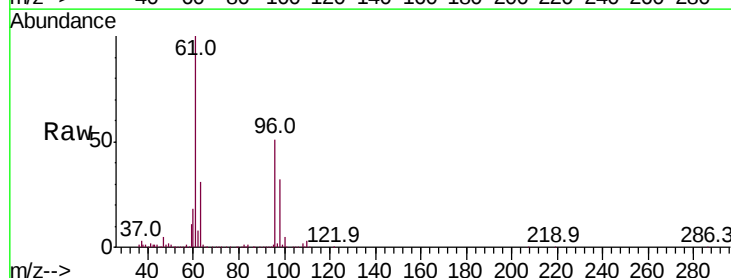
Delta R.T. -0.01 min

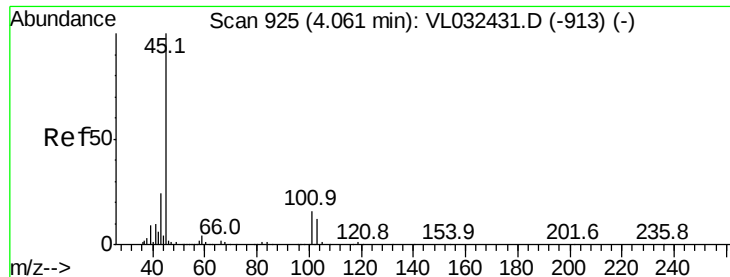
Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion: 96 Resp: 614342

Ion	Ratio	Lower	Upper
96	100		
61	194.5	159.2	238.8
98	61.6	51.0	76.4





#19

Isopropyl Alcohol

Concen: 10.008 ppbv

RT: 4.05 min Scan# 345

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

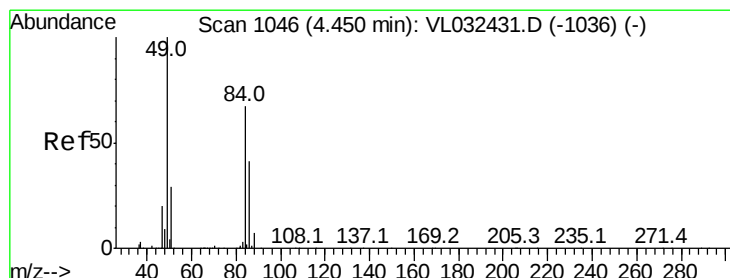
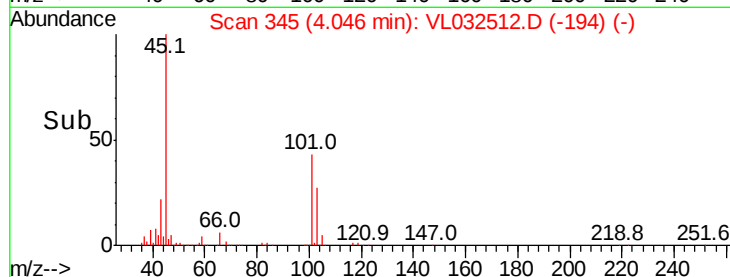
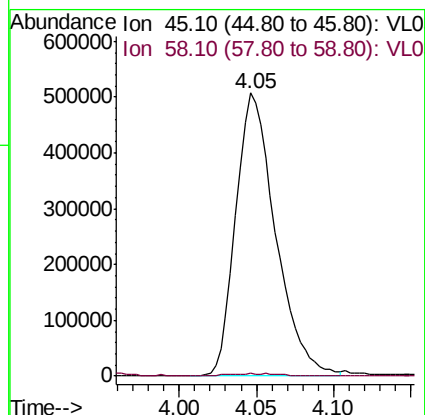
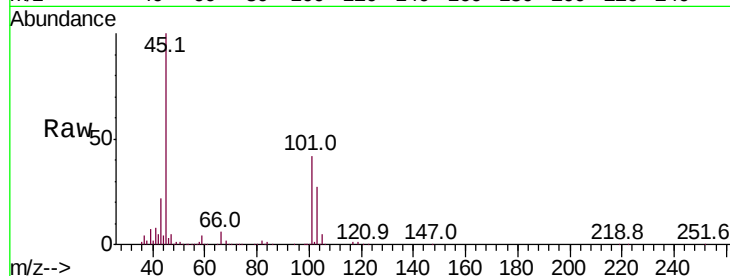
ClientSampled :

Tot Ion: 45 Resp: 904890

Ion Ratio Lower Upper

45 100

58 1.6 2.0 3.0#



#20

Methylene Chloride

Concen: 10.407 ppbv

RT: 4.44 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion: 84 Resp: 546917

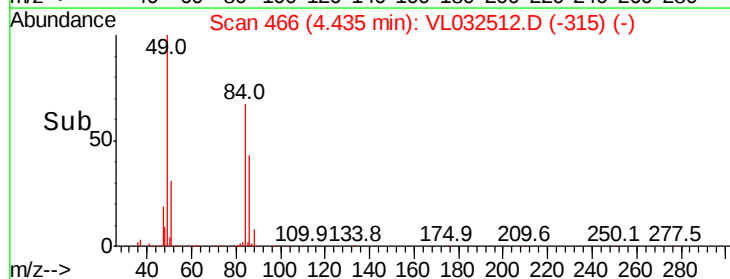
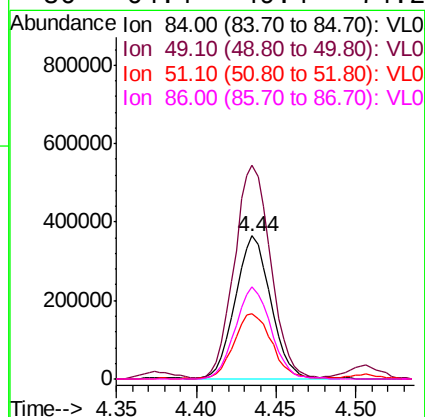
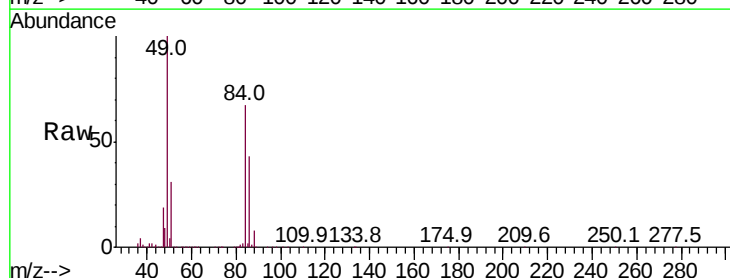
Ion Ratio Lower Upper

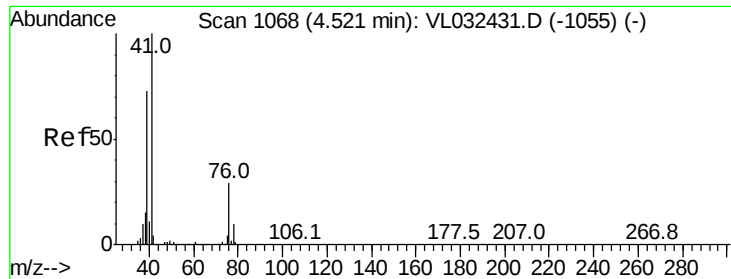
84 100

49 148.7 119.1 178.7

51 45.7 35.2 52.8

86 64.4 49.4 74.2

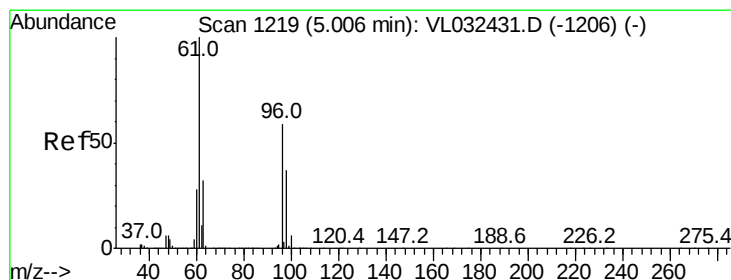
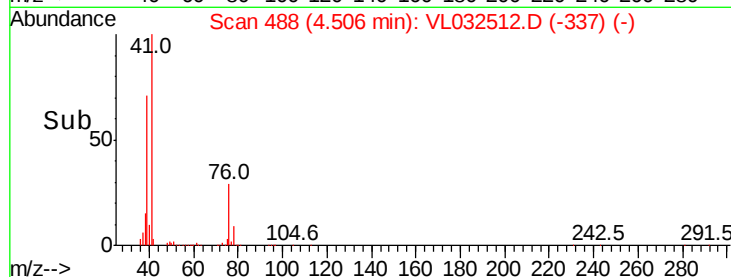
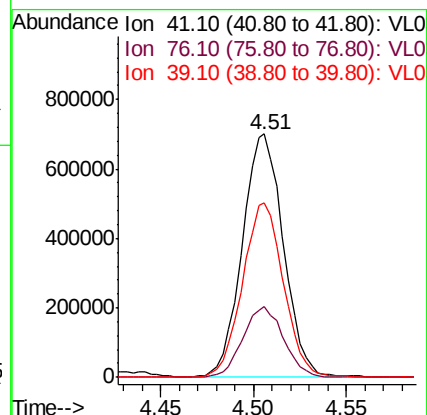
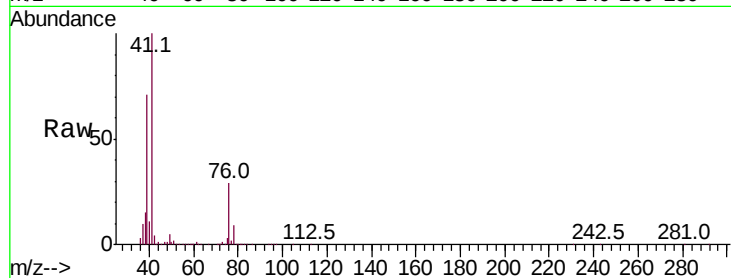




#21
 Allvl Chloride
 Concen: 11.665 ppbv
 RT: 4.51 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

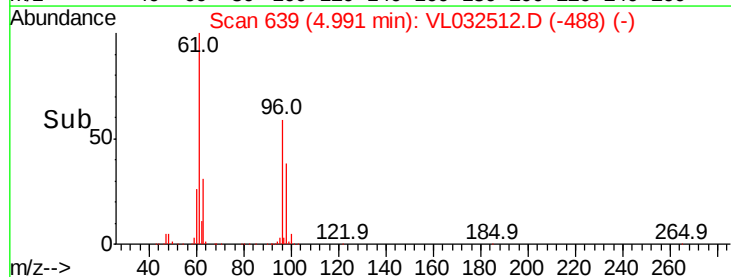
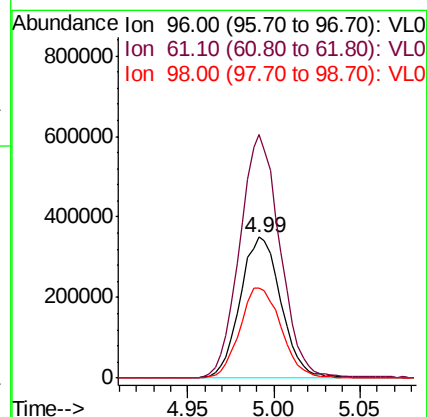
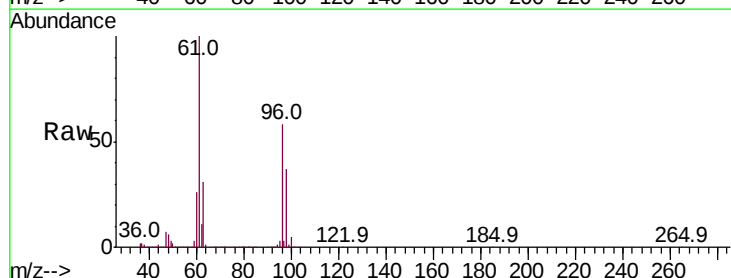
Instrument :
 MSVOA_L
 ClientSampleId :

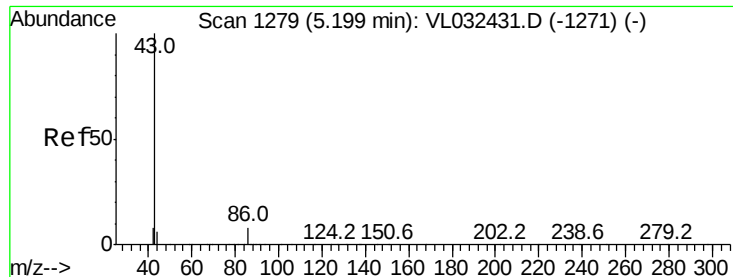
Tot Ion: 41 Resp: 1067846
 Ion Ratio Lower Upper
 41 100
 76 29.0 23.6 35.4
 39 72.2 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.700 ppbv
 RT: 4.99 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion: 96 Resp: 575395
 Ion Ratio Lower Upper
 96 100
 61 172.7 136.2 204.4
 98 64.0 50.4 75.6



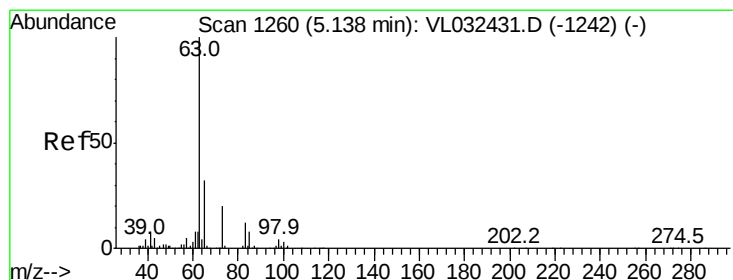
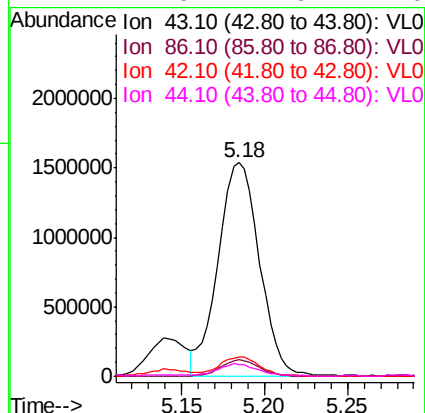
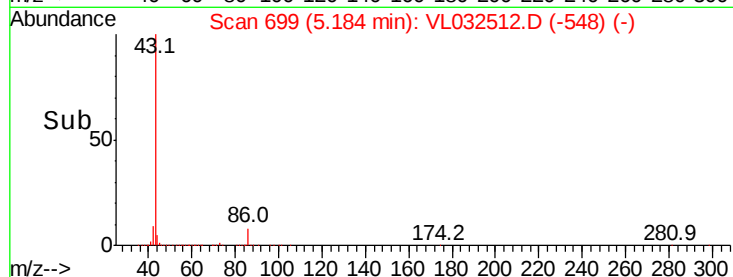
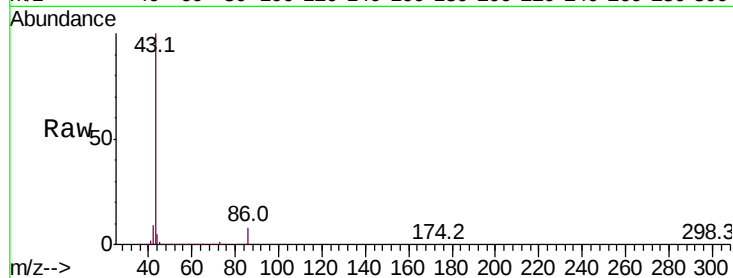


#23
 Vinyl Acetate
 Concen: 11.648 ppbv
 RT: 5.18 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2661128

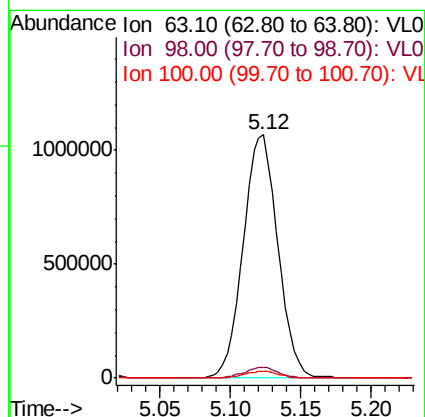
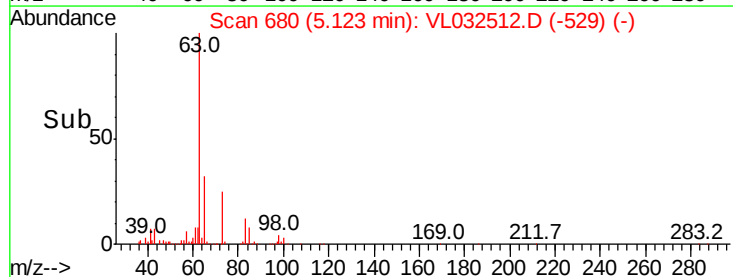
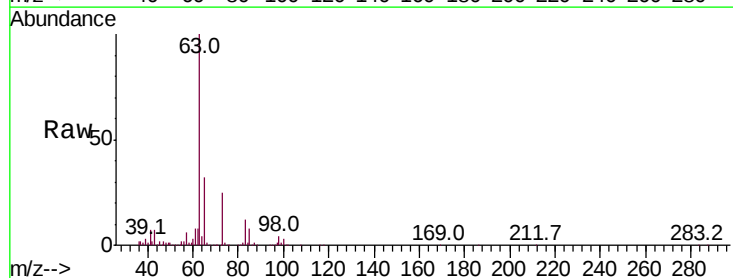
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.9	8.9
42	8.7	6.9	10.3
44	4.9	4.6	7.0

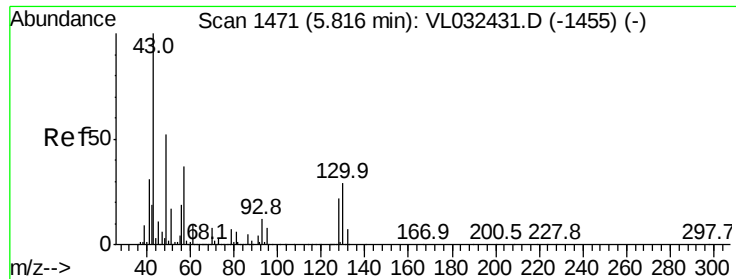


#24
 1,1-Dichloroethane
 Concen: 9.739 ppbv
 RT: 5.12 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion: 63 Resp: 1833400

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.6	1.5	4.4



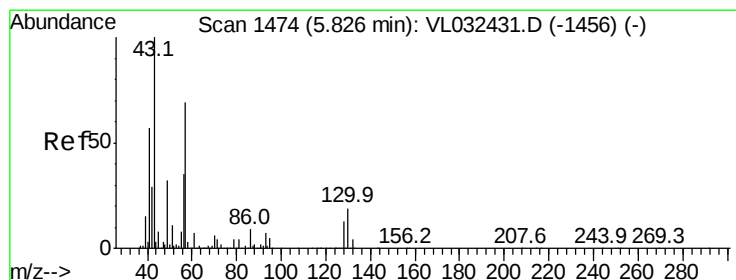
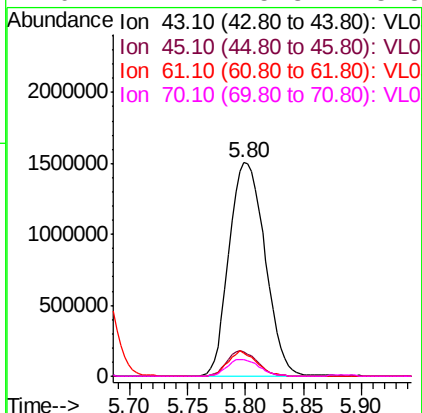
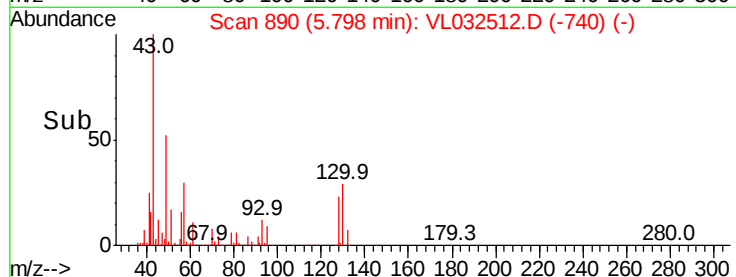
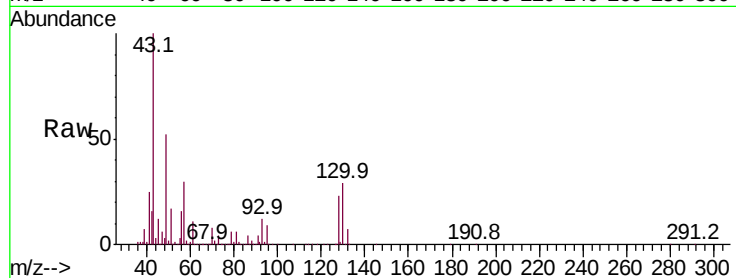


#25
Ethyl Acetate
Concen: 9.966 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3243729

