

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033071.D
 Acq On : 4 Jan 2019 17:06
 Operator : SY/AP
 Sample : VL0103ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Quant Time: Jan 05 01:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1135221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2839221	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3479881	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2144912	8.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2564455	12.139	ppbv	99
3) Chlorodifluoromethane	3.02	51	1409454	10.968	ppbv	99
4) Chloromethane	3.17	50	763302	10.371	ppbv	99
5) Vinyl Chloride	3.29	62	788027	10.601	ppbv	98
6) Bromomethane	3.52	94	512811	10.155	ppbv	99
7) Chloroethane	3.60	64	280079	9.635	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	2029687	11.153	ppbv	100
9) Propene	3.04	41	544053	11.333	ppbv	99
10) Heptane	8.25	43	1330483	9.734	ppbv	99
11) Trichlorofluoromethane	4.01	101	1969147	8.435	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1318717	8.934	ppbv	100
13) Ethanol	3.65	45	146638	7.660	ppbv	94
14) Bromoethene	3.79	108	615308	9.438	ppbv	97
15) Acetone	3.90	43	1258080	8.006	ppbv	100
16) 1,3-Butadiene	3.37	39	618522	10.439	ppbv	93
17) tert-Butyl alcohol	4.36	59	316357	9.504	ppbv	99
18) 1,1-Dichloroethene	4.35	96	602201	8.856	ppbv	98
19) Isopropyl Alcohol	4.02	45	923798	8.540	ppbv	100
20) Methylene Chloride	4.41	84	518552	7.916	ppbv	97
21) Allyl Chloride	4.48	41	931985	9.571	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	590202	8.757	ppbv	98
23) Vinyl Acetate	5.16	43	1868064	9.345	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1452919	8.561	ppbv	100
25) Ethyl Acetate	5.77	43	2293211	8.634	ppbv	99
26) Hexane	5.78	57	1068716	8.546	ppbv	99
27) Carbon Disulfide	4.62	76	1512788	9.808	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1806087	9.252	ppbv	99
29) Chloroform	5.86	83	1856083	8.709	ppbv	99
30) Cyclohexane	7.25	84	927333	9.945	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1100791	9.479	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1897285	8.772	ppbv	99
34) 2-Butanone	5.33	43	1434980	8.699	ppbv	100
35) Carbon Tetrachloride	7.14	117	2131426	8.740	ppbv	99
36) Benzene	7.01	78	2168130	9.322	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1425014	8.776	ppbv	100
38) Trichloroethene	7.97	130	923928	9.657	ppbv	98
39) 1,2-Dichloropropane	7.74	63	803589	9.197	ppbv	97
40) 1,4-Dioxane	7.96	88	316824	9.553	ppbv	94
41) Tetrahydrofuran	6.15	42	807339	9.615	ppbv	100
42) Bromodichloromethane	7.92	83	2020390	9.057	ppbv	98
43) Methyl Methacrylate	8.14	69	900952	10.324	ppbv	100

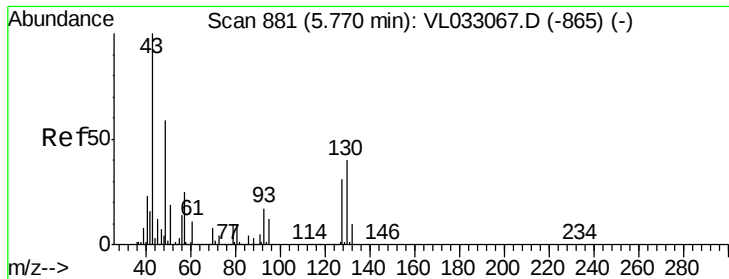
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033071.D
 Acq On : 4 Jan 2019 17:06
 Operator : SY/AP
 Sample : VL0103ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Quant Time: Jan 05 01:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3692764	9.376	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1219580	11.227	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1407844	11.355	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	937228	9.182	ppbv	98
48) Dibromochloromethane	10.46	129	1773946	9.836	ppbv	100
49) Bromoform	13.21	173	1530870	9.715	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2121500	10.149	ppbv	100
51) 2-Hexanone	10.28	43	1623577	10.735	ppbv #	99
52) Tetrachloroethene	11.38	164	814834	9.912	ppbv	99
53) Toluene	9.95	91	2592591	10.402	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1483261	10.085	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1267407	7.049	ppbv	100
57) Chlorobenzene	12.31	112	2047553	7.049	ppbv	99
58) Ethyl Benzene	12.87	91	3580719	8.150	ppbv	99
59) m/p-Xylene	13.13	91	2969669	7.306	ppbv #	100
60) o-Xylene	13.86	91	3009604	7.564	ppbv	100
61) Styrene	13.69	104	2218154	8.737	ppbv	100
62) Isopropylbenzene	14.83	105	4244550	7.496	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2068654	6.999	ppbv	100
64) n-propylbenzene	15.73	120	1080417	7.511	ppbv	98
65) tert-Butylbenzene	16.92	119	3747397	7.471	ppbv	99
66) Benzyl Chloride	17.16	91	2298484	8.040	ppbv	99
67) sec-Butylbenzene	17.47	105	5247846	7.311	ppbv	100
69) p-Isopropyltoluene	17.82	119	4326710	7.427	ppbv	100
70) n-Butylbenzene	18.72	91	4330808	7.395	ppbv	100
71) 2-Chlorotoluene	15.62	91	3141628	7.823	ppbv	99
72) 4-Ethyltoluene	16.01	105	3466709	7.928	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3288817	7.623	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3410152	7.137	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1902609	6.765	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	1861702	7.266	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1799232	7.103	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	991006	5.094	ppbv	100
79) Naphthalene	22.42	128	3226748	8.017	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1237902	10.135	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1488165	7.654	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

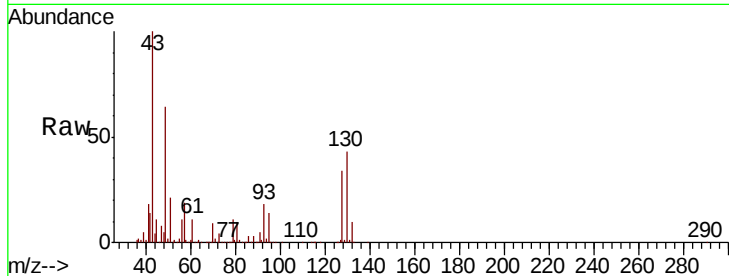
Tgt Ion: 49 Resp: 1135221

Ion Ratio Lower Upper

49 100

128 52.3 26.2 78.5

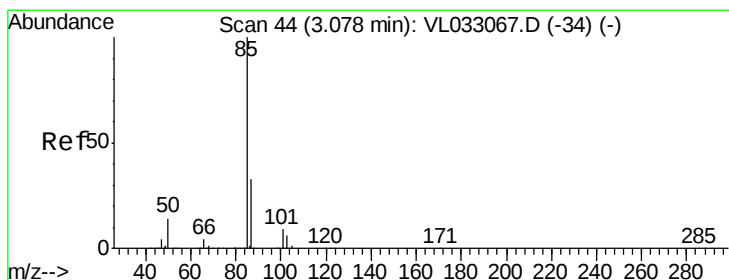
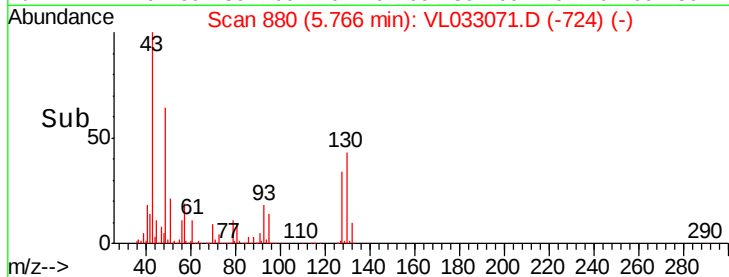
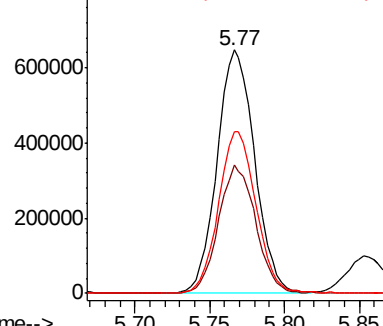
130 66.4 33.6 100.6



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: 12.139 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033071.D

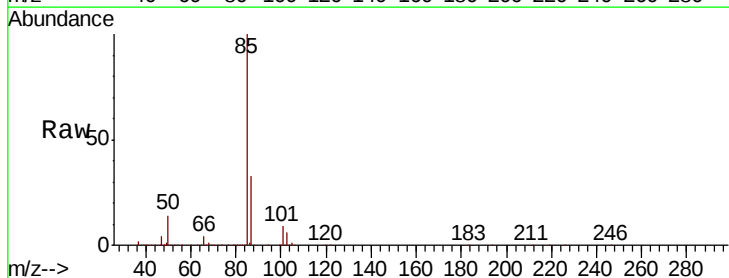
Acq: 4 Jan 2019 17:06

Tgt Ion: 85 Resp: 2564455

Ion Ratio Lower Upper

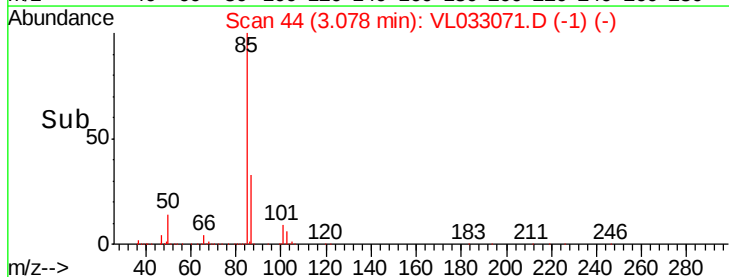
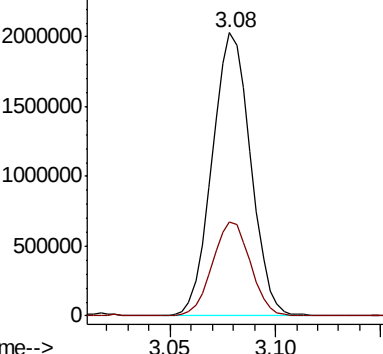
85 100

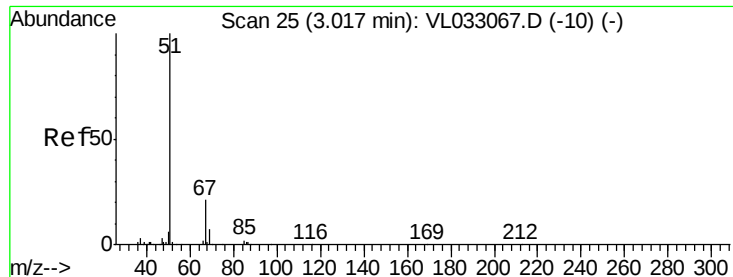
87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.968 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

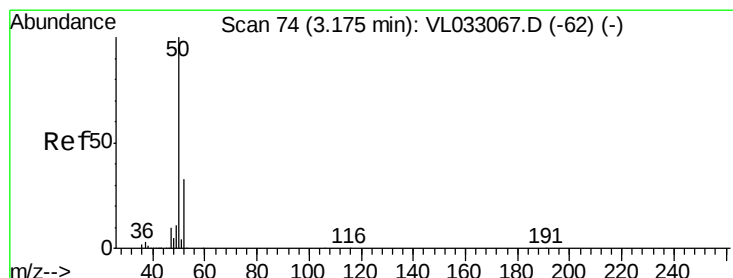
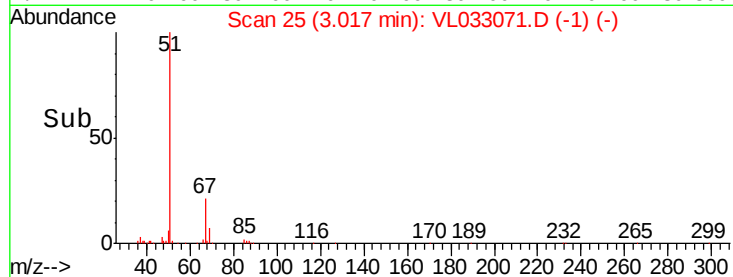
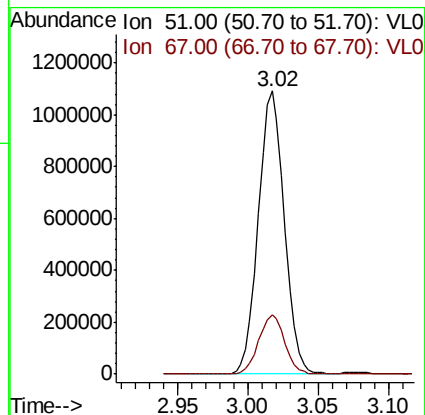
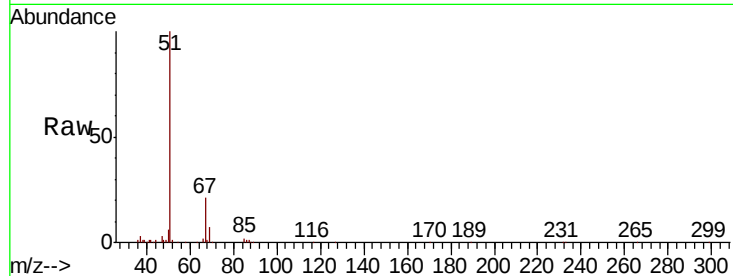
VL0104ABS01

Tgt Ion: 51 Resp: 1409454

Ion Ratio Lower Upper

51 100

67 20.9 16.3 24.5



#4

Chloromethane

Concen: 10.371 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033071.D

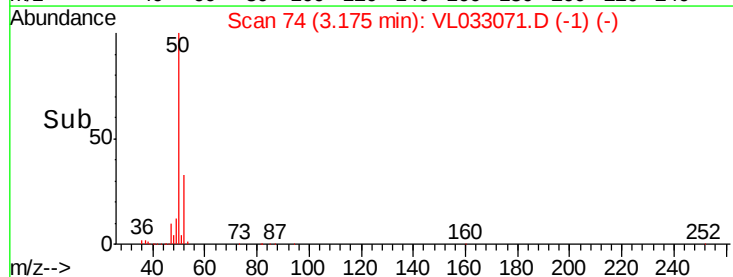
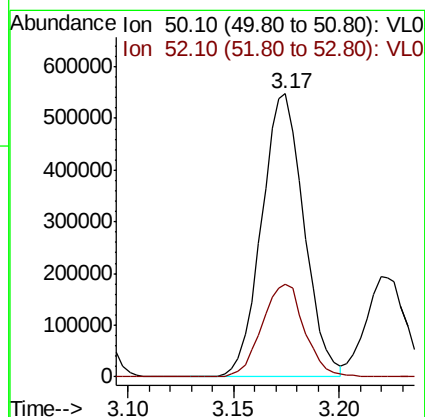
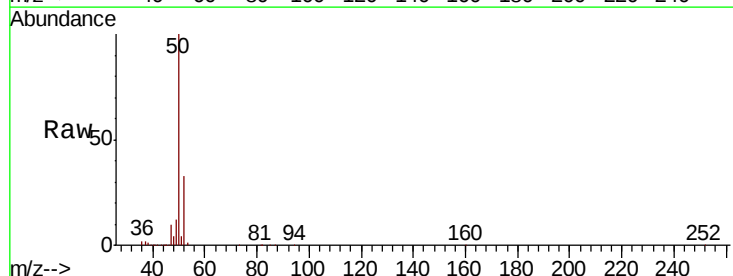
Acq: 4 Jan 2019 17:06

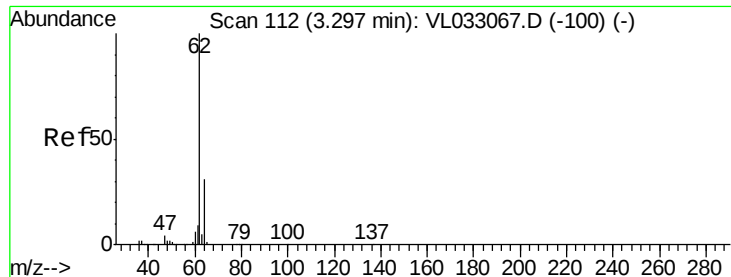
Tgt Ion: 50 Resp: 763302

Ion Ratio Lower Upper

50 100

52 32.8 26.9 40.3





#5

Vinyl Chloride

Concen: 10.601 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

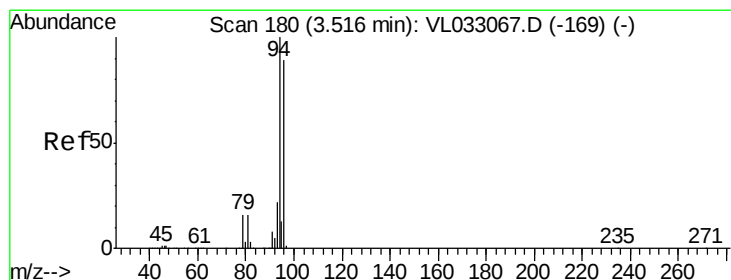
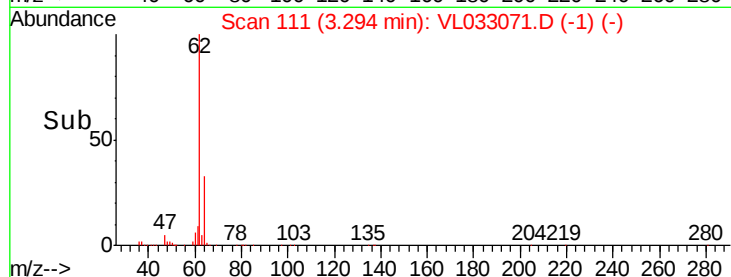
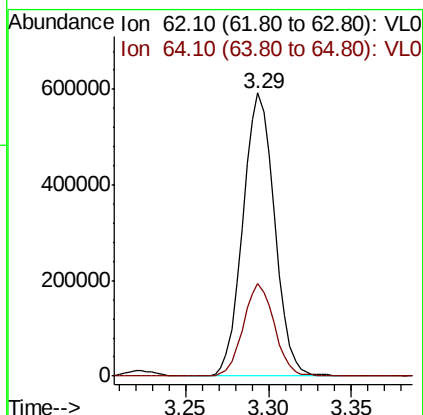
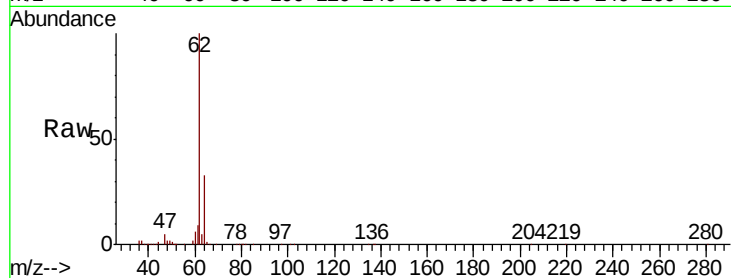
VL0104ABS01

Tgt Ion: 62 Resp: 788027

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9



#6

Bromomethane

Concen: 10.155 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033071.D

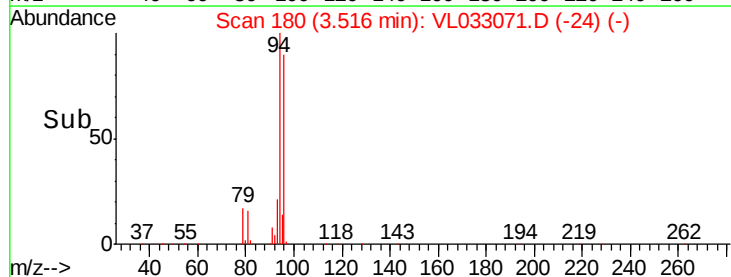
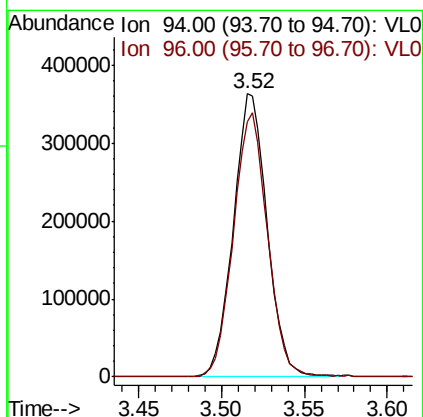
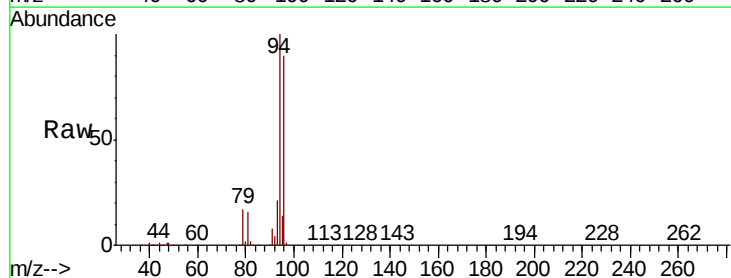
Acq: 4 Jan 2019 17:06

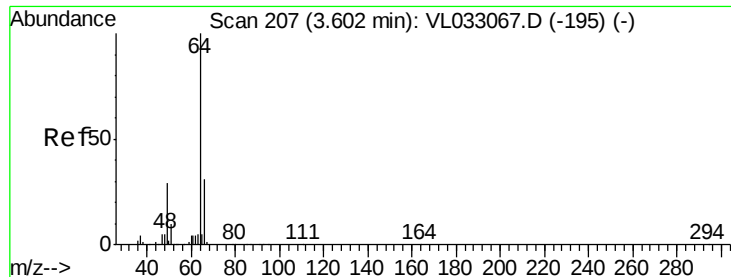
Tgt Ion: 94 Resp: 512811

Ion Ratio Lower Upper

94 100

96 90.1 72.8 109.2





#7

Chloroethane

Concen: 9.635 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

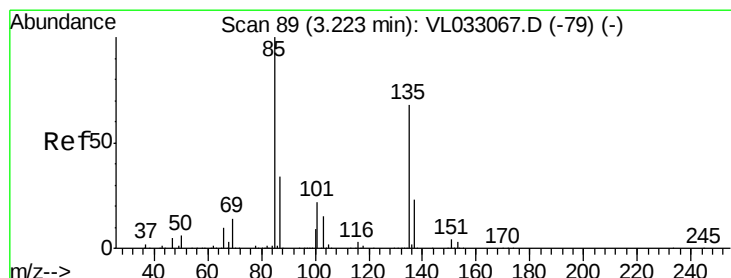
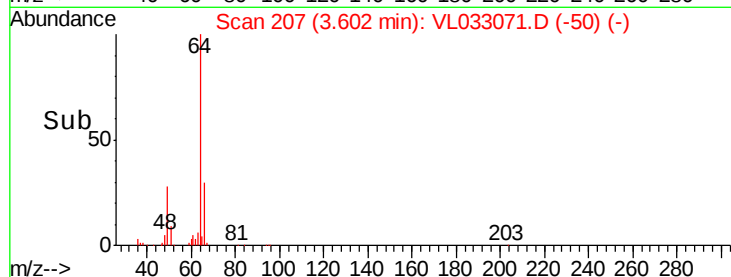
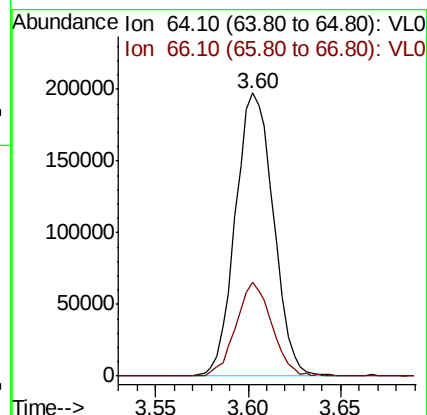
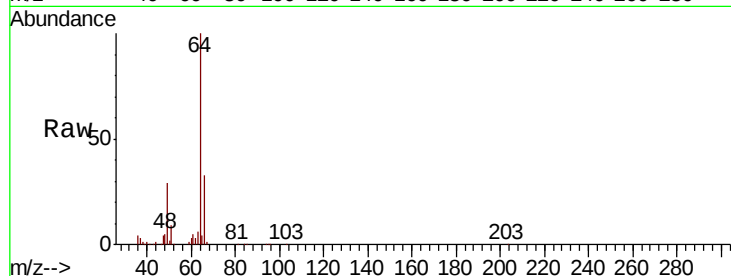
VL0104ABS01

Tgt Ion: 64 Resp: 280079

Ion Ratio Lower Upper

64 100

66 33.2 23.7 35.5



#8

Dichlorotetrafluoroethane

Concen: 11.153 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033071.D

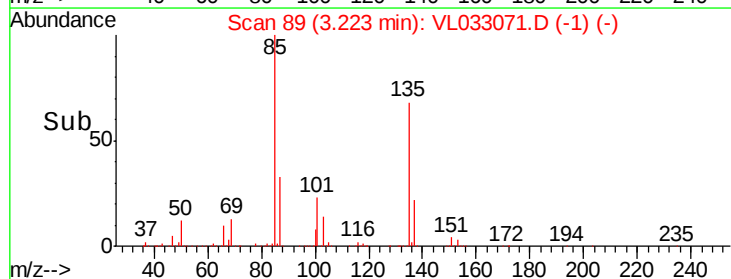
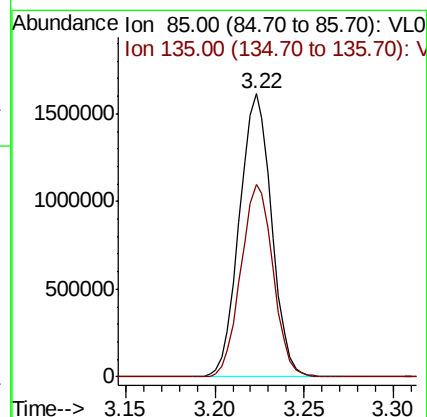
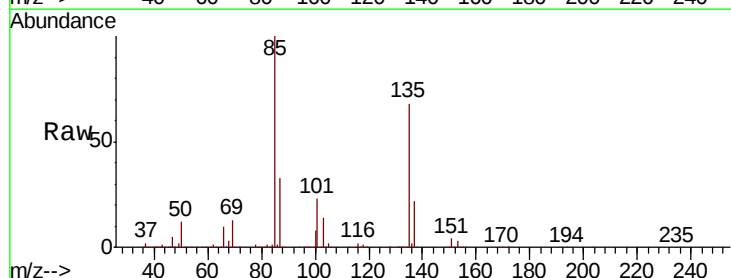
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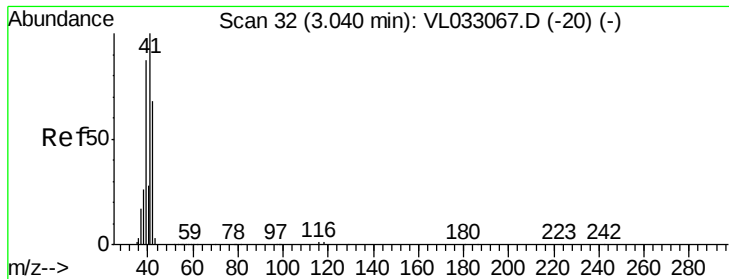
Tgt Ion: 85 Resp: 2029687

