

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032328.D
 Acq On : 1 Aug 2018 16:50
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 02 00:46:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1867336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4770054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	5789121	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3770815	8.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.12	85	1746886	7.756	ppbv 100
3) Chlorodifluoromethane	3.05	51	1808966	9.688	ppbv 99
4) Chloromethane	3.21	50	1091011	9.651	ppbv 99
5) Vinyl Chloride	3.34	62	1008233	9.810	ppbv 97
6) Bromomethane	3.56	94	547969	9.712	ppbv 95
7) Chloroethane	3.65	64	367573	10.058	ppbv 99
8) Dichlorotetrafluoroethane	3.26	85	2060606	9.059	ppbv 99
9) Propene	3.08	41	887321	10.570	ppbv 99
10) Heptane	8.32	43	3011997	10.221	ppbv 100
11) Trichlorofluoromethane	4.06	101	2035243	9.460	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1383985	9.423	ppbv 100
13) Ethanol	3.70	45	226874	9.404	ppbv 99
14) Bromoethene	3.84	108	654060	10.144	ppbv 99
15) Acetone	3.95	43	1811083	10.291	ppbv 99
16) 1,3-Butadiene	3.41	39	859188	9.416	ppbv 99
17) tert-Butyl alcohol	4.42	59	550270	9.837	ppbv 100
18) 1,1-Dichloroethene	4.41	96	666477	9.780	ppbv 97
19) Isopropyl Alcohol	4.08	45	1299052	11.062	ppbv 99
20) Methylene Chloride	4.47	84	621621	8.787	ppbv 98
21) Allyl Chloride	4.54	41	1240424	10.331	ppbv 98
22) trans-1,2-Dichloroethene	5.03	96	701039	10.669	ppbv 99
23) Vinyl Acetate	5.22	43	3374550	10.689	ppbv 99
24) 1,1-Dichloroethane	5.15	63	2155057	9.516	ppbv 100
25) Ethyl Acetate	5.84	43	3759380	9.519	ppbv 100
26) Hexane	5.85	57	1709293	9.565	ppbv 99
27) Carbon Disulfide	4.68	76	1712448	10.540	ppbv 98
28) Methyl tert-Butyl Ether	5.18	73	2570952	10.636	ppbv 100
29) Chloroform	5.92	83	2441379	9.392	ppbv 100
30) Cyclohexane	7.32	84	1738071	12.465	ppbv 99
31) cis-1,2-Dichloroethene	5.71	61	1748243	10.551	ppbv 98
32) 1,1,1-Trichloroethane	6.69	97	2430318	10.564	ppbv 100
34) 2-Butanone	5.39	43	2618748	8.482	ppbv 100
35) Carbon Tetrachloride	7.21	117	2846086	10.504	ppbv 99
36) Benzene	7.08	78	3576454	8.506	ppbv 100
37) 1,2-Dichloroethane	6.49	62	2024513	8.333	ppbv 99
38) Trichloroethene	8.04	130	1382749	8.509	ppbv 97
39) 1,2-Dichloropropane	7.81	63	1758096	8.311	ppbv 97
40) 1,4-Dioxane	8.03	88	534837	8.610	ppbv # 1
41) Tetrahydrofuran	6.22	42	1567611	8.976	ppbv 100
42) Bromodichloromethane	7.99	83	3267138	8.306	ppbv 98
43) Methyl Methacrylate	8.21	69	1819400	9.014	ppbv 100

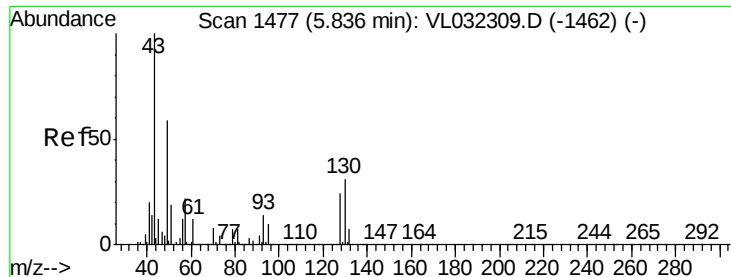
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
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Quant Time: Aug 02 00:46:29 2018
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7444715	8.165	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2239380	9.575	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2651513	9.253	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1630631	7.930	ppbv	99
48) Dibromochloromethane	10.54	129	2543436	8.391	ppbv	100
49) Bromoform	13.29	173	2064297	8.271	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4650216	8.536	ppbv	100
51) 2-Hexanone	10.35	43	3772663	9.088	ppbv #	100
52) Tetrachloroethene	11.46	164	1219286	8.605	ppbv	99
53) Toluene	10.03	91	4656699	9.264	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2471773	8.459	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1799709	7.539	ppbv	99
57) Chlorobenzene	12.39	112	3278033	7.282	ppbv	98
58) Ethyl Benzene	12.95	91	6189884	8.529	ppbv	98
59) m/p-Xylene	13.23	91	5010750	8.109	ppbv #	33
60) o-Xylene	13.93	91	4806558	7.934	ppbv	98
61) Styrene	13.77	104	3832899	8.596	ppbv	99
62) Isopropylbenzene	14.91	105	6818747	7.922	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3559419	7.220	ppbv	100
64) n-propylbenzene	15.81	120	1758996	7.850	ppbv	97
65) tert-Butylbenzene	16.99	119	5604106	7.707	ppbv	99
66) Benzyl Chloride	17.24	91	3628058	8.371	ppbv	100
67) sec-Butylbenzene	17.54	105	8405907	7.720	ppbv	99
69) p-Isopropyltoluene	17.90	119	6641871	7.873	ppbv	99
70) n-Butylbenzene	18.80	91	7408060	7.605	ppbv	99
71) 2-Chlorotoluene	15.70	91	5478640	8.111	ppbv	99
72) 4-Ethyltoluene	16.08	105	5642547	8.310	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5362261	8.023	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5240407	7.438	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2891700	7.087	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2944162	7.520	ppbv	99
77) 1,2-Dichlorobenzene	18.07	146	2892157	7.214	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	1725623	12.241	ppbv	100
79) Naphthalene	22.51	128	5062898	8.280	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2133874	8.819	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2368231	7.751	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :

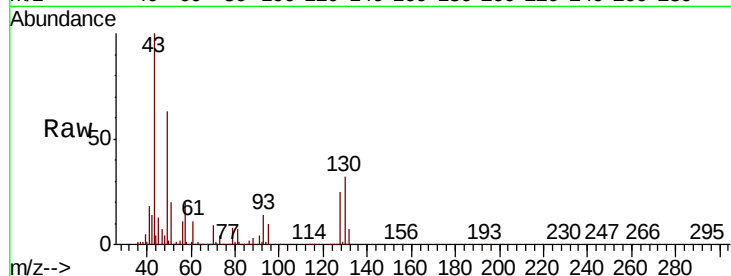
Tot Ion: 49 Resp: 1867336

Ion Ratio Lower Upper

49 100

128 39.8 20.2 60.6

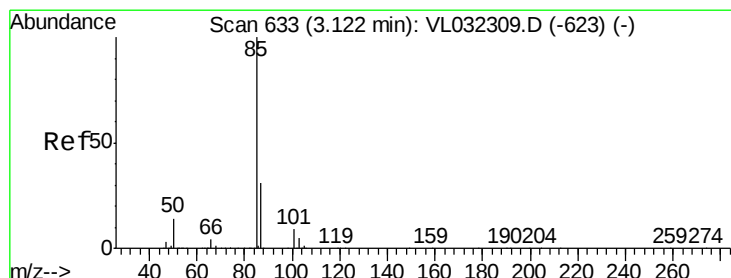
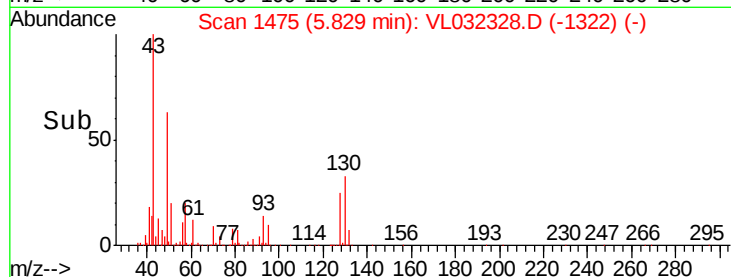
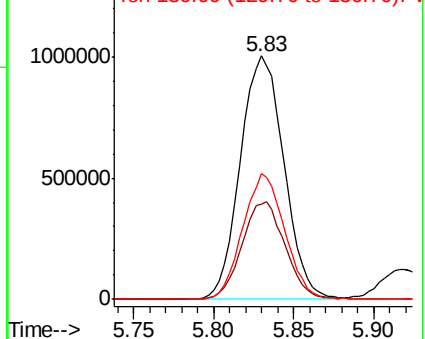
130 50.0 25.8 77.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.756 ppbv

RT: 3.12 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032328.D

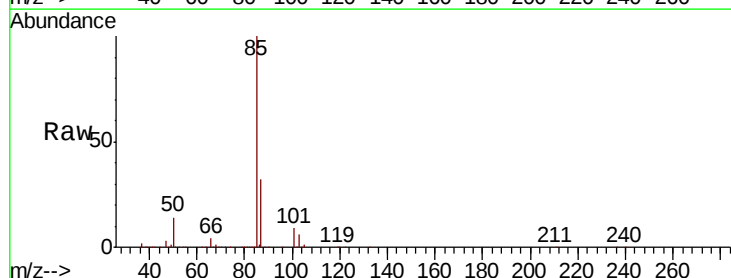
Acq: 1 Aug 2018 16:50

Tgt Ion: 85 Resp: 1746886

Ion Ratio Lower Upper

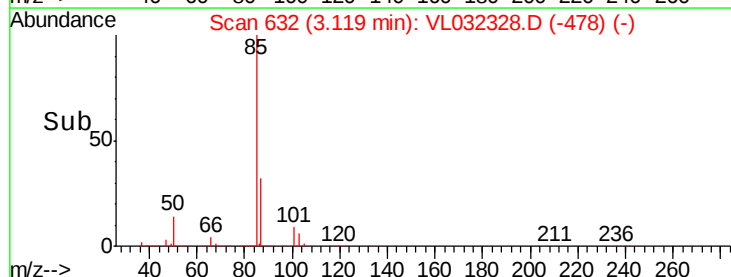
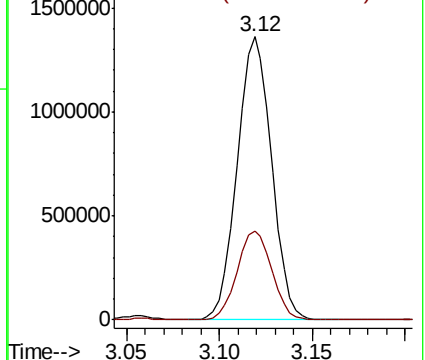
85 100

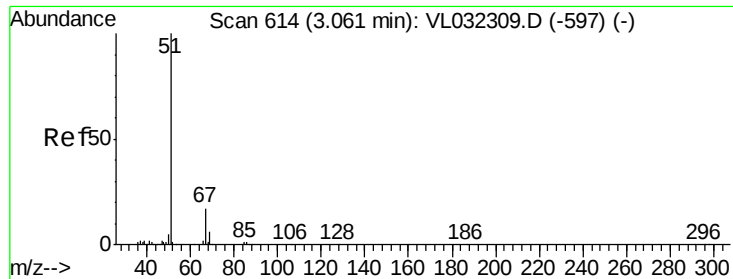
87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

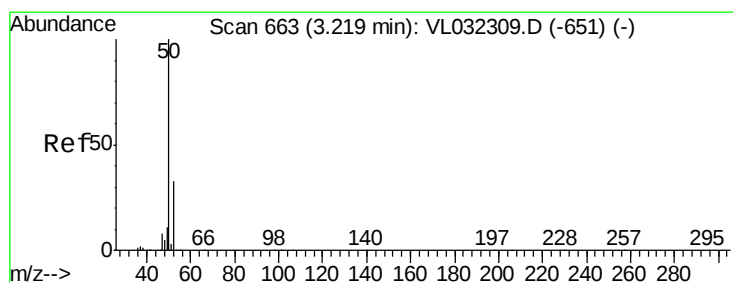
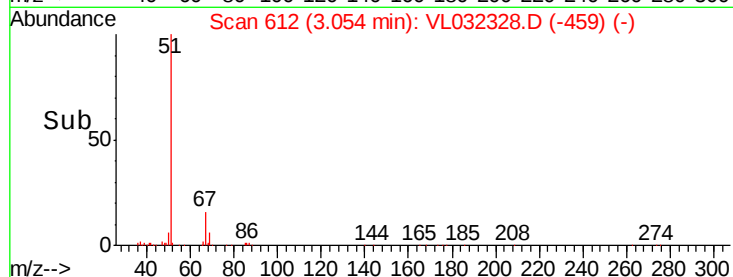
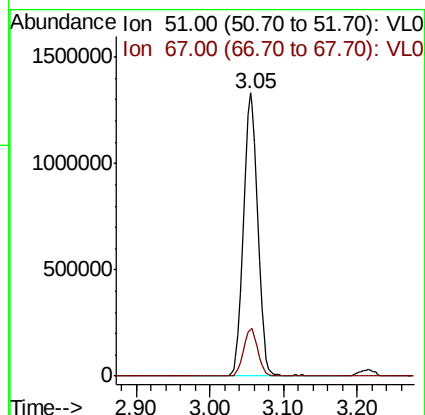
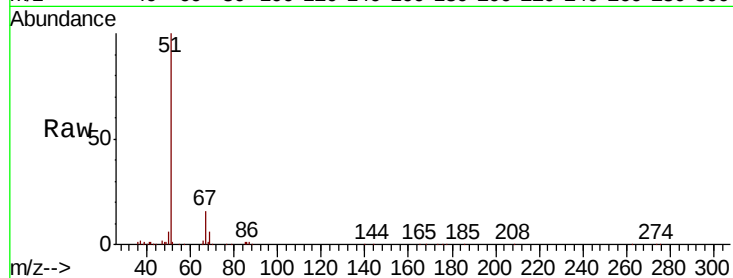




#3
Chlorodifluoromethane
Concen: 9.688 ppbv
RT: 3.05 min Scan# 612
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

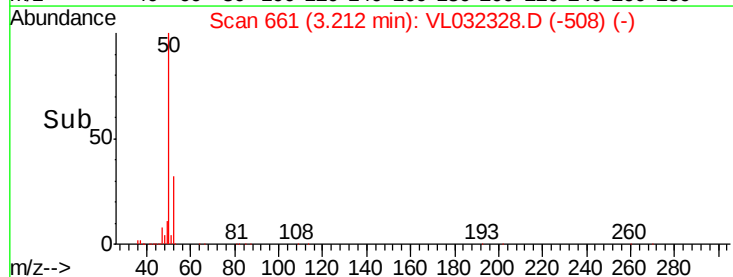
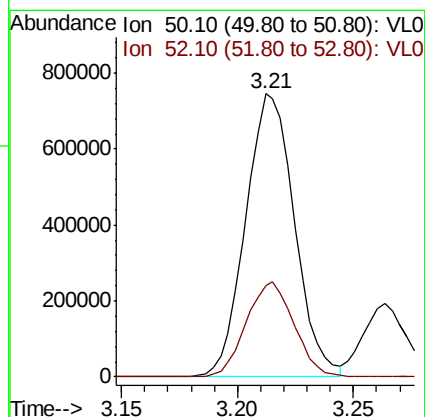
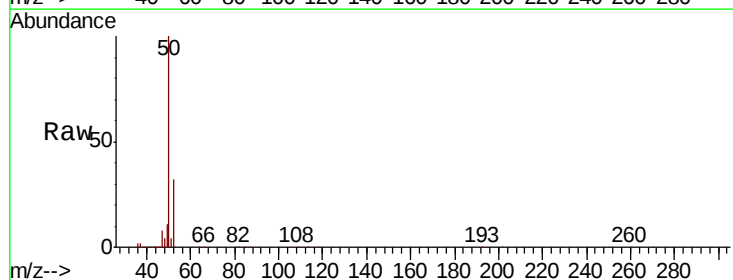
Instrument :
MSVOA_L
ClientSampled :

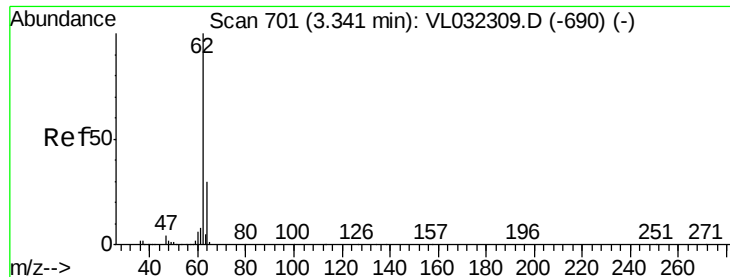
Tot Ion: 51 Resp: 1808966
Ion Ratio Lower Upper
51 100
67 16.7 13.5 20.3



#4
Chloromethane
Concen: 9.651 ppbv
RT: 3.21 min Scan# 661
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 50 Resp: 1091011
Ion Ratio Lower Upper
50 100
52 32.3 26.2 39.4





#5

Vinyl Chloride

Concen: 9.810 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

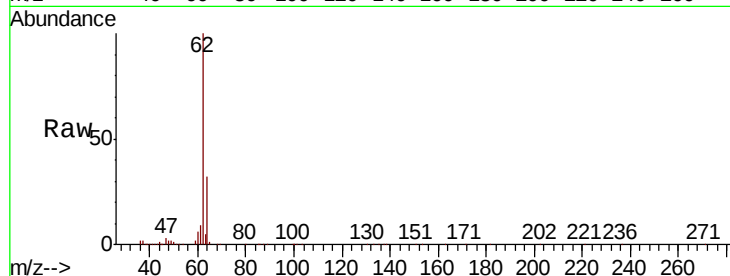
ClientSampleId :

Tot Ion: 62 Resp: 1008233

Ion Ratio Lower Upper

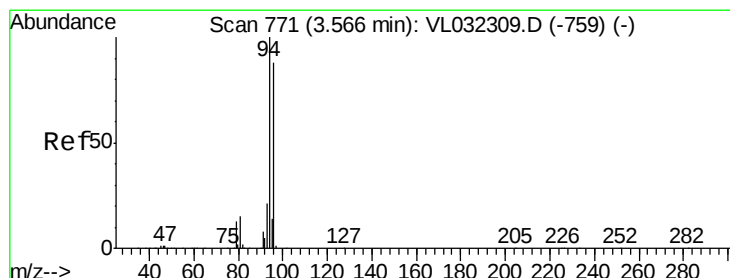
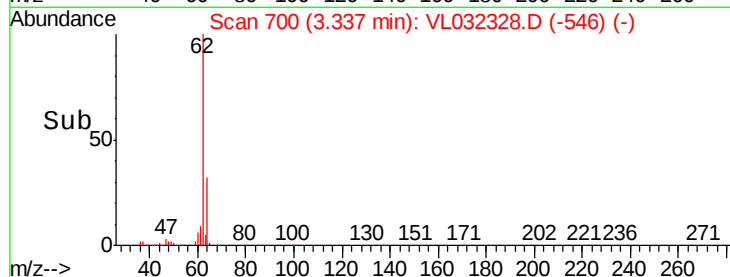
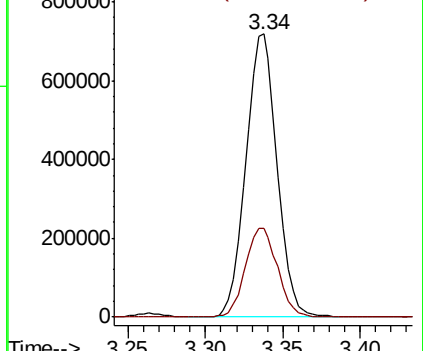
62 100

64 31.5 24.1 36.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.712 ppbv

RT: 3.56 min Scan# 770

Delta R.T. -0.00 min

Lab File: VL032328.D

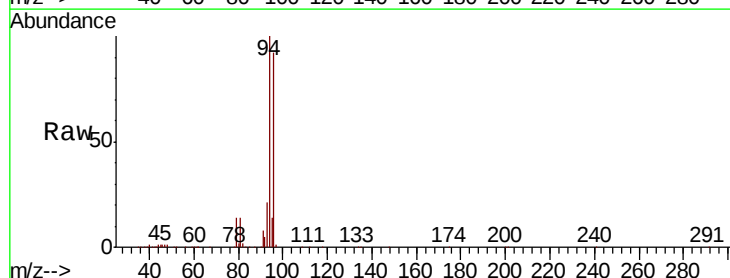
Acq: 1 Aug 2018 16:50

Tgt Ion: 94 Resp: 547969

Ion Ratio Lower Upper

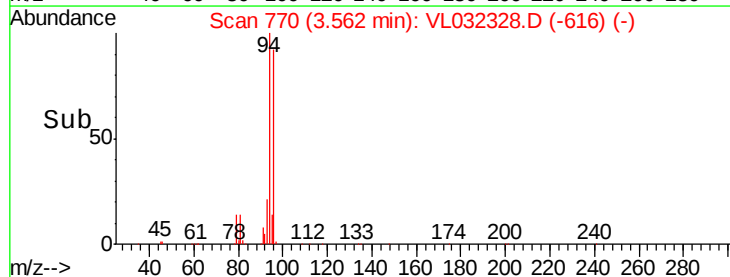
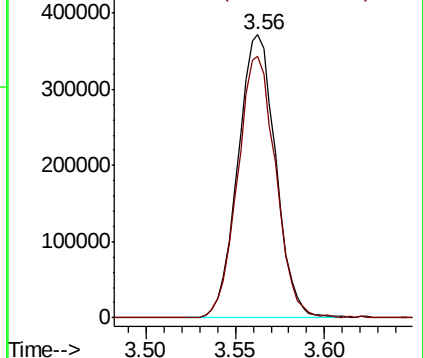
94 100

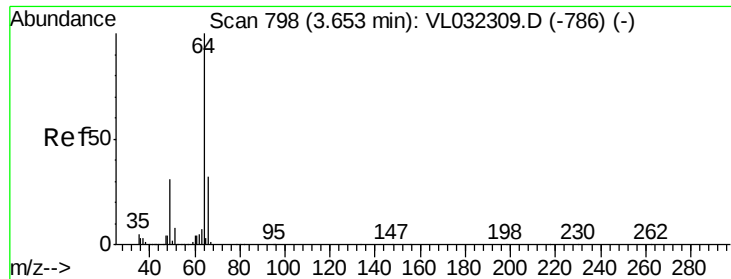
96 92.4 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.058 ppbv

RT: 3.65 min Scan# 797

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

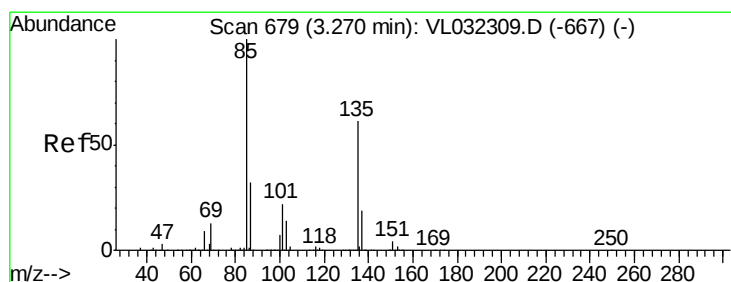
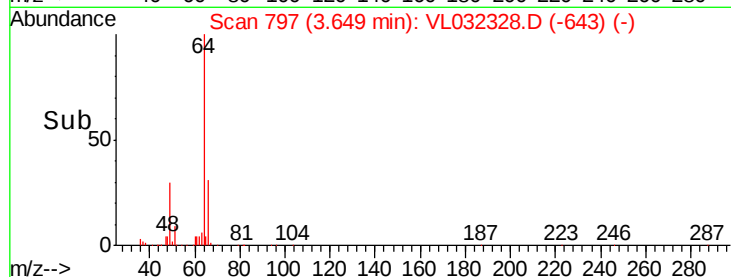
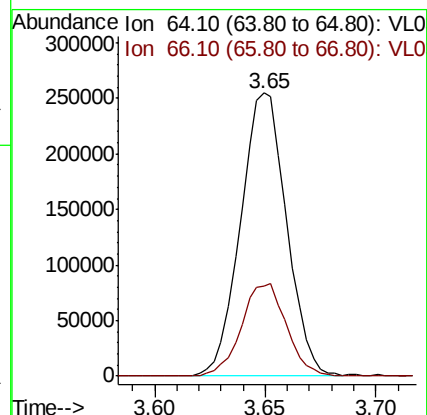
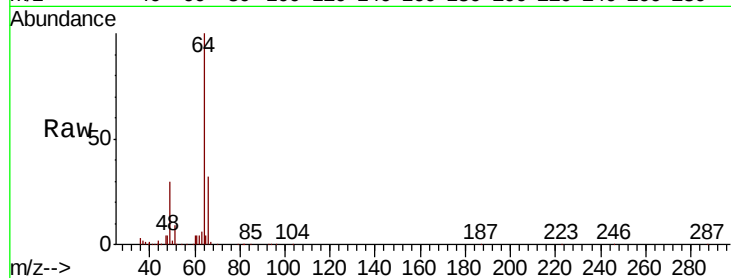
ClientSampled :

Tot Ion: 64 Resp: 367573

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 9.059 ppbv

RT: 3.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: VL032328.D

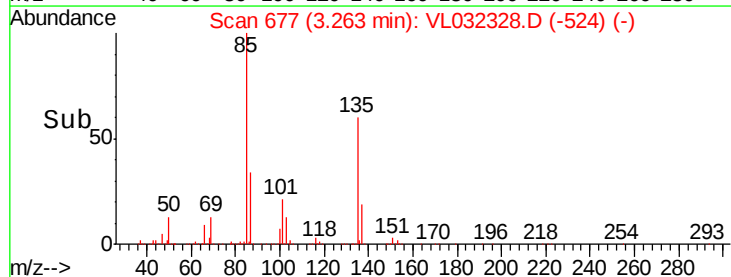
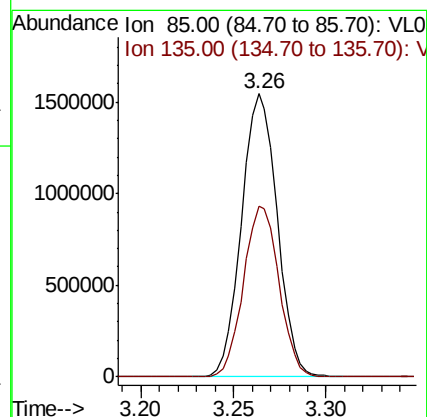
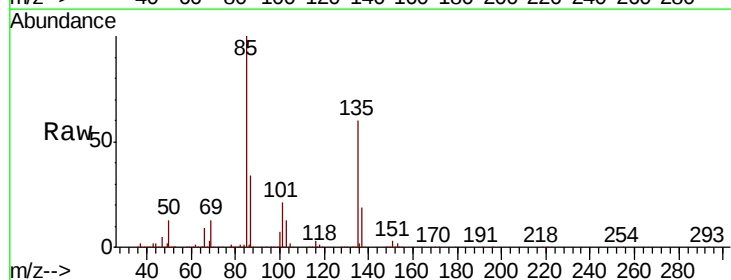
Acq: 1 Aug 2018 16:50

