

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032431.D
 Acq On : 31 Aug 2018 00:30
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Aug 31 04:26:19 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 04:25:10 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2084711	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4336235	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	5286233	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3203474	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	2636334	14.122	ppbv	100
3) Chlorodifluoromethane	3.04	51	1685948	9.341	ppbv	100
4) Chloromethane	3.20	50	1025606	9.277	ppbv	100
5) Vinyl Chloride	3.32	62	986757	10.090	ppbv	100
6) Bromomethane	3.55	94	546595	9.189	ppbv	100
7) Chloroethane	3.64	64	357043	9.288	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	2096679	9.141	ppbv	100
9) Propene	3.07	41	767339	10.755	ppbv	100
10) Heptane	8.30	43	2827836	10.969	ppbv	100
11) Trichlorofluoromethane	4.04	101	2153888	9.206	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1425196	9.113	ppbv	100
13) Ethanol	3.68	45	186302	8.066	ppbv	99
14) Bromoethene	3.83	108	669502	9.865	ppbv	100
15) Acetone	3.94	43	1625736	8.175	ppbv	100
16) 1,3-Butadiene	3.40	39	779131	9.395	ppbv	100
17) tert-Butyl alcohol	4.40	59	112661	3.454	ppbv #	76
18) 1,1-Dichloroethene	4.39	96	682271	9.510	ppbv	100
19) Isopropyl Alcohol	4.06	45	1137530	9.078	ppbv	100
20) Methylene Chloride	4.45	84	610298	8.266	ppbv	100
21) Allyl Chloride	4.52	41	1202885	9.589	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	763244	9.863	ppbv	100
23) Vinyl Acetate	5.20	43	3155179	10.298	ppbv	100
24) 1,1-Dichloroethane	5.14	63	2373833	9.659	ppbv	100
25) Ethyl Acetate	5.82	43	4145208	9.872	ppbv	100
26) Hexane	5.83	57	1929878	10.257	ppbv	100
27) Carbon Disulfide	4.66	76	1794980	9.939	ppbv	100
28) Methyl tert-Butyl Ether	5.16	73	2494131	10.745	ppbv	100
29) Chloroform	5.90	83	2739293	9.424	ppbv	100
30) Cyclohexane	7.30	84	1528127	10.996	ppbv	100
31) cis-1,2-Dichloroethene	5.69	61	1841440	10.720	ppbv	100
32) 1,1,1-Trichloroethane	6.67	97	2550807	10.165	ppbv	100
34) 2-Butanone	5.37	43	2759082	9.996	ppbv	100
35) Carbon Tetrachloride	7.19	117	2567355	9.561	ppbv	100
36) Benzene	7.06	78	3638969	10.136	ppbv	100
37) 1,2-Dichloroethane	6.46	62	2093531	9.413	ppbv	100
38) Trichloroethene	8.02	130	1278188	10.659	ppbv	100
39) 1,2-Dichloropropane	7.79	63	1483340	9.837	ppbv	100
40) 1,4-Dioxane	8.01	88	484390	10.774	ppbv	100
41) Tetrahydrofuran	6.20	42	1634368	11.063	ppbv	100
42) Bromodichloromethane	7.97	83	2906764	9.562	ppbv	100
43) Methyl Methacrylate	8.19	69	1692611	11.447	ppbv	100

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 QLast Update : Fri Aug 31 04:25:10 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	6995101	10.440	ppbv	100
45) t-1,3-Dichloropropene	9.47	75	1967304	11.198	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	2438760	11.344	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	1463856	9.066	ppbv	100
48) Dibromochloromethane	10.51	129	2314540	10.173	ppbv	100
49) Bromoform	13.26	173	2024647	10.132	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4393970	10.265	ppbv	100
51) 2-Hexanone	10.33	43	3086499	10.919	ppbv	100
52) Tetrachloroethene	11.43	164	1096034	10.642	ppbv	100
53) Toluene	10.01	91	3952260	10.510	ppbv	100
54) 1,2-Dibromoethane	10.82	107	2363369	10.135	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.34	131	1727647	7.595	ppbv #	58
57) Chlorobenzene	12.36	112	3110855	7.681	ppbv	100
58) Ethyl Benzene	12.92	91	5554253	9.214	ppbv	100
59) m/p-Xylene	13.21	91	4387383	8.170	ppbv #	20
60) o-Xylene	13.91	91	4477346	8.679	ppbv	100
61) Styrene	13.74	104	3361621	9.696	ppbv	100
62) Isopropylbenzene	14.89	105	6257668	8.568	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.90	83	3472951	7.705	ppbv	100
64) n-propylbenzene	15.78	120	1664357	8.715	ppbv	100
65) tert-Butylbenzene	16.96	119	5245074	8.362	ppbv	100
66) Benzyl Chloride	17.21	91	3208377	8.248	ppbv	100
67) sec-Butylbenzene	17.52	105	7883944	8.451	ppbv	100
69) p-Isopropyltoluene	17.87	119	6303640	8.814	ppbv	100
70) n-Butylbenzene	18.77	91	6994461	8.818	ppbv	100
71) 2-Chlorotoluene	15.68	91	4982616	8.926	ppbv	100
72) 4-Ethyltoluene	16.06	105	5243679	9.329	ppbv	100
73) 1,3,5-Trimethylbenzene	16.22	105	4969081	9.254	ppbv	100
74) 1,2,4-Trimethylbenzene	16.98	105	4969798	8.574	ppbv	100
75) 1,3-Dichlorobenzene	17.22	146	2799574	7.574	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	2792509	8.217	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	2806811	7.906	ppbv	100
78) Hexachloro-1,3-Butadiene	23.60	225	899693	5.872	ppbv	100
79) Naphthalene	22.48	128	4715899	12.236	ppbv	100
80) Naphthalene,2-methyl-	25.15	142	1680660	16.660	ppbv	100
81) 1,2,4-Trichlorobenzene	22.20	180	2231832	10.677	ppbv	100

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

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ClientSampleId :
VSTDICCC010

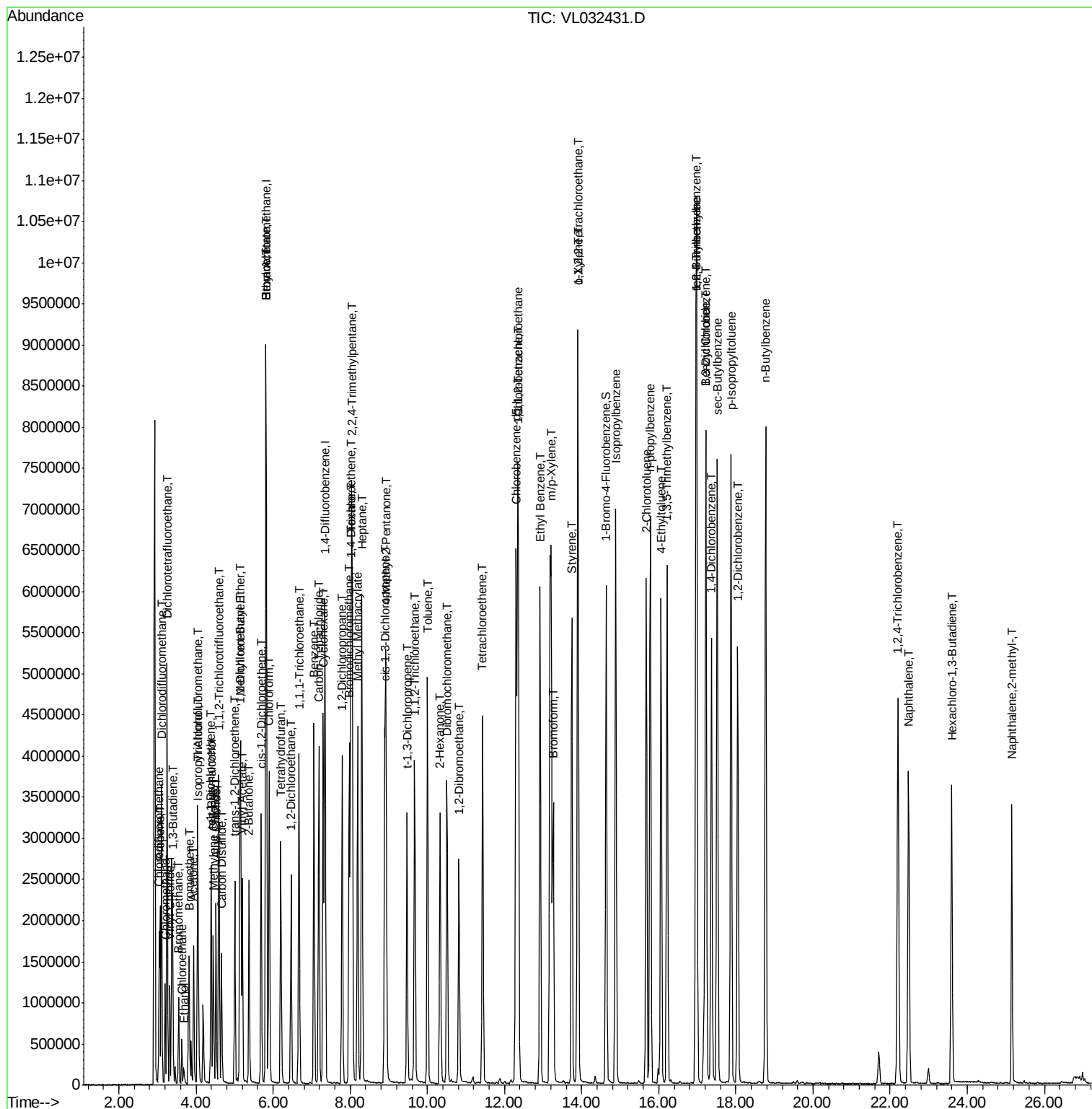
Quant Time: Aug 31 04:26:19 2018

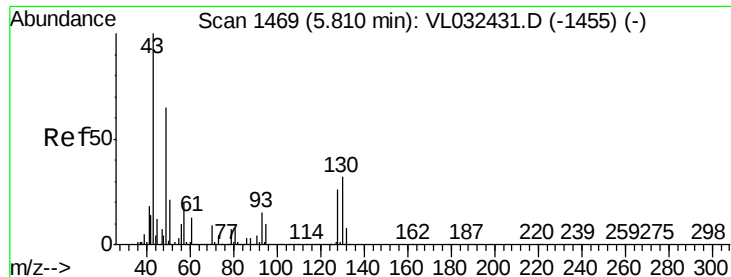
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

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QLast Update : Fri Aug 31 04:25:10 2018

Response via : Initial Calibration

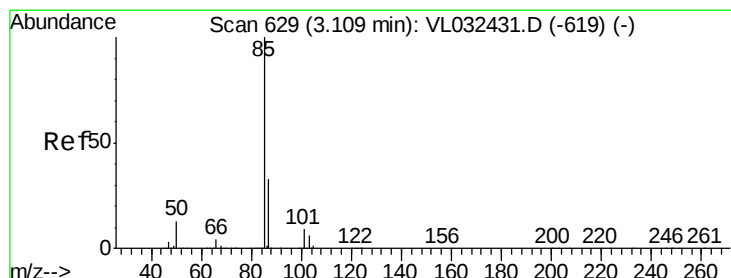
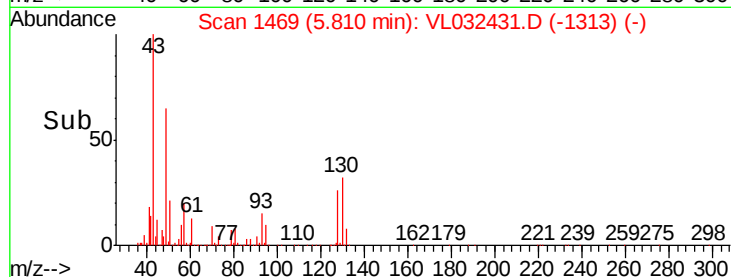
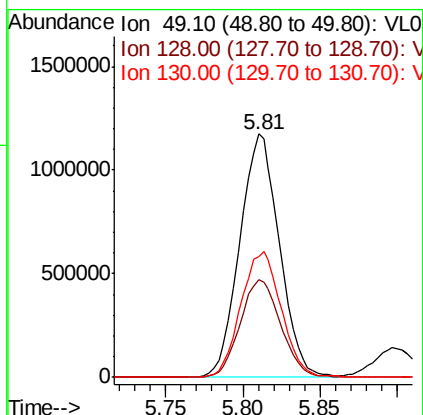
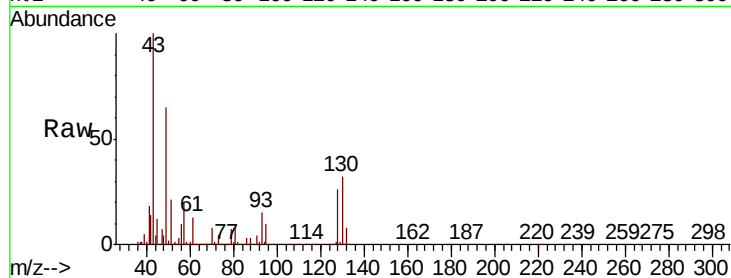




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.81 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

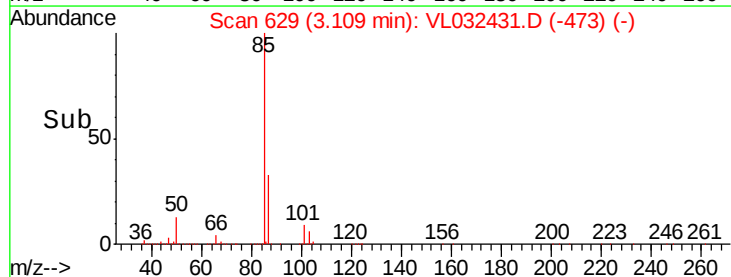
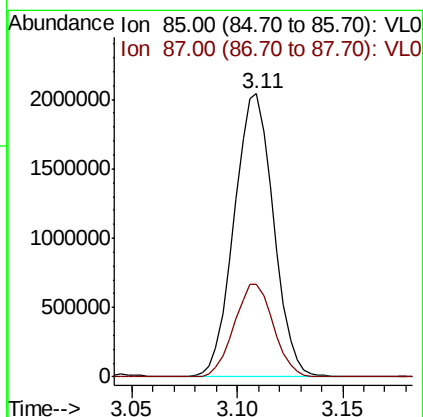
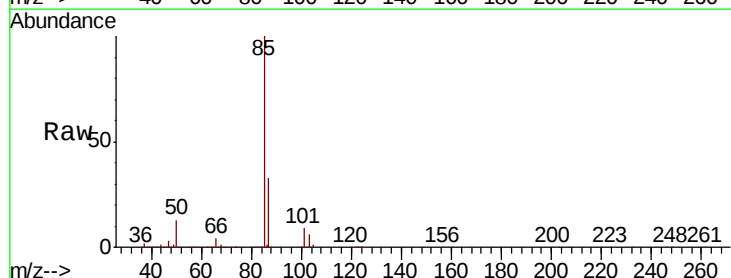
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

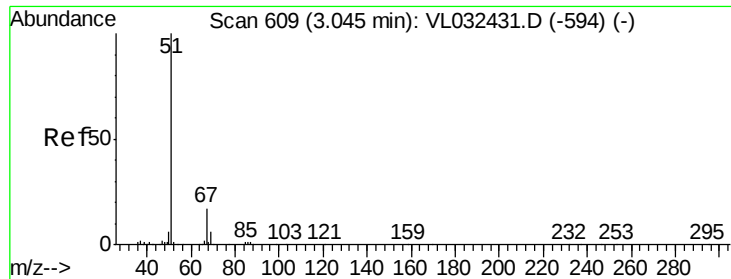
Tgt Ion: 49 Resp: 2084711
 Ion Ratio Lower Upper
 49 100
 128 41.4 20.7 62.1
 130 53.1 26.7 80.0



#2
 Dichlorodifluoromethane
 Concen: 14.122 ppbv
 RT: 3.11 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 85 Resp: 2636334
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4

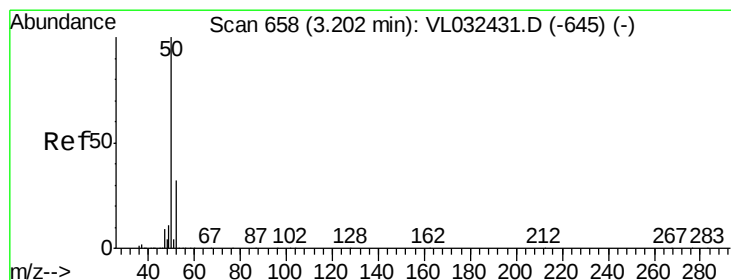
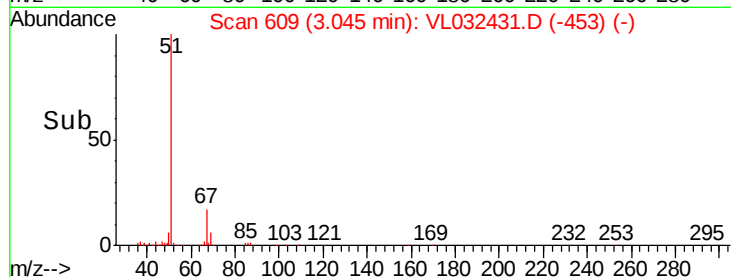
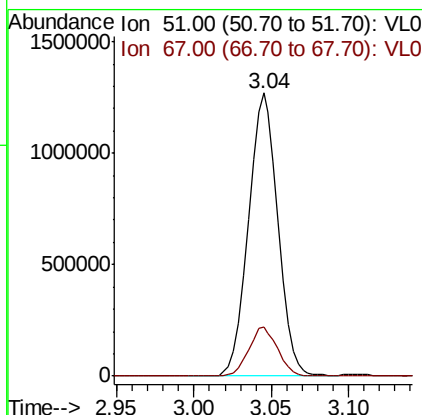
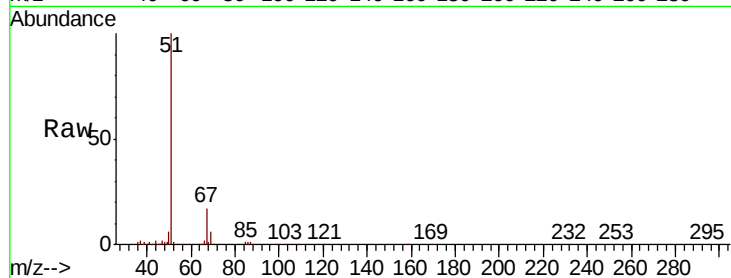




#3
 Chlorodifluoromethane
 Concen: 9.341 ppbv
 RT: 3.04 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

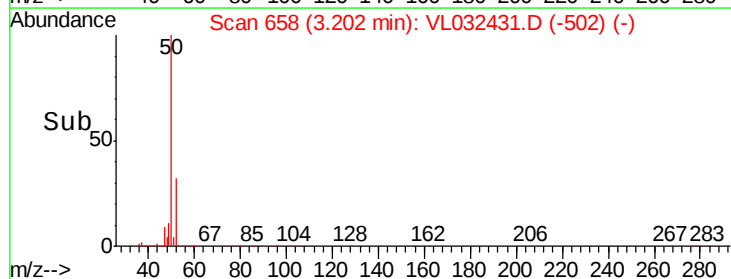
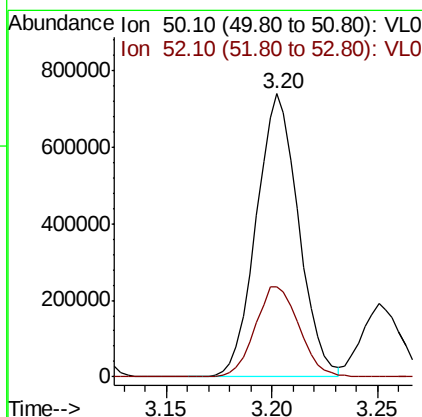
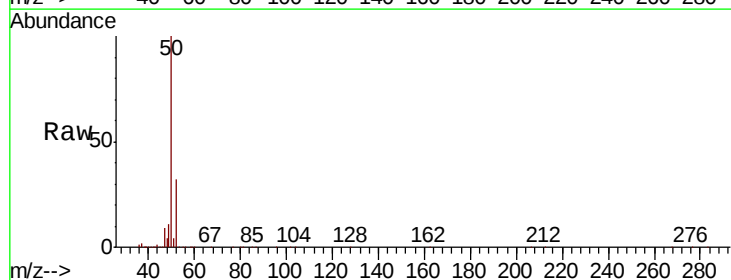
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

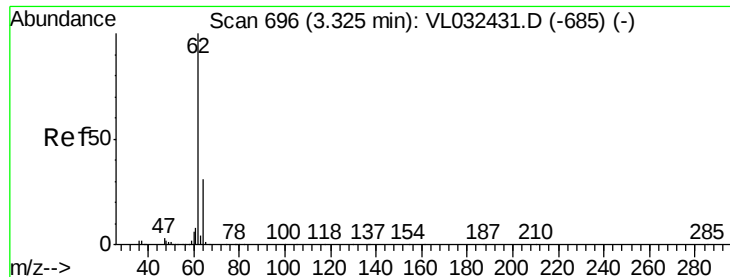
Tgt Ion: 51 Resp: 1685948
 Ion Ratio Lower Upper
 51 100
 67 17.3 13.8 20.8



#4
 Chloromethane
 Concen: 9.277 ppbv
 RT: 3.20 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 50 Resp: 1025606
 Ion Ratio Lower Upper
 50 100
 52 32.0 25.6 38.4





#5

Vinyl Chloride

Concen: 10.090 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

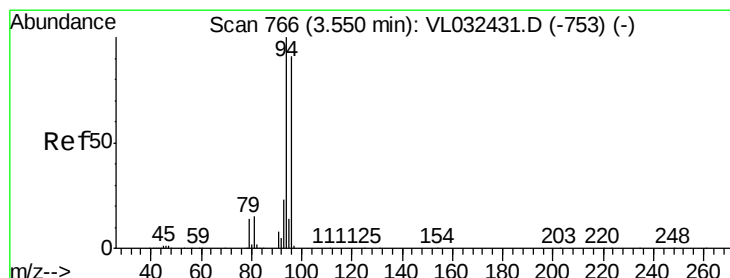
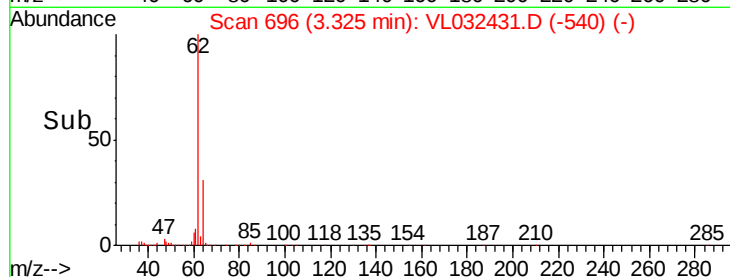
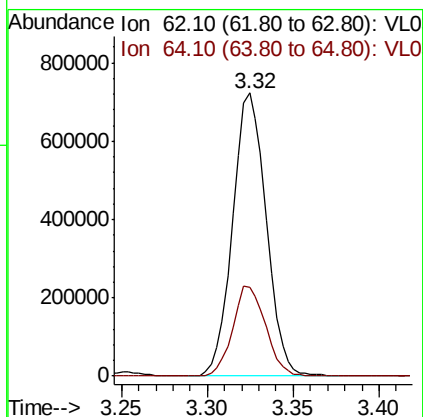
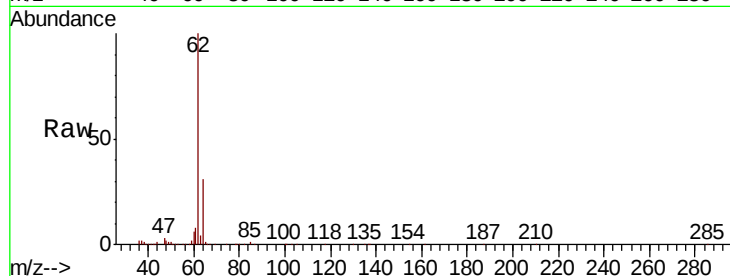
VSTDICCC010

Tgt Ion: 62 Resp: 986757

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6



#6

Bromomethane

Concen: 9.189 ppbv

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VL032431.D

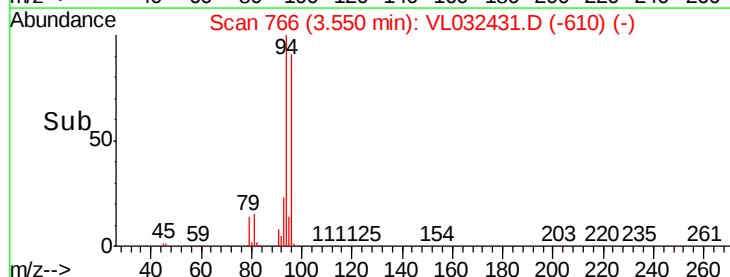
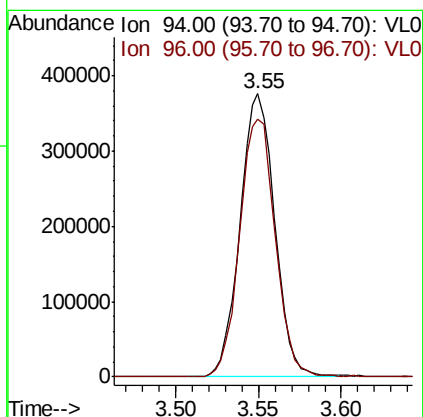
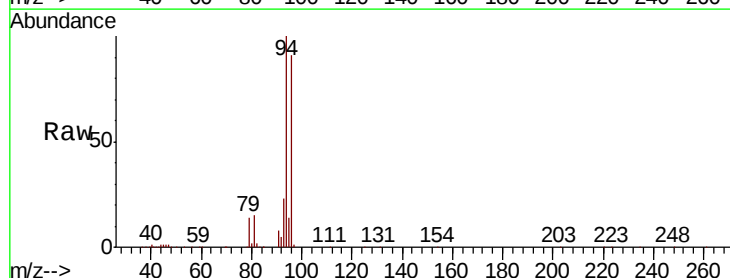
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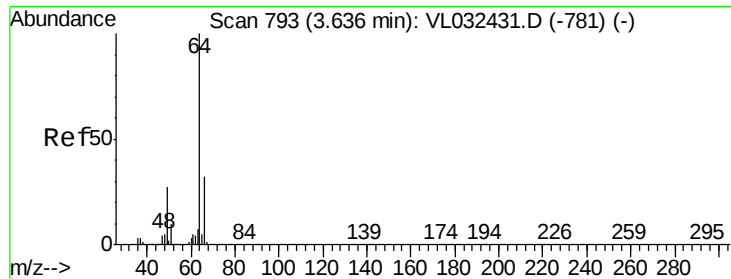
Tgt Ion: 94 Resp: 546595

Ion Ratio Lower Upper

94 100

96 91.0 72.8 109.2





#7

Chloroethane

Concen: 9.288 ppbv

RT: 3.64 min Scan# 793

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

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ClientSampleId :

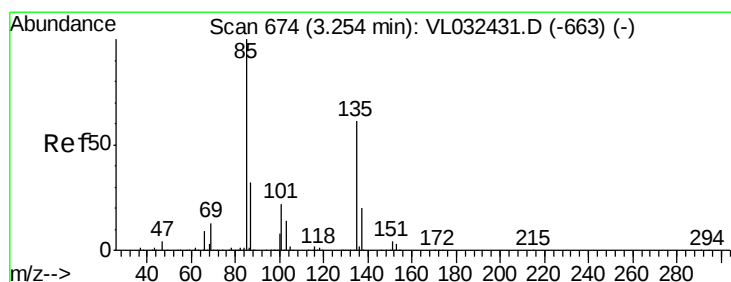
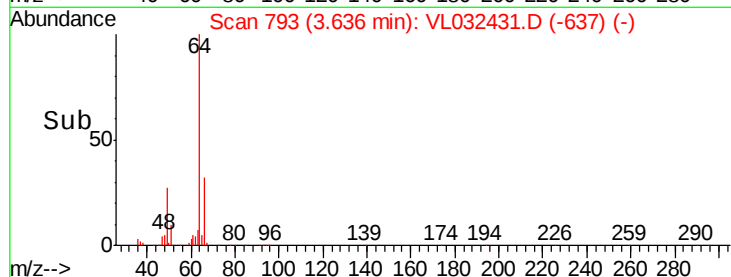
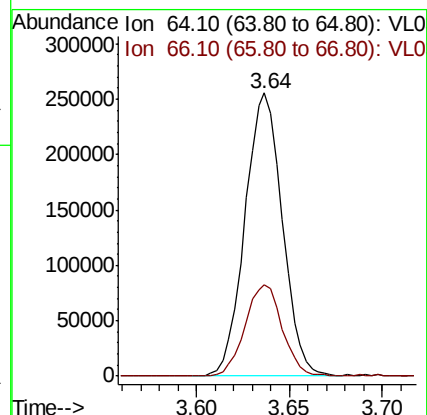
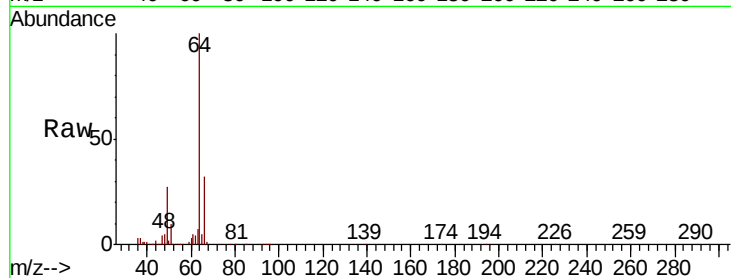
VSTDICCC010