Ion Ratio Lower Upper

85 100

135 68.5 54.9 82.3





#9

Propene

Concen: 11.333 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

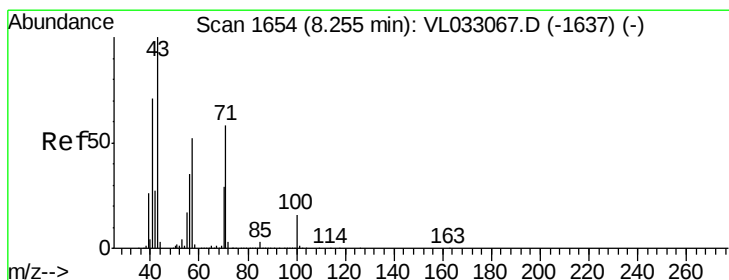
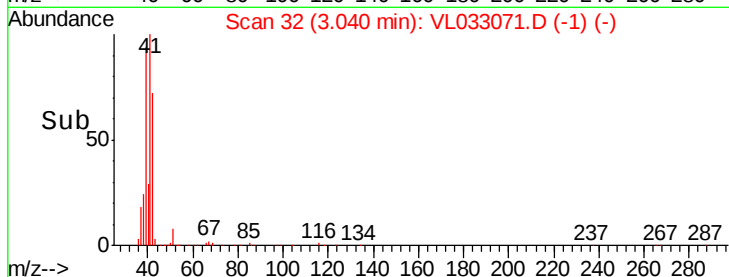
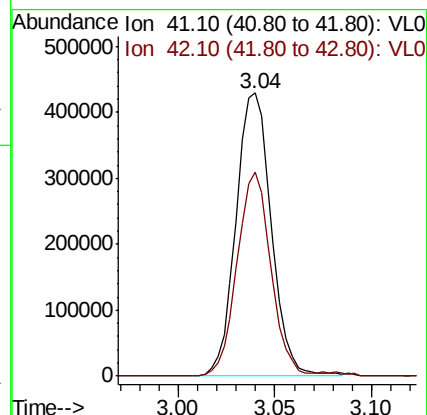
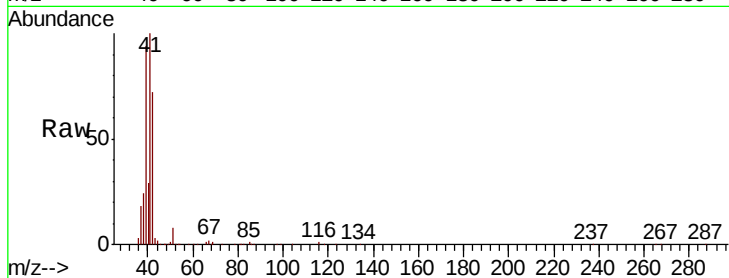
VL0104ABS01

Tgt Ion: 41 Resp: 544053

Ion Ratio Lower Upper

41 100

42 70.3 55.3 82.9



#10

Heptane

Concen: 9.734 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033071.D

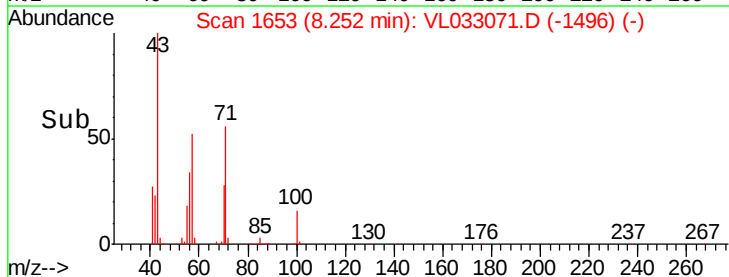
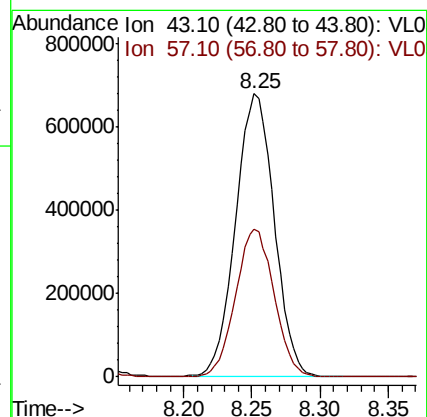
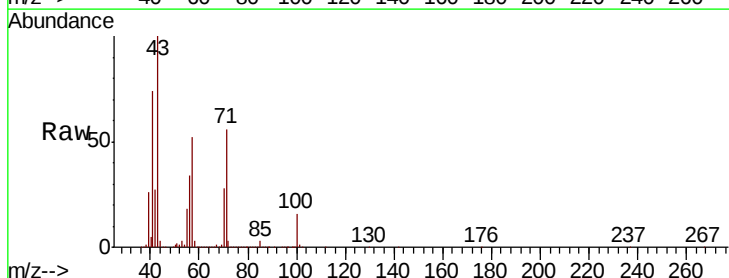
Acq: 4 Jan 2019 17:06

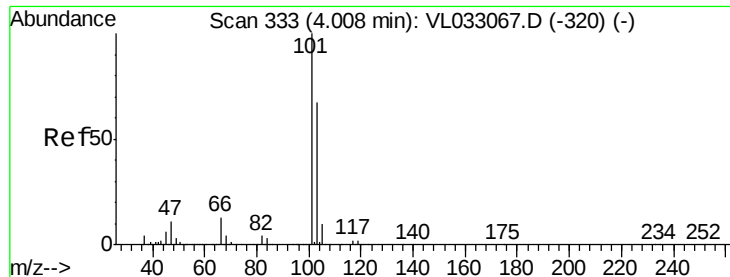
Tgt Ion: 43 Resp: 1330483

Ion Ratio Lower Upper

43 100

57 51.9 41.9 62.9





#11

Trichlorofluoromethane

Concen: 8.435 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

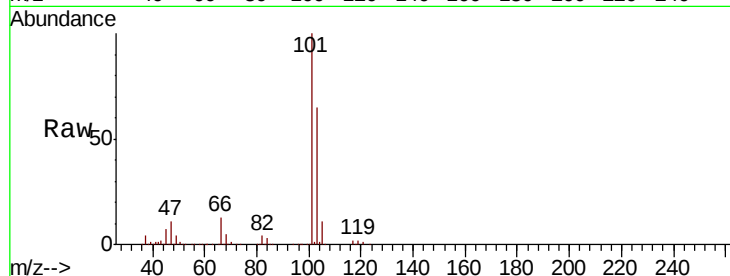
VL0104ABS01

Tgt Ion:101 Resp: 1969147

Ion Ratio Lower Upper

101 100

103 65.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V

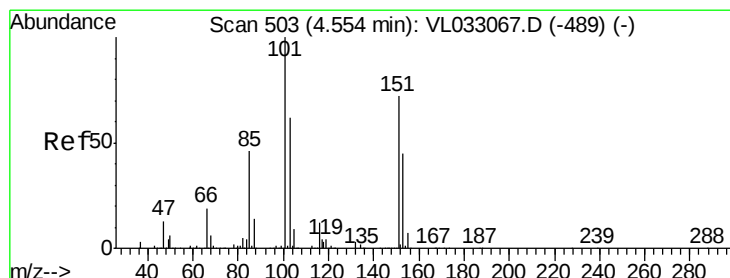
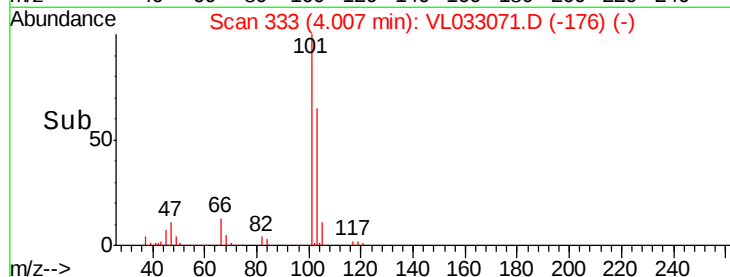
4.01

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.934 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033071.D

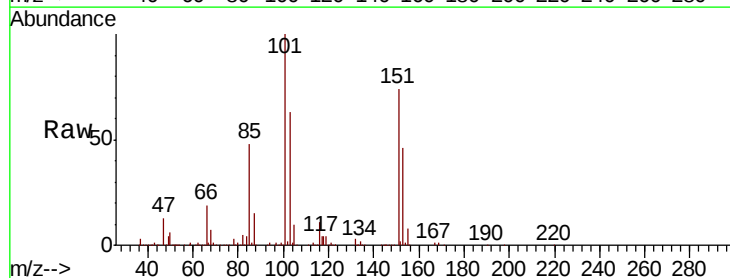
Acq: 4 Jan 2019 17:06

Tgt Ion:101 Resp: 1318717

Ion Ratio Lower Upper

101 100

151 73.1 58.3 87.5



Abundance Ion 101.00 (100.70 to 101.70): V

800000 Ion 151.00 (150.70 to 151.70): V

4.55

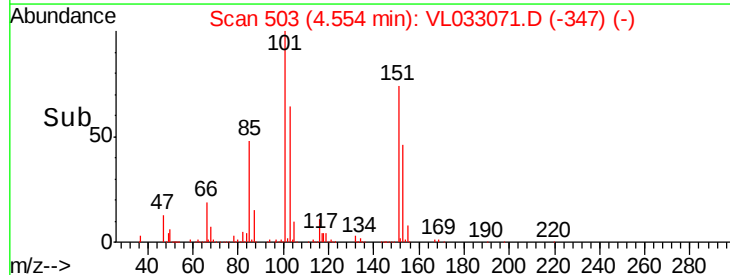
600000

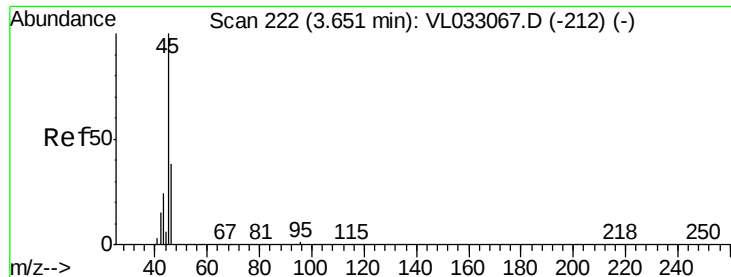
400000

200000

0

Time-->





#13

Ethanol

Concen: 7.660 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

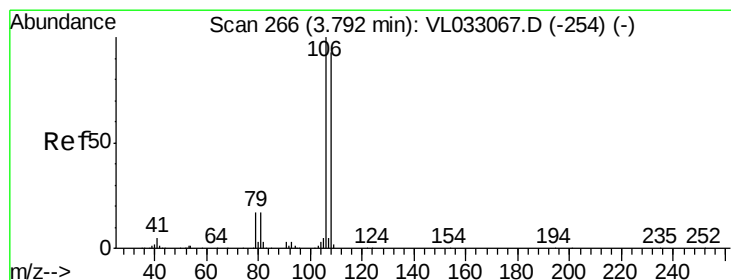
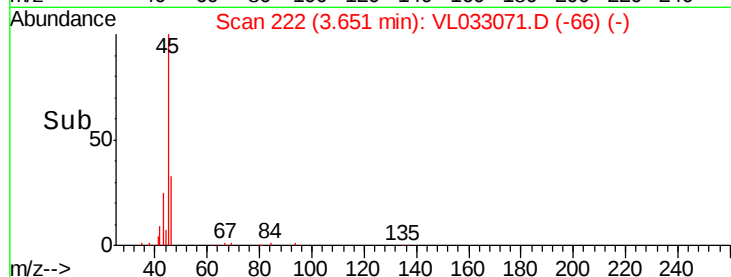
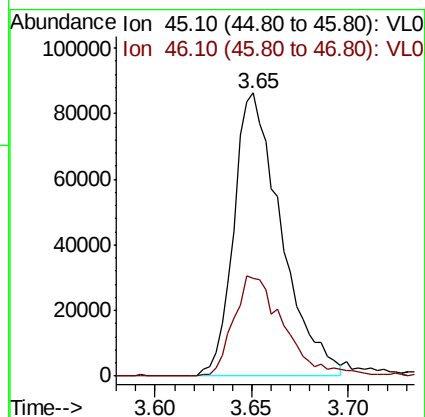
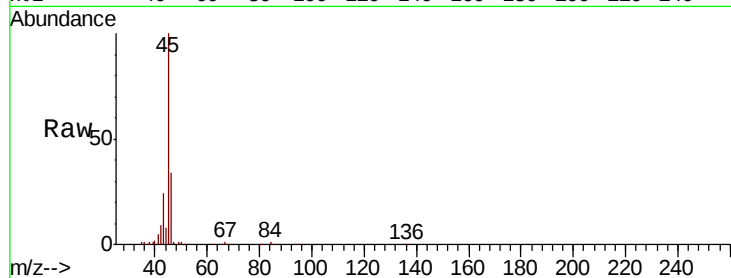
VL0104ABS01

Tgt Ion: 45 Resp: 146638

Ion Ratio Lower Upper

45 100

46 38.0 13.8 55.2



#14

Bromoethene

Concen: 9.438 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

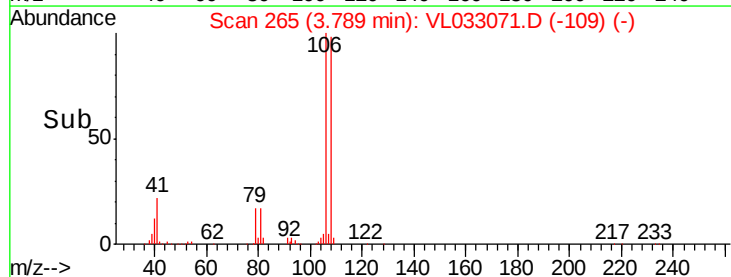
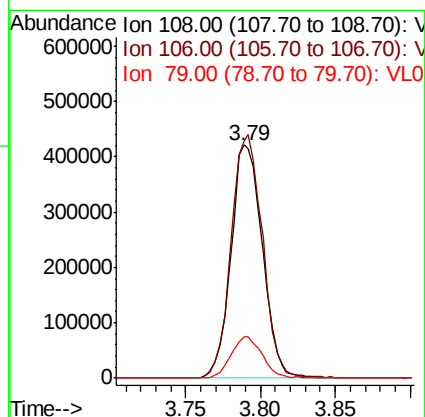
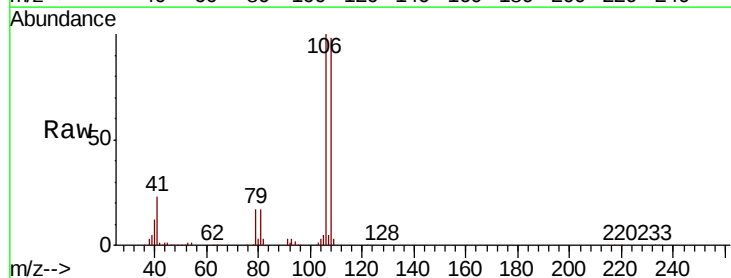
Tgt Ion: 108 Resp: 615308

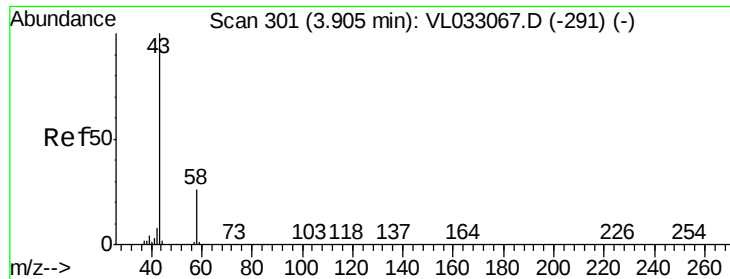
Ion Ratio Lower Upper

108 100

106 104.6 86.4 129.6

79 17.9 14.3 21.5





#15

Acetone

Concen: 8.006 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

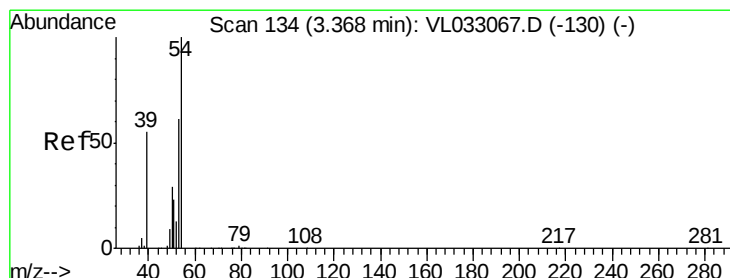
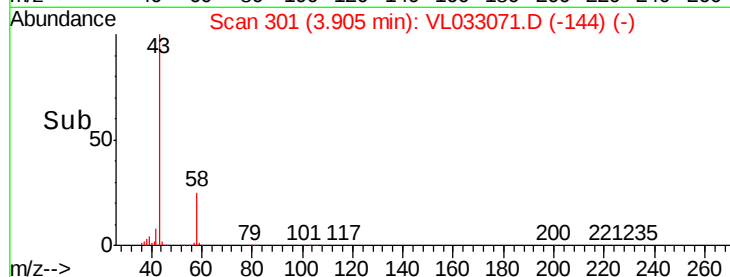
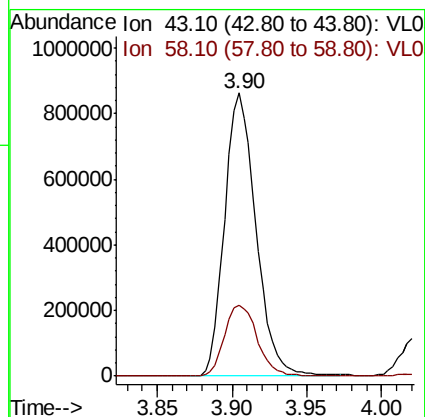
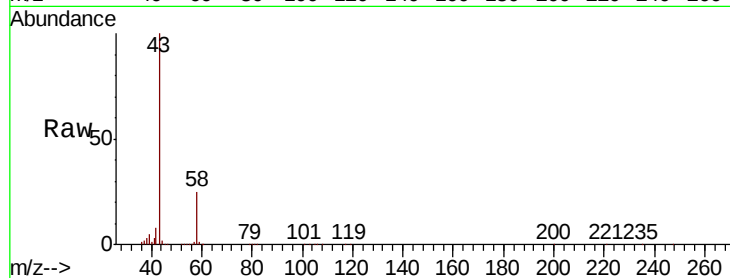
VL0104ABS01

Tgt Ion: 43 Resp: 1258080

Ion Ratio Lower Upper

43 100

58 26.3 21.1 31.7



#16

1,3-Butadiene

Concen: 10.439 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033071.D

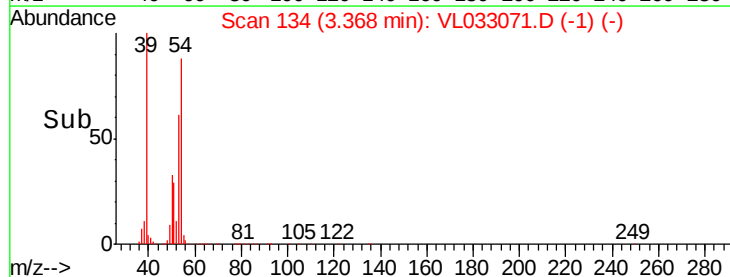
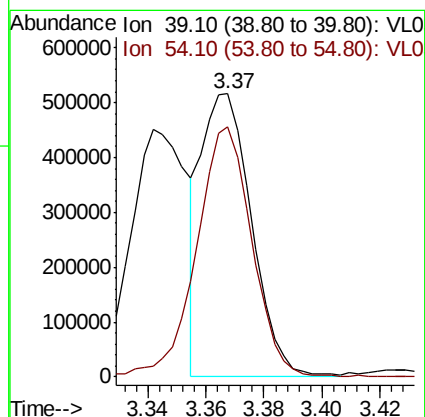
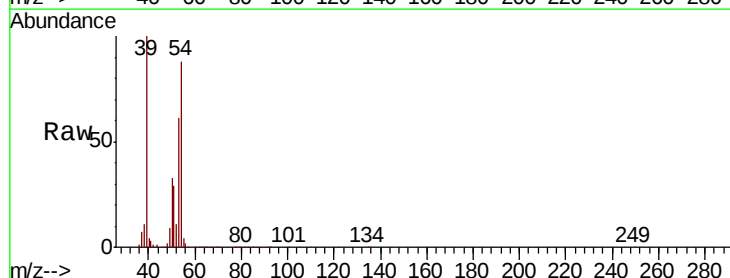
Acq: 4 Jan 2019 17:06

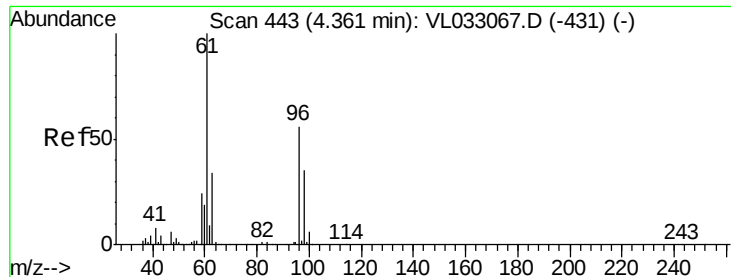
Tgt Ion: 39 Resp: 618522

Ion Ratio Lower Upper

39 100

54 98.7 73.7 110.5





#17

tert-Butyl alcohol

Concen: 9.504 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

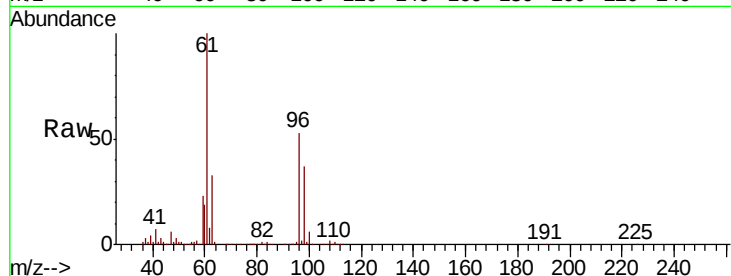
VL0104ABS01

Tgt Ion: 59 Resp: 316357

Ion Ratio Lower Upper

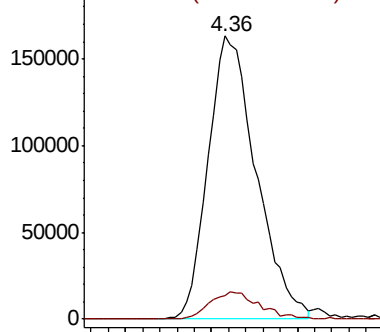
59 100

57 10.1 7.7 11.5

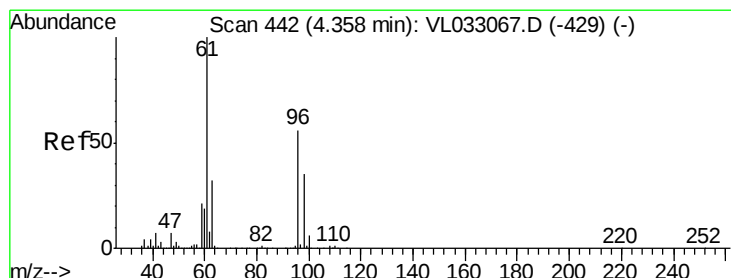
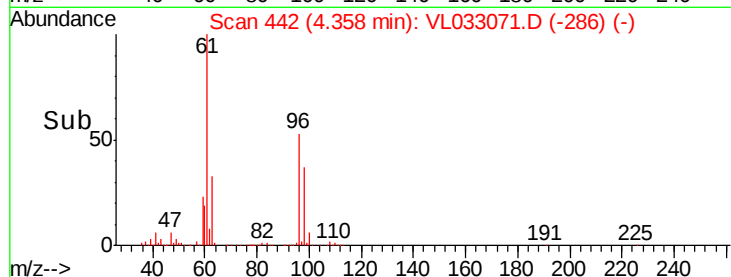


Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#18

1,1-Dichloroethene

Concen: 8.856 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

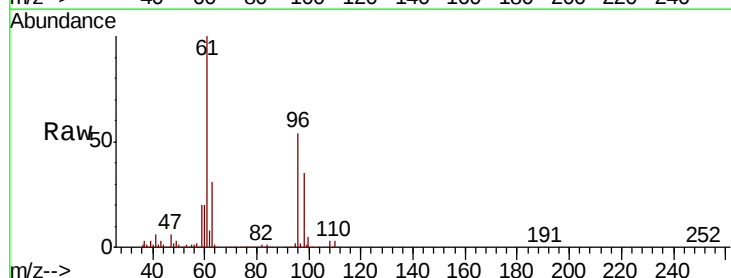
Tgt Ion: 96 Resp: 602201

Ion Ratio Lower Upper

96 100

61 183.6 143.7 215.5

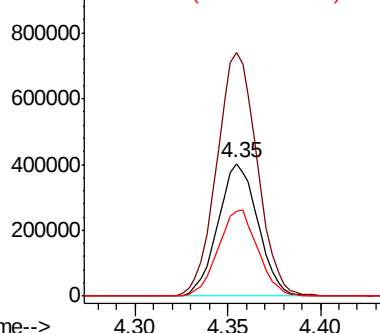
98 64.0 52.1 78.1



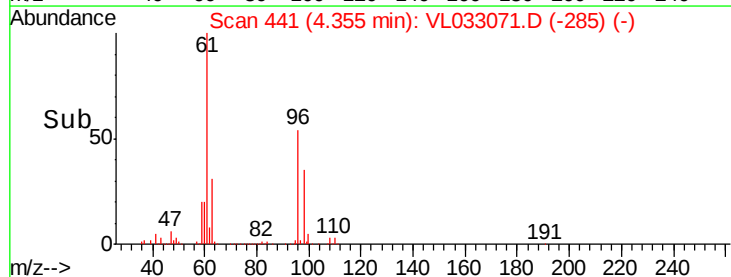
Abundance Ion 96.00 (95.70 to 96.70): VL0

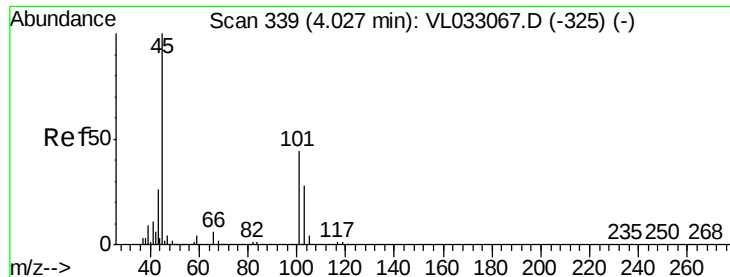
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->





#19

Isopropyl Alcohol

Concen: 8.540 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

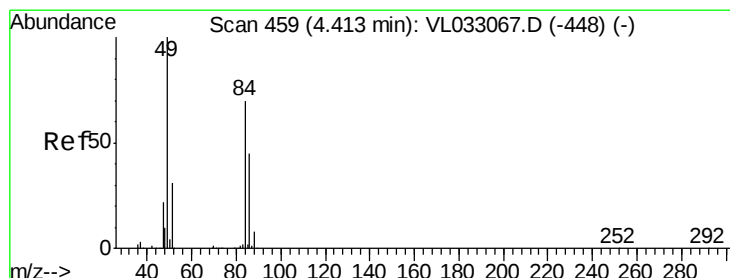
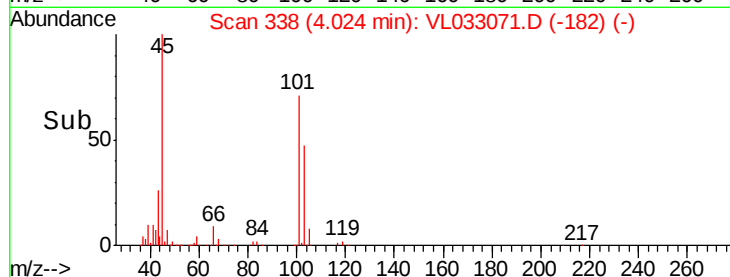
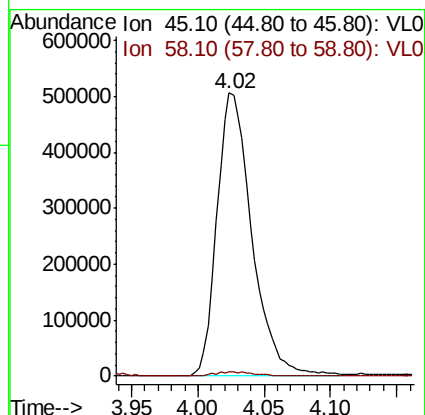
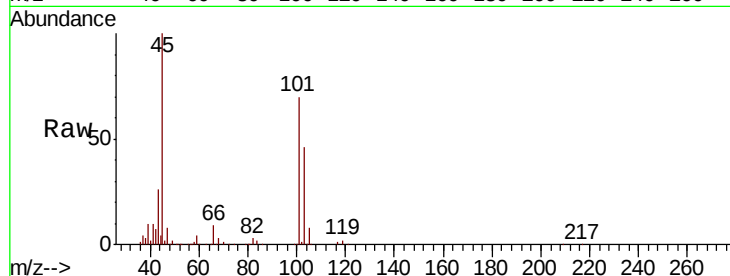
VL0104ABS01

