

Data File : VL032749.D

Acq On : 14 Nov 2018 6:54

Operator : SY/AP

Sample : VSTDICICV

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

Quant Time: Nov 14 07:36:37 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018

QLast Update : Wed Nov 14 07:00:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1643570	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4258676	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4957226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3006378	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2046415	8.662	ppbv	99
3) Chlorodifluoromethane	3.02	51	1175715	9.023	ppbv	98
4) Chloromethane	3.18	50	661639	9.157	ppbv	96
5) Vinyl Chloride	3.30	62	674726	8.813	ppbv	98
6) Bromomethane	3.53	94	433007	9.245	ppbv	99
7) Chloroethane	3.61	64	252766	9.160	ppbv	95
8) Dichlorotetrafluoroethane	3.23	85	1603885	8.615	ppbv	99
9) Propene	3.04	41	520628	9.984	ppbv	99
10) Heptane	8.26	43	2015185	10.123	ppbv	99
11) Trichlorofluoromethane	4.01	101	1762272	7.915	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1550953	8.528	ppbv	99
13) Ethanol	3.66	45	135761	7.949	ppbv	97
14) Bromoethene	3.80	108	552051	9.150	ppbv	99
15) Acetone	3.91	43	1140120	7.596	ppbv	100
16) 1,3-Butadiene	3.37	39	563999	9.703	ppbv	94
17) tert-Butyl alcohol	4.37	59	454574	9.656	ppbv	100
18) 1,1-Dichloroethene	4.36	96	788709	8.819	ppbv	99
19) Isopropyl Alcohol	4.03	45	924409	9.245	ppbv	99
20) Methylene Chloride	4.42	84	664542	8.552	ppbv	98
21) Allyl Chloride	4.49	41	1161304	9.207	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	723377	8.284	ppbv	98
23) Vinyl Acetate	5.17	43	2791887	10.204	ppbv	99
24) 1,1-Dichloroethane	5.10	63	2032155	9.342	ppbv	99
25) Ethyl Acetate	5.78	43	3282216	9.382	ppbv	99
26) Hexane	5.79	57	1515064	9.729	ppbv	99
27) Carbon Disulfide	4.63	76	1819256	9.213	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2535446	10.210	ppbv	99
29) Chloroform	5.86	83	2495975	8.993	ppbv	98
30) Cyclohexane	7.26	84	1391506	10.217	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1585682	10.128	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	2677486	8.801	ppbv	99
34) 2-Butanone	5.34	43	2163782	9.796	ppbv	100
35) Carbon Tetrachloride	7.14	117	2856173	8.343	ppbv	99
36) Benzene	7.02	78	3335133	9.835	ppbv	99
37) 1,2-Dichloroethane	6.43	62	2027611	8.882	ppbv	98
38) Trichloroethene	7.97	130	1287114	9.378	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1250381	9.677	ppbv	96
40) 1,4-Dioxane	7.97	88	229469	4.972	ppbv #	1
41) Tetrahydrofuran	6.16	42	1324811	10.456	ppbv	99
42) Bromodichloromethane	7.93	83	2853227	9.220	ppbv	97
43) Methyl Methacrylate	8.15	69	1322861	10.449	ppbv	99

Data File : VL032749.D
Acq On : 14 Nov 2018 6:54
Operator : SY/AP
Sample : VSTDICICV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

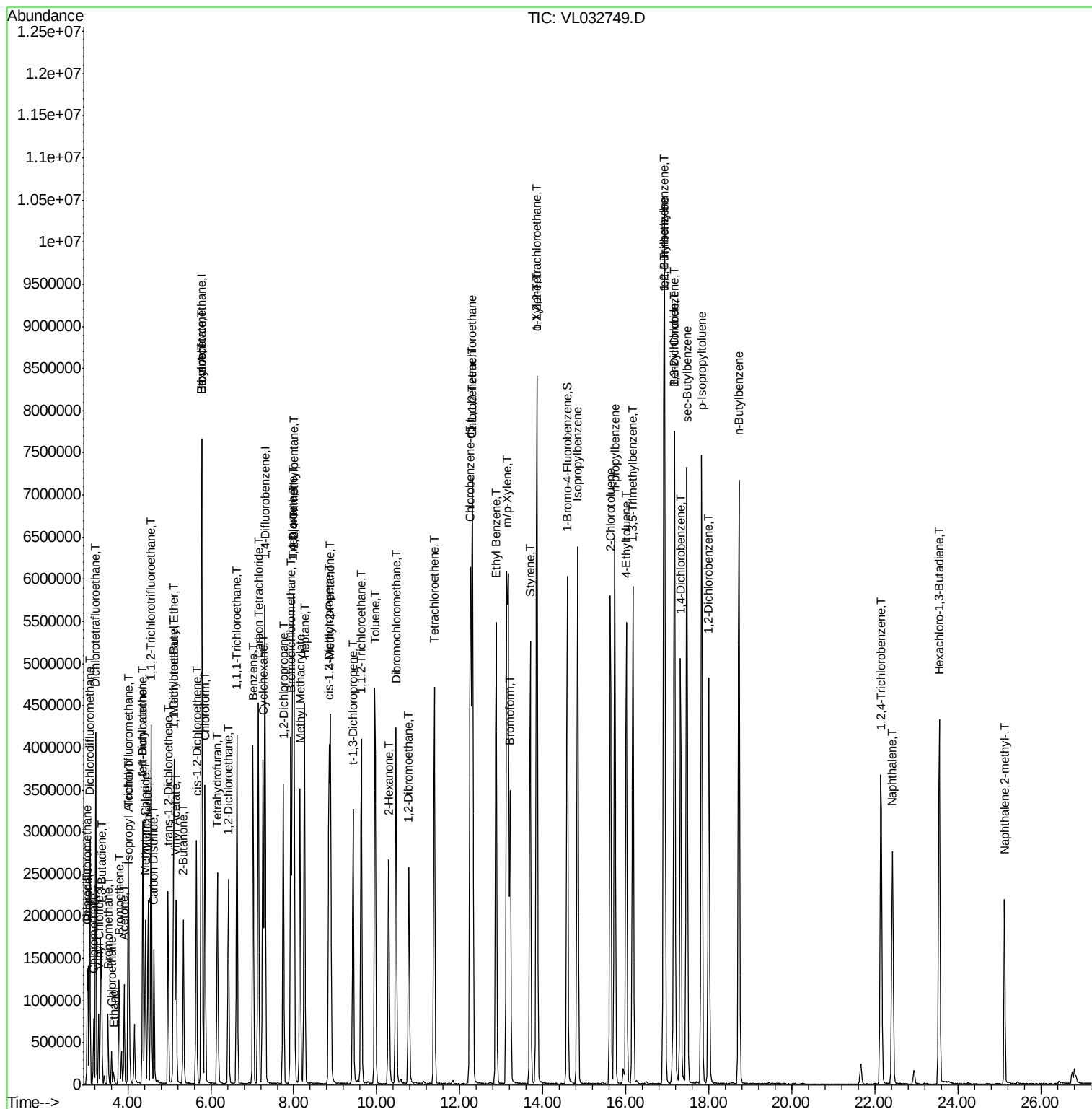
Quant Time: Nov 14 07:36:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

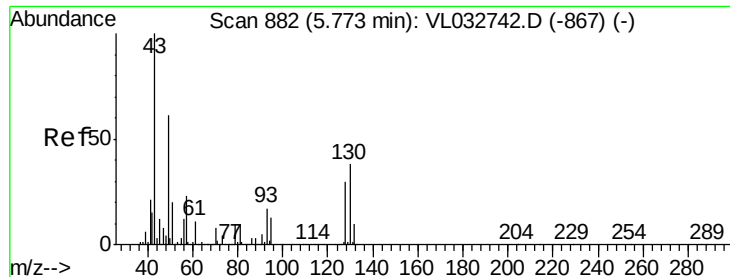
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5482199	9.674	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1965256	11.568	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	2242546	10.926	ppbv	96
47) 1,1,2-Trichloroethane	9.63	97	1457401	9.539	ppbv	98
48) Dibromochloromethane	10.46	129	2636160	10.152	ppbv	99
49) Bromoform	13.22	173	2016598	9.403	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3443263	9.981	ppbv	100
51) 2-Hexanone	10.28	43	2435723	10.959	ppbv	99
52) Tetrachloroethene	11.38	164	1152873	9.773	ppbv	96
53) Toluene	9.96	91	3796220	10.730	ppbv	100
54) 1,2-Dibromoethane	10.77	107	2115826	9.797	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1700949	7.357	ppbv	100
57) Chlorobenzene	12.31	112	2843711	7.494	ppbv	98
58) Ethyl Benzene	12.87	91	5097509	8.544	ppbv	99
59) m/p-Xylene	13.14	91	4141485	7.798	ppbv #	31
60) o-Xylene	13.86	91	4106229	7.689	ppbv	99
61) Styrene	13.70	104	3193424	9.186	ppbv	99
62) Isopropylbenzene	14.83	105	5782282	8.011	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2850949	6.849	ppbv	100
64) n-propylbenzene	15.73	120	1541827	8.121	ppbv	100
65) tert-Butylbenzene	16.92	119	5232512	8.087	ppbv	99
66) Benzyl Chloride	17.17	91	3197600	8.939	ppbv	100
67) sec-Butylbenzene	17.47	105	7368347	7.902	ppbv	100
69) p-Isopropyltoluene	17.83	119	6058493	8.171	ppbv	99
70) n-Butylbenzene	18.72	91	6084416	8.082	ppbv	100
71) 2-Chlorotoluene	15.62	91	4547115	8.447	ppbv	99
72) 4-Ethyltoluene	16.01	105	4917524	8.401	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4674223	8.168	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4700239	7.675	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2638069	7.510	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2617784	7.978	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2537752	7.809	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1120085	6.386	ppbv	100
79) Naphthalene	22.42	128	3670774	9.124	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1138962	11.304	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1782982	8.825	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

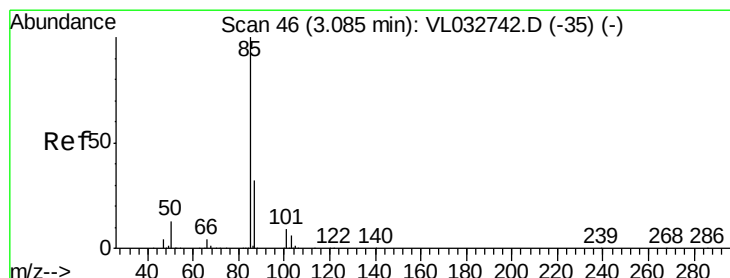
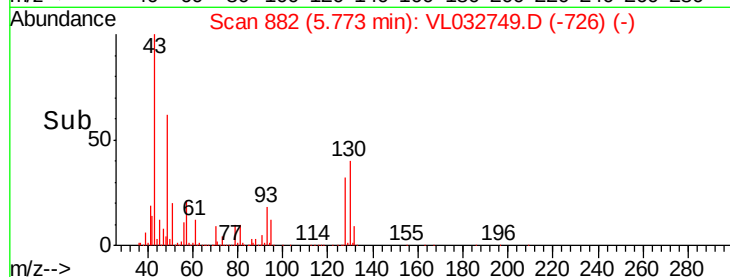
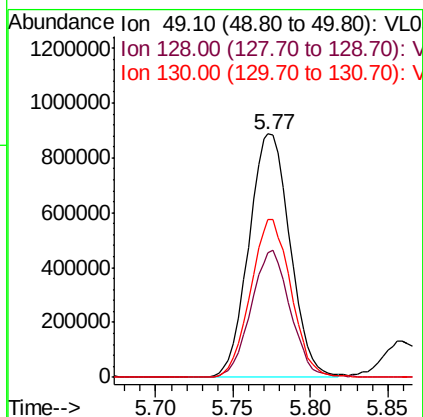
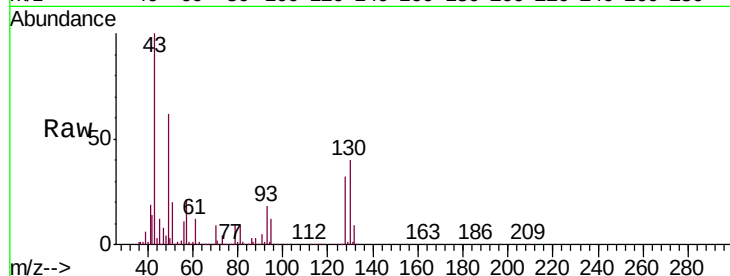




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

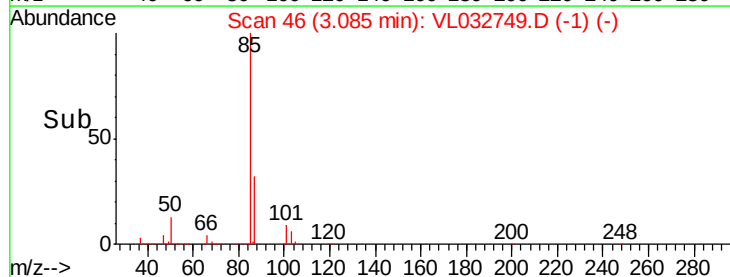
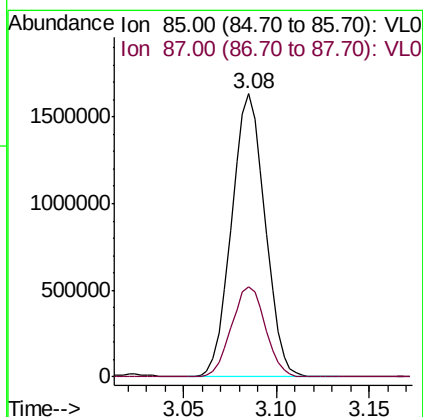
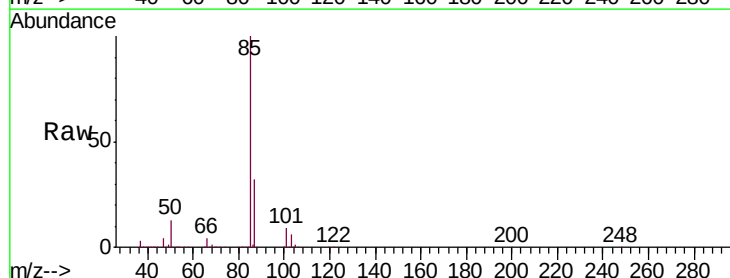
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

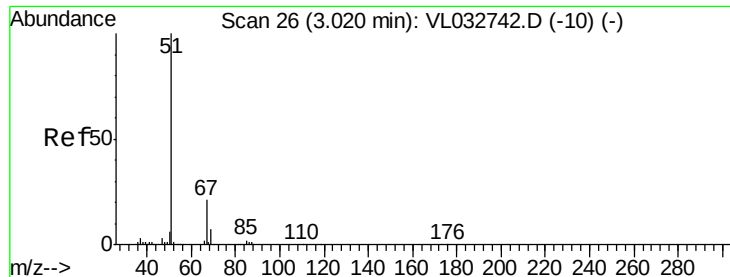
Tgt Ion: 49 Resp: 1643570
 Ion Ratio Lower Upper
 49 100
 128 49.9 24.9 74.6
 130 63.9 31.4 94.2



#2
 Dichlorodifluoromethane
 Concen: 8.662 ppbv
 RT: 3.08 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 85 Resp: 2046415
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.0 39.0





#3

Chlorodifluoromethane

Concen: 9.023 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

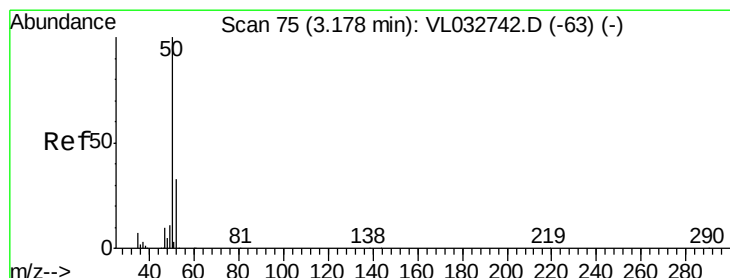
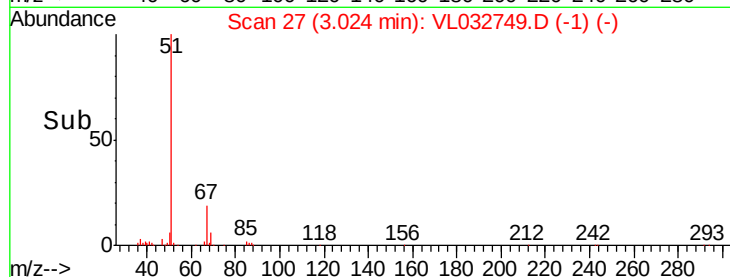
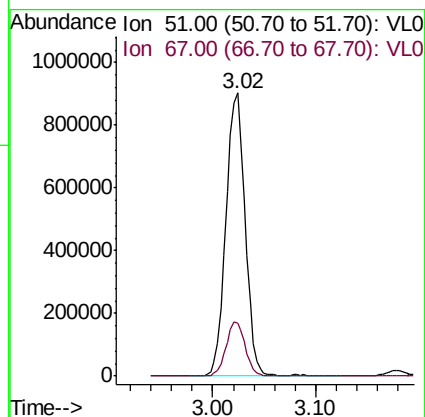
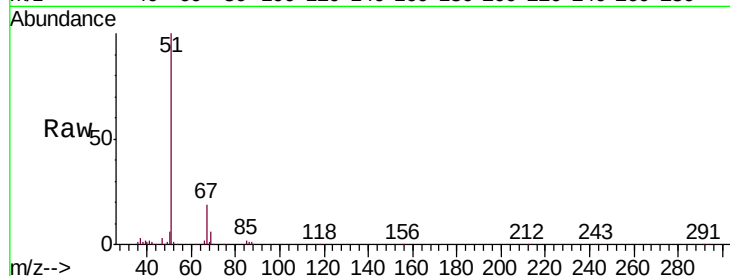
ICVVL111418

Tgt Ion: 51 Resp: 1175715

Ion Ratio Lower Upper

51 100

67 19.1 16.1 24.1



#4

Chloromethane

Concen: 9.157 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032749.D

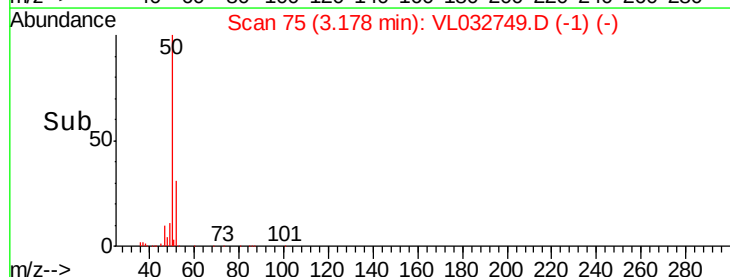
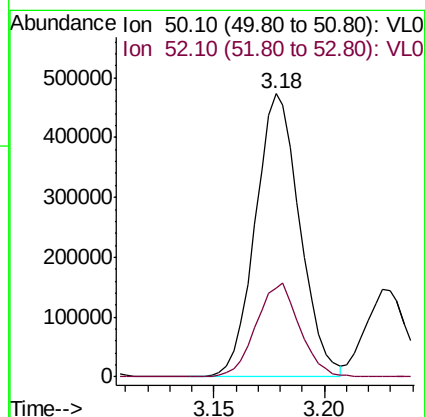
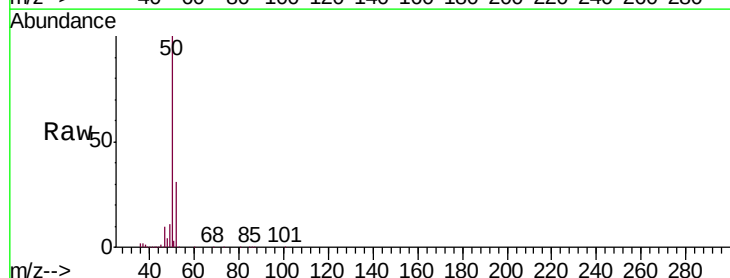
Acq: 14 Nov 2018 6:54

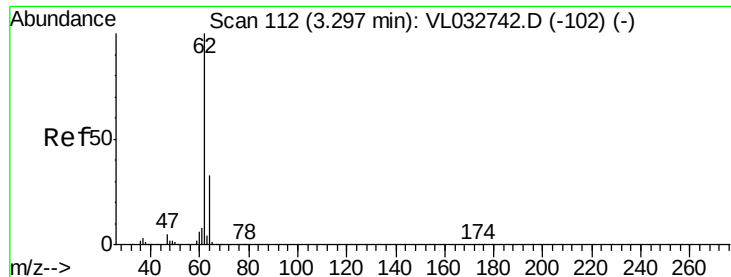
Tgt Ion: 50 Resp: 661639

Ion Ratio Lower Upper

50 100

52 31.2 26.6 40.0





#5

Vinyl Chloride

Concen: 8.813 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

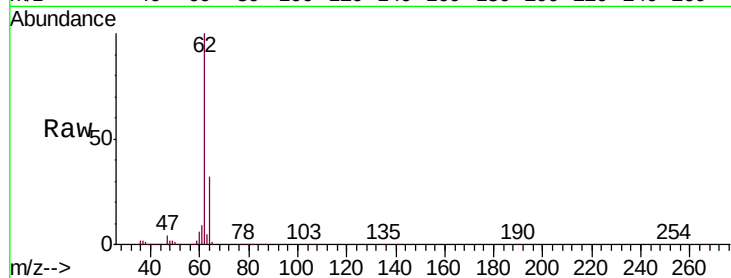
ICVVL111418

Tgt Ion: 62 Resp: 674726

Ion Ratio Lower Upper

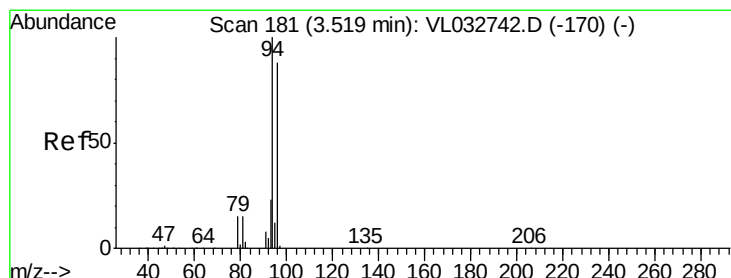
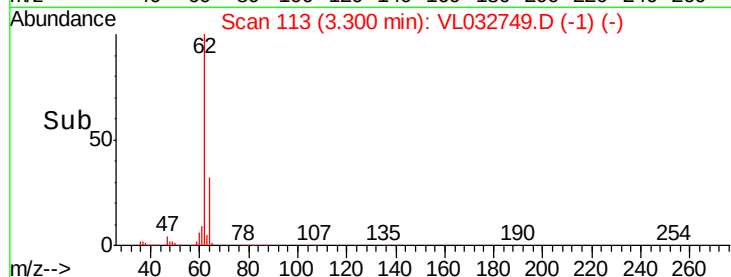
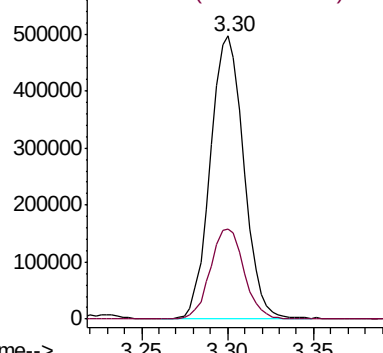
62 100

64 31.8 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.245 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.01 min

Lab File: VL032749.D

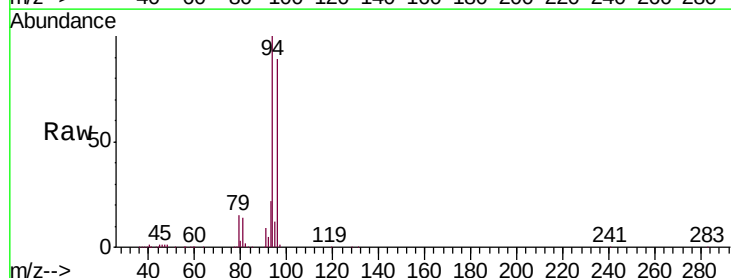
Acq: 14 Nov 2018 6:54

Tgt Ion: 94 Resp: 433007

Ion Ratio Lower Upper

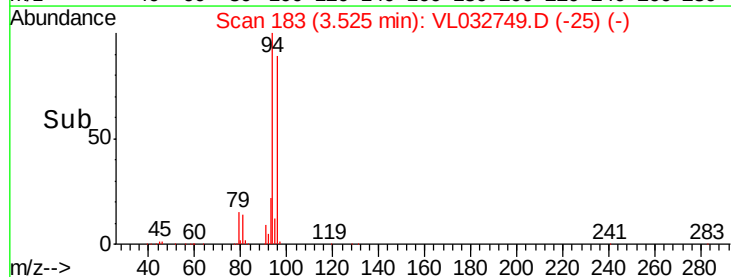
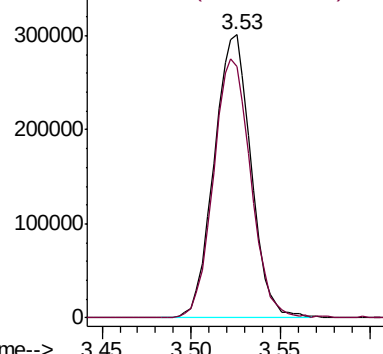
94 100

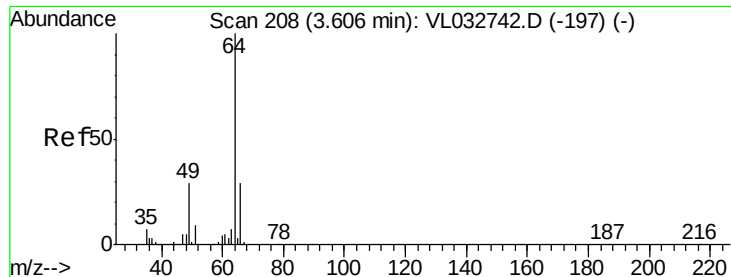
96 88.9 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.160 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

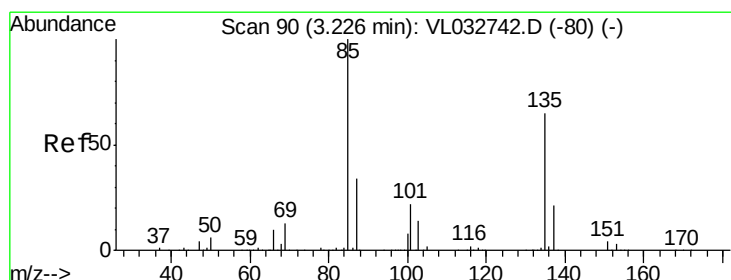
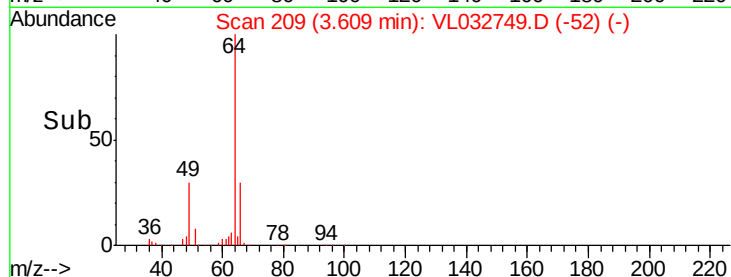
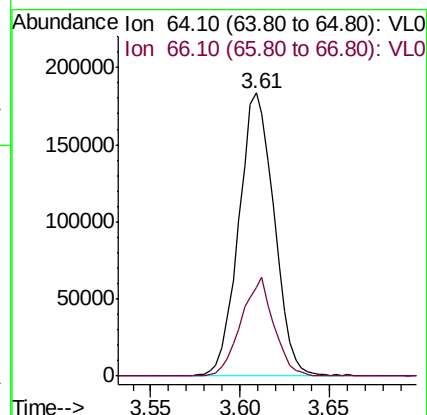
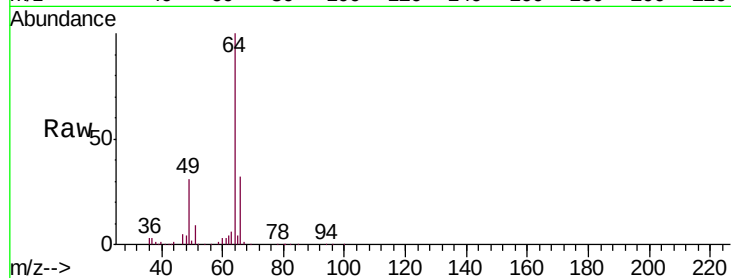
ICVVL111418

