

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 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 08:44:30 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					Ovalue
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	3.61	64	12903m	0.559	ppbv
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	11719m	0.564	ppbv
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	4.38	59	12299m	0.531	ppbv
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	5.79	57	62362m	0.485	ppbv
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	44352m	0.385	ppbv
31) cis-1,2-Dichloroethene	5.64	61	56253	0.437	ppbv 91
32) 1,1,1-Trichloroethane	6.62	97	85172m	0.391	ppbv
34) 2-Butanone	5.34	43	87024m	0.546	ppbv
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	7.99	88	19194m	0.545	ppbv
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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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019

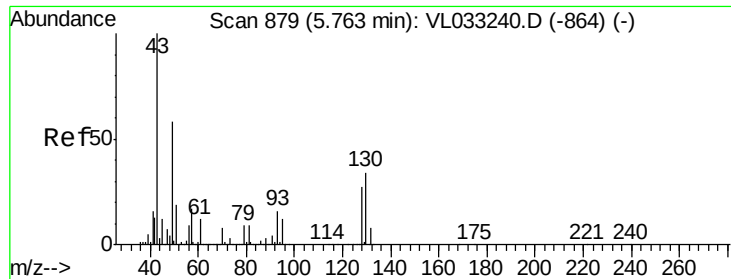
QLast Update : Wed Mar 06 02:40:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	192499m	0.457	ppbv	
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	51043m	0.375	ppbv	
50) 4-Methyl-2-Pentanone	8.89	43	116971m	0.467	ppbv	
51) 2-Hexanone	10.30	43	80407m	0.411	ppbv	
52) Tetrachloroethene	11.38	164	39198m	0.413	ppbv	
53) Toluene	9.95	91	116317	0.398	ppbv	99
54) 1,2-Dibromoethane	10.76	107	67865m	0.429	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.27	131	51869m	0.480	ppbv	
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	279597m	0.884	ppbv	
60) o-Xylene	13.85	91	131573	0.427	ppbv	97
61) Styrene	13.69	104	87010m	0.379	ppbv	
62) Isopropylbenzene	14.83	105	189279	0.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.84	83	94969m	0.396	ppbv	
64) n-propylbenzene	15.72	120	45507m	0.417	ppbv	
65) tert-Butylbenzene	16.91	119	157431	0.420	ppbv	100
66) Benzyl Chloride	17.16	91	43949m	0.335	ppbv	
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	17.17	146	89900m	0.448	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	86055	0.434	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	84840m	0.428	ppbv	
78) Hexachloro-1,3-Butadiene	23.55	225	64916m	0.618	ppbv	
79) Naphthalene	22.42	128	140781m	0.355	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	19193	0.097	ppbv	96
81) 1,2,4-Trichlorobenzene	22.14	180	80972m	0.408	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

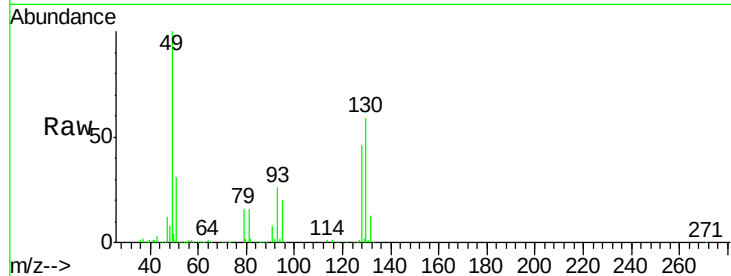
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tot Ion: 49 Resp: 1083497

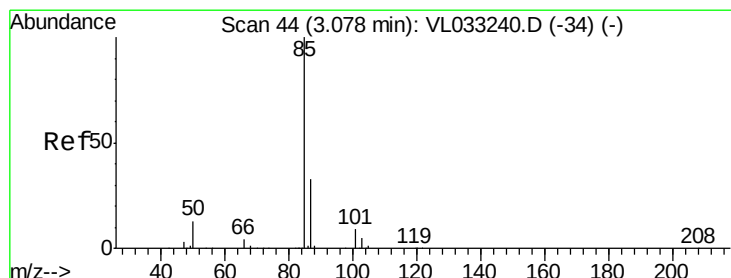
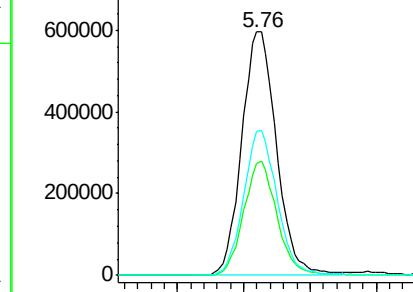
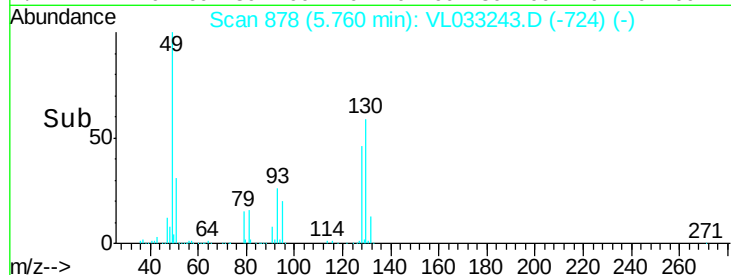
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.9	68.8
130	58.2	29.3	88.0



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



#2

Dichlorodifluoromethane

Concen: 0.532 ppbv

RT: 3.08 min Scan# 44

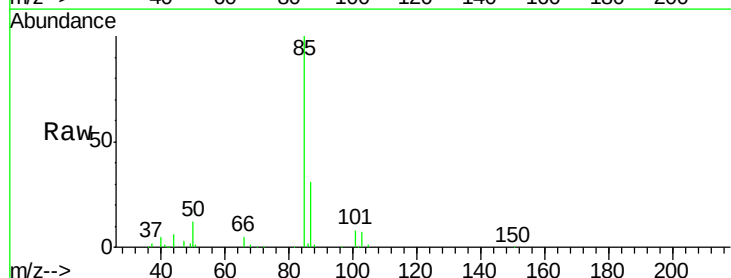
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

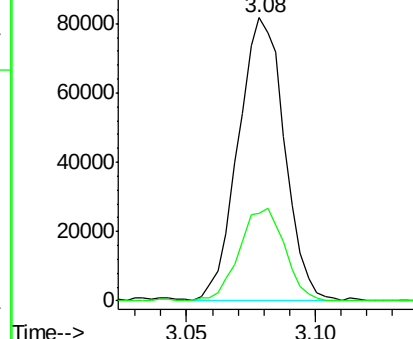
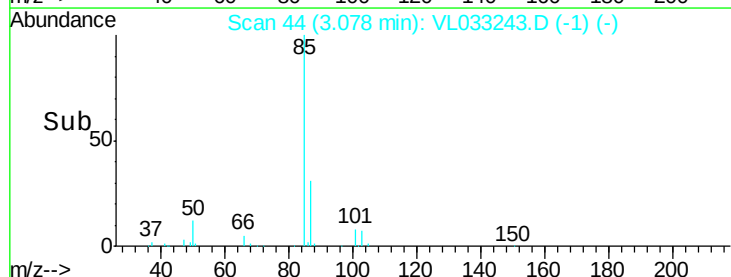
Tgt Ion: 85 Resp: 102040

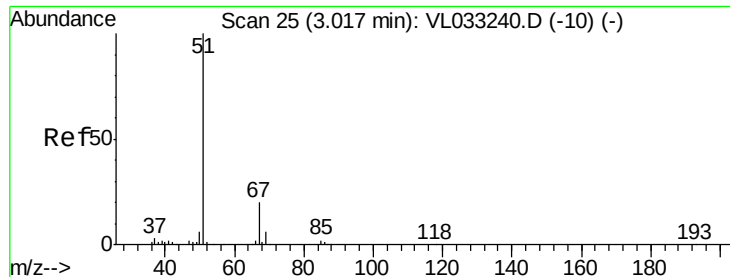
Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.475 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033243.D

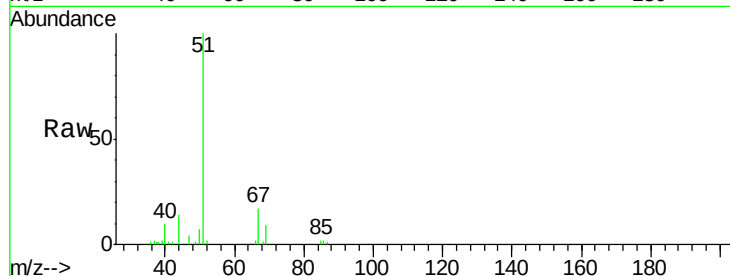
Acq: 6 Mar 2019 3:55

Tot Ion: 51 Resp: 60671

Ion Ratio Lower Upper

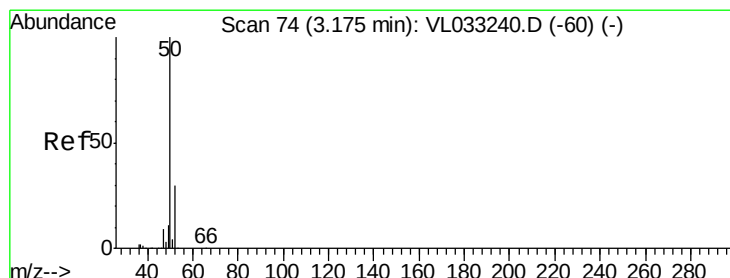
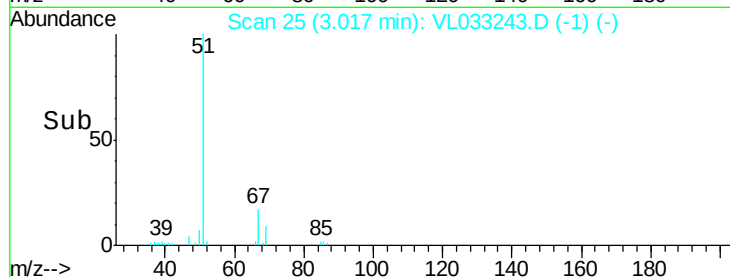
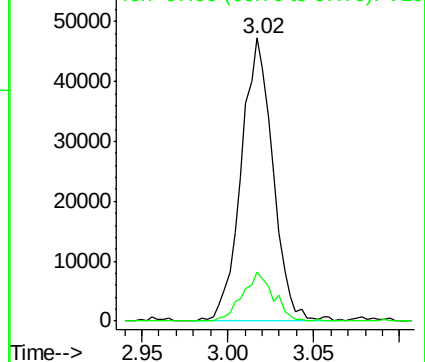
51 100

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

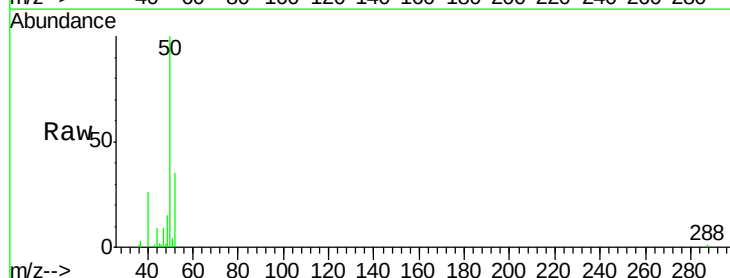
Acq: 6 Mar 2019 3:55

Tgt Ion: 50 Resp: 31330

Ion Ratio Lower Upper

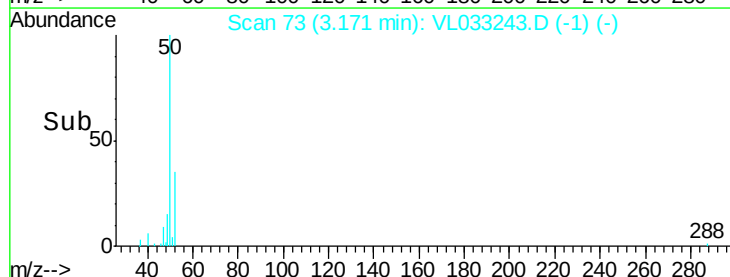
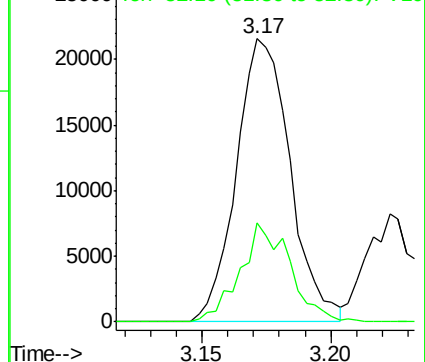
50 100

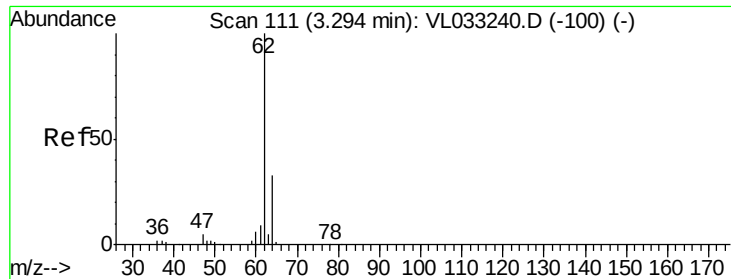
52 34.9 24.3 36.5



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

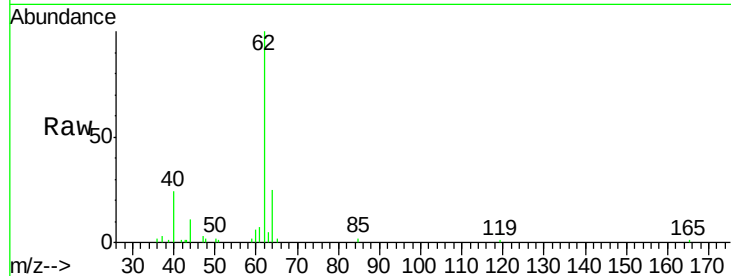
Acq: 6 Mar 2019 3:55

Tot Ion: 62 Resp: 29572

Ion Ratio Lower Upper

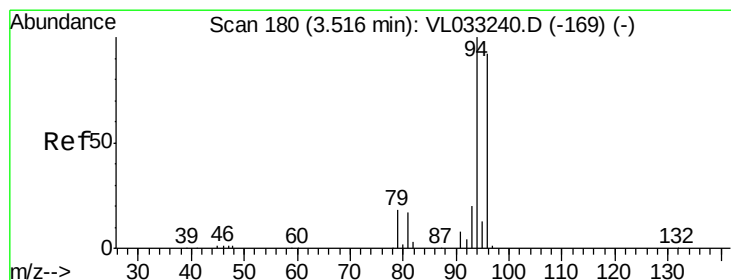
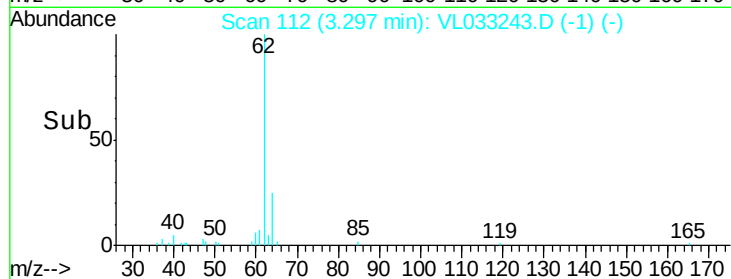
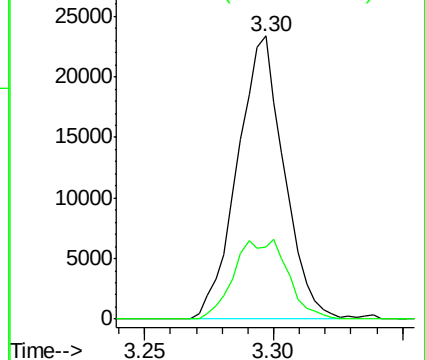
62 100

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

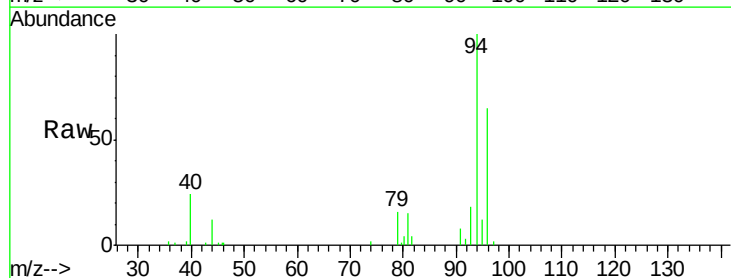
Acq: 6 Mar 2019 3:55

Tgt Ion: 94 Resp: 22559

Ion Ratio Lower Upper

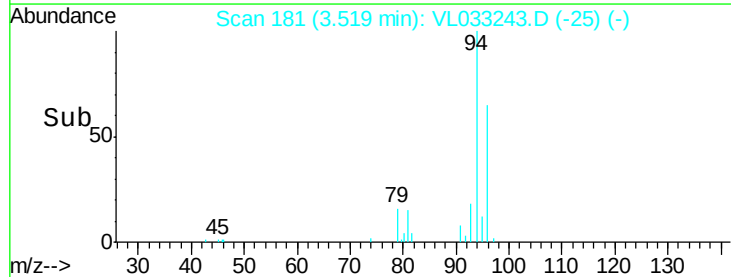
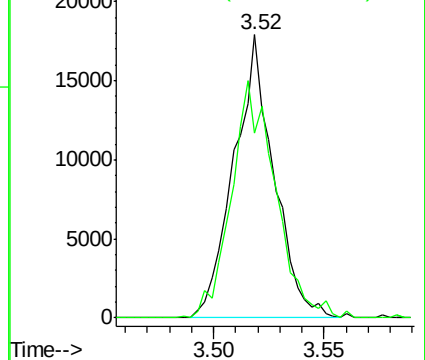
94 100

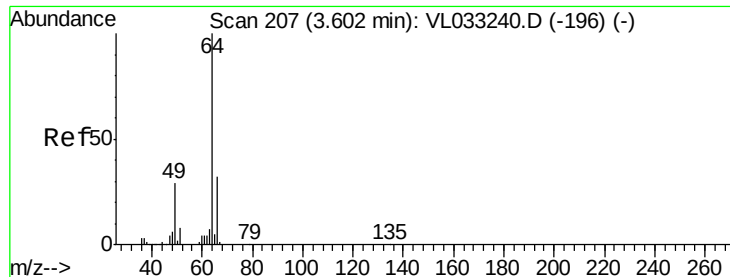
96 65.4 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.559 ppbv m

RT: 3.61 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL033243.D

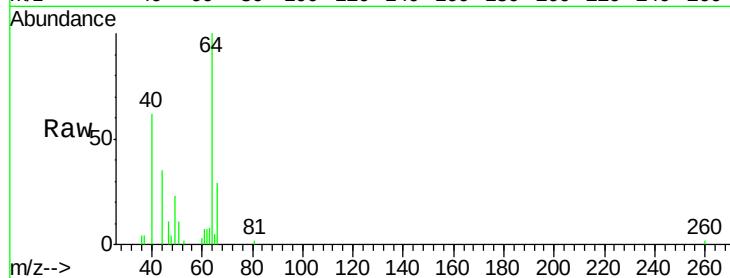
Acq: 6 Mar 2019 3:55

Tot Ion: 64 Resp: 12903

Ion Ratio Lower Upper

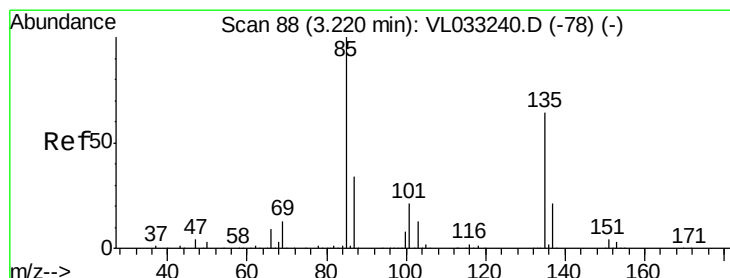
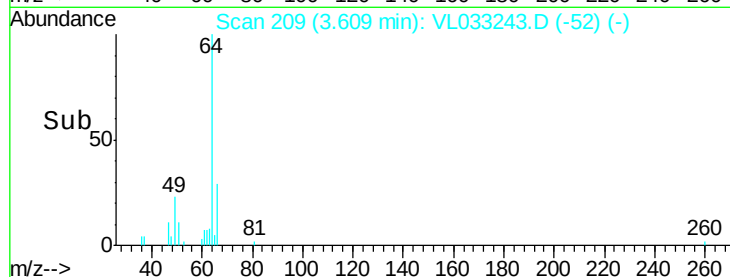
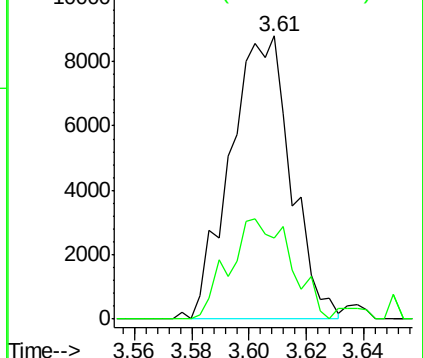
64 100

66 28.6 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

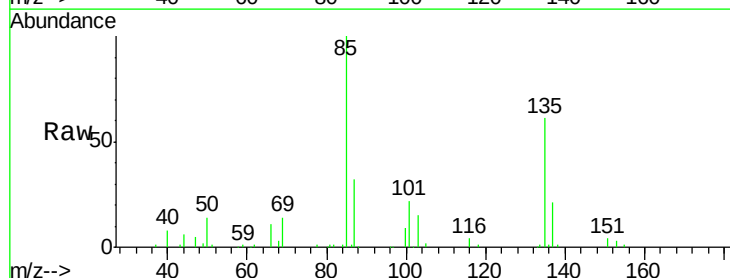
Acq: 6 Mar 2019 3:55

Tgt Ion: 85 Resp: 77677

Ion Ratio Lower Upper

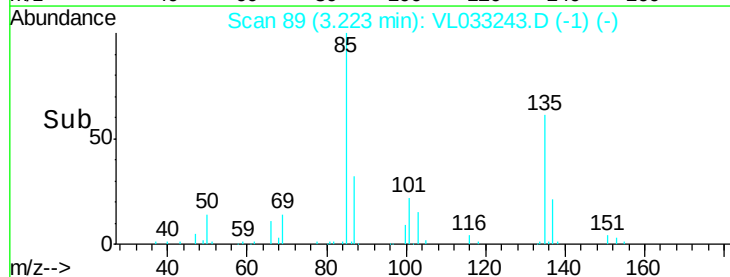
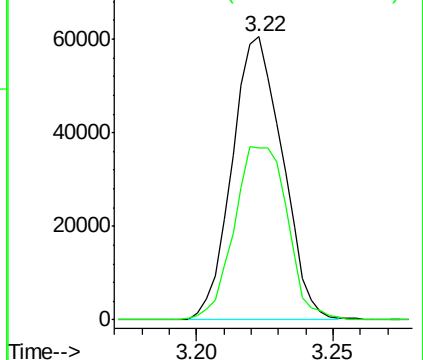
85 100