Tgt Ion: 45 Resp: 923798

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.2



#20

Methylene Chloride

Concen: 7.916 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Tgt Ion: 84 Resp: 518552

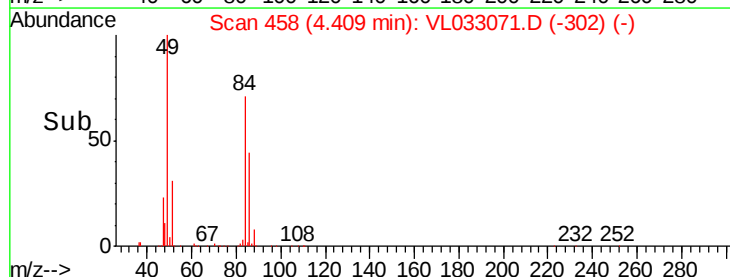
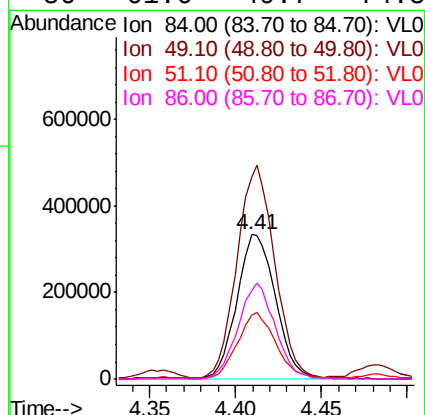
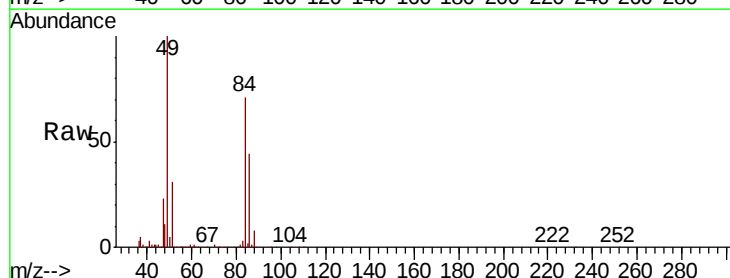
Ion Ratio Lower Upper

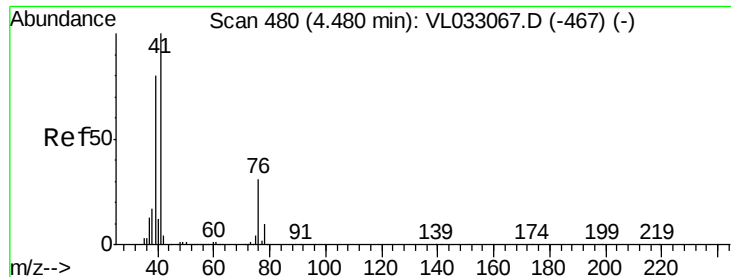
84 100

49 139.5 115.8 173.6

51 43.7 35.7 53.5

86 61.6 49.7 74.5

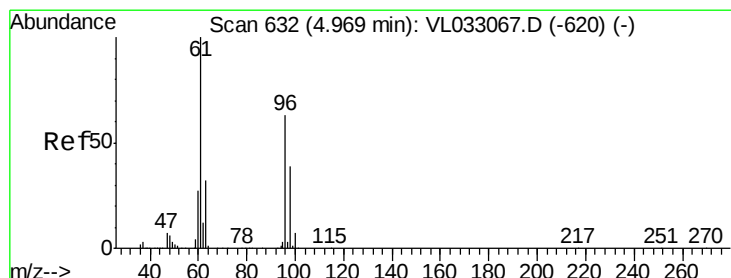
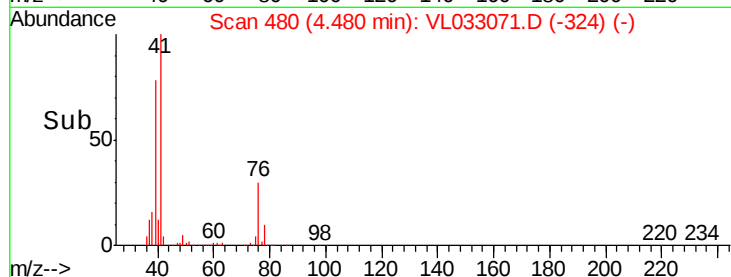
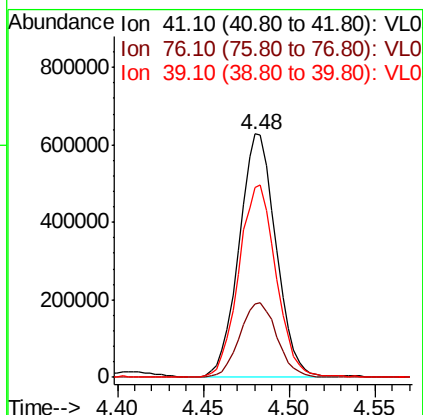
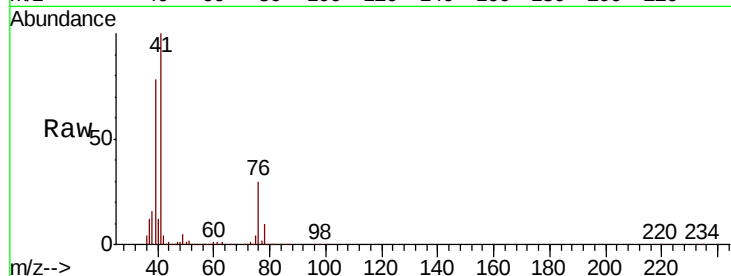




#21
 Allyl Chloride
 Concen: 9.571 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

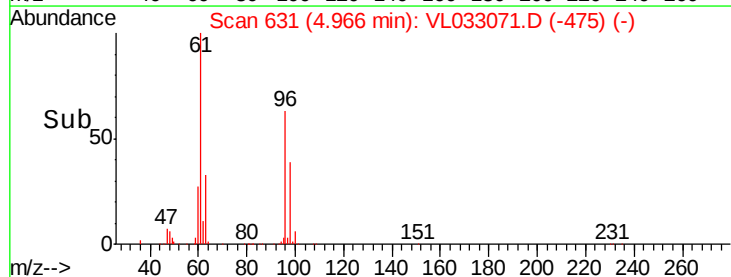
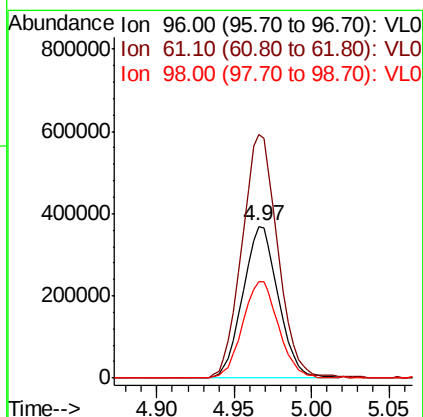
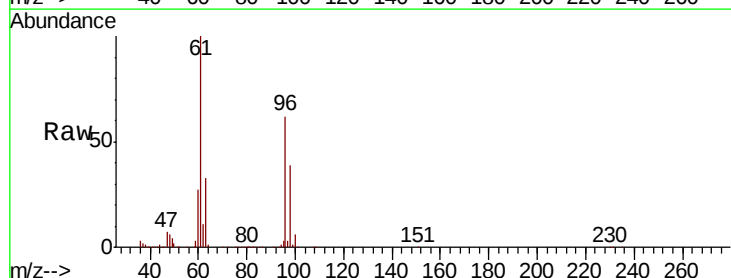
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

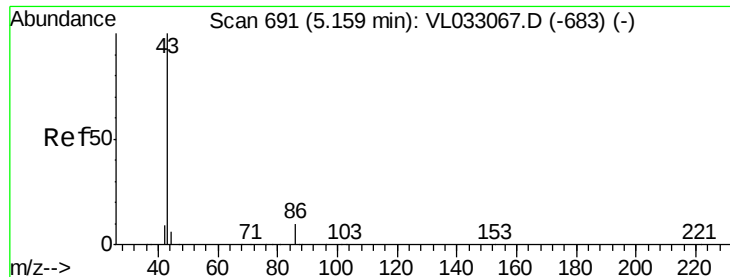
Tgt Ion: 41 Resp: 931985
 Ion Ratio Lower Upper
 41 100
 76 31.0 24.6 36.8
 39 80.1 62.8 94.2



#22
 trans-1,2-Dichloroethene
 Concen: 8.757 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 96 Resp: 590202
 Ion Ratio Lower Upper
 96 100
 61 160.1 125.2 187.8
 98 62.9 50.9 76.3



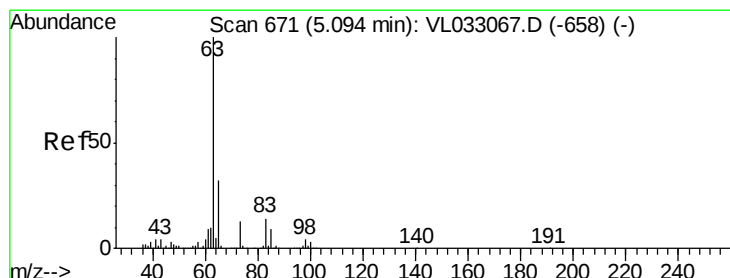
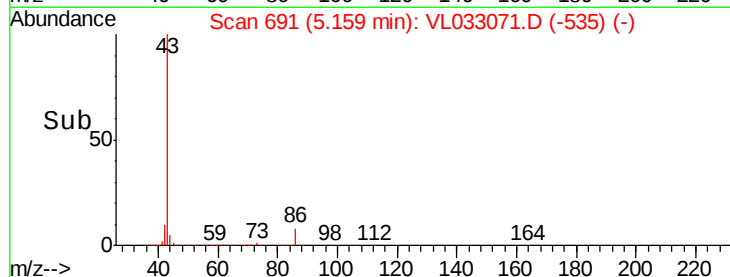
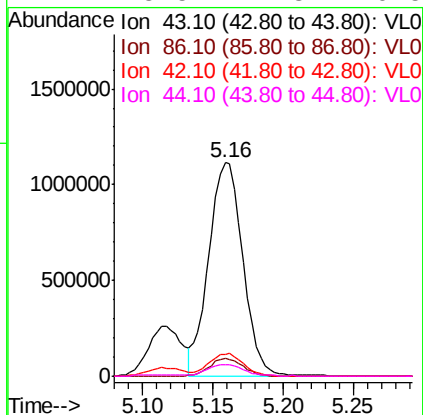
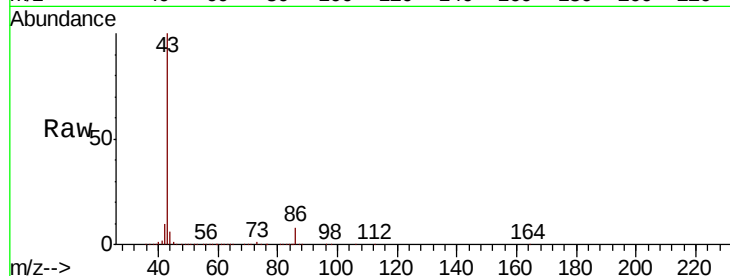


#23
 Vinyl Acetate
 Concen: 9.345 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion: 43 Resp: 1868064

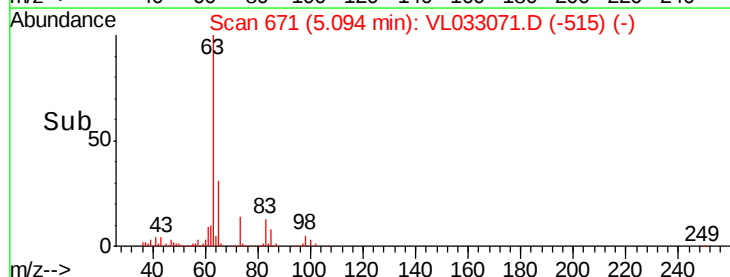
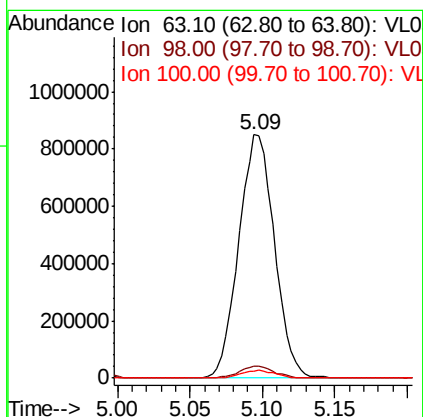
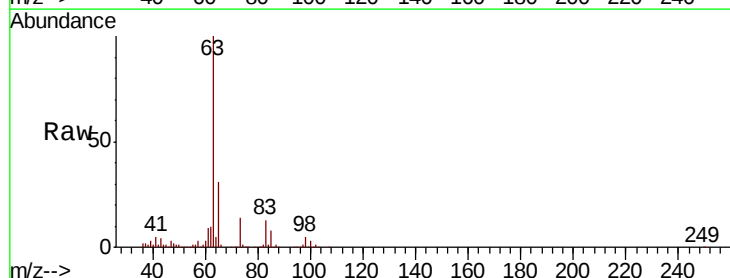
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.4
42	10.4	8.1	12.1
44	5.5	4.3	6.5

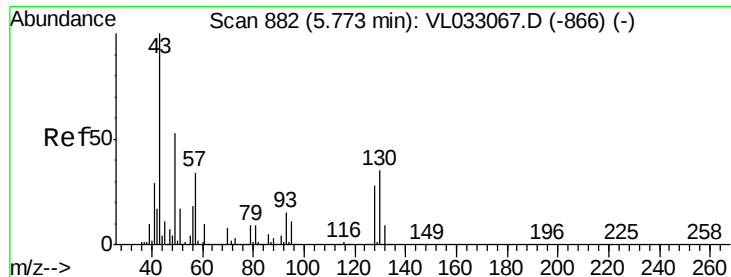


#24
 1,1-Dichloroethane
 Concen: 8.561 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 63 Resp: 1452919

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 8.634 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

Tgt Ion: 43 Resp: 2293211

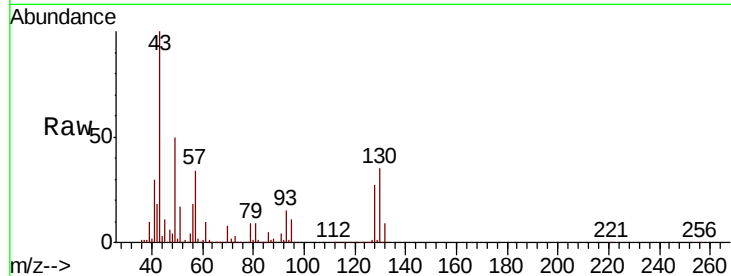
Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.4 7.8 11.8

70 7.2 6.0 9.0

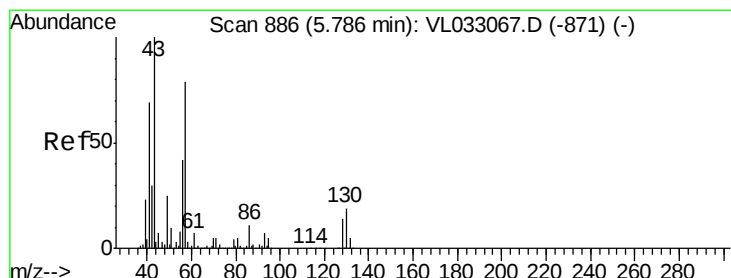
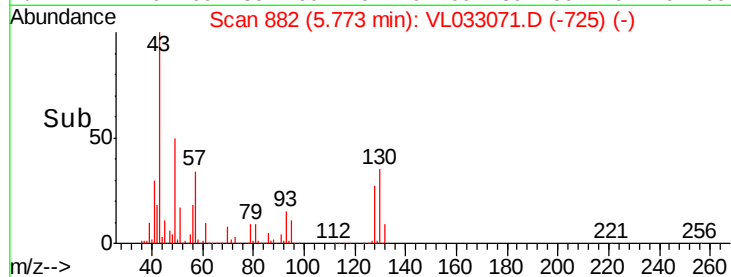
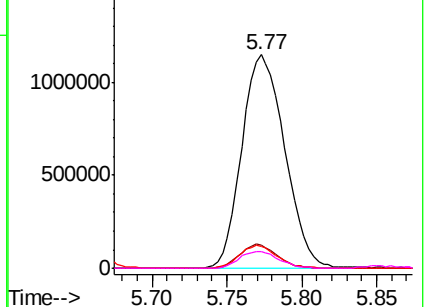


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.546 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Tgt Ion: 57 Resp: 1068716

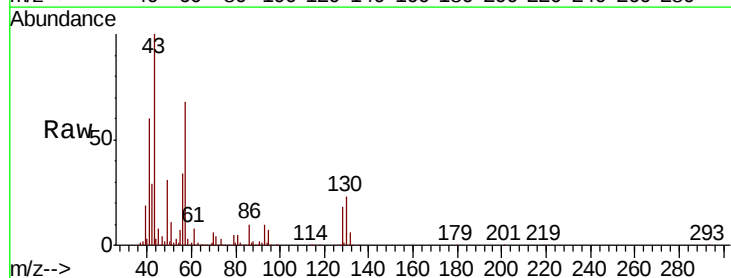
Ion Ratio Lower Upper

57 100

41 89.5 70.8 106.2

43 215.3 171.8 257.6

56 53.0 41.9 62.9

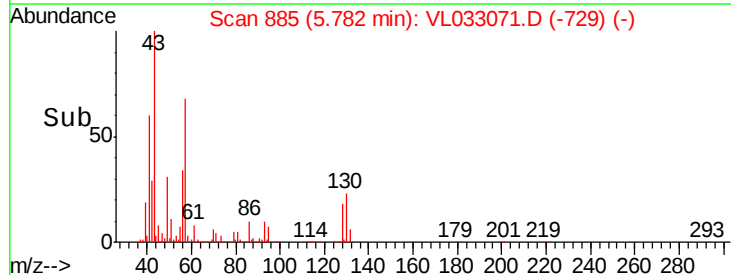
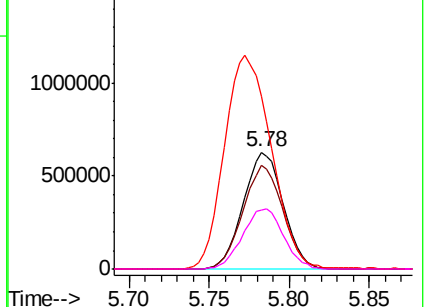


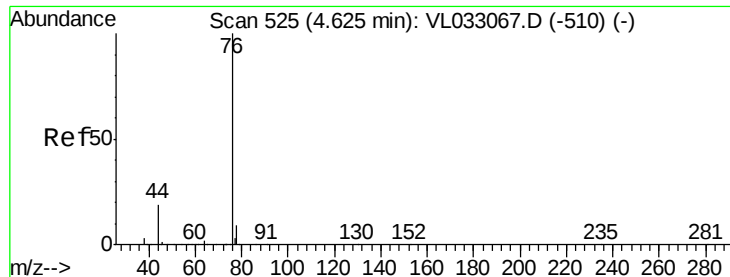
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.808 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

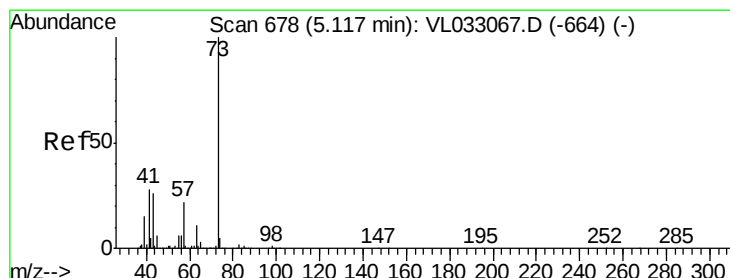
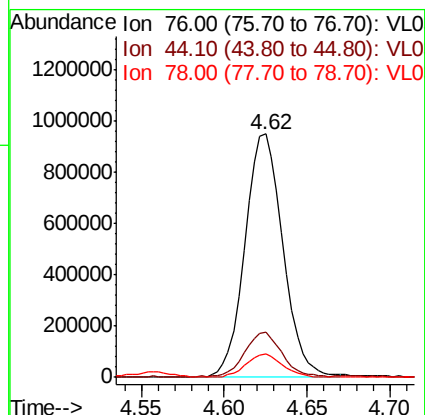
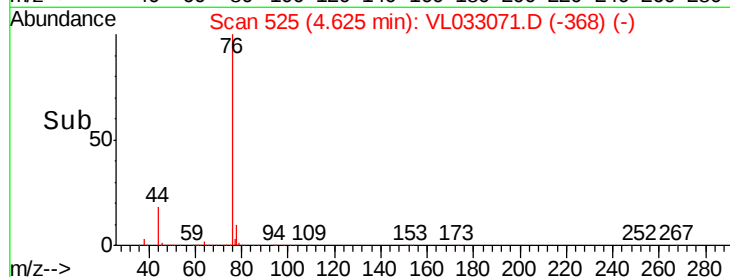
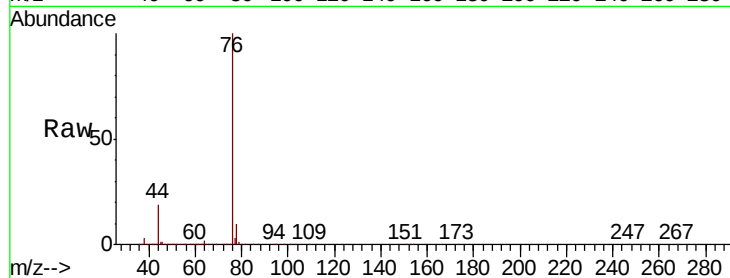
Tgt Ion: 76 Resp: 1512788

Ion Ratio Lower Upper

76 100

44 18.2 13.9 20.9

78 9.3 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 9.252 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033071.D

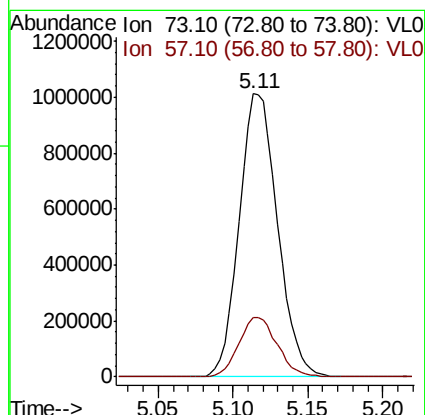
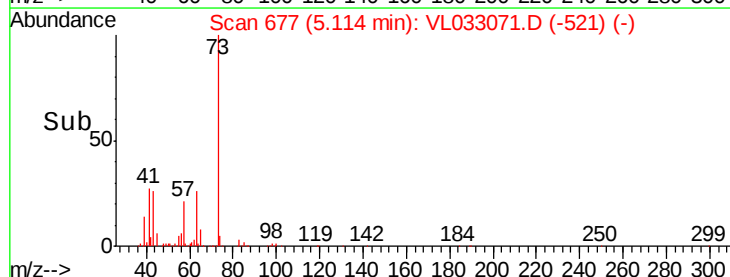
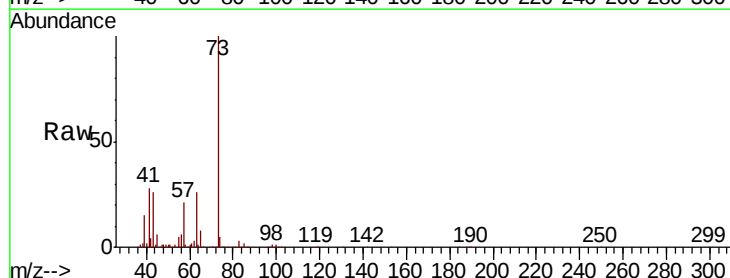
Acq: 4 Jan 2019 17:06

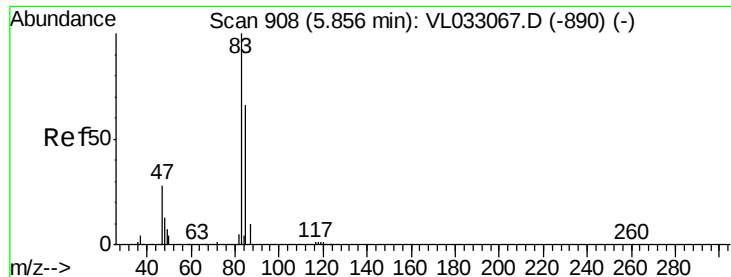
Tgt Ion: 73 Resp: 1806087

Ion Ratio Lower Upper

73 100

57 21.2 17.5 26.3

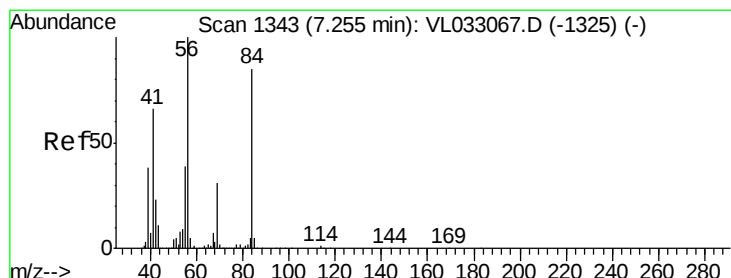
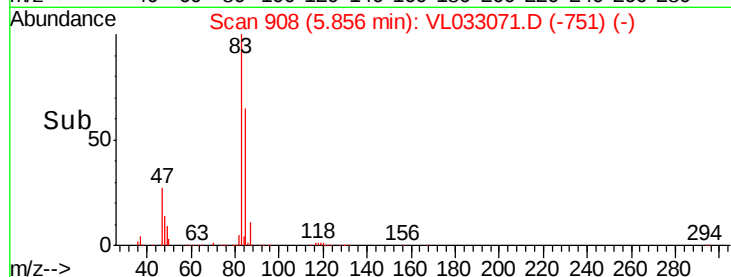
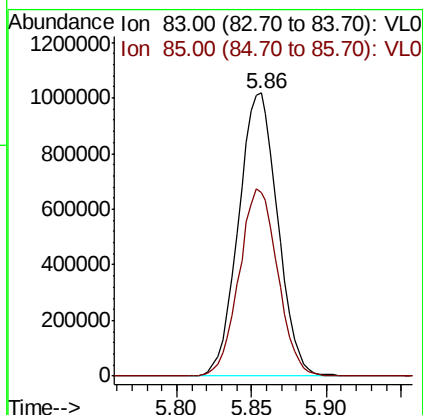
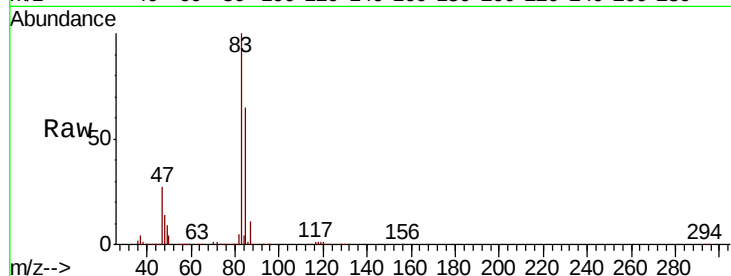