Tgt Ion: 64 Resp: 252766

Ion Ratio Lower Upper

64 100

66 31.5 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 8.615 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032749.D

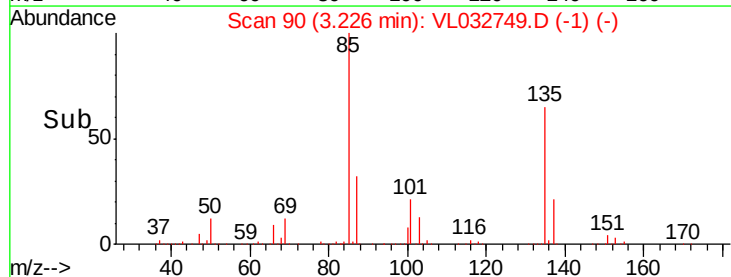
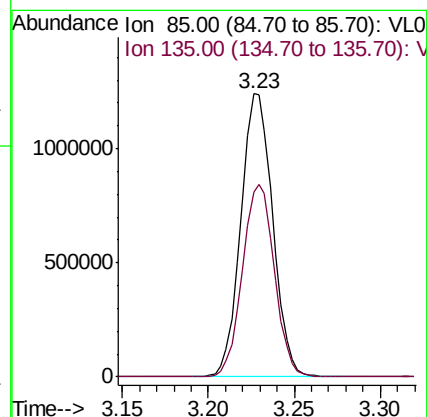
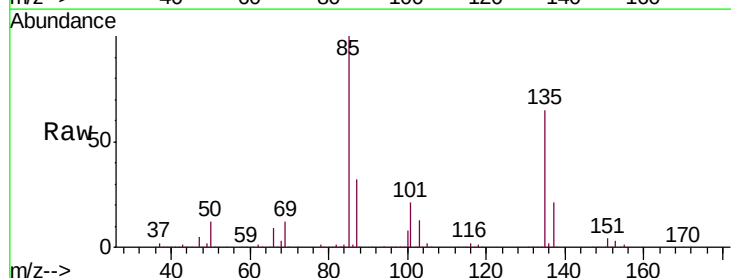
Acq: 14 Nov 2018 6:54

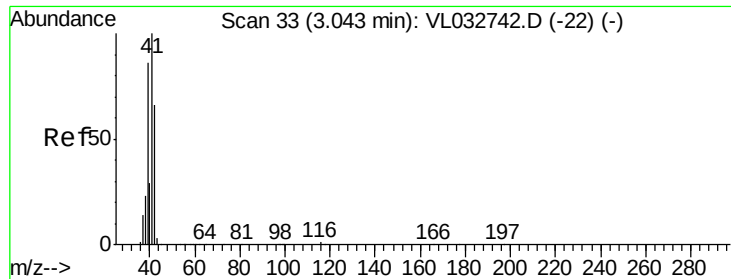
Tgt Ion: 85 Resp: 1603885

Ion Ratio Lower Upper

85 100

135 68.1 53.8 80.8





#9

Propene

Concen: 9.984 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

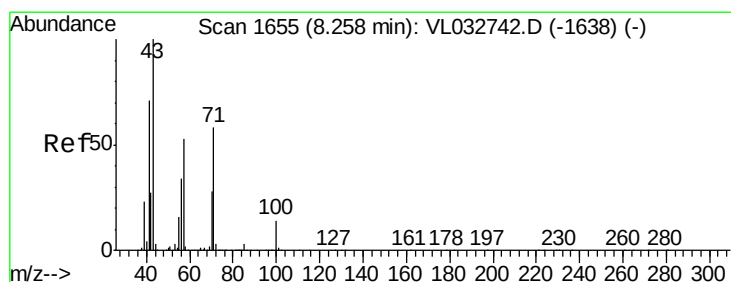
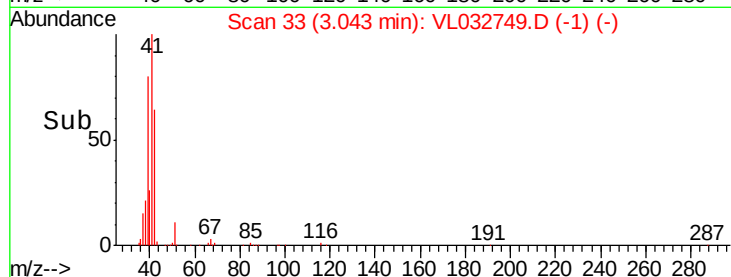
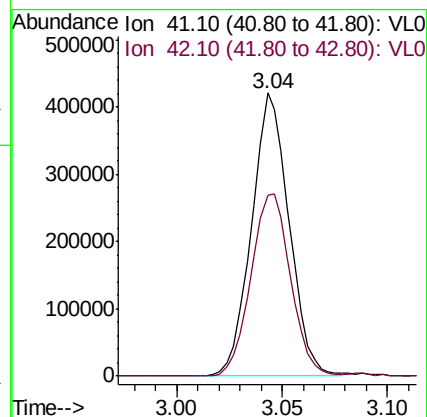
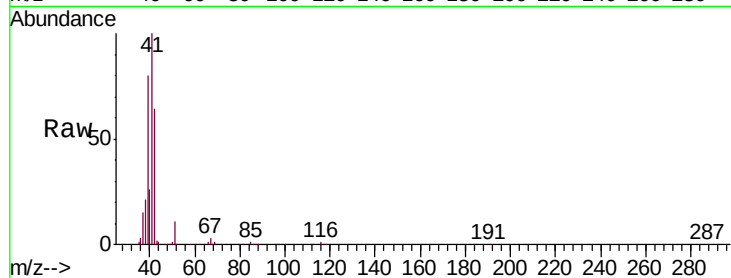
ICVVL111418

Tgt Ion: 41 Resp: 520628

Ion Ratio Lower Upper

41 100

42 69.2 55.0 82.6



#10

Heptane

Concen: 10.123 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032749.D

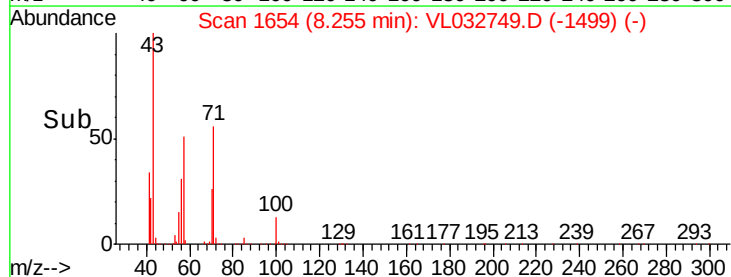
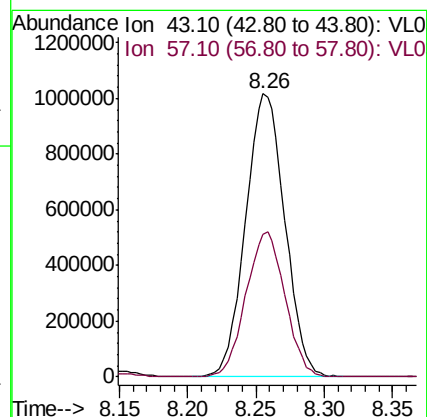
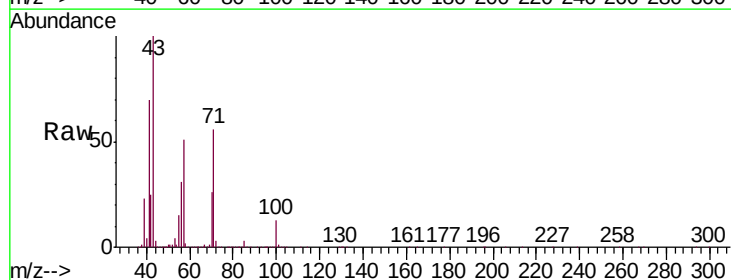
Acq: 14 Nov 2018 6:54

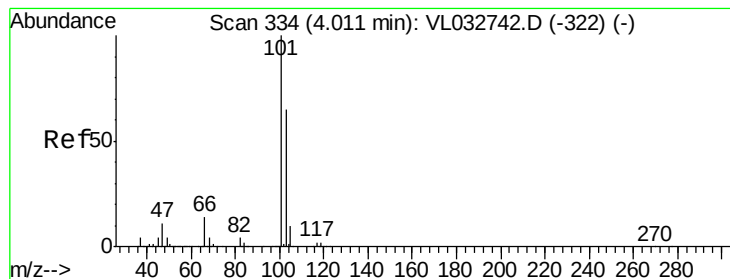
Tgt Ion: 43 Resp: 2015185

Ion Ratio Lower Upper

43 100

57 51.4 41.8 62.8





#11

Trichlorofluoromethane

Concen: 7.915 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

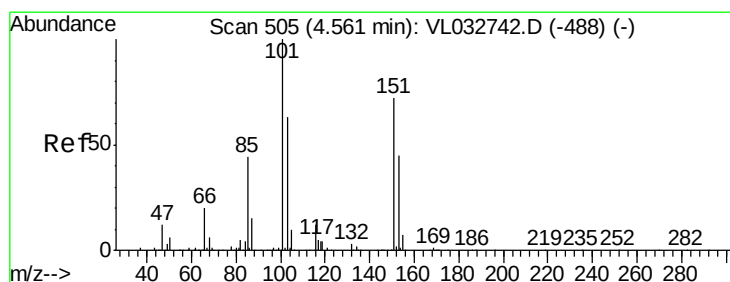
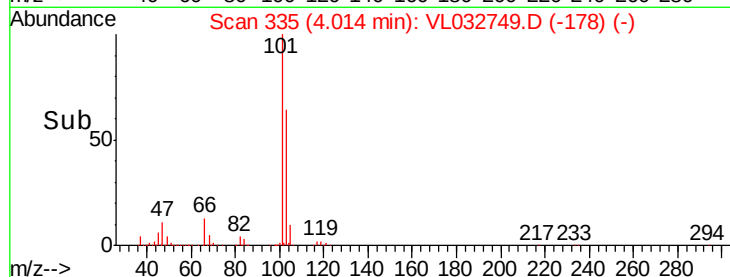
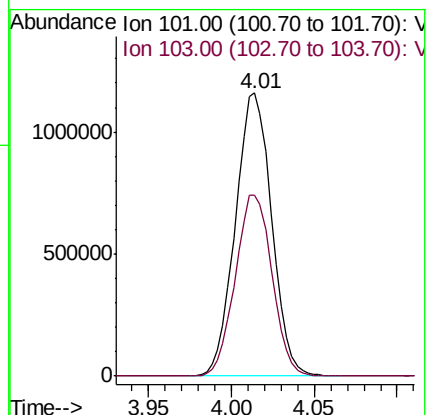
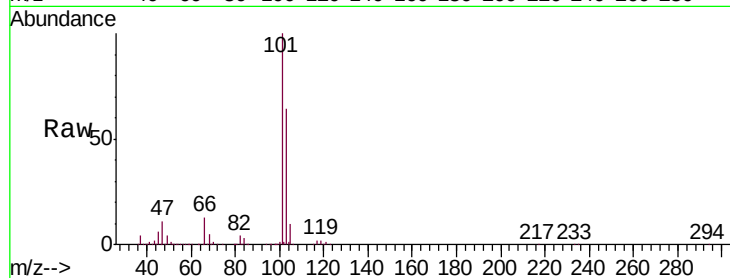
ICVVL111418

Tgt Ion:101 Resp: 1762272

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.528 ppbv

RT: 4.56 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL032749.D

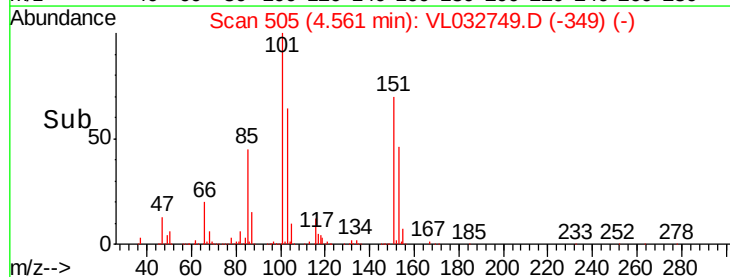
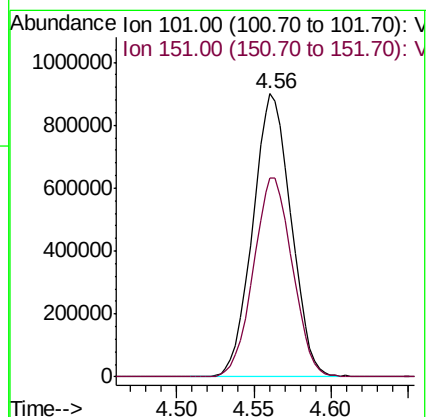
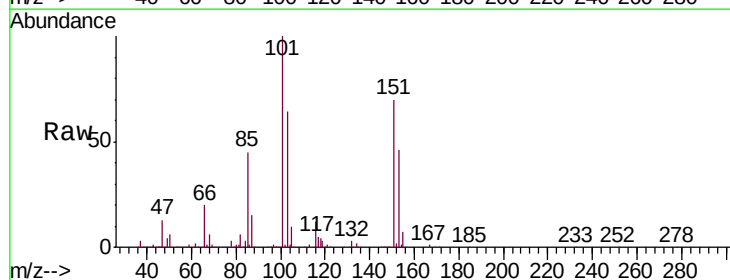
Acq: 14 Nov 2018 6:54

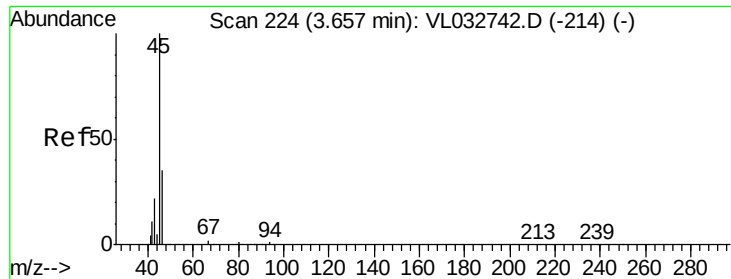
Tgt Ion:101 Resp: 1550953

Ion Ratio Lower Upper

101 100

151 71.6 56.7 85.1





#13

Ethanol

Concen: 7.949 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

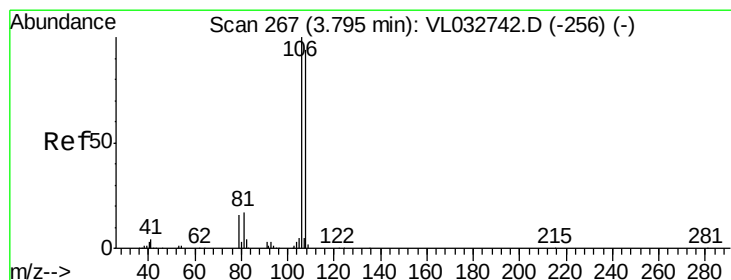
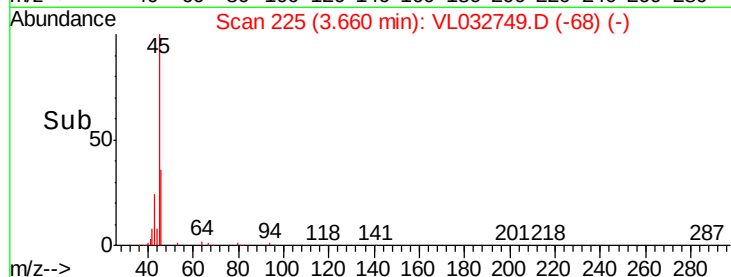
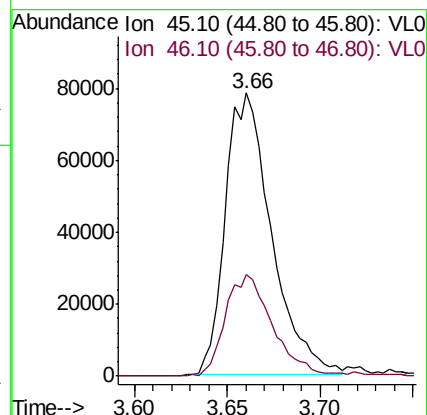
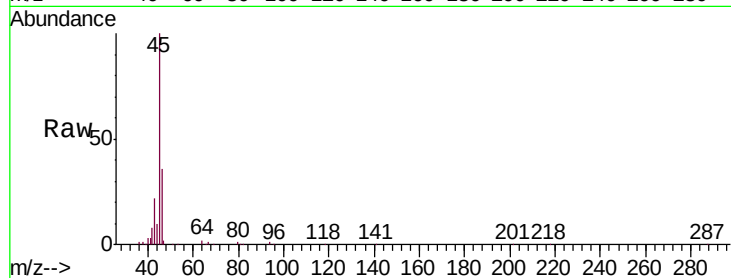
ICVVL111418

Tgt Ion: 45 Resp: 135761

Ion Ratio Lower Upper

45 100

46 38.1 14.5 57.9



#14

Bromoethene

Concen: 9.150 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

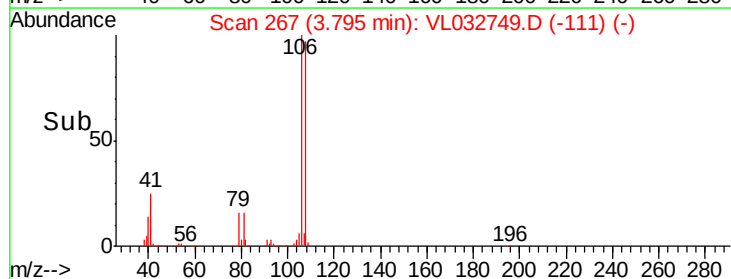
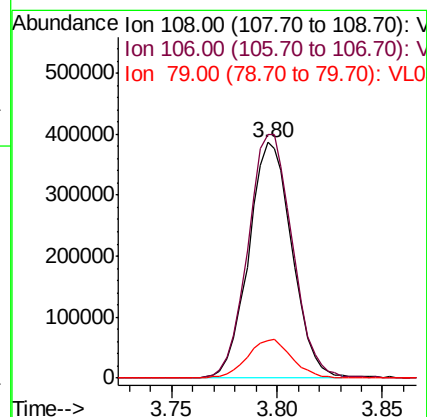
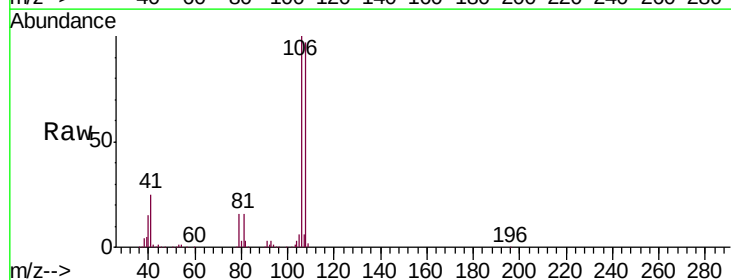
Tgt Ion: 108 Resp: 552051

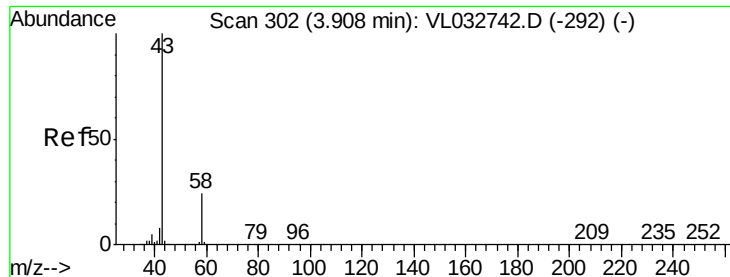
Ion Ratio Lower Upper

108 100

106 107.2 84.9 127.3

79 17.0 14.2 21.4





#15

Acetone

Concen: 7.596 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

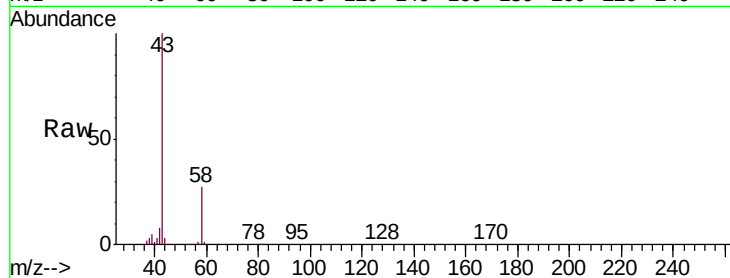
ICVVL111418

Tgt Ion: 43 Resp: 1140120

Ion Ratio Lower Upper

43 100

58 26.6 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

800000

600000

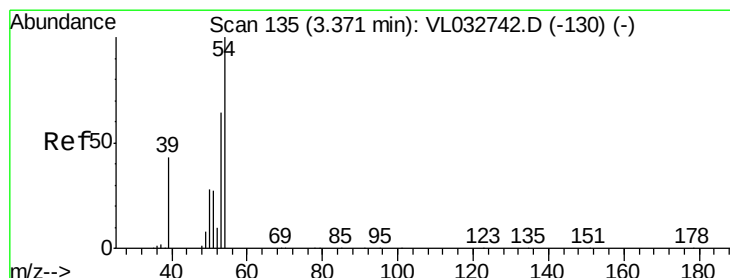
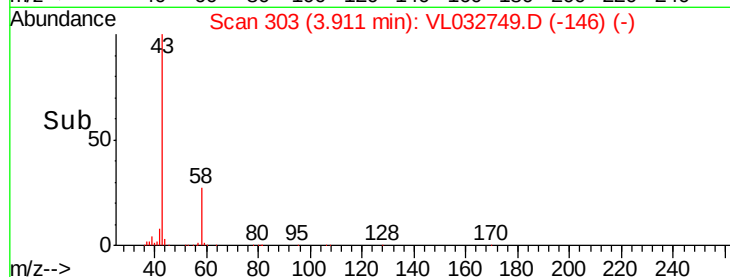
400000

200000

0

3.85 3.90 3.95 4.00

Time-->



#16

1,3-Butadiene

Concen: 9.703 ppbv

RT: 3.37 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL032749.D

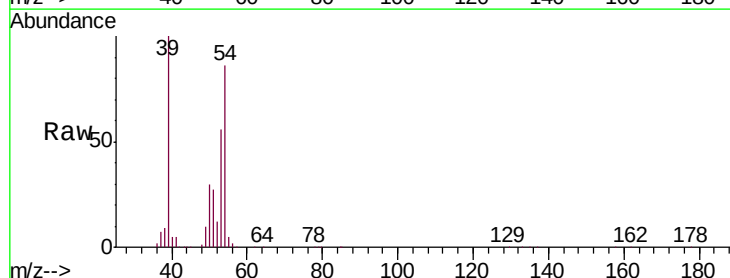
Acq: 14 Nov 2018 6:54

Tgt Ion: 39 Resp: 563999

Ion Ratio Lower Upper

39 100

54 91.3 68.9 103.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

500000

400000

300000

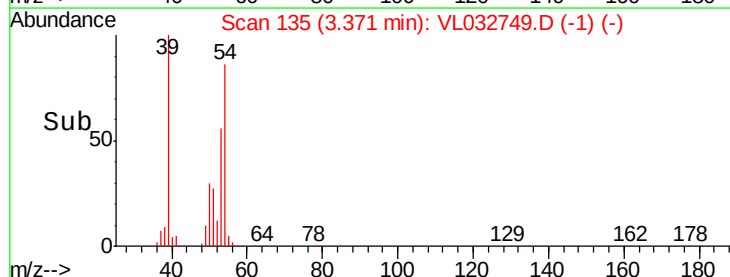
200000

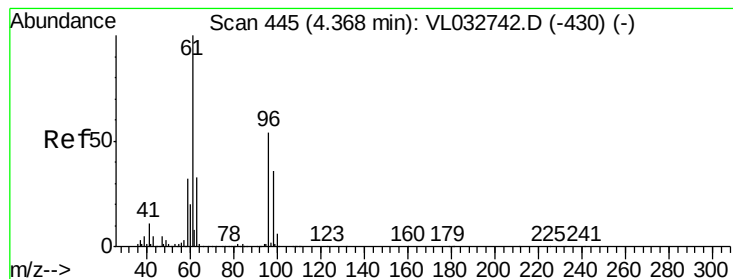
100000

0

3.34 3.36 3.38 3.40

Time-->





#17

tert-Butyl alcohol

Concen: 9.656 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

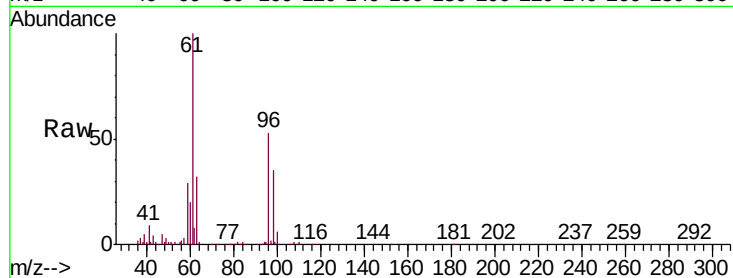
ICVVL111418

Tgt Ion: 59 Resp: 454574

Ion Ratio Lower Upper

59 100

57 10.0 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.37

250000

200000

150000

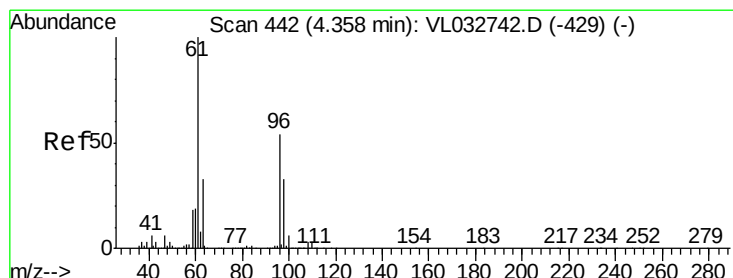
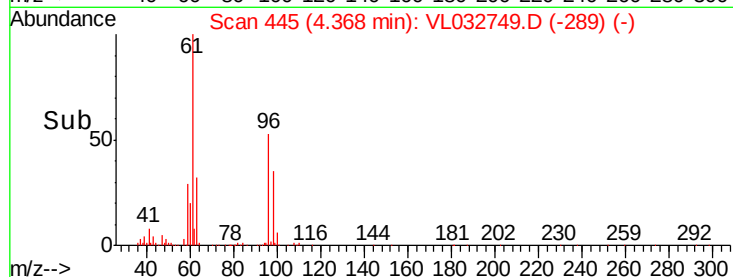
100000

50000

0

Time-->

4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 8.819 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

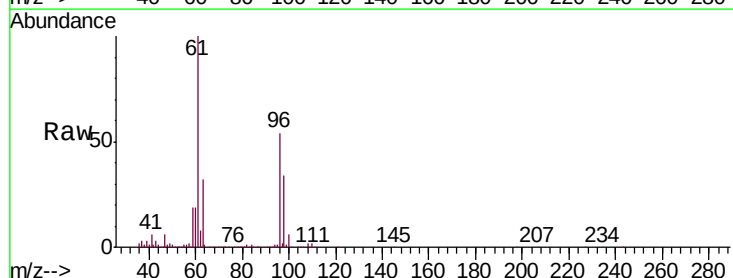
Tgt Ion: 96 Resp: 788709

Ion Ratio Lower Upper

96 100

61 185.9 148.5 222.7

98 63.9 48.6 72.8



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

1200000

1000000

800000

600000

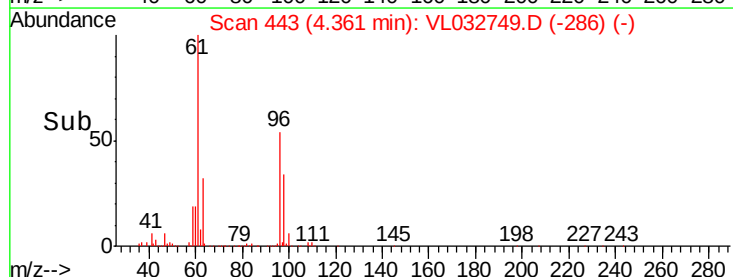
400000

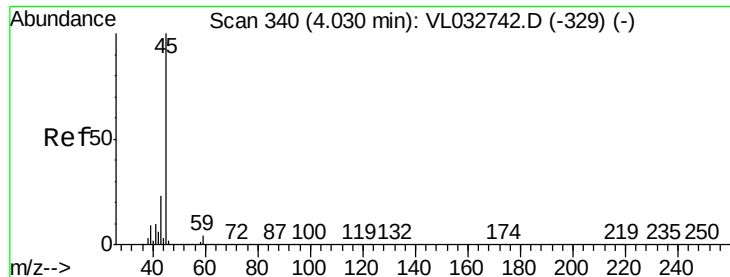
200000

0

Time-->

4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 9.245 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