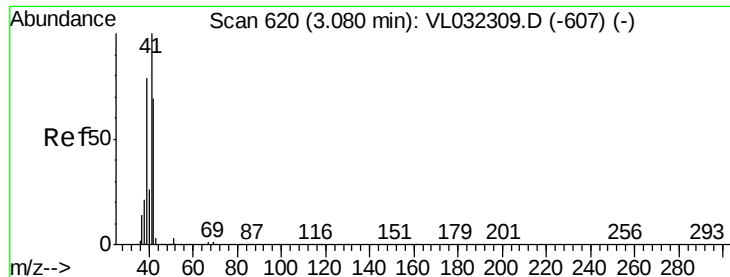
Tgt Ion: 85 Resp: 2060606

Ion Ratio Lower Upper

85 100

135 60.2 48.7 73.1





#9

Propene

Concen: 10.570 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

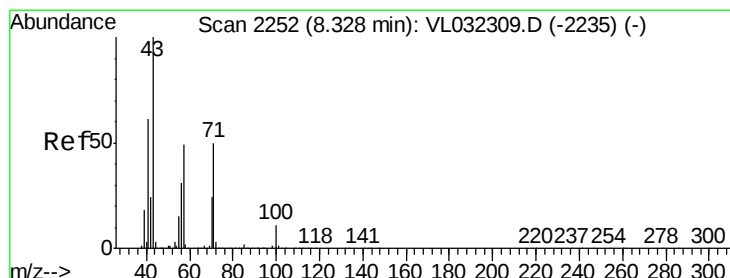
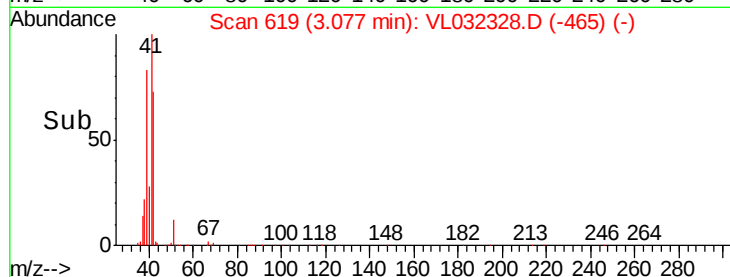
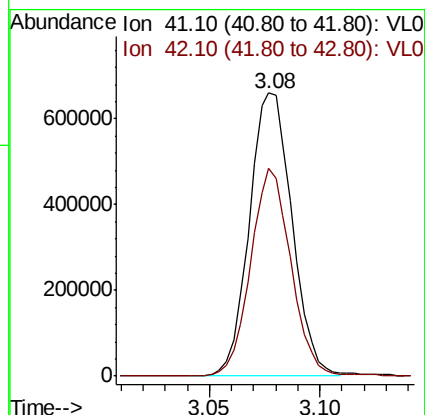
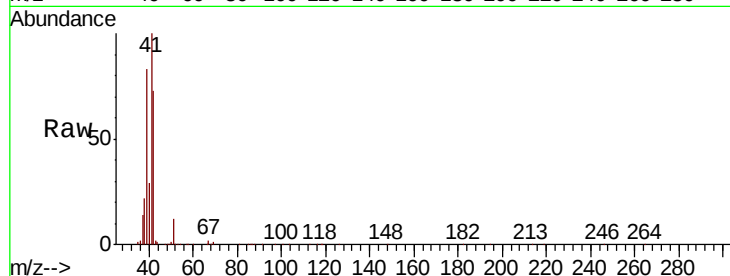
ClientSampleId :

Tot Ion: 41 Resp: 887321

Ion Ratio Lower Upper

41 100

42 70.2 56.8 85.2



#10

Heptane

Concen: 10.221 ppbv

RT: 8.32 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VL032328.D

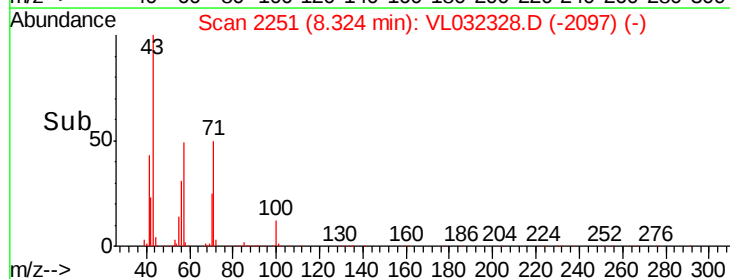
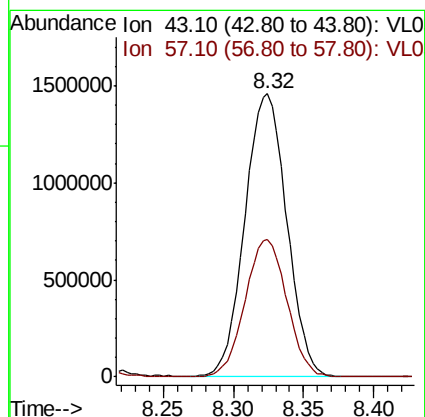
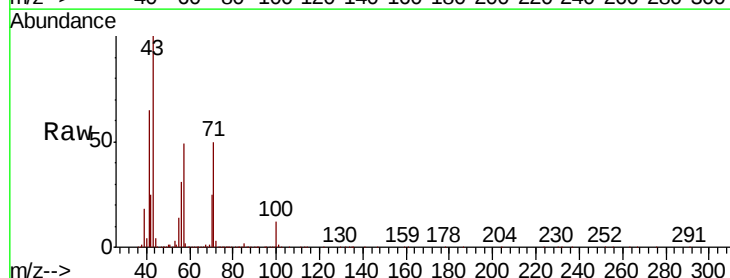
Acq: 1 Aug 2018 16:50

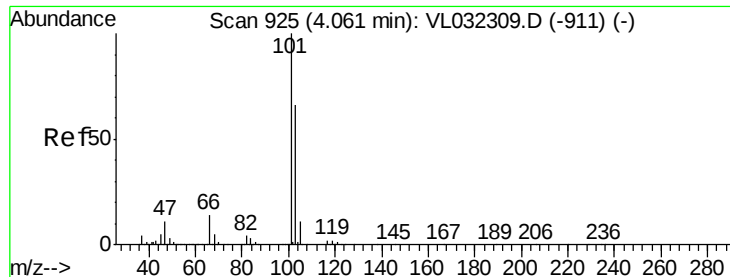
Tgt Ion: 43 Resp: 3011997

Ion Ratio Lower Upper

43 100

57 48.7 39.0 58.4

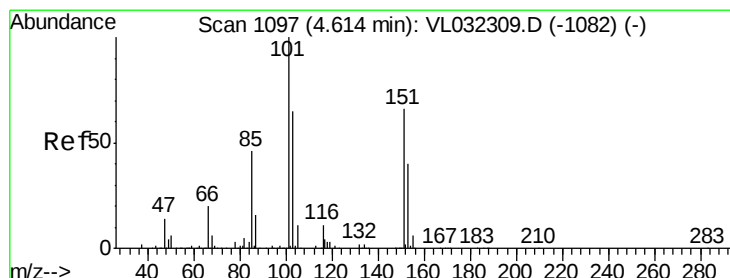
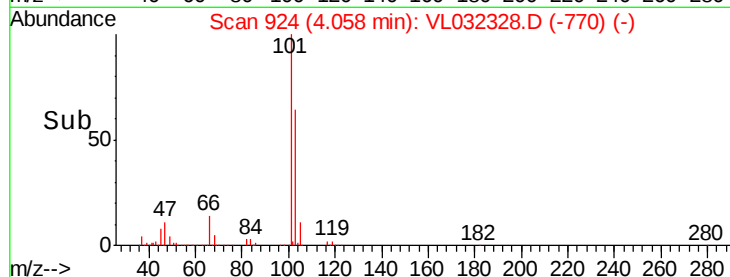
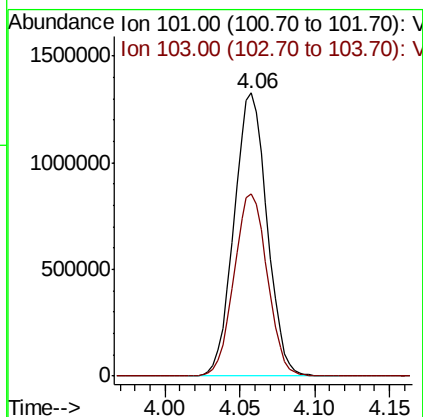
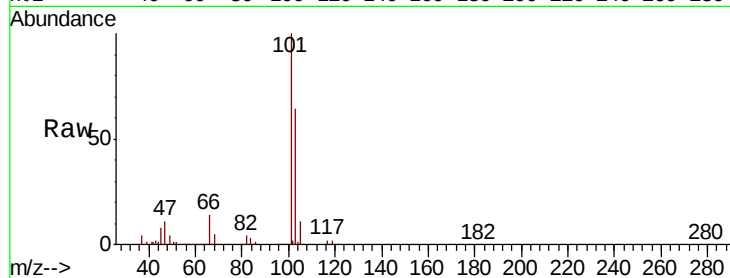




#11
 Trichlorofluoromethane
 Concen: 9.460 ppbv
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

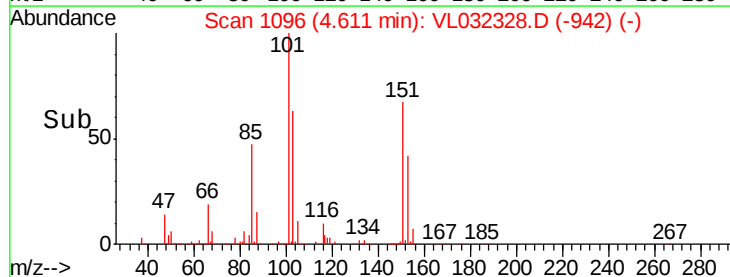
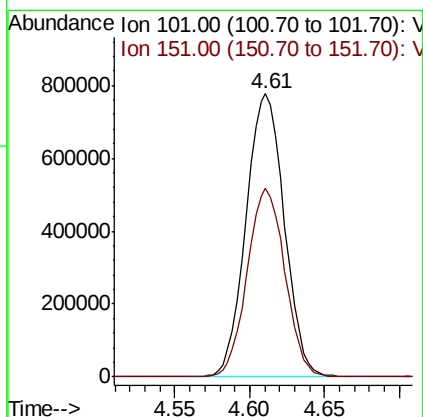
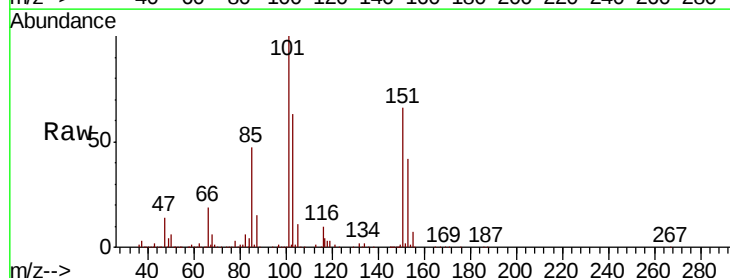
Instrument :
 MSVOA_L
 ClientSampleId :

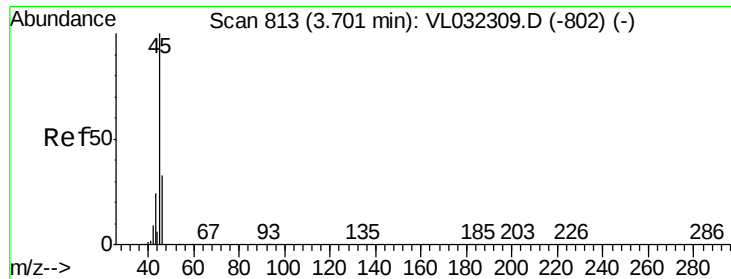
Tot Ion:101 Resp: 2035243
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.423 ppbv
 RT: 4.61 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:101 Resp: 1383985
 Ion Ratio Lower Upper
 101 100
 151 65.7 52.4 78.6

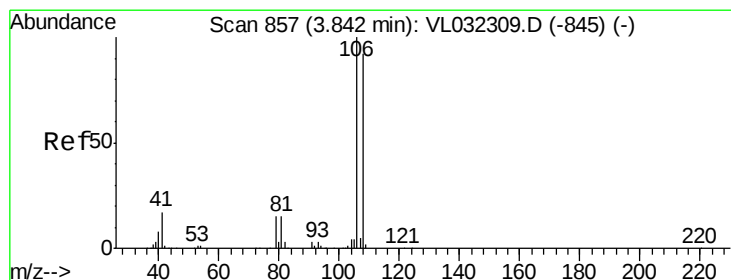
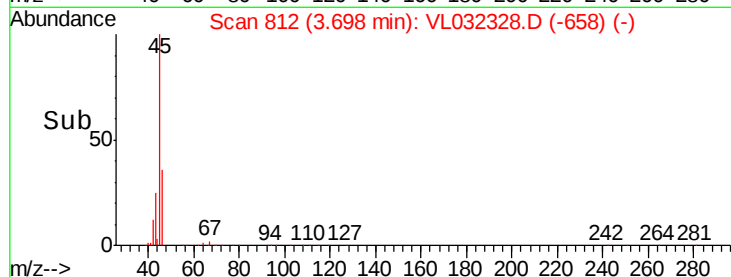
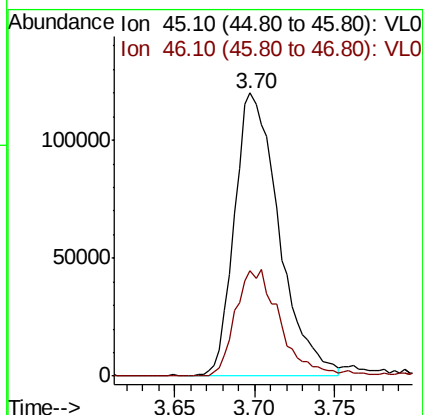
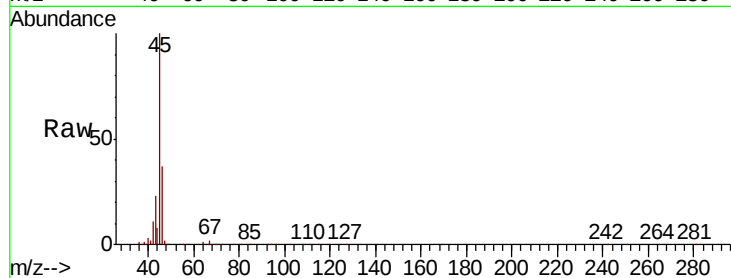




#13
Ethanol
Concen: 9.404 ppbv
RT: 3.70 min Scan# 812
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

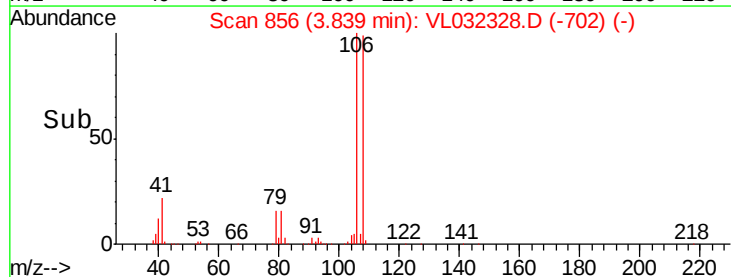
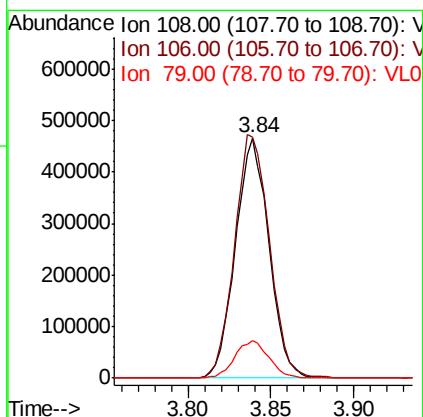
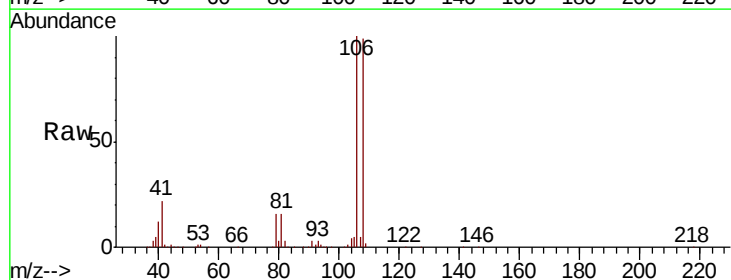
Instrument :
MSVOA_L
ClientSampleId :

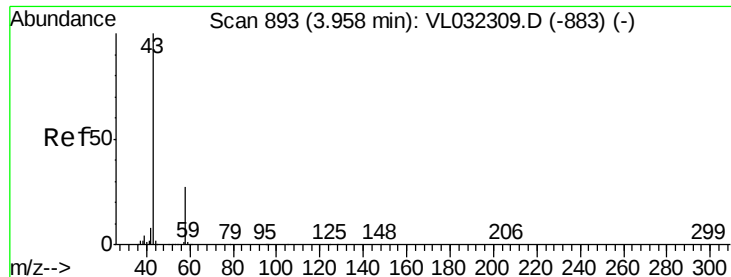
Tot Ion: 45 Resp: 226874
Ion Ratio Lower Upper
45 100
46 38.6 15.2 60.6



#14
Bromoethene
Concen: 10.144 ppbv
RT: 3.84 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 108 Resp: 654060
Ion Ratio Lower Upper
108 100
106 106.0 86.0 129.0
79 16.2 12.8 19.2





#15

Acetone

Concen: 10.291 ppbv

RT: 3.95 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

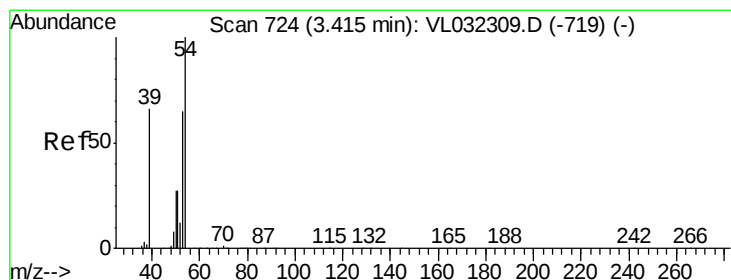
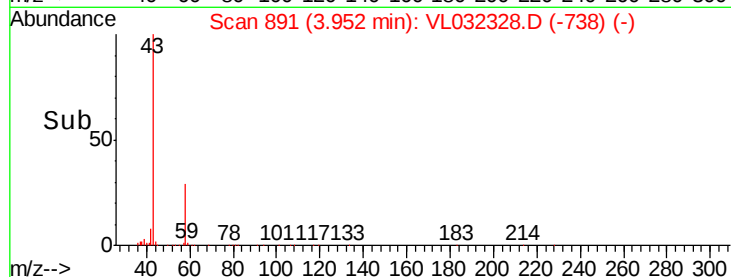
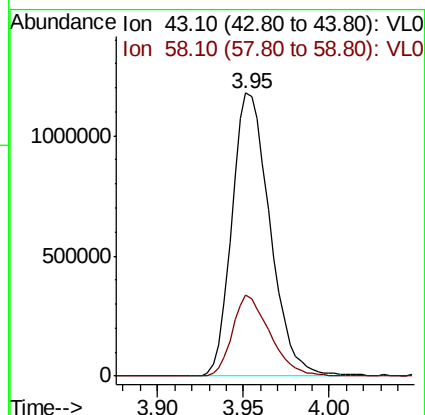
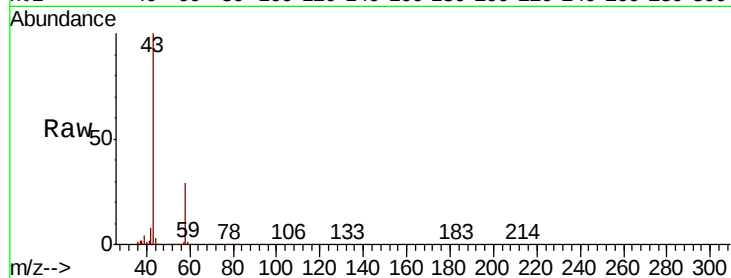
ClientSampleId :

Tot Ion: 43 Resp: 1811083

Ion Ratio Lower Upper

43 100

58 28.6 22.5 33.7



#16

1,3-Butadiene

Concen: 9.416 ppbv

RT: 3.41 min Scan# 722

Delta R.T. -0.01 min

Lab File: VL032328.D

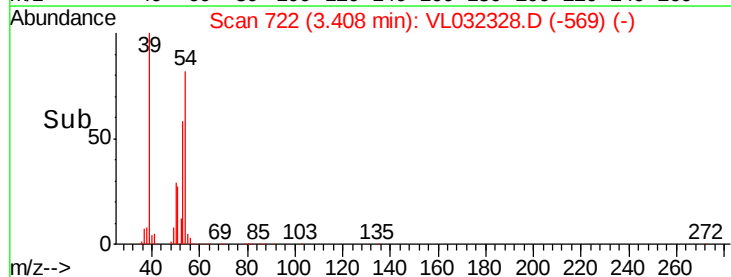
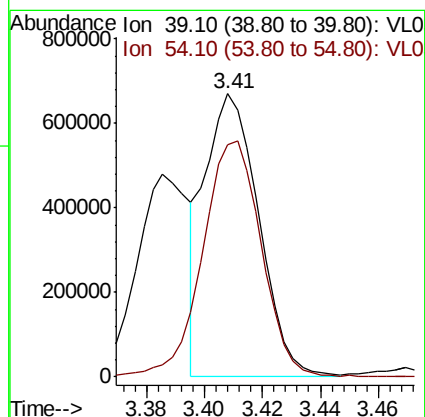
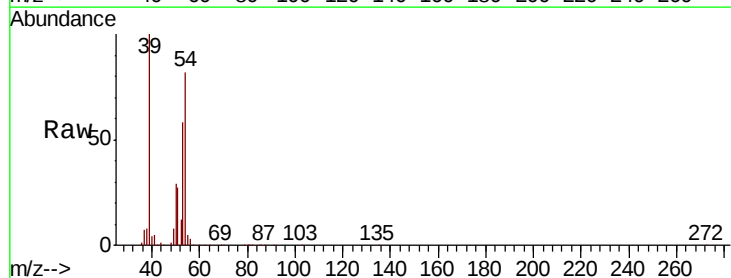
Acq: 1 Aug 2018 16:50

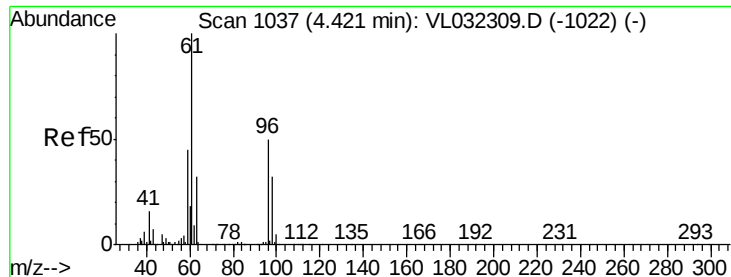
Tgt Ion: 39 Resp: 859188

Ion Ratio Lower Upper

39 100

54 92.2 74.3 111.5

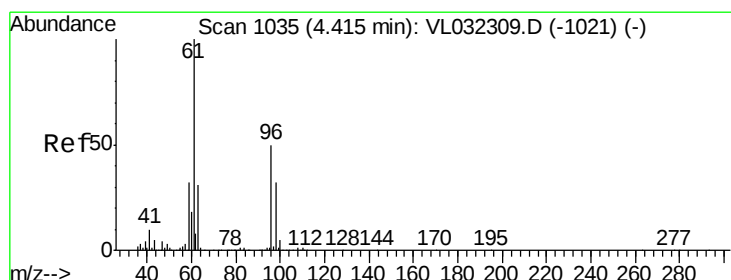
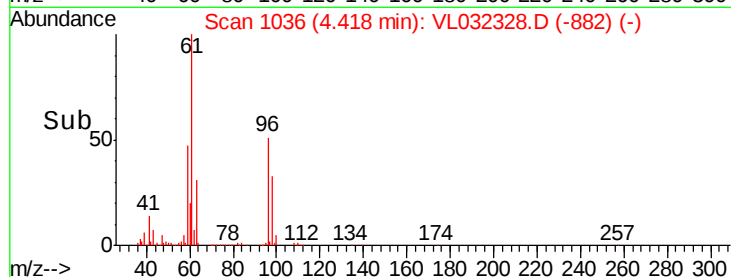
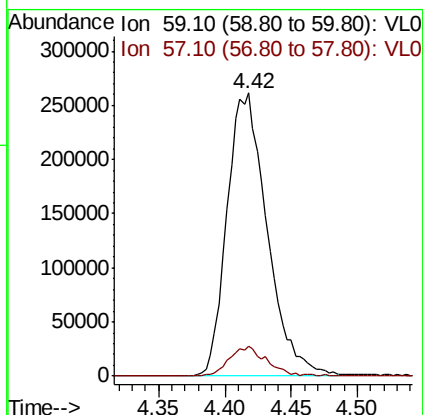
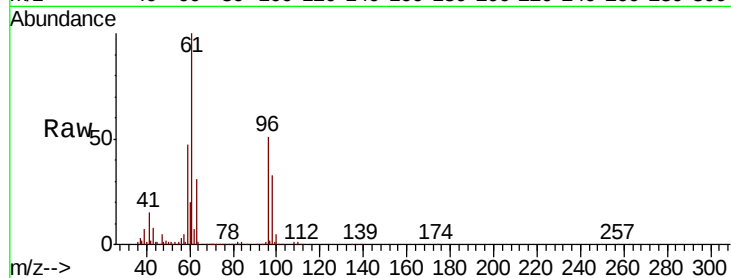




#17
tert-Butyl alcohol
Concen: 9.837 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

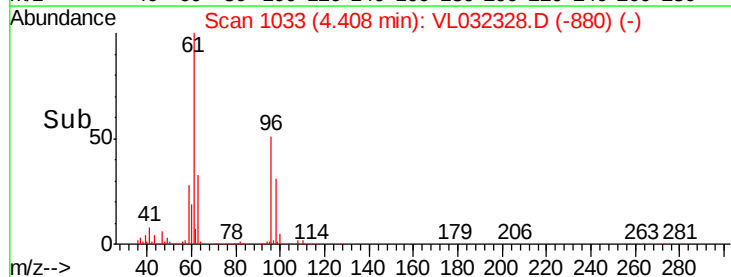
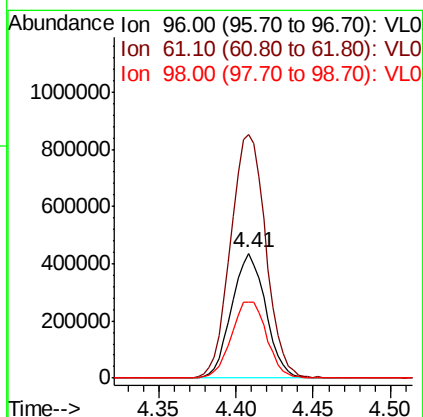
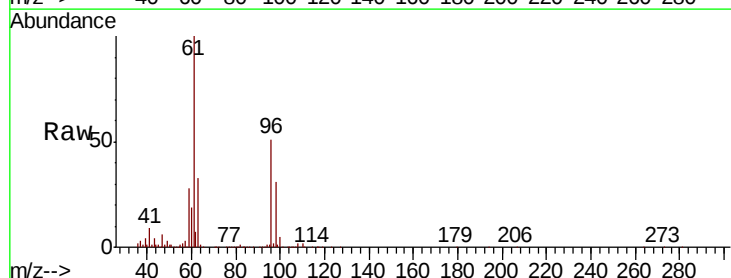
Instrument :
MSVOA_L
ClientSampleId :

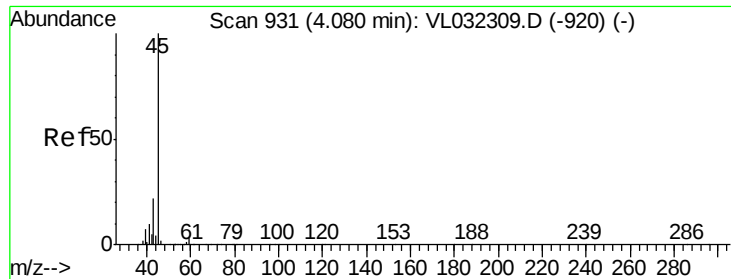
Tot Ion: 59 Resp: 550270
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0



#18
1,1-Dichloroethene
Concen: 9.780 ppbv
RT: 4.41 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 96 Resp: 666477
Ion Ratio Lower Upper
96 100
61 194.6 159.0 238.4
98 61.0 51.1 76.7