#29
Chloroform
Concen: 8.709 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

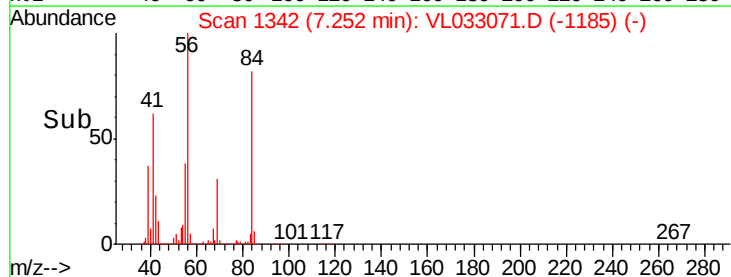
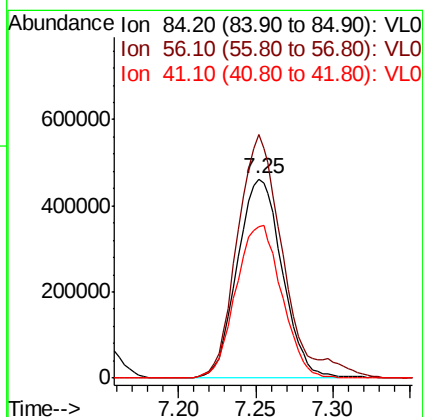
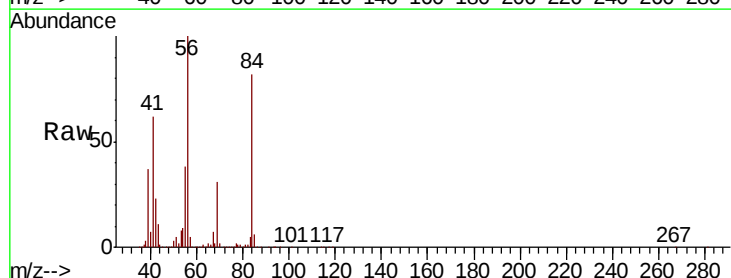
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

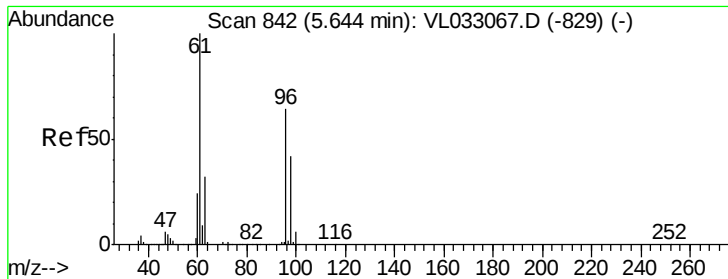
Tgt Ion: 83 Resp: 1856083
Ion Ratio Lower Upper
83 100
85 64.8 52.5 78.7



#30
Cyclohexane
Concen: 9.945 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion: 84 Resp: 927333
Ion Ratio Lower Upper
84 100
56 125.7 101.8 152.6
41 78.9 63.2 94.8



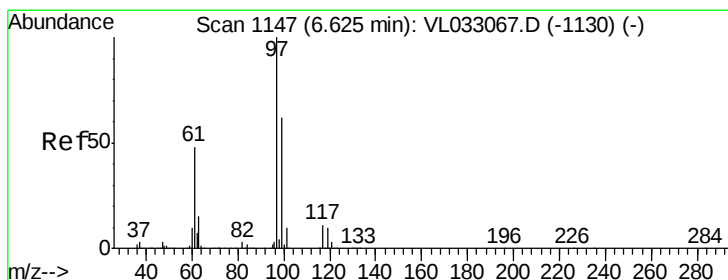
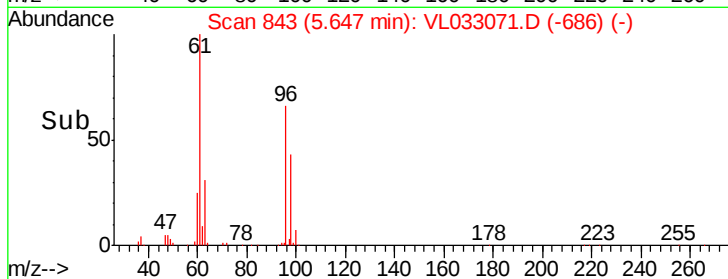
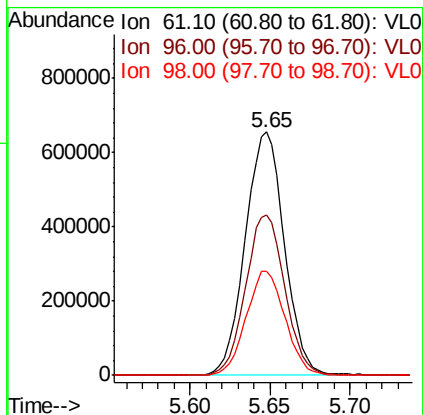
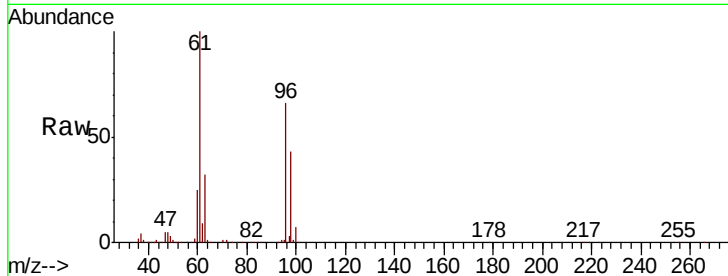


#31

cis-1,2-Dichloroethene
 Concen: 9.479 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

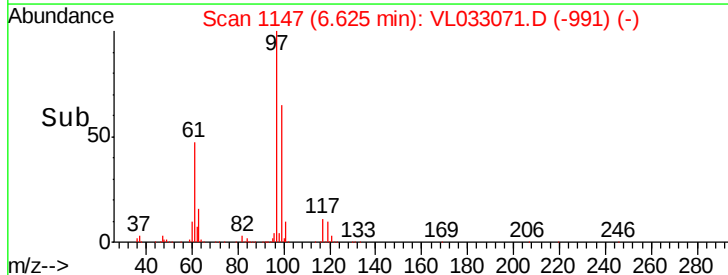
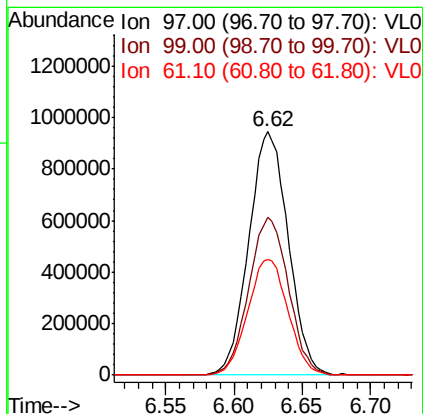
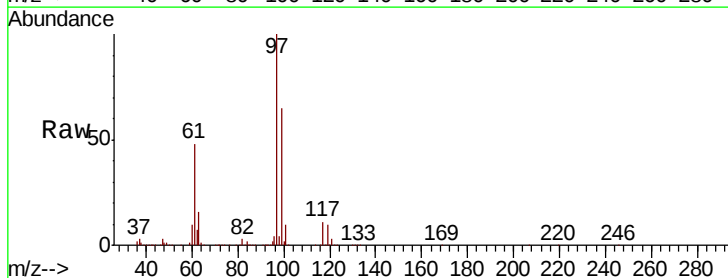
Tgt Ion: 61 Resp: 1100791
 Ion Ratio Lower Upper
 61 100
 96 65.6 52.8 79.2
 98 43.0 33.8 50.6

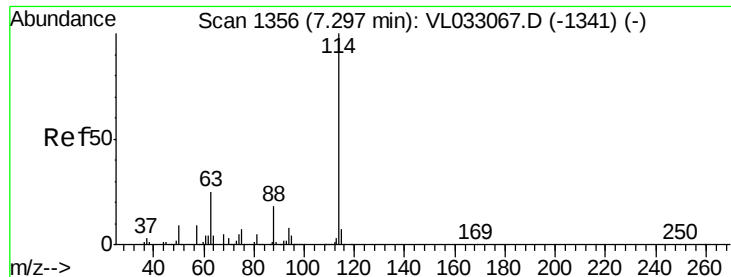


#32

1,1,1-Trichloroethane
 Concen: 8.772 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 97 Resp: 1897285
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.1 76.7
 61 48.6 38.3 57.5

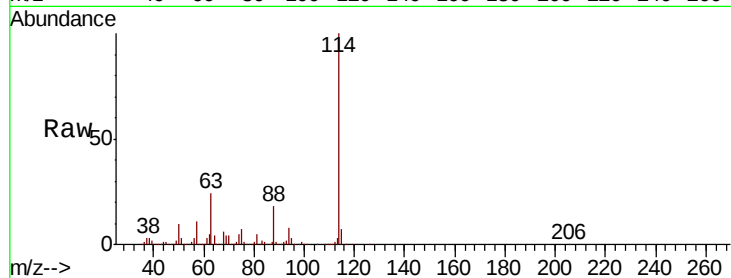




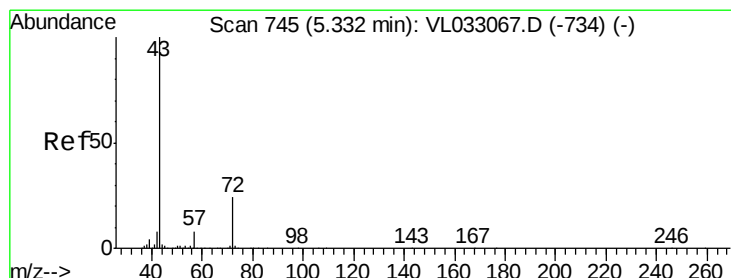
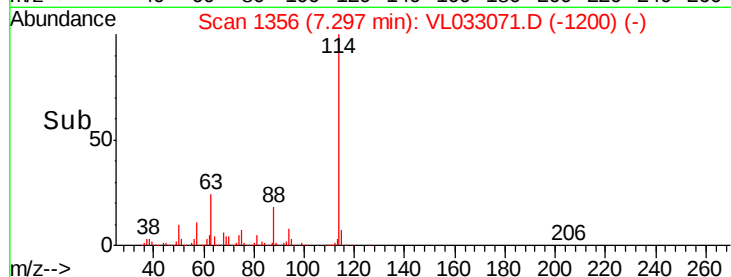
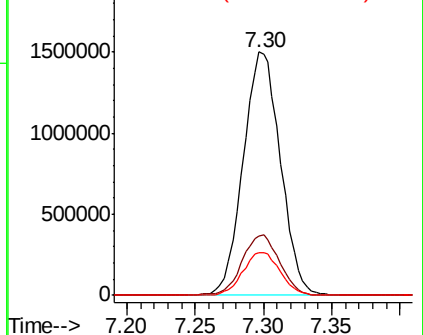
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion:114 Resp: 2839221
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.7 14.0 21.0

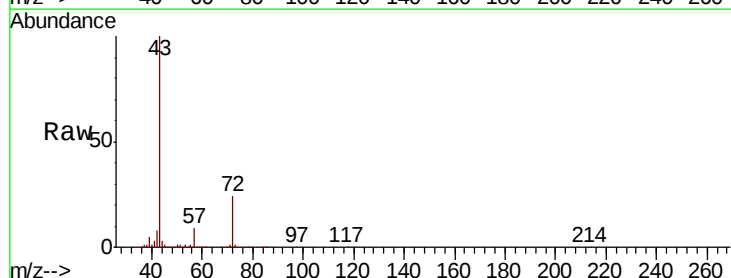


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

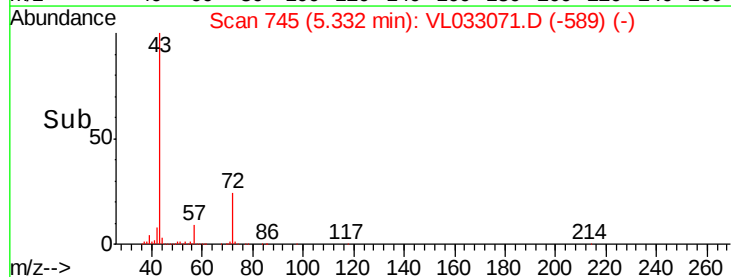
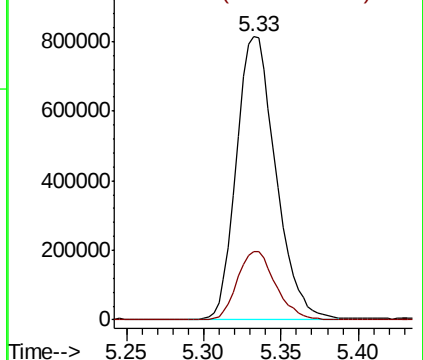


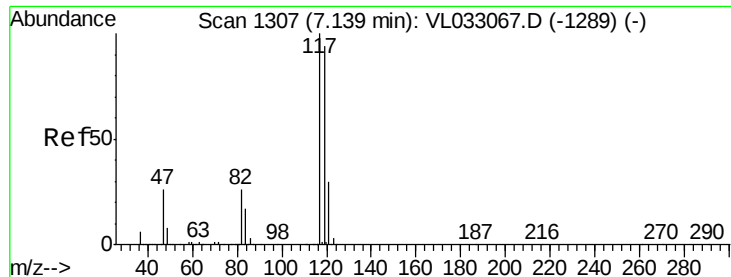
#34
 2-Butanone
 Concen: 8.699 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 43 Resp: 1434980
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 8.740 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

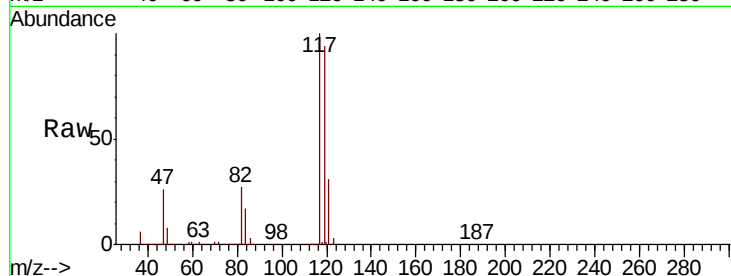
Tgt Ion:117 Resp: 2131426

Ion Ratio Lower Upper

117 100

119 94.3 76.5 114.7

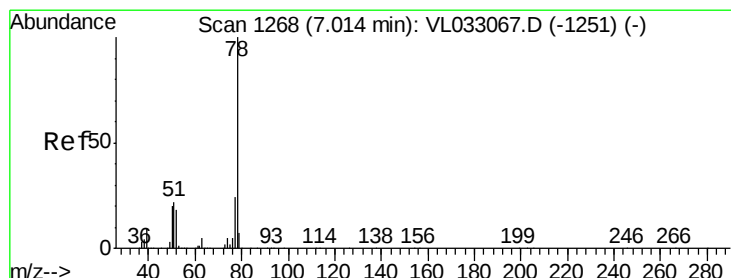
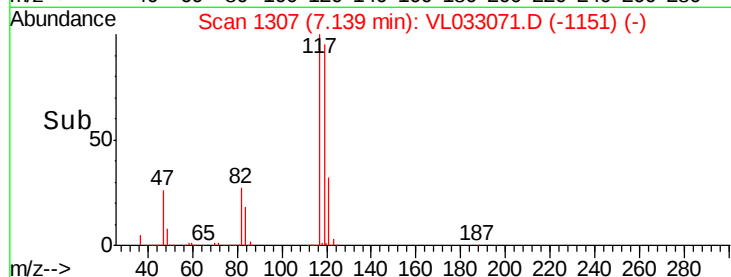
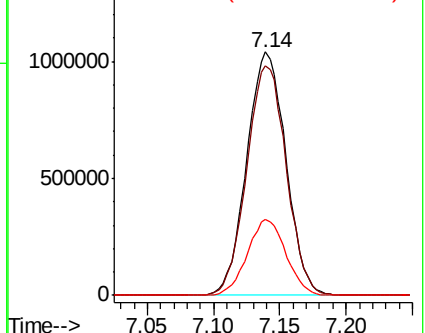
121 31.2 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.322 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

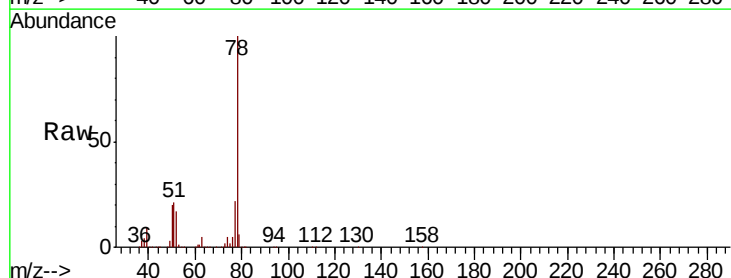
Tgt Ion: 78 Resp: 2168130

Ion Ratio Lower Upper

78 100

77 22.0 18.5 27.7

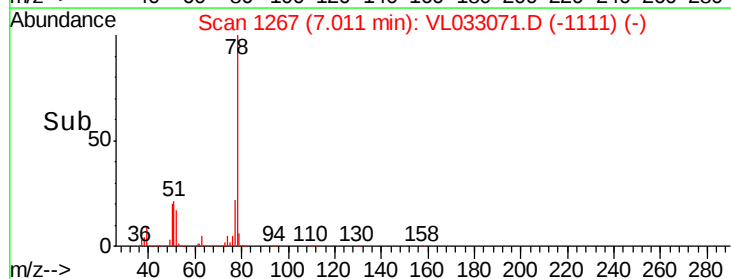
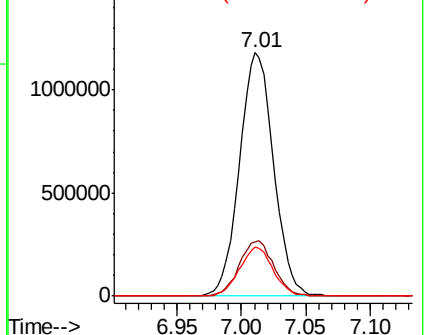
50 19.9 15.7 23.5

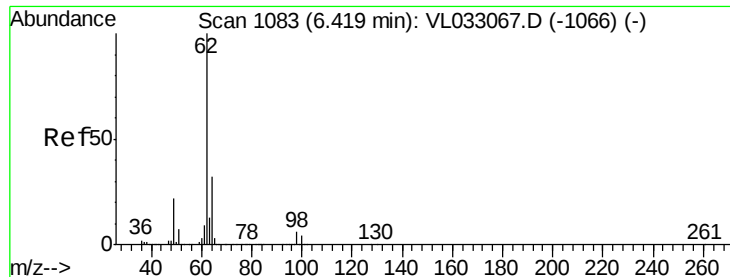


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.776 ppbv

RT: 6.42 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

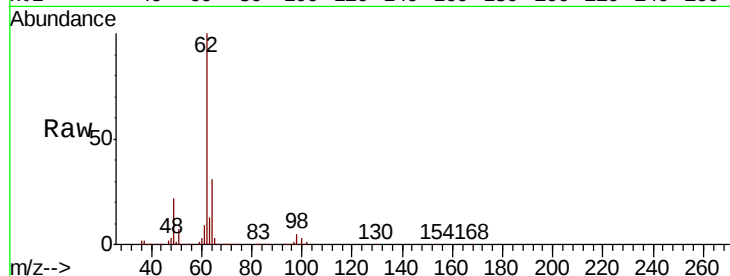
VL0104ABS01

Tgt Ion: 62 Resp: 1425014

Ion Ratio Lower Upper

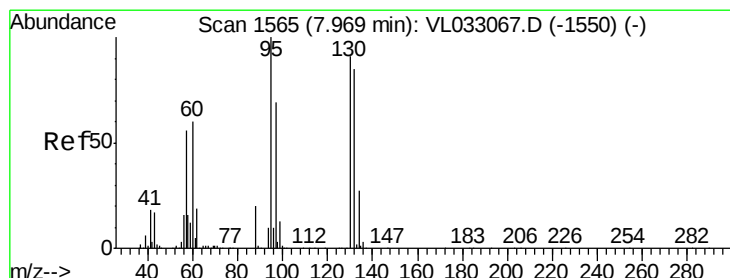
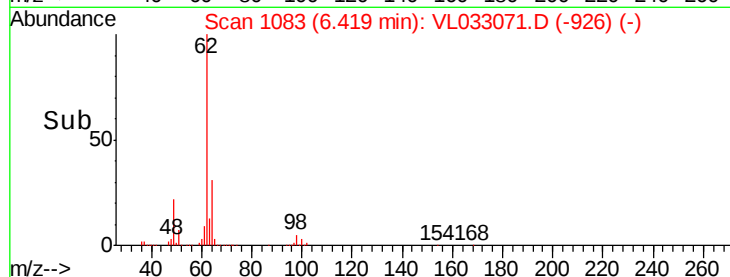
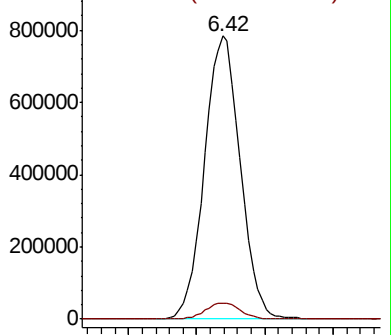
62 100

98 5.7 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.657 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Tgt Ion: 130 Resp: 923928

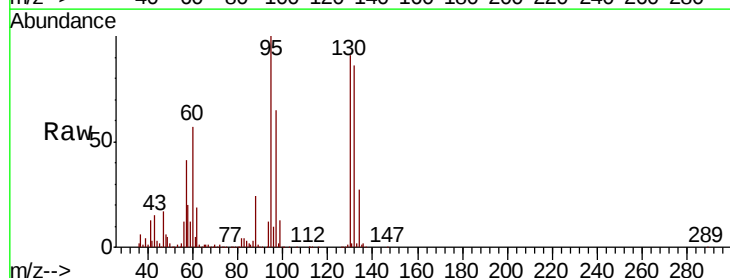
Ion Ratio Lower Upper

130 100

95 110.7 88.6 132.8

132 95.3 74.2 111.2

97 72.1 56.2 84.2

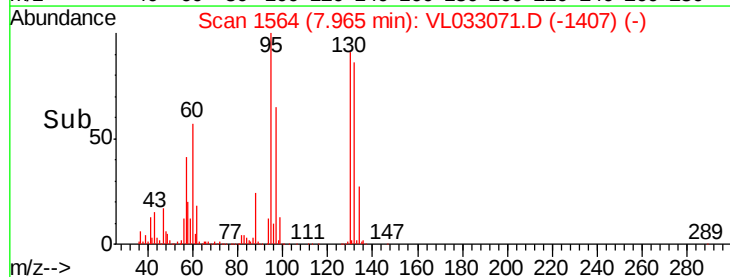
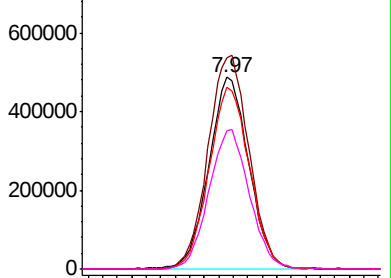


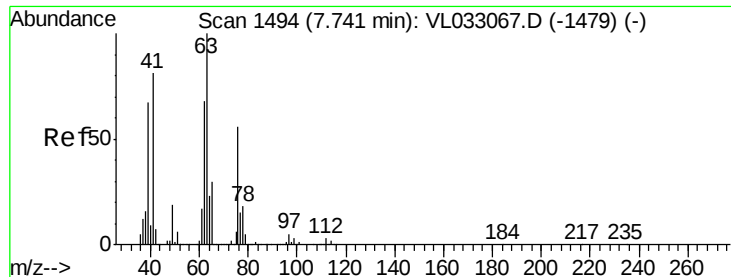
Abundance Ion 130.00 (129.70 to 130.70): V

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

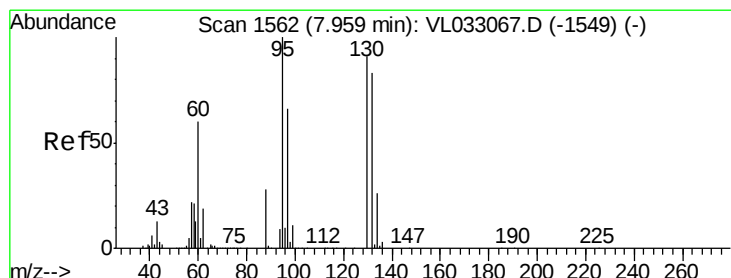
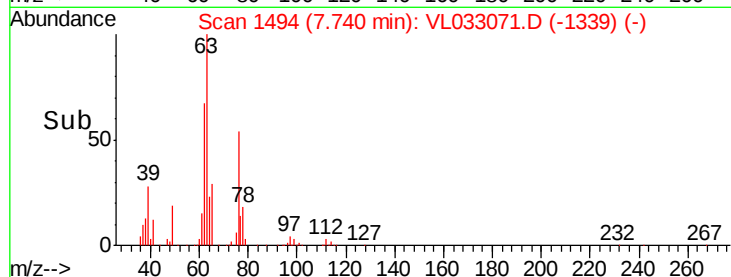
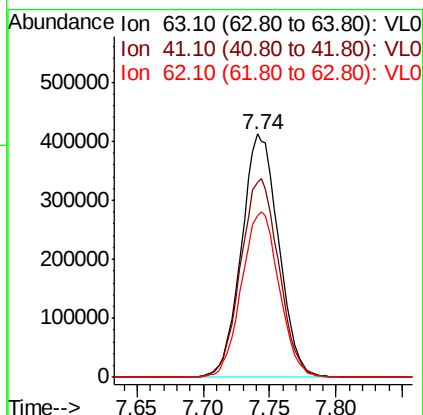
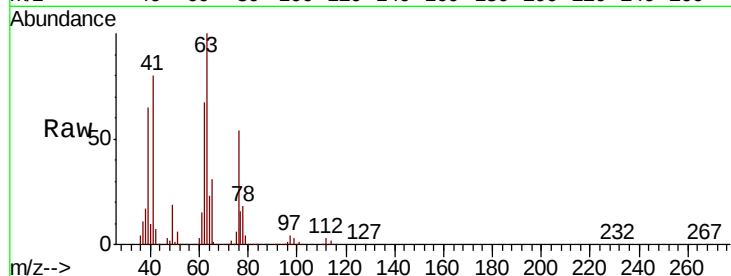




#39
 1,2-Dichloropropane
 Concen: 9.197 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