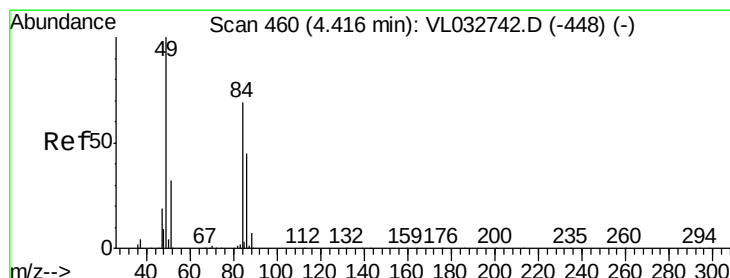
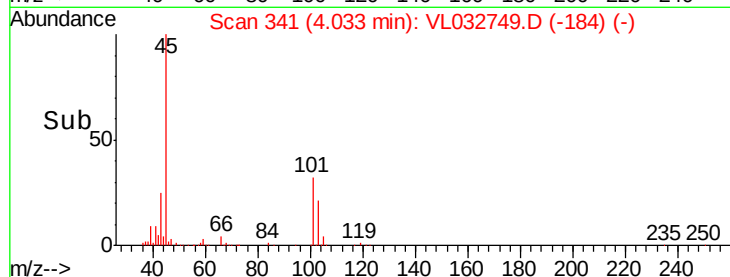
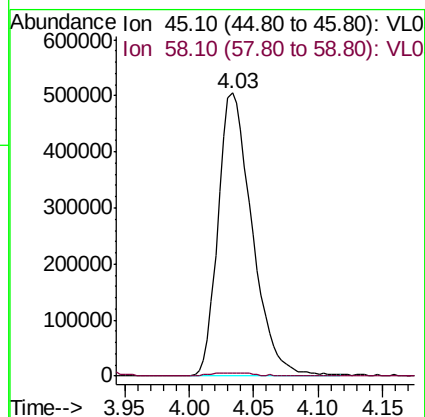
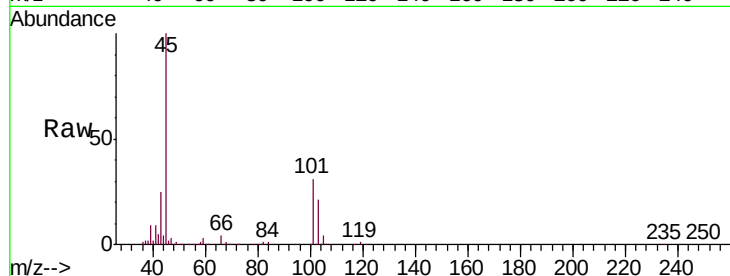
ICVVL111418

Tgt Ion: 45 Resp: 924409

Ion Ratio Lower Upper

45 100

58 1.5 1.4 2.0



#20

Methylene Chloride

Concen: 8.552 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Tgt Ion: 84 Resp: 664542

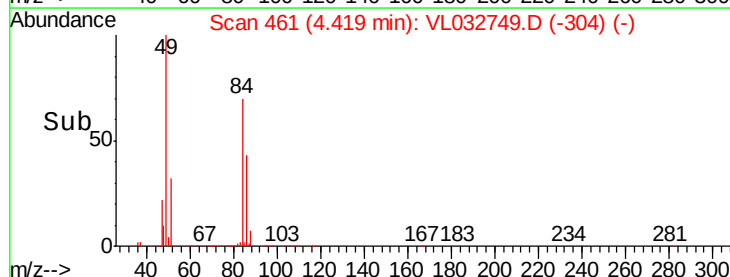
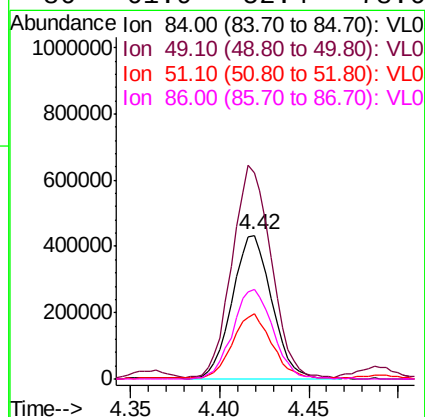
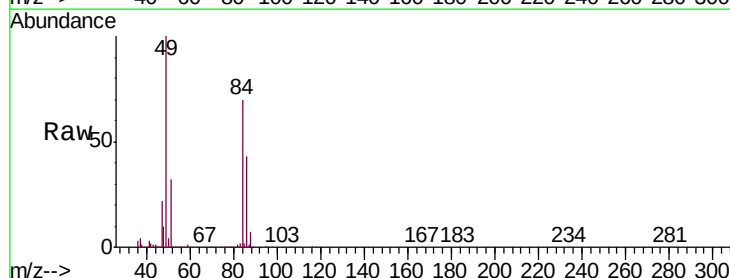
Ion Ratio Lower Upper

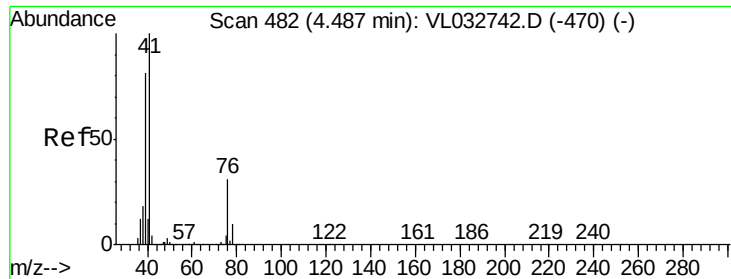
84 100

49 142.4 115.8 173.6

51 45.4 36.9 55.3

86 61.9 52.4 78.6

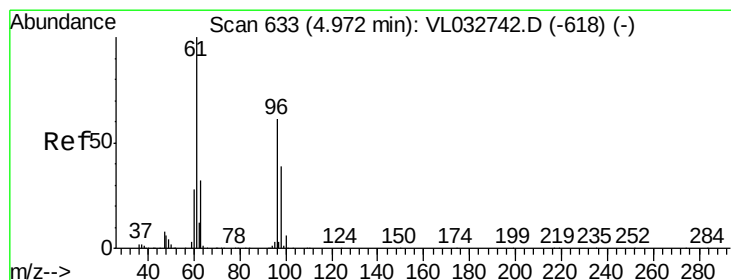
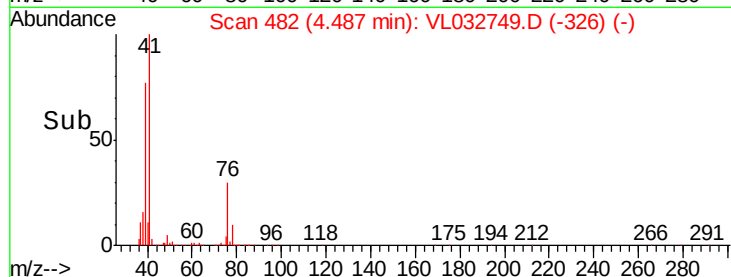
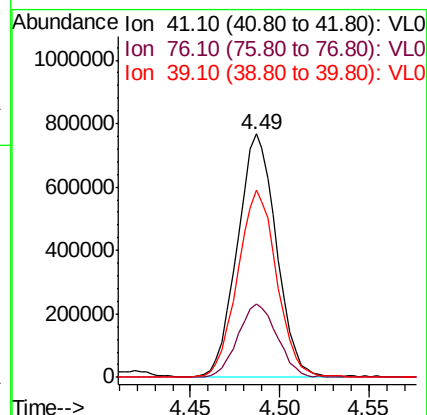
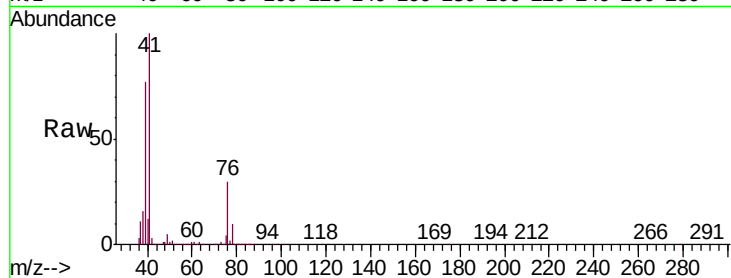




#21
 Allyl Chloride
 Concen: 9.207 ppbv
 RT: 4.49 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

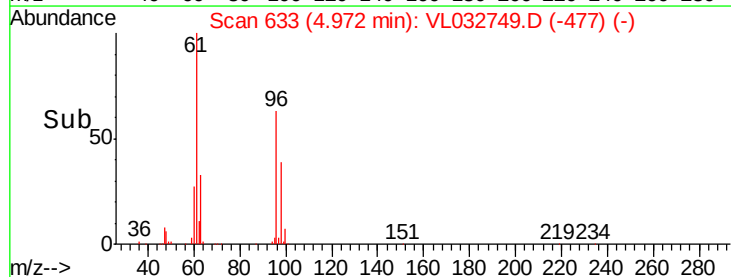
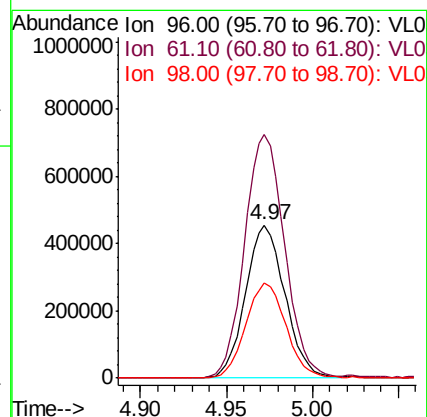
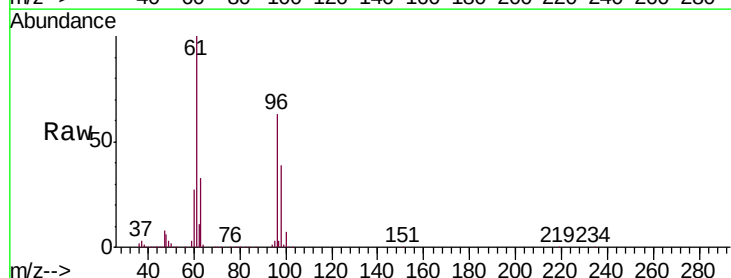
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

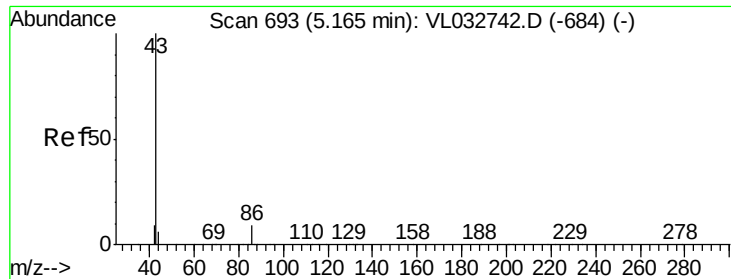
Tgt Ion: 41 Resp: 1161304
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.4 36.6
 39 77.8 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 8.284 ppbv
 RT: 4.97 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 96 Resp: 723377
 Ion Ratio Lower Upper
 96 100
 61 159.1 130.2 195.2
 98 62.4 50.2 75.2



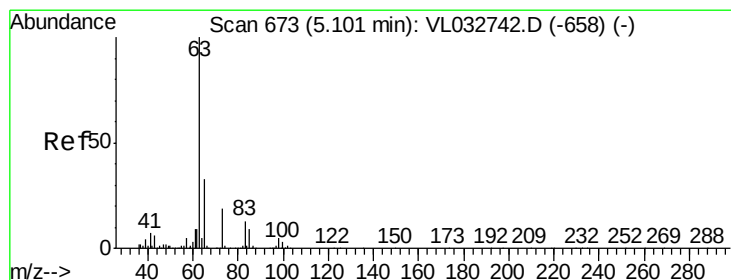
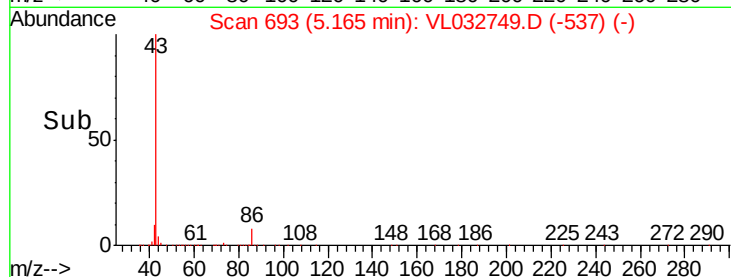
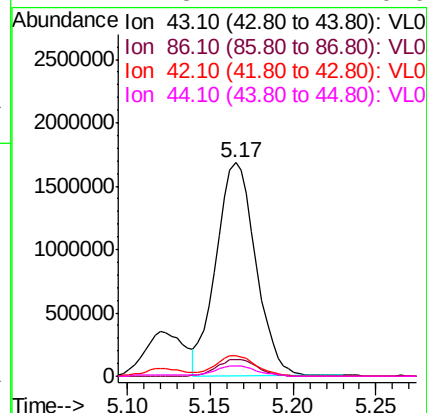
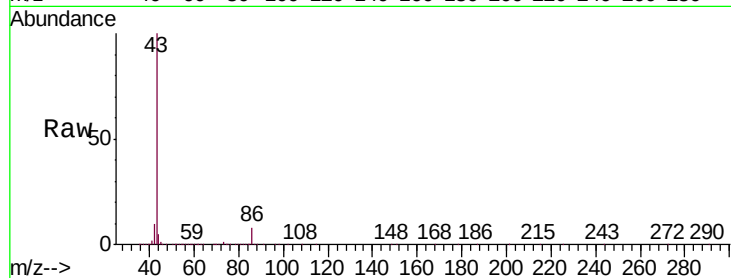


#23
 Vinyl Acetate
 Concen: 10.204 ppbv
 RT: 5.17 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

Tgt Ion: 43 Resp: 2791887

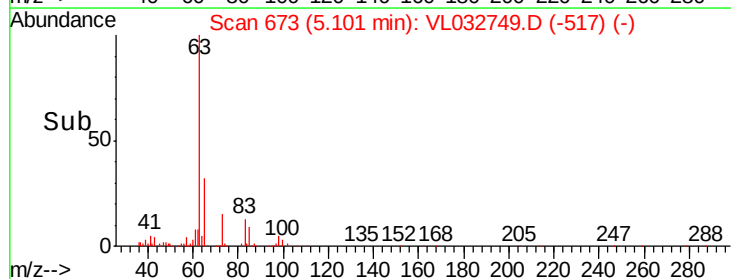
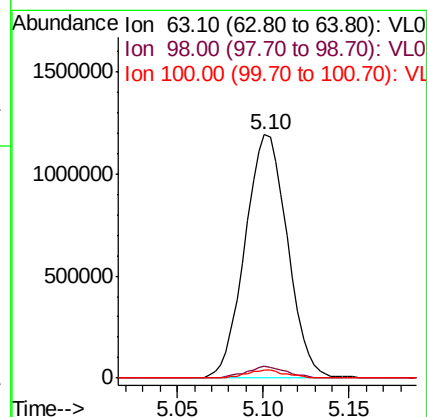
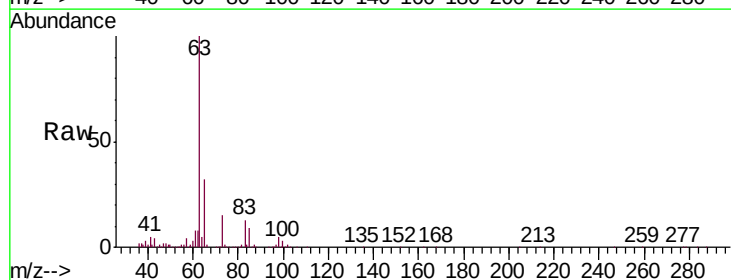
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	9.8	7.8	11.6
44	4.8	4.4	6.6

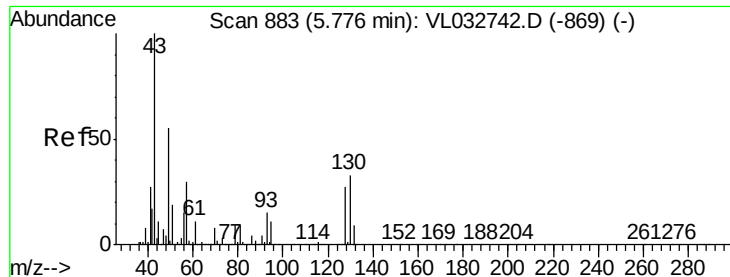


#24
 1,1-Dichloroethane
 Concen: 9.342 ppbv
 RT: 5.10 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 63 Resp: 2032155

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	3.1	1.4	4.2



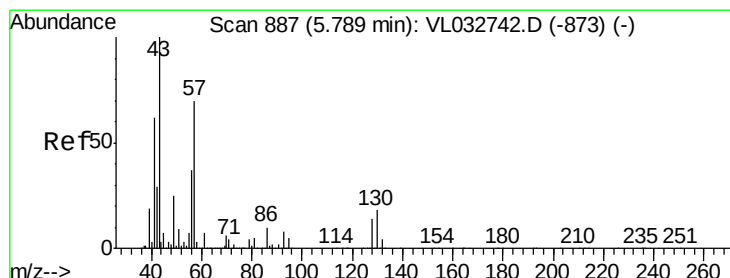
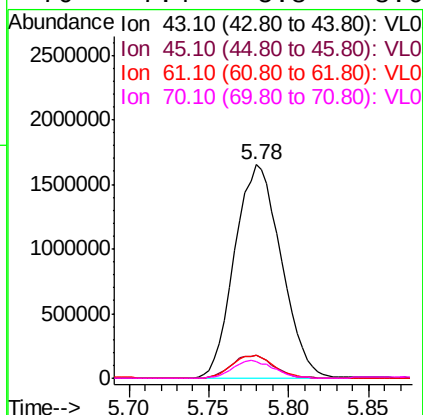
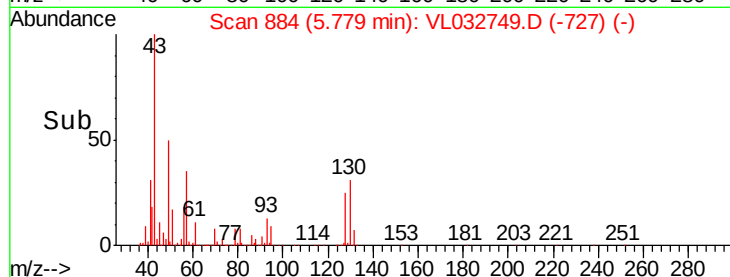
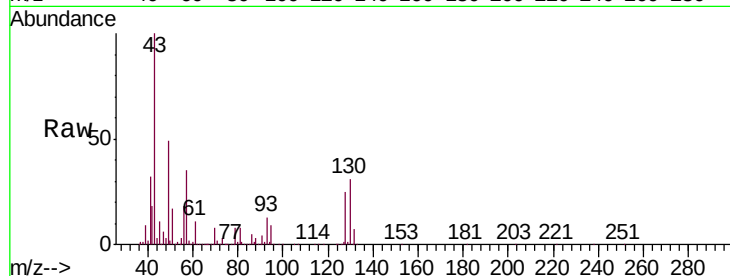


#25
Ethyl Acetate
Concen: 9.382 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

Tgt Ion: 43 Resp: 3282216

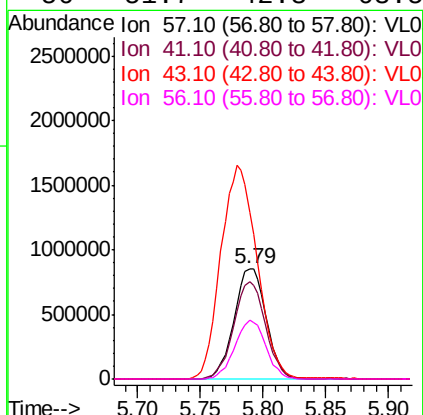
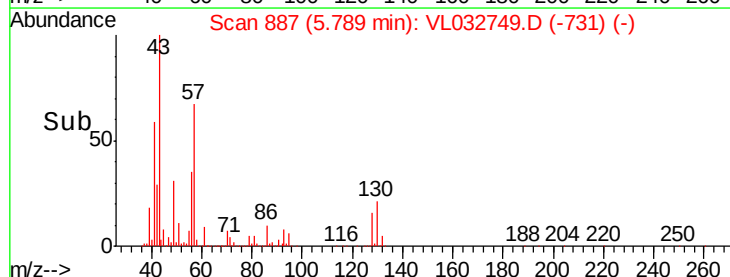
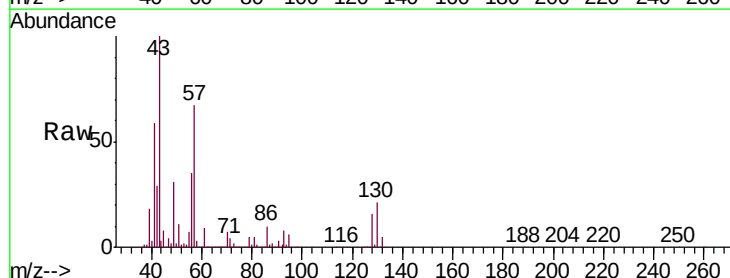
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	10.0	7.8	11.6
70	7.4	5.8	8.6

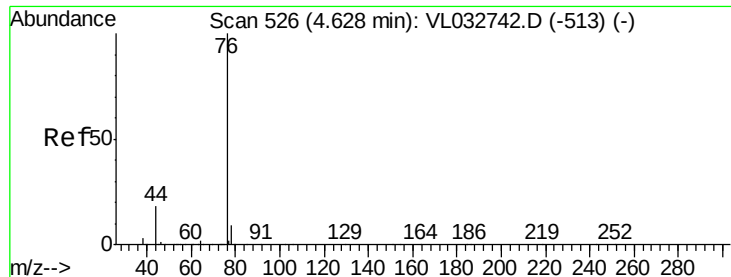


#26
Hexane
Concen: 9.729 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion: 57 Resp: 1515064

Ion	Ratio	Lower	Upper
57	100		
41	87.6	70.3	105.5
43	218.2	174.0	261.0
56	51.7	42.3	63.5





#27

Carbon Disulfide

Concen: 9.213 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

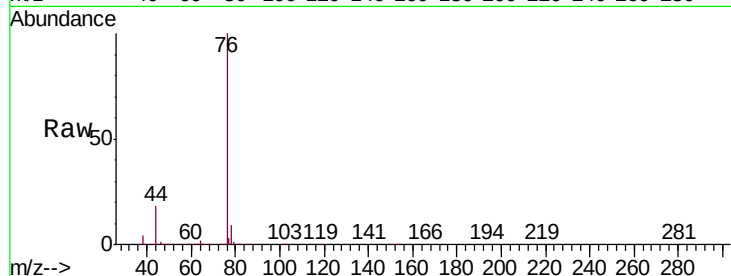
MSVOA_L

ClientSampleId :

ICVVL111418

Tgt Ion: 76 Resp: 1819256

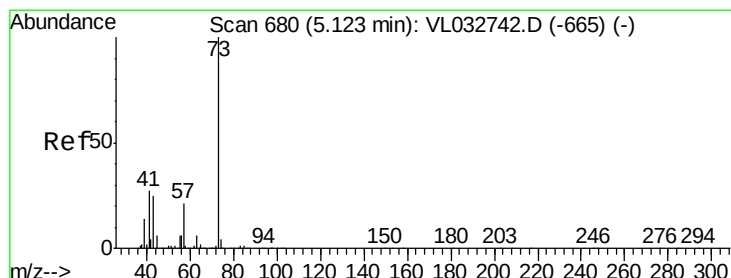
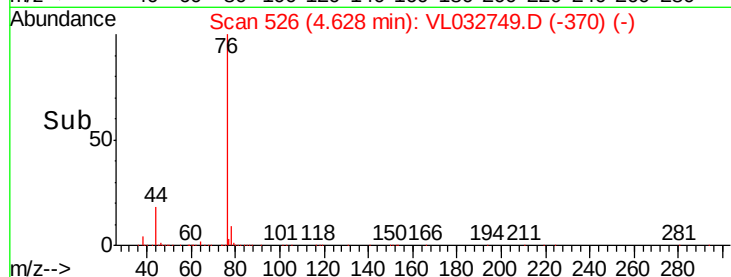
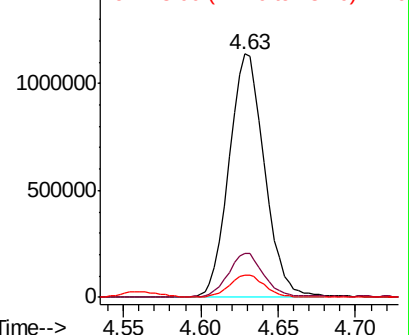
Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.4	21.6
78	9.2	7.7	11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.210 ppbv

RT: 5.12 min Scan# 680

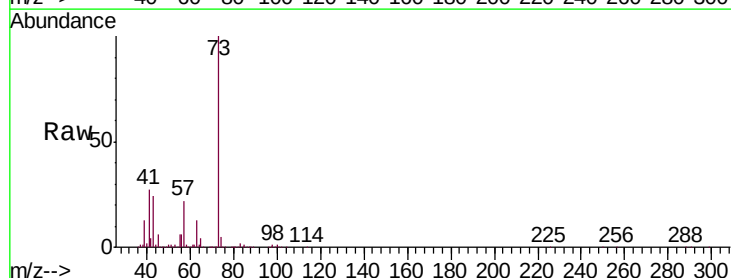
Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

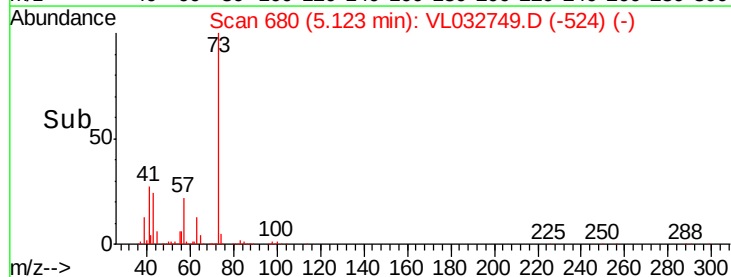
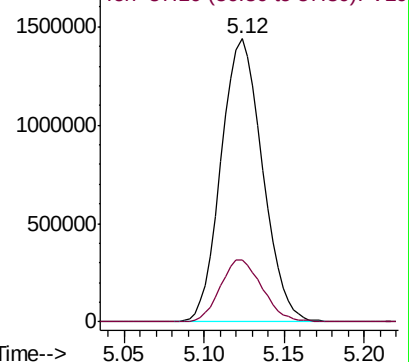
Tgt Ion: 73 Resp: 2535446

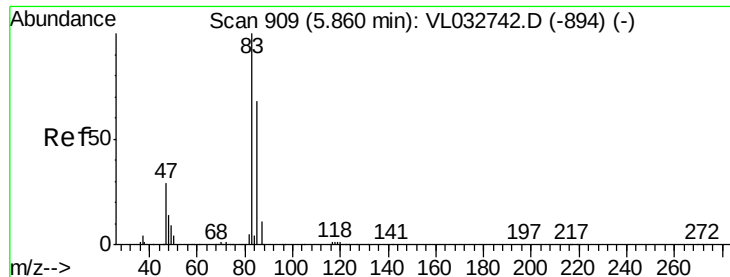
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.5	26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.993 ppbv