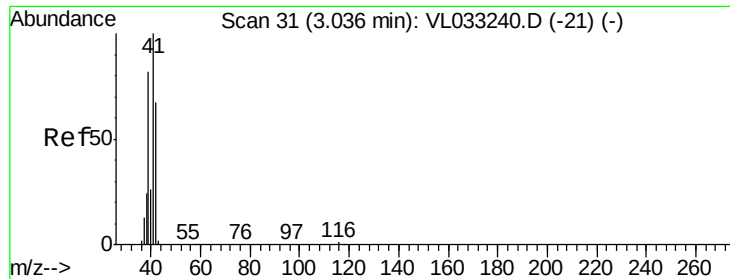
135 64.6 52.6 79.0



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

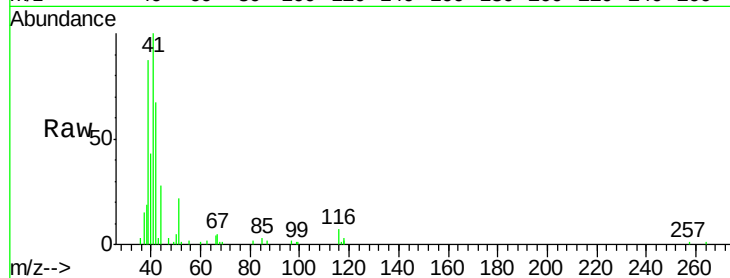
Acq: 6 Mar 2019 3:55

Tot Ion: 41 Resp: 25752

Ion Ratio Lower Upper

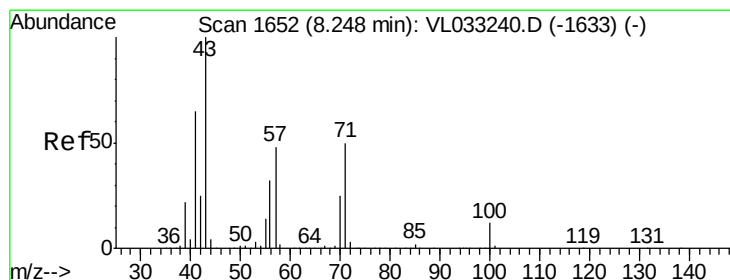
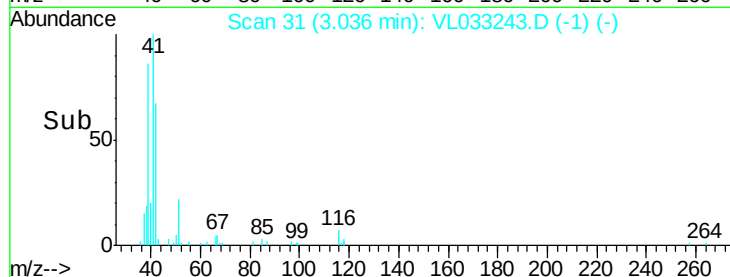
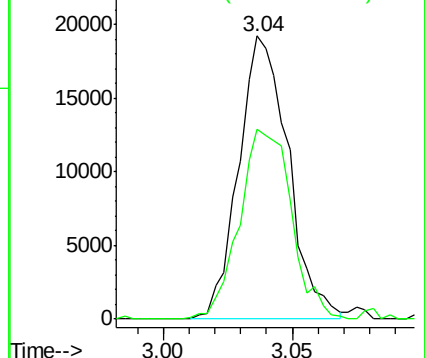
41 100

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



#10

Heptane

Concen: 0.364 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033243.D

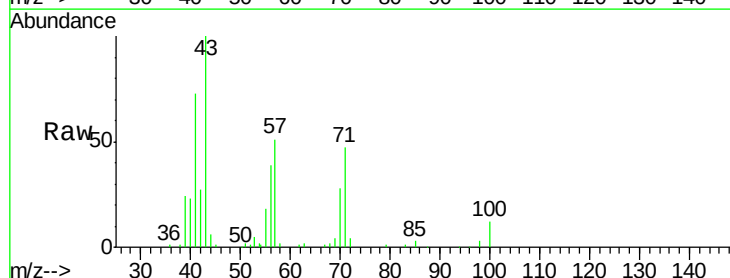
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 67459

Ion Ratio Lower Upper

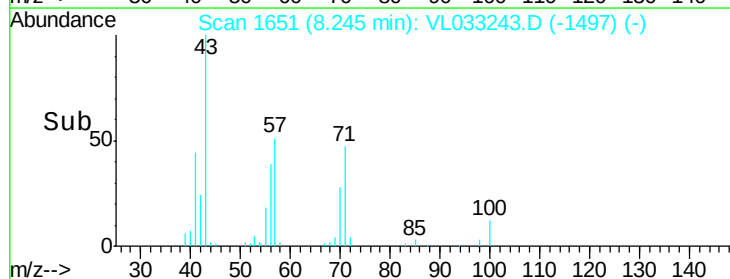
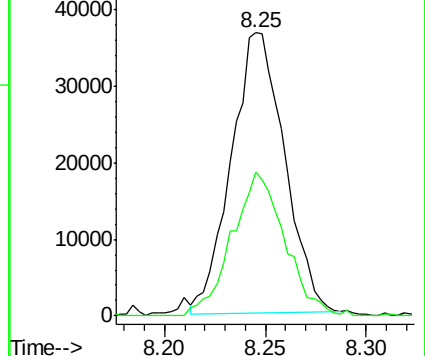
43 100

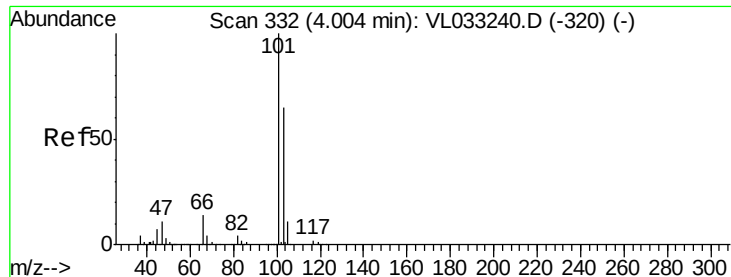
57 51.0 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.592 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033243.D

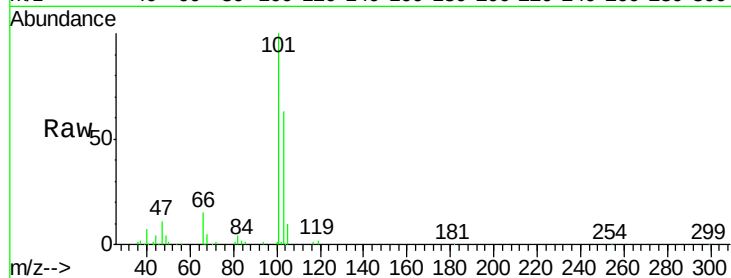
Acq: 6 Mar 2019 3:55

Tot Ion:101 Resp: 98028

Ion Ratio Lower Upper

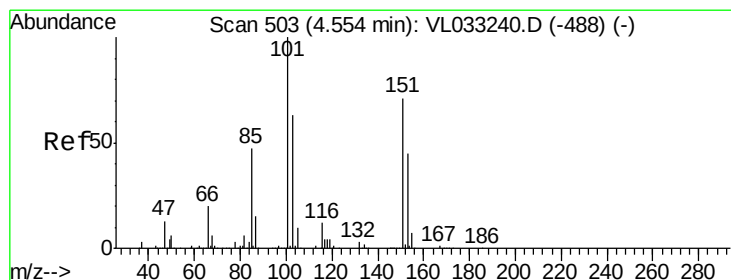
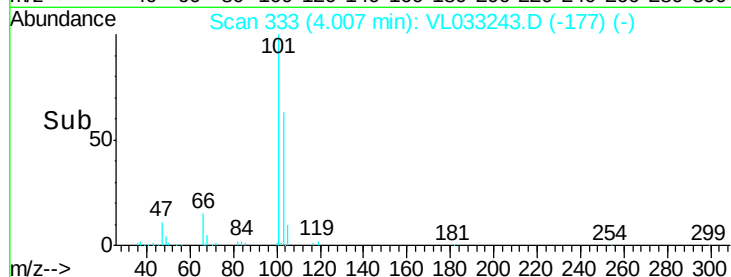
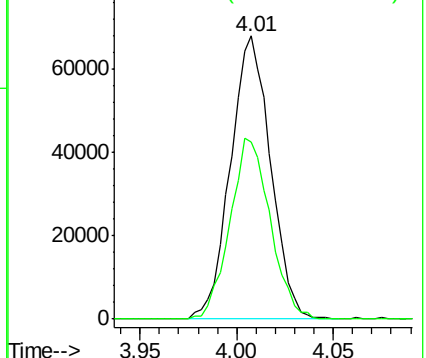
101 100

103 62.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.530 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL033243.D

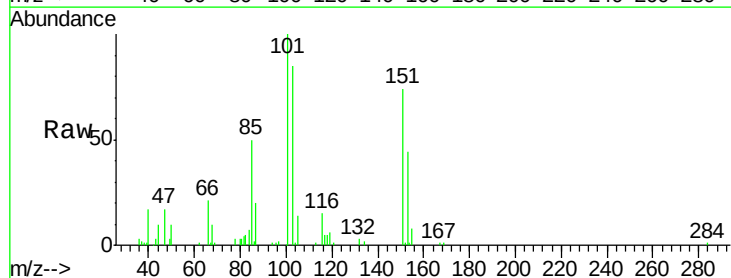
Acq: 6 Mar 2019 3:55

Tgt Ion:101 Resp: 60545

Ion Ratio Lower Upper

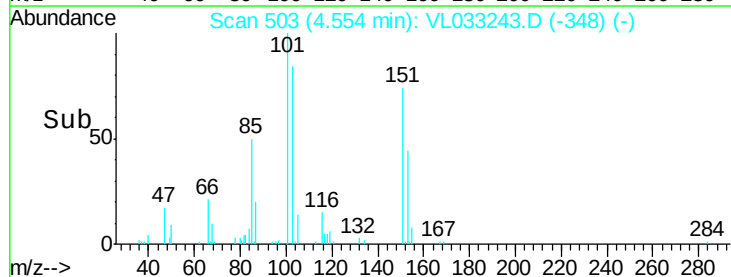
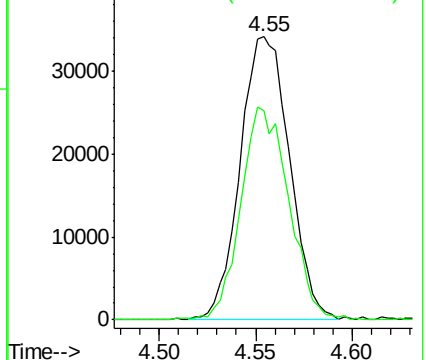
101 100

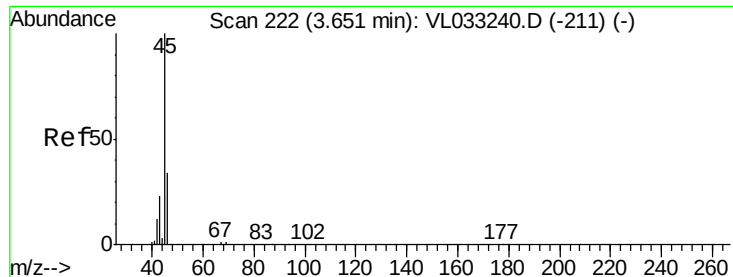
151 73.2 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.564 ppbv m

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033243.D

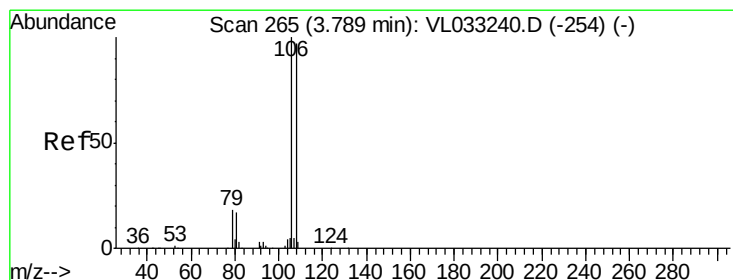
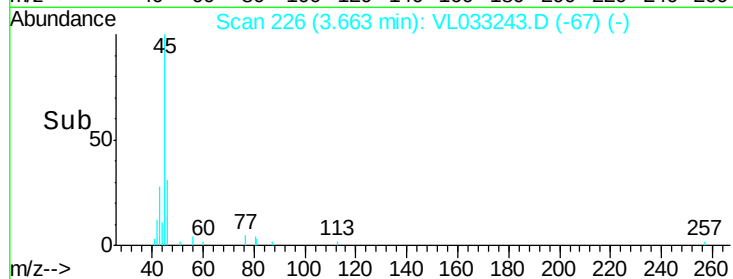
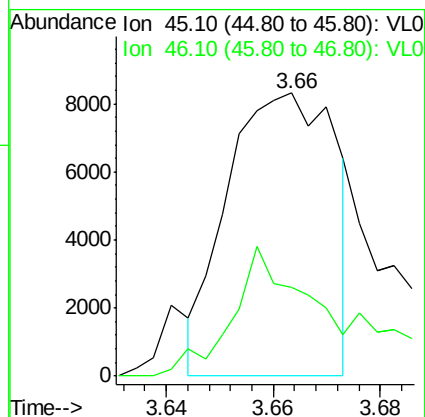
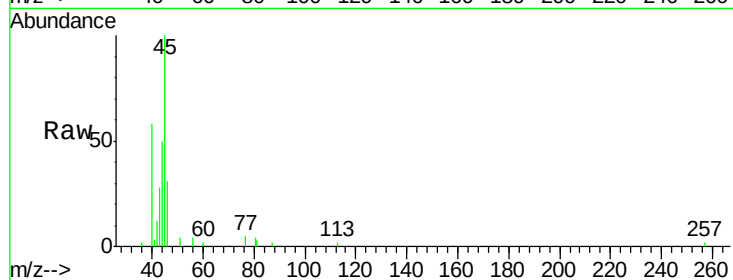
Acq: 6 Mar 2019 3:55

Tot Ion: 45 Resp: 11719

Ion Ratio Lower Upper

45 100

46 45.1 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

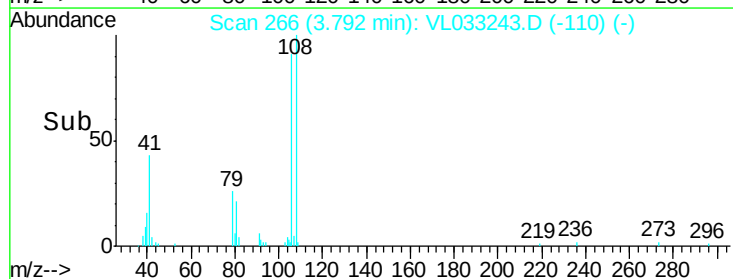
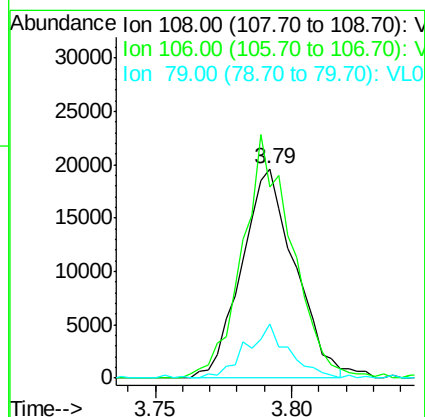
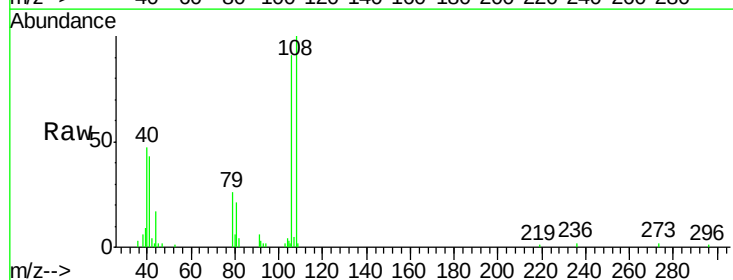
Tgt Ion: 108 Resp: 26604

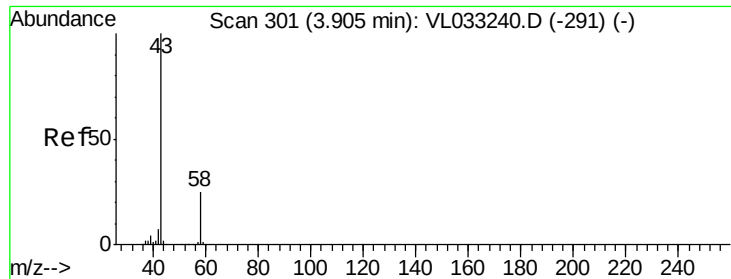
Ion Ratio Lower Upper

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

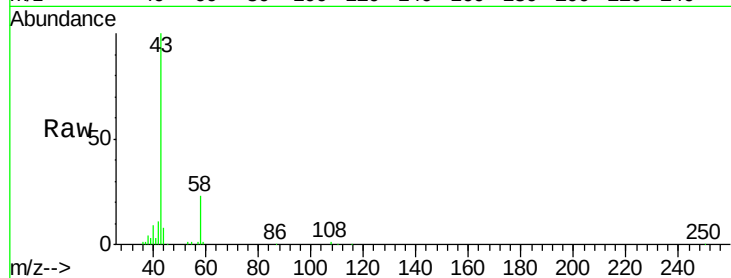
Acq: 6 Mar 2019 3:55

Tot Ion: 43 Resp: 87921

Ion Ratio Lower Upper

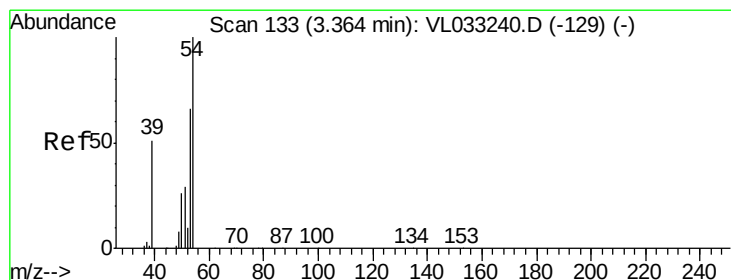
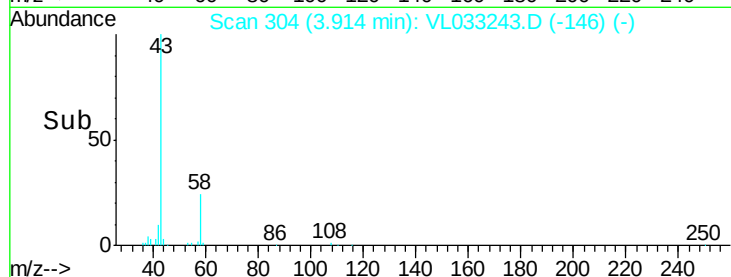
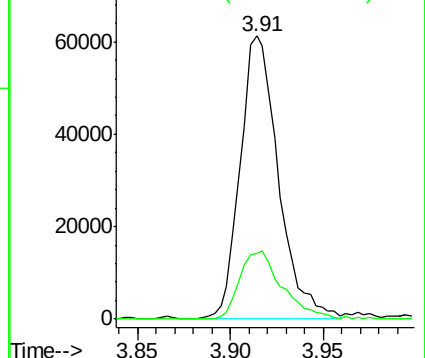
43 100

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

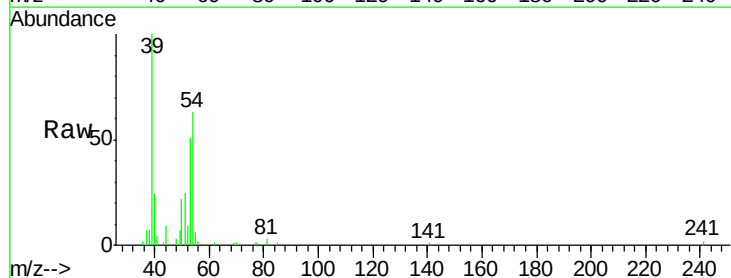
Acq: 6 Mar 2019 3:55

Tgt Ion: 39 Resp: 31998

Ion Ratio Lower Upper

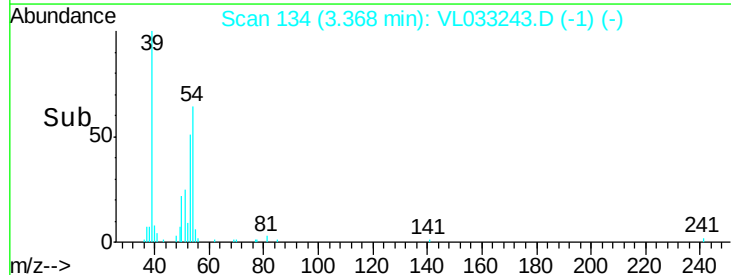
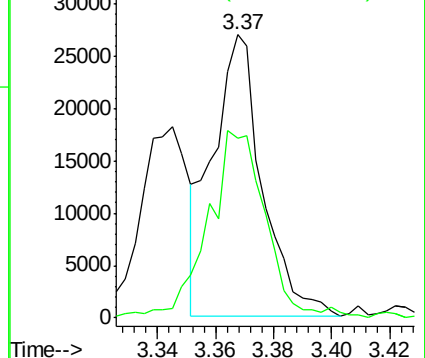
39 100

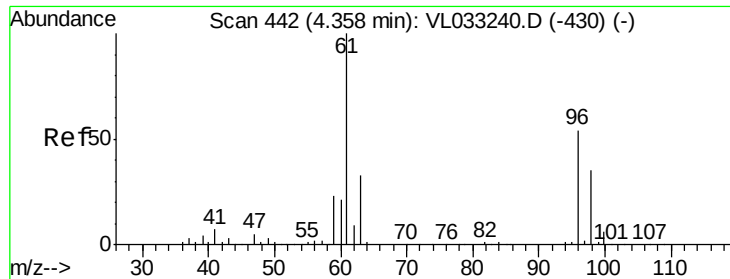
54 77.2 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

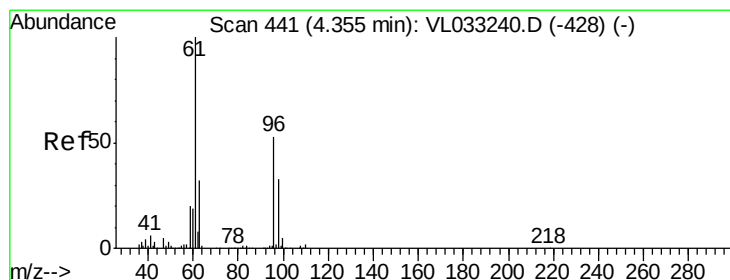
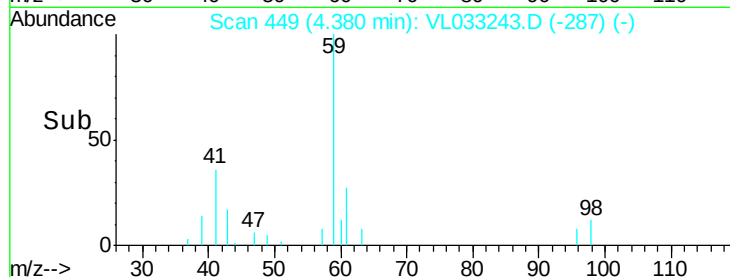
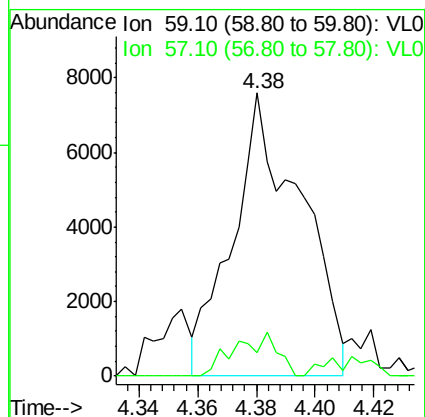
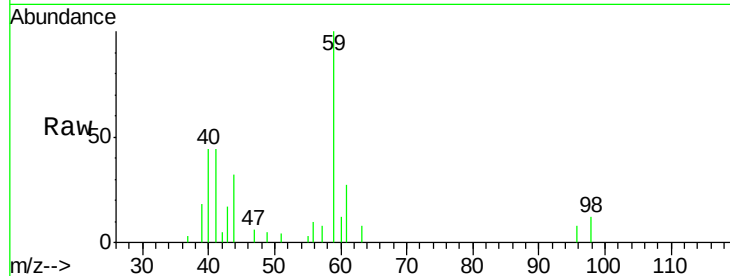




#17

tert-Butyl alcohol
 Concen: 0.531 ppbv m
 RT: 4.38 min Scan# 449
 Delta R.T. 0.02 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