Tgt Ion: 64 Resp: 357043

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.141 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL032431.D

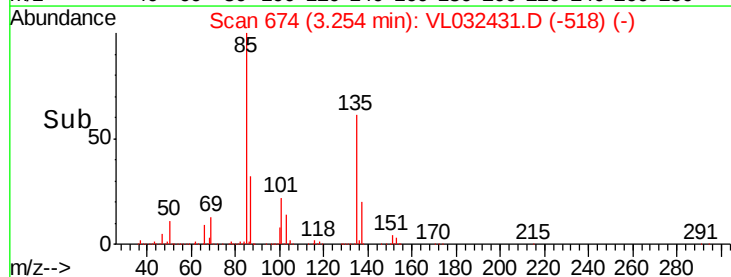
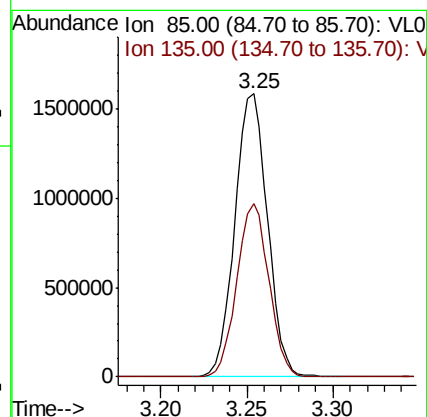
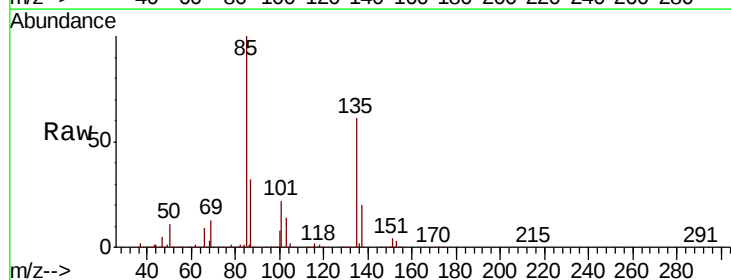
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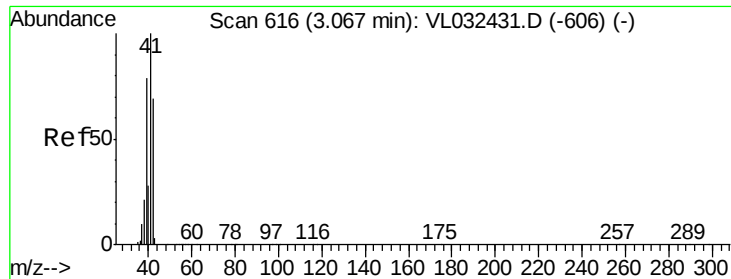
Tgt Ion: 85 Resp: 2096679

Ion Ratio Lower Upper

85 100

135 60.7 48.6 72.8





#9

Propene

Concen: 10.755 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

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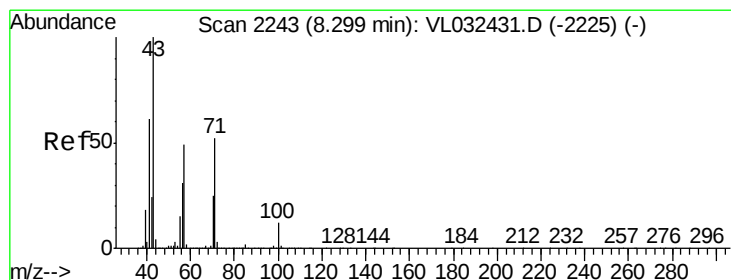
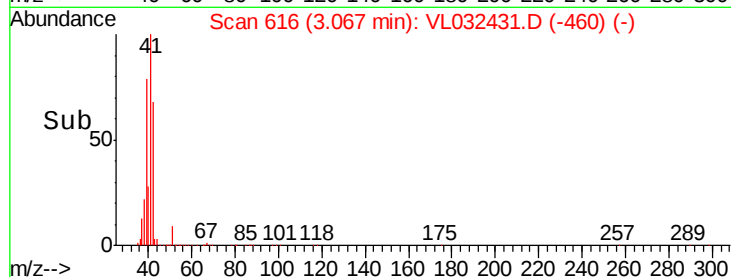
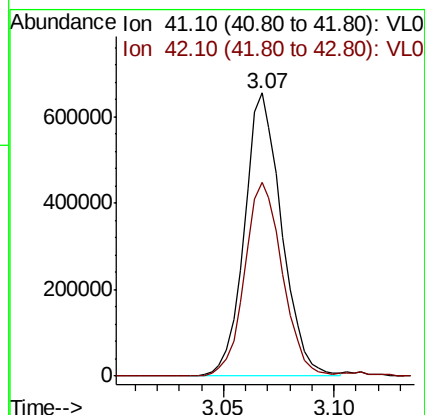
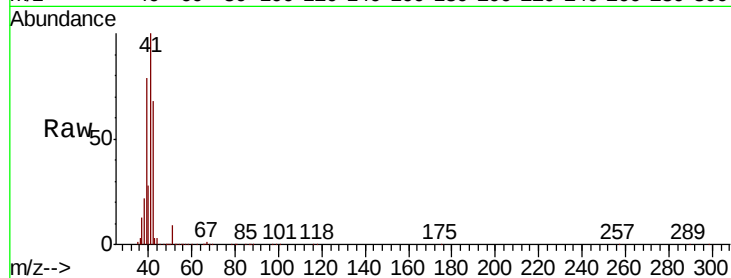
VSTDICCC010

Tgt Ion: 41 Resp: 767339

Ion Ratio Lower Upper

41 100

42 70.7 56.6 84.8



#10

Heptane

Concen: 10.969 ppbv

RT: 8.30 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VL032431.D

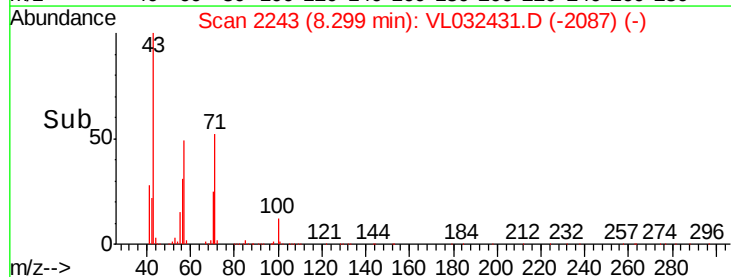
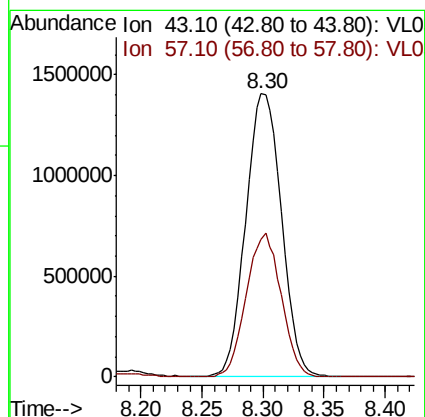
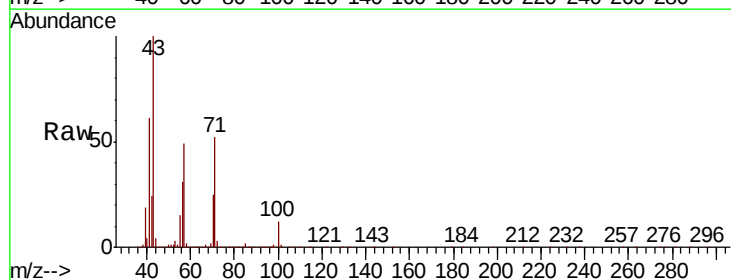
Acq: 31 Aug 2018 00:30

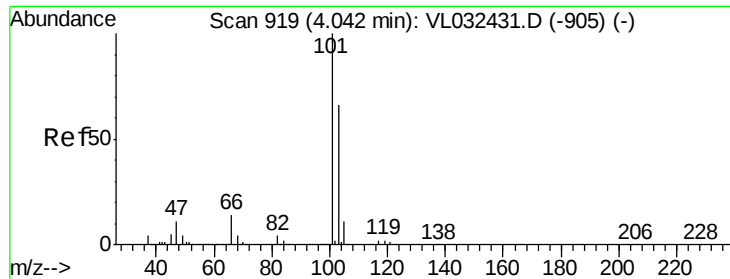
Tgt Ion: 43 Resp: 2827836

Ion Ratio Lower Upper

43 100

57 49.5 39.8 59.6

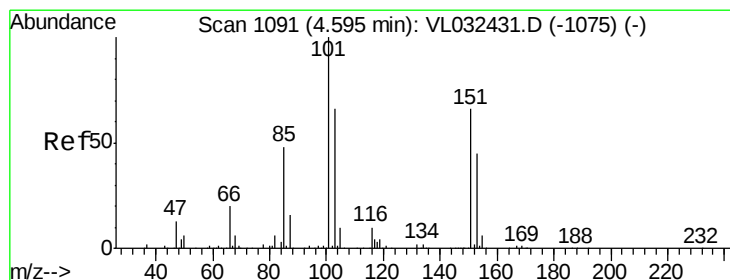
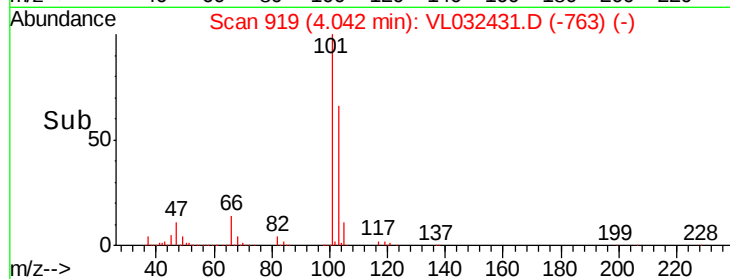
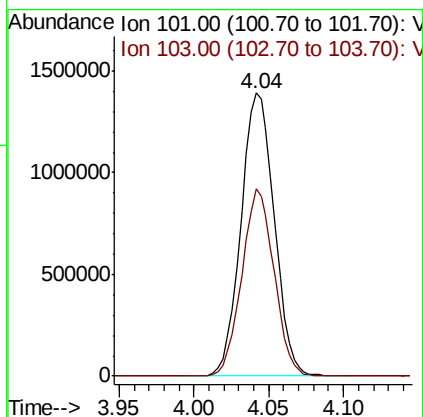
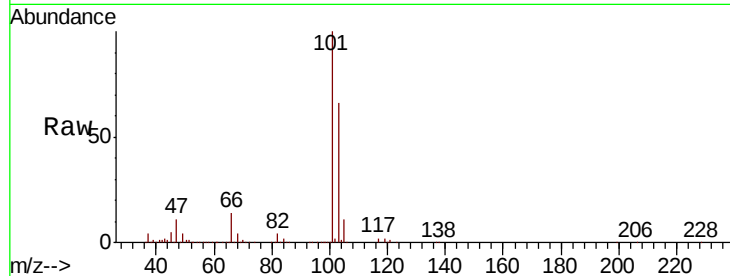




#11
 Trichlorofluoromethane
 Concen: 9.206 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

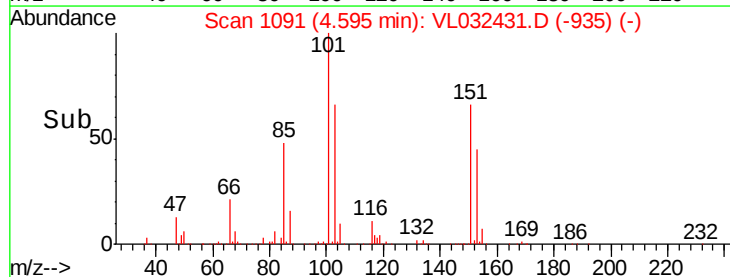
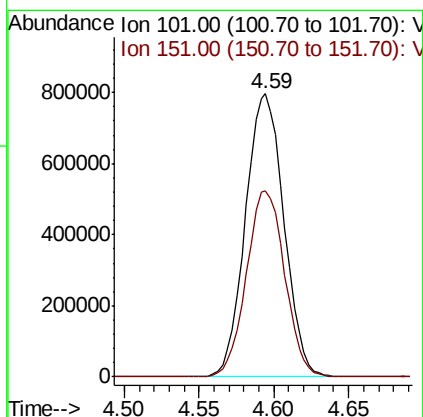
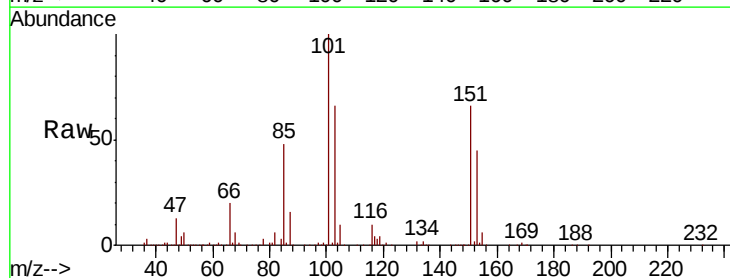
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

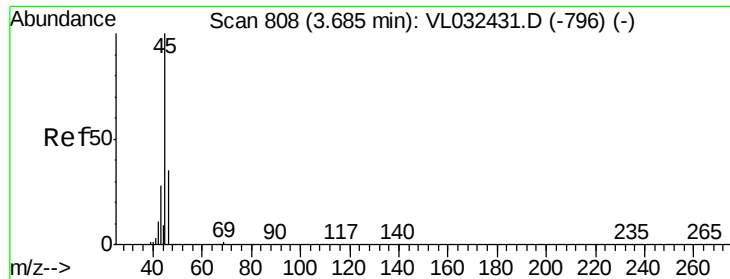
Tgt Ion:101 Resp: 2153888
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.8 79.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.113 ppbv
 RT: 4.59 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion:101 Resp: 1425196
 Ion Ratio Lower Upper
 101 100
 151 65.7 52.6 78.8





#13

Ethanol

Concen: 8.066 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

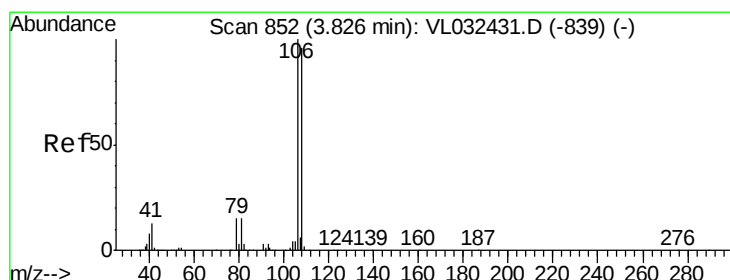
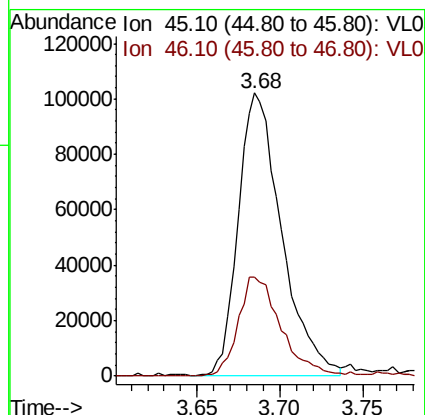
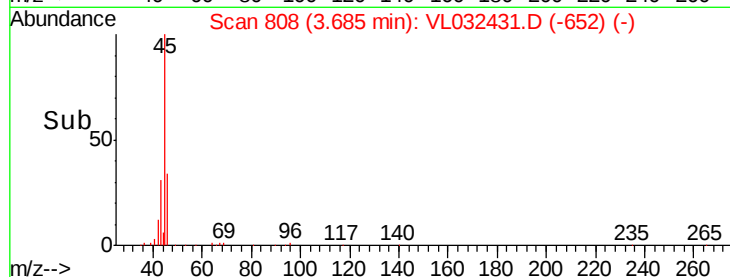
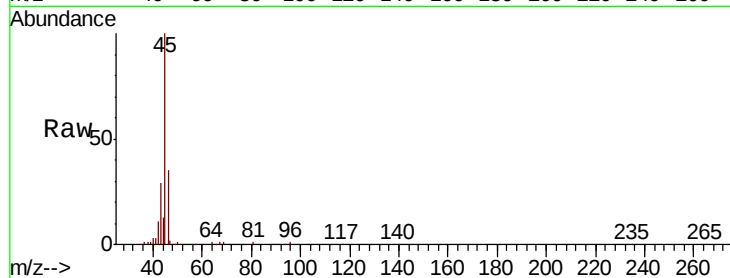
VSTDICCC010

Tgt Ion: 45 Resp: 186302

Ion Ratio Lower Upper

45 100

46 35.5 13.9 55.7



#14

Bromoethene

Concen: 9.865 ppbv

RT: 3.83 min Scan# 852

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

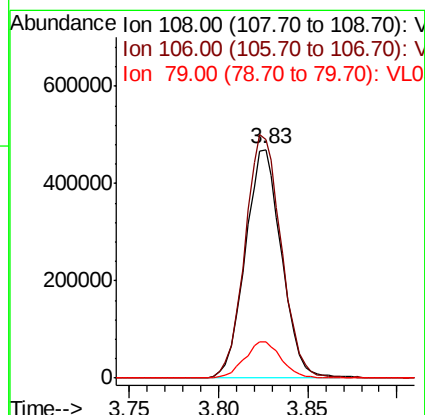
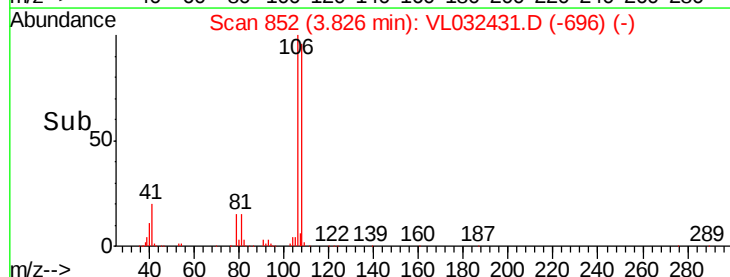
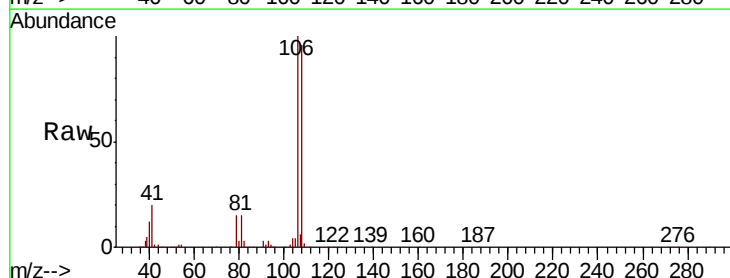
Tgt Ion: 108 Resp: 669502

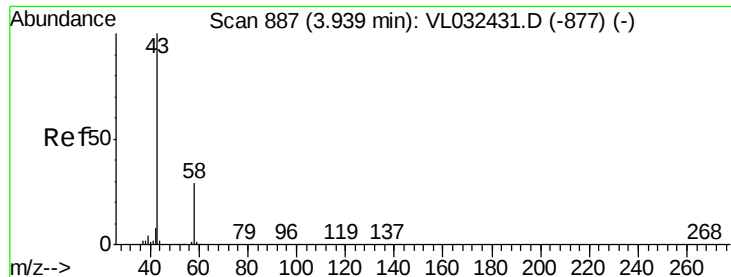
Ion Ratio Lower Upper

108 100

106 106.9 85.5 128.3

79 16.3 13.0 19.6





#15

Acetone

Concen: 8.175 ppbv

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

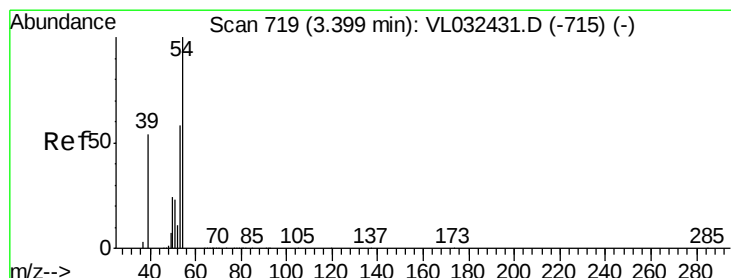
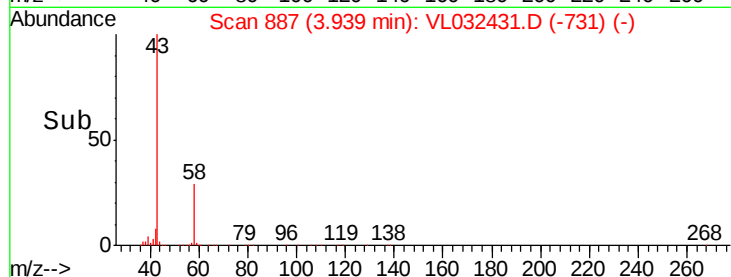
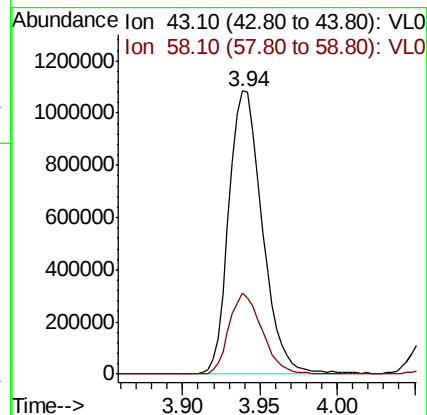
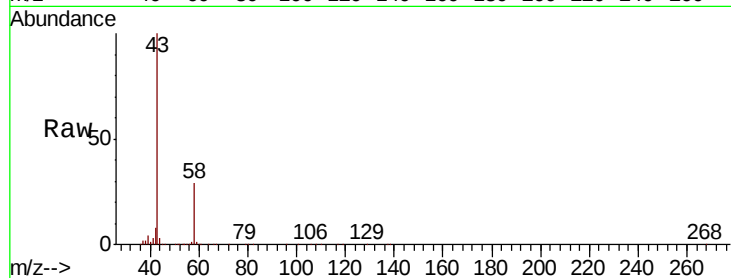
VSTDICCC010

Tgt Ion: 43 Resp: 1625736

Ion Ratio Lower Upper

43 100

58 28.2 22.6 33.8



#16

1,3-Butadiene

Concen: 9.395 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL032431.D

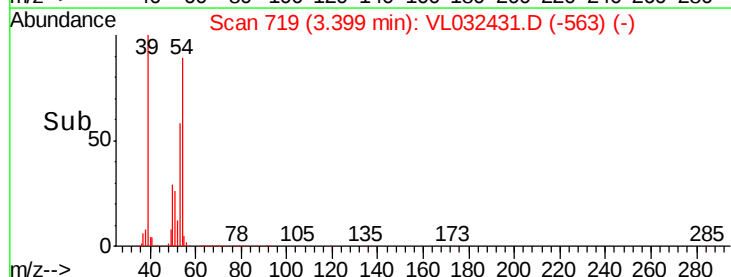
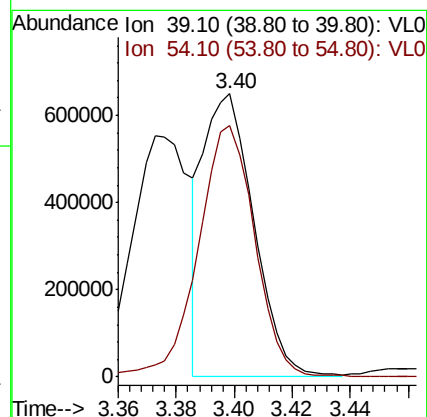
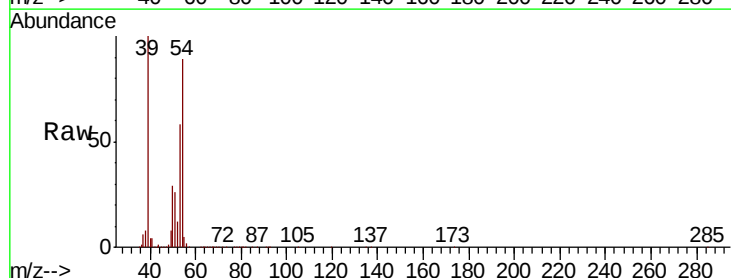
Acq: 31 Aug 2018 00:30

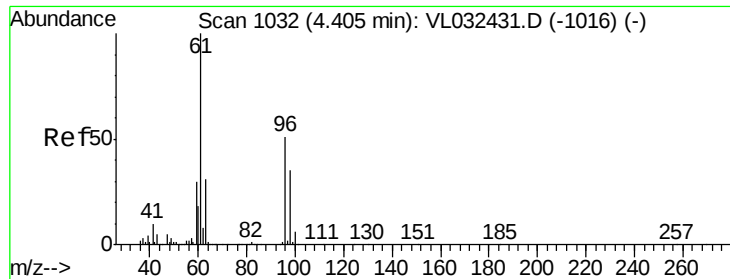
Tgt Ion: 39 Resp: 779131

Ion Ratio Lower Upper

39 100

54 101.0 80.8 121.2





#17

tert-Butyl alcohol

Concen: 3.454 ppbv

RT: 4.40 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

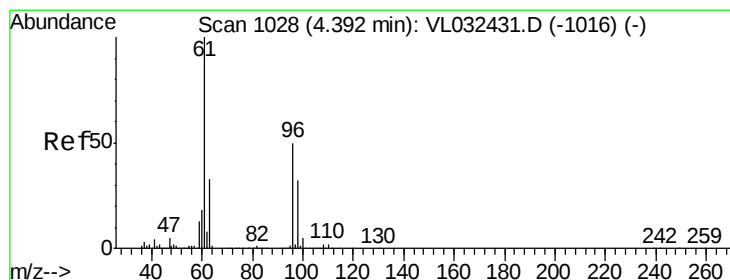
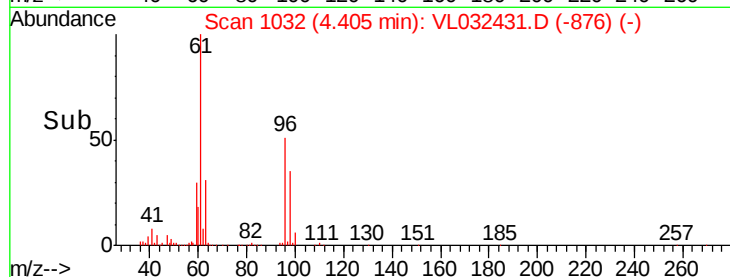
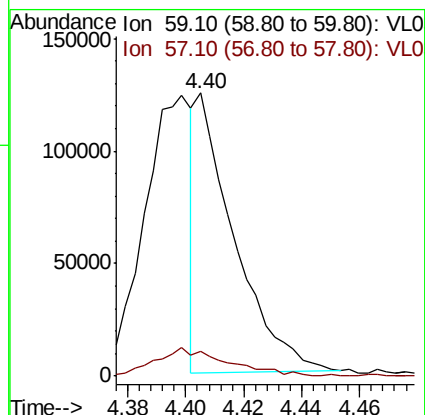
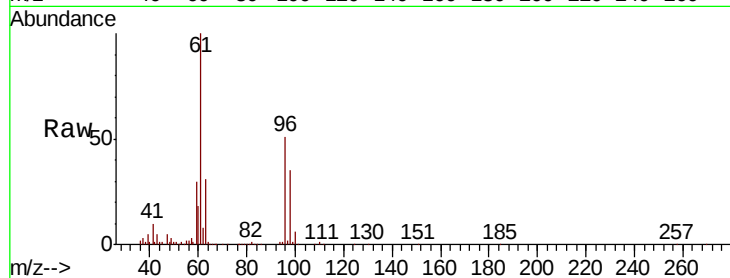
VSTDICCC010