RT: 5.86 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

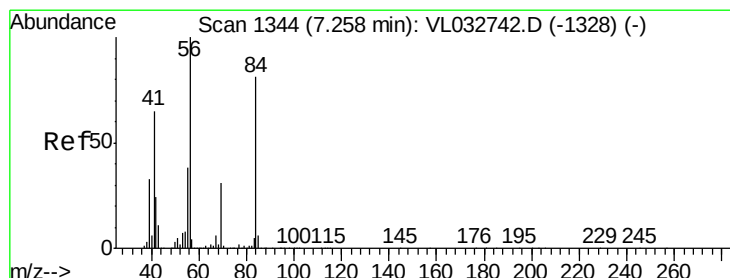
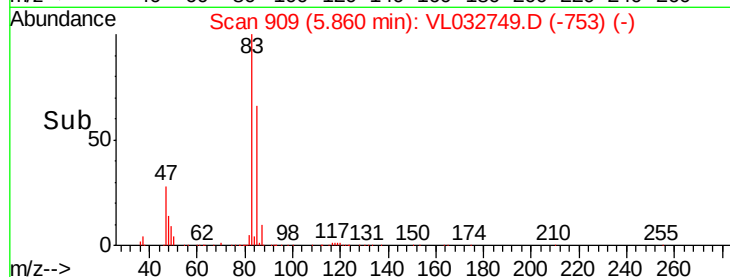
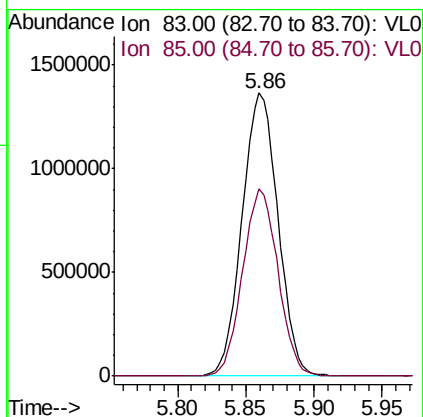
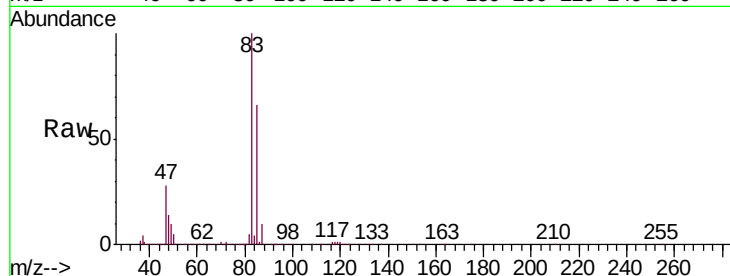
ICVVL111418

Tgt Ion: 83 Resp: 2495975

Ion Ratio Lower Upper

83 100

85 66.2 54.2 81.4



#30

Cyclohexane

Concen: 10.217 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

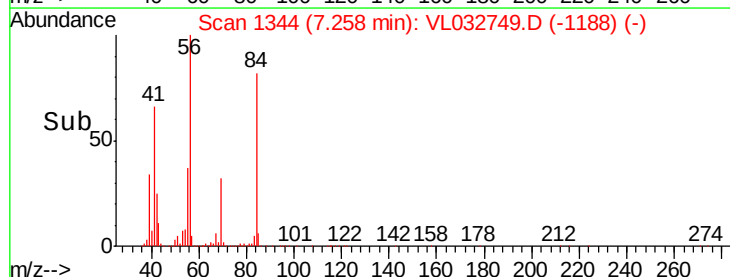
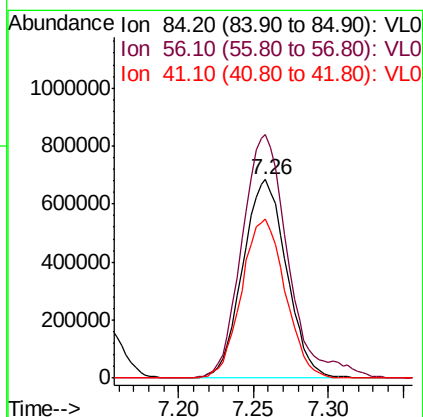
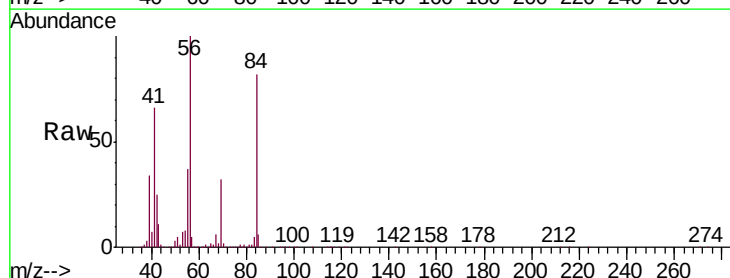
Tgt Ion: 84 Resp: 1391506

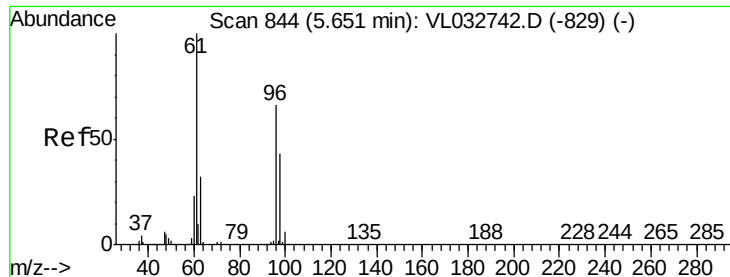
Ion Ratio Lower Upper

84 100

56 130.0 105.0 157.4

41 80.2 65.3 97.9



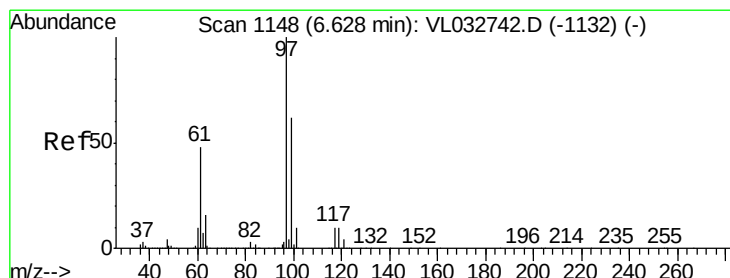
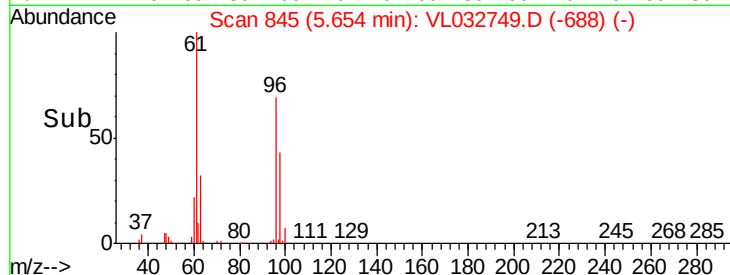
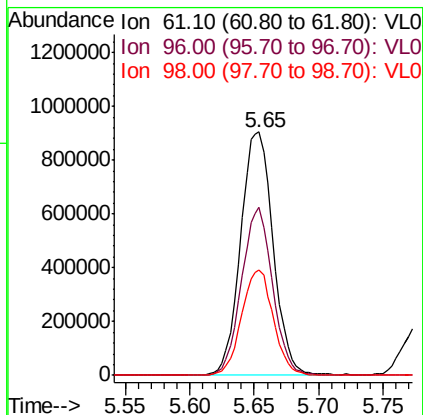
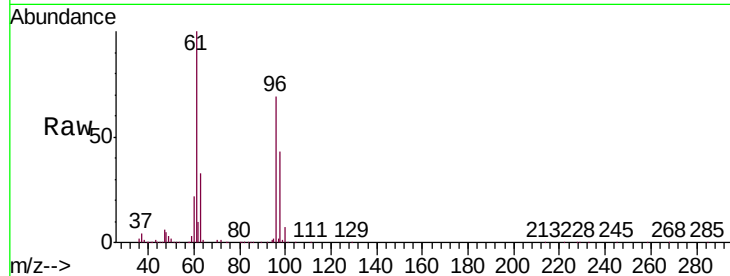


#31

cis-1,2-Dichloroethene
 Concen: 10.128 ppbv
 RT: 5.65 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

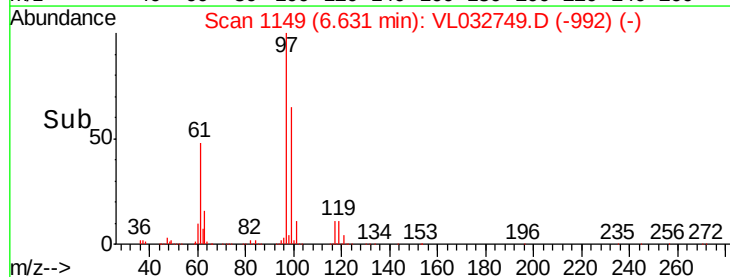
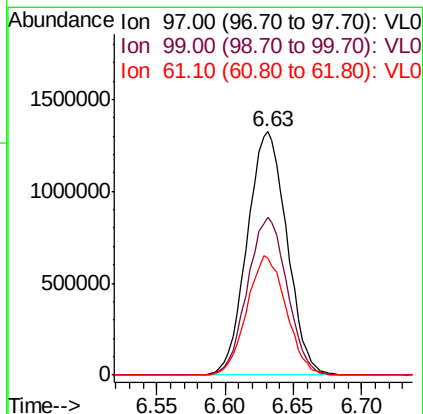
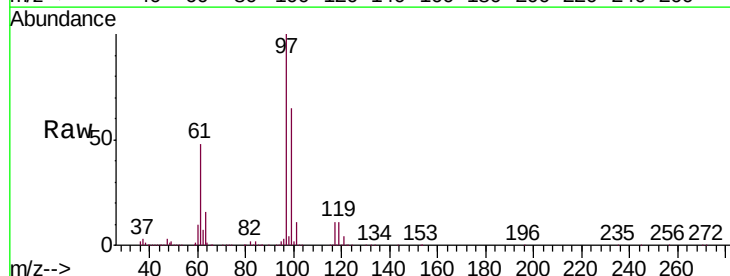
Tgt Ion: 61 Resp: 1585682
 Ion Ratio Lower Upper
 61 100
 96 69.0 53.2 79.8
 98 43.1 34.4 51.6

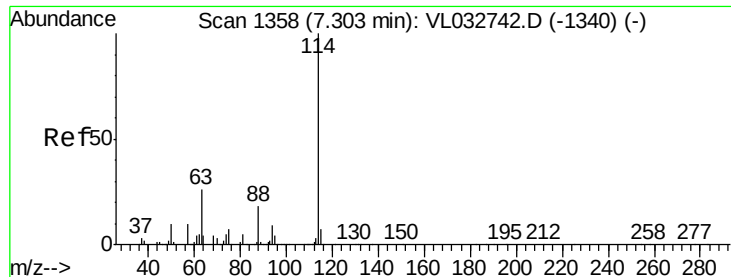


#32

1,1,1-Trichloroethane
 Concen: 8.801 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 97 Resp: 2677486
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.8 77.6
 61 48.5 39.7 59.5

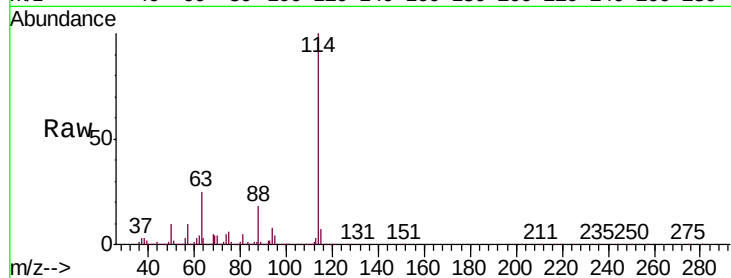




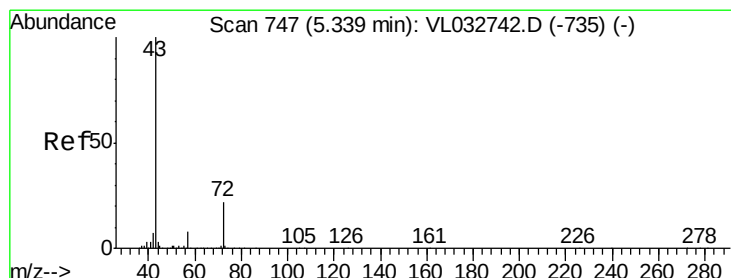
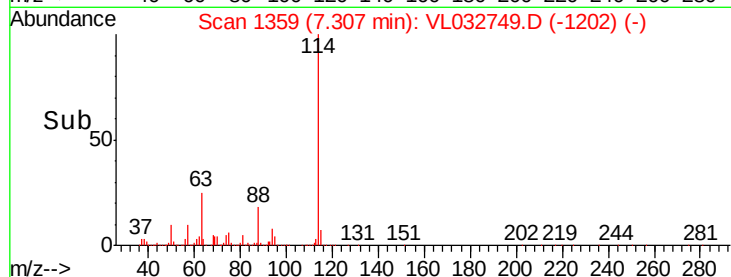
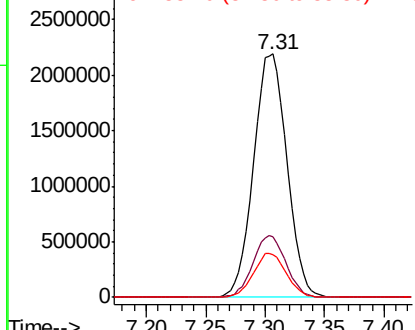
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

Tgt Ion: 114 Resp: 4258676
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.9 31.3
 88 17.8 14.4 21.6

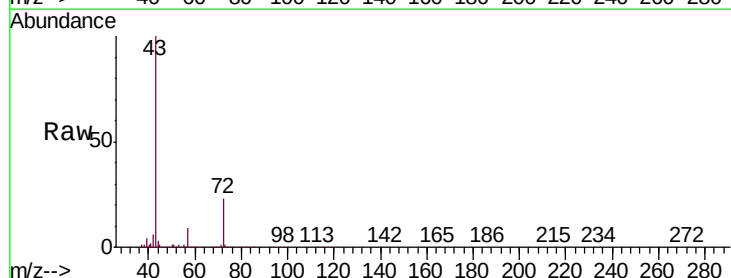


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

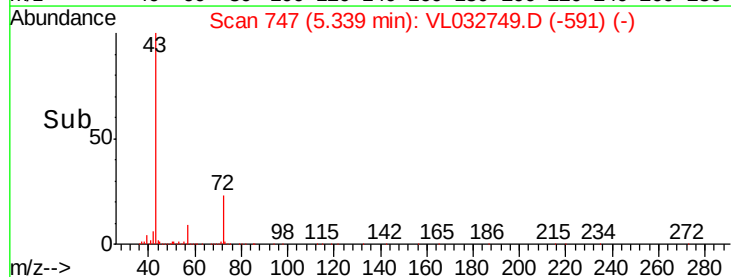
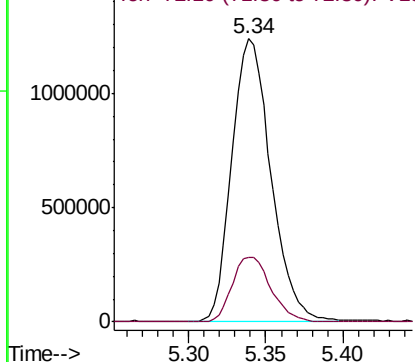


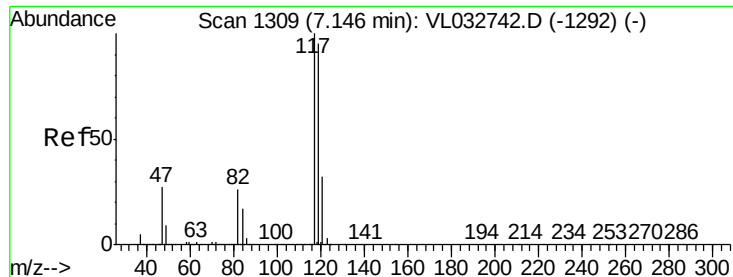
#34
 2-Butanone
 Concen: 9.796 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 43 Resp: 2163782
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.4 27.6



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





#35

Carbon Tetrachloride

Concen: 8.343 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

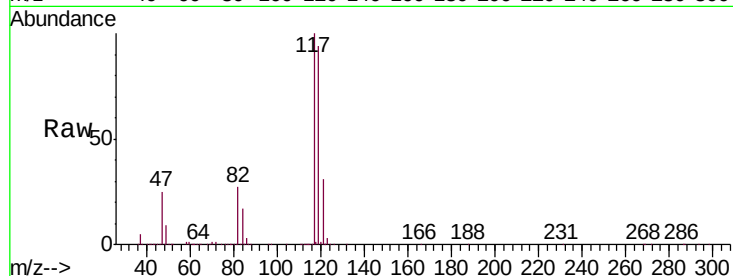
Tgt Ion:117 Resp: 2856173

Ion Ratio Lower Upper

117 100

119 94.3 76.1 114.1

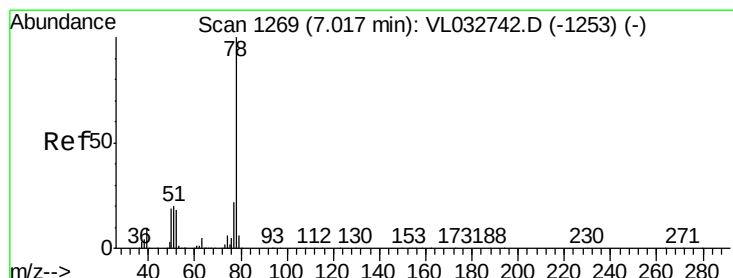
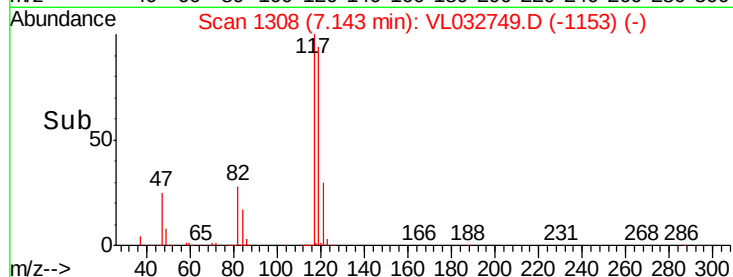
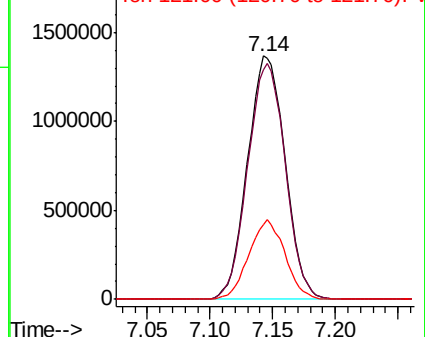
121 30.6 25.4 38.0



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: 9.835 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

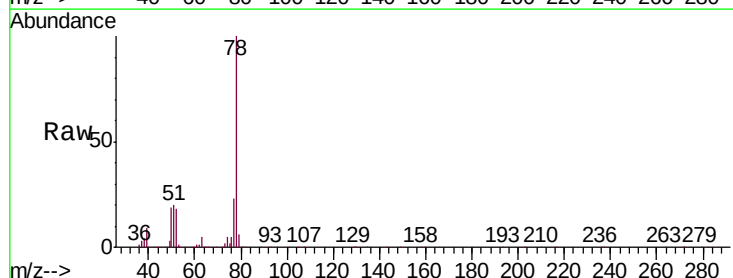
Tgt Ion: 78 Resp: 3335133

Ion Ratio Lower Upper

78 100

77 22.6 17.8 26.8

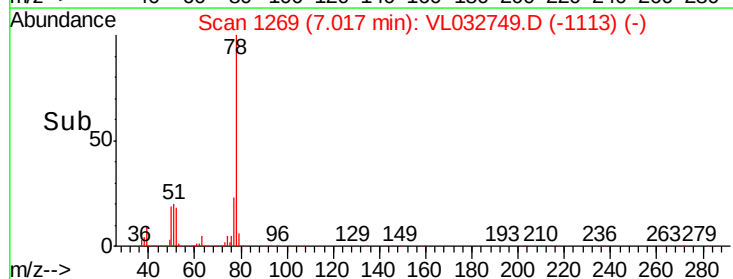
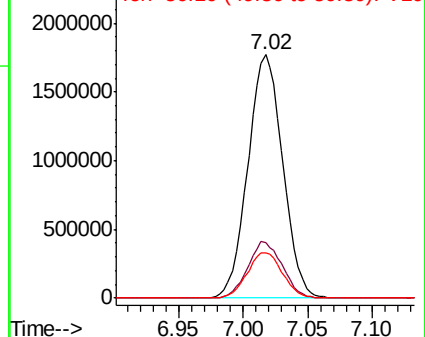
50 18.6 15.4 23.0

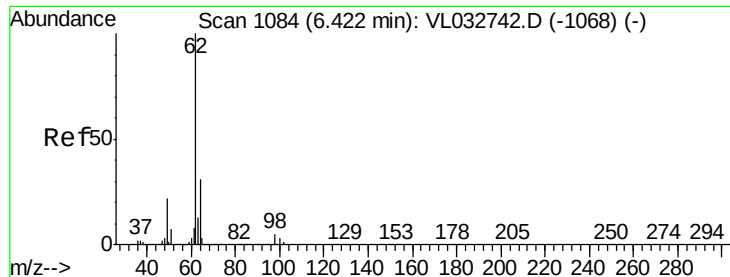


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

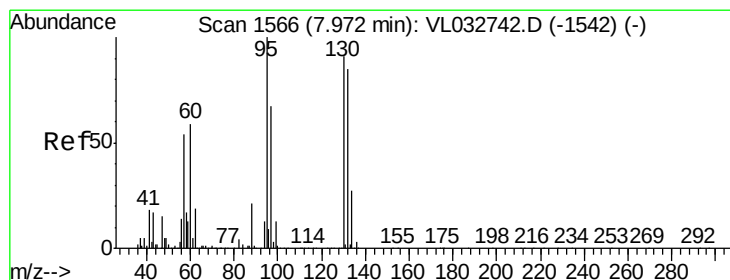
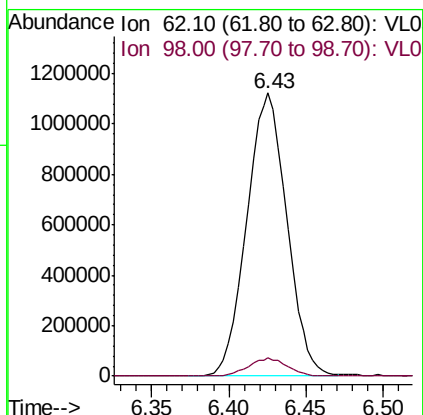
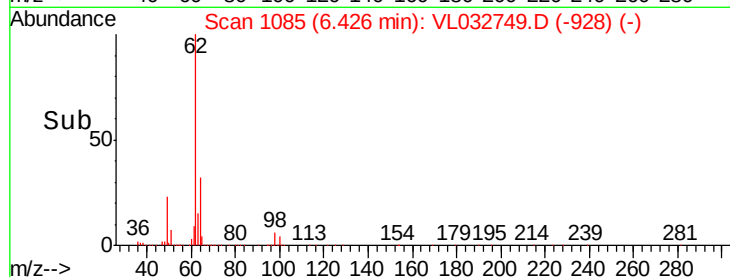
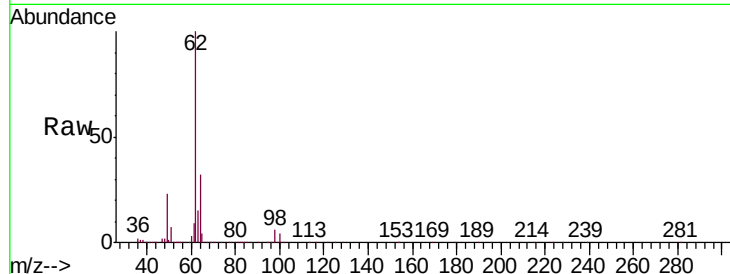




#37
 1,2-Dichloroethane
 Concen: 8.882 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

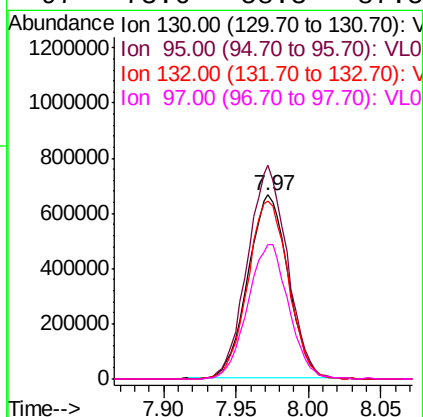
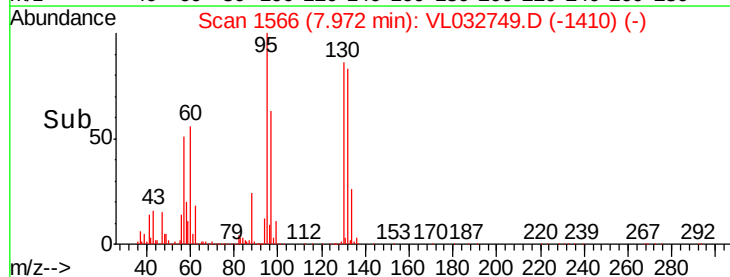
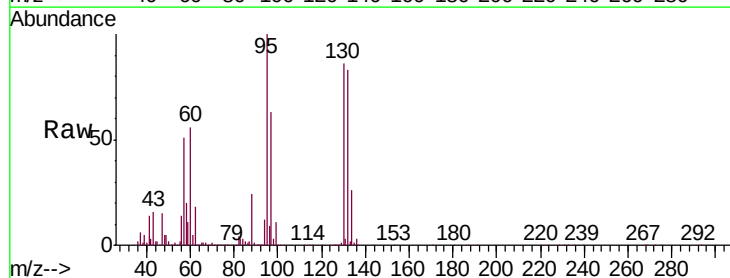
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

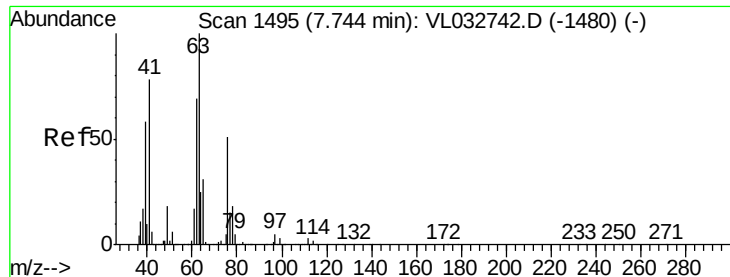
Tgt Ion: 62 Resp: 2027611
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.5 6.7



#38
 Trichloroethene
 Concen: 9.378 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 130 Resp: 1287114
 Ion Ratio Lower Upper
 130 100
 95 116.5 87.7 131.5
 132 96.7 74.6 111.8
 97 73.6 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.677 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