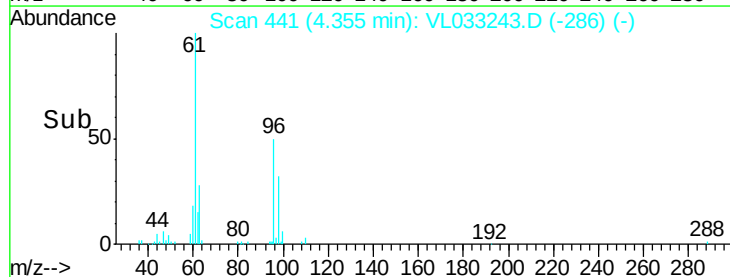
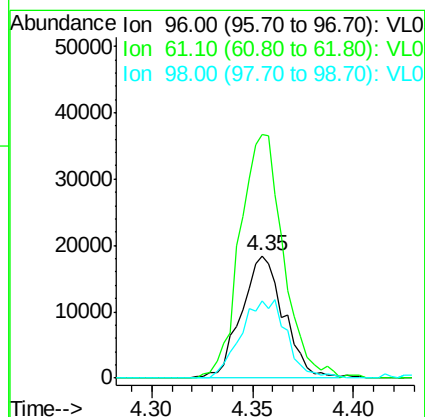
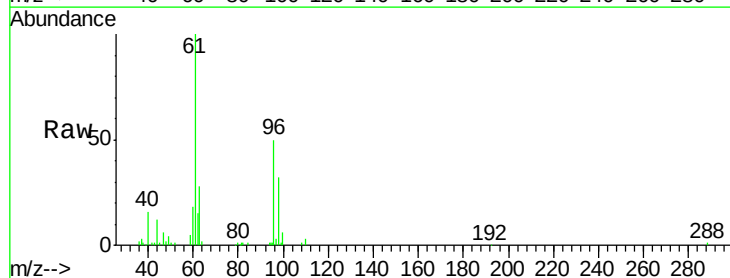
Tot Ion: 59 Resp: 12299
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

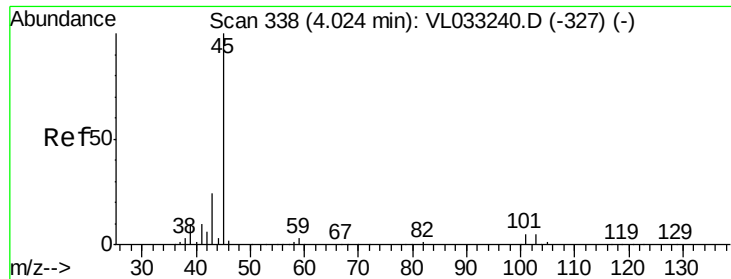


#18

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

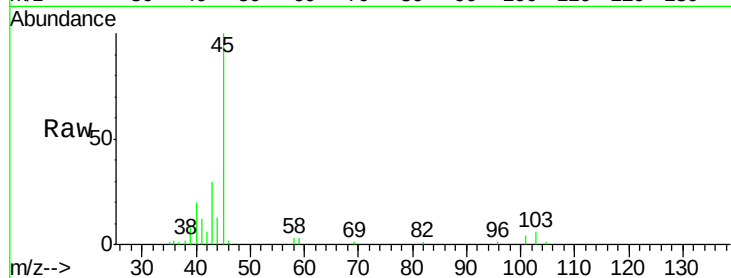
Acq: 6 Mar 2019 3:55

Tot 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

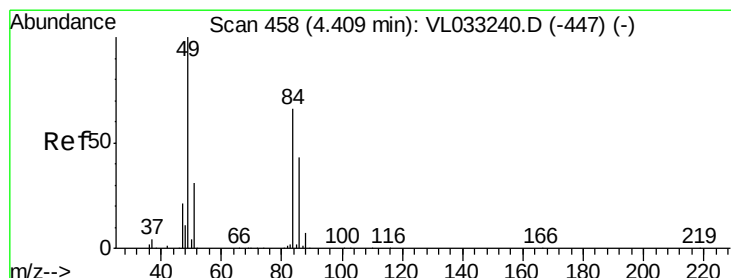
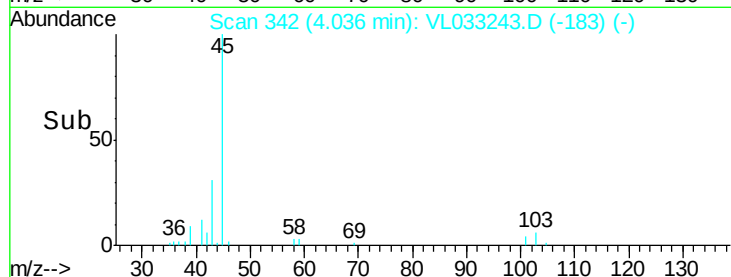
0

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

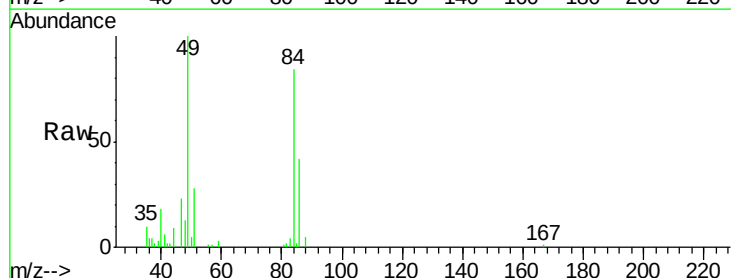
Ion Ratio Lower Upper

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

4.41

40000

30000

20000

10000

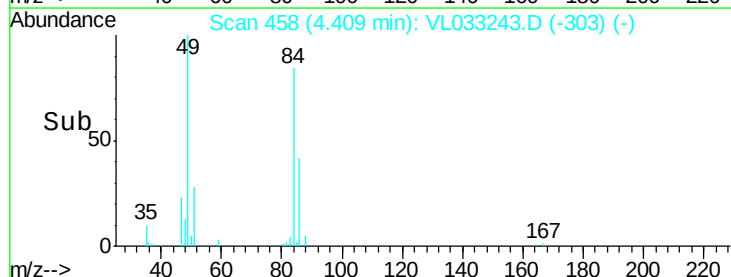
0

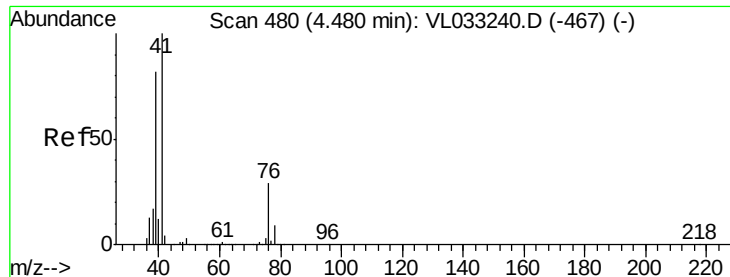
Time-->

4.35

4.40

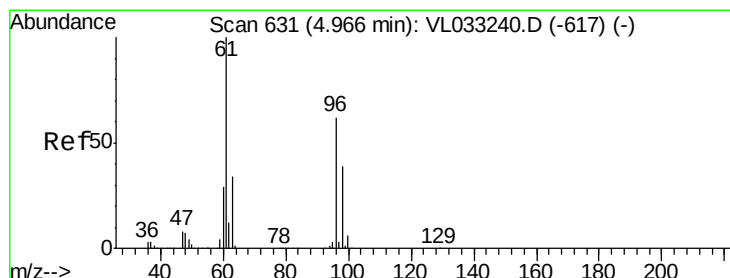
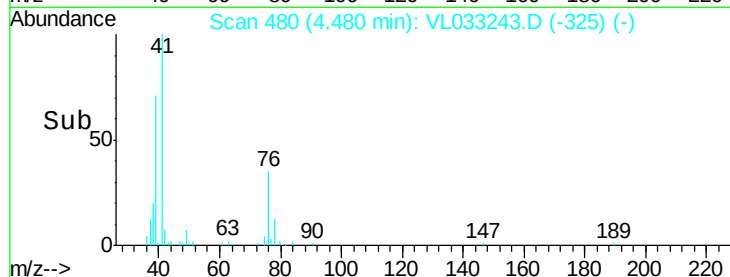
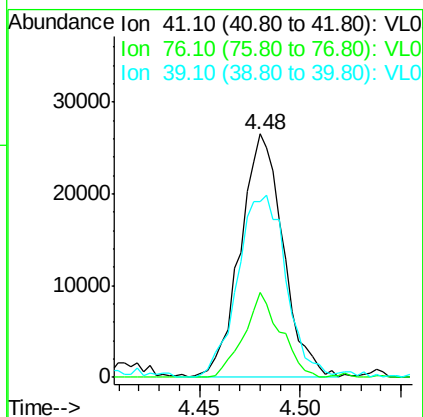
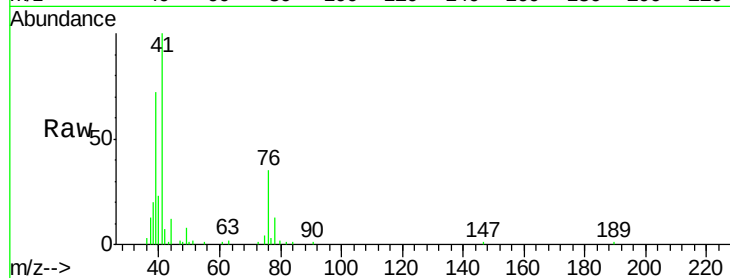
4.45





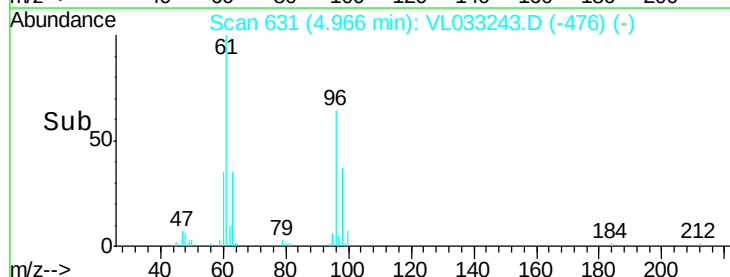
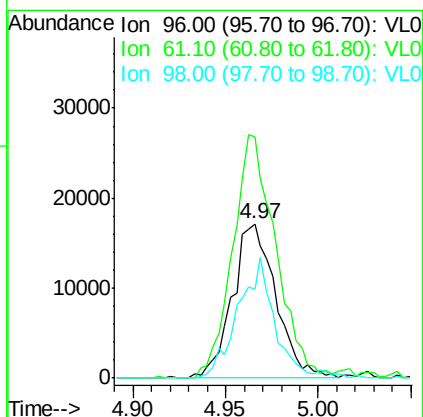
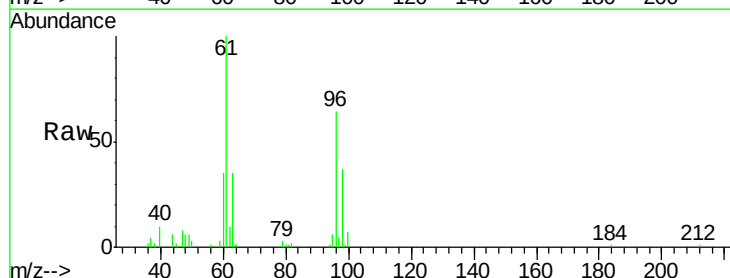
#21
 Allvl Chloride
 Concen: 0.502 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

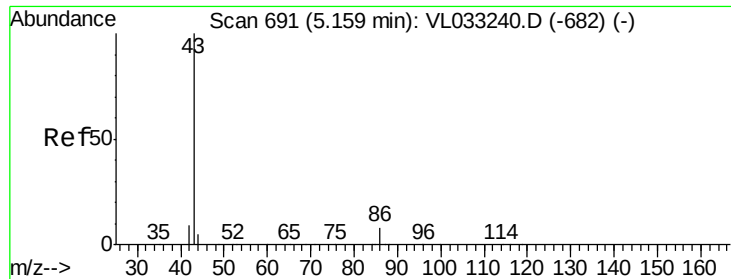
Tot Ion: 41 Resp: 39511
 Ion Ratio Lower Upper
 41 100
 76 30.4 24.6 36.8
 39 86.1 65.2 97.8



#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: 96 Resp: 27831
 Ion Ratio Lower Upper
 96 100
 61 156.5 128.3 192.5
 98 57.6 50.6 75.8





#23

Vinyl Acetate

Concen: 0.478 ppbv

RT: 5.16 min Scan# 690

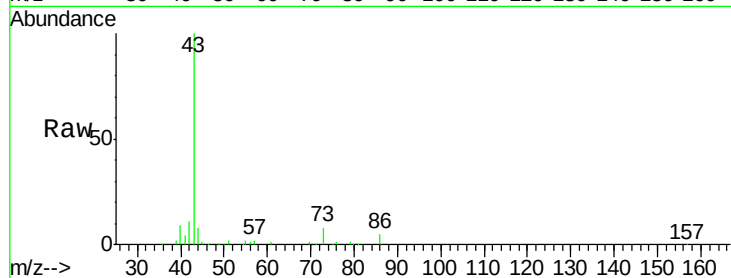
Delta R.T. -0.00 min

Lab File: VL033243.D

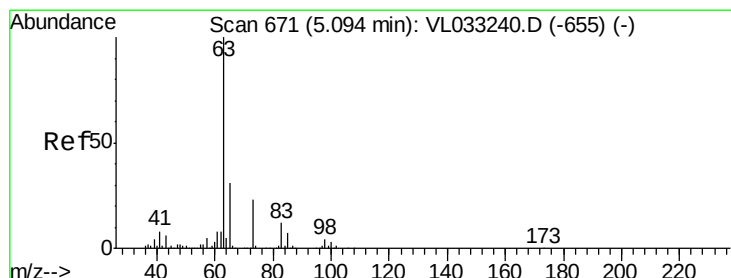
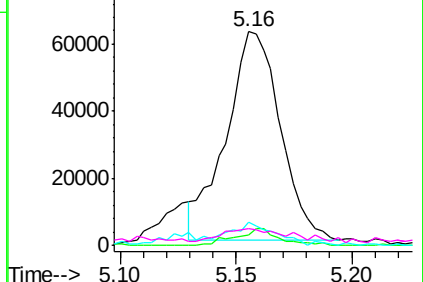
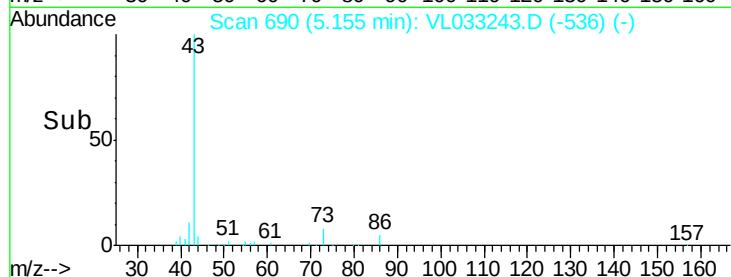
Acq: 6 Mar 2019 3:55

Tot 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

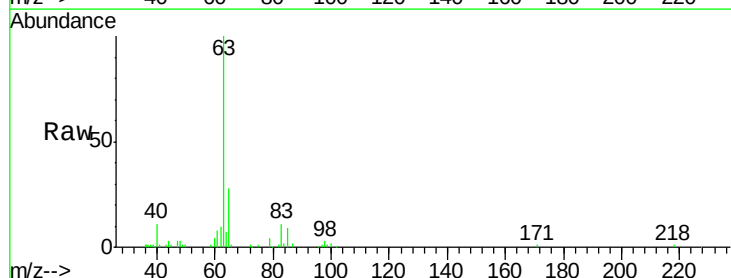
Delta R.T. -0.00 min

Lab File: VL033243.D

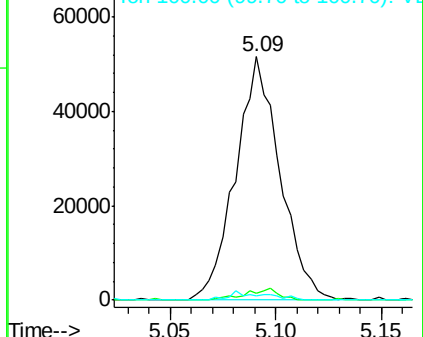
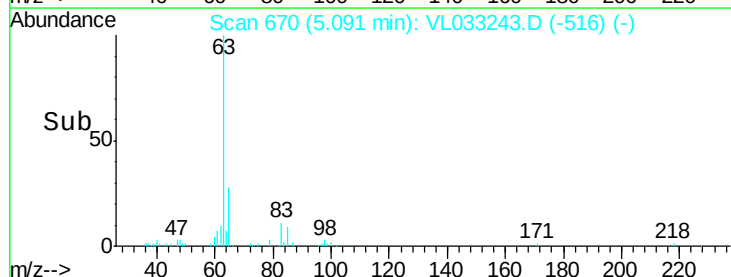
Acq: 6 Mar 2019 3:55

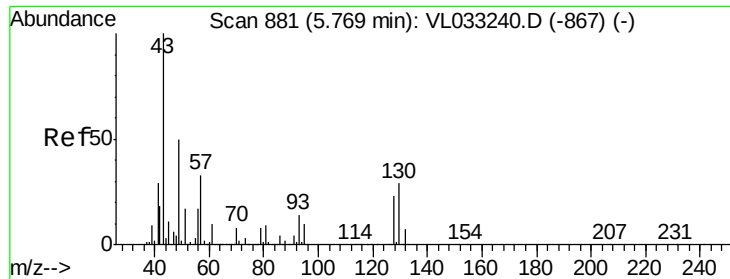
Tgt Ion: 63 Resp: 75338

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



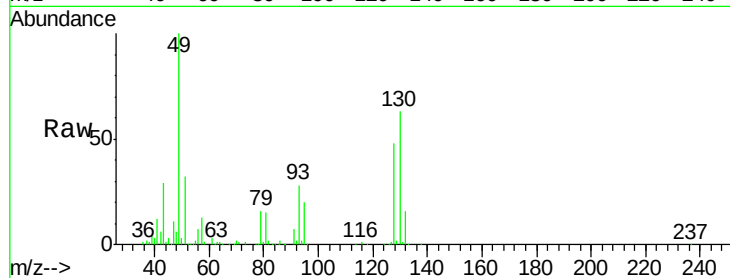
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



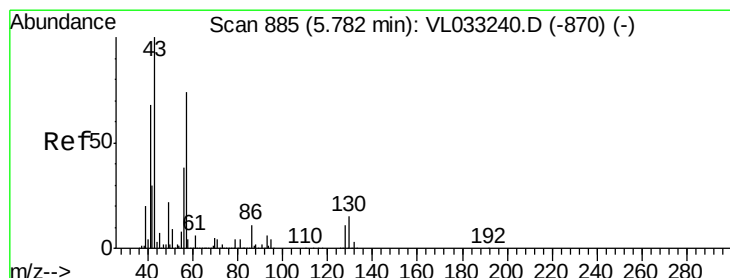
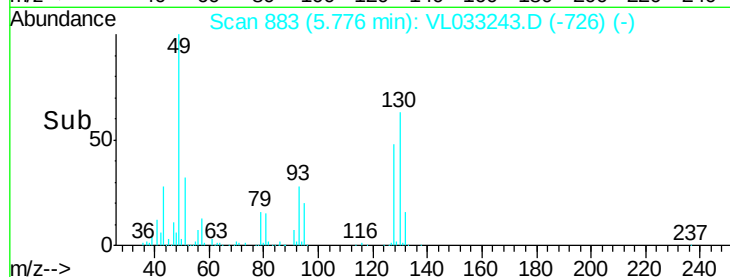
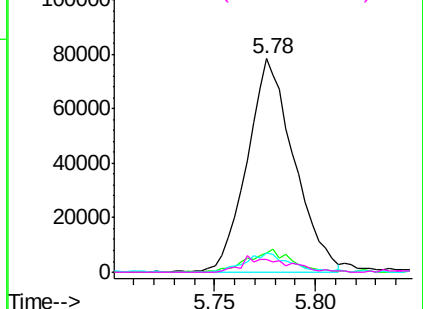


#25
Ethyl Acetate
Concen: 0.462 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tot 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

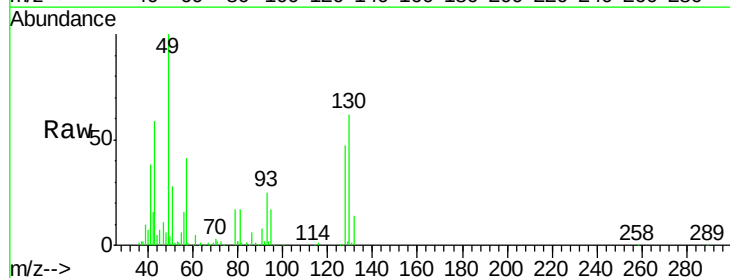


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

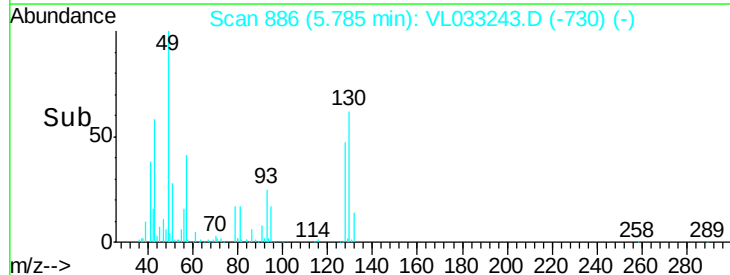
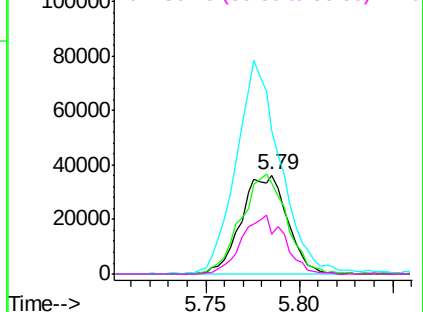


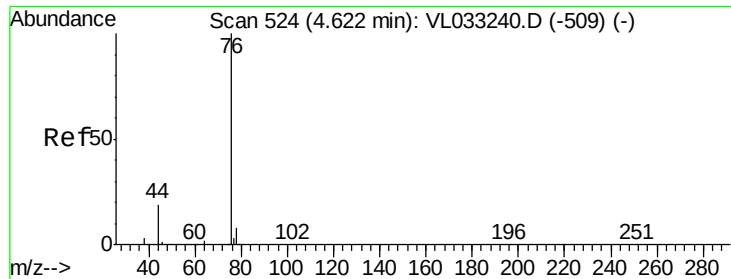
#26
Hexane
Concen: 0.485 ppbv m
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion:	57	Resp:	62362
Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.4	110.2#
43	209.9	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

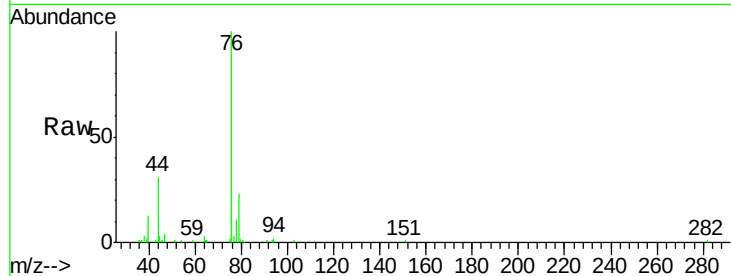
Delta R.T. 0.00 min

Lab File: VL033243.D

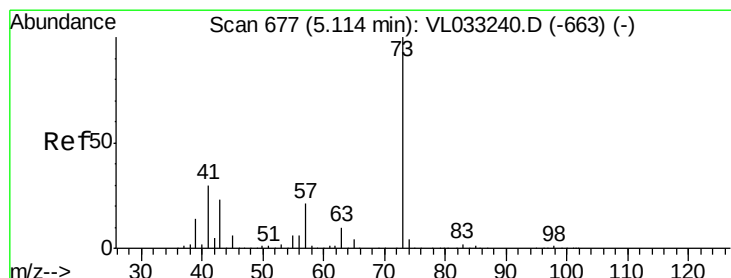
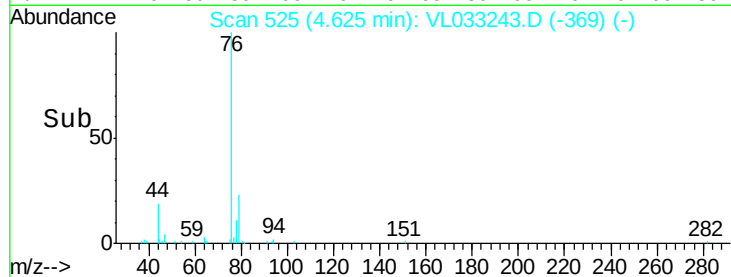
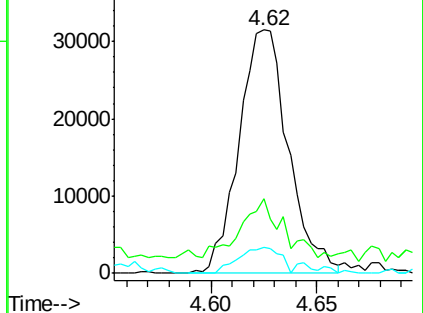
Acq: 6 Mar 2019 3:55