Tgt Ion: 59 Resp: 112661

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.4#



#18

1,1-Dichloroethene

Concen: 9.510 ppbv

RT: 4.39 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

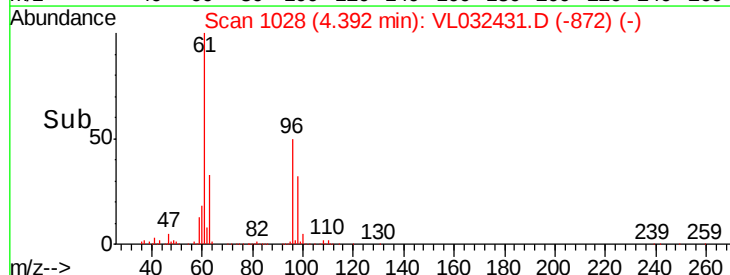
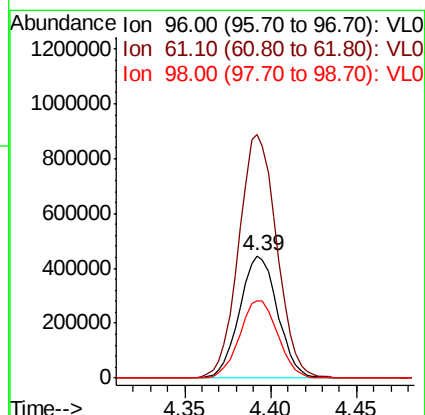
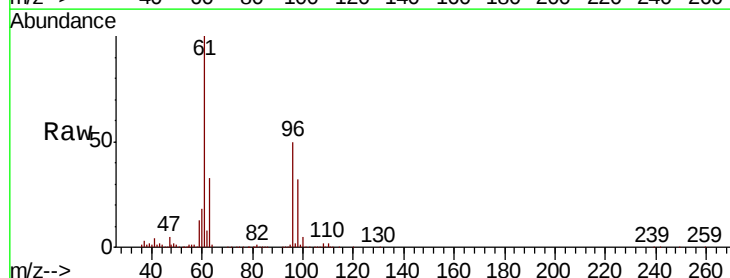
Tgt Ion: 96 Resp: 682271

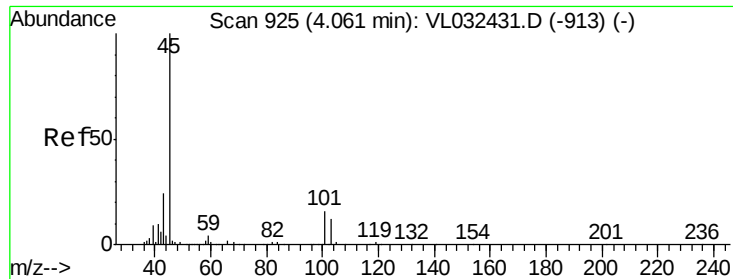
Ion Ratio Lower Upper

96 100

61 199.0 159.2 238.8

98 63.7 51.0 76.4

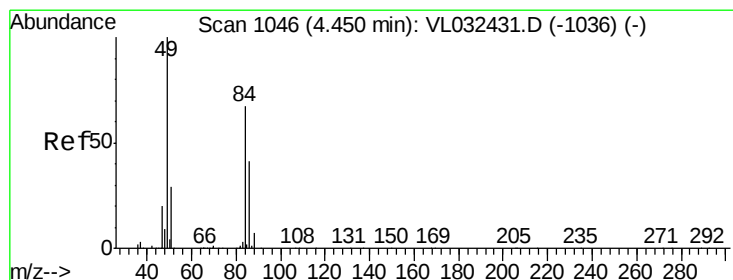
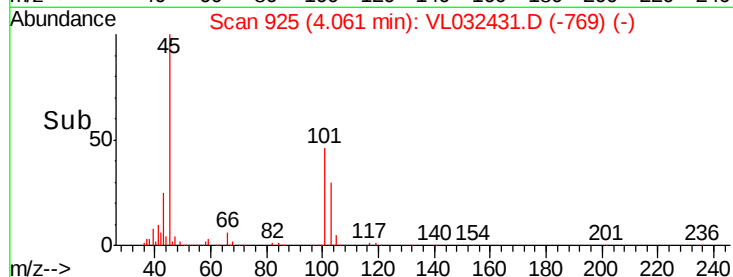
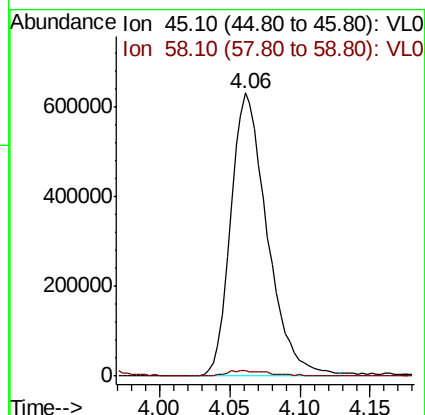
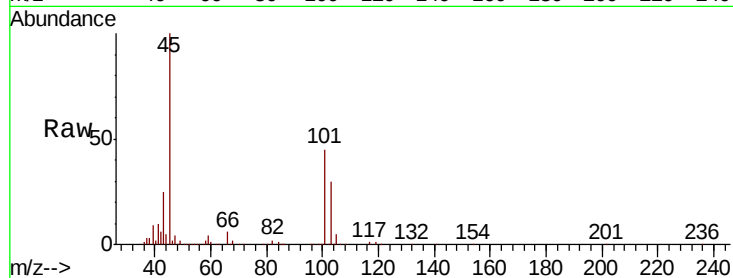




#19
Isopropyl Alcohol
Concen: 9.078 ppbv
RT: 4.06 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

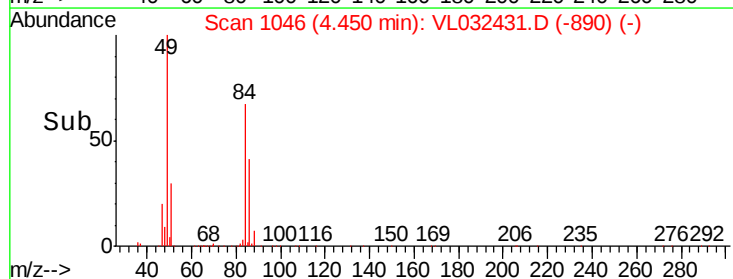
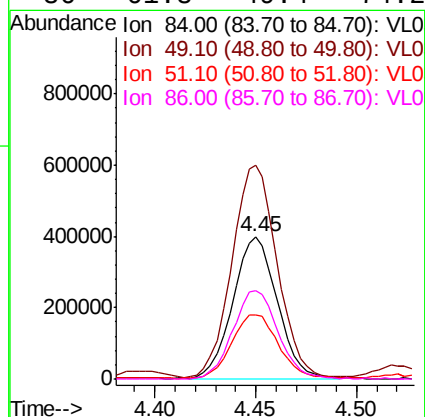
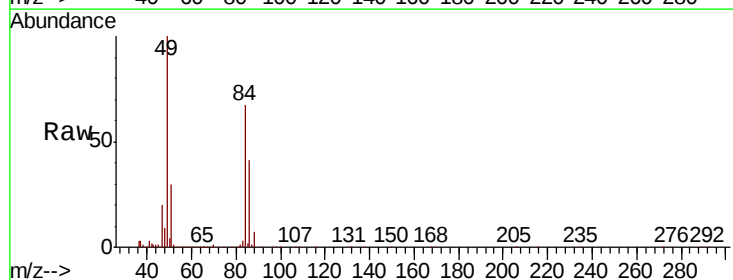
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

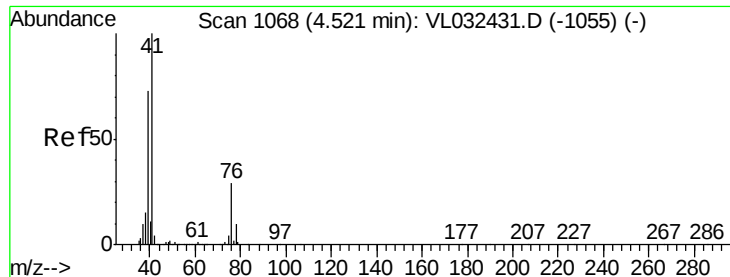
Tgt Ion: 45 Resp: 1137530
Ion Ratio Lower Upper
45 100
58 2.5 2.0 3.0



#20
Methylene Chloride
Concen: 8.266 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 84 Resp: 610298
Ion Ratio Lower Upper
84 100
49 148.9 119.1 178.7
51 44.0 35.2 52.8
86 61.8 49.4 74.2

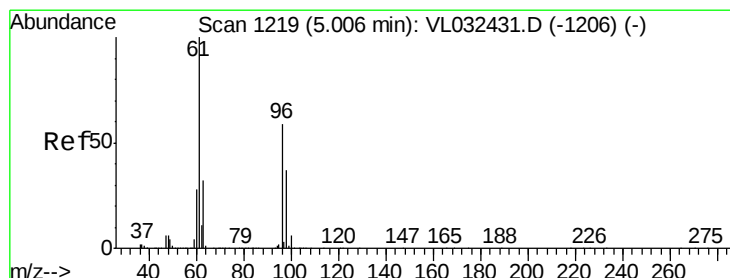
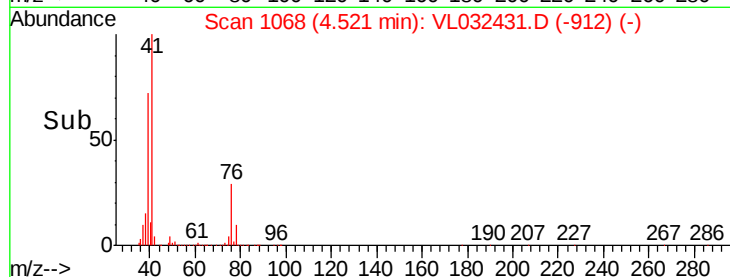
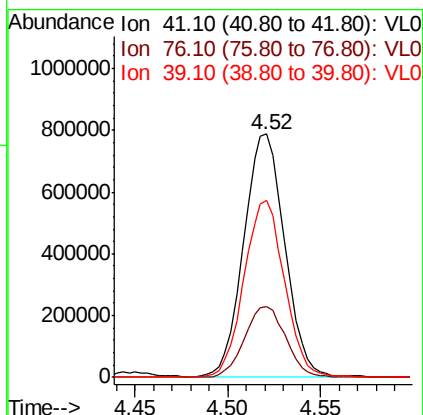
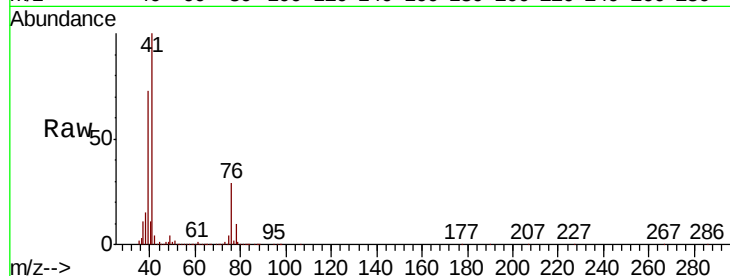




#21
 Allyl Chloride
 Concen: 9.589 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

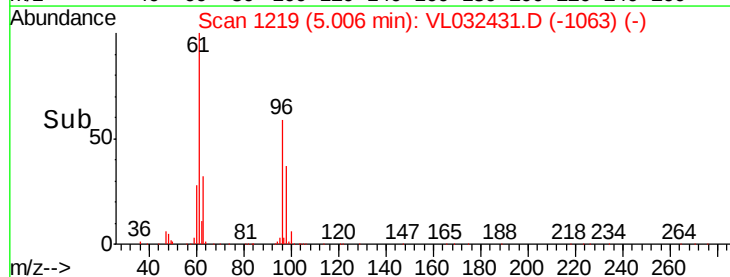
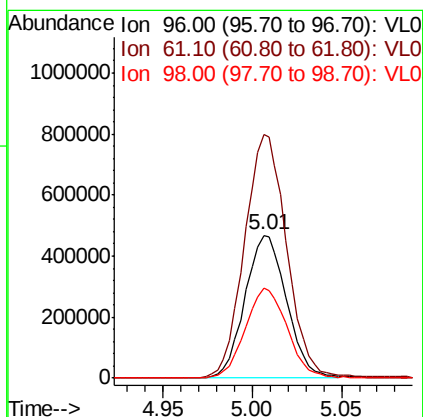
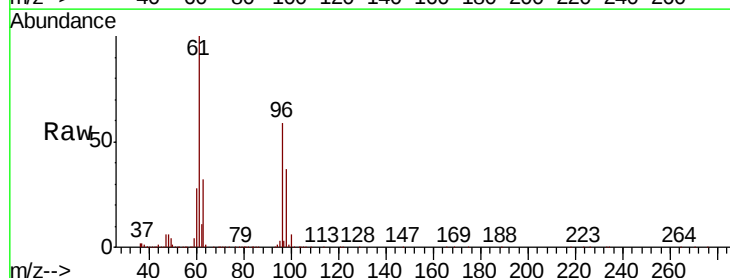
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

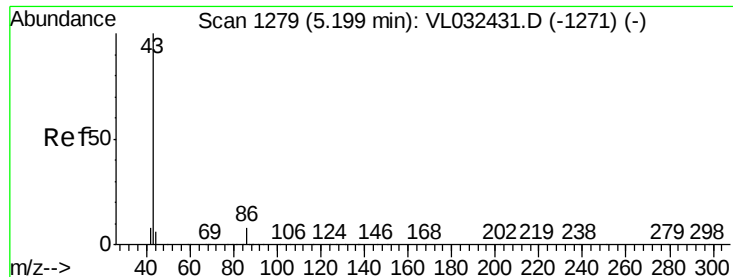
Tgt Ion: 41 Resp: 1202885
 Ion Ratio Lower Upper
 41 100
 76 29.5 23.6 35.4
 39 72.1 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.863 ppbv
 RT: 5.01 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 96 Resp: 763244
 Ion Ratio Lower Upper
 96 100
 61 170.3 136.2 204.4
 98 63.0 50.4 75.6



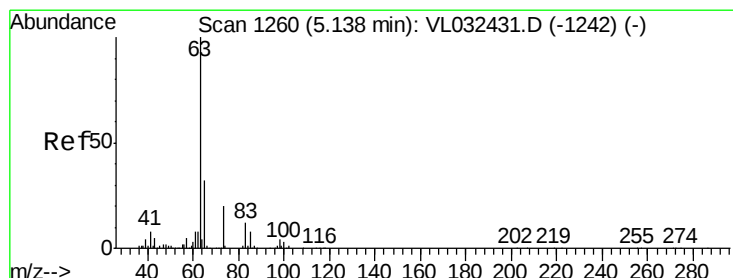
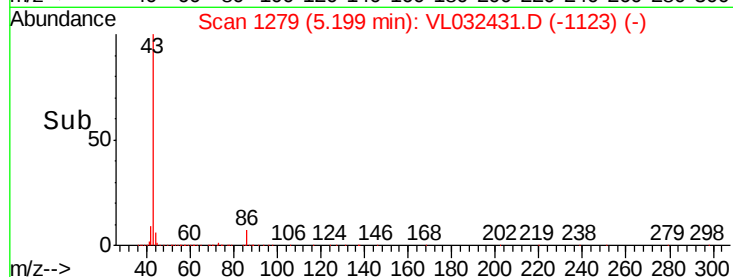
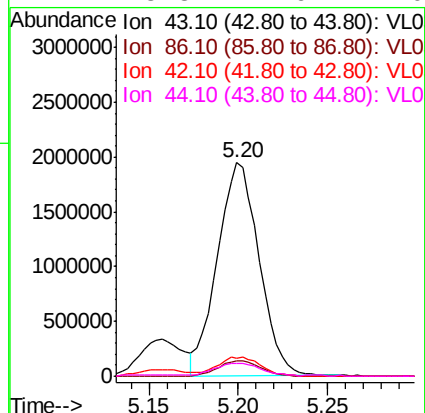
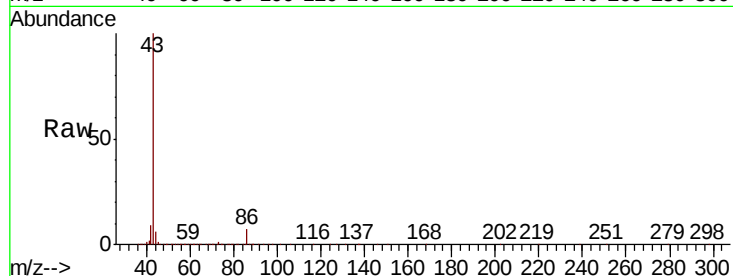


#23
 Vinyl Acetate
 Concen: 10.298 ppbv
 RT: 5.20 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 3155179

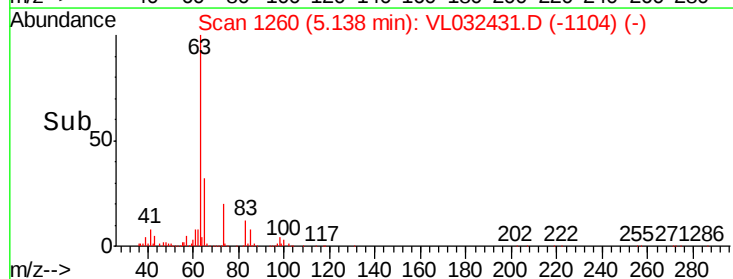
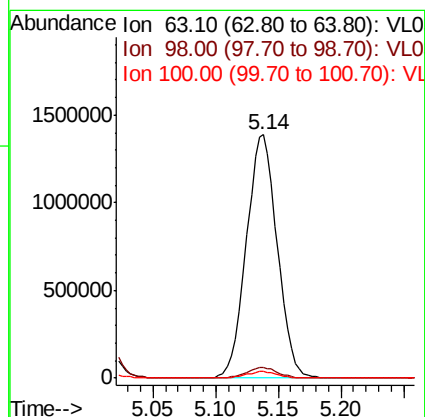
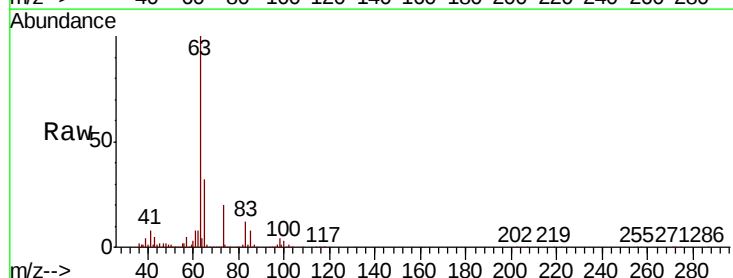
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	8.6	6.9	10.3
44	5.8	4.6	7.0

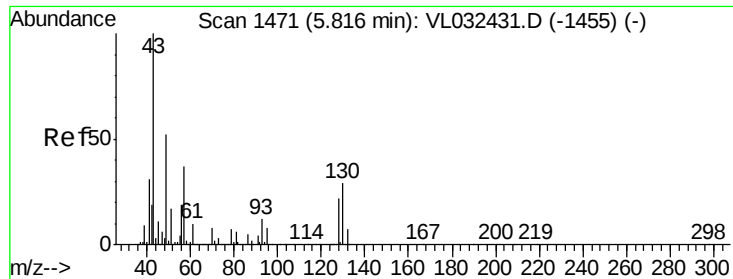


#24
 1,1-Dichloroethane
 Concen: 9.659 ppbv
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 63 Resp: 2373833

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.9	1.5	4.4



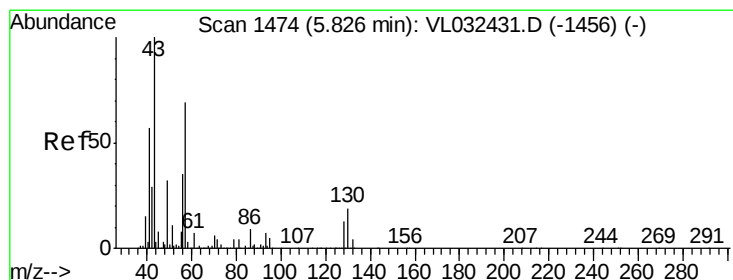
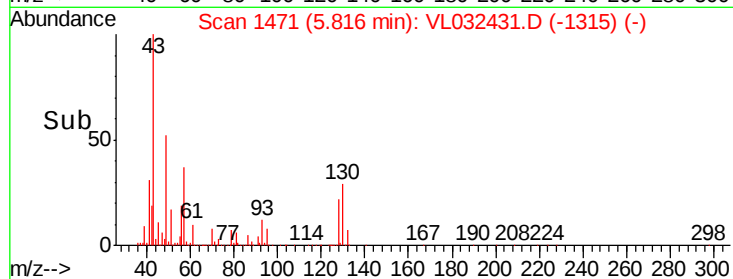
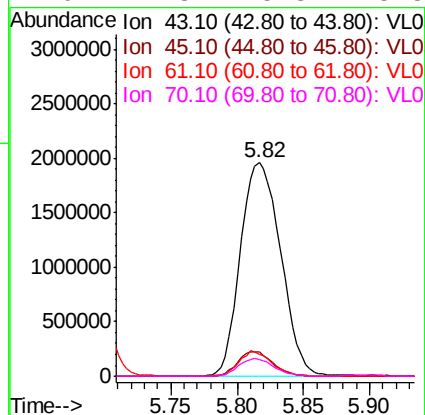
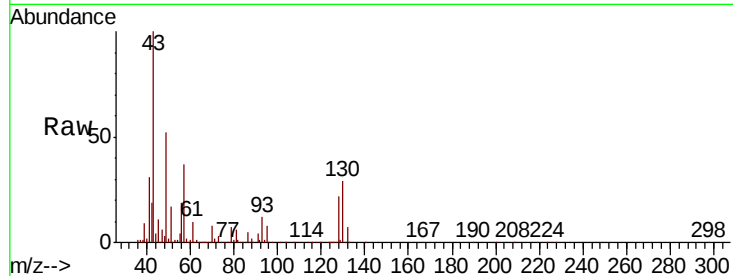


#25
Ethyl Acetate
Concen: 9.872 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 4145208

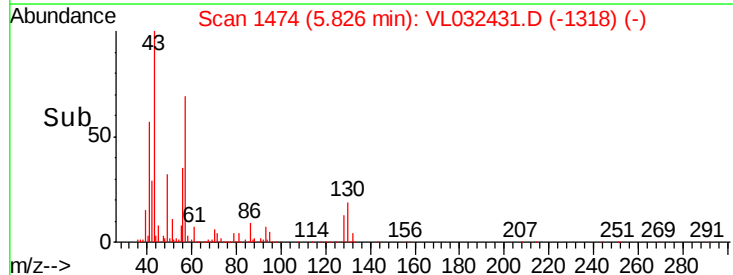
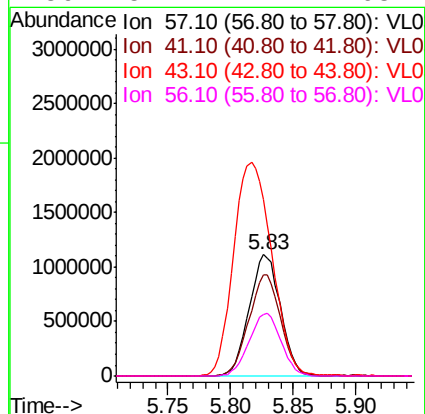
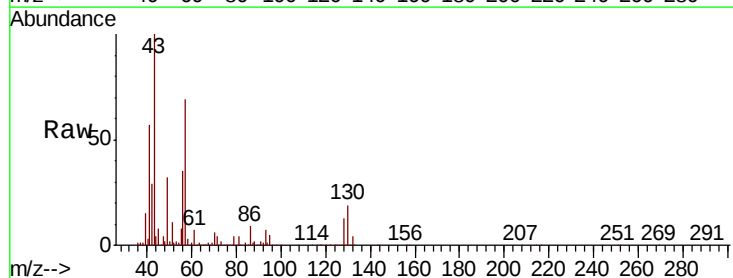
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.5	7.6	11.4
70	7.3	5.8	8.8

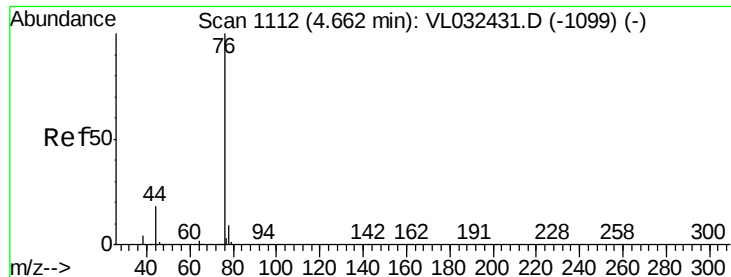


#26
Hexane
Concen: 10.257 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 57 Resp: 1929878

Ion	Ratio	Lower	Upper
57	100		
41	86.2	68.4	102.6
43	215.1	172.6	258.8
56	52.7	42.2	63.2





#27

Carbon Disulfide

Concen: 9.939 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

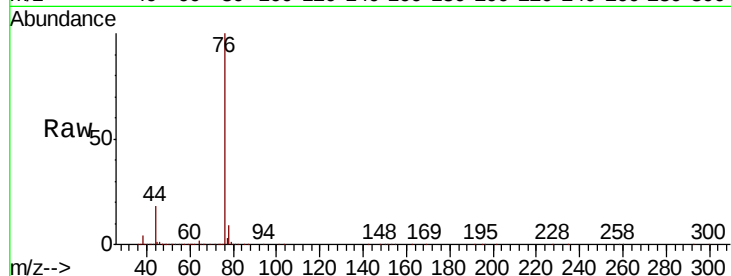
Tgt Ion: 76 Resp: 1794980

Ion Ratio Lower Upper

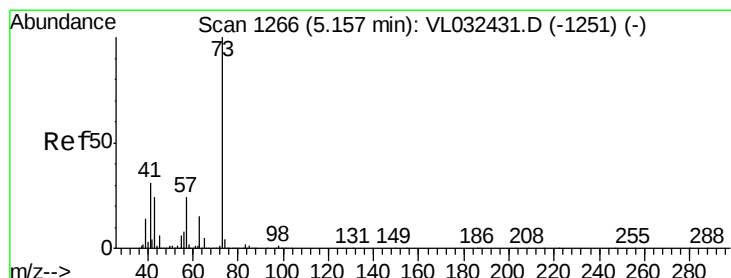
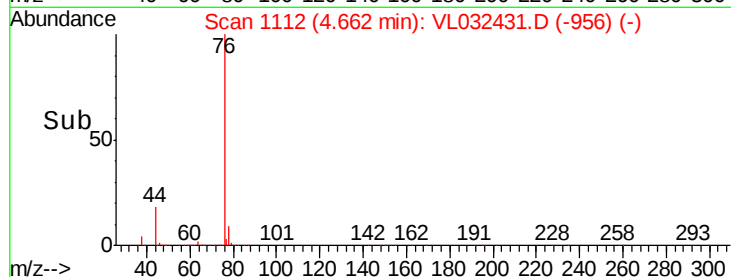
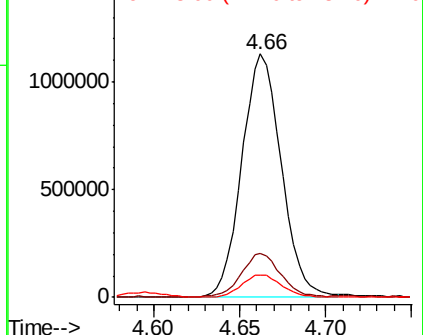
76 100