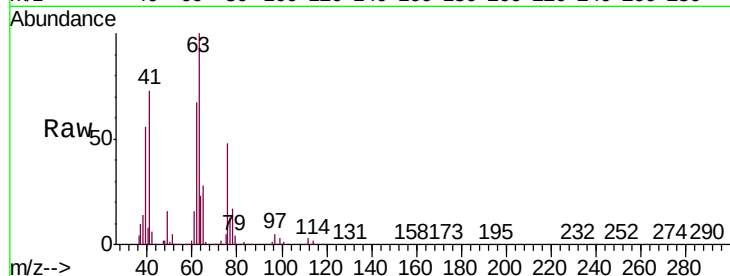
Tgt Ion: 63 Resp: 1250381

Ion Ratio Lower Upper

63 100

41 72.7 62.0 93.0

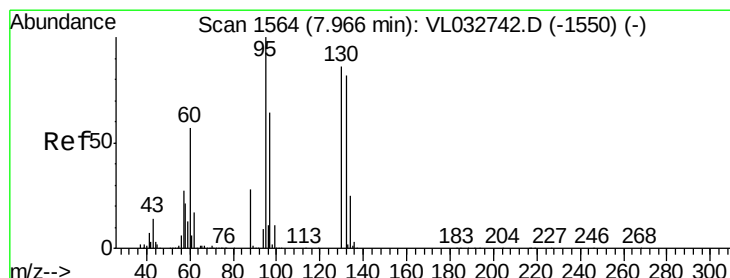
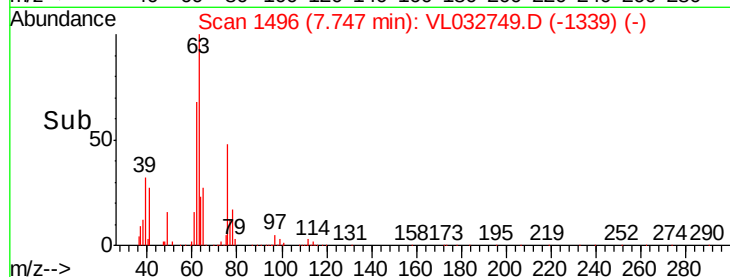
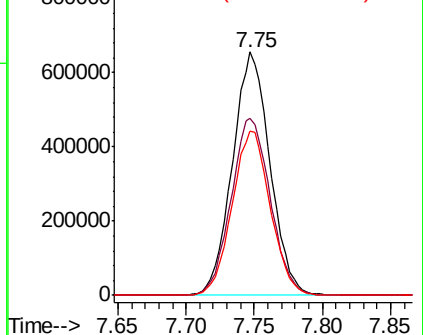
62 67.2 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 4.972 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Tgt Ion: 88 Resp: 229469

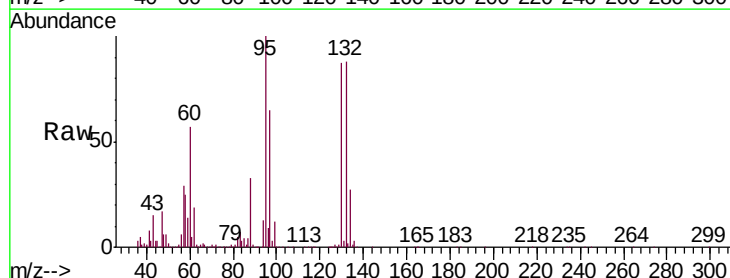
Ion Ratio Lower Upper

88 100

58 262.0 105.3 157.9#

43 0.0 226.1 339.1#

57 0.0 1015.2 1522.8#

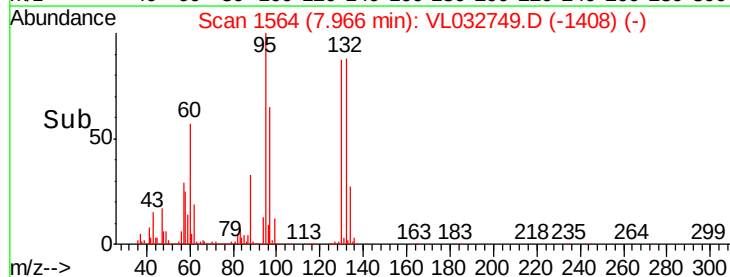
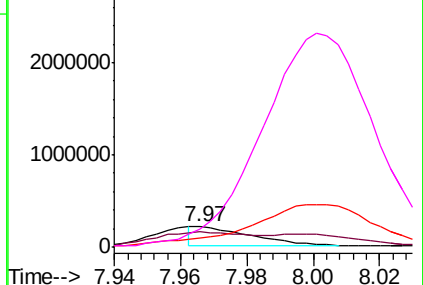


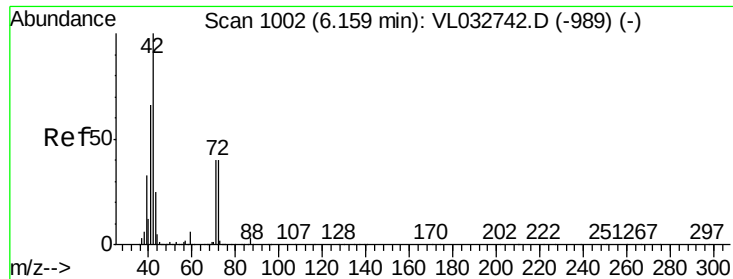
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

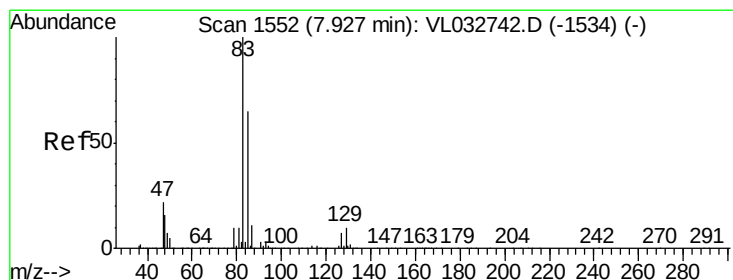
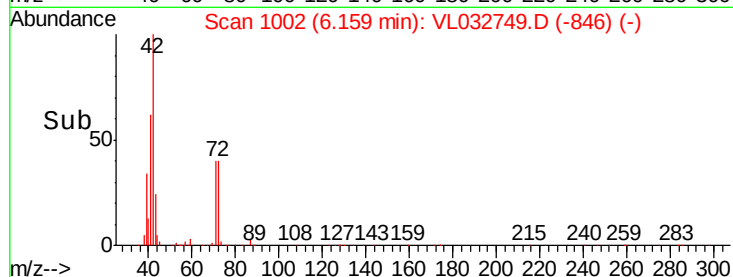
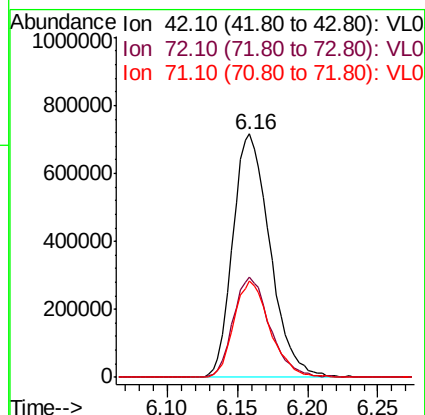
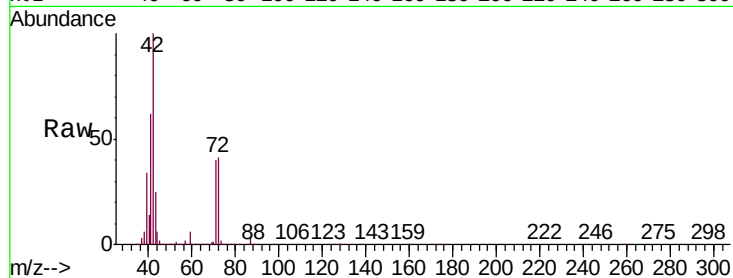




#41
Tetrahydrofuran
Concen: 10.456 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

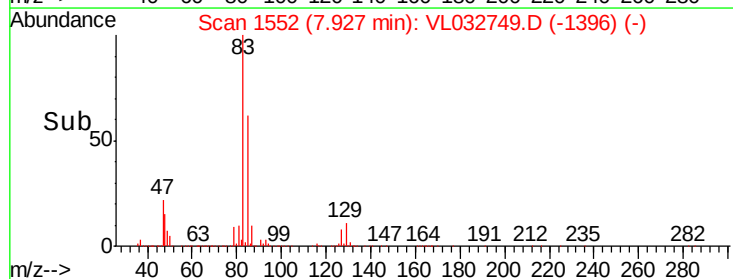
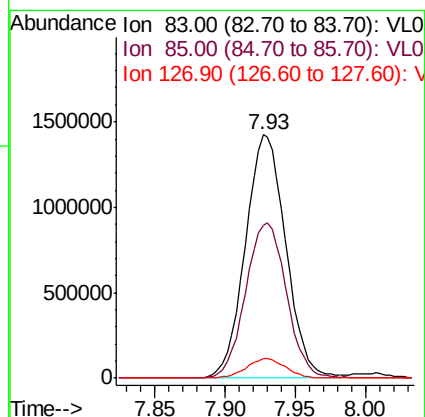
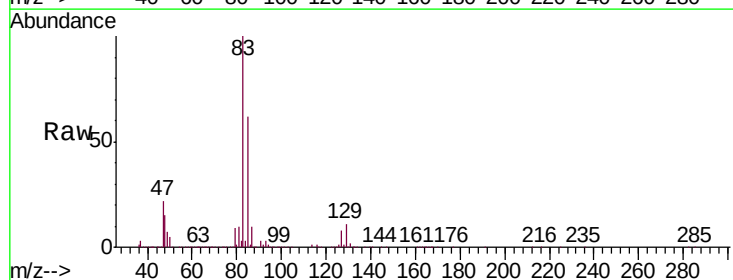
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

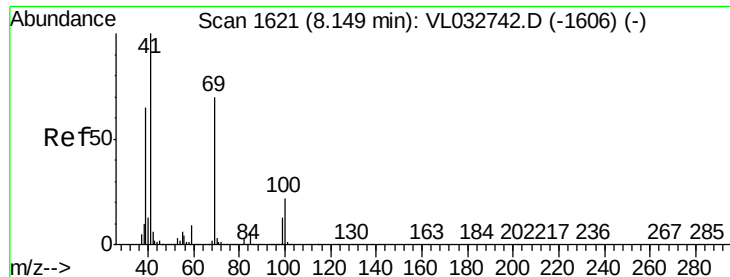
Tgt Ion: 42 Resp: 1324811
Ion Ratio Lower Upper
42 100
72 40.8 32.4 48.6
71 38.8 31.6 47.4



#42
Bromodichloromethane
Concen: 9.220 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion: 83 Resp: 2853227
Ion Ratio Lower Upper
83 100
85 62.5 51.8 77.8
127 8.0 5.9 8.9





#43

Methyl Methacrylate

Concen: 10.449 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

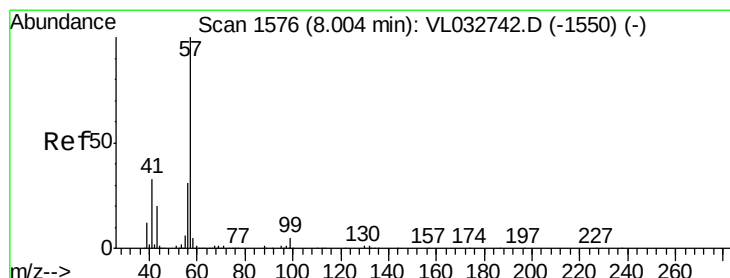
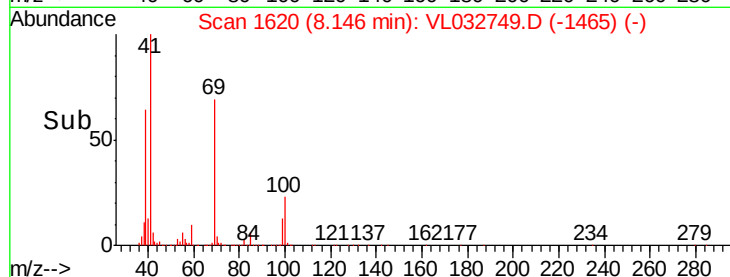
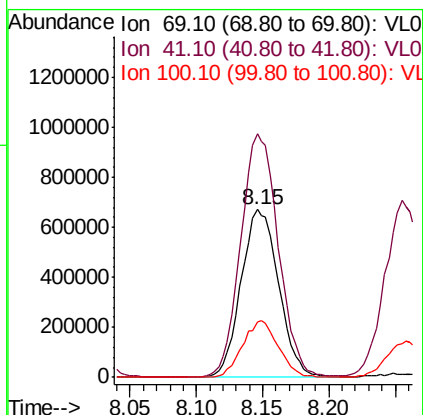
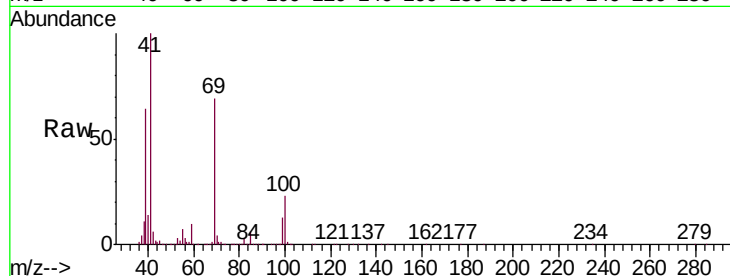
Tgt Ion: 69 Resp: 1322861

Ion Ratio Lower Upper

69 100

41 144.8 115.0 172.4

100 32.2 25.4 38.0



#44

2,2,4-Trimethylpentane

Concen: 9.674 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

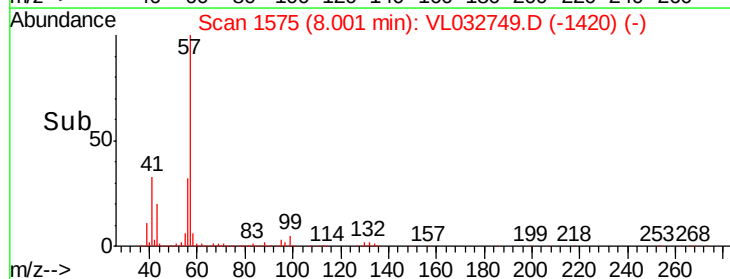
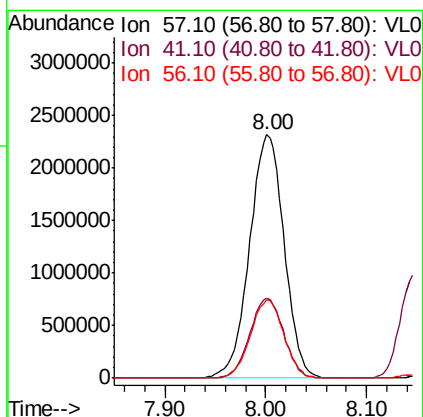
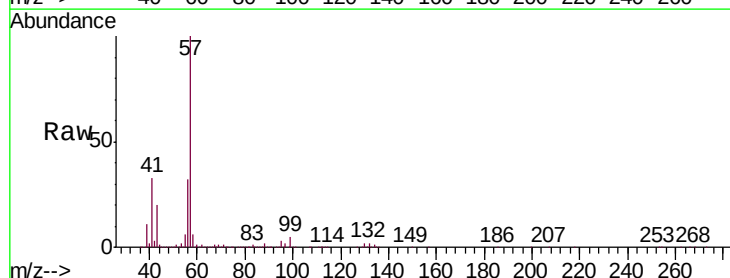
Tgt Ion: 57 Resp: 5482199

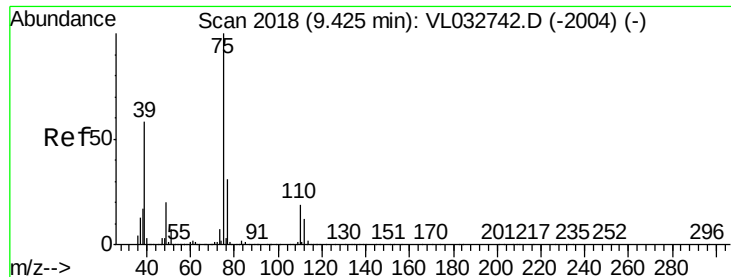
Ion Ratio Lower Upper

57 100

41 32.3 26.6 39.8

56 31.1 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.568 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

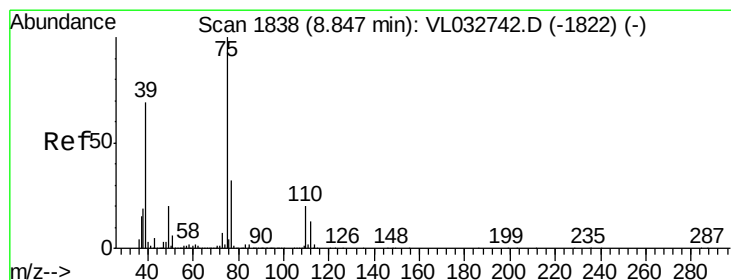
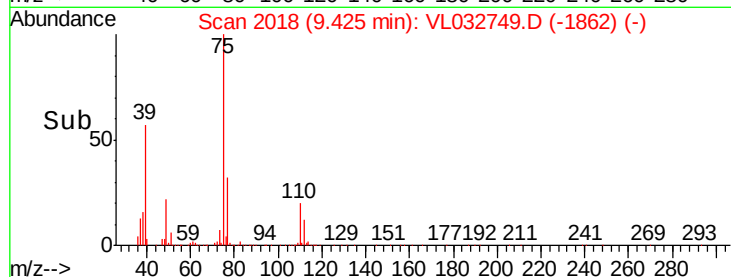
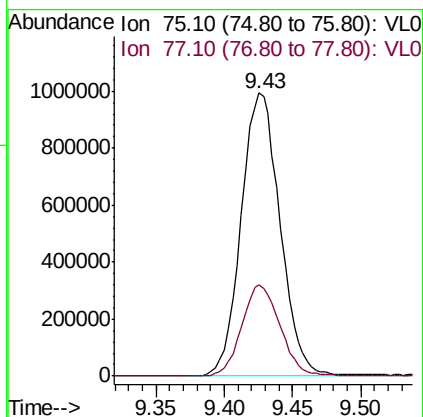
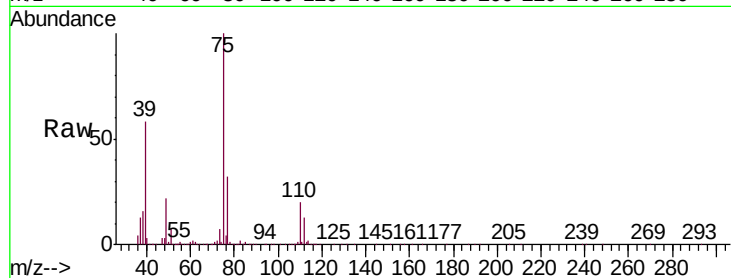
ICVVL111418

Tgt Ion: 75 Resp: 1965256

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 10.926 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

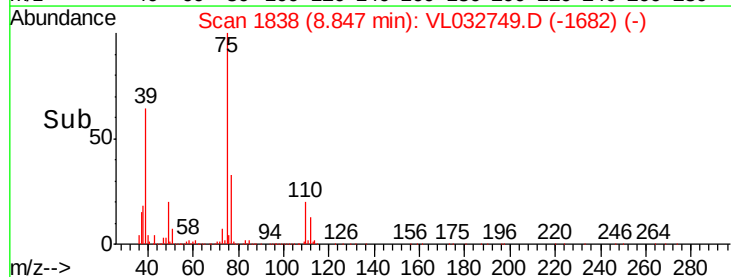
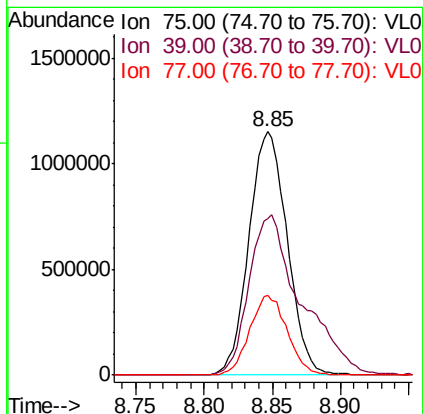
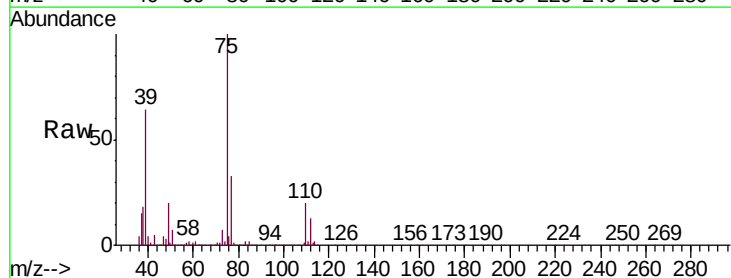
Tgt Ion: 75 Resp: 2242546

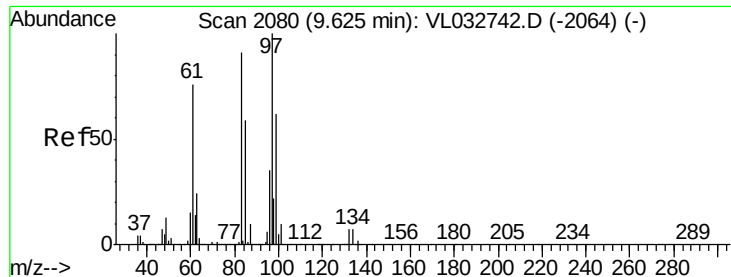
Ion Ratio Lower Upper

75 100

39 64.3 55.2 82.8

77 32.8 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 9.539 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

Tgt Ion: 97 Resp: 1457401

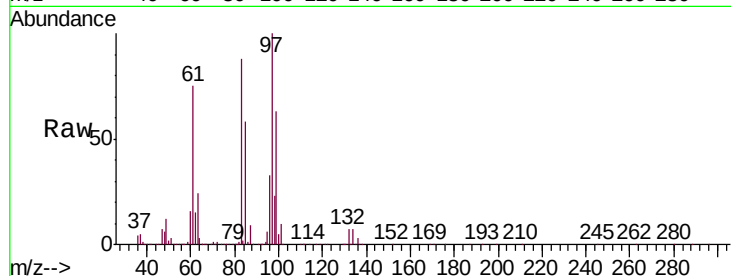
Ion Ratio Lower Upper

97 100

83 88.4 73.0 109.4

85 58.2 47.0 70.4

99 63.4 49.9 74.9

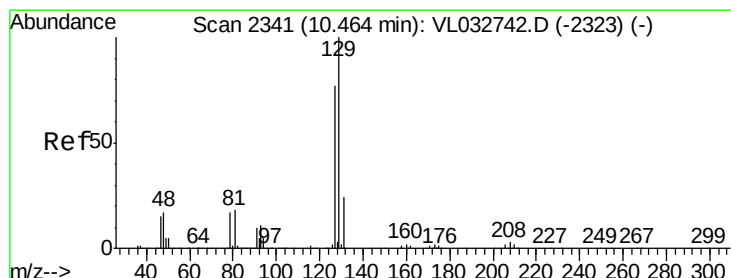
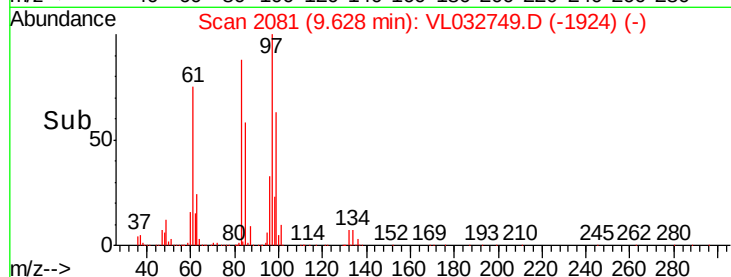
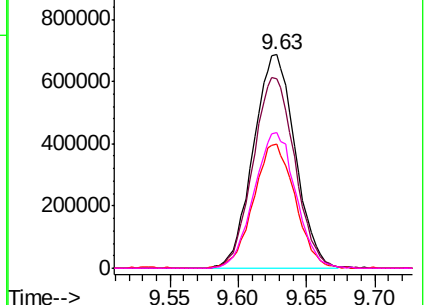


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.152 ppbv

RT: 10.46 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VL032749.D

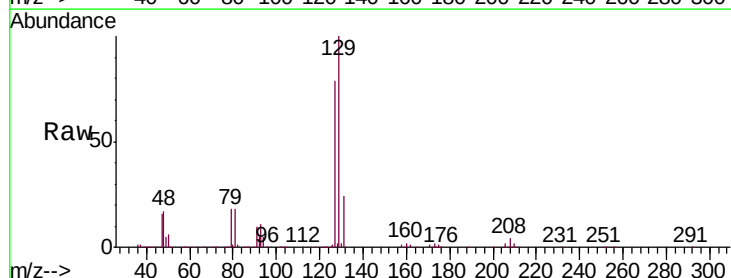
Acq: 14 Nov 2018 6:54

Tgt Ion: 129 Resp: 2636160

Ion Ratio Lower Upper

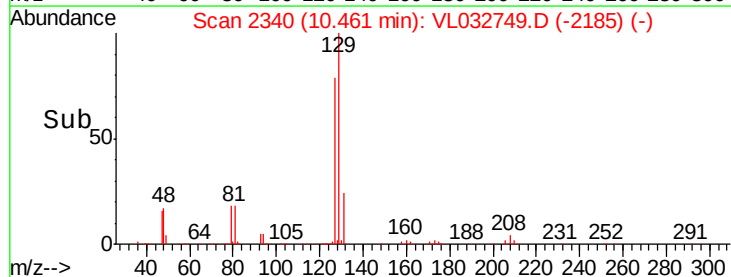
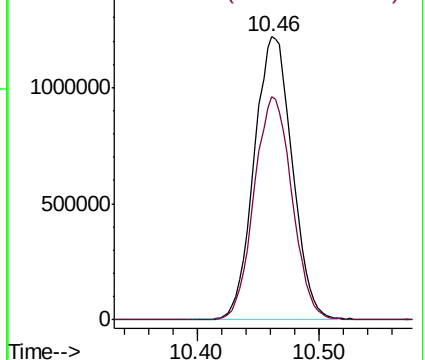
129 100

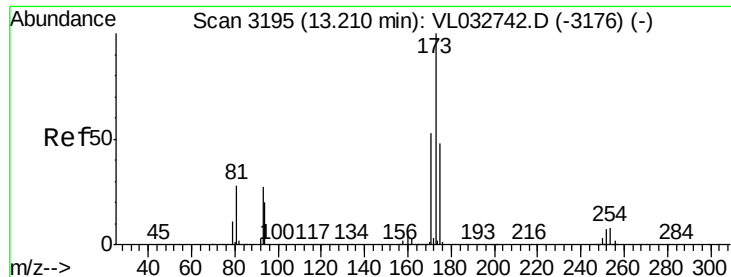
127 78.5 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.403 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

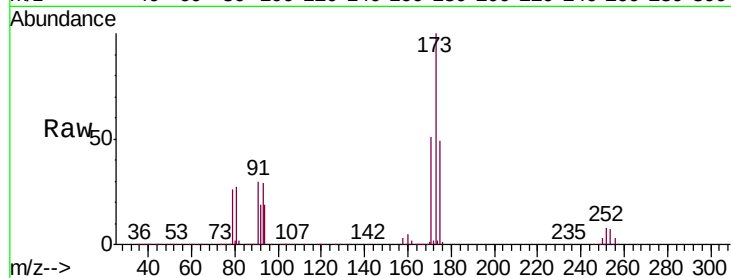
Tgt Ion:173 Resp: 2016598

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

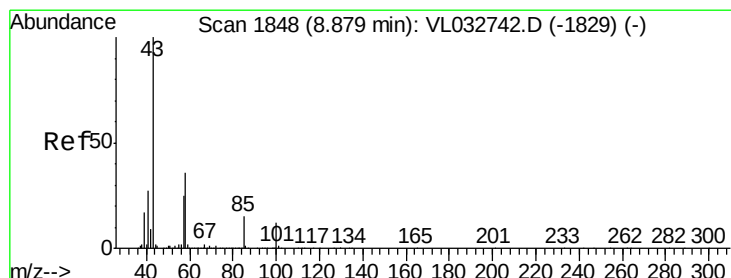
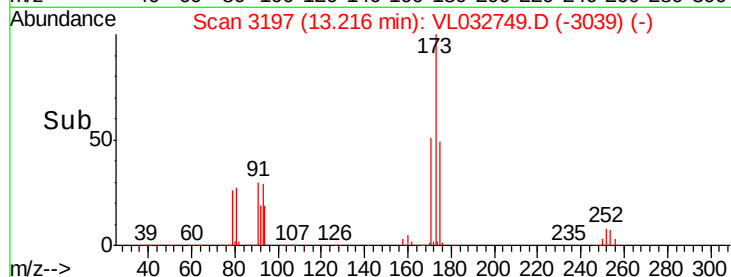
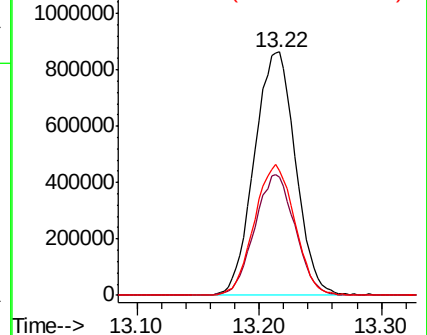
171 52.8 42.0 63.0