#19

Isopropyl Alcohol

Concen: 11.062 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

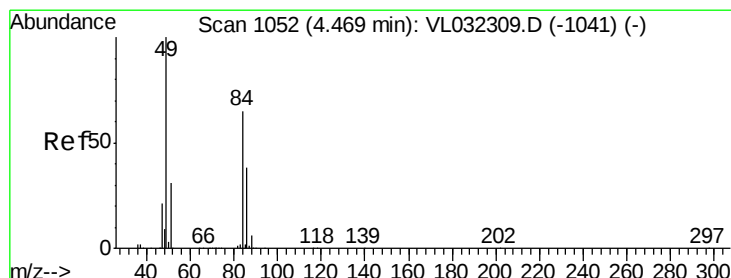
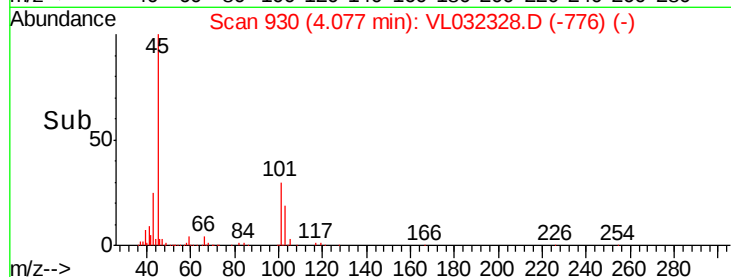
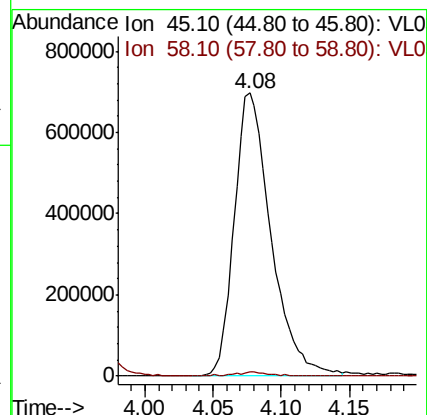
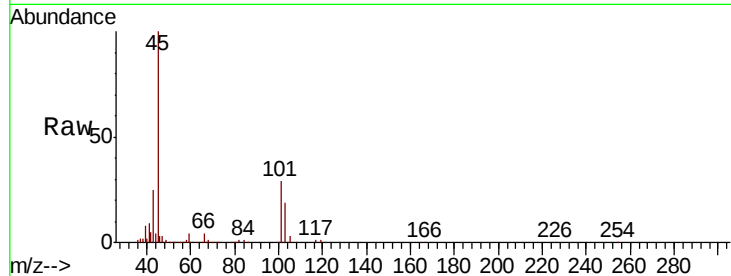
ClientSampleId :

Tot Ion: 45 Resp: 1299052

Ion Ratio Lower Upper

45 100

58 1.7 1.5 2.3



#20

Methylene Chloride

Concen: 8.787 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion: 84 Resp: 621621

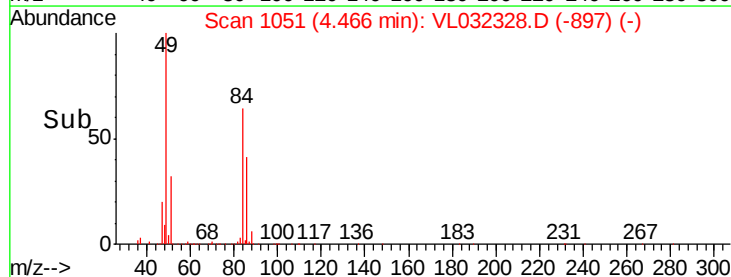
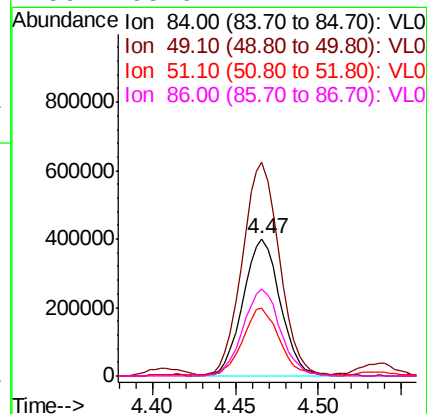
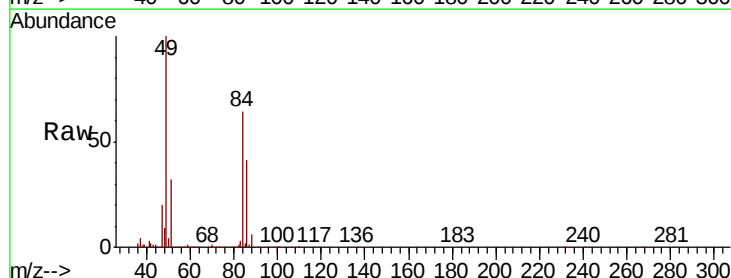
Ion Ratio Lower Upper

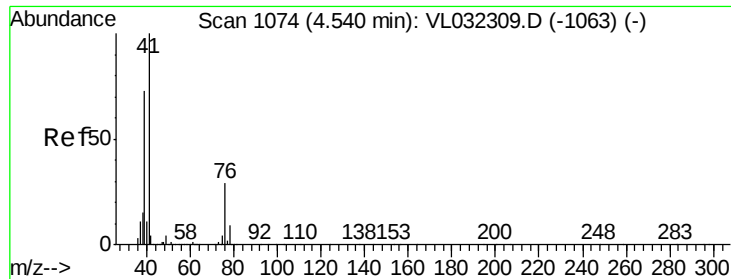
84 100

49 155.0 123.4 185.0

51 49.2 38.2 57.2

86 63.6 47.4 71.2

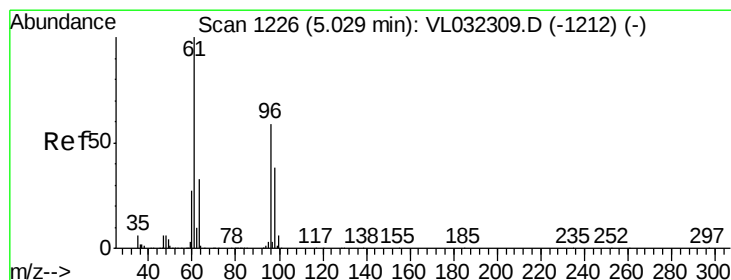
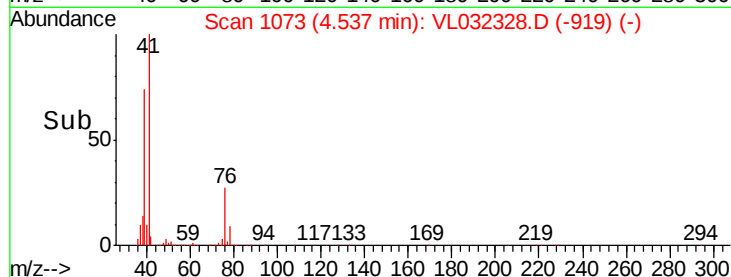
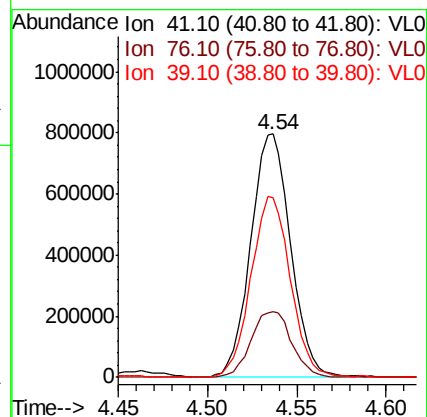
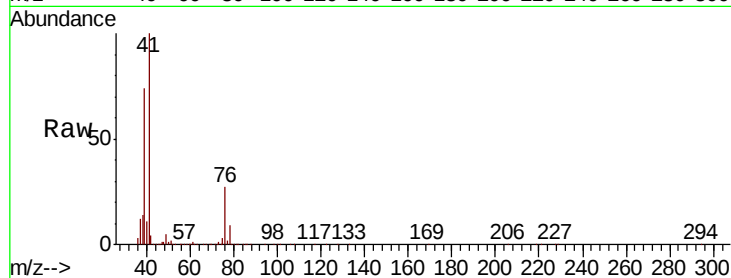




#21
Allvl Chloride
Concen: 10.331 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

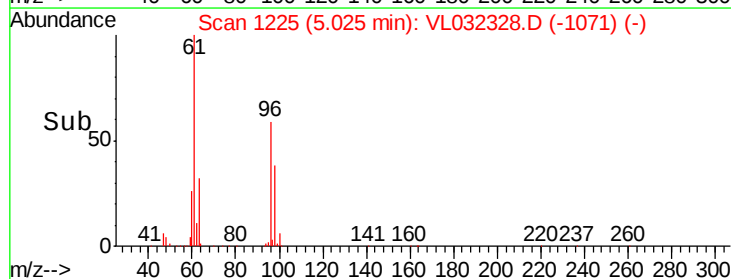
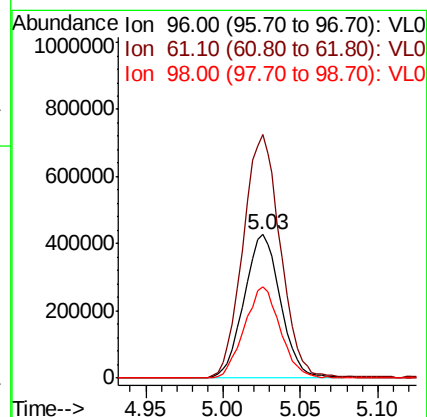
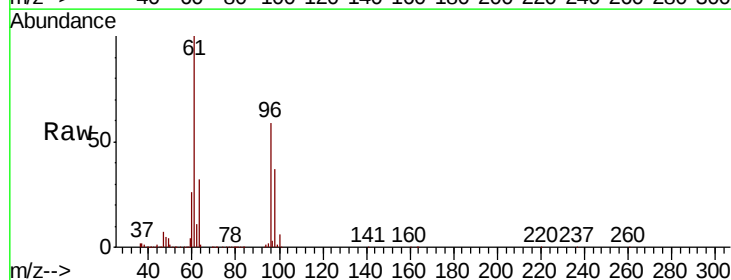
Instrument :
MSVOA_L
ClientSampleId :

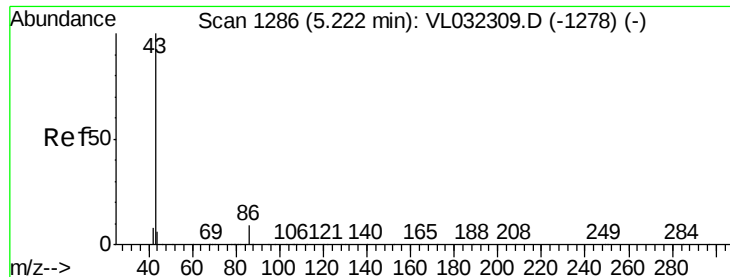
Tot Ion: 41 Resp: 1240424
Ion Ratio Lower Upper
41 100
76 28.1 23.1 34.7
39 74.1 58.2 87.2



#22
trans-1,2-Dichloroethene
Concen: 10.669 ppbv
RT: 5.03 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 96 Resp: 701039
Ion Ratio Lower Upper
96 100
61 169.9 136.5 204.7
98 63.5 51.3 76.9



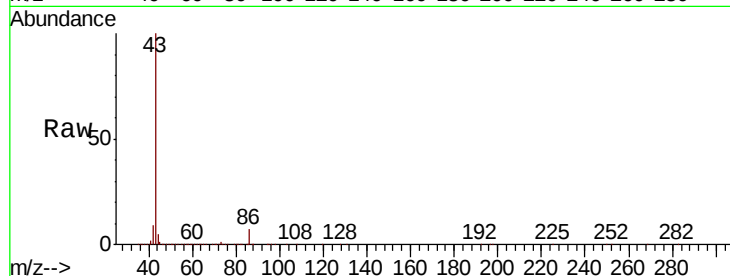


#23
 Vinyl Acetate
 Concen: 10.689 ppbv
 RT: 5.22 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

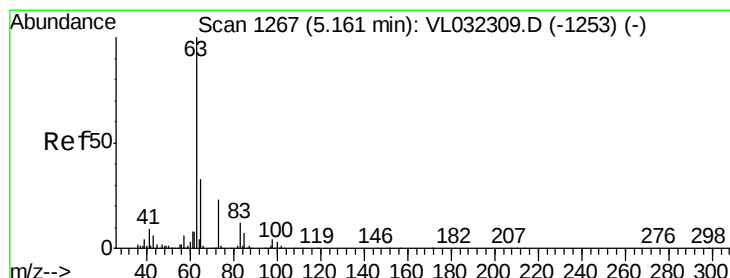
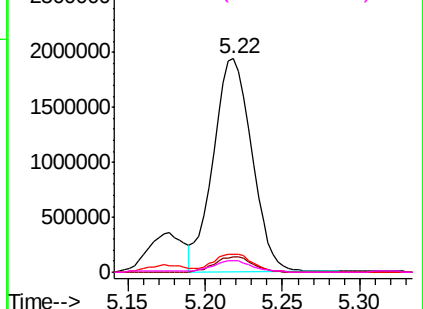
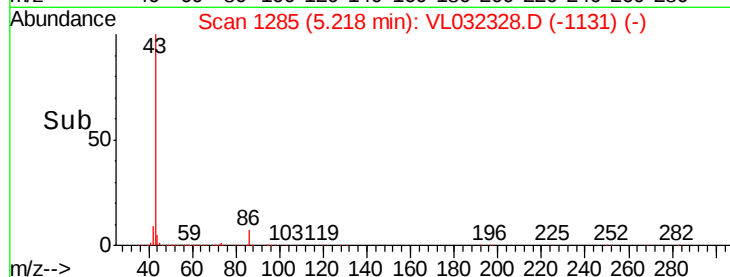
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 3374550

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	8.6	7.0	10.4
44	5.0	4.6	7.0



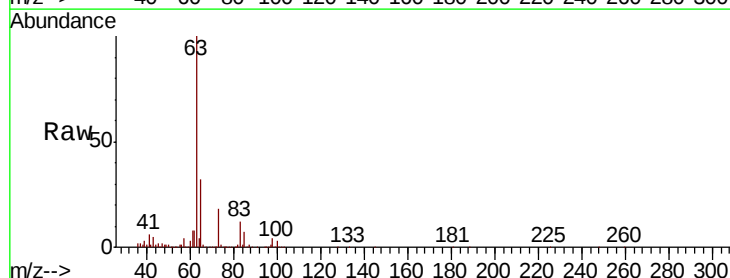
Abundance Ion 43.10 (42.80 to 43.80): VL0
 3000000 Ion 86.10 (85.80 to 86.80): VL0
 2500000 Ion 42.10 (41.80 to 42.80): VL0
 2000000 Ion 44.10 (43.80 to 44.80): VL0



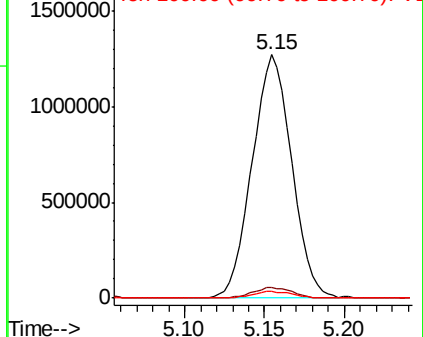
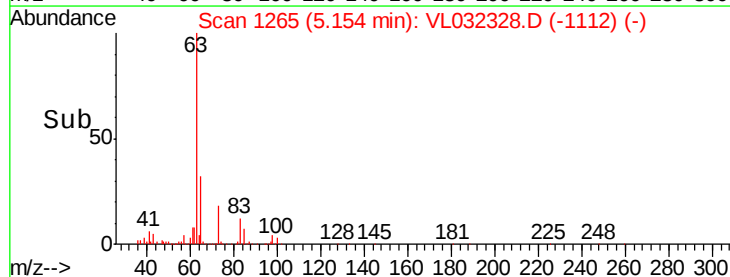
#24
 1,1-Dichloroethane
 Concen: 9.516 ppbv
 RT: 5.15 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

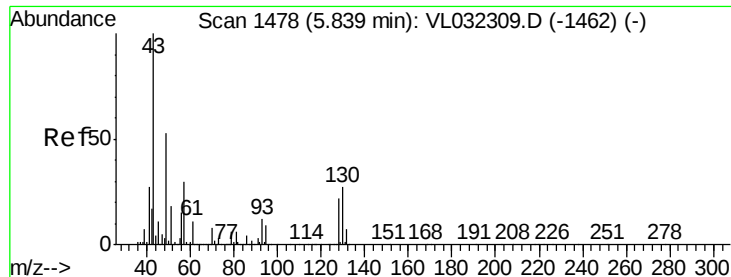
Tgt Ion: 63 Resp: 2155057

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.7	1.3	3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
 1500000 Ion 98.00 (97.70 to 98.70): VL0
 1000000 Ion 100.00 (99.70 to 100.70): VL0



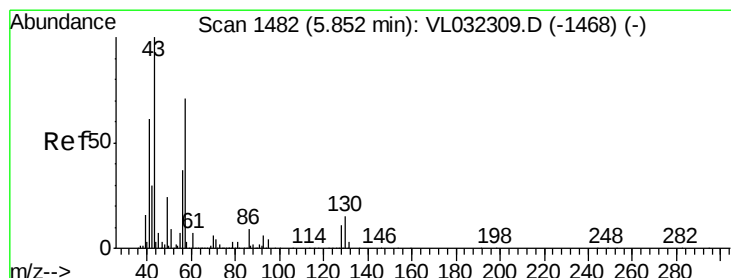
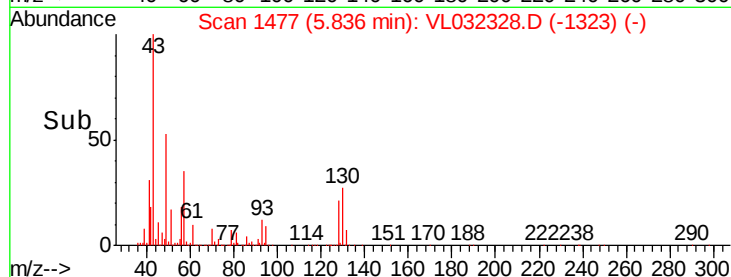
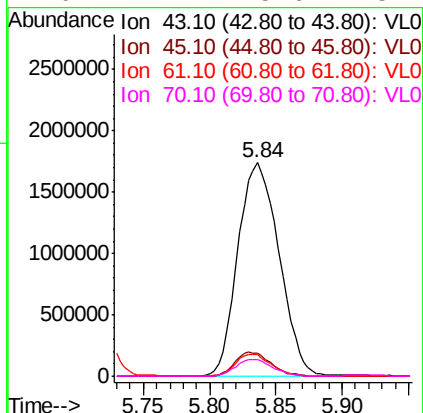
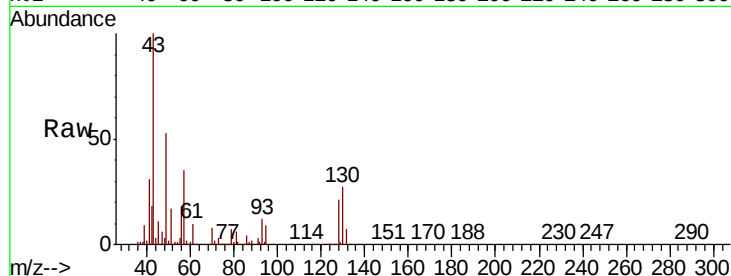


#25
Ethyl Acetate
Concen: 9.519 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3759380

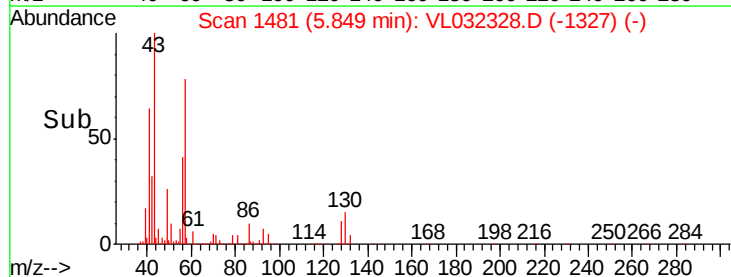
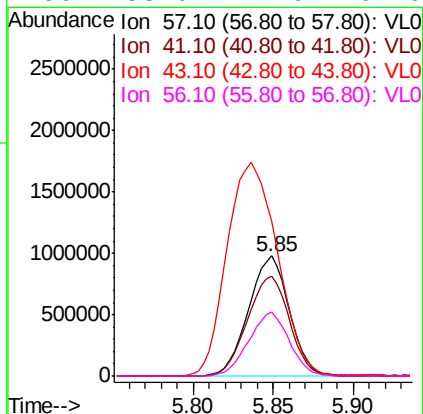
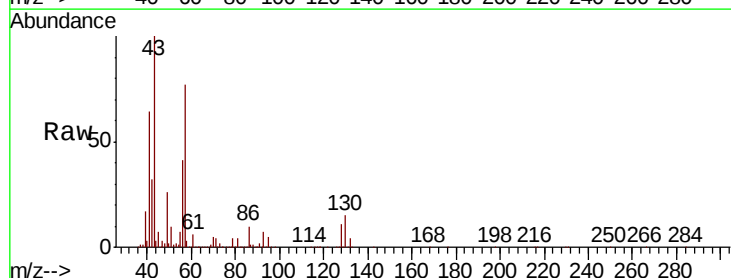
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.2	7.4	11.0
70	7.1	5.6	8.4

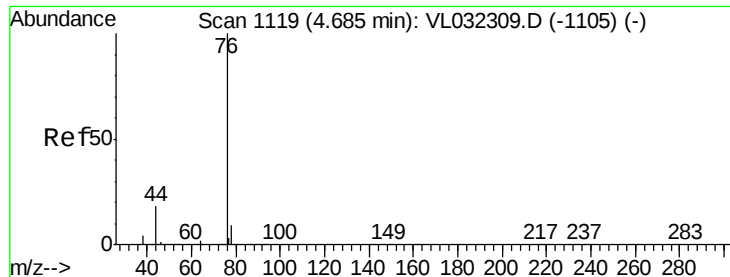


#26
Hexane
Concen: 9.565 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 57 Resp: 1709293

Ion	Ratio	Lower	Upper
57	100		
41	86.2	68.1	102.1
43	220.9	177.4	266.2
56	53.0	41.9	62.9





#27

Carbon Disulfide

Concen: 10.540 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampled :

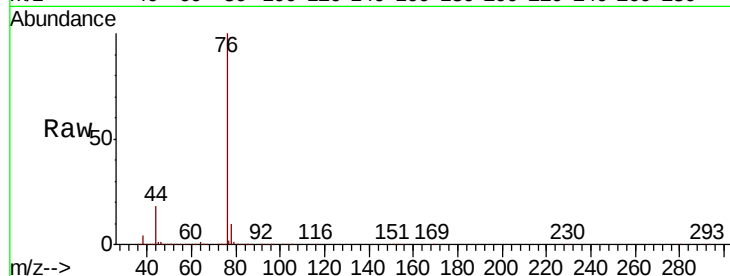
Tot Ion: 76 Resp: 1712448

Ion Ratio Lower Upper

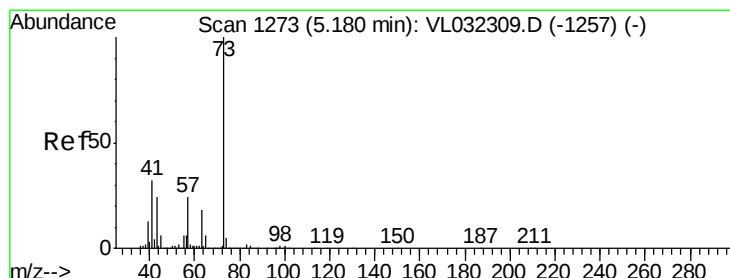
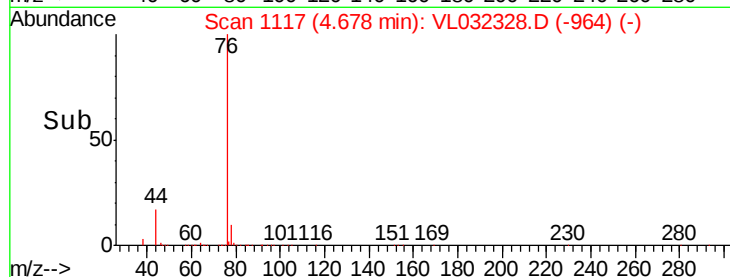
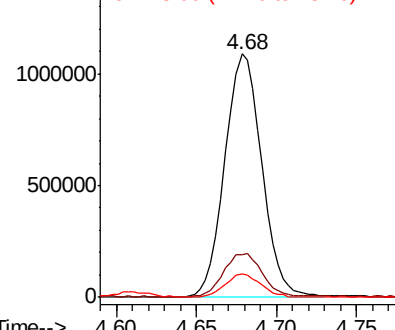
76 100

44 18.5 14.0 21.0

78 9.6 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: 10.636 ppbv

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VL032328.D

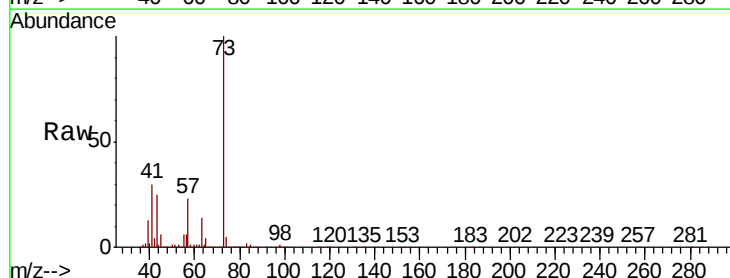
Acq: 1 Aug 2018 16:50

Tgt Ion: 73 Resp: 2570952

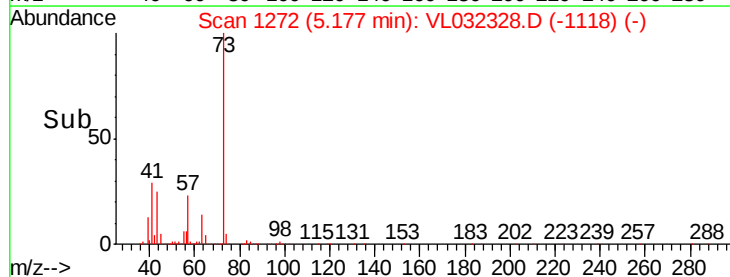
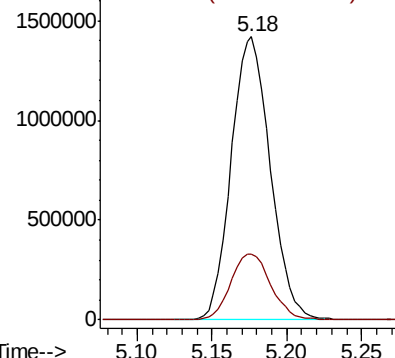
Ion Ratio Lower Upper

