

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031424.D
 Acq On : 22 Jan 2018 20:34
 Operator : SY/AP
 Sample : VL0122ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Quant Time: Jan 23 06:05:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1267903	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2919770	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3822648	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2495853	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	2223172	12.39	ppbv	97
3) Chlorodifluoromethane	3.11	51	1263009	7.53	ppbv	99
4) Chloromethane	3.27	50	666351	8.90	ppbv	99
5) Vinyl Chloride	3.40	62	684596	9.51	ppbv	99
6) Bromomethane	3.62	94	483241	9.15	ppbv	100
7) Chloroethane	3.71	64	278576	9.06	ppbv	100
8) Dichlorotetrafluoroethane	3.32	85	1802661	9.02	ppbv	100
9) Propene	3.13	41	543481	9.25	ppbv	100
10) Heptane	8.41	43	1667824	9.12	ppbv	99
11) Trichlorofluoromethane	4.13	101	2127698	8.79	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1374053	9.06	ppbv	100
13) Ethanol	3.76	45	140275	7.94	ppbv	99
14) Bromoethene	3.90	108	569255	9.39	ppbv	99
15) Acetone	4.02	43	1399301	8.29	ppbv	99
16) 1,3-Butadiene	3.47	39	611963	8.63	ppbv	97
17) tert-Butyl alcohol	4.48	59	564371	6.87	ppbv	99
18) 1,1-Dichloroethene	4.48	96	617548	9.45	ppbv	94
19) Isopropyl Alcohol	4.14	45	870382	8.26	ppbv #	99
20) Methylene Chloride	4.54	84	557078	8.50	ppbv	99
21) Allyl Chloride	4.60	41	989866	9.77	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	646115	9.42	ppbv	97
23) Vinyl Acetate	5.29	43	1863907	9.13	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1605808	9.02	ppbv	99
25) Ethyl Acetate	5.91	43	2671870	8.88	ppbv	100
26) Hexane	5.92	57	1193276	8.92	ppbv	100
27) Carbon Disulfide	4.75	76	1728982	9.83	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	1465172	9.23	ppbv	100
29) Chloroform	5.99	83	2016139	8.73	ppbv	100
30) Cyclohexane	7.40	84	971474	9.49	ppbv	99
31) cis-1,2-Dichloroethene	5.78	61	1187620	9.38	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	2090879	9.30	ppbv	99
34) 2-Butanone	5.47	43	1759866	9.52	ppbv	99
35) Carbon Tetrachloride	7.29	117	2255364	9.54	ppbv	97
36) Benzene	7.16	78	2373047	9.14	ppbv	98
37) 1,2-Dichloroethane	6.56	62	1808883	8.98	ppbv	99
38) Trichloroethene	8.13	130	1017480	10.08	ppbv	98
39) 1,2-Dichloropropane	7.90	63	903716	9.27	ppbv	97
40) 1,4-Dioxane	8.12	88	359507	9.03	ppbv #	1
41) Tetrahydrofuran	6.30	42	915232	8.97	ppbv	99
42) Bromodichloromethane	8.08	83	2264677	9.37	ppbv	97
43) Methyl Methacrylate	8.30	69	959283	10.11	ppbv	99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
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 Acq On : 22 Jan 2018 20:34
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 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Quant Time: Jan 23 06:05:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

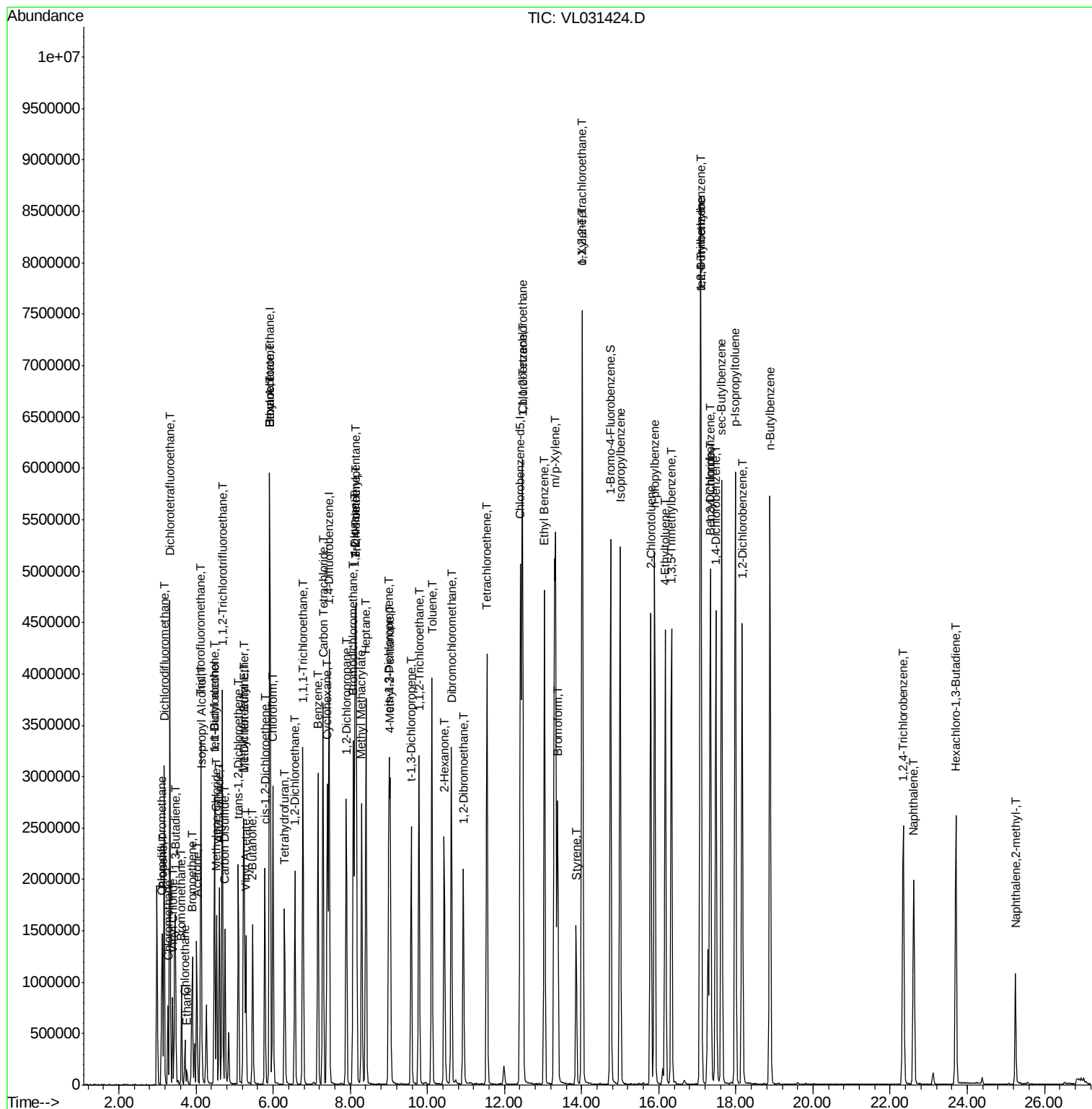
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4113871	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	1454076	10.69	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	1670932	10.01	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	1070598	9.34	ppbv	97
48) Dibromochloromethane	10.62	129	1964437	9.63	ppbv	100
49) Bromoform	13.38	173	1551063	9.99	ppbv	99
50) 4-Methyl-2-Pentanone	9.03	43	2304265	9.27	ppbv	99
51) 2-Hexanone	10.44	43	2288308	9.65	ppbv #	99
52) Tetrachloroethene	11.54	164	962449	9.87	ppbv	97
53) Toluene	10.12	91	3036307	9.91	ppbv	99
54) 1,2-Dibromoethane	10.93	107	1709858	9.59	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.45	131	1348716	7.43	ppbv	99
57) Chlorobenzene	12.48	112	2416666	7.31	ppbv	100
58) Ethyl Benzene	13.03	91	4345672	7.76	ppbv	100
59) m/p-Xylene	13.32	91	3831412	7.99	ppbv #	42
60) o-Xylene	14.03	91	3676512	7.67	ppbv	99
61) Styrene	13.85	104	867642	8.33	ppbv	99
62) Isopropylbenzene	15.00	105	4520759	7.52	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2409916	7.30	ppbv	100
64) n-propylbenzene	15.89	120	1132343	7.59	ppbv	98
65) tert-Butylbenzene	17.08	119	3986185	7.51	ppbv	100
66) Benzyl Chloride	17.32	91	552851	10.43	ppbv	98
67) sec-Butylbenzene	17.63	105	5642466	7.61	ppbv	100
69) p-Isopropyltoluene	17.99	119	4643010	7.79	ppbv	99
70) n-Butylbenzene	18.88	91	4805801	7.76	ppbv	100
71) 2-Chlorotoluene	15.79	91	3473069	7.65	ppbv	100
72) 4-Ethyltoluene	16.17	105	3782729	7.80	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	3364049	7.63	ppbv	99
74) 1,2,4-Trimethylbenzene	17.10	105	3626961	7.43	ppbv #	91
75) 1,3-Dichlorobenzene	17.34	146	2262924	7.46	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2269804	7.64	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2200217	7.49	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	604855	5.85	ppbv	99
79) Naphthalene	22.61	128	2408655	8.01	ppbv	99
80) Naphthalene,2-methyl-	25.25	142	536931	6.40	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	1109336	6.90	ppbv	99

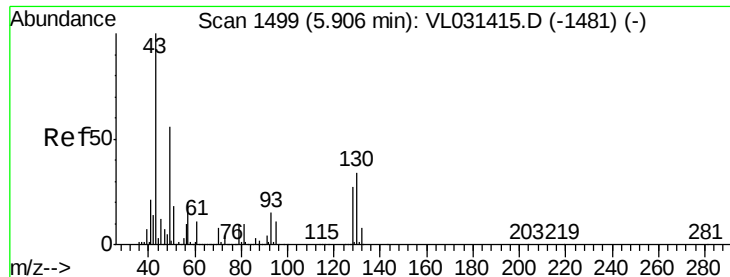
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031424.D
Acq On : 22 Jan 2018 20:34
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Sample : VL0122ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Quant Time: Jan 23 06:05:13 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

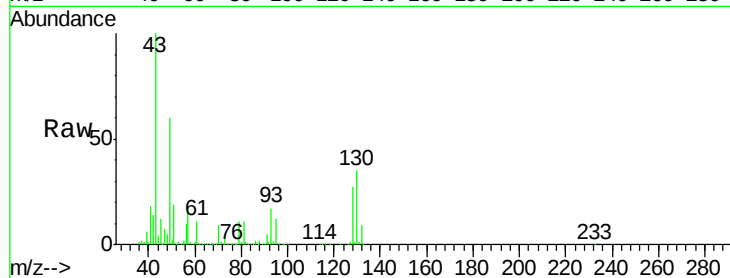
Tgt Ion: 49 Resp: 1267903

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

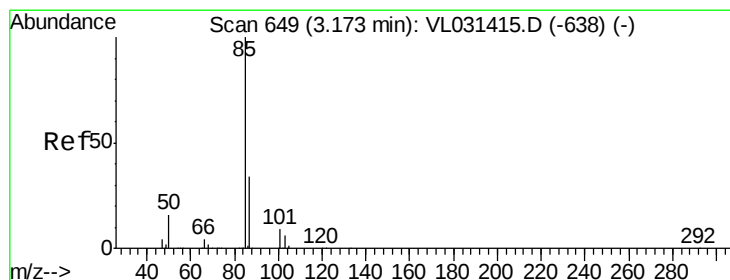
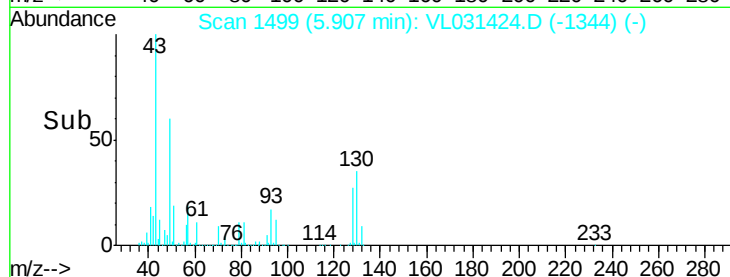
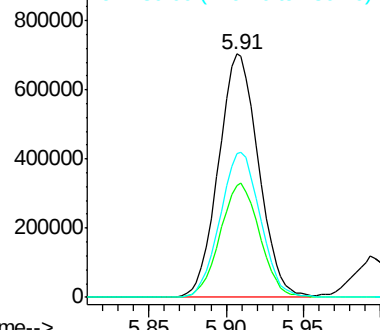
130 60.2 29.9 89.7



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: 12.39 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031424.D

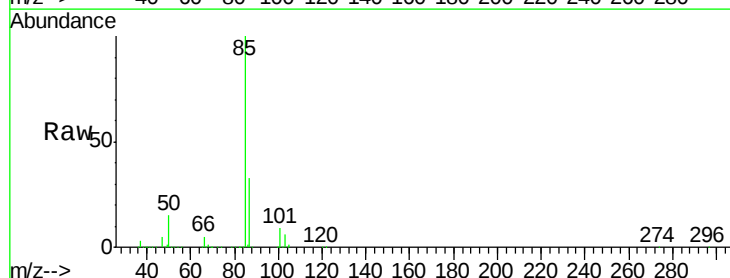
Acq: 22 Jan 2018 20:34

Tgt Ion: 85 Resp: 2223172

Ion Ratio Lower Upper

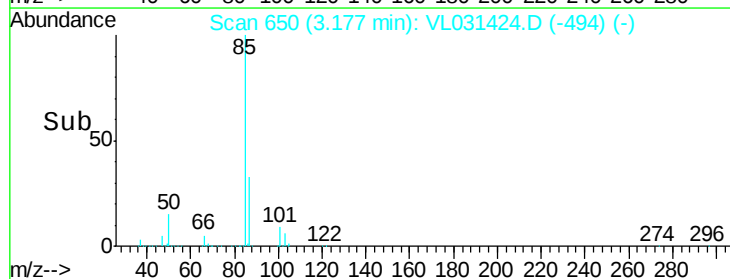
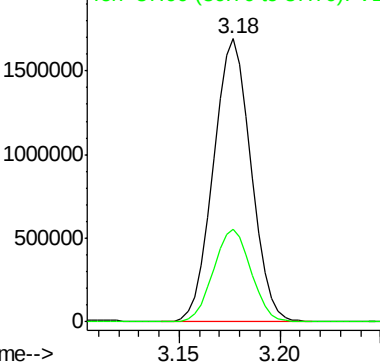
85 100

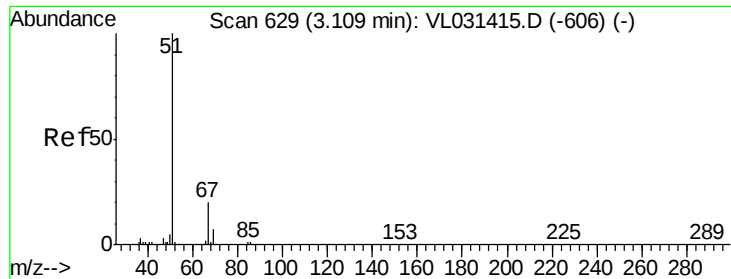
87 32.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.53 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

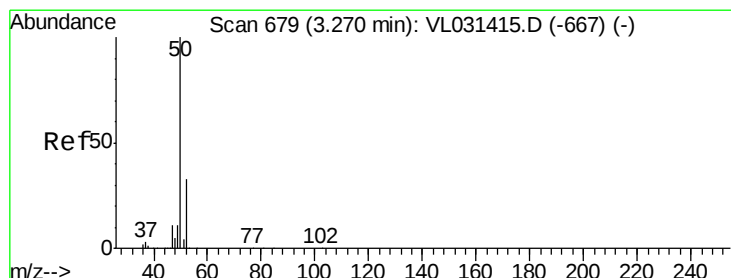
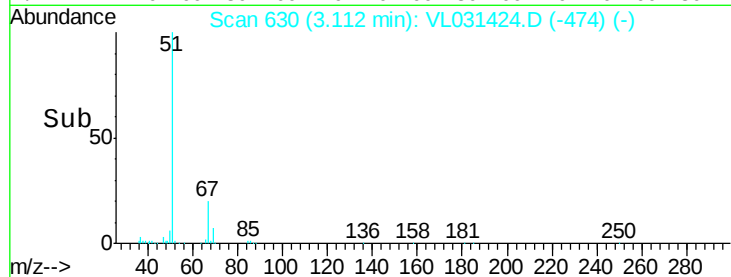
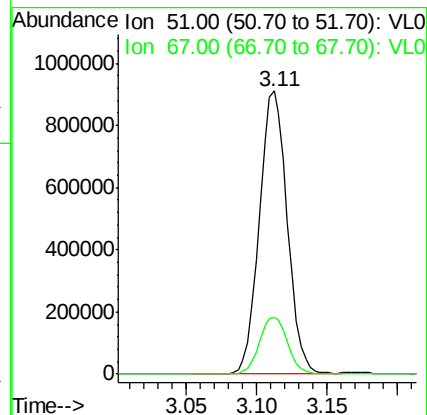
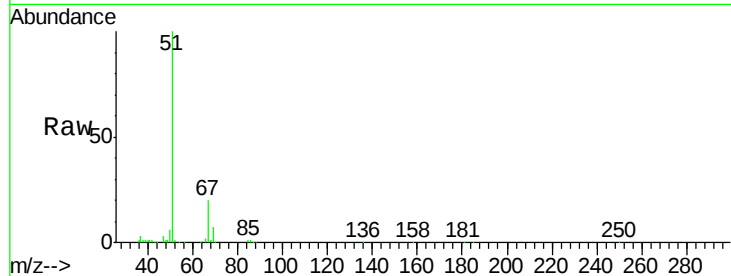
VL0122ABS01

Tgt Ion: 51 Resp: 1263009

Ion Ratio Lower Upper

51 100

67 20.3 16.0 24.0



#4

Chloromethane

Concen: 8.90 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031424.D

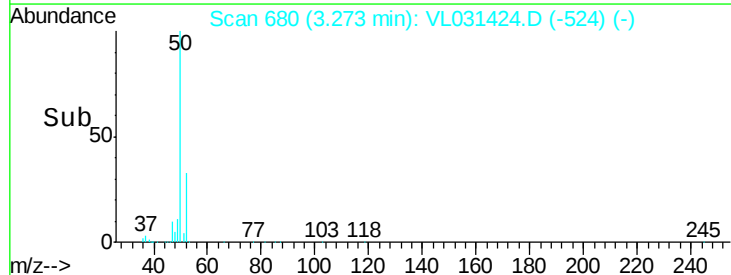
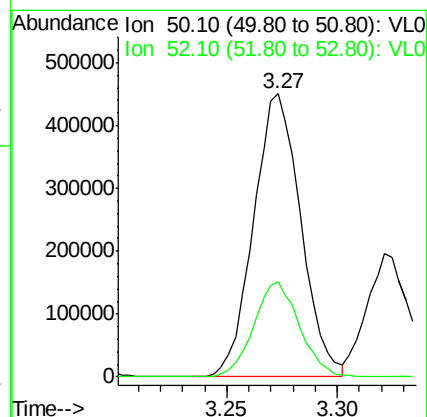
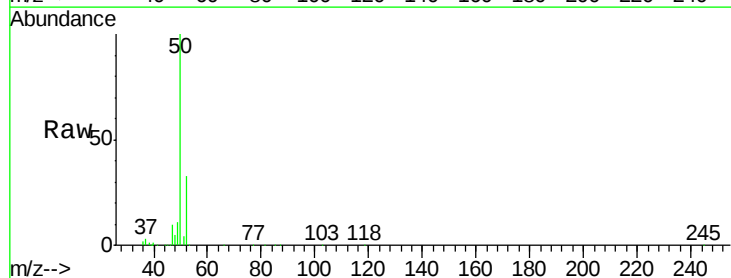
Acq: 22 Jan 2018 20:34

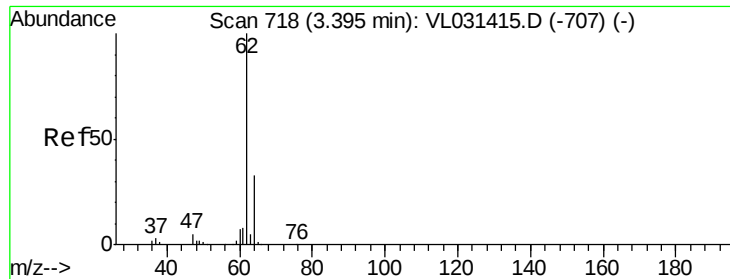
Tgt Ion: 50 Resp: 666351

Ion Ratio Lower Upper

50 100

52 33.5 26.4 39.6





#5

Vinyl Chloride

Concen: 9.51 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

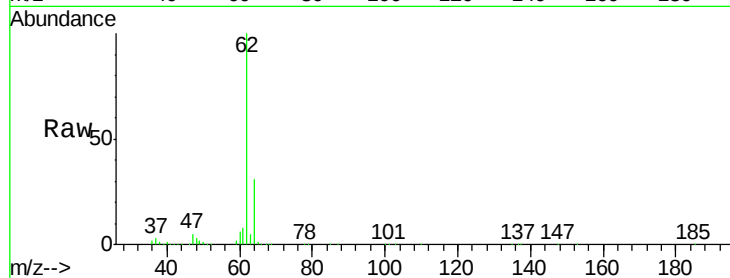
VL0122ABS01

Tgt Ion: 62 Resp: 684596

Ion Ratio Lower Upper

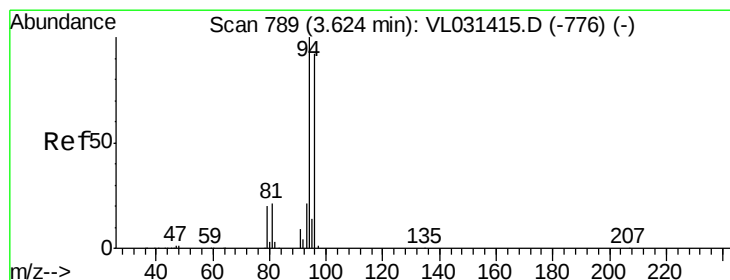
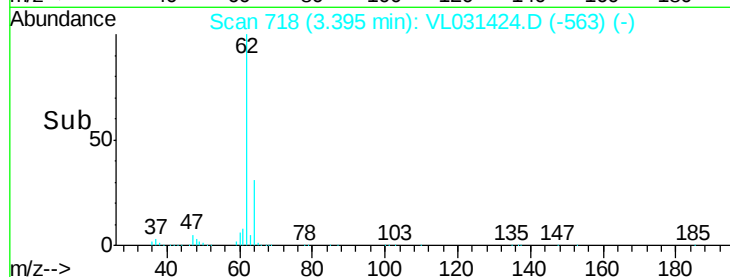
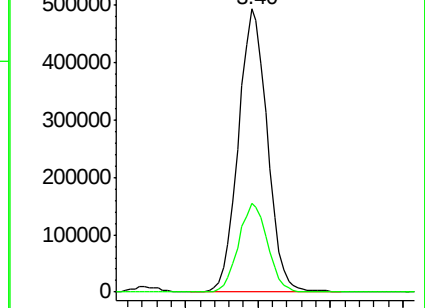
62 100

64 31.4 25.4 38.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.15 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031424.D

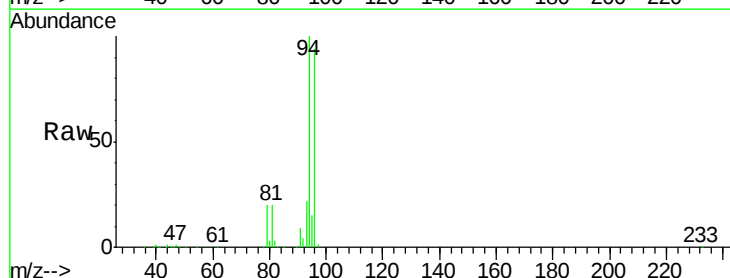
Acq: 22 Jan 2018 20:34

Tgt Ion: 94 Resp: 483241

Ion Ratio Lower Upper

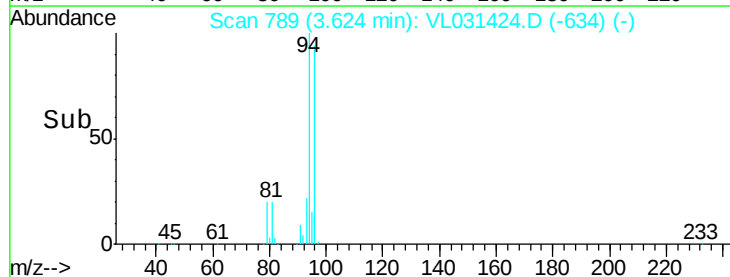
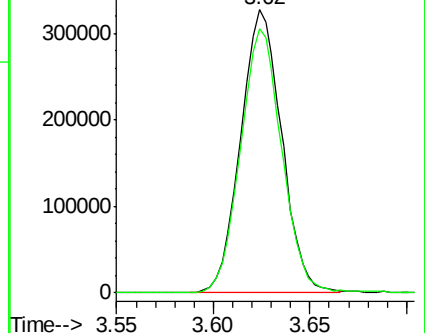
94 100

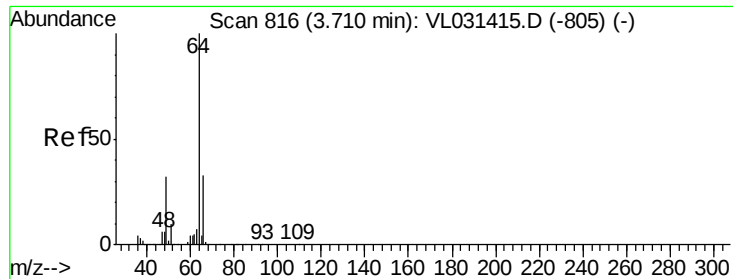
96 93.5 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.06 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

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ClientSampleId :

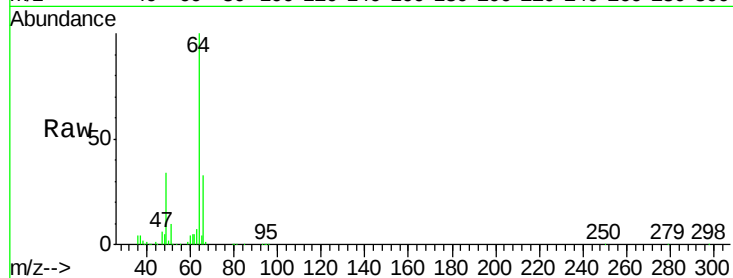
VL0122ABS01

Tgt Ion: 64 Resp: 278576

Ion Ratio Lower Upper

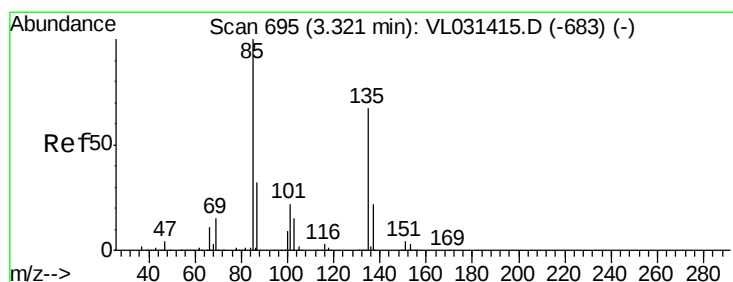
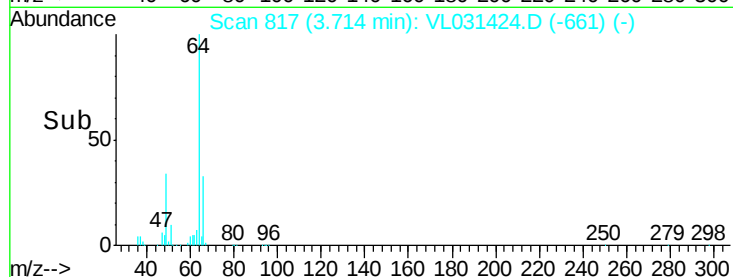
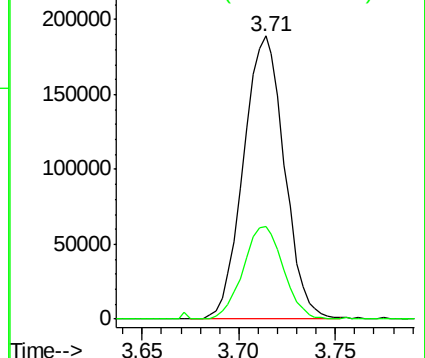
64 100