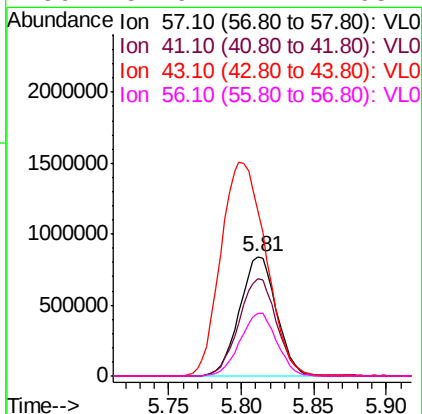
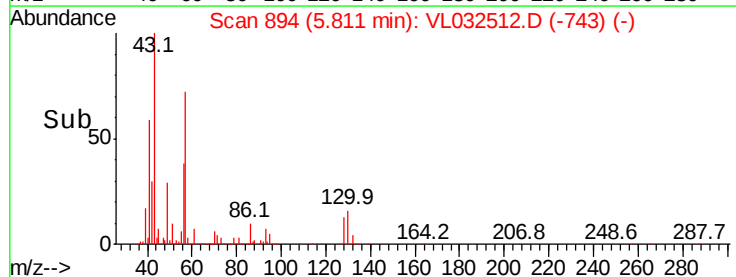
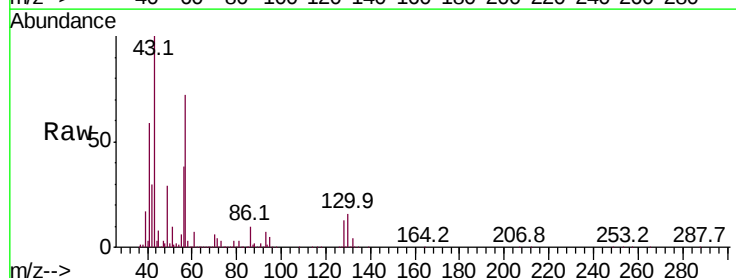
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.4	7.6	11.4
70	7.1	5.8	8.8

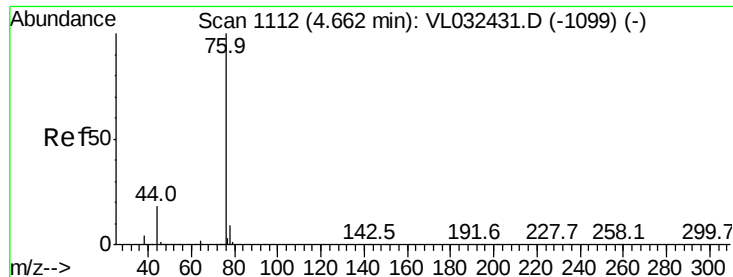


#26
Hexane
Concen: 10.195 ppbv
RT: 5.81 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Tgt Ion: 57 Resp: 1485782

Ion	Ratio	Lower	Upper
57	100		
41	83.9	69.0	103.4
43	218.9	172.1	258.1
56	52.6	42.2	63.2





#27

Carbon Disulfide

Concen: 11.584 ppbv

RT: 4.65 min Scan# 532

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

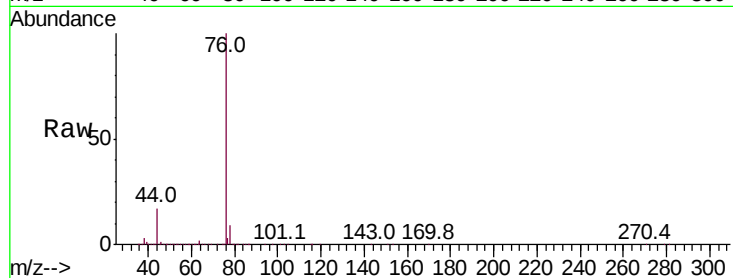
Tot Ion: 76 Resp: 1558439

Ion Ratio Lower Upper

76 100

44 17.7 14.0 21.0

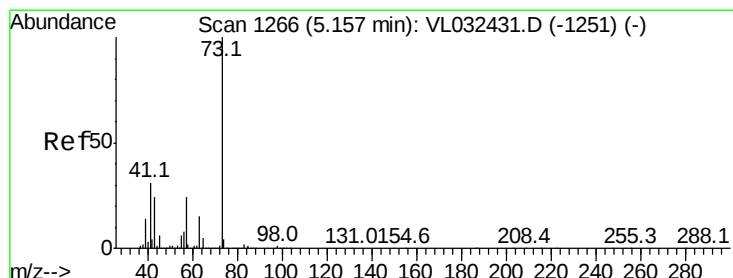
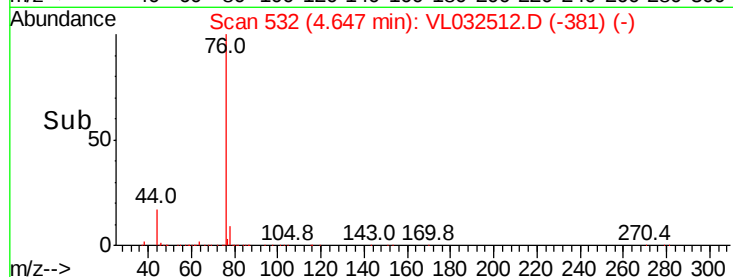
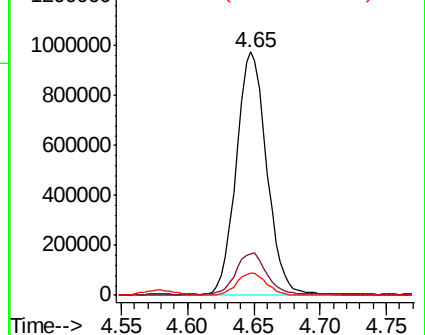
78 9.2 7.5 11.3



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: 11.607 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL032512.D

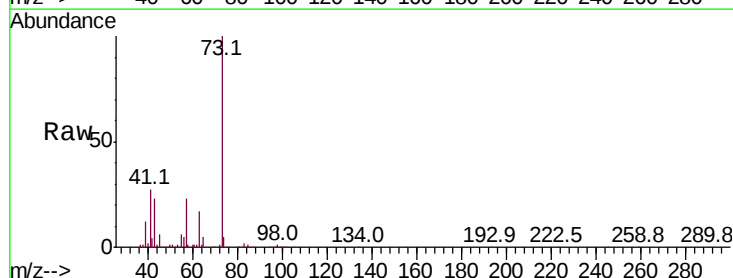
Acq: 20 Sep 2018 18:22

Tgt Ion: 73 Resp: 2076966

Ion Ratio Lower Upper

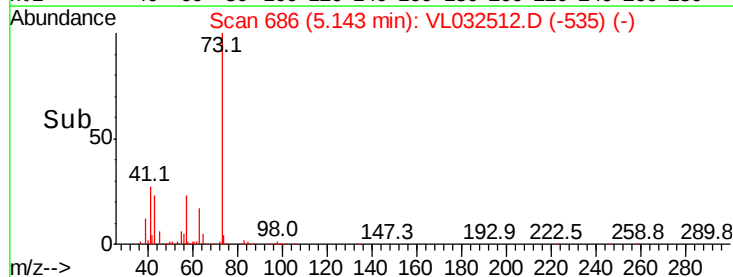
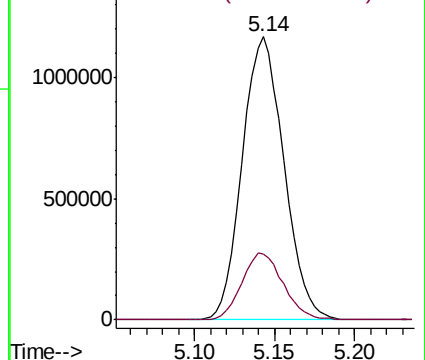
73 100

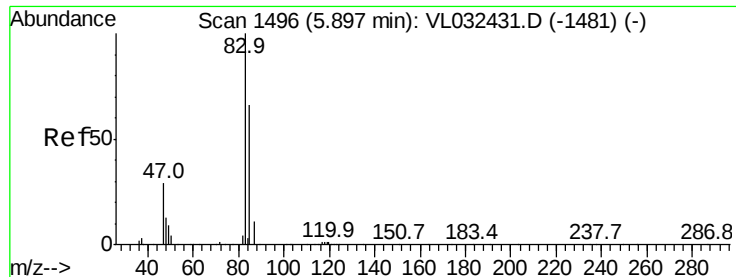
57 23.8 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.558 ppbv

RT: 5.88 min Scan# 916

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

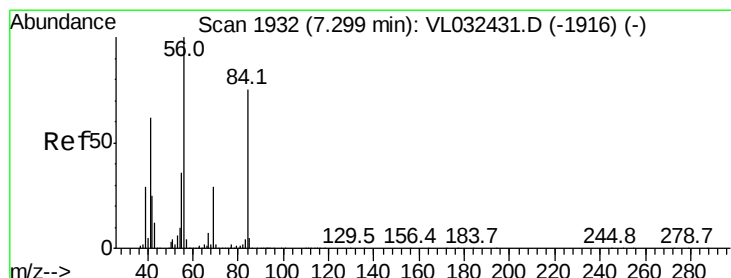
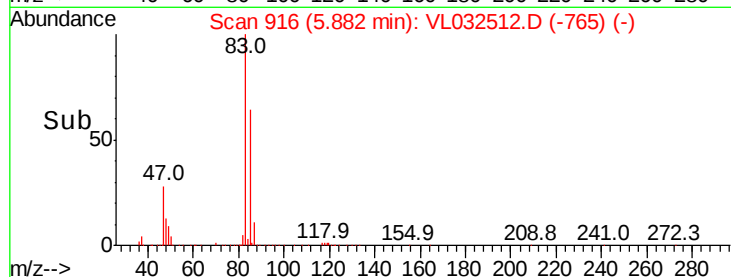
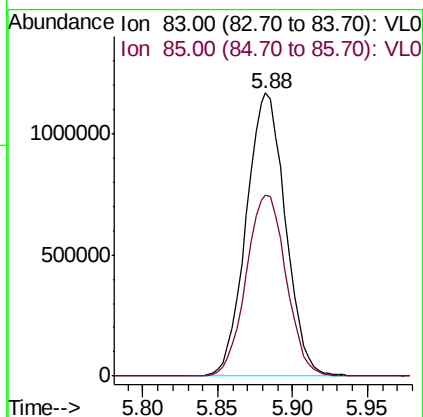
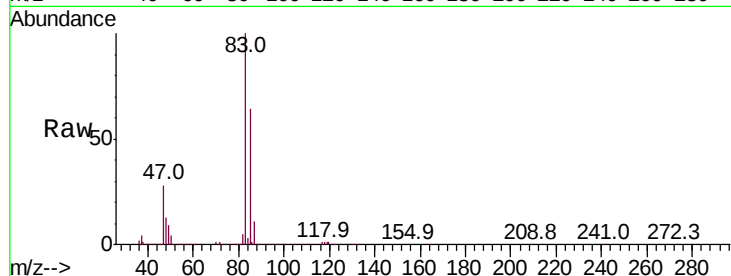
ClientSampleId :

Tot Ion: 83 Resp: 2123809

Ion Ratio Lower Upper

83 100

85 63.7 52.5 78.7



#30

Cyclohexane

Concen: 12.233 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

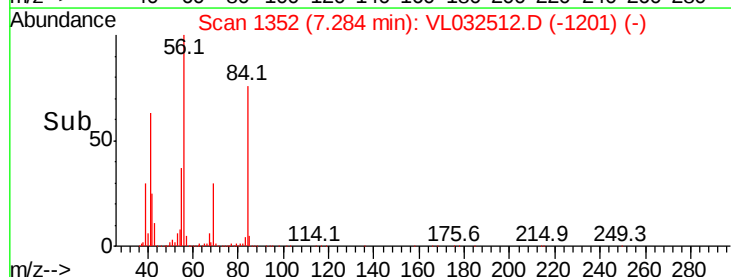
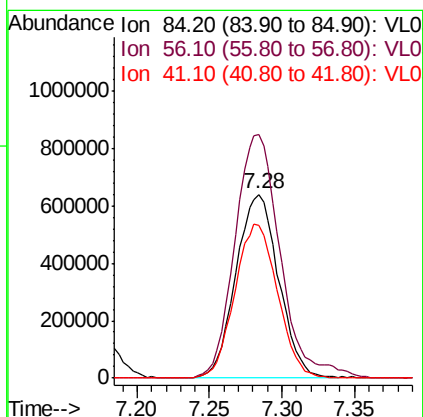
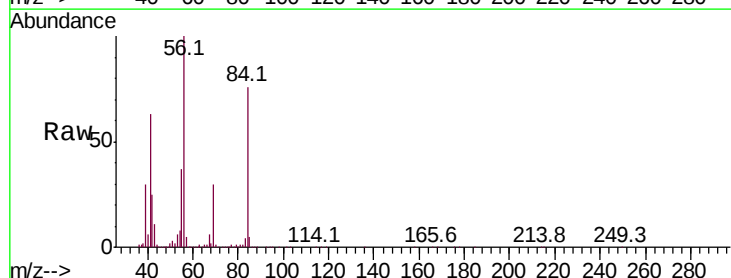
Tgt Ion: 84 Resp: 1305470

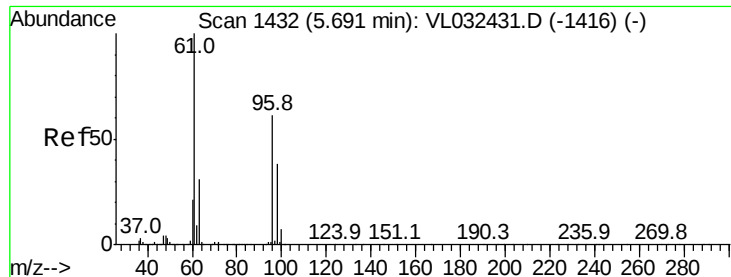
Ion Ratio Lower Upper

84 100

56 142.0 113.5 170.3

41 84.1 68.1 102.1





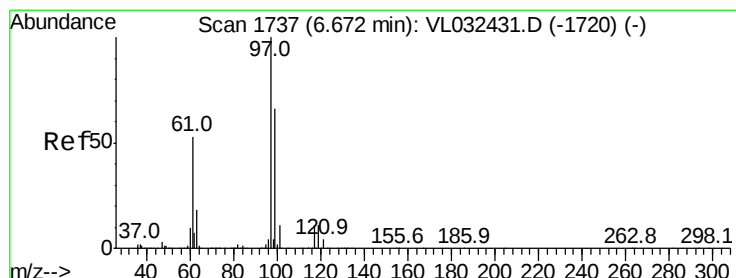
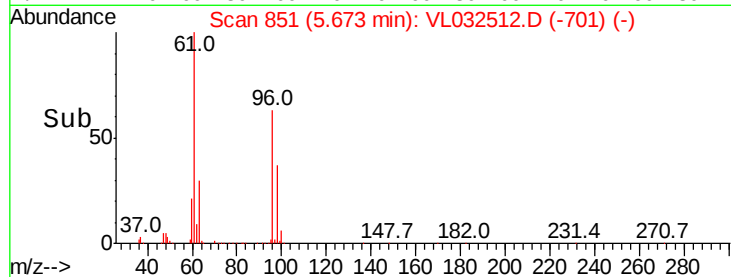
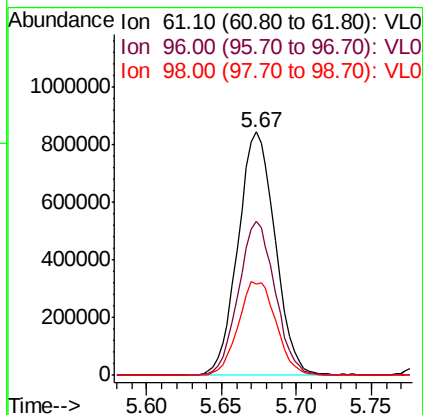
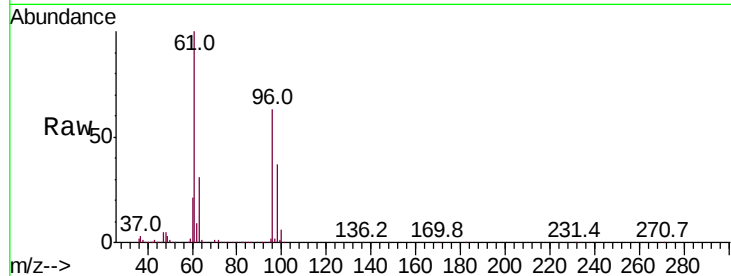
#31

cis-1,2-Dichloroethene
Concen: 11.017 ppbv
RT: 5.67 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1453917

Ion	Ratio	Lower	Upper
61	100		
96	63.2	49.2	73.8
98	37.3	30.7	46.1

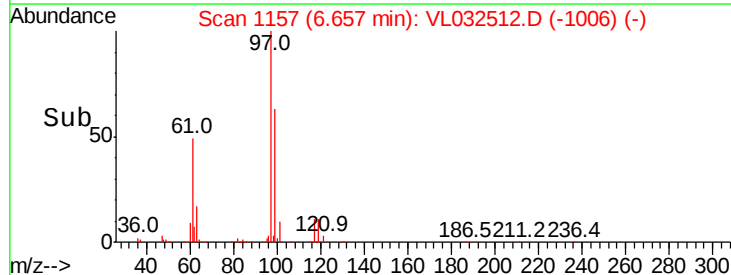
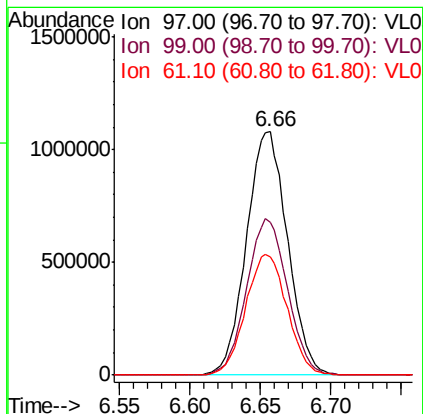
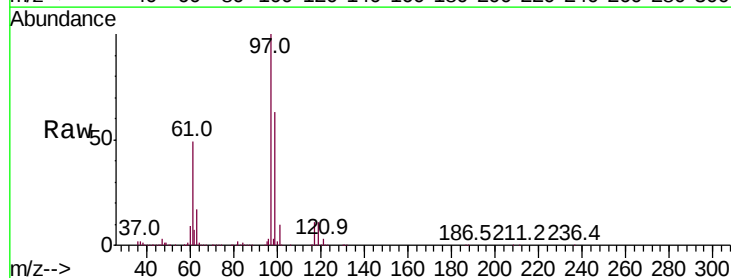


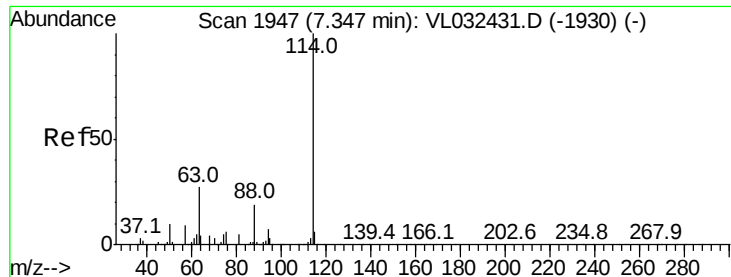
#32

1,1,1-Trichloroethane
Concen: 10.613 ppbv
RT: 6.66 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Tgt Ion: 97 Resp: 2198292

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.1	78.1
61	50.2	42.5	63.7

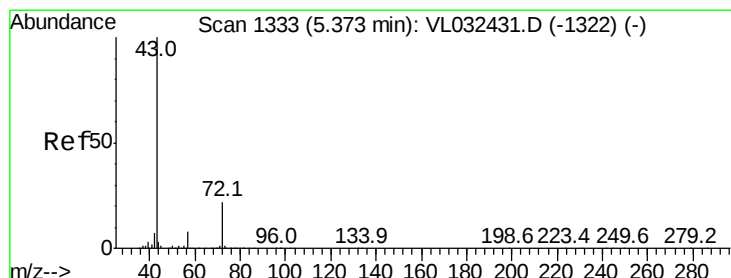
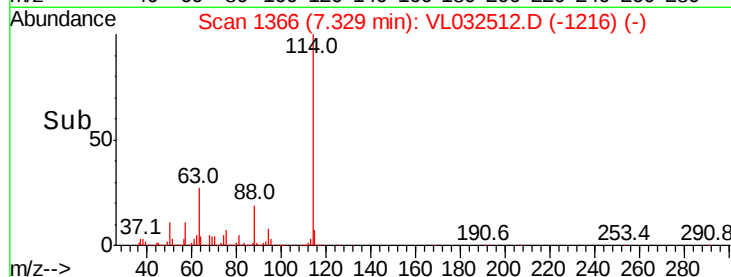
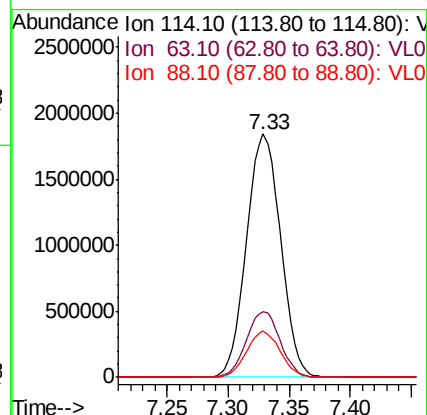
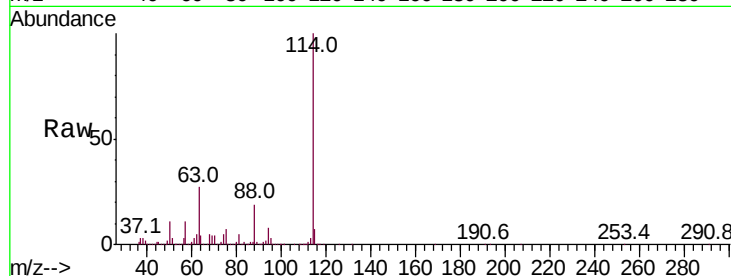