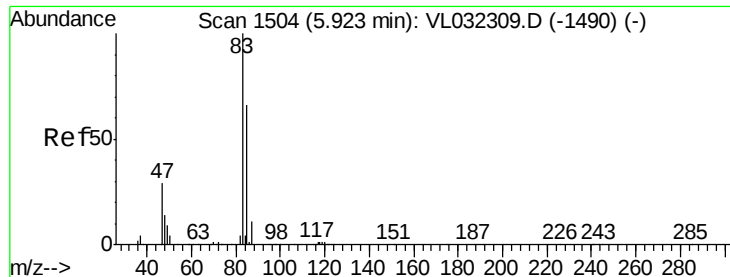
73 100

57 24.1 19.4 29.0



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

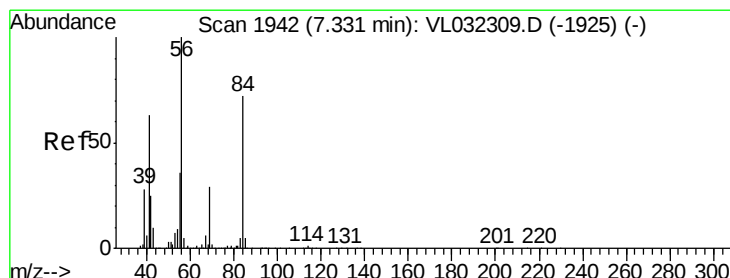
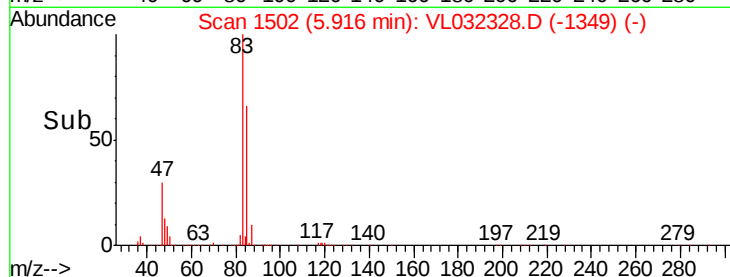
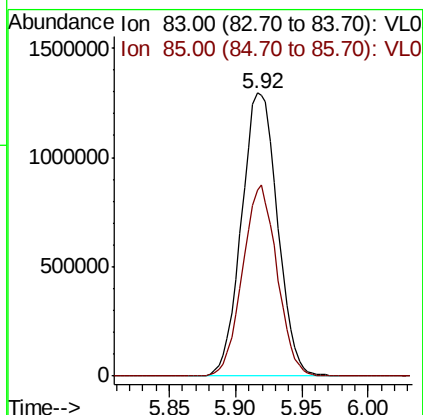
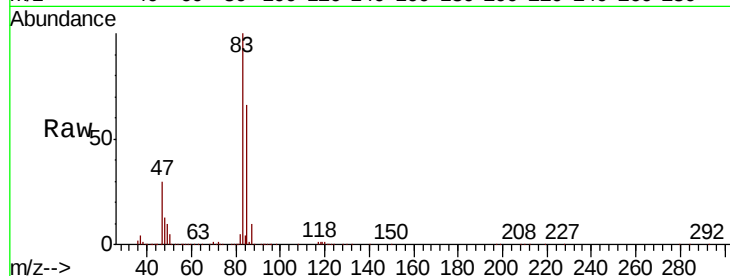




#29
Chloroform
Concen: 9.392 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

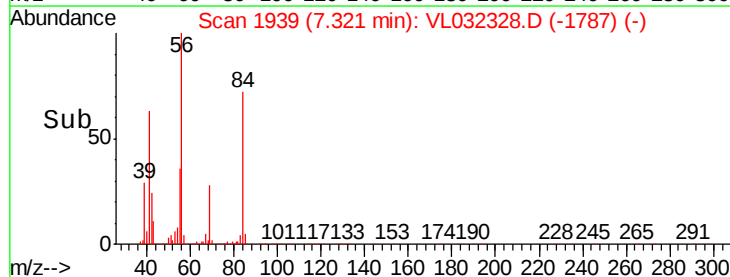
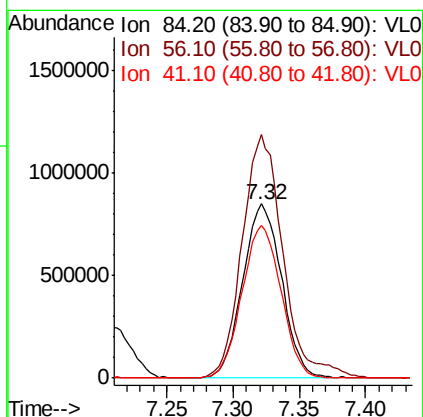
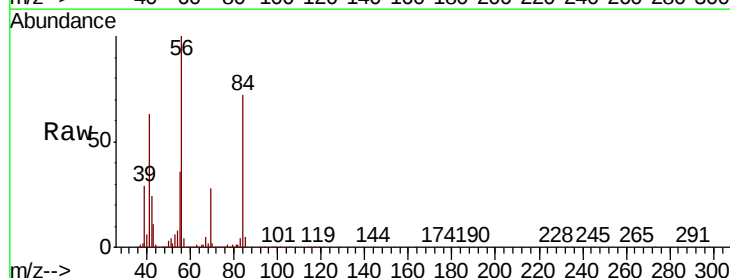
Instrument :
MSVOA_L
ClientSampleId :

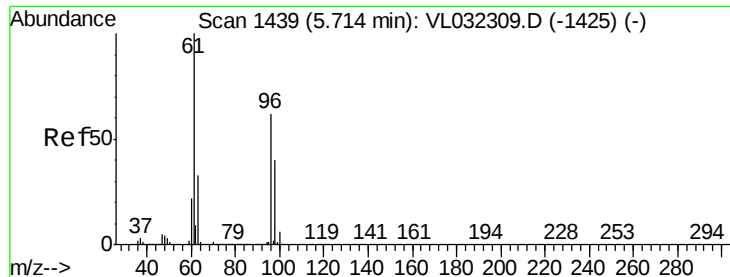
Tot Ion: 83 Resp: 2441379
Ion Ratio Lower Upper
83 100
85 65.8 52.9 79.3



#30
Cyclohexane
Concen: 12.465 ppbv
RT: 7.32 min Scan# 1939
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 84 Resp: 1738071
Ion Ratio Lower Upper
84 100
56 146.7 116.8 175.2
41 88.0 70.0 105.0

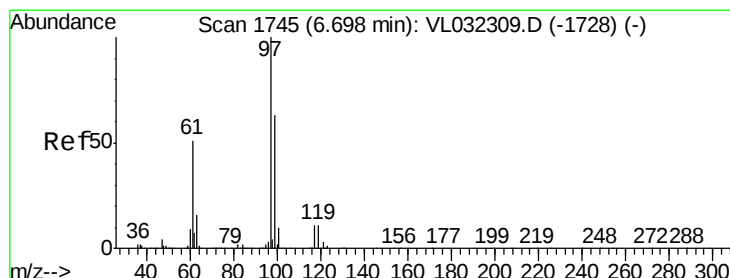
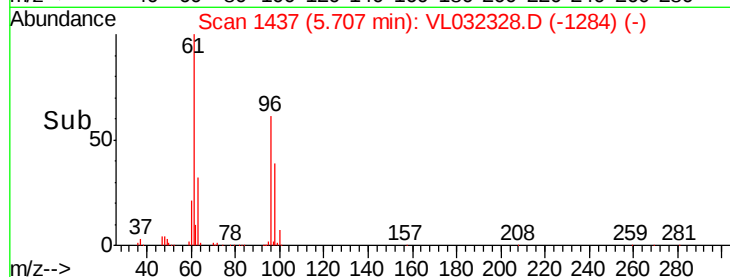
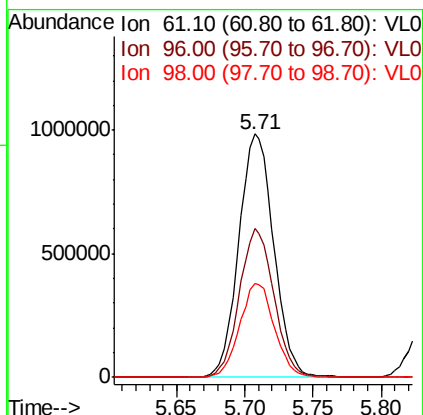
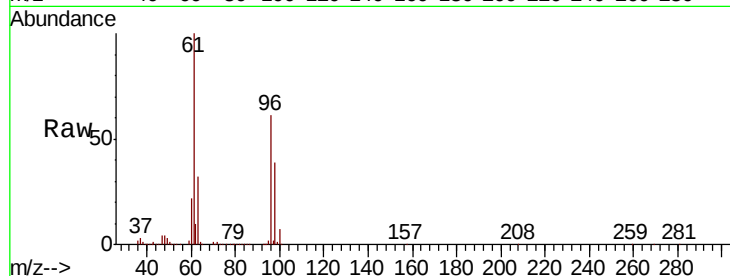




#31
 cis-1,2-Dichloroethene
 Concen: 10.551 ppbv
 RT: 5.71 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

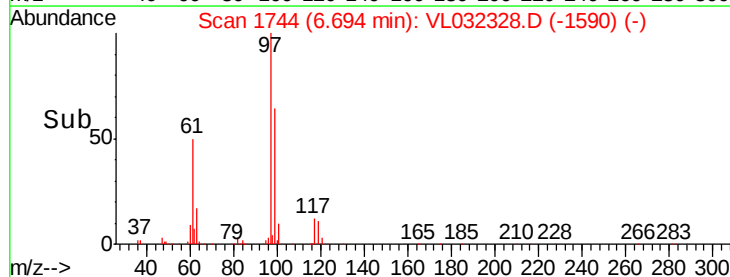
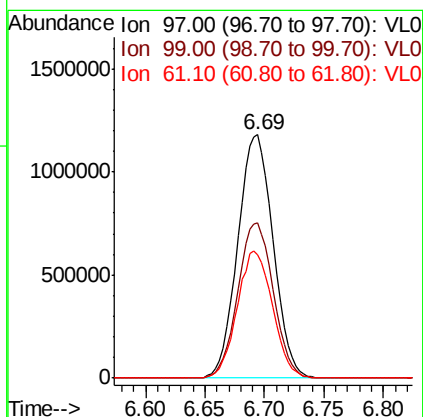
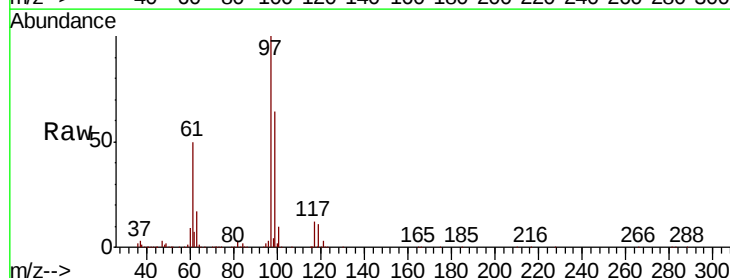
Instrument :
 MSVOA_L
 ClientSampled :

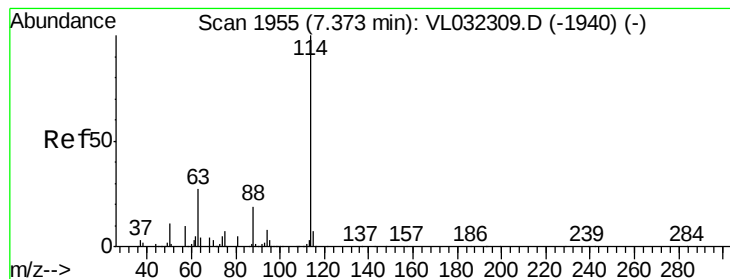
Tot Ion: 61 Resp: 1748243
 Ion Ratio Lower Upper
 61 100
 96 61.0 49.8 74.6
 98 38.6 31.8 47.6



#32
 1,1,1-Trichloroethane
 Concen: 10.564 ppbv
 RT: 6.69 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion: 97 Resp: 2430318
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 52.1 41.8 62.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

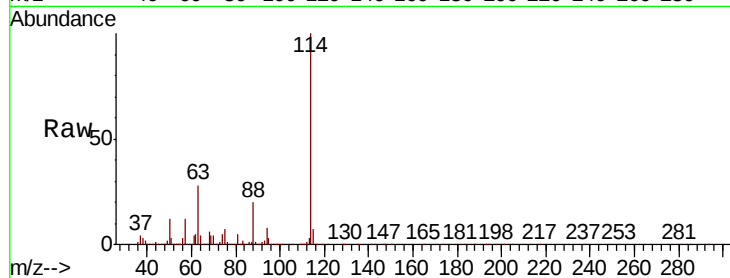
Tot Ion:114 Resp: 4770054

Ion Ratio Lower Upper

114 100

63 28.6 22.4 33.6

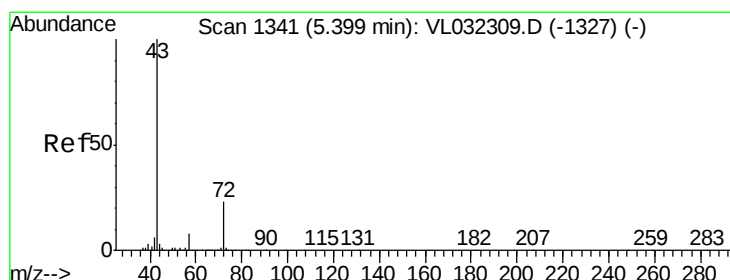
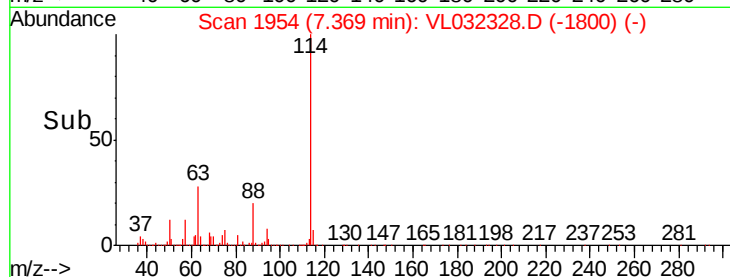
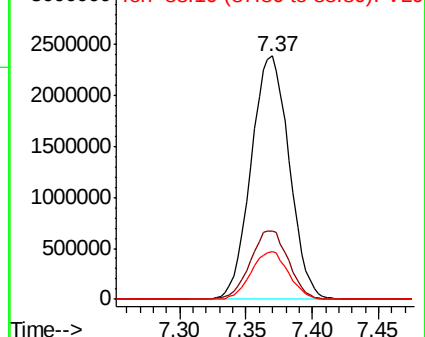
88 19.4 15.3 22.9



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: 8.482 ppbv

RT: 5.39 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VL032328.D

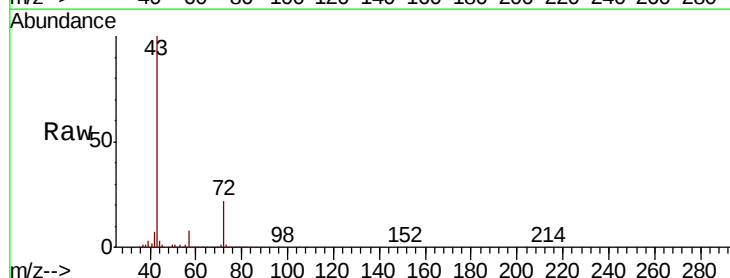
Acq: 1 Aug 2018 16:50

Tgt Ion: 43 Resp: 2618748

Ion Ratio Lower Upper

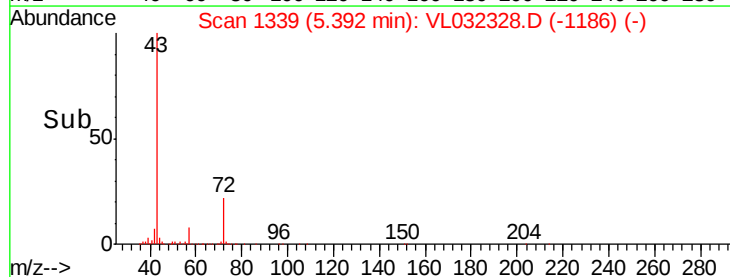
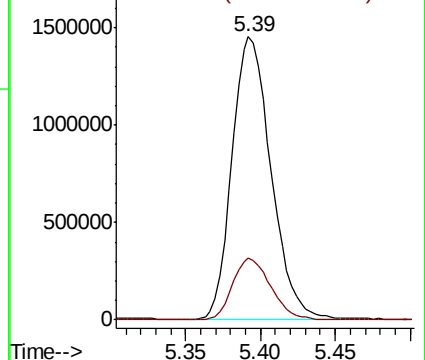
43 100

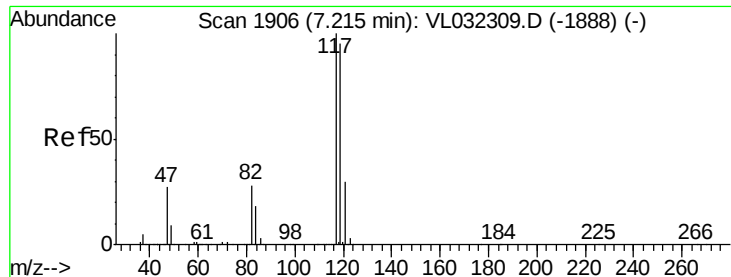
72 21.8 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

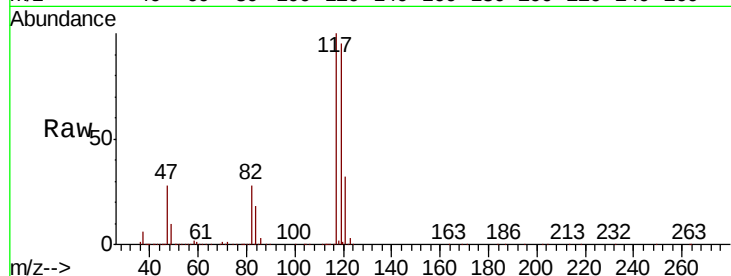




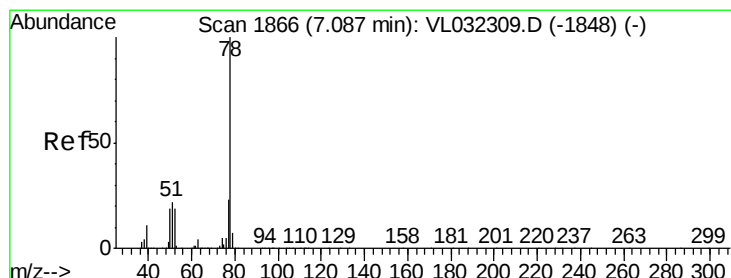
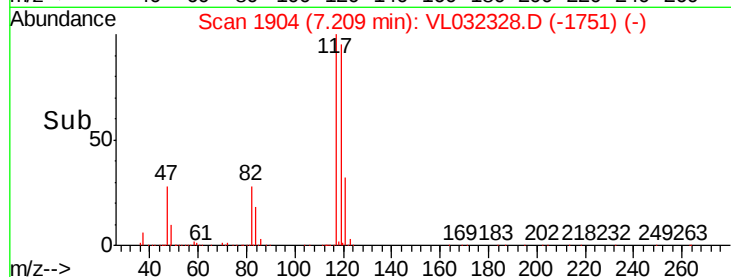
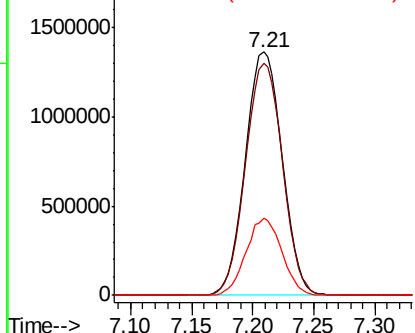
#35
Carbon Tetrachloride
Concen: 10.504 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2846086
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1
121 31.6 24.4 36.6

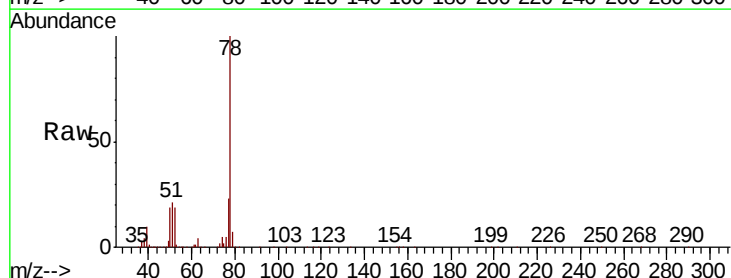


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

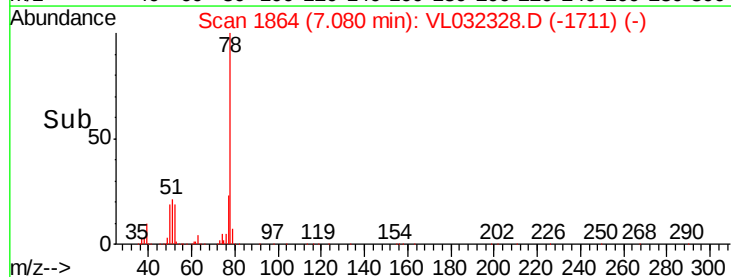
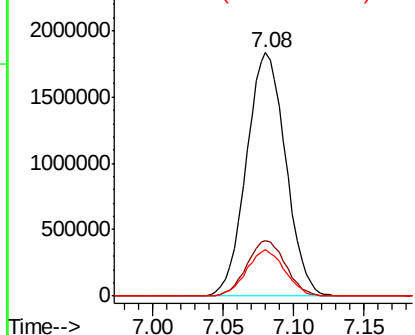


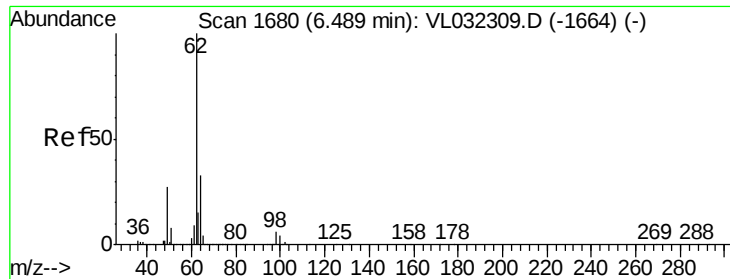
#36
Benzene
Concen: 8.506 ppbv
RT: 7.08 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 78 Resp: 3576454
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
50 18.9 15.3 22.9



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: 8.333 ppbv

RT: 6.49 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

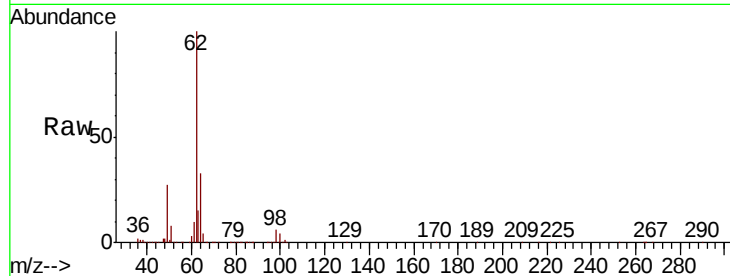
ClientSampleId :

Tot Ion: 62 Resp: 2024513

Ion Ratio Lower Upper

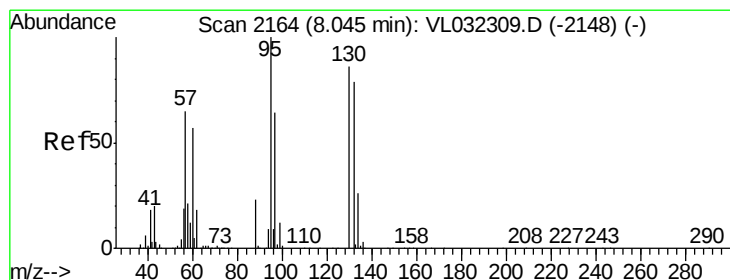
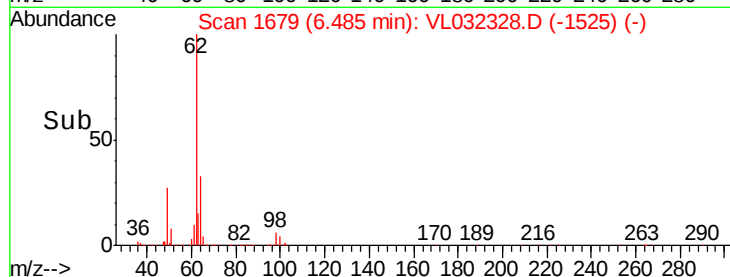
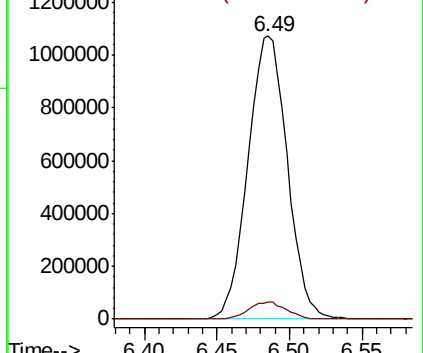
62 100

98 6.0 5.1 7.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.509 ppbv

RT: 8.04 min Scan# 2162

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion:130 Resp: 1382749

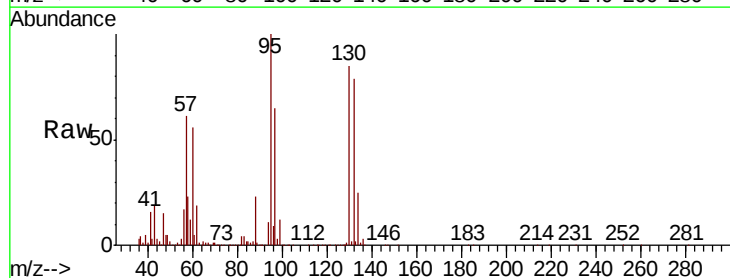
Ion Ratio Lower Upper

130 100

95 118.5 92.9 139.3

132 93.3 73.0 109.4

97 77.6 59.6 89.4

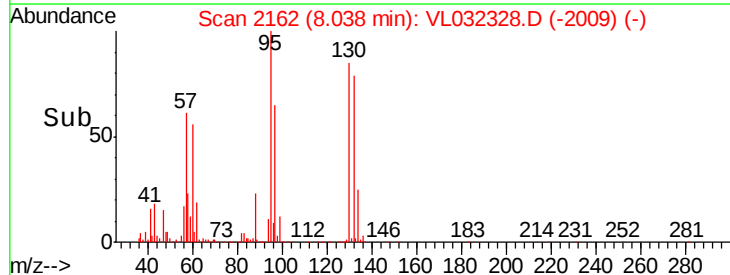
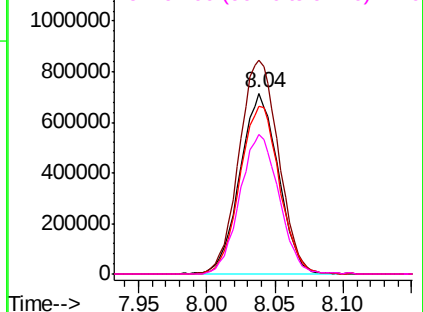


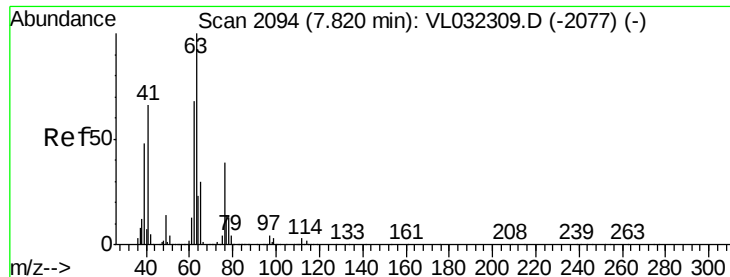
Abundance Ion 130.00 (129.70 to 130.70): V

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

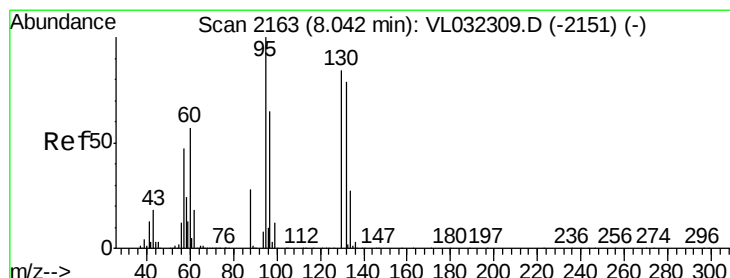
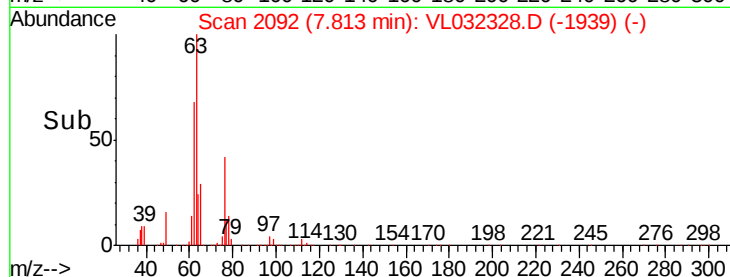
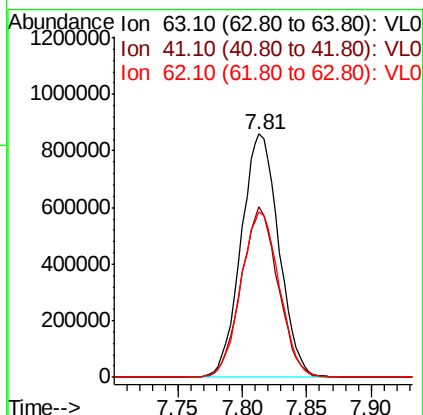
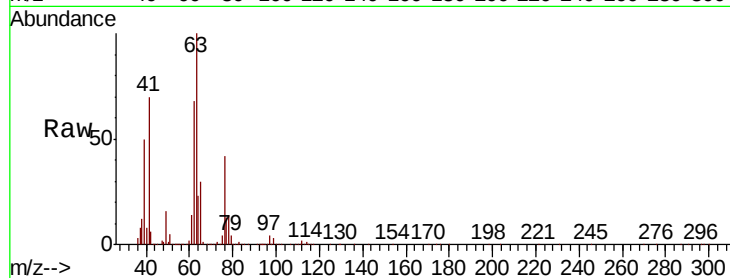




