

Data File : VL033243.D
Acq On : 6 Mar 2019 3:55
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 04:29:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019
QLast Update : Wed Mar 06 02:40:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1083497	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2426194	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2343254	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 1821618 10.10 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	102040	0.532 ppbv	96
3) Chlorodifluoromethane	3.02	51	60671	0.475 ppbv	96
4) Chloromethane	3.17	50	31330	0.468 ppbv	92
5) Vinyl Chloride	3.30	62	29572	0.417 ppbv #	87
6) Bromomethane	3.52	94	22559	0.582 ppbv #	72
7) Chloroethane	3.60	64	8020	0.348 ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	77677	0.487 ppbv	99
9) Propene	3.04	41	25752	0.420 ppbv	97
10) Heptane	8.25	43	67459	0.364 ppbv	98
11) Trichlorofluoromethane	4.01	101	98028	0.592 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	60545	0.530 ppbv	98
13) Ethanol	3.66	45	15791	0.760 ppbv	92
14) Bromoethene	3.79	108	26604	0.543 ppbv	97
15) Acetone	3.91	43	87921	0.729 ppbv	97
16) 1,3-Butadiene	3.37	39	31998	0.561 ppbv	89
17) tert-Butyl alcohol	4.35	59	1051	0.045 ppbv #	74
18) 1,1-Dichloroethene	4.35	96	27246	0.538 ppbv	94
19) Isopropyl Alcohol	4.04	45	51566	0.616 ppbv #	97
20) Methylene Chloride	4.41	84	31769	0.665 ppbv #	77
21) Allyl Chloride	4.48	41	39511	0.502 ppbv	96
22) trans-1,2-Dichloroethene	4.97	96	27831	0.550 ppbv	96
23) Vinyl Acetate	5.16	43	101126	0.478 ppbv #	96
24) 1,1-Dichloroethane	5.09	63	75338	0.501 ppbv	96
25) Ethyl Acetate	5.78	43	127227	0.462 ppbv	99
26) Hexane	5.78	57	35522	0.276 ppbv #	13
27) Carbon Disulfide	4.62	76	51292	0.443 ppbv #	87
28) Methyl tert-Butyl Ether	5.13	73	82245	0.467 ppbv	99
29) Chloroform	5.84	83	95646	0.484 ppbv	93
30) Cyclohexane	7.25	84	40206	0.349 ppbv	91
31) cis-1,2-Dichloroethene	5.64	61	56253	0.437 ppbv	91
32) 1,1,1-Trichloroethane	6.62	97	49624	0.228 ppbv #	37
34) 2-Butanone	5.34	43	44702	0.280 ppbv #	55
35) Carbon Tetrachloride	7.13	117	86136	0.460 ppbv	95
36) Benzene	7.00	78	113106	0.451 ppbv	97
37) 1,2-Dichloroethane	6.41	62	72703	0.511 ppbv	99
38) Trichloroethene	7.96	130	42871	0.405 ppbv #	84
39) 1,2-Dichloropropane	7.74	63	41620	0.428 ppbv #	78
40) 1,4-Dioxane	7.98	88	3894	0.111 ppbv #	1
41) Tetrahydrofuran	6.17	42	41822	0.427 ppbv	98
42) Bromodichloromethane	7.91	83	93613	0.467 ppbv	93
43) Methyl Methacrylate	8.15	69	40272	0.406 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	113244	0.269	ppbv #	52
45) t-1,3-Dichloropropene	9.42	75	40849	0.370	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	55405	0.394	ppbv #	84
47) 1,1,2-Trichloroethane	9.61	97	45188	0.446	ppbv	94
48) Dibromochloromethane	10.45	129	68147	0.426	ppbv	98
49) Bromoform	13.20	173	35650	0.262	ppbv #	64
51) 2-Hexanone	10.30	43	75637	0.386	ppbv #	96
52) Tetrachloroethene	11.37	164	21625	0.228	ppbv	92
53) Toluene	9.95	91	116317	0.398	ppbv	99
54) 1,2-Dibromoethane	10.75	107	32121	0.203	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.27	131	23193	0.215	ppbv #	1
57) Chlorobenzene	12.30	112	98509	0.482	ppbv	93
58) Ethyl Benzene	12.87	91	153697	0.405	ppbv	100
59) m/p-Xylene	13.13	91	137225	0.434	ppbv #	32
60) o-Xylene	13.85	91	131573	0.427	ppbv	97
61) Styrene	13.69	104	82114	0.357	ppbv	98
62) Isopropylbenzene	14.83	105	189279	0.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.84	83	44108	0.184	ppbv #	13
64) n-propylbenzene	15.72	120	18812	0.173	ppbv #	1
65) tert-Butylbenzene	16.91	119	157431	0.420	ppbv	100
66) Benzyl Chloride	17.16	91	40560	0.309	ppbv #	93
67) sec-Butylbenzene	17.46	105	227985	0.420	ppbv	98
69) p-Isopropyltoluene	17.82	119	177851	0.394	ppbv	98
70) n-Butylbenzene	18.72	91	191128	0.391	ppbv	99
71) 2-Chlorotoluene	15.61	91	139083	0.412	ppbv	98
72) 4-Ethyltoluene	16.00	105	136034	0.388	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	132066	0.394	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	147452	0.423	ppbv #	90
75) 1,3-Dichlorobenzene	17.16	146	44960	0.224	ppbv #	18
76) 1,4-Dichlorobenzene	17.30	146	86055	0.434	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	39598	0.200	ppbv #	16
78) Hexachloro-1,3-Butadiene	23.54	225	34903	0.332	ppbv #	18
79) Naphthalene	22.41	128	61705	0.156	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	19193	0.097	ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	31977	0.161	ppbv #	12

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

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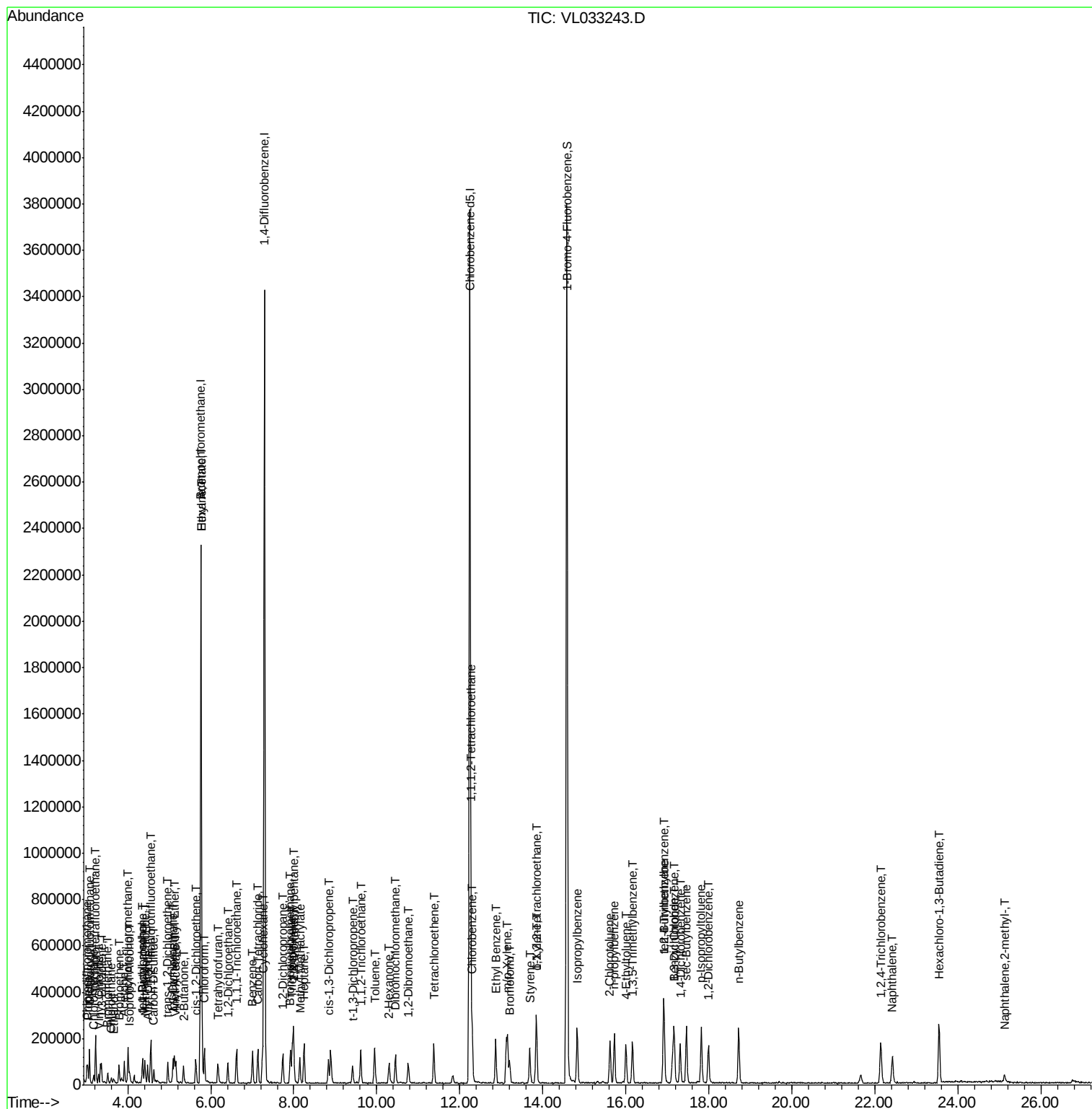
Quant Time: Mar 06 04:29:42 2019

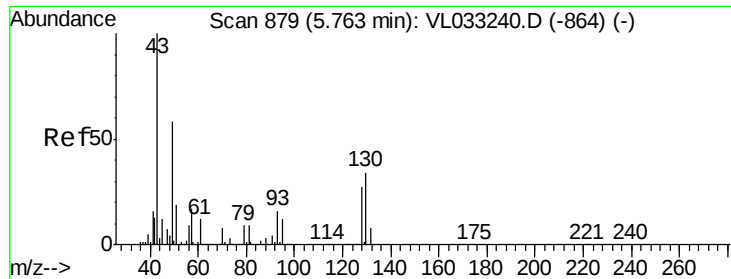
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL030619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

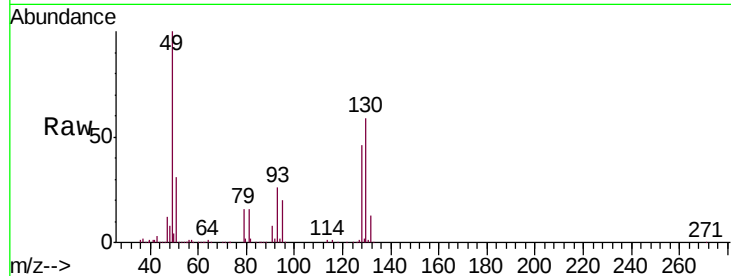
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion: 49 Resp: 1083497

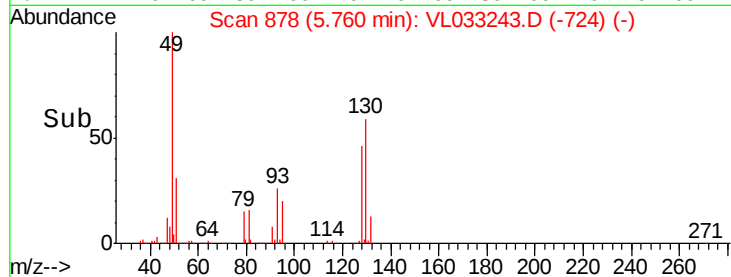
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.9	68.8
130	58.2	29.3	88.0



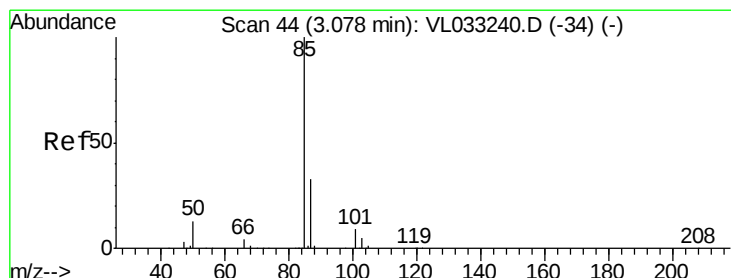
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.532 ppbv

RT: 3.08 min Scan# 44

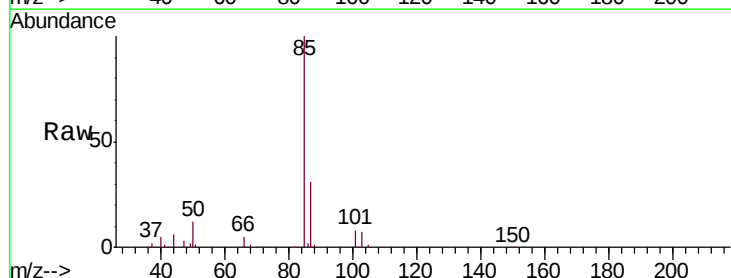
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

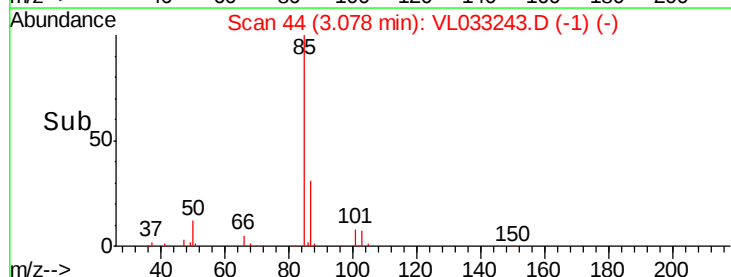
Tgt Ion: 85 Resp: 102040

Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.7	40.1

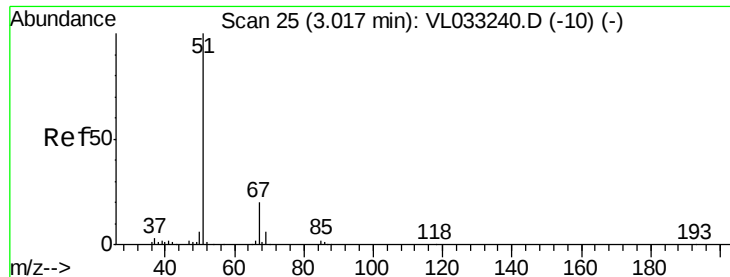


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.475 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033243.D

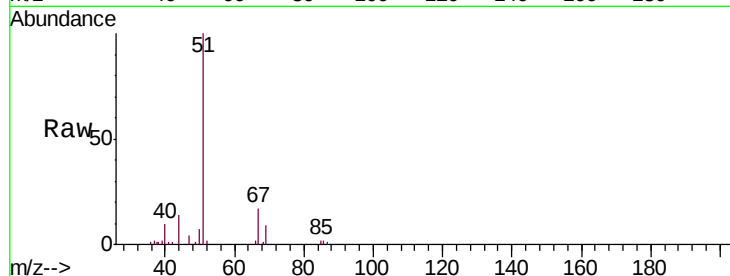
Acq: 6 Mar 2019 3:55

Tgt Ion: 51 Resp: 60671

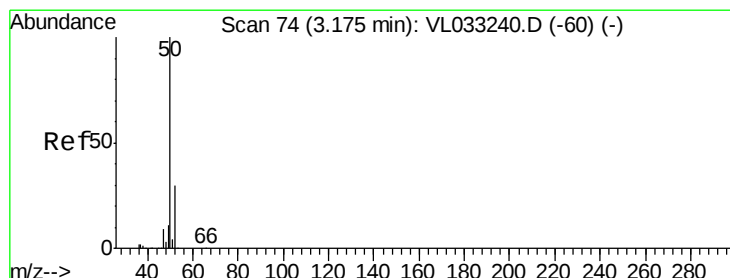
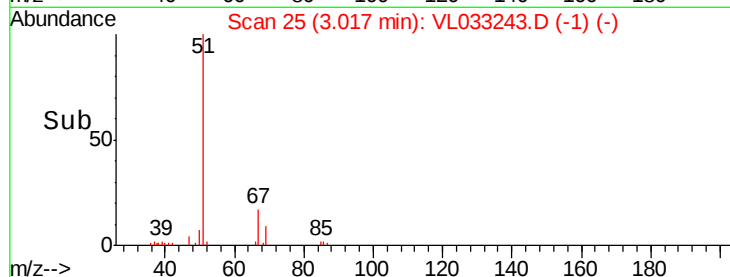
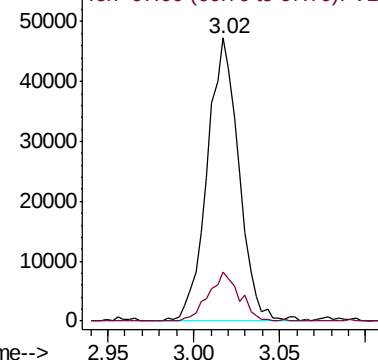
Ion Ratio Lower Upper

51 100

67 17.0 15.0 22.4



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.468 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033243.D

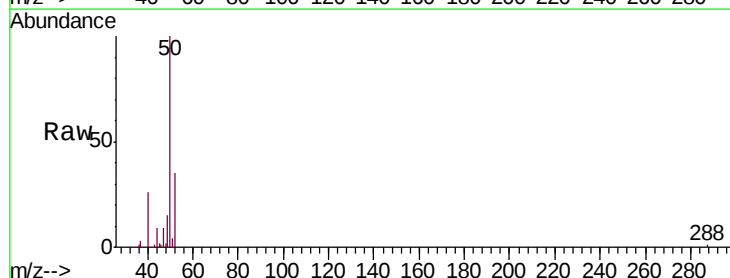
Acq: 6 Mar 2019 3:55

Tgt Ion: 50 Resp: 31330

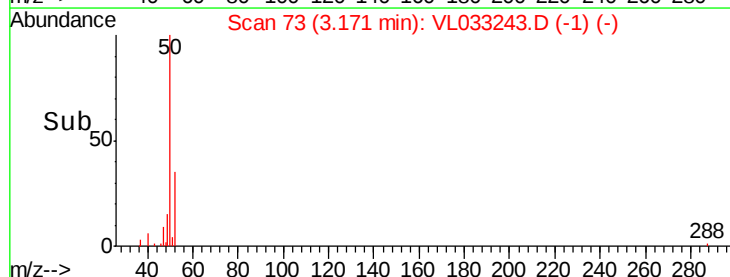
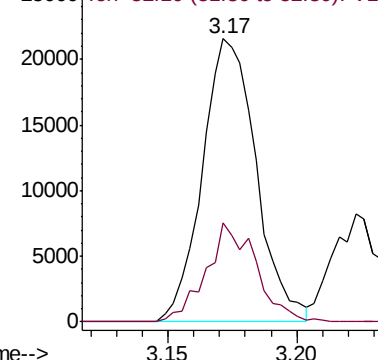
Ion Ratio Lower Upper

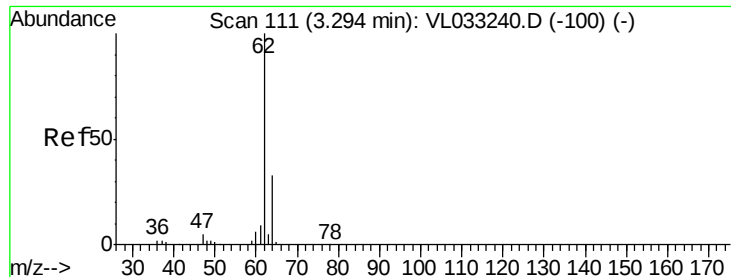
50 100

52 34.9 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.417 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL033243.D

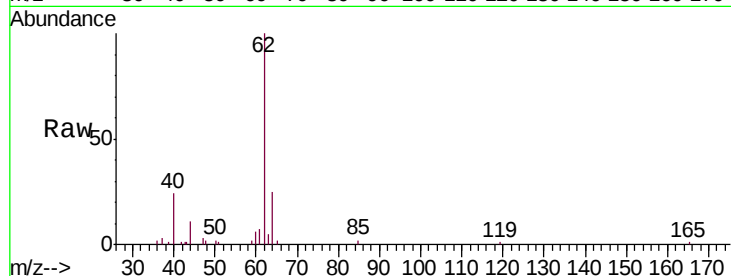
Acq: 6 Mar 2019 3:55

Tgt Ion: 62 Resp: 29572

Ion Ratio Lower Upper

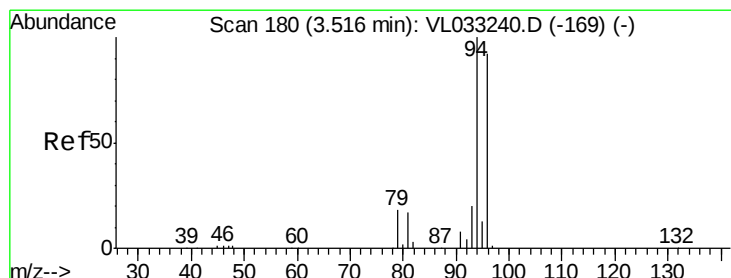
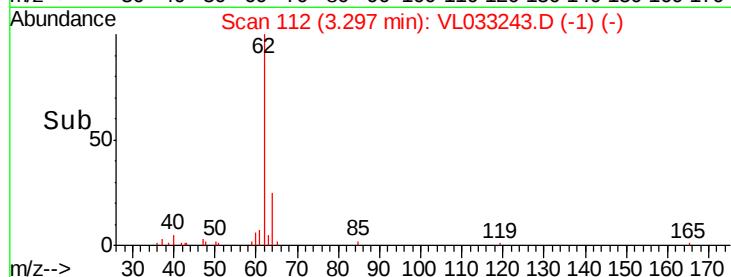
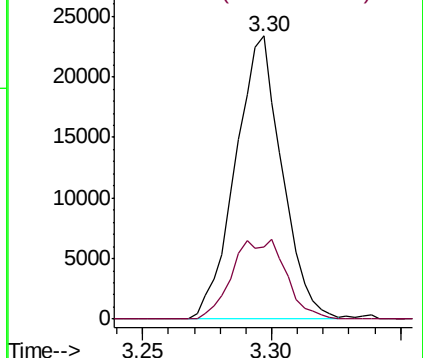
62 100

64 25.4 26.2 39.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.582 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033243.D

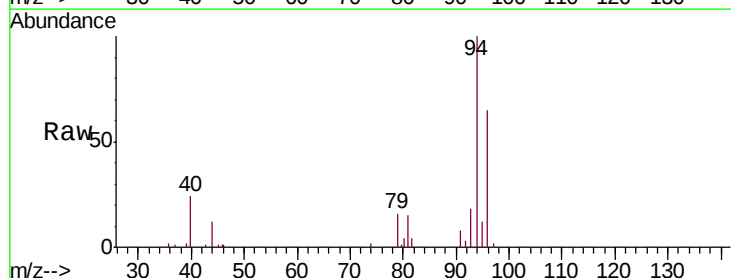
Acq: 6 Mar 2019 3:55

Tgt Ion: 94 Resp: 22559

Ion Ratio Lower Upper

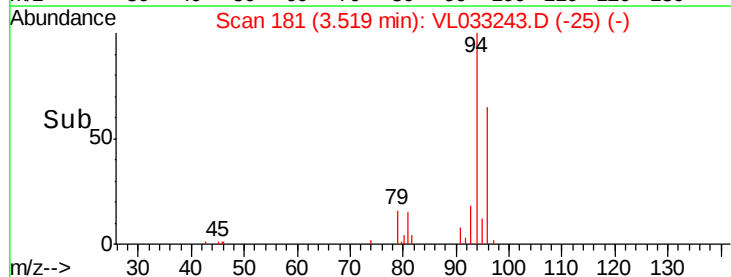
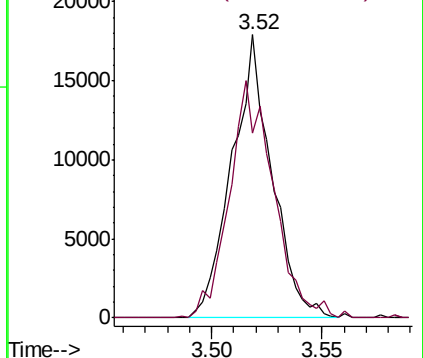
94 100

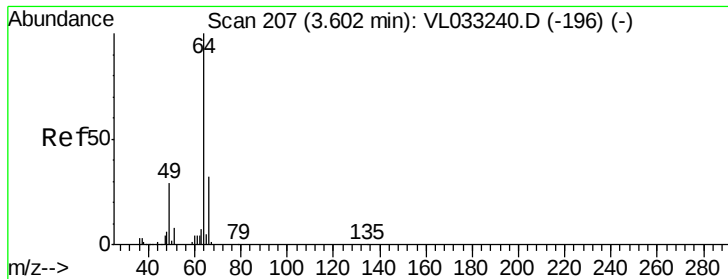
96 65.4 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.348 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033243.D

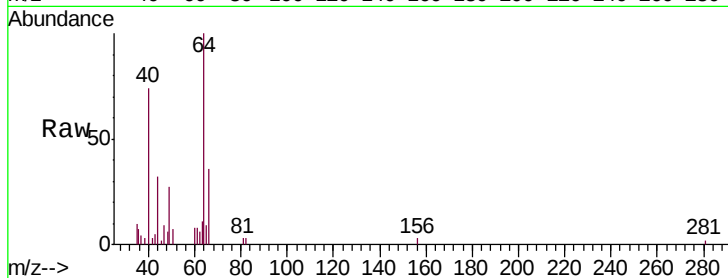
Acq: 6 Mar 2019 3:55

Tgt Ion: 64 Resp: 8020

Ion Ratio Lower Upper

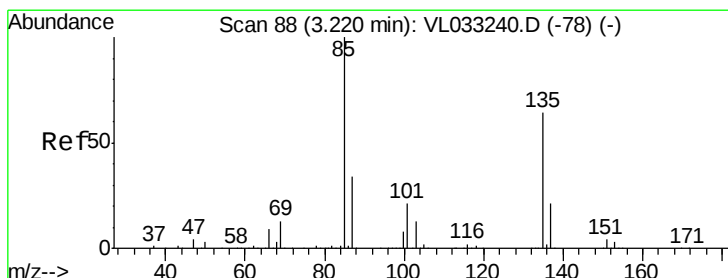
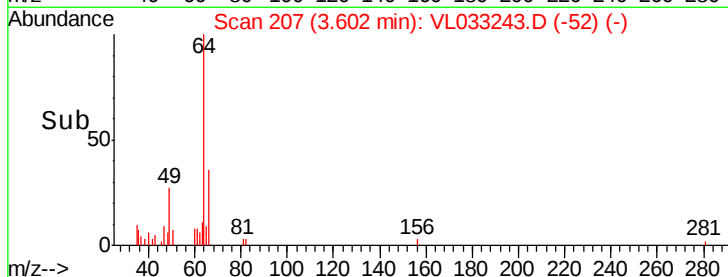
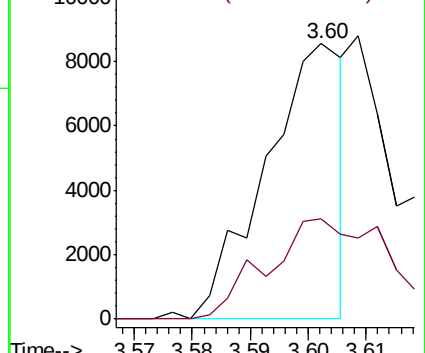
64 100

66 36.2 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.487 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033243.D