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

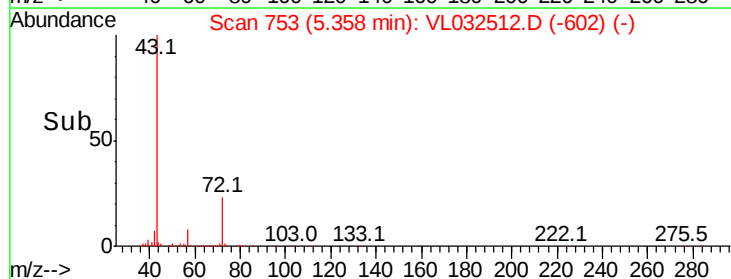
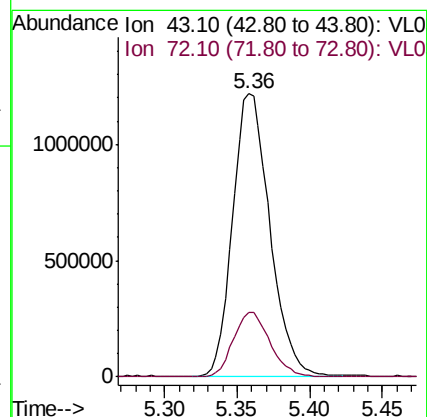
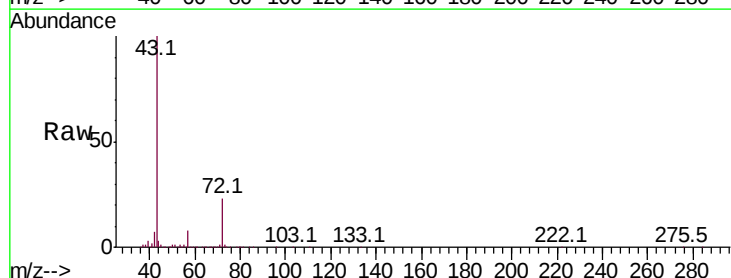
Instrument :
 MSVOA_L
 ClientSampleId :

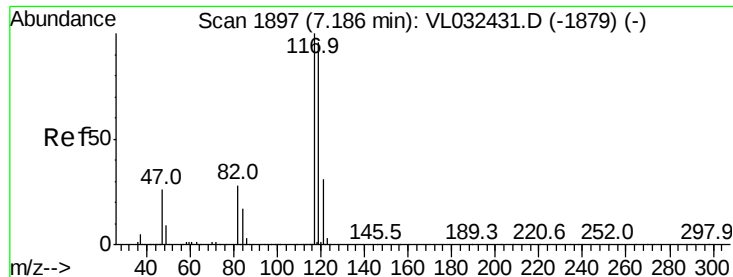
Tot Ion:114 Resp: 3556275
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.2 33.4
 88 18.6 15.0 22.4



#34
 2-Butanone
 Concen: 9.156 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion: 43 Resp: 2162770
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.036 ppbv

RT: 7.17 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampled :

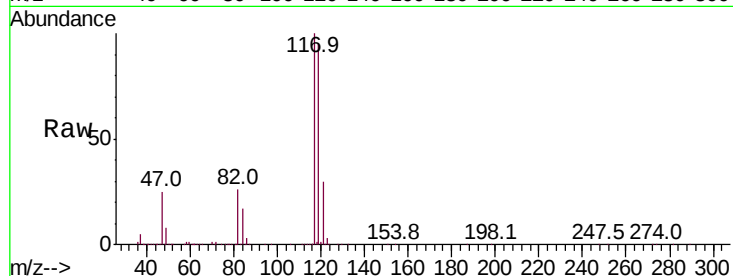
Tot Ion:117 Resp: 2159752

Ion Ratio Lower Upper

117 100

119 95.1 76.6 115.0

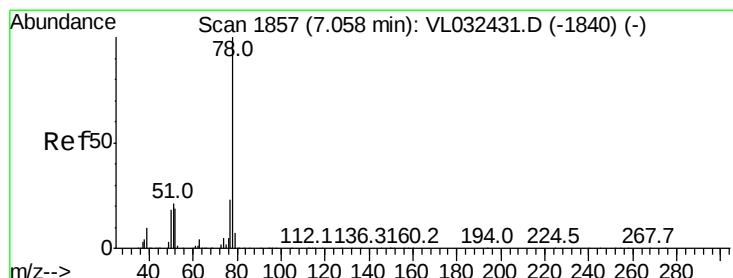
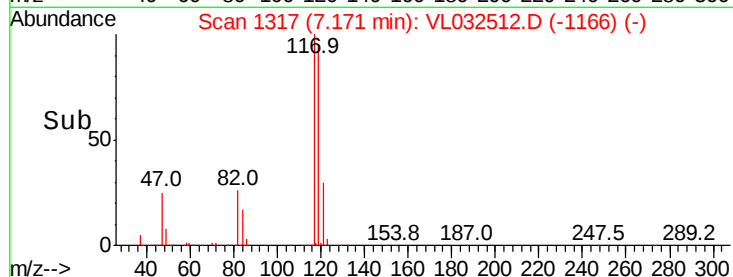
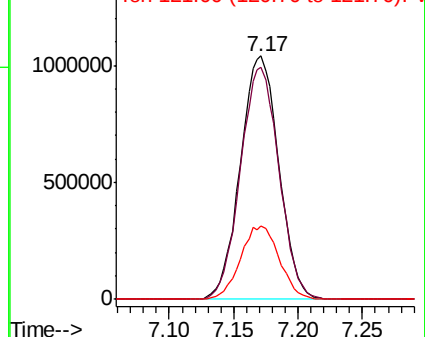
121 30.3 24.6 36.8



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: 9.985 ppbv

RT: 7.04 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

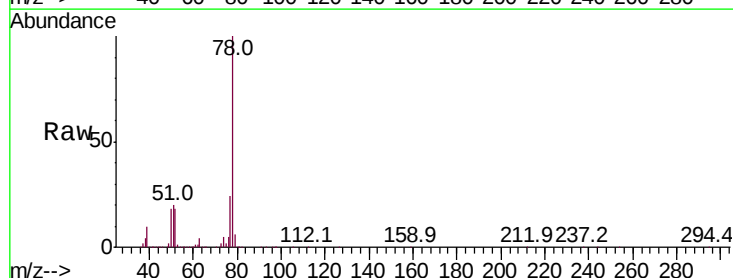
Tgt Ion: 78 Resp: 3021802

Ion Ratio Lower Upper

78 100

77 23.6 18.4 27.6

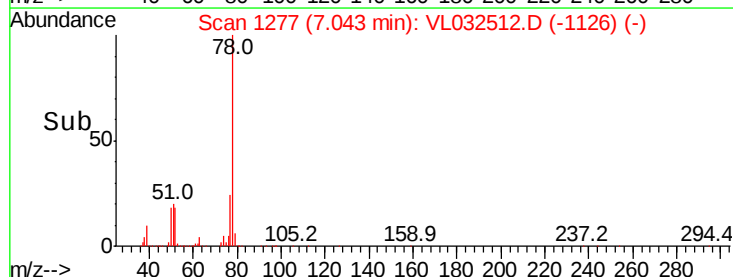
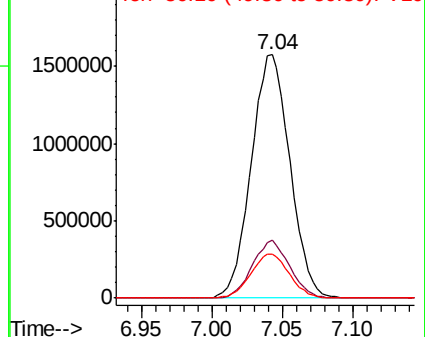
50 17.9 14.4 21.6

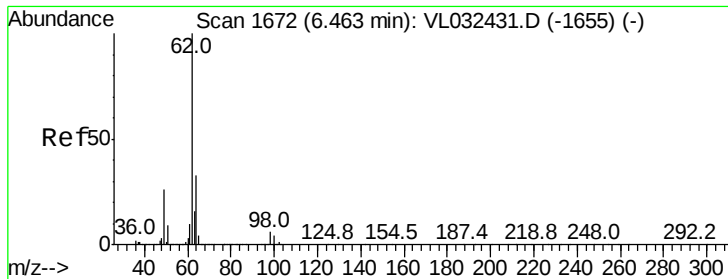


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

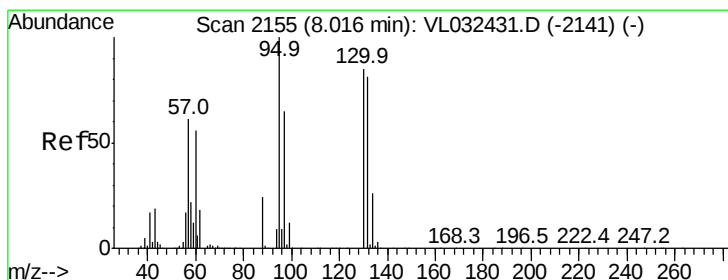
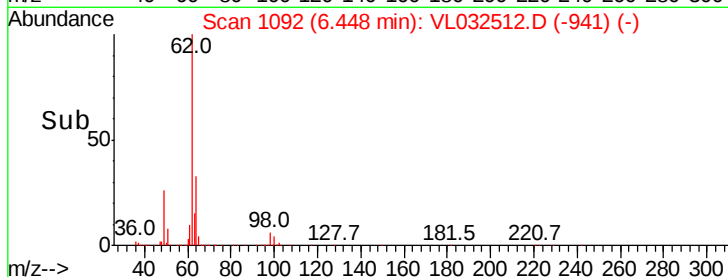
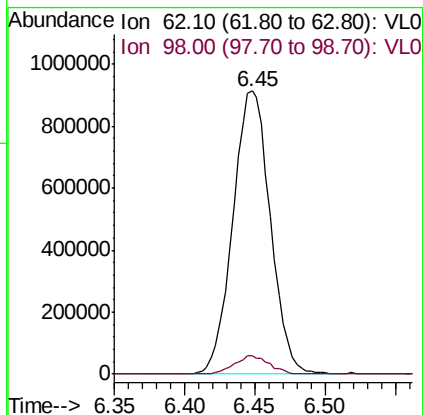
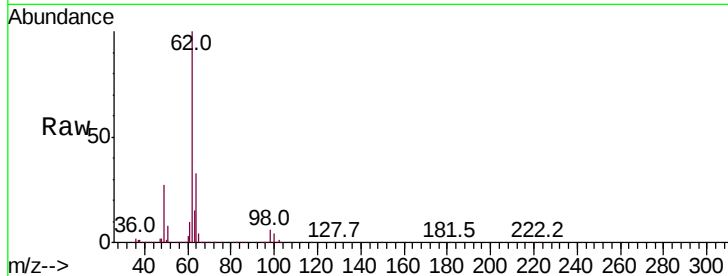




#37
 1,2-Dichloroethane
 Concen: 9.173 ppbv
 RT: 6.45 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

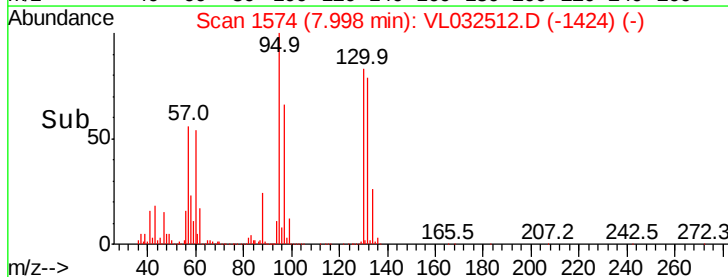
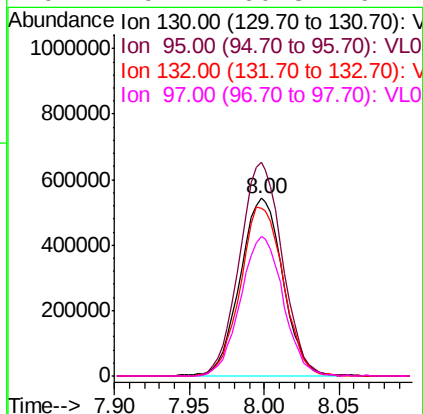
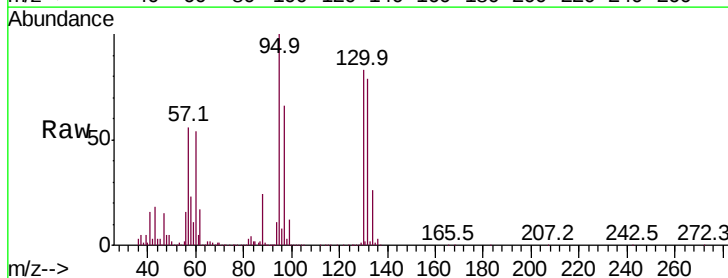
Instrument :
 MSVOA_L
 ClientSampleId :

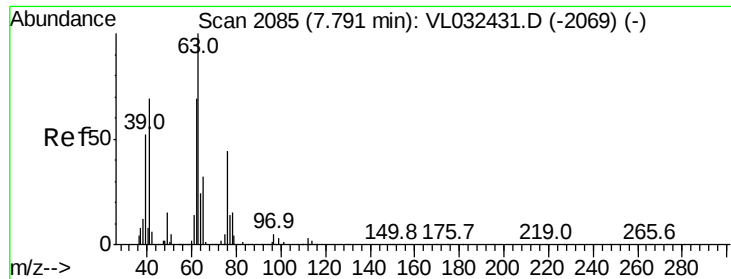
Tot Ion: 62 Resp: 1701178
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6



#38
 Trichloroethene
 Concen: 9.319 ppbv
 RT: 8.00 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion:130 Resp: 1071401
 Ion Ratio Lower Upper
 130 100
 95 120.7 94.2 141.4
 132 94.8 76.2 114.4
 97 79.1 60.8 91.2





#39

1,2-Dichloropropane

Concen: 10.072 ppbv

RT: 7.78 min Scan# 1505

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

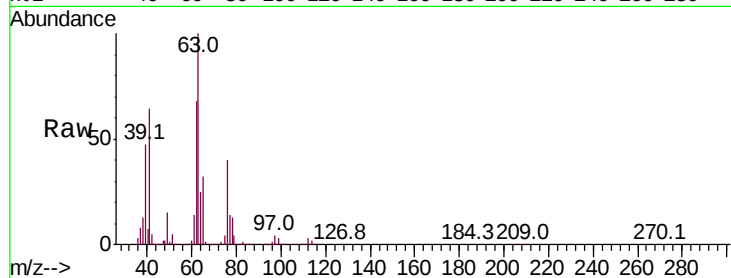
Tot Ion: 63 Resp: 1304165

Ion Ratio Lower Upper

63 100

41 64.0 55.4 83.0

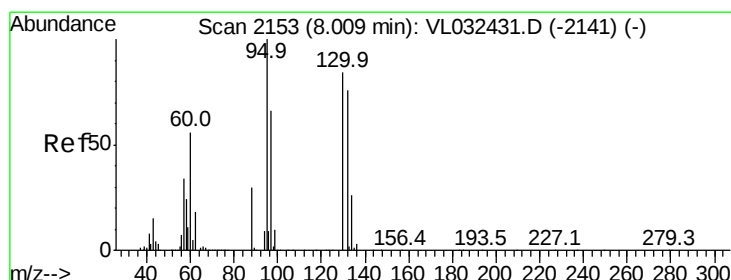
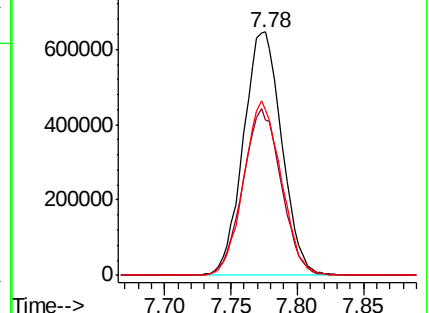
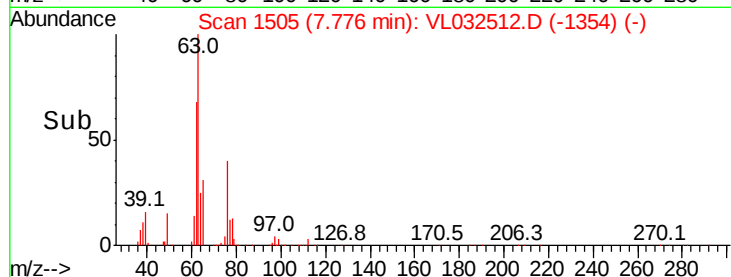
62 67.9 55.4 83.0



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: 11.077 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion: 88 Resp: 430318

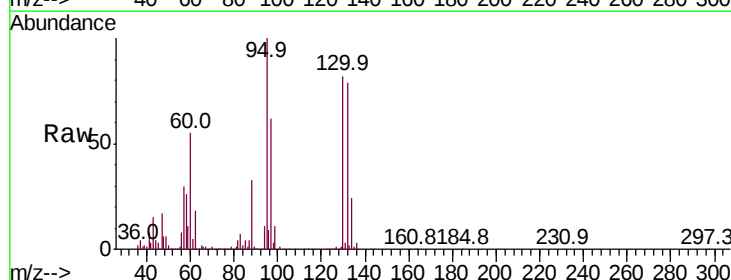
Ion Ratio Lower Upper

88 100

58 141.1 119.7 179.5

43 0.0 253.0 379.4#

57 0.0 1156.9 1735.3#

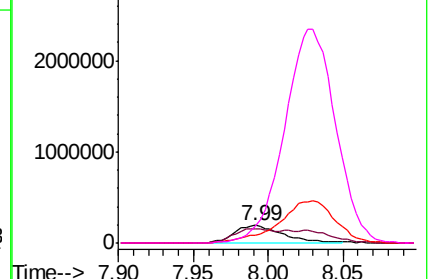
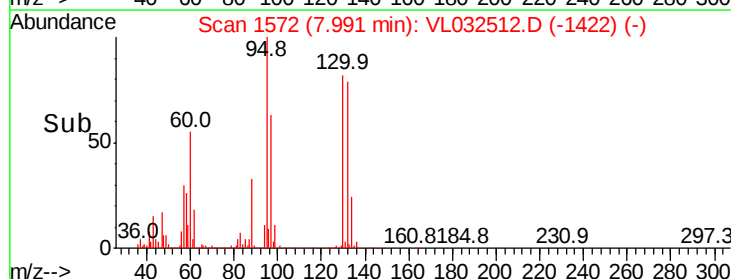


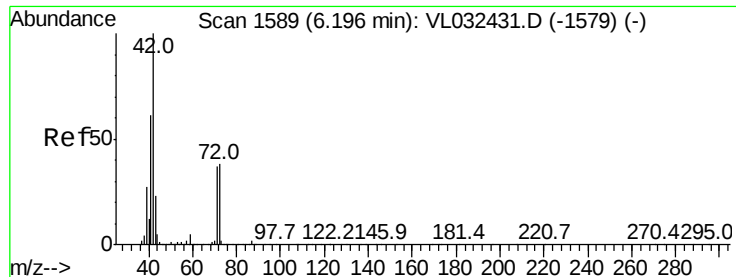
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.751 ppbv

RT: 6.18 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

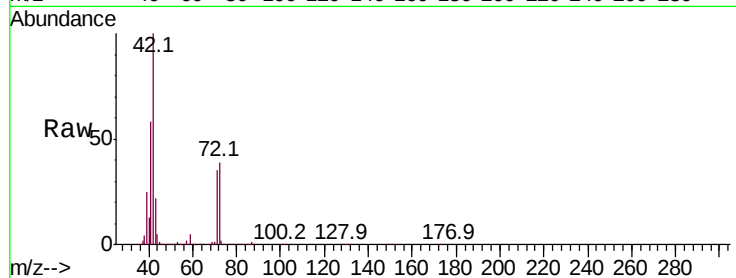
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 42 Resp: 1382531

Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.5	44.3
71	35.1	28.3	42.5

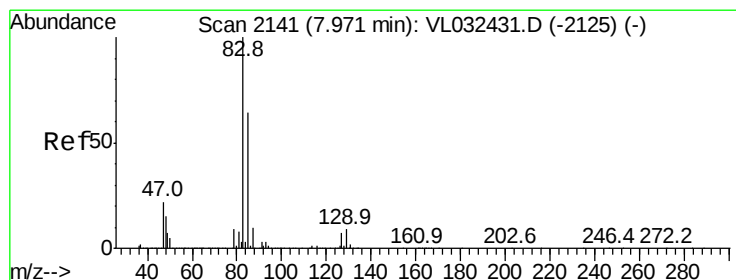
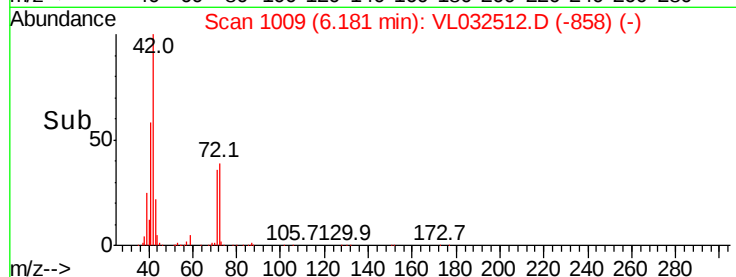
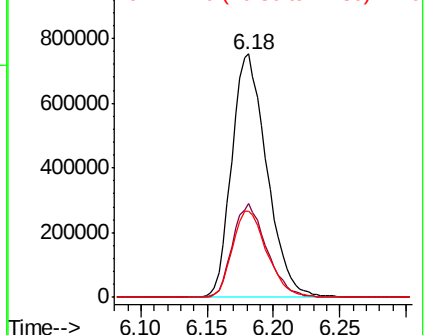