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: 9.981 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL032749.D

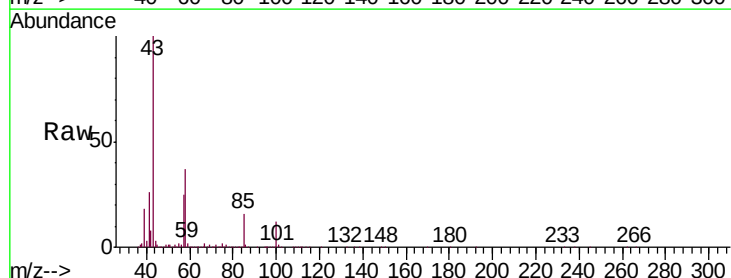
Acq: 14 Nov 2018 6:54

Tgt Ion: 43 Resp: 3443263

Ion Ratio Lower Upper

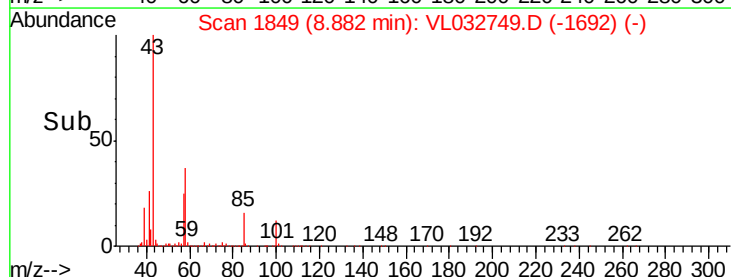
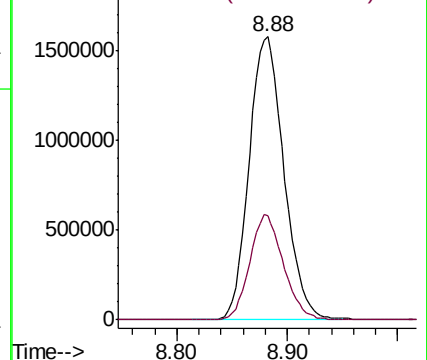
43 100

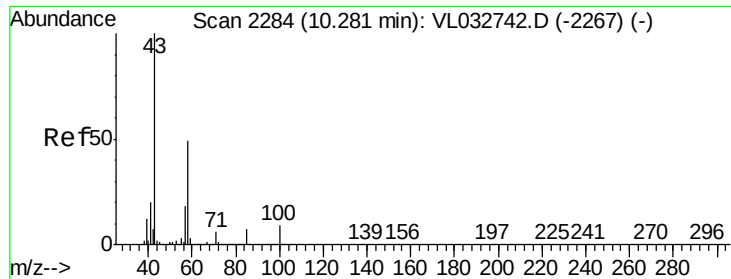
58 35.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

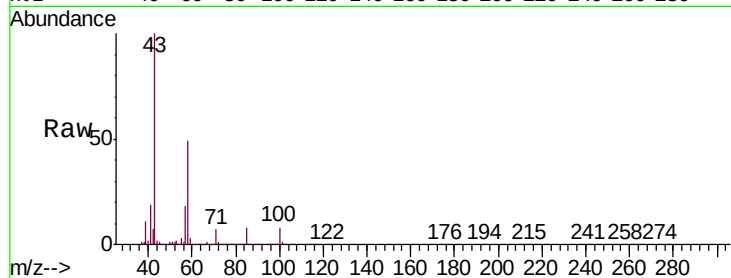




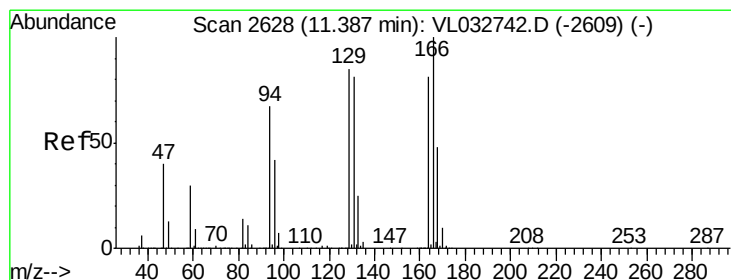
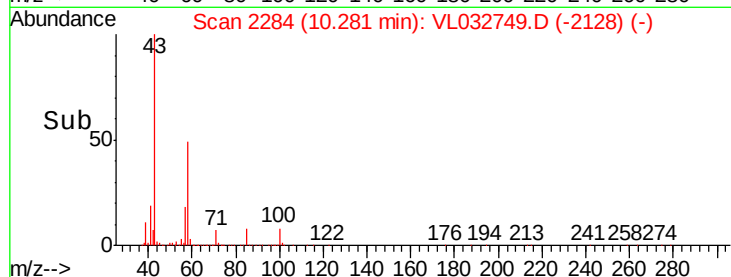
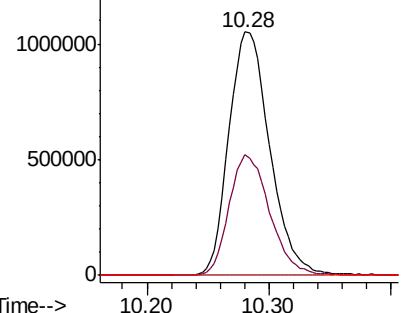
#51
2-Hexanone
Concen: 10.959 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

Tgt Ion: 43 Resp: 2435723
Ion Ratio Lower Upper
43 100
58 49.2 38.9 58.3
98 0.3 0.2 0.4

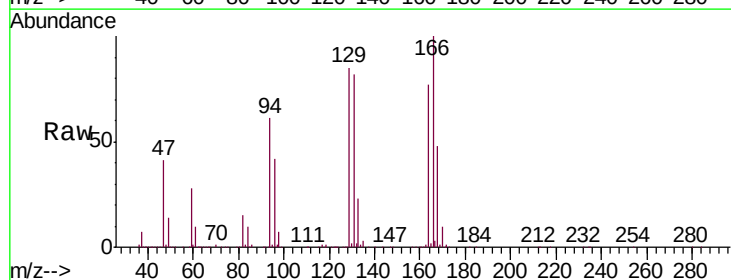


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

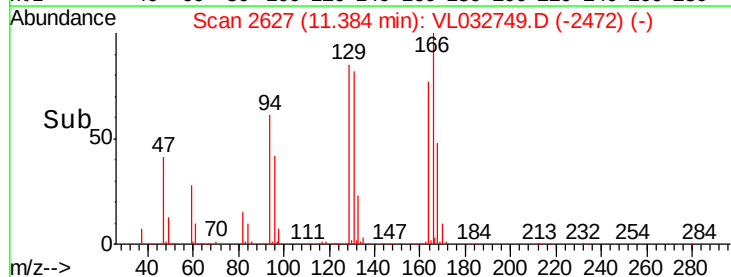
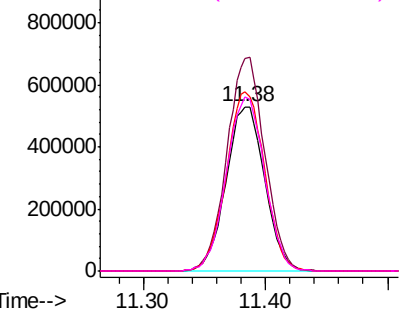


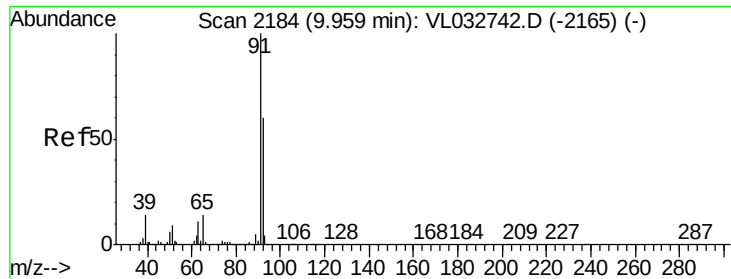
#52
Tetrachloroethene
Concen: 9.773 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion: 164 Resp: 1152873
Ion Ratio Lower Upper
164 100
166 129.0 99.3 148.9
129 109.1 83.9 125.9
131 105.6 80.8 121.2



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: 10.730 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

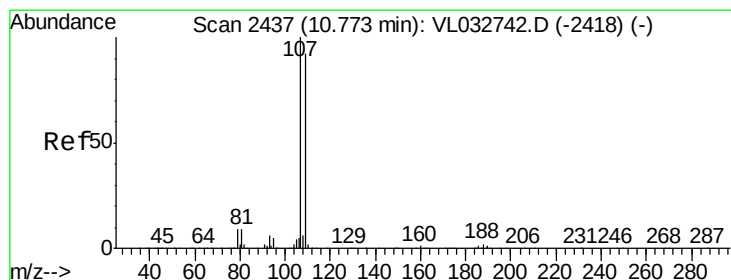
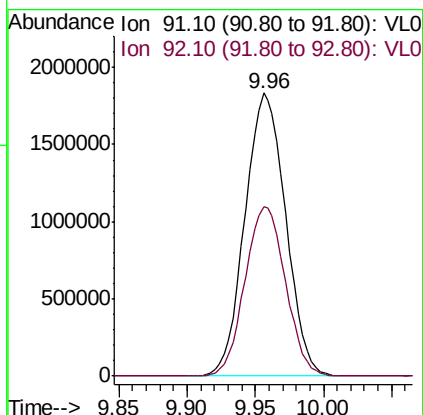
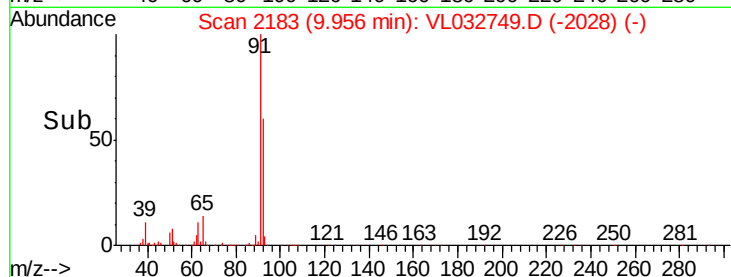
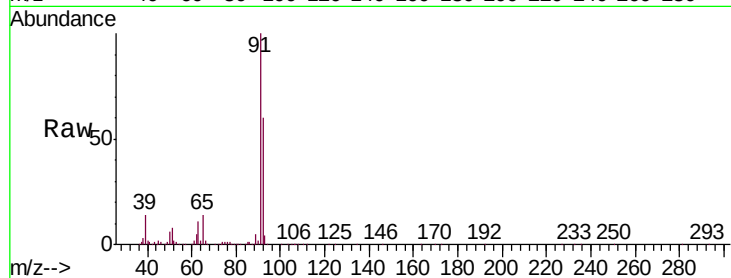
ICVVL111418

Tgt Ion: 91 Resp: 3796220

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.797 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032749.D

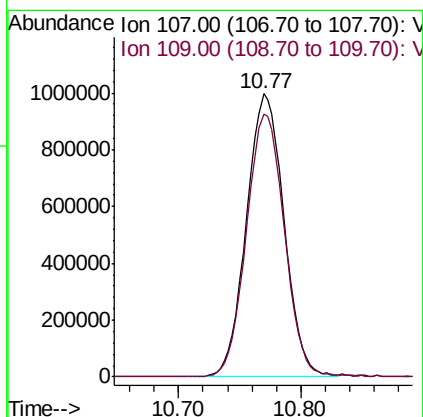
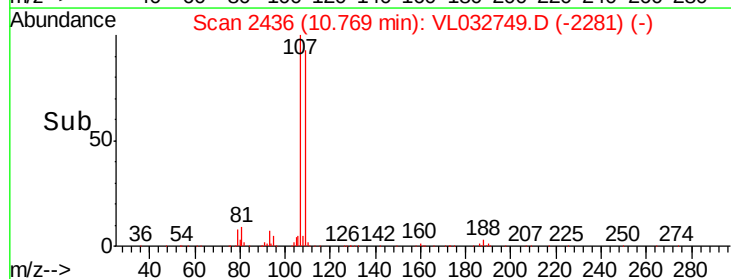
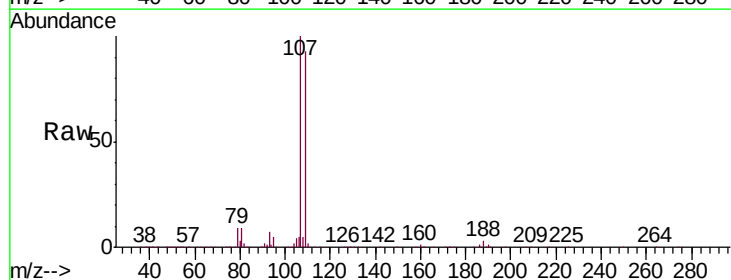
Acq: 14 Nov 2018 6:54

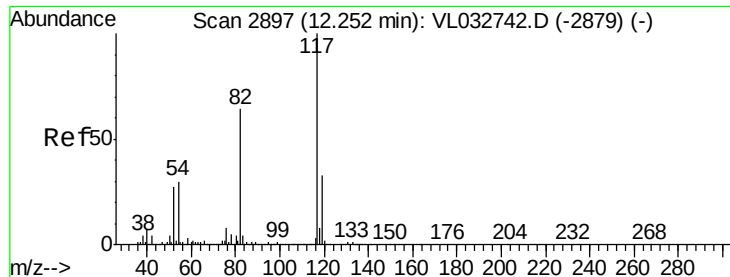
Tgt Ion: 107 Resp: 2115826

Ion Ratio Lower Upper

107 100

109 92.8 73.8 110.8

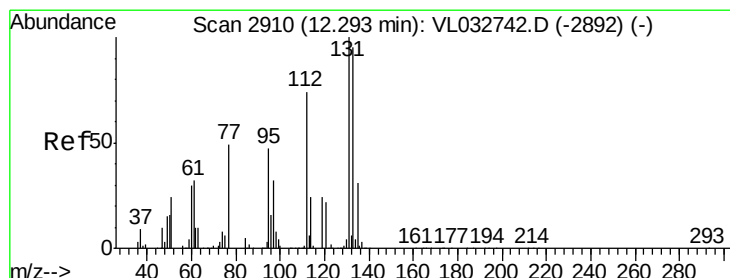
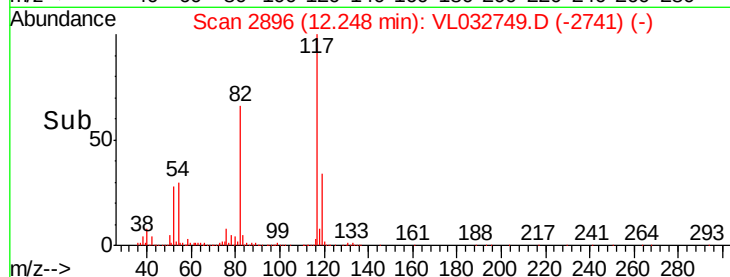
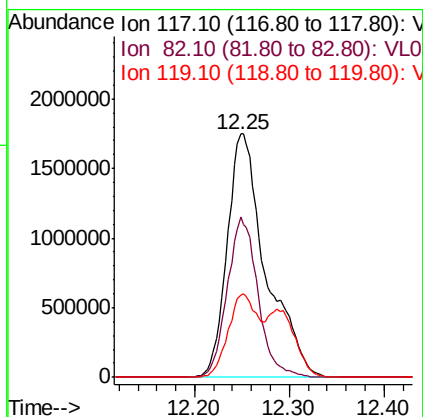
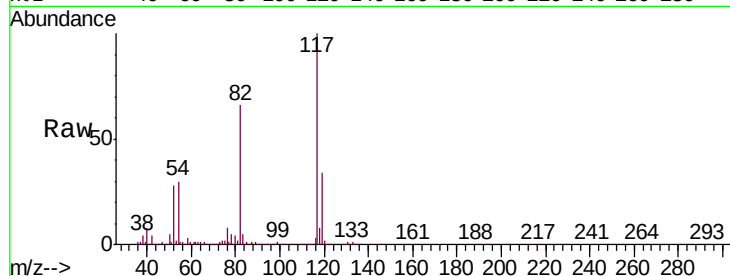




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

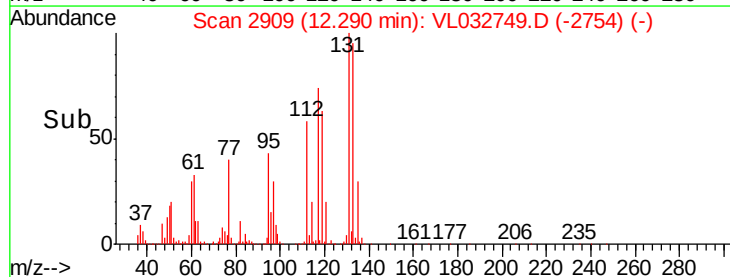
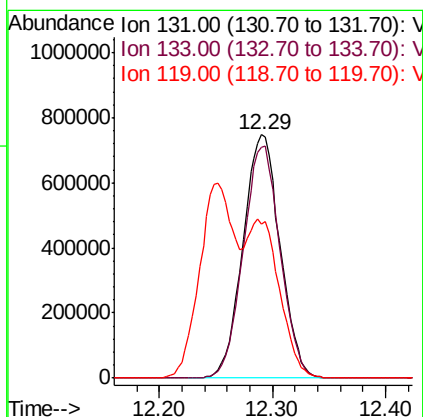
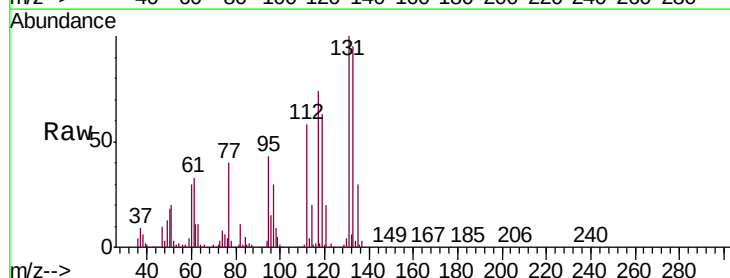
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

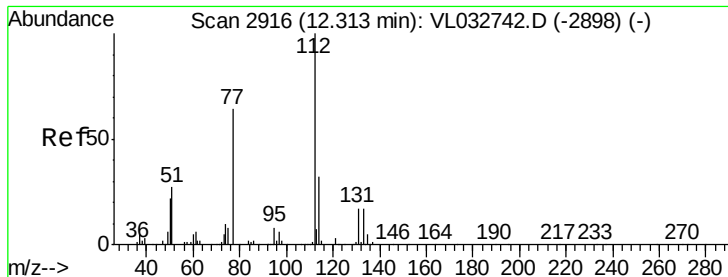
Tgt Ion:117 Resp: 4957226
Ion Ratio Lower Upper
117 100
82 52.4 51.0 76.6
119 46.9 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.357 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion:131 Resp: 1700949
Ion Ratio Lower Upper
131 100
133 95.2 75.8 113.6
119 56.4 45.2 67.8





#57

Chlorobenzene

Concen: 7.494 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

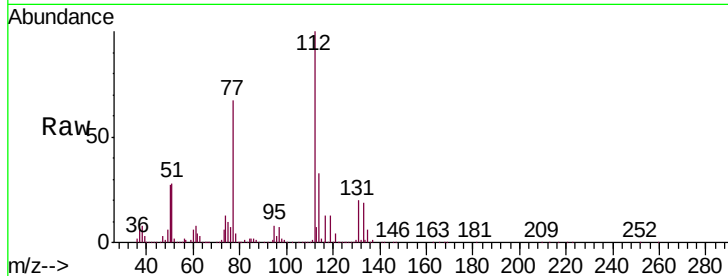
Tgt Ion: 112 Resp: 2843711

Ion Ratio Lower Upper

112 100

77 67.1 52.3 78.5

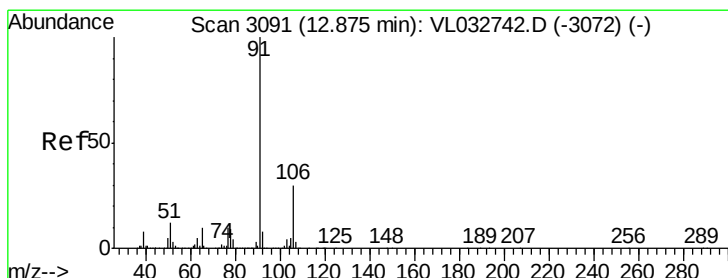
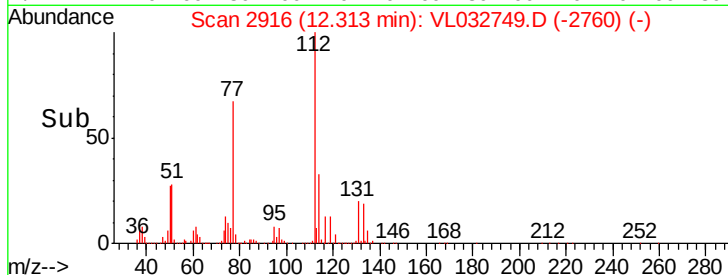
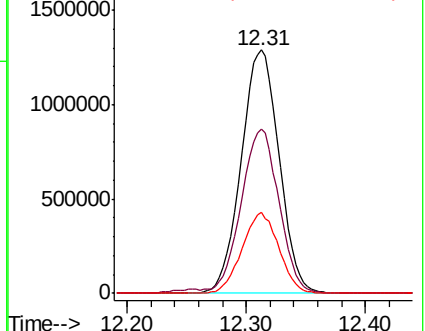
114 33.3 28.4 34.8



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: 8.544 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032749.D

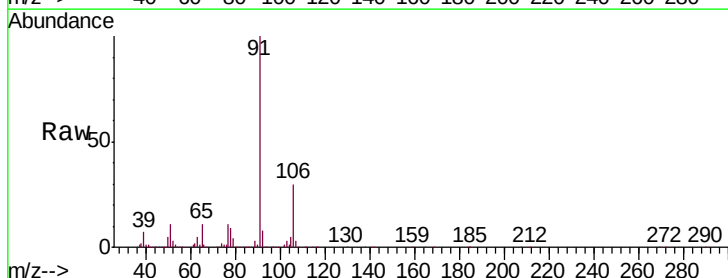
Acq: 14 Nov 2018 6:54

Tgt Ion: 91 Resp: 5097509

Ion Ratio Lower Upper

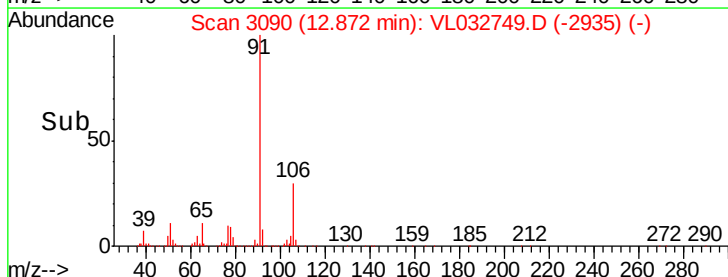
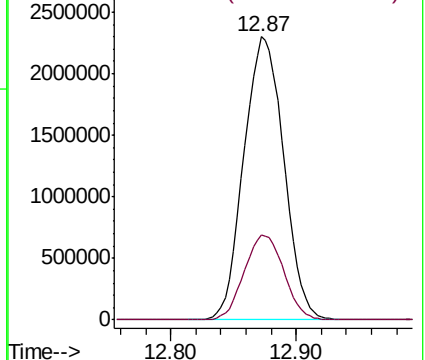
91 100

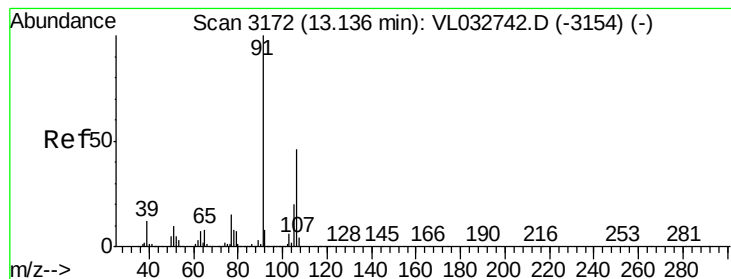
106 30.2 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.798 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

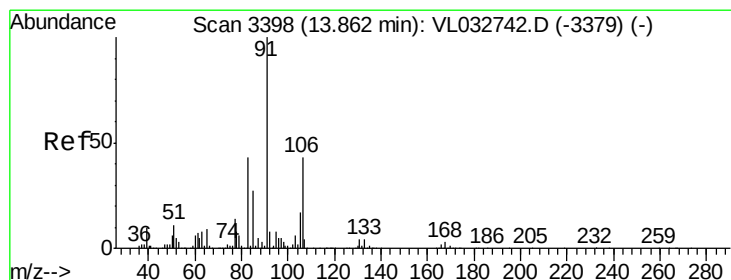
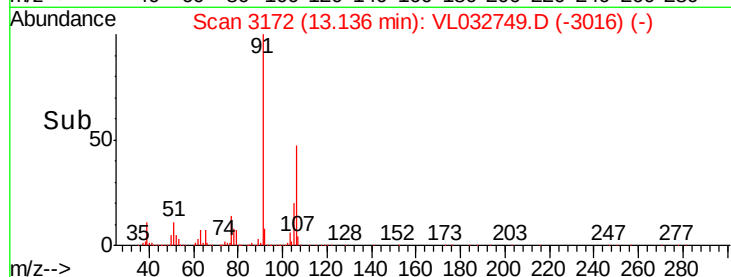
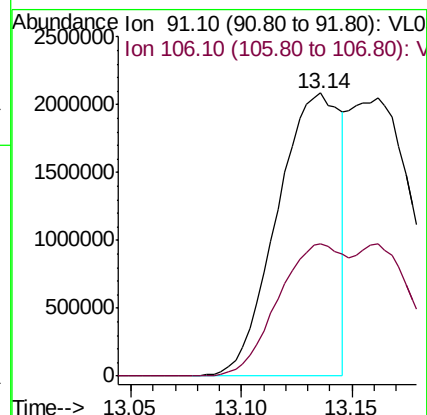
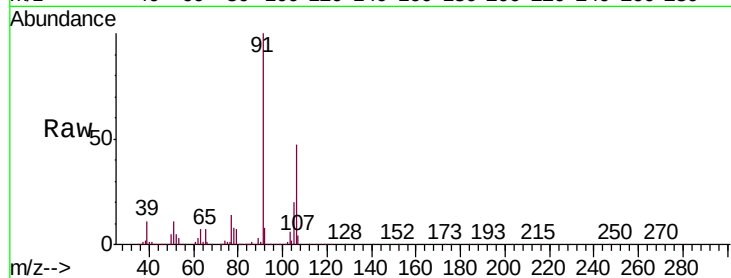
ICVVL111418

Tgt Ion: 91 Resp: 4141485

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 7.689 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL032749.D

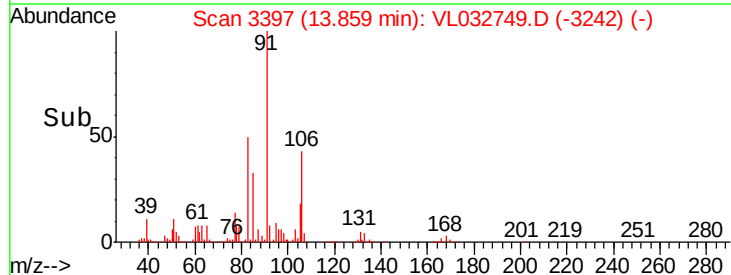
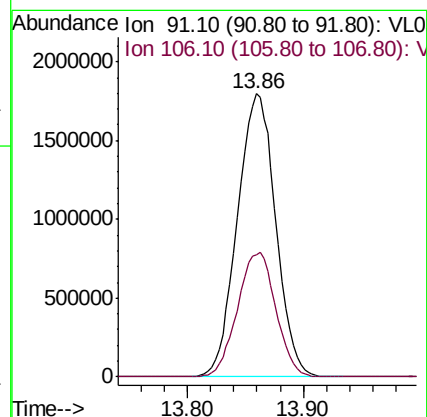
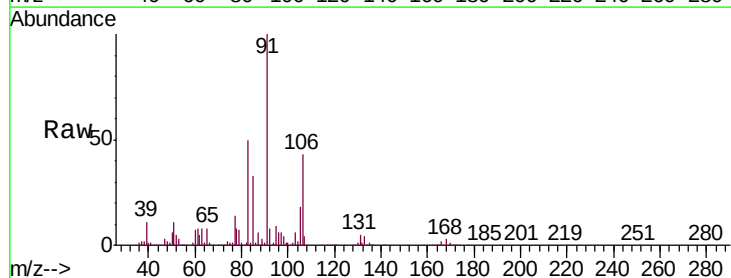
Acq: 14 Nov 2018 6:54