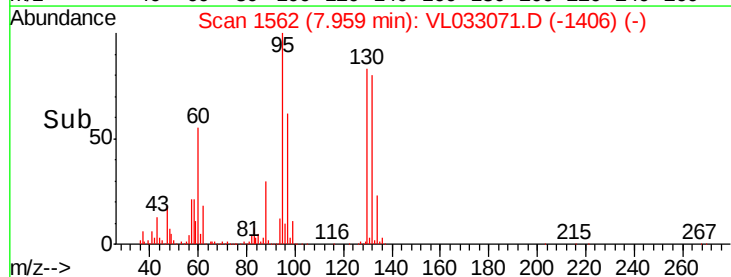
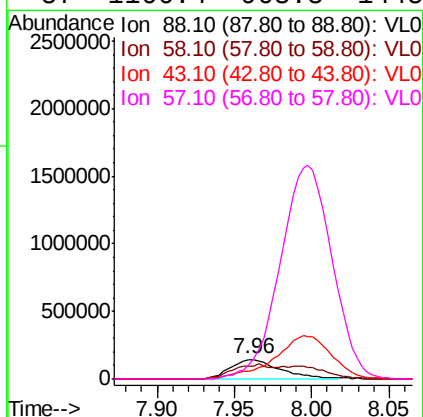
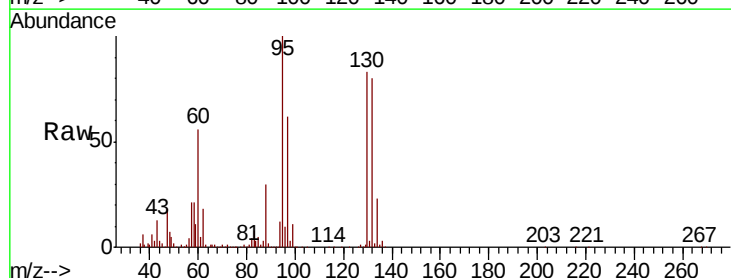
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

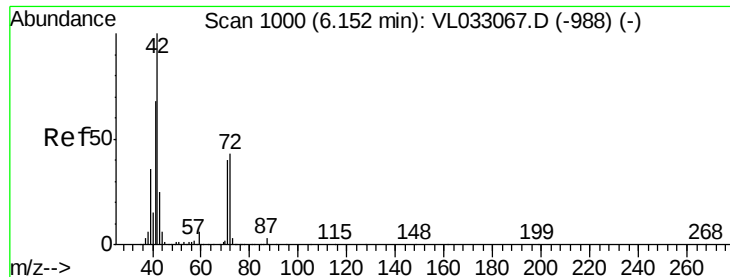
Tgt Ion	Ratio	Lower	Upper
63	100		
41	79.9	61.9	92.9
62	66.6	55.8	83.6



#40
 1,4-Dioxane
 Concen: 9.553 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.0	101.9	152.9
43	262.0	212.6	319.0
57	1166.4	963.8	1445.6





#41

Tetrahydrofuran

Concen: 9.615 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

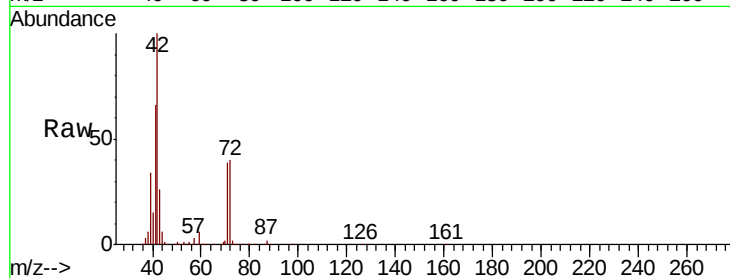
Tgt Ion: 42 Resp: 807339

Ion Ratio Lower Upper

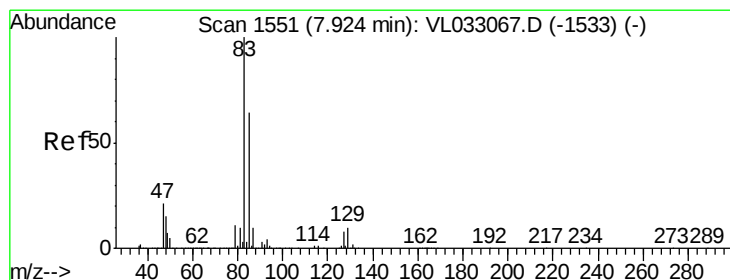
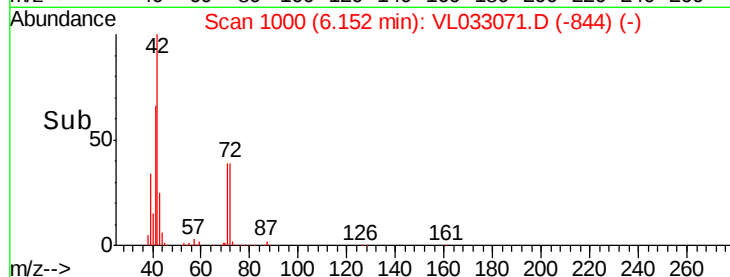
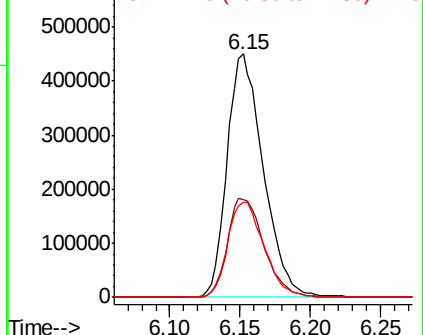
42 100

72 40.9 32.9 49.3

71 39.6 31.8 47.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.057 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

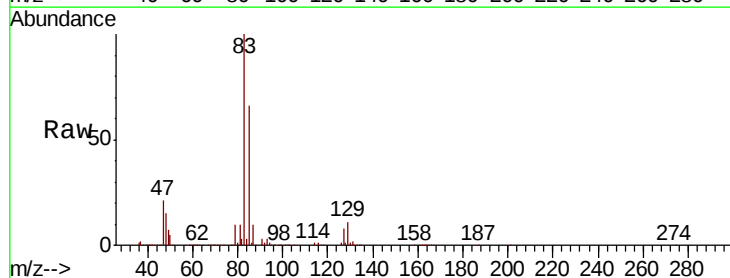
Tgt Ion: 83 Resp: 2020390

Ion Ratio Lower Upper

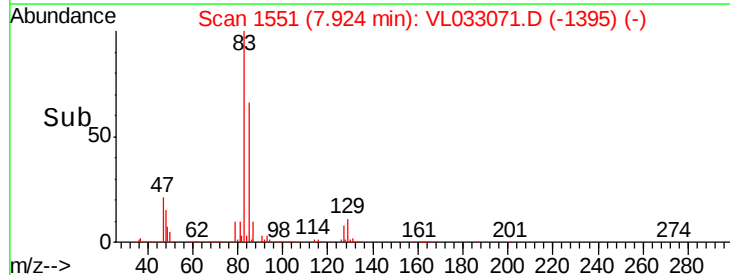
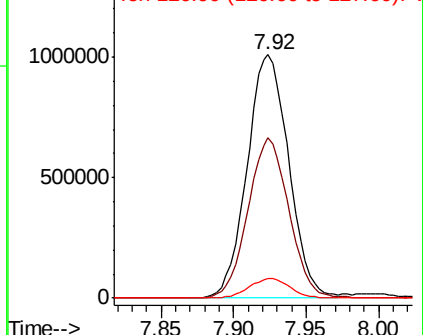
83 100

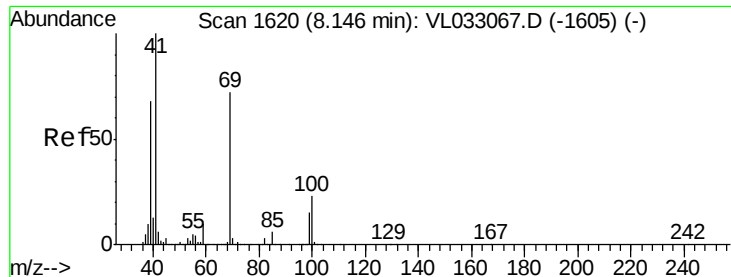
85 65.8 51.0 76.4

127 8.1 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

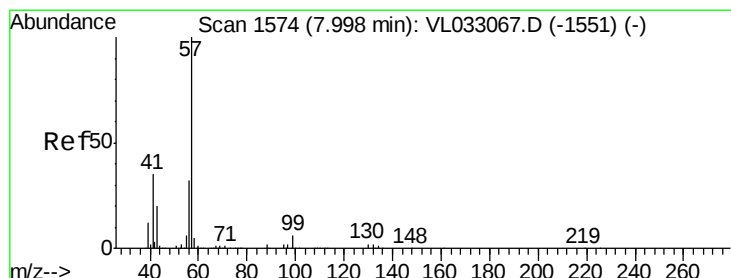
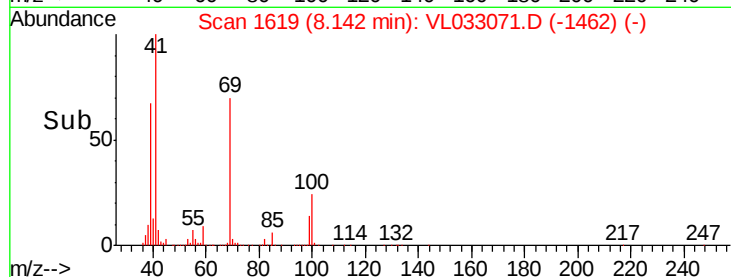
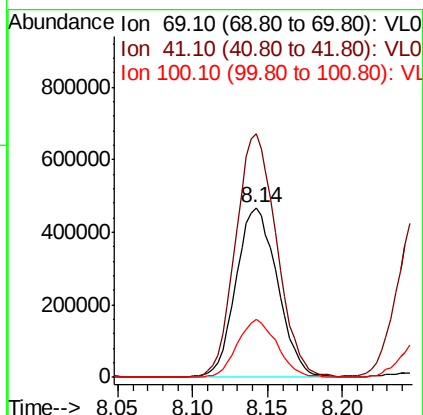
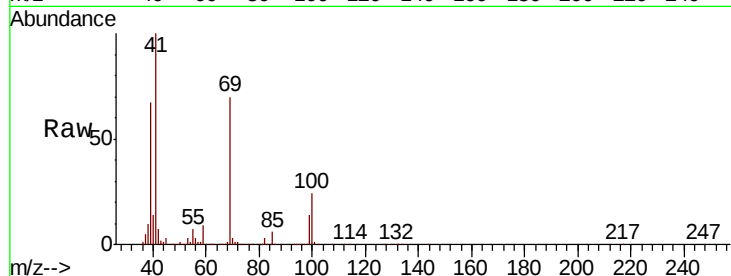




#43
Methyl Methacrylate
Concen: 10.324 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

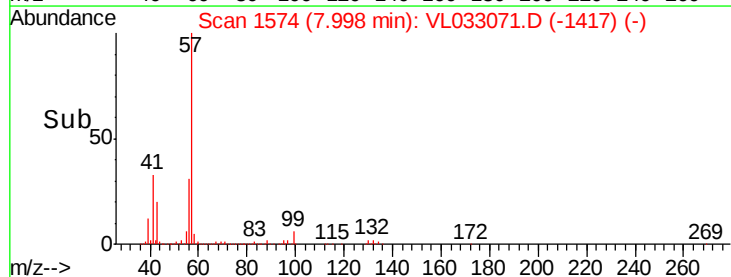
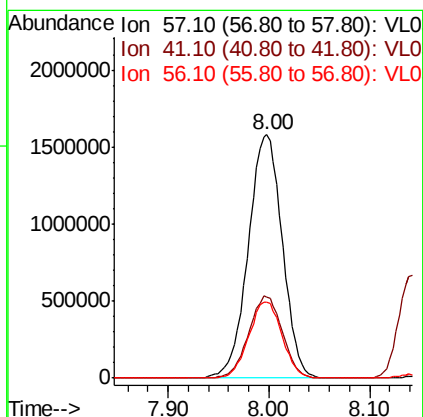
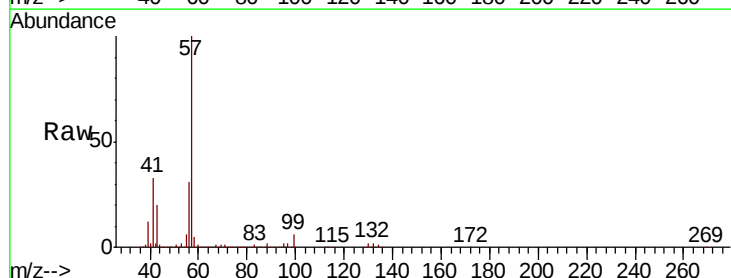
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

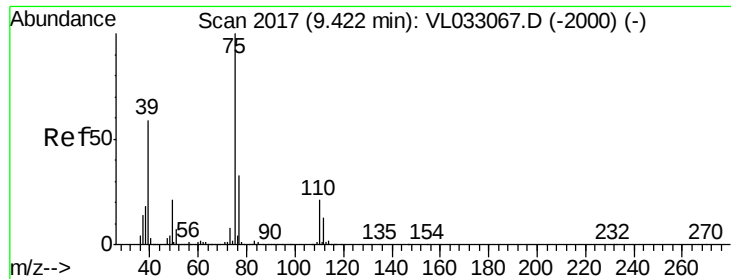
Tgt Ion: 69 Resp: 900952
Ion Ratio Lower Upper
69 100
41 141.8 114.0 171.0
100 32.8 26.3 39.5



#44
2,2,4-Trimethylpentane
Concen: 9.376 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion: 57 Resp: 3692764
Ion Ratio Lower Upper
57 100
41 33.3 26.2 39.2
56 30.6 24.9 37.3

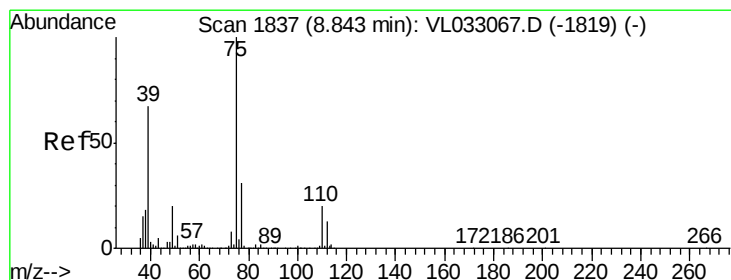
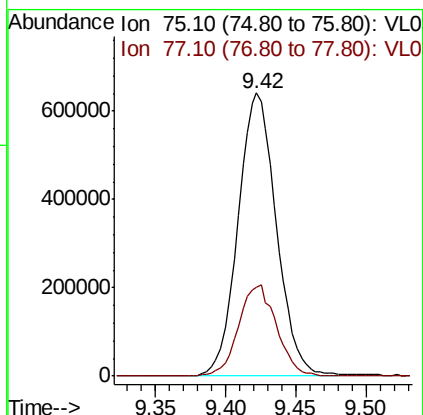
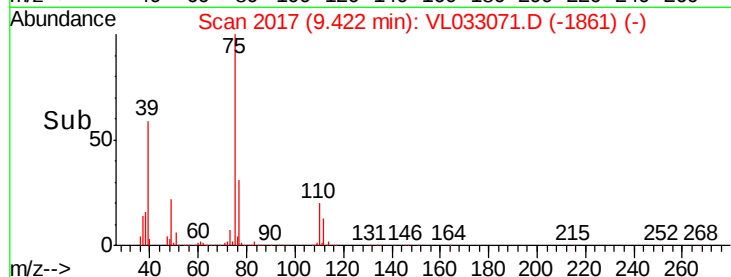
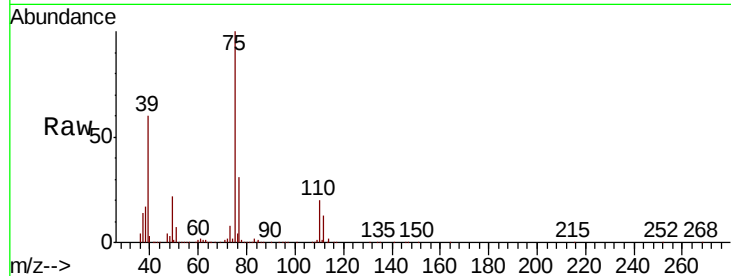




#45
 t-1,3-Dichloropropene
 Concen: 11.227 ppbv
 RT: 9.42 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

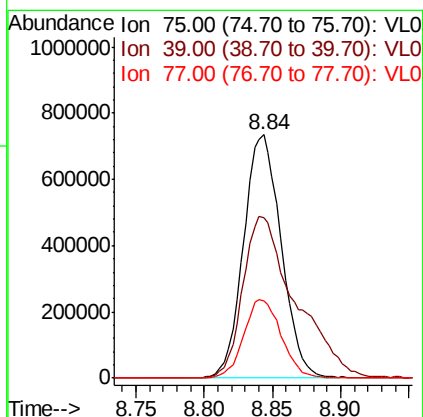
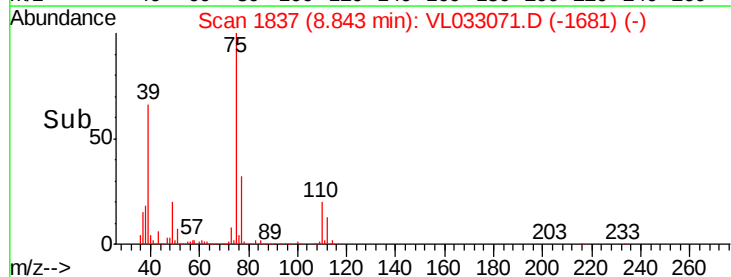
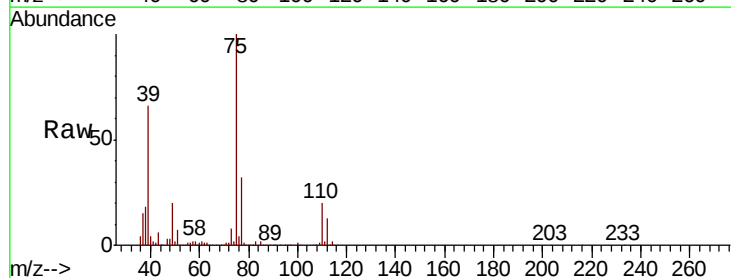
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

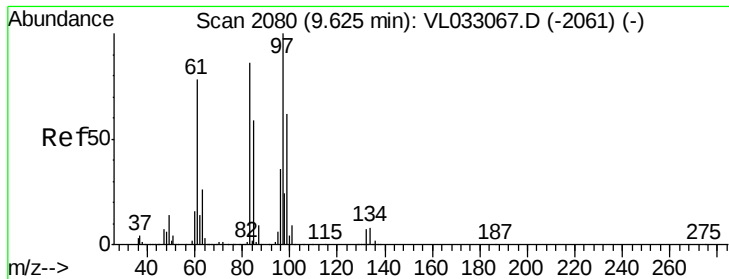
Tgt Ion: 75 Resp: 1219580
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.355 ppbv
 RT: 8.84 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 75 Resp: 1407844
 Ion Ratio Lower Upper
 75 100
 39 66.0 51.3 76.9
 77 31.9 25.5 38.3

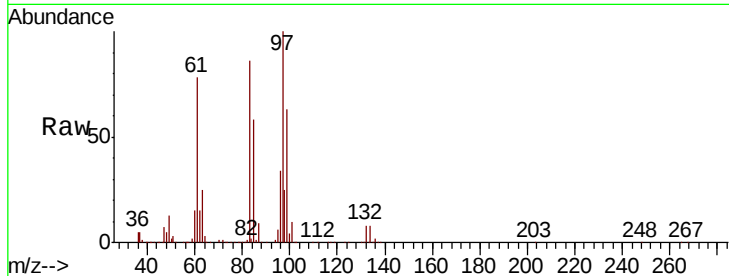




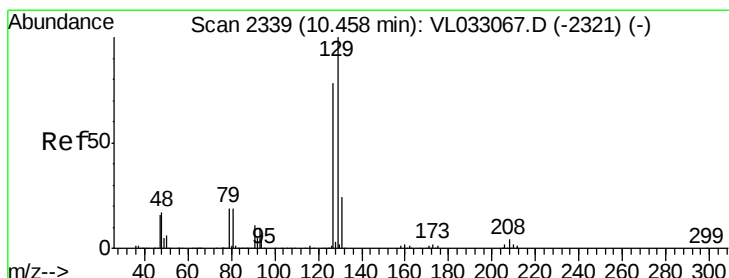
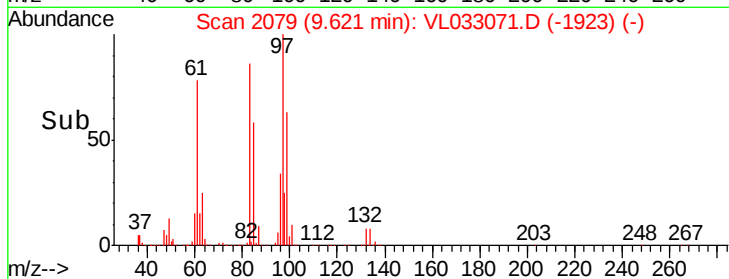
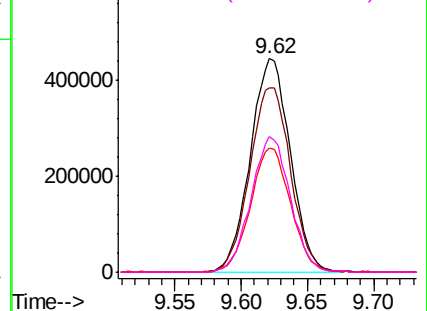
#47
 1,1,2-Trichloroethane
 Concen: 9.182 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion: 97 Resp: 937228
 Ion Ratio Lower Upper
 97 100
 83 86.1 69.4 104.2
 85 57.8 44.2 66.2
 99 63.4 48.9 73.3

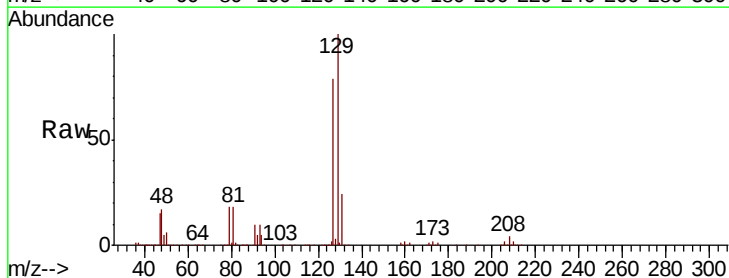


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

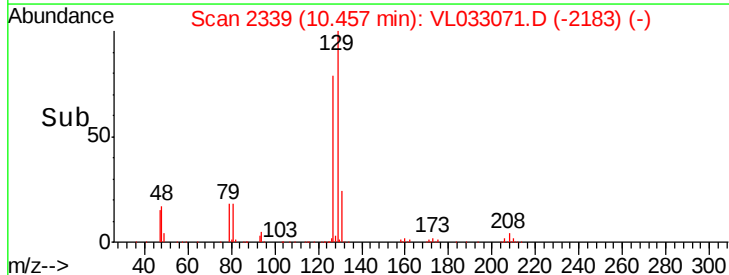
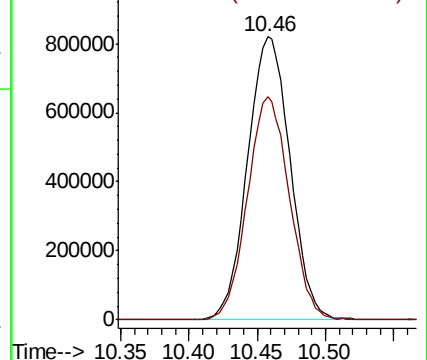


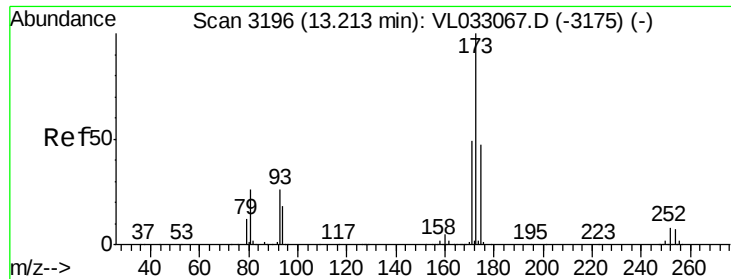
#48
 Dibromochloromethane
 Concen: 9.836 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 129 Resp: 1773946
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.1 117.3



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





#49

Bromoform

Concen: 9.715 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

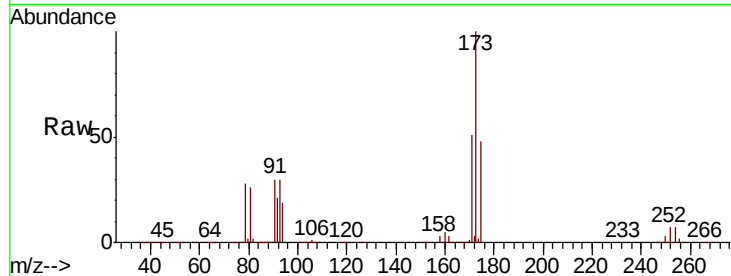
Tgt Ion:173 Resp: 1530870

Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

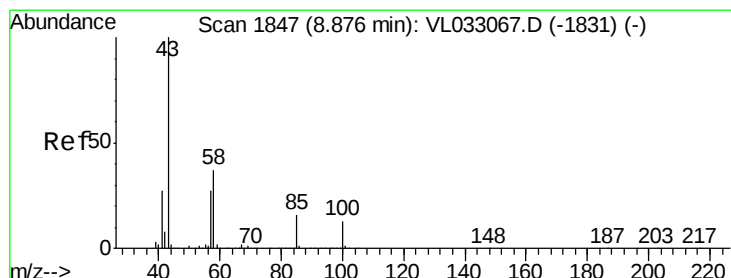
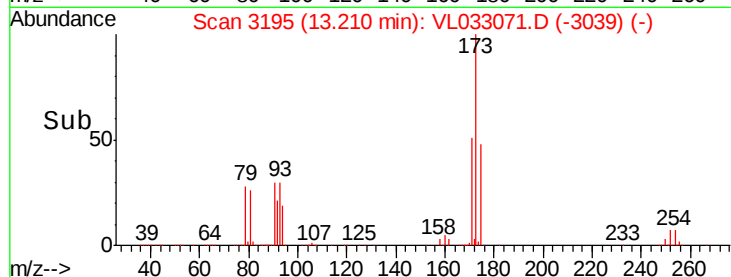
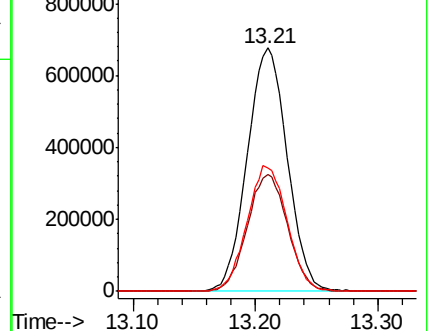
171 51.7 42.1 63.1



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: 10.149 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL033071.D