44 17.5 14.0 21.0

78 9.4 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: 10.745 ppbv

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL032431.D

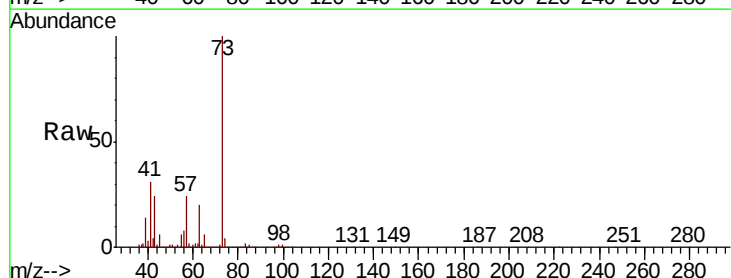
Acq: 31 Aug 2018 00:30

Tgt Ion: 73 Resp: 2494131

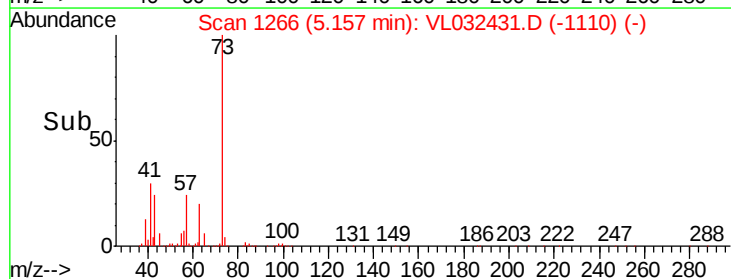
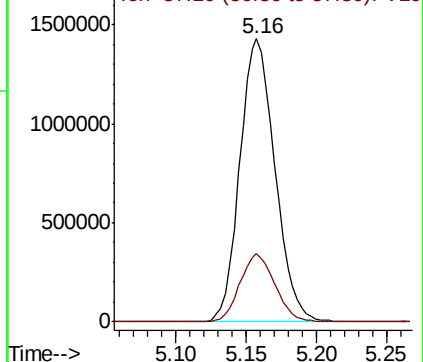
Ion Ratio Lower Upper

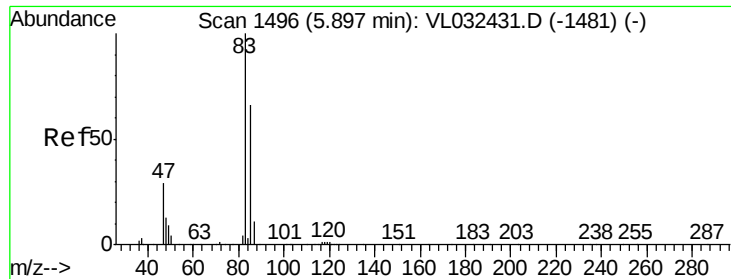
73 100

57 24.1 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: 9.424 ppbv

RT: 5.90 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

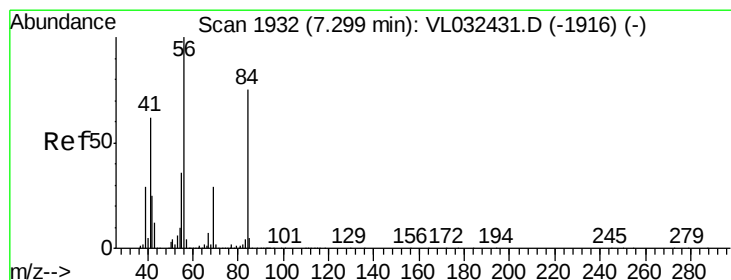
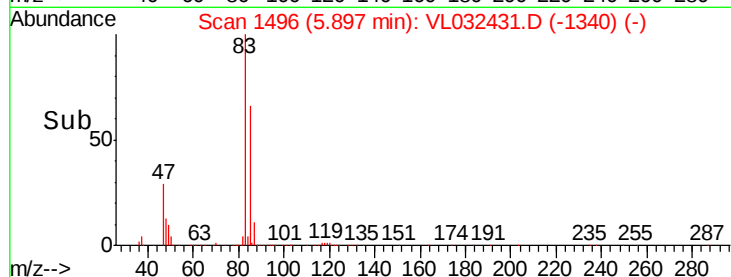
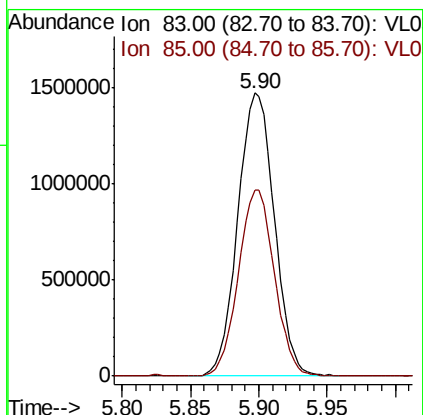
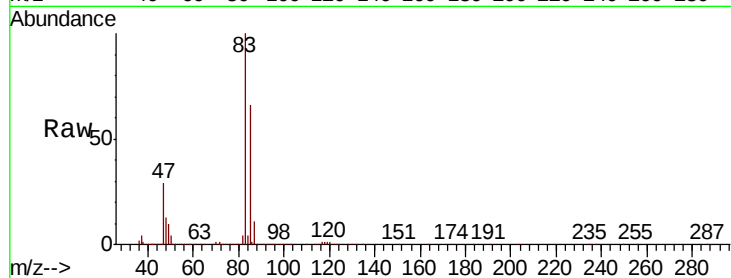
VSTDICCC010

Tgt Ion: 83 Resp: 2739293

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7



#30

Cyclohexane

Concen: 10.996 ppbv

RT: 7.30 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

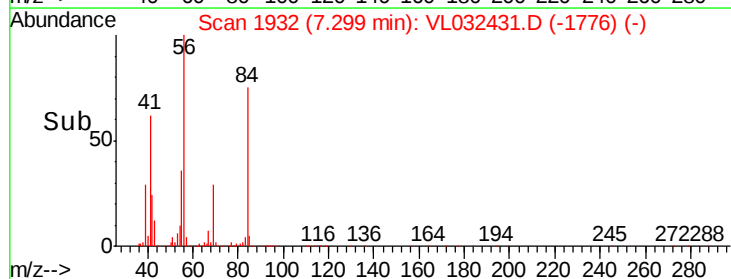
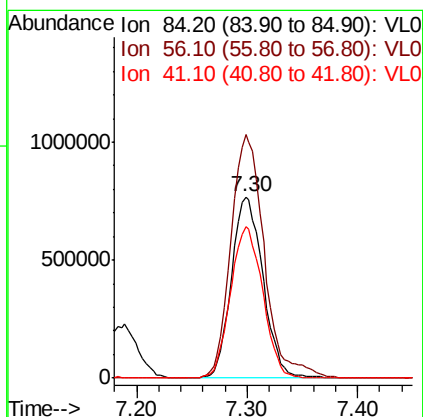
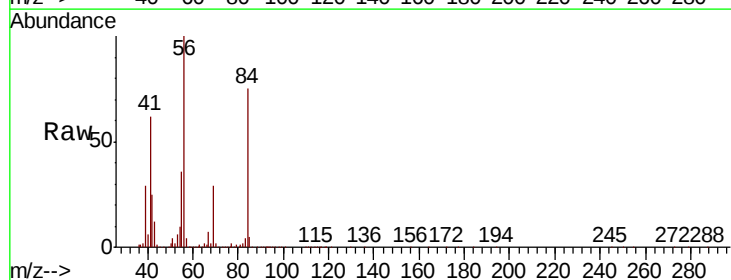
Tgt Ion: 84 Resp: 1528127

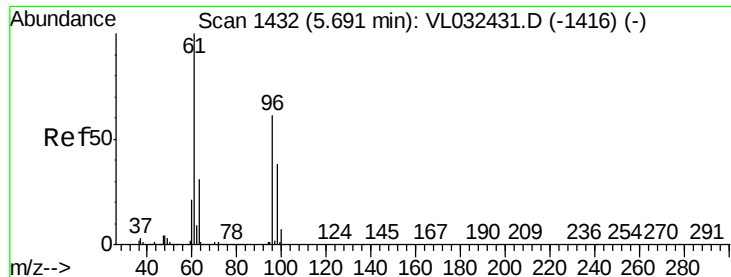
Ion Ratio Lower Upper

84 100

56 141.9 113.5 170.3

41 85.1 68.0 102.0





#31

cis-1,2-Dichloroethene

Concen: 10.720 ppbv

RT: 5.69 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

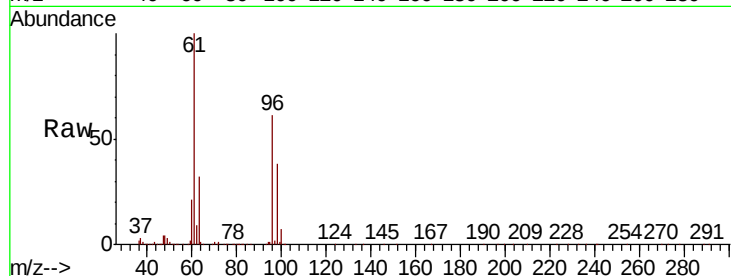
Tgt Ion: 61 Resp: 1841440

Ion	Ratio	Lower	Upper
61	100		
96	61.5	49.2	73.8
98	38.4	30.7	46.1

61 100

96 61.5 49.2 73.8

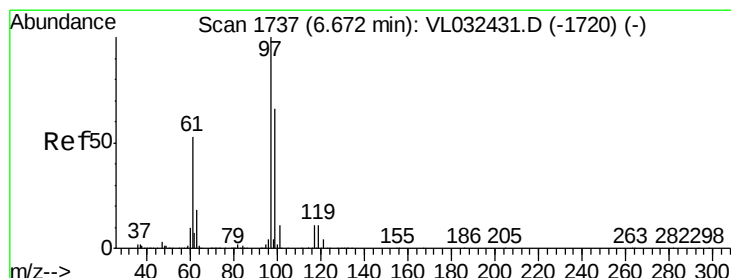
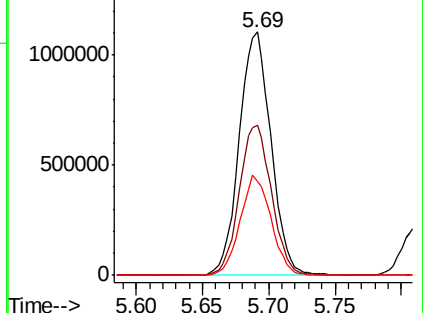
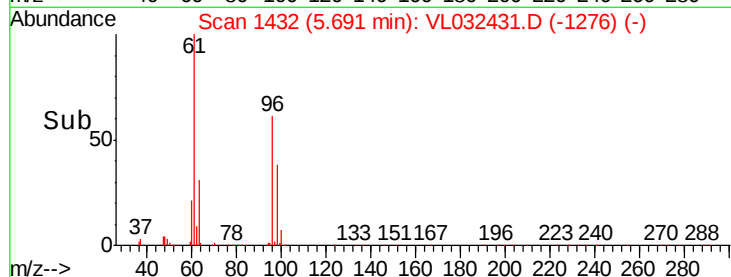
98 38.4 30.7 46.1



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.165 ppbv

RT: 6.67 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

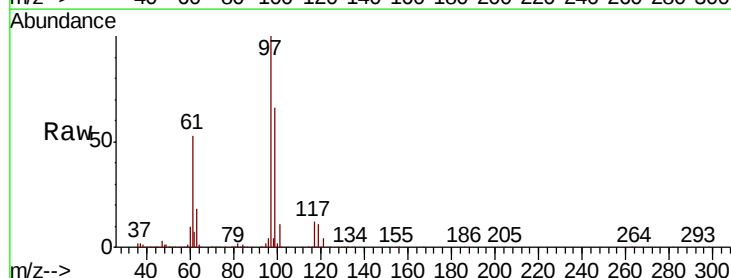
Tgt Ion: 97 Resp: 2550807

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	53.1	42.6	64.0

97 100

99 65.1 52.1 78.1

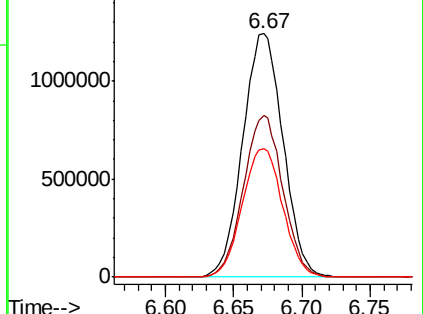
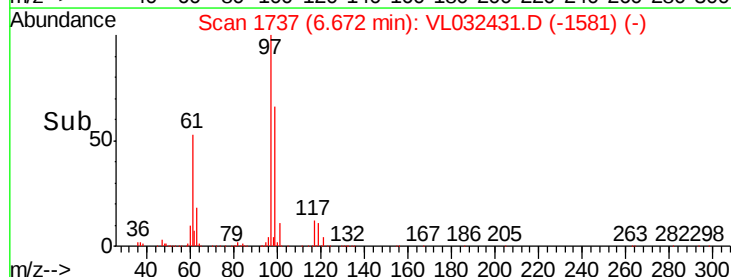
61 53.1 42.6 64.0

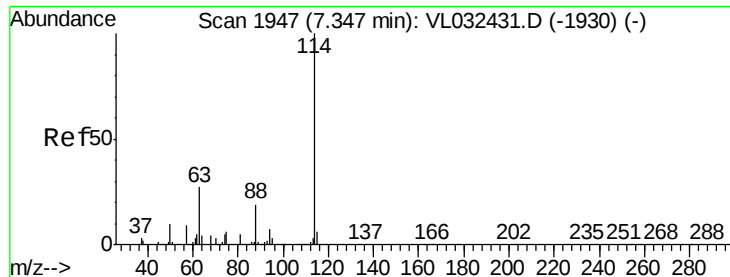


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

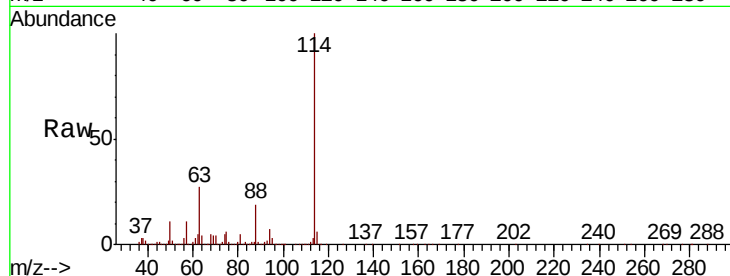




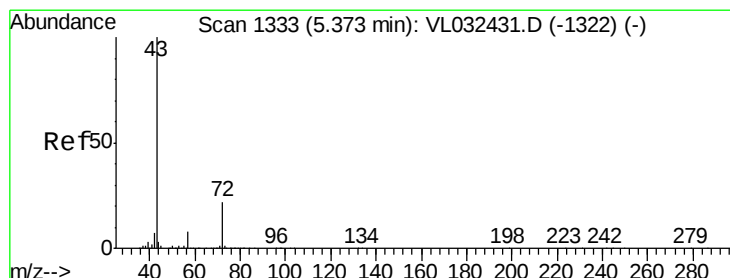
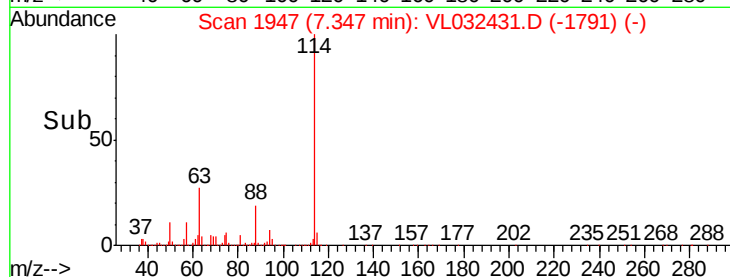
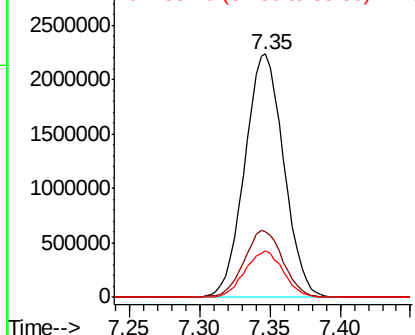
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1947
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 4336235
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.1 33.1
 88 18.7 15.0 22.6

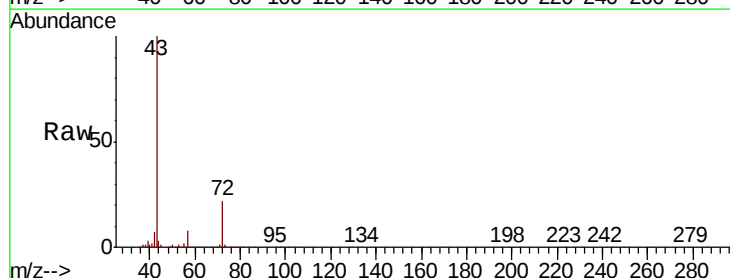


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

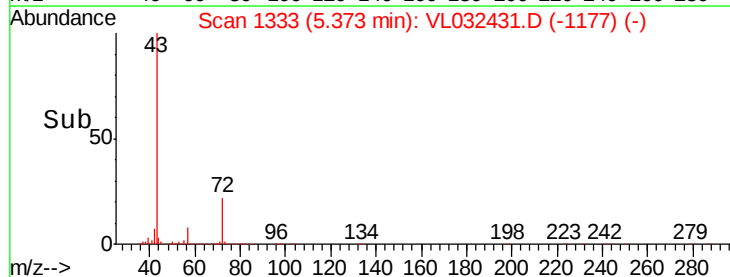
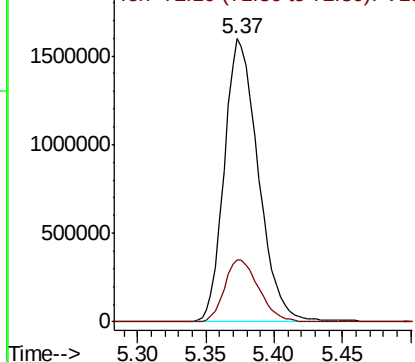


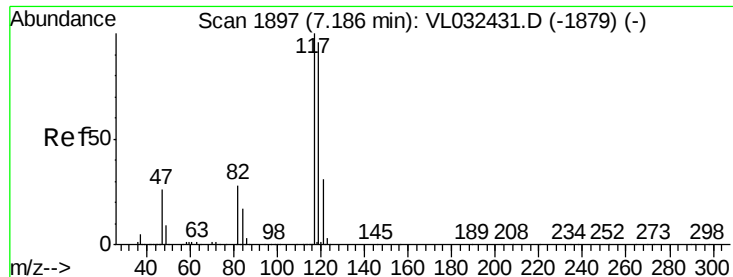
#34
 2-Butanone
 Concen: 9.996 ppbv
 RT: 5.37 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 43 Resp: 2759082
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.8 26.6



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

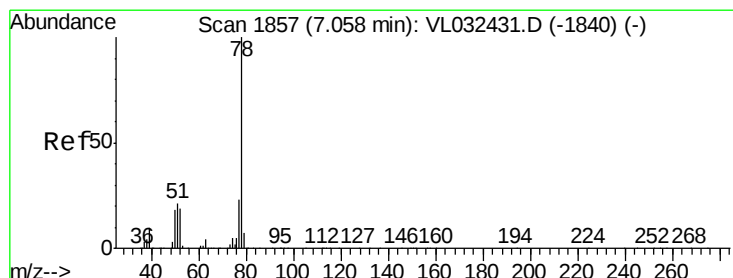
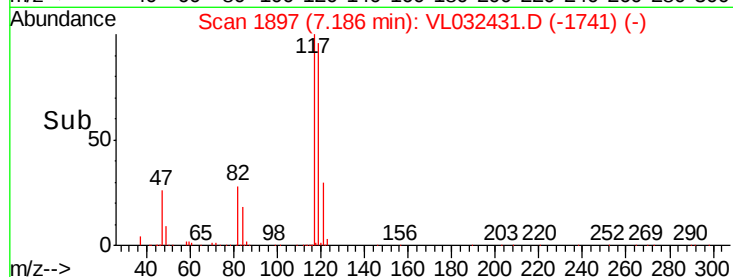
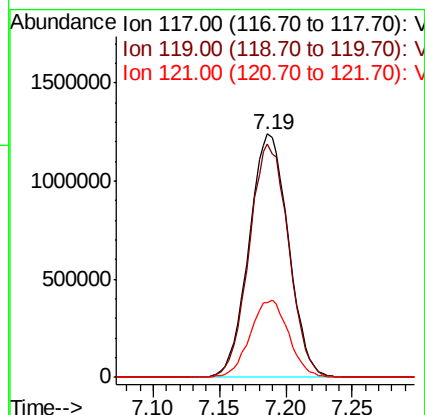
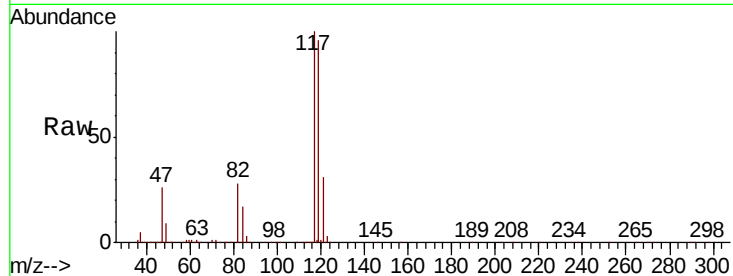




#35
Carbon Tetrachloride
Concen: 9.561 ppbv
RT: 7.19 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

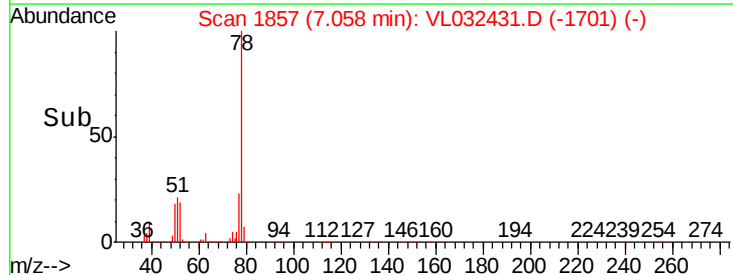
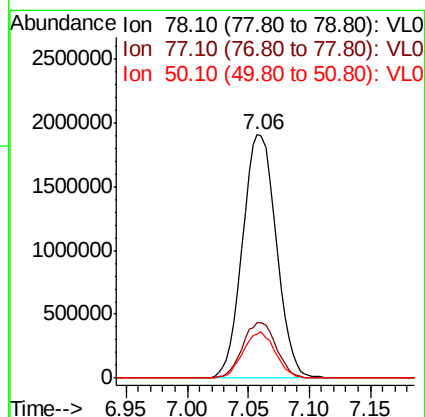
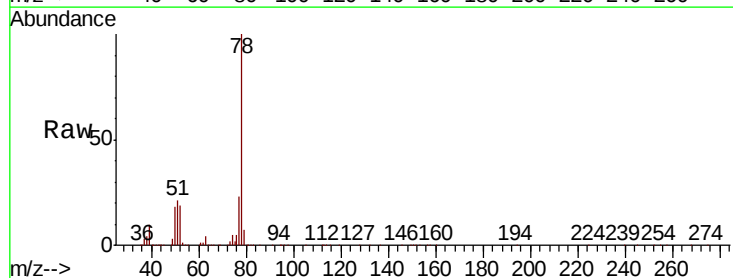
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

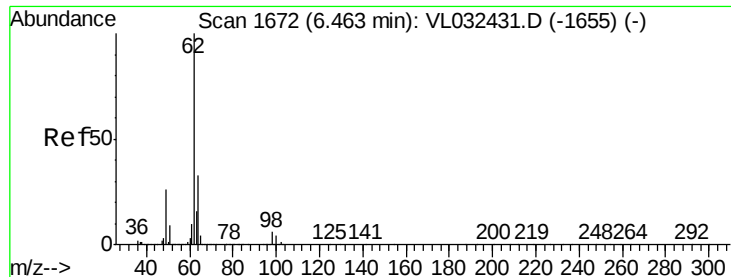
Tgt Ion:117 Resp: 2567355
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0
121 30.7 24.6 36.8



#36
Benzene
Concen: 10.136 ppbv
RT: 7.06 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 78 Resp: 3638969
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
50 18.0 14.4 21.6

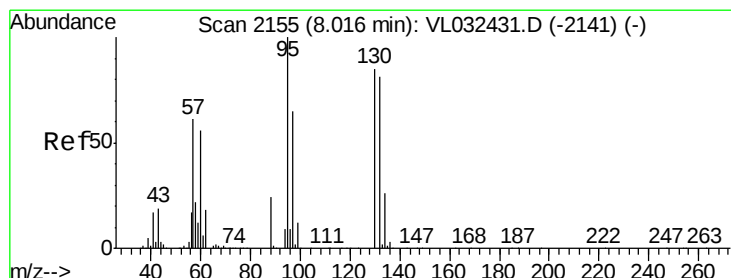
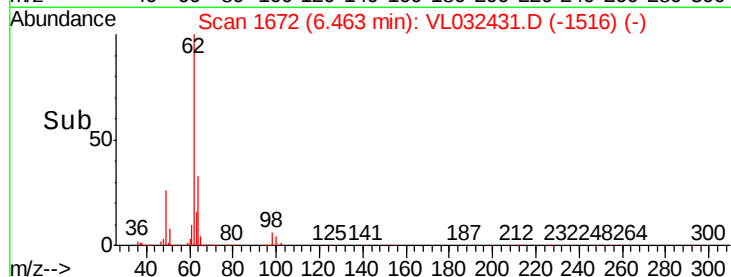
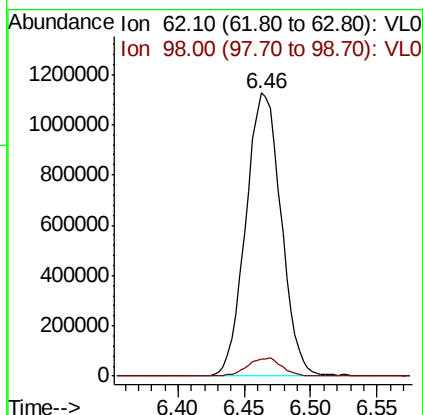
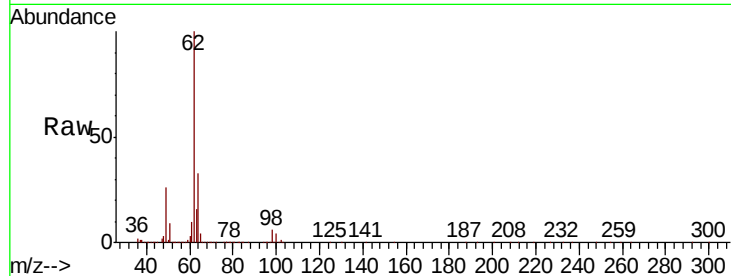




#37
 1,2-Dichloroethane
 Concen: 9.413 ppbv
 RT: 6.46 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

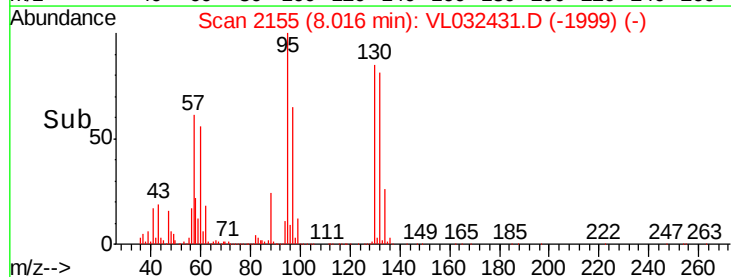
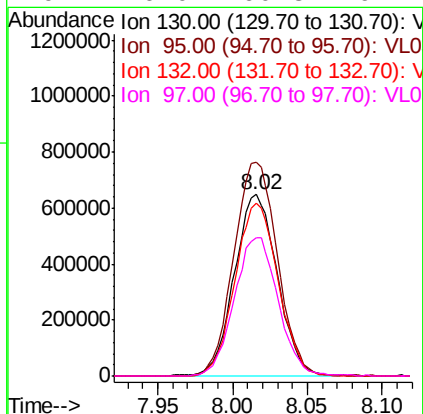
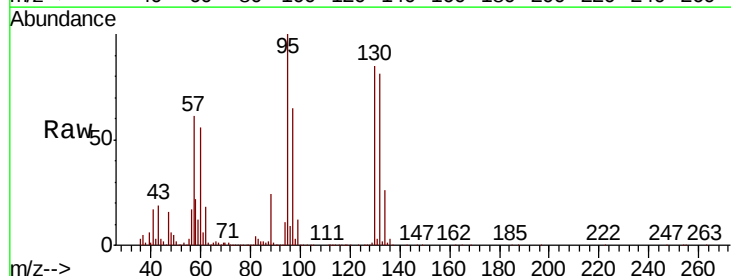
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

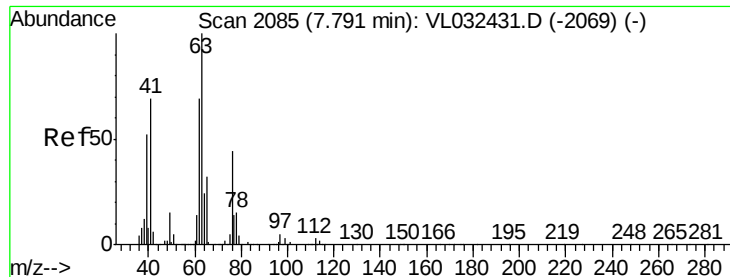
Tgt Ion: 62 Resp: 2093531
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6