#39
 1,2-Dichloropropane
 Concen: 8.311 ppbv
 RT: 7.81 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

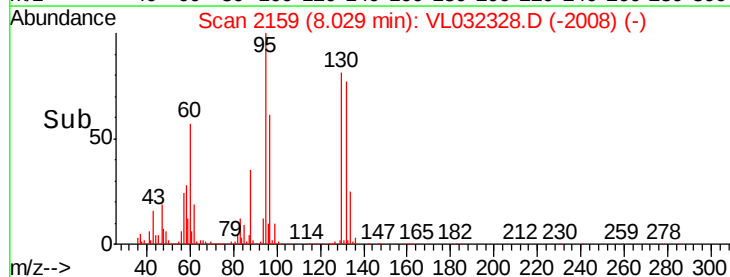
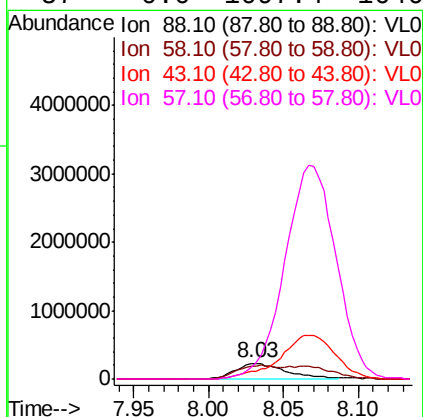
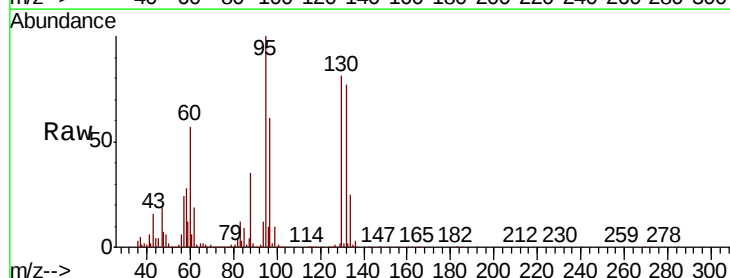
Instrument :
 MSVOA_L
 ClientSampled :

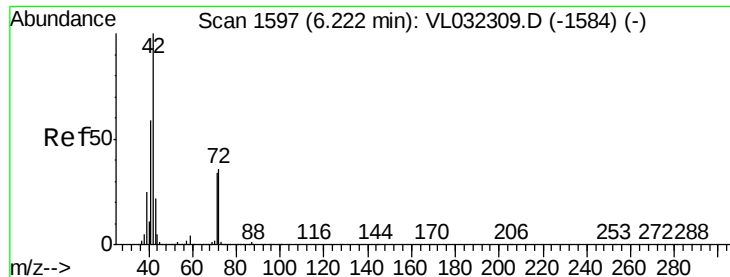
Tot Ion: 63 Resp: 1758096
 Ion Ratio Lower Upper
 63 100
 41 69.9 52.5 78.7
 62 68.0 54.6 81.8



#40
 1,4-Dioxane
 Concen: 8.610 ppbv
 RT: 8.03 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion: 88 Resp: 534837
 Ion Ratio Lower Upper
 88 100
 58 151.8 120.5 180.7
 43 0.0 246.2 369.2#
 57 0.0 1097.4 1646.2#





#41

Tetrahydrofuran

Concen: 8.976 ppbv

RT: 6.22 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

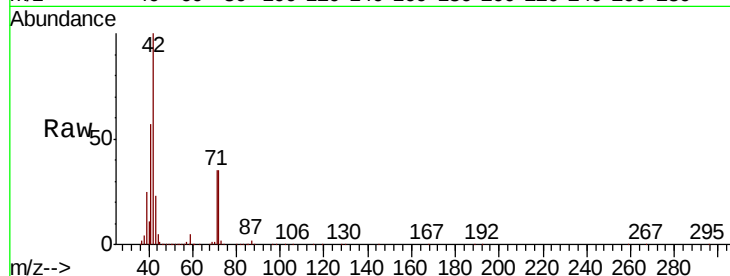
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 42 Resp: 1567611

Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.6	42.8
71	34.7	27.8	41.6

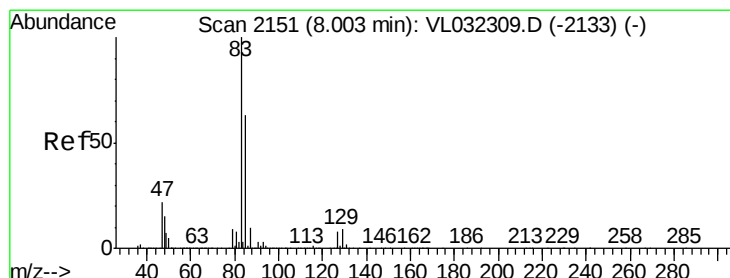
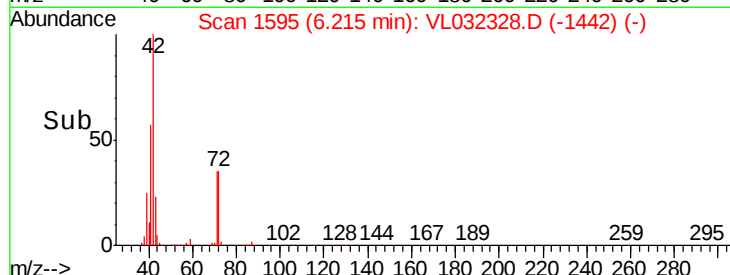
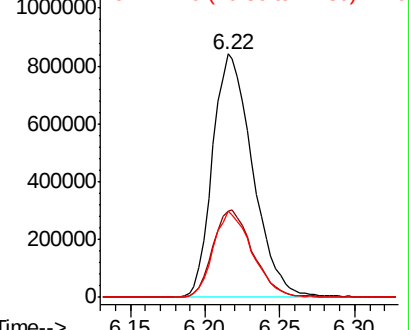


Abundance

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: 8.306 ppbv

RT: 7.99 min Scan# 2148

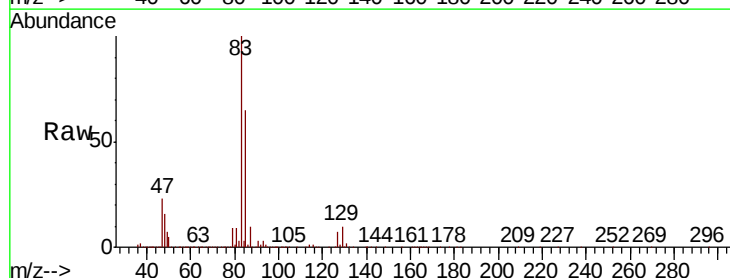
Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion: 83 Resp: 3267138

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1
127	7.2	6.0	9.0

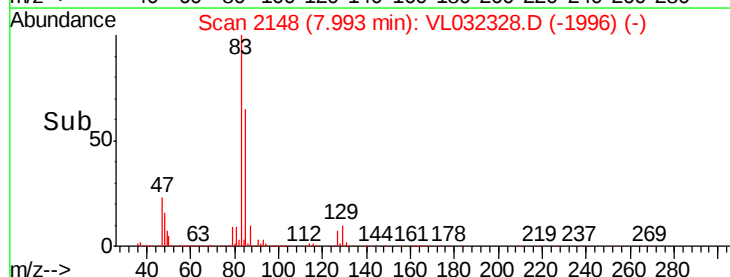
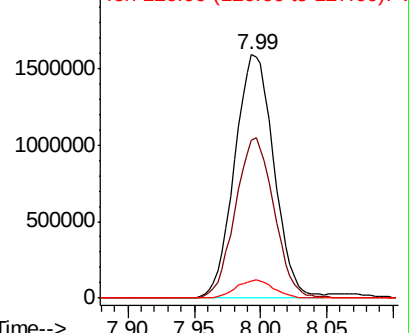


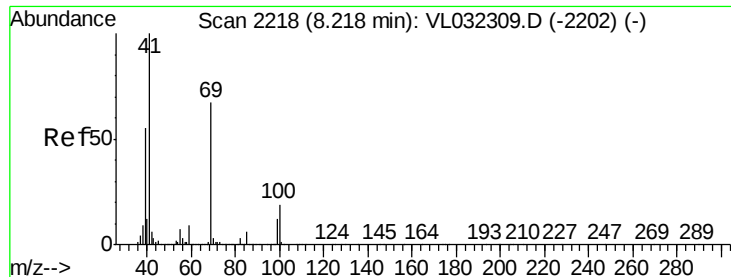
Abundance

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): VL0

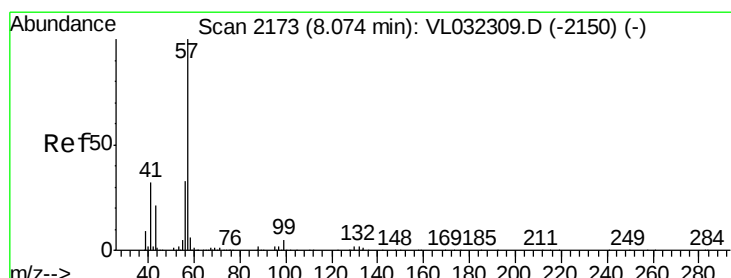
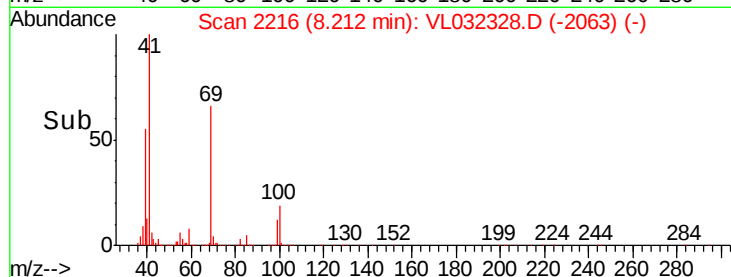
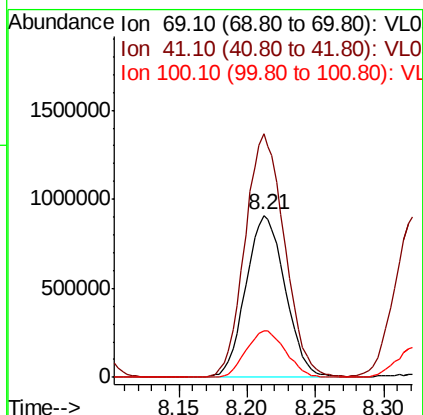
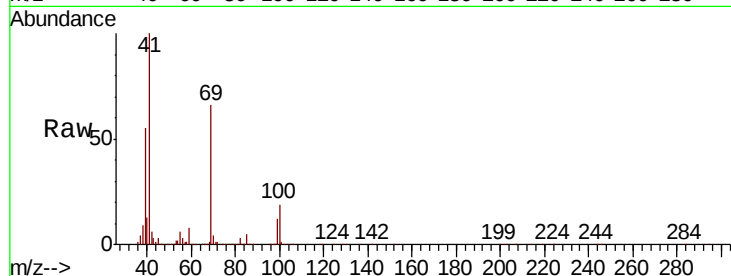




#43
Methvl Methacrylate
Concen: 9.014 ppbv
RT: 8.21 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

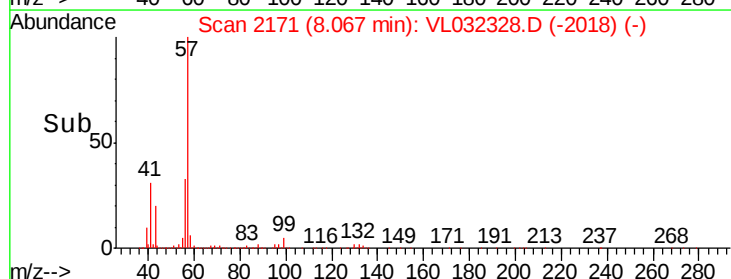
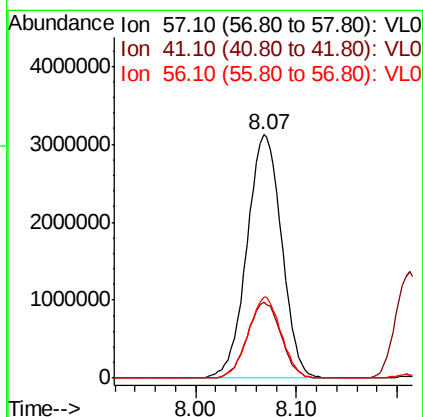
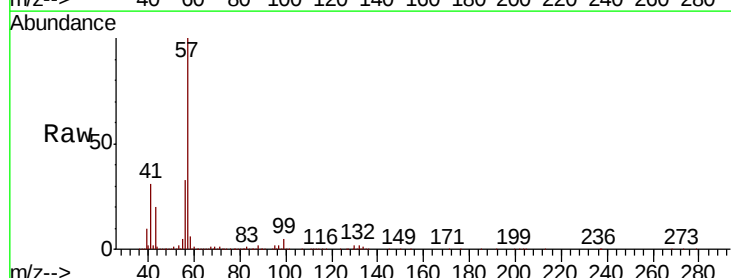
Instrument :
MSVOA_L
ClientSampleId :

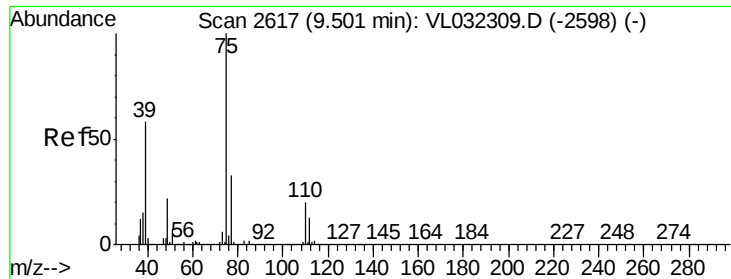
Tot Ion: 69 Resp: 1819400
Ion Ratio Lower Upper
69 100
41 150.9 120.6 180.8
100 28.9 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 8.165 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 57 Resp: 7444715
Ion Ratio Lower Upper
57 100
41 30.3 24.3 36.5
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.575 ppbv

RT: 9.49 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

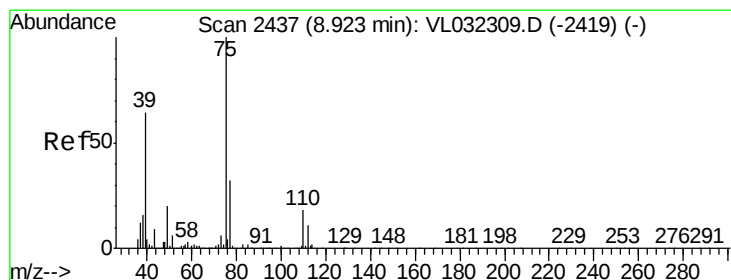
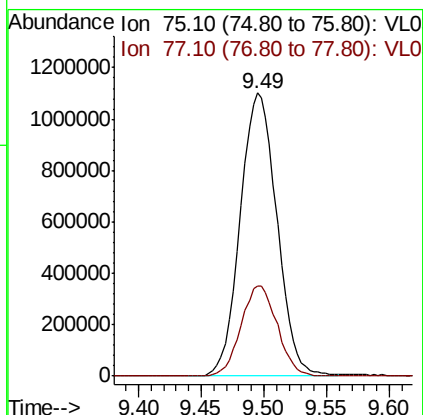
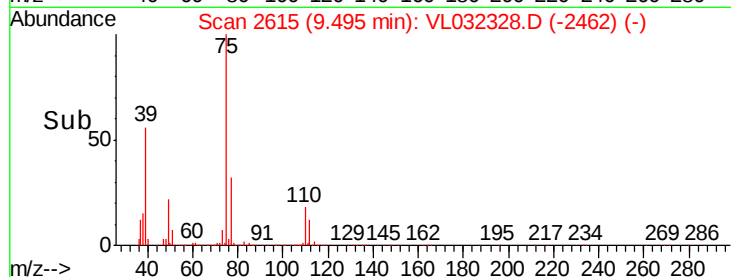
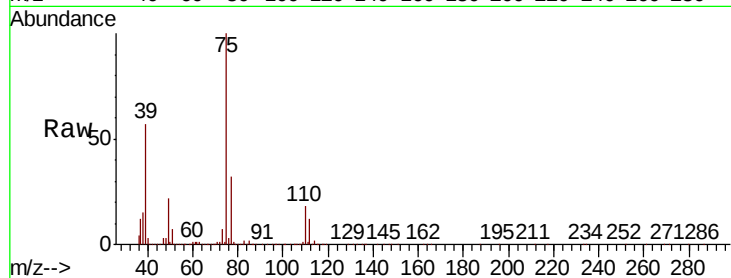
ClientSampleId :

Tot Ion: 75 Resp: 2239380

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



#46

cis-1,3-Dichloropropene

Concen: 9.253 ppbv

RT: 8.92 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

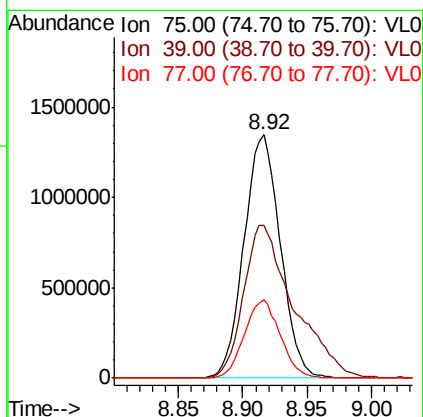
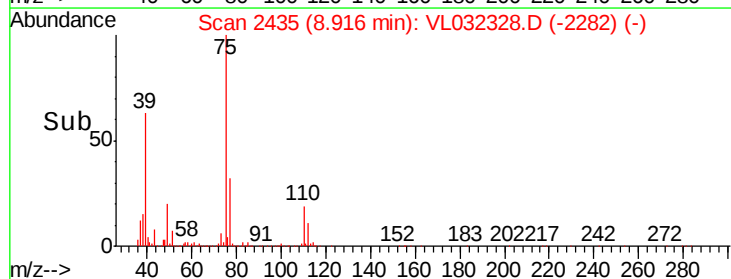
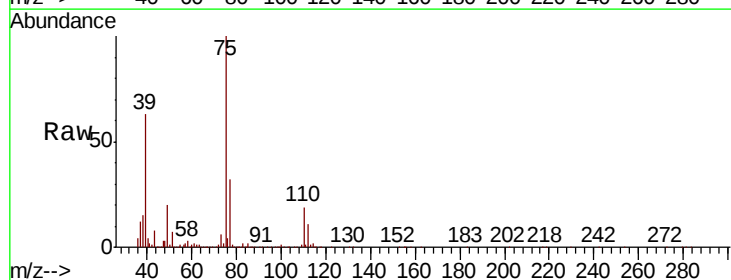
Tgt Ion: 75 Resp: 2651513

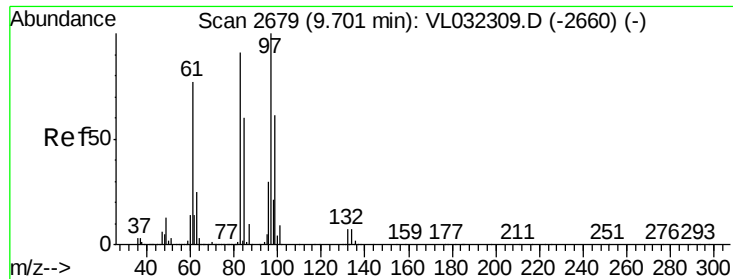
Ion Ratio Lower Upper

75 100

39 62.6 50.9 76.3

77 32.5 25.7 38.5



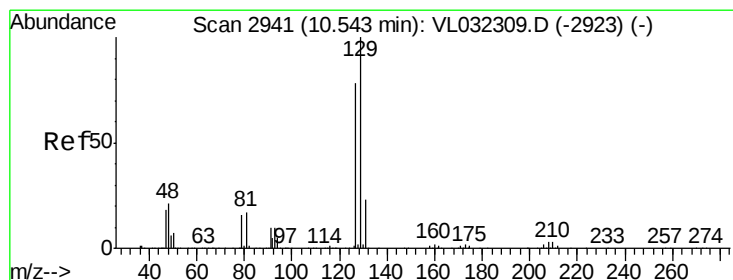
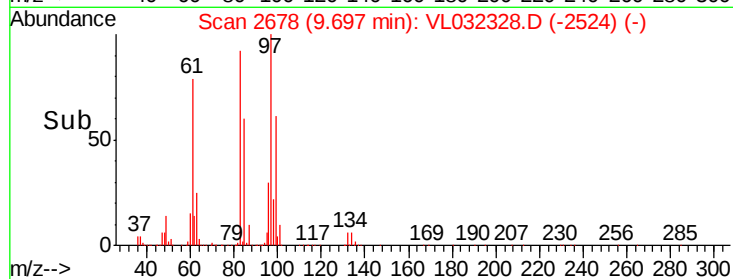
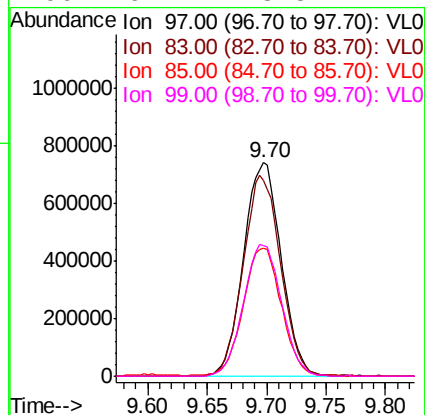
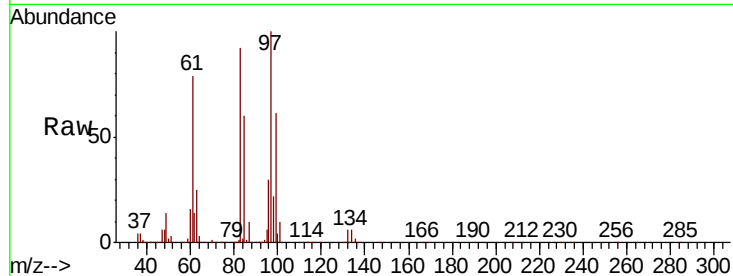


#47
 1,1,2-Trichloroethane
 Concen: 7.930 ppbv
 RT: 9.70 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1630631

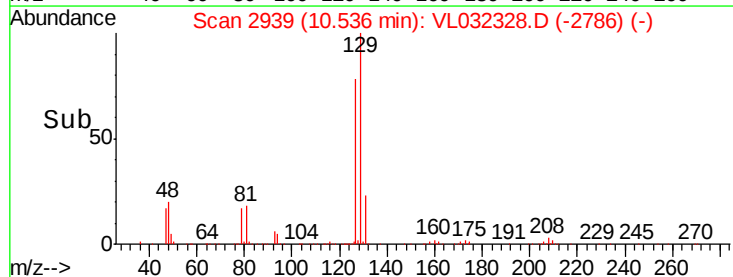
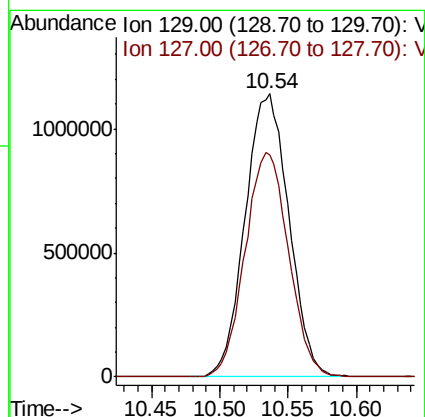
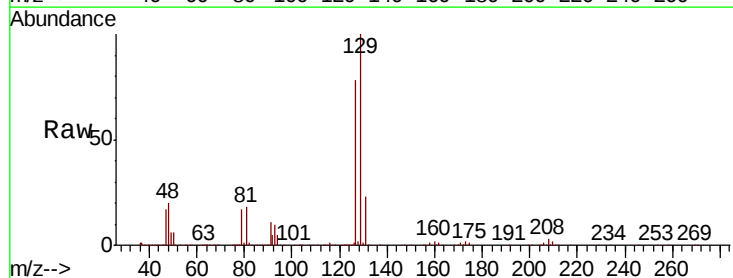
Ion	Ratio	Lower	Upper
97	100		
83	91.7	73.0	109.6
85	59.7	48.1	72.1
99	61.1	48.5	72.7

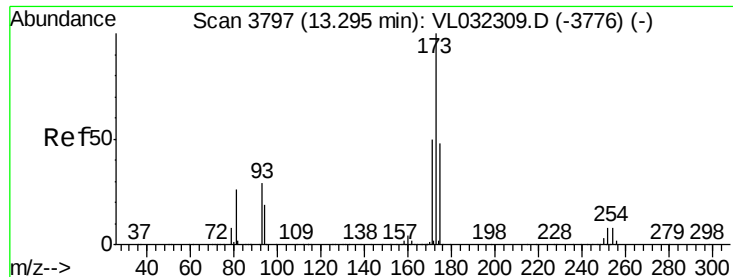


#48
 Dibromochloromethane
 Concen: 8.391 ppbv
 RT: 10.54 min Scan# 2939
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion: 129 Resp: 2543436

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.3





#49

Bromoform

Concen: 8.271 ppbv

RT: 13.29 min Scan# 3794

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

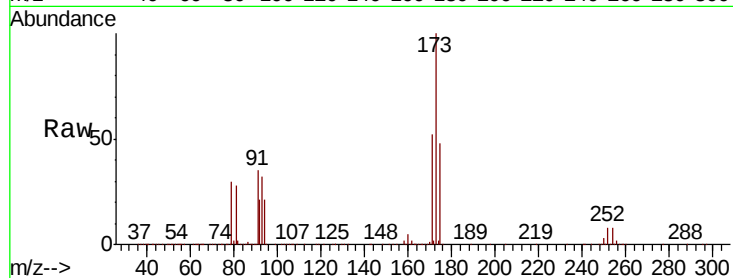
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 2064297

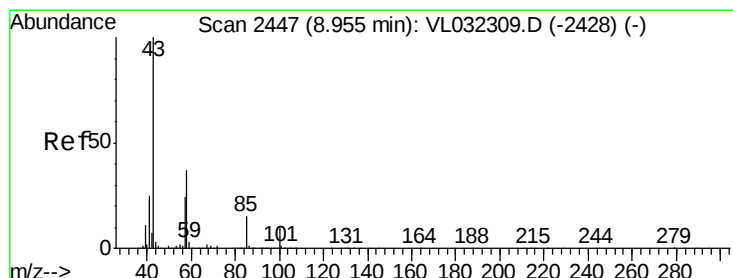
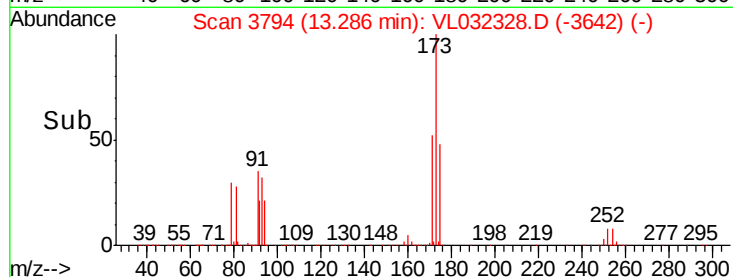
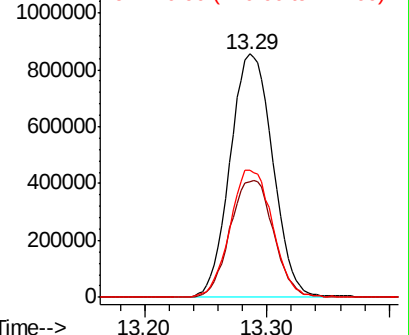
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.9	58.3
171	52.5	42.2	63.2