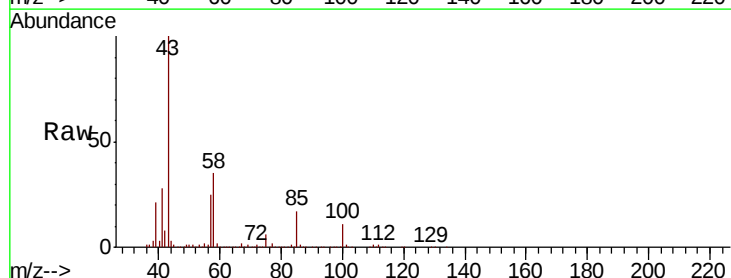
Acq: 4 Jan 2019 17:06

Tgt Ion: 43 Resp: 2121500

Ion Ratio Lower Upper

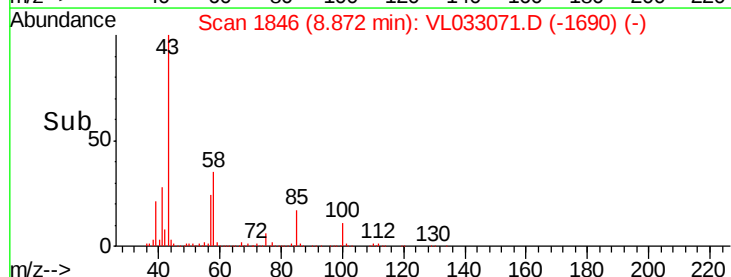
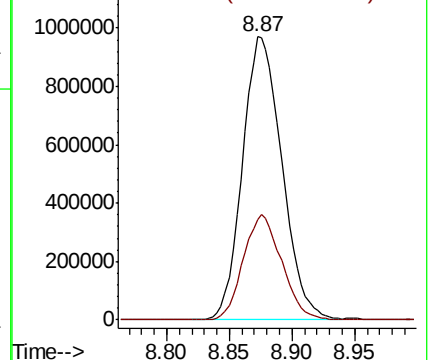
43 100

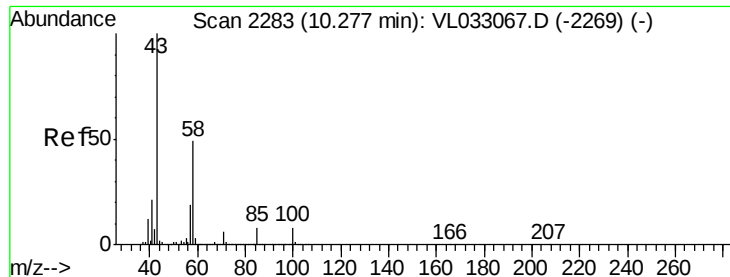
58 36.4 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

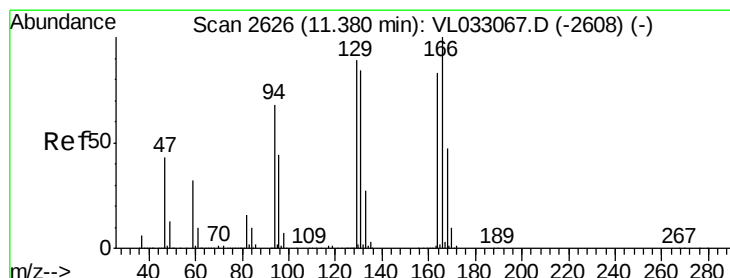
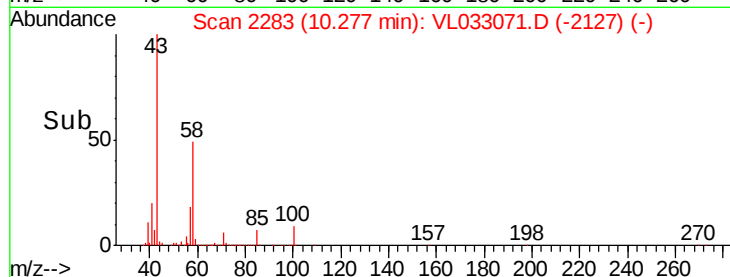
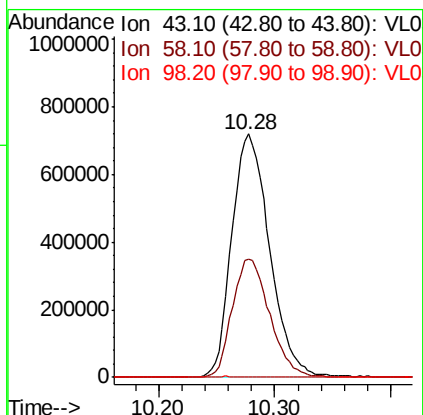
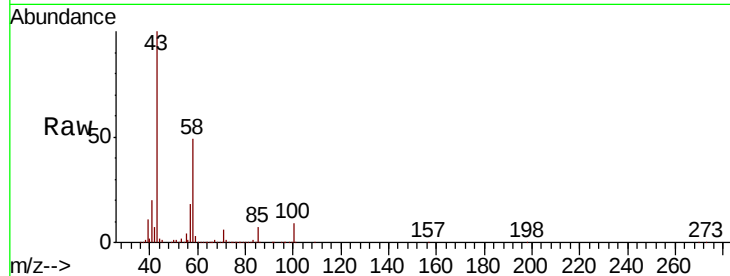




#51
2-Hexanone
Concen: 10.735 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

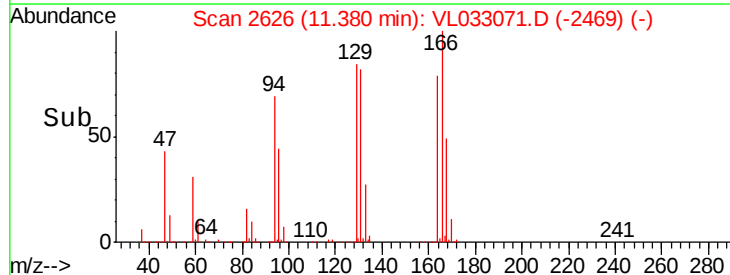
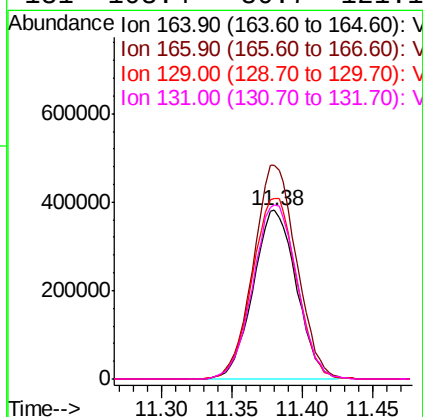
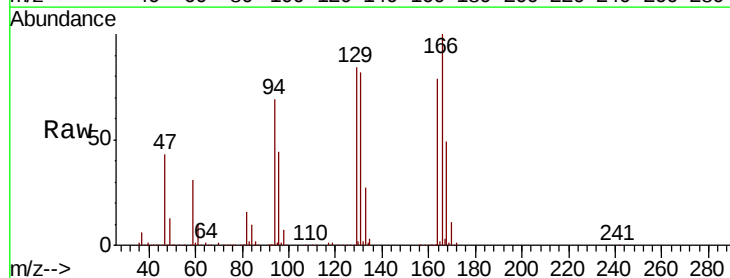
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

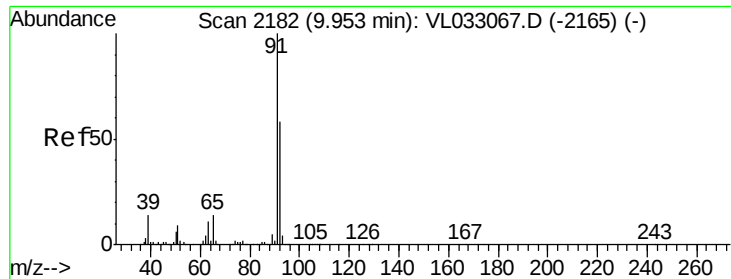
Tgt Ion: 43 Resp: 1623577
Ion Ratio Lower Upper
43 100
58 48.4 39.0 58.6
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.912 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion: 164 Resp: 814834
Ion Ratio Lower Upper
164 100
166 126.7 100.8 151.2
129 106.8 84.6 126.8
131 103.4 80.7 121.1





#53

Toluene

Concen: 10.402 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

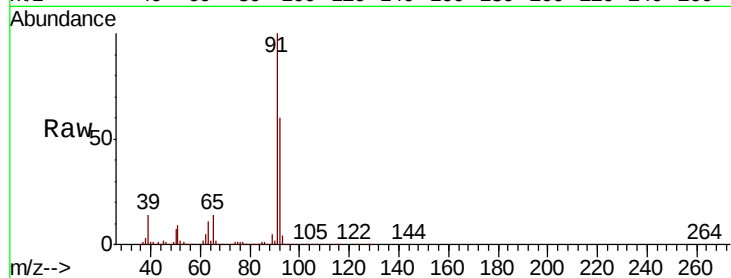
VL0104ABS01

Tgt Ion: 91 Resp: 2592591

Ion Ratio Lower Upper

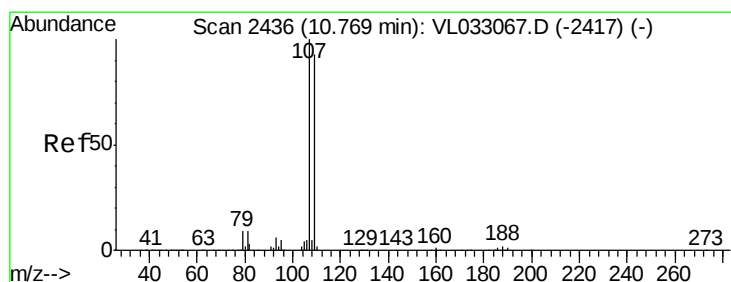
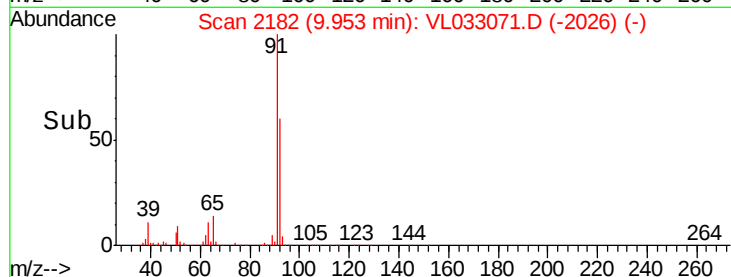
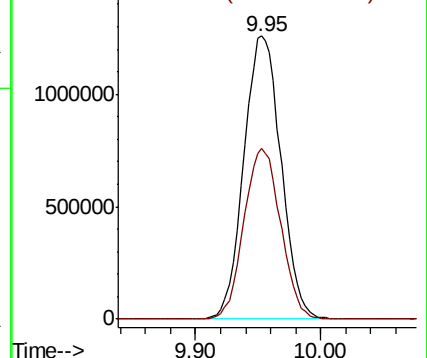
91 100

92 59.6 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.085 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033071.D

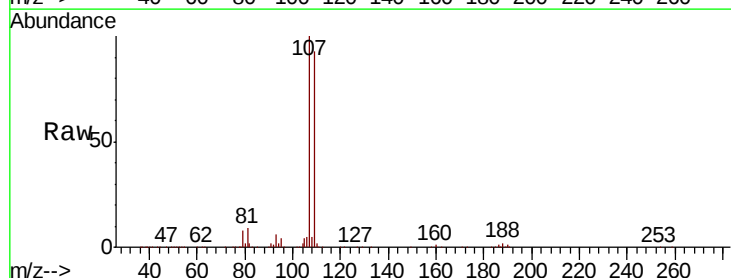
Acq: 4 Jan 2019 17:06

Tgt Ion: 107 Resp: 1483261

Ion Ratio Lower Upper

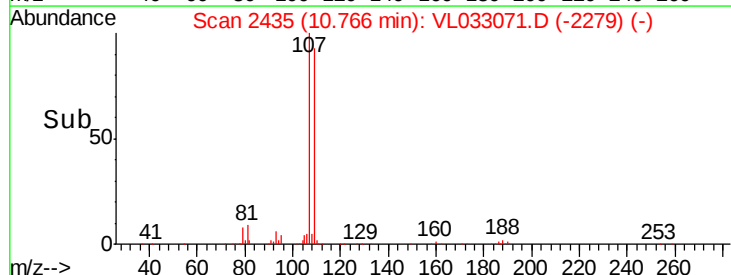
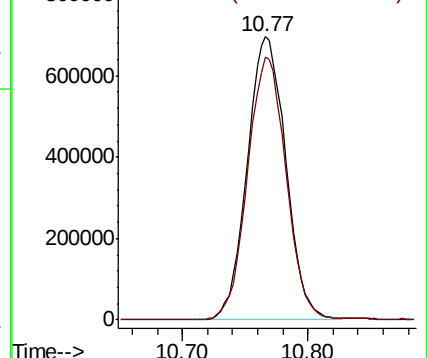
107 100

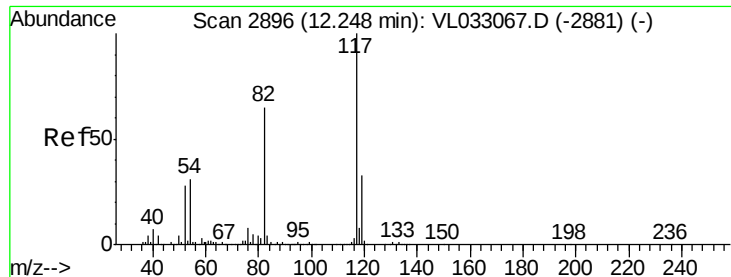
109 93.1 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

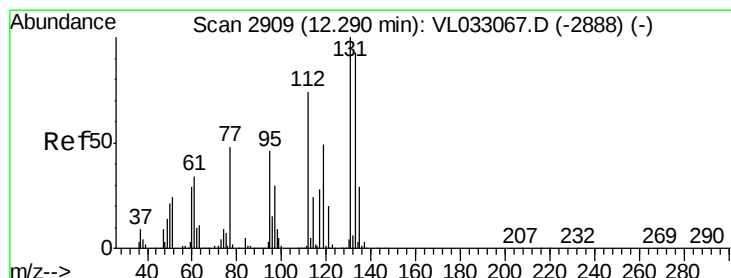
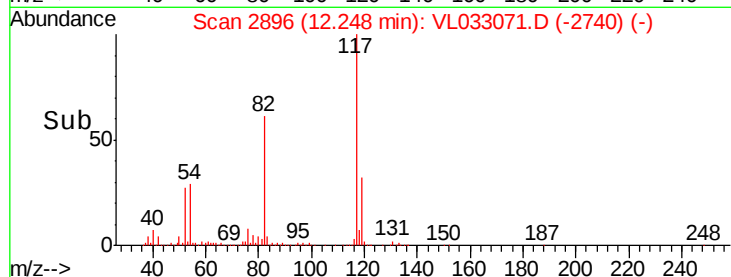
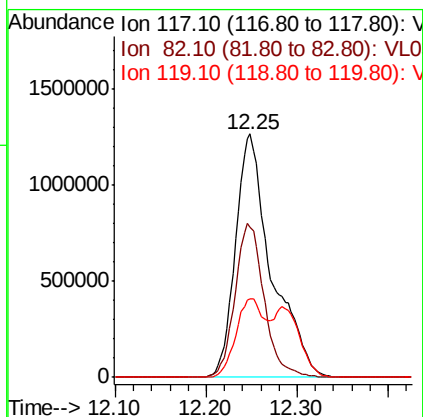
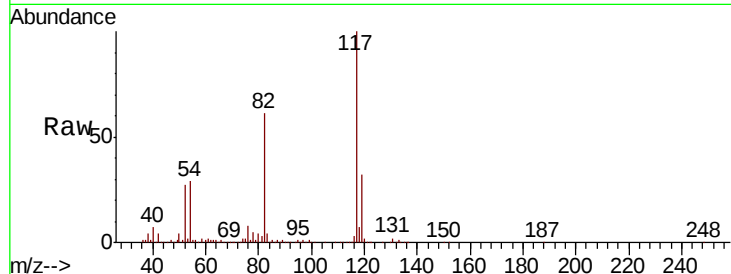




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

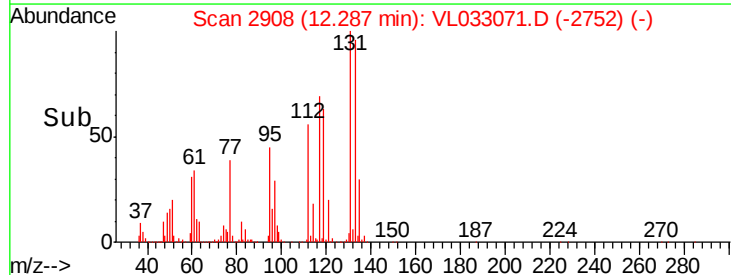
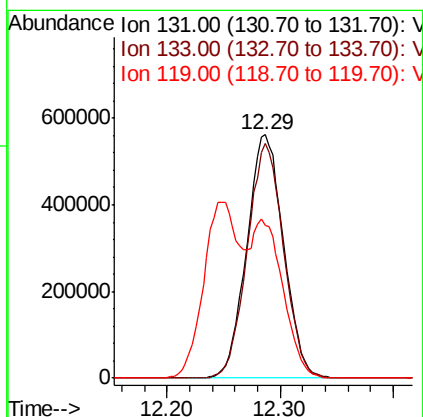
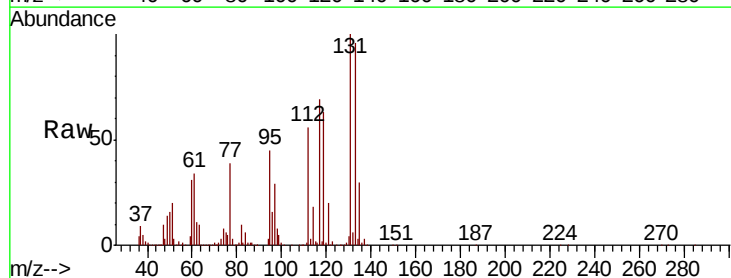
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

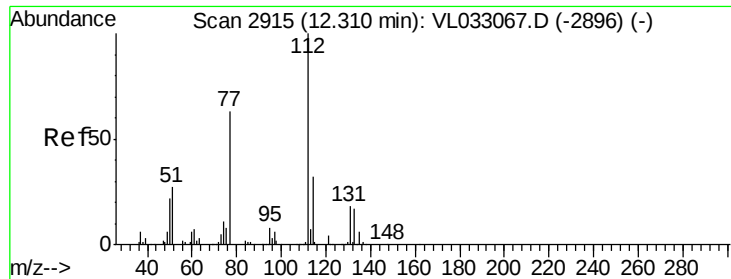
Tgt Ion:117 Resp: 3479881
Ion Ratio Lower Upper
117 100
82 51.2 48.9 73.3
119 25.3 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.049 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion:131 Resp: 1267407
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 55.8 44.2 66.2





#57

Chlorobenzene

Concen: 7.049 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

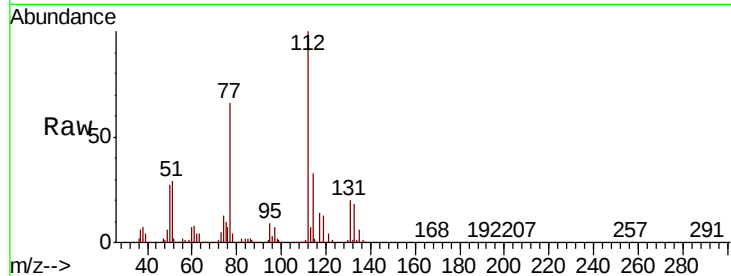
Tgt Ion: 112 Resp: 2047553

Ion Ratio Lower Upper

112 100

77 66.0 53.4 80.0

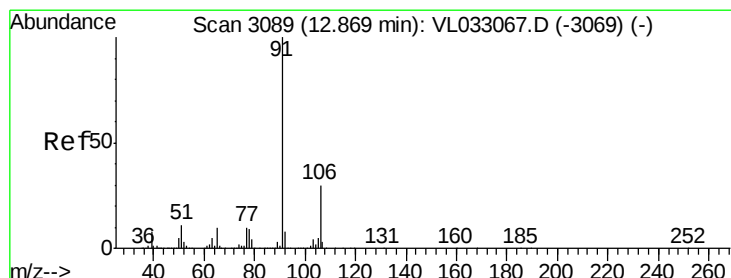
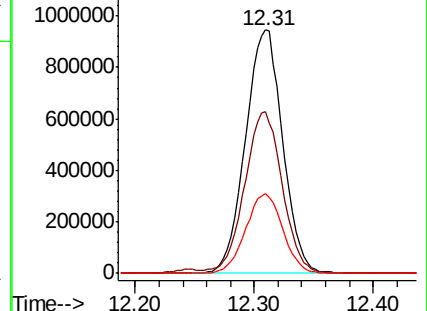
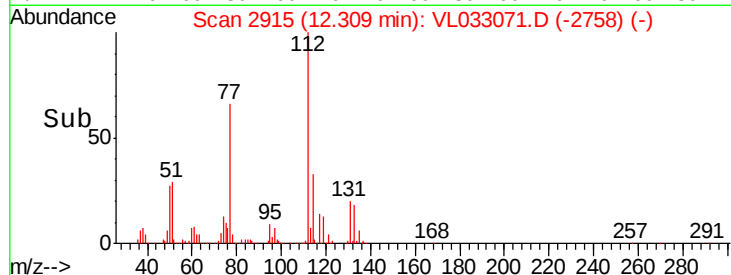
114 32.7 30.0 36.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.150 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. 0.00 min

Lab File: VL033071.D

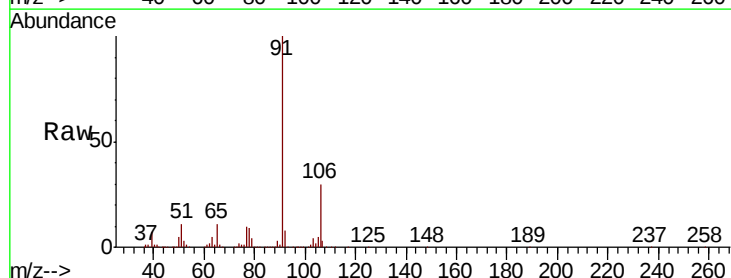
Acq: 4 Jan 2019 17:06

Tgt Ion: 91 Resp: 3580719

Ion Ratio Lower Upper

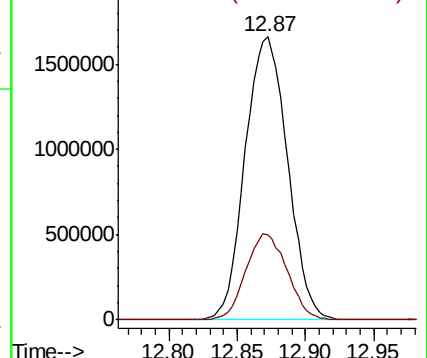
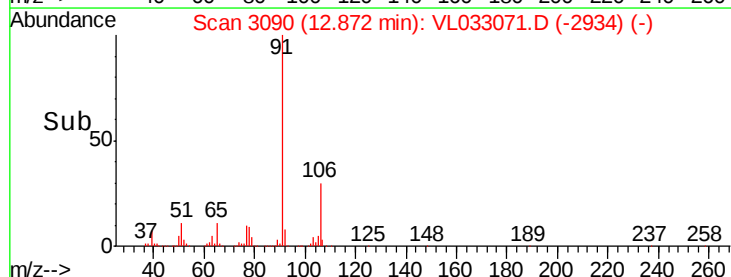
91 100

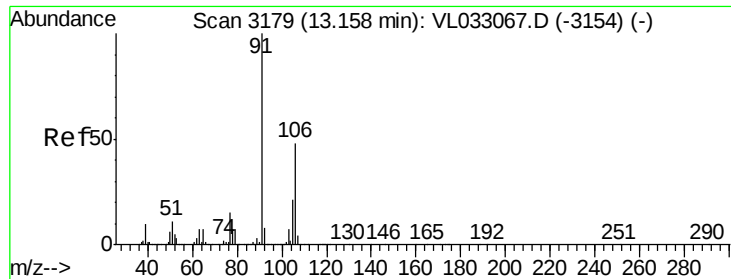
106 30.0 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

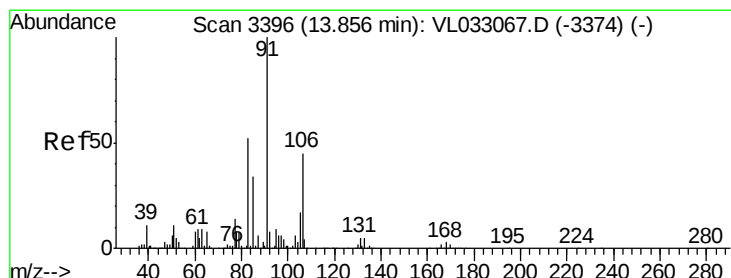
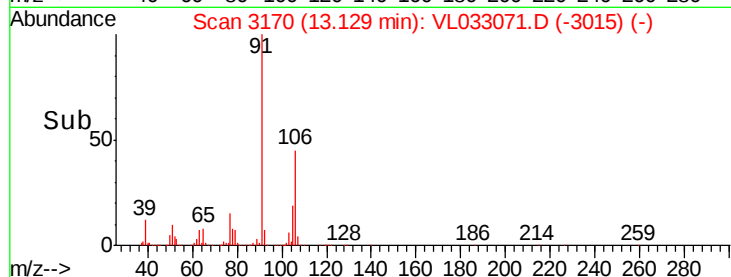
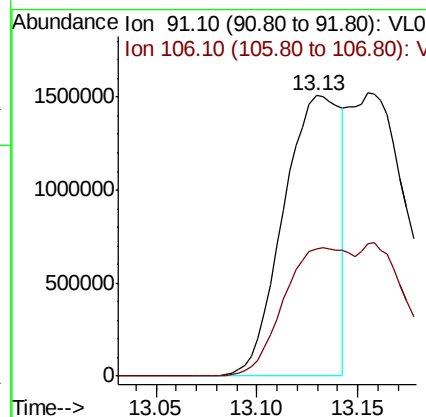
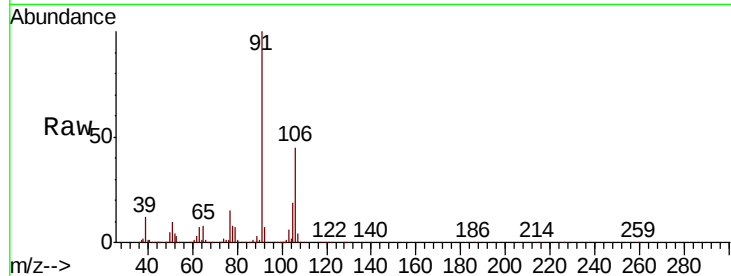




#59
m/p-Xylene
Concen: 7.306 ppbv
RT: 13.13 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

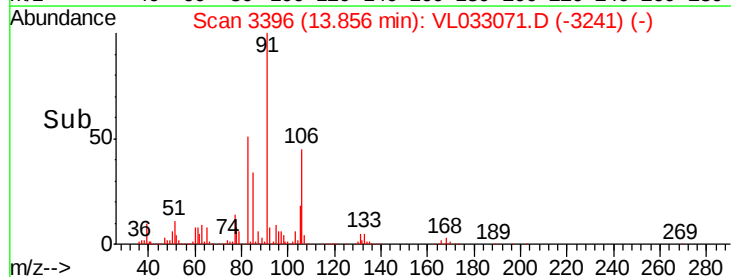
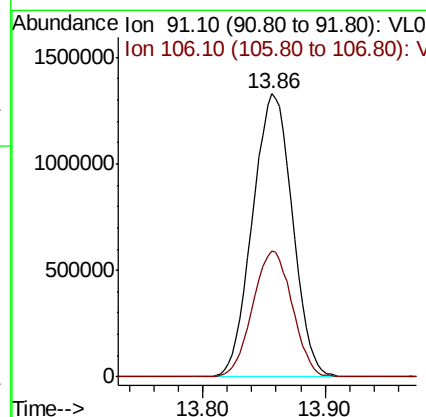
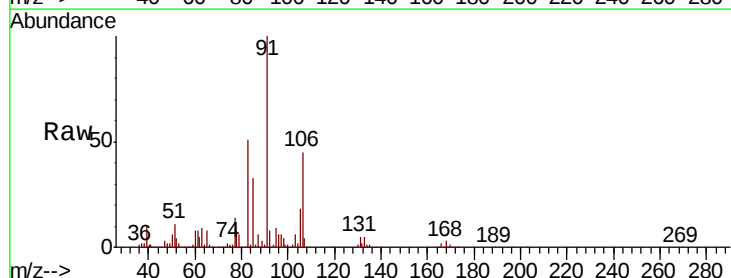
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