66 32.7 26.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.02 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031424.D

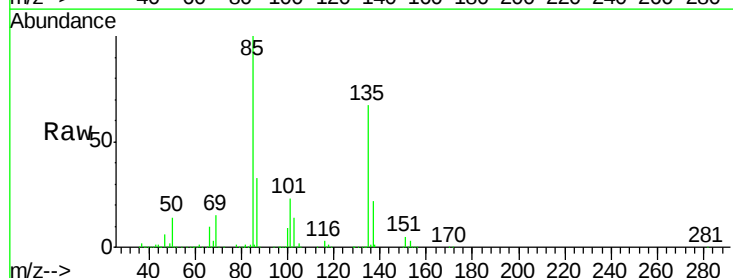
Acq: 22 Jan 2018 20:34

Tgt Ion: 85 Resp: 1802661

Ion Ratio Lower Upper

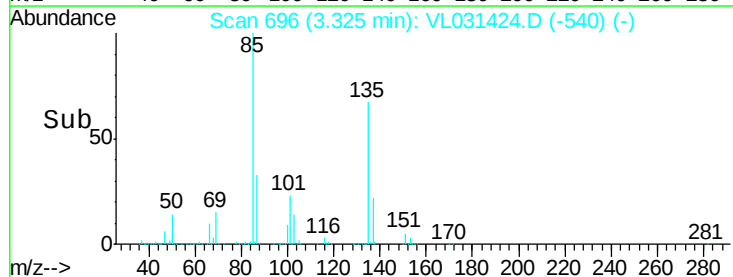
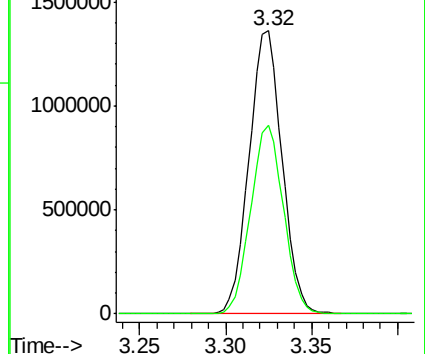
85 100

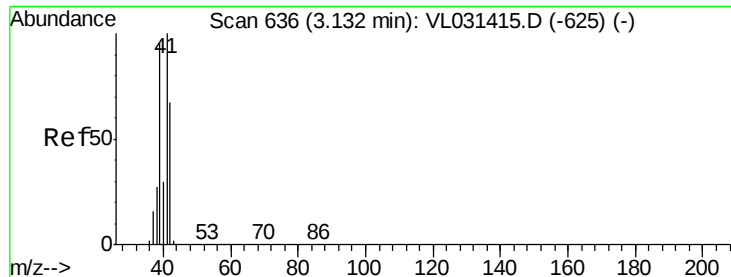
135 66.7 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.25 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

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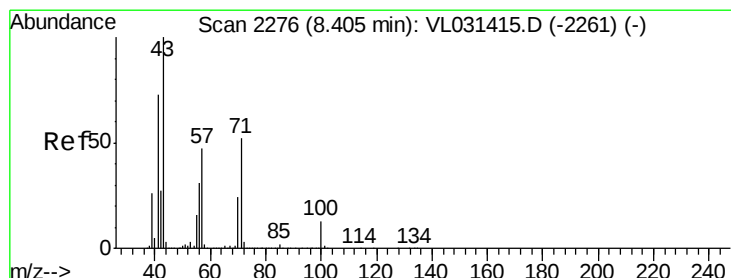
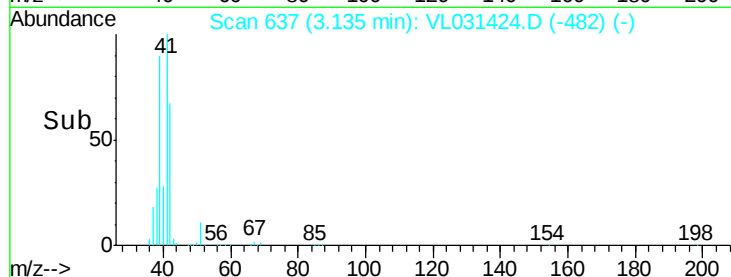
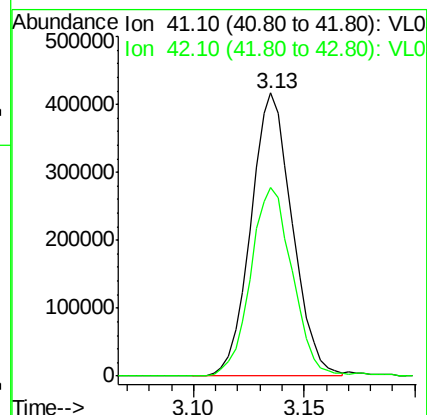
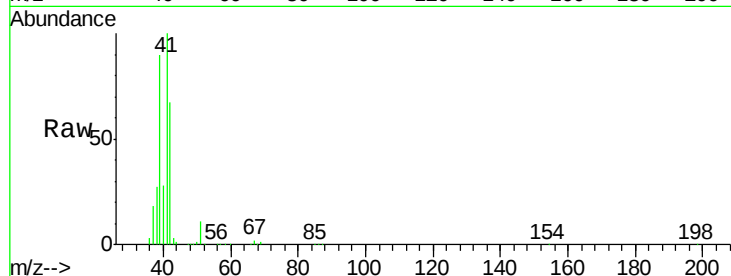
VL0122ABS01

Tgt Ion: 41 Resp: 543481

Ion Ratio Lower Upper

41 100

42 68.0 54.6 82.0



#10

Heptane

Concen: 9.12 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031424.D

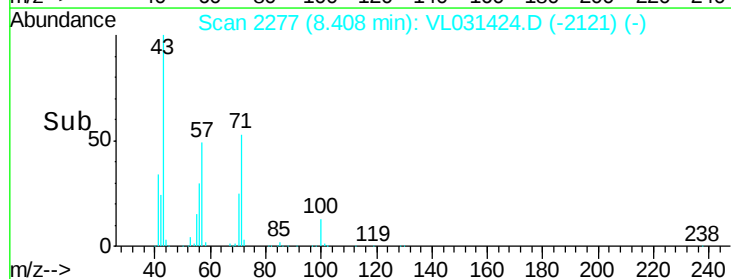
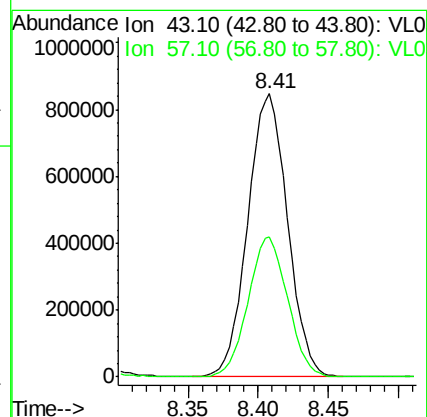
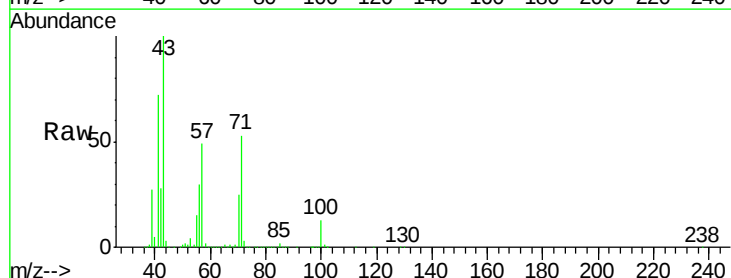
Acq: 22 Jan 2018 20:34

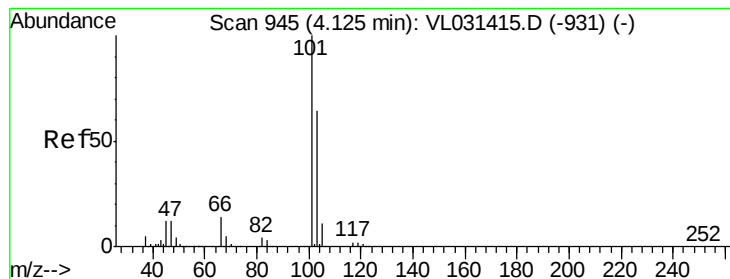
Tgt Ion: 43 Resp: 1667824

Ion Ratio Lower Upper

43 100

57 49.1 39.7 59.5





#11

Trichlorofluoromethane

Concen: 8.79 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

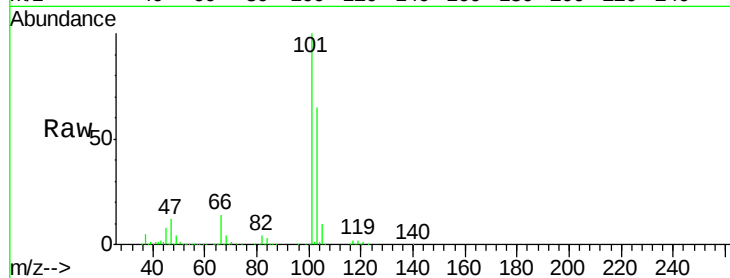
VL0122ABS01

Tgt Ion:101 Resp: 2127698

Ion Ratio Lower Upper

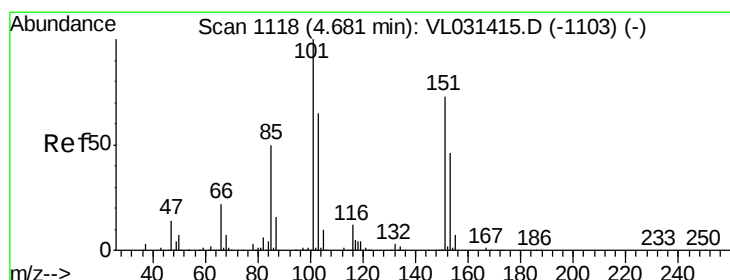
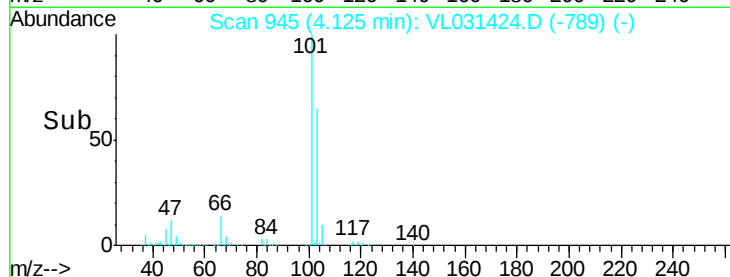
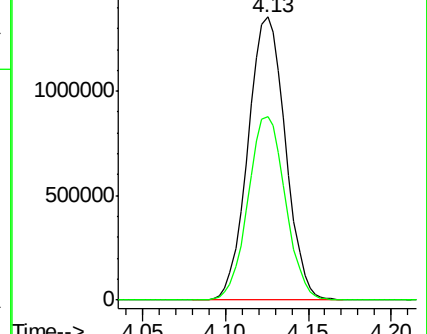
101 100

103 64.8 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.06 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL031424.D

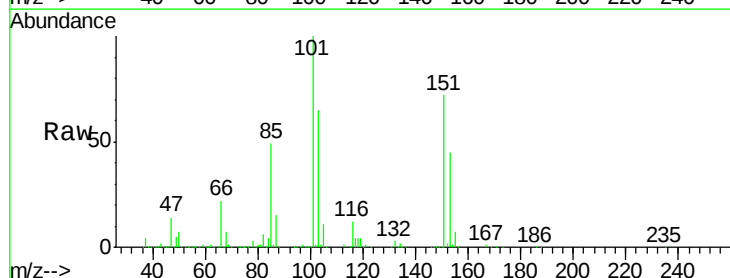
Acq: 22 Jan 2018 20:34

Tgt Ion:101 Resp: 1374053

Ion Ratio Lower Upper

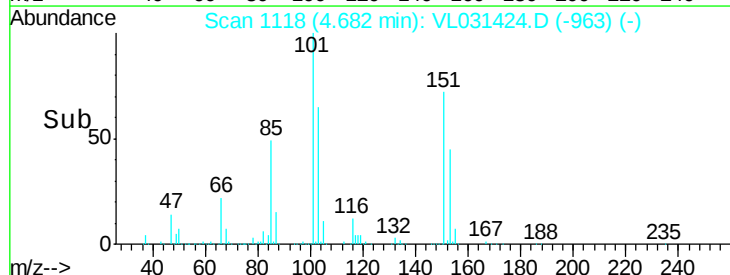
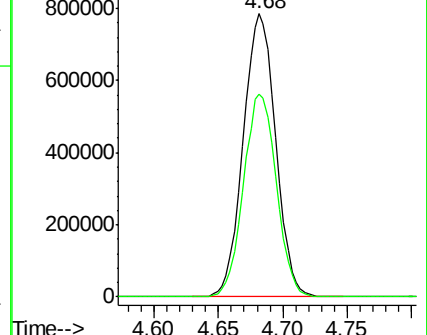
101 100

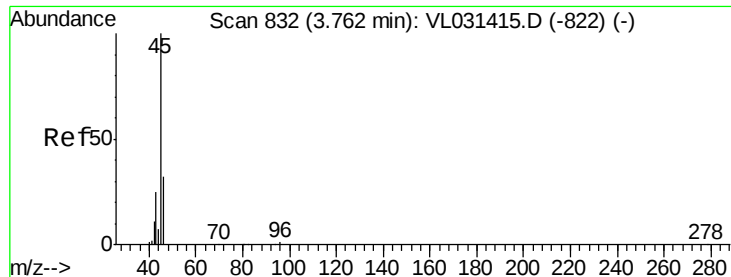
151 72.9 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.94 ppbv

RT: 3.76 min Scan# 831

Delta R.T. -0.01 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

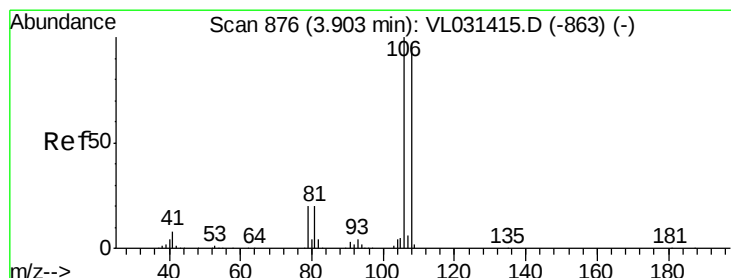
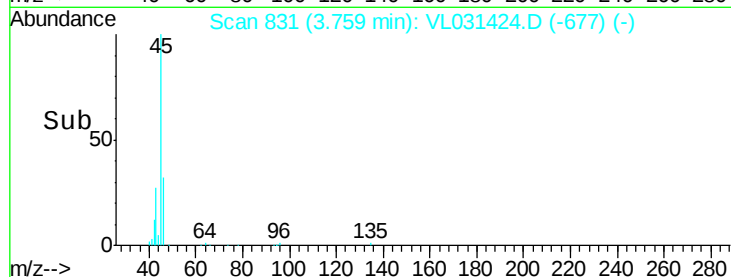
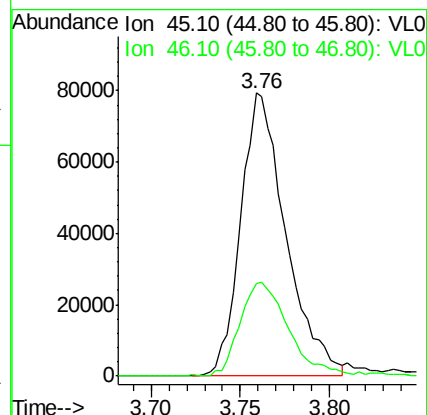
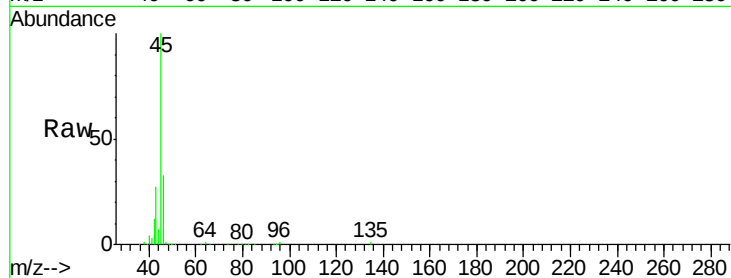
VL0122ABS01

Tgt Ion: 45 Resp: 140275

Ion Ratio Lower Upper

45 100

46 36.8 14.9 59.5



#14

Bromoethene

Concen: 9.39 ppbv

RT: 3.90 min Scan# 876

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

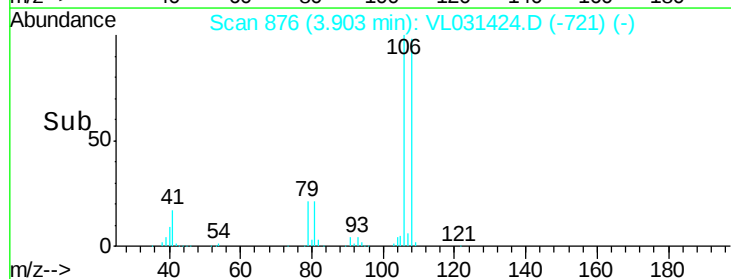
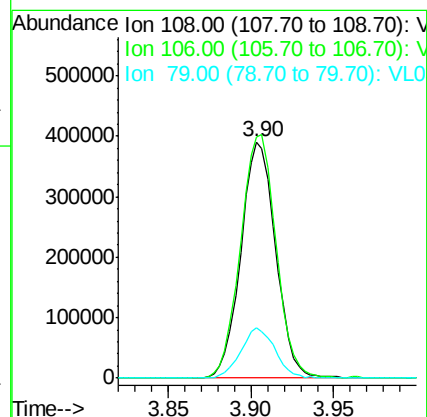
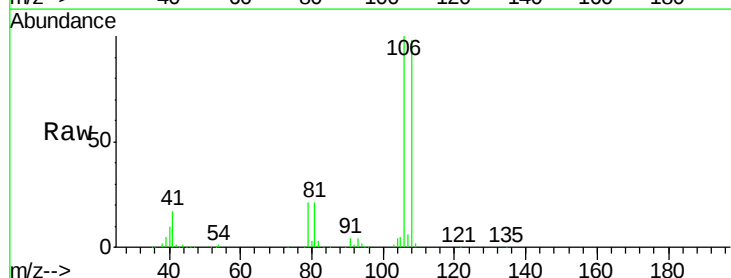
Tgt Ion: 108 Resp: 569255

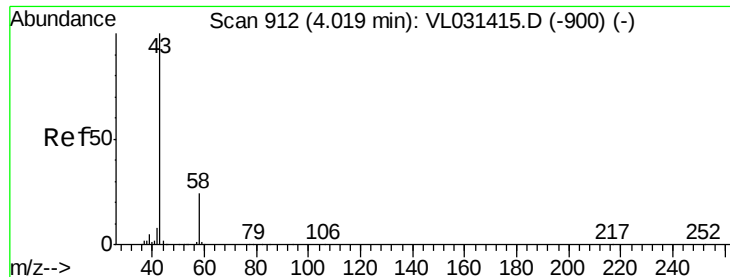
Ion Ratio Lower Upper

108 100

106 105.9 85.3 127.9

79 21.1 16.8 25.2





#15

Acetone

Concen: 8.29 ppbv

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

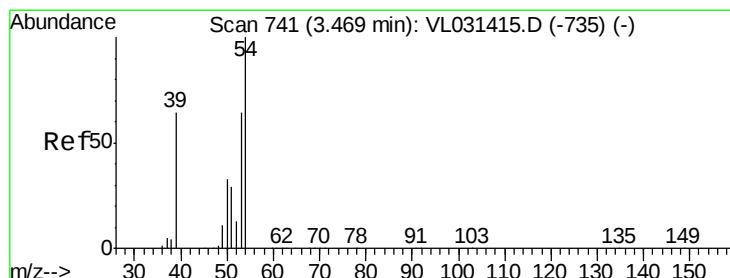
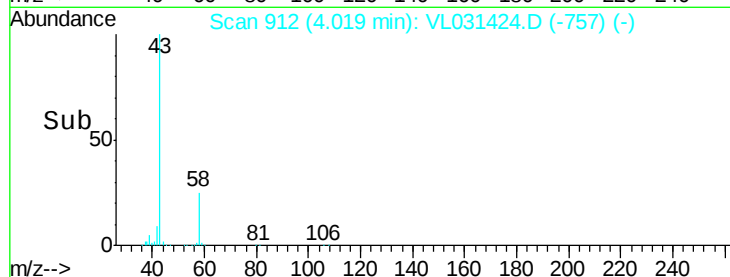
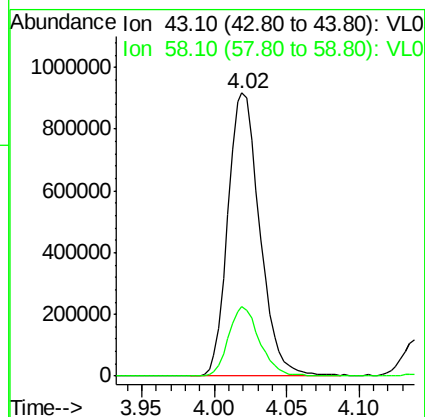
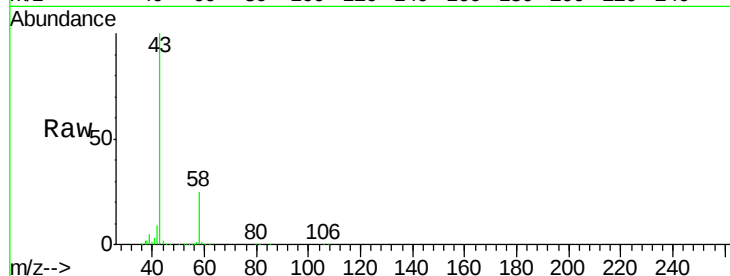
VL0122ABS01

Tgt Ion: 43 Resp: 1399301

Ion Ratio Lower Upper

43 100

58 23.9 19.4 29.2



#16

1,3-Butadiene

Concen: 8.63 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031424.D

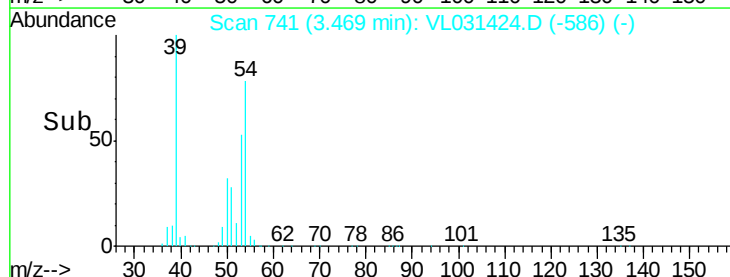
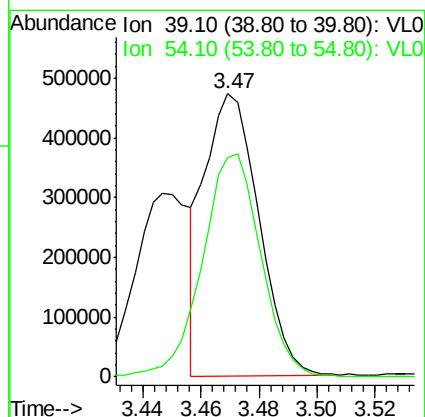
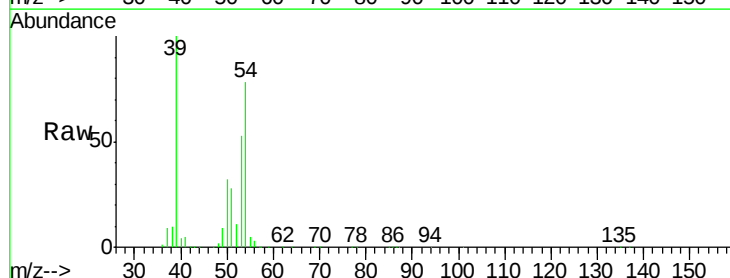
Acq: 22 Jan 2018 20:34

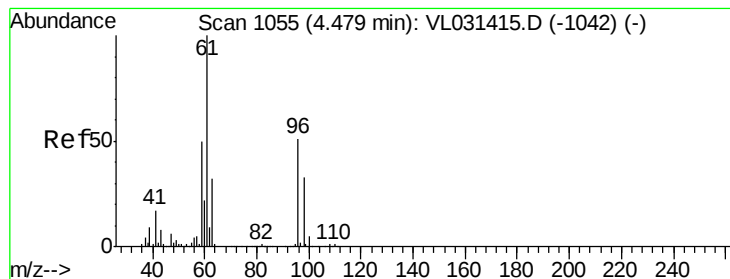
Tgt Ion: 39 Resp: 611963

Ion Ratio Lower Upper

39 100

54 86.1 67.0 100.6





#17

tert-Butyl alcohol

Concen: 6.87 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

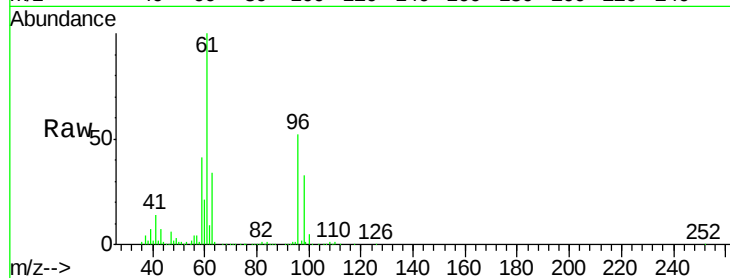
VL0122ABS01

Tgt Ion: 59 Resp: 564371

Ion Ratio Lower Upper

59 100

57 10.5 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.48

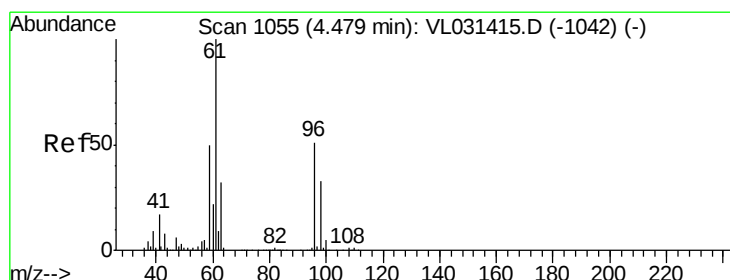
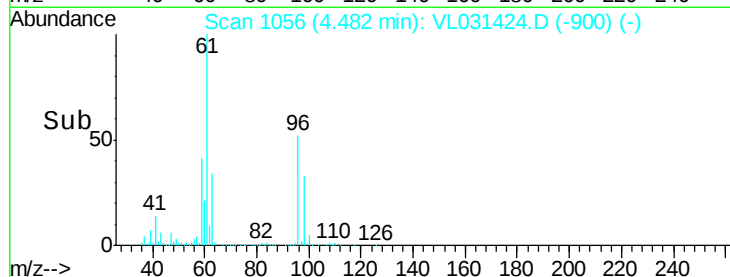
300000