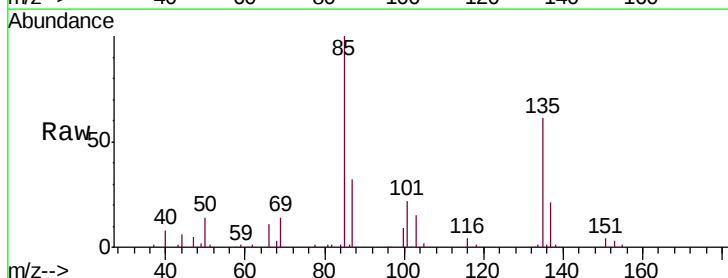
Acq: 6 Mar 2019 3:55

Tgt Ion: 85 Resp: 77677

Ion Ratio Lower Upper

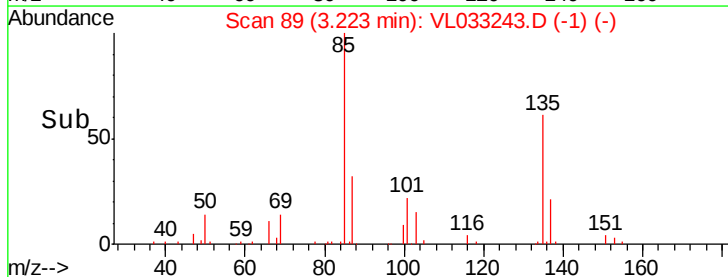
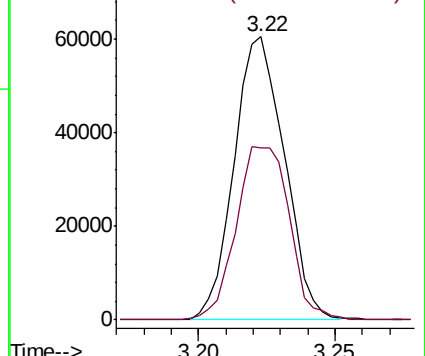
85 100

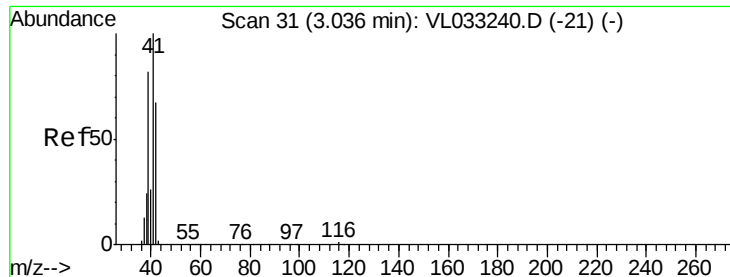
135 64.6 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.420 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033243.D

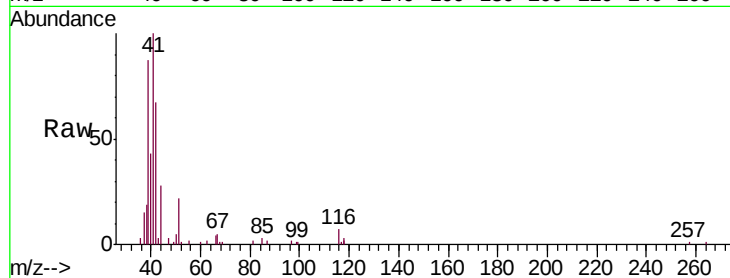
Acq: 6 Mar 2019 3:55

Tgt Ion: 41 Resp: 25752

Ion Ratio Lower Upper

41 100

42 71.4 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

20000

15000

10000

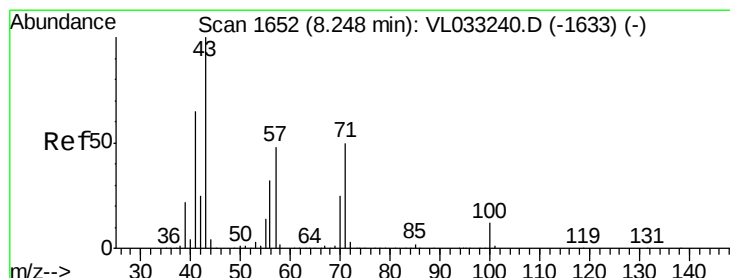
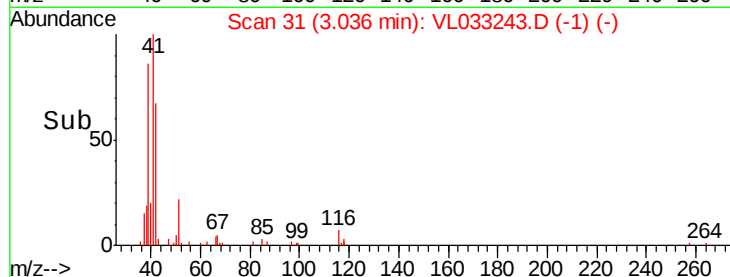
5000

0

Time-->

3.00

3.05



#10

Heptane

Concen: 0.364 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033243.D

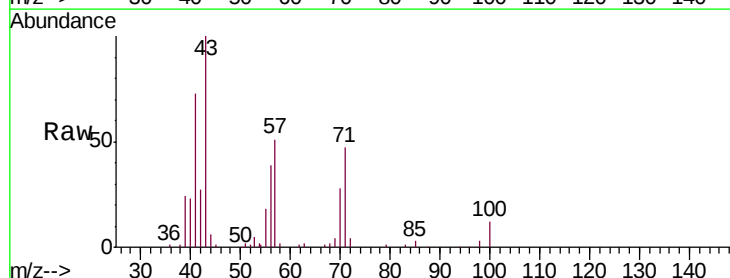
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 67459

Ion Ratio Lower Upper

43 100

57 51.0 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.25

40000

30000

20000

10000

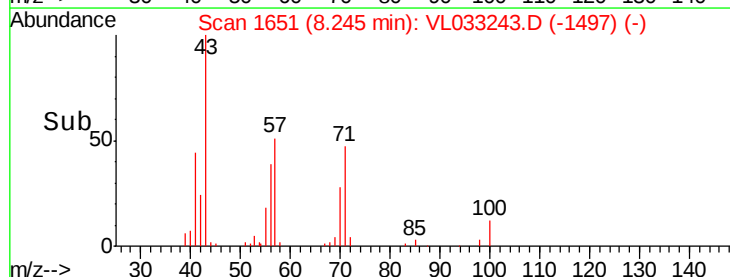
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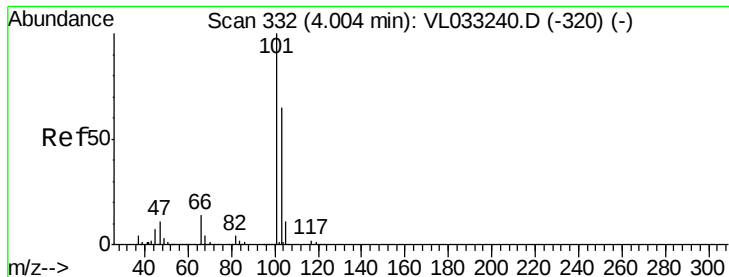
Time-->

8.20

8.25

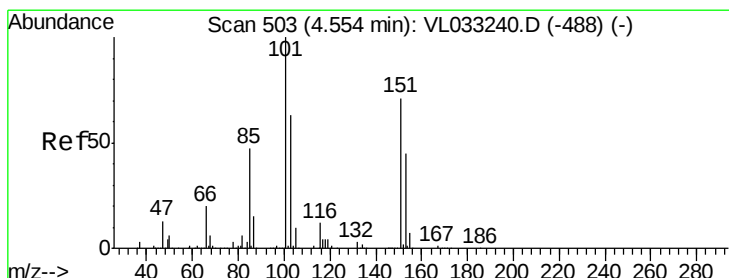
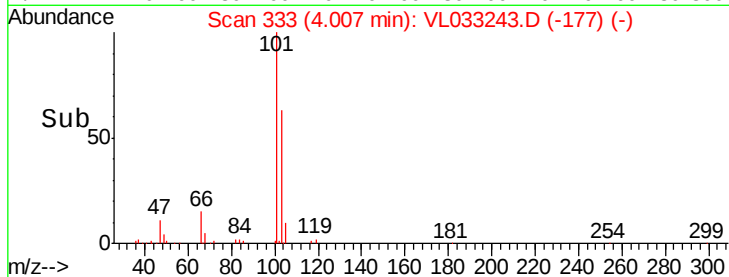
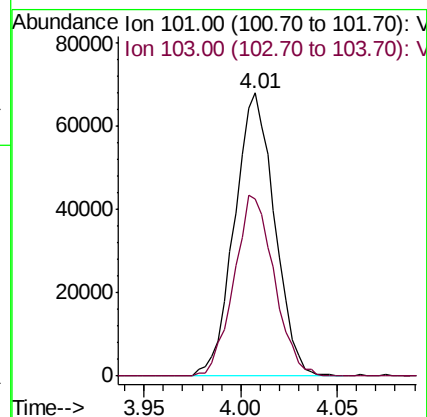
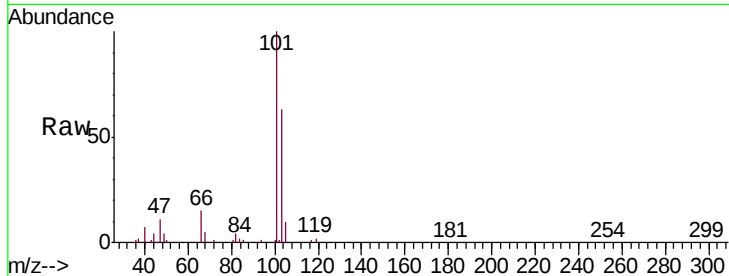
8.30





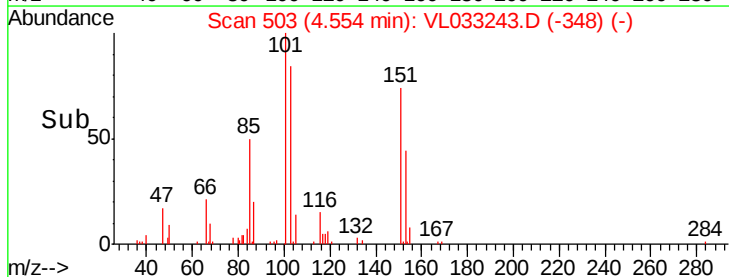
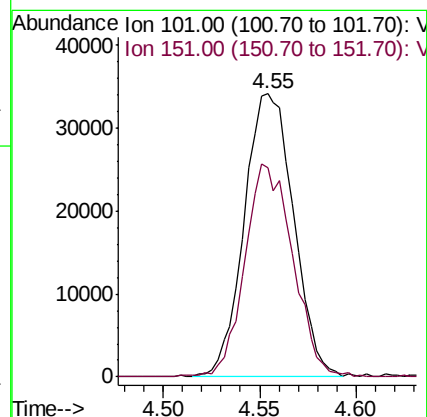
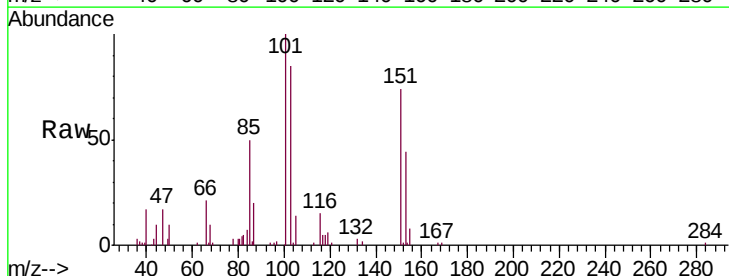
#11
 Trichlorofluoromethane
 Concen: 0.592 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

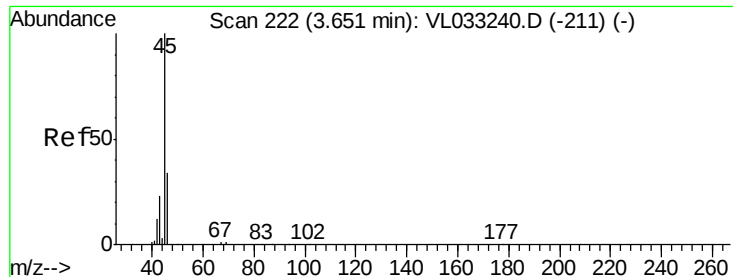
Tgt Ion:101 Resp: 98028
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.530 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion:101 Resp: 60545
 Ion Ratio Lower Upper
 101 100
 151 73.2 57.0 85.6





#13

Ethanol

Concen: 0.760 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033243.D

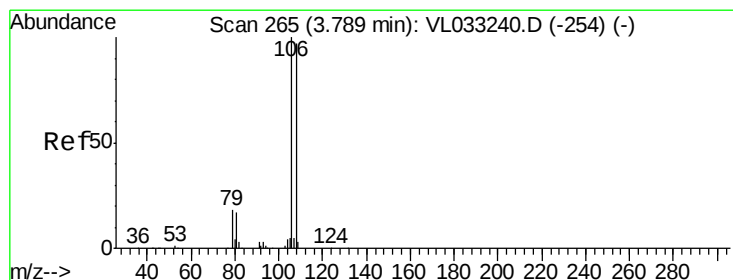
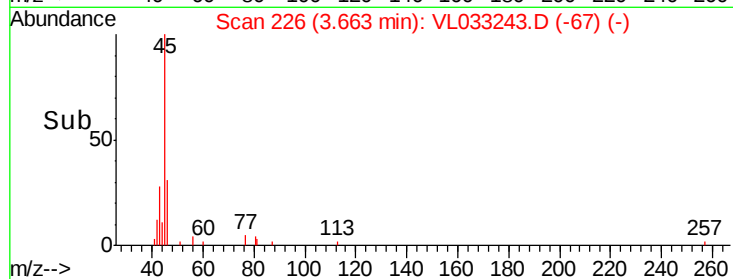
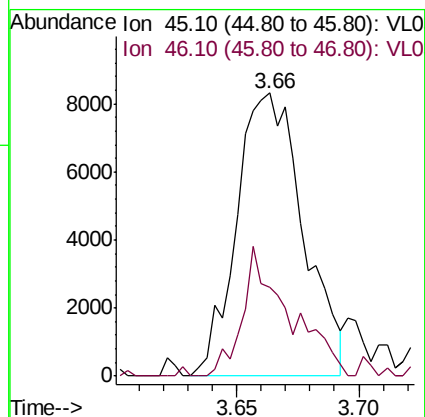
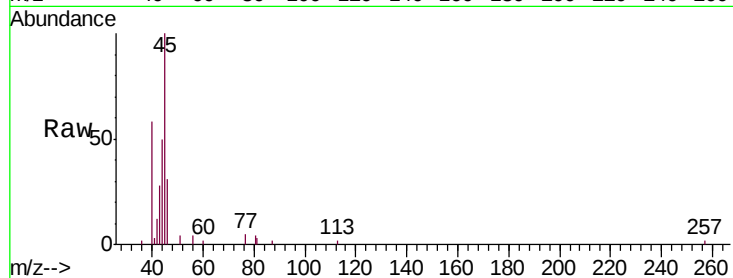
Acq: 6 Mar 2019 3:55

Tgt Ion: 45 Resp: 15791

Ion Ratio Lower Upper

45 100

46 33.4 15.3 61.3



#14

Bromoethene

Concen: 0.543 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

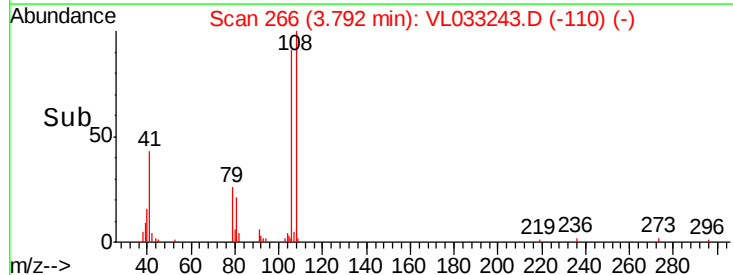
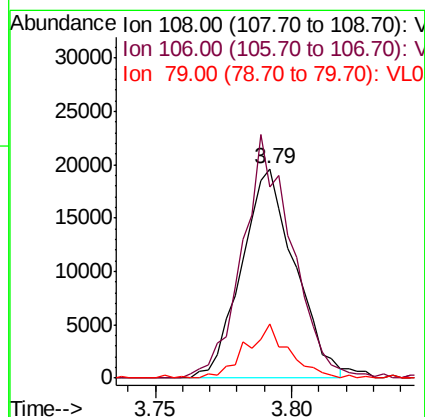
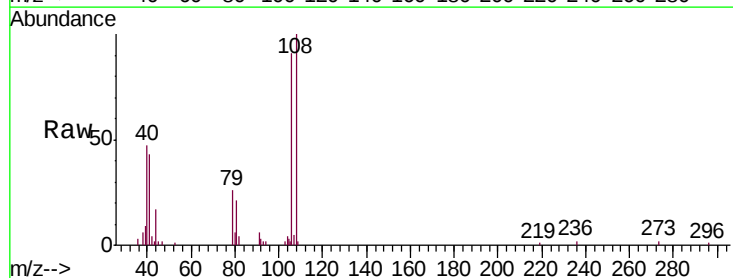
Tgt Ion: 108 Resp: 26604

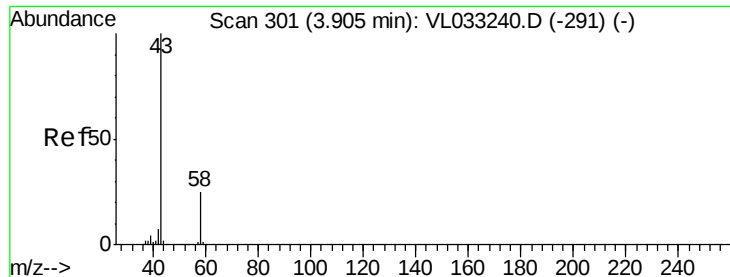
Ion Ratio Lower Upper

108 100

106 109.3 85.5 128.3

79 21.4 15.3 22.9





#15

Acetone

Concen: 0.729 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL033243.D

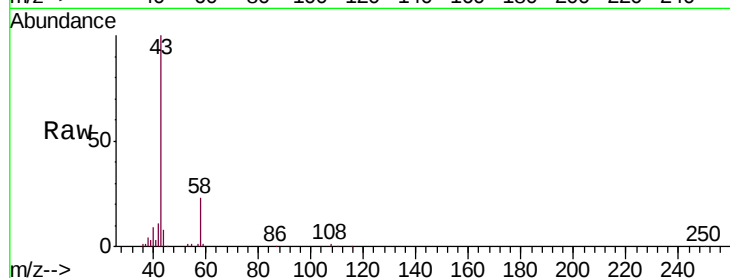
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 87921

Ion Ratio Lower Upper

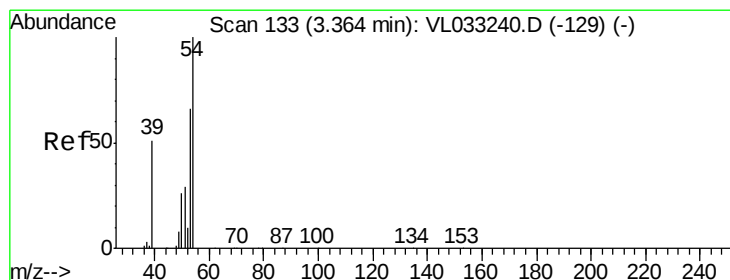
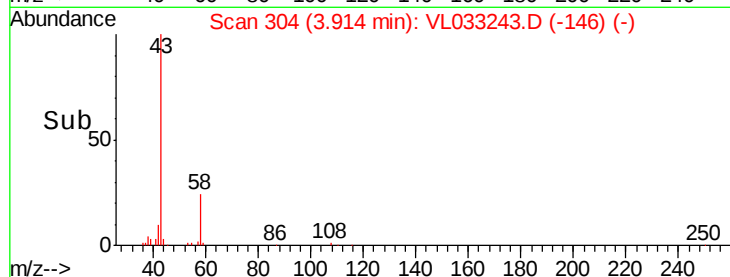
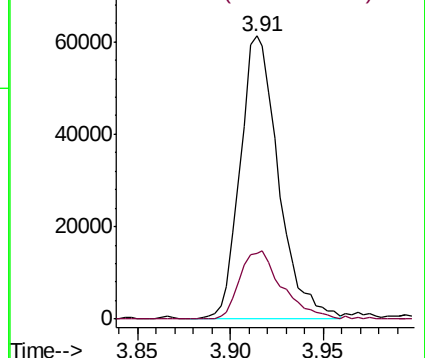
43 100

58 26.9 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.561 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033243.D

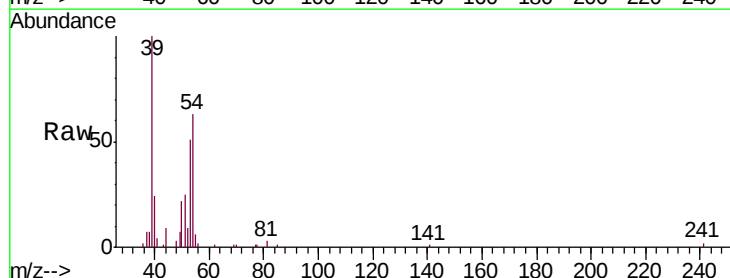
Acq: 6 Mar 2019 3:55

Tgt Ion: 39 Resp: 31998

Ion Ratio Lower Upper

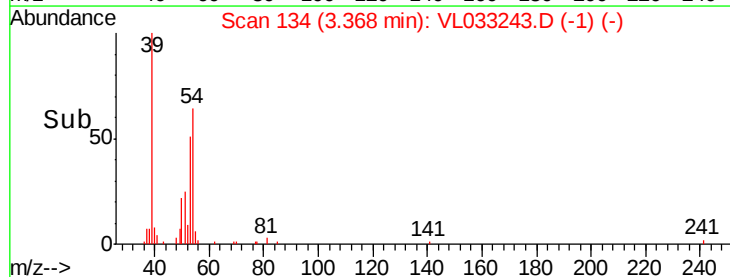
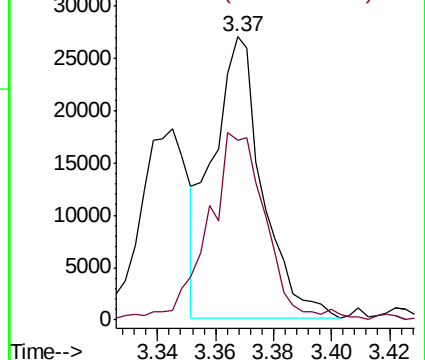
39 100

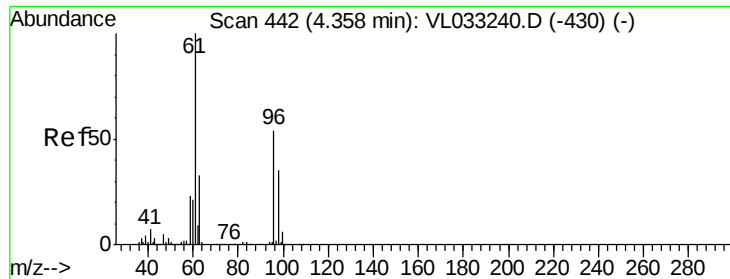
54 77.2 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

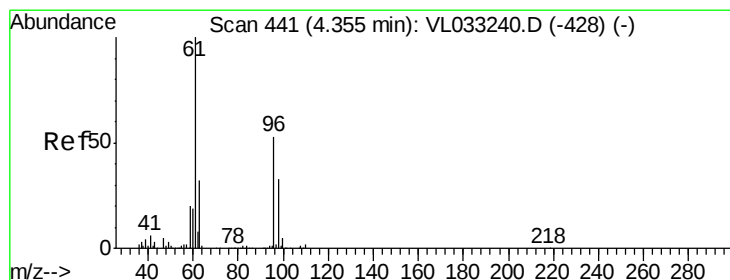
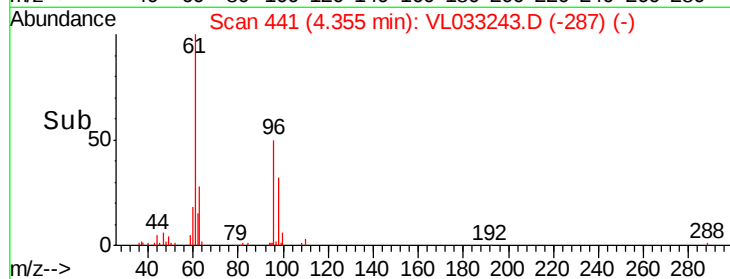
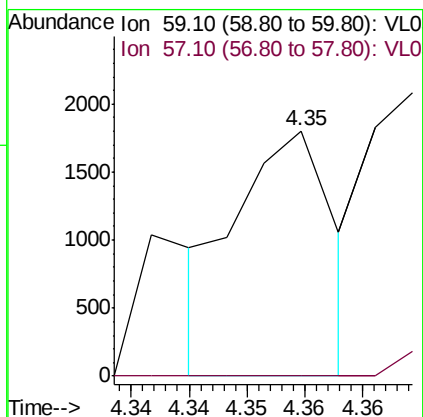
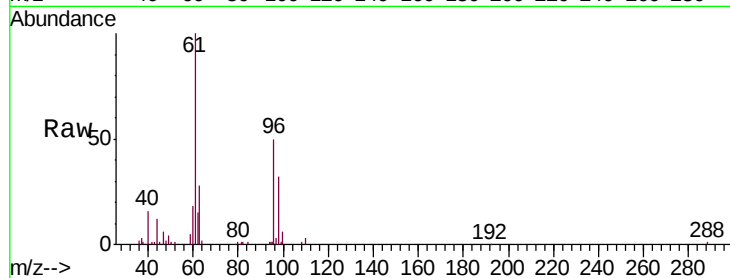
Ion 54.10 (53.80 to 54.80): VL0





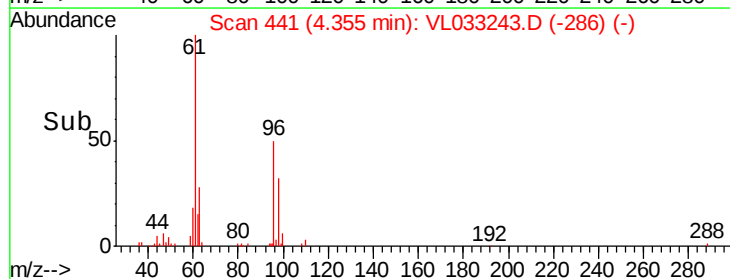
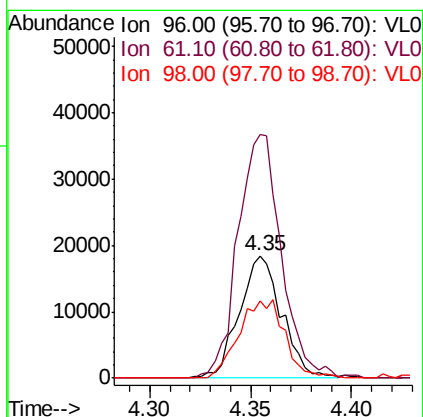
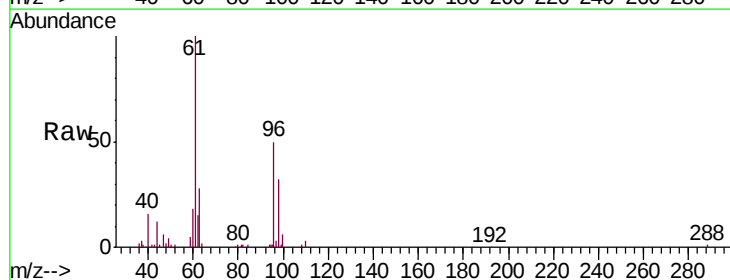
#17
 tert-Butyl alcohol
 Concen: 0.045 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