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.668 ppbv

RT: 7.96 min Scan# 1561

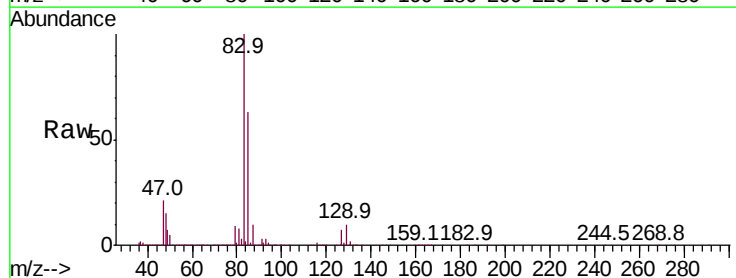
Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion: 83 Resp: 2473151

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.2	5.8	8.8

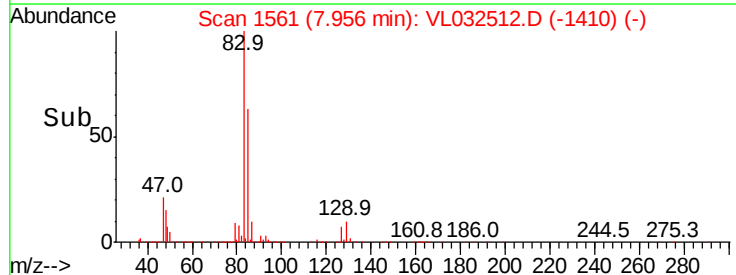
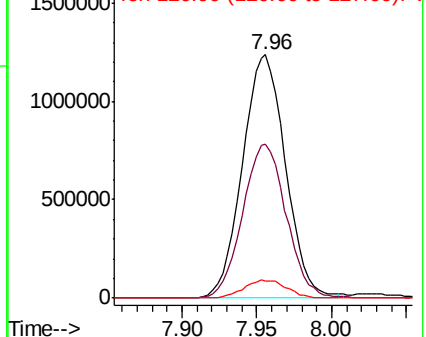


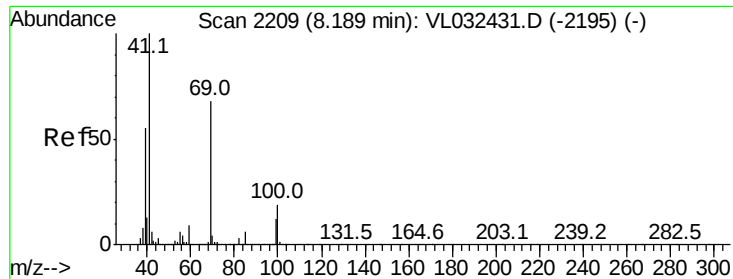
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methvl Methacrilate

Concen: 10.299 ppbv

RT: 8.17 min Scan# 1628

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

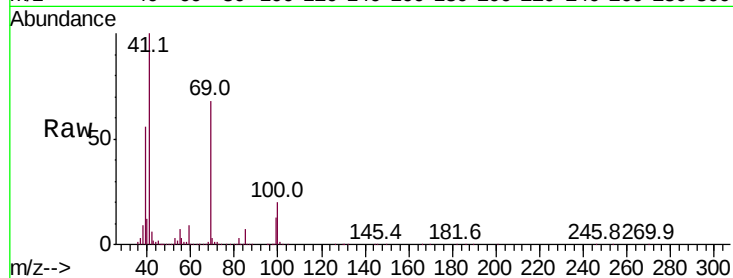
Tot Ion: 69 Resp: 1322377

Ion Ratio Lower Upper

69 100

41 148.6 117.1 175.7

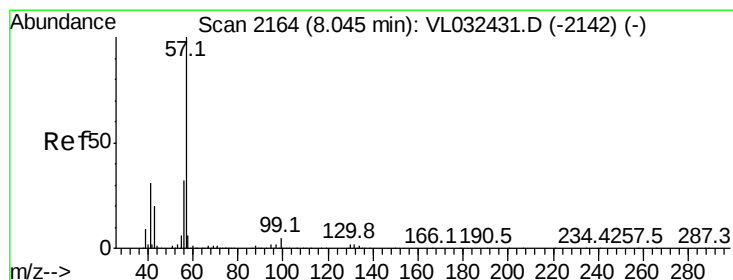
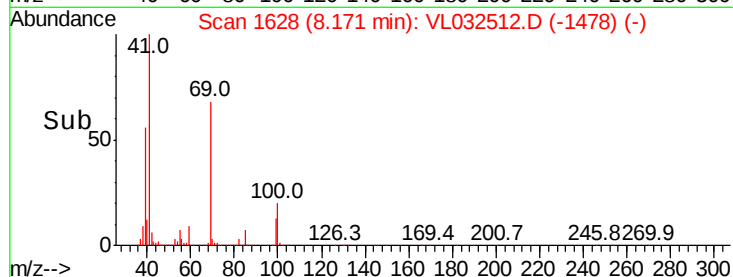
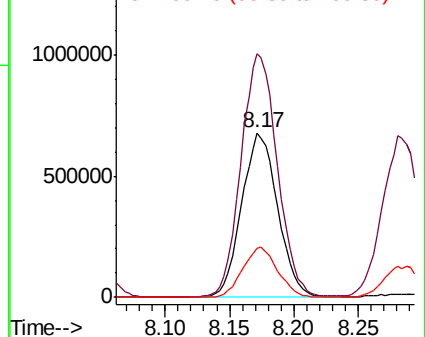
100 29.7 23.4 35.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.517 ppbv

RT: 8.03 min Scan# 1583

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

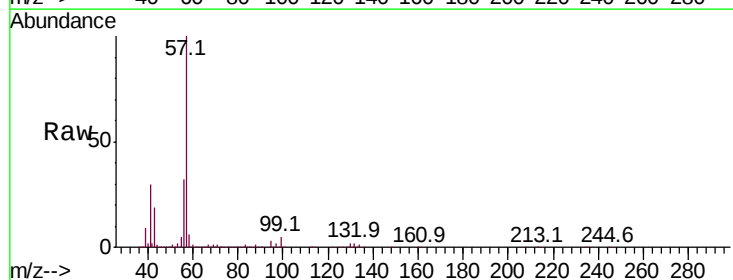
Tgt Ion: 57 Resp: 5568411

Ion Ratio Lower Upper

57 100

41 29.7 24.4 36.6

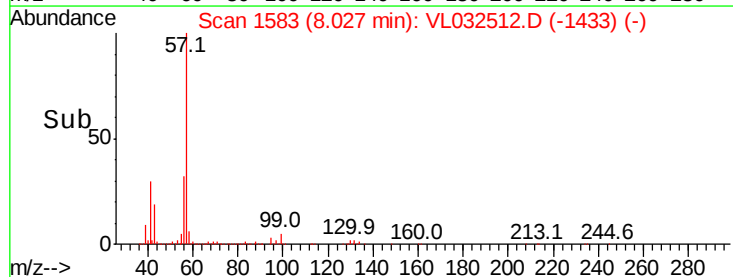
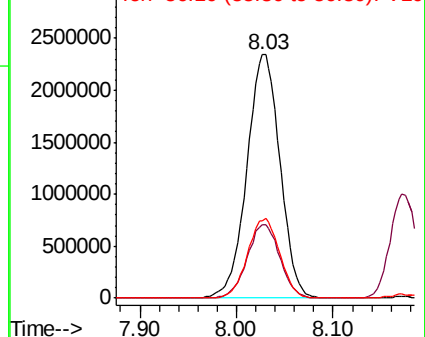
56 31.7 25.7 38.5

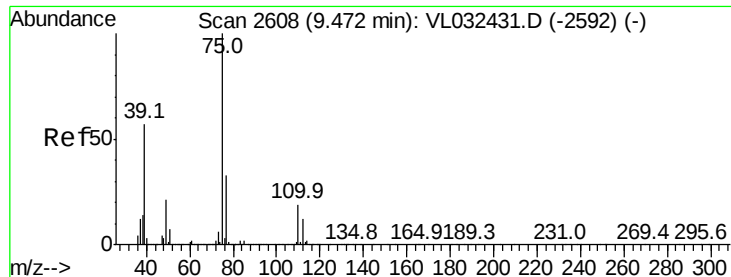


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.129 ppbv

RT: 9.45 min Scan# 2027

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

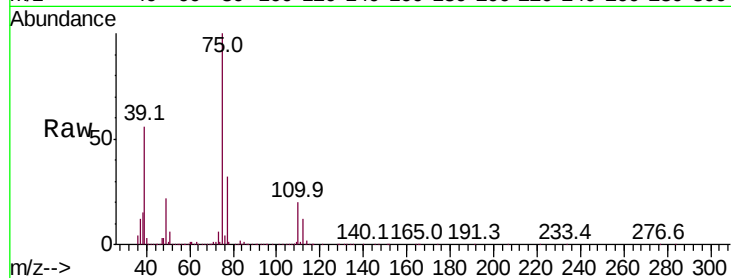
ClientSampleId :

Tot Ion: 75 Resp: 1803724

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.45

1000000

800000

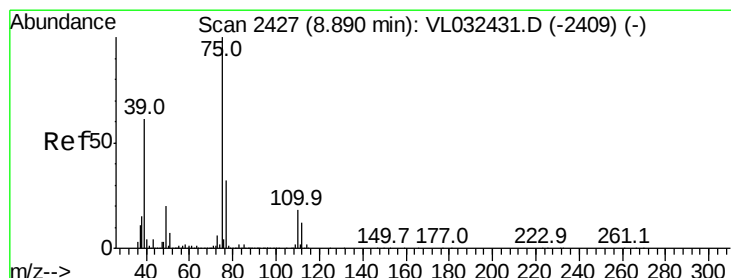
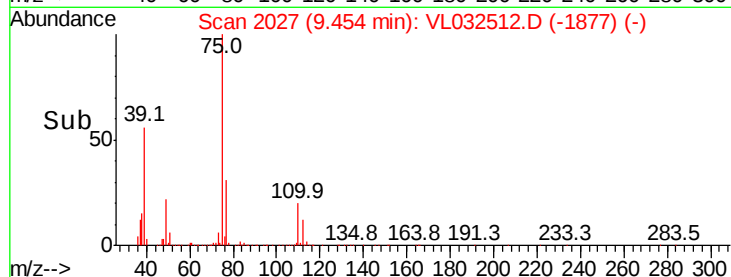
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.528 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

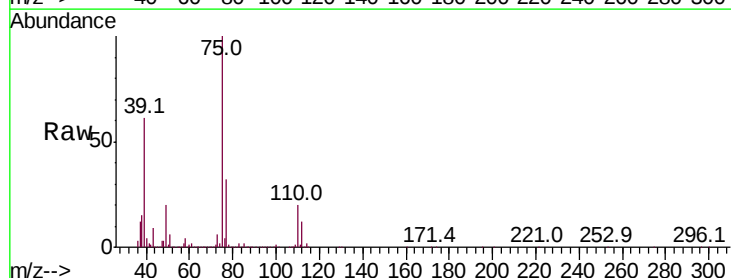
Tgt Ion: 75 Resp: 2023786

Ion Ratio Lower Upper

75 100

39 61.2 48.9 73.3

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

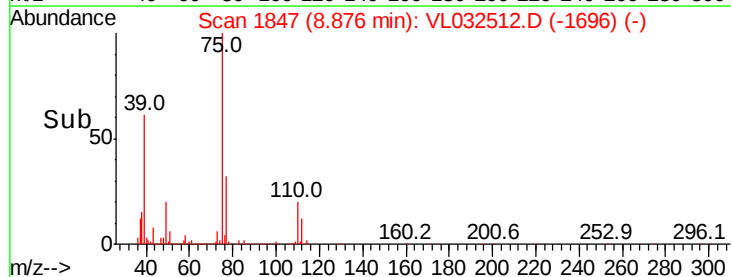
8.88

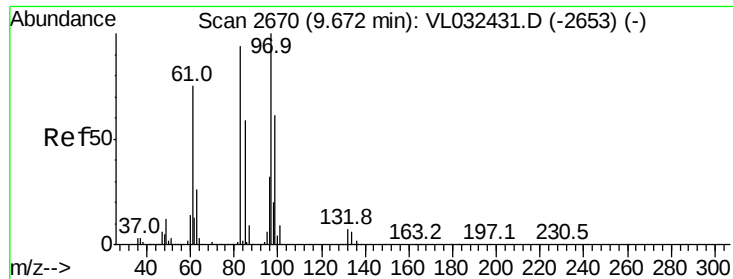
1000000

500000

0

Time-->



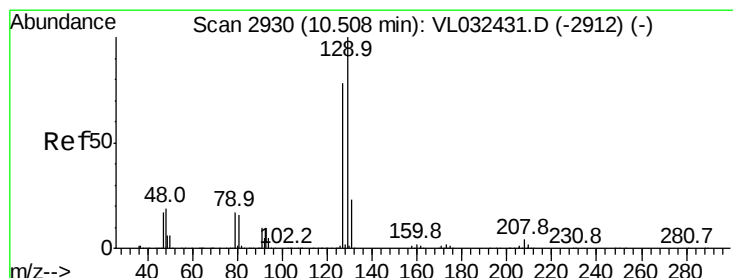
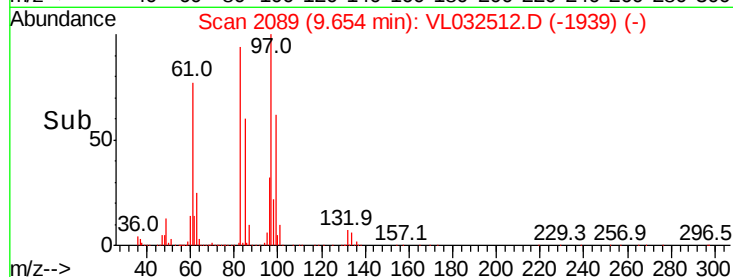
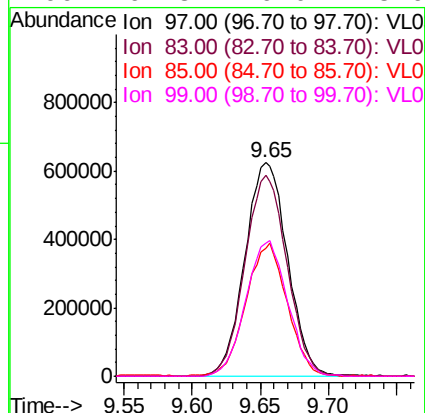
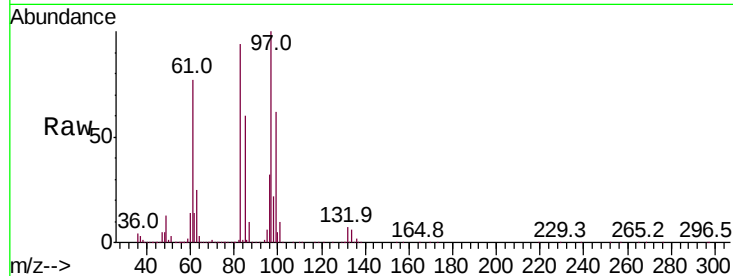


#47
 1,1,2-Trichloroethane
 Concen: 9.841 ppbv
 RT: 9.65 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1354751

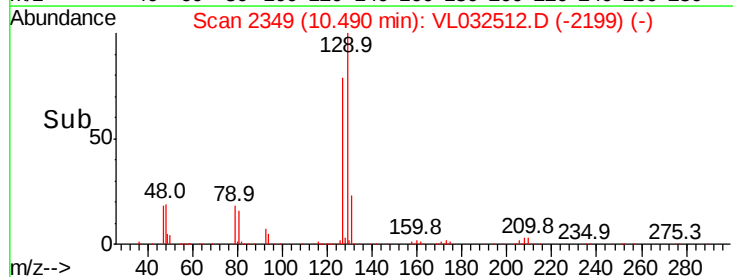
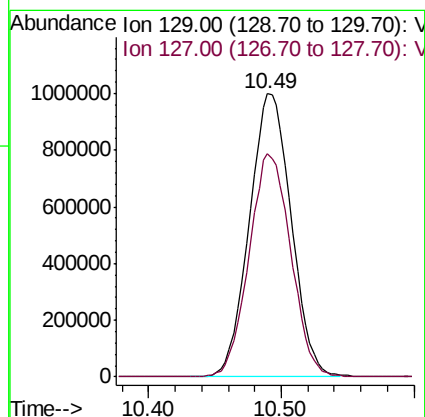
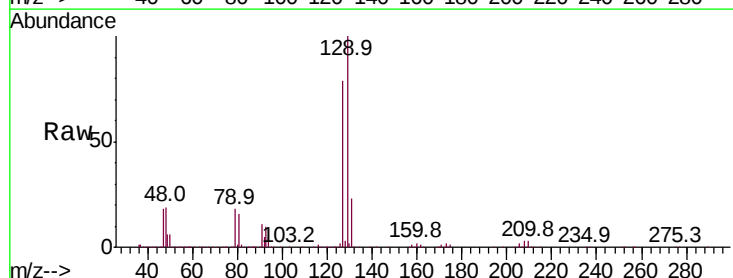
Ion	Ratio	Lower	Upper
97	100		
83	94.1	75.0	112.4
85	59.8	47.5	71.3
99	62.3	49.0	73.6

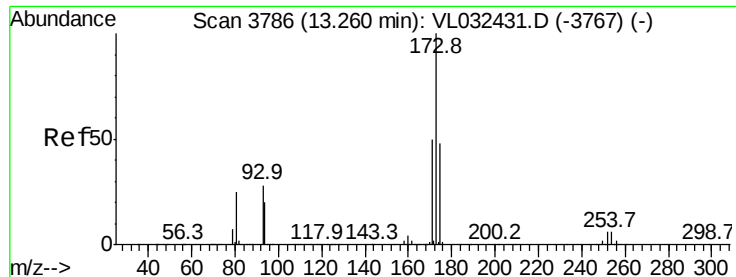


#48
 Dibromochloromethane
 Concen: 11.486 ppbv
 RT: 10.49 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion: 129 Resp: 2189958

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.5	118.3





#49

Bromoform

Concen: 9.933 ppbv

RT: 13.25 min Scan# 3206

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

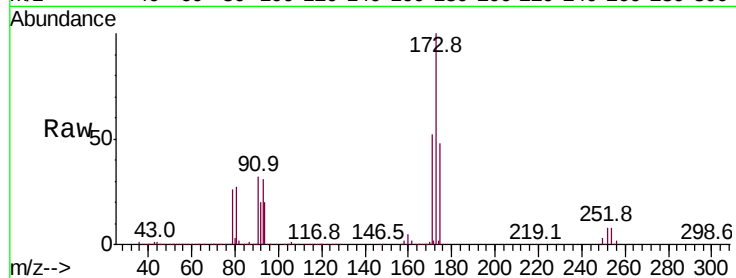
Tot Ion:173 Resp: 1646145

Ion Ratio Lower Upper

173 100

175 49.2 38.9 58.3

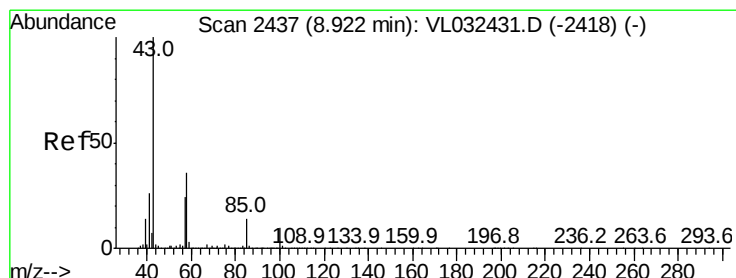
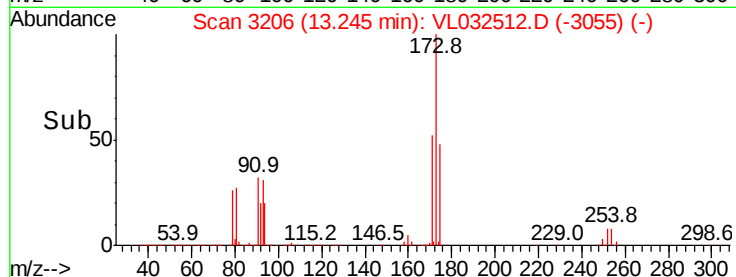
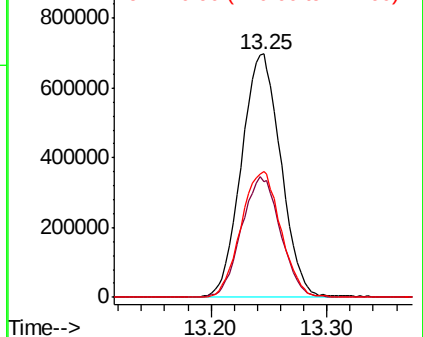
171 52.5 41.6 62.4