200000

100000

0

Time--> 4.40 4.45 4.50 4.55



#18

1,1-Dichloroethene

Concen: 9.45 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

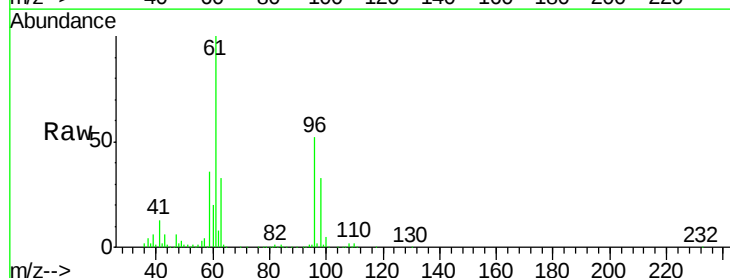
Tgt Ion: 96 Resp: 617548

Ion Ratio Lower Upper

96 100

61 191.4 161.6 242.4

98 63.6 49.6 74.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.48

1000000

800000

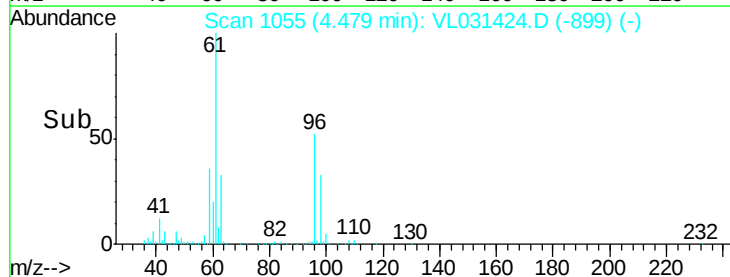
600000

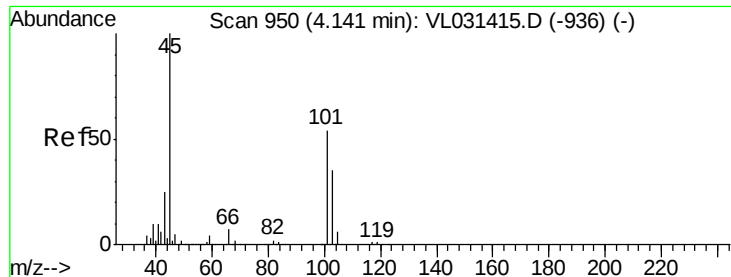
400000

200000

0

Time--> 4.40 4.45 4.50 4.55

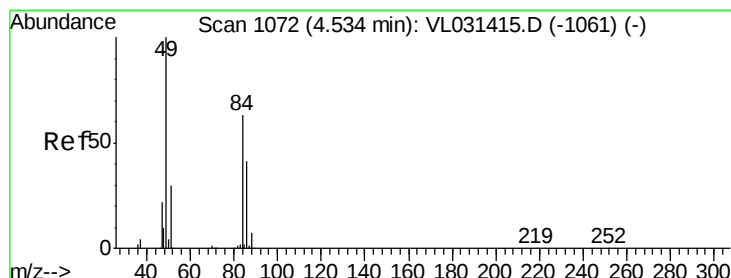
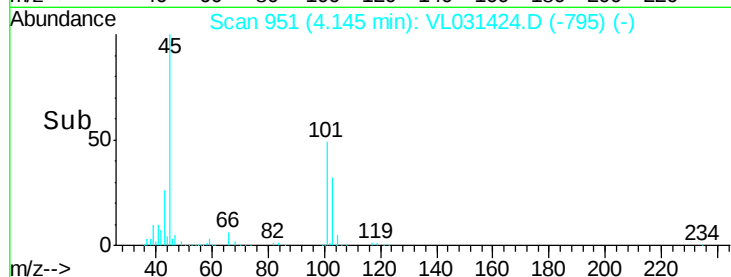
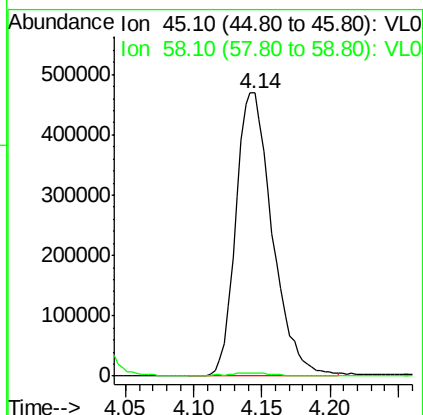
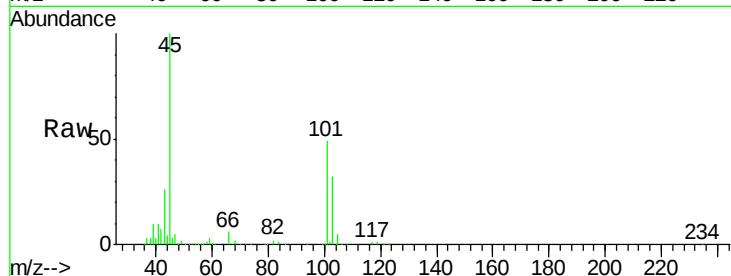




#19
Isopropyl Alcohol
Concen: 8.26 ppbv
RT: 4.14 min Scan# 951
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

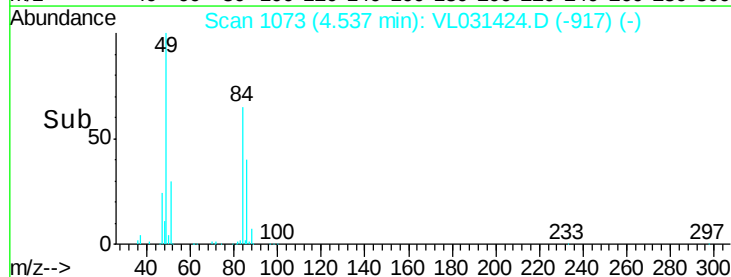
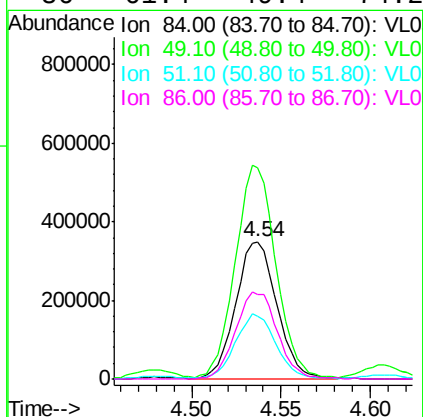
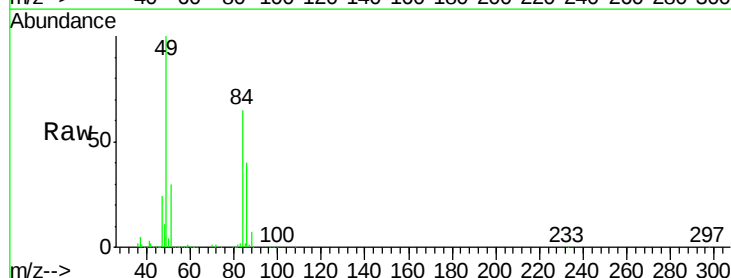
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

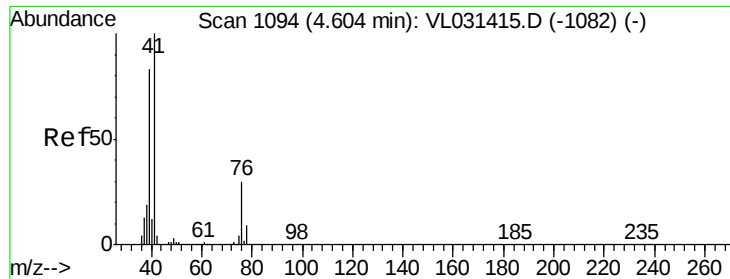
Tgt Ion: 45 Resp: 870382
Ion Ratio Lower Upper
45 100
58 1.8 1.0 1.4#



#20
Methylene Chloride
Concen: 8.50 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 84 Resp: 557078
Ion Ratio Lower Upper
84 100
49 153.5 123.4 185.0
51 45.7 35.6 53.4
86 61.4 49.4 74.2

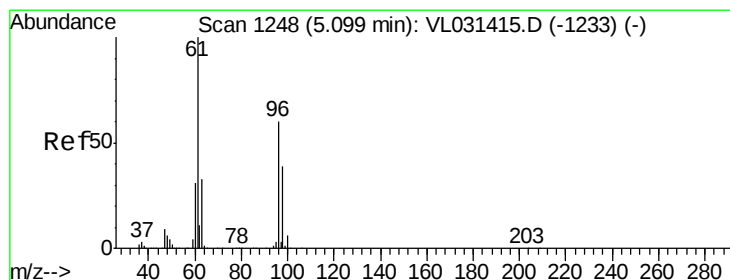
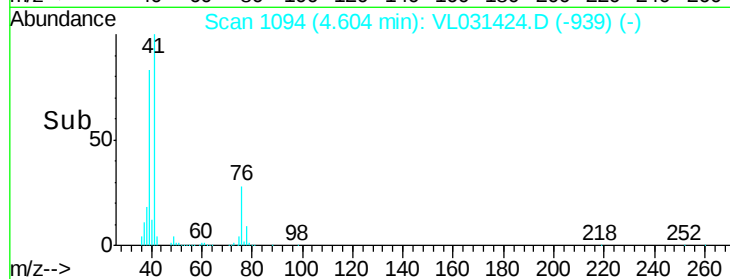
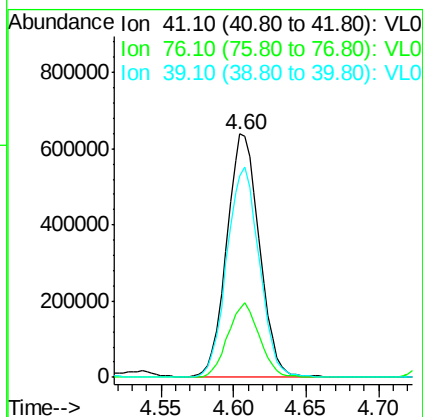
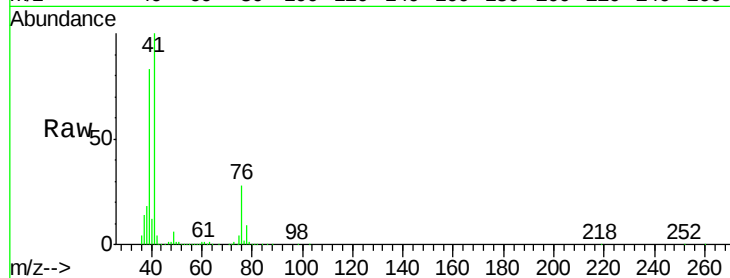




#21
 Allyl Chloride
 Concen: 9.77 ppbv
 RT: 4.60 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

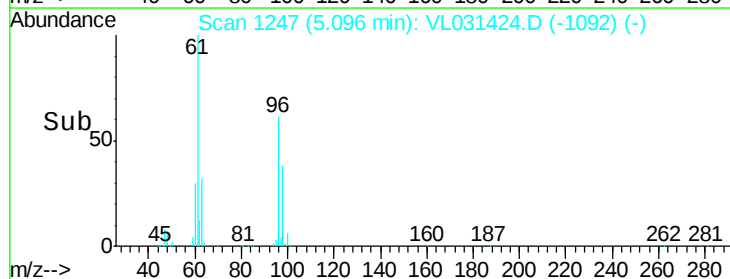
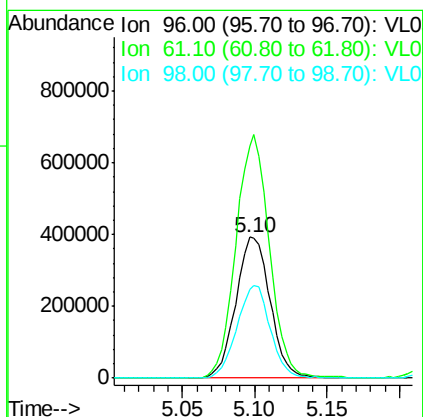
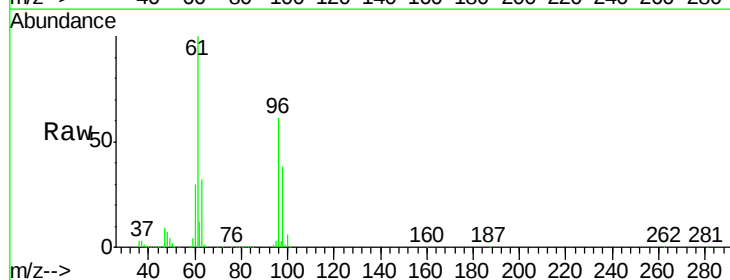
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

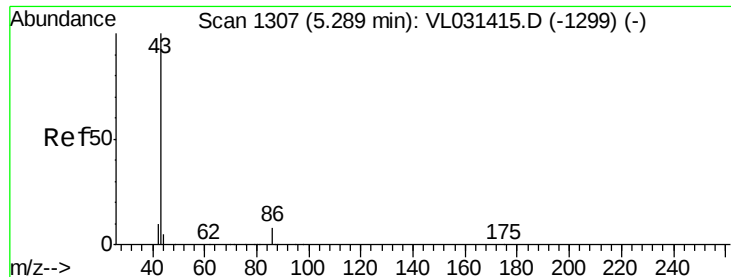
Tgt Ion: 41 Resp: 989866
 Ion Ratio Lower Upper
 41 100
 76 29.8 24.2 36.2
 39 86.3 69.8 104.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.42 ppbv
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 96 Resp: 646115
 Ion Ratio Lower Upper
 96 100
 61 164.8 135.0 202.4
 98 62.8 52.2 78.2





#23

Vinyl Acetate

Concen: 9.13 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tgt Ion: 43 Resp: 1863907

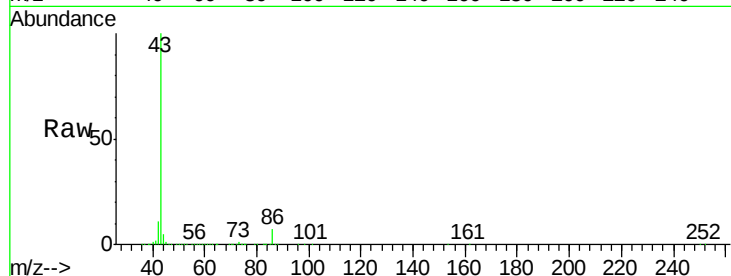
Ion Ratio Lower Upper

43 100

86 7.2 5.6 8.4

42 10.6 8.6 12.8

44 4.5 4.2 6.4

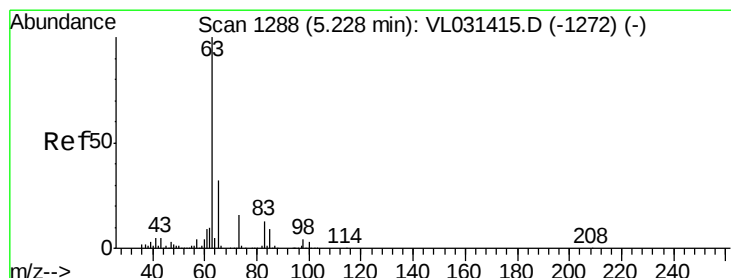
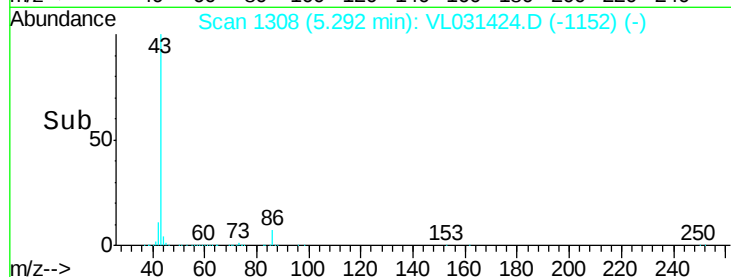
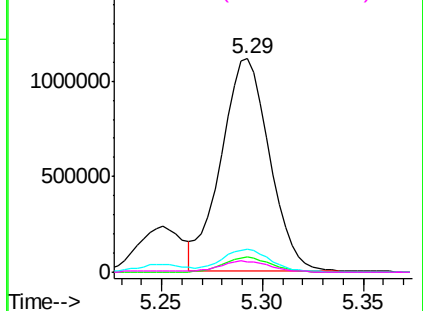


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.02 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

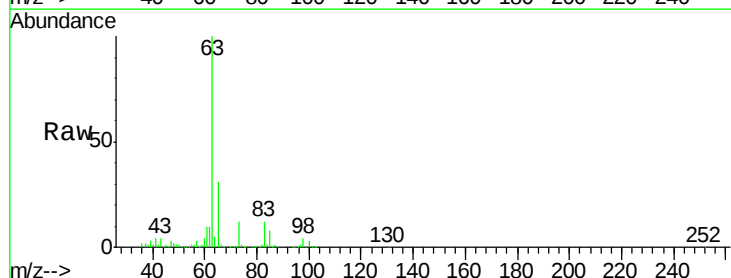
Tgt Ion: 63 Resp: 1605808

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

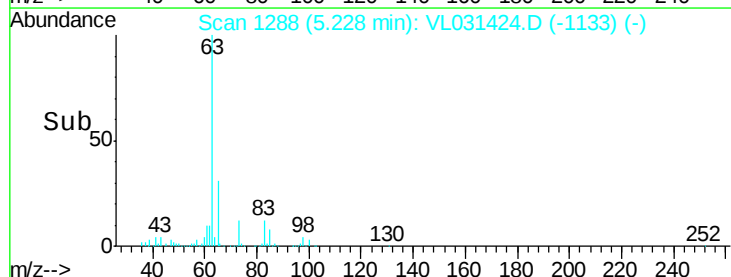
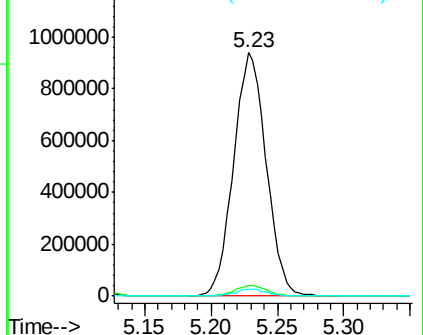
100 2.8 1.3 3.9

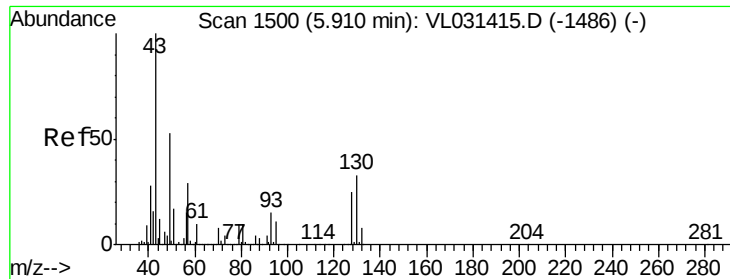


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



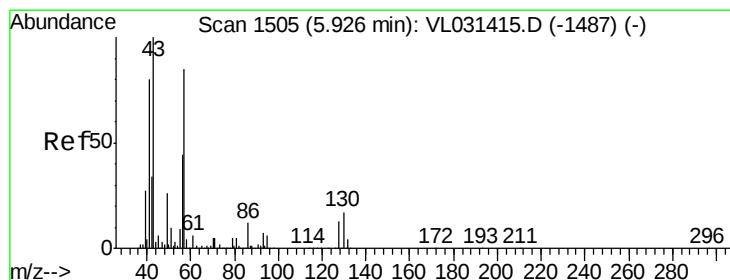
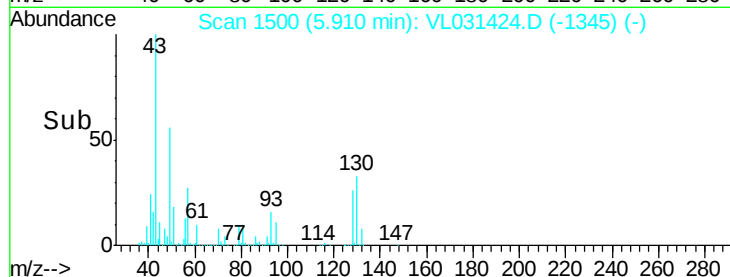
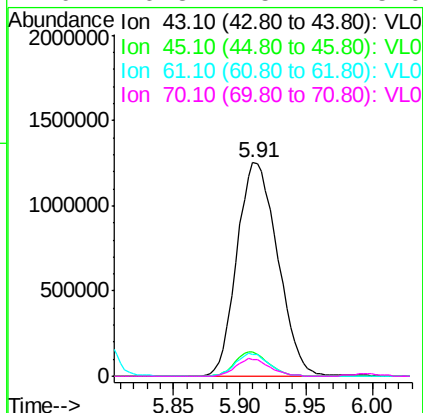
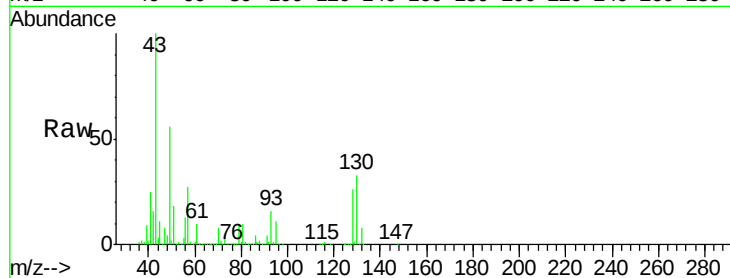


#25
Ethyl Acetate
Concen: 8.88 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tgt Ion: 43 Resp: 2671870

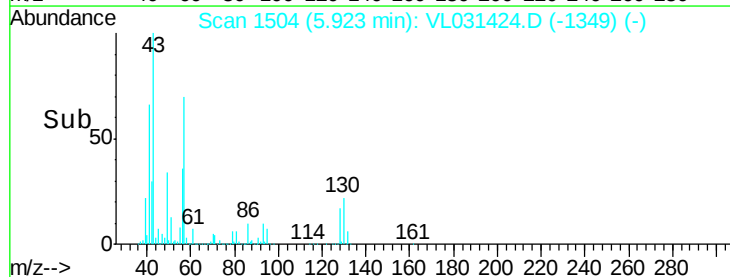
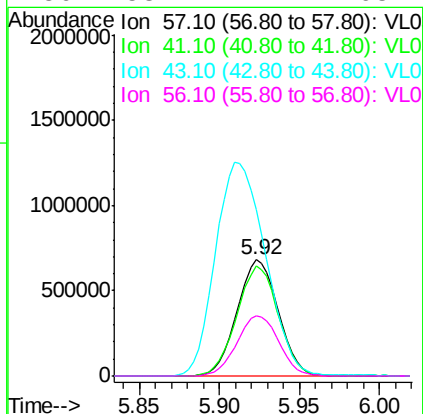
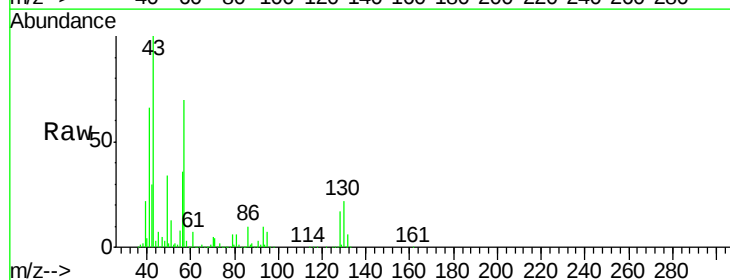
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	8.8	7.0	10.6
70	6.8	5.4	8.0

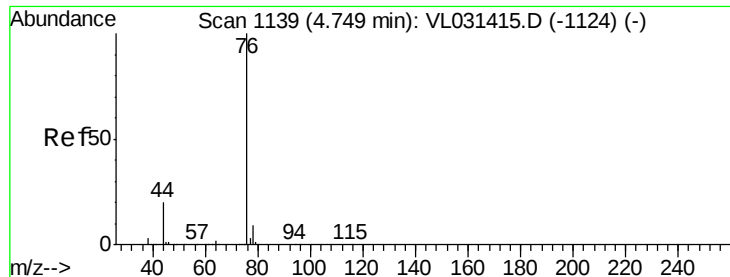


#26
Hexane
Concen: 8.92 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 57 Resp: 1193276

Ion	Ratio	Lower	Upper
57	100		
41	96.1	77.1	115.7
43	225.2	180.7	271.1
56	53.1	42.2	63.2

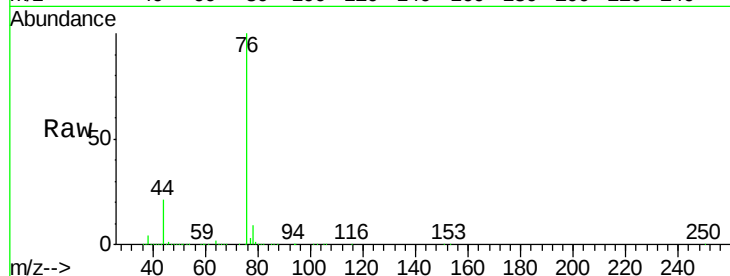




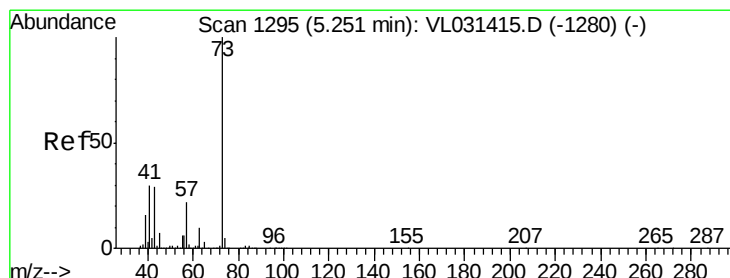
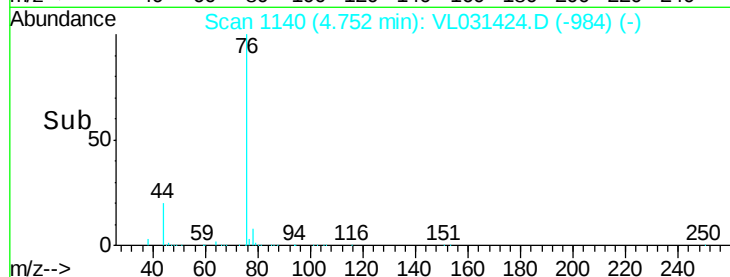
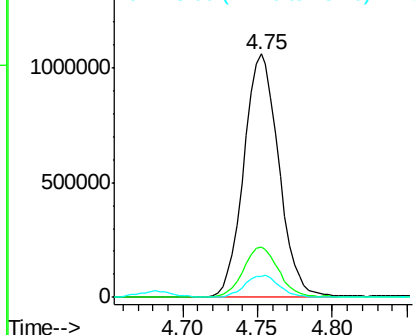
#27
Carbon Disulfide
Concen: 9.83 ppbv
RT: 4.75 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tgt Ion: 76 Resp: 1728982
Ion Ratio Lower Upper
76 100
44 20.5 16.7 25.1
78 9.2 7.5 11.3

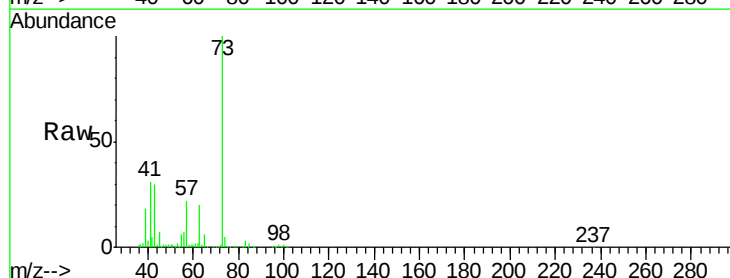


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

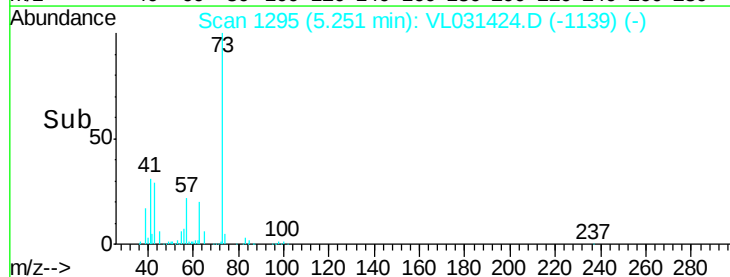
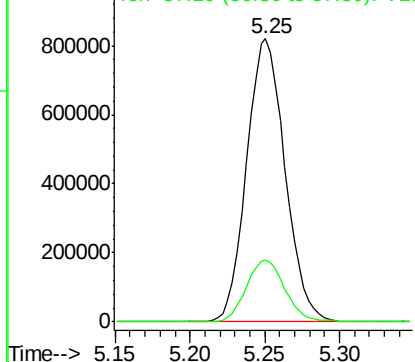


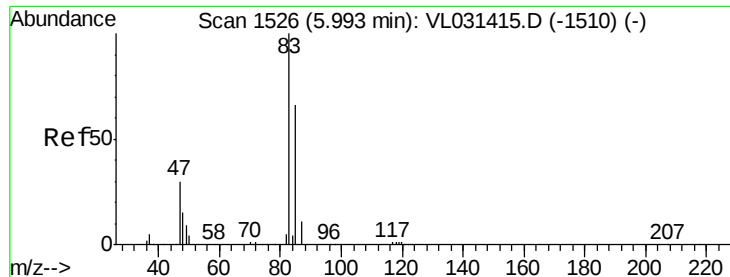
#28
Methyl tert-Butyl Ether
Concen: 9.23 ppbv
RT: 5.25 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 73 Resp: 1465172
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3