#38
 Trichloroethene
 Concen: 10.659 ppbv
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 130 Resp: 1278188
 Ion Ratio Lower Upper
 130 100
 95 117.8 94.2 141.4
 132 95.3 76.2 114.4
 97 76.0 60.8 91.2





#39

1,2-Dichloropropane

Concen: 9.837 ppbv

RT: 7.79 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

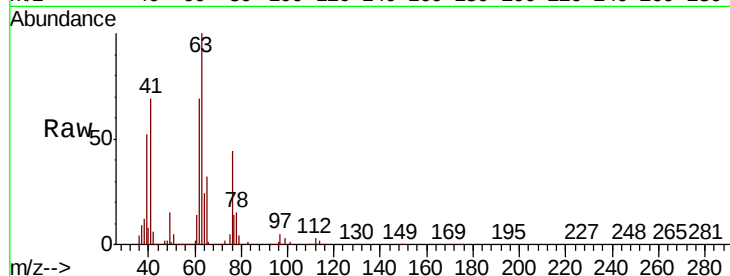
Tgt Ion: 63 Resp: 1483340

Ion Ratio Lower Upper

63 100

41 69.2 55.4 83.0

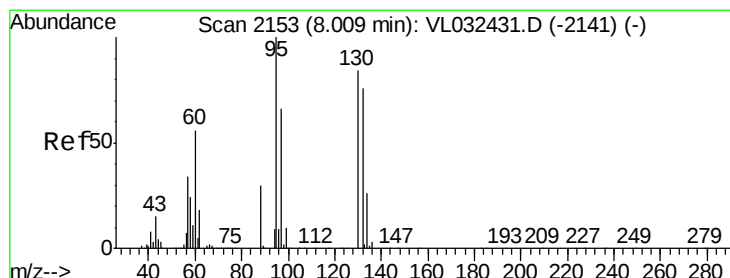
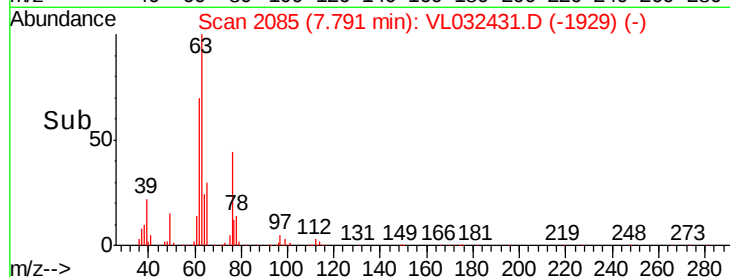
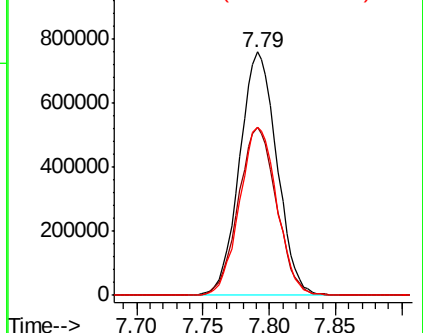
62 69.2 55.4 83.0



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: 10.774 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion: 88 Resp: 484390

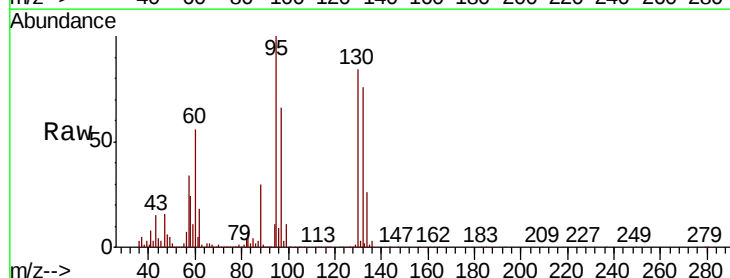
Ion Ratio Lower Upper

88 100

58 149.6 119.7 179.5

43 316.2 253.0 379.4

57 1446.1 1156.9 1735.3

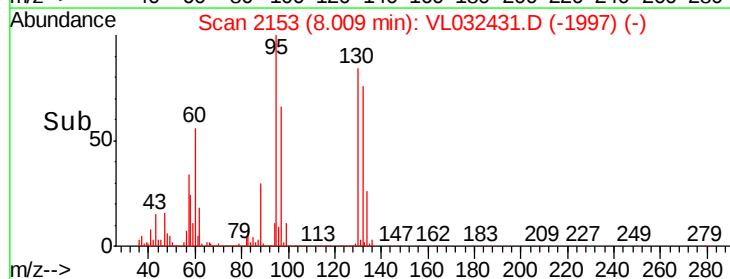
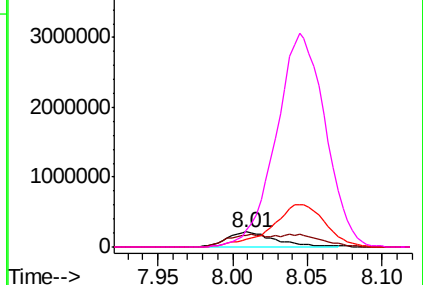


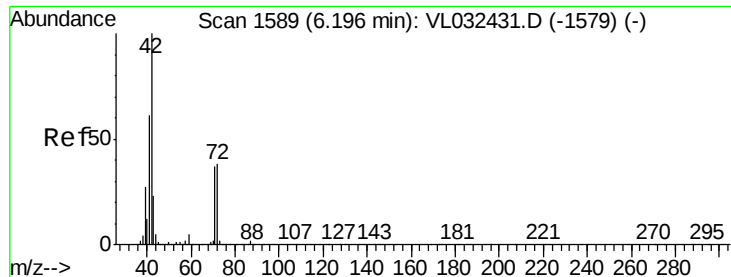
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.063 ppbv

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

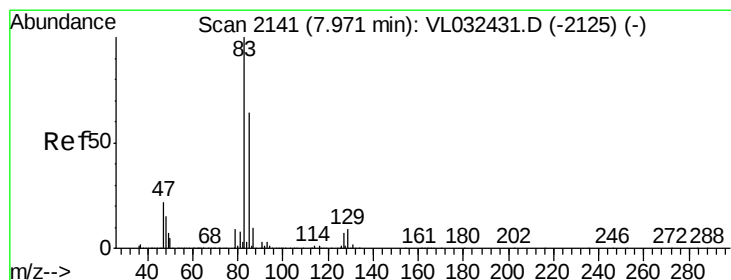
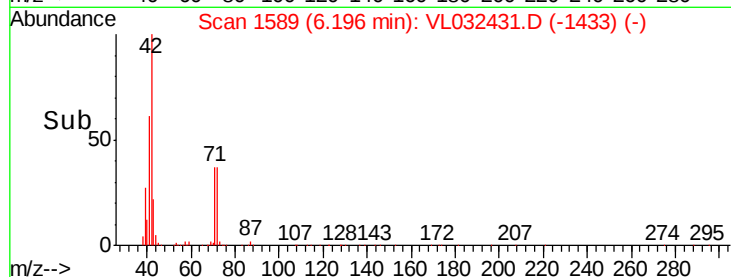
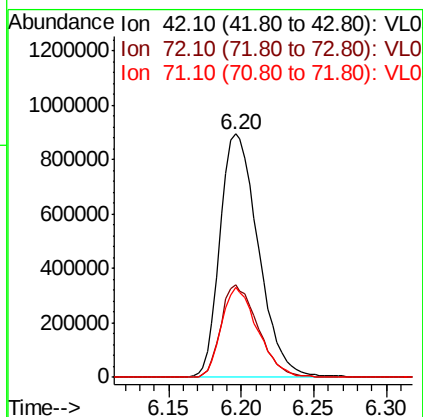
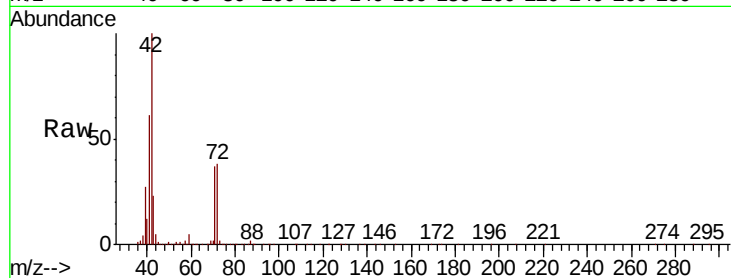
Tgt Ion: 42 Resp: 1634368

Ion Ratio Lower Upper

42 100

72 36.9 29.5 44.3

71 35.4 28.3 42.5



#42

Bromodichloromethane

Concen: 9.562 ppbv

RT: 7.97 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

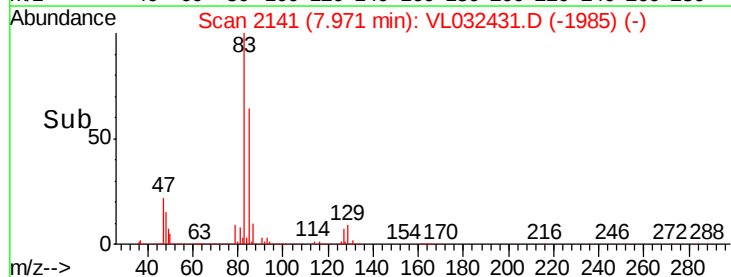
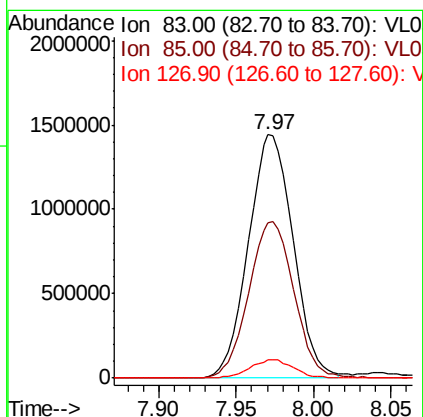
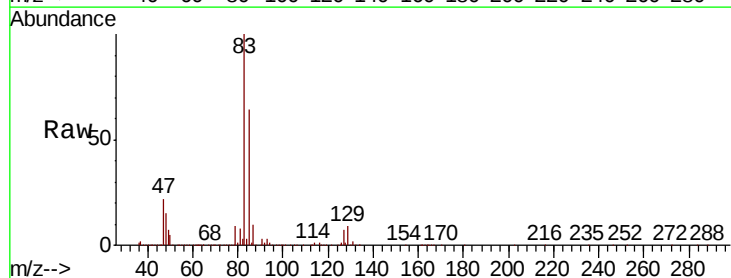
Tgt Ion: 83 Resp: 2906764

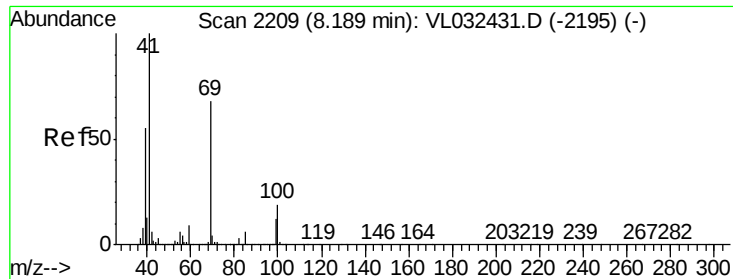
Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

127 7.3 5.8 8.8

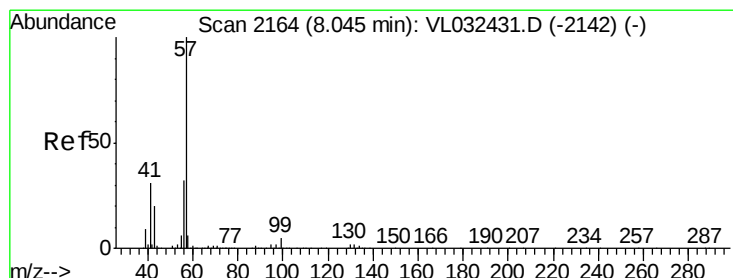
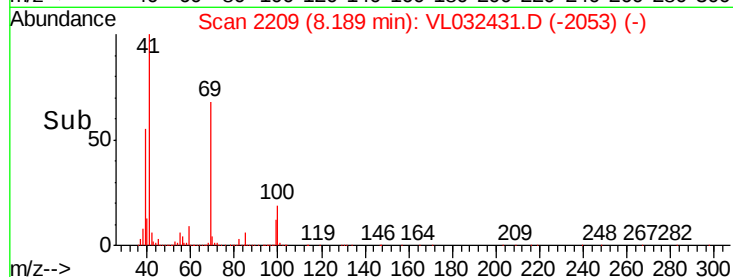
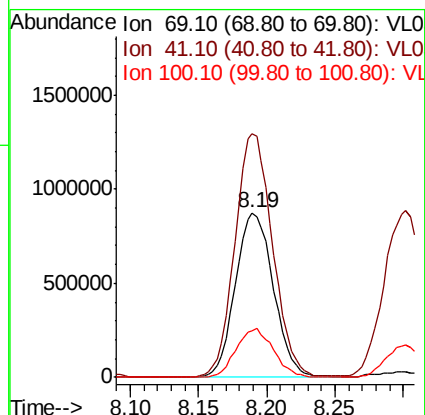
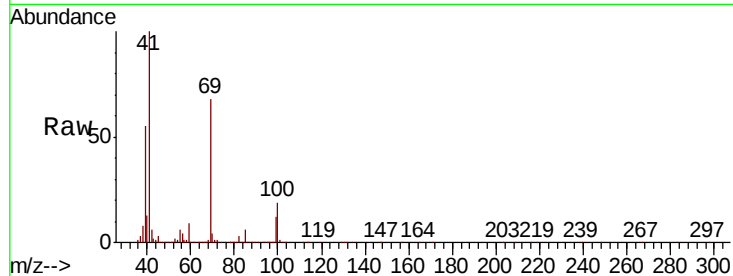




#43
Methyl Methacrylate
Concen: 11.447 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

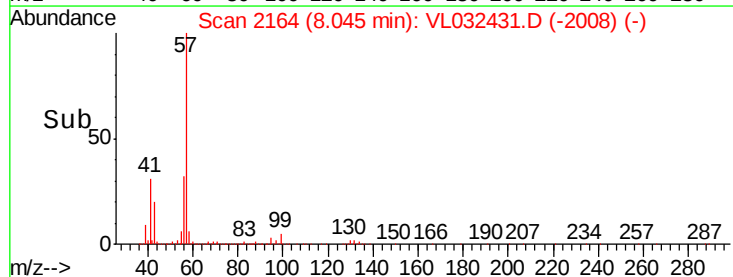
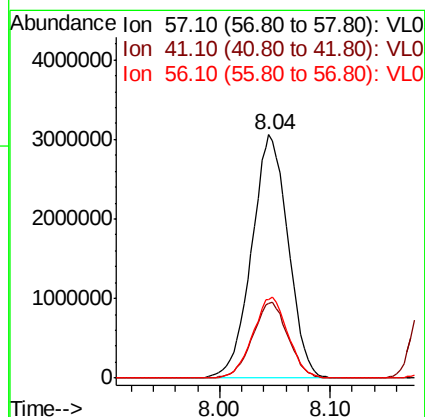
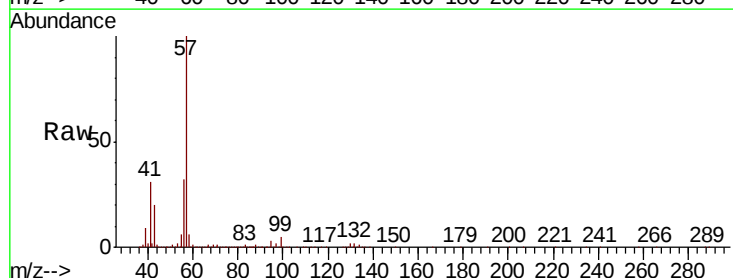
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

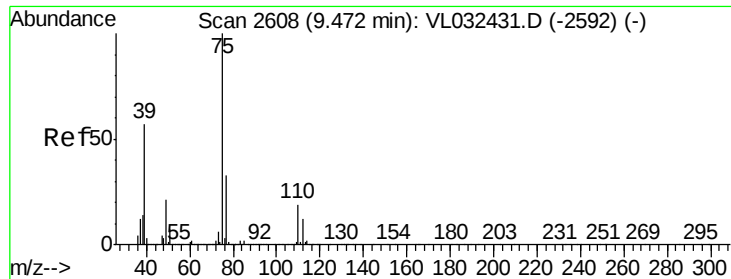
Tgt Ion: 69 Resp: 1692611
Ion Ratio Lower Upper
69 100
41 146.4 117.2 175.8
100 29.3 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 10.440 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 57 Resp: 6995101
Ion Ratio Lower Upper
57 100
41 30.5 24.3 36.5
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.198 ppbv

RT: 9.47 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

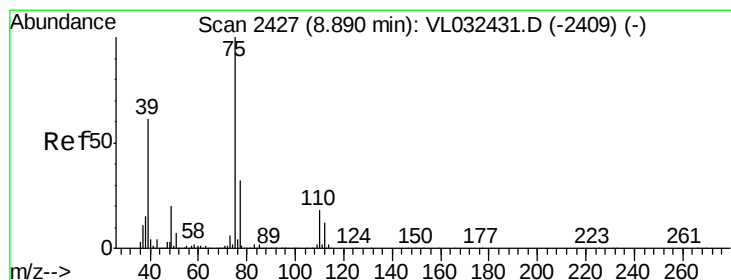
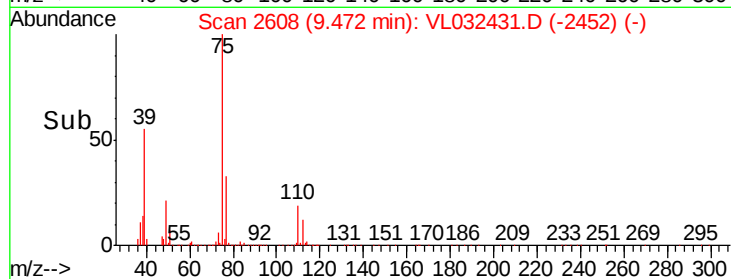
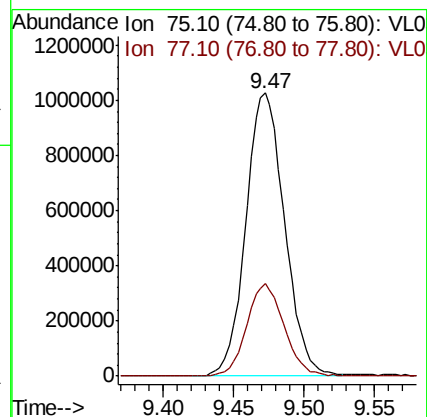
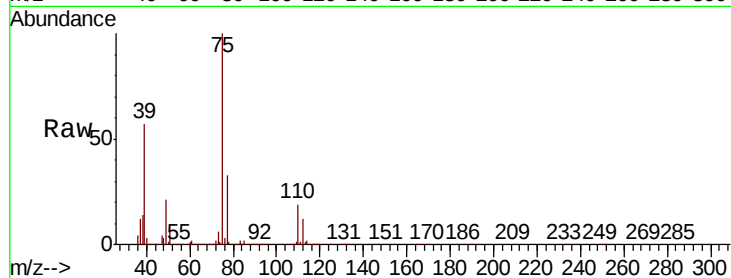
VSTDICCC010

Tgt Ion: 75 Resp: 1967304

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 11.344 ppbv

RT: 8.89 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

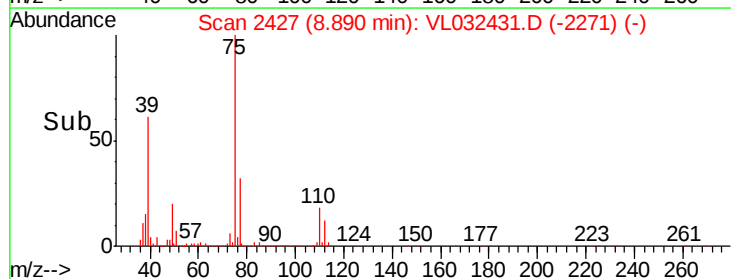
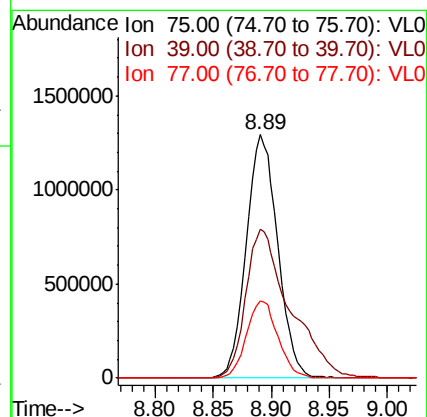
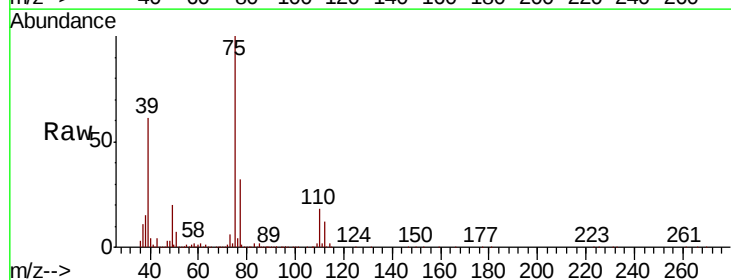
Tgt Ion: 75 Resp: 2438760

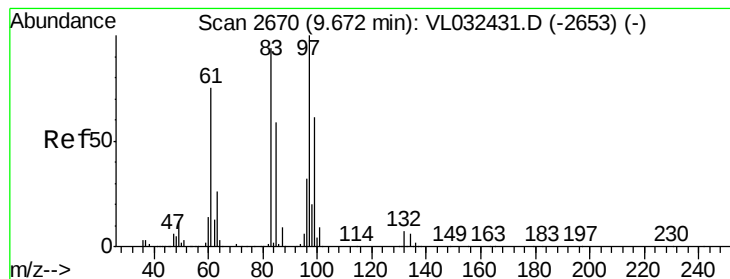
Ion Ratio Lower Upper

75 100

39 61.1 48.9 73.3

77 31.7 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.066 ppbv

RT: 9.67 min Scan# 2670

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1463856

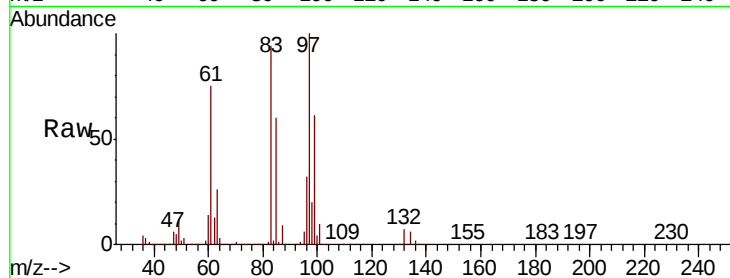
Ion Ratio Lower Upper

97 100

83 93.7 75.0 112.4

85 59.4 47.5 71.3

99 61.3 49.0 73.6

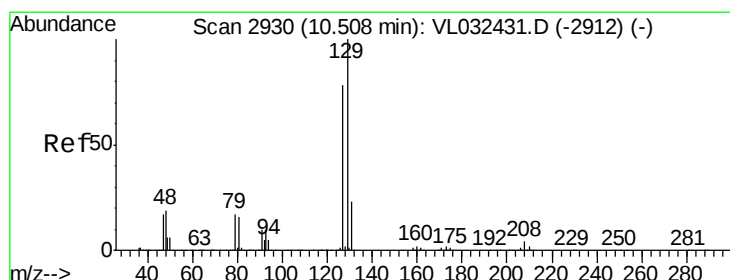
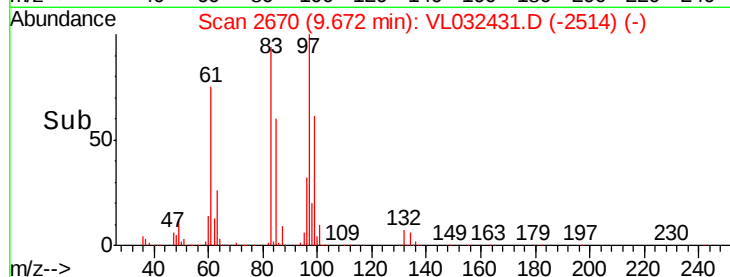
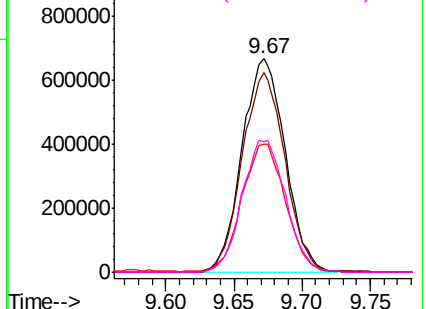


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.173 ppbv

RT: 10.51 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VL032431.D

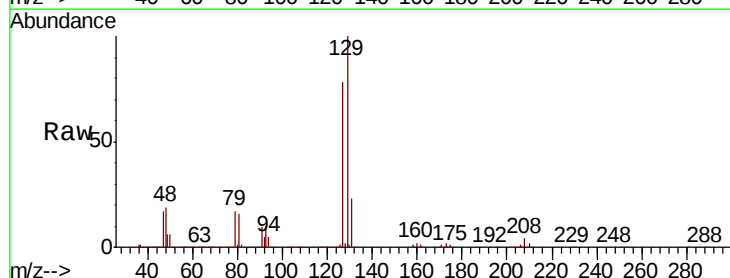
Acq: 31 Aug 2018 00:30

Tgt Ion: 129 Resp: 2314540

Ion Ratio Lower Upper

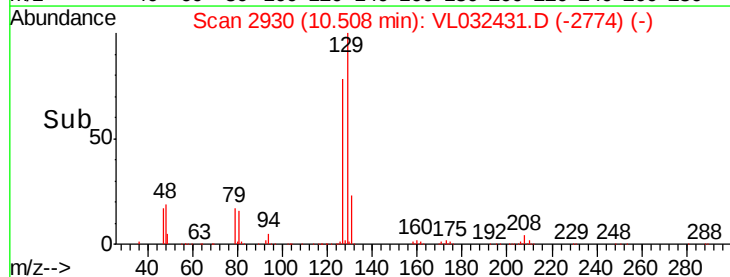
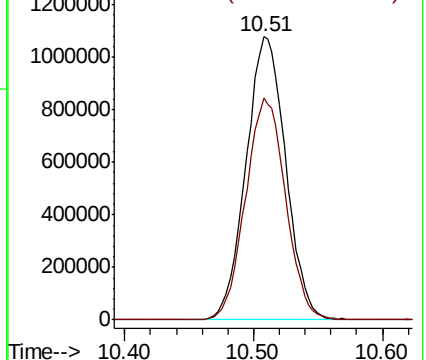
129 100

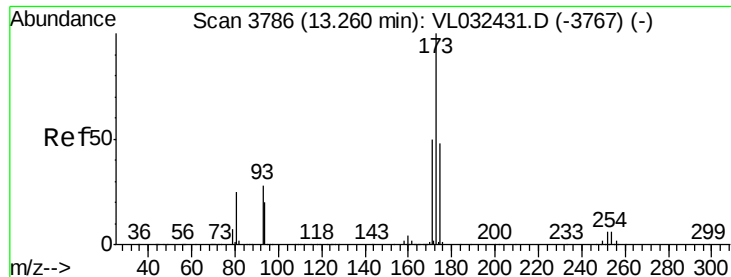
127 78.9 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.132 ppbv