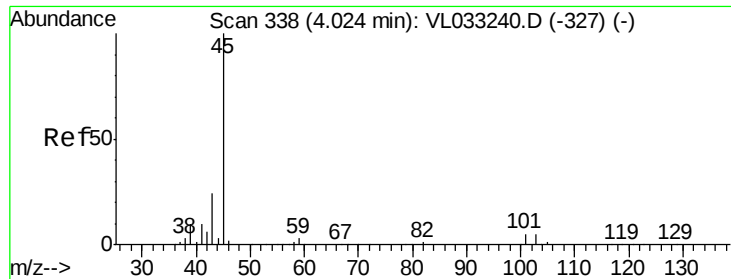
Tgt Ion: 59 Resp: 1051
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#



#18
 1,1-Dichloroethene
 Concen: 0.538 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion: 96 Resp: 27246
 Ion Ratio Lower Upper
 96 100
 61 198.9 150.2 225.2
 98 62.7 49.2 73.8





#19

Isopropyl Alcohol

Concen: 0.616 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033243.D

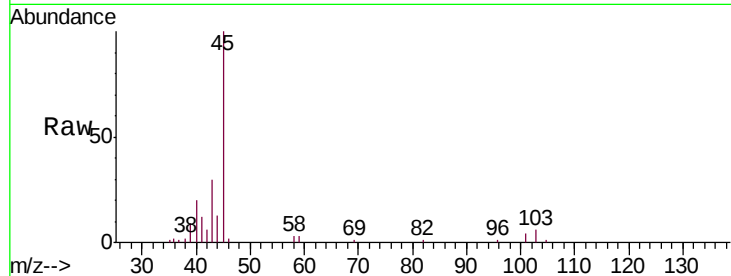
Acq: 6 Mar 2019 3:55

Tgt Ion: 45 Resp: 51566

Ion Ratio Lower Upper

45 100

58 2.9 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

30000

25000

20000

15000

10000

5000

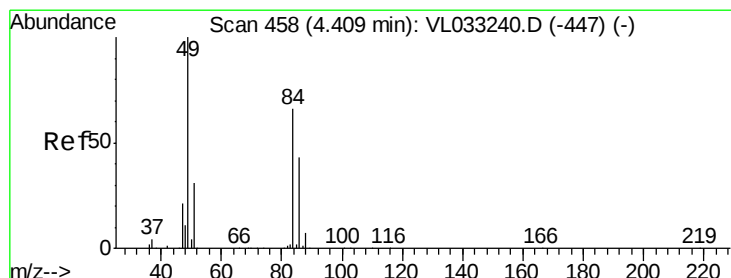
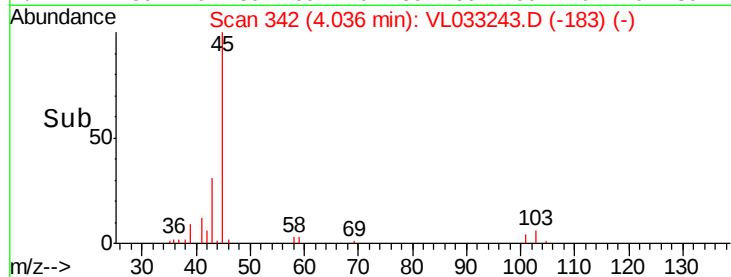
0

Time-->

4.00

4.05

4.10



#20

Methylene Chloride

Concen: 0.665 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion: 84 Resp: 31769

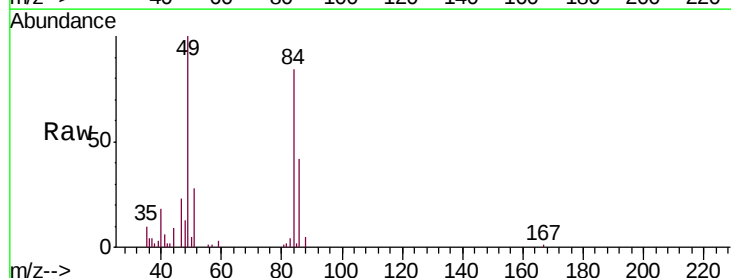
Ion Ratio Lower Upper

84 100

49 117.9 120.4 180.6#

51 33.7 36.7 55.1#

86 50.1 51.8 77.8#



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

40000

30000

20000

10000

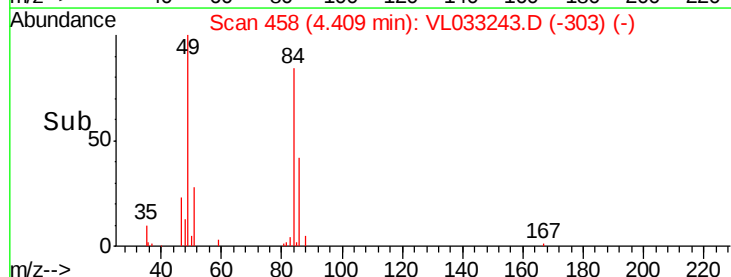
0

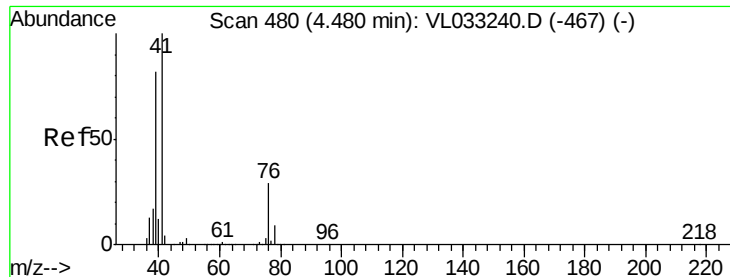
Time-->

4.35

4.40

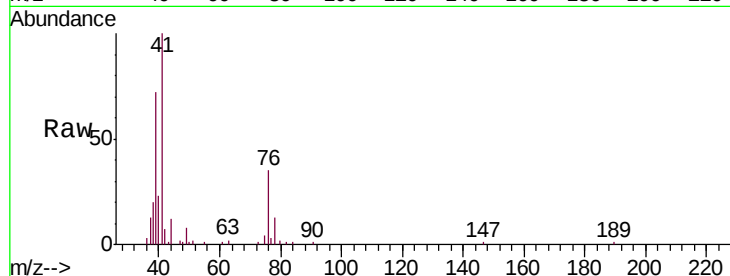
4.45



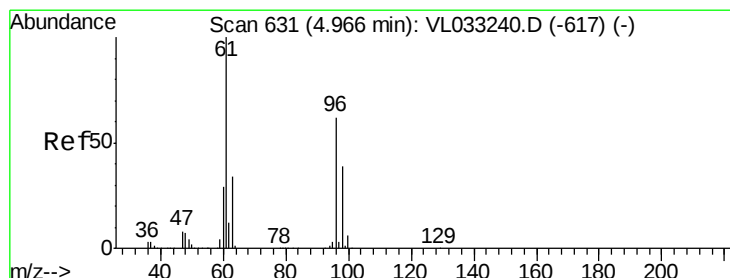
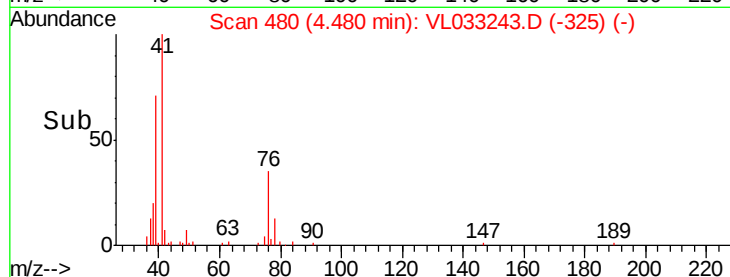
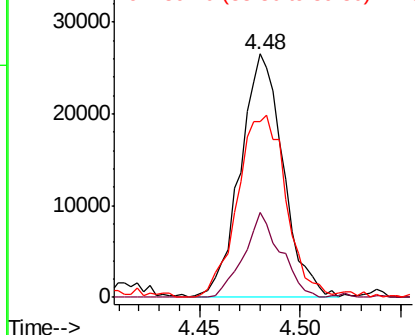


#21
 Allyl Chloride
 Concen: 0.502 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.6	36.8
39	86.1	65.2	97.8

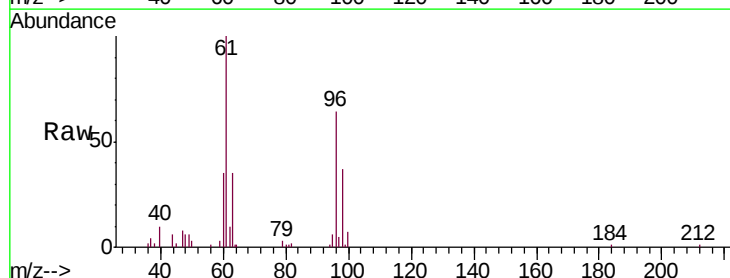


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

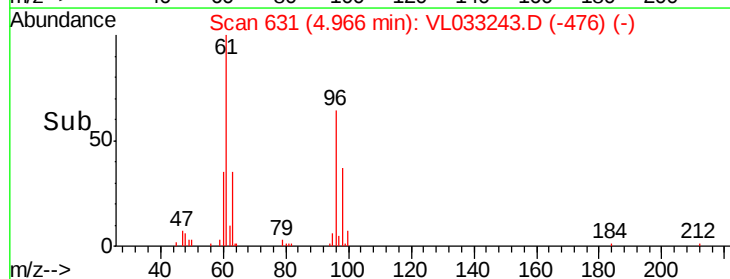
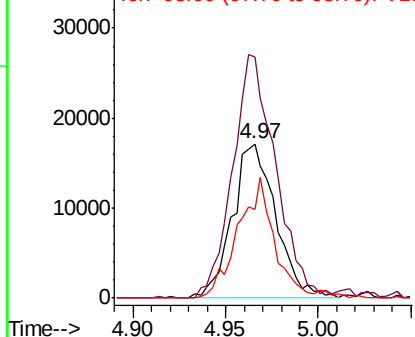


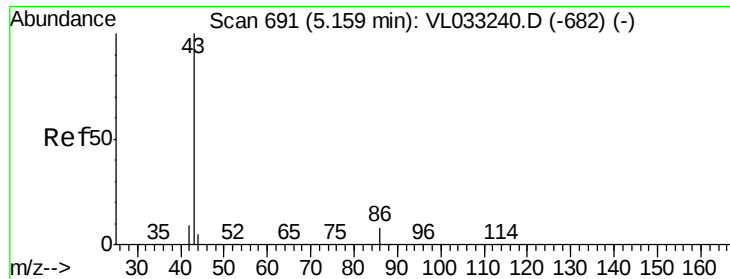
#22
 trans-1,2-Dichloroethene
 Concen: 0.550 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	128.3	192.5
98	57.6	50.6	75.8



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





#23

Vinyl Acetate

Concen: 0.478 ppbv

RT: 5.16 min Scan# 690

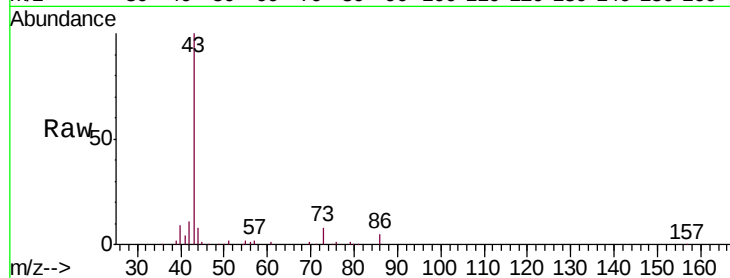
Delta R.T. -0.00 min

Lab File: VL033243.D

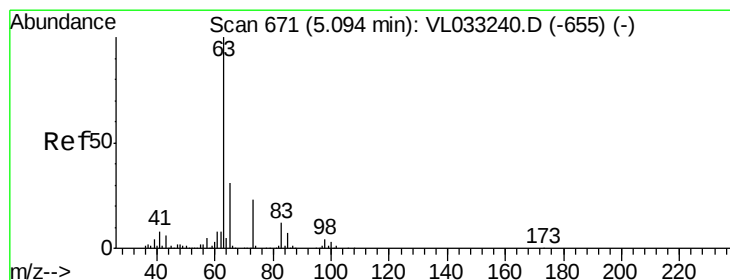
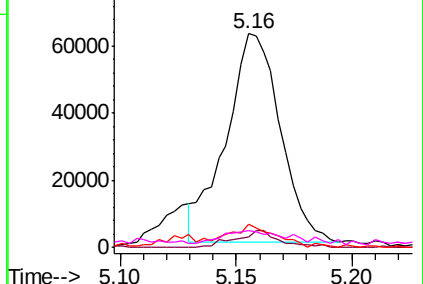
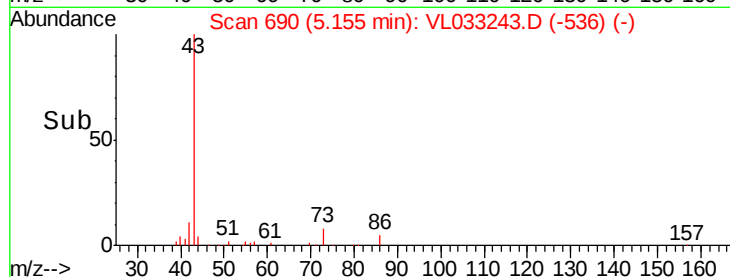
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 101126

Ion	Ratio	Lower	Upper
43	100		
86	5.1	5.5	8.3#
42	11.0	7.7	11.5
44	5.9	4.1	6.1



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



#24

1,1-Dichloroethane

Concen: 0.501 ppbv

RT: 5.09 min Scan# 670

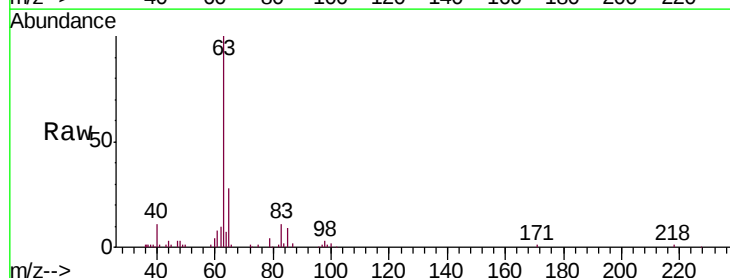
Delta R.T. -0.00 min

Lab File: VL033243.D

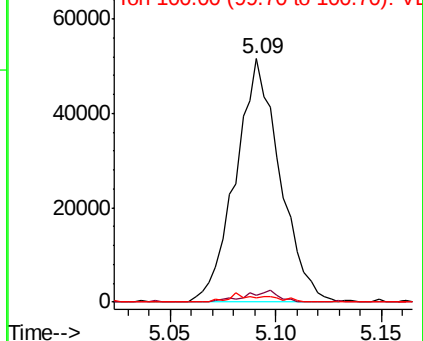
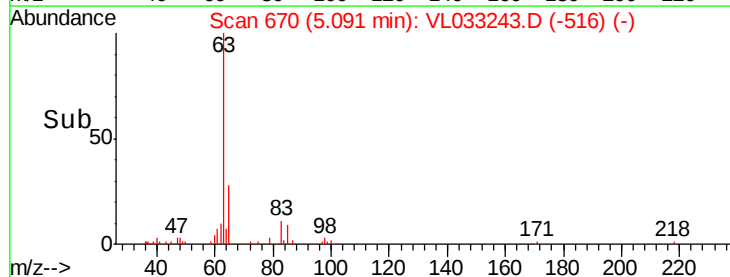
Acq: 6 Mar 2019 3:55

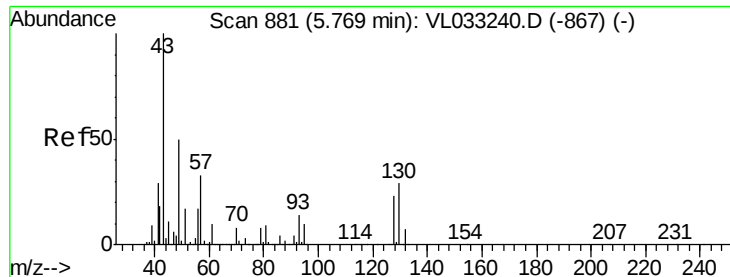
Tgt Ion: 63 Resp: 75338

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.1	6.3
100	1.5	1.3	3.8



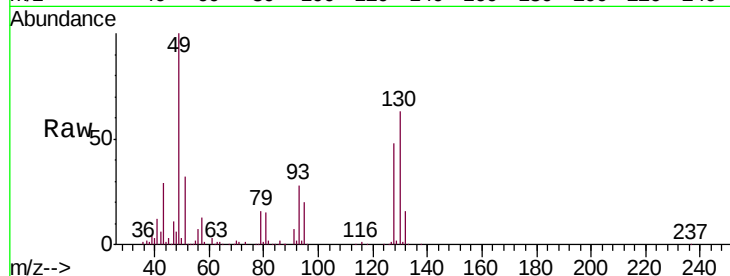
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



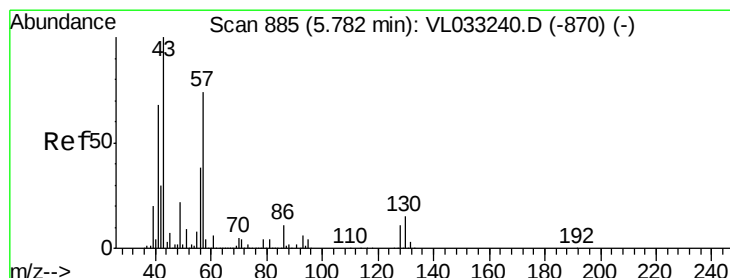
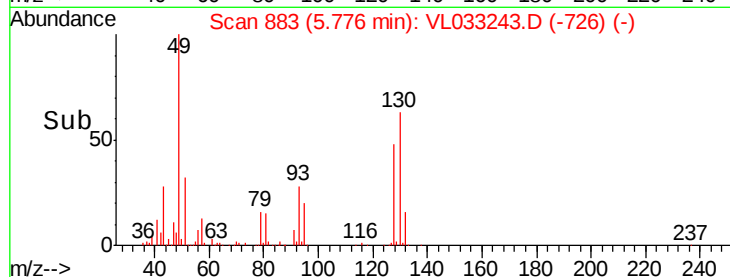
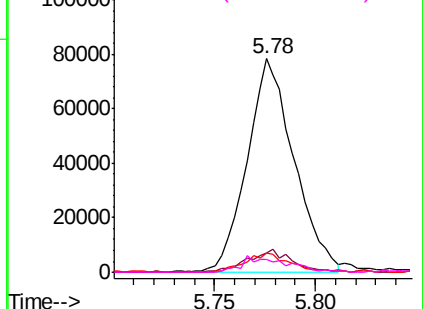


#25
Ethyl Acetate
Concen: 0.462 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:	43	Resp:	127227
Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	8.6	7.0	10.6
70	7.2	5.5	8.3

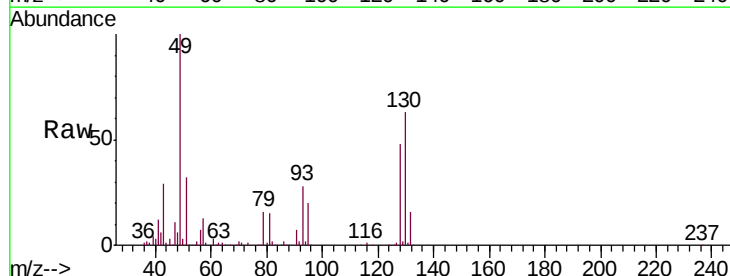


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

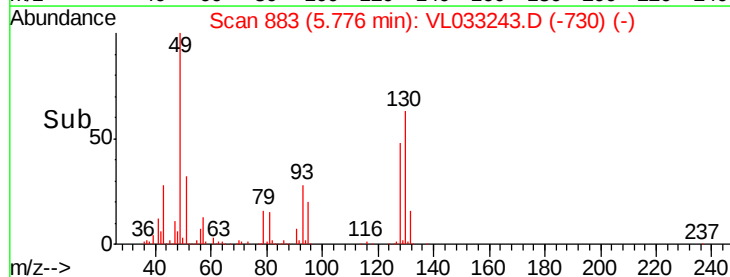
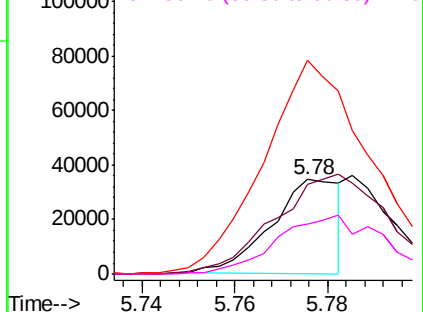


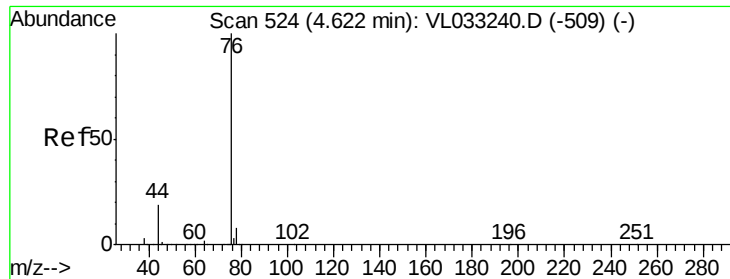
#26
Hexane
Concen: 0.276 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:	57	Resp:	35522
Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.4	110.2#
43	368.4	182.1	273.1#
56	0.0	42.6	64.0#



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: 0.443 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

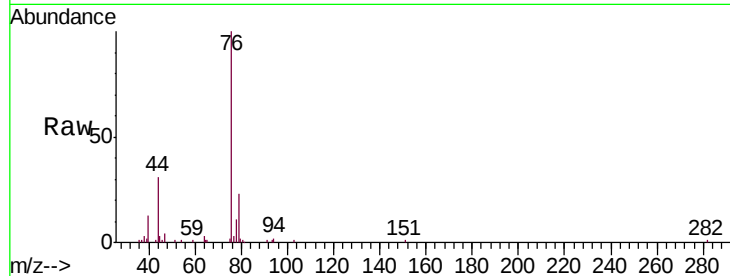
Tgt Ion: 76 Resp: 51292

Ion Ratio Lower Upper

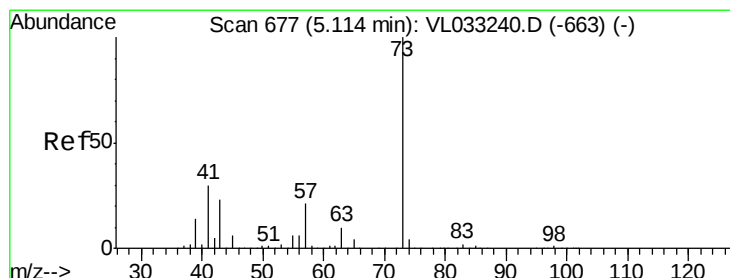
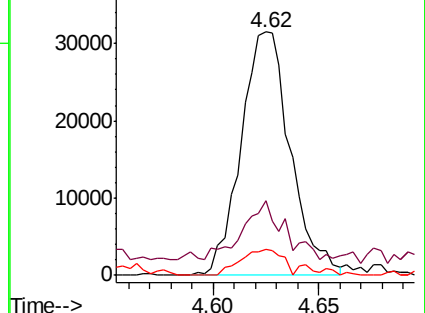
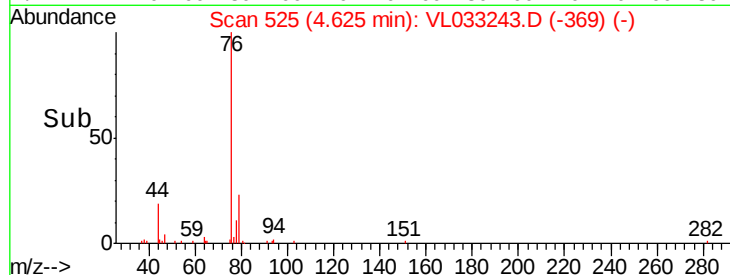
76 100

44 26.2 15.0 22.6#

78 11.2 7.3 10.9#



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: 0.467 ppbv

RT: 5.13 min Scan# 681

Delta R.T. 0.01 min

Lab File: VL033243.D

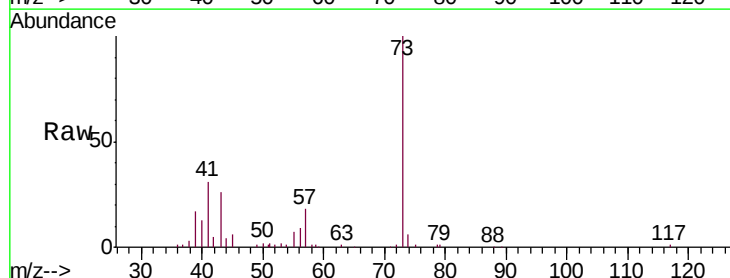
Acq: 6 Mar 2019 3:55

Tgt Ion: 73 Resp: 82245

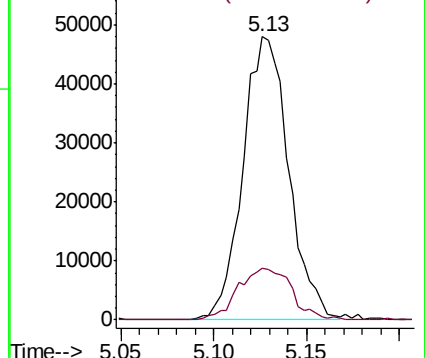
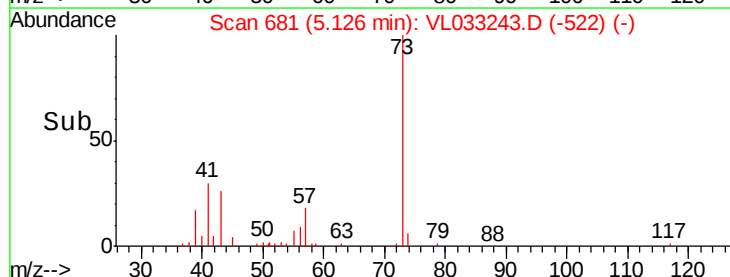
Ion Ratio Lower Upper