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: 9.673 ppbv

RT: 8.90 min Scan# 1856

Delta R.T. -0.02 min

Lab File: VL032512.D

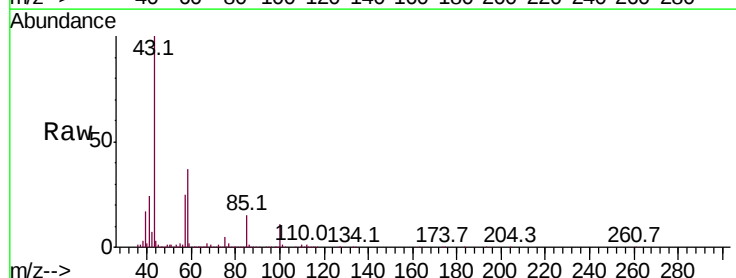
Acq: 20 Sep 2018 18:22

Tgt Ion: 43 Resp: 3442010

Ion Ratio Lower Upper

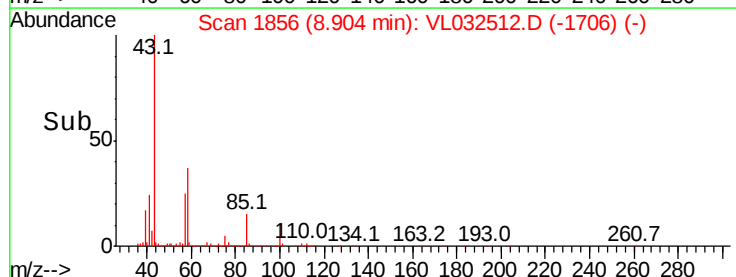
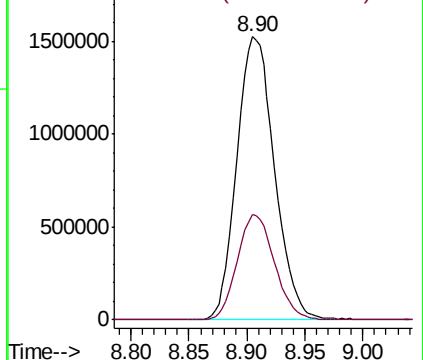
43 100

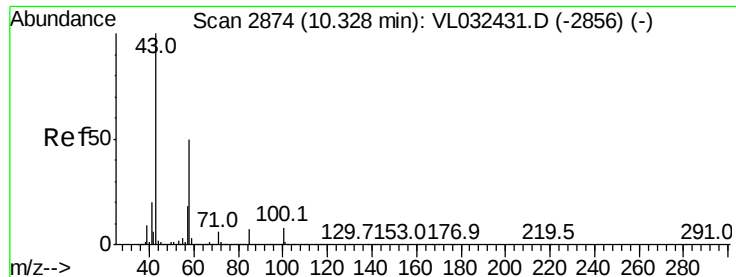
58 36.9 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 13.225 ppbv

RT: 10.31 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

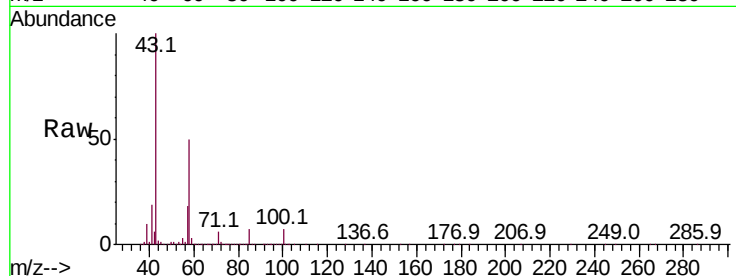
Tot Ion: 43 Resp: 3031295

Ion Ratio Lower Upper

43 100

58 49.8 39.2 58.8

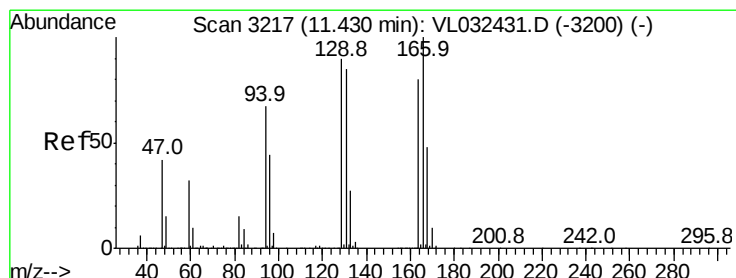
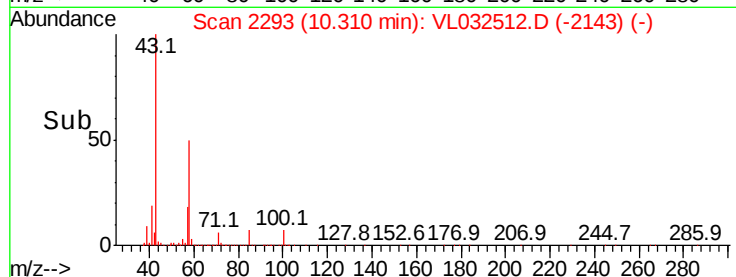
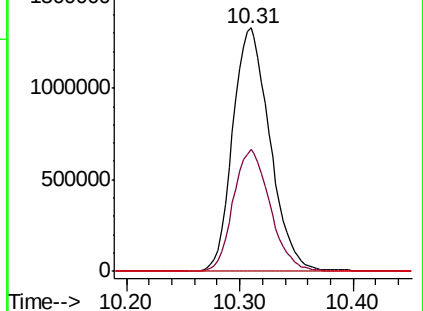
98 0.3 0.4 0.6#



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: 10.226 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion: 164 Resp: 959637

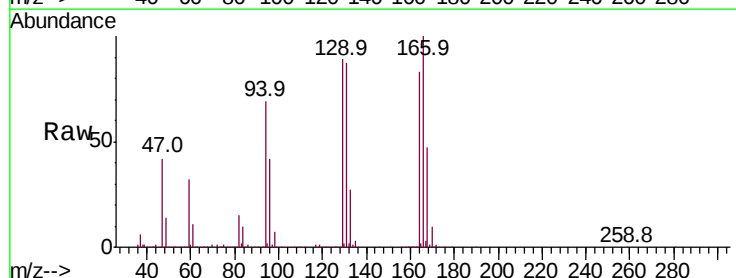
Ion Ratio Lower Upper

164 100

166 120.2 100.6 150.8

129 107.5 89.9 134.9

131 104.7 85.9 128.9

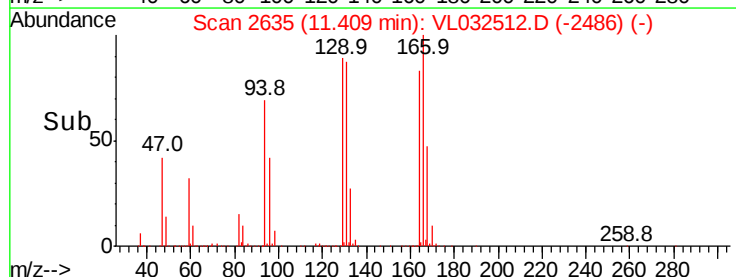
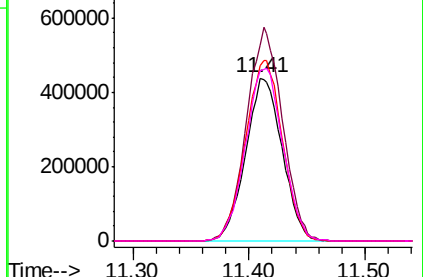


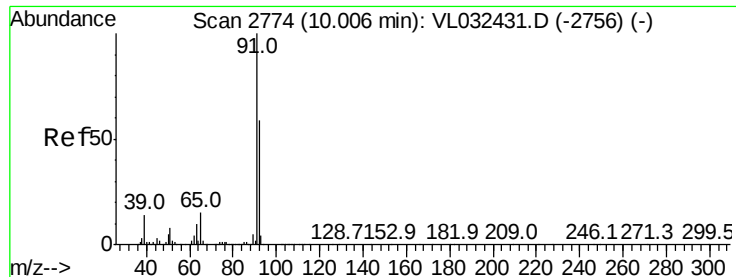
Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.203 ppbv

RT: 9.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

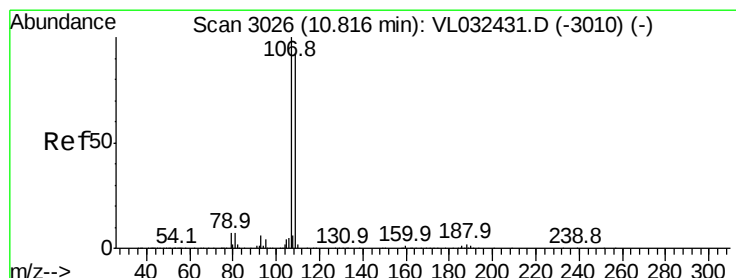
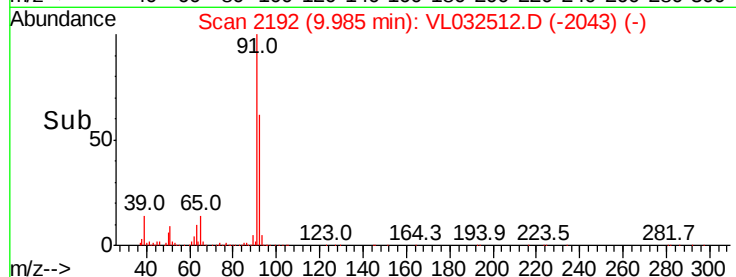
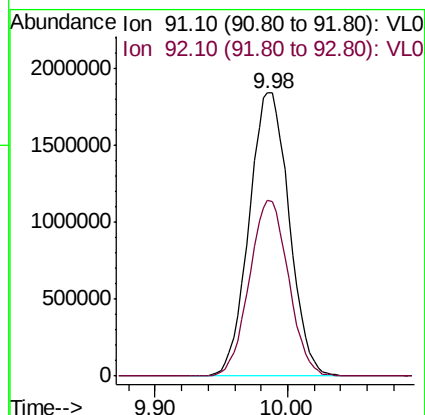
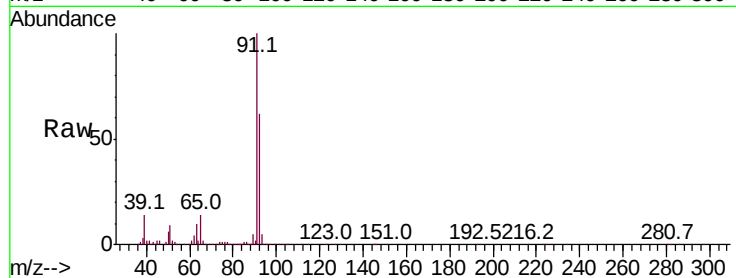
ClientSampleId :

Tot Ion: 91 Resp: 3860409

Ion Ratio Lower Upper

91 100

92 60.9 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.910 ppbv

RT: 10.80 min Scan# 2445

Delta R.T. -0.02 min

Lab File: VL032512.D

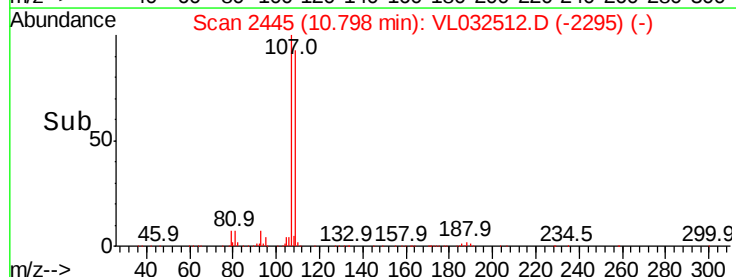
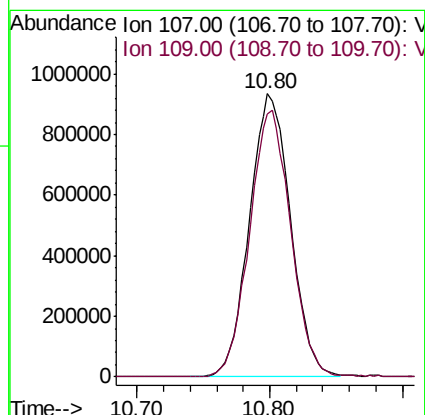
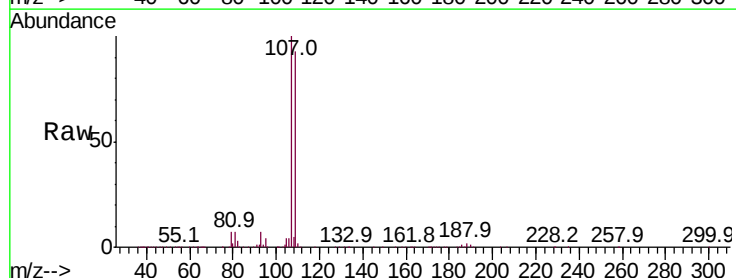
Acq: 20 Sep 2018 18:22

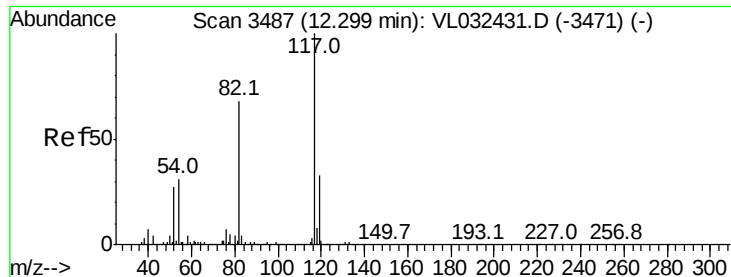
Tgt Ion: 107 Resp: 2016588

Ion Ratio Lower Upper

107 100

109 93.1 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

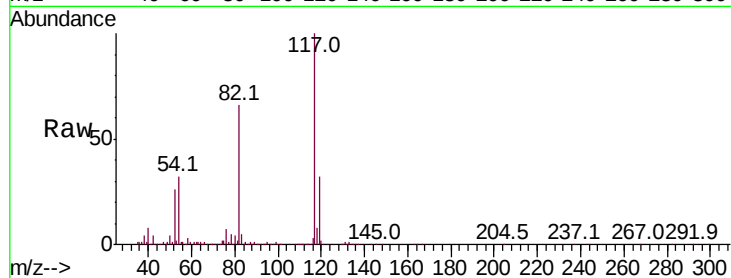
Tot Ion:117 Resp: 4442121

Ion Ratio Lower Upper

117 100

82 54.6 53.0 79.6

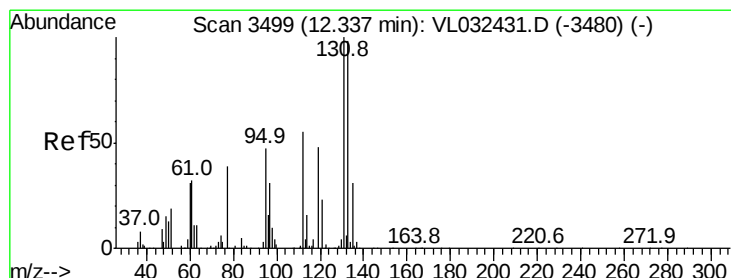
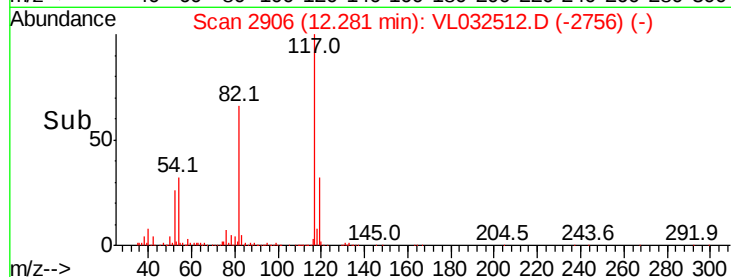
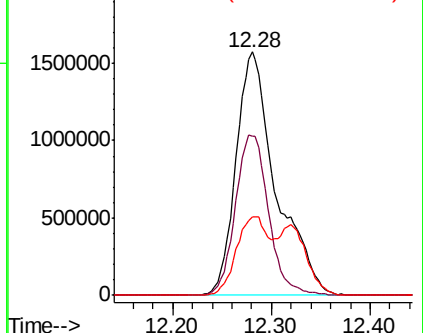
119 25.2 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.253 ppbv

RT: 12.32 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

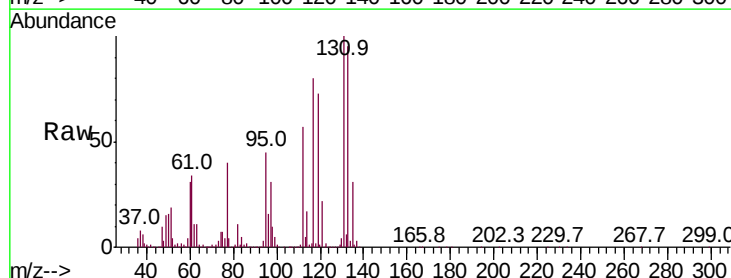
Tgt Ion:131 Resp: 1452459

Ion Ratio Lower Upper

131 100

133 94.6 77.0 115.4

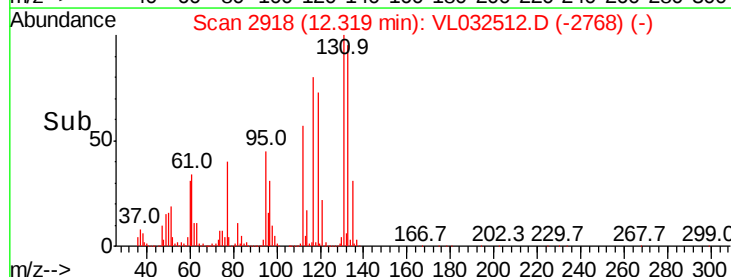
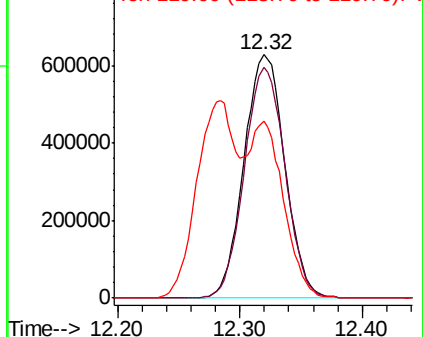
119 61.2 114.2 171.2#

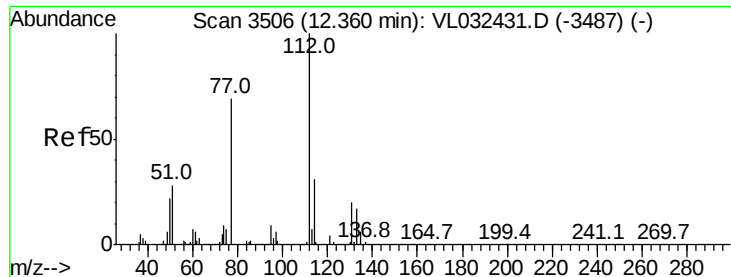


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

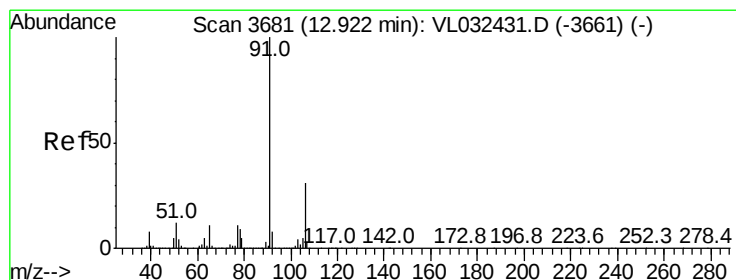
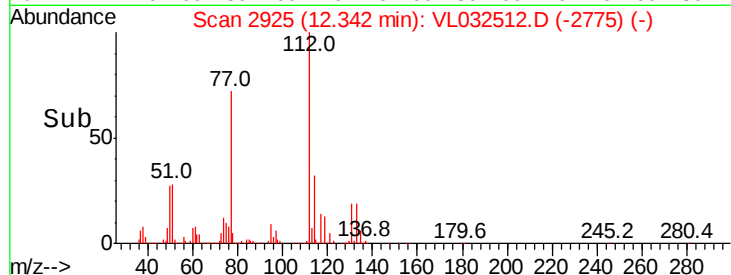
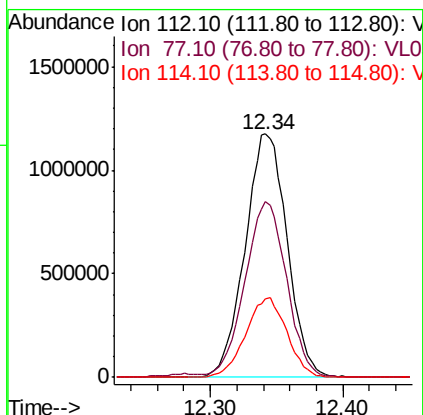
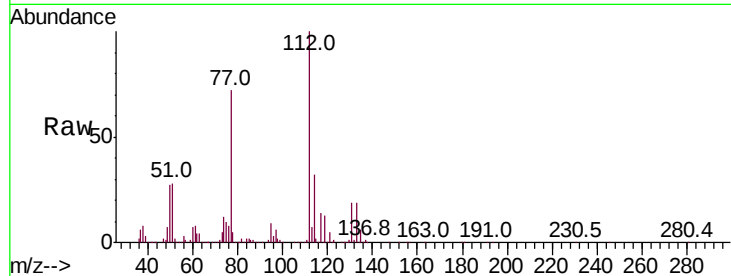