RT: 13.26 min Scan# 3786

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

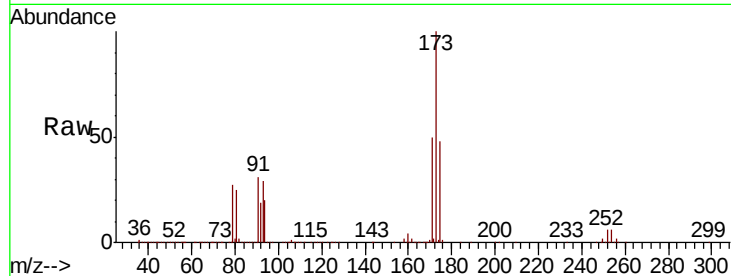
Tgt Ion:173 Resp: 2024647

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

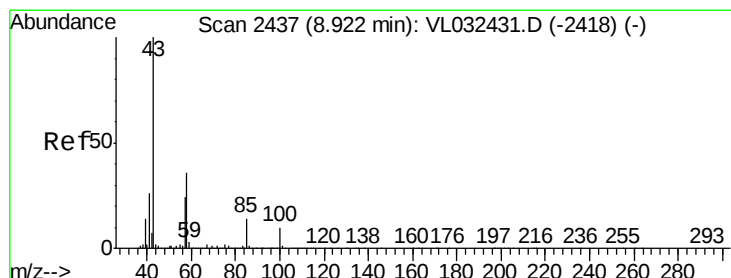
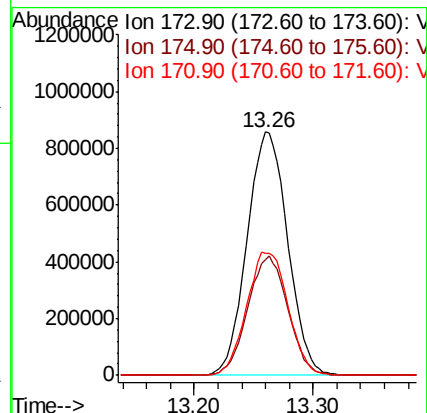
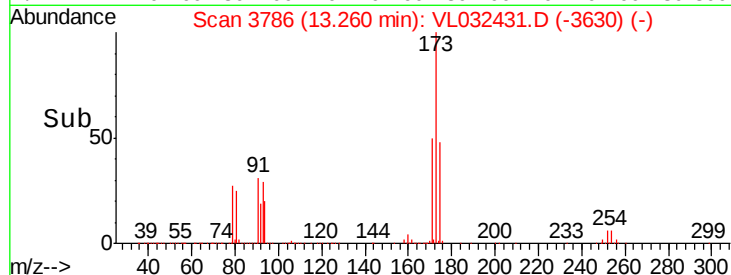
171 52.0 41.6 62.4



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: 10.265 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032431.D

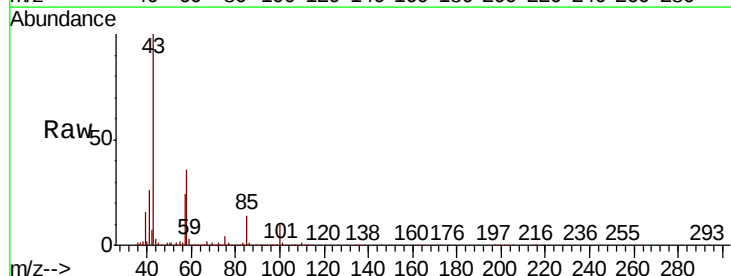
Acq: 31 Aug 2018 00:30

Tgt Ion: 43 Resp: 4393970

Ion Ratio Lower Upper

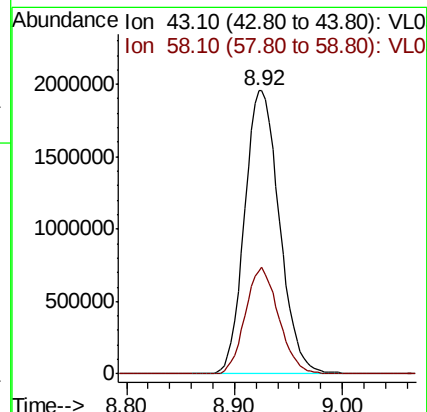
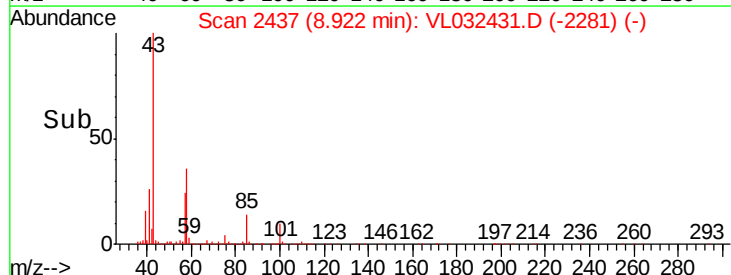
43 100

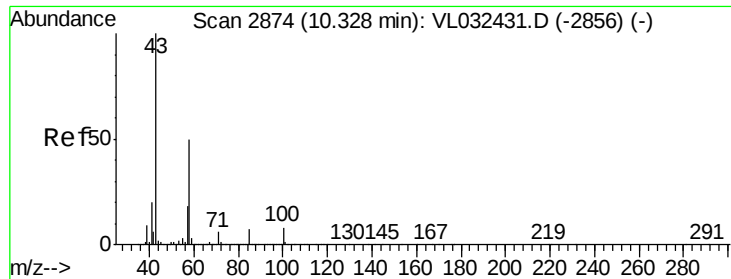
58 36.2 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

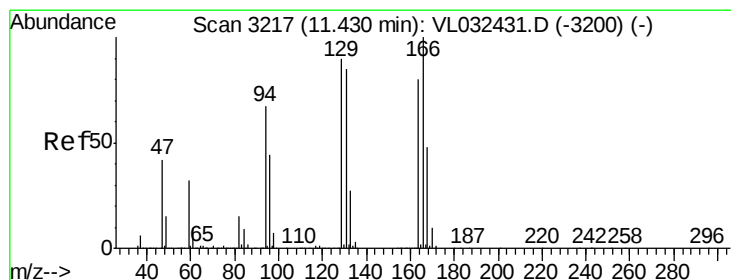
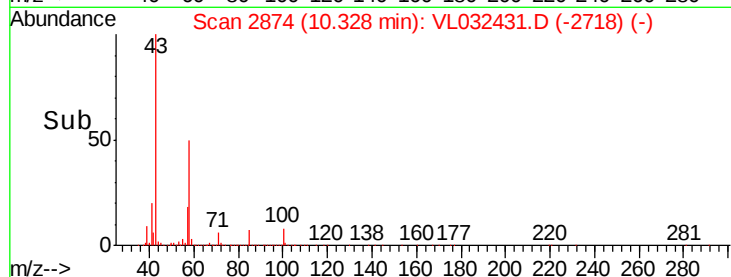
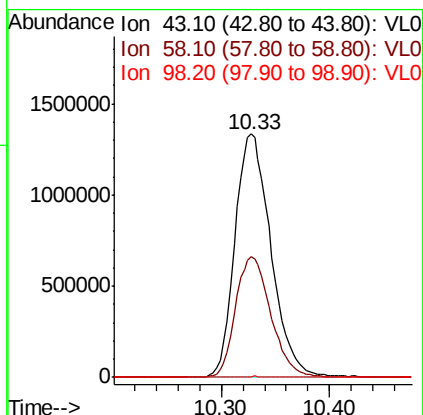
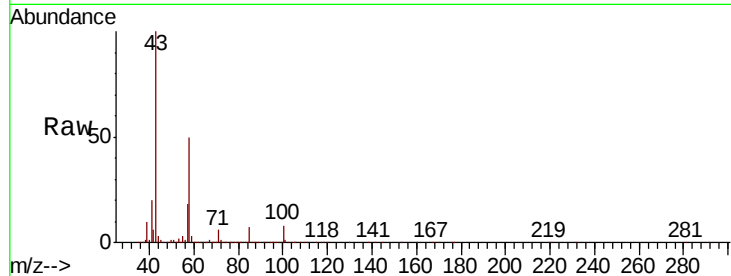




#51
2-Hexanone
Concen: 10.919 ppbv
RT: 10.33 min Scan# 2874
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

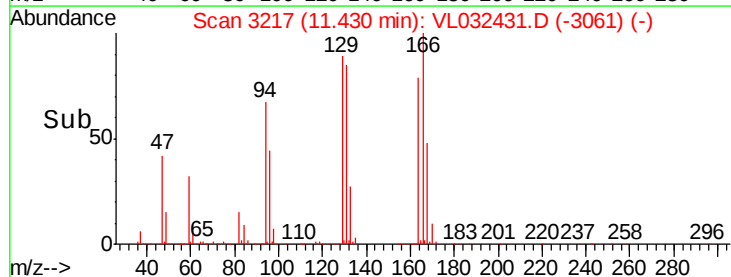
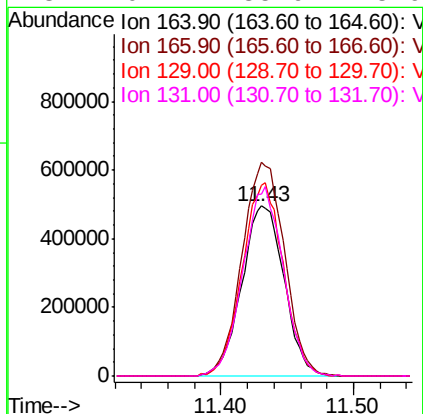
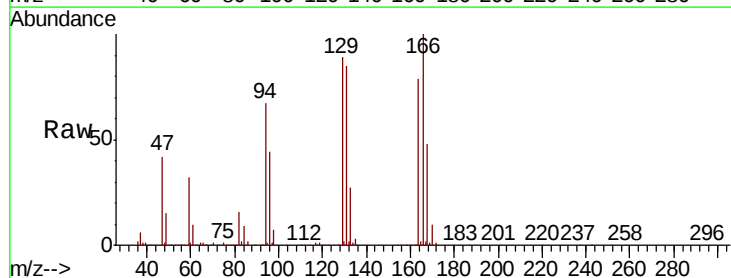
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

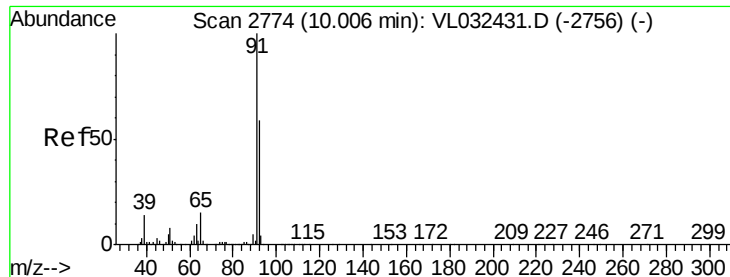
Tgt Ion: 43 Resp: 3086499
Ion Ratio Lower Upper
43 100
58 49.0 39.2 58.8
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 10.642 ppbv
RT: 11.43 min Scan# 3217
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 164 Resp: 1096034
Ion Ratio Lower Upper
164 100
166 125.7 100.6 150.8
129 112.4 89.9 134.9
131 107.4 85.9 128.9





#53

Toluene

Concen: 10.510 ppbv

RT: 10.01 min Scan# 2774

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

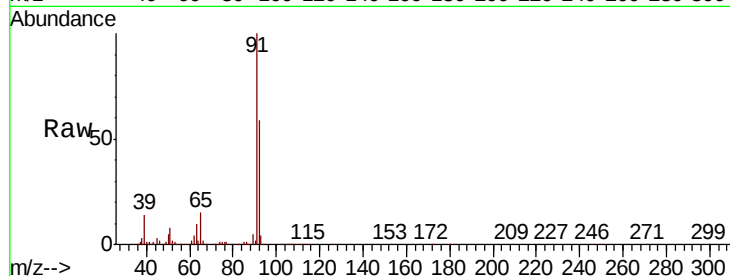
VSTDICCC010

Tgt Ion: 91 Resp: 3952260

Ion Ratio Lower Upper

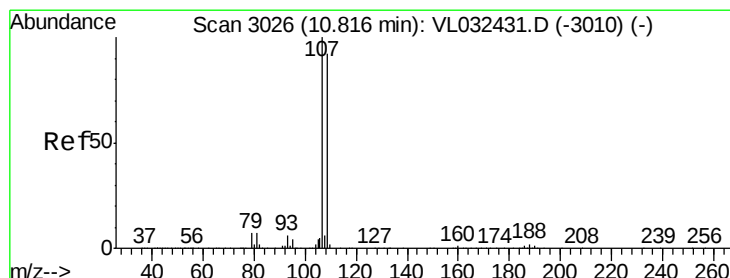
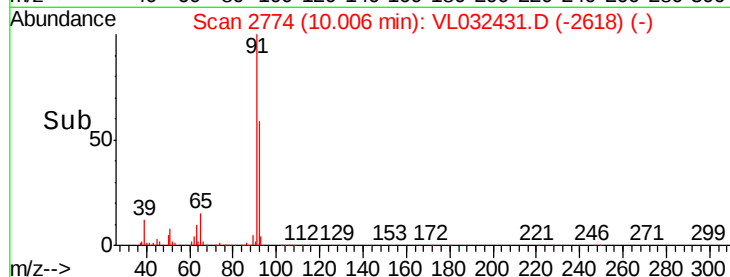
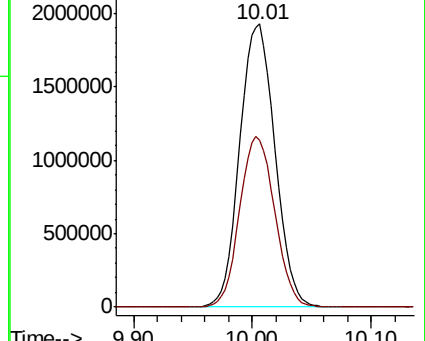
91 100

92 60.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.135 ppbv

RT: 10.82 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VL032431.D

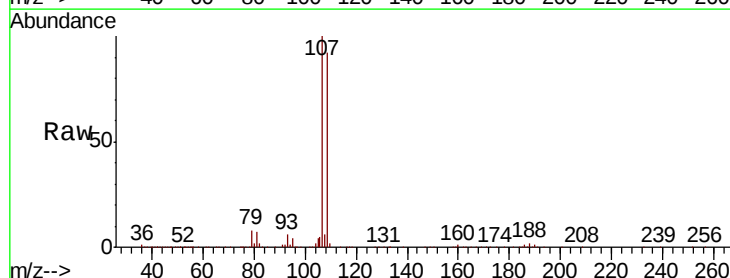
Acq: 31 Aug 2018 00:30

Tgt Ion: 107 Resp: 2363369

Ion Ratio Lower Upper

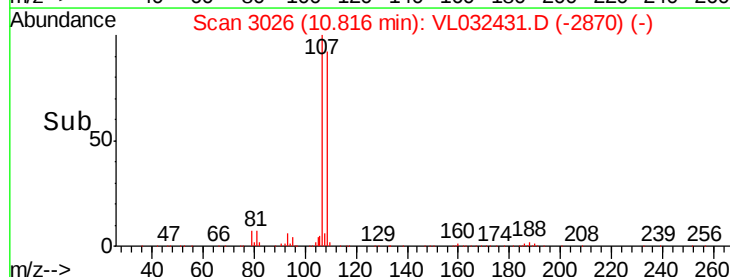
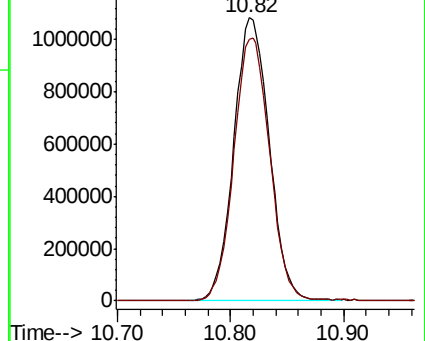
107 100

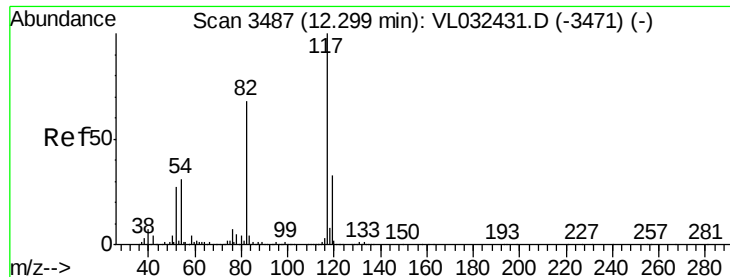
109 92.4 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

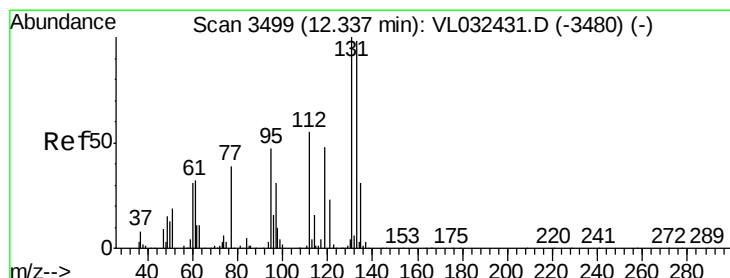
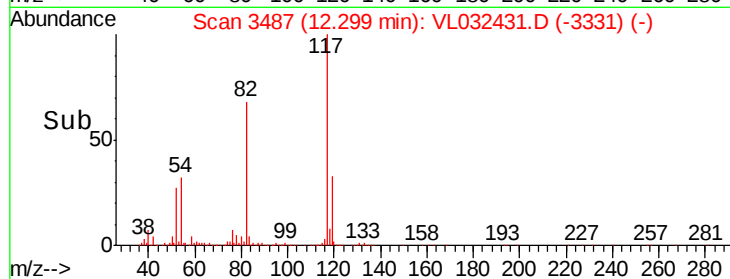
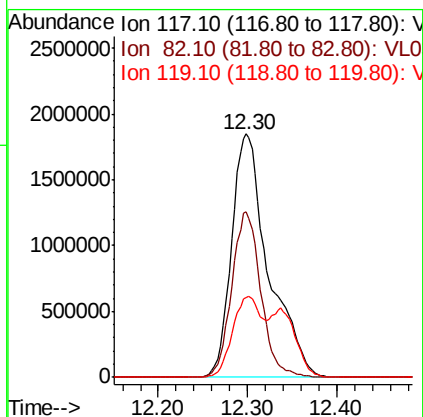
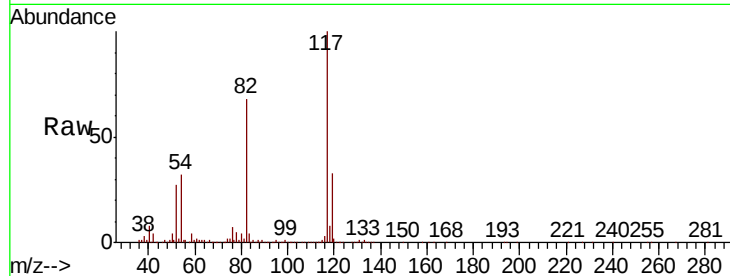




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3487
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

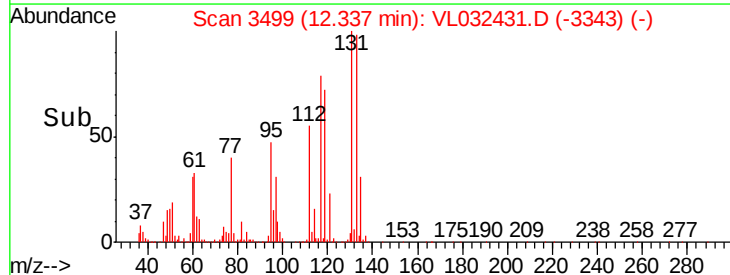
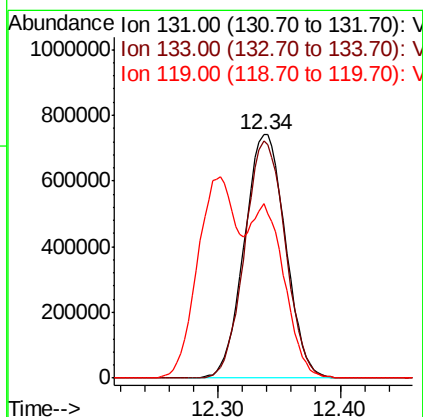
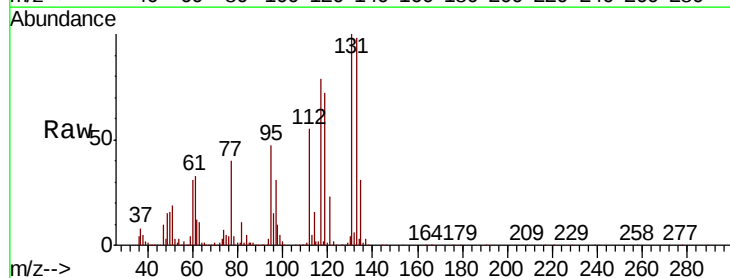
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

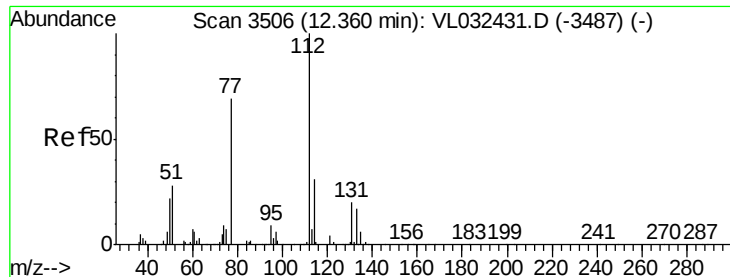
Tgt Ion:117 Resp: 5286233
Ion Ratio Lower Upper
117 100
82 53.9 51.5 77.3
119 46.6 44.6 66.8



#56
1,1,1,2-Tetrachloroethane
Concen: 7.595 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion:131 Resp: 1727647
Ion Ratio Lower Upper
131 100
133 96.2 77.0 115.4
119 142.7 48.9 73.3#





#57

Chlorobenzene

Concen: 7.681 ppbv

RT: 12.36 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

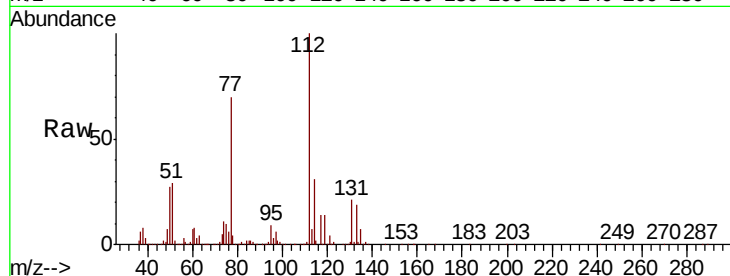
Tgt Ion: 112 Resp: 3110855

Ion Ratio Lower Upper

112 100

77 70.1 56.1 84.1

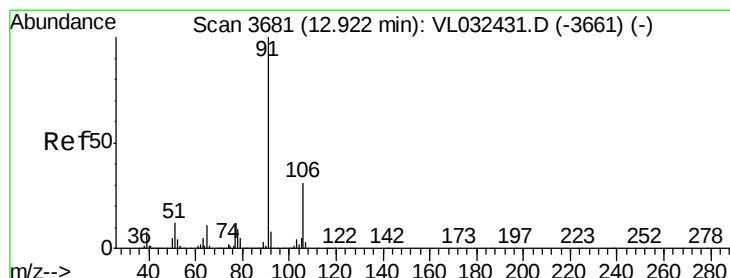
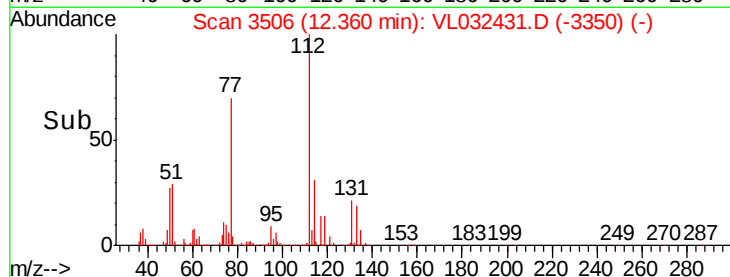
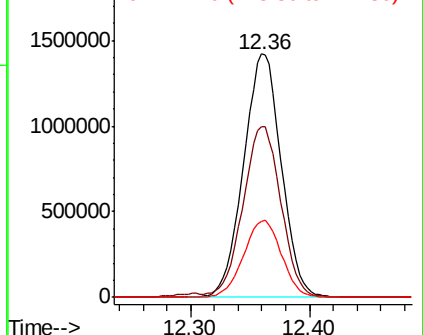
114 30.9 27.8 34.0



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: 9.214 ppbv

RT: 12.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VL032431.D

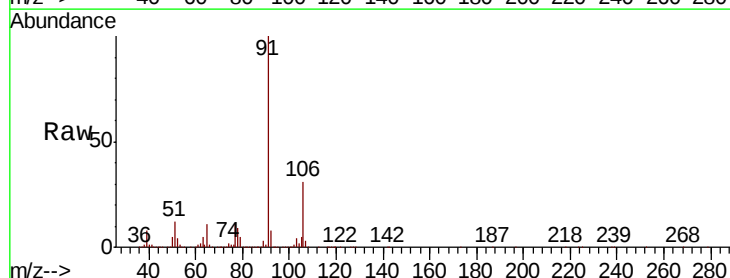
Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 5554253

Ion Ratio Lower Upper

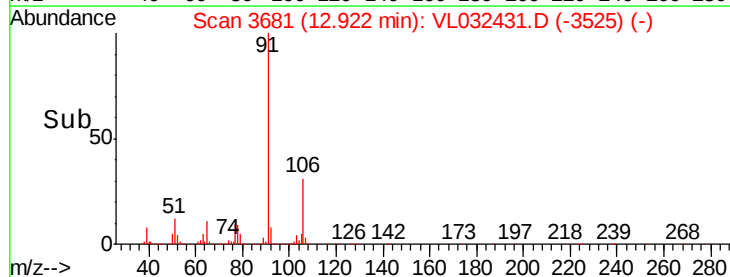
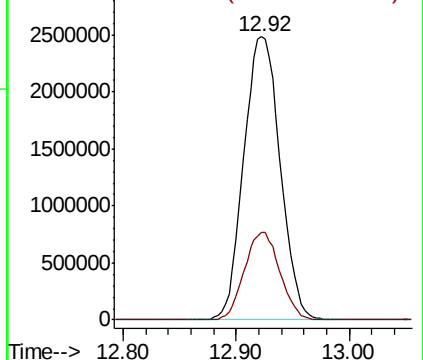
91 100

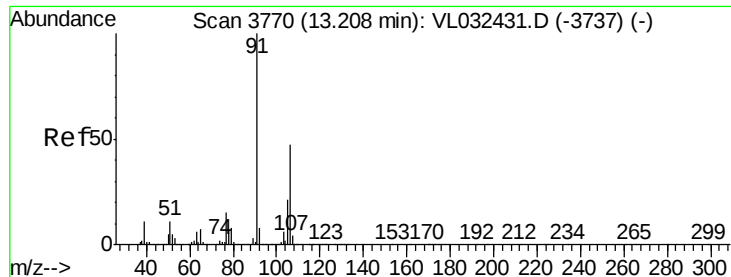
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

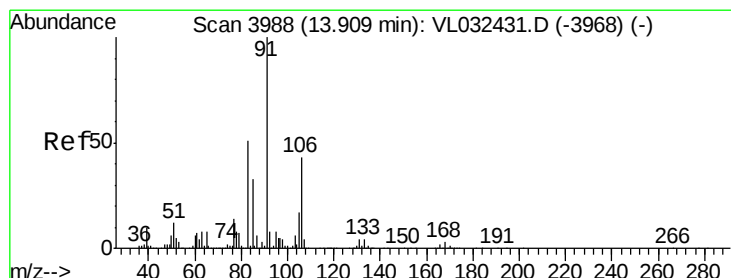
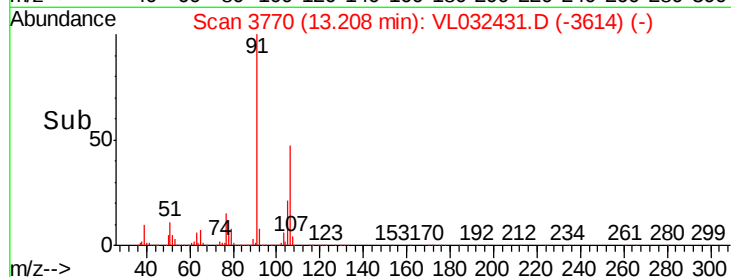
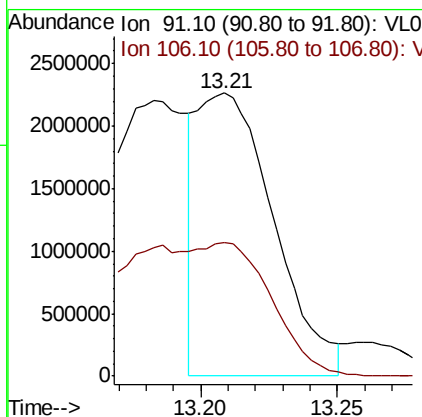
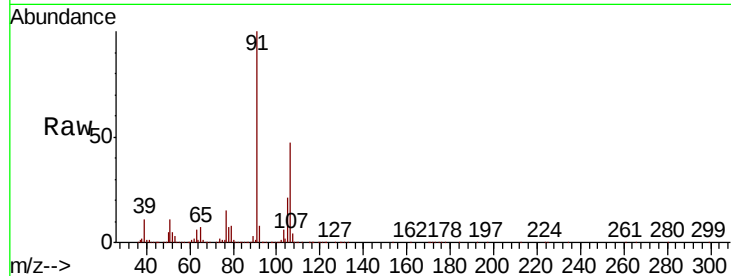