Tot 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

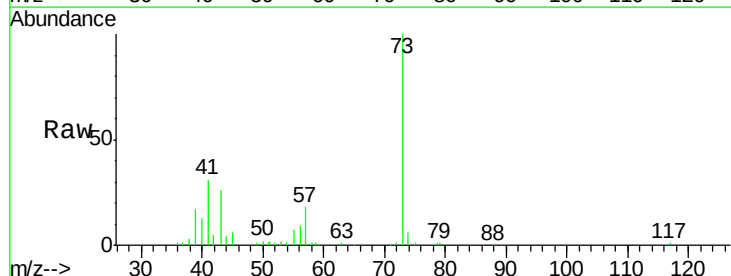
Delta R.T. 0.01 min

Lab File: VL033243.D

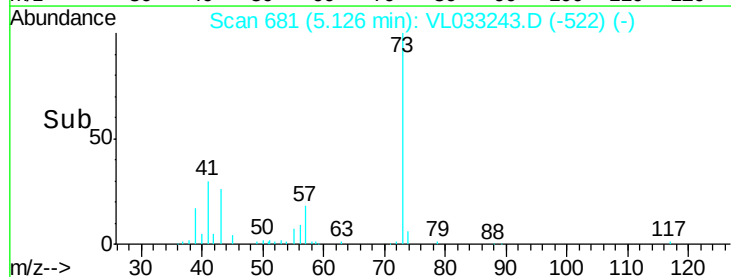
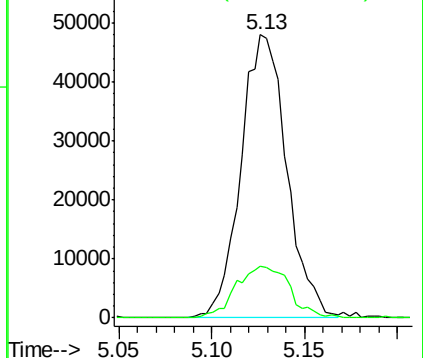
Acq: 6 Mar 2019 3:55

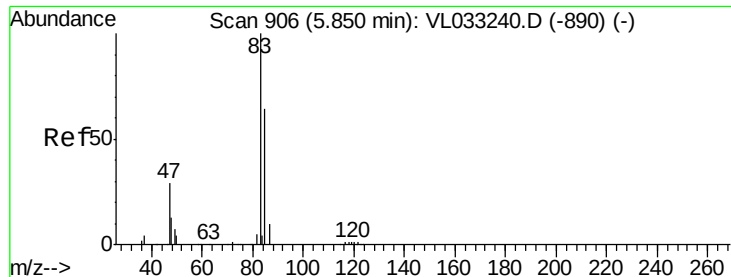
Tgt Ion: 73 Resp: 82245

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

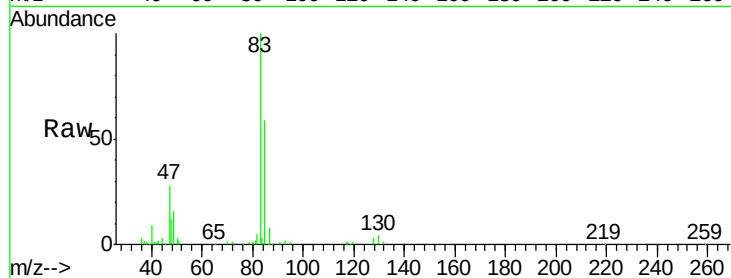
Acq: 6 Mar 2019 3:55

Tot Ion: 83 Resp: 95646

Ion Ratio Lower Upper

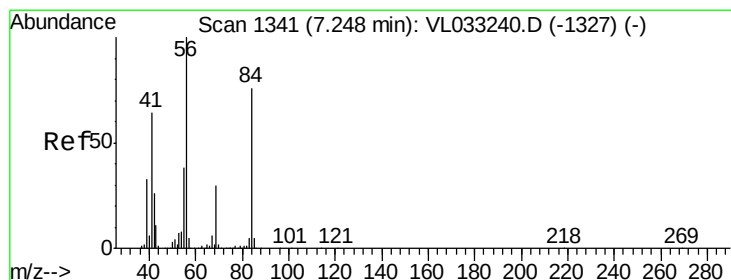
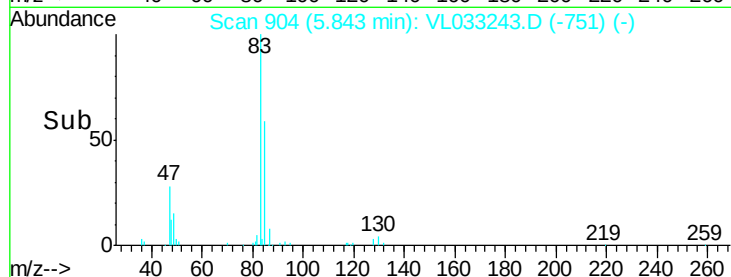
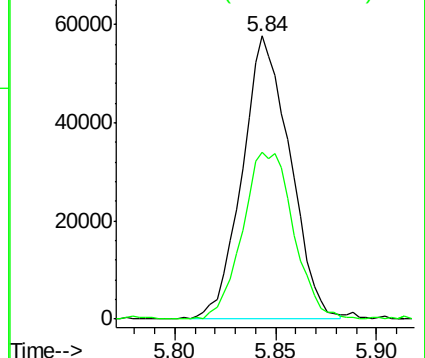
83 100

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



#30

Cyclohexane

Concen: 0.385 ppbv m

RT: 7.25 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

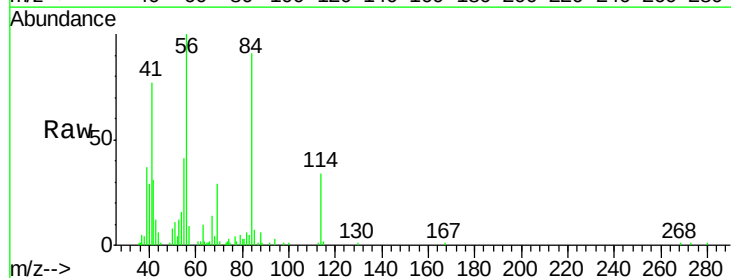
Tgt Ion: 84 Resp: 44352

Ion Ratio Lower Upper

84 100

56 137.0 113.1 169.7

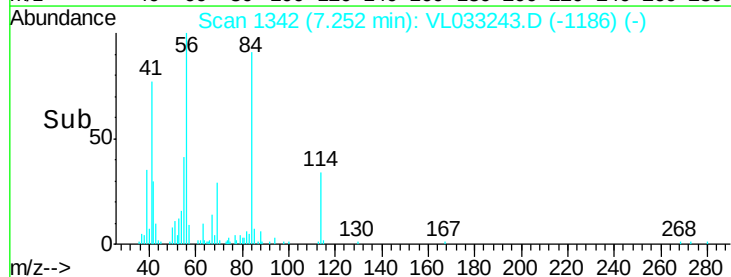
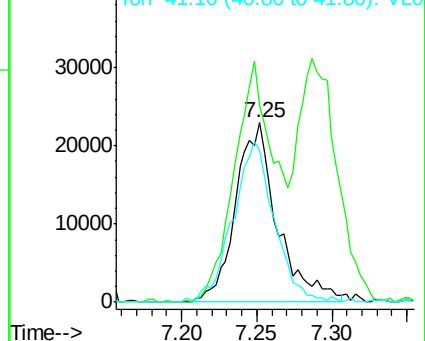
41 89.9 70.8 106.2

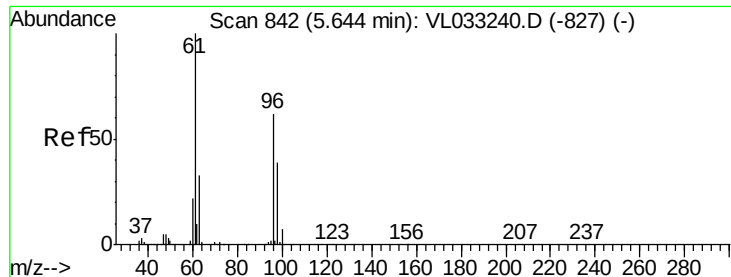


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

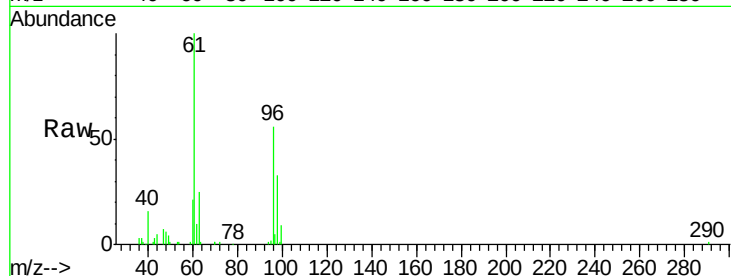




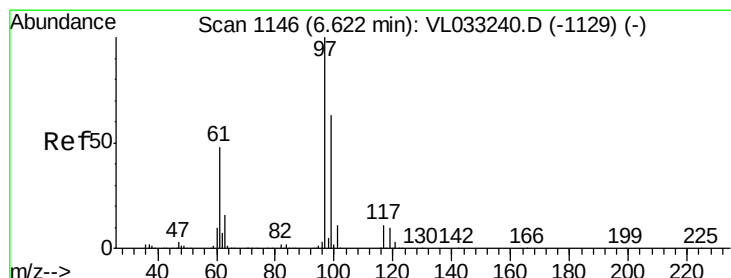
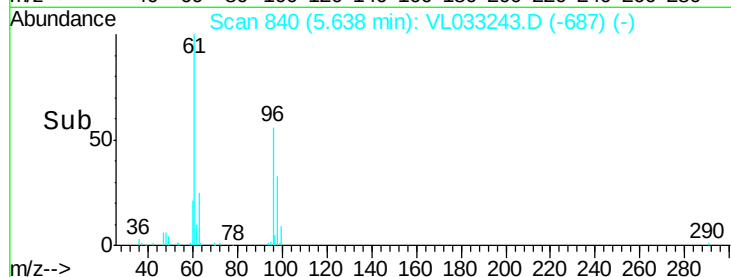
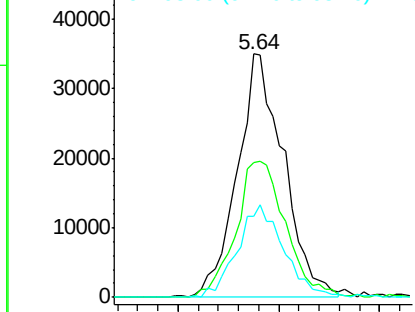
#31

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

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



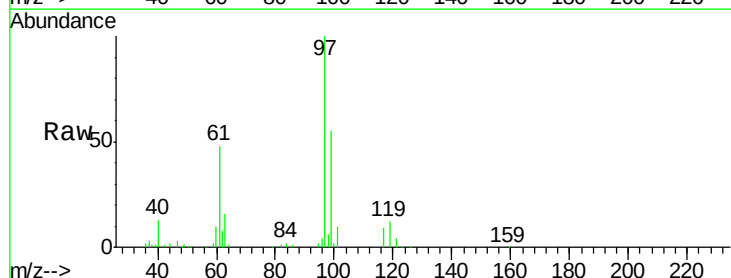
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



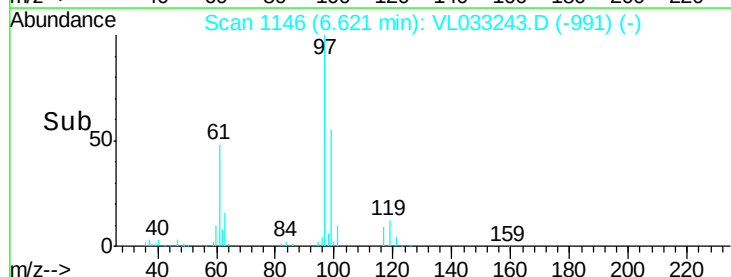
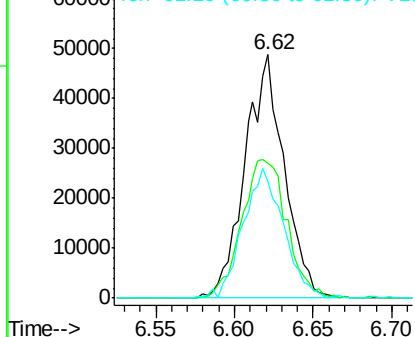
#32

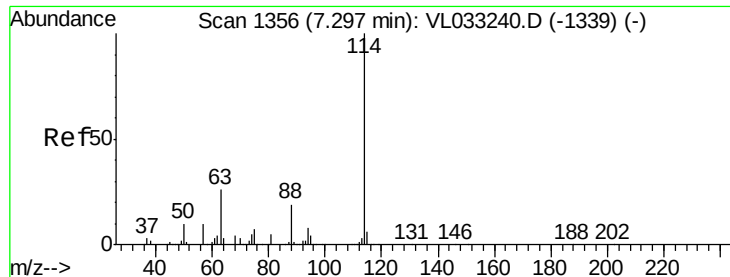
1,1,1-Trichloroethane
 Concen: 0.391 ppbv m
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion:	97	Resp:	85172
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	55.3	40.1	60.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

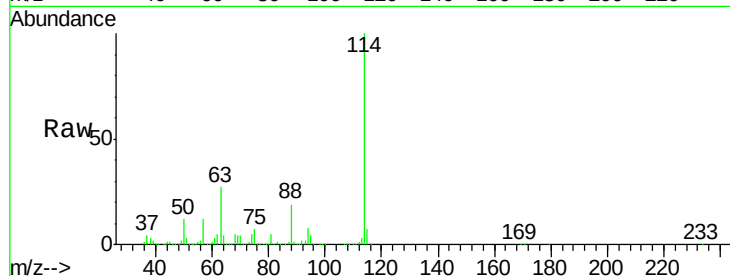
Tot Ion:114 Resp: 2426194

Ion Ratio Lower Upper

114 100

63 27.0 22.0 33.0

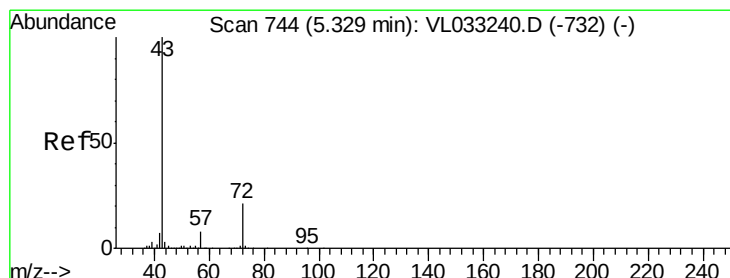
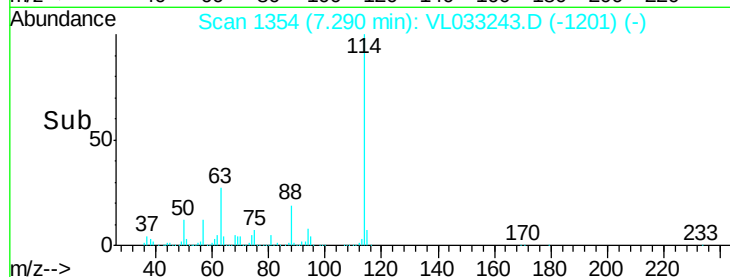
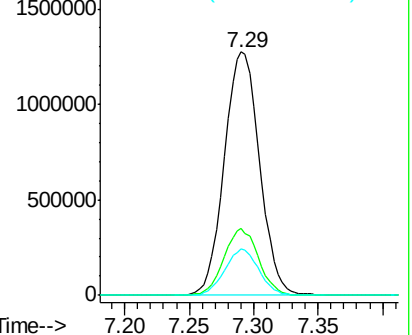
88 18.6 15.0 22.4



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: 0.546 ppbv m

RT: 5.34 min Scan# 749

Delta R.T. 0.02 min

Lab File: VL033243.D

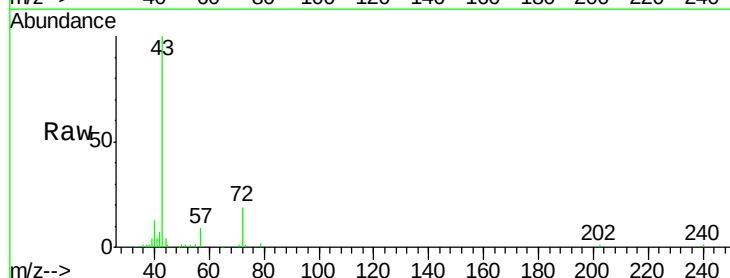
Acq: 6 Mar 2019 3:55

Tgt Ion: 43 Resp: 87024

Ion Ratio Lower Upper

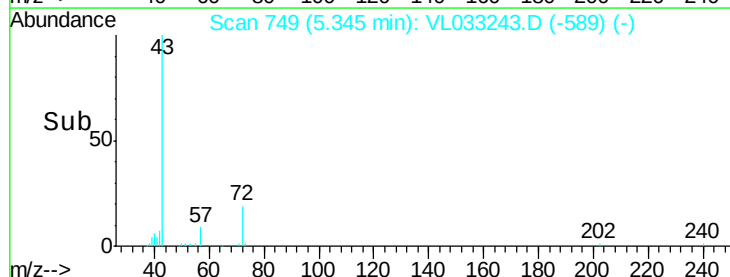
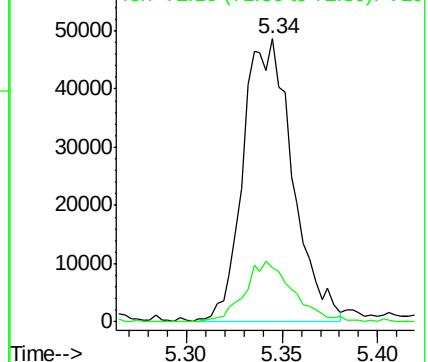
43 100

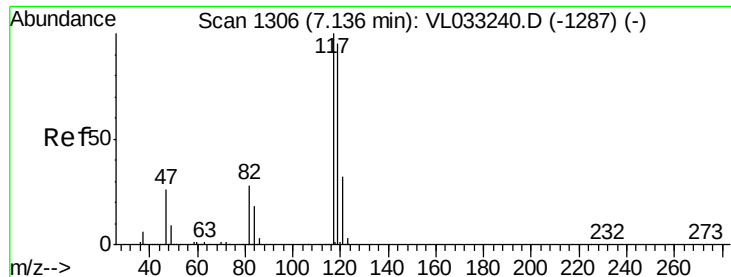
72 0.0 17.1 25.7#



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

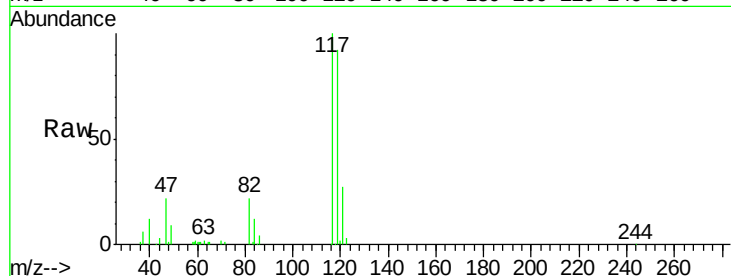
Tot Ion: 117 Resp: 86136

Ion Ratio Lower Upper

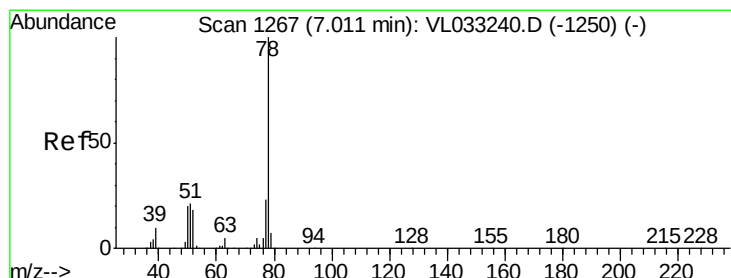
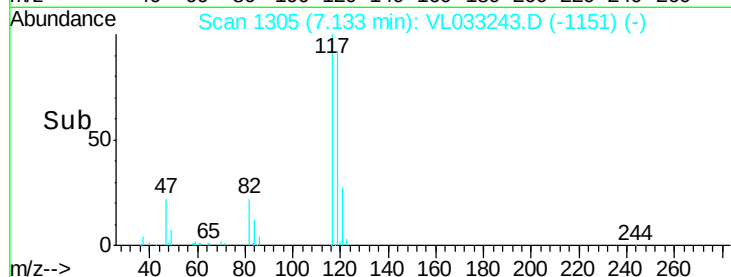
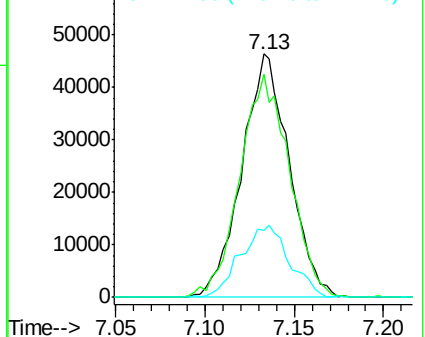
117 100

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

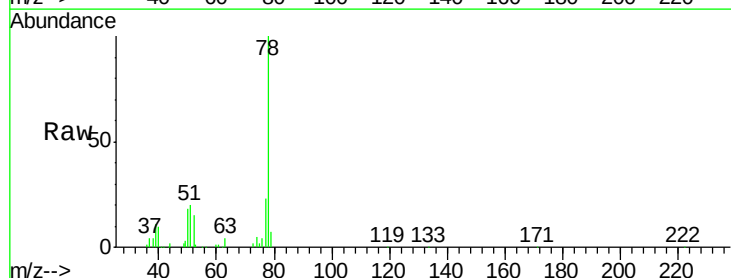
Tgt Ion: 78 Resp: 113106

Ion Ratio Lower Upper

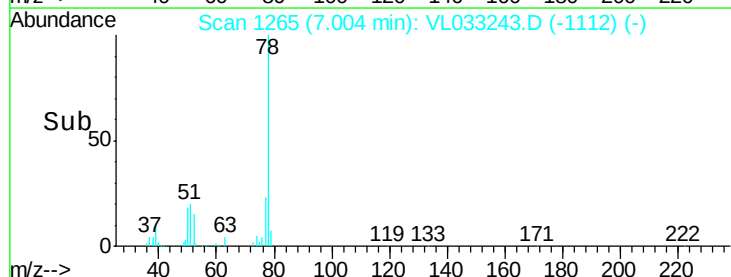
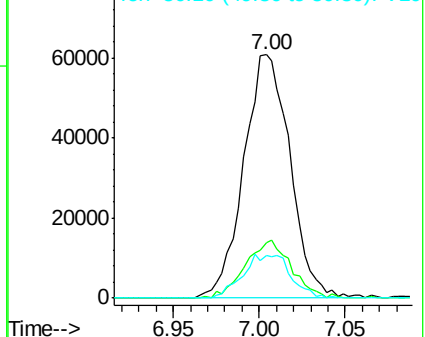
78 100