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

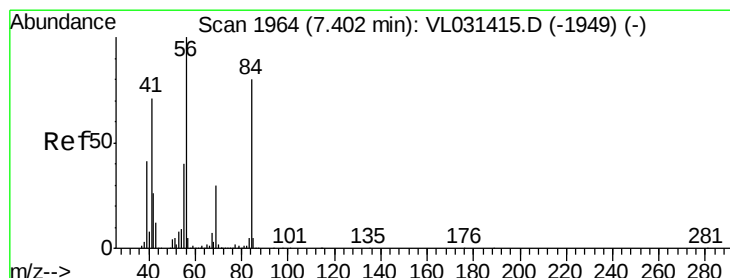
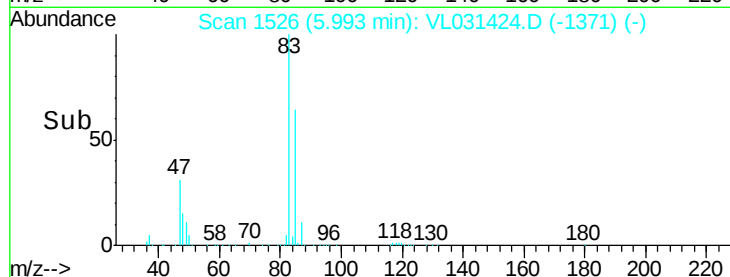
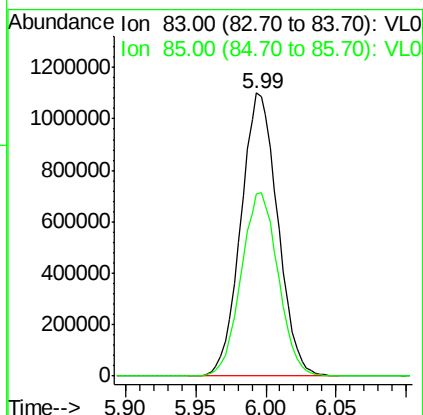
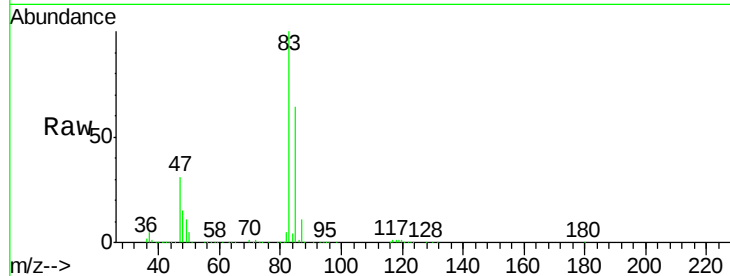




#29
Chloroform
Concen: 8.73 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

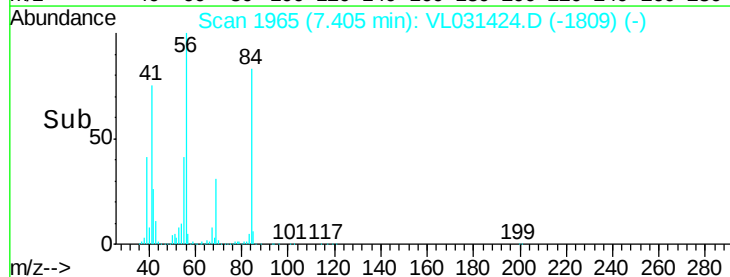
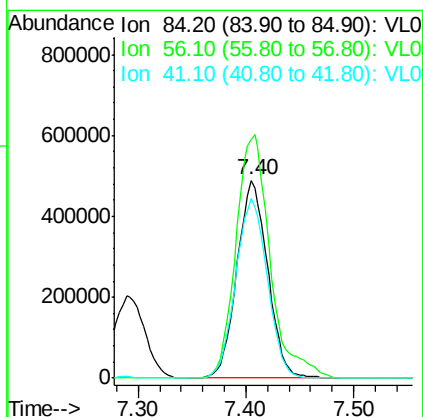
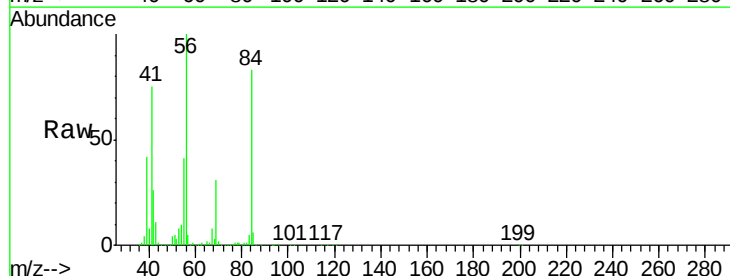
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

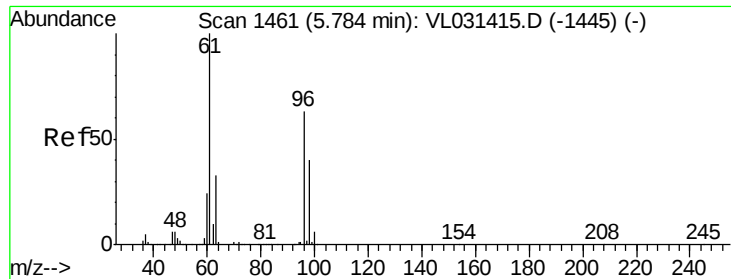
Tgt Ion: 83 Resp: 2016139
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9



#30
Cyclohexane
Concen: 9.49 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 84 Resp: 971474
Ion Ratio Lower Upper
84 100
56 137.4 109.0 163.4
41 93.5 73.3 109.9

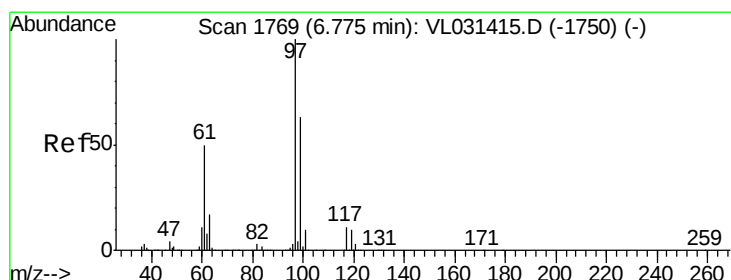
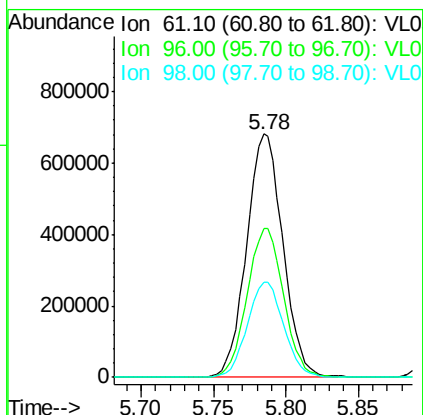
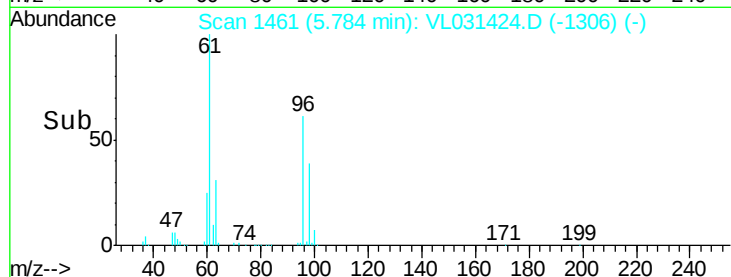
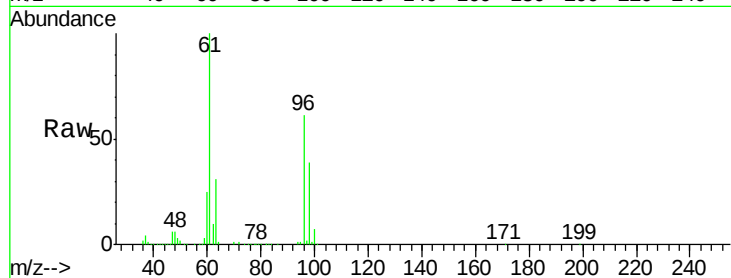




#31
 cis-1,2-Dichloroethene
 Concen: 9.38 ppbv
 RT: 5.78 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

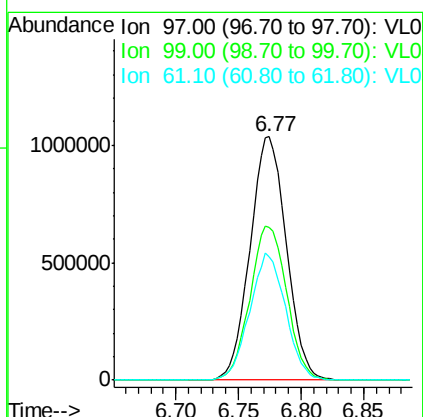
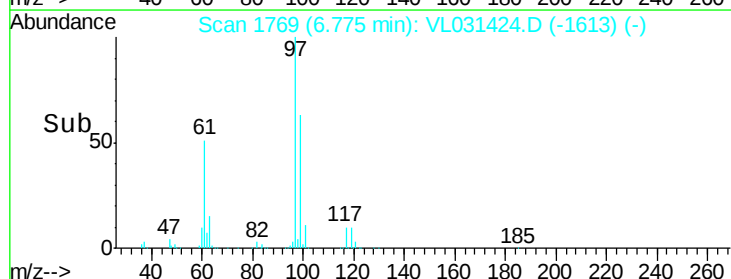
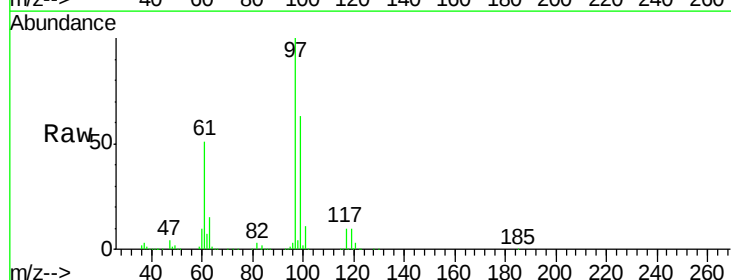
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

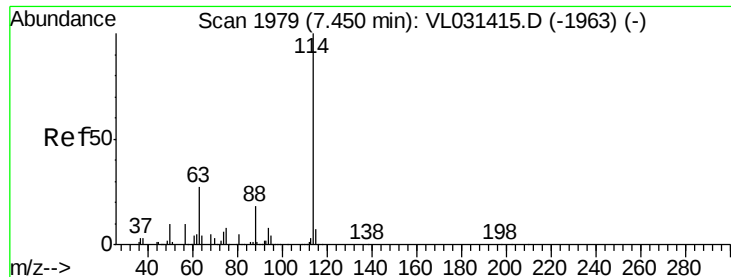
Tgt Ion: 61 Resp: 1187620
 Ion Ratio Lower Upper
 61 100
 96 61.0 51.3 76.9
 98 39.3 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.30 ppbv
 RT: 6.77 min Scan# 1769
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 97 Resp: 2090879
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.9 77.9
 61 51.7 40.6 61.0

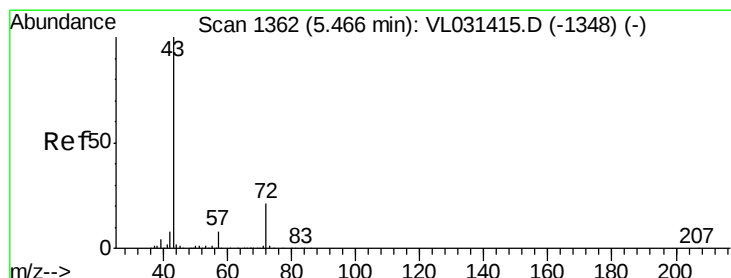
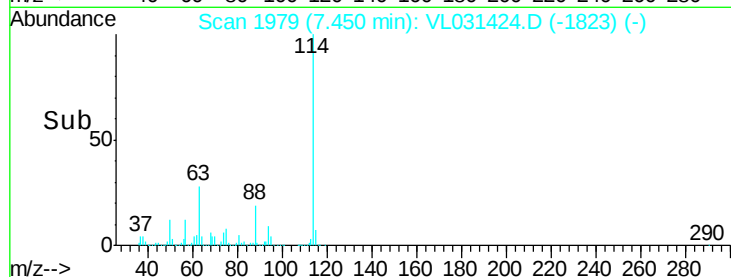
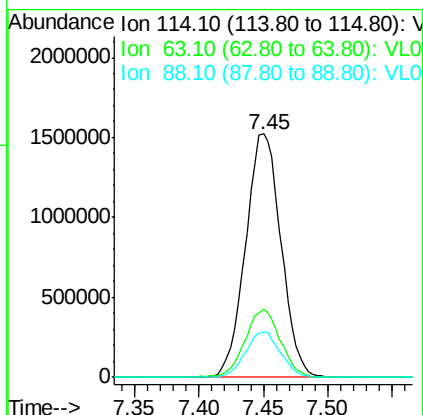
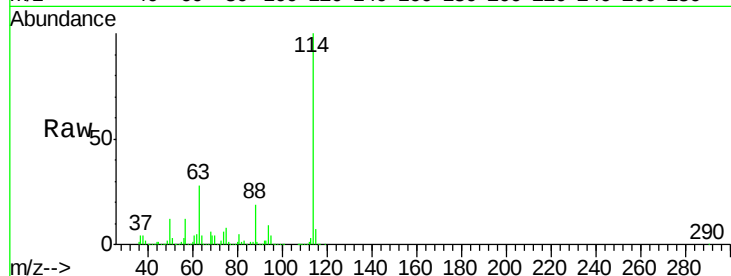




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

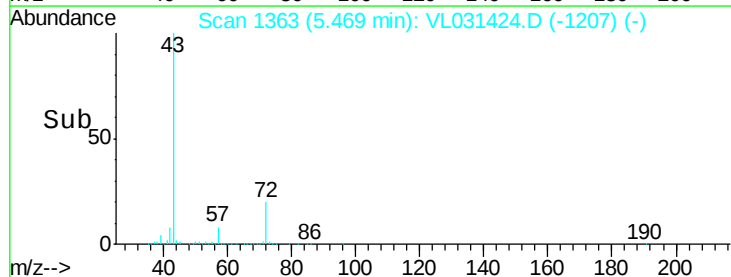
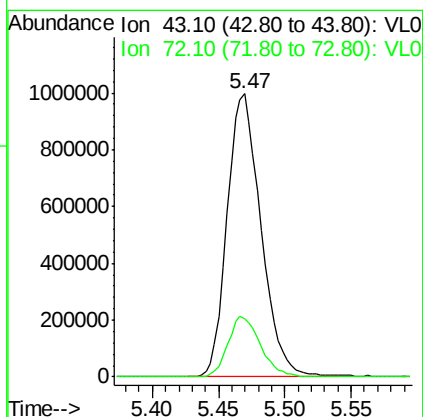
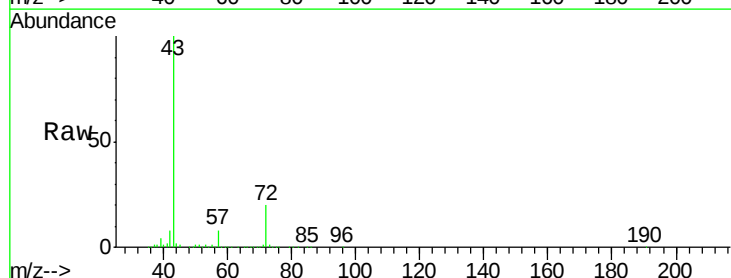
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

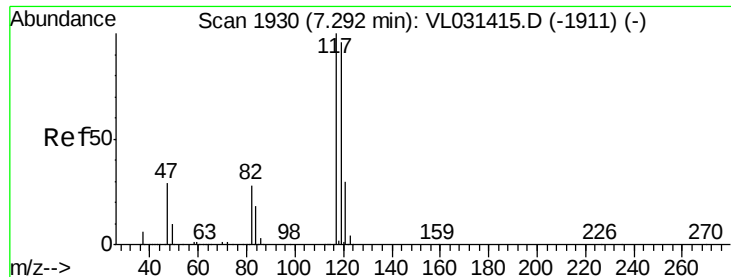
Tgt Ion:114 Resp: 2919770
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.5 33.7
 88 18.5 14.6 22.0



#34
 2-Butanone
 Concen: 9.52 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 43 Resp: 1759866
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.8 25.2





#35

Carbon Tetrachloride

Concen: 9.54 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

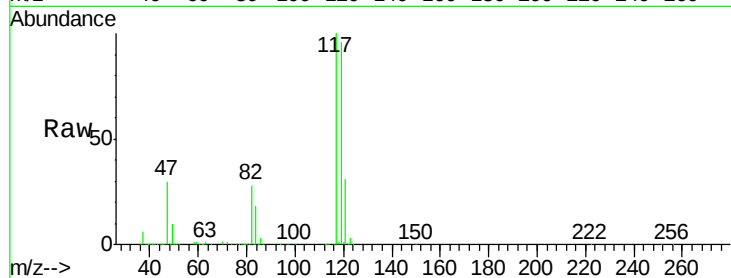
Tgt Ion: 117 Resp: 2255364

Ion Ratio Lower Upper

117 100

119 96.1 74.2 111.4

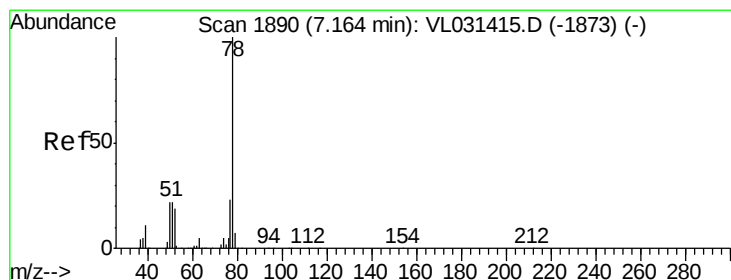
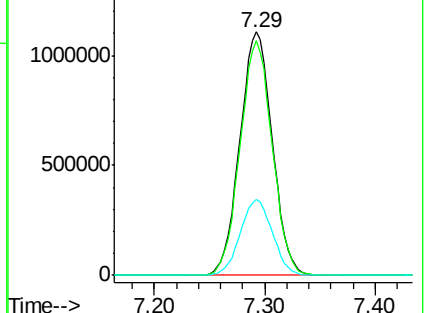
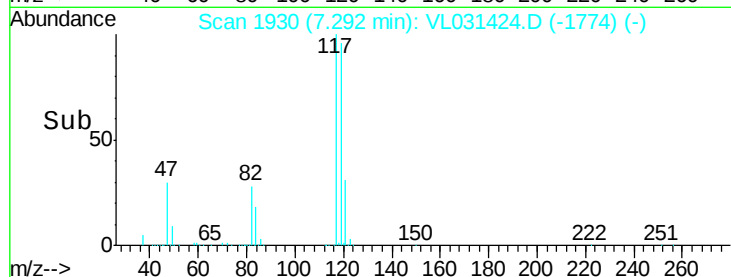
121 31.2 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.14 ppbv

RT: 7.16 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

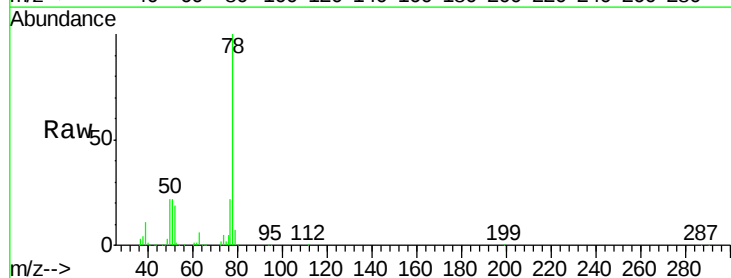
Tgt Ion: 78 Resp: 2373047

Ion Ratio Lower Upper

78 100

77 22.4 18.7 28.1

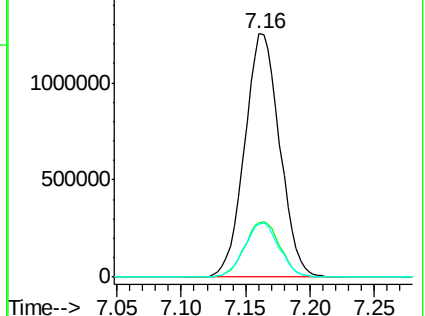
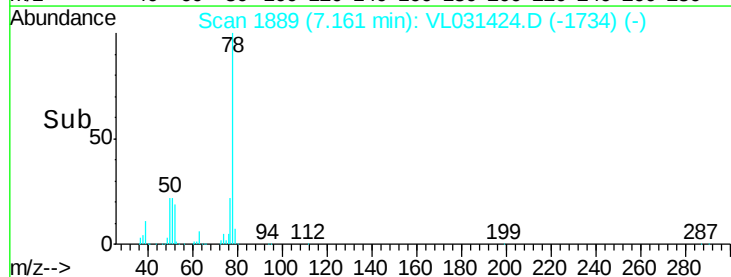
50 21.7 18.4 27.6

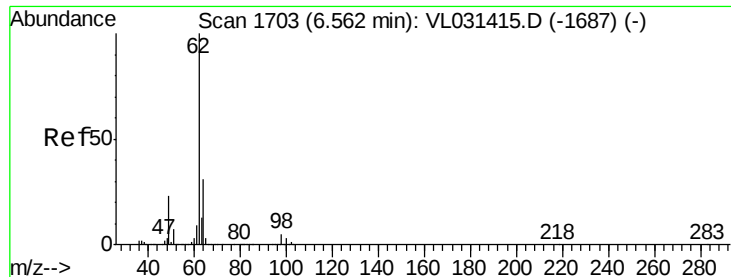


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.98 ppbv

RT: 6.56 min Scan# 1703

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

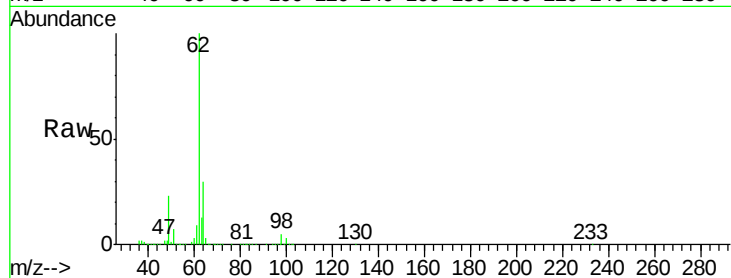
VL0122ABS01

Tgt Ion: 62 Resp: 1808883

Ion Ratio Lower Upper

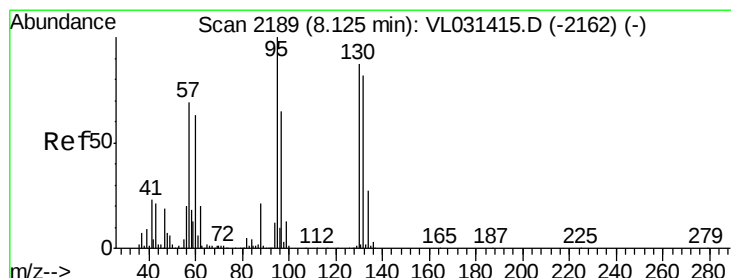
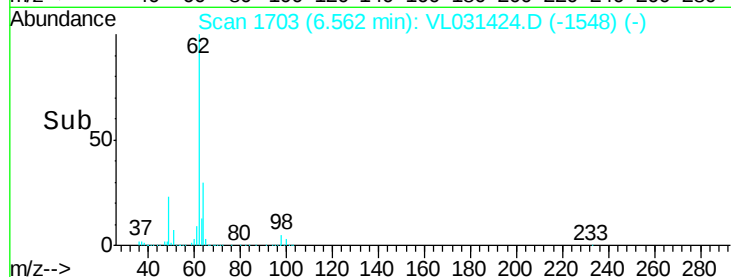
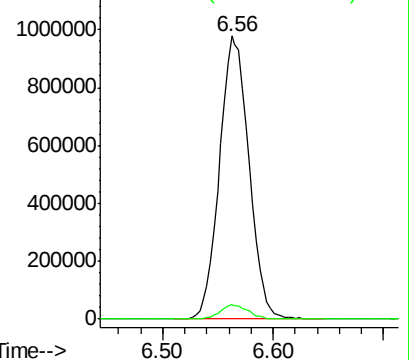
62 100

98 4.9 4.1 6.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.08 ppbv

RT: 8.13 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion: 130 Resp: 1017480

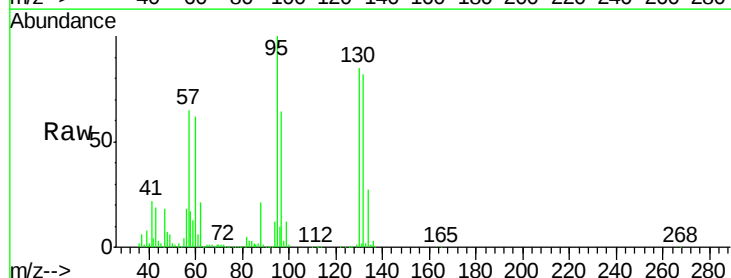
Ion Ratio Lower Upper

130 100

95 118.1 92.9 139.3

132 97.0 74.9 112.3

97 76.1 60.2 90.4

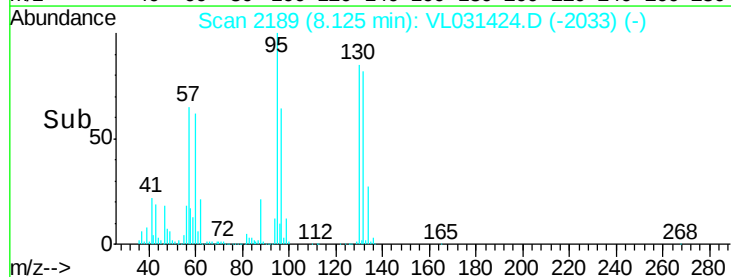
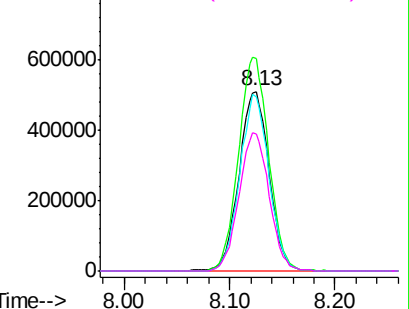


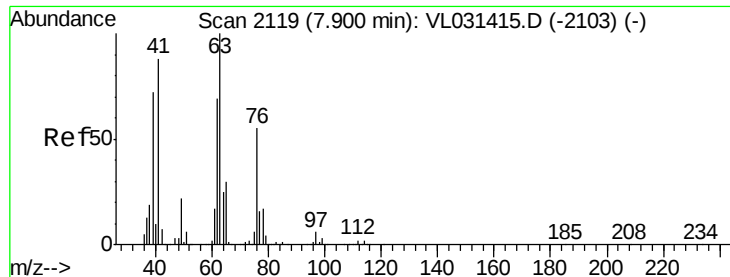
Abundance Ion 130.00 (129.70 to 130.70): V

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

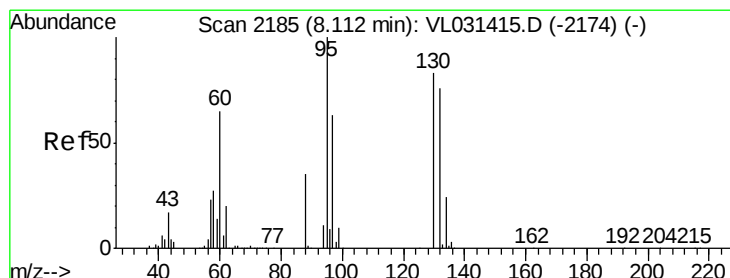
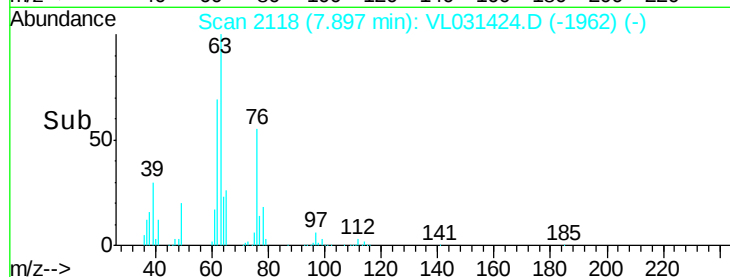
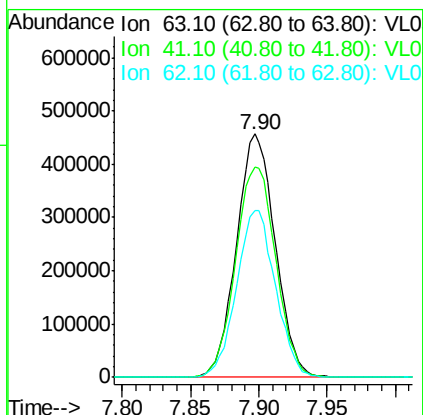
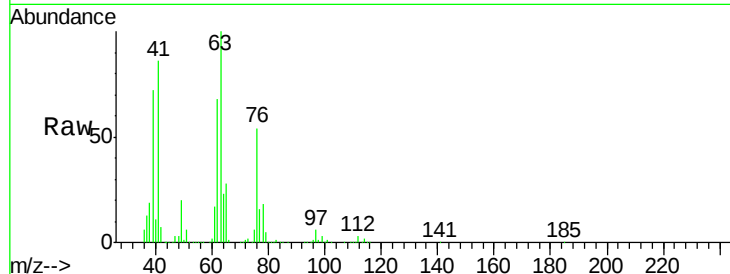