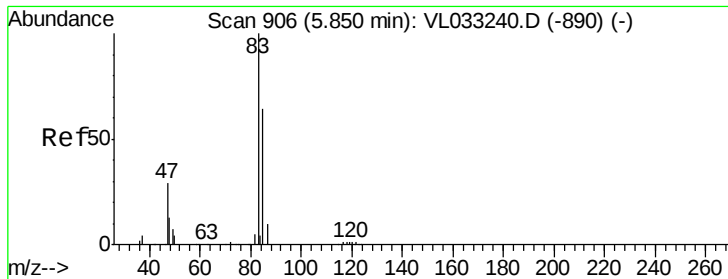
73 100

57 21.4 17.6 26.4



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





#29

Chloroform

Concen: 0.484 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033243.D

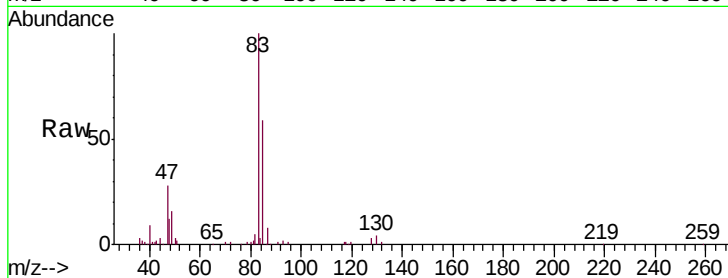
Acq: 6 Mar 2019 3:55

Tgt Ion: 83 Resp: 95646

Ion Ratio Lower Upper

83 100

85 58.8 51.2 76.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.84

60000

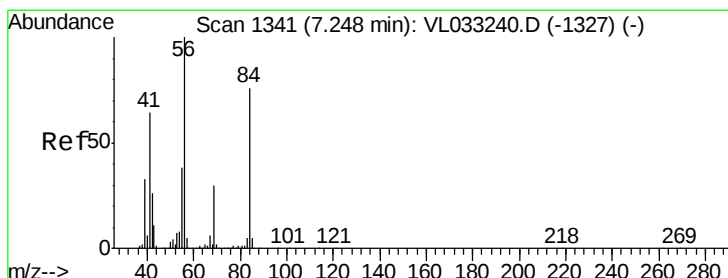
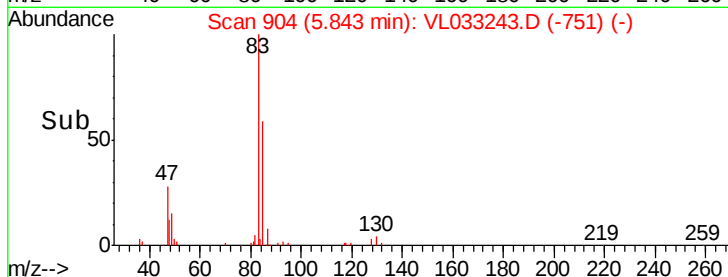
40000

20000

0

5.80 5.85 5.90

Time-->



#30

Cyclohexane

Concen: 0.349 ppbv

RT: 7.25 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

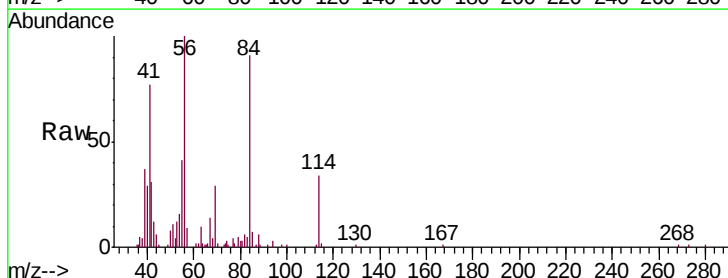
Tgt Ion: 84 Resp: 40206

Ion Ratio Lower Upper

84 100

56 151.1 113.1 169.7

41 99.1 70.8 106.2



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

40000

30000

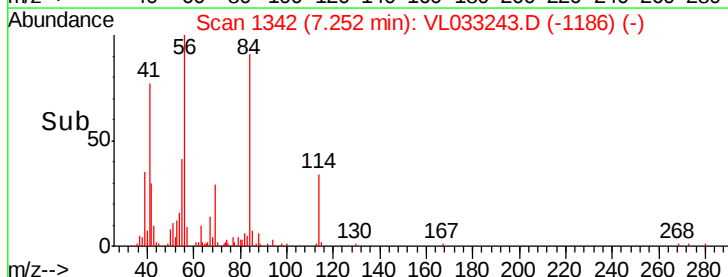
20000

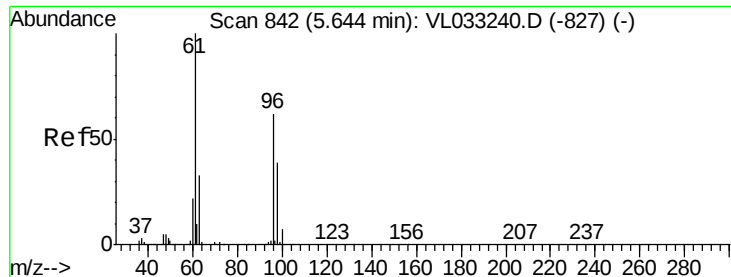
10000

0

7.20 7.25

Time-->

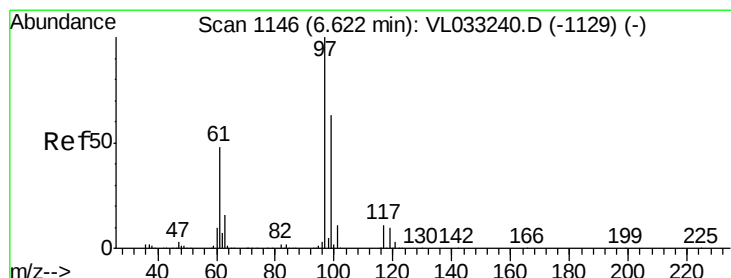
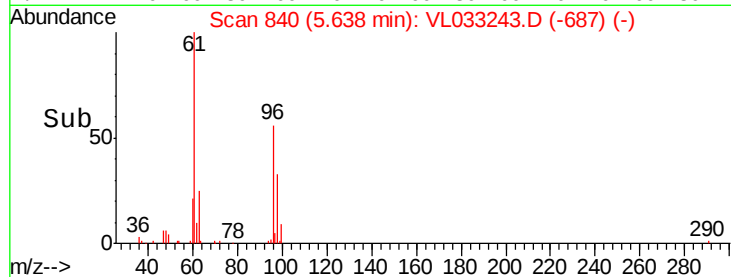
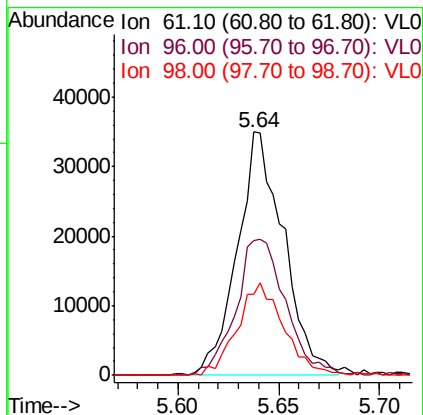
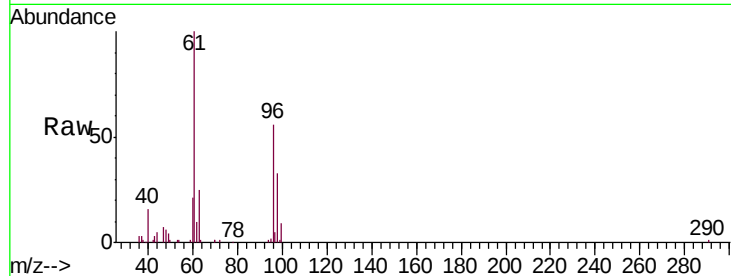




#31

cis-1,2-Dichloroethene
 Concen: 0.437 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

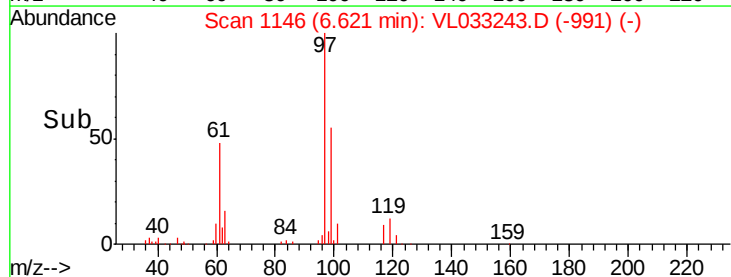
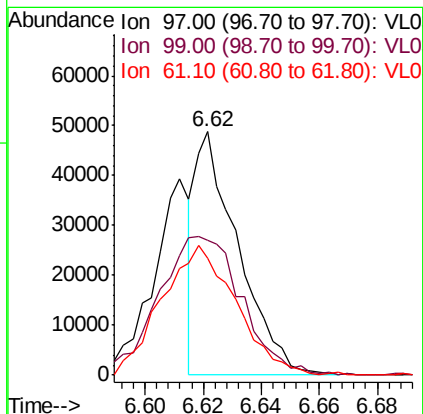
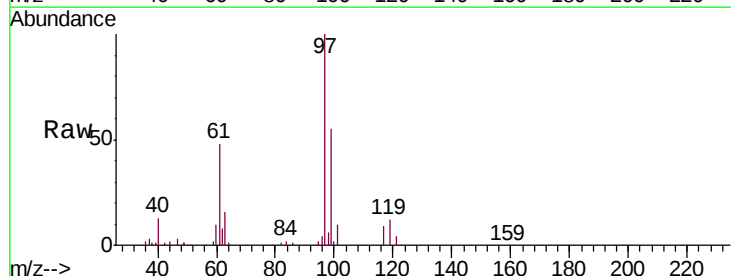
Tgt Ion:	61	Resp:	56253
Ion	Ratio	Lower	Upper
61	100		
96	55.6	49.4	74.0
98	33.2	31.2	46.8

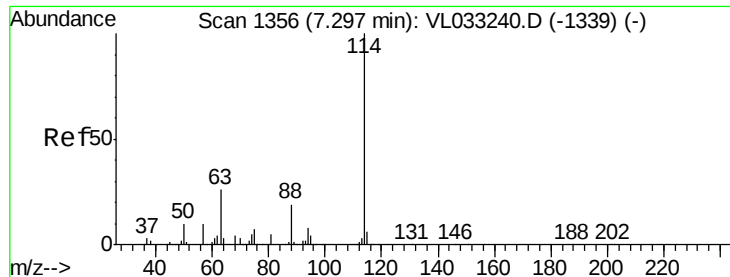


#32

1,1,1-Trichloroethane
 Concen: 0.228 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion:	97	Resp:	49624
Ion	Ratio	Lower	Upper
97	100		
99	111.8	51.4	77.0#
61	94.9	40.1	60.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

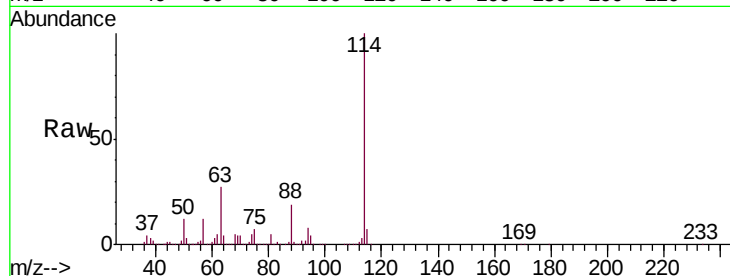
Tgt Ion:114 Resp: 2426194

Ion Ratio Lower Upper

114 100

63 27.0 22.0 33.0

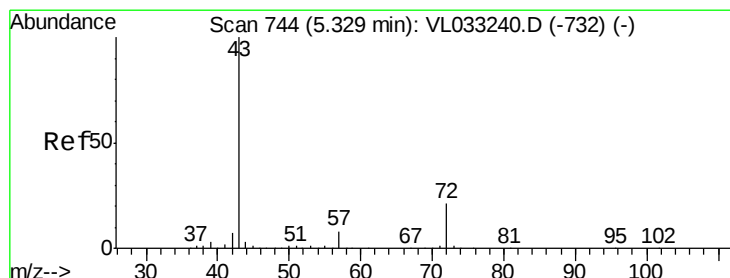
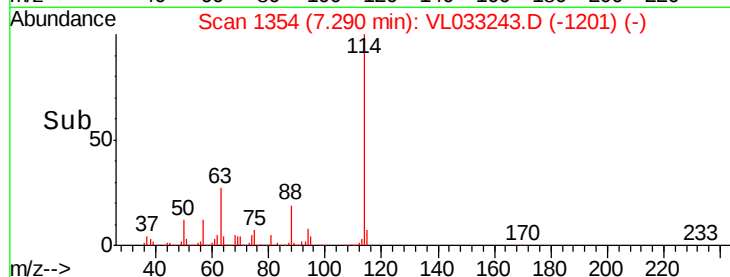
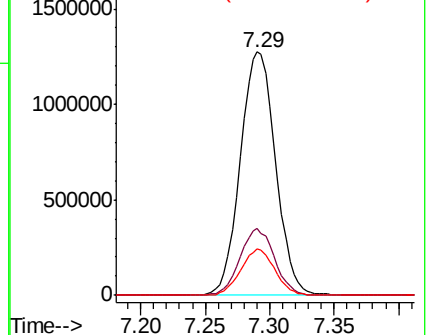
88 18.6 15.0 22.4



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: 0.280 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.01 min

Lab File: VL033243.D

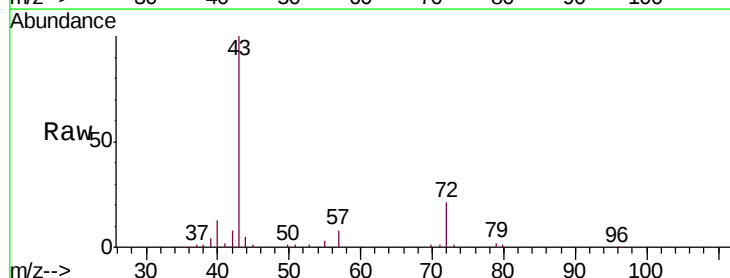
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 44702

Ion Ratio Lower Upper

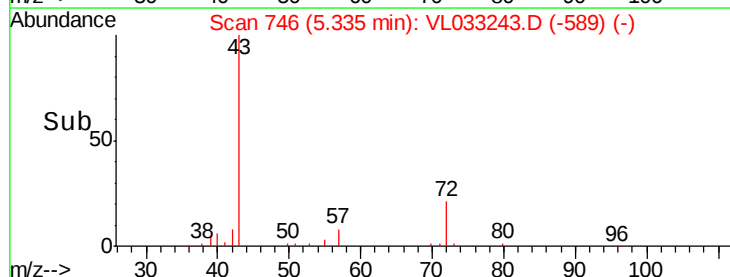
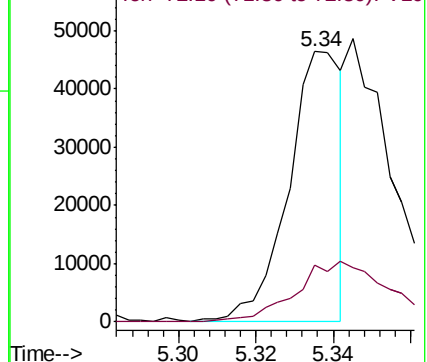
43 100

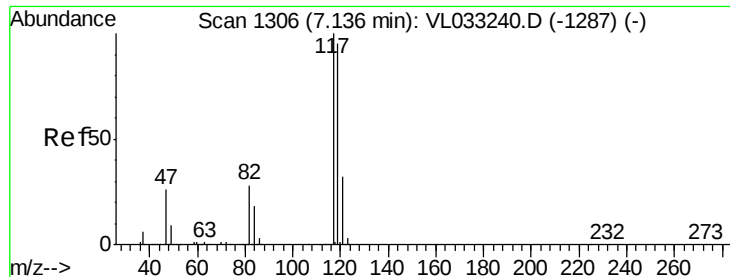
72 0.0 17.1 25.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.460 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

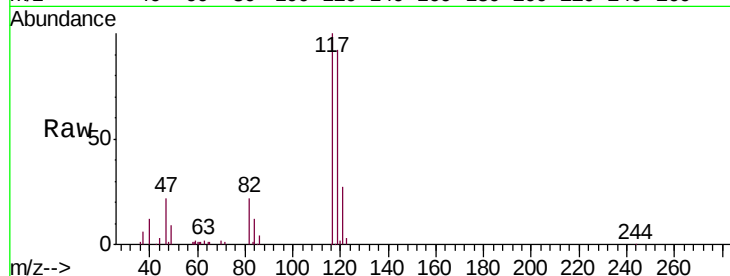
Tgt Ion: 117 Resp: 86136

Ion Ratio Lower Upper

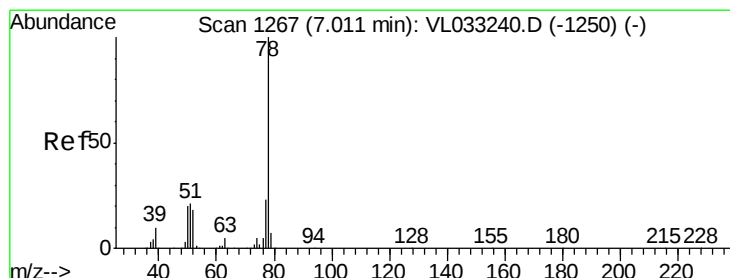
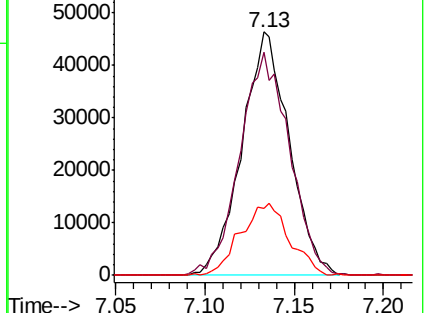
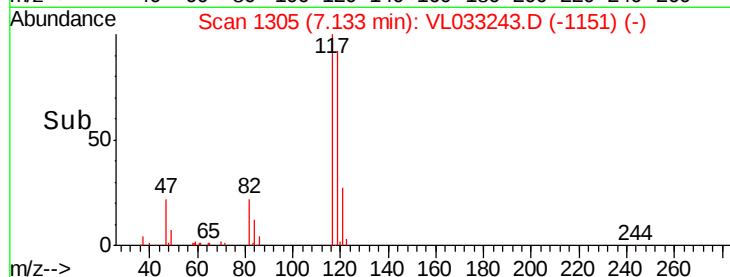
117 100

119 90.8 75.8 113.6

121 27.1 25.6 38.4



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



#36

Benzene

Concen: 0.451 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

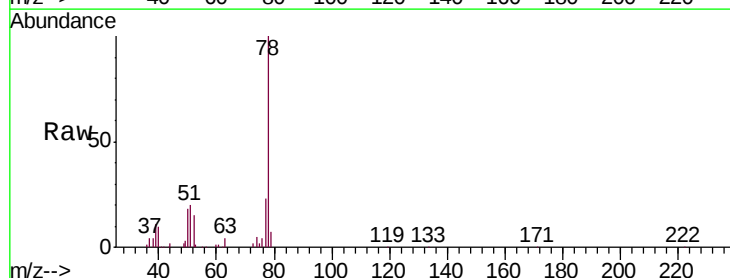
Tgt Ion: 78 Resp: 113106

Ion Ratio Lower Upper

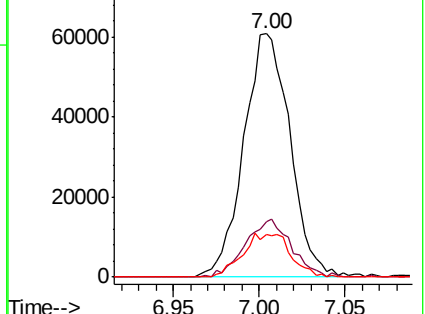
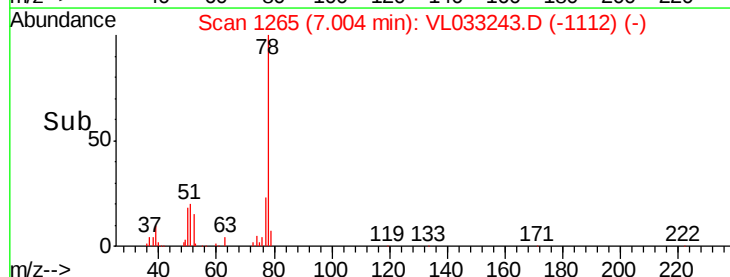
78 100

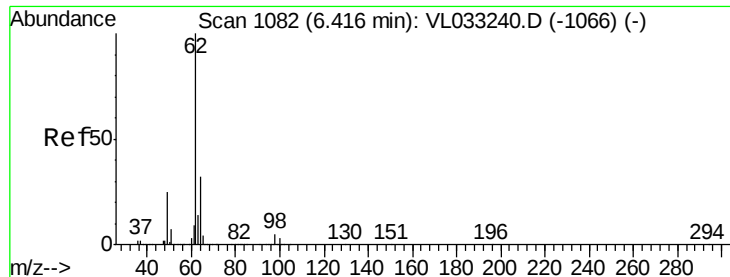
77 22.6 18.0 27.0

50 17.6 16.2 24.4



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: 0.511 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VL033243.D

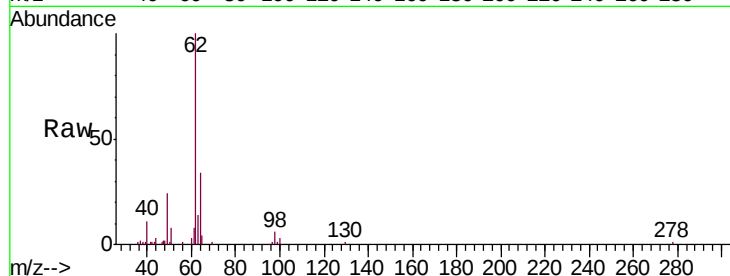
Acq: 6 Mar 2019 3:55

Tgt Ion: 62 Resp: 72703

Ion Ratio Lower Upper

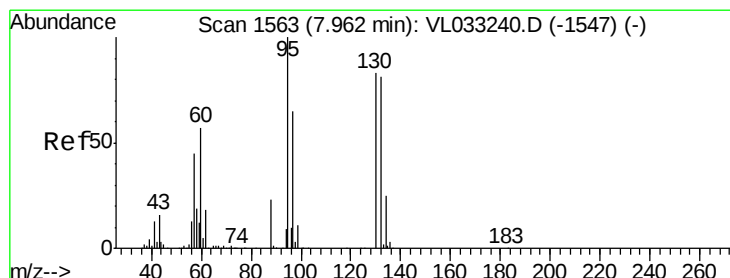
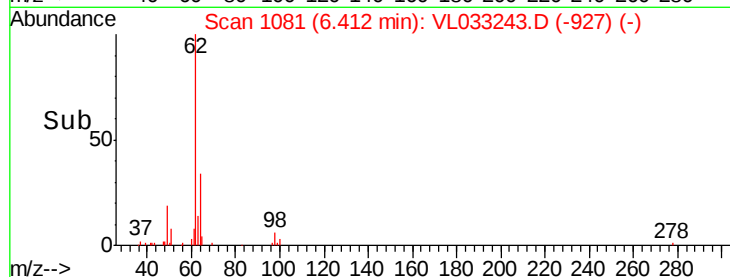
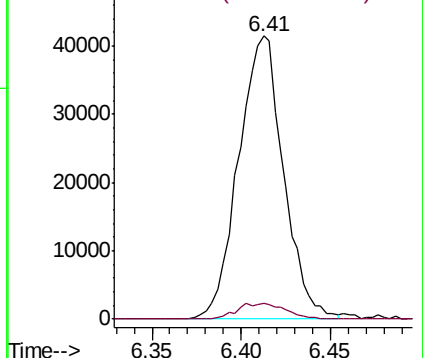
62 100

98 5.9 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.405 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion: 130 Resp: 42871

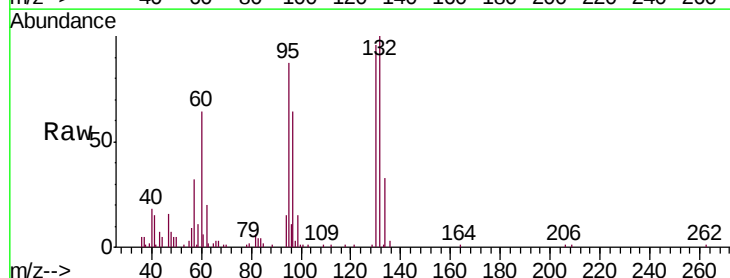
Ion Ratio Lower Upper

130 100

95 91.5 95.7 143.5#

132 103.9 77.4 116.2

97 65.8 62.5 93.7

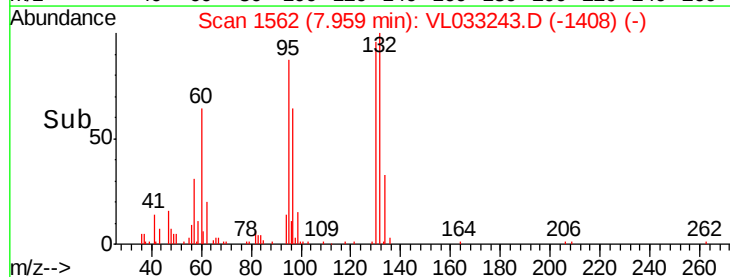
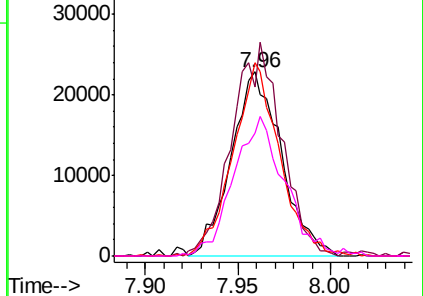


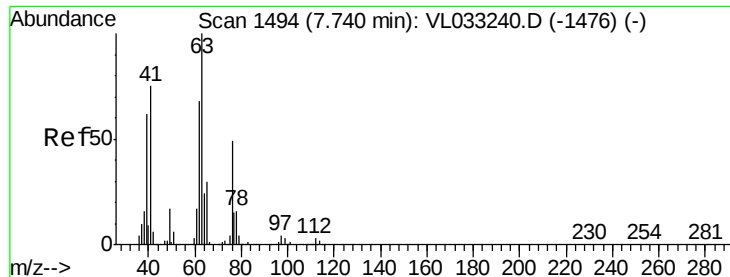
Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.428 ppbv

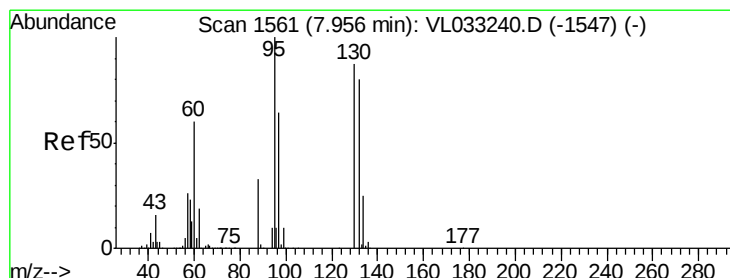
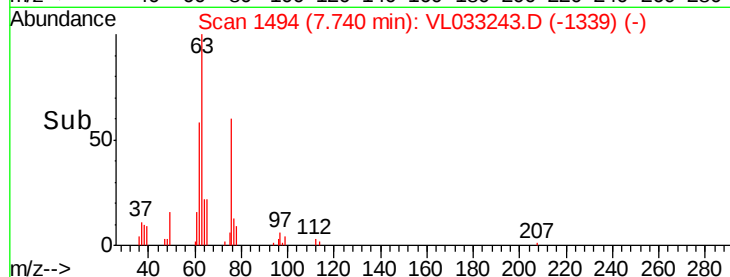
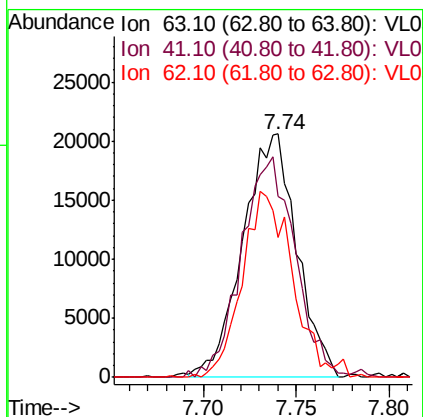
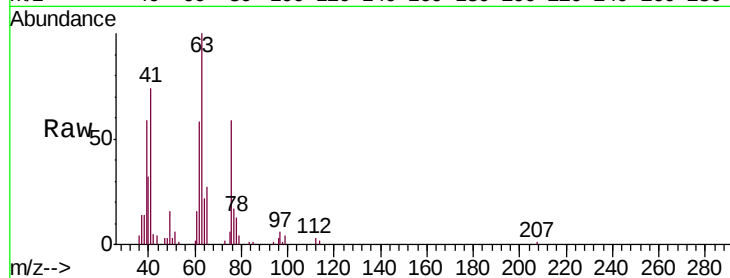
RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	63	Resp:	41620
Ion	Ratio	Lower	Upper
63	100		
41	59.4	60.0	90.0#
62	47.3	54.2	81.4#