#59
m/p-Xylene
Concen: 8.170 ppbv
RT: 13.21 min Scan# 3770
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

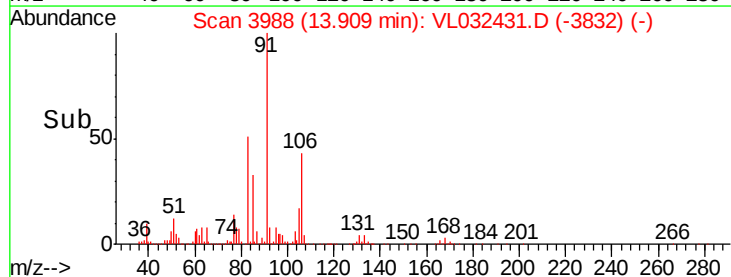
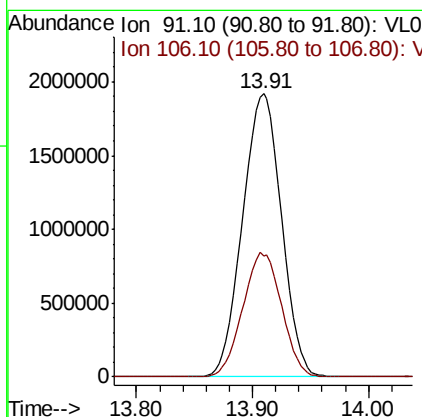
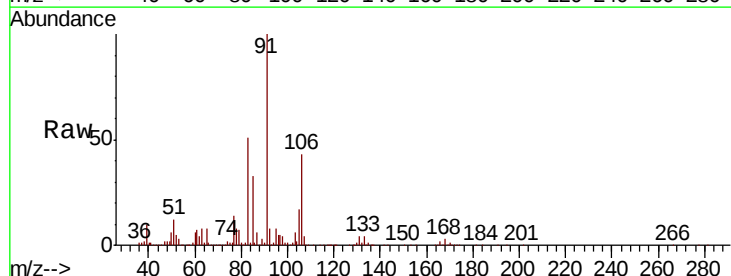
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

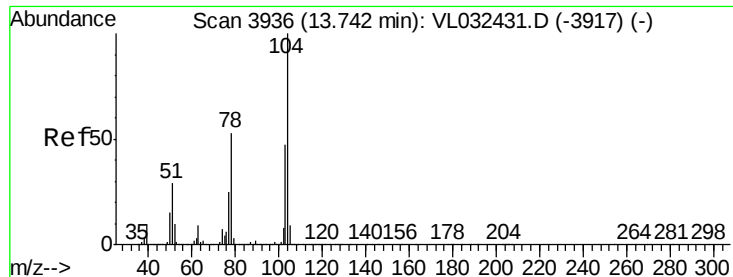
Tgt Ion: 91 Resp: 4387383
Ion Ratio Lower Upper
91 100
106 95.3 35.0 52.6#



#60
o-Xylene
Concen: 8.679 ppbv
RT: 13.91 min Scan# 3988
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 4477346
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7

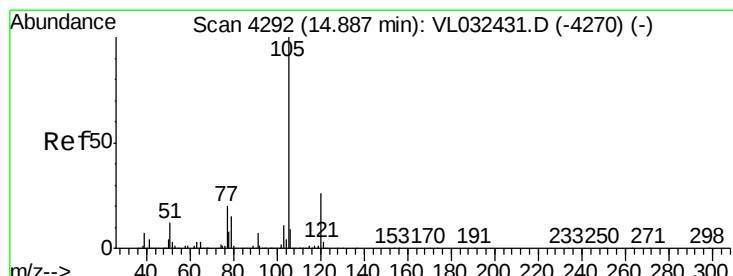
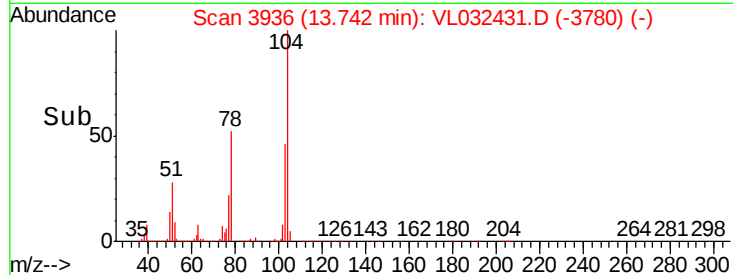
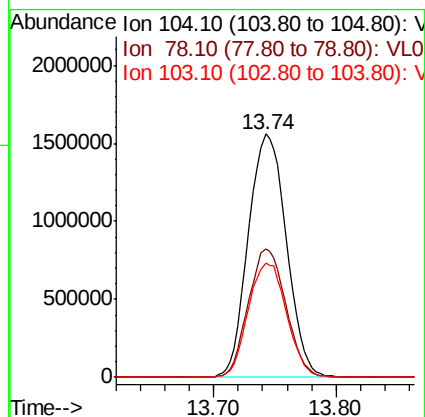
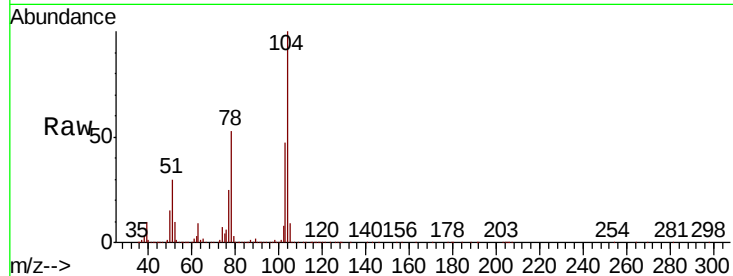




#61
Styrene
Concen: 9.696 ppbv
RT: 13.74 min Scan# 3936
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

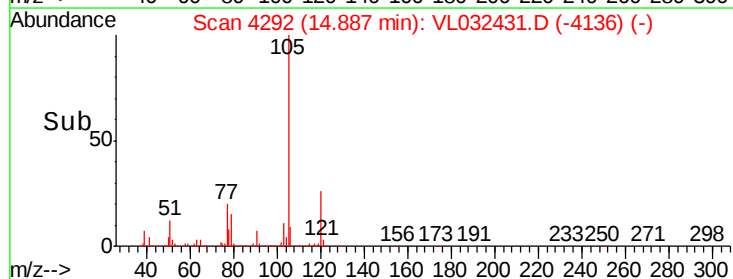
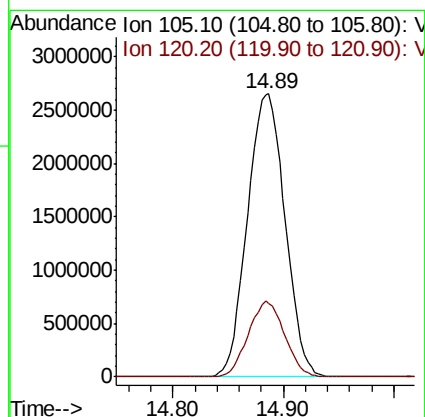
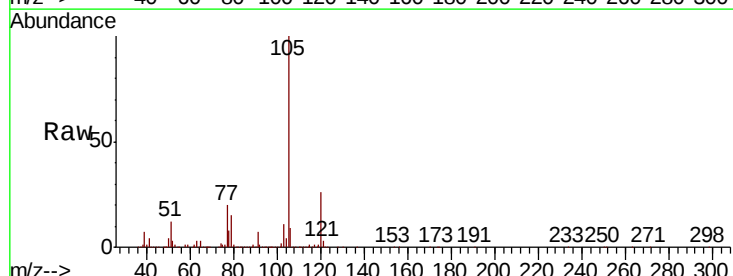
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

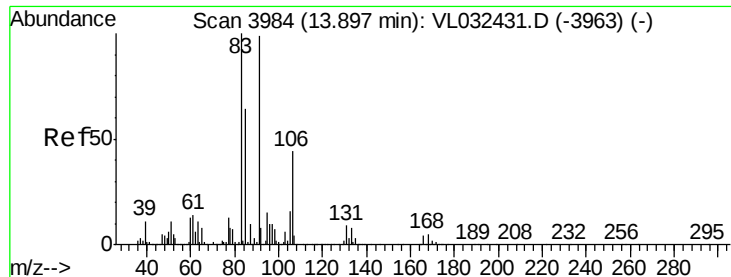
Tgt Ion:104 Resp: 3361621
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 47.5 38.0 57.0



#62
Isopropylbenzene
Concen: 8.568 ppbv
RT: 14.89 min Scan# 4292
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion:105 Resp: 6257668
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0

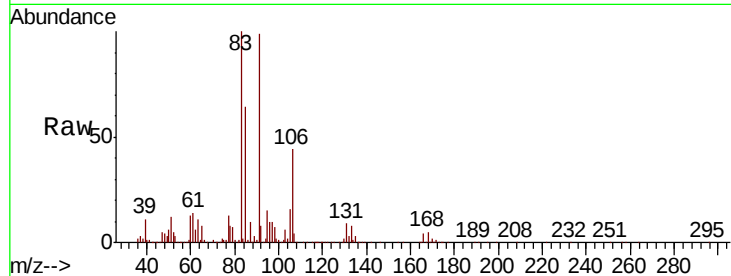




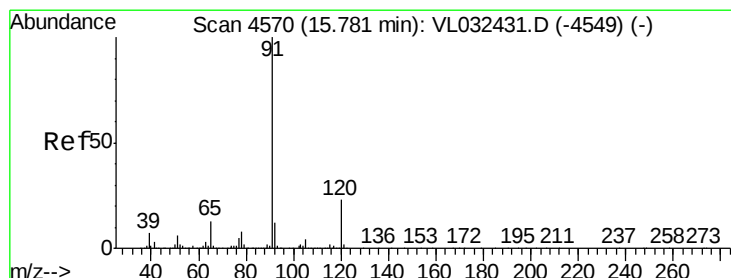
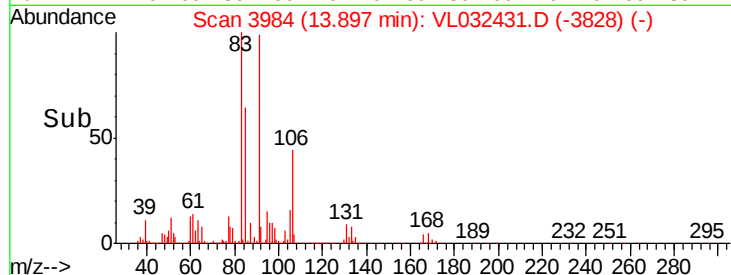
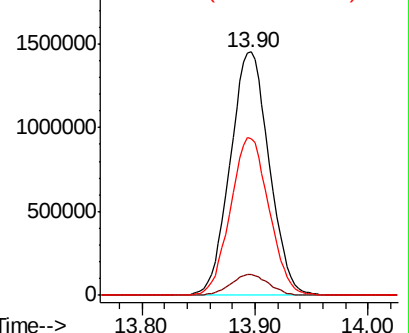
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.705 ppbv
 RT: 13.90 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 3472951
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 64.5 32.3 96.8

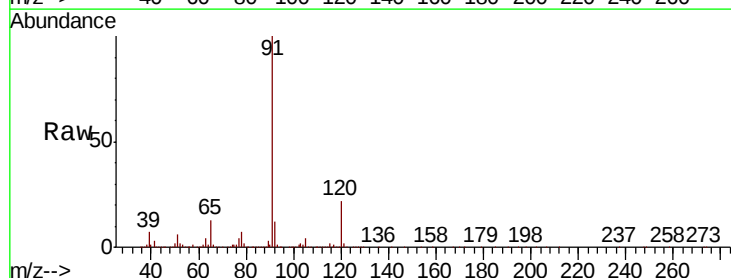


Abundance Ion 83.00 (82.70 to 83.70): VL0
 2000000 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

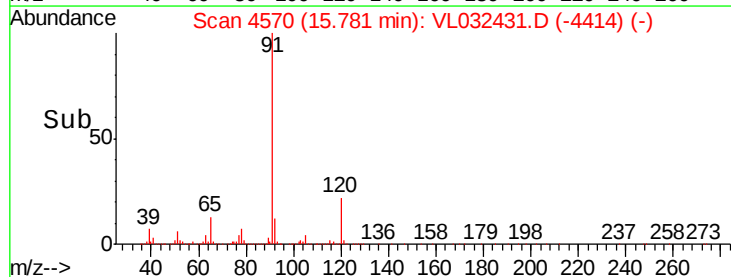
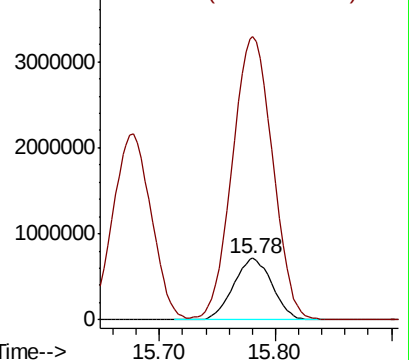


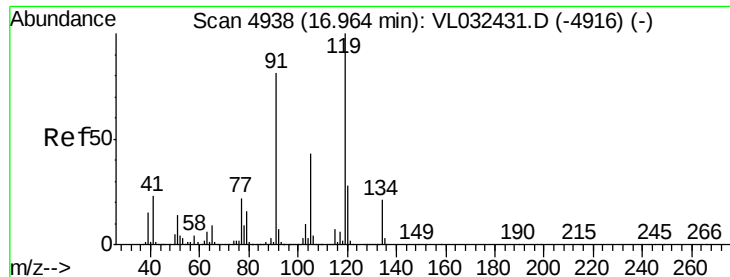
#64
 n-propylbenzene
 Concen: 8.715 ppbv
 RT: 15.78 min Scan# 4570
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 120 Resp: 1664357
 Ion Ratio Lower Upper
 120 100
 91 477.2 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0

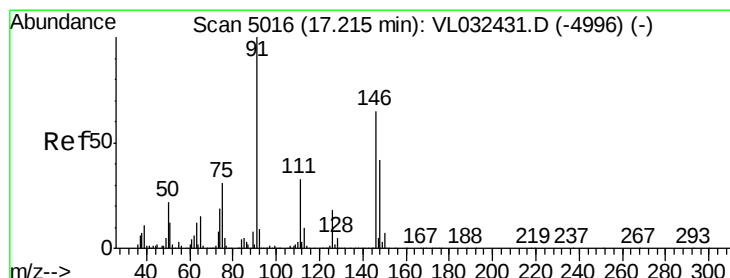
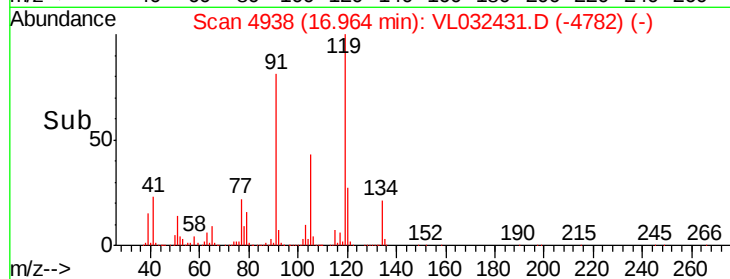
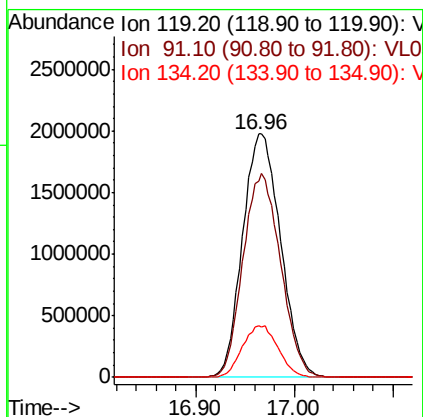
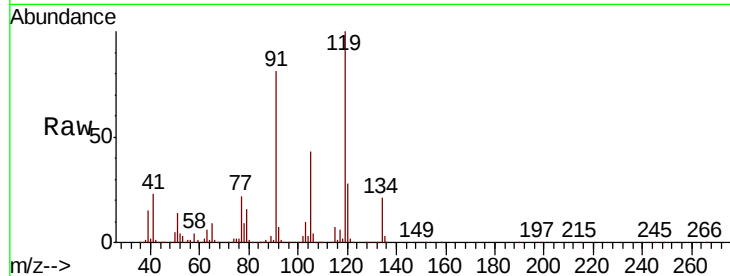




#65
 tert-Butylbenzene
 Concen: 8.362 ppbv
 RT: 16.96 min Scan# 4938
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

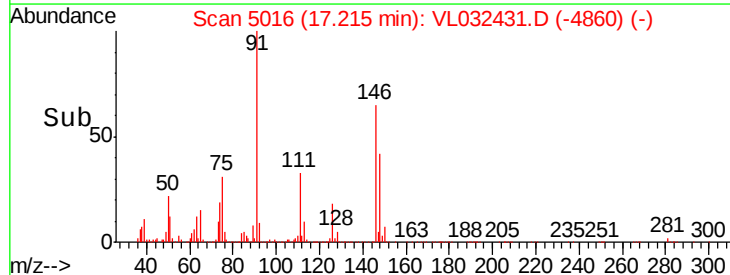
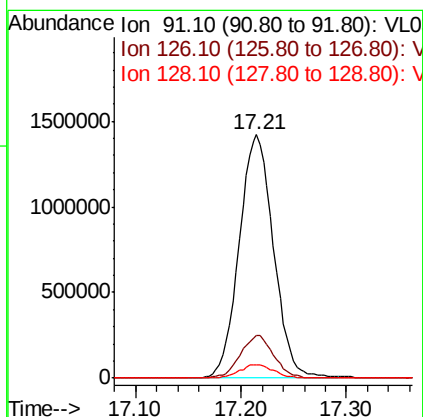
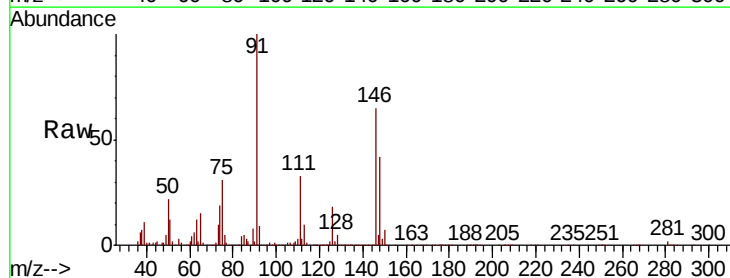
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

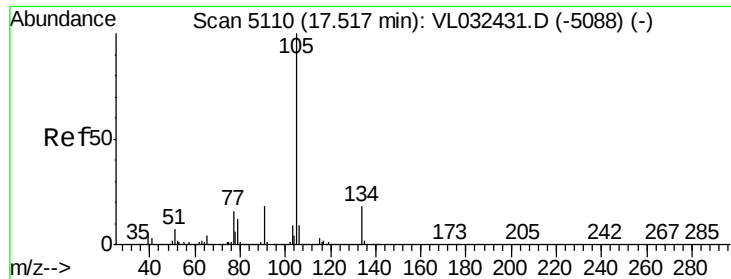
Tgt Ion: 119 Resp: 5245074
 Ion Ratio Lower Upper
 119 100
 91 83.1 66.5 99.7
 134 20.0 16.0 24.0



#66
 Benzyl Chloride
 Concen: 8.248 ppbv
 RT: 17.21 min Scan# 5016
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 3208377
 Ion Ratio Lower Upper
 91 100
 126 17.3 13.8 20.8
 128 5.5 4.4 6.6

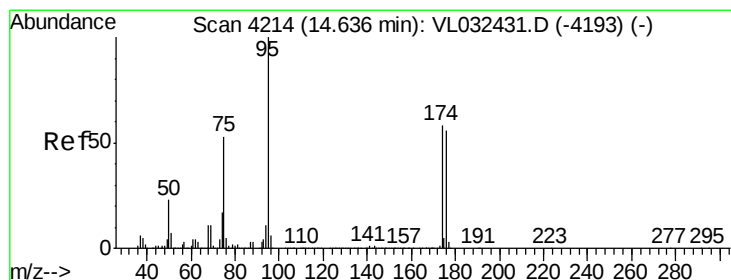
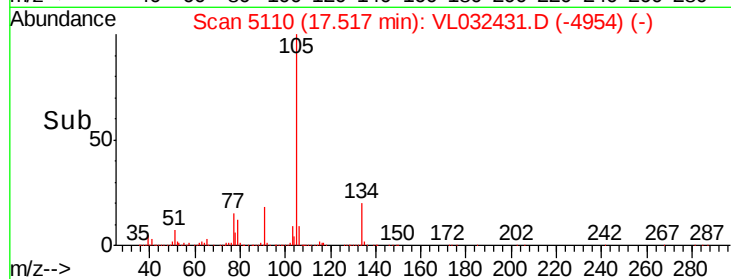
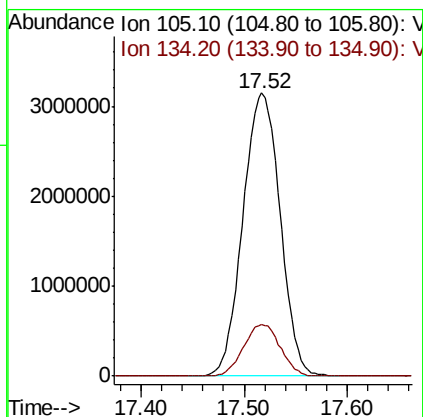
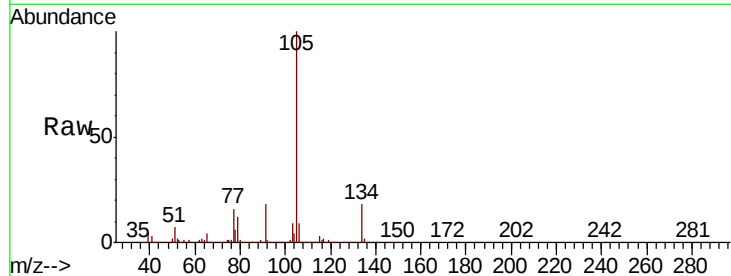




#67
 sec-Butylbenzene
 Concen: 8.451 ppbv
 RT: 17.52 min Scan# 5110
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

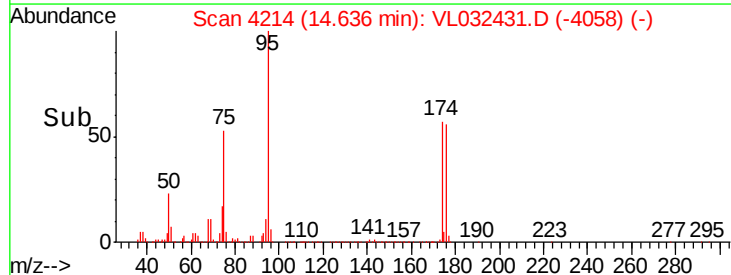
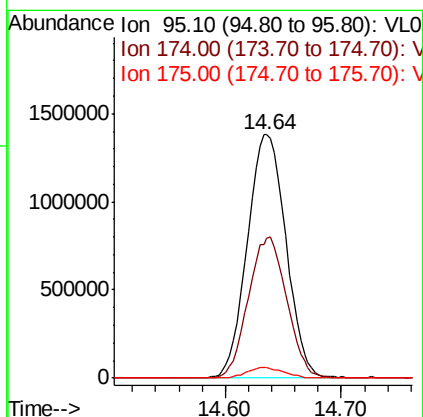
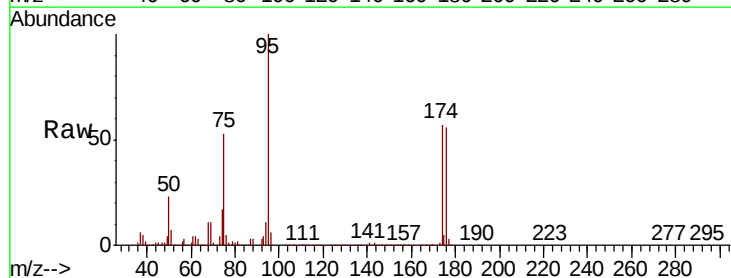
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

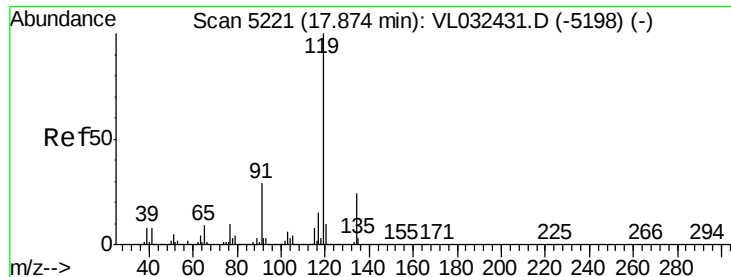
Tgt Ion: 105 Resp: 7883944
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.130 ppbv
 RT: 14.64 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 95 Resp: 3203474
 Ion Ratio Lower Upper
 95 100
 174 57.9 46.3 69.5
 175 4.2 3.4 5.0

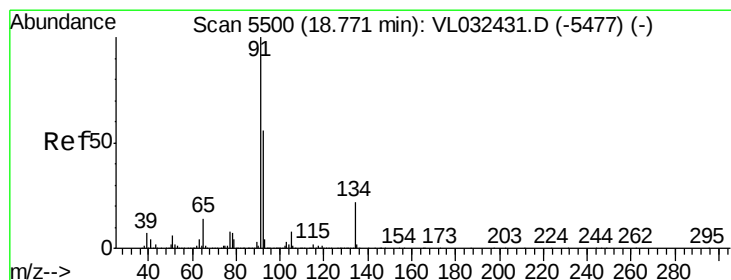
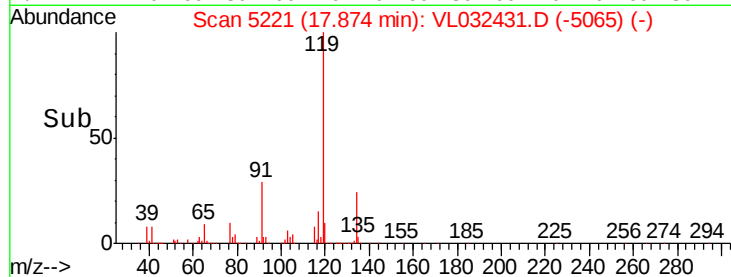
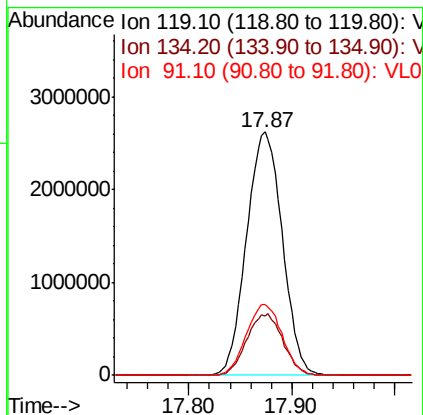
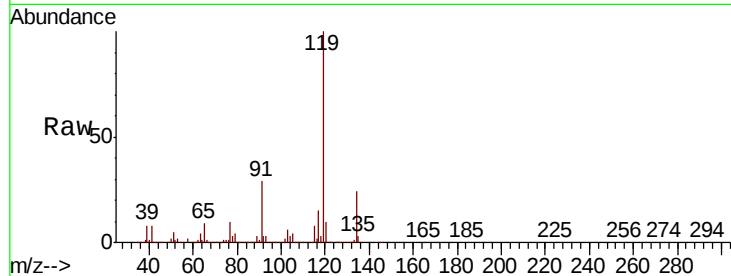




#69
 p-Isopropyltoluene
 Concen: 8.814 ppbv
 RT: 17.87 min Scan# 5221
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