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: 8.536 ppbv

RT: 8.95 min Scan# 2445

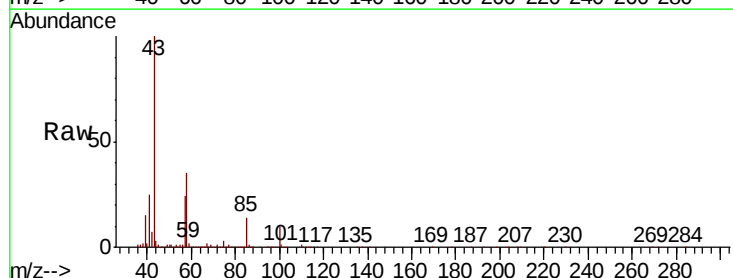
Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

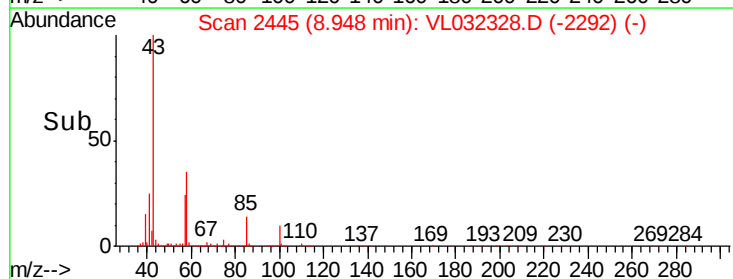
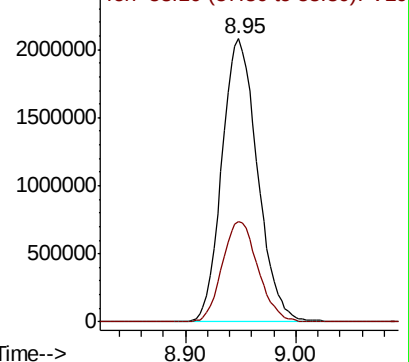
Tgt Ion: 43 Resp: 4650216

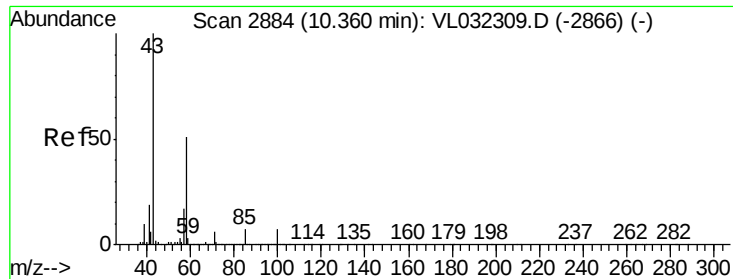
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.9	43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

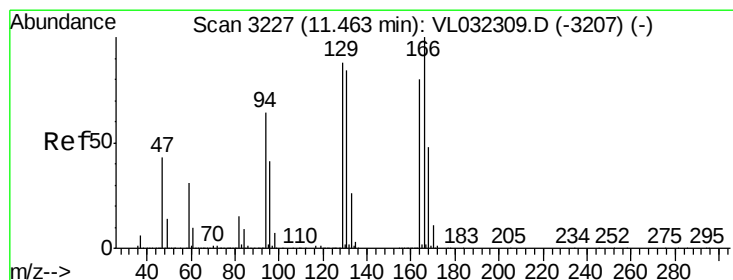
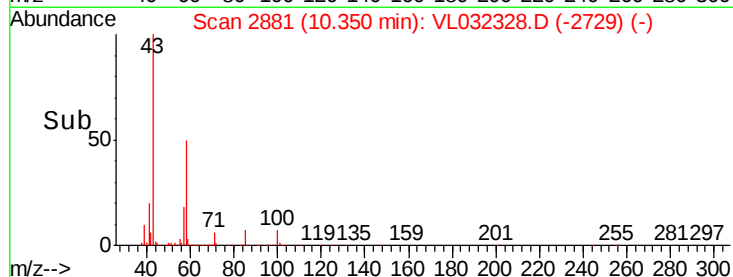
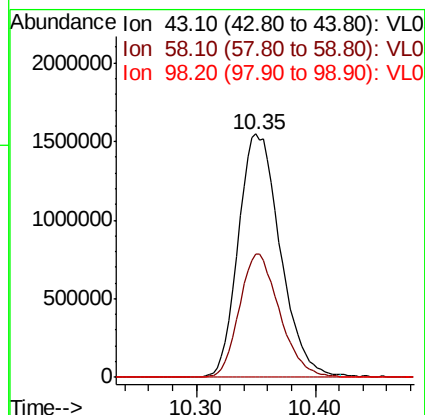
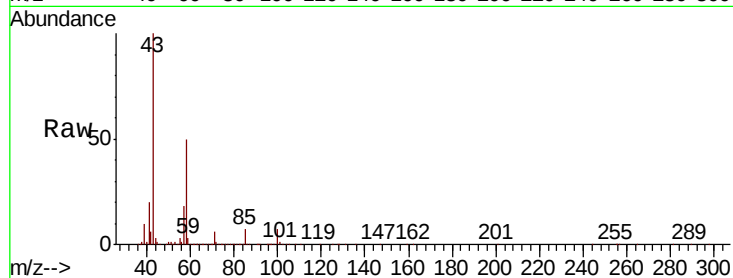




#51
2-Hexanone
Concen: 9.088 ppbv
RT: 10.35 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

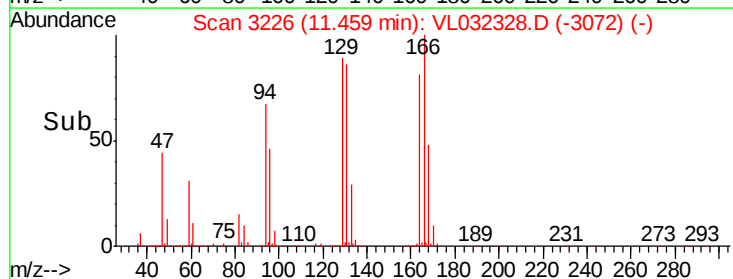
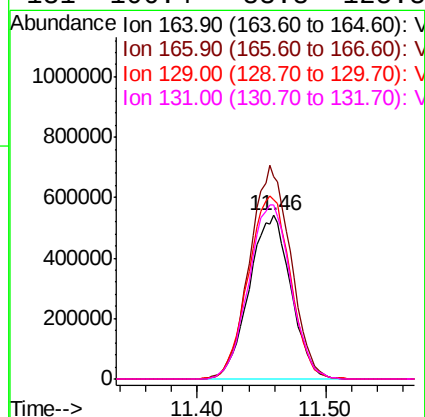
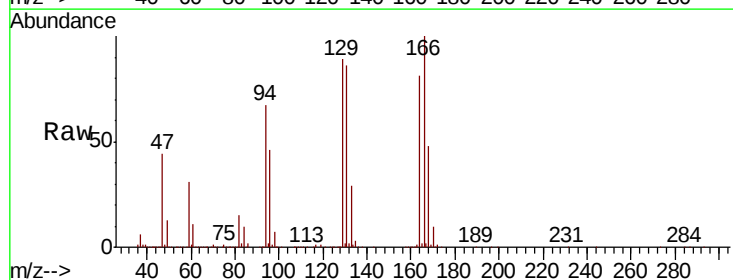
Instrument :
MSVOA_L
ClientSampleId :

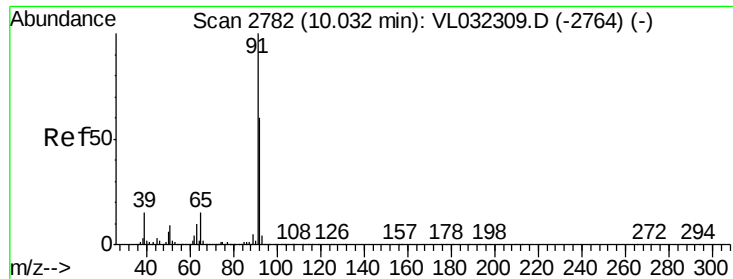
Tot Ion: 43 Resp: 3772663
Ion Ratio Lower Upper
43 100
58 49.1 39.1 58.7
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.605 ppbv
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion:164 Resp: 1219286
Ion Ratio Lower Upper
164 100
166 123.4 100.0 150.0
129 109.1 87.9 131.9
131 106.4 83.8 125.8





#53

Toluene

Concen: 9.264 ppbv

RT: 10.03 min Scan# 2781

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

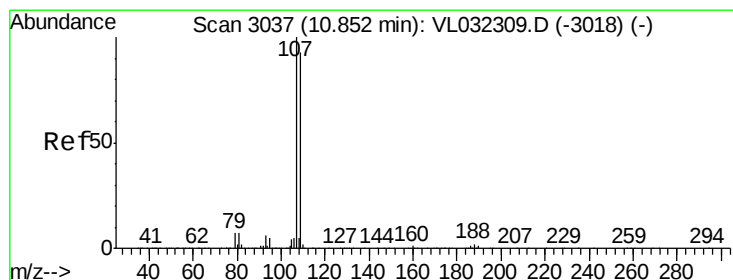
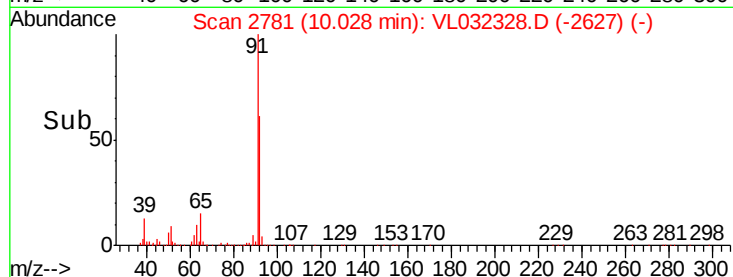
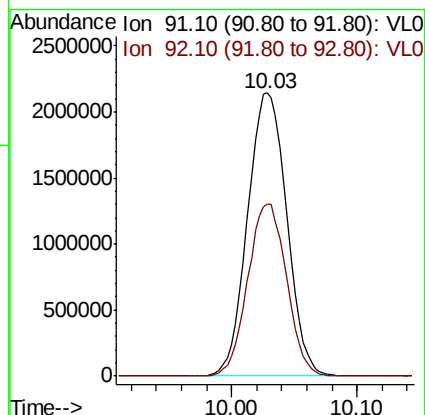
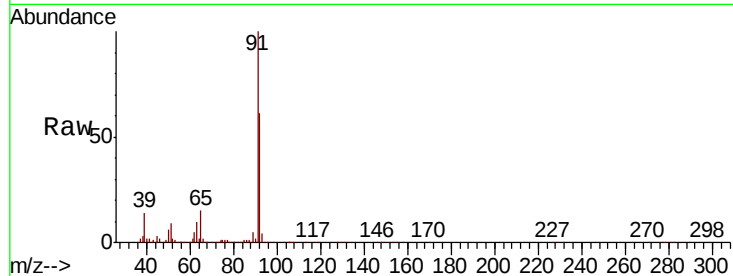
ClientSampleId :

Tot Ion: 91 Resp: 4656699

Ion Ratio Lower Upper

91 100

92 60.3 48.6 72.8



#54

1,2-Dibromoethane

Concen: 8.459 ppbv

RT: 10.85 min Scan# 3035

Delta R.T. -0.01 min

Lab File: VL032328.D

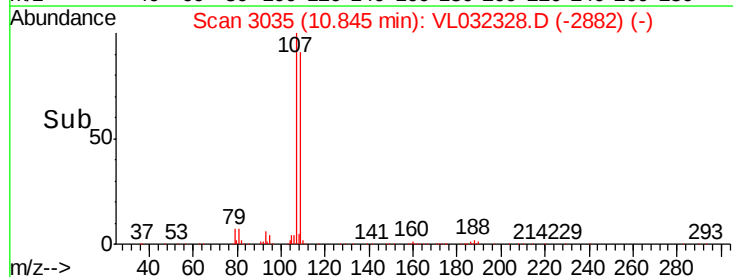
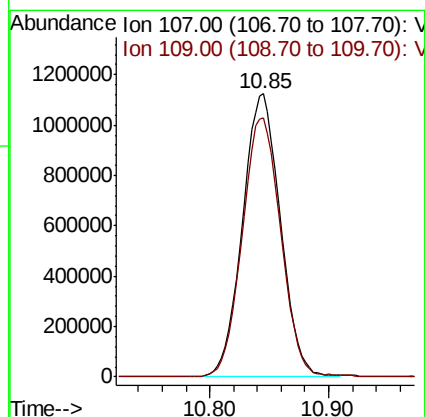
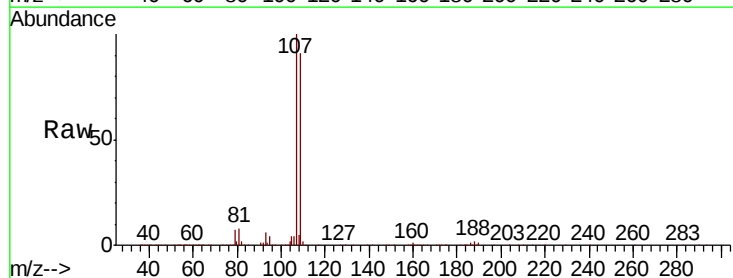
Acq: 1 Aug 2018 16:50

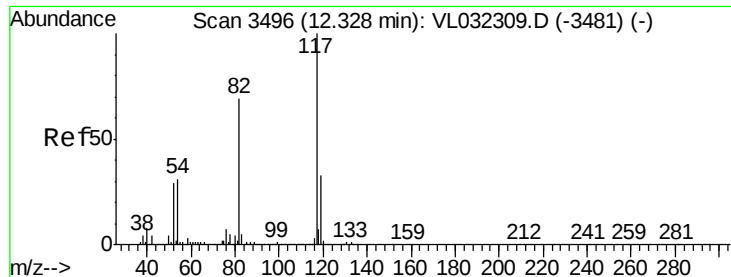
Tgt Ion: 107 Resp: 2471773

Ion Ratio Lower Upper

107 100

109 91.4 74.1 111.1

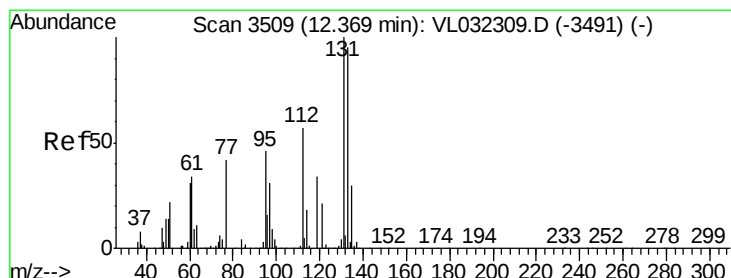
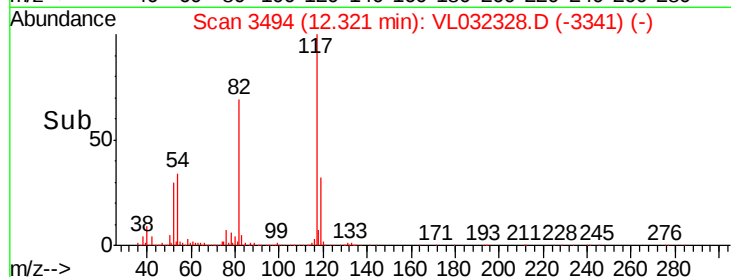
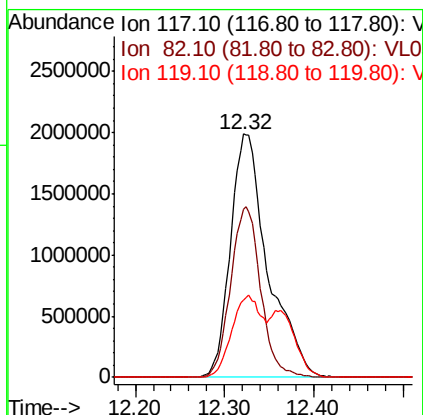
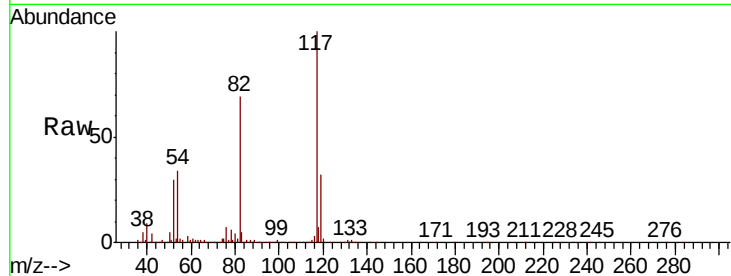




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3494
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

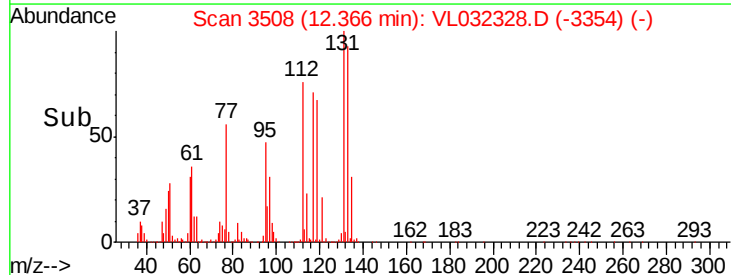
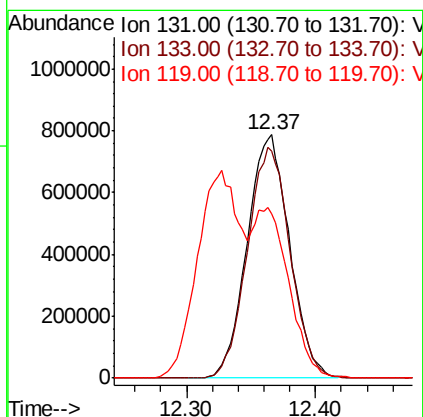
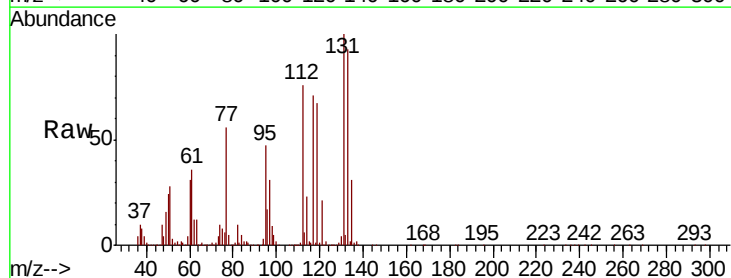
Instrument :
MSVOA_L
ClientSampled :

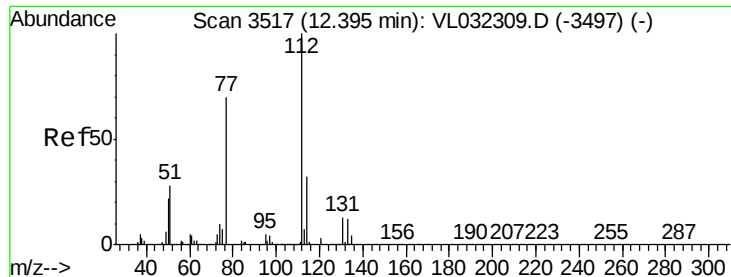
Tot Ion:117 Resp: 5789121
Ion Ratio Lower Upper
117 100
82 56.5 52.6 78.8
119 46.2 25.7 38.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.539 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion:131 Resp: 1799709
Ion Ratio Lower Upper
131 100
133 95.7 75.8 113.6
119 60.8 48.1 72.1





#57

Chlorobenzene

Concen: 7.282 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

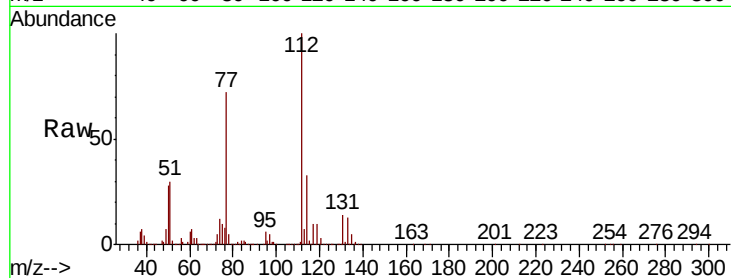
Tot Ion:112 Resp: 3278033

Ion Ratio Lower Upper

112 100

77 72.0 56.5 84.7

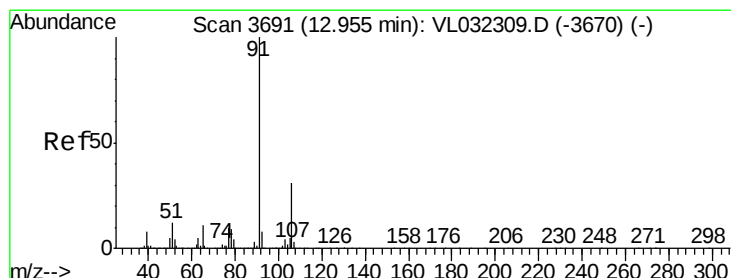
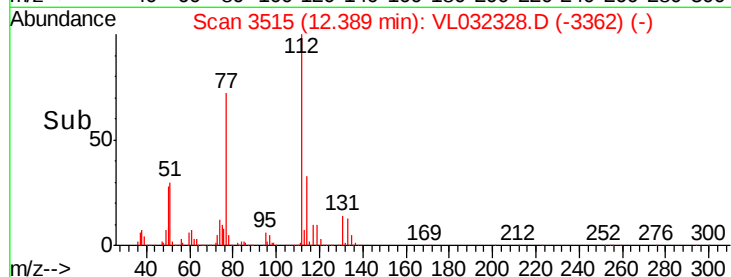
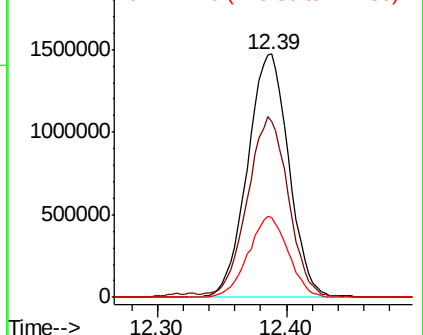
114 32.8 28.4 34.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.529 ppbv

RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032328.D

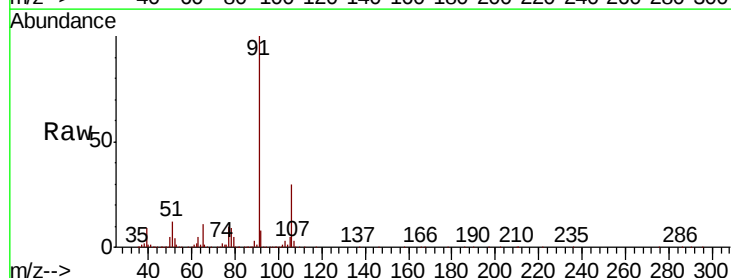
Acq: 1 Aug 2018 16:50

Tgt Ion: 91 Resp: 6189884

Ion Ratio Lower Upper

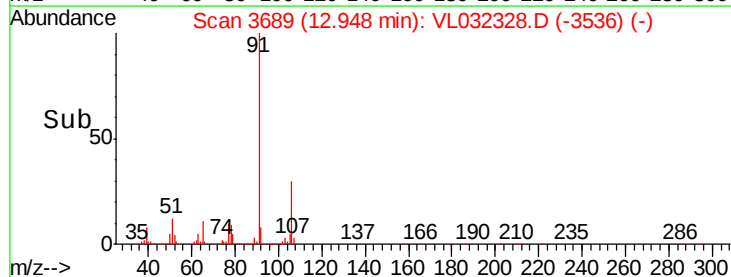
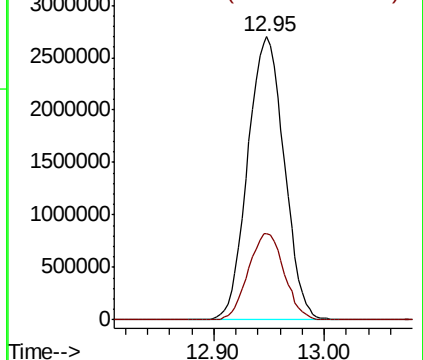
91 100

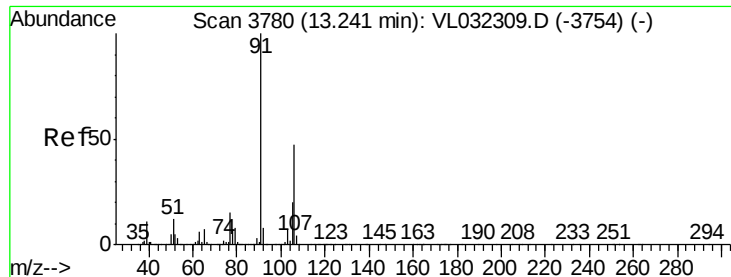
106 30.3 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

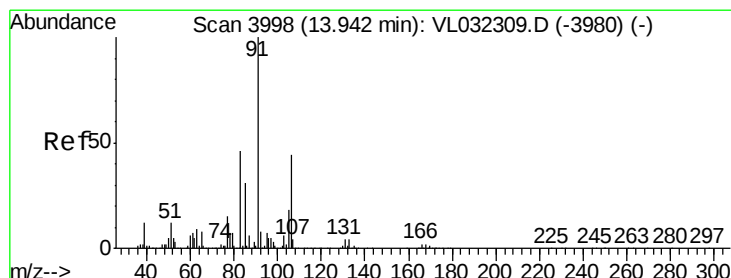
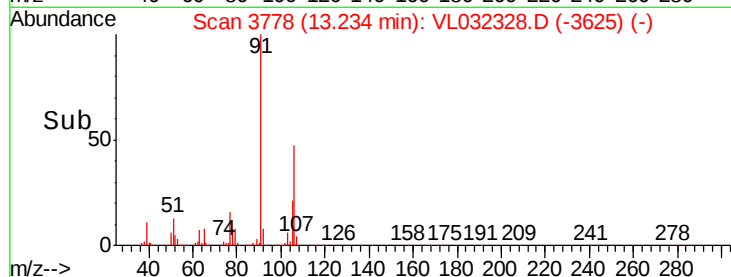
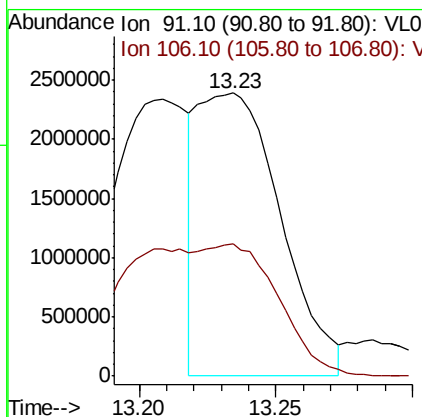
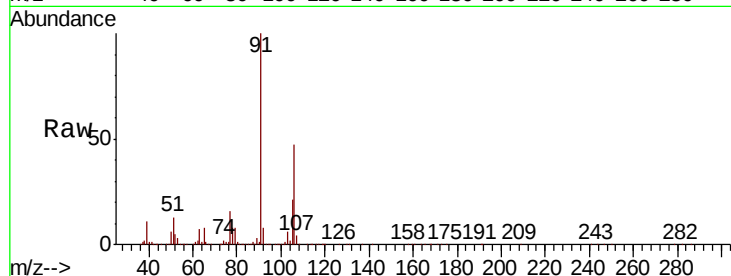




#59
m/p-Xylene
Concen: 8.109 ppbv
RT: 13.23 min Scan# 3778
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