#40

1,4-Dioxane

Concen: 0.111 ppbv

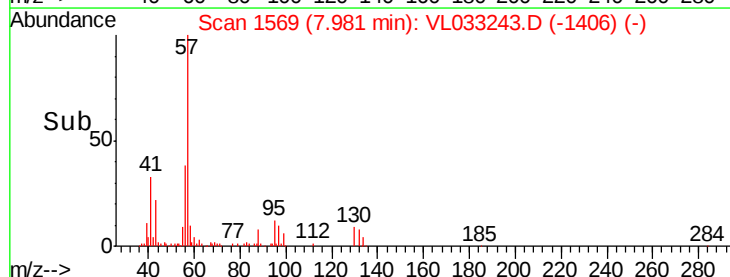
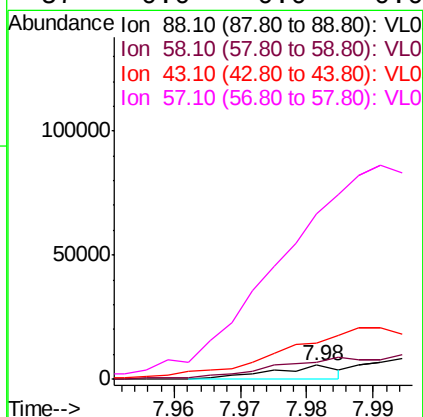
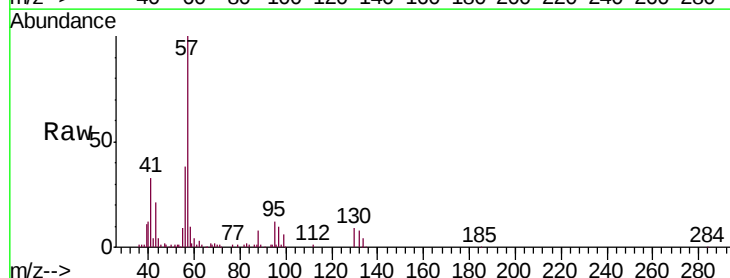
RT: 7.98 min Scan# 1569

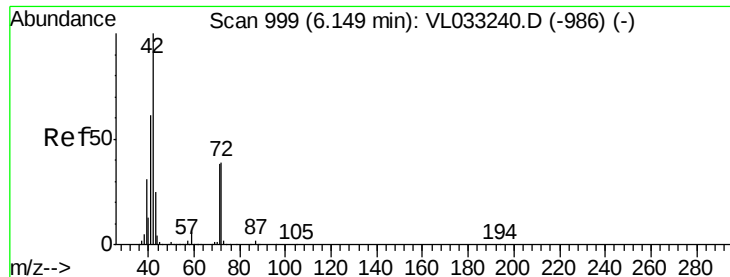
Delta R.T. 0.03 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	88	Resp:	3894
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.427 ppbv

RT: 6.17 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

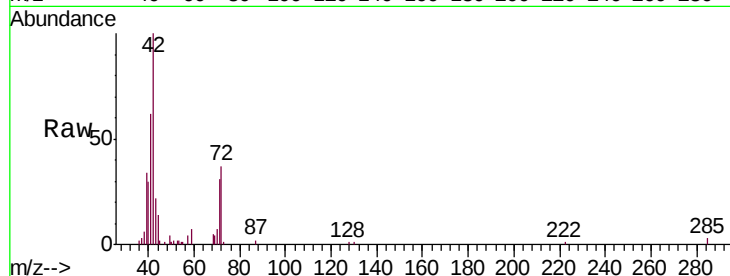
Tgt Ion: 42 Resp: 41822

Ion Ratio Lower Upper

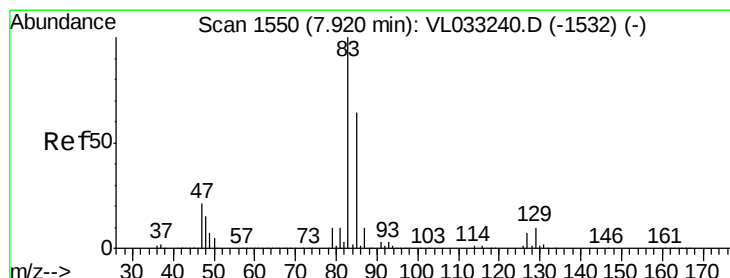
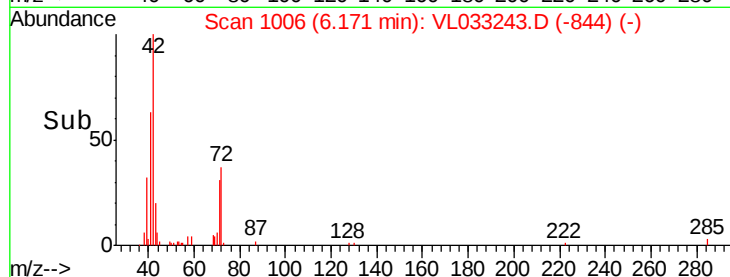
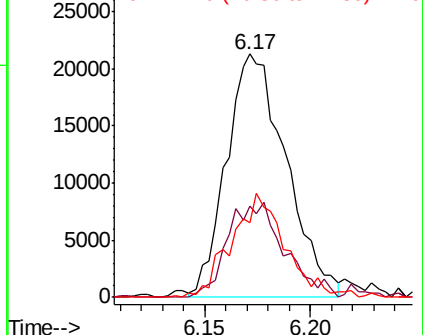
42 100

72 37.1 30.2 45.4

71 38.7 29.6 44.4



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: 0.467 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

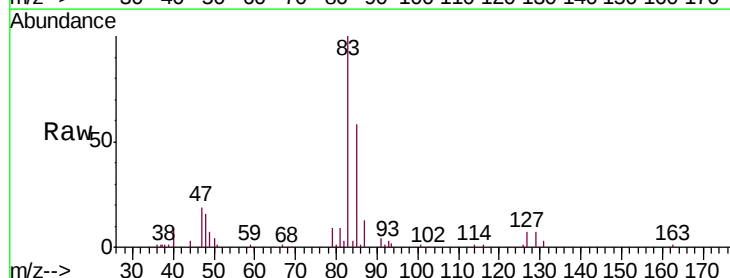
Tgt Ion: 83 Resp: 93613

Ion Ratio Lower Upper

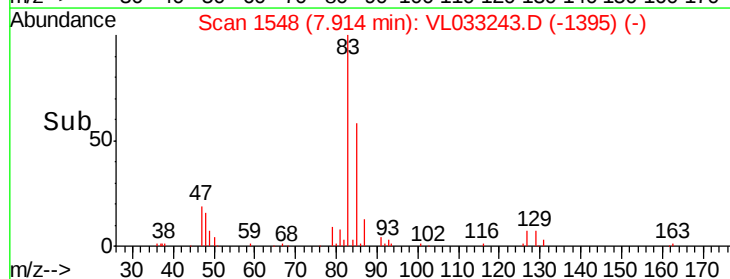
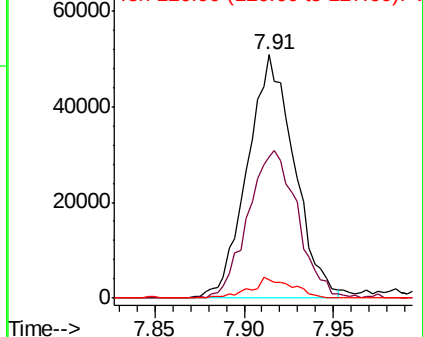
83 100

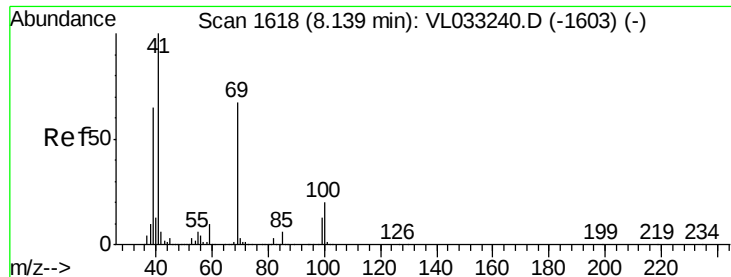
85 58.0 51.5 77.3

127 7.3 5.9 8.9



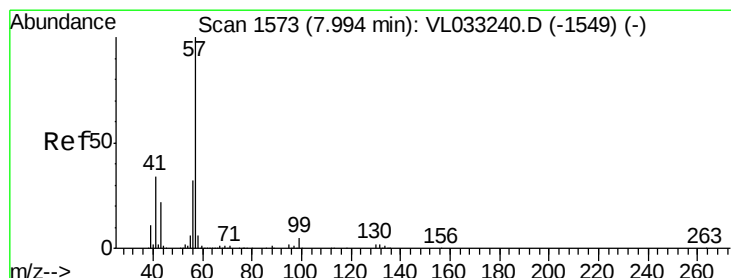
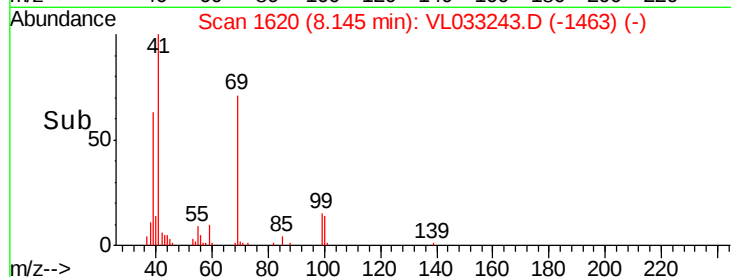
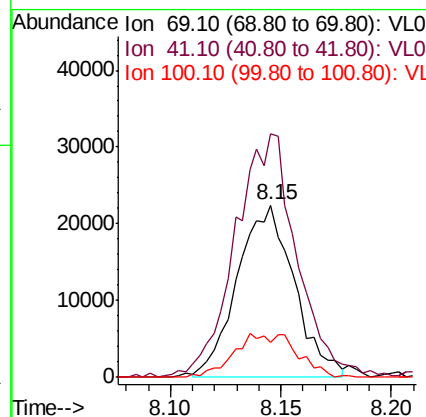
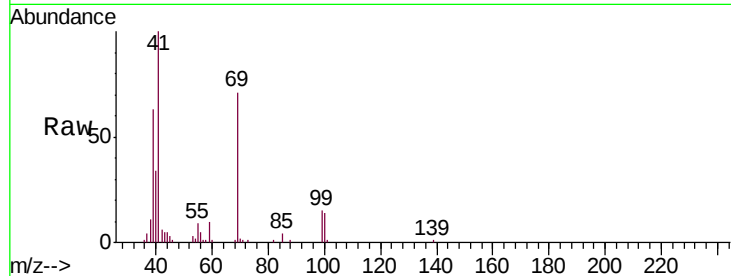
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





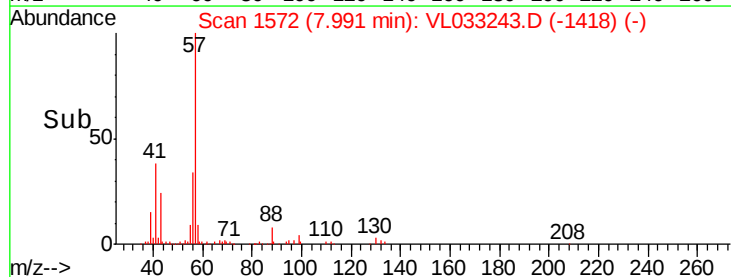
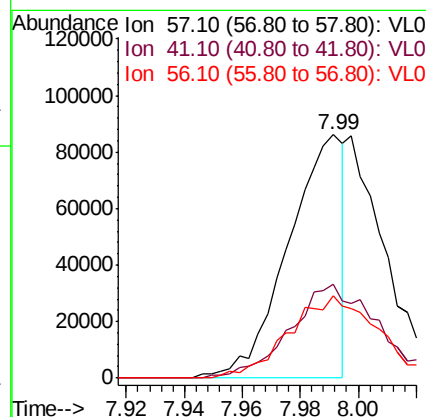
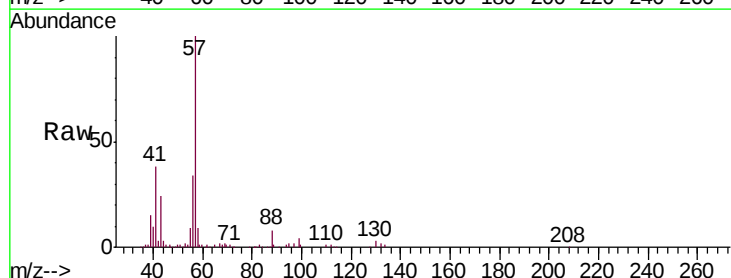
#43
Methyl Methacrylate
Concen: 0.406 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

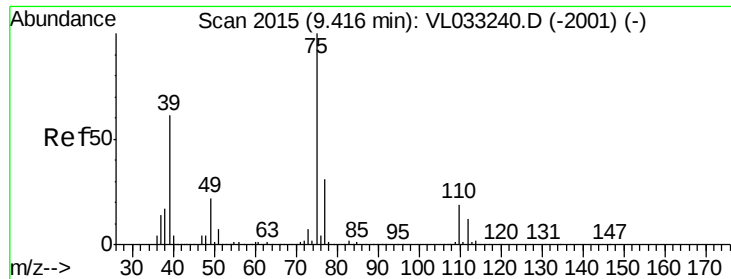
Tgt Ion: 69 Resp: 40272
Ion Ratio Lower Upper
69 100
41 154.5 120.9 181.3
100 27.7 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 0.269 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 57 Resp: 113244
Ion Ratio Lower Upper
57 100
41 61.4 26.1 39.1#
56 54.8 24.7 37.1#





#45

t-1,3-Dichloropropene

Concen: 0.370 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033243.D

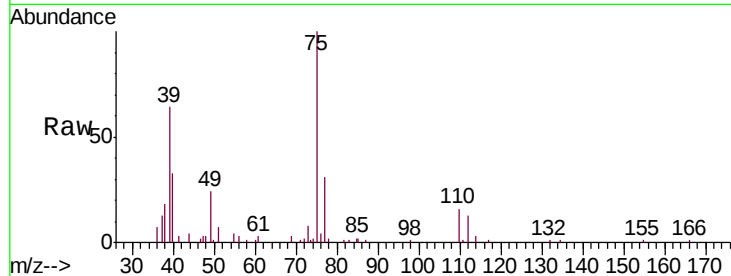
Acq: 6 Mar 2019 3:55

Tgt Ion: 75 Resp: 40849

Ion Ratio Lower Upper

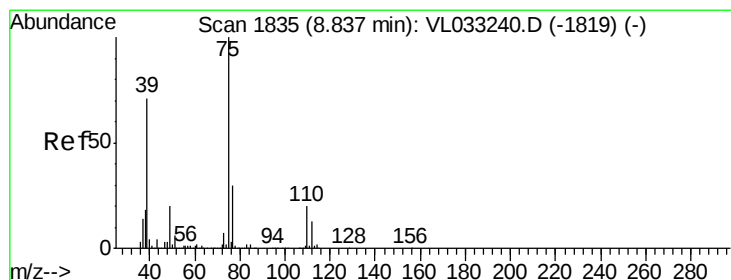
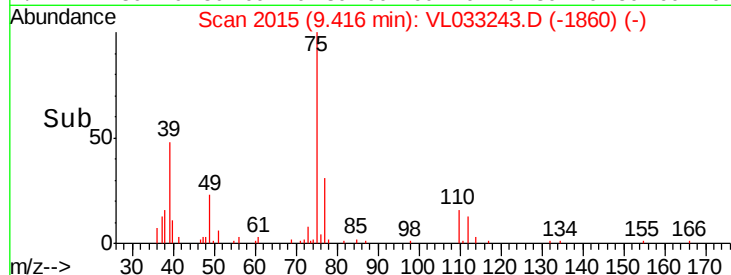
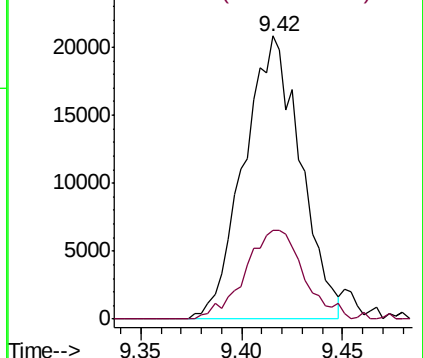
75 100

77 33.1 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.394 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

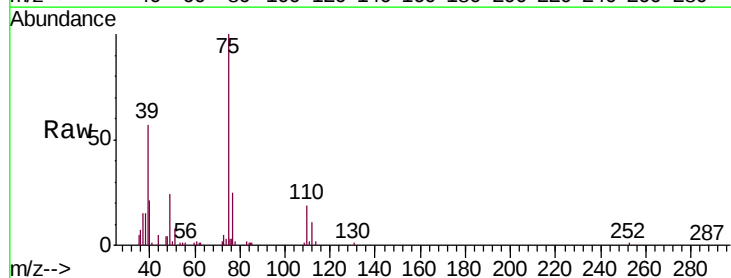
Tgt Ion: 75 Resp: 55405

Ion Ratio Lower Upper

75 100

39 55.6 57.0 85.6#

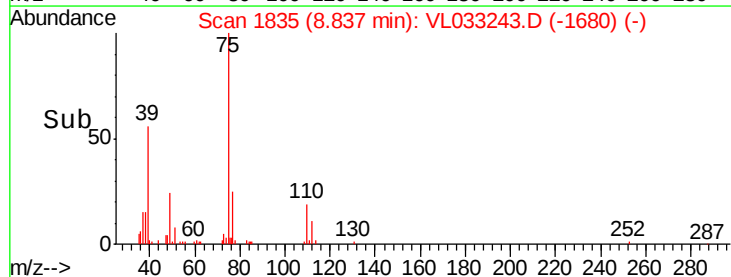
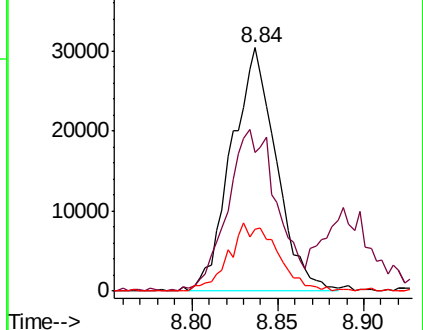
77 25.5 24.0 36.0

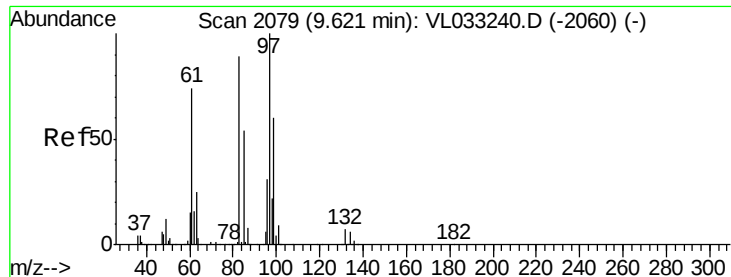


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.446 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion: 97 Resp: 45188

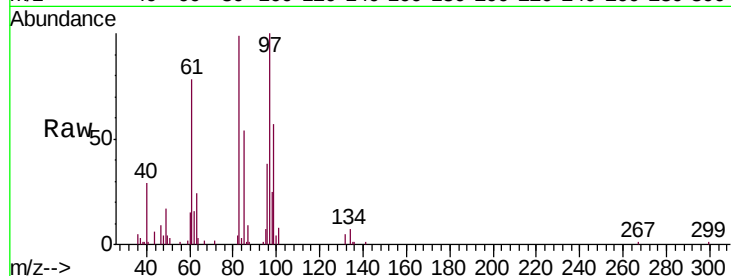
Ion Ratio Lower Upper

97 100

83 98.7 71.1 106.7

85 54.0 42.9 64.3

99 56.6 48.2 72.4

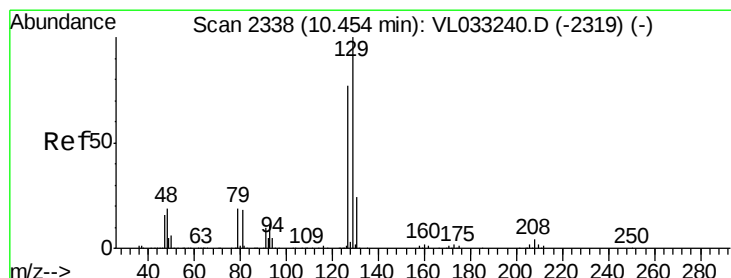
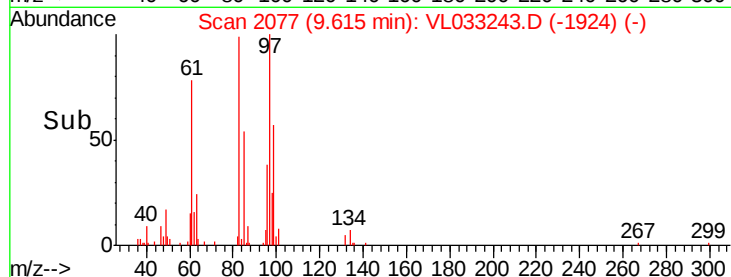
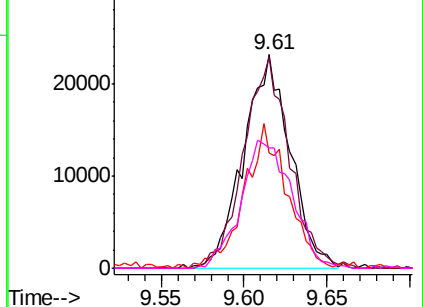


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.426 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033243.D

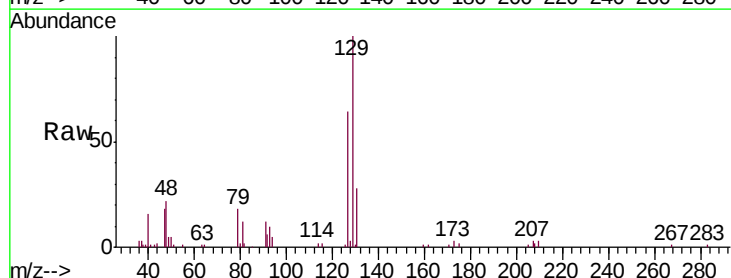
Acq: 6 Mar 2019 3:55

Tgt Ion: 129 Resp: 68147

Ion Ratio Lower Upper

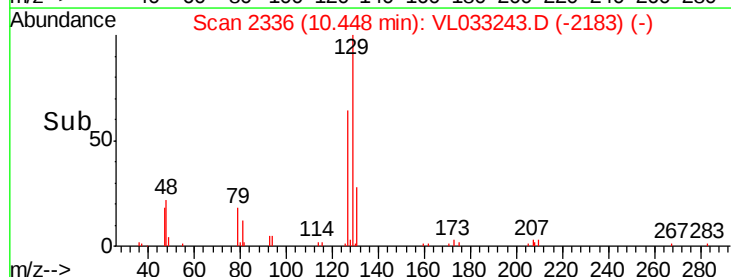
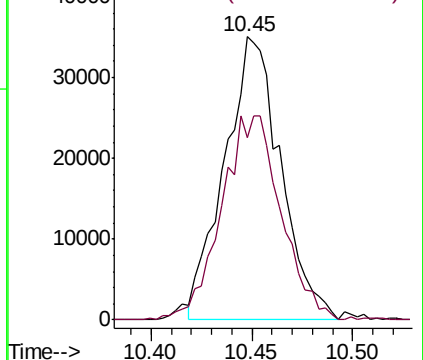
129 100

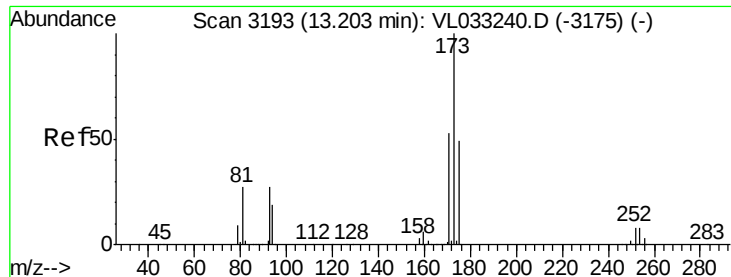
127 76.6 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

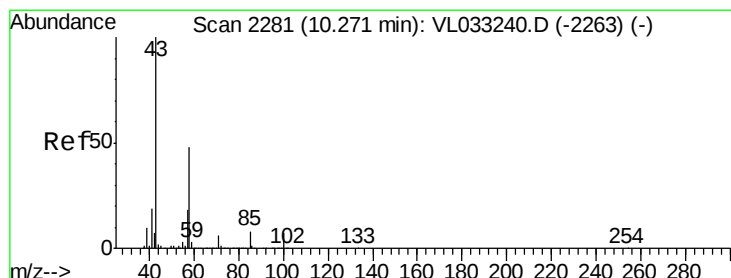
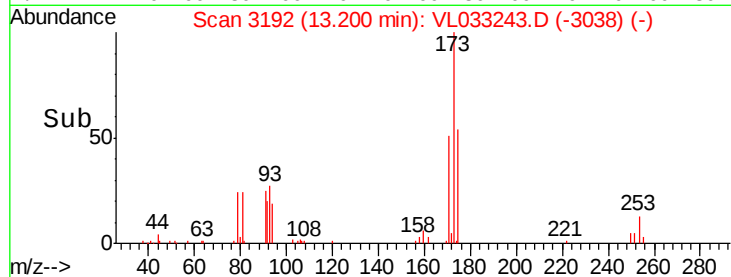
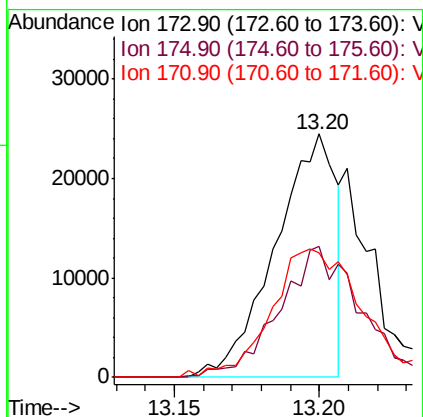
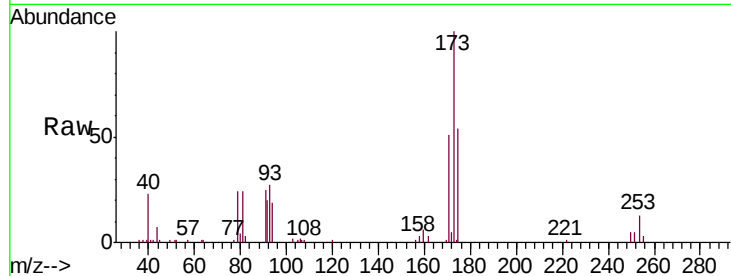
Ion 127.00 (126.70 to 127.70): V