#39
 1,2-Dichloropropane
 Concen: 9.27 ppbv
 RT: 7.90 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

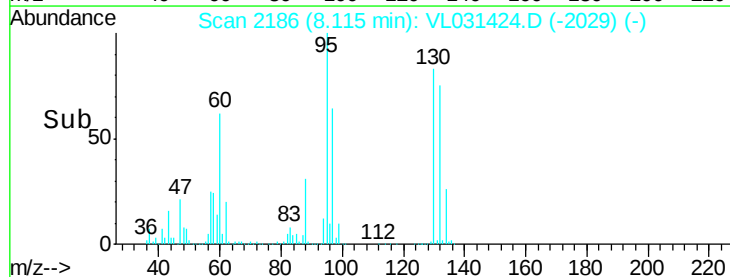
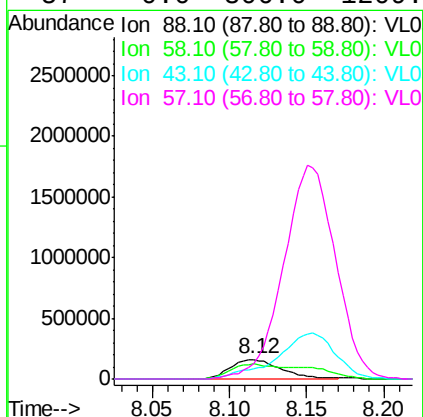
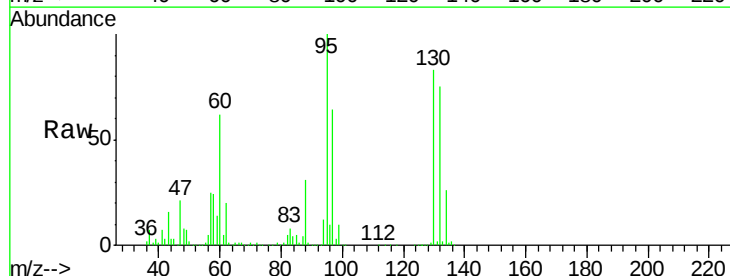
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

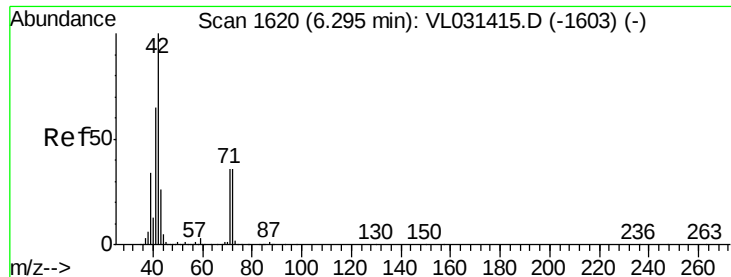
Tgt Ion: 63 Resp: 903716
 Ion Ratio Lower Upper
 63 100
 41 86.2 67.6 101.4
 62 68.4 51.8 77.6



#40
 1,4-Dioxane
 Concen: 9.03 ppbv
 RT: 8.12 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 88 Resp: 359507
 Ion Ratio Lower Upper
 88 100
 58 129.1 98.2 147.2
 43 0.0 197.3 295.9#
 57 0.0 806.0 1209.0#

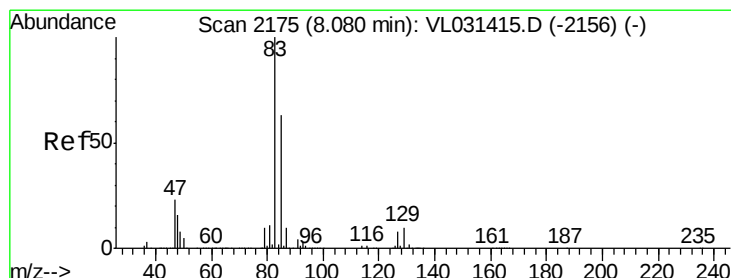
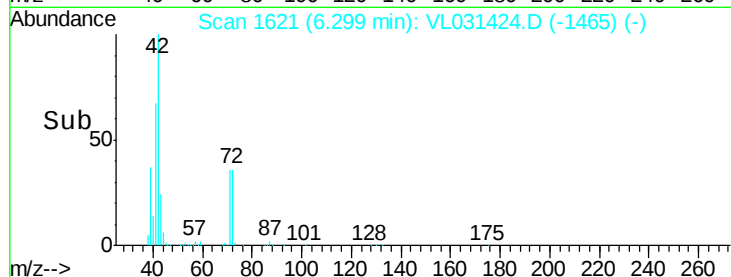
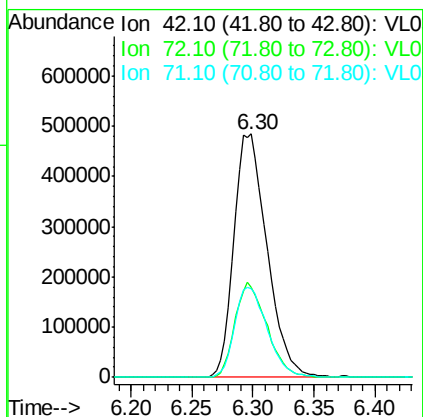
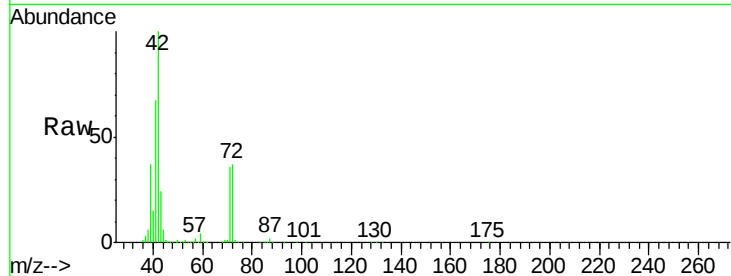




#41
Tetrahydrofuran
Concen: 8.97 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

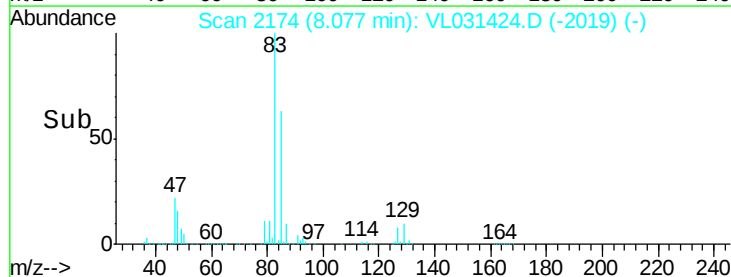
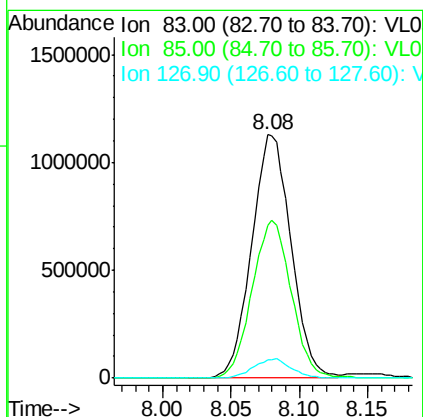
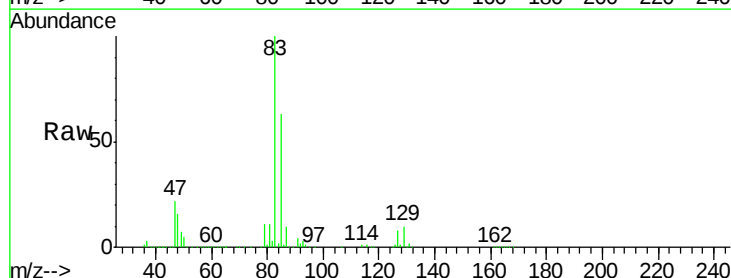
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

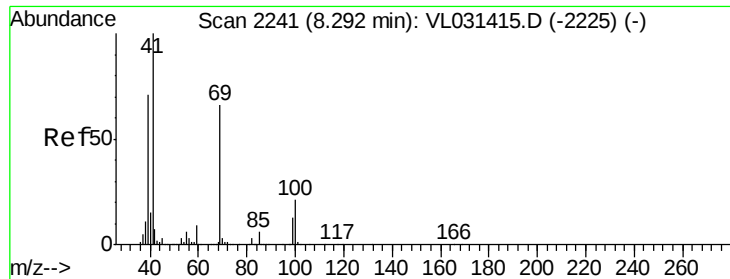
Tgt Ion: 42 Resp: 915232
Ion Ratio Lower Upper
42 100
72 37.4 30.4 45.6
71 36.7 29.2 43.8



#42
Bromodichloromethane
Concen: 9.37 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 83 Resp: 2264677
Ion Ratio Lower Upper
83 100
85 62.7 52.1 78.1
127 7.7 6.6 10.0

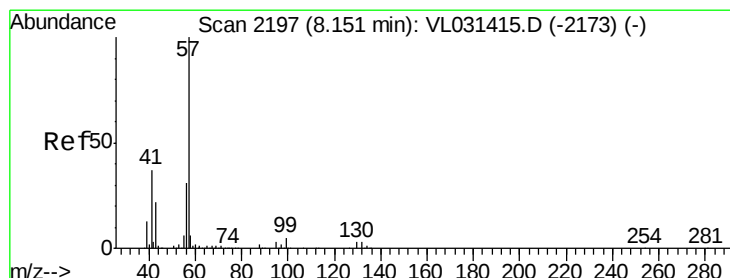
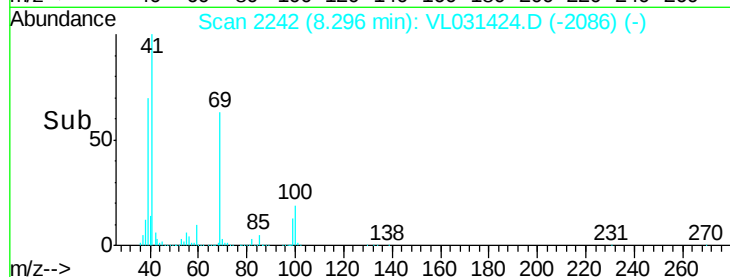
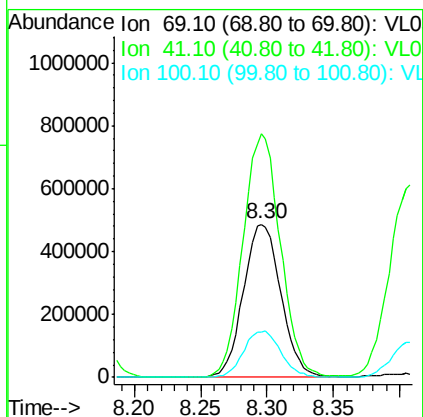
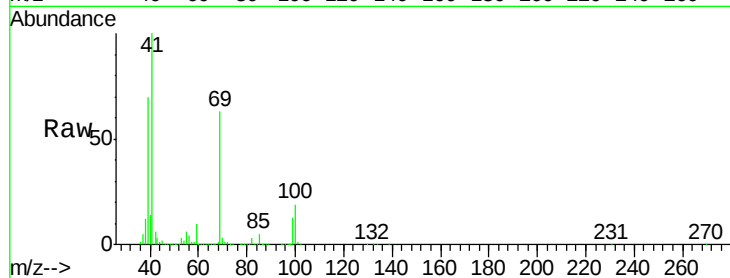




#43
Methyl Methacrylate
Concen: 10.11 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

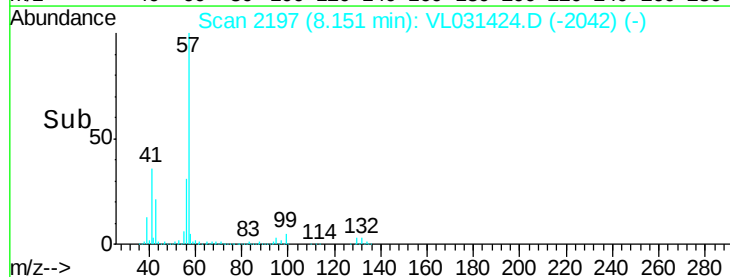
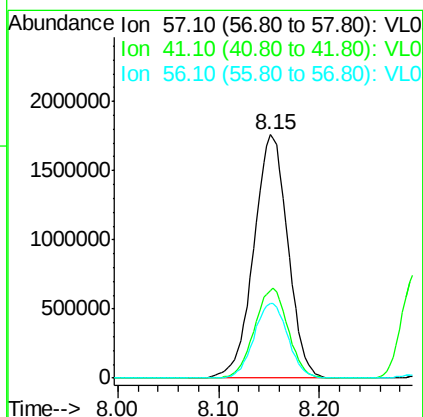
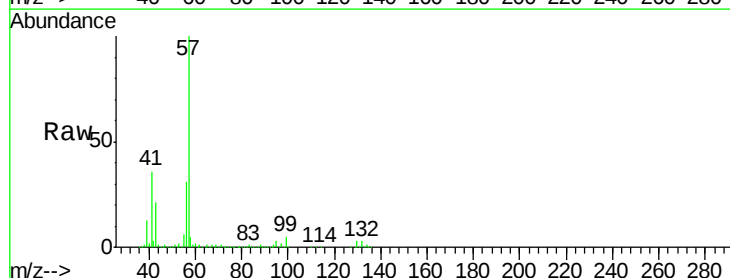
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

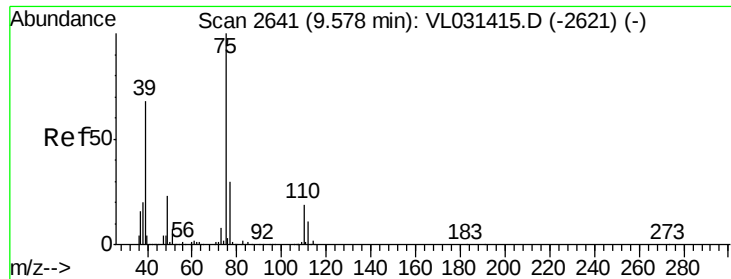
Tgt Ion: 69 Resp: 959283
Ion Ratio Lower Upper
69 100
41 158.2 127.0 190.6
100 30.0 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.29 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 57 Resp: 4113871
Ion Ratio Lower Upper
57 100
41 36.4 28.8 43.2
56 30.5 24.6 37.0

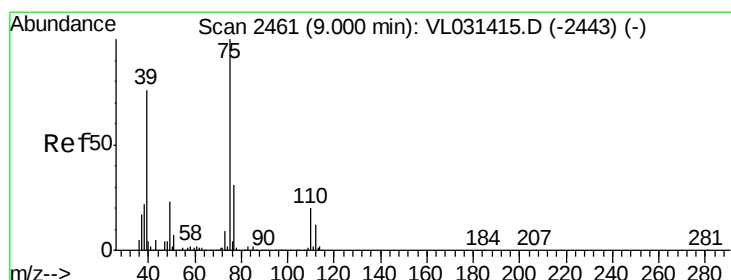
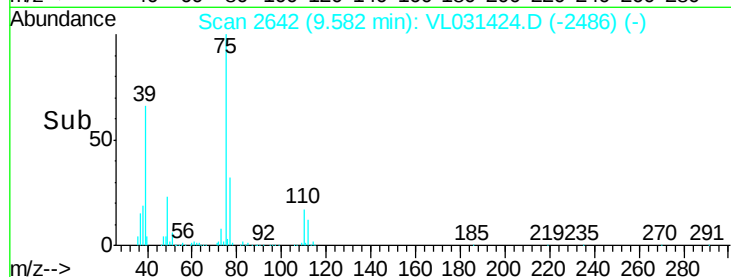
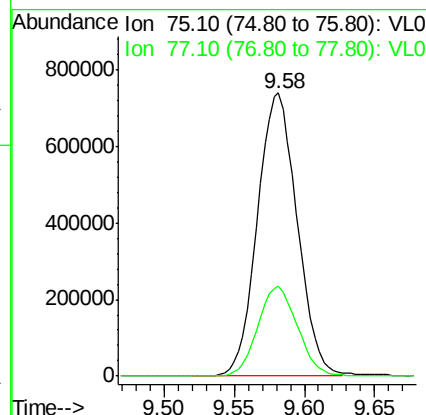
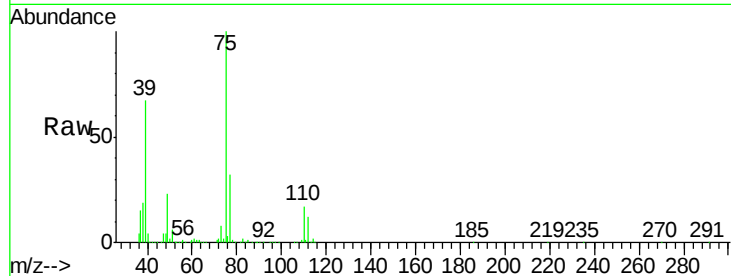




#45
 t-1,3-Dichloropropene
 Concen: 10.69 ppbv
 RT: 9.58 min Scan# 2642
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

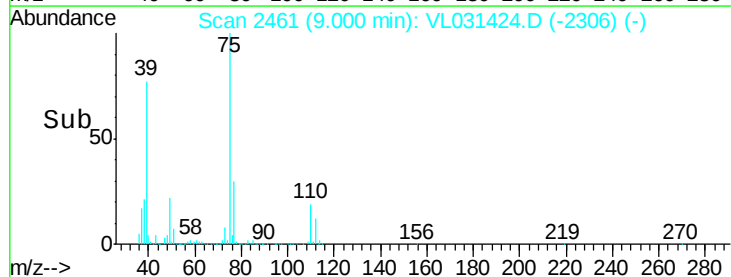
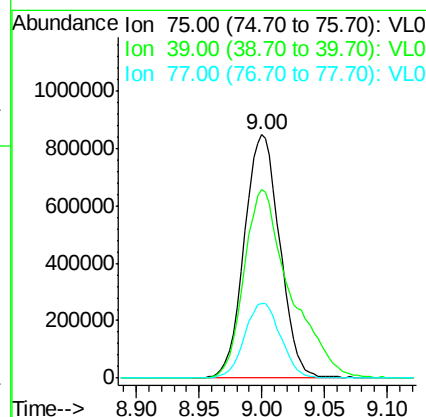
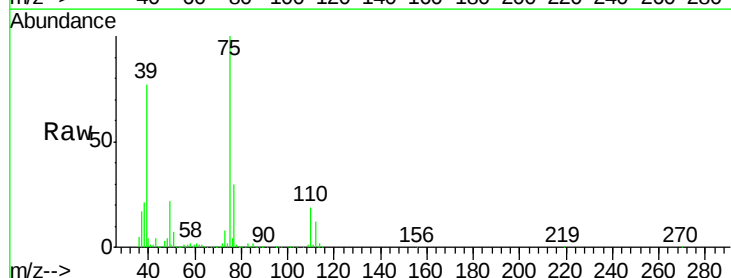
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

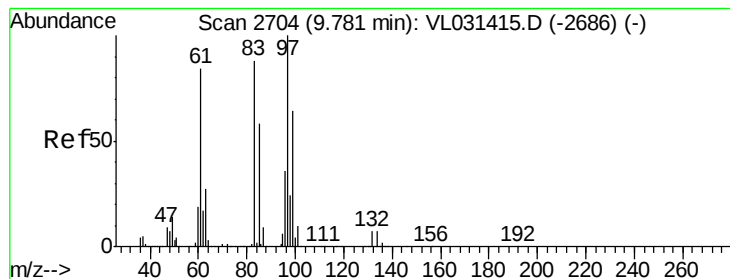
Tgt Ion: 75 Resp: 1454076
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 10.01 ppbv
 RT: 9.00 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 75 Resp: 1670932
 Ion Ratio Lower Upper
 75 100
 39 77.5 59.4 89.0
 77 30.5 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.34 ppbv

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tgt Ion: 97 Resp: 1070598

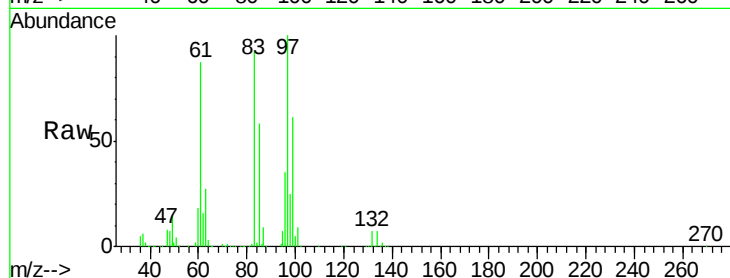
Ion Ratio Lower Upper

97 100

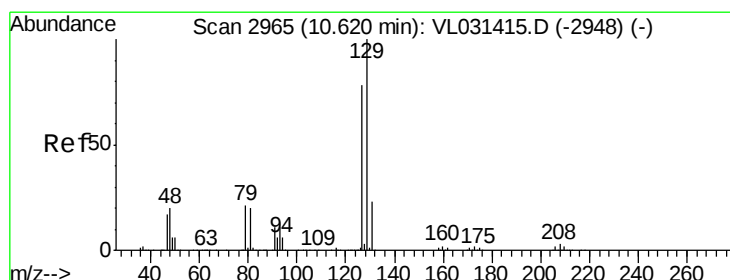
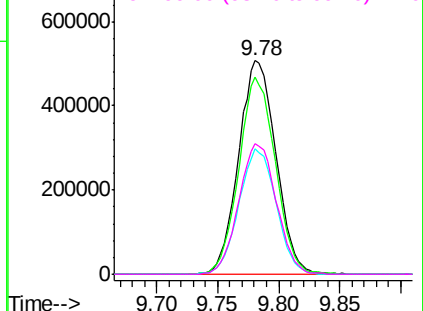
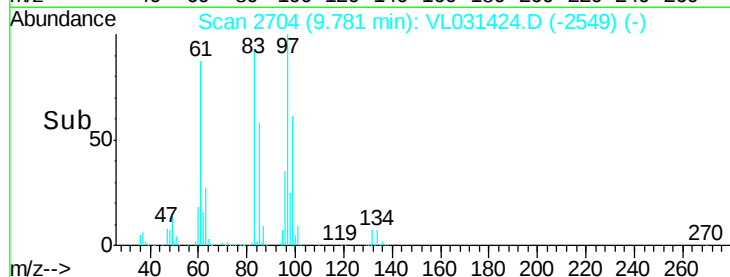
83 92.1 71.4 107.2

85 58.4 46.2 69.2

99 61.1 52.2 78.2



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



#48

Dibromochloromethane

Concen: 9.63 ppbv

RT: 10.62 min Scan# 2965

Delta R.T. -0.00 min

Lab File: VL031424.D

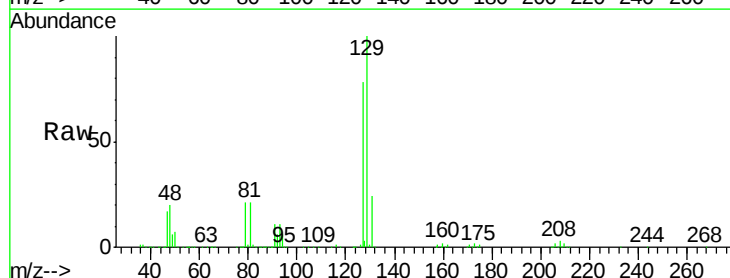
Acq: 22 Jan 2018 20:34

Tgt Ion: 129 Resp: 1964437

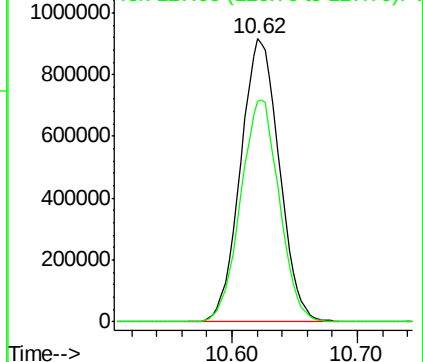
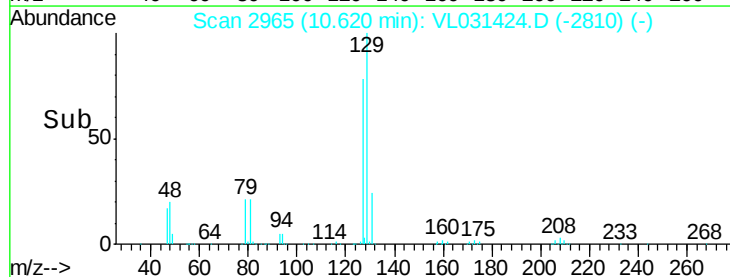
Ion Ratio Lower Upper

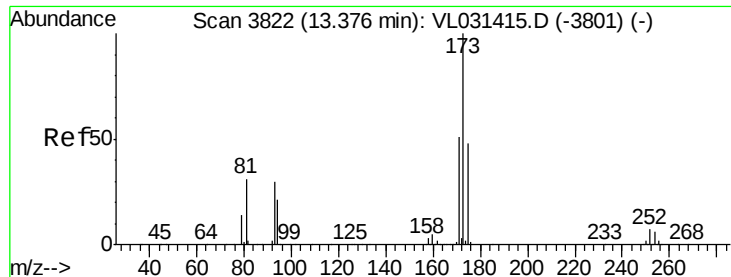
129 100

127 78.4 39.4 118.1



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





#49

Bromoform

Concen: 9.99 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

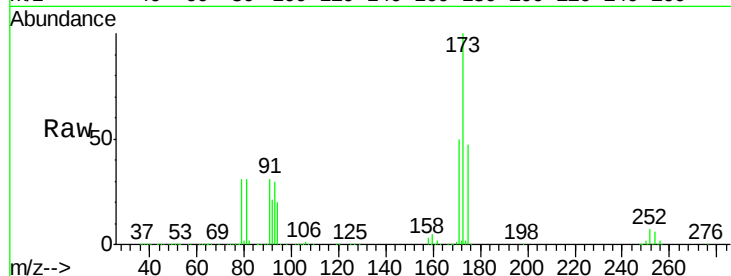
Tgt Ion:173 Resp: 1551063

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

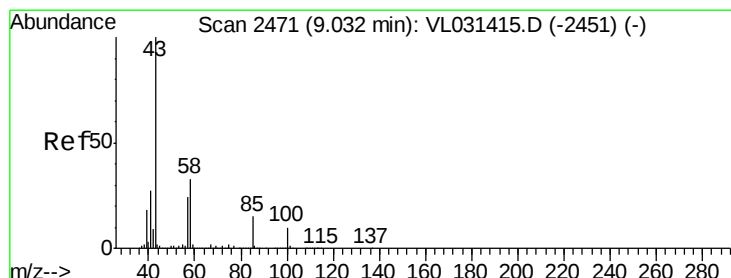
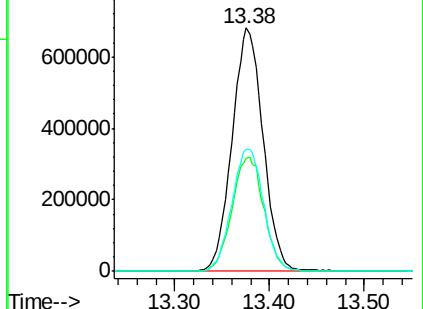
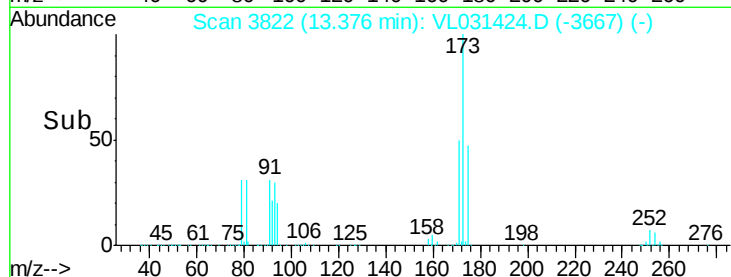
171 51.7 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.27 ppbv