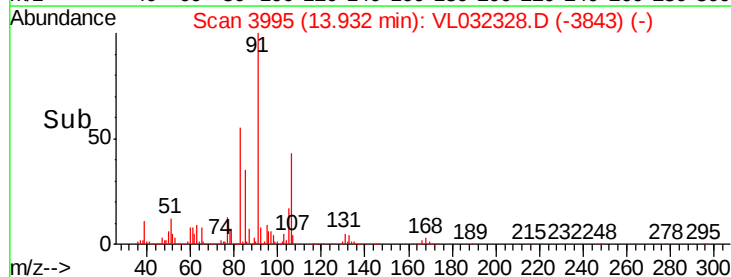
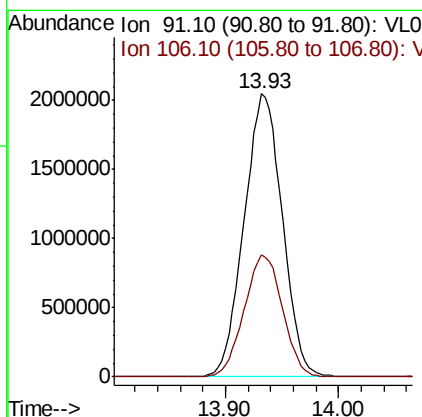
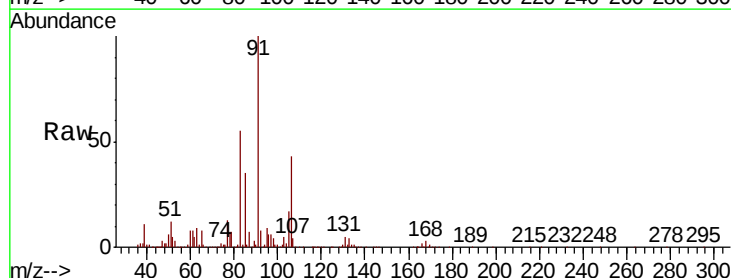
Instrument :
MSVOA_L
ClientSampleId :

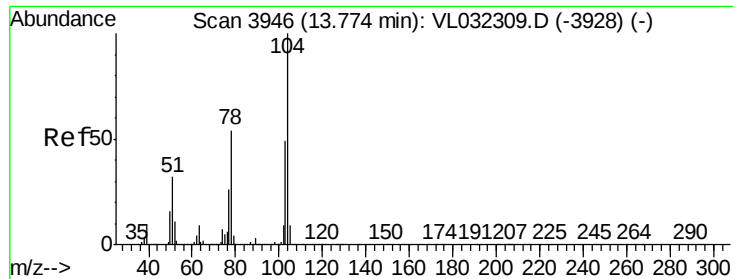
Tot Ion: 91 Resp: 5010750
Ion Ratio Lower Upper
91 100
106 89.4 36.4 54.6#



#60
o-Xylene
Concen: 7.934 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 91 Resp: 4806558
Ion Ratio Lower Upper
91 100
106 43.5 22.4 67.0





#61

Stvrene

Concen: 8.596 ppbv

RT: 13.77 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

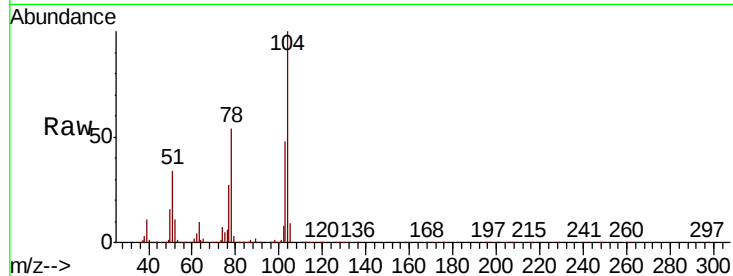
Tot Ion:104 Resp: 3832899

Ion Ratio Lower Upper

104 100

78 53.9 42.6 63.8

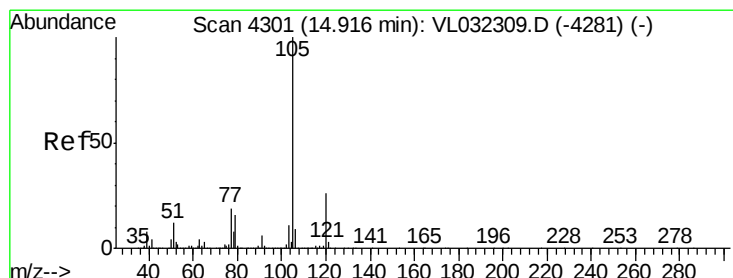
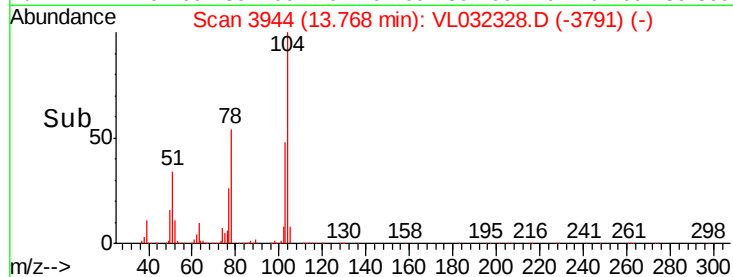
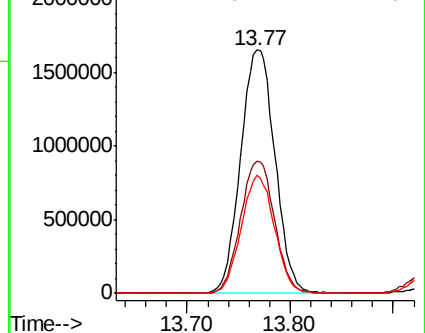
103 47.0 38.0 57.0



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: 7.922 ppbv

RT: 14.91 min Scan# 4299

Delta R.T. -0.01 min

Lab File: VL032328.D

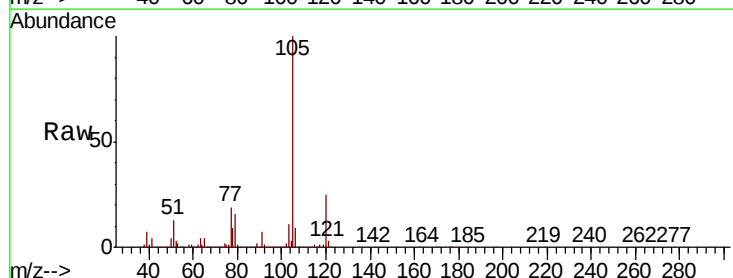
Acq: 1 Aug 2018 16:50

Tgt Ion:105 Resp: 6818747

Ion Ratio Lower Upper

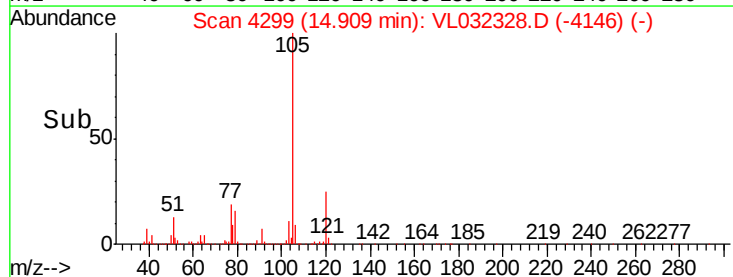
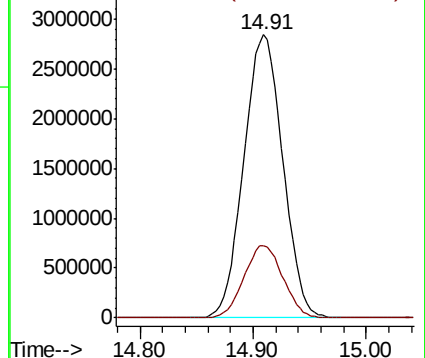
105 100

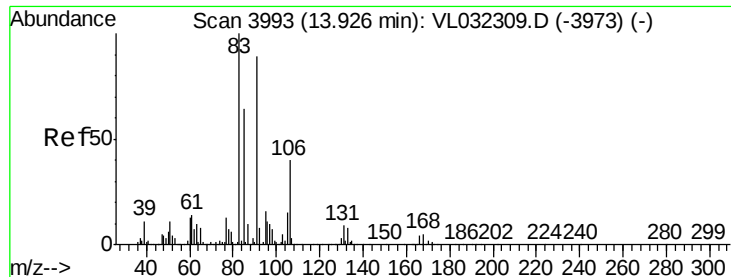
120 25.6 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.220 ppbv

RT: 13.92 min Scan# 3991

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

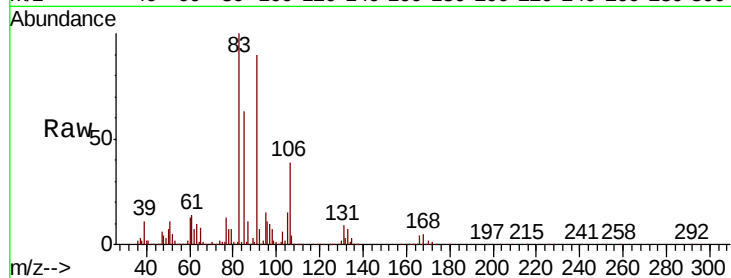
Tot Ion: 83 Resp: 3559419

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	64.9	32.6	97.7

83 100

131 8.3 4.3 12.8

85 64.9 32.6 97.7

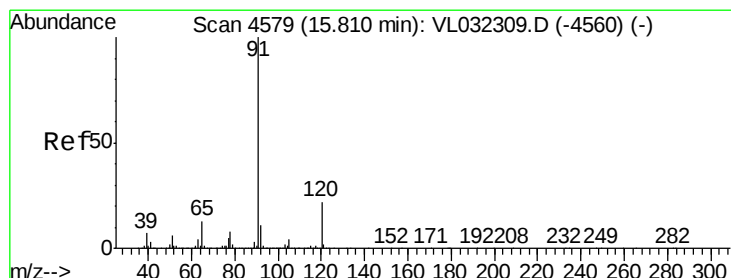
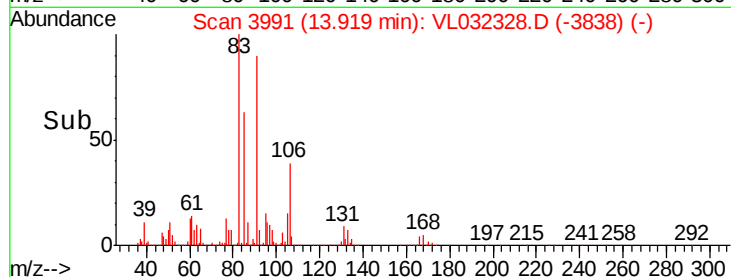
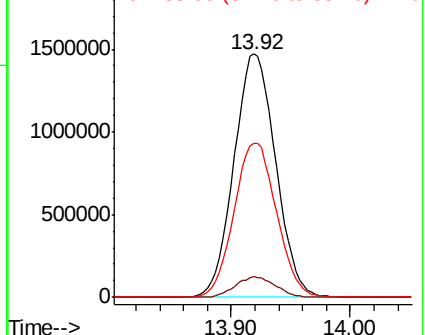


Abundance

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: 7.850 ppbv

RT: 15.81 min Scan# 4578

Delta R.T. -0.00 min

Lab File: VL032328.D

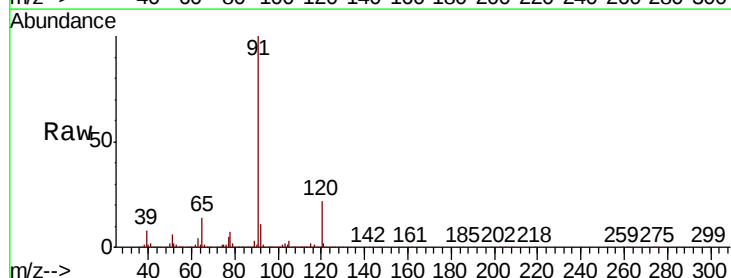
Acq: 1 Aug 2018 16:50

Tgt Ion: 120 Resp: 1758996

Ion	Ratio	Lower	Upper
120	100		
91	486.5	381.8	572.8

120 100

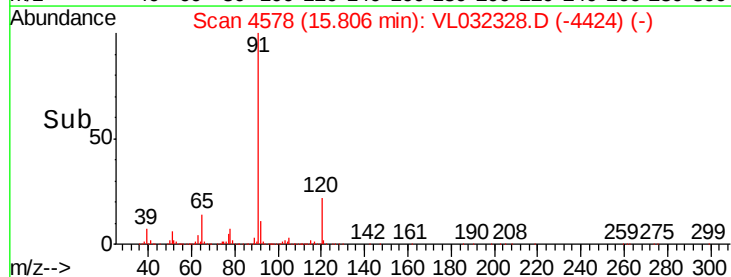
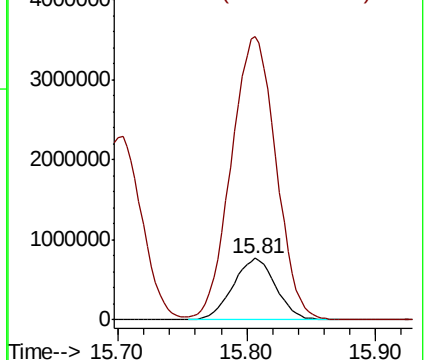
91 486.5 381.8 572.8

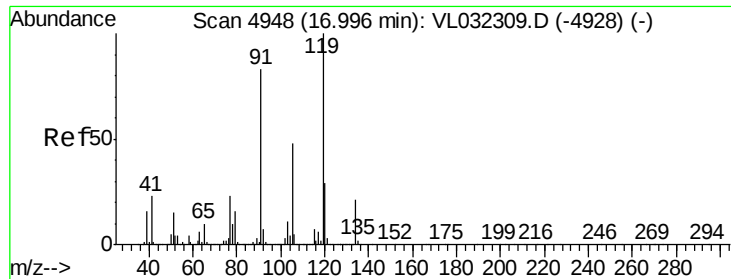


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.707 ppbv

RT: 16.99 min Scan# 4947

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

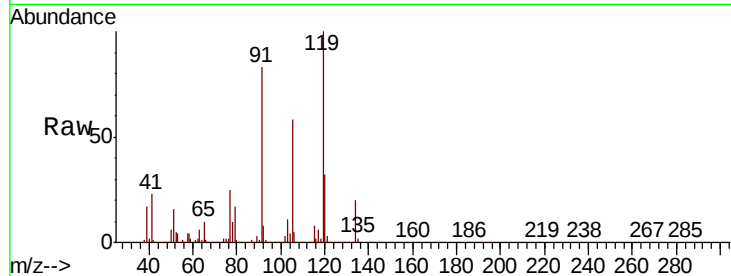
Tot Ion:119 Resp: 5604106

Ion Ratio Lower Upper

119 100

91 85.2 67.5 101.3

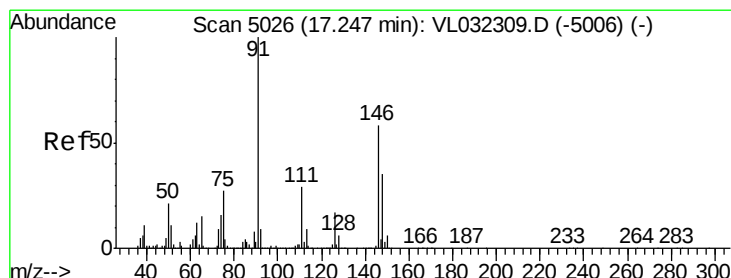
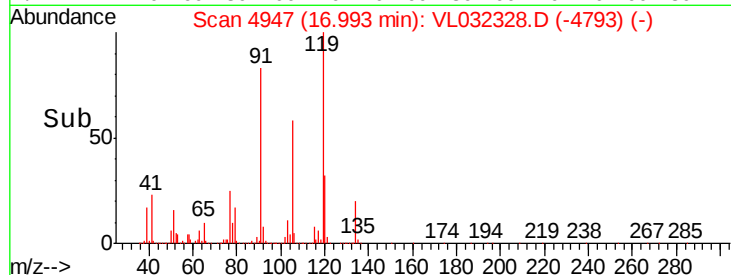
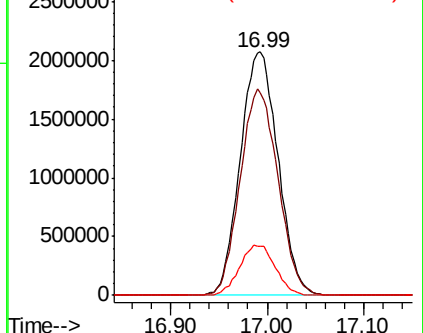
134 19.6 15.8 23.6



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: 8.371 ppbv

RT: 17.24 min Scan# 5024

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

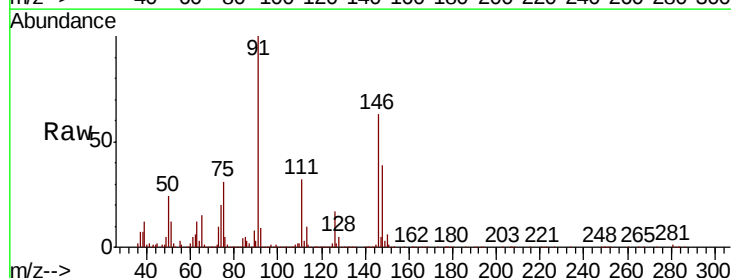
Tgt Ion: 91 Resp: 3628058

Ion Ratio Lower Upper

91 100

126 17.0 13.7 20.5

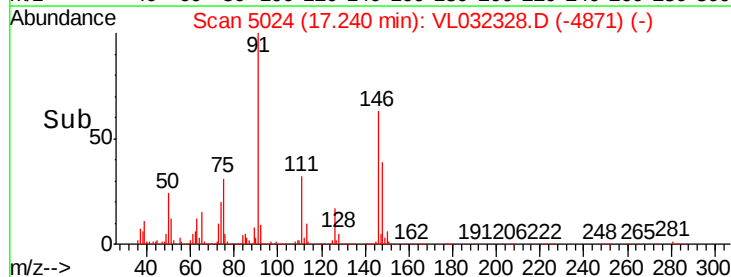
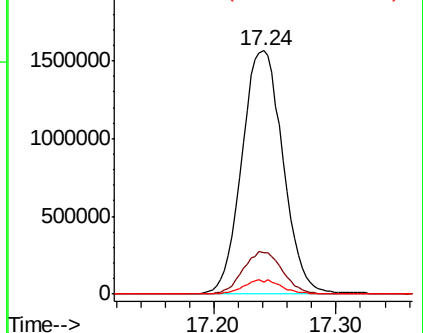
128 5.4 4.3 6.5

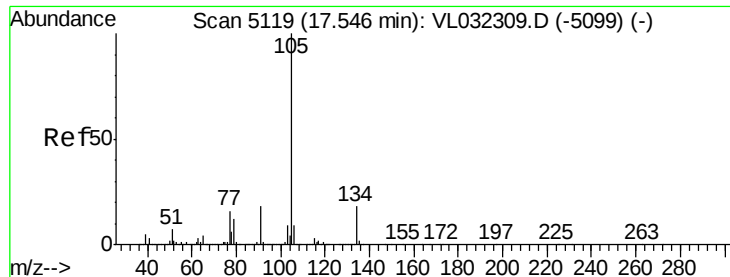


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.720 ppbv

RT: 17.54 min Scan# 5117

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

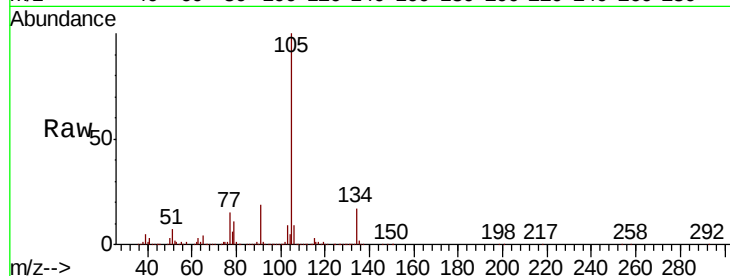
ClientSampleId :

Tot Ion:105 Resp: 8405907

Ion Ratio Lower Upper

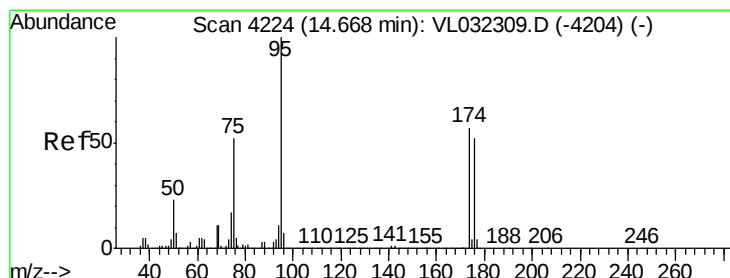
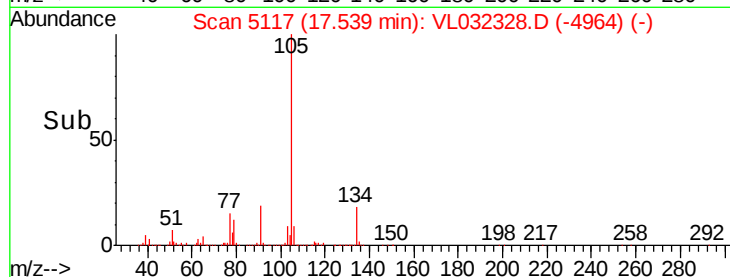
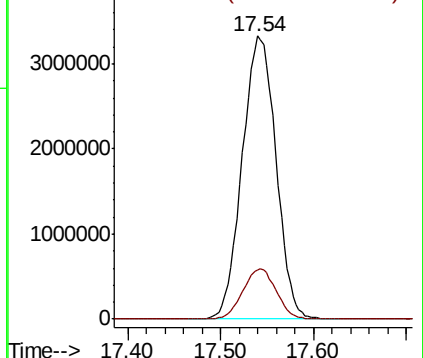
105 100

134 17.5 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.392 ppbv

RT: 14.66 min Scan# 4221

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

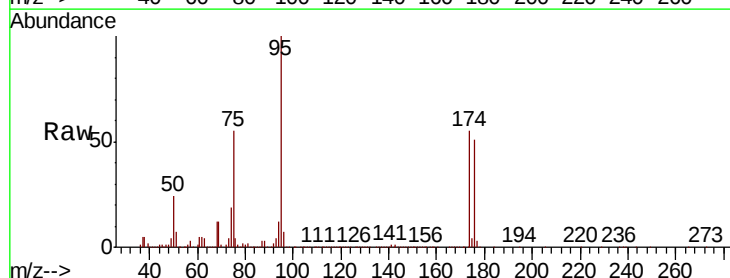
Tgt Ion: 95 Resp: 3770815

Ion Ratio Lower Upper

95 100

174 54.9 45.5 68.3

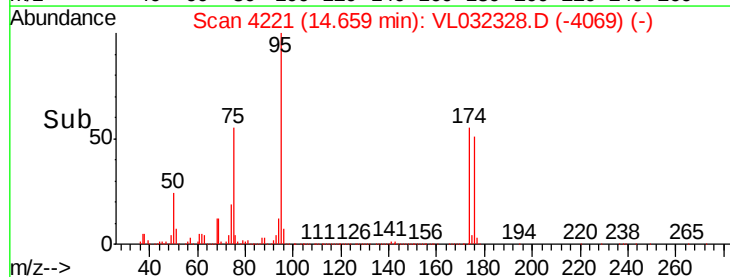
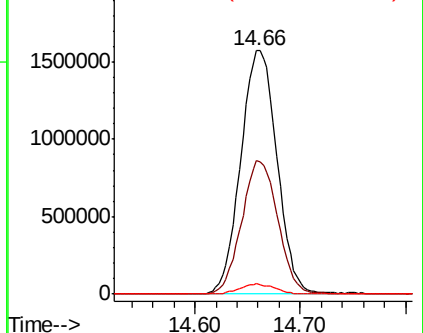
175 4.1 3.3 4.9

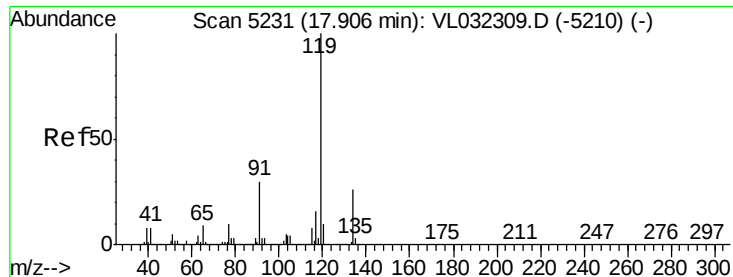


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

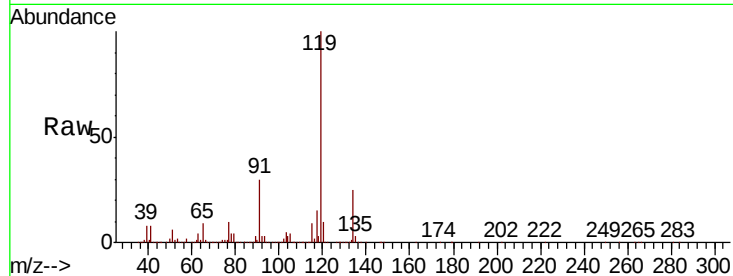




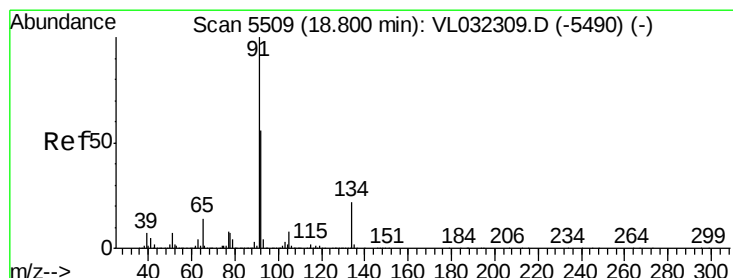
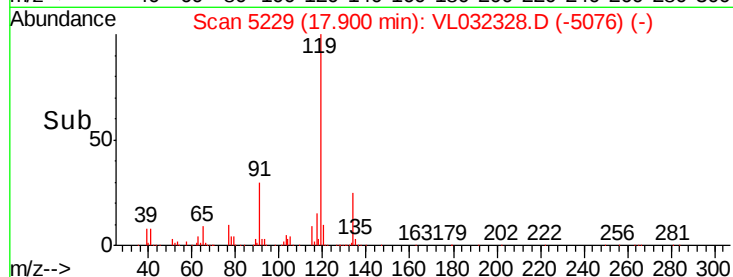
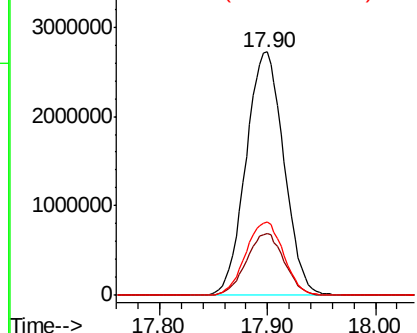
#69
 p-Isopropyltoluene
 Concen: 7.873 ppbv
 RT: 17.90 min Scan# 5229
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6641871
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 30.2 23.8 35.6

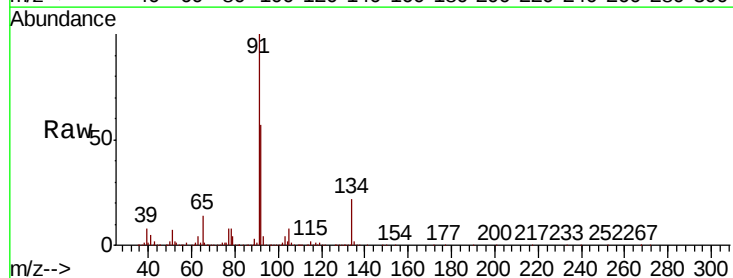


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

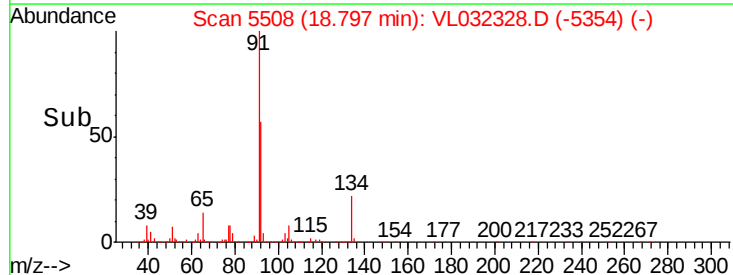
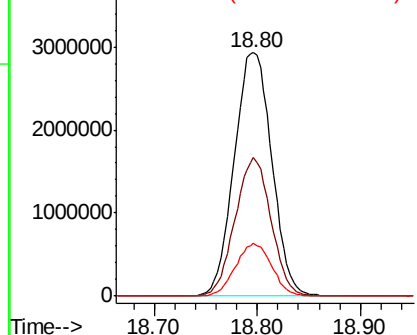