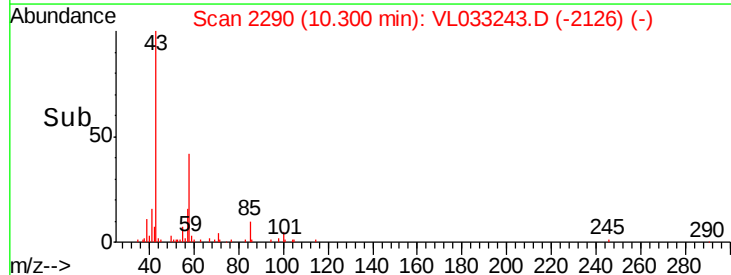
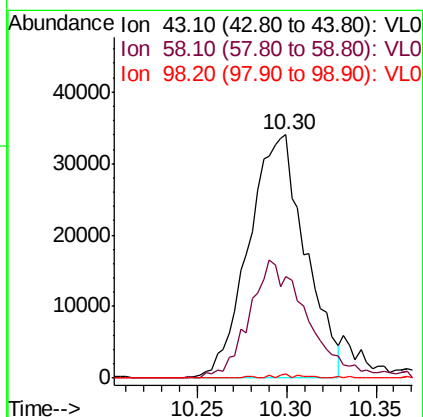
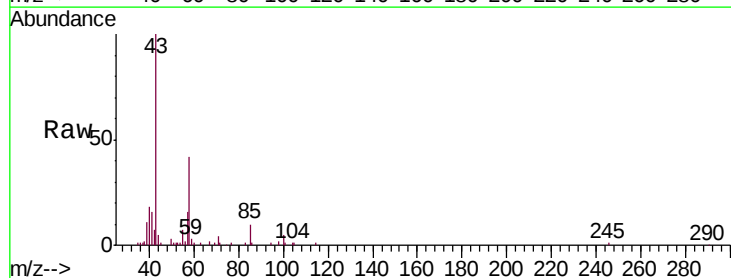
#49
Bromoform
Concen: 0.262 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

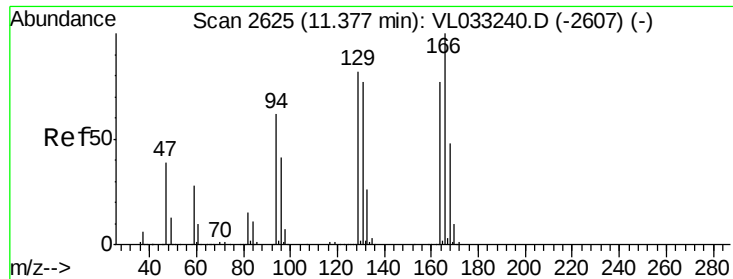
Tgt Ion: 173 Resp: 35650
Ion Ratio Lower Upper
173 100
175 72.0 38.9 58.3#
171 78.2 41.4 62.0#



#51
2-Hexanone
Concen: 0.386 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.03 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 75637
Ion Ratio Lower Upper
43 100
58 50.2 38.2 57.2
98 0.6 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.228 ppbv

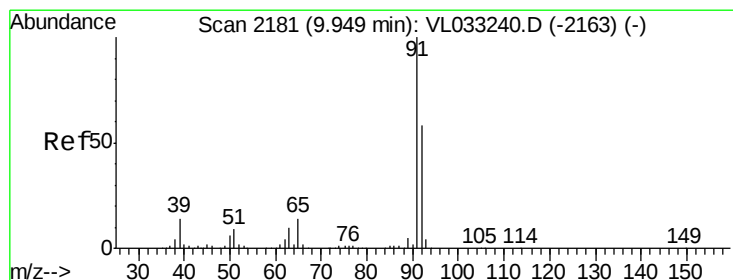
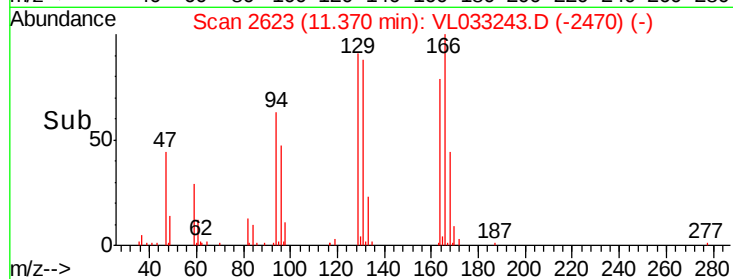
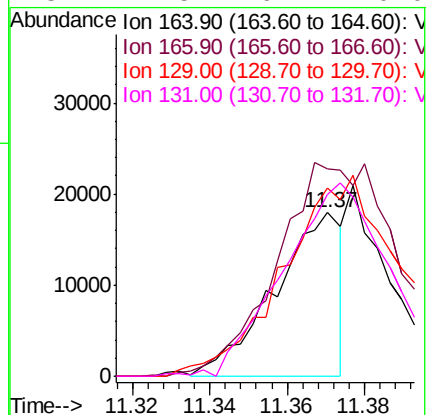
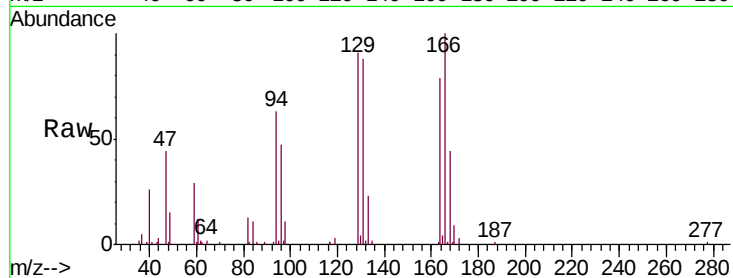
RT: 11.37 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	164	Resp:	21625
Ion	Ratio	Lower	Upper
164	100		
166	124.0	103.3	154.9
129	113.9	84.4	126.6
131	111.5	79.4	119.0



#53

Toluene

Concen: 0.398 ppbv

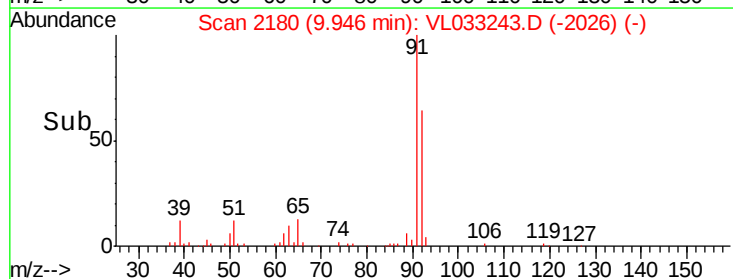
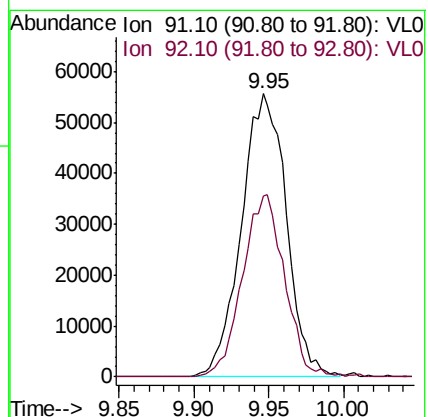
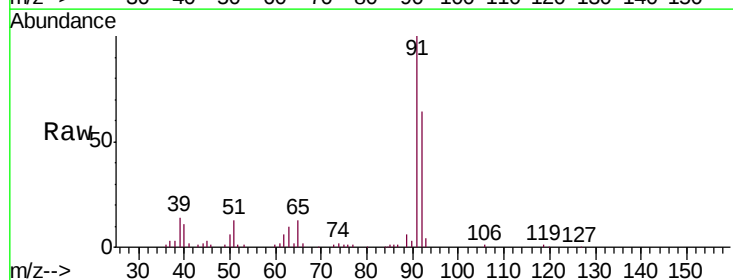
RT: 9.95 min Scan# 2180

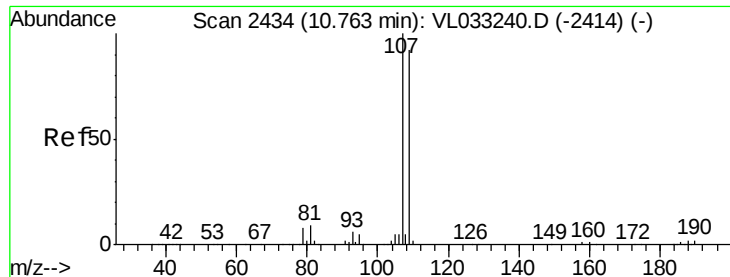
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	91	Resp:	116317
Ion	Ratio	Lower	Upper
91	100		
92	60.4	47.4	71.2





#54

1,2-Dibromoethane

Concen: 0.203 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033243.D

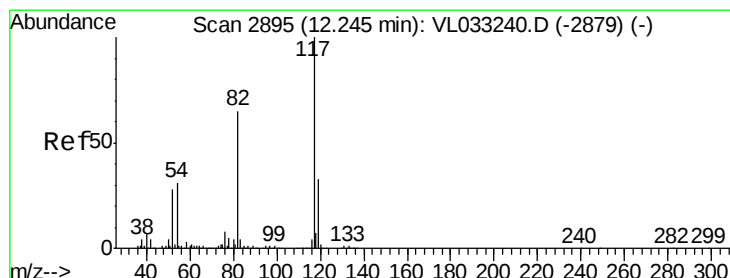
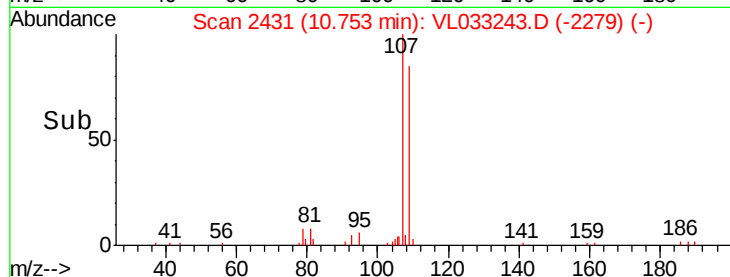
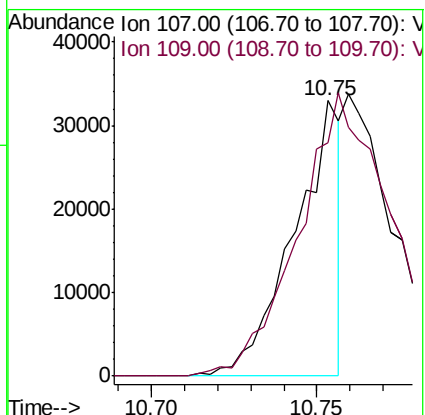
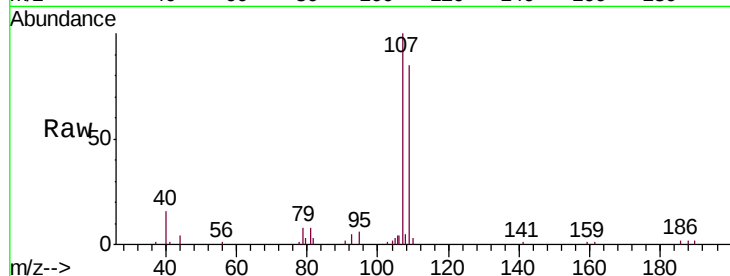
Acq: 6 Mar 2019 3:55

Tgt Ion:107 Resp: 32121

Ion Ratio Lower Upper

107 100

109 80.4 73.6 110.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

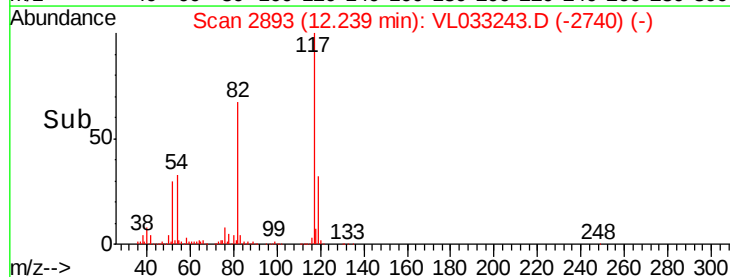
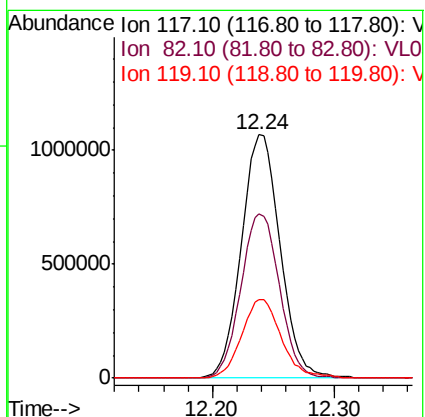
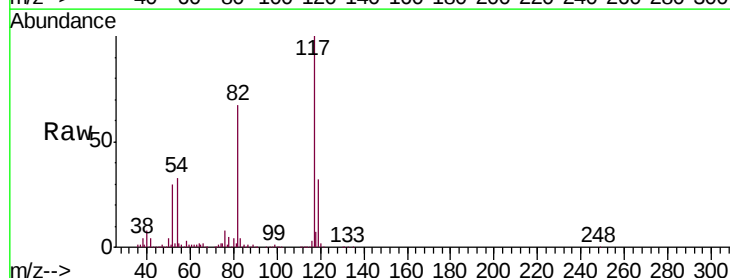
Tgt Ion:117 Resp: 2343254

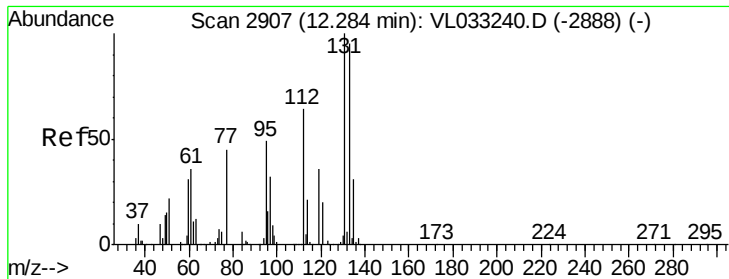
Ion Ratio Lower Upper

117 100

82 67.4 51.8 77.8

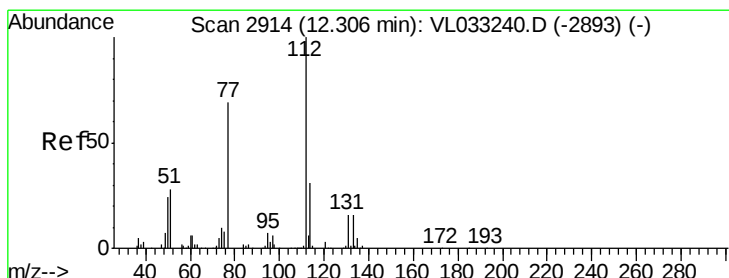
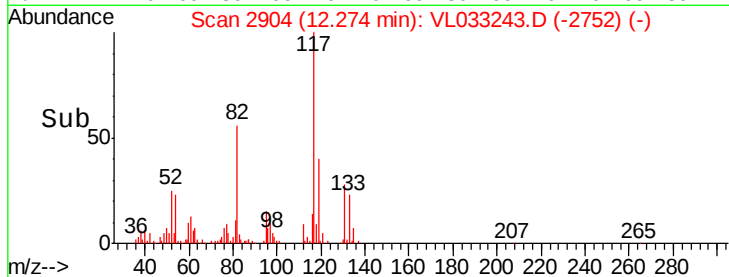
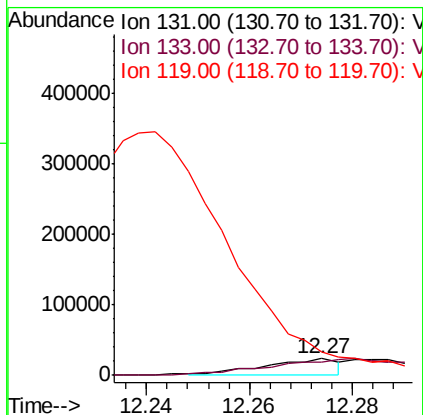
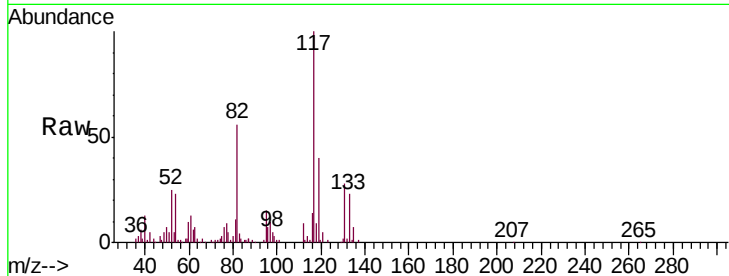
119 33.1 43.6 65.4#





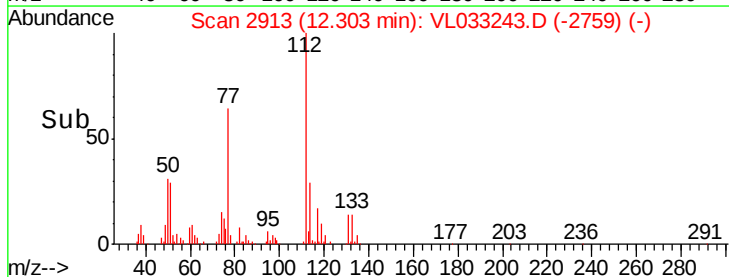
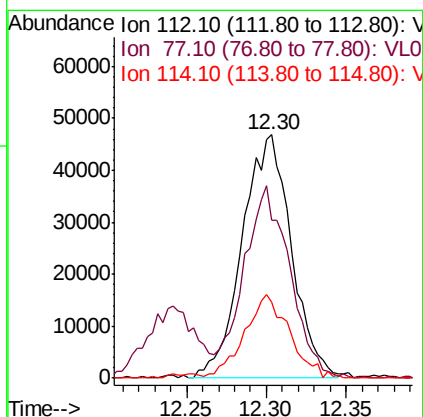
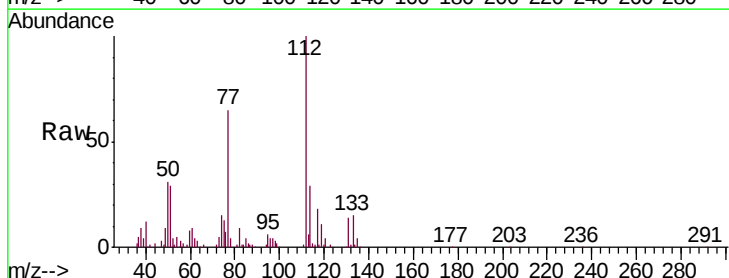
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.215 ppbv
 RT: 12.27 min Scan# 2904
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

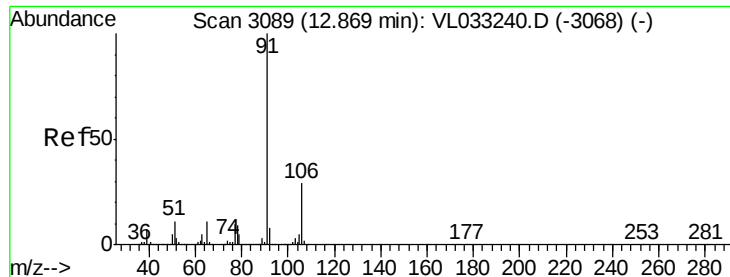
Tgt Ion:131 Resp: 23193
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.2 114.2#
 119 0.0 108.9 163.3#



#57
 Chlorobenzene
 Concen: 0.482 ppbv
 RT: 12.30 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion:112 Resp: 98509
 Ion Ratio Lower Upper
 112 100
 77 63.8 56.5 84.7
 114 29.8 28.4 34.7





#58

Ethyl Benzene

Concen: 0.405 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL033243.D

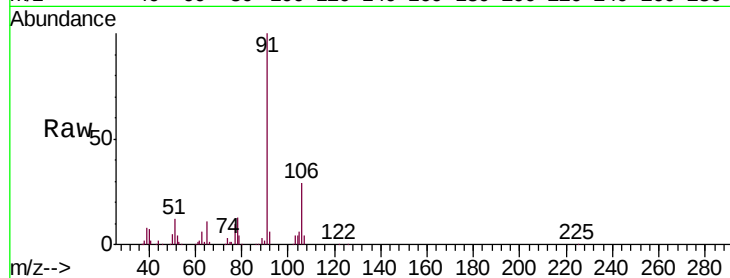
Acq: 6 Mar 2019 3:55

Tgt Ion: 91 Resp: 153697

Ion Ratio Lower Upper

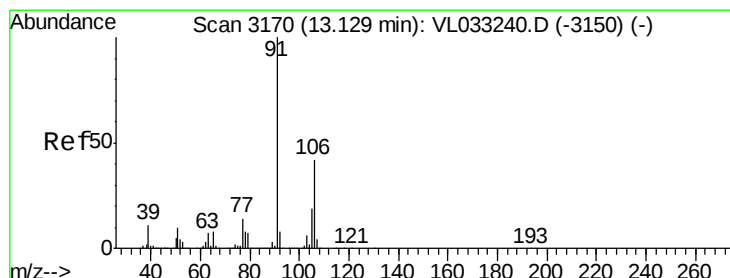
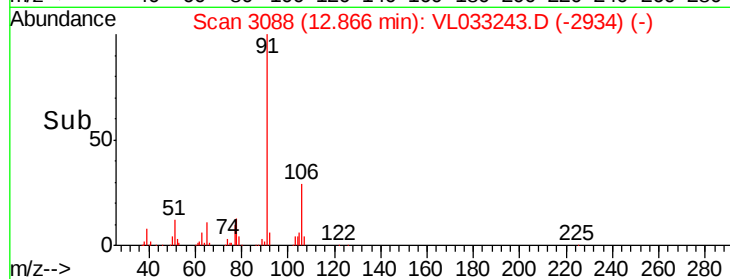
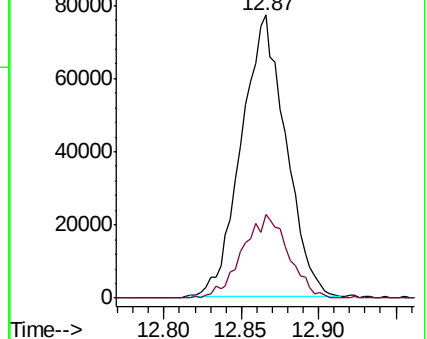
91 100

106 29.6 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.434 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL033243.D

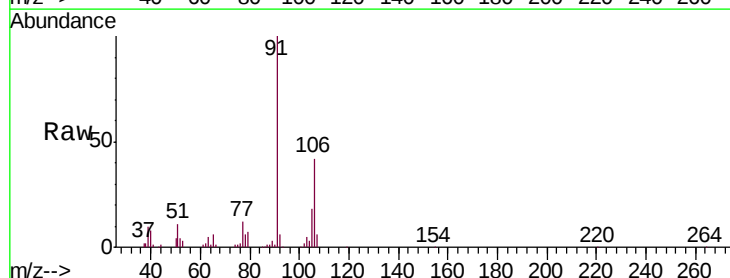
Acq: 6 Mar 2019 3:55

Tgt Ion: 91 Resp: 137225

Ion Ratio Lower Upper

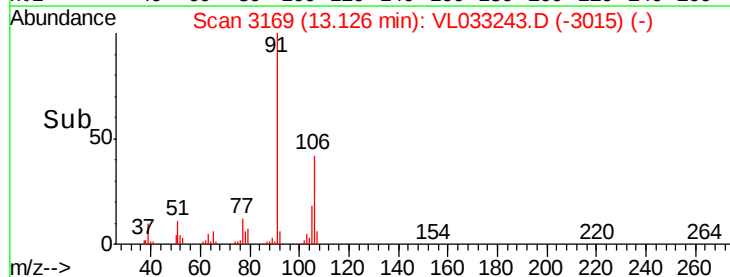
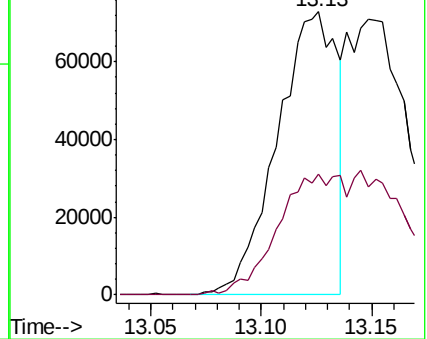
91 100

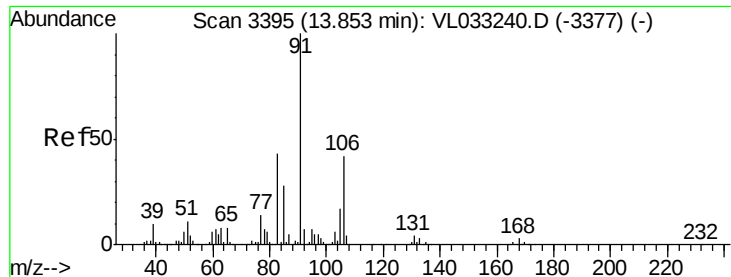
106 0.0 35.6 53.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

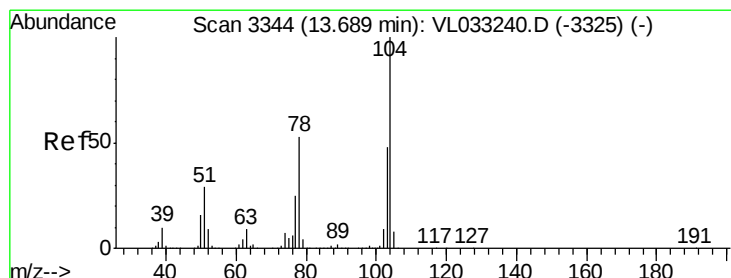
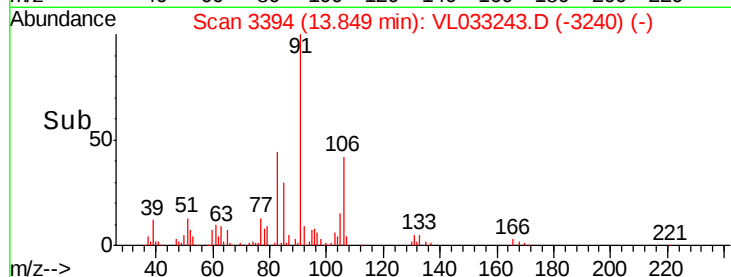
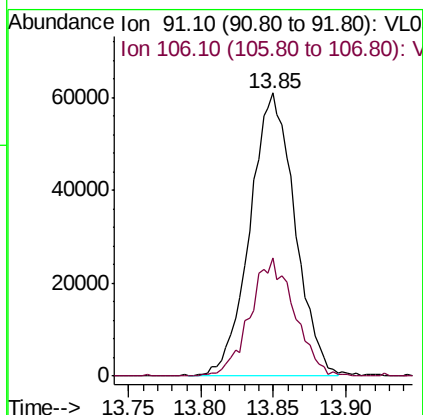
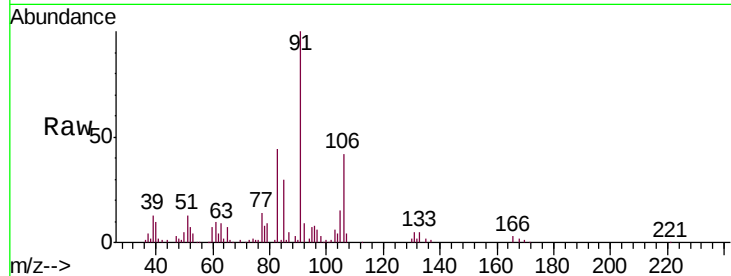
Ion 106.10 (105.80 to 106.80): V