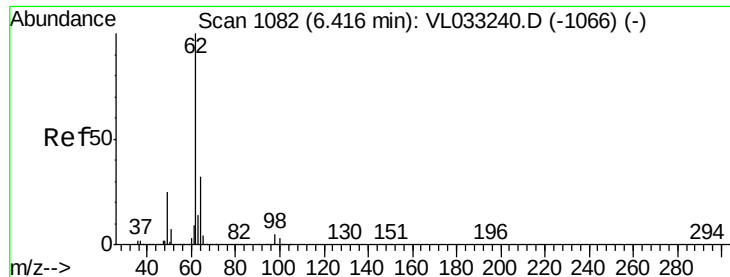
77 22.6 18.0 27.0

50 17.6 16.2 24.4



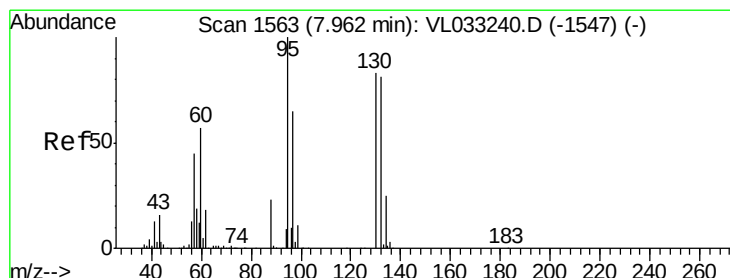
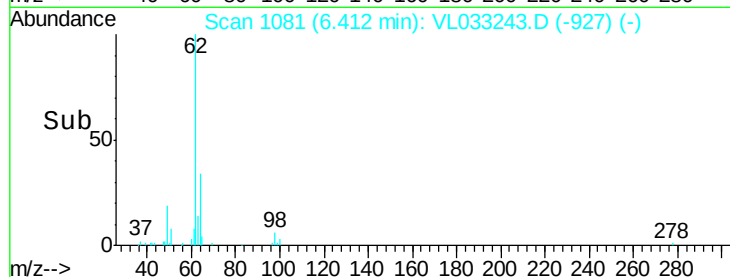
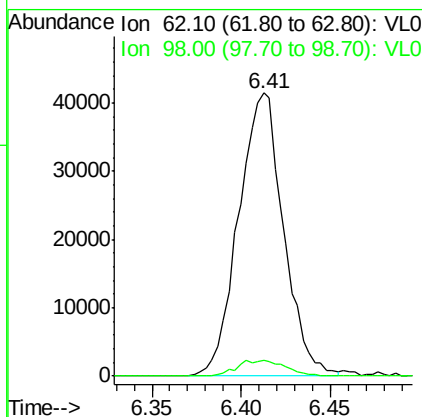
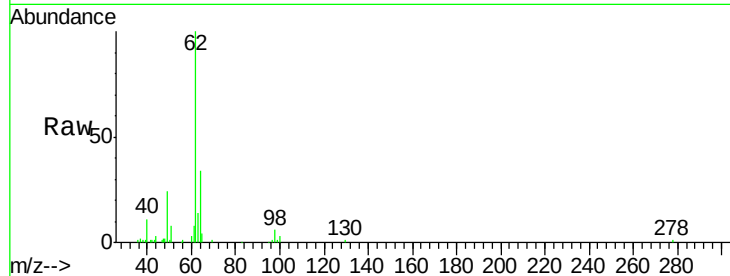
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





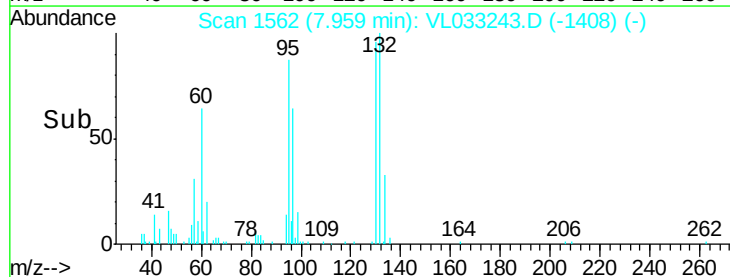
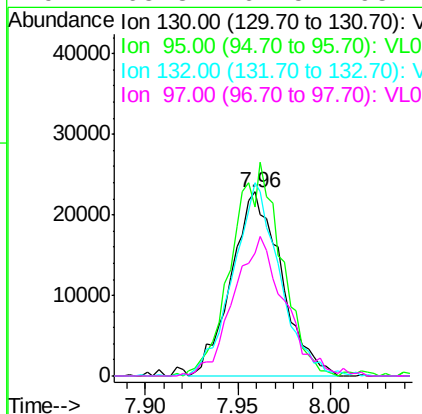
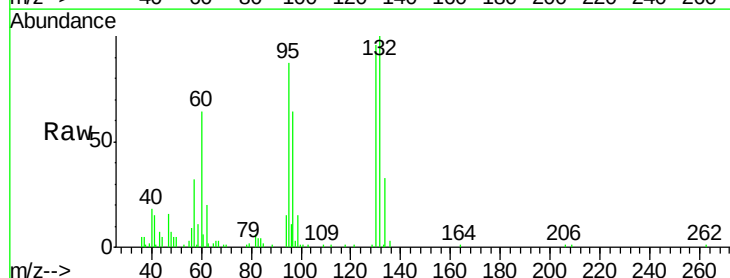
#37
 1,2-Dichloroethane
 Concen: 0.511 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

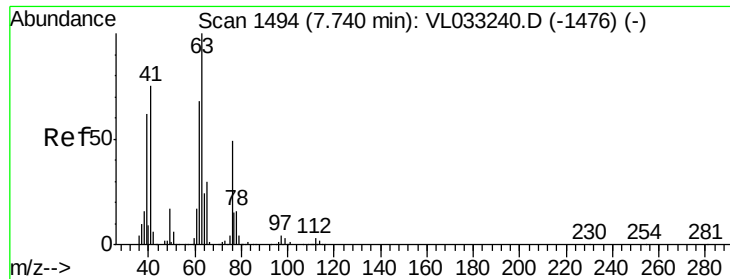
Tot Ion: 62 Resp: 72703
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#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





#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

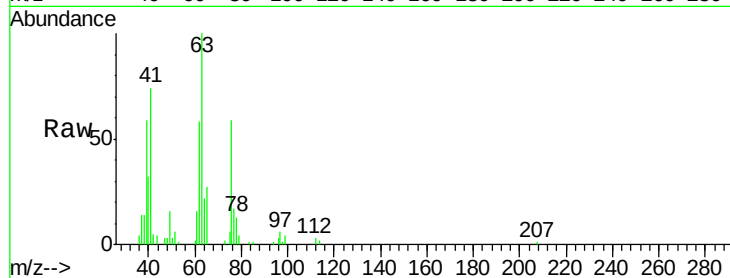
Tot Ion: 63 Resp: 41620

Ion Ratio Lower Upper

63 100

41 59.4 60.0 90.0#

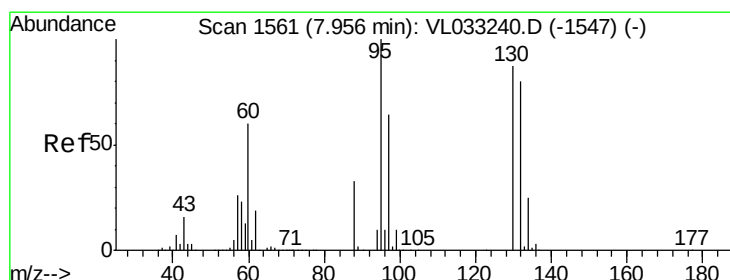
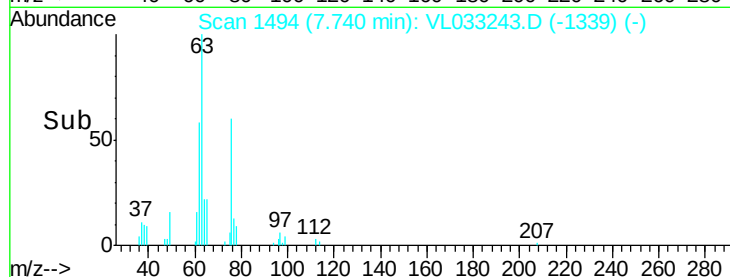
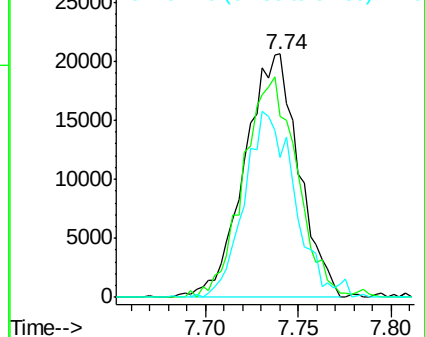
62 47.3 54.2 81.4#



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: 0.545 ppbv m

RT: 7.99 min Scan# 1573

Delta R.T. 0.04 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion: 88 Resp: 19194

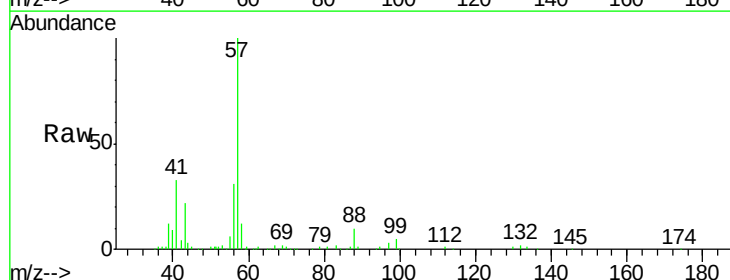
Ion Ratio Lower Upper

88 100

58 0.0 105.1 157.7#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

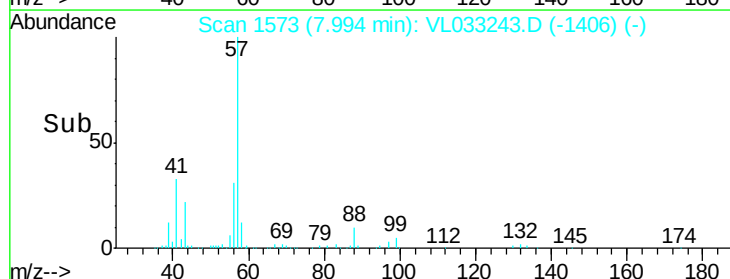
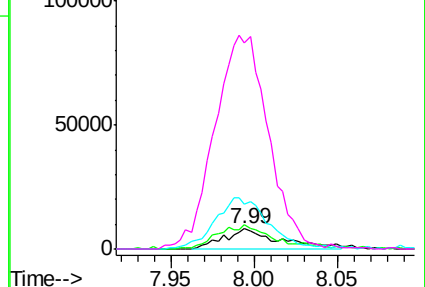


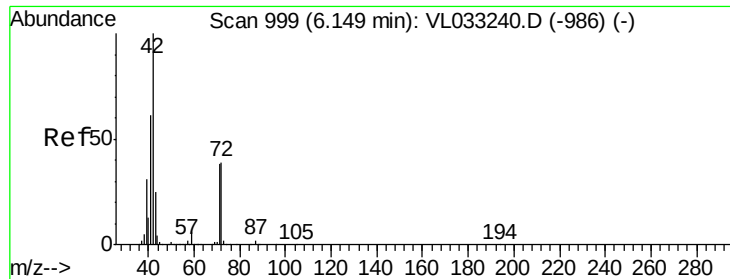
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 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

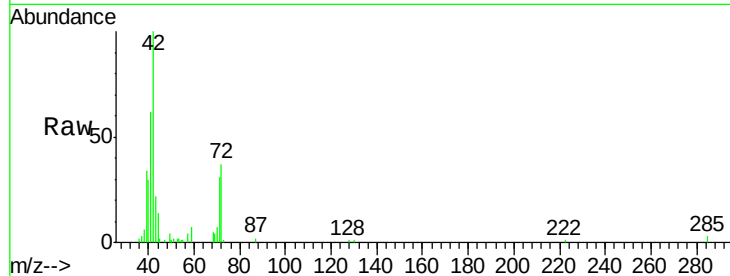
Tot Ion: 42 Resp: 41822

Ion Ratio Lower Upper

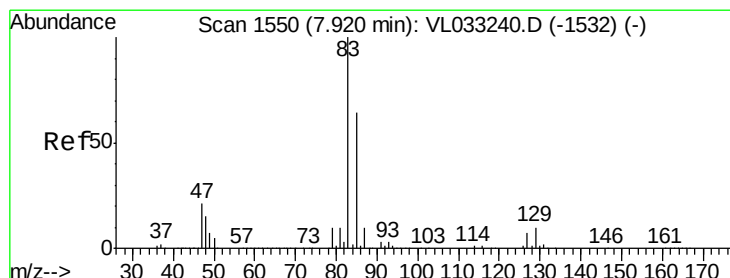
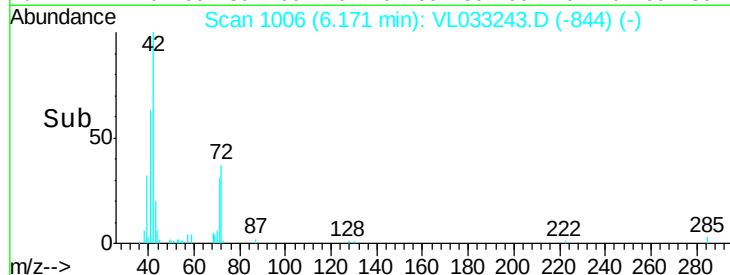
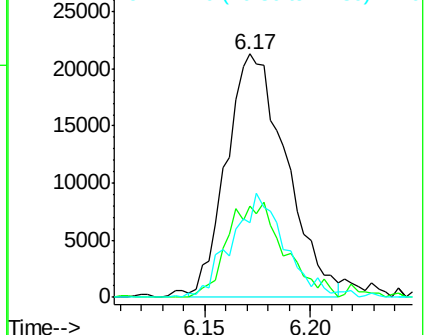
42 100

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

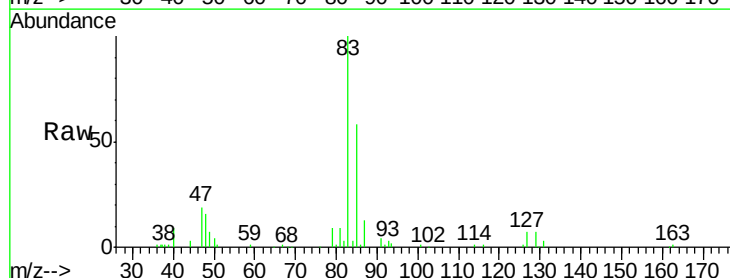
Tgt Ion: 83 Resp: 93613

Ion Ratio Lower Upper

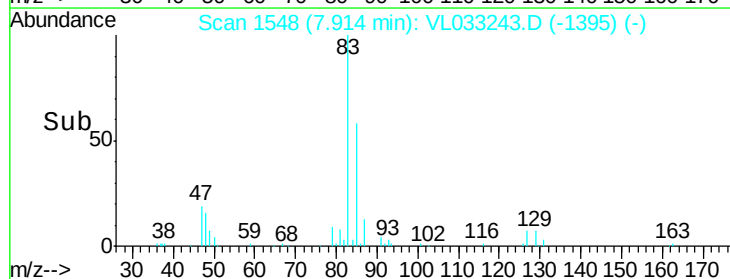
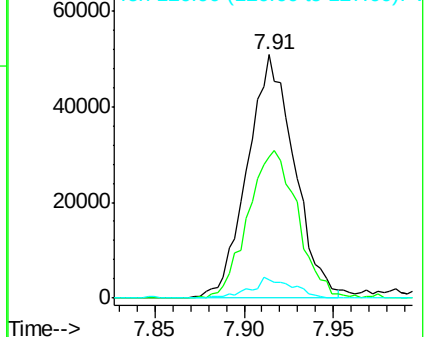
83 100

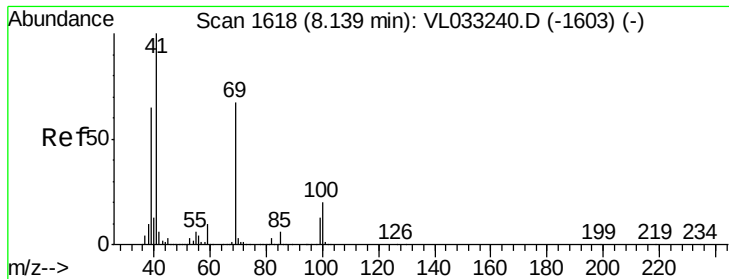
85 58.0 51.5 77.3

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

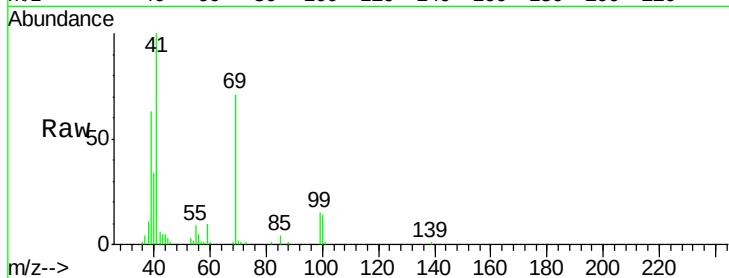
Tot Ion: 69 Resp: 40272

Ion Ratio Lower Upper

69 100

41 154.5 120.9 181.3

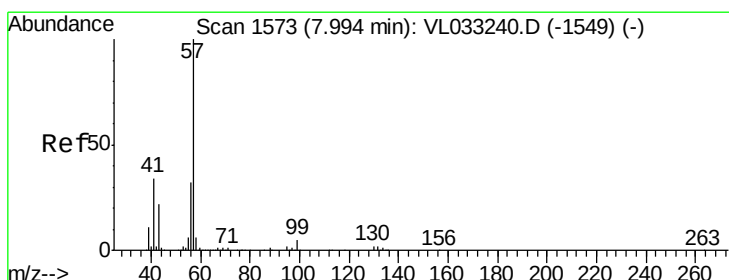
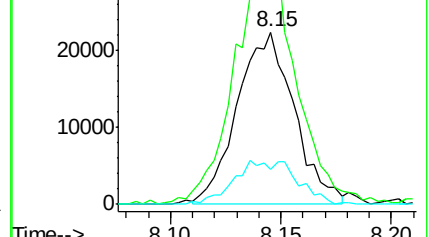
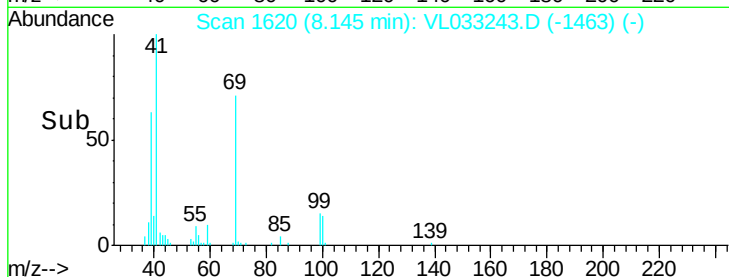
100 27.7 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.457 ppbv m

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

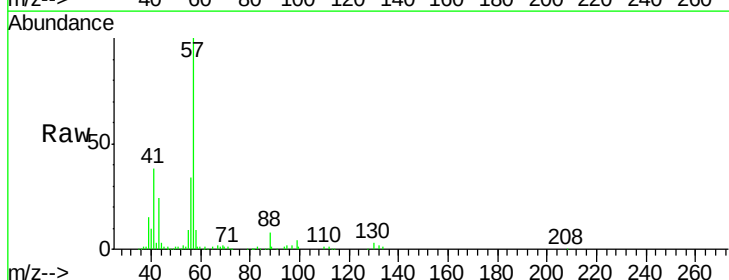
Tgt Ion: 57 Resp: 192499

Ion Ratio Lower Upper

57 100

41 36.1 26.1 39.1

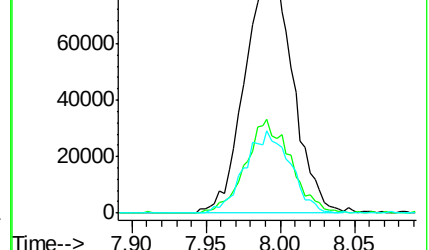
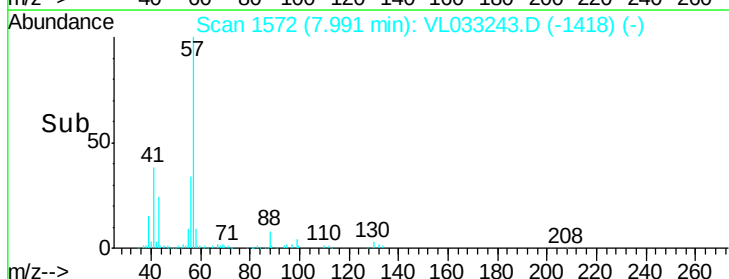
56 32.3 24.7 37.1

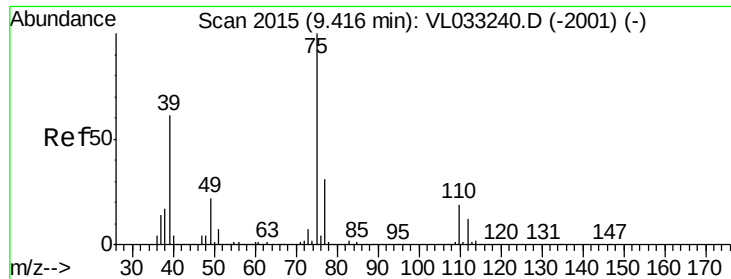


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#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

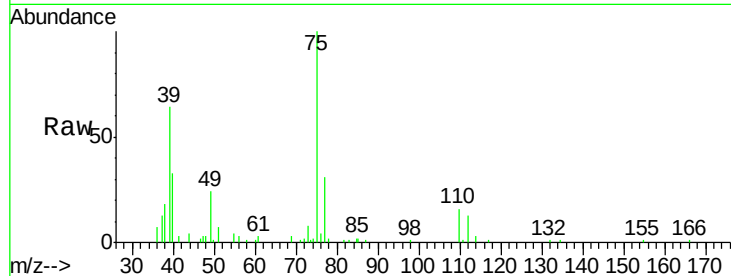
Acq: 6 Mar 2019 3:55

Tot Ion: 75 Resp: 40849

Ion Ratio Lower Upper

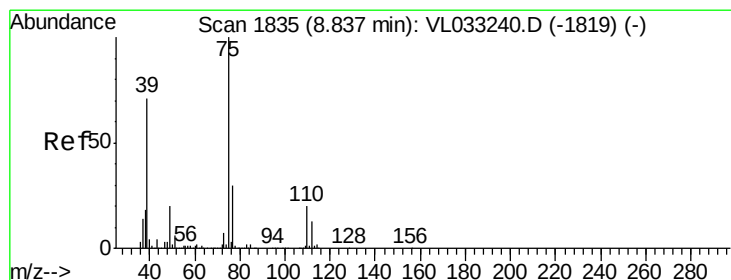
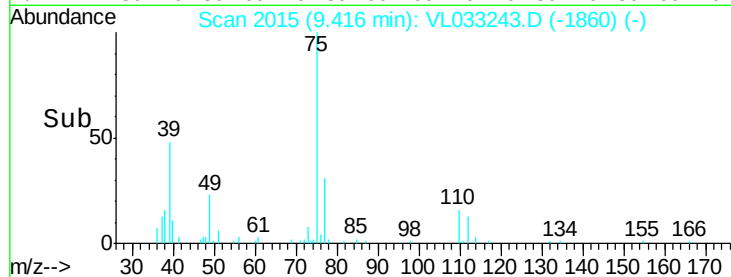
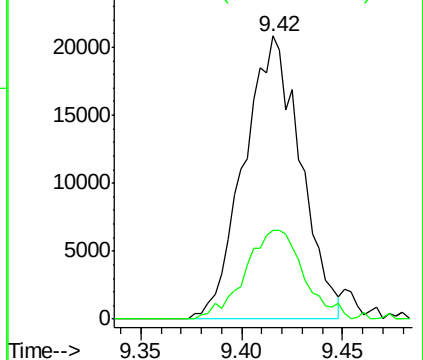
75 100