RT: 9.03 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VL031424.D

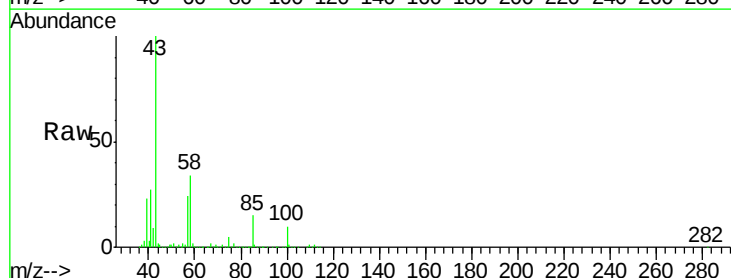
Acq: 22 Jan 2018 20:34

Tgt Ion: 43 Resp: 2304265

Ion Ratio Lower Upper

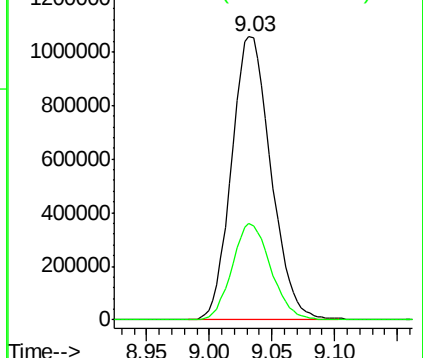
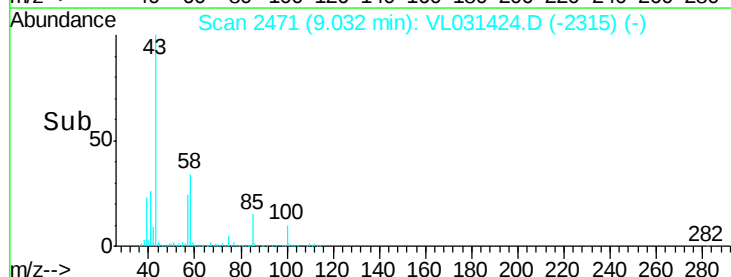
43 100

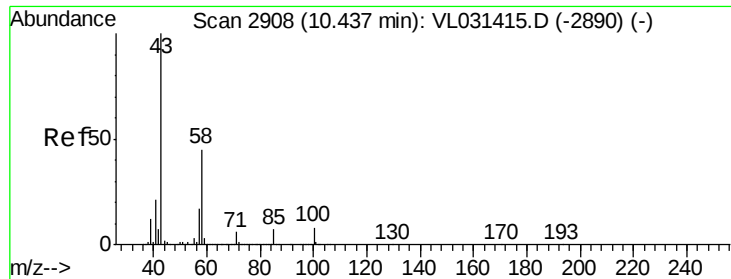
58 33.6 27.1 40.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.65 ppbv

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

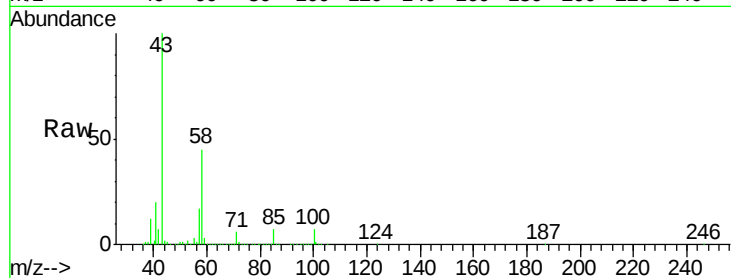
Tgt Ion: 43 Resp: 2288308

Ion Ratio Lower Upper

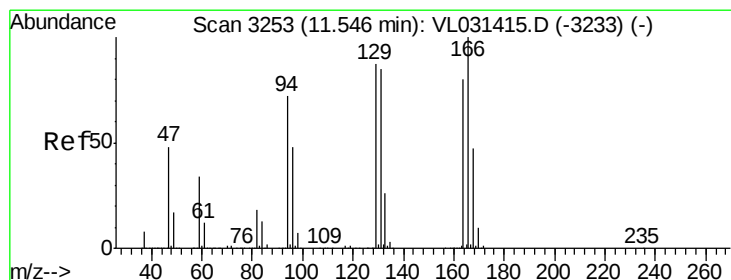
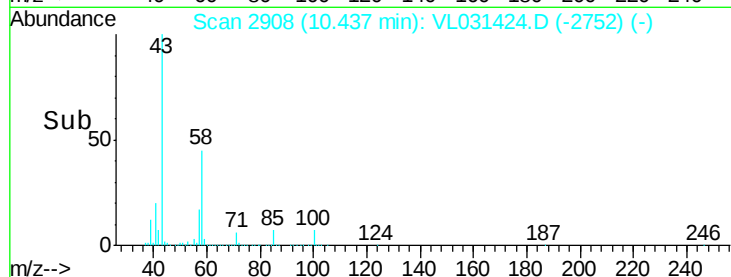
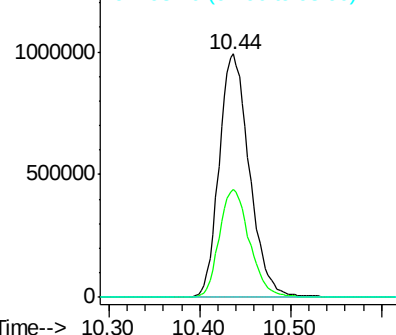
43 100

58 44.5 36.2 54.4

98 0.2 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.87 ppbv

RT: 11.54 min Scan# 3252

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion: 164 Resp: 962449

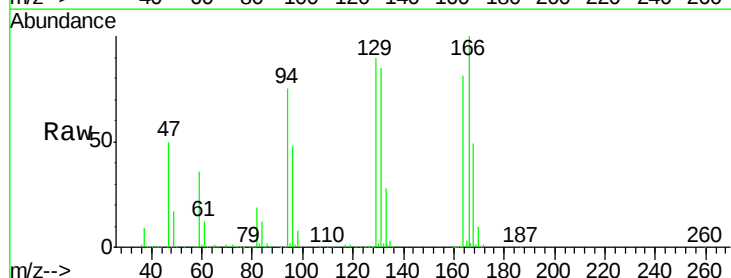
Ion Ratio Lower Upper

164 100

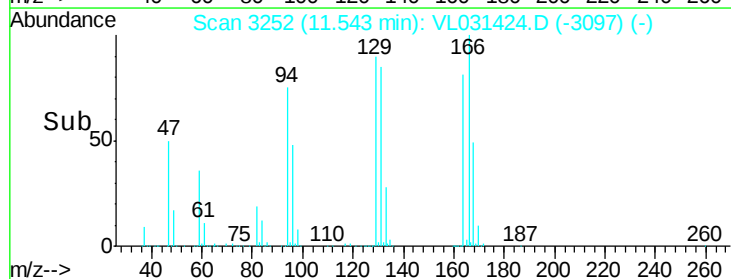
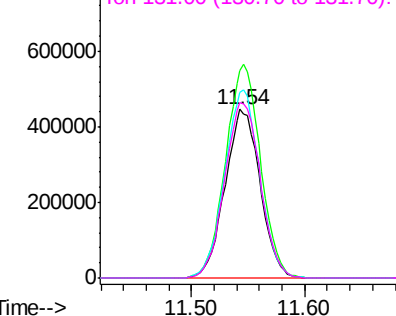
166 122.8 100.2 150.2

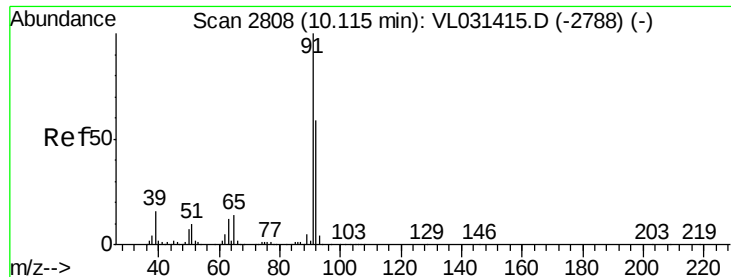
129 110.2 91.4 137.0

131 104.1 87.4 131.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.91 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

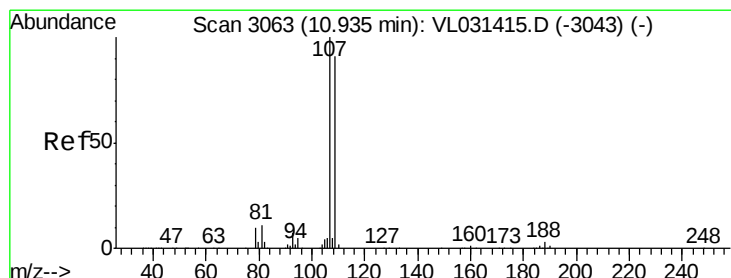
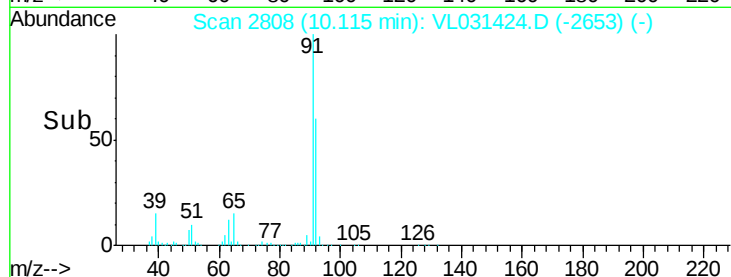
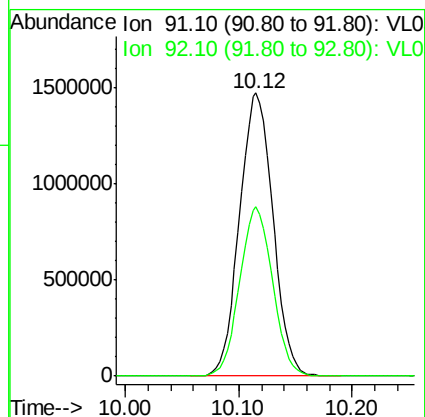
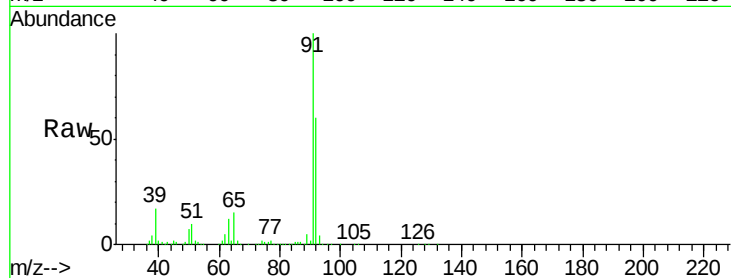
VL0122ABS01

Tgt Ion: 91 Resp: 3036307

Ion Ratio Lower Upper

91 100

92 58.9 47.8 71.6



#54

1,2-Dibromoethane

Concen: 9.59 ppbv

RT: 10.93 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VL031424.D

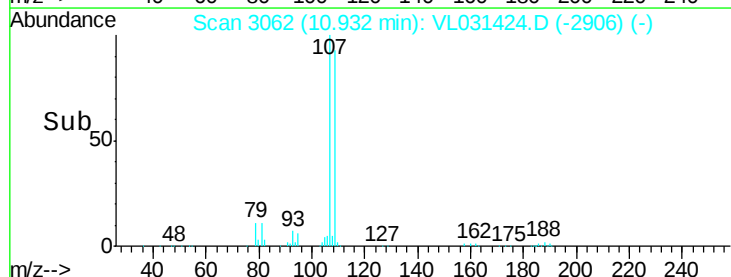
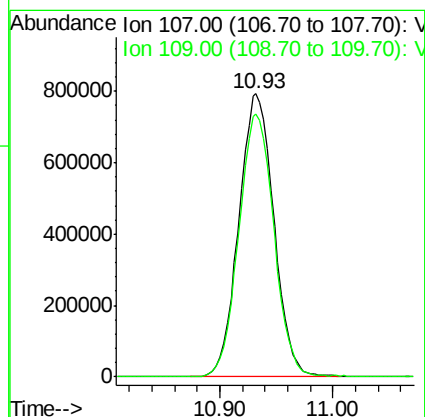
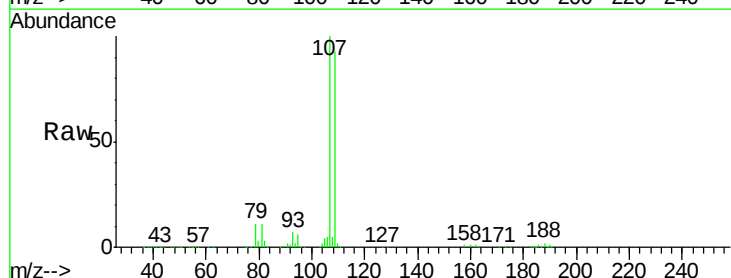
Acq: 22 Jan 2018 20:34

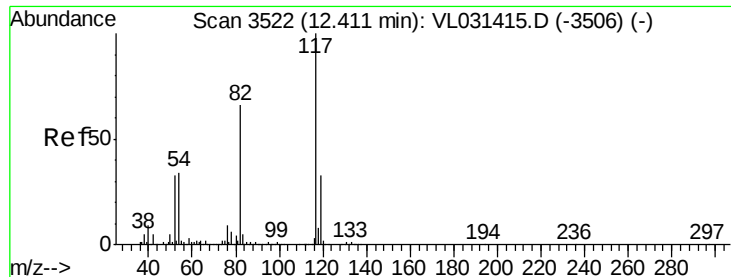
Tgt Ion: 107 Resp: 1709858

Ion Ratio Lower Upper

107 100

109 92.8 75.5 113.3

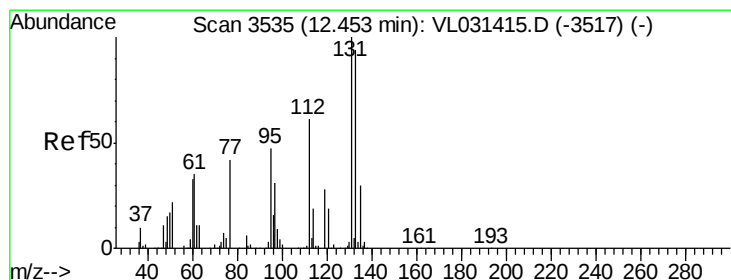
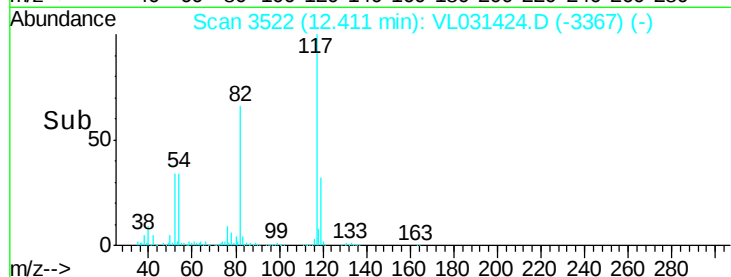
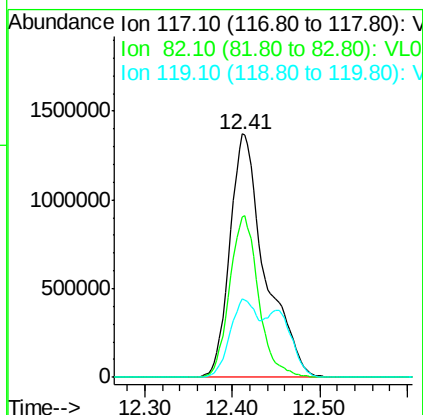
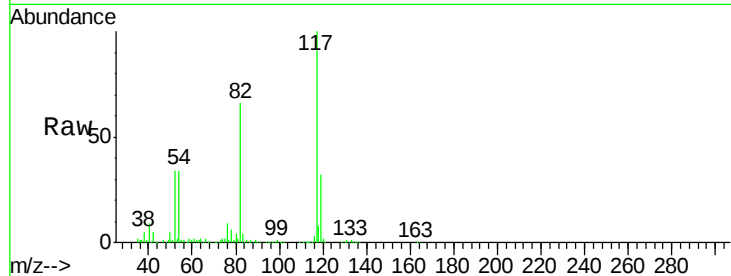




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

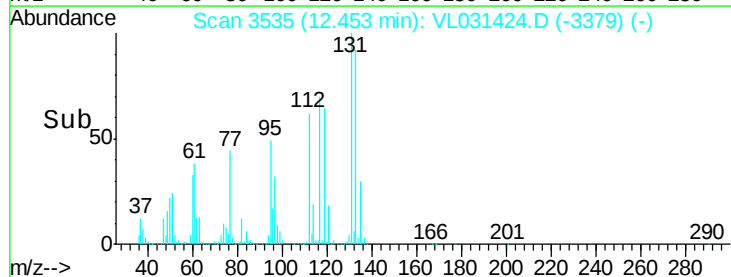
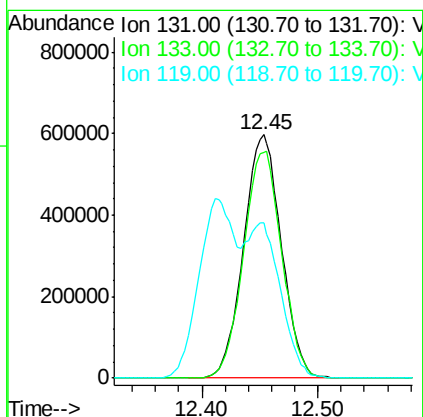
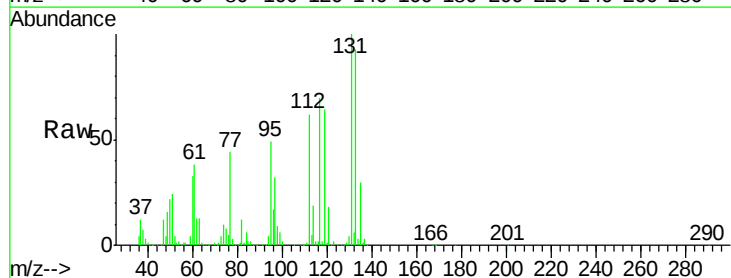
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

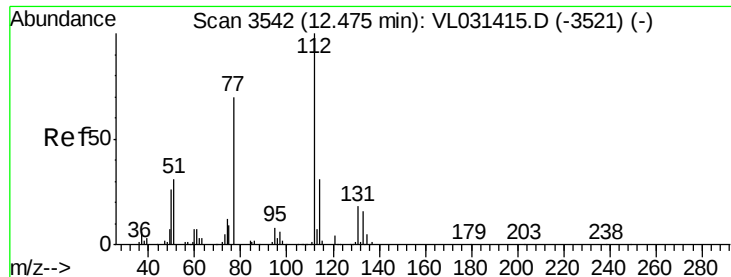
Tgt Ion:117 Resp: 3822648
Ion Ratio Lower Upper
117 100
82 54.9 51.8 77.6
119 46.4 24.2 36.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.43 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion:131 Resp: 1348716
Ion Ratio Lower Upper
131 100
133 94.8 76.9 115.3
119 58.4 47.7 71.5





#57

Chlorobenzene

Concen: 7.31 ppbv

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

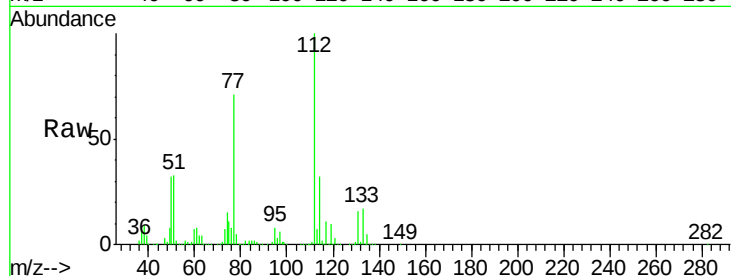
Tgt Ion: 112 Resp: 2416666

Ion Ratio Lower Upper

112 100

77 70.4 56.0 84.0

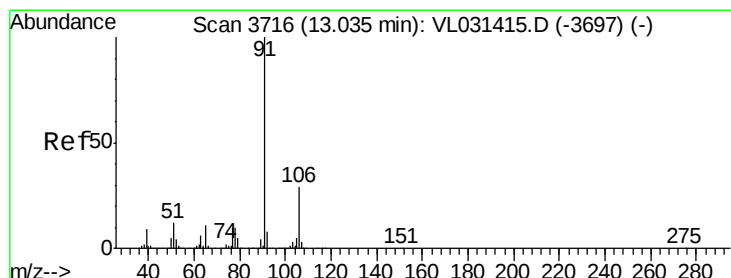
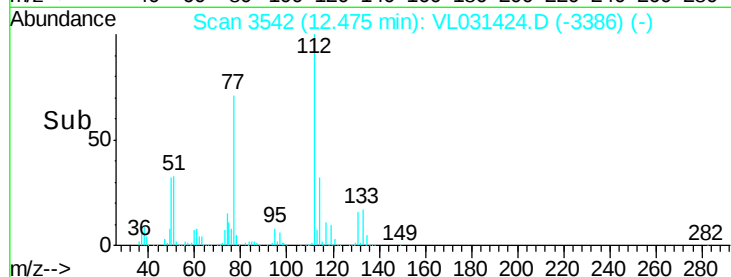
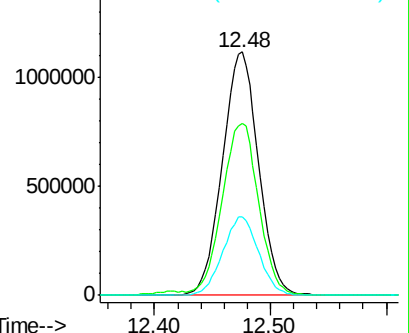
114 32.3 29.1 35.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.76 ppbv

RT: 13.03 min Scan# 3716

Delta R.T. -0.00 min

Lab File: VL031424.D

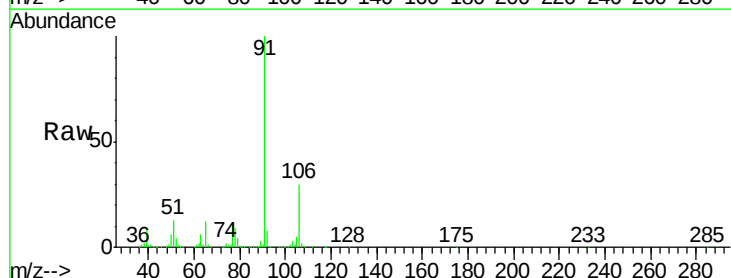
Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 4345672

Ion Ratio Lower Upper

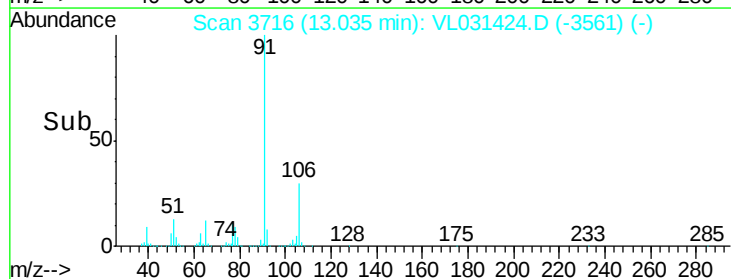
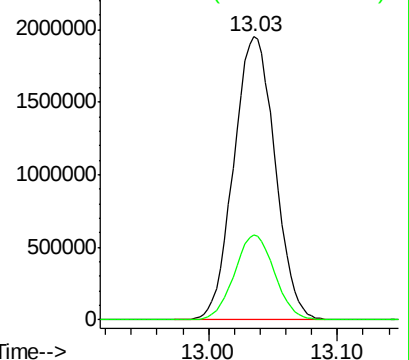
91 100

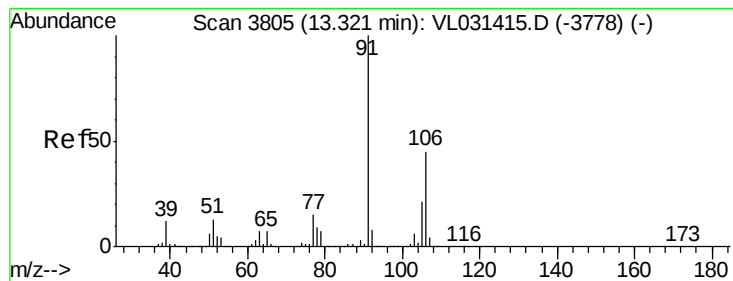
106 29.8 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.99 ppbv

RT: 13.32 min Scan# 3805

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

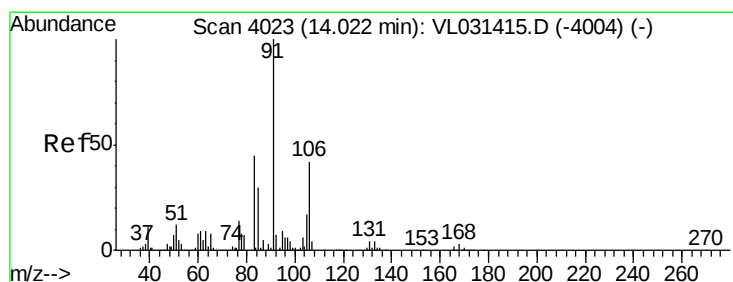
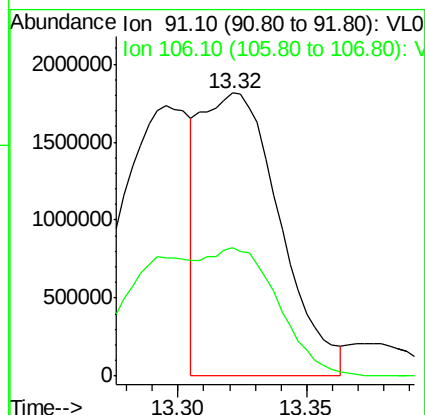
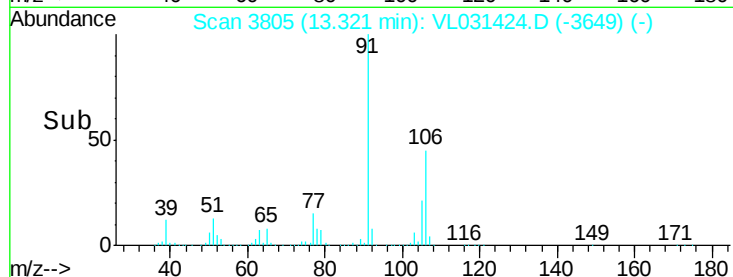
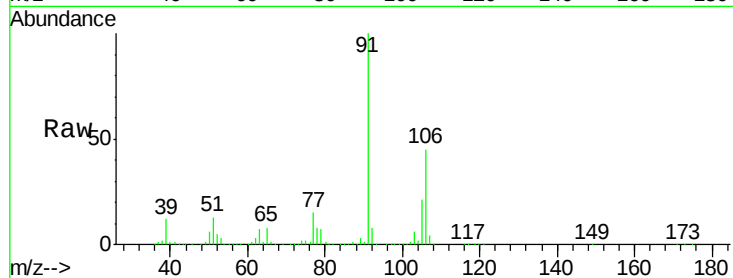
VL0122ABS01