#57
Chlorobenzene
Concen: 7.310 ppbv
RT: 12.34 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

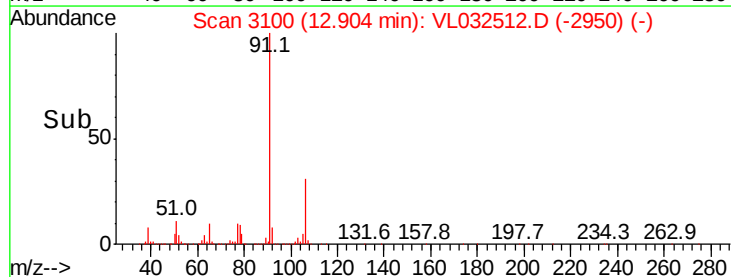
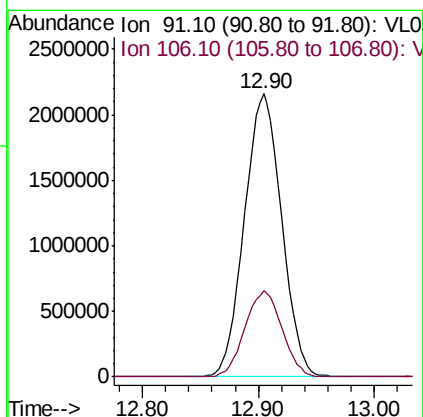
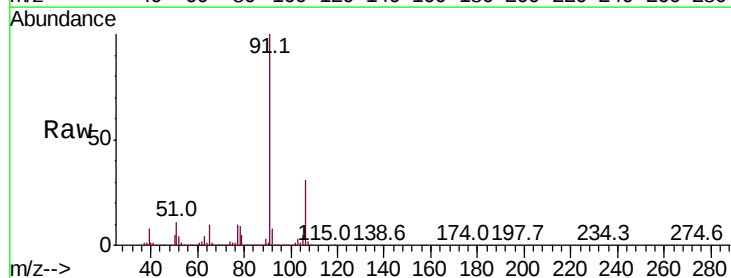
Instrument :
MSVOA_L
ClientSampled :

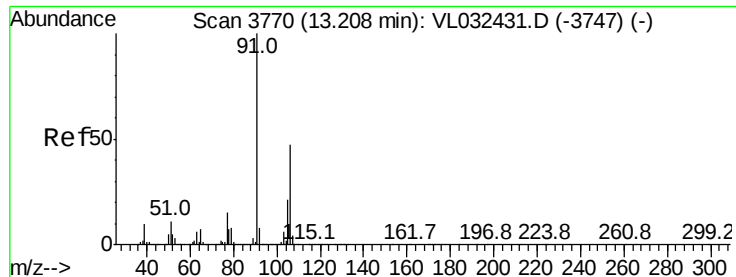
Tot Ion:112 Resp: 2595130
Ion Ratio Lower Upper
112 100
77 71.9 56.1 84.1
114 32.1 27.8 34.0



#58
Ethyl Benzene
Concen: 9.081 ppbv
RT: 12.90 min Scan# 3100
Delta R.T. -0.02 min
Lab File: VL032512.D
Acq: 20 Sep 2018 18:22

Tgt Ion: 91 Resp: 4827528
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2





#59

m/p-Xylene

Concen: 8.589 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

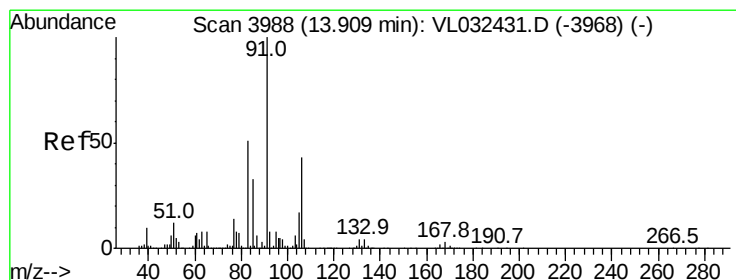
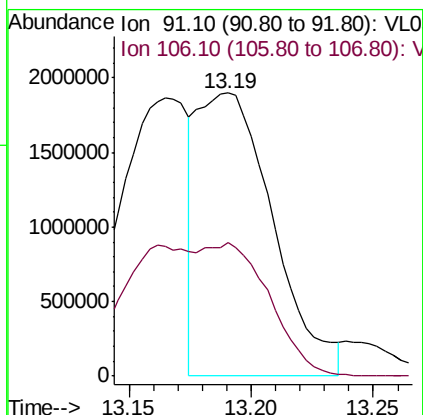
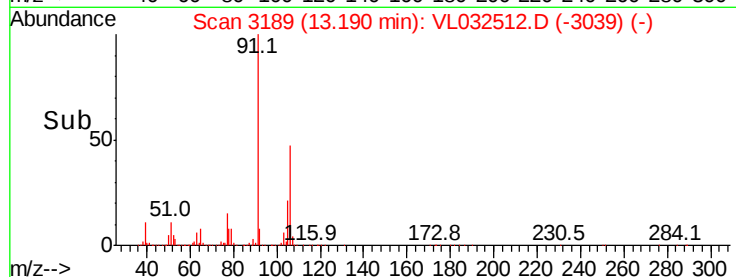
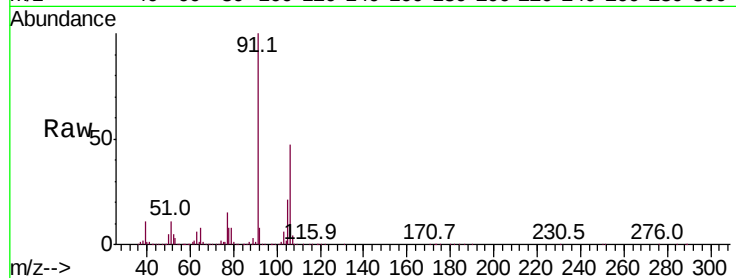
ClientSampled :

Tot Ion: 91 Resp: 4070515

Ion Ratio Lower Upper

91 100

106 87.3 36.6 55.0#



#60

o-Xylene

Concen: 8.087 ppbv

RT: 13.89 min Scan# 3407

Delta R.T. -0.02 min

Lab File: VL032512.D

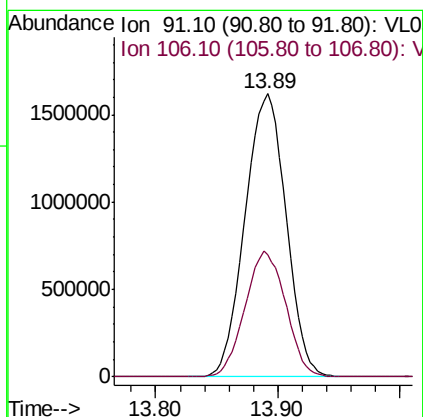
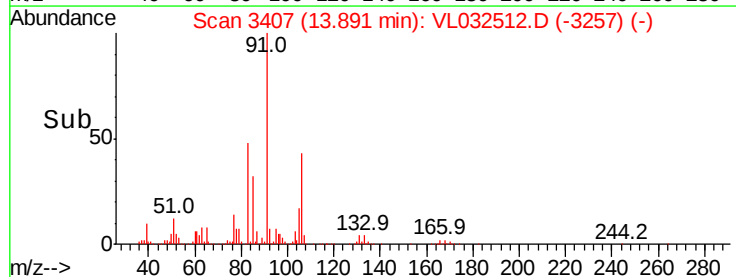
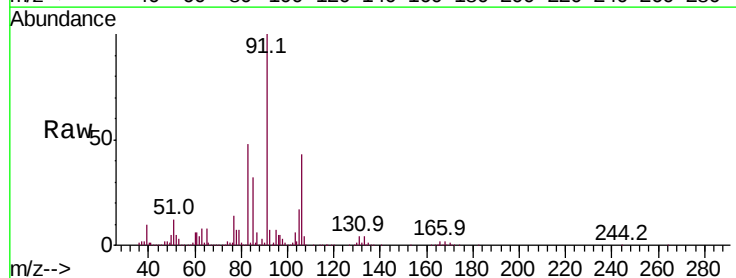
Acq: 20 Sep 2018 18:22

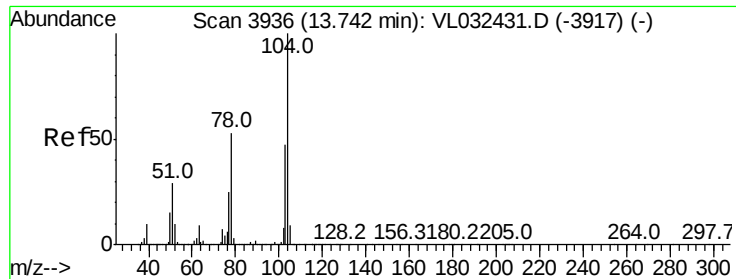
Tgt Ion: 91 Resp: 3764832

Ion Ratio Lower Upper

91 100

106 44.0 21.9 65.7





#61

Stvrene

Concen: 9.440 ppbv

RT: 13.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

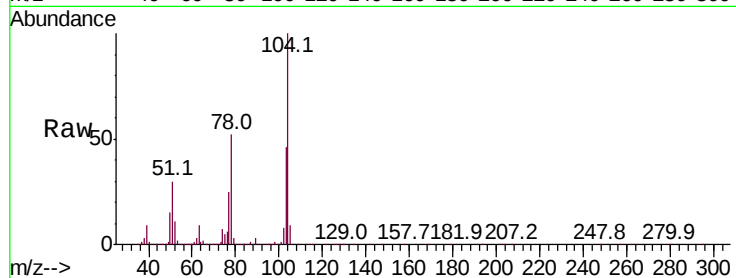
Tot Ion:104 Resp: 2845173

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.8

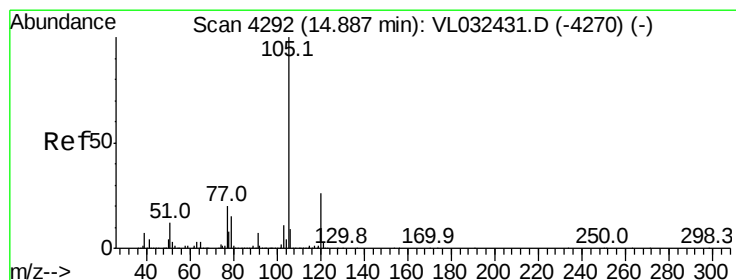
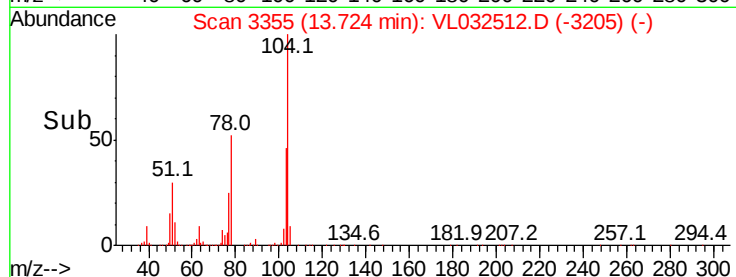
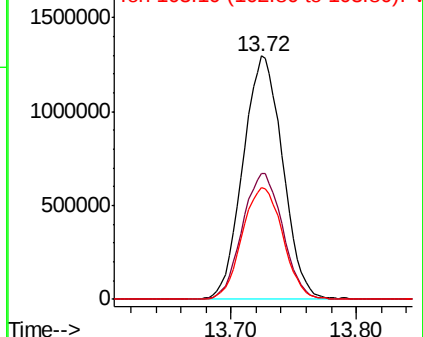
103 47.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.171 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032512.D

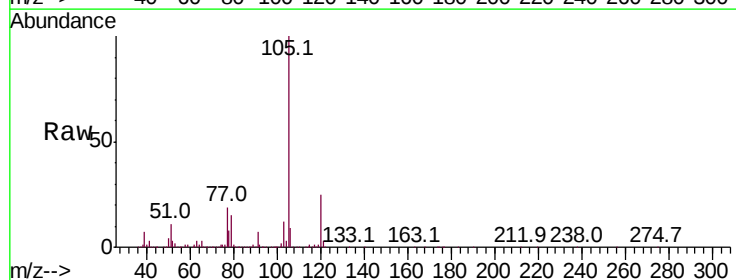
Acq: 20 Sep 2018 18:22

Tgt Ion:105 Resp: 5347442

Ion Ratio Lower Upper

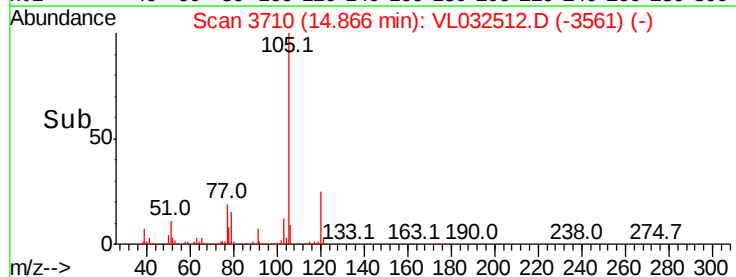
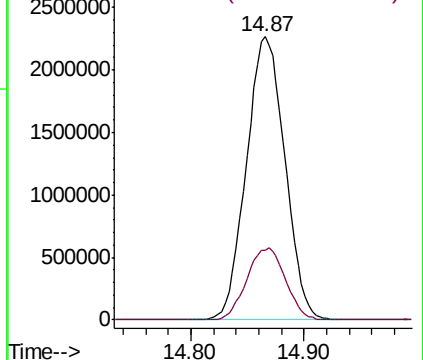
105 100

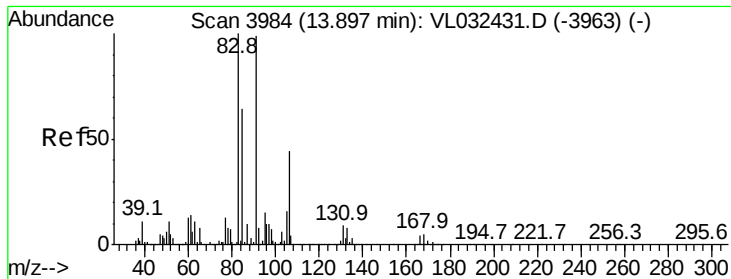
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.717 ppbv

RT: 13.88 min Scan# 3402

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

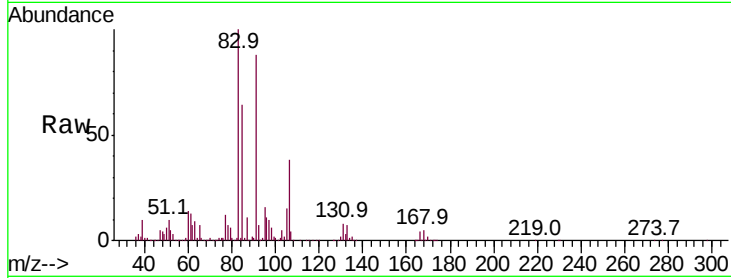
Tot Ion: 83 Resp: 2795980

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.9	32.3	96.8

83 100

131 8.5 4.3 12.8

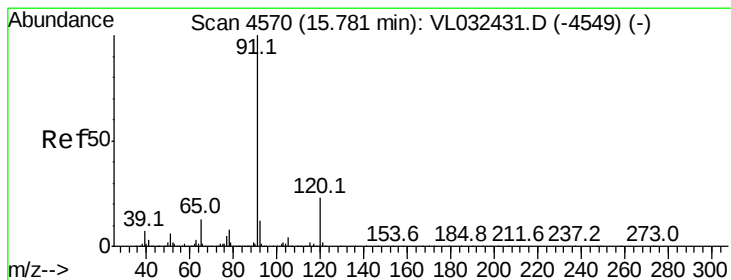
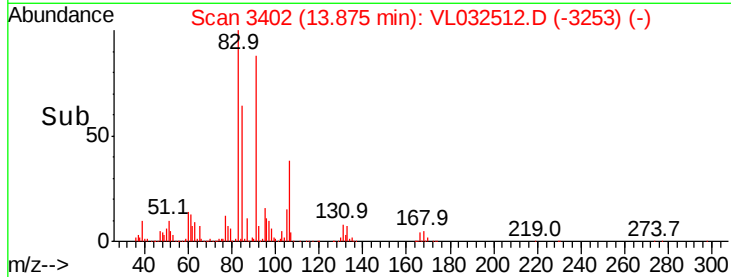
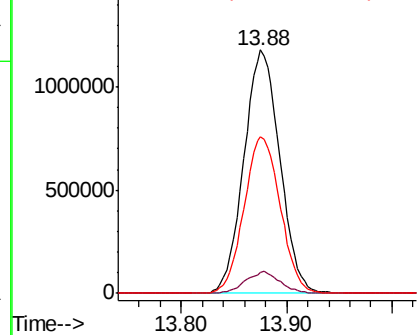
85 64.9 32.3 96.8



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: 7.971 ppbv

RT: 15.76 min Scan# 3988

Delta R.T. -0.02 min

Lab File: VL032512.D

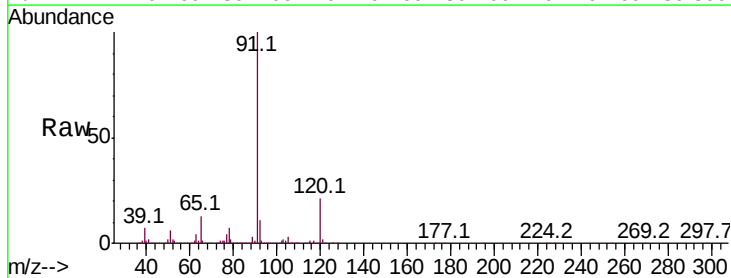
Acq: 20 Sep 2018 18:22

Tgt Ion: 120 Resp: 1363653

Ion	Ratio	Lower	Upper
120	100		
91	486.2	381.8	572.6

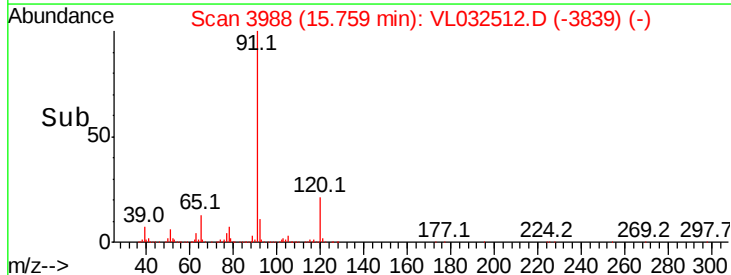
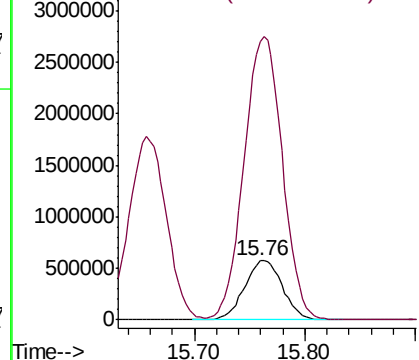
120 100

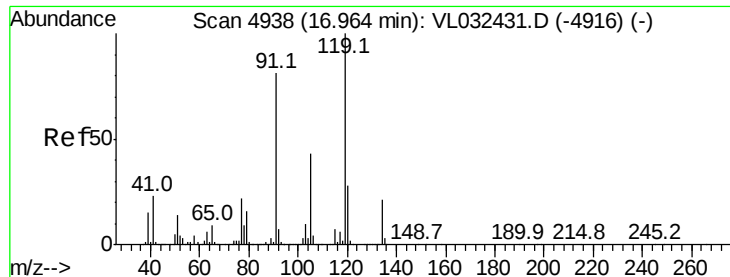
91 486.2 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.810 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