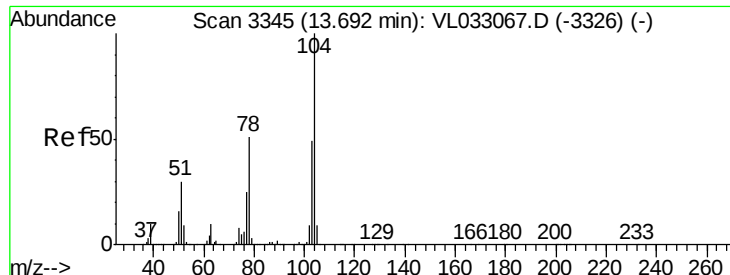
Tgt Ion: 91 Resp: 2969669
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 7.564 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion: 91 Resp: 3009604
Ion Ratio Lower Upper
91 100
106 44.1 22.1 66.5





#61

Styrene

Concen: 8.737 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

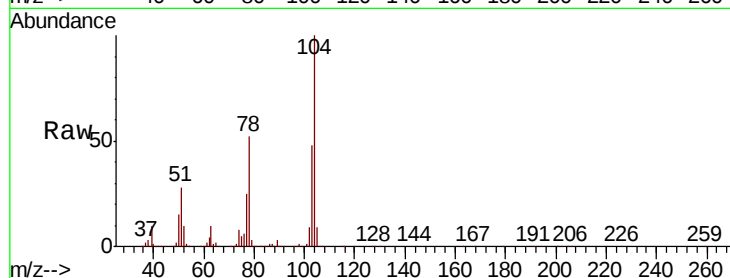
Tgt Ion:104 Resp: 2218154

Ion Ratio Lower Upper

104 100

78 52.2 41.6 62.4

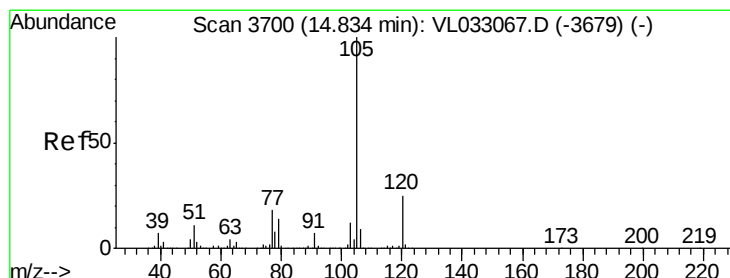
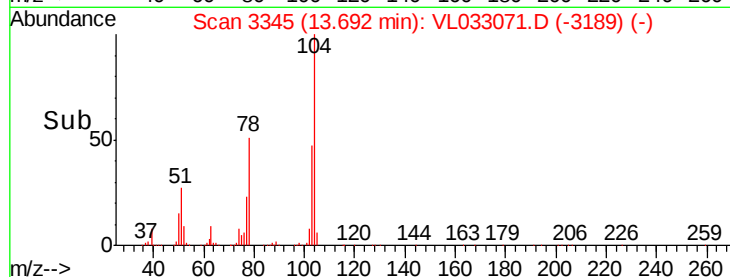
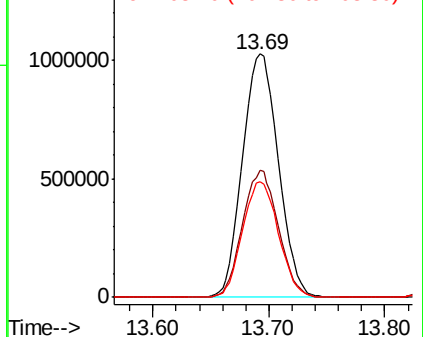
103 47.7 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.496 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. 0.00 min

Lab File: VL033071.D

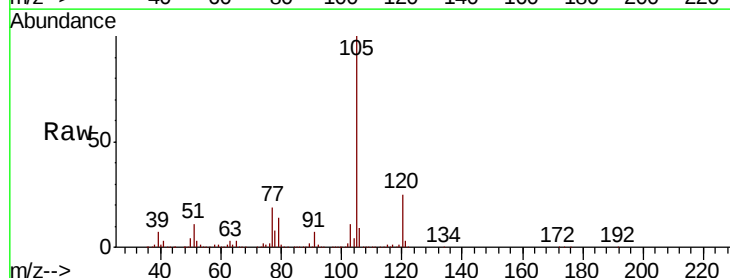
Acq: 4 Jan 2019 17:06

Tgt Ion:105 Resp: 4244550

Ion Ratio Lower Upper

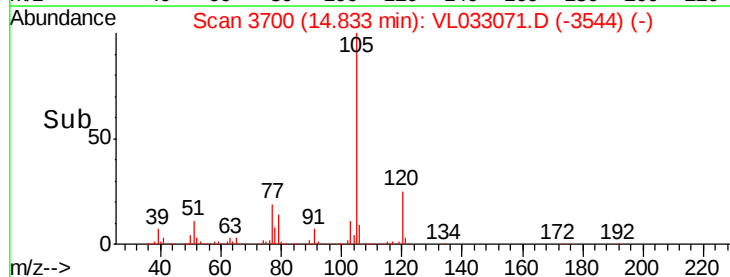
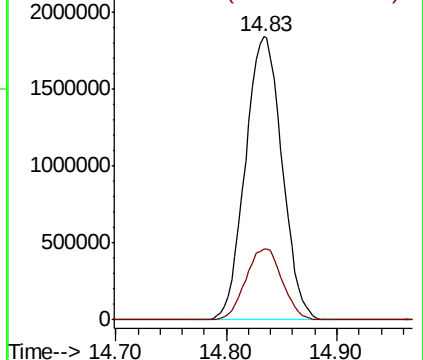
105 100

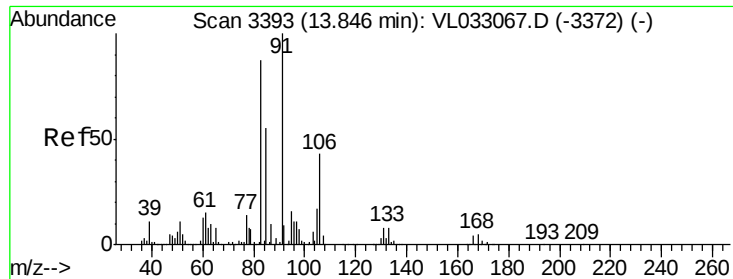
120 25.1 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

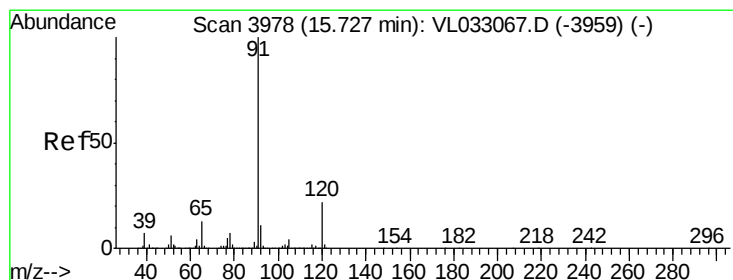
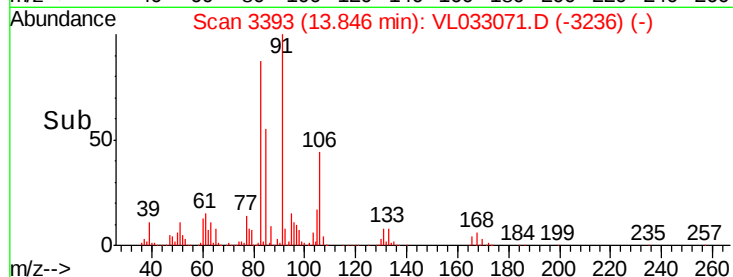
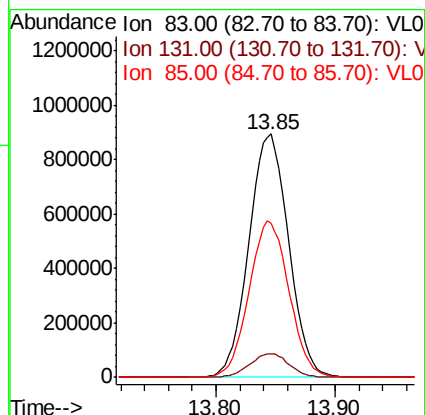
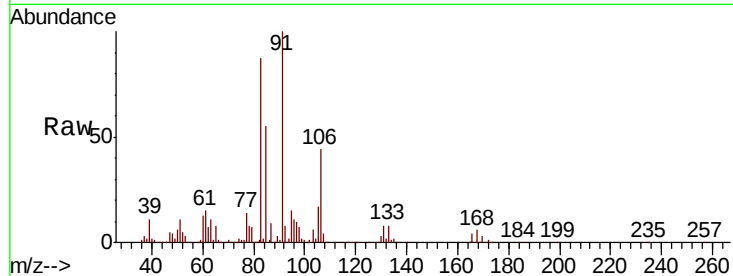




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.999 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

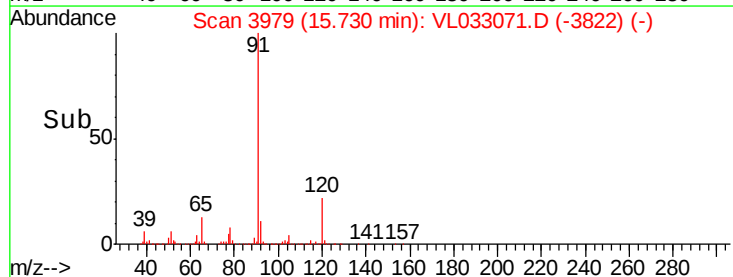
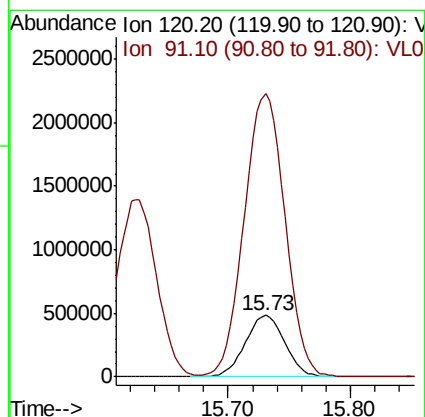
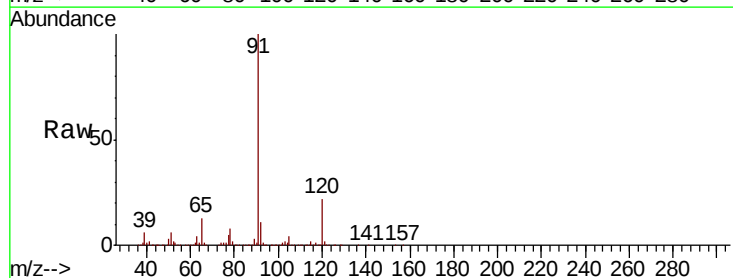
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

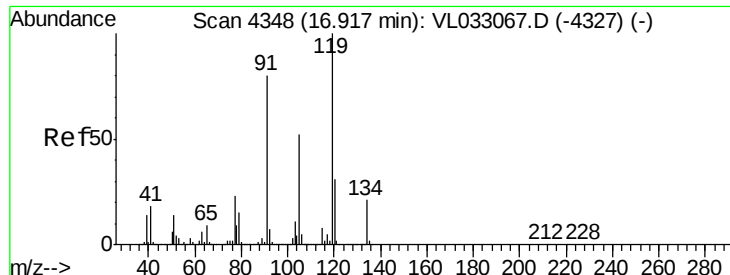
Tgt Ion: 83 Resp: 2068654
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.4
 85 64.8 32.6 97.8



#64
 n-propylbenzene
 Concen: 7.511 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 120 Resp: 1080417
 Ion Ratio Lower Upper
 120 100
 91 478.8 378.7 568.1

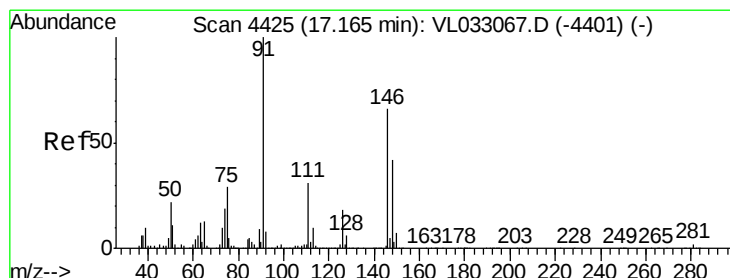
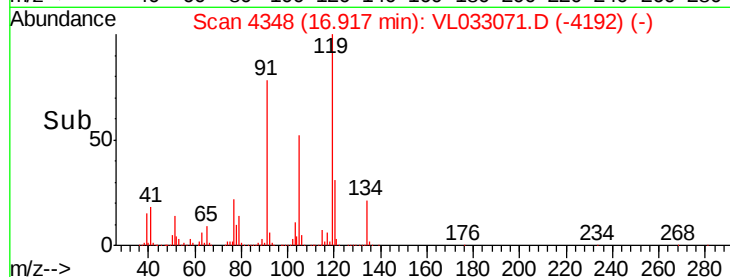
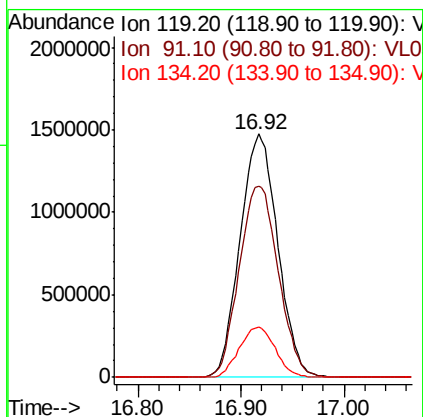
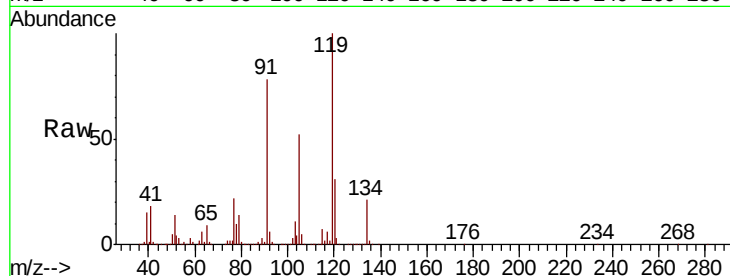




#65
tert-Butylbenzene
Concen: 7.471 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

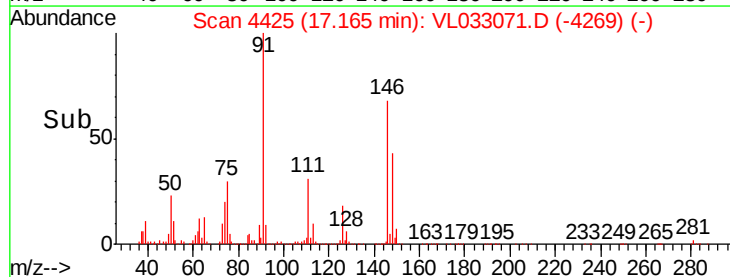
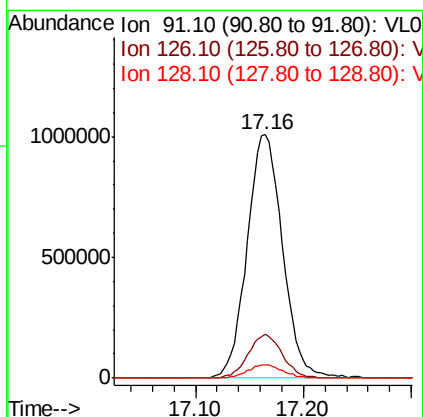
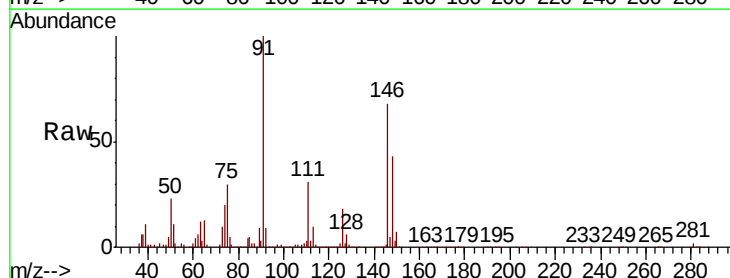
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

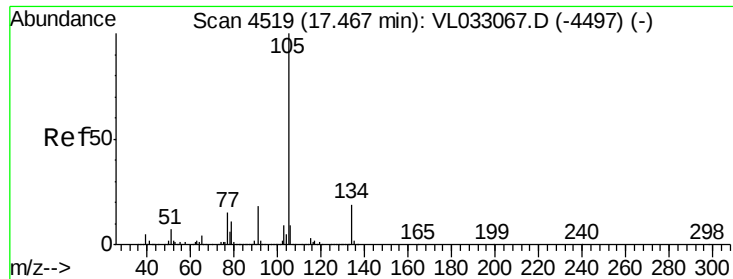
Tgt Ion: 119 Resp: 3747397
Ion Ratio Lower Upper
119 100
91 81.8 64.6 97.0
134 19.8 15.8 23.8



#66
Benzyl Chloride
Concen: 8.040 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033071.D
Acq: 4 Jan 2019 17:06

Tgt Ion: 91 Resp: 2298484
Ion Ratio Lower Upper
91 100
126 17.5 14.4 21.6
128 5.6 4.5 6.7

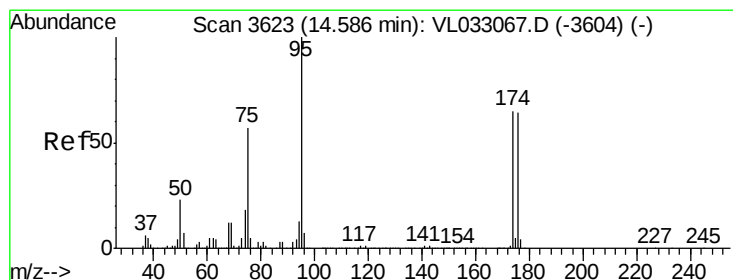
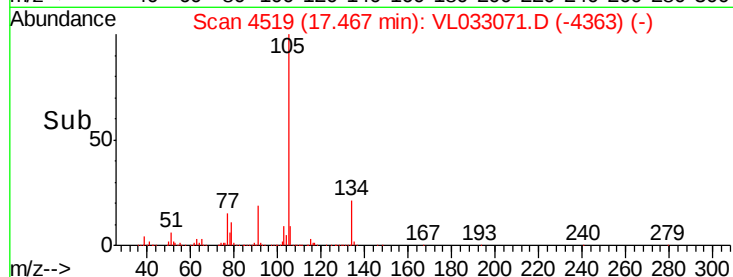
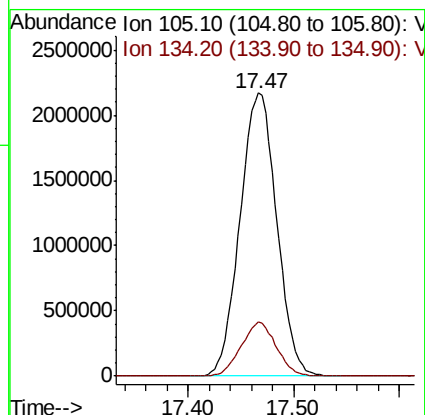
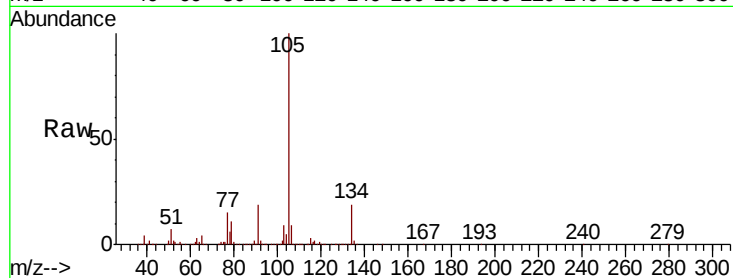




#67
 sec-Butylbenzene
 Concen: 7.311 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

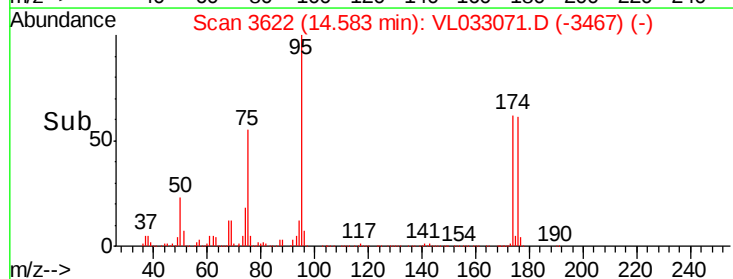
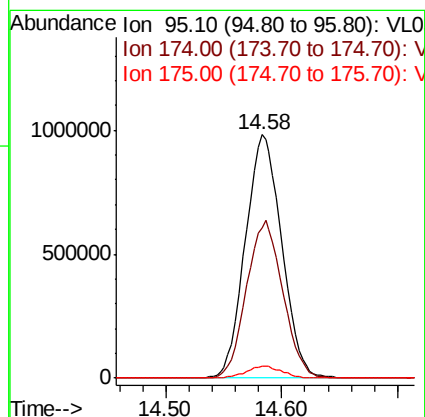
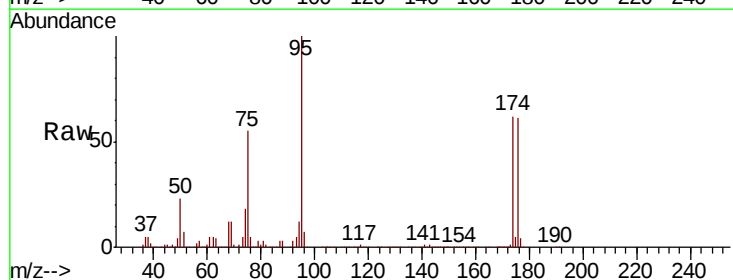
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

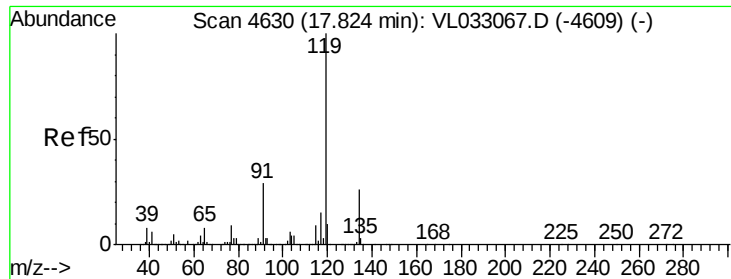
Tgt Ion: 105 Resp: 5247846
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.041 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 95 Resp: 2144912
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.9 77.9
 175 4.9 3.9 5.9

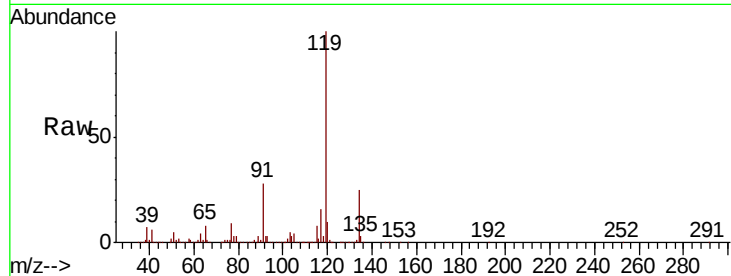




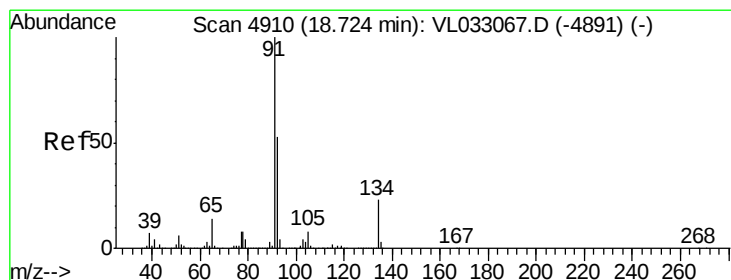
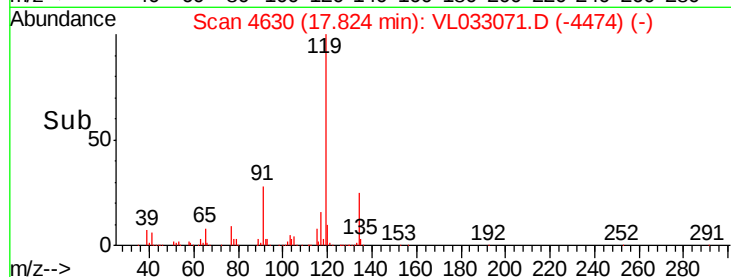
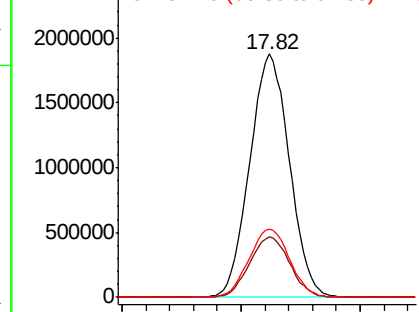
#69
 p-Isopropyltoluene
 Concen: 7.427 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion: 119 Resp: 4326710
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.1 30.1
 91 28.8 23.0 34.4

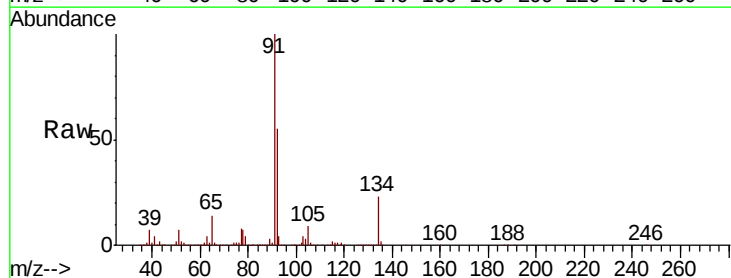


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

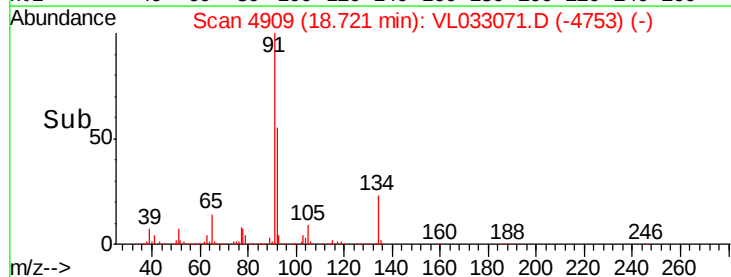
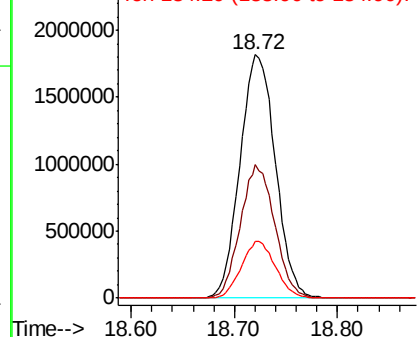