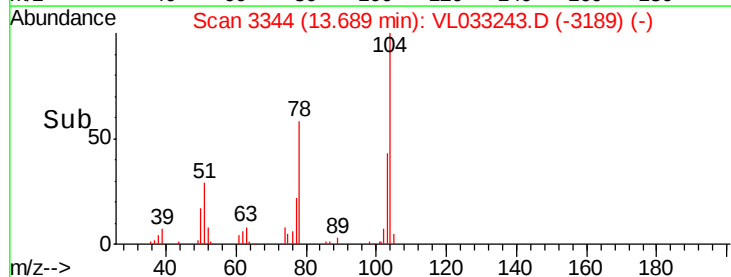
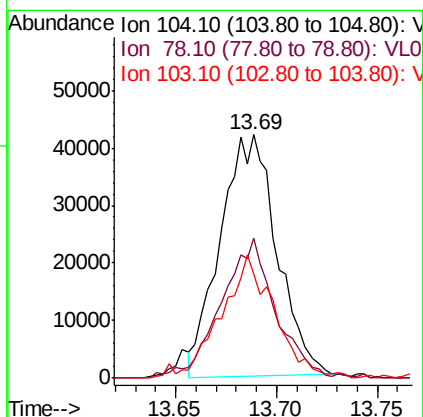
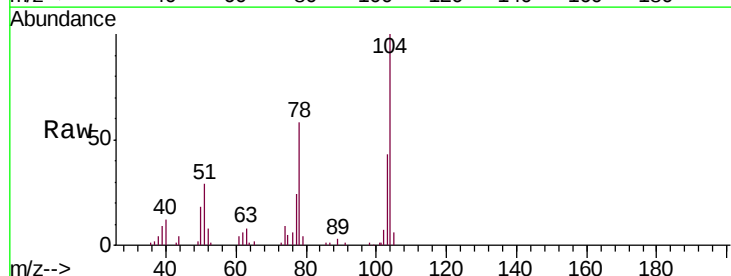
#60
o-Xylene
Concen: 0.427 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

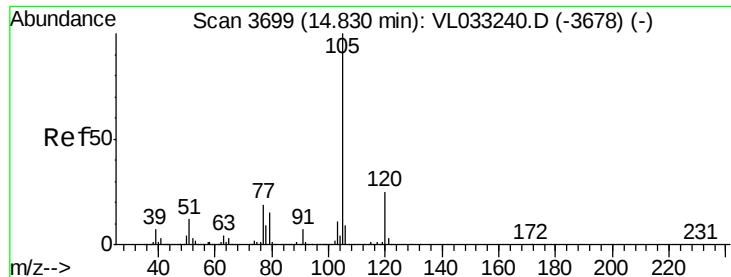
Tgt Ion: 91 Resp: 131573
Ion Ratio Lower Upper
91 100
106 40.8 21.4 64.3



#61
Styrene
Concen: 0.357 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 104 Resp: 82114
Ion Ratio Lower Upper
104 100
78 56.0 43.7 65.5
103 48.7 38.2 57.2





#62

Isopropylbenzene

Concen: 0.439 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033243.D

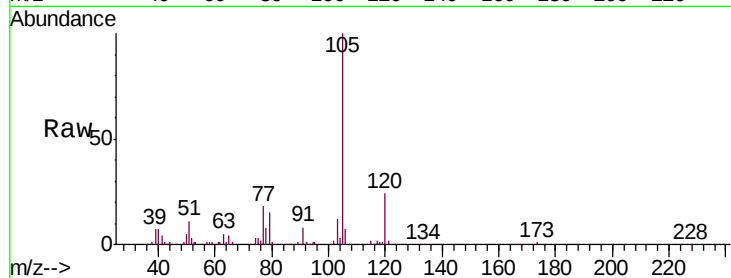
Acq: 6 Mar 2019 3:55

Tgt Ion: 105 Resp: 189279

Ion Ratio Lower Upper

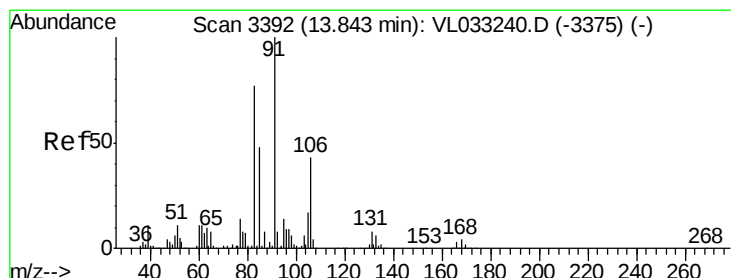
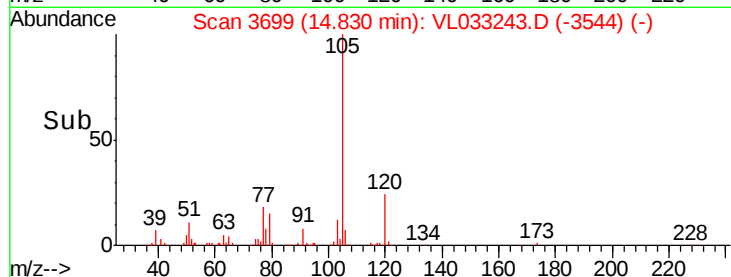
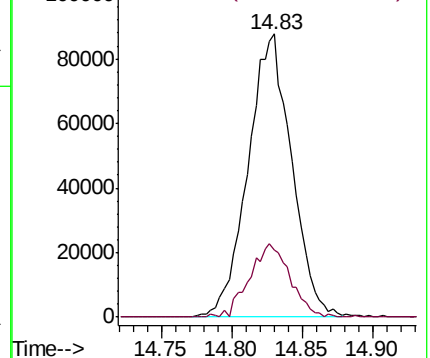
105 100

120 24.1 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: 0.184 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

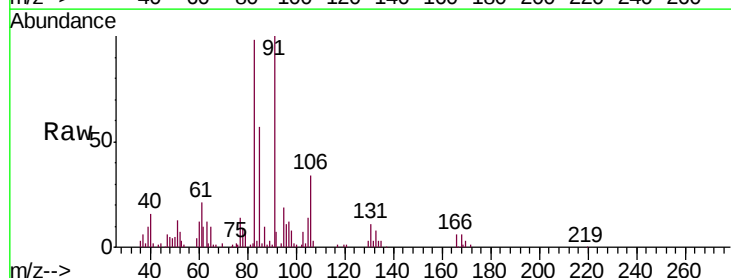
Tgt Ion: 83 Resp: 44108

Ion Ratio Lower Upper

83 100

131 21.8 4.7 14.0#

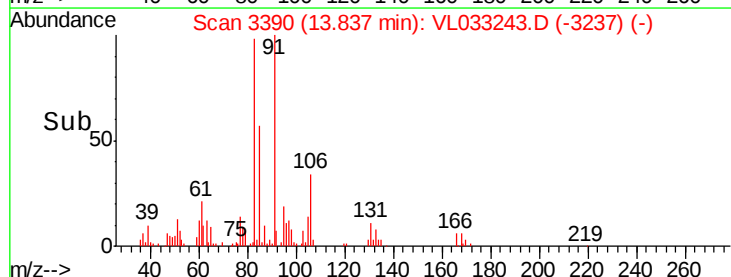
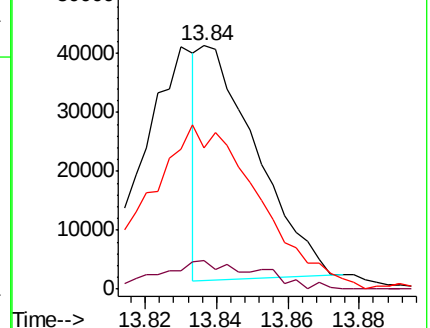
85 140.2 32.6 97.8#

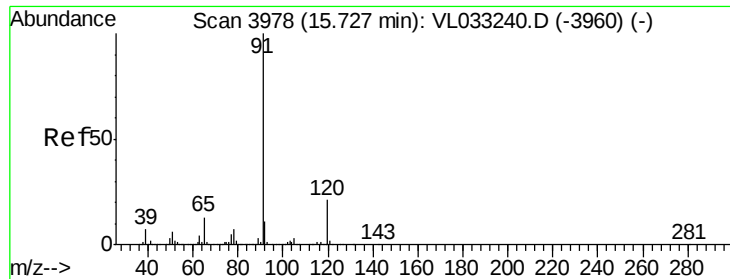


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

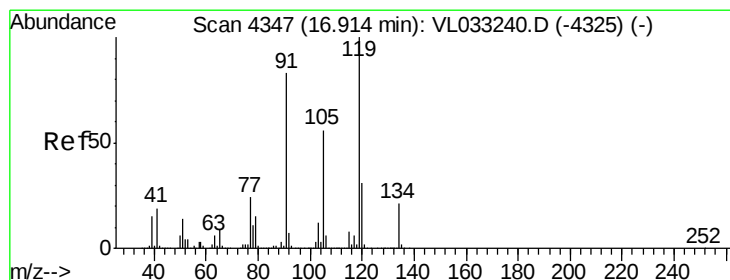
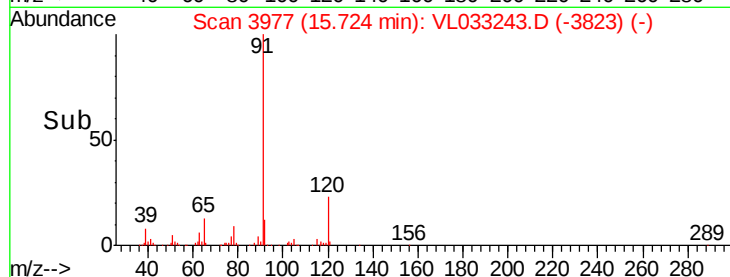
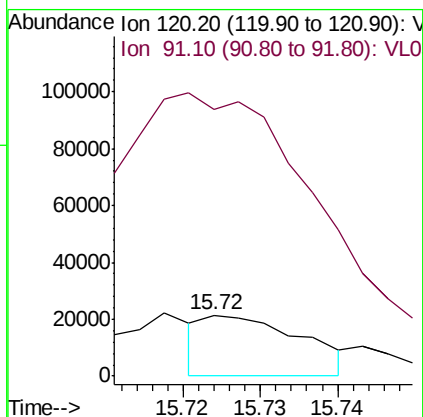
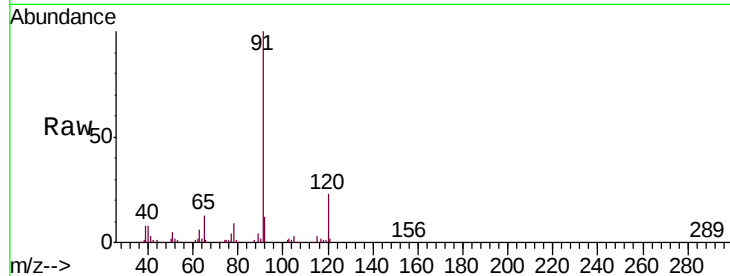
Ion 85.00 (84.70 to 85.70): VL0





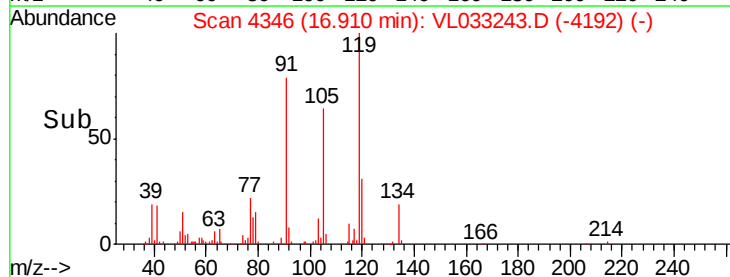
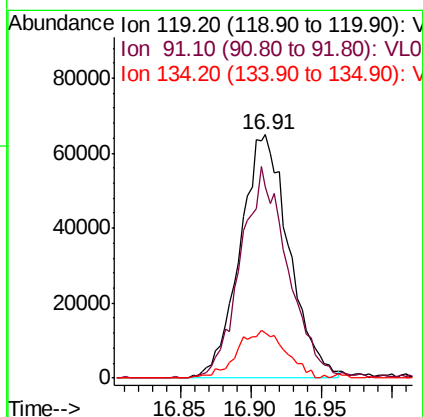
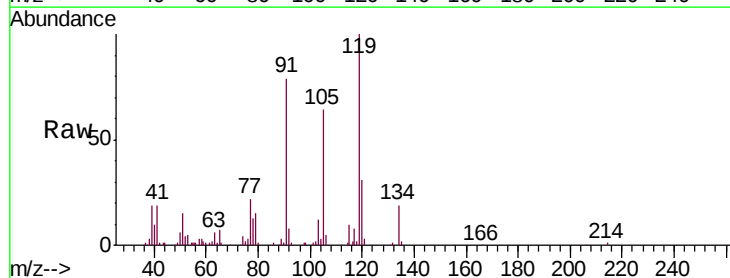
#64
n-propylbenzene
Concen: 0.173 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

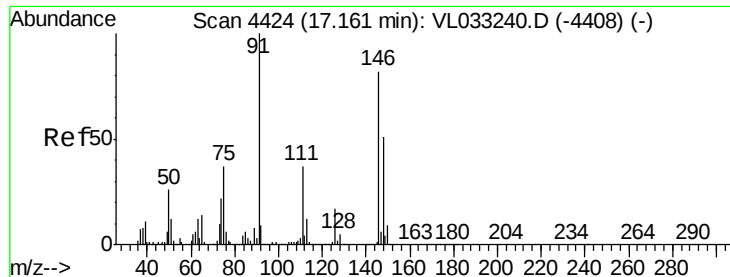
Tgt Ion:120 Resp: 18812
Ion Ratio Lower Upper
120 100
91 1207.8 392.2 588.4#



#65
tert-Butylbenzene
Concen: 0.420 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

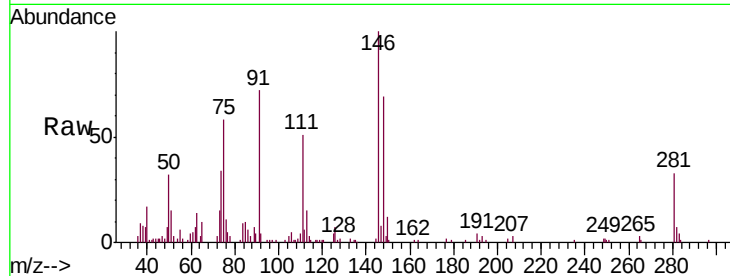
Tgt Ion:119 Resp: 157431
Ion Ratio Lower Upper
119 100
91 84.1 67.0 100.4
134 19.5 15.4 23.2



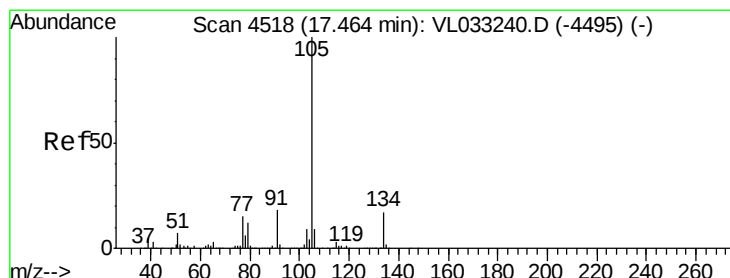
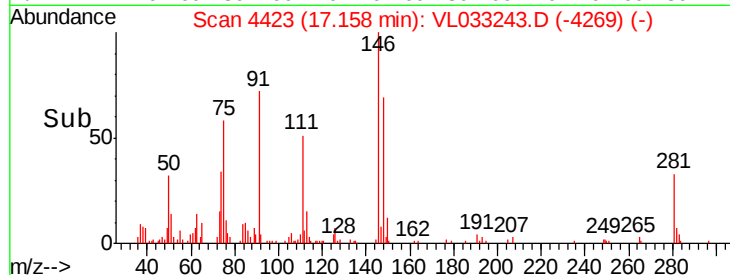
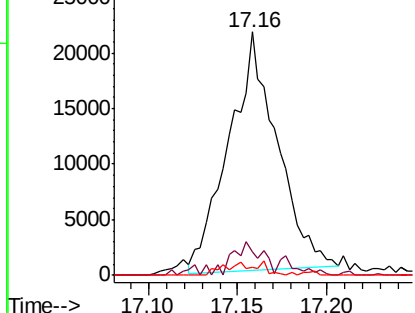


#66
Benzyl Chloride
Concen: 0.309 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 91 Resp: 40560
Ion Ratio Lower Upper
91 100
126 13.0 13.4 20.0#
128 4.2 4.2 6.2

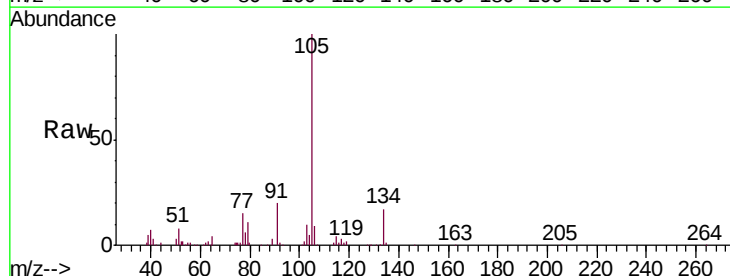


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

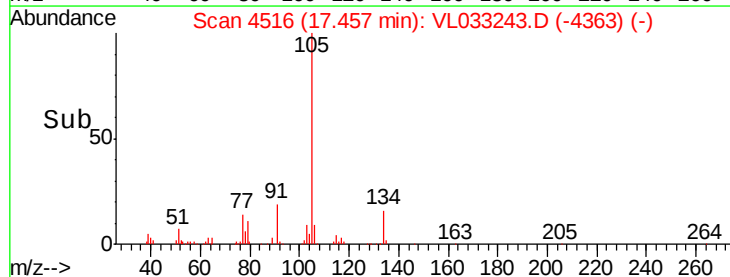
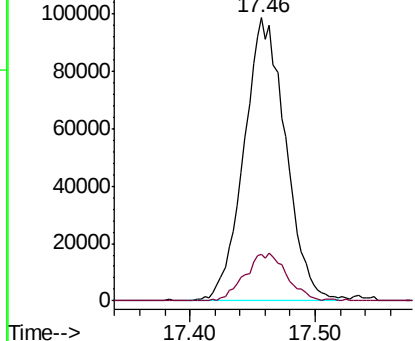


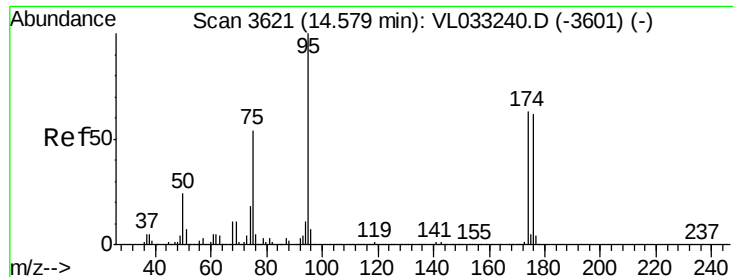
#67
sec-Butylbenzene
Concen: 0.420 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 105 Resp: 227985
Ion Ratio Lower Upper
105 100
134 16.9 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.099 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

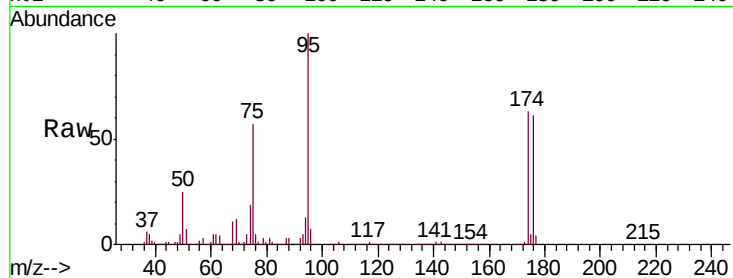
Tgt Ion: 95 Resp: 1821618

Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.4

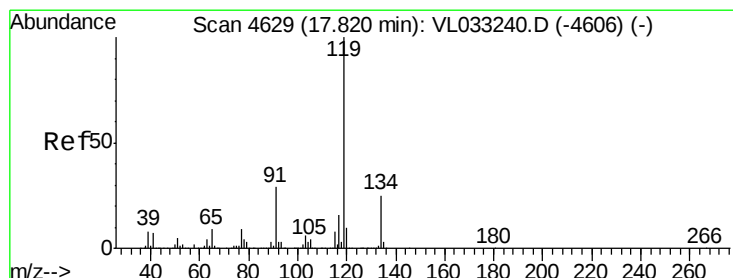
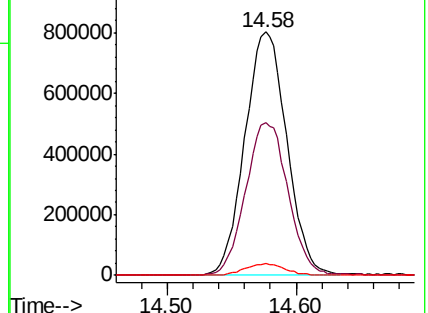
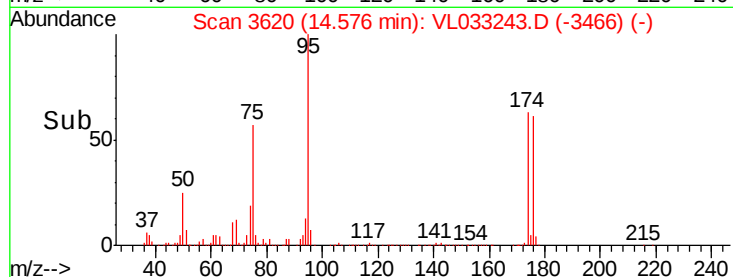
175 4.5 3.8 5.6



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: 0.394 ppbv

RT: 17.82 min Scan# 4628

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

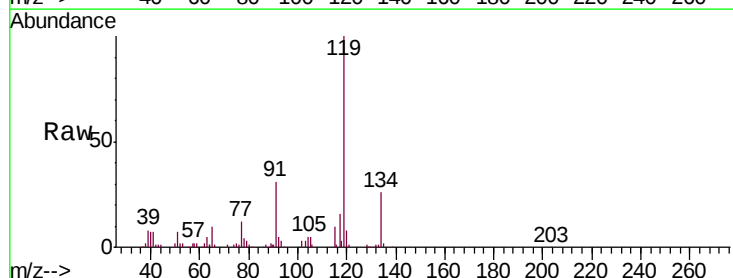
Tgt Ion: 119 Resp: 177851

Ion Ratio Lower Upper

119 100

134 25.0 19.9 29.9

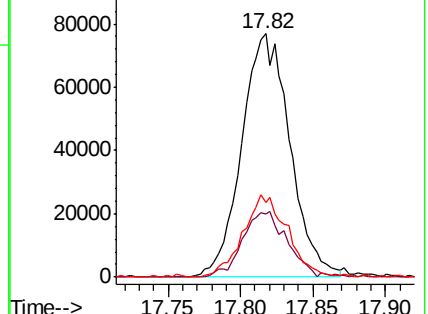
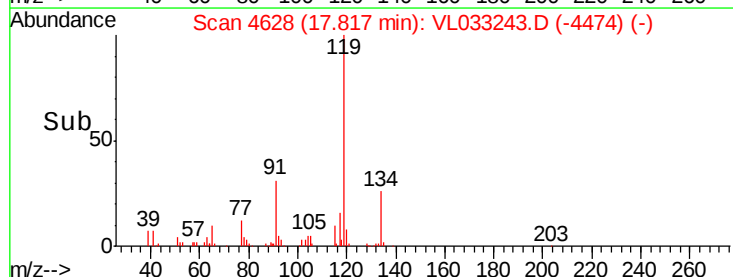
91 31.5 23.9 35.9

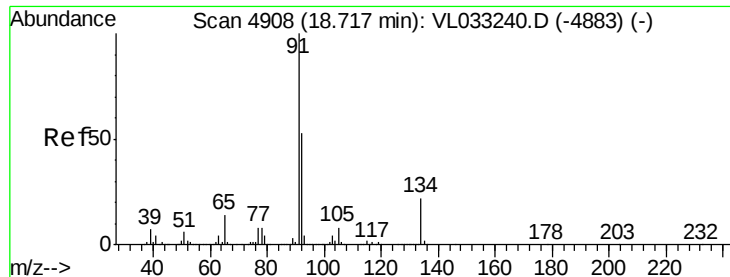


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

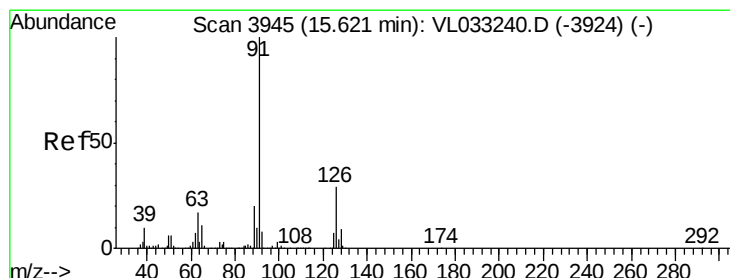
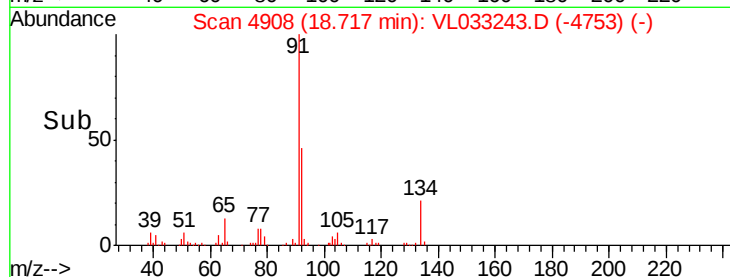
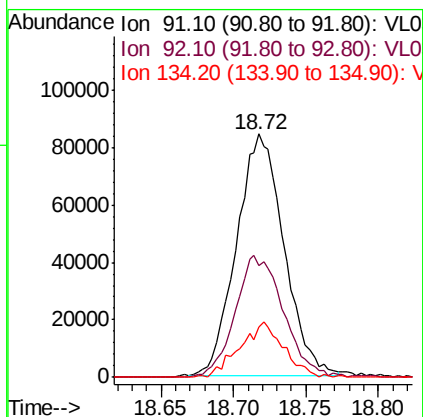
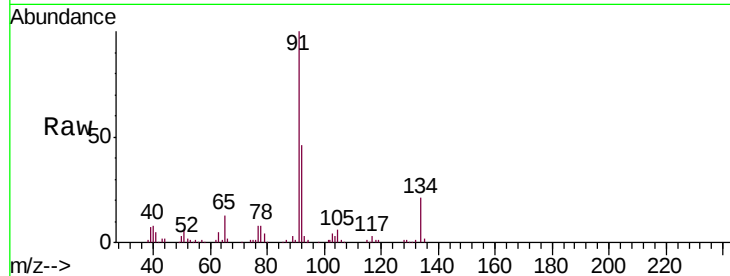
Ion 91.10 (90.80 to 91.80): VL0