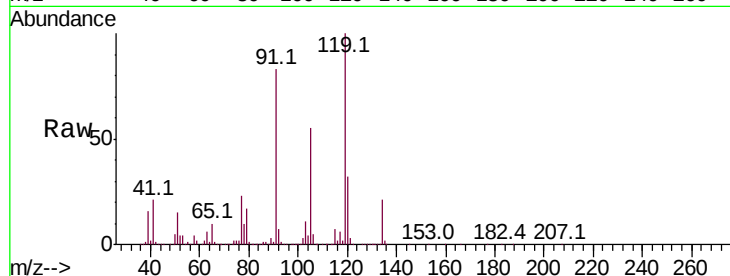
Tot Ion:119 Resp: 4404225

Ion Ratio Lower Upper

119 100

91 83.3 66.5 99.7

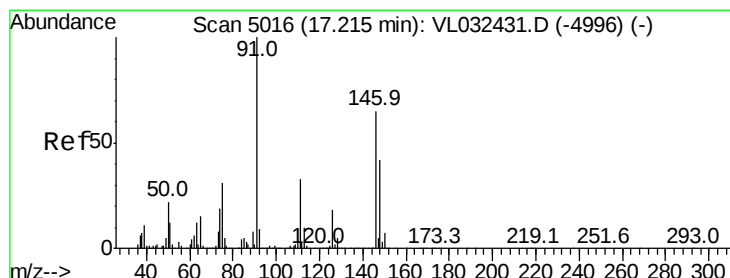
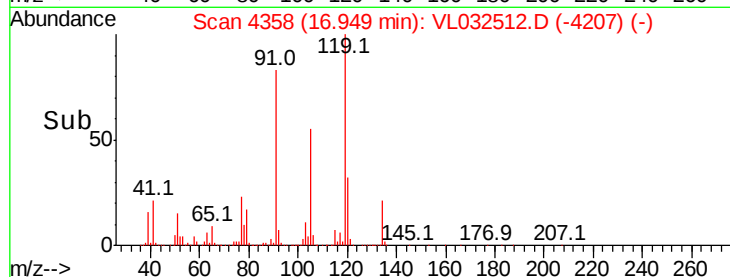
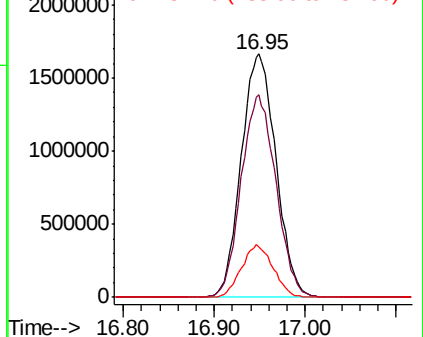
134 19.8 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.525 ppbv

RT: 17.19 min Scan# 4434

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

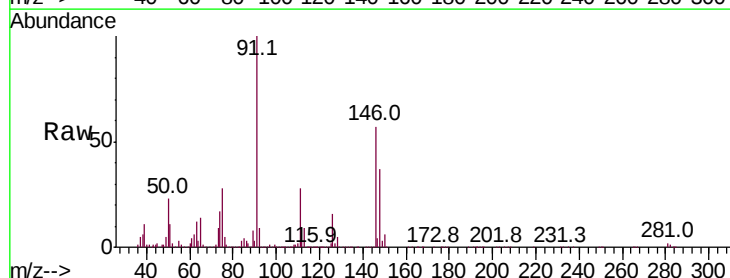
Tgt Ion: 91 Resp: 2678275

Ion Ratio Lower Upper

91 100

126 17.4 13.8 20.8

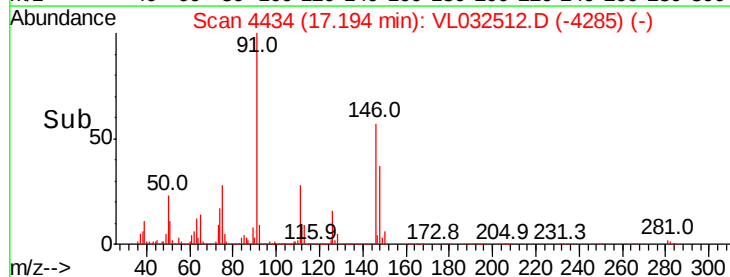
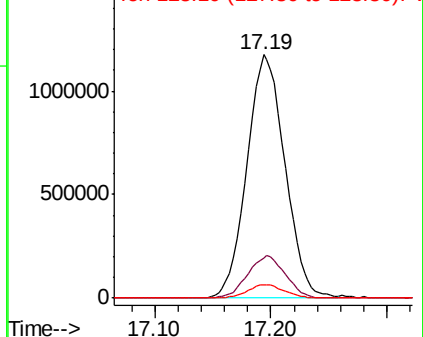
128 5.5 4.4 6.6

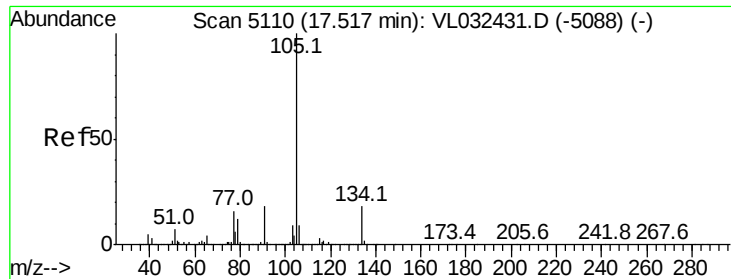


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.663 ppbv

RT: 17.50 min Scan# 4529

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

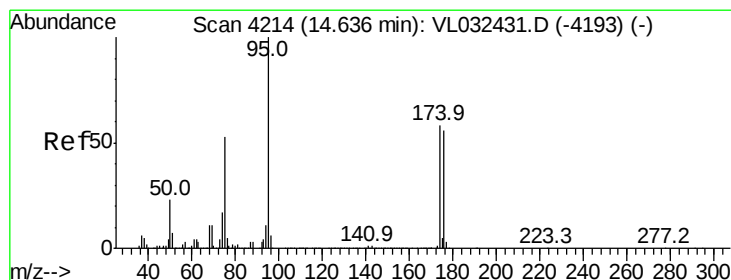
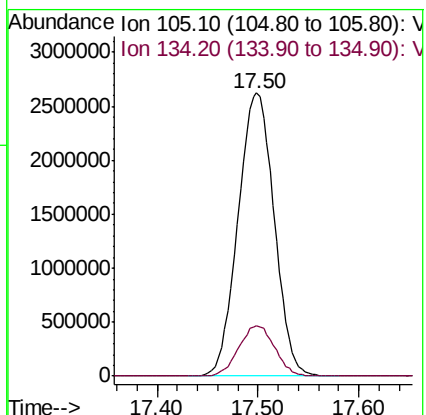
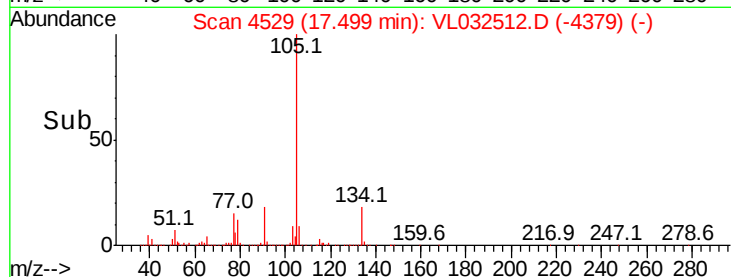
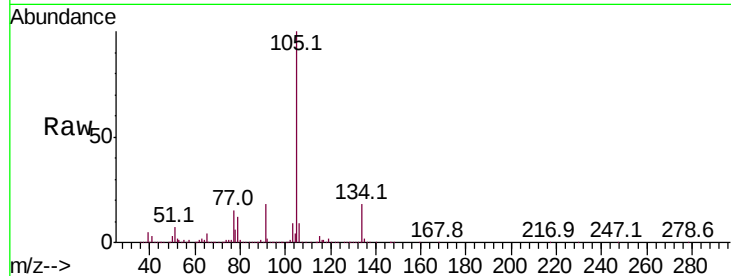
ClientSampleId :

Tot Ion:105 Resp: 6498771

Ion Ratio Lower Upper

105 100

134 17.8 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 8.345 ppbv

RT: 14.61 min Scan# 3632

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

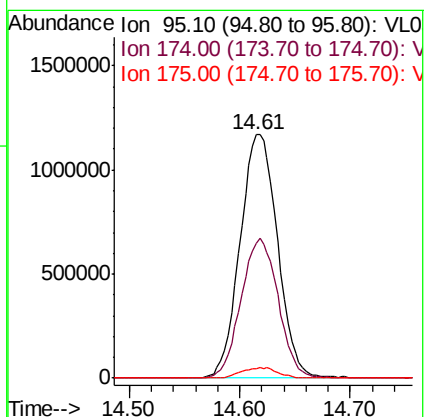
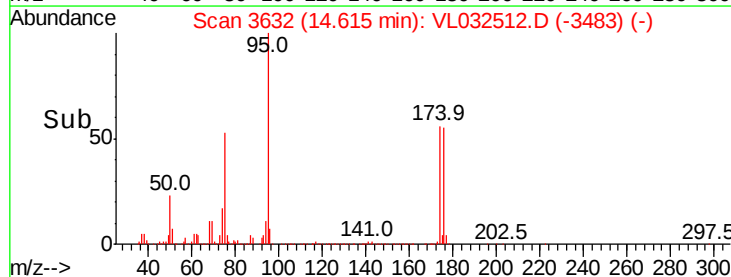
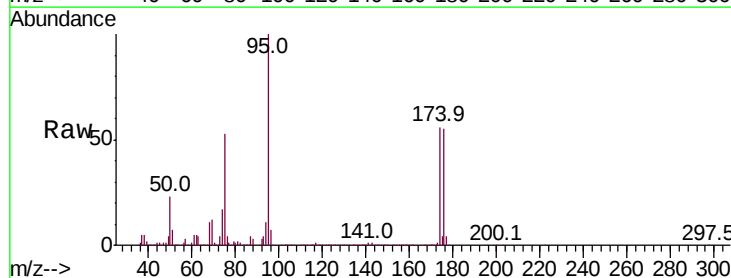
Tgt Ion: 95 Resp: 2752289

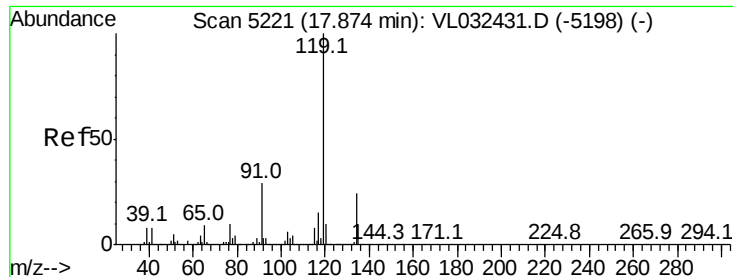
Ion Ratio Lower Upper

95 100

174 57.4 46.3 69.5

175 4.3 3.4 5.0

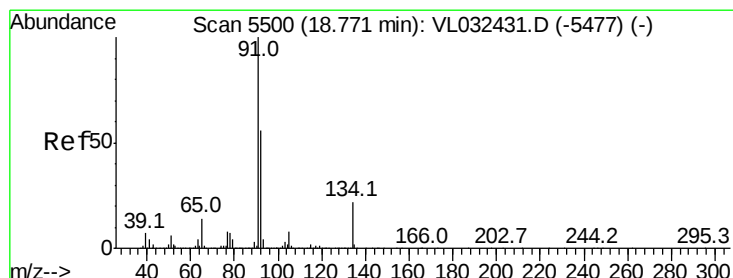
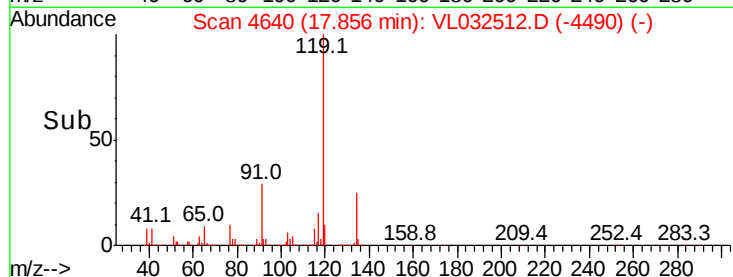
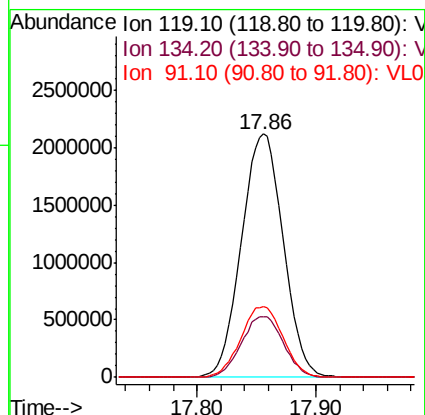
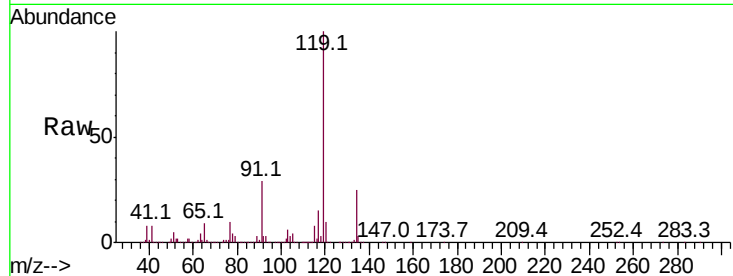




#69
 p-Isopropyltoluene
 Concen: 7.836 ppbv
 RT: 17.86 min Scan# 4640
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

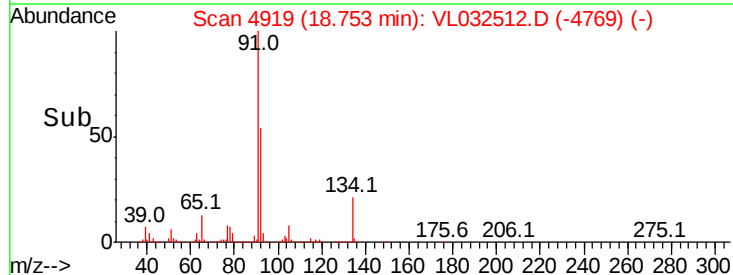
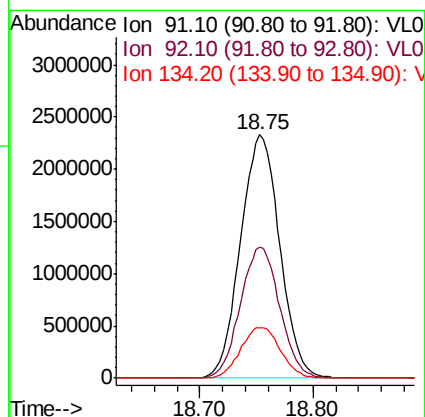
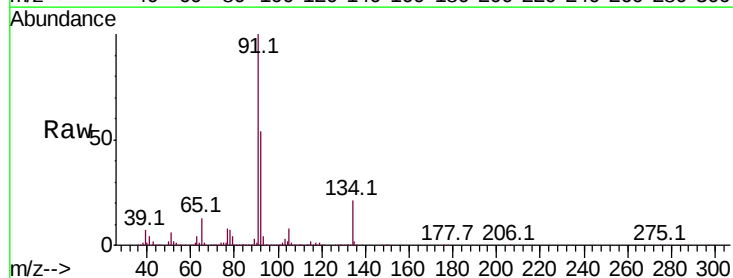
Instrument :
 MSVOA_L
 ClientSampleId :

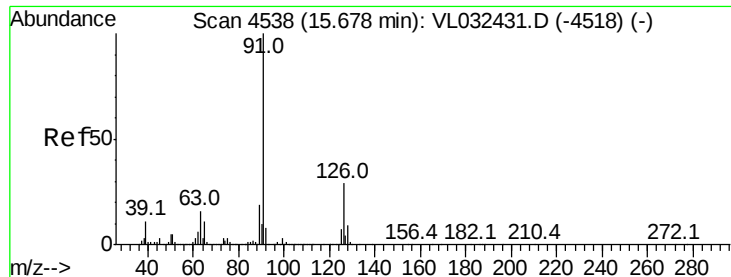
Tot Ion:119 Resp: 5150288
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.4 30.6
 91 29.3 23.4 35.2



#70
 n-Butylbenzene
 Concen: 7.500 ppbv
 RT: 18.75 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion: 91 Resp: 5587805
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.8 65.8
 134 21.3 17.4 26.0

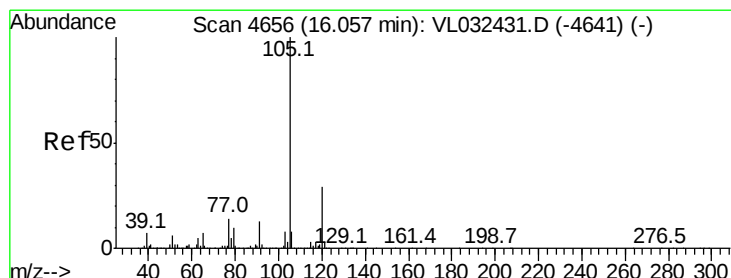
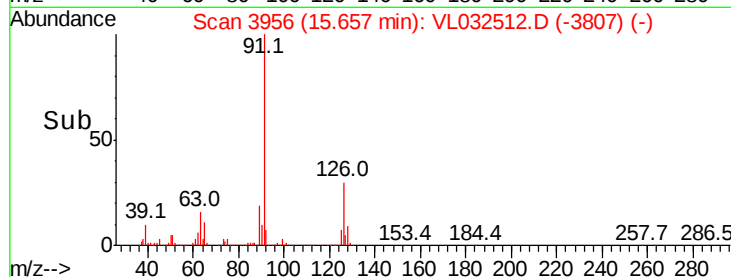
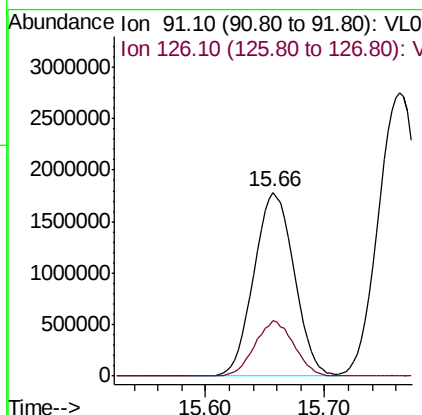
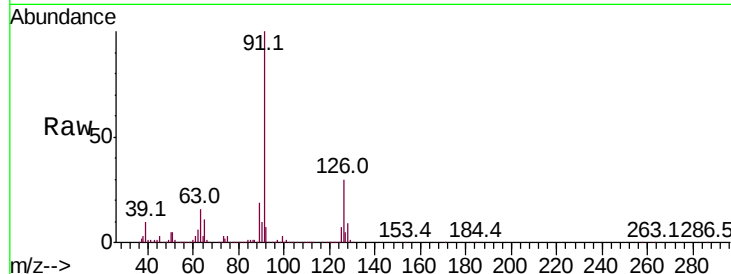




#71
 2-Chlorotoluene
 Concen: 8.364 ppbv
 RT: 15.66 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

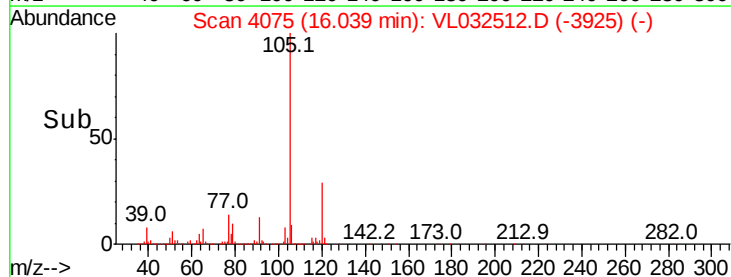
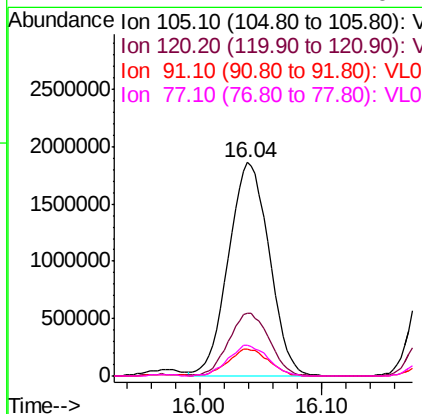
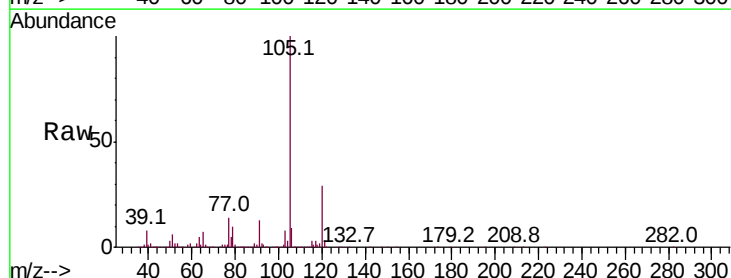
Instrument :
 MSVOA_L
 ClientSampleId :

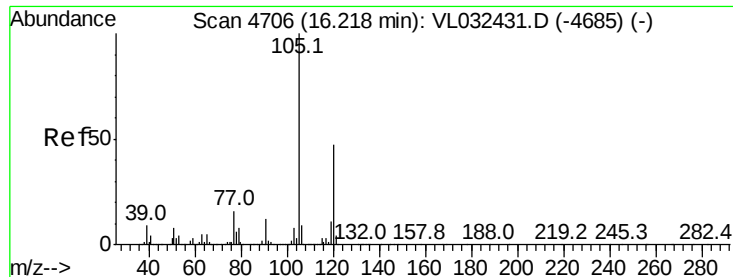
Tot Ion: 91 Resp: 4181525
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 8.482 ppbv
 RT: 16.04 min Scan# 4075
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion:105 Resp: 4311167
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.5 35.3
 91 12.5 10.2 15.2
 77 14.2 11.1 16.7