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

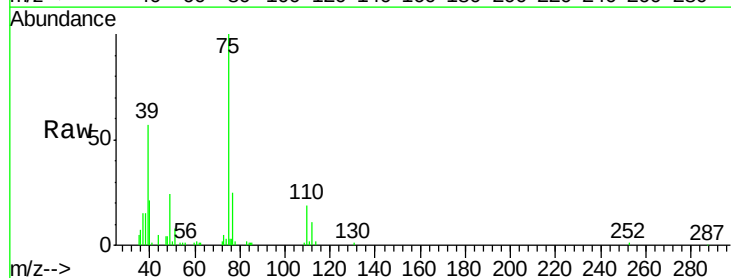
Tgt Ion: 75 Resp: 55405

Ion Ratio Lower Upper

75 100

39 55.6 57.0 85.6#

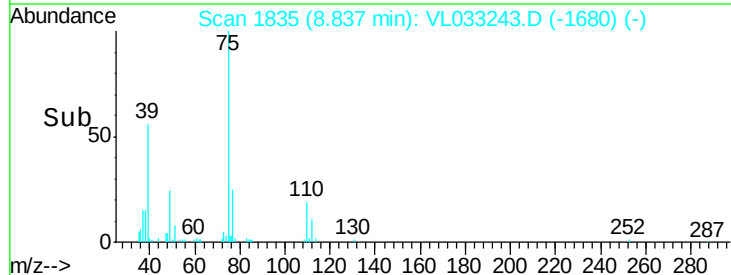
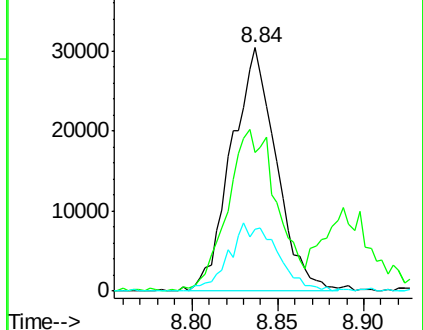
77 25.5 24.0 36.0

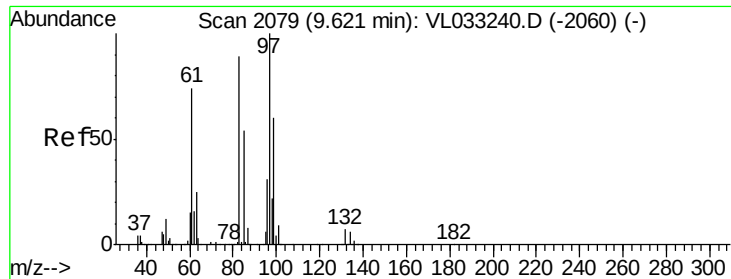


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

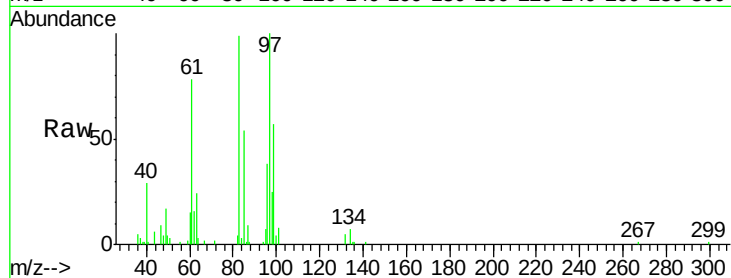
Ion 77.00 (76.70 to 77.70): VL0



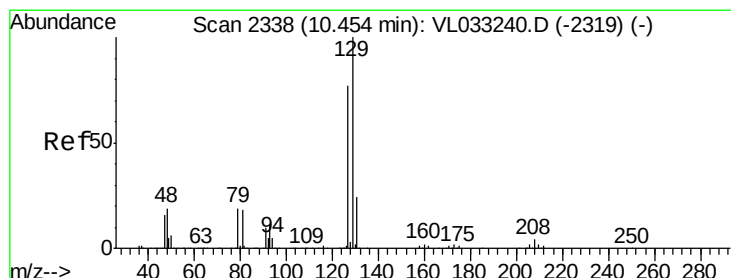
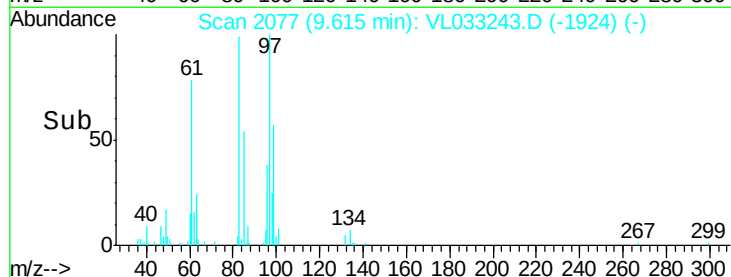
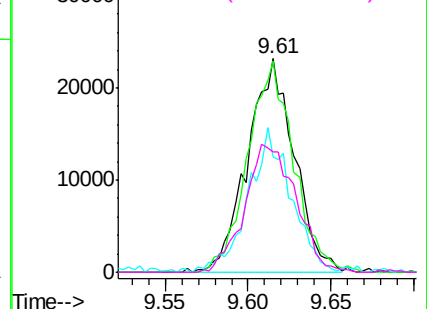


#47
 1,1,2-Trichloroethane
 Concen: 0.446 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tot 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

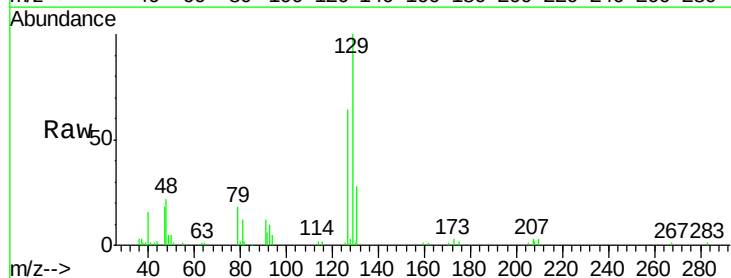


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

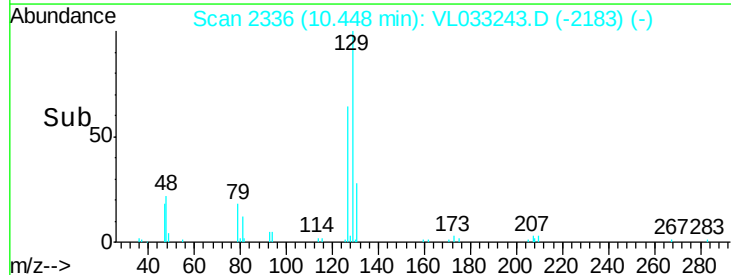
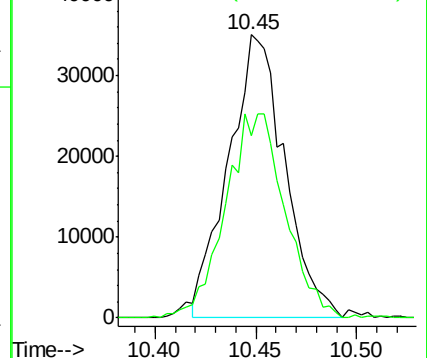


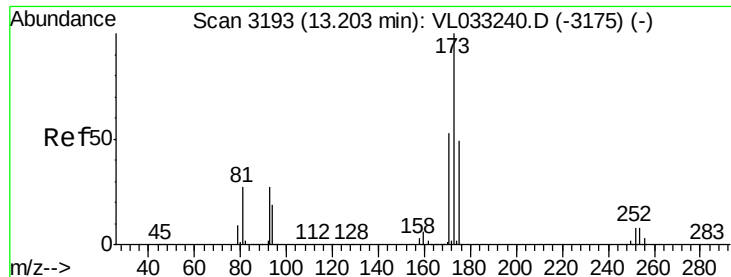
#48
 Dibromochloromethane
 Concen: 0.426 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

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: 0.375 ppbv m

RT: 13.20 min Scan# 3192

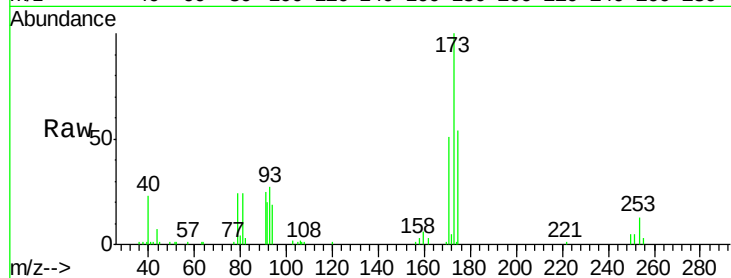
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tot Ion:173 Resp: 51043

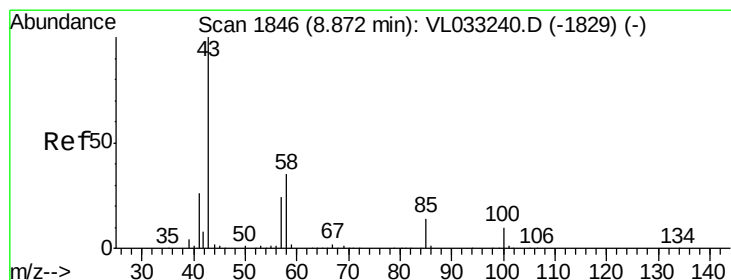
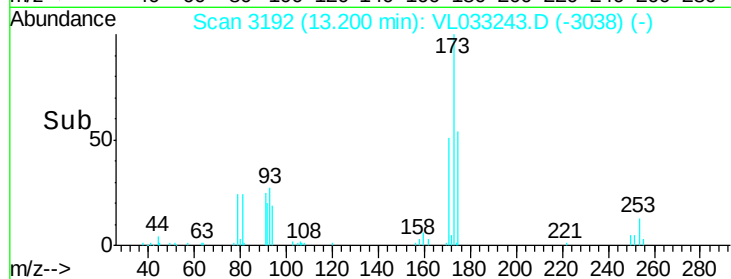
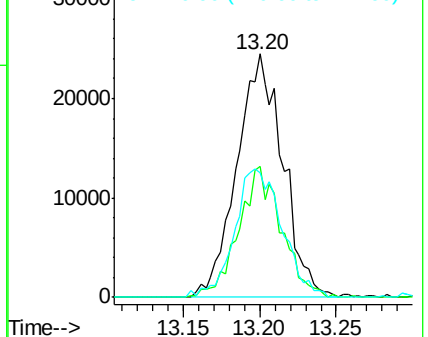
Ion	Ratio	Lower	Upper
173	100		
175	50.3	38.9	58.3
171	54.6	41.4	62.0



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: 0.467 ppbv m

RT: 8.89 min Scan# 1853

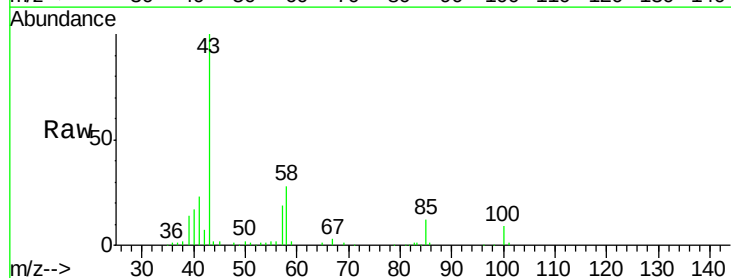
Delta R.T. 0.02 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

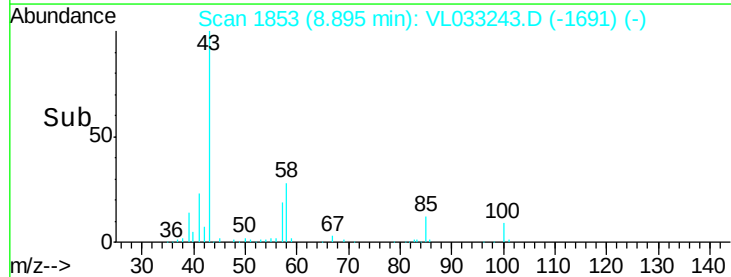
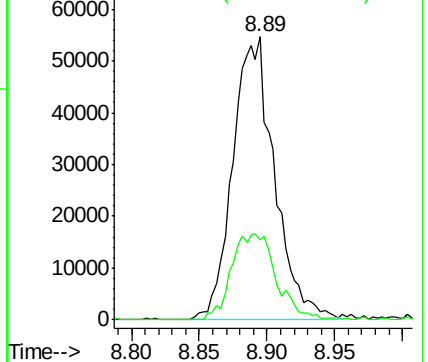
Tgt Ion: 43 Resp: 116971

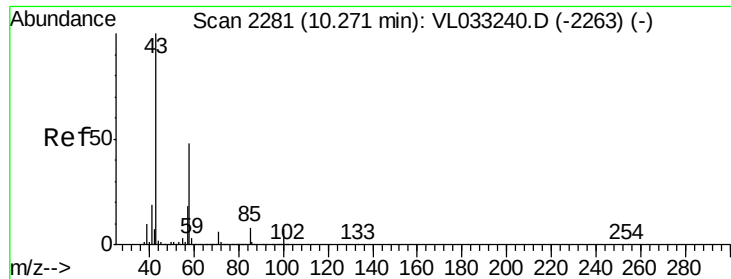
Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

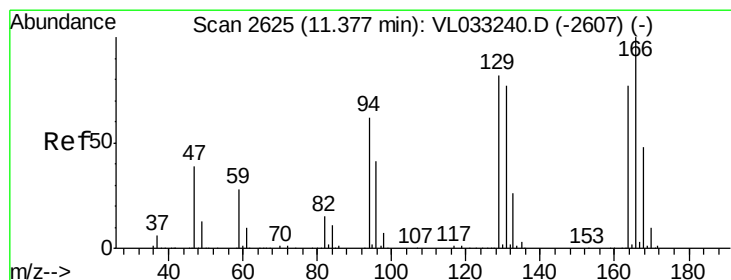
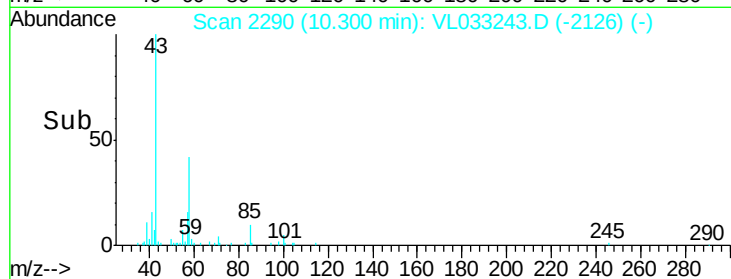
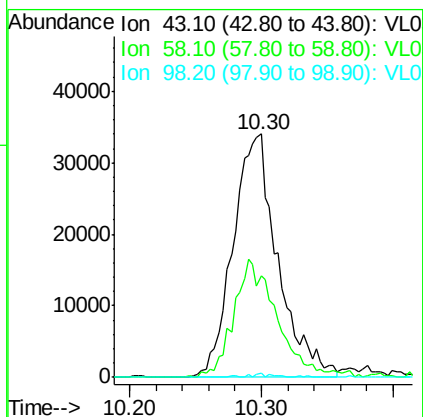
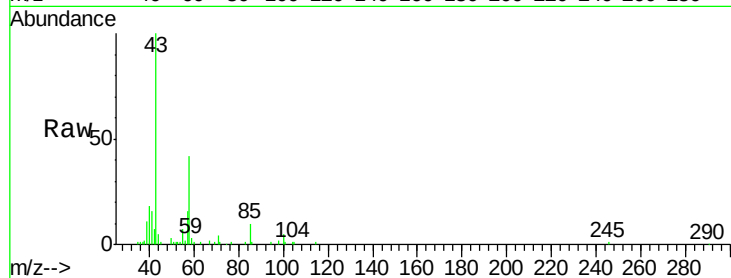
Ion 58.10 (57.80 to 58.80): VL0





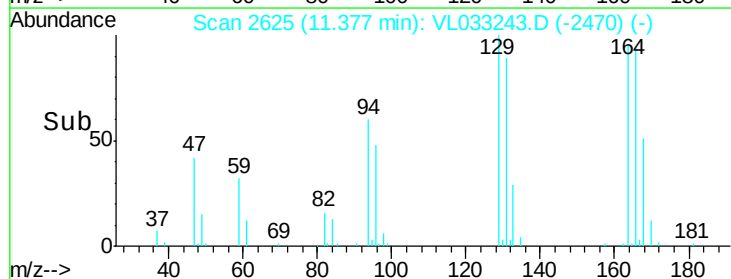
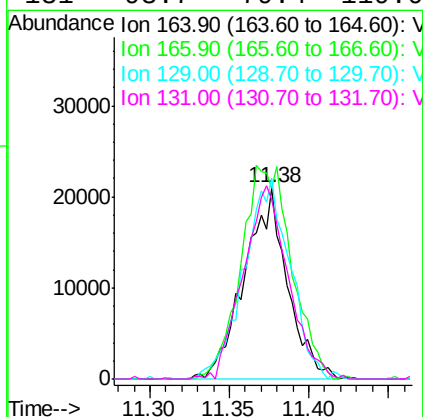
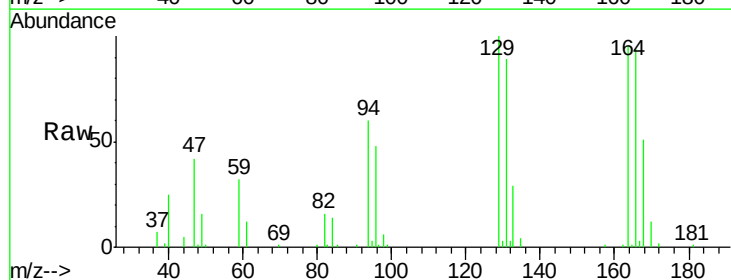
#51
2-Hexanone
Concen: 0.411 ppbv m
RT: 10.30 min Scan# 2290
Delta R.T. 0.03 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

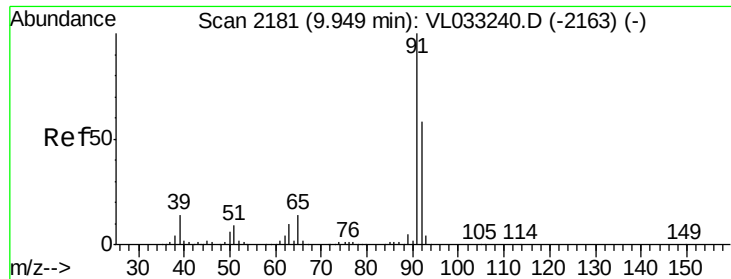
Tot Ion: 43 Resp: 80407
Ion Ratio Lower Upper
43 100
58 47.2 38.2 57.2
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.413 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

Tgt Ion: 164 Resp: 39198
Ion Ratio Lower Upper
164 100
166 99.4 103.3 154.9#
129 105.3 84.4 126.6
131 93.7 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

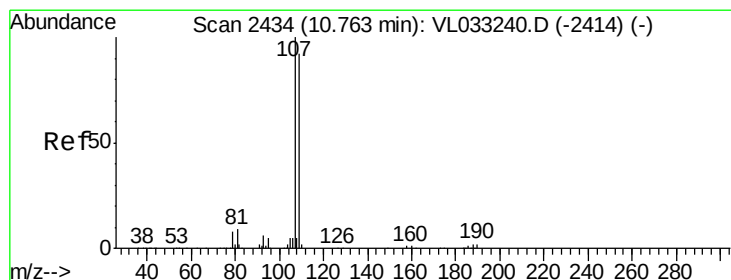
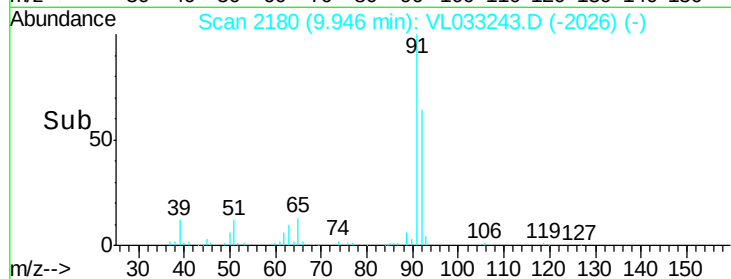
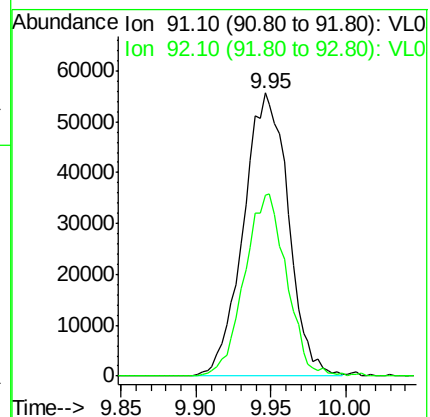
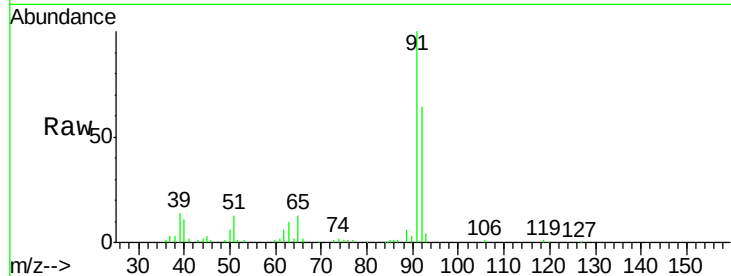
Acq: 6 Mar 2019 3:55

Tot Ion: 91 Resp: 116317

Ion Ratio Lower Upper

91 100

92 60.4 47.4 71.2



#54

1,2-Dibromoethane

Concen: 0.429 ppbv m

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033243.D

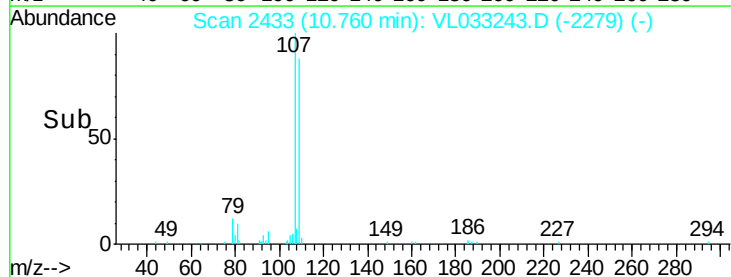
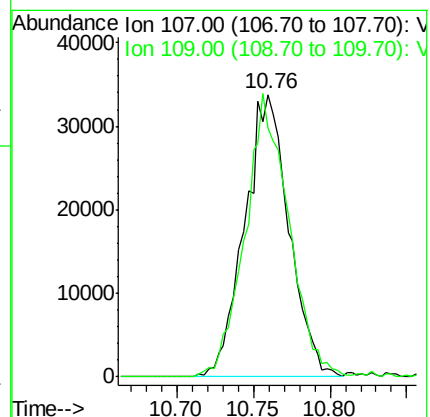
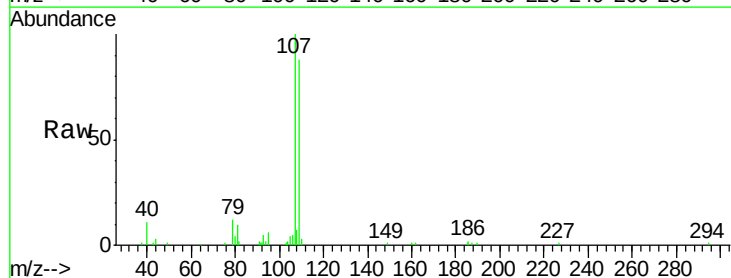
Acq: 6 Mar 2019 3:55