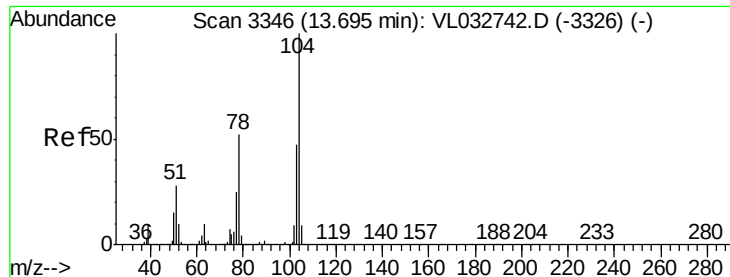
Tgt Ion: 91 Resp: 4106229

Ion Ratio Lower Upper

91 100

106 44.2 21.9 65.7





#61

Styrene

Concen: 9.186 ppbv

RT: 13.70 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

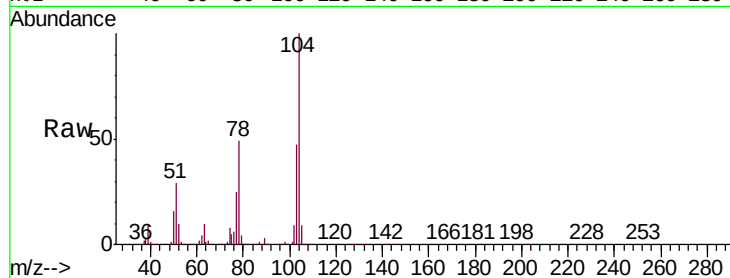
Tgt Ion:104 Resp: 3193424

Ion Ratio Lower Upper

104 100

78 51.6 42.2 63.4

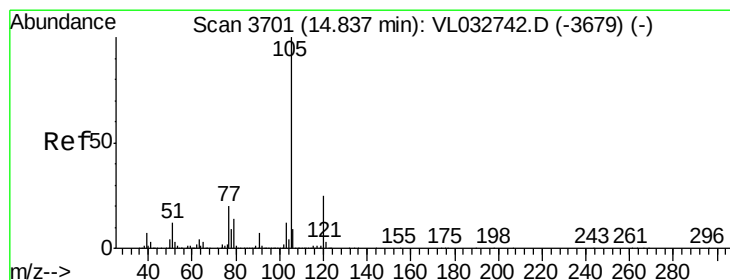
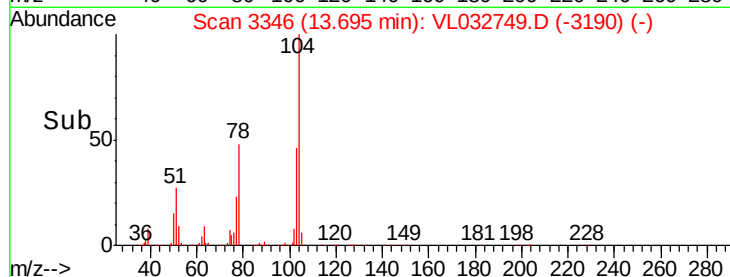
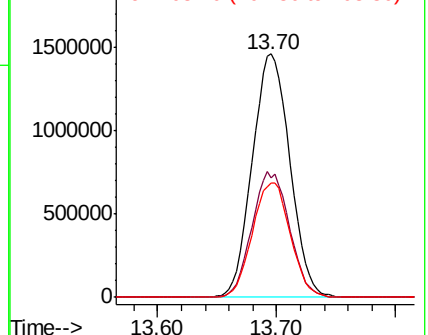
103 47.5 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.011 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032749.D

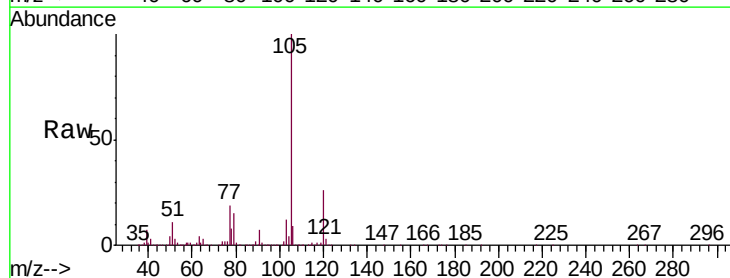
Acq: 14 Nov 2018 6:54

Tgt Ion:105 Resp: 5782282

Ion Ratio Lower Upper

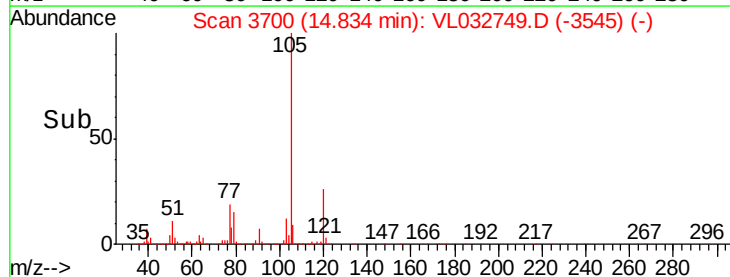
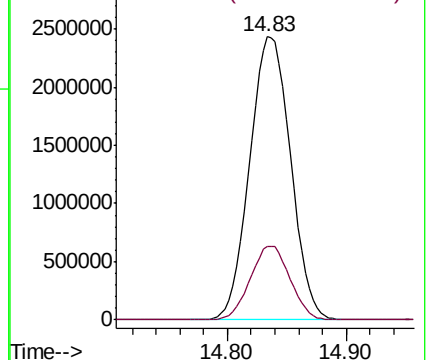
105 100

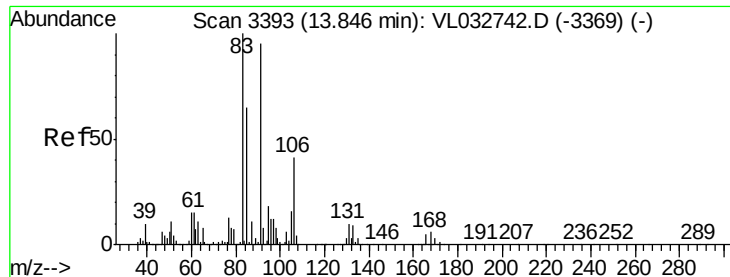
120 25.4 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

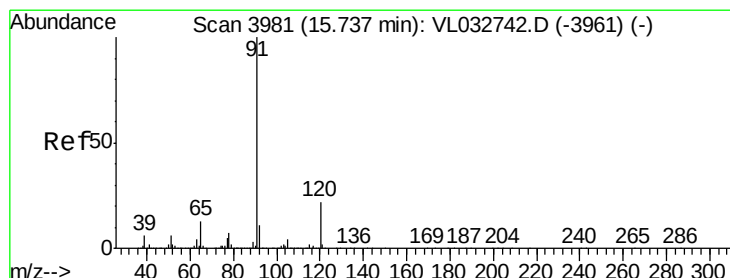
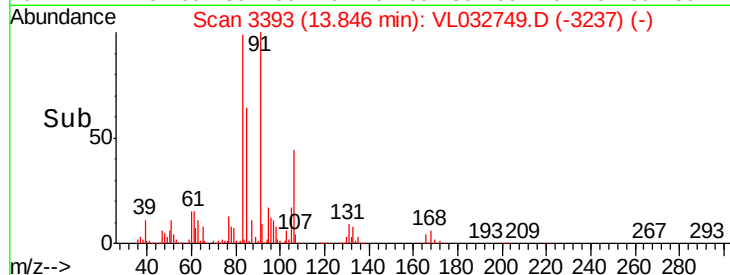
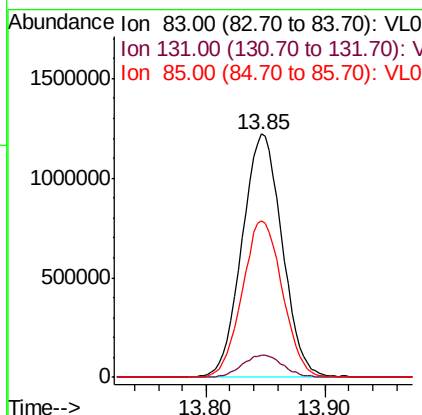
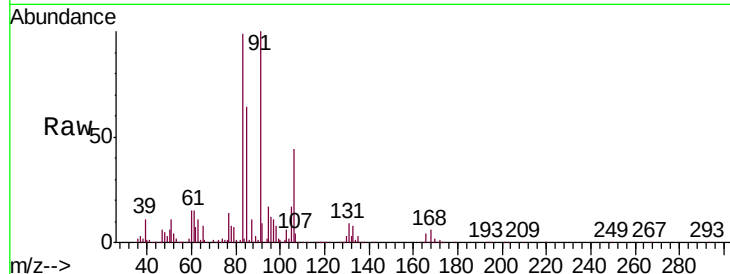




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.849 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

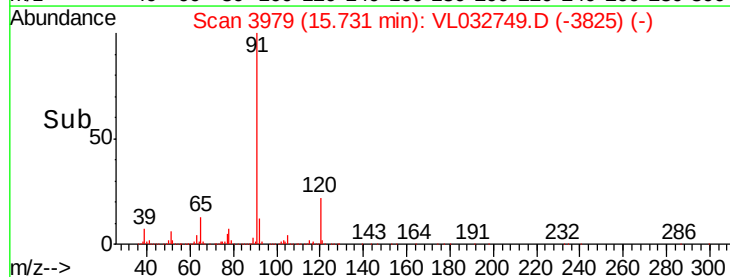
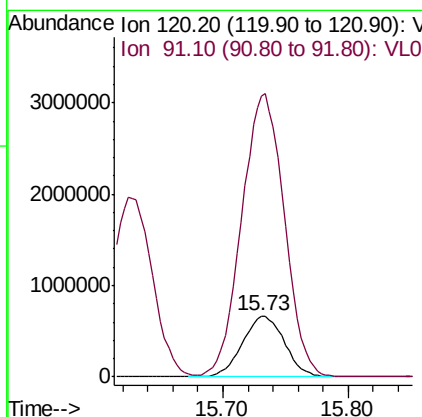
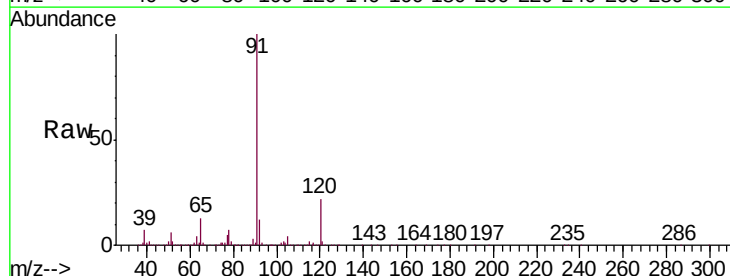
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

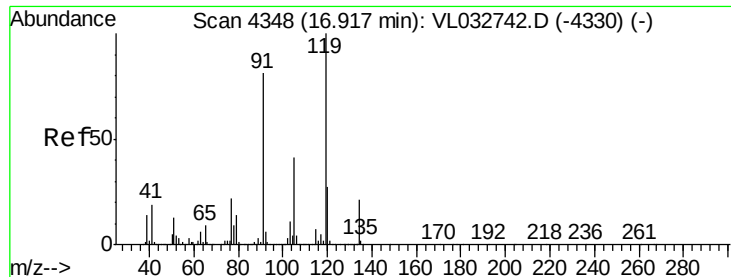
Tgt Ion: 83 Resp: 2850949
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.121 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 120 Resp: 1541827
 Ion Ratio Lower Upper
 120 100
 91 476.0 381.7 572.5

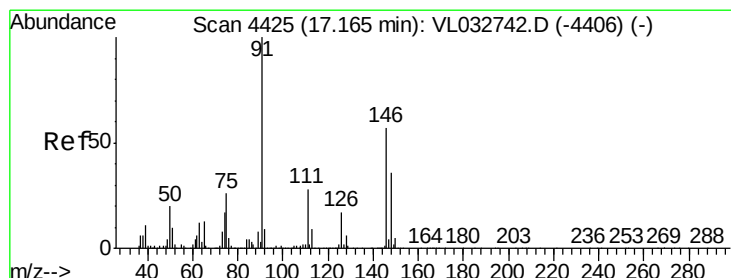
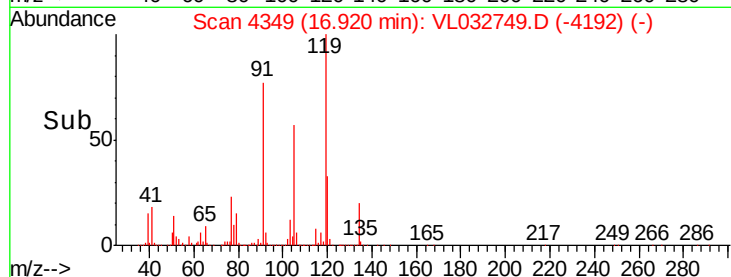
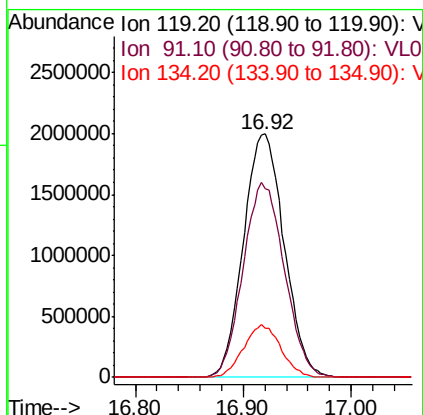
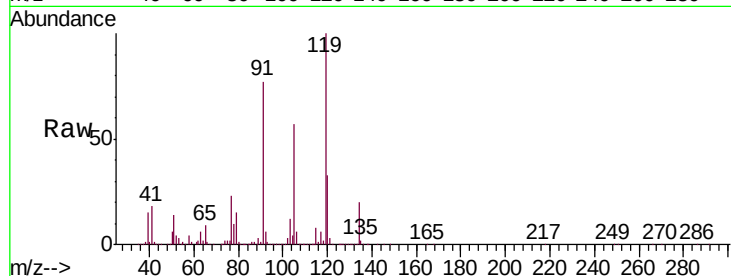




#65
 tert-Butylbenzene
 Concen: 8.087 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

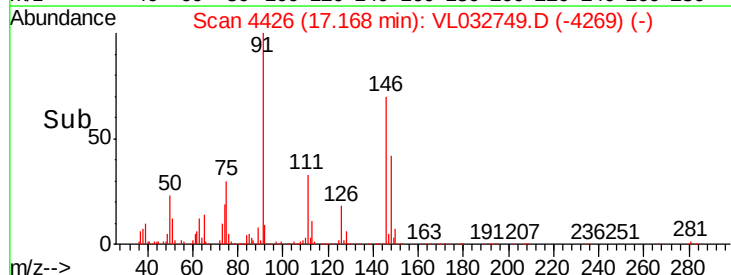
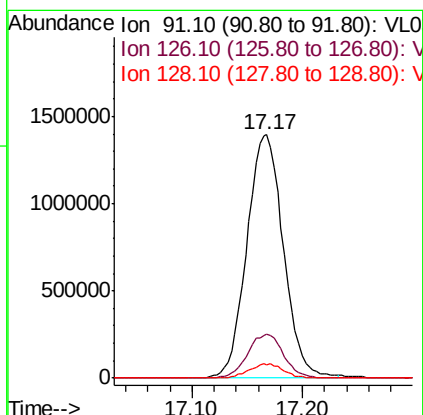
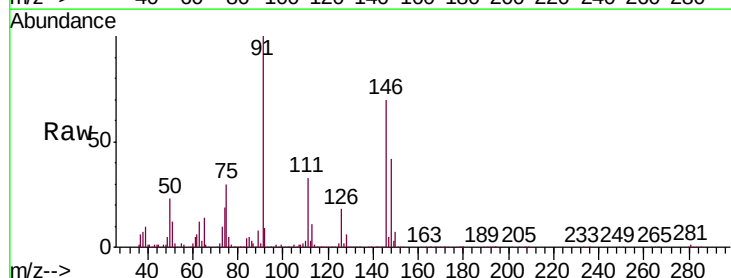
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

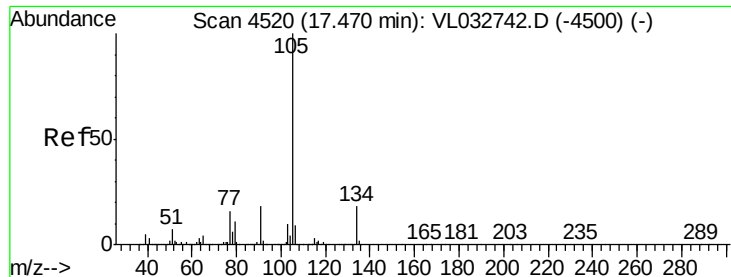
Tgt Ion: 119 Resp: 5232512
 Ion Ratio Lower Upper
 119 100
 91 81.3 65.6 98.4
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.939 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion: 91 Resp: 3197600
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.2 21.2
 128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.902 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

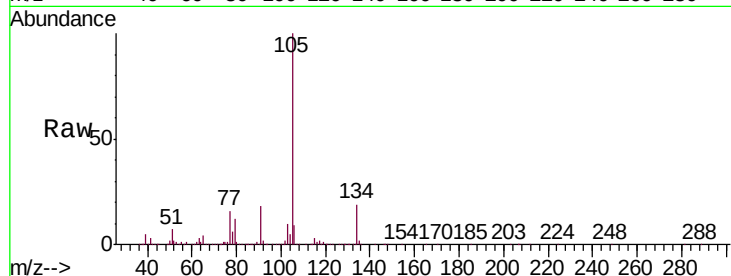
ICVVL111418

Tgt Ion:105 Resp: 7368347

Ion Ratio Lower Upper

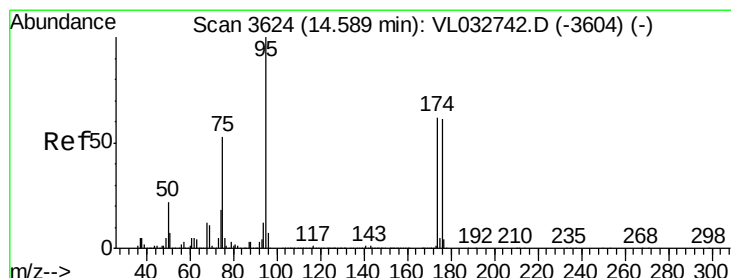
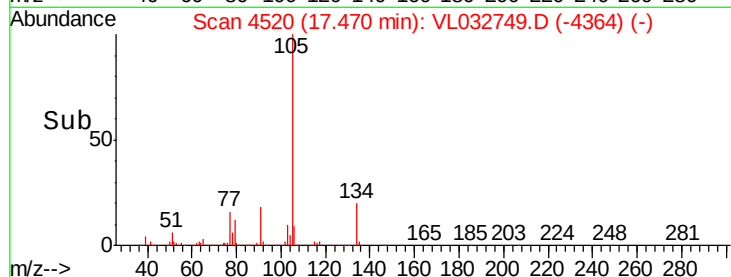
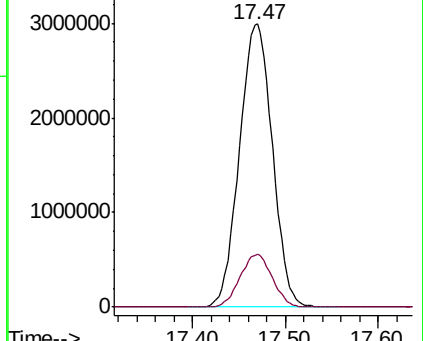
105 100

134 18.3 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.108 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

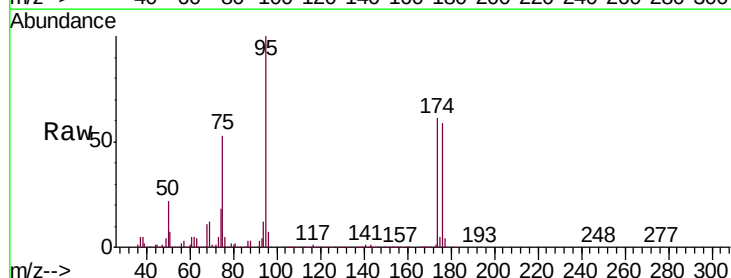
Tgt Ion: 95 Resp: 3006378

Ion Ratio Lower Upper

95 100

174 63.7 50.7 76.1

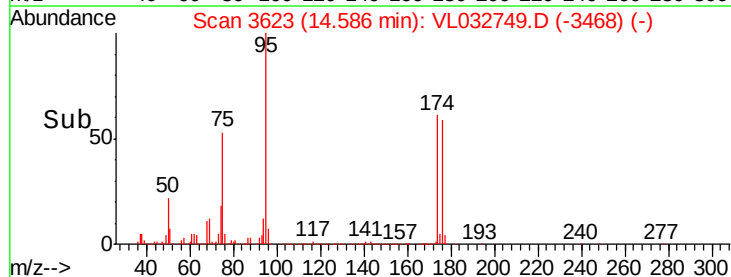
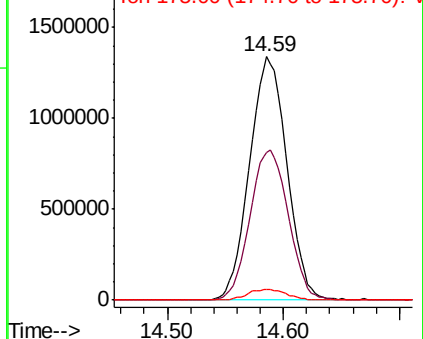
175 4.7 3.8 5.6

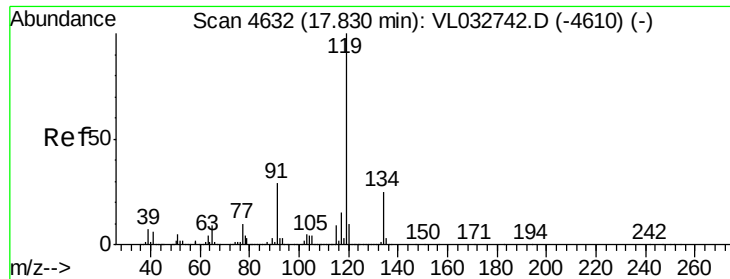


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

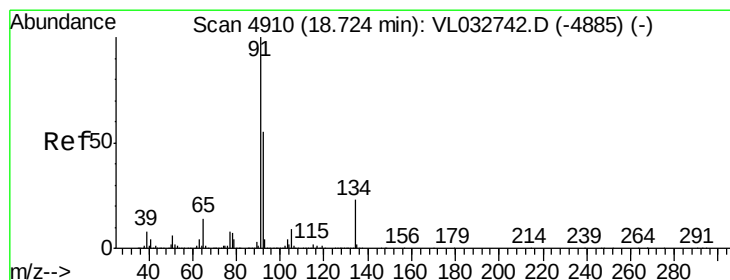
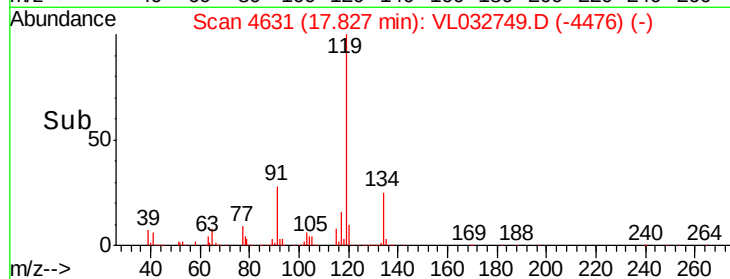
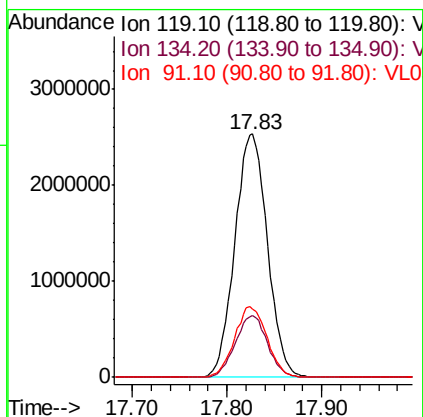
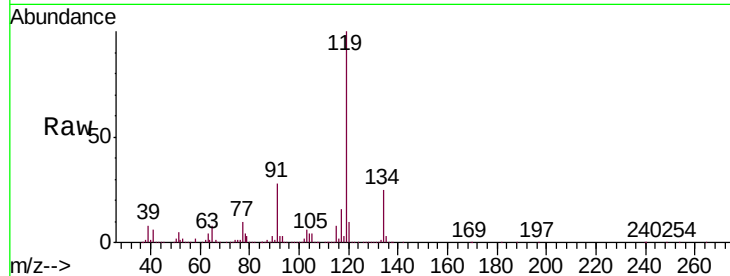




#69
p-Isopropyltoluene
Concen: 8.171 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

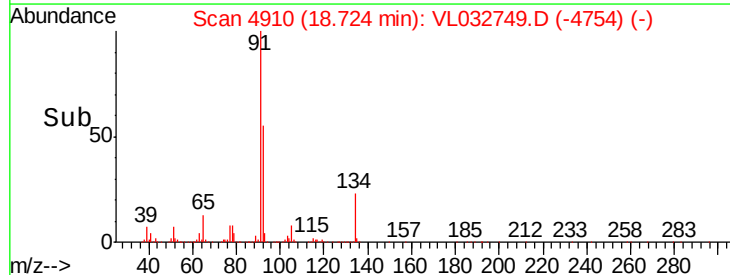
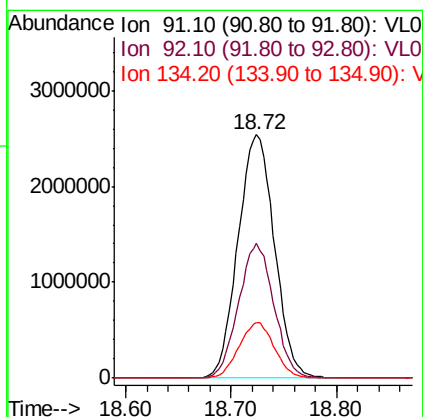
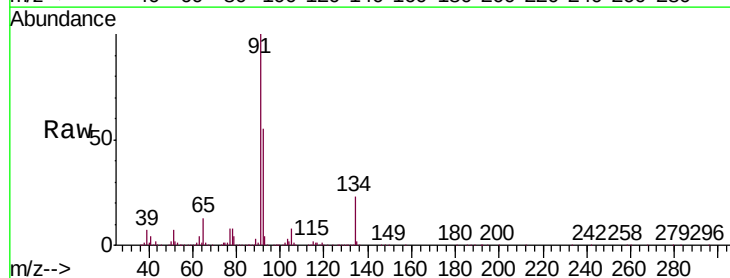
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

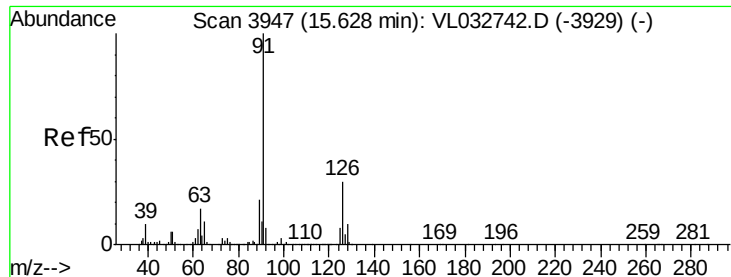
Tgt Ion: 119 Resp: 6058493
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.4
91 29.0 23.5 35.3