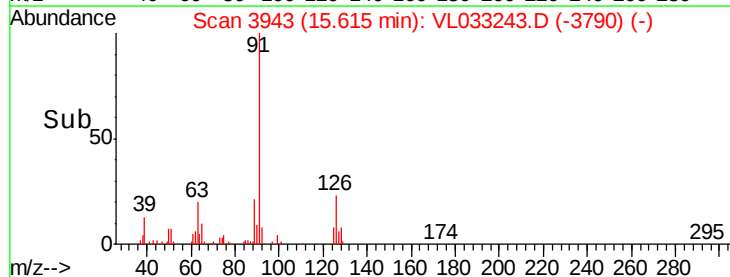
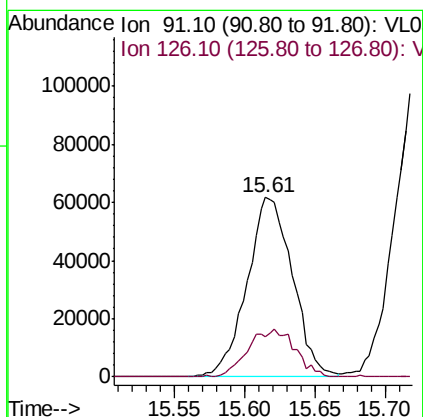
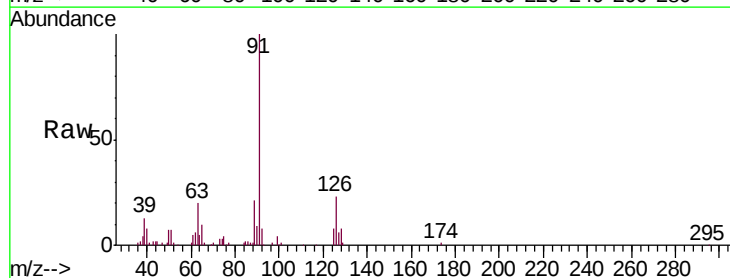
#70
n-Butylbenzene
Concen: 0.391 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

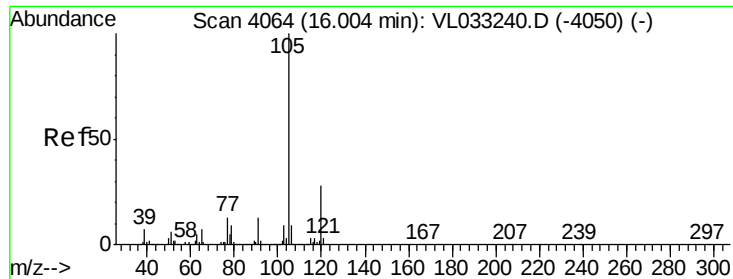
Tgt Ion: 91 Resp: 191128
Ion Ratio Lower Upper
91 100
92 51.7 42.4 63.6
134 21.3 17.3 25.9



#71
2-Chlorotoluene
Concen: 0.412 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 91 Resp: 139083
Ion Ratio Lower Upper
91 100
126 27.7 11.6 46.2





#72

4-Ethyltoluene

Concen: 0.388 ppbv

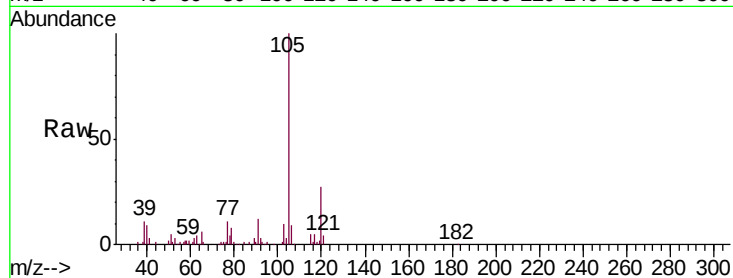
RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

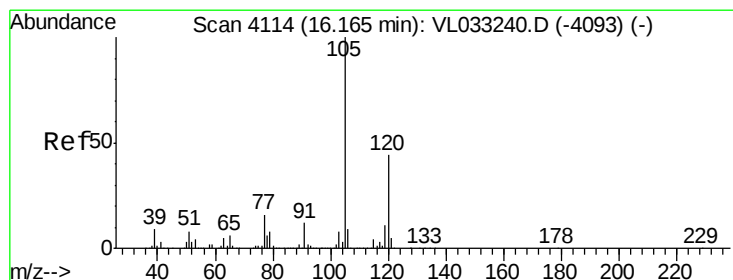
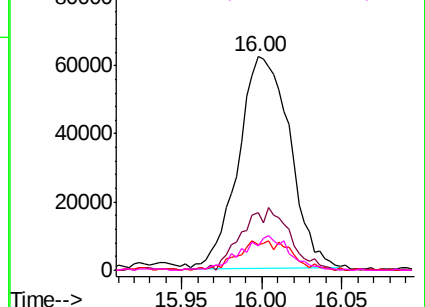
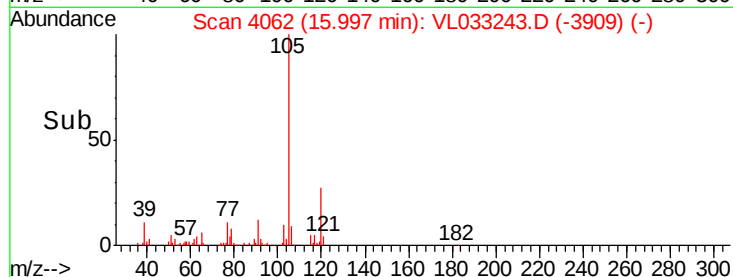
Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	105	Resp:	136034
Ion Ratio	Lower	Upper	
105	100		
120	28.2	22.3	33.5
91	14.4	10.3	15.5
77	15.4	11.3	16.9



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.394 ppbv

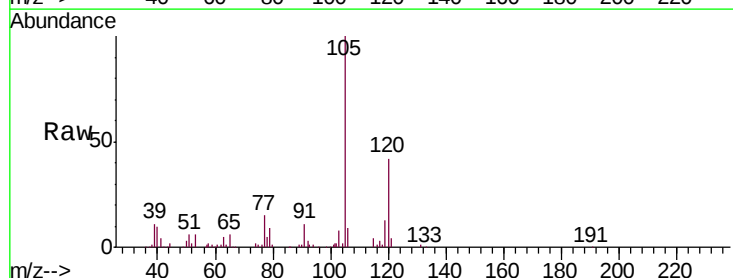
RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

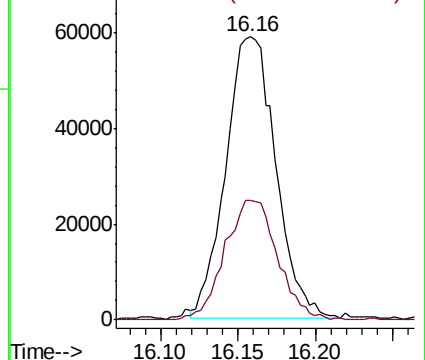
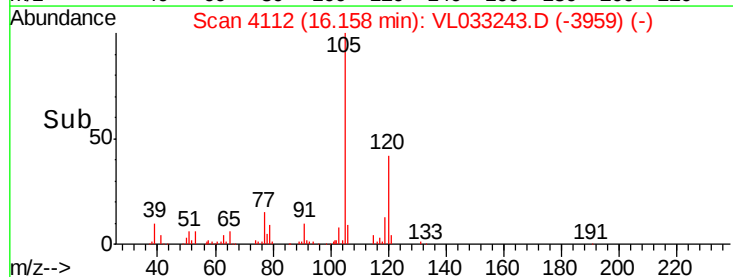
Lab File: VL033243.D

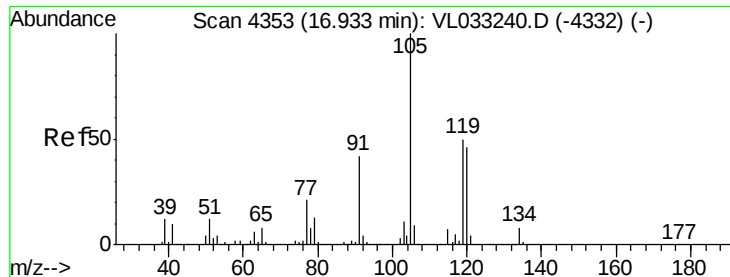
Acq: 6 Mar 2019 3:55

Tgt Ion:	105	Resp:	132066
Ion Ratio	Lower	Upper	
105	100		
120	41.7	35.0	52.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

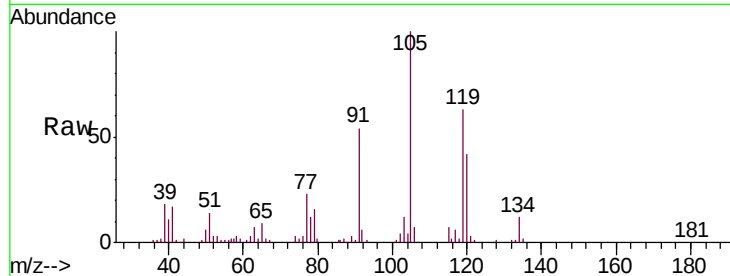




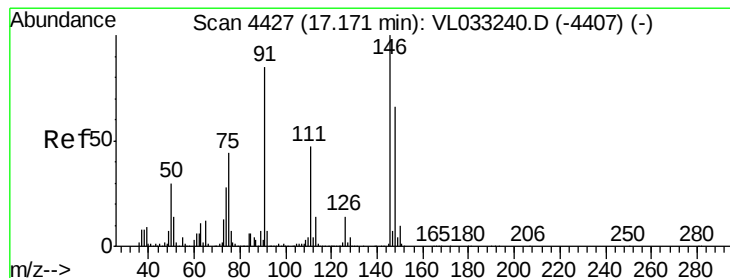
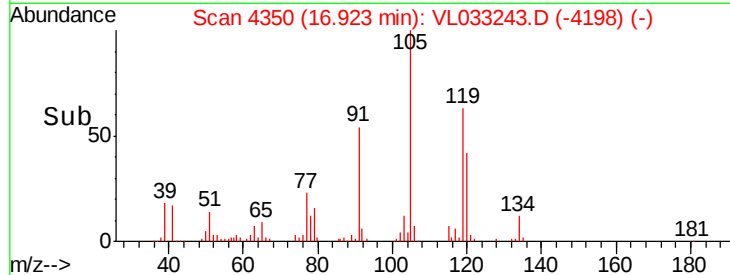
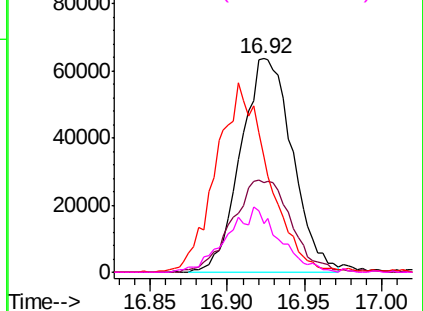
#74

1,2,4-Trimethylbenzene
Concen: 0.423 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:	105	Resp:	147452
Ion Ratio	Lower	Upper	
105	100		
120	40.5	36.5	54.7
91	52.5	34.4	51.6#
77	22.9	17.0	25.4



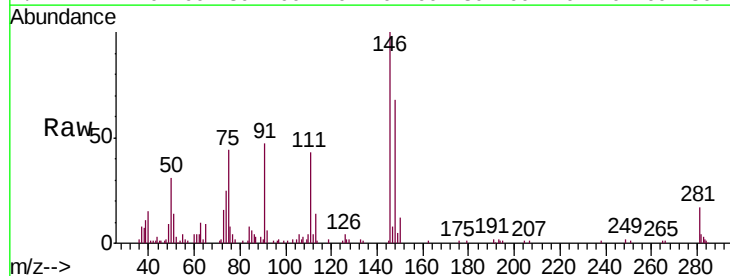
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



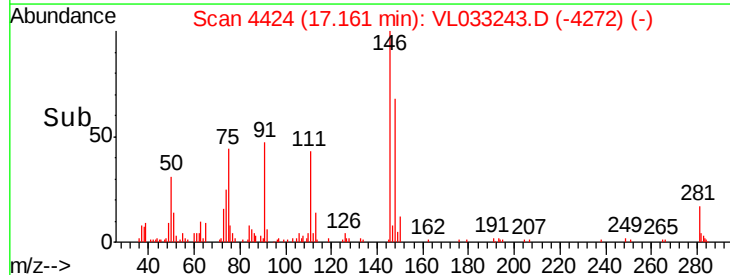
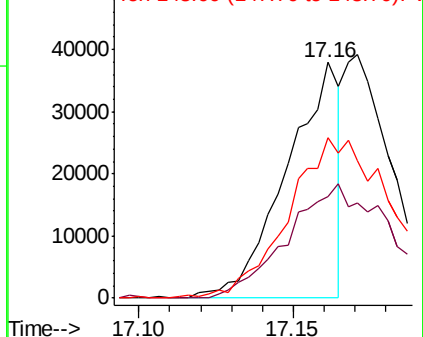
#75

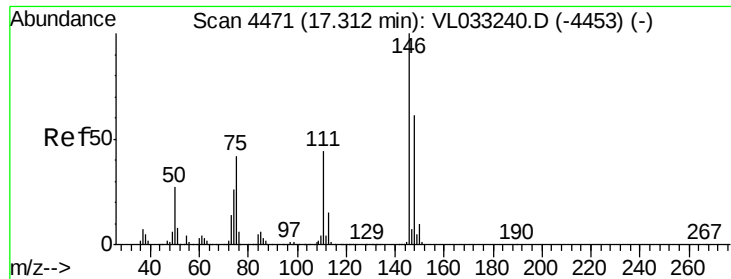
1,3-Dichlorobenzene
Concen: 0.224 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:	146	Resp:	44960
Ion Ratio	Lower	Upper	
146	100		
111	94.9	23.4	70.0#
148	133.8	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: 0.434 ppbv

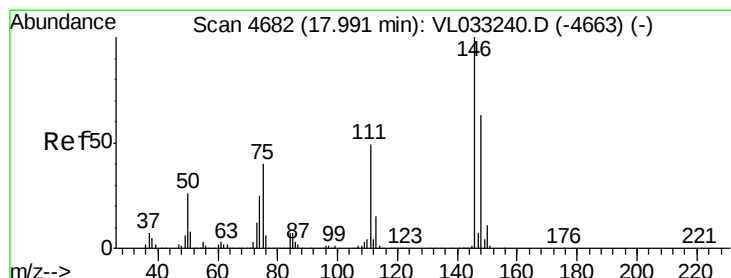
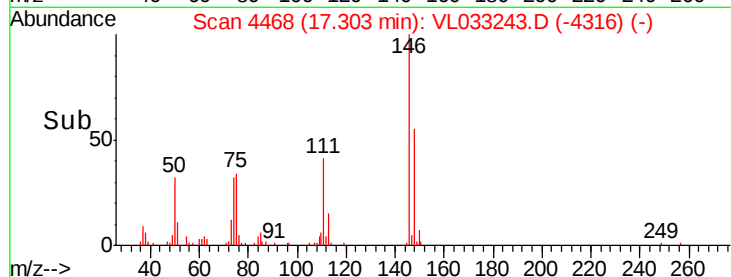
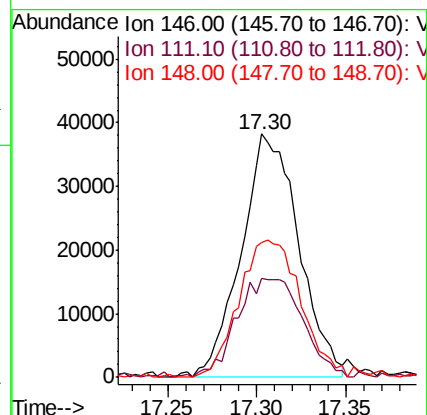
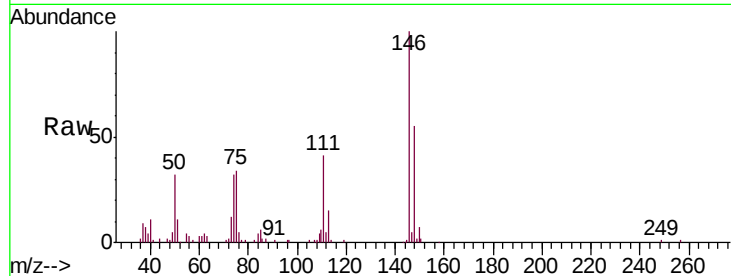
RT: 17.30 min Scan# 4468

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	146	Resp:	86055
Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.4	67.3
148	61.9	32.1	96.3



#77

1,2-Dichlorobenzene

Concen: 0.200 ppbv

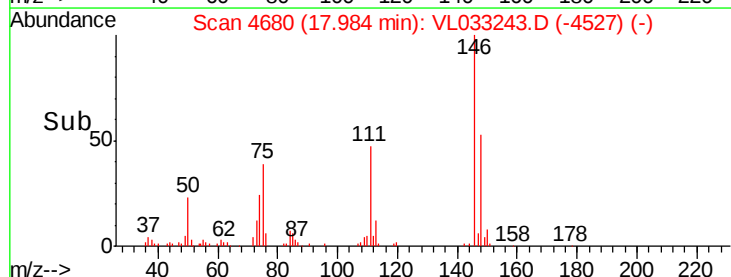
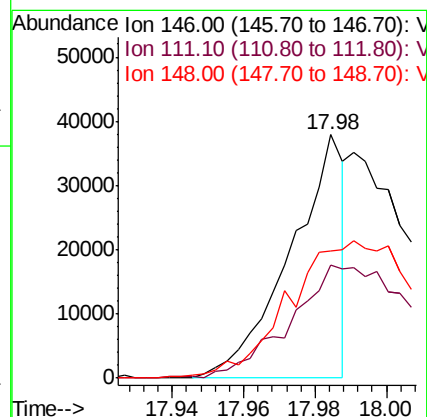
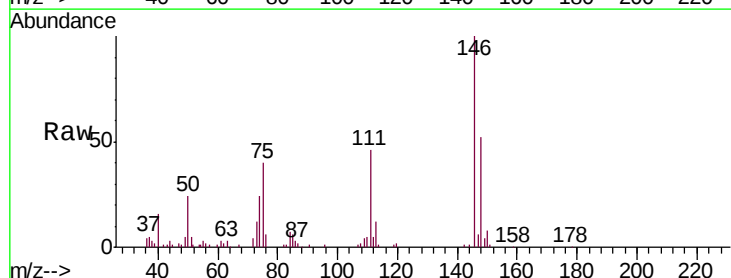
RT: 17.98 min Scan# 4680

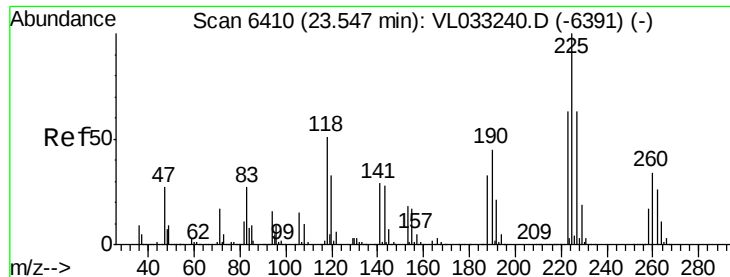
Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:	146	Resp:	39598
Ion	Ratio	Lower	Upper
146	100		
111	104.9	23.6	71.0#
148	0.0	32.3	96.9#

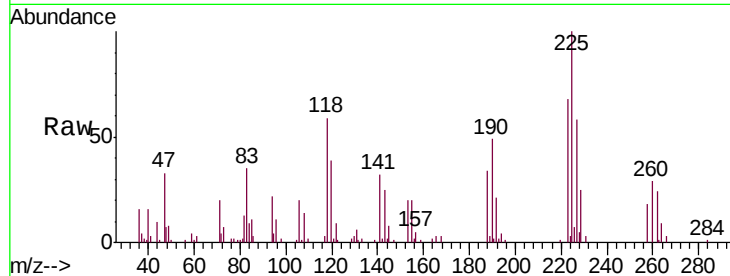




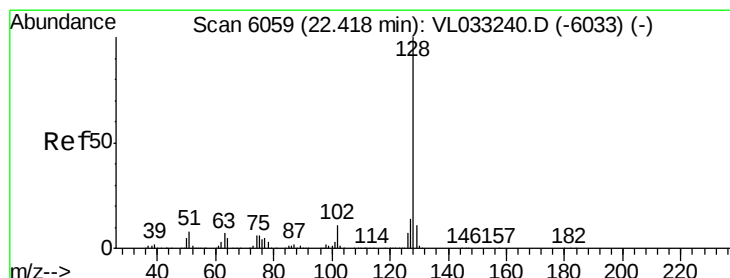
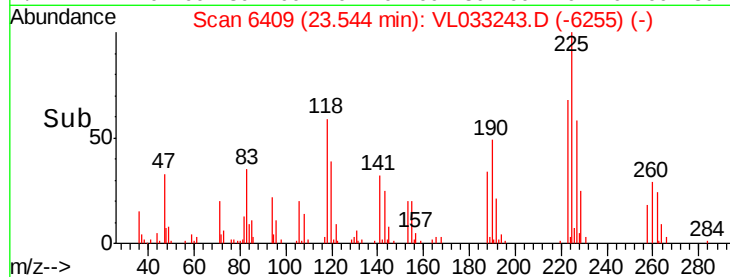
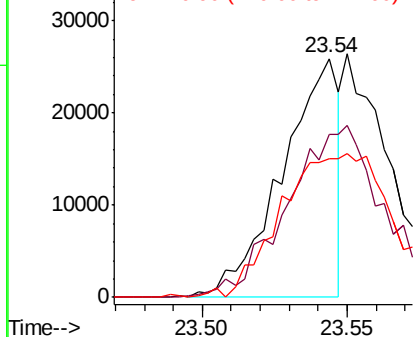
#78

Hexachloro-1,3-Butadiene
 Concen: 0.332 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.9	76.3#
227	0.0	50.7	76.1#



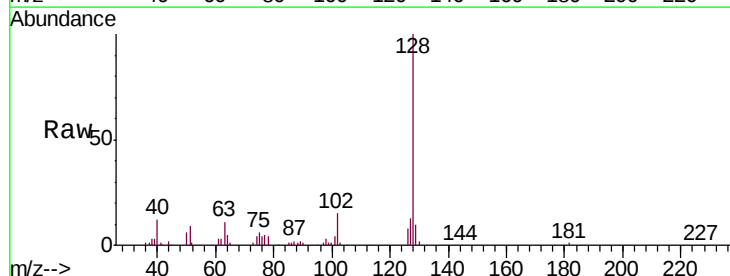
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



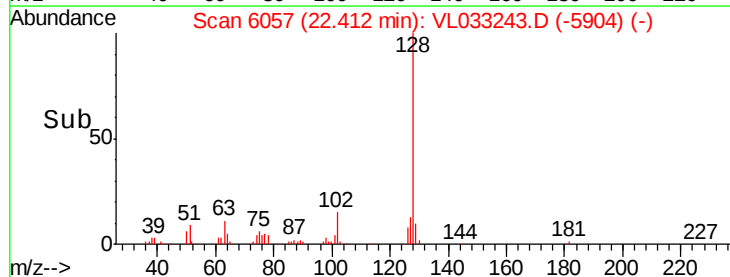
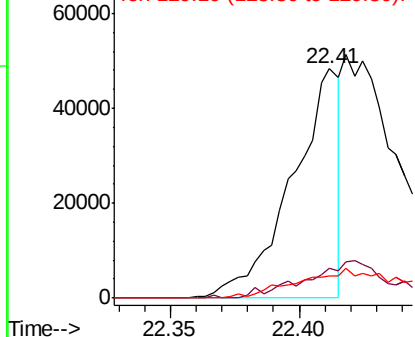
#79

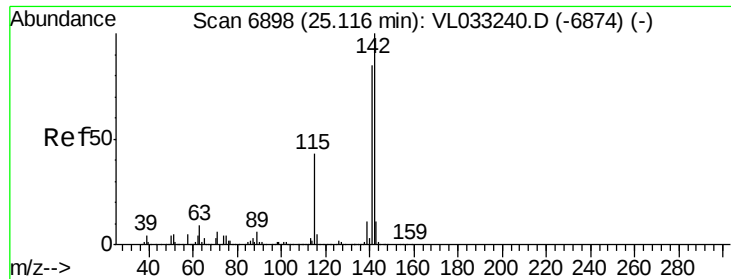
Naphthalene
 Concen: 0.156 ppbv
 RT: 22.41 min Scan# 6057
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	9.7	8.6	13.0



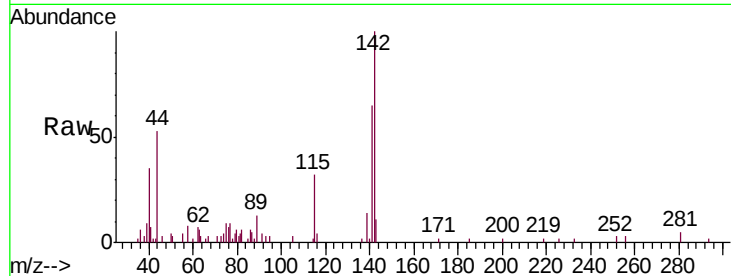
Abundance Ion 128.10 (127.80 to 128.80): V
 Ion 127.10 (126.80 to 127.80): V
 Ion 129.10 (128.80 to 129.80): V



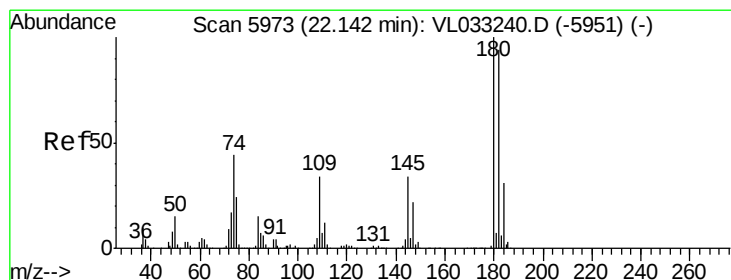
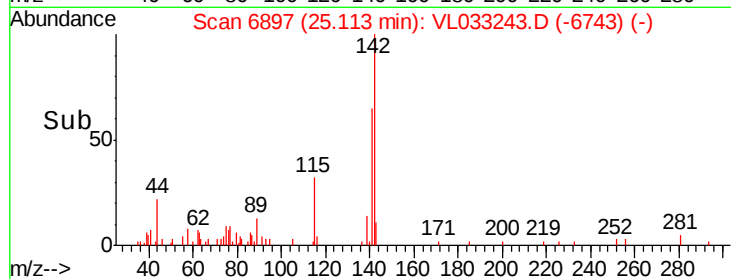
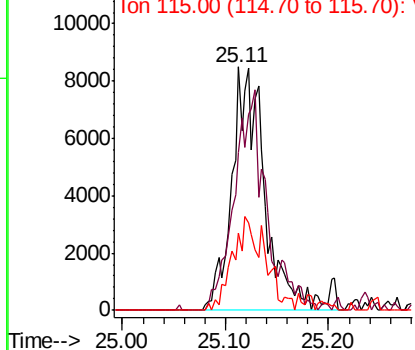


#80
Naphthalene, 2-methyl-
Concen: 0.097 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:142 Resp: 19193
Ion Ratio Lower Upper
142 100
141 86.6 68.0 102.0
115 36.4 34.1 51.1

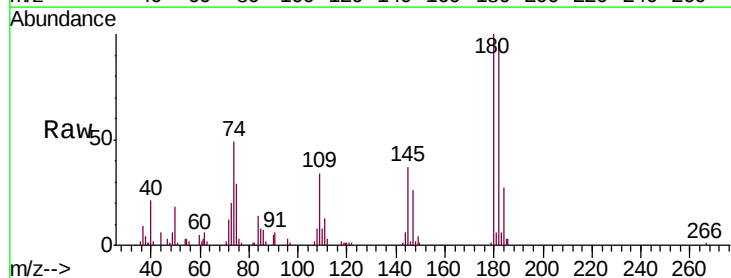


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81
1,2,4-Trichlorobenzene
Concen: 0.161 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:180 Resp: 31977
Ion Ratio Lower Upper
180 100
182 0.0 76.6 114.8#
184 0.0 24.3 36.5#



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