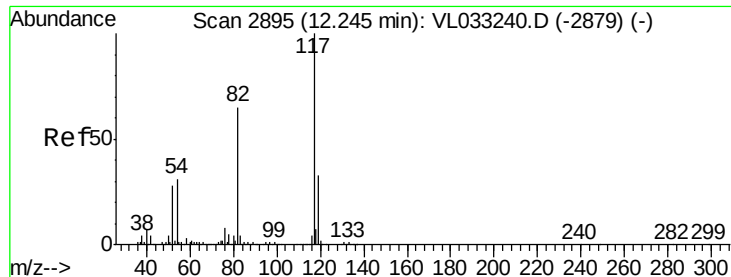
Tgt Ion: 107 Resp: 67865

Ion Ratio Lower Upper

107 100

109 88.0 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

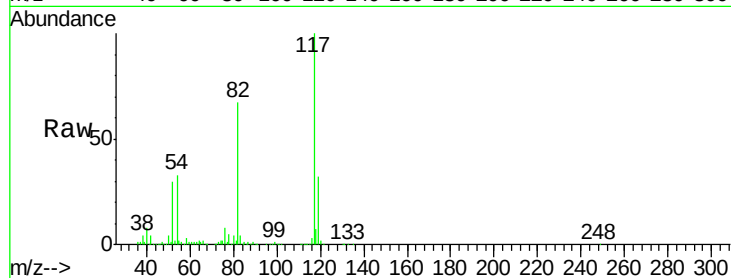
Tot Ion:117 Resp: 2343254

Ion Ratio Lower Upper

117 100

82 67.4 51.8 77.8

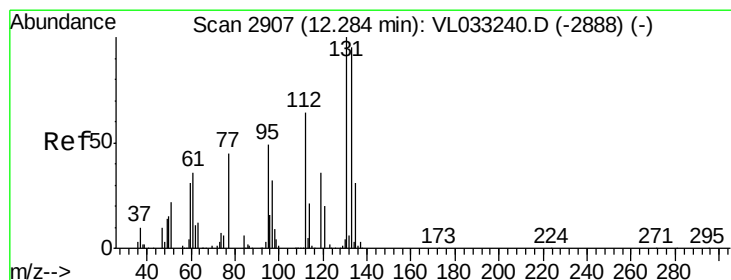
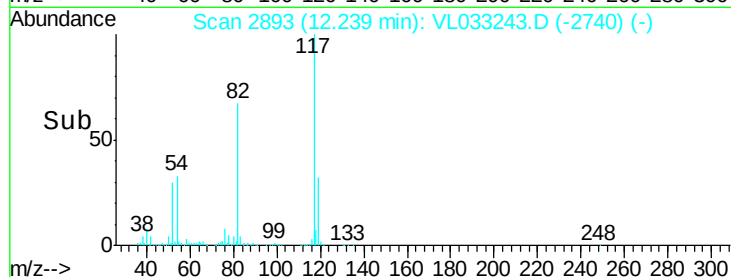
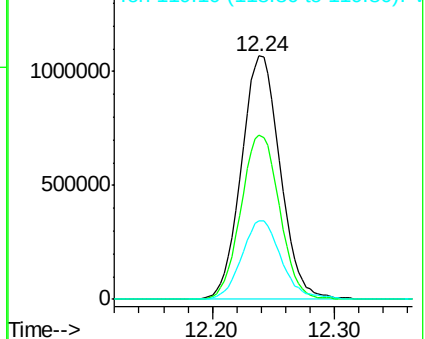
119 33.1 43.6 65.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.480 ppbv m

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

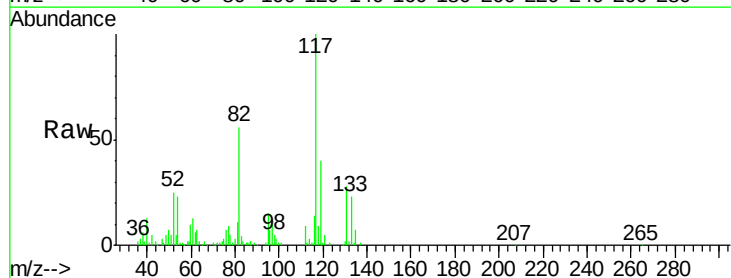
Tgt Ion:131 Resp: 51869

Ion Ratio Lower Upper

131 100

133 0.0 76.2 114.2#

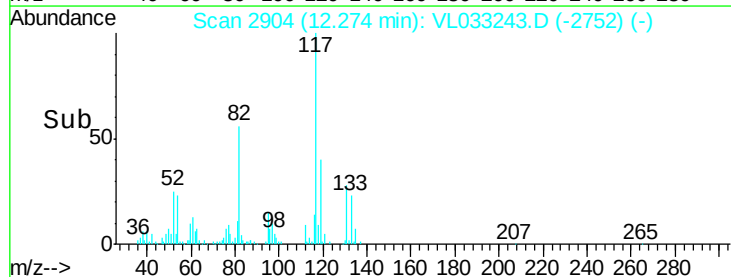
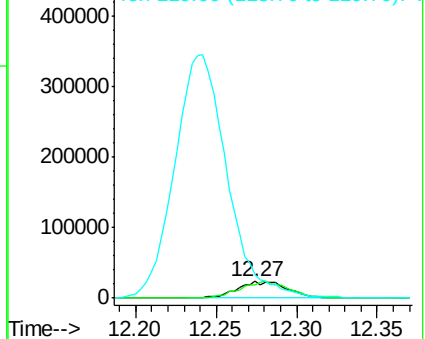
119 0.0 108.9 163.3#

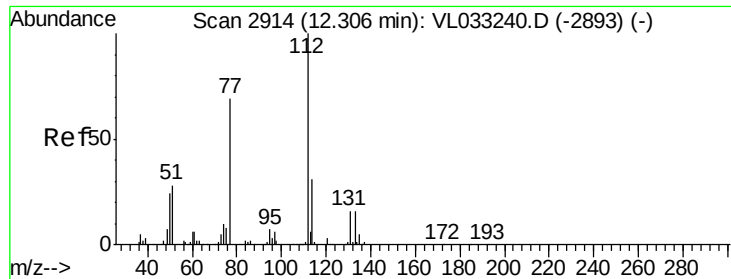


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

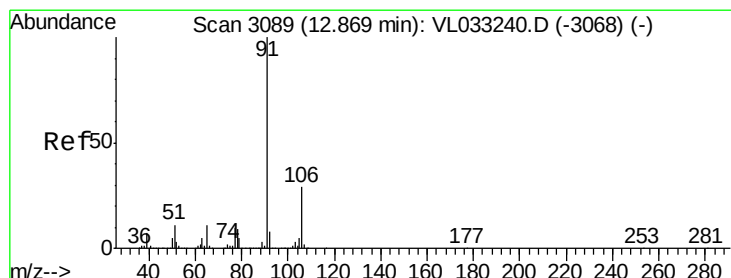
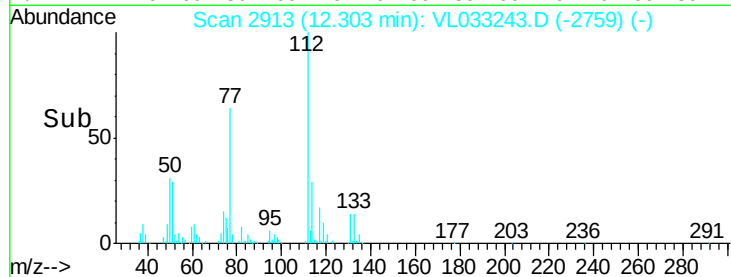
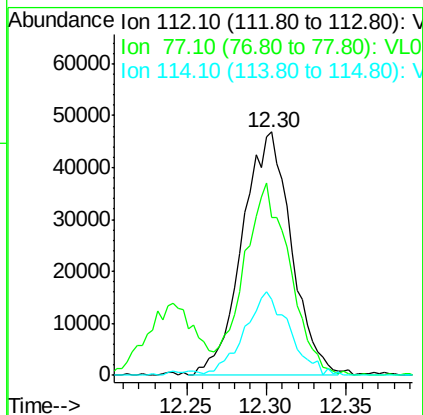
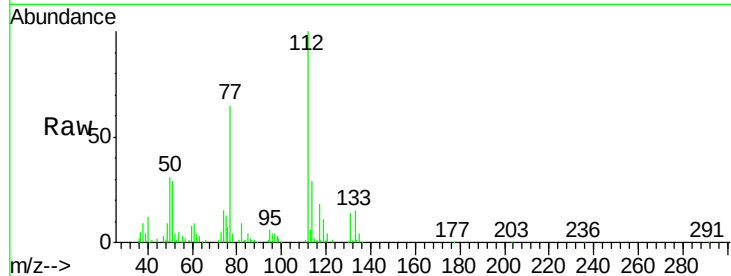
Ion 119.00 (118.70 to 119.70): V





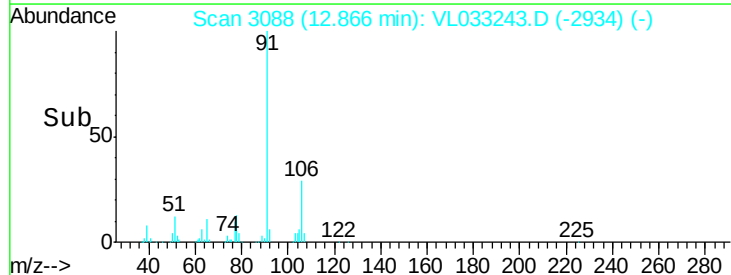
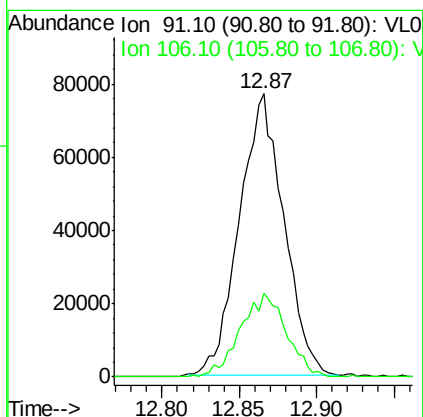
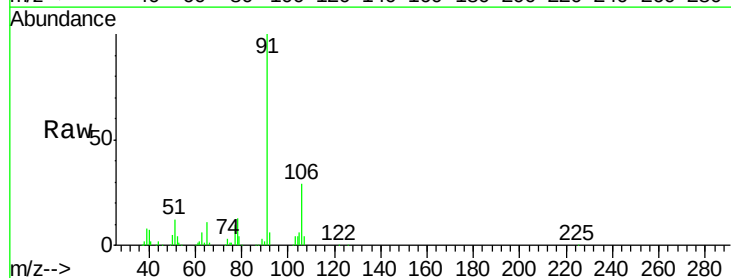
#57
Chlorobenzene
Concen: 0.482 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

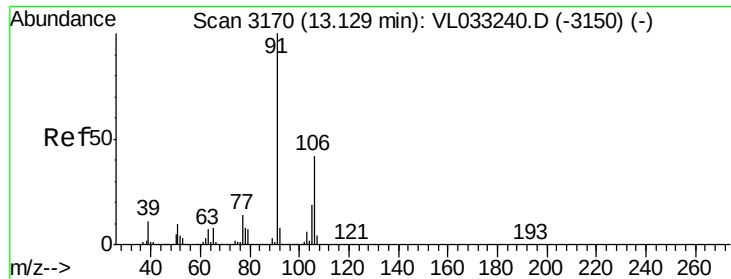
Tot Ion: 112 Resp: 98509
Ion Ratio Lower Upper
112 100
77 63.8 56.5 84.7
114 29.8 28.4 34.7



#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

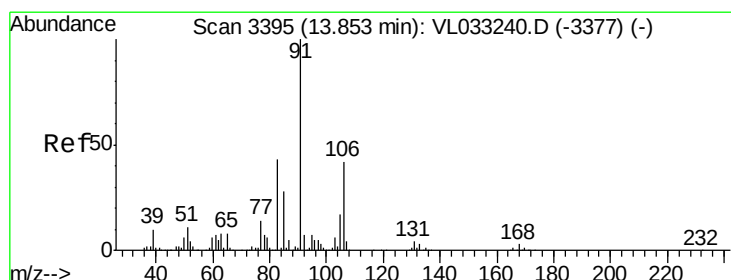
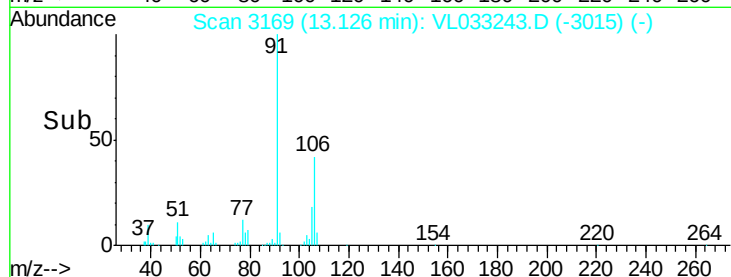
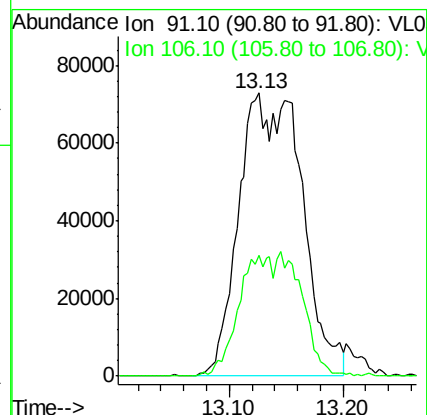
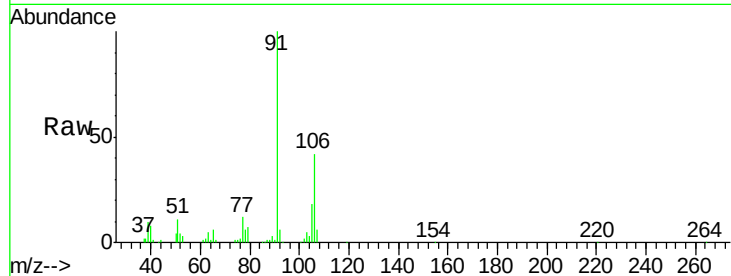
Tgt Ion: 91 Resp: 153697
Ion Ratio Lower Upper
91 100
106 29.6 23.5 35.3





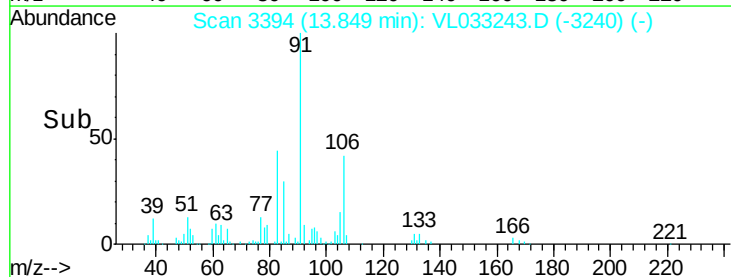
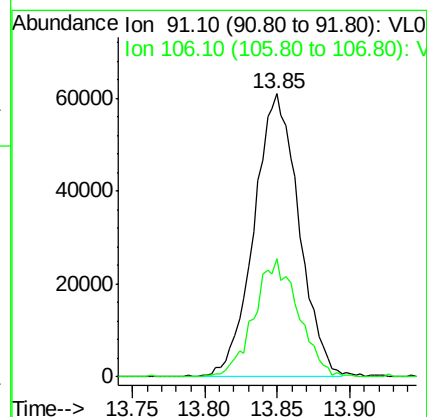
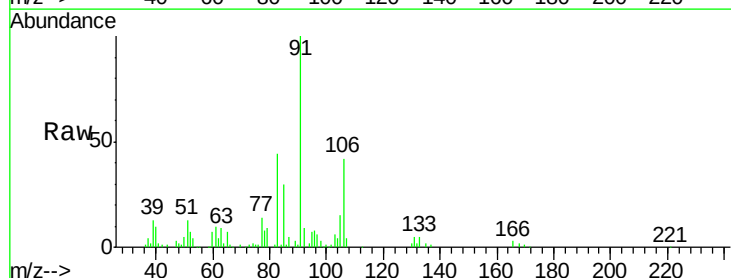
#59
m/p-Xylene
Concen: 0.884 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

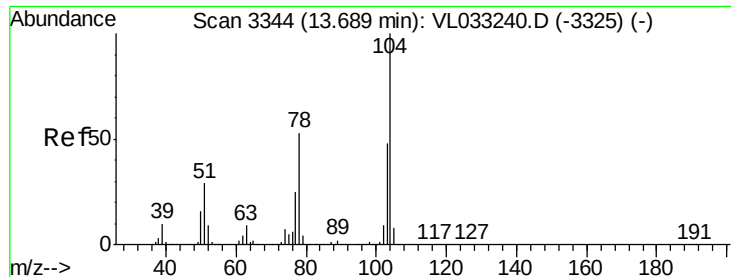
Tot Ion: 91 Resp: 279597
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#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

Stvrene

Concen: 0.379 ppbv m

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

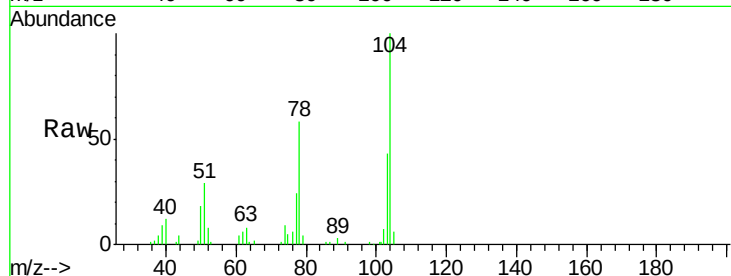
Tot Ion:104 Resp: 87010

Ion	Ratio	Lower	Upper
104	100		
78	52.9	43.7	65.5
103	46.0	38.2	57.2

104 100

78 52.9 43.7 65.5

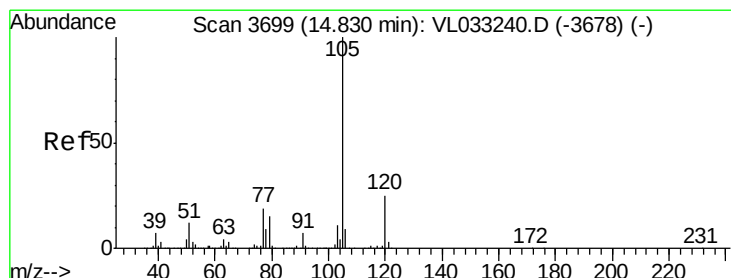
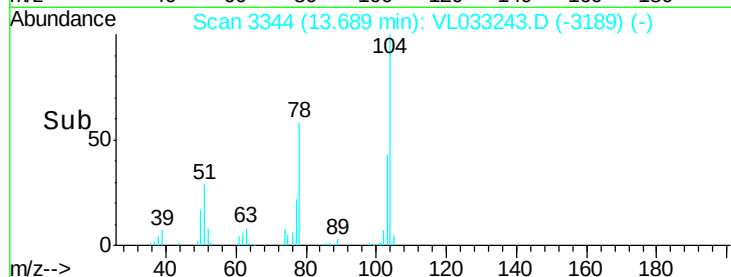
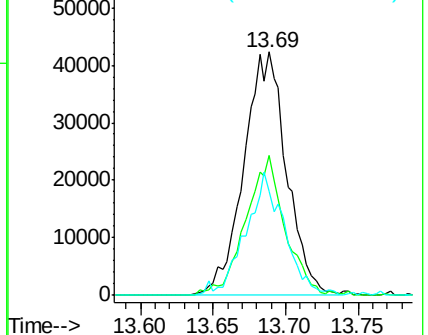
103 46.0 38.2 57.2



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: 0.439 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033243.D

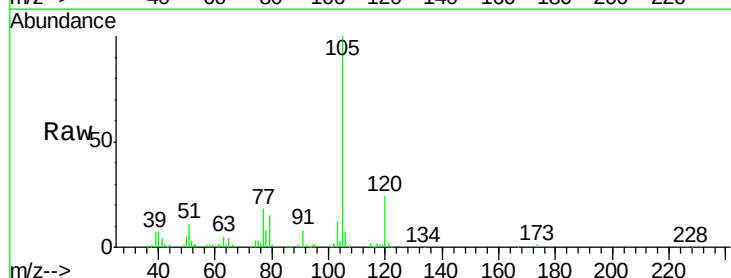
Acq: 6 Mar 2019 3:55

Tgt Ion:105 Resp: 189279

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.1	30.1

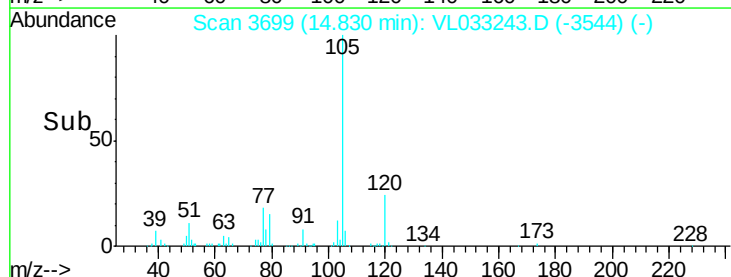
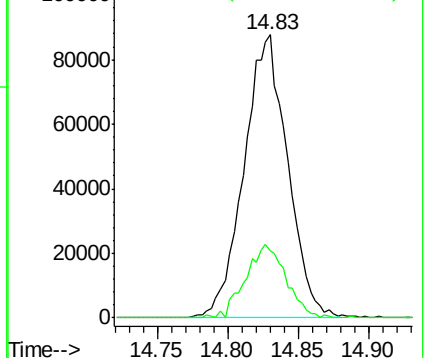
105 100

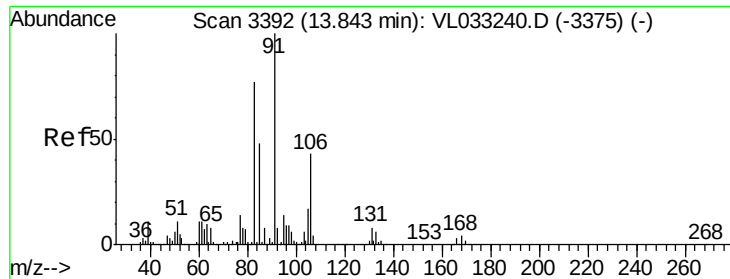
120 24.1 20.1 30.1



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: 0.396 ppbv m

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

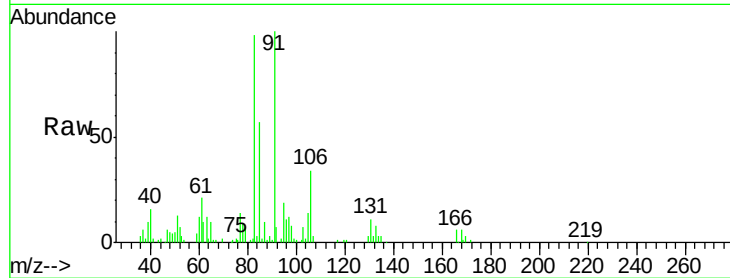
Tot Ion: 83 Resp: 94969

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.0

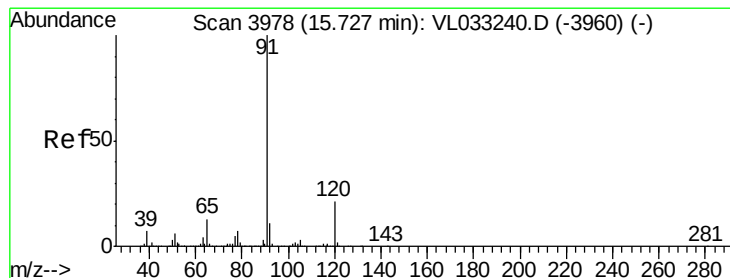
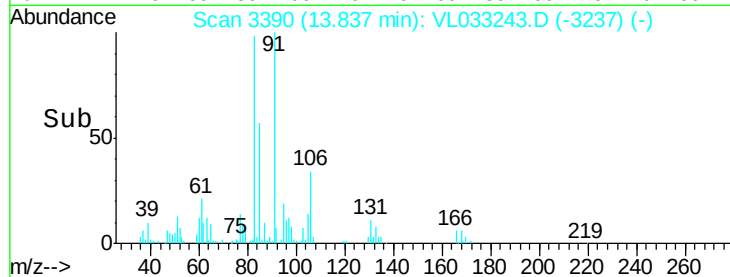
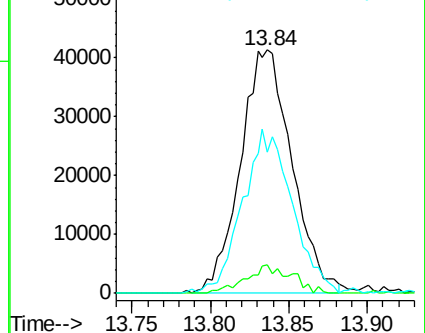
85 65.1 32.6 97.8