#70
n-Butylbenzene
Concen: 8.082 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion: 91 Resp: 6084416
Ion Ratio Lower Upper
91 100
92 53.7 42.9 64.3
134 22.3 17.8 26.8

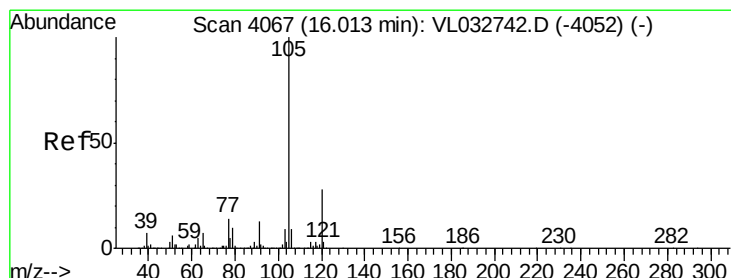
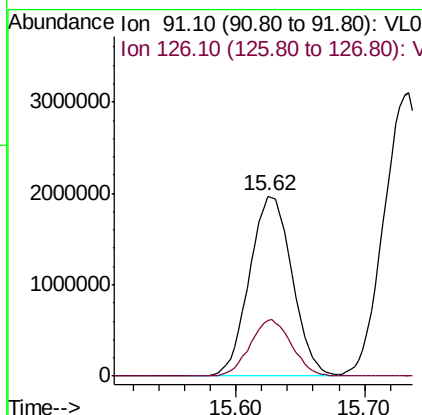
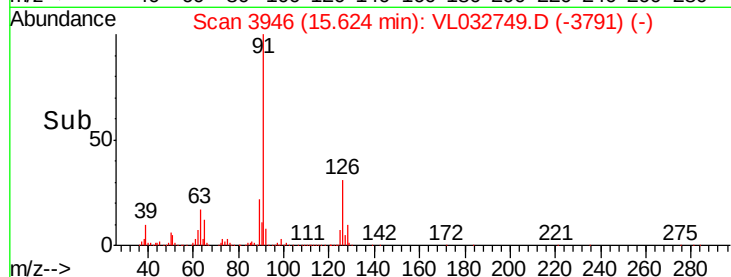
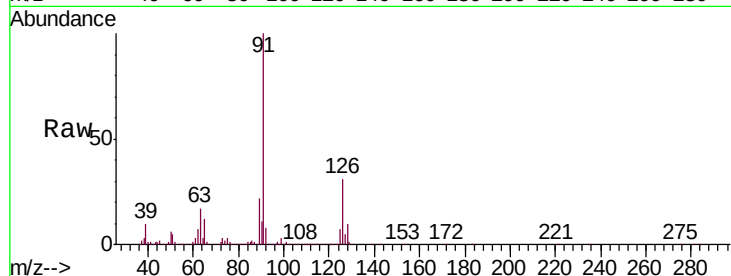




#71
2-Chlorotoluene
Concen: 8.447 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

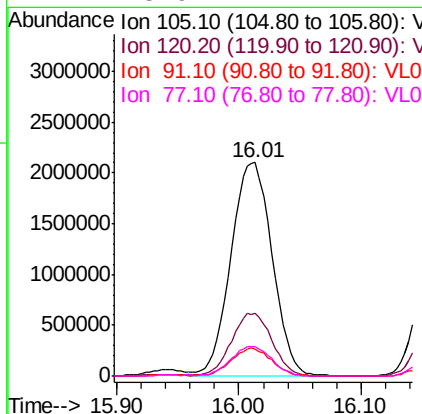
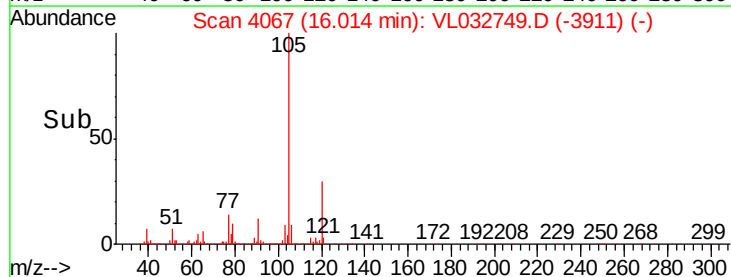
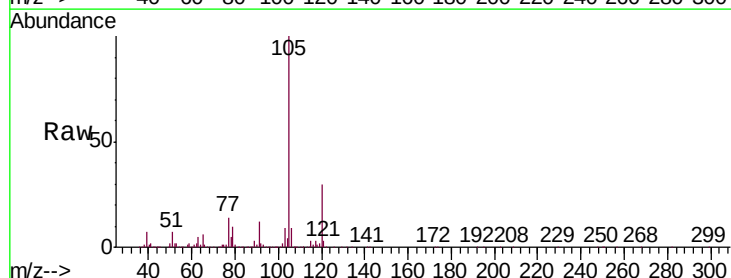
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111418

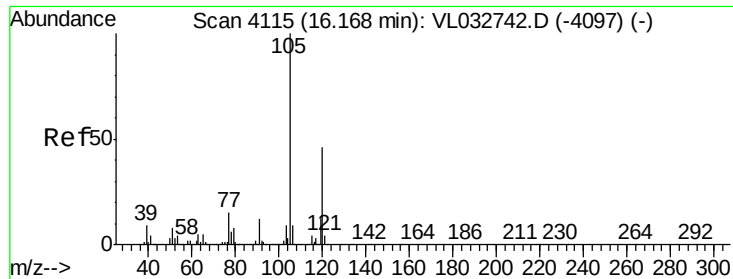
Tgt Ion: 91 Resp: 4547115
Ion Ratio Lower Upper
91 100
126 30.6 12.1 48.5



#72
4-Ethyltoluene
Concen: 8.401 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. 0.00 min
Lab File: VL032749.D
Acq: 14 Nov 2018 6:54

Tgt Ion: 105 Resp: 4917524
Ion Ratio Lower Upper
105 100
120 28.9 22.9 34.3
91 12.7 10.6 15.8
77 13.9 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.168 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

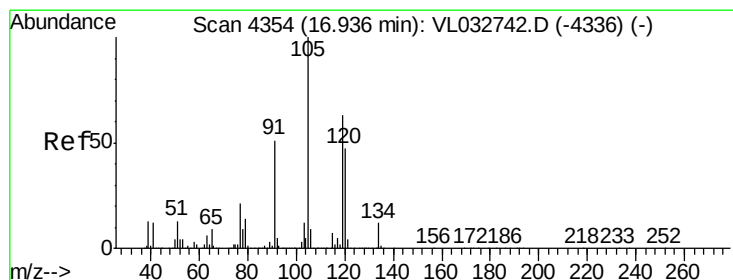
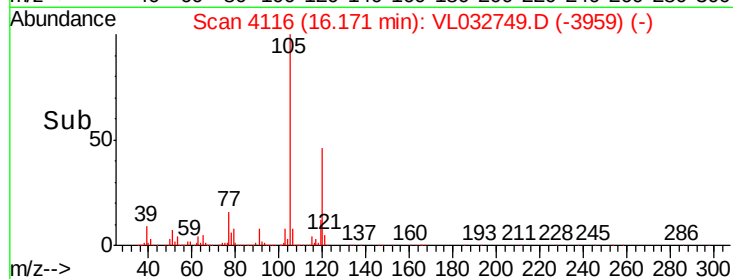
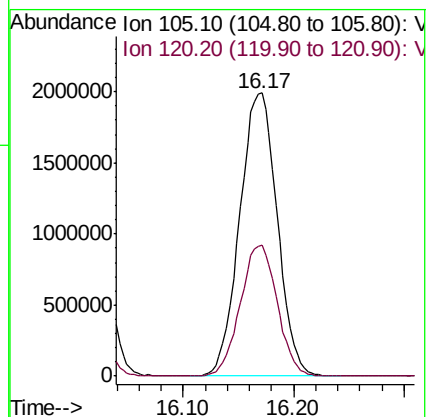
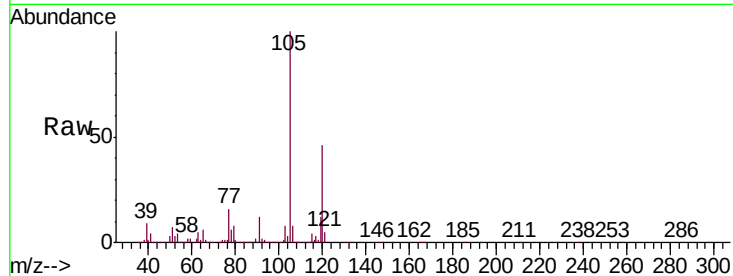
ICVVL111418

Tgt Ion:105 Resp: 4674223

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0



#74

1,2,4-Trimethylbenzene

Concen: 7.675 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Tgt Ion:105 Resp: 4700239

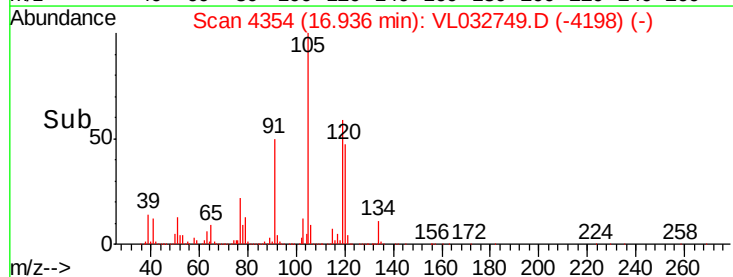
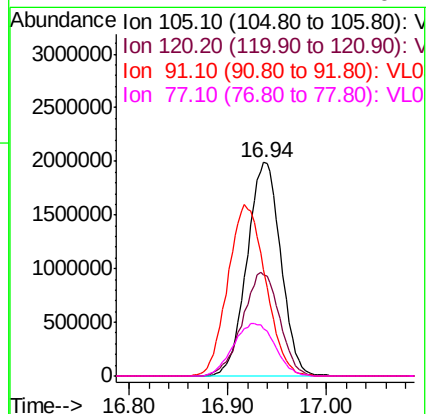
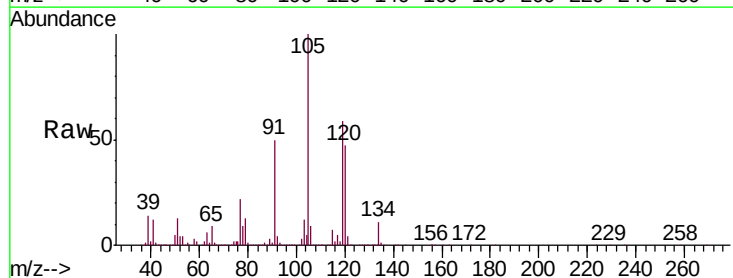
Ion Ratio Lower Upper

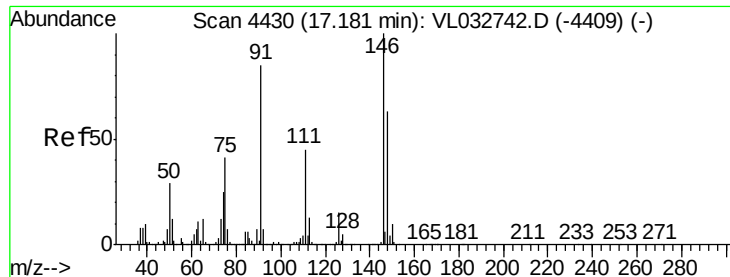
105 100

120 47.4 37.6 56.4

91 49.5 42.5 63.7

77 22.2 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 7.510 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

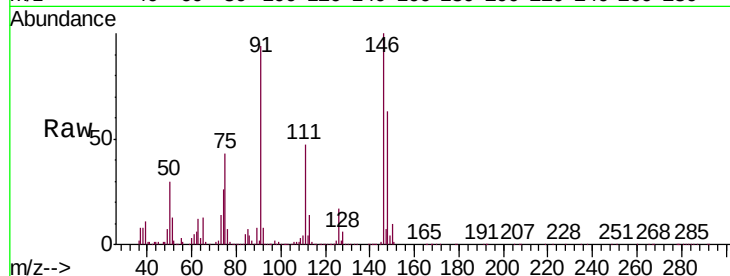
Tgt Ion:146 Resp: 2638069

Ion Ratio Lower Upper

146 100

111 47.6 23.5 70.6

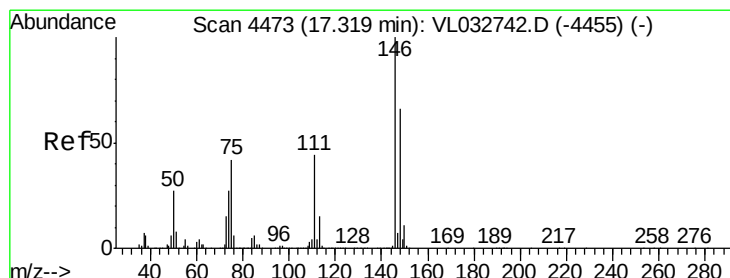
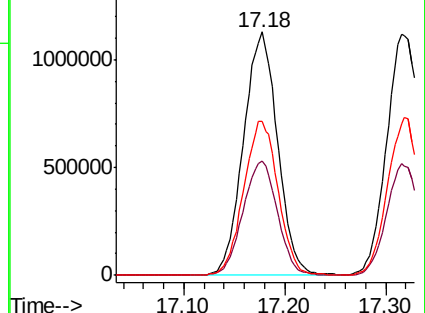
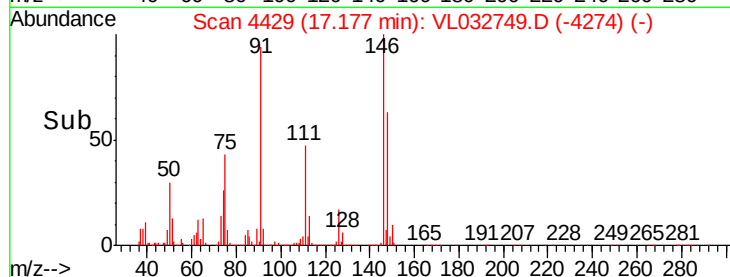
148 64.2 31.8 95.3



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: 7.978 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

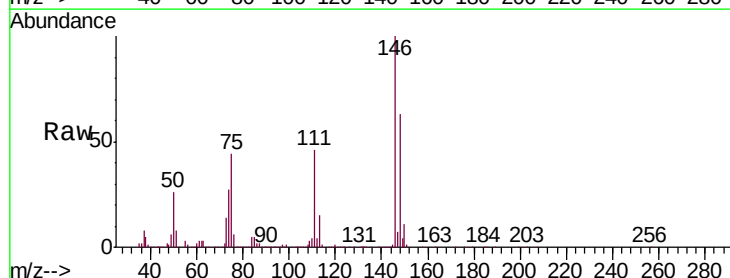
Tgt Ion:146 Resp: 2617784

Ion Ratio Lower Upper

146 100

111 45.9 22.5 67.5

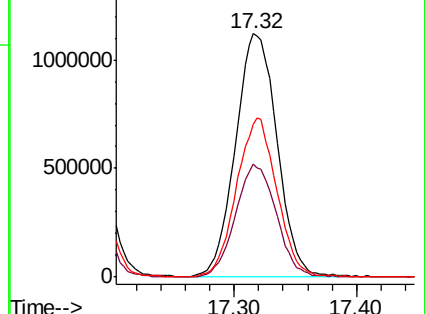
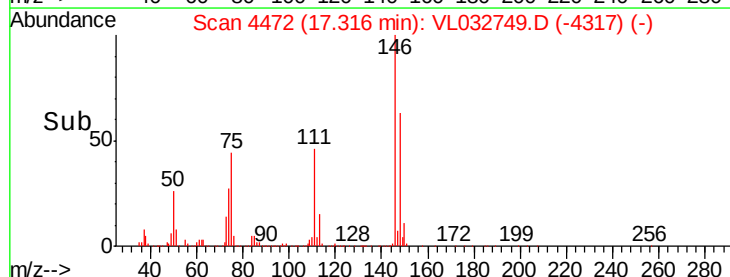
148 63.8 32.5 97.5

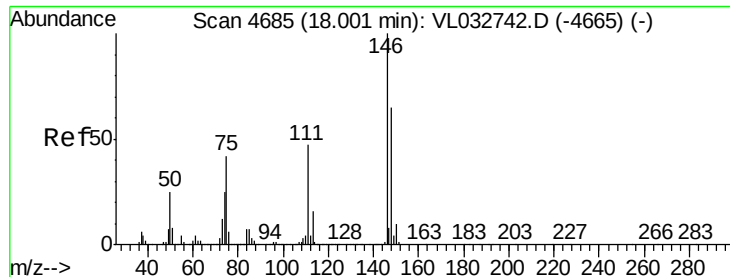


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

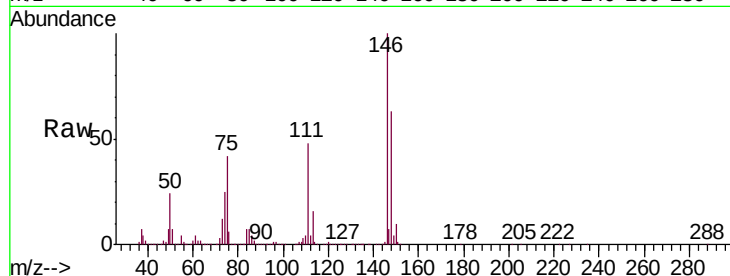




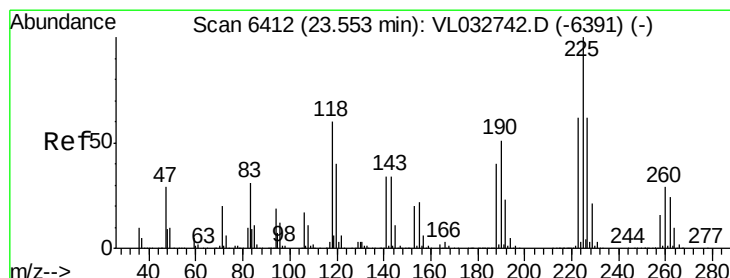
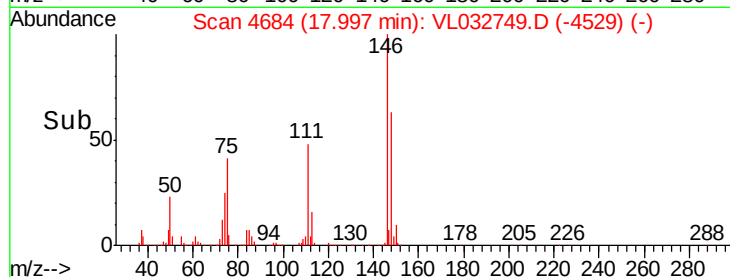
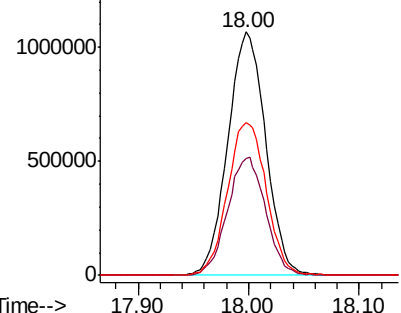
#77
 1,2-Dichlorobenzene
 Concen: 7.809 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

Tgt Ion:146 Resp: 2537752
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.2
 148 64.4 32.2 96.6

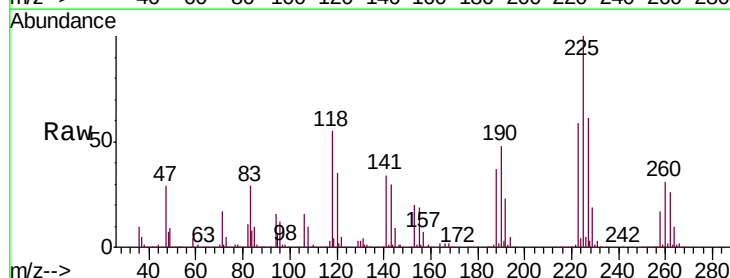


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

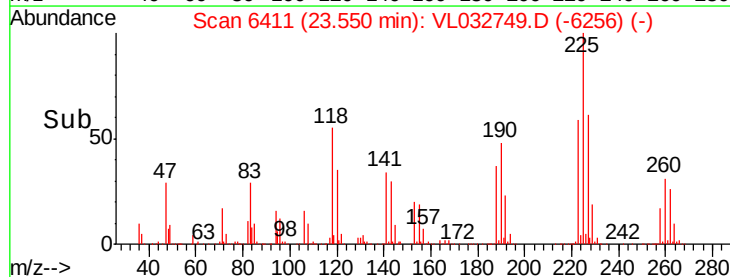
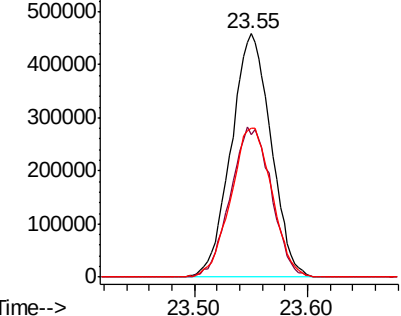


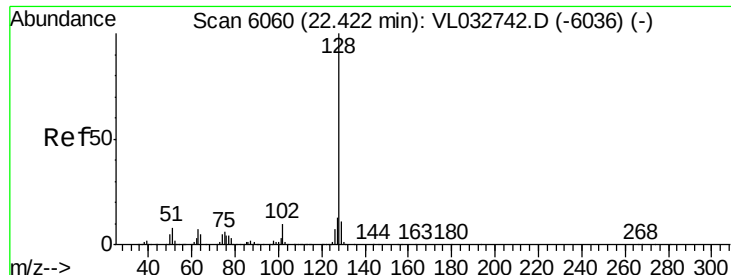
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.386 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Tgt Ion:225 Resp: 1120085
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.3 75.5
 227 63.2 50.2 75.4



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: 9.124 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111418

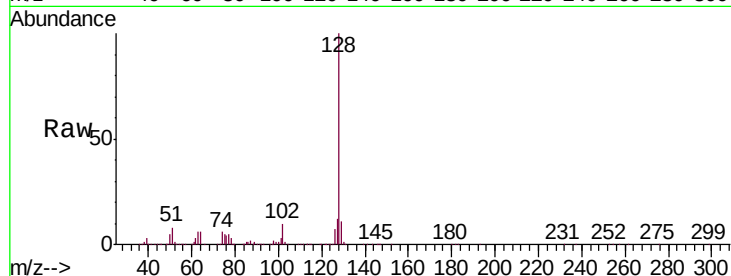
Tgt Ion:128 Resp: 3670774

Ion Ratio Lower Upper

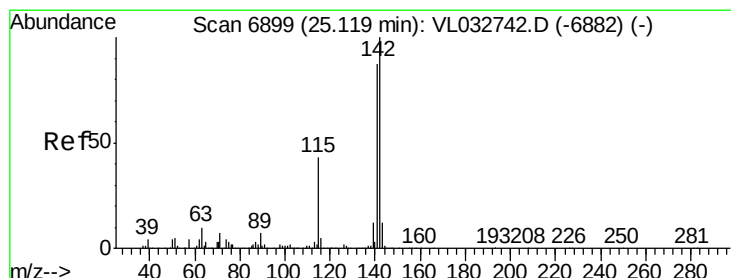
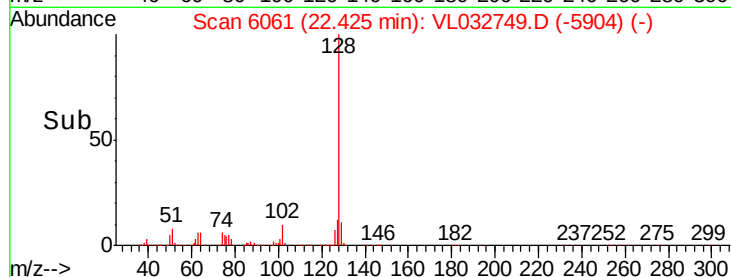
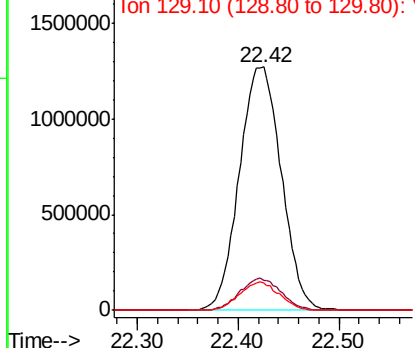
128 100

127 12.3 10.1 15.1

129 11.2 8.9 13.3



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: 11.304 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL032749.D

Acq: 14 Nov 2018 6:54

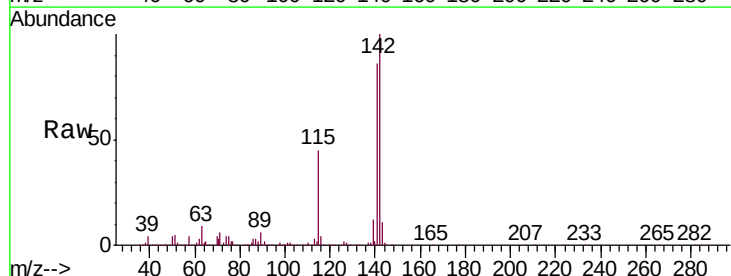
Tgt Ion:142 Resp: 1138962

Ion Ratio Lower Upper

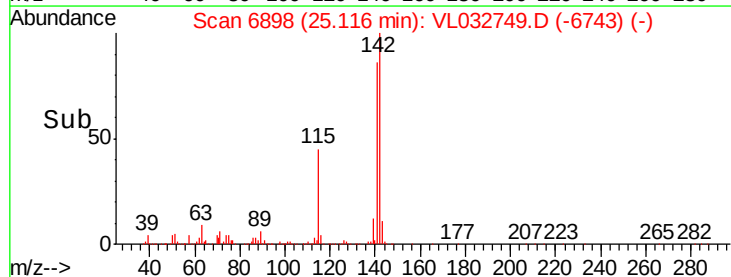
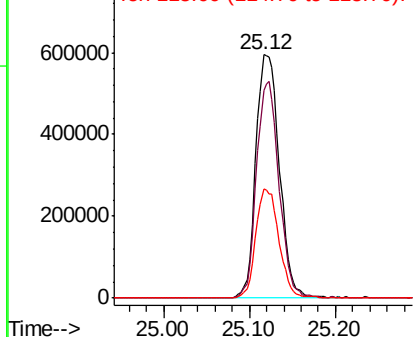
142 100

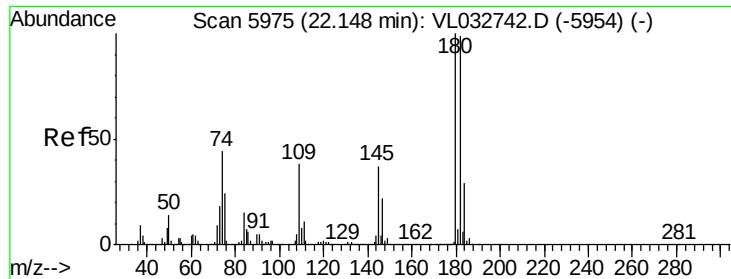
141 85.4 68.7 103.1

115 44.2 35.5 53.3



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

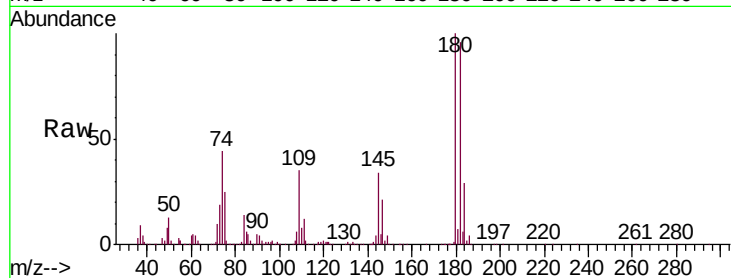




#81
 1,2,4-Trichlorobenzene
 Concen: 8.825 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.00 min
 Lab File: VL032749.D
 Acq: 14 Nov 2018 6:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111418

Tgt Ion:180 Resp: 1782982
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.3 115.9
 184 30.3 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