Tgt Ion: 91 Resp: 3831412

Ion Ratio Lower Upper

91 100

106 82.4 35.6 53.4#



#60

o-Xylene

Concen: 7.67 ppbv

RT: 14.03 min Scan# 4024

Delta R.T. 0.00 min

Lab File: VL031424.D

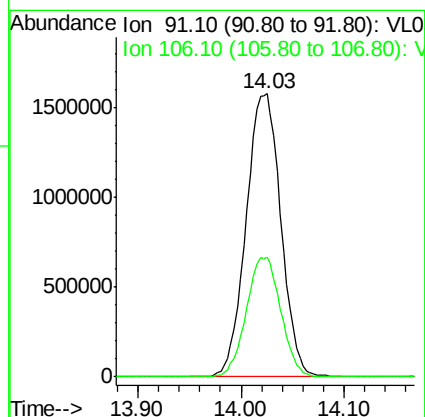
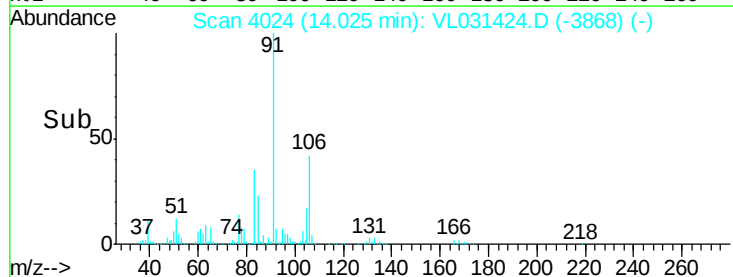
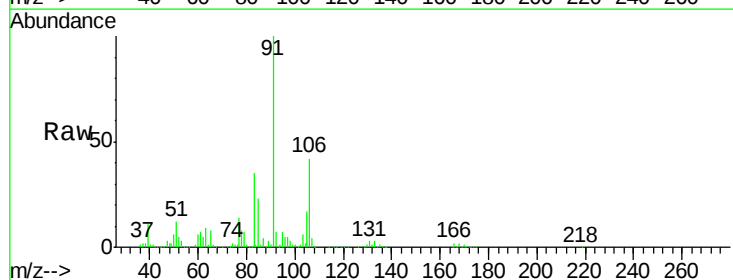
Acq: 22 Jan 2018 20:34

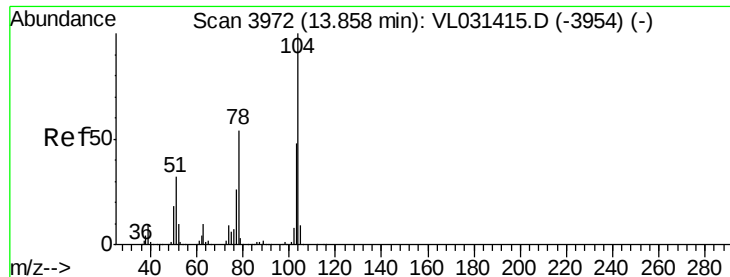
Tgt Ion: 91 Resp: 3676512

Ion Ratio Lower Upper

91 100

106 42.0 21.3 64.0

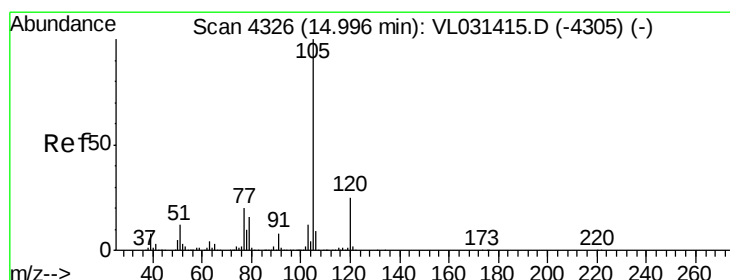
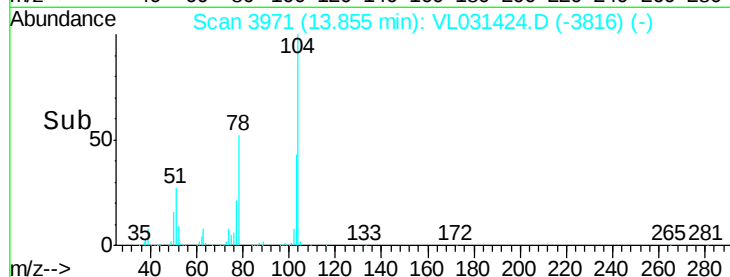
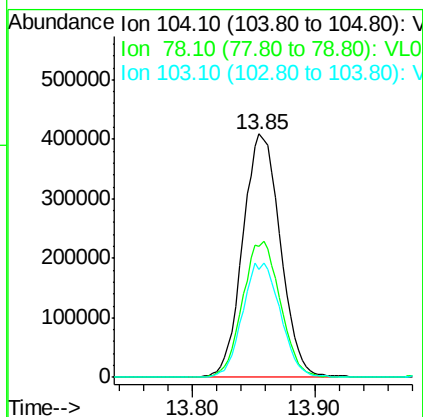
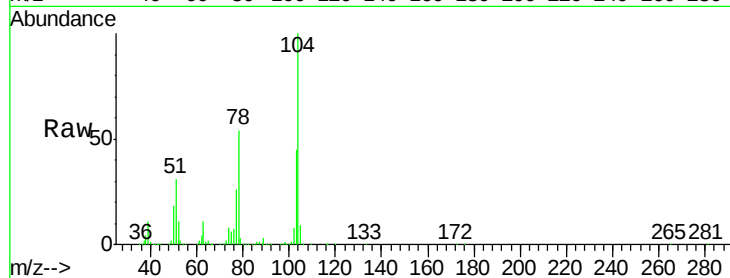




#61
Styrene
Concen: 8.33 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

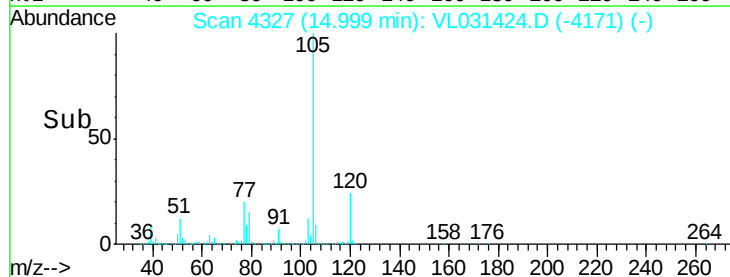
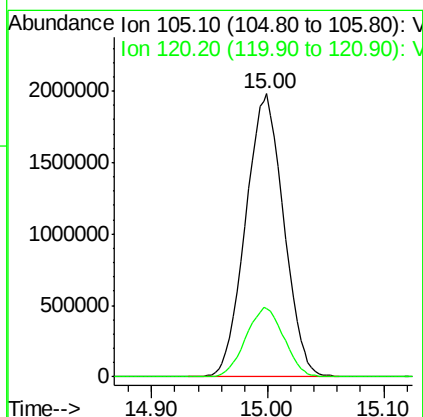
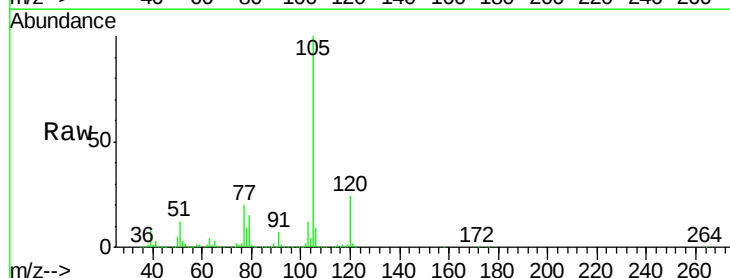
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

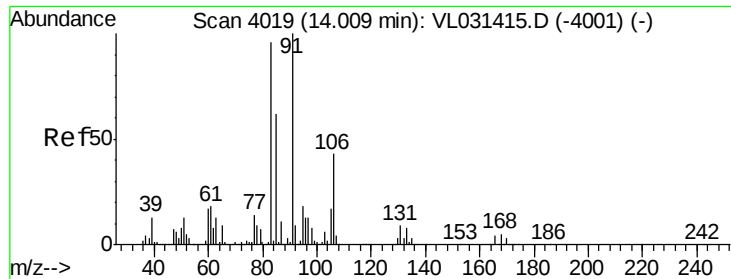
Tgt Ion:104 Resp: 867642
Ion Ratio Lower Upper
104 100
78 56.4 45.4 68.0
103 47.6 38.6 57.8



#62
Isopropylbenzene
Concen: 7.52 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion:105 Resp: 4520759
Ion Ratio Lower Upper
105 100
120 24.7 19.9 29.9

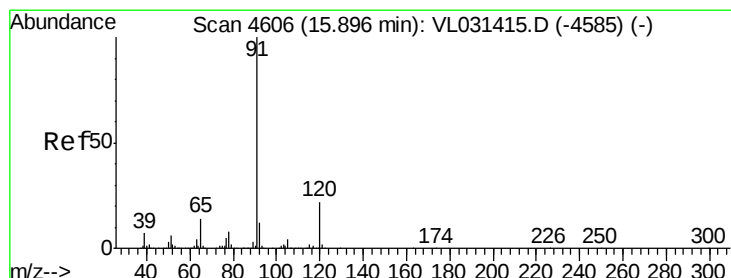
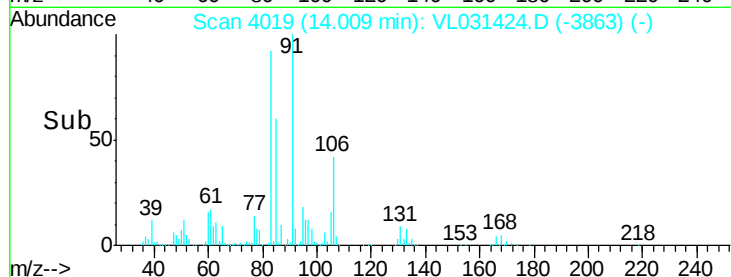
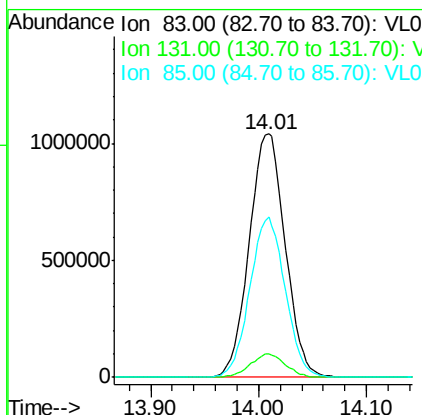
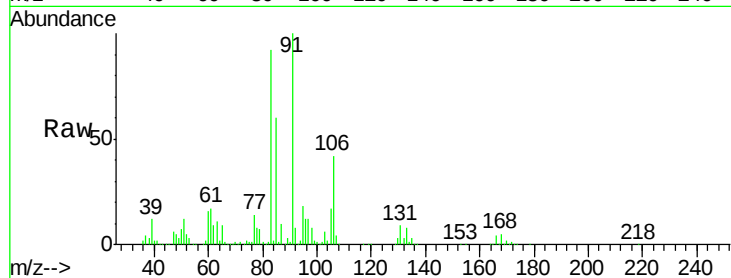




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.30 ppbv
 RT: 14.01 min Scan# 4019
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

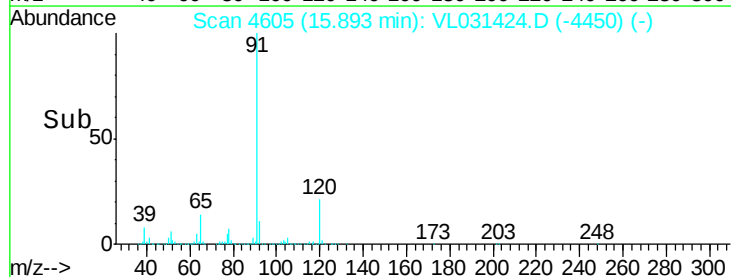
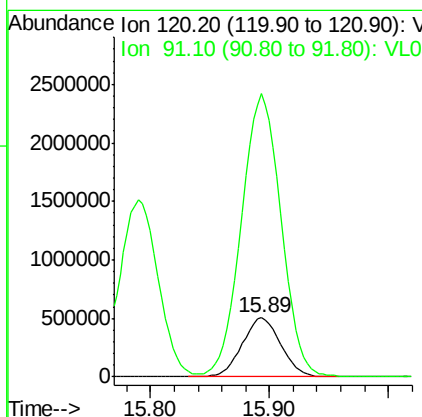
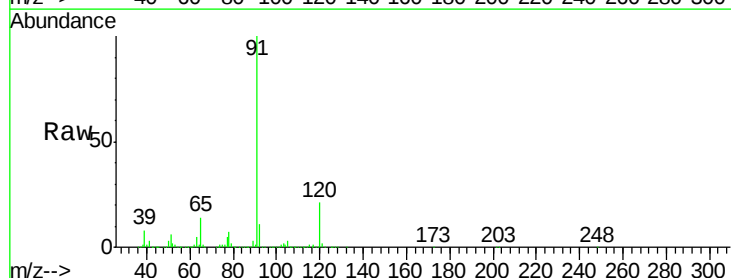
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

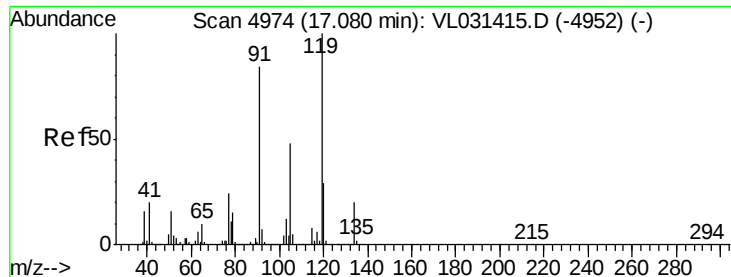
Tgt Ion: 83 Resp: 2409916
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 64.9 32.4 97.0



#64
 n-propylbenzene
 Concen: 7.59 ppbv
 RT: 15.89 min Scan# 4605
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 120 Resp: 1132343
 Ion Ratio Lower Upper
 120 100
 91 493.2 389.8 584.6

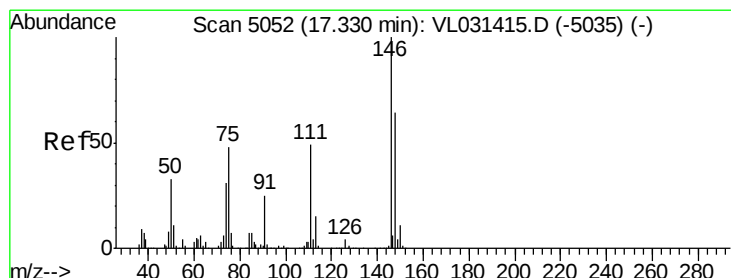
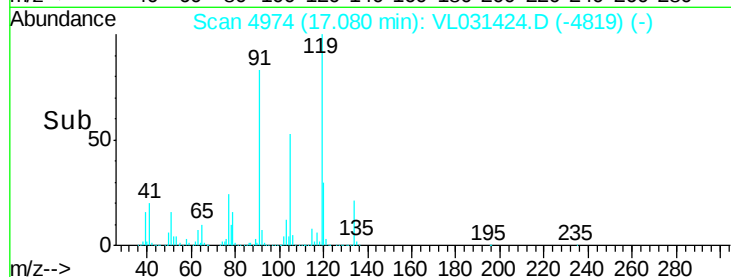
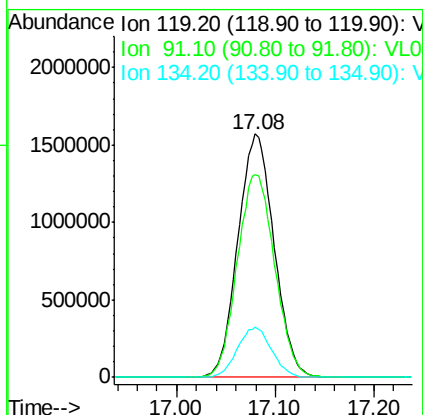
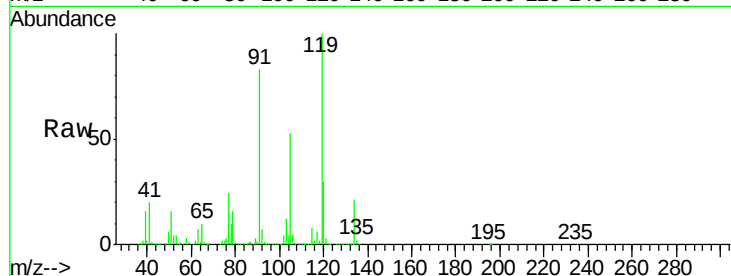




#65
tert-Butylbenzene
Concen: 7.51 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

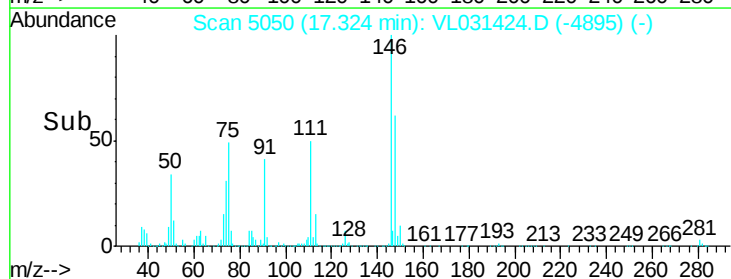
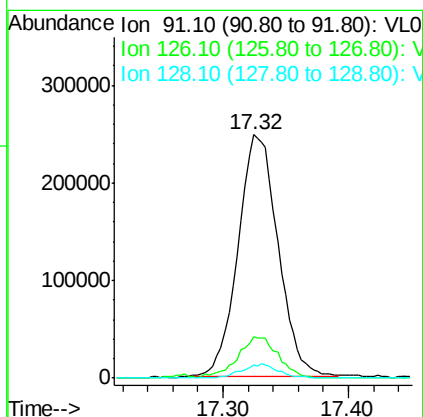
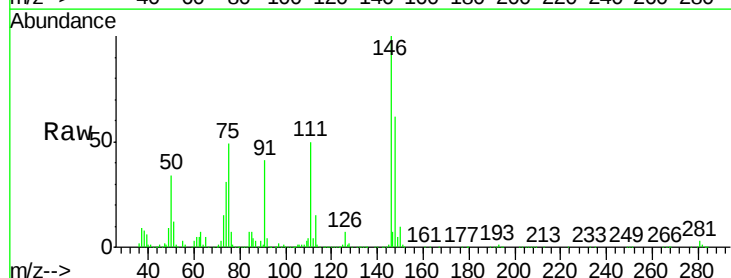
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

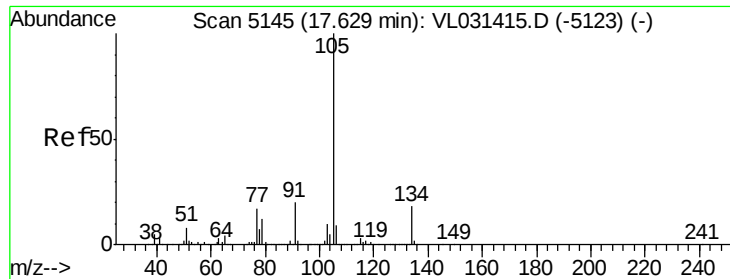
Tgt Ion: 119 Resp: 3986185
Ion Ratio Lower Upper
119 100
91 86.7 69.0 103.6
134 19.5 15.7 23.5



#66
Benzyl Chloride
Concen: 10.43 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 552851
Ion Ratio Lower Upper
91 100
126 18.3 13.8 20.8
128 5.4 4.6 6.8

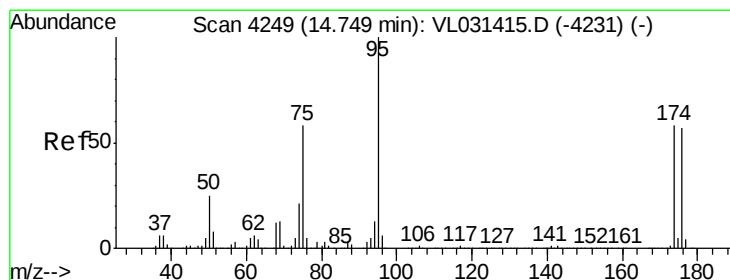
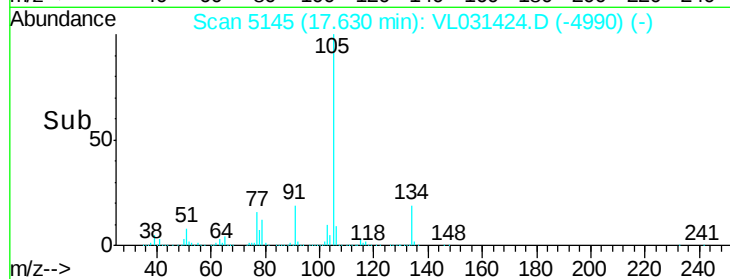
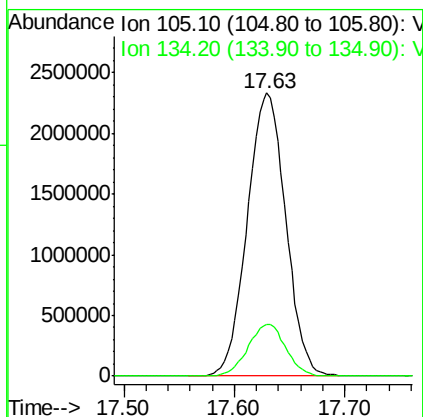
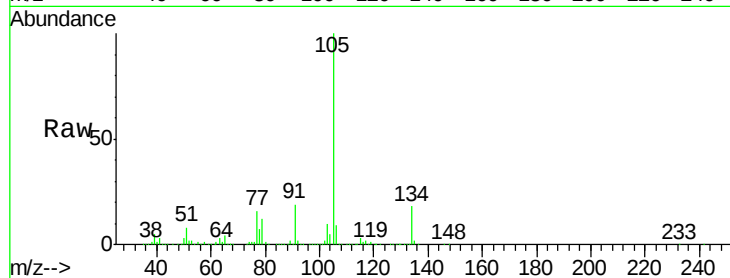




#67
 sec-Butylbenzene
 Concen: 7.61 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

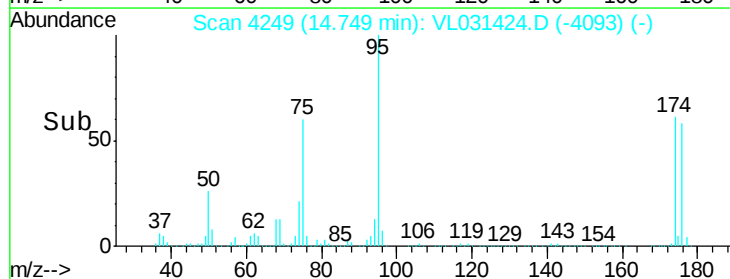
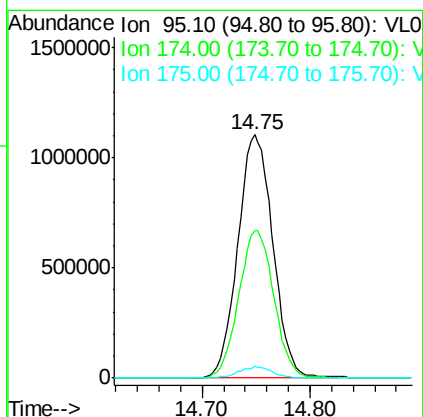
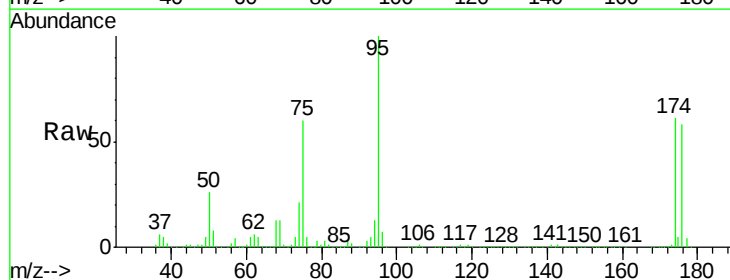
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

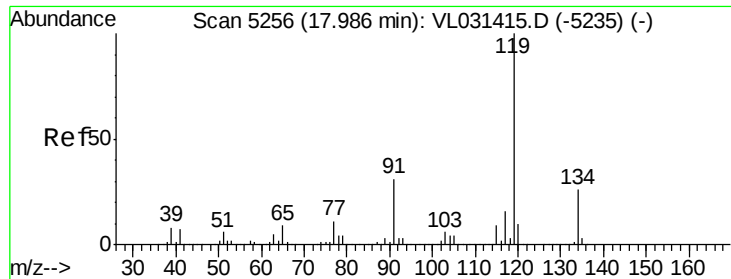
Tgt Ion:105 Resp: 5642466
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.5 21.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.15 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 95 Resp: 2495853
 Ion Ratio Lower Upper
 95 100
 174 61.4 48.2 72.4
 175 4.5 3.6 5.4

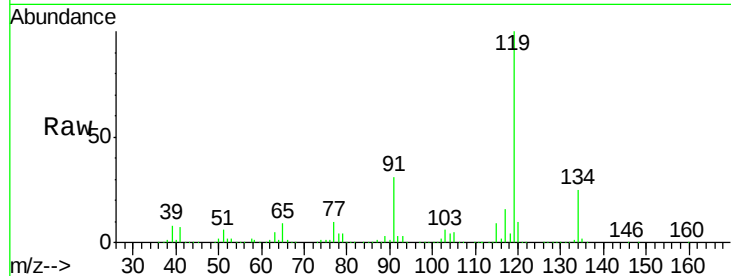




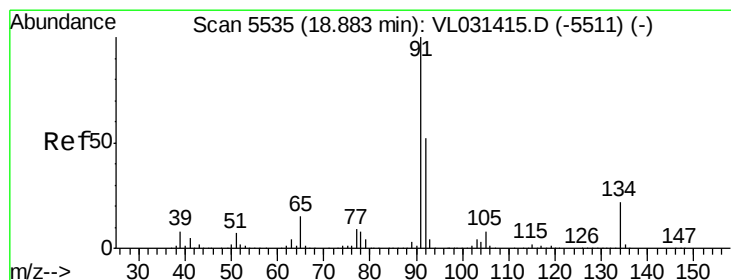
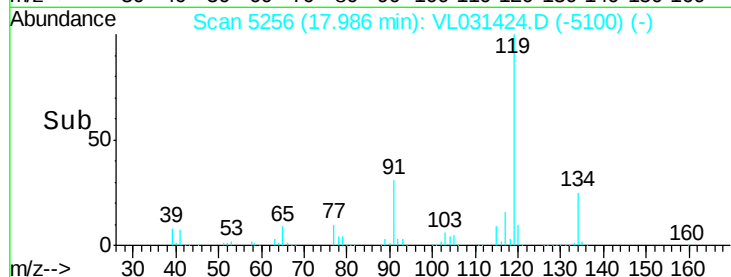
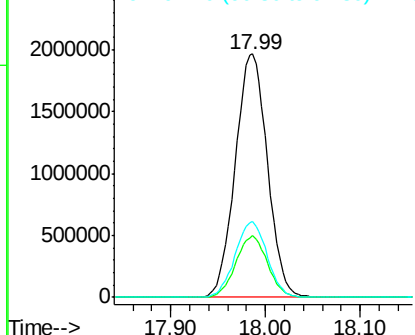
#69
p-Isopropyltoluene
Concen: 7.79 ppbv
RT: 17.99 min Scan# 5256
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tgt Ion: 119 Resp: 4643010
Ion Ratio Lower Upper
119 100
134 24.9 20.2 30.4
91 30.9 25.0 37.4

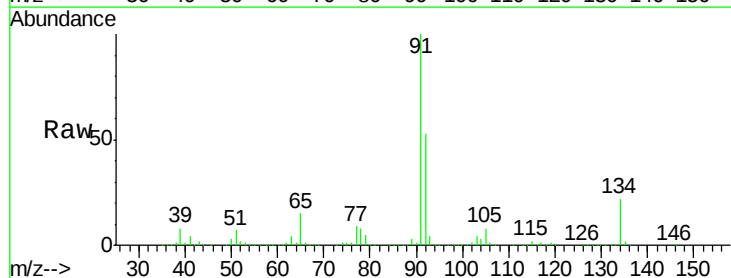


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

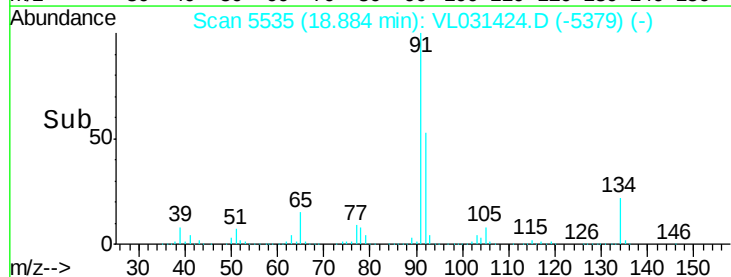
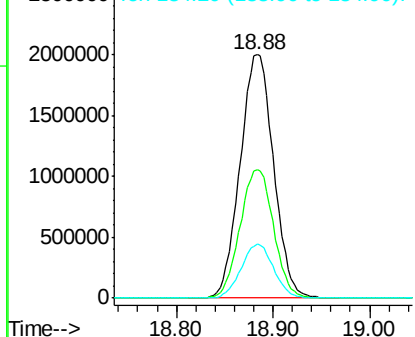