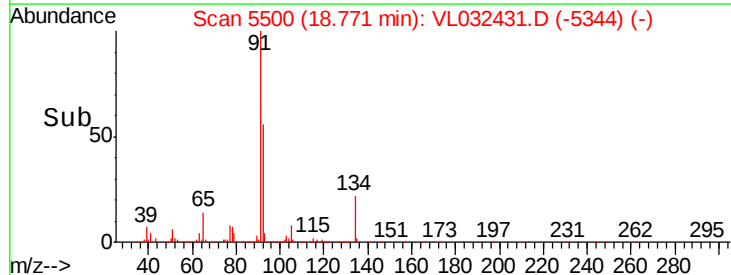
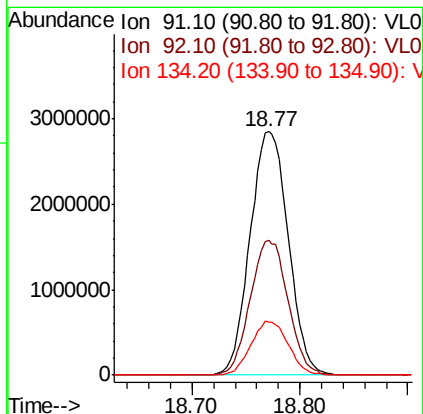
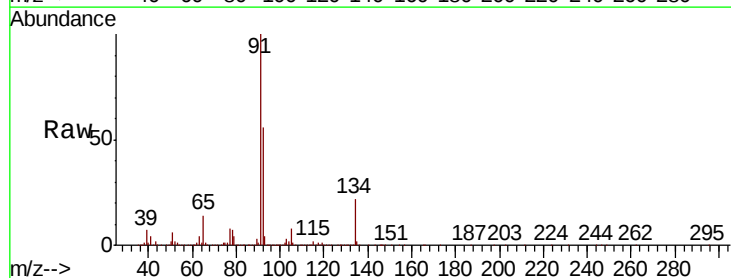
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

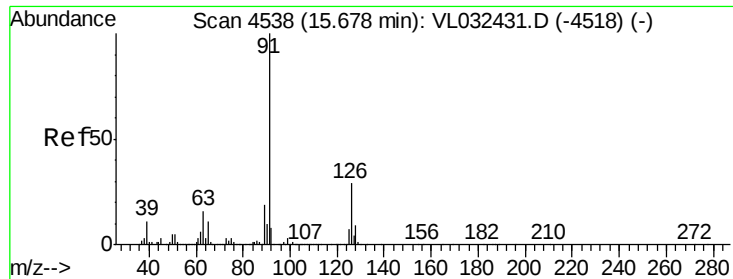
Tgt Ion: 119 Resp: 6303640
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.4 30.6
 91 29.3 23.4 35.0



#70
 n-Butylbenzene
 Concen: 8.818 ppbv
 RT: 18.77 min Scan# 5500
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 6994461
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.8 65.8
 134 21.7 17.4 26.0

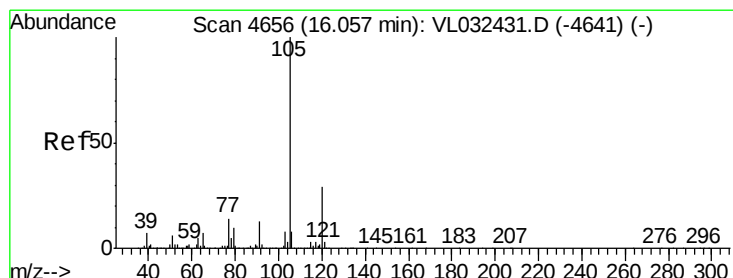
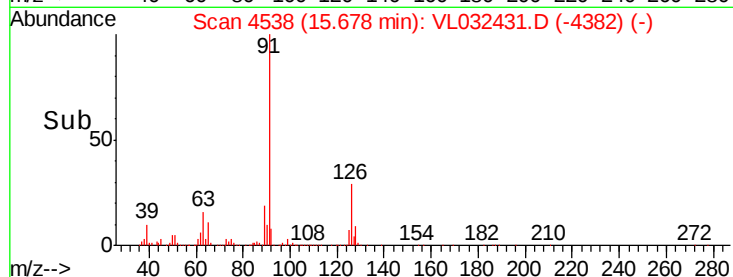
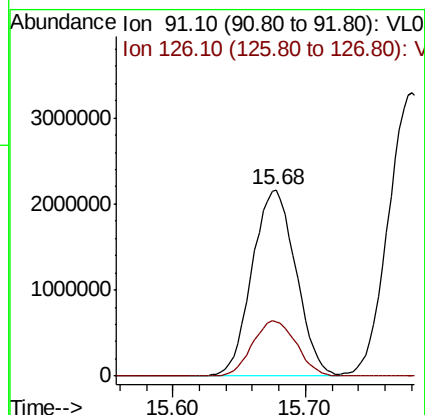
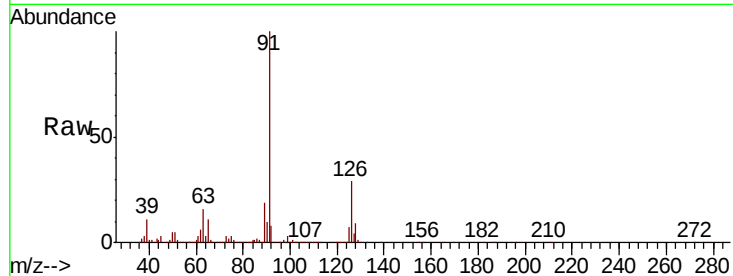




#71
 2-Chlorotoluene
 Concen: 8.926 ppbv
 RT: 15.68 min Scan# 4538
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

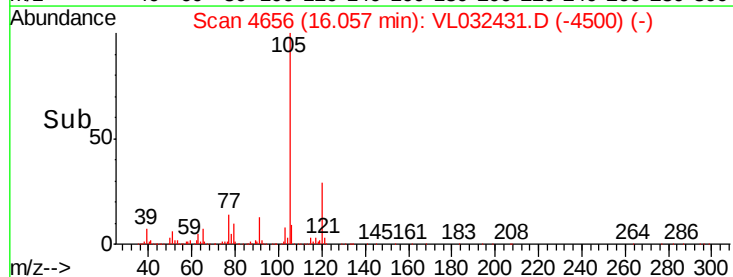
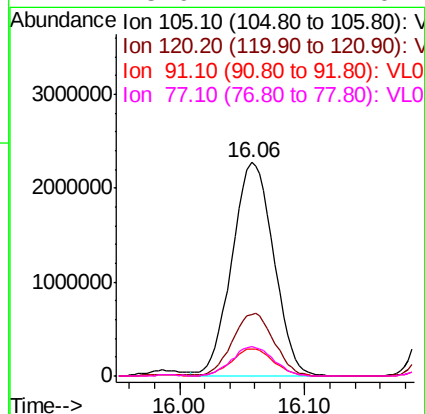
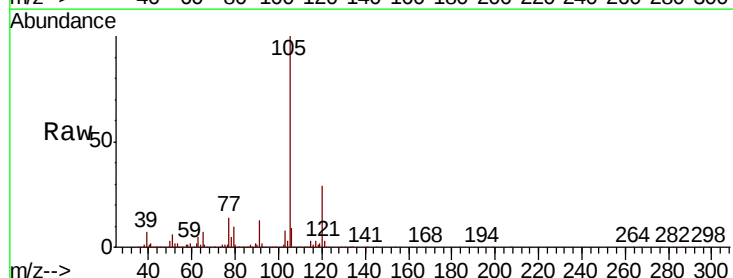
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

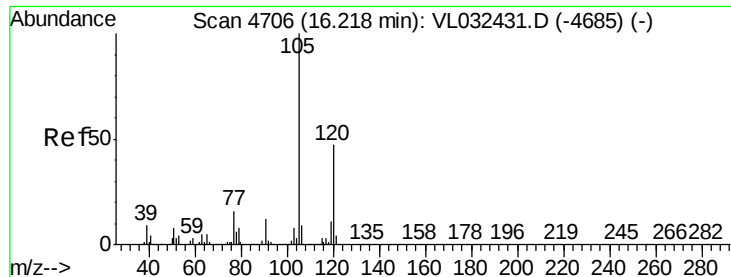
Tgt Ion: 91 Resp: 4982616
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 9.329 ppbv
 RT: 16.06 min Scan# 4656
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 105 Resp: 5243679
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.5 35.3
 91 12.7 10.2 15.2
 77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.254 ppbv

RT: 16.22 min Scan# 4706

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

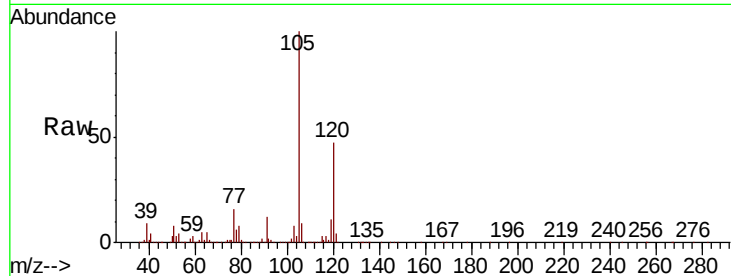
VSTDICCC010

Tgt Ion:105 Resp: 4969081

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

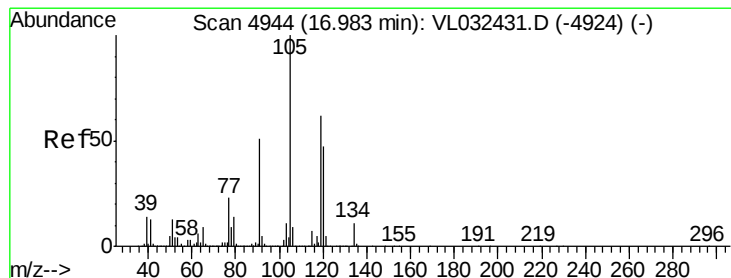
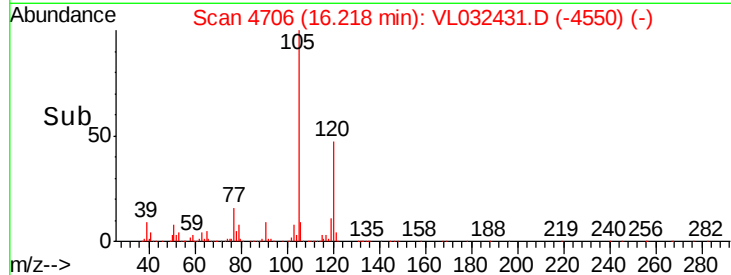
1000000

500000

0

16.10 16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.574 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion:105 Resp: 4969798

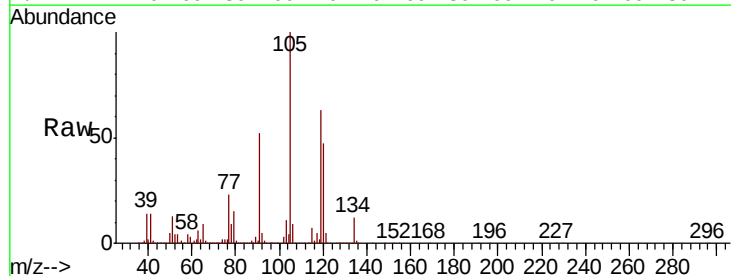
Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8

91 51.7 41.4 62.0

77 23.3 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

3000000

2500000

2000000

1500000

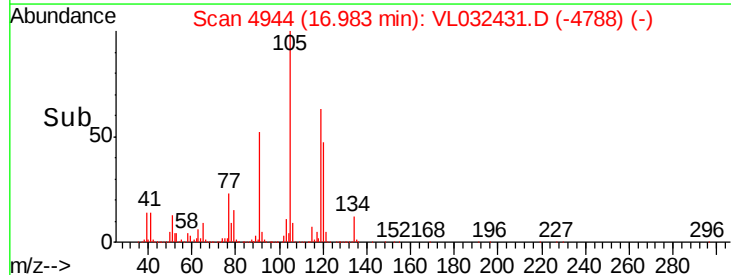
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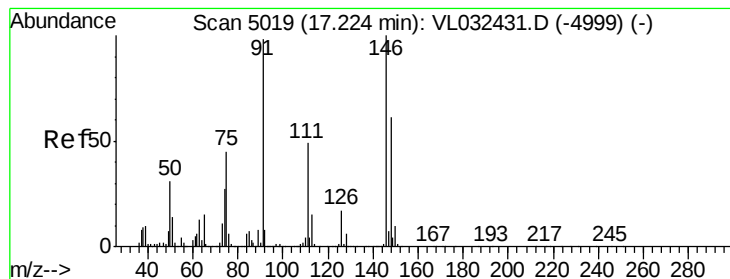
500000

0

16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.574 ppbv

RT: 17.22 min Scan# 5019

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

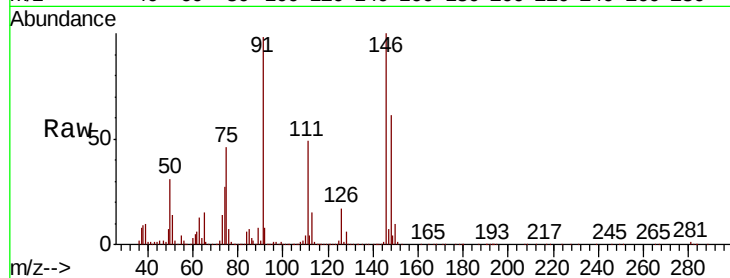
Tgt Ion:146 Resp: 2799574

Ion Ratio Lower Upper

146 100

111 49.0 24.6 73.6

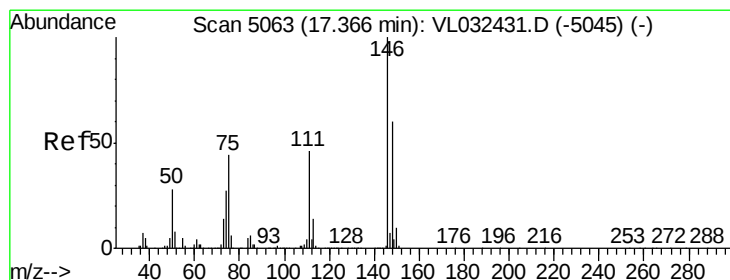
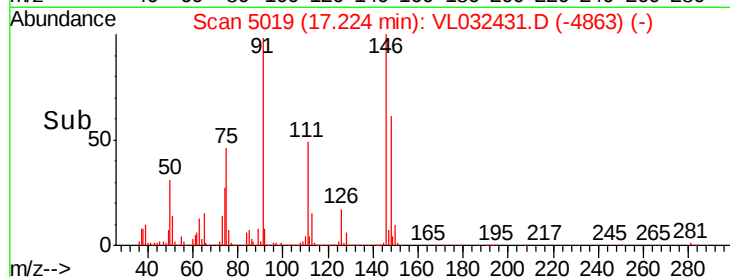
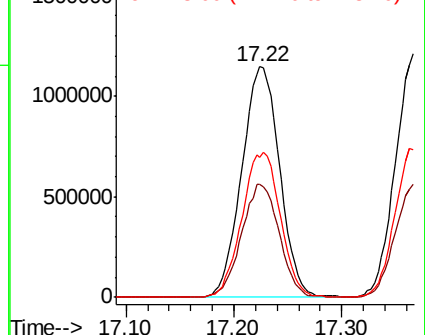
148 64.1 32.0 96.2



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: 8.217 ppbv

RT: 17.37 min Scan# 5063

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

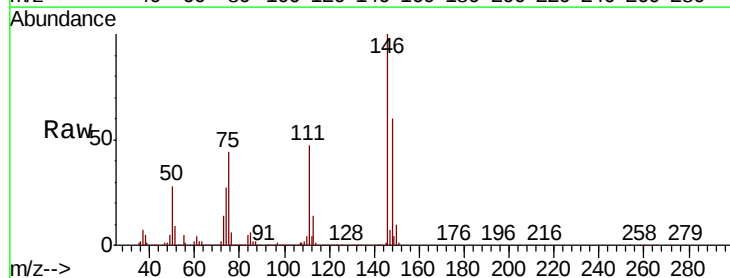
Tgt Ion:146 Resp: 2792509

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.3

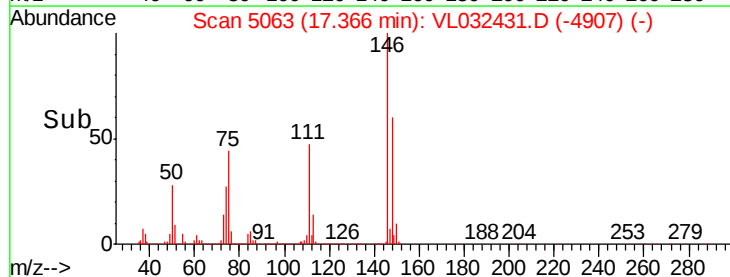
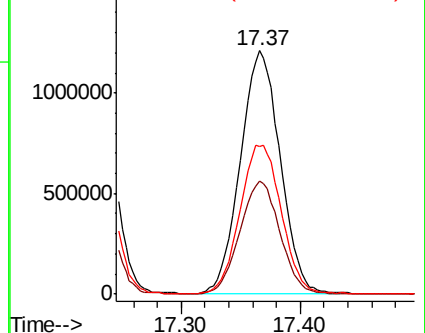
148 64.1 31.9 95.9

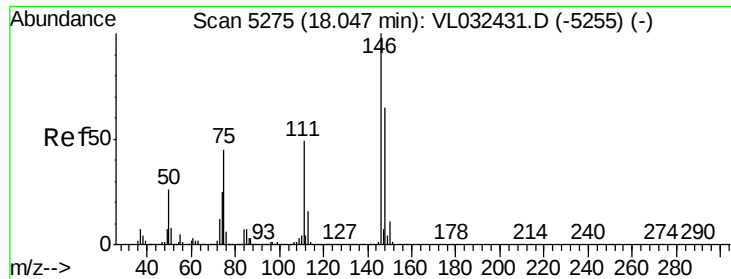


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

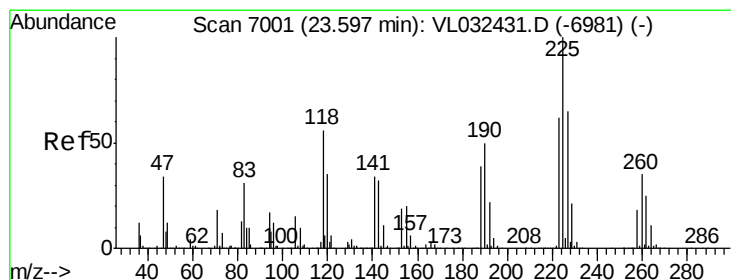
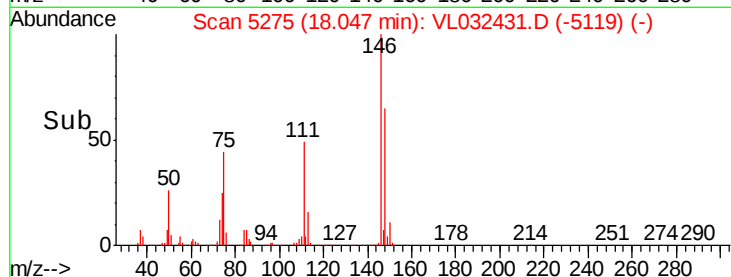
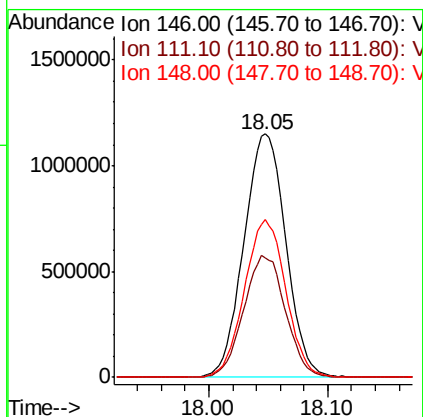
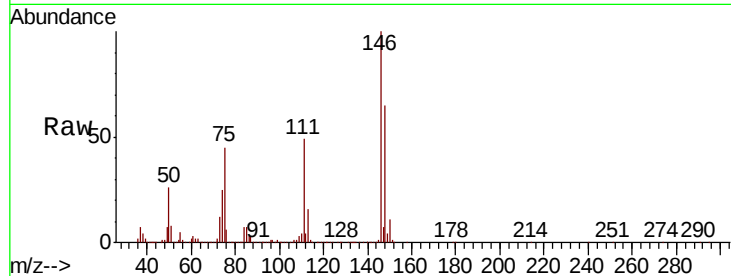




#77
 1,2-Dichlorobenzene
 Concen: 7.906 ppbv
 RT: 18.05 min Scan# 5275
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

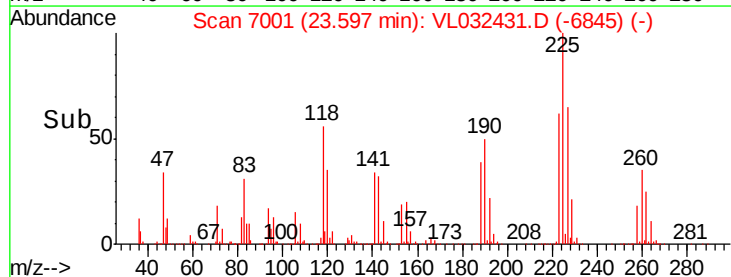
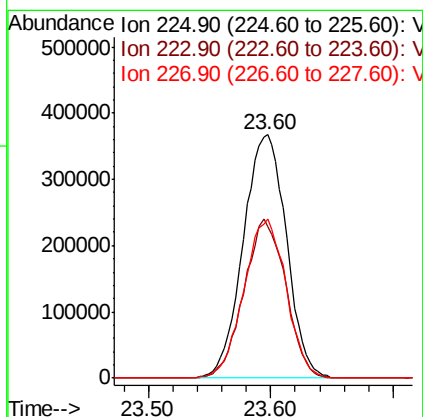
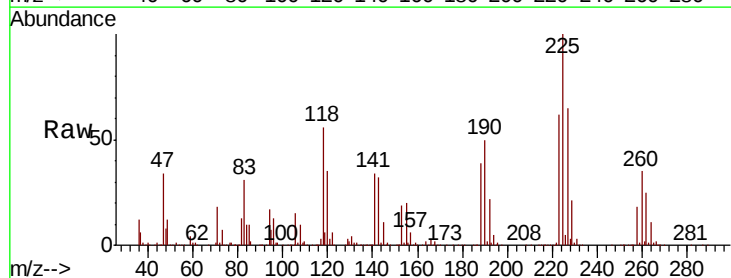
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

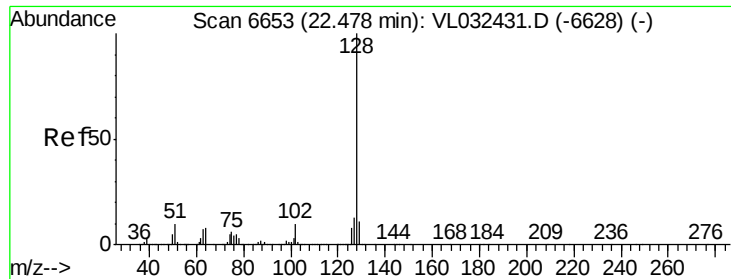
Tgt Ion:146 Resp: 2806811
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.9 74.7
 148 64.0 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.872 ppbv
 RT: 23.60 min Scan# 7001
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion:225 Resp: 899693
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.6 76.0
 227 64.0 51.2 76.8





#79

Naphthalene

Concen: 12.236 ppbv

RT: 22.48 min Scan# 6653

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

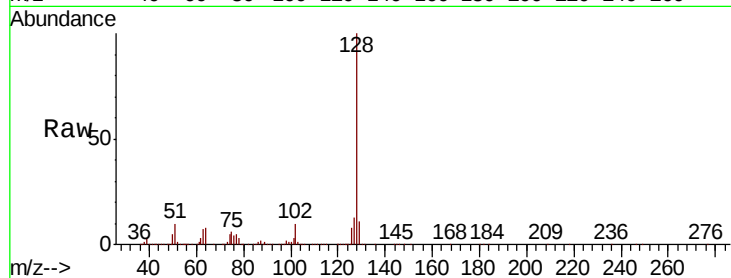
Tgt Ion:128 Resp: 4715899

Ion Ratio Lower Upper

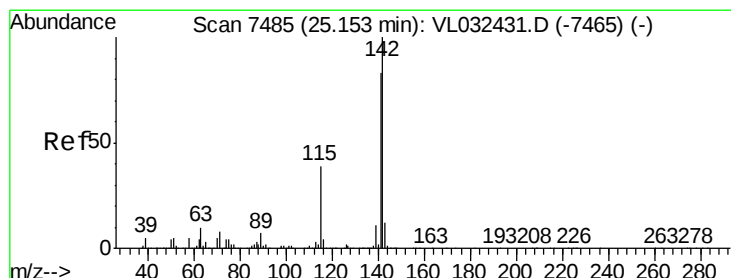
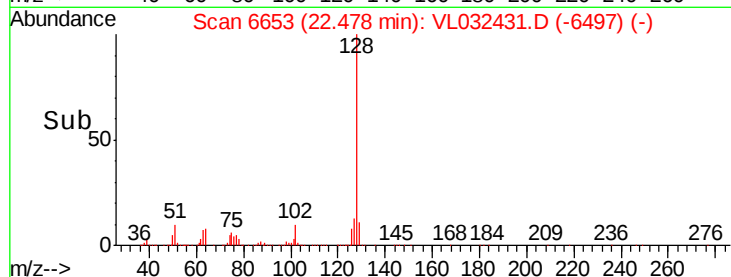
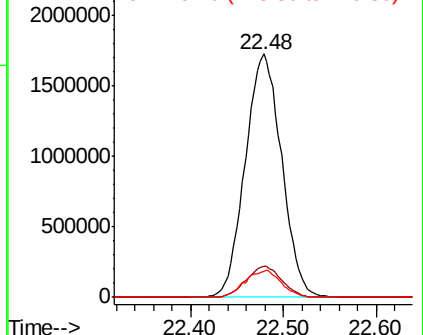
128 100

127 12.7 10.2 15.2

129 10.6 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: 16.660 ppbv

RT: 25.15 min Scan# 7485

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

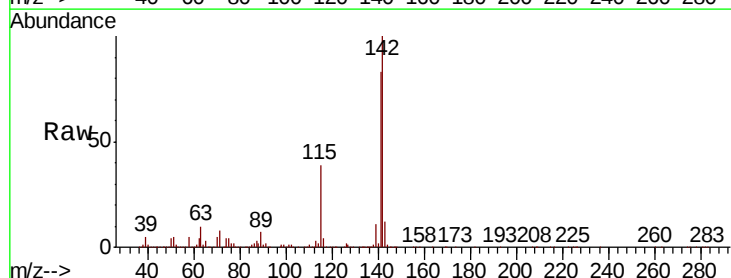
Tgt Ion:142 Resp: 1680660

Ion Ratio Lower Upper

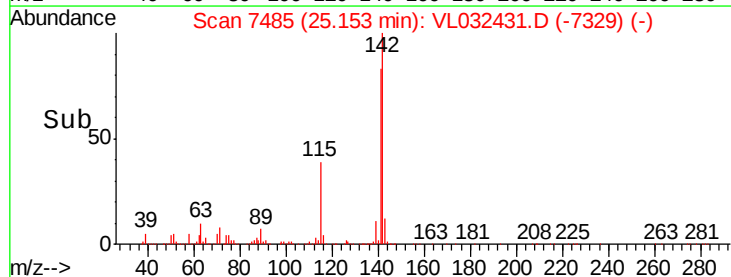
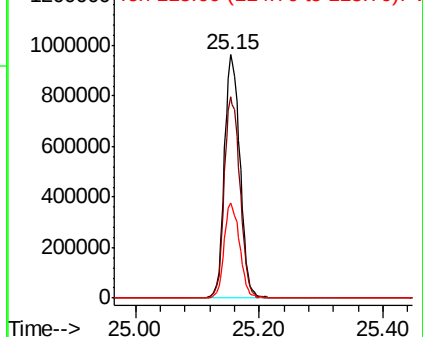
142 100

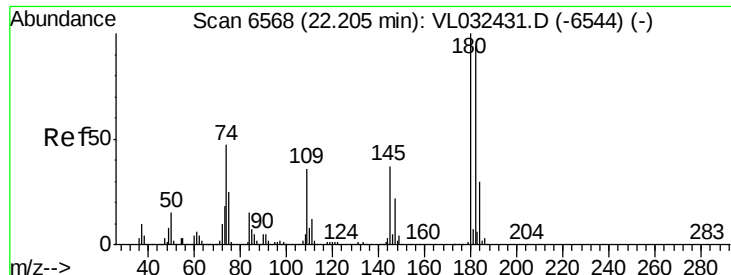
141 83.8 67.0 100.6

115 39.1 31.2 46.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.677 ppbv
 RT: 22.20 min Scan# 6568
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 2231832
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.2
 184 29.8 23.9 35.9