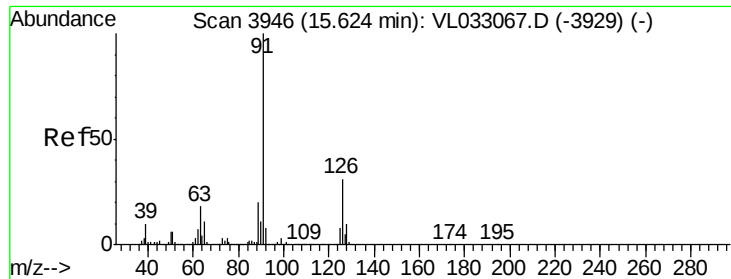
#70
 n-Butylbenzene
 Concen: 7.395 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion: 91 Resp: 4330808
 Ion Ratio Lower Upper
 91 100
 92 53.1 42.4 63.6
 134 22.5 18.0 27.0



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: 7.823 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

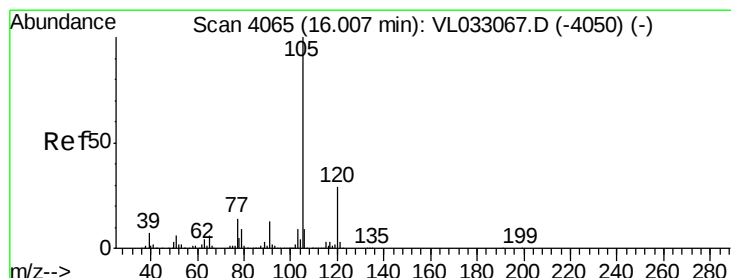
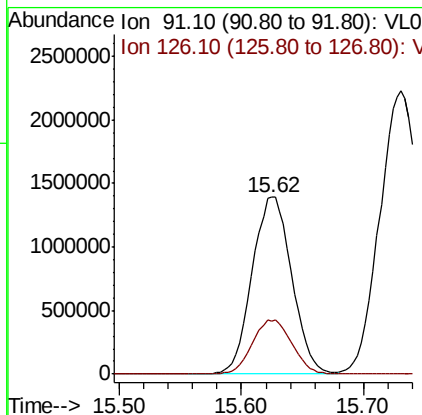
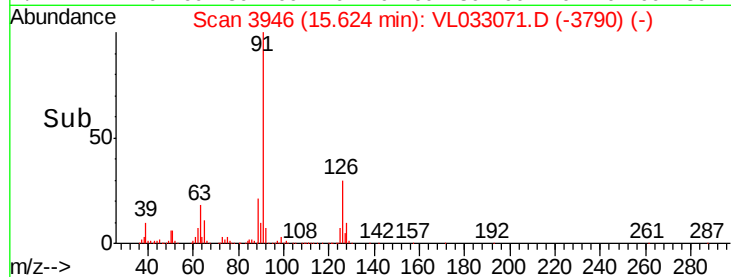
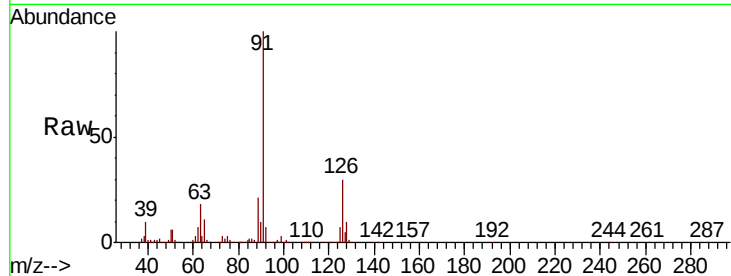
VL0104ABS01

Tgt Ion: 91 Resp: 3141628

Ion Ratio Lower Upper

91 100

126 30.7 12.4 49.6



#72

4-Ethyltoluene

Concen: 7.928 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Tgt Ion: 105 Resp: 3466709

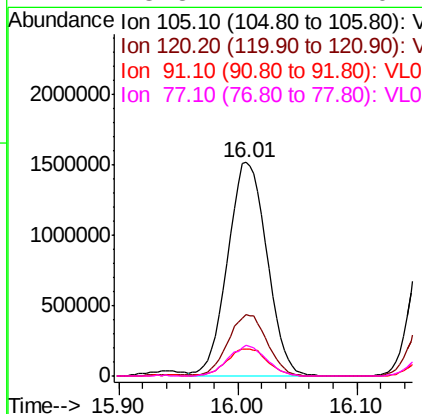
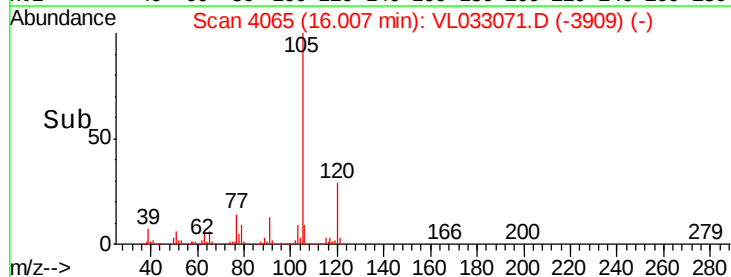
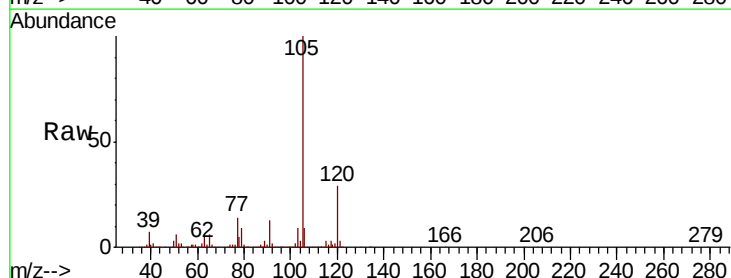
Ion Ratio Lower Upper

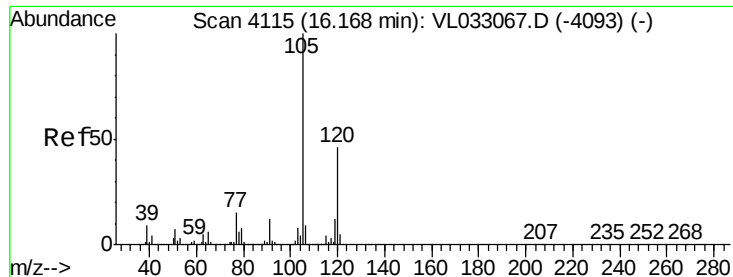
105 100

120 29.3 23.0 34.6

91 13.0 10.3 15.5

77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.623 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

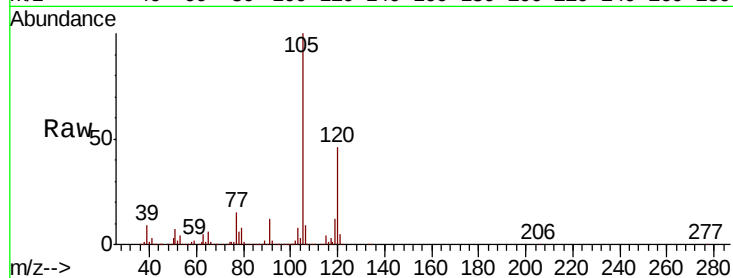
VL0104ABS01

Tgt Ion:105 Resp: 3288817

Ion Ratio Lower Upper

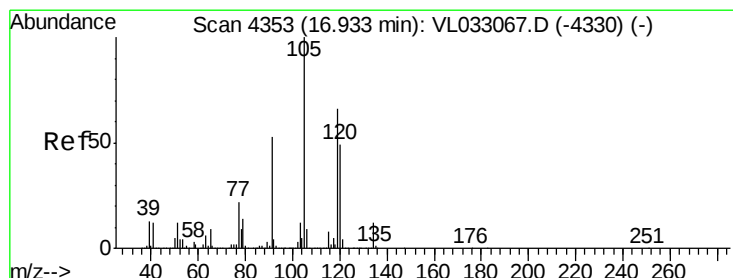
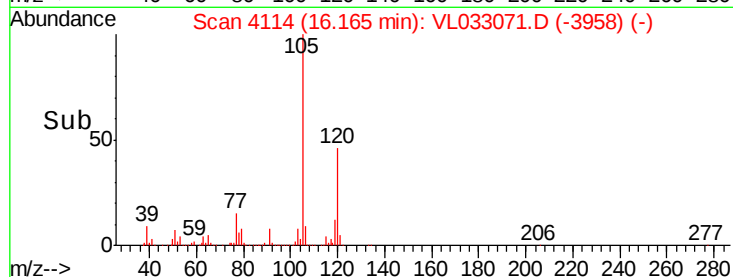
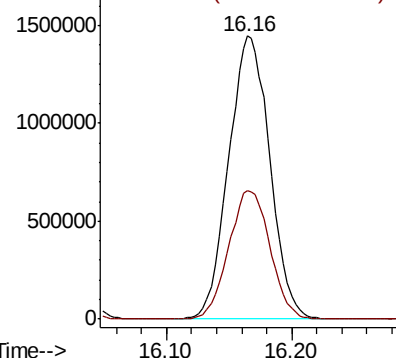
105 100

120 45.5 36.1 54.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.137 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Tgt Ion:105 Resp: 3410152

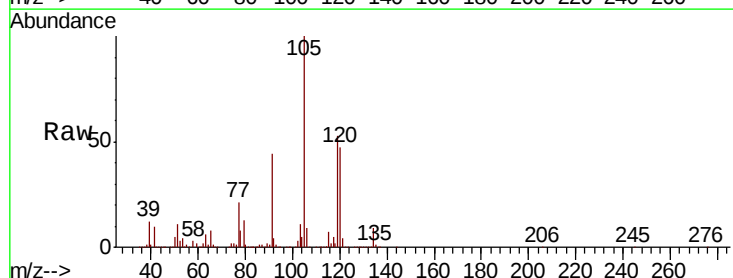
Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.4

91 43.6 35.4 53.0

77 20.7 17.1 25.7

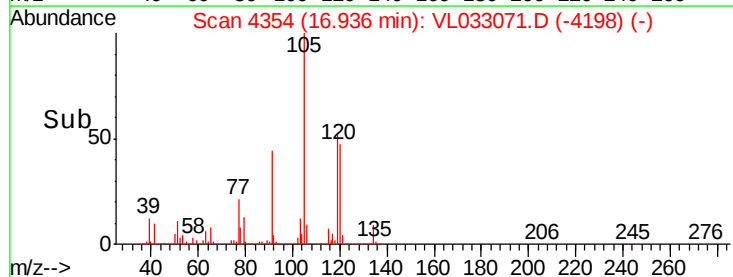
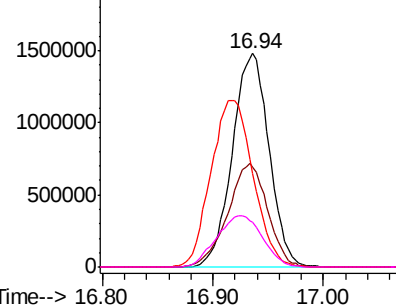


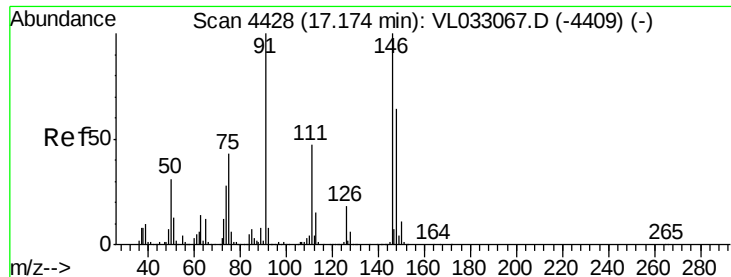
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 6.765 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

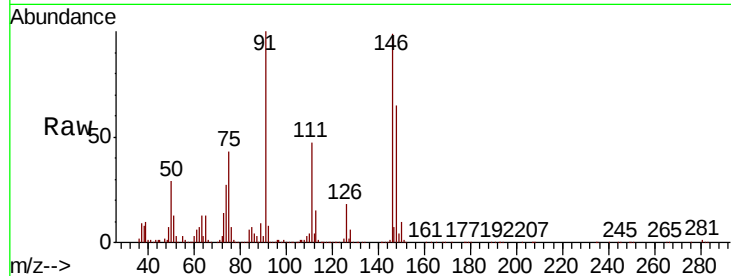
Tgt Ion:146 Resp: 1902609

Ion Ratio Lower Upper

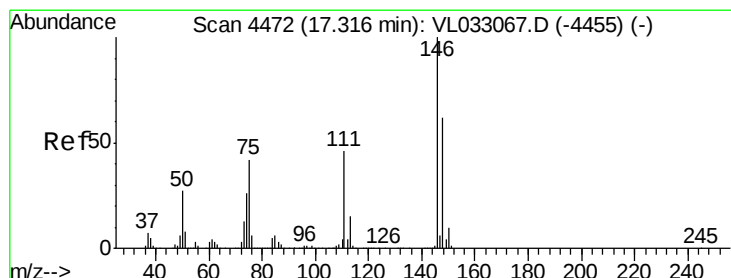
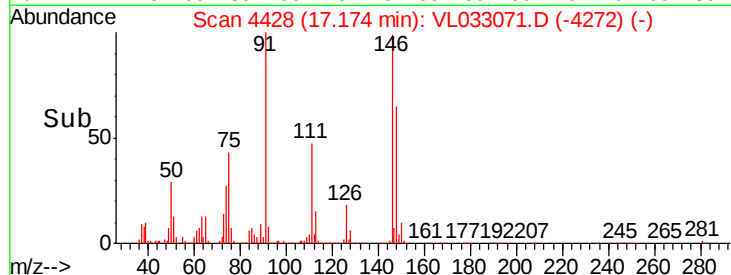
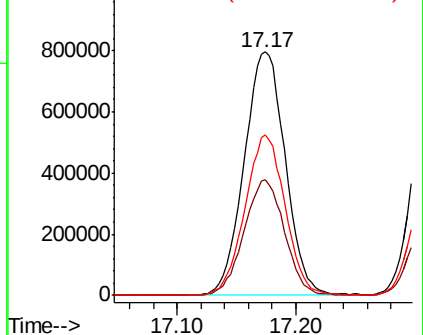
146 100

111 46.8 23.4 70.2

148 64.4 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: 7.266 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

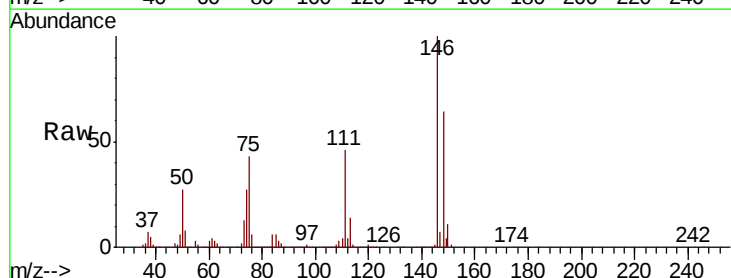
Tgt Ion:146 Resp: 1861702

Ion Ratio Lower Upper

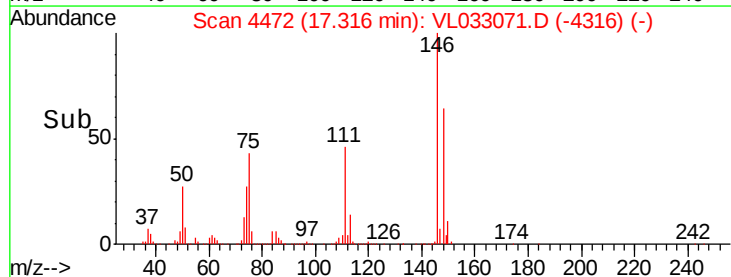
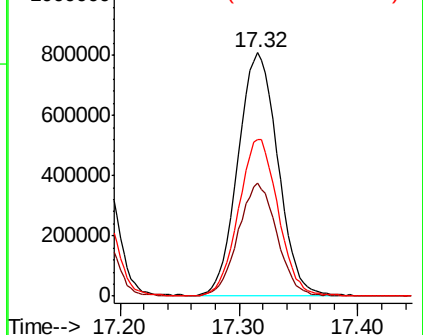
146 100

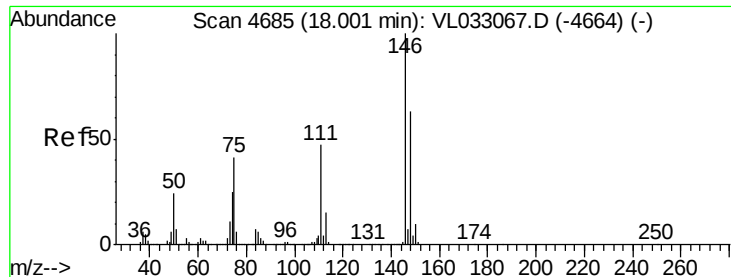
111 45.5 22.7 68.1

148 64.5 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

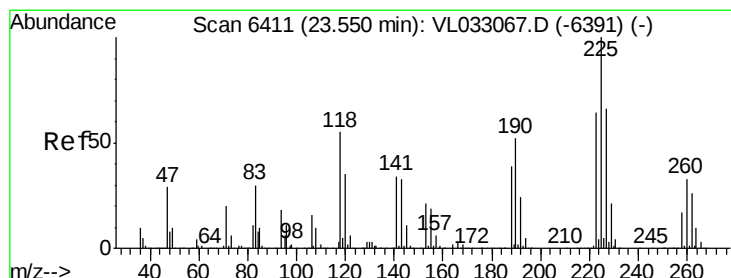
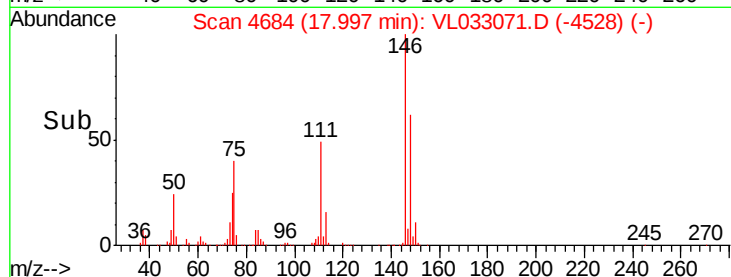
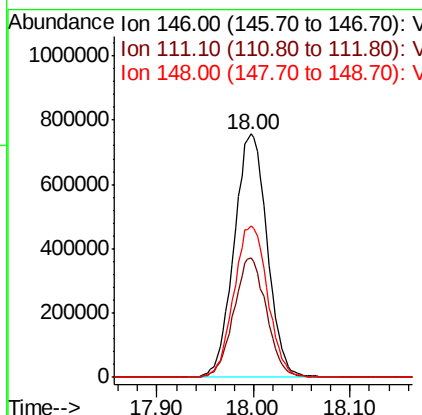
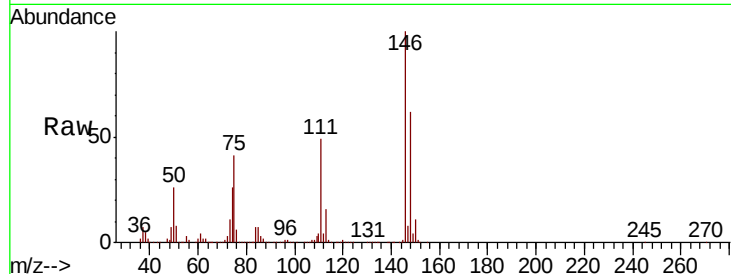




#77
 1,2-Dichlorobenzene
 Concen: 7.103 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

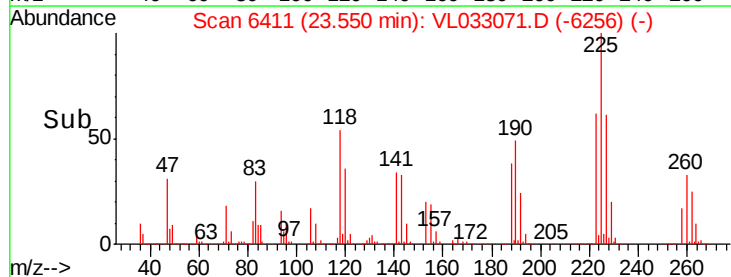
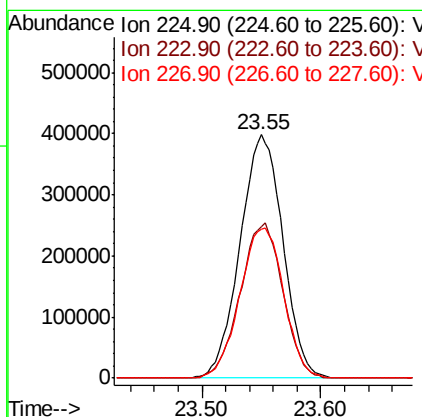
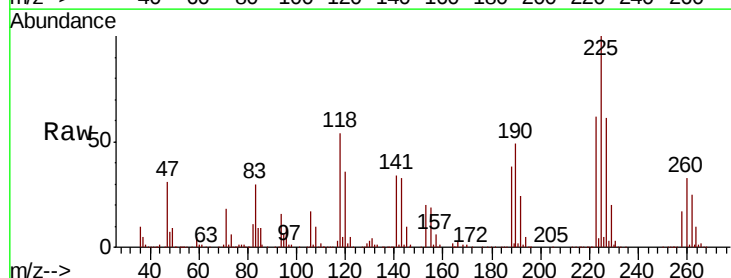
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

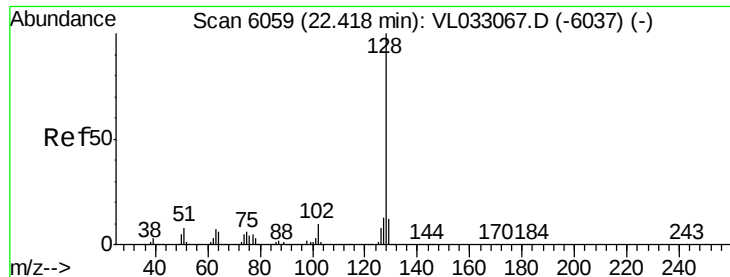
Tgt Ion:146 Resp: 1799232
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.4 73.2
 148 63.8 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.094 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Tgt Ion:225 Resp: 991006
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.0 76.6
 227 63.3 51.0 76.4





#79

Naphthalene

Concen: 8.017 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. -0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

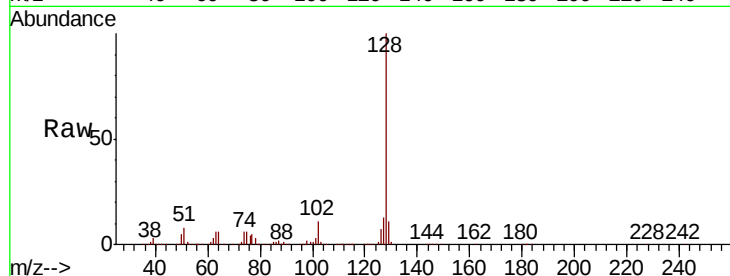
Tgt Ion:128 Resp: 3226748

Ion Ratio Lower Upper

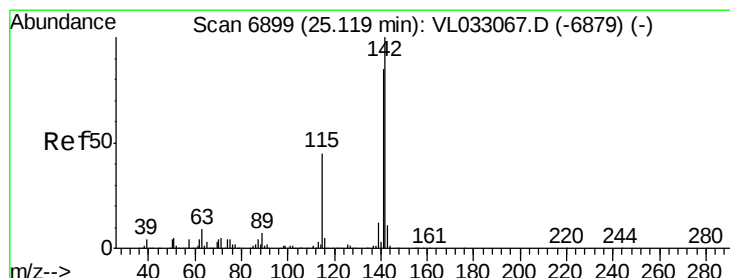
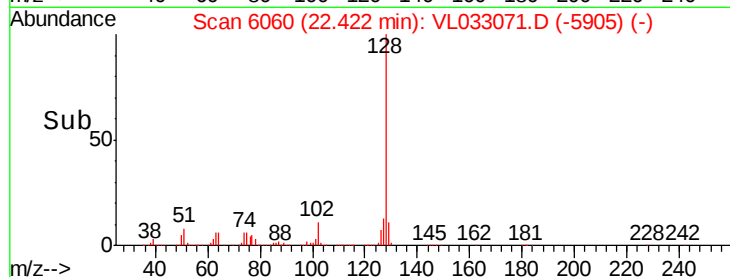
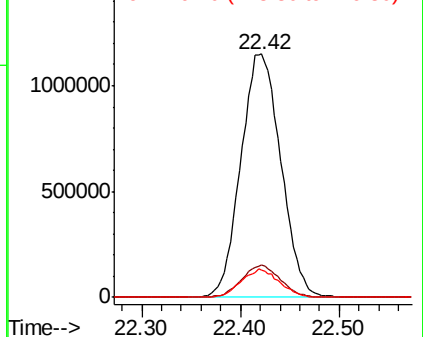
128 100

127 13.3 11.0 16.6

129 11.2 9.4 14.0



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.135 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL033071.D

Acq: 4 Jan 2019 17:06

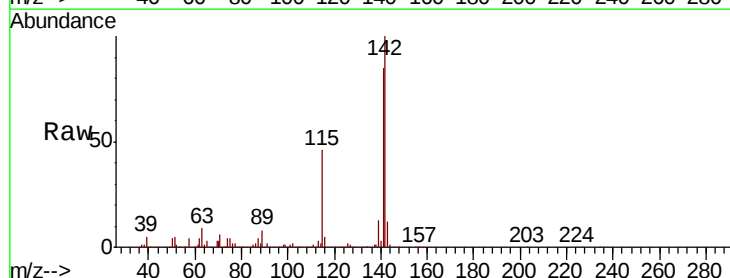
Tgt Ion:142 Resp: 1237902

Ion Ratio Lower Upper

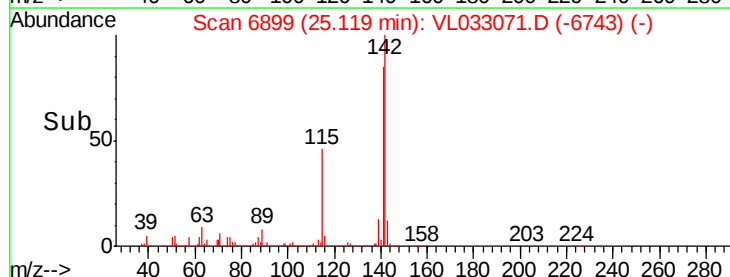
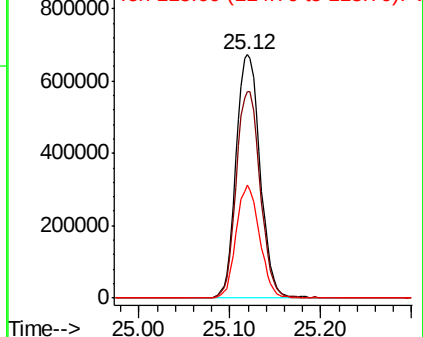
142 100

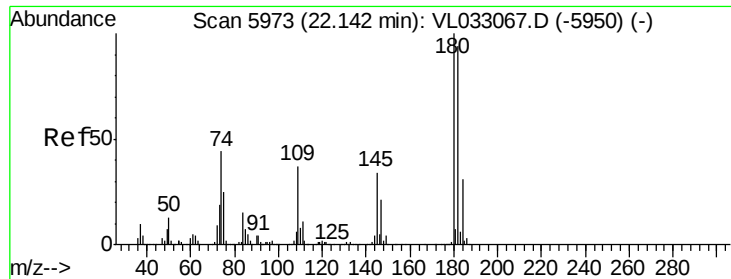
141 85.0 68.6 103.0

115 45.3 35.6 53.4



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





#81
 1,2,4-Trichlorobenzene
 Concen: 7.654 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. 0.00 min
 Lab File: VL033071.D
 Acq: 4 Jan 2019 17:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion:180 Resp: 1488165
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.5 24.6 37.0