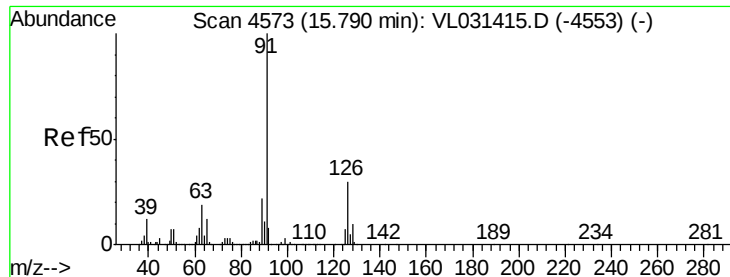
#70
n-Butylbenzene
Concen: 7.76 ppbv
RT: 18.88 min Scan# 5535
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 4805801
Ion Ratio Lower Upper
91 100
92 53.0 42.2 63.4
134 21.6 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: 7.65 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

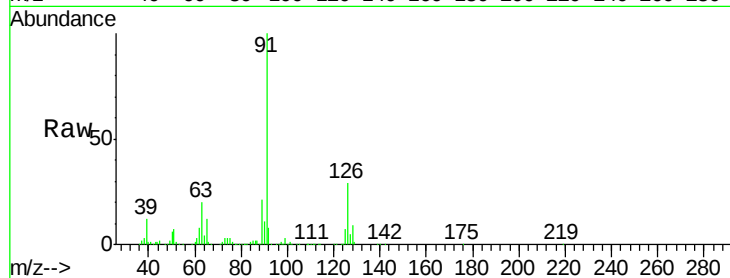
VL0122ABS01

Tgt Ion: 91 Resp: 3473069

Ion Ratio Lower Upper

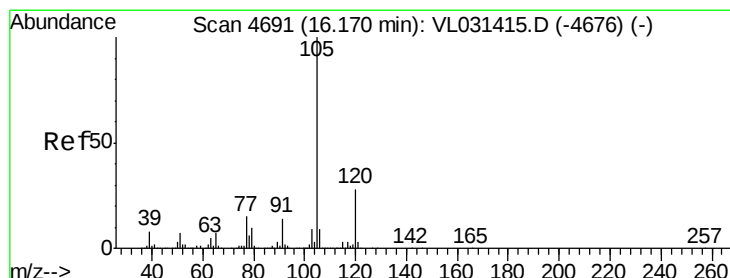
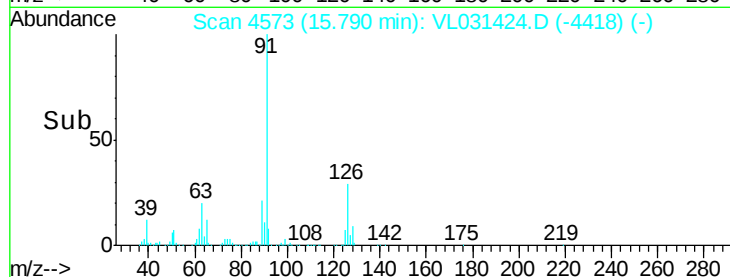
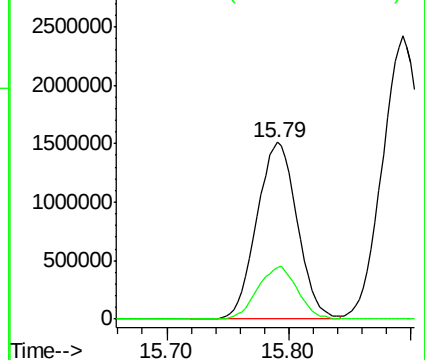
91 100

126 29.3 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.80 ppbv

RT: 16.17 min Scan# 4691

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion: 105 Resp: 3782729

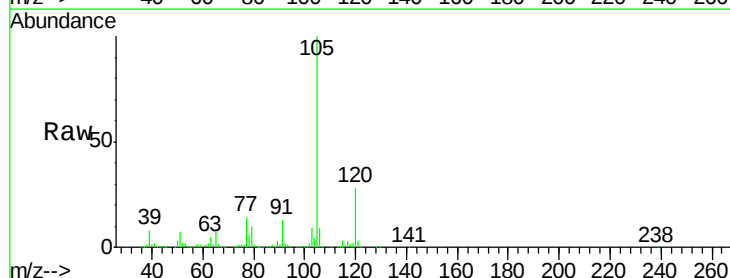
Ion Ratio Lower Upper

105 100

120 28.3 23.0 34.6

91 13.8 11.0 16.4

77 14.8 12.3 18.5

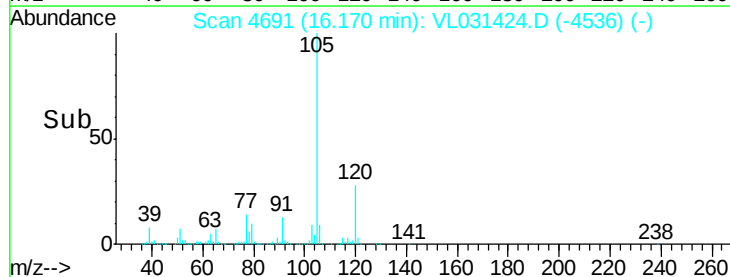
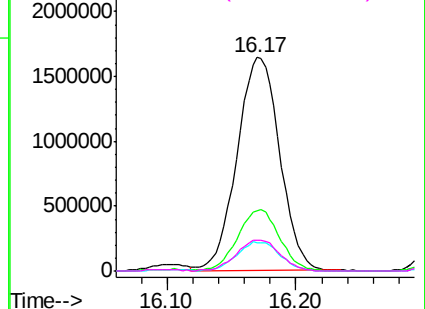


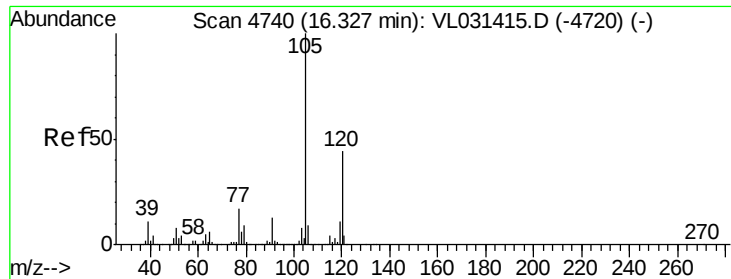
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

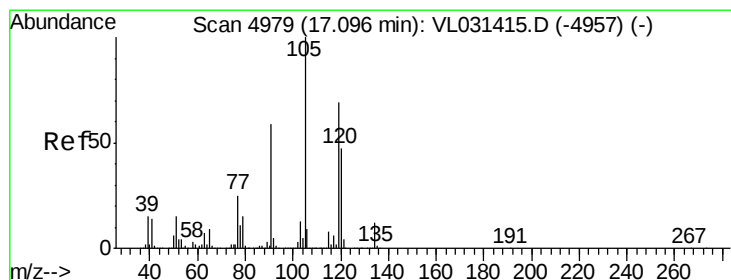
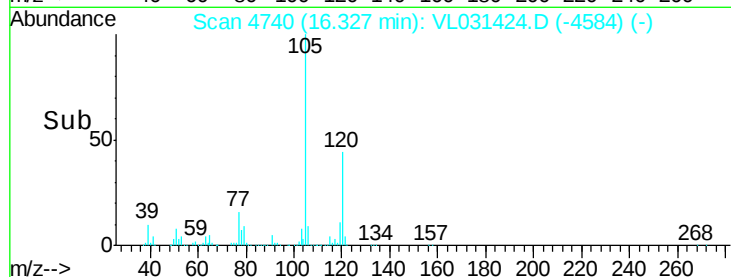
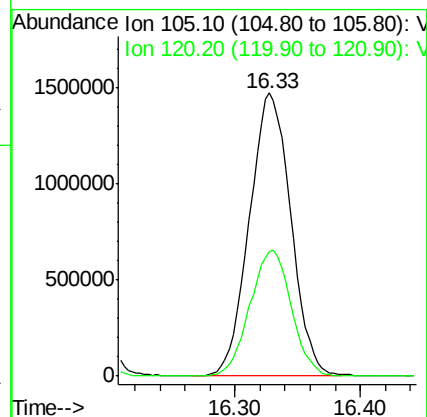
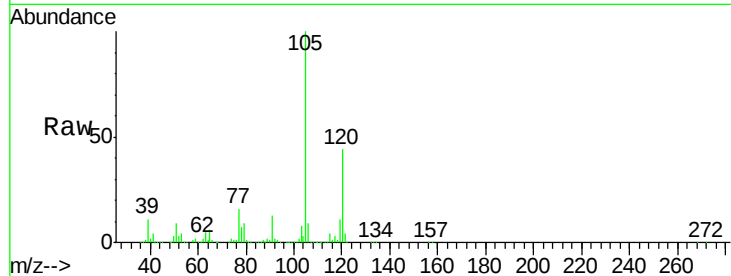




#73
 1,3,5-Trimethylbenzene
 Concen: 7.63 ppbv
 RT: 16.33 min Scan# 4740
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

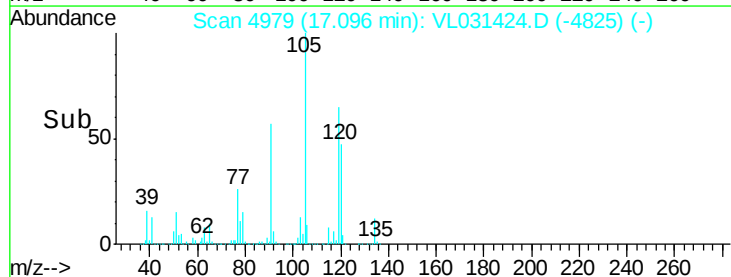
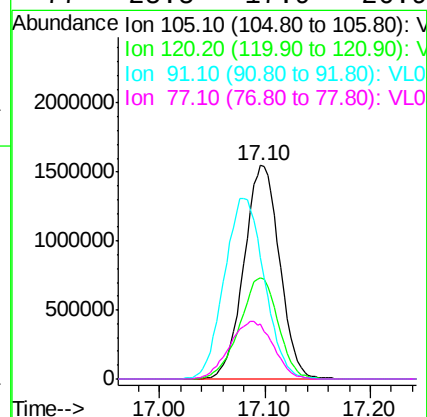
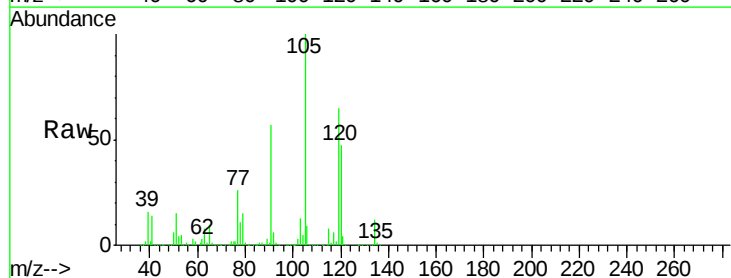
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

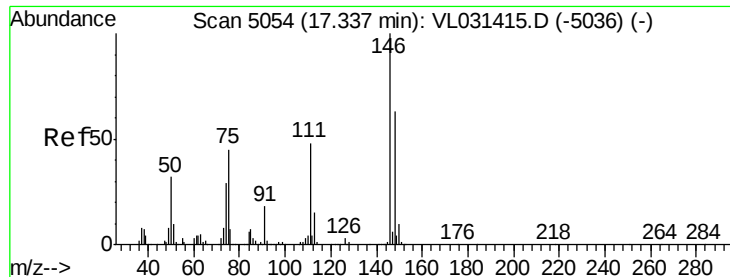
Tgt Ion:105 Resp: 3364049
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.8 53.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.43 ppbv
 RT: 17.10 min Scan# 4979
 Delta R.T. -0.01 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion:105 Resp: 3626961
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.0 55.6
 91 56.6 35.1 52.7#
 77 25.5 17.9 26.9





#75

1,3-Dichlorobenzene

Concen: 7.46 ppbv

RT: 17.34 min Scan# 5055

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

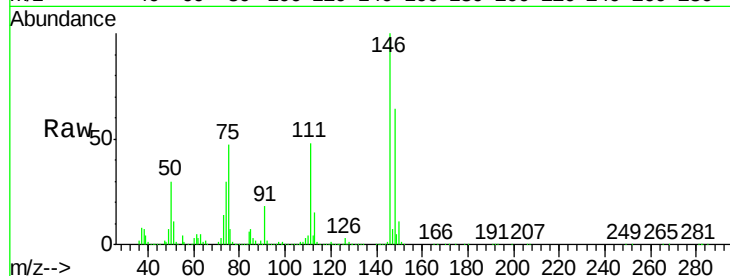
Tgt Ion:146 Resp: 2262924

Ion Ratio Lower Upper

146 100

111 48.2 24.2 72.6

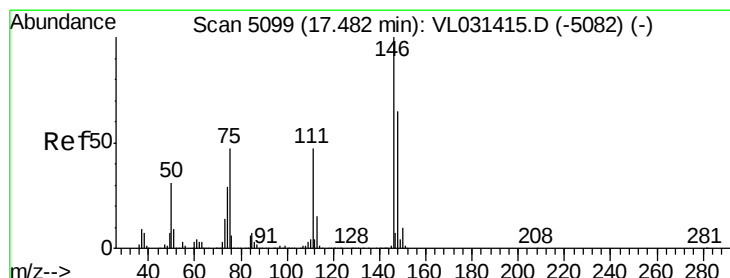
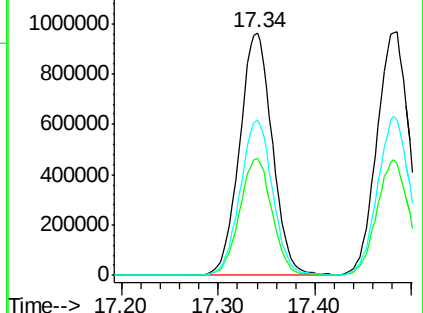
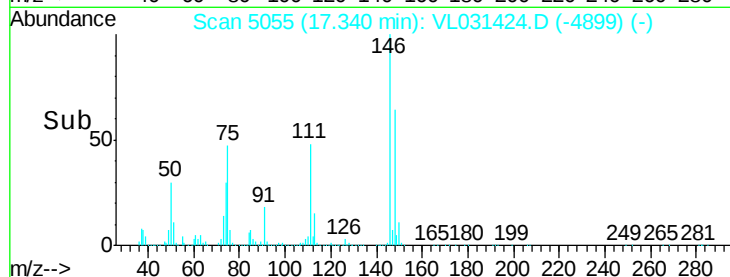
148 63.9 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 7.64 ppbv

RT: 17.48 min Scan# 5100

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

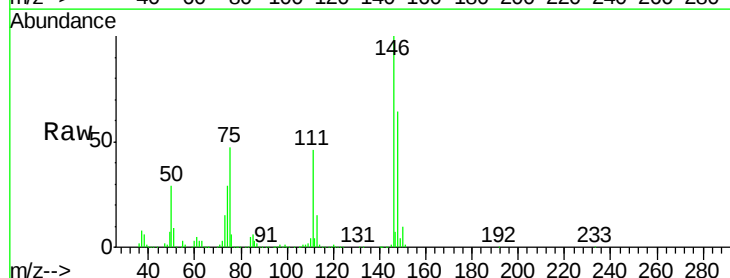
Tgt Ion:146 Resp: 2269804

Ion Ratio Lower Upper

146 100

111 46.8 23.3 69.9

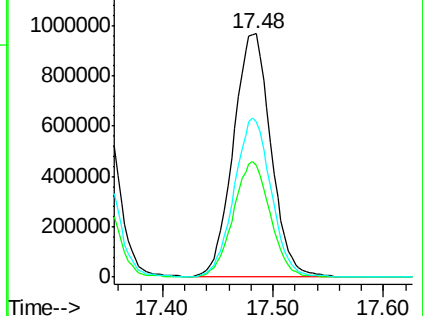
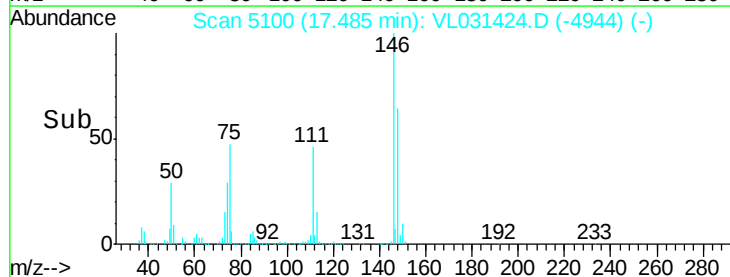
148 64.6 32.4 97.2

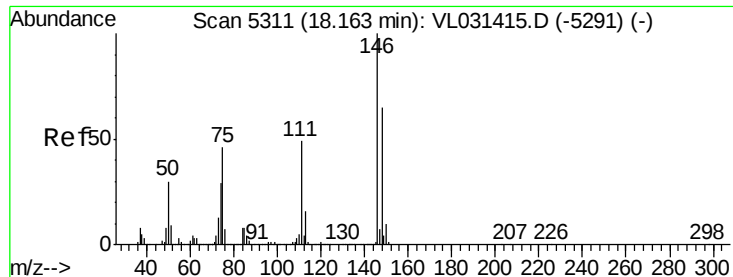


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.49 ppbv

RT: 18.16 min Scan# 5311

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

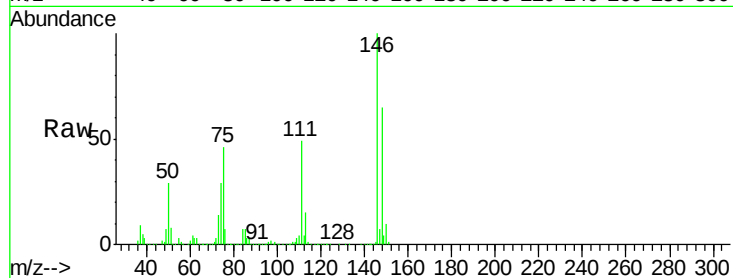
Tgt Ion:146 Resp: 2200217

Ion Ratio Lower Upper

146 100

111 49.6 24.6 74.0

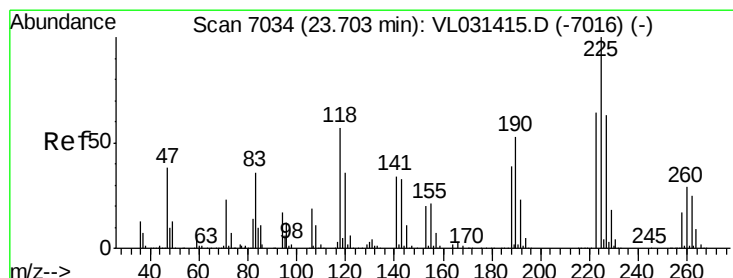
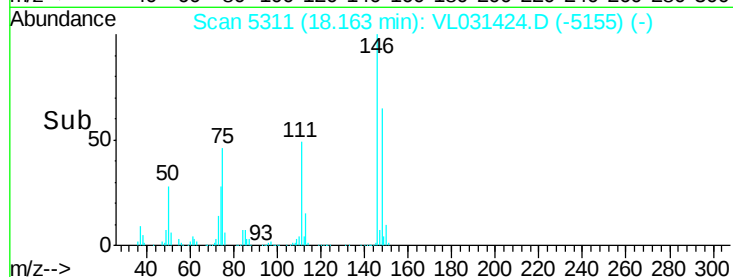
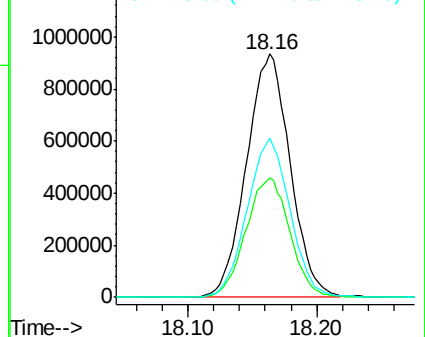
148 64.5 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 5.85 ppbv

RT: 23.71 min Scan# 7035

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

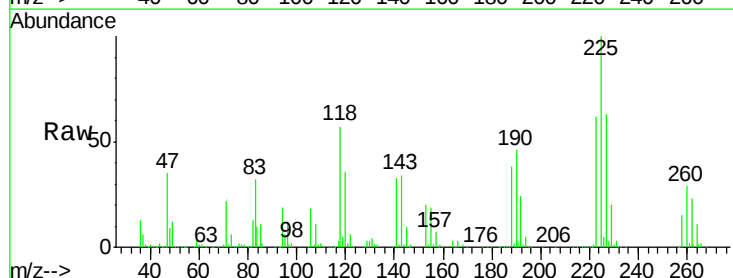
Tgt Ion:225 Resp: 604855

Ion Ratio Lower Upper

225 100

223 63.2 51.3 76.9

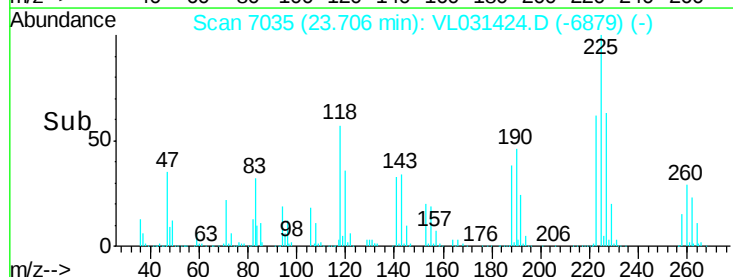
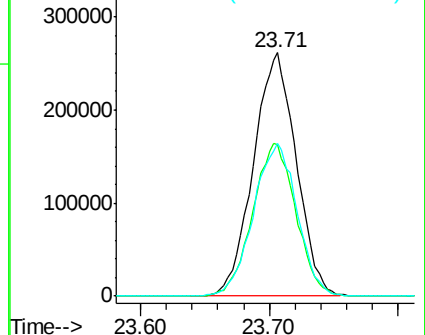
227 64.0 50.7 76.1

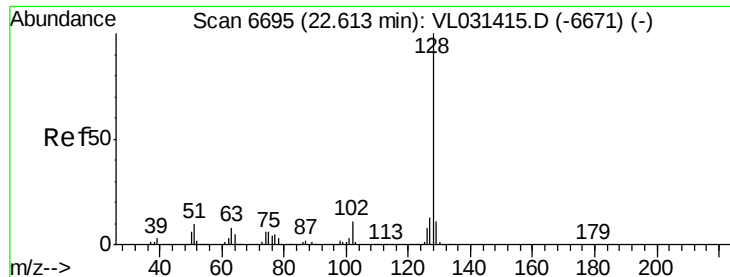


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.01 ppbv

RT: 22.61 min Scan# 6694

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

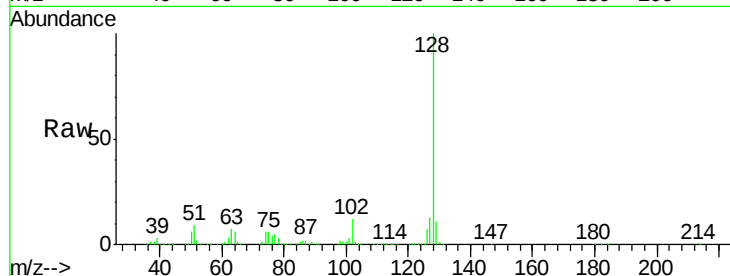
Tgt Ion:128 Resp: 2408655

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

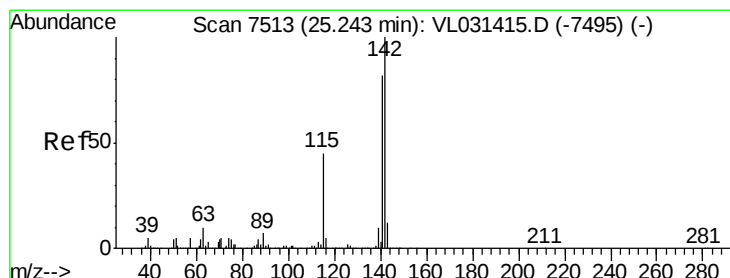
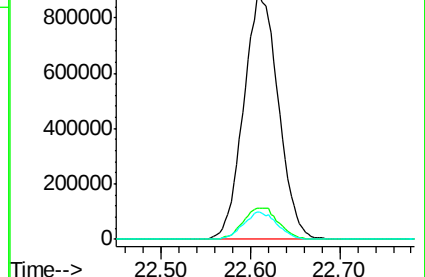
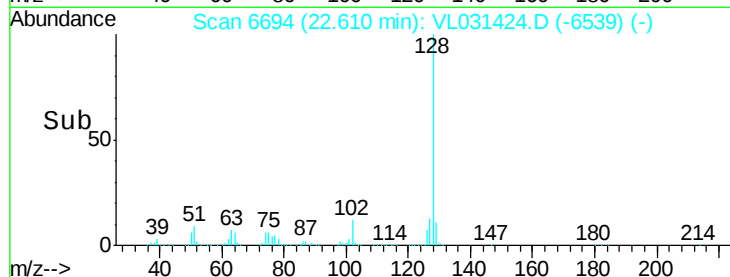
129 11.2 9.2 13.8



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: 6.40 ppbv

RT: 25.25 min Scan# 7514

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

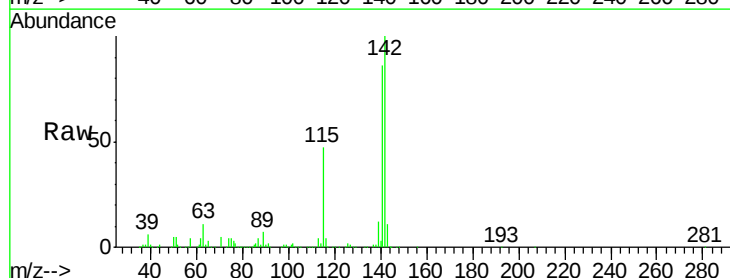
Tgt Ion:142 Resp: 536931

Ion Ratio Lower Upper

142 100

141 86.5 68.7 103.1

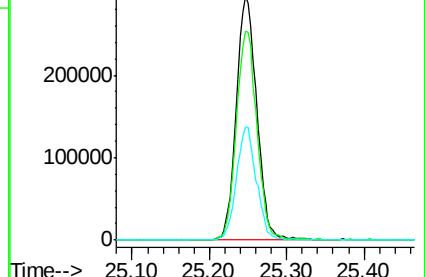
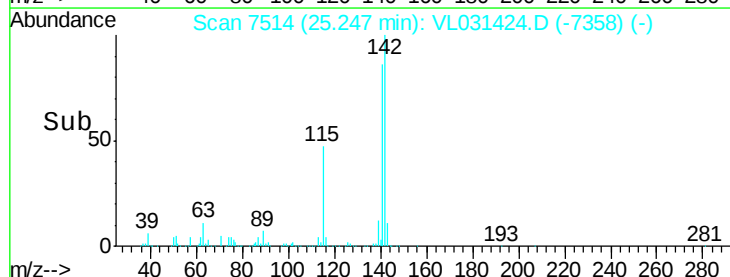
115 44.9 36.3 54.5

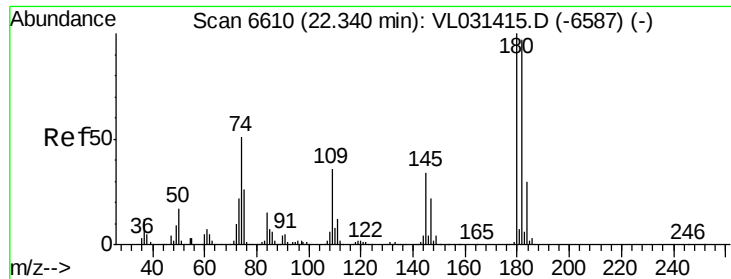


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.90 ppbv
 RT: 22.34 min Scan# 6610
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tgt Ion:180 Resp: 1109336
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 184 30.6 24.2 36.4