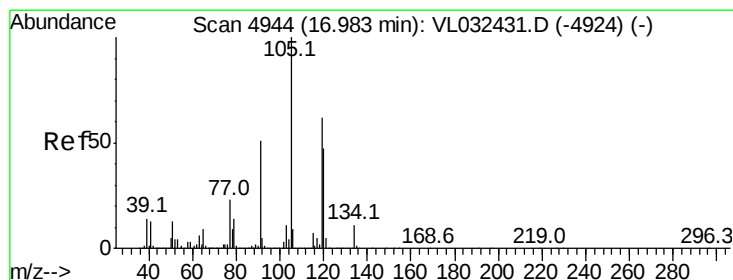
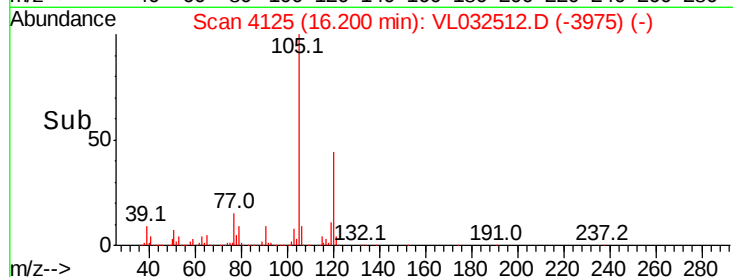
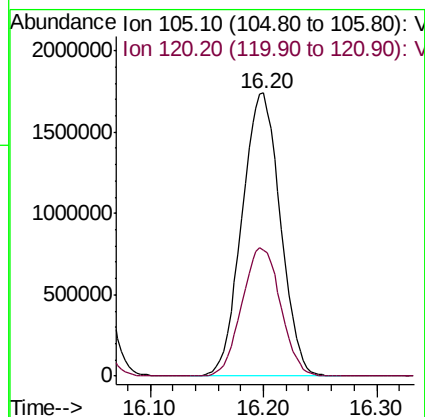
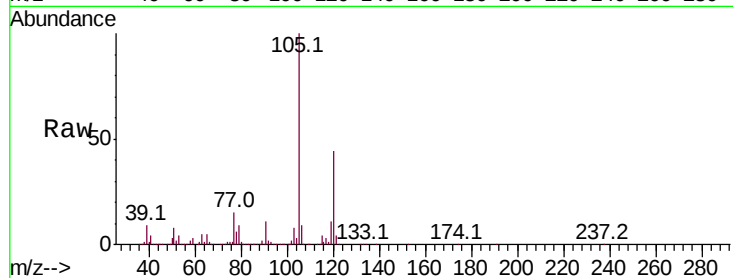




#73
 1,3,5-Trimethylbenzene
 Concen: 8.043 ppbv
 RT: 16.20 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

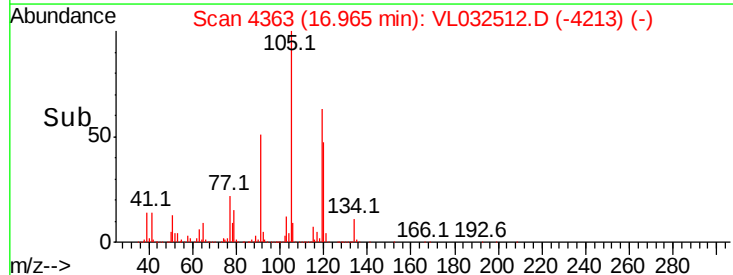
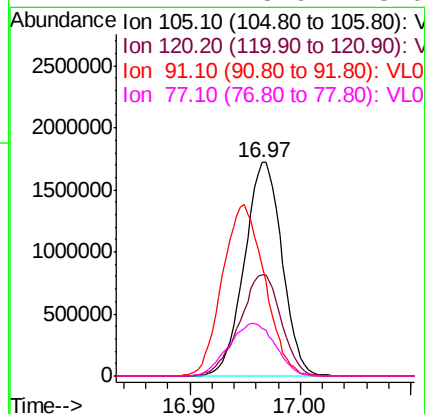
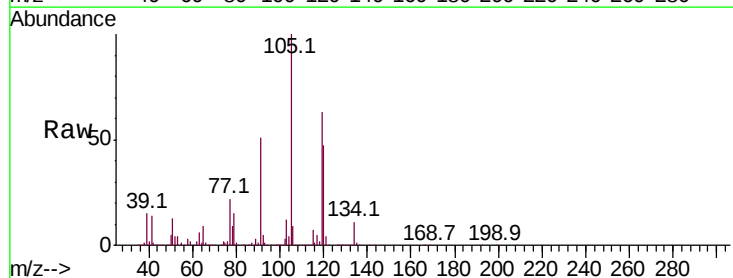
Instrument :
 MSVOA_L
 ClientSampleId :

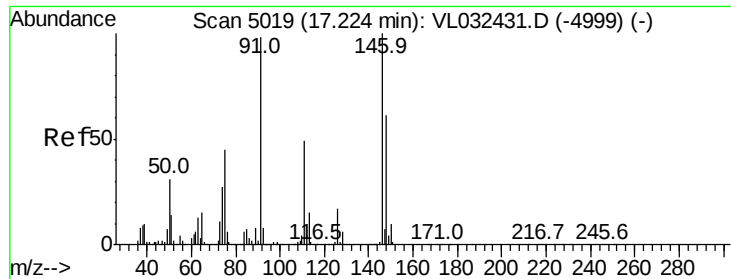
Tot Ion:105 Resp: 4095785
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 7.303 ppbv
 RT: 16.97 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion:105 Resp: 4065751
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.8 56.8
 91 51.2 41.4 62.0
 77 22.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 6.792 ppbv

RT: 17.21 min Scan# 4438

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Instrument :

MSVOA_L

ClientSampleId :

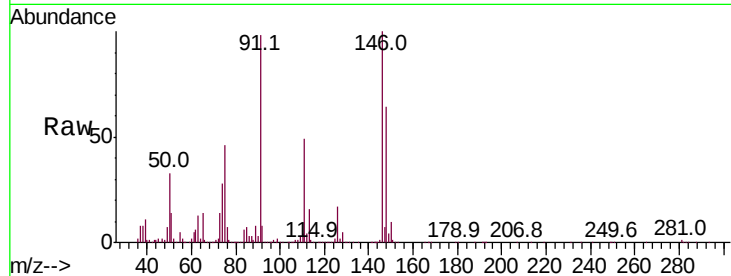
Tot Ion:146 Resp: 2243575

Ion Ratio Lower Upper

146 100

111 48.3 24.5 73.5

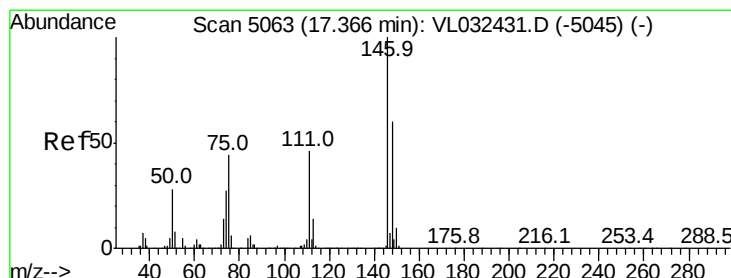
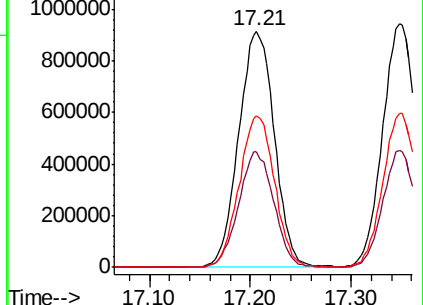
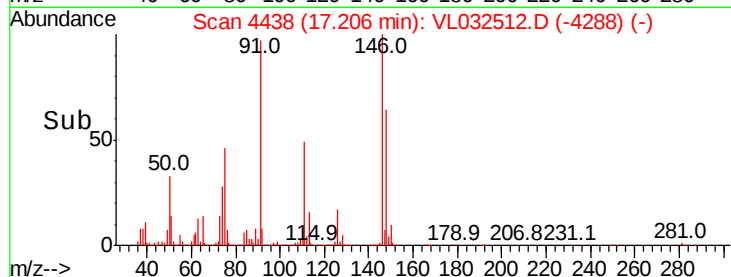
148 63.5 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.243 ppbv

RT: 17.35 min Scan# 4482

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

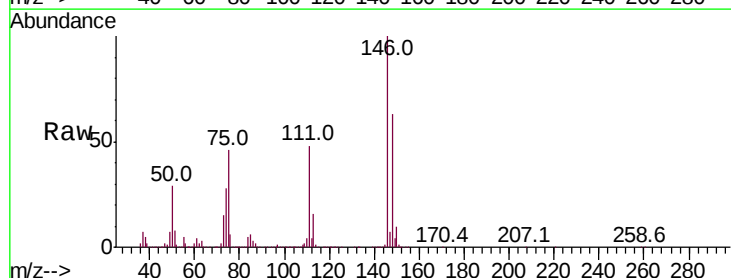
Tgt Ion:146 Resp: 2220005

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.2

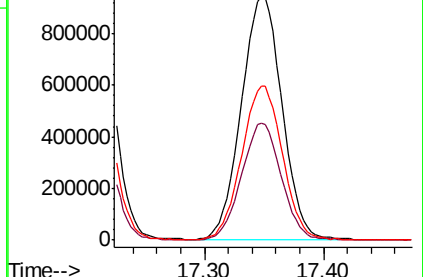
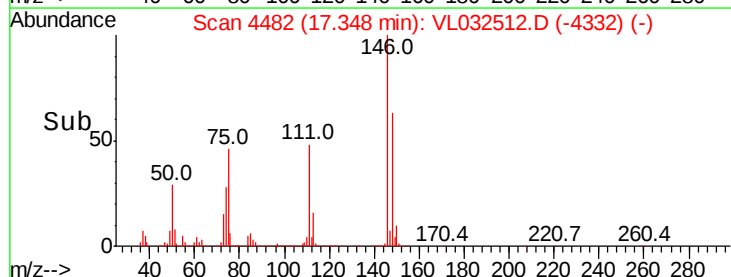
148 63.8 32.0 96.2

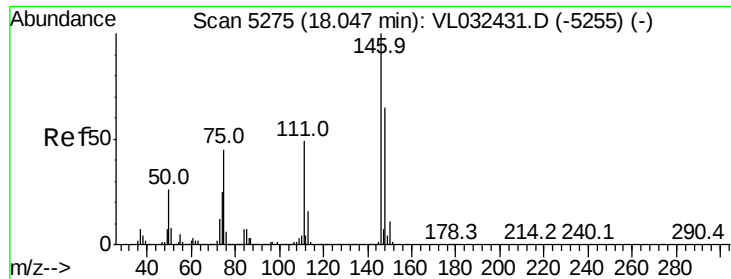


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

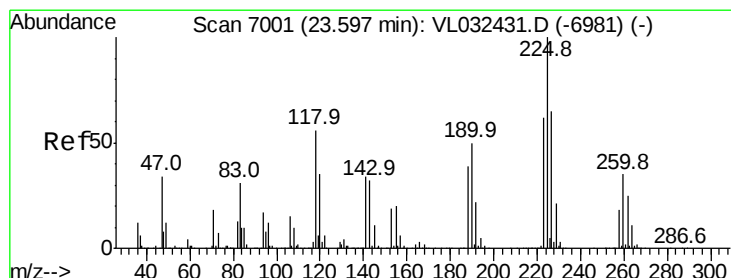
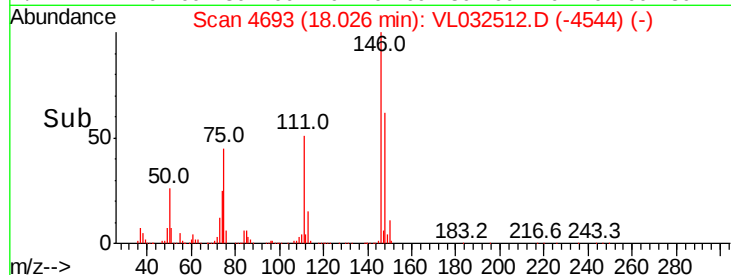
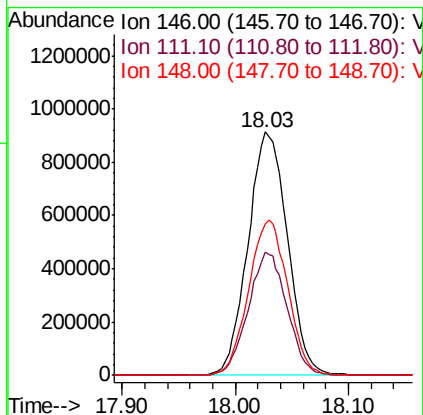
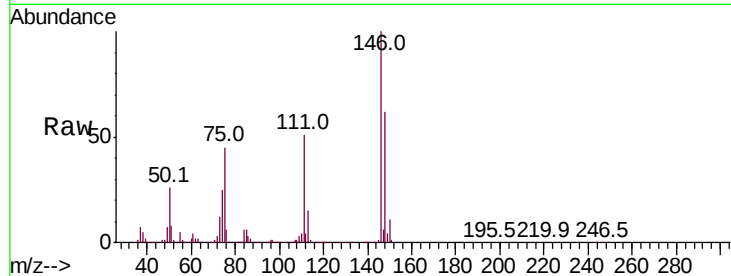




#77
 1,2-Dichlorobenzene
 Concen: 6.934 ppbv
 RT: 18.03 min Scan# 4693
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

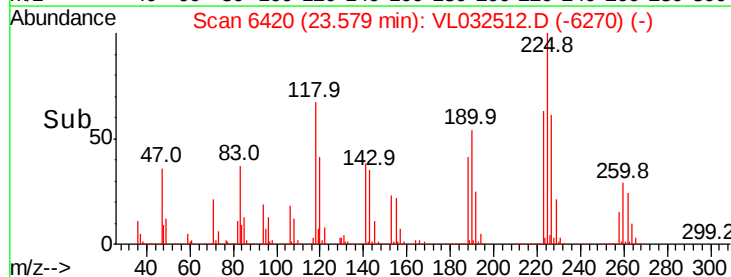
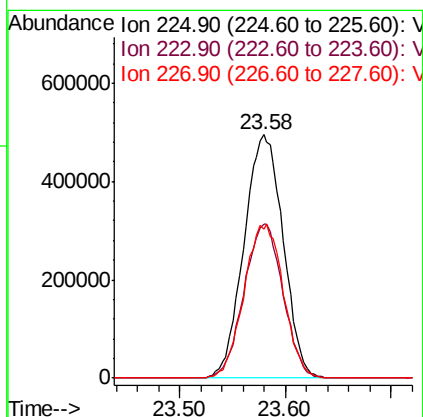
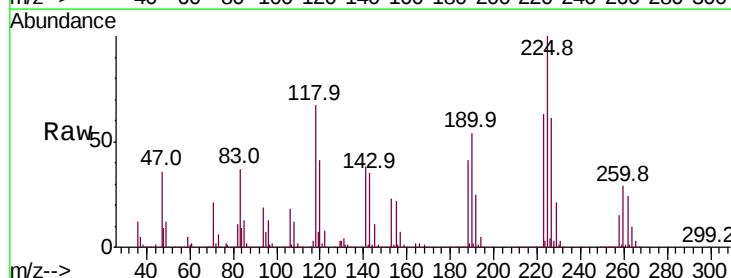
Instrument :
 MSVOA_L
 ClientSampleId :

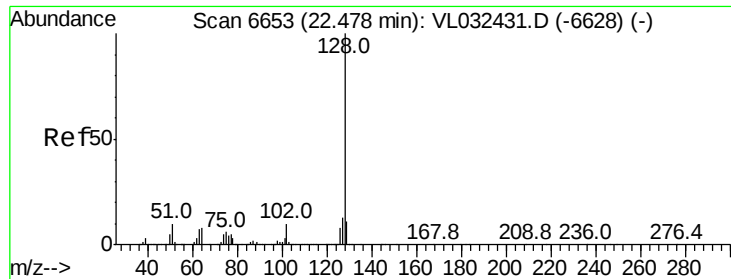
Tot Ion:146 Resp: 2209937
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.9 74.8
 148 63.7 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.733 ppbv
 RT: 23.58 min Scan# 6420
 Delta R.T. -0.02 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Tgt Ion:225 Resp: 1278073
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.6 76.0
 227 63.5 51.2 76.8





#79

Naphthalene

Concen: 7.598 ppbv

RT: 22.45 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

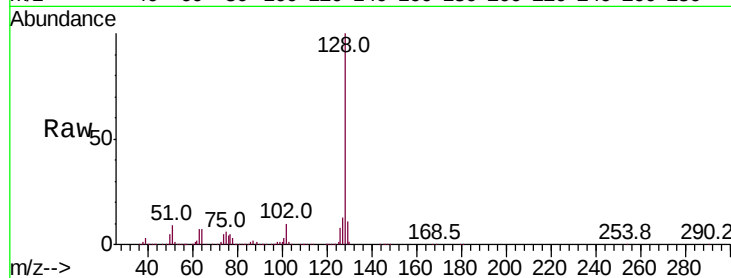
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3439607

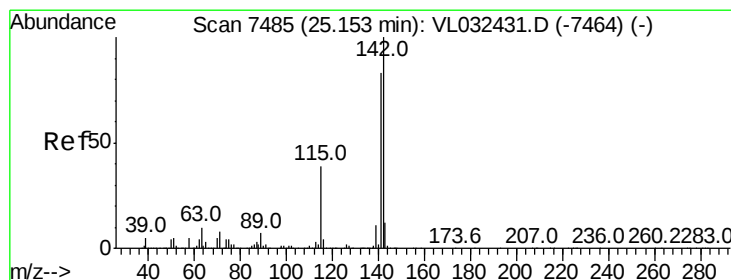
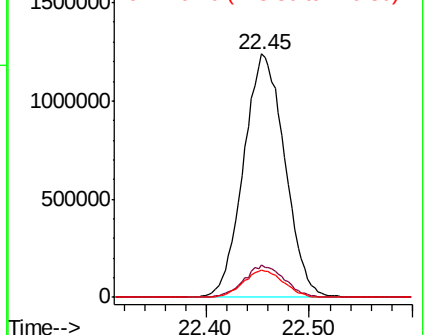
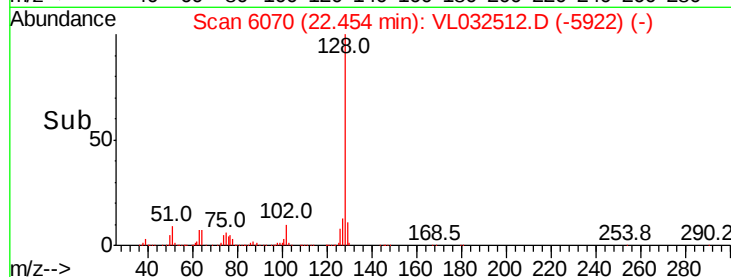
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.2	8.5	12.7



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: 9.561 ppbv

RT: 25.14 min Scan# 6906

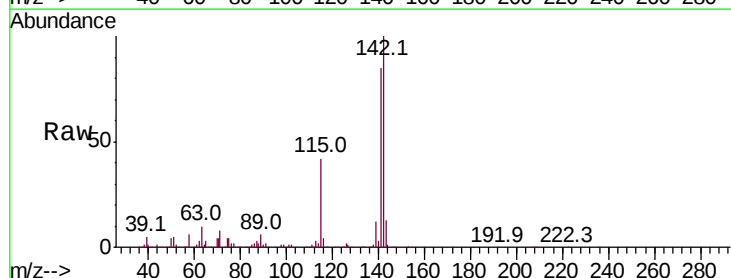
Delta R.T. -0.01 min

Lab File: VL032512.D

Acq: 20 Sep 2018 18:22

Tgt Ion:142 Resp: 1151697

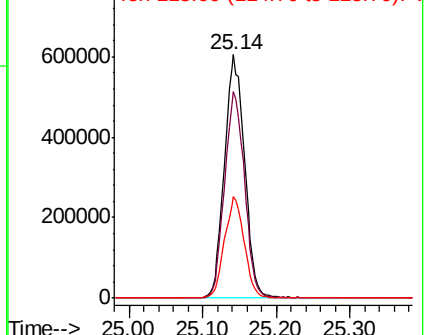
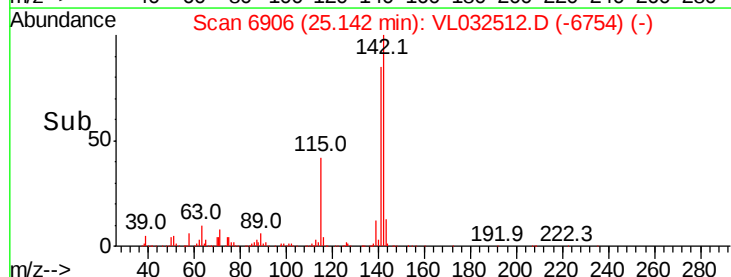
Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	40.5	31.3	46.9

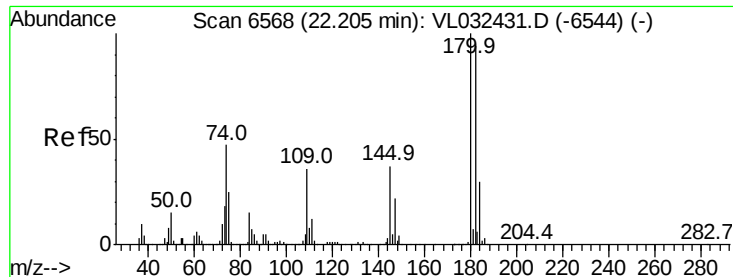


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 3.782 ppbv
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032512.D
 Acq: 20 Sep 2018 18:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	23.8	35.8#