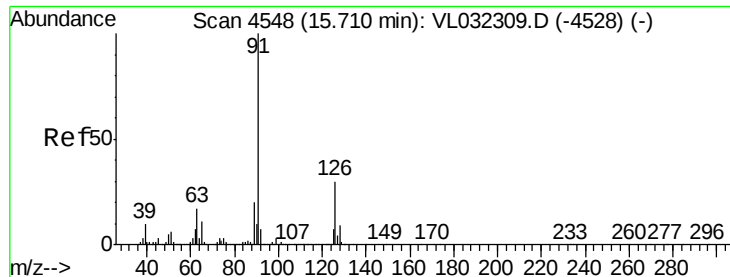
#70
 n-Butylbenzene
 Concen: 7.605 ppbv
 RT: 18.80 min Scan# 5508
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion: 91 Resp: 7408060
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.2 66.4
 134 21.0 17.4 26.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.111 ppbv

RT: 15.70 min Scan# 4546

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

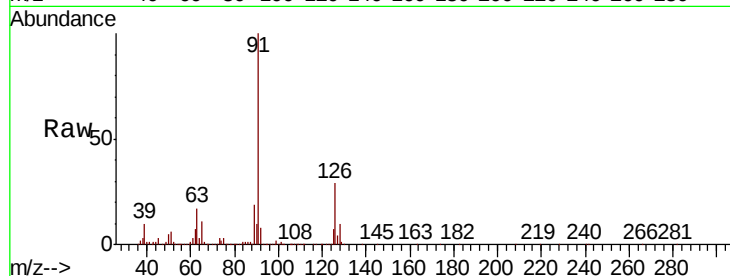
ClientSampleId :

Tot Ion: 91 Resp: 5478640

Ion Ratio Lower Upper

91 100

126 28.8 11.8 47.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

4000000

3000000

2000000

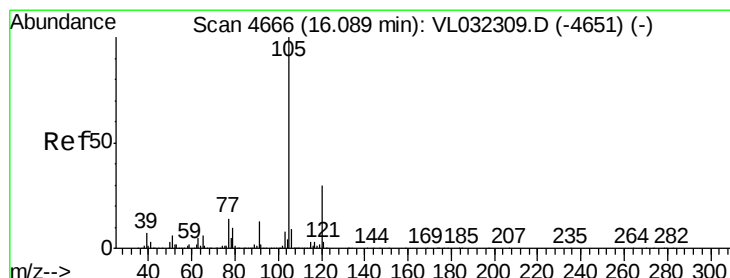
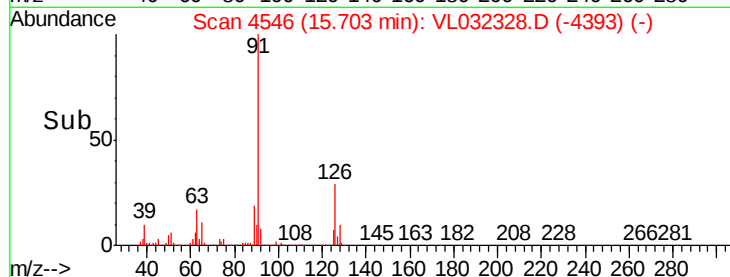
1000000

0

15.60

15.70

Time-->



#72

4-Ethyltoluene

Concen: 8.310 ppbv

RT: 16.08 min Scan# 4664

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion:105 Resp: 5642547

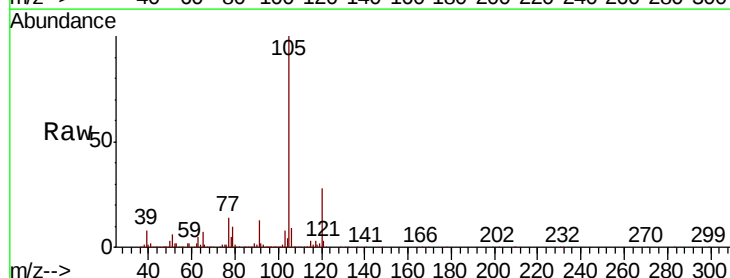
Ion Ratio Lower Upper

105 100

120 28.8 23.1 34.7

91 12.7 10.0 15.0

77 14.6 11.5 17.3



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

3000000

2000000

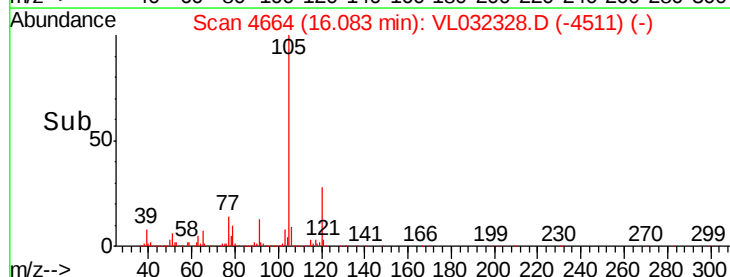
1000000

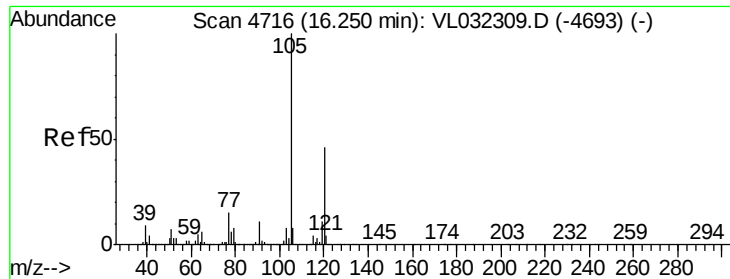
0

16.00

16.10

Time-->

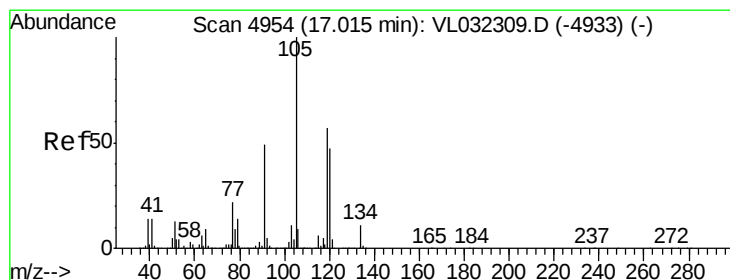
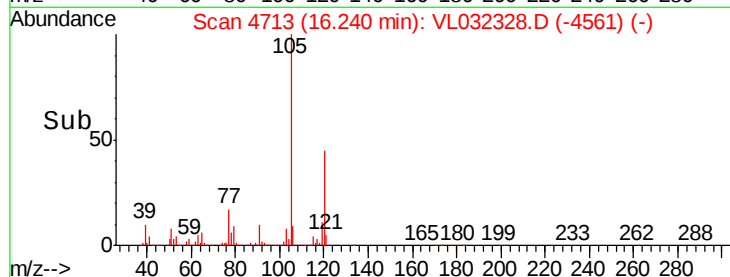
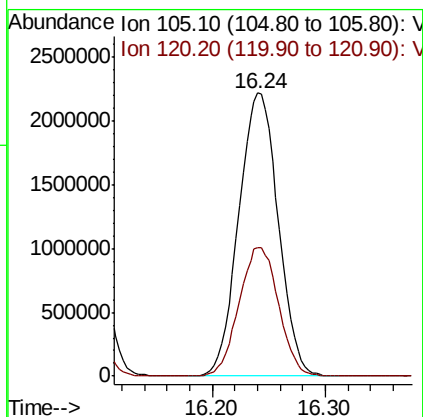
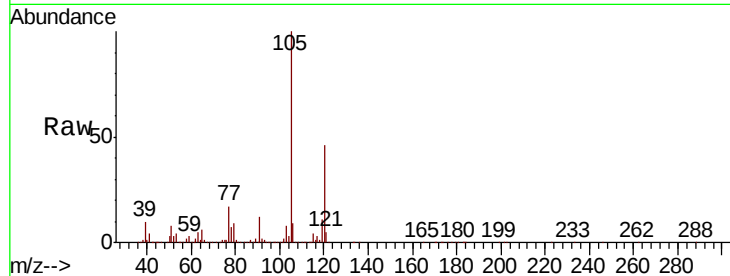




#73
 1,3,5-Trimethylbenzene
 Concen: 8.023 ppbv
 RT: 16.24 min Scan# 4713
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

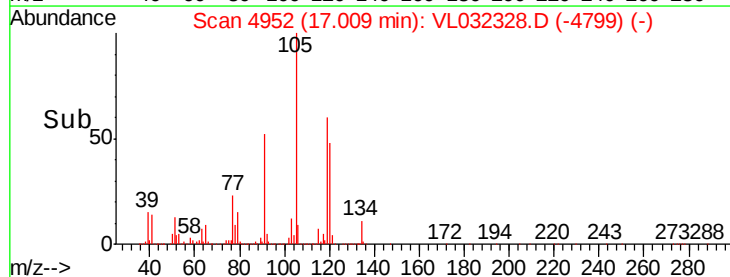
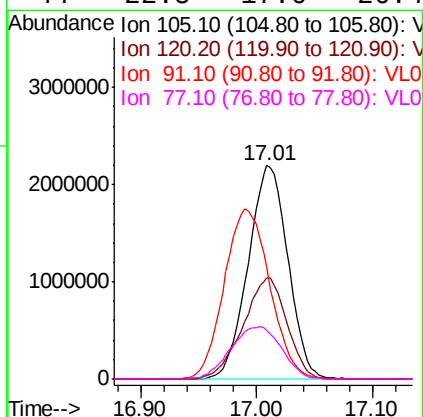
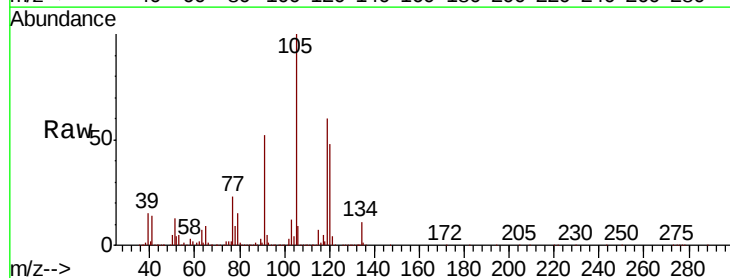
Instrument :
 MSVOA_L
 ClientSampleId :

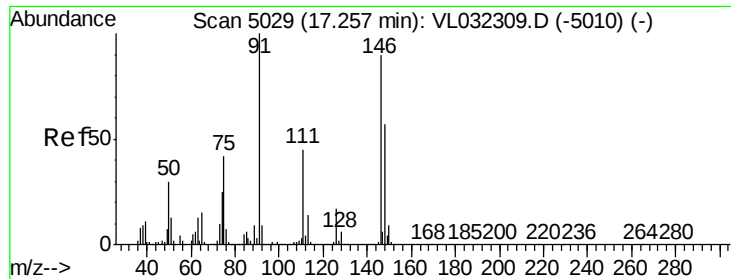
Tot Ion:105 Resp: 5362261
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7



#74
 1,2,4-Trimethylbenzene
 Concen: 7.438 ppbv
 RT: 17.01 min Scan# 4952
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:105 Resp: 5240407
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.6
 91 52.4 39.4 59.0
 77 22.5 17.6 26.4





#75

1,3-Dichlorobenzene

Concen: 7.087 ppbv

RT: 17.25 min Scan# 5027

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

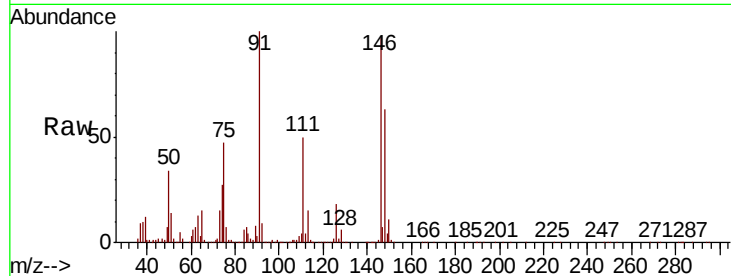
Tot Ion:146 Resp: 2891700

Ion Ratio Lower Upper

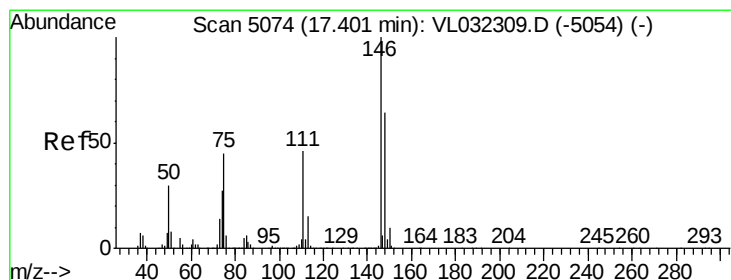
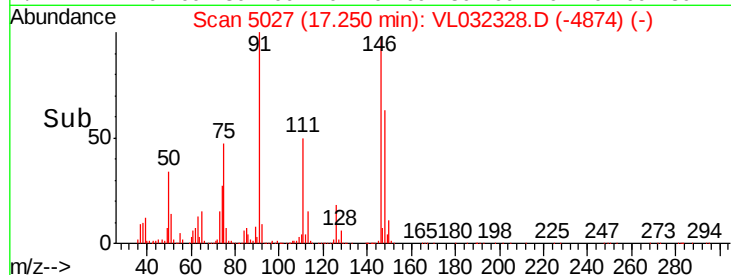
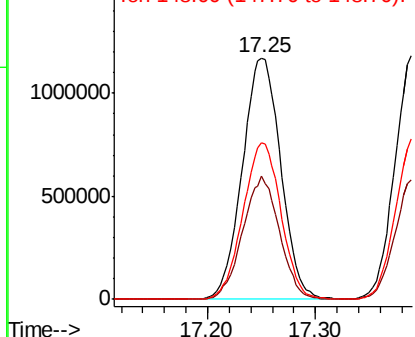
146 100

111 48.8 24.6 73.8

148 64.5 31.6 95.0



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: 7.520 ppbv

RT: 17.39 min Scan# 5071

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

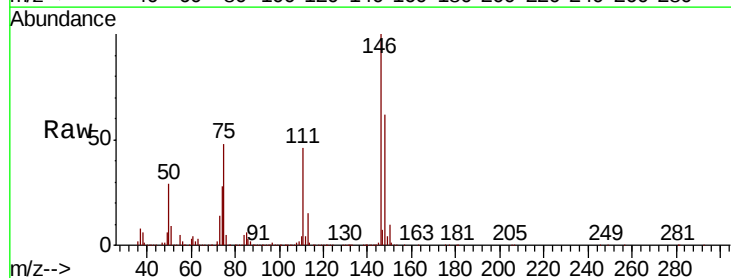
Tgt Ion:146 Resp: 2944162

Ion Ratio Lower Upper

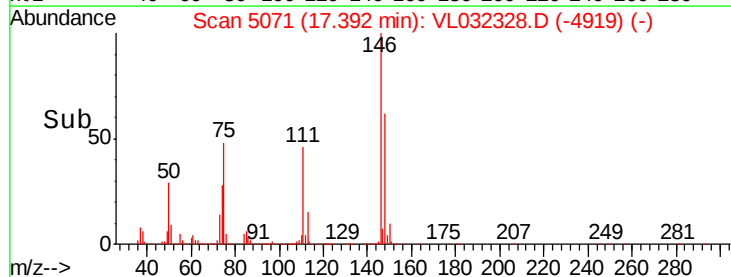
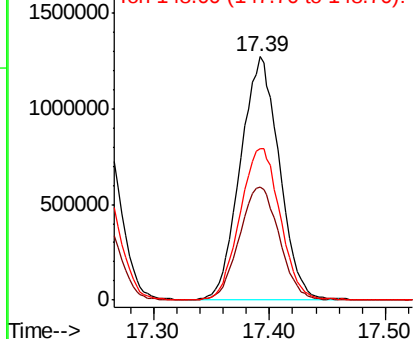
146 100

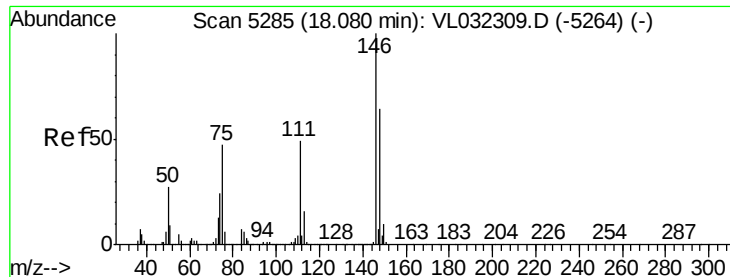
111 48.2 23.6 70.8

148 65.1 32.1 96.3



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

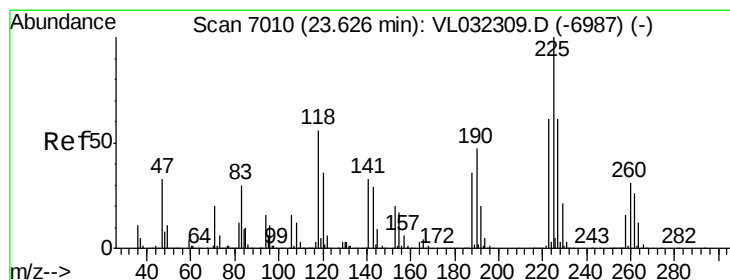
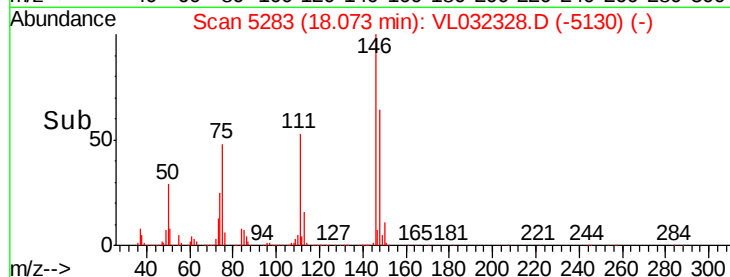
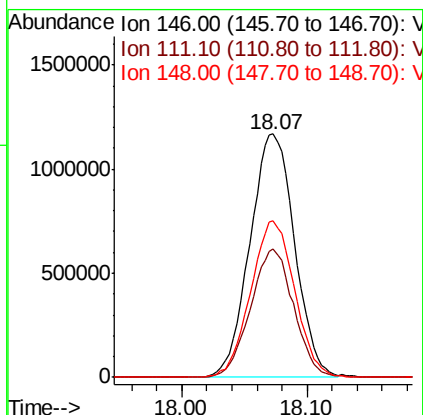
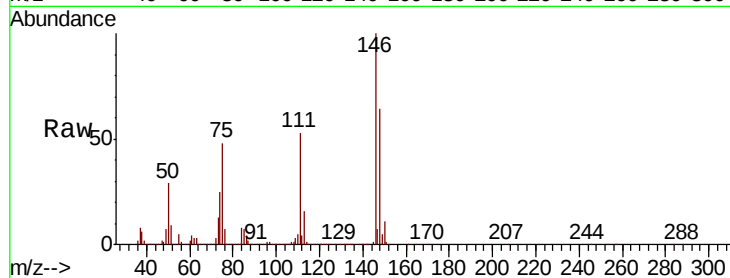




#77
 1,2-Dichlorobenzene
 Concen: 7.214 ppbv
 RT: 18.07 min Scan# 5283
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

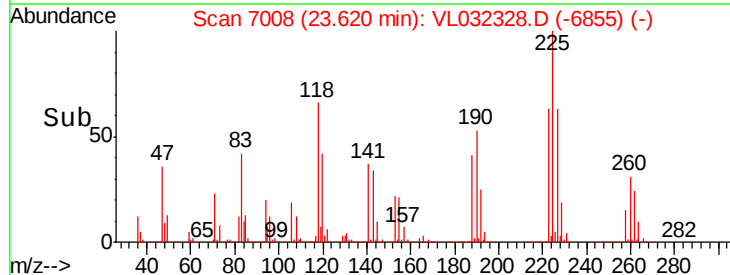
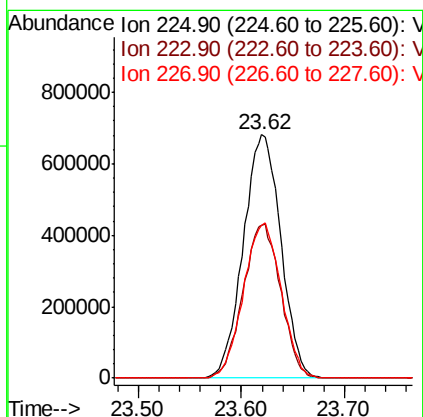
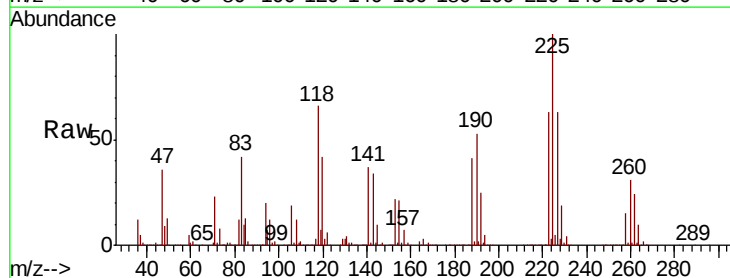
Instrument :
 MSVOA_L
 ClientSampleId :

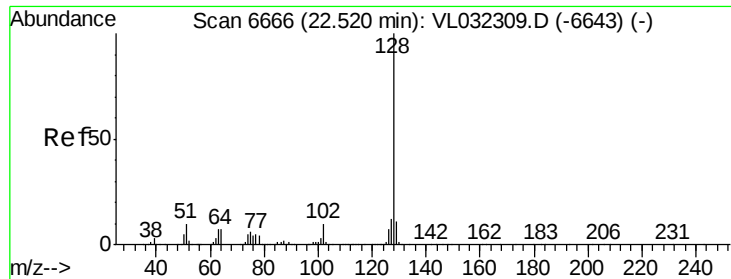
Tot Ion:146 Resp: 2892157
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.1 75.3
 148 63.6 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 12.241 ppbv
 RT: 23.62 min Scan# 7008
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:225 Resp: 1725623
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.5 75.7
 227 63.9 51.3 76.9





#79

Naphthalene

Concen: 8.280 ppbv

RT: 22.51 min Scan# 6663

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

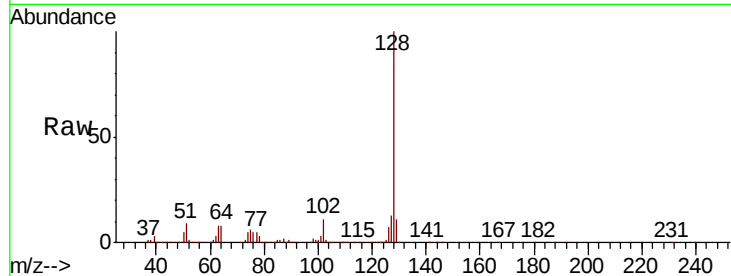
Tot Ion:128 Resp: 5062898

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

129 10.8 8.8 13.2

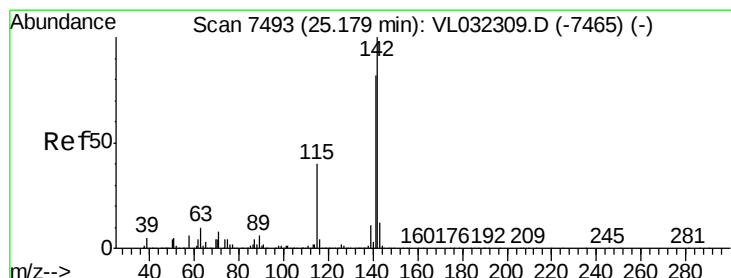
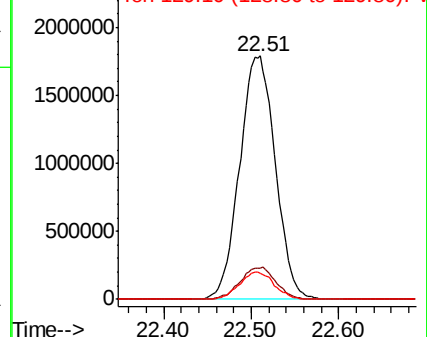
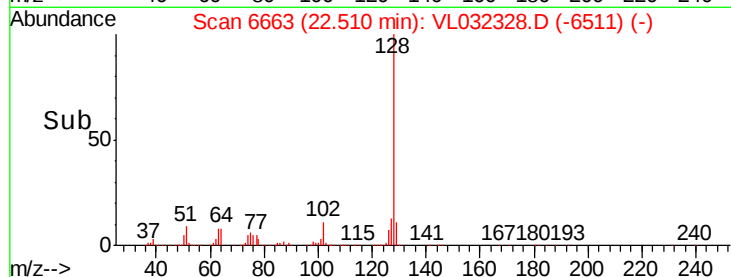


Abundance

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: 8.819 ppbv

RT: 25.18 min Scan# 7492

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

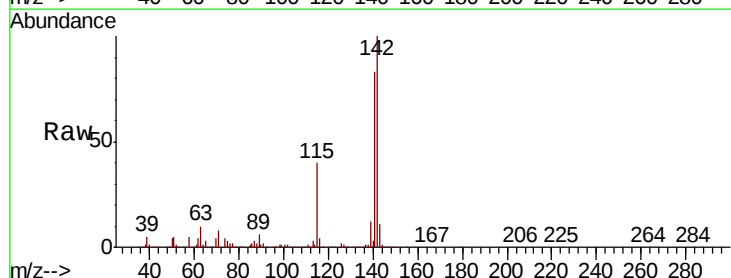
Tgt Ion:142 Resp: 2133874

Ion Ratio Lower Upper

142 100

141 83.8 66.7 100.1

115 39.9 31.1 46.7

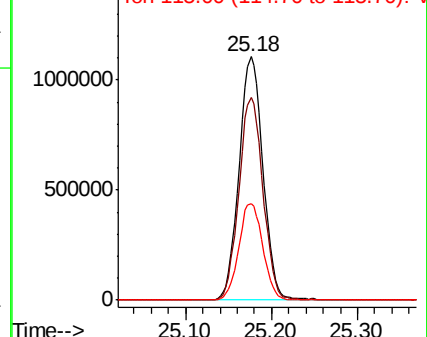
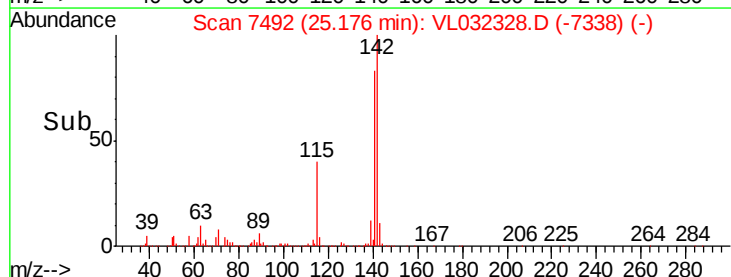


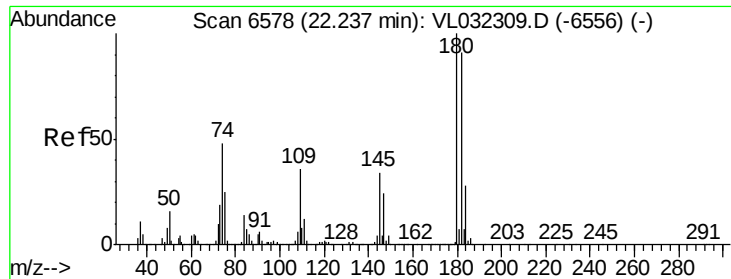
Abundance

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: 7.751 ppbv
 RT: 22.23 min Scan# 6576
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2368231
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.2
 184 30.6 24.3 36.5