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: 0.417 ppbv m

RT: 15.72 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL033243.D

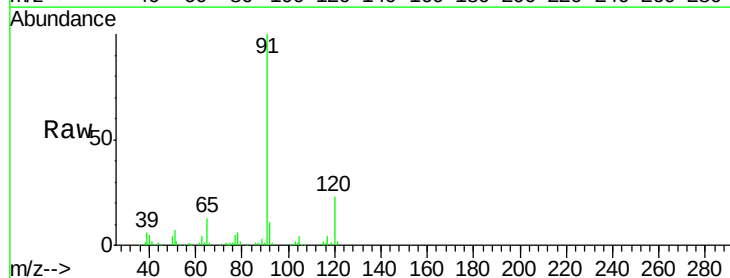
Acq: 6 Mar 2019 3:55

Tgt Ion:120 Resp: 45507

Ion Ratio Lower Upper

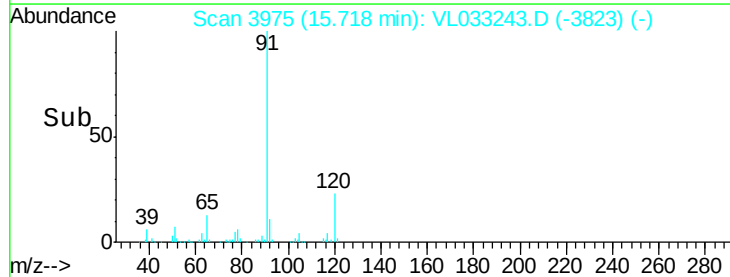
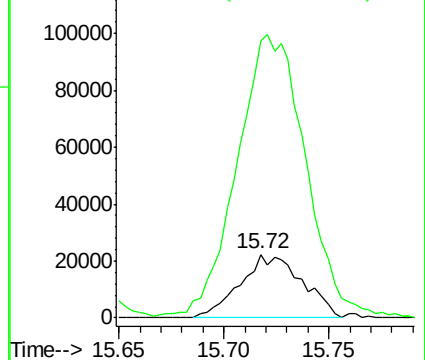
120 100

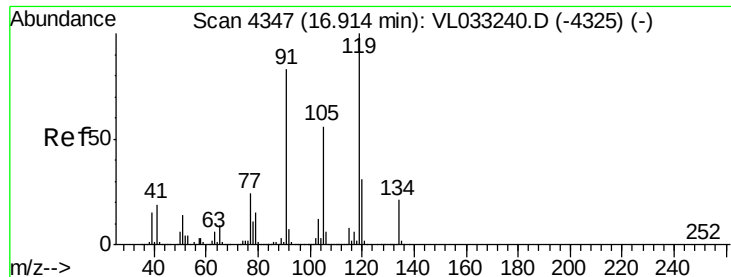
91 499.3 392.2 588.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#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

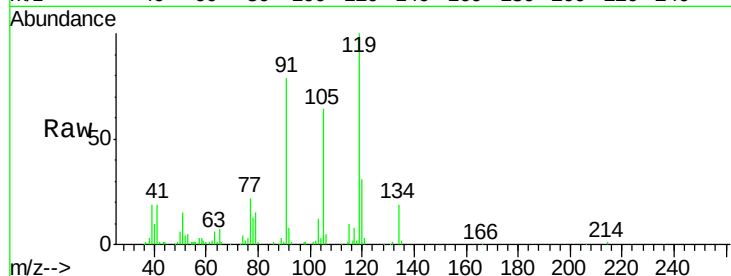
Tot Ion: 119 Resp: 157431

Ion Ratio Lower Upper

119 100

91 84.1 67.0 100.4

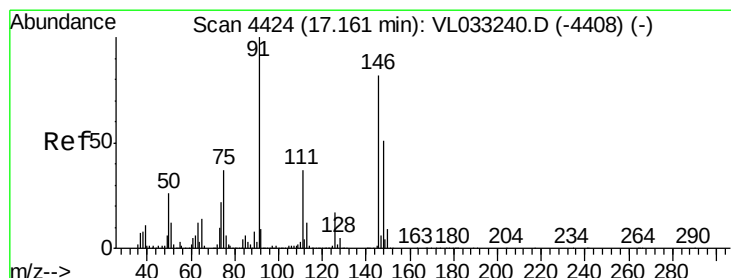
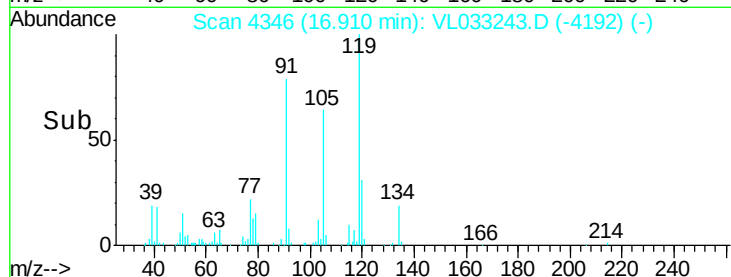
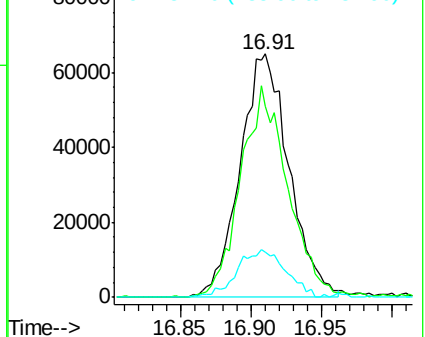
134 19.5 15.4 23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.335 ppbv m

RT: 17.16 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

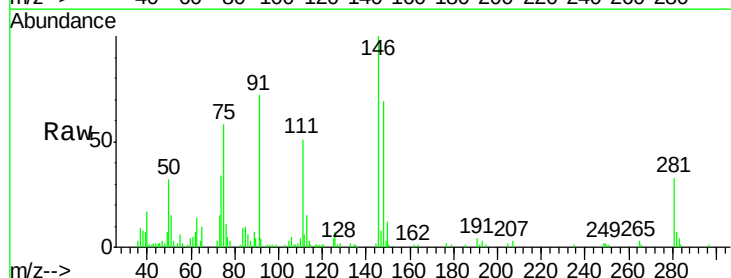
Tgt Ion: 91 Resp: 43949

Ion Ratio Lower Upper

91 100

126 12.0 13.4 20.0#

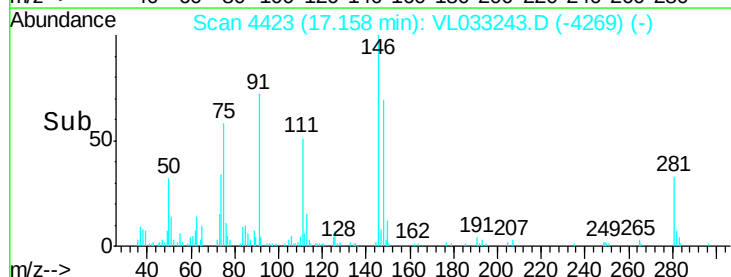
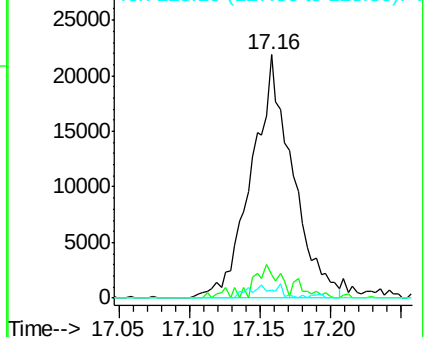
128 3.8 4.2 6.2#

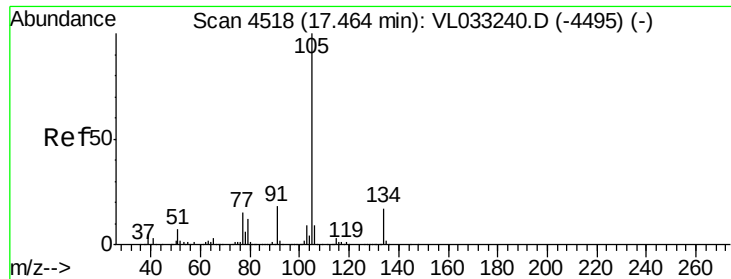


Abundance Ion 91.10 (90.80 to 91.80): VL0

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

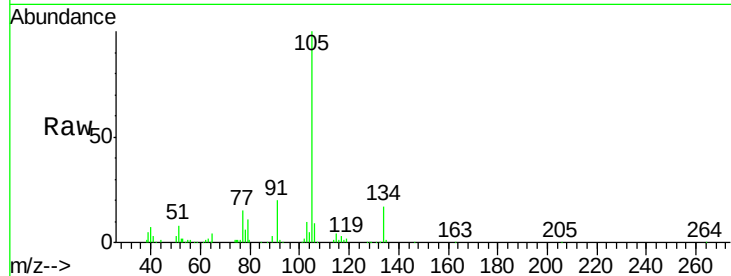
Acq: 6 Mar 2019 3:55

Tot Ion: 105 Resp: 227985

Ion Ratio Lower Upper

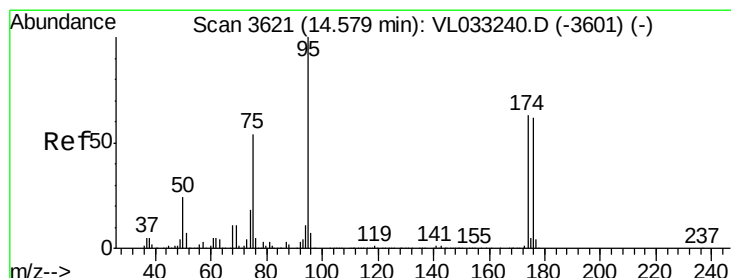
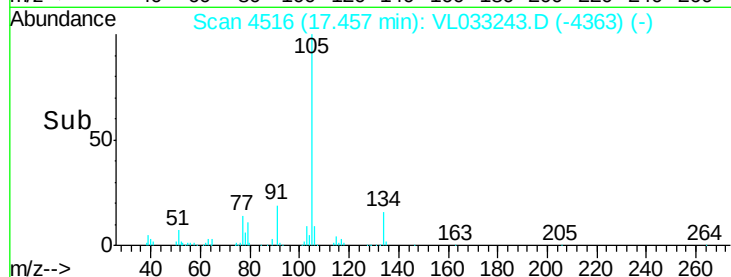
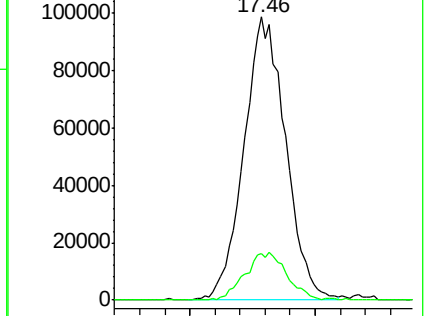
105 100

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

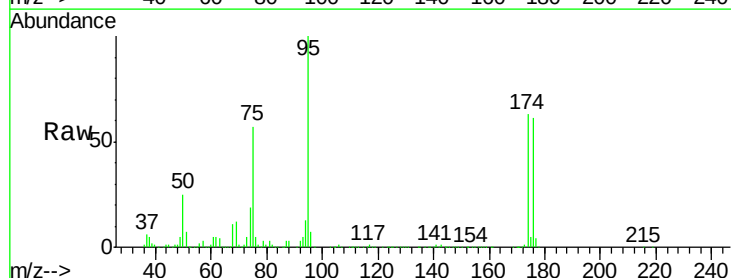
Tgt Ion: 95 Resp: 1821618

Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.4

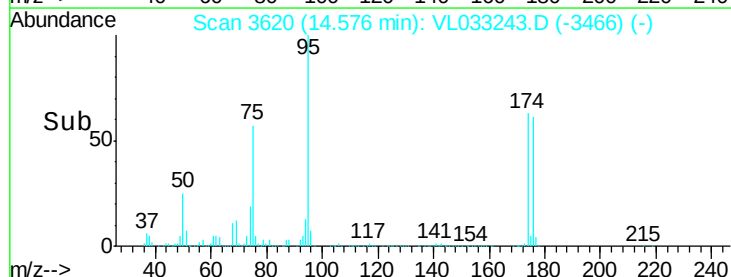
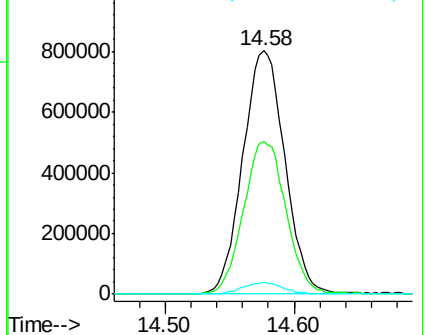
175 4.5 3.8 5.6

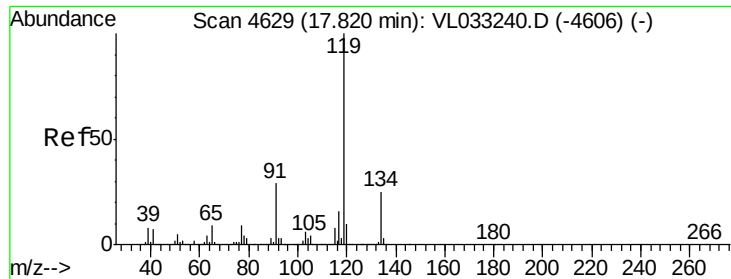


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

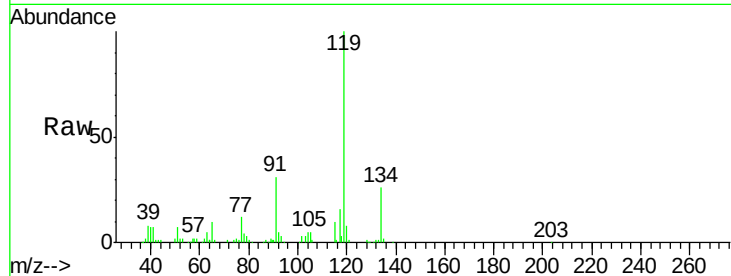
Ion 175.00 (174.70 to 175.70): V



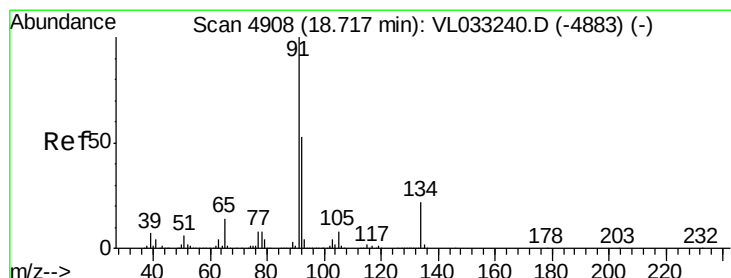
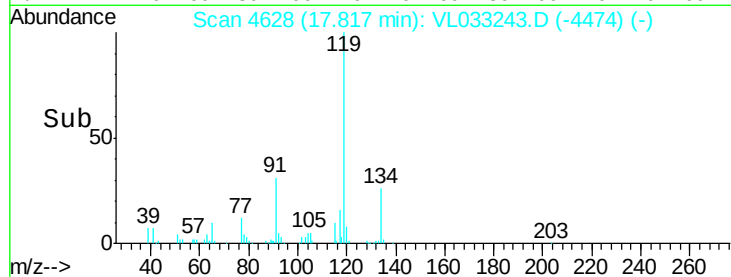
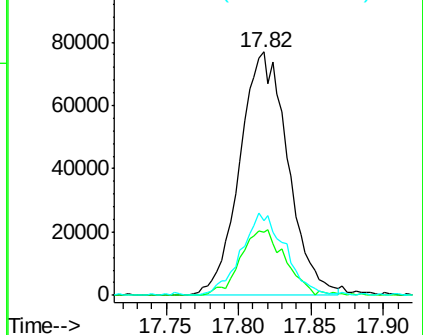


#69
 p-Isopropyltoluene
 Concen: 0.394 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	19.9	29.9
91	31.5	23.9	35.9

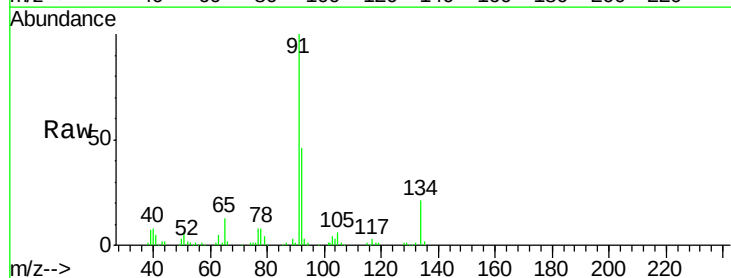


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

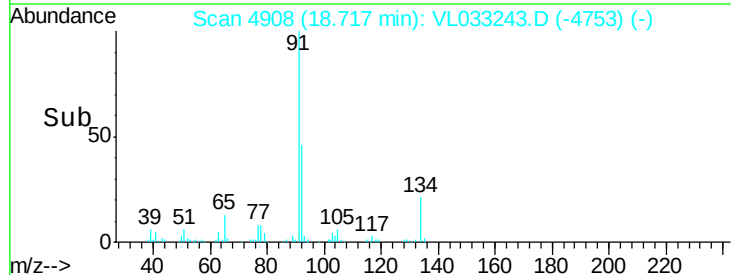
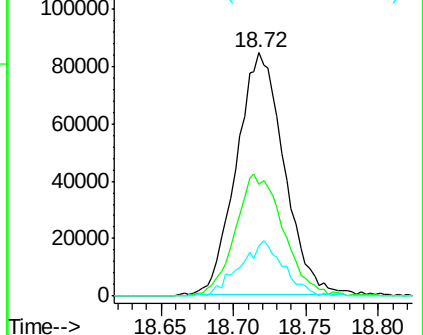


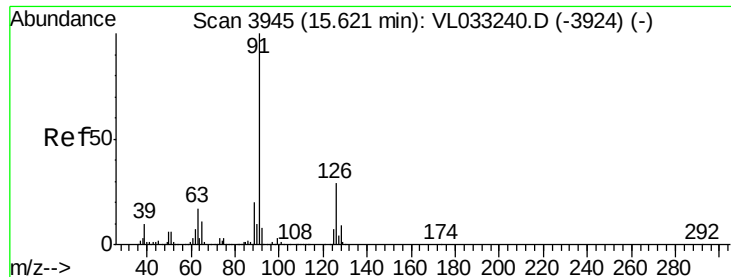
#70
 n-Butylbenzene
 Concen: 0.391 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

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



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.412 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL033243.D

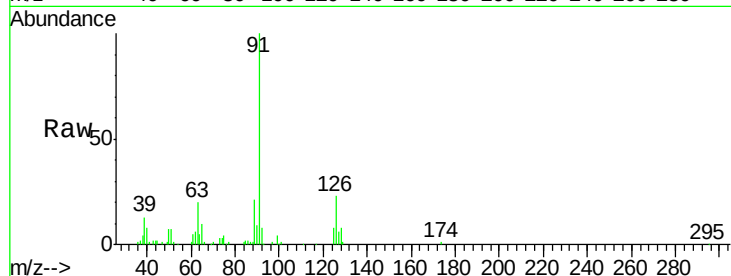
Acq: 6 Mar 2019 3:55

Tot Ion: 91 Resp: 139083

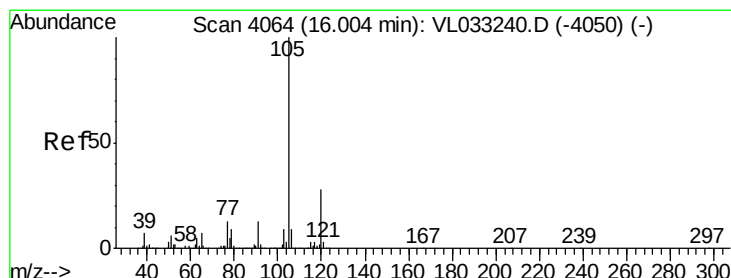
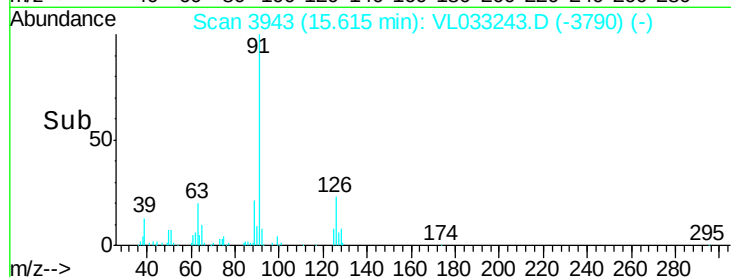
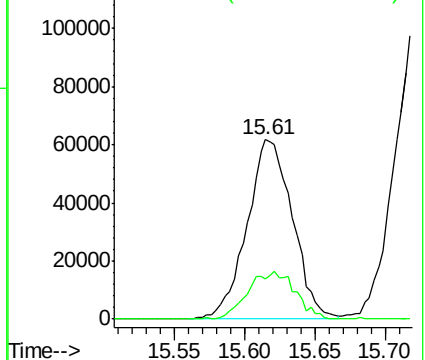
Ion Ratio Lower Upper

91 100

126 27.7 11.6 46.2



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



#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

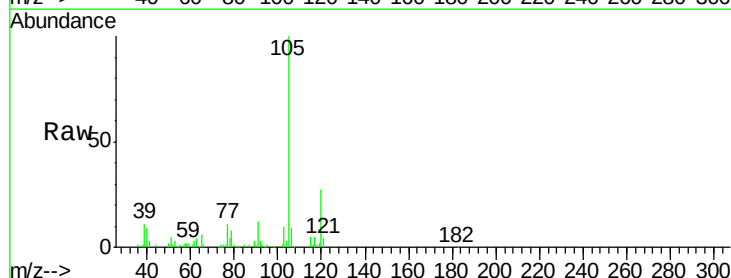
Ion Ratio Lower Upper

105 100

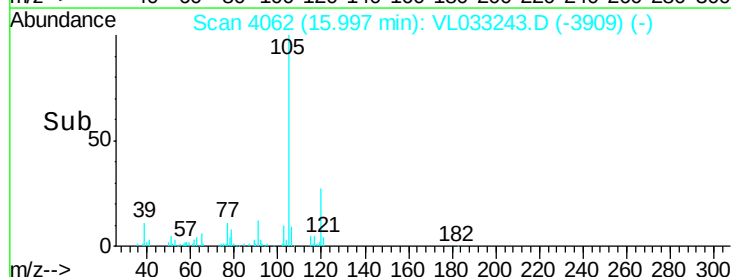
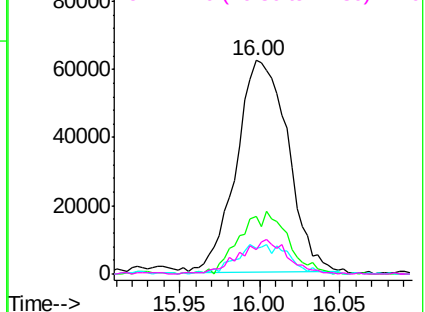
120 28.2 22.3 33.5

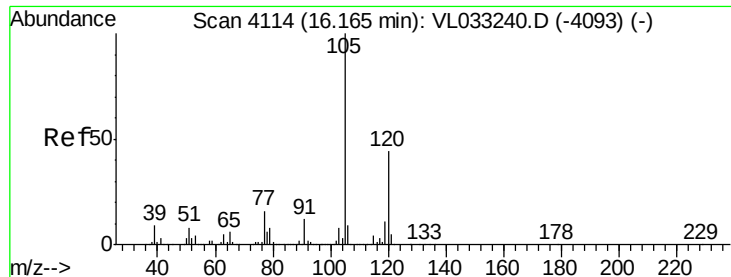
91 14.4 10.3 15.5

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

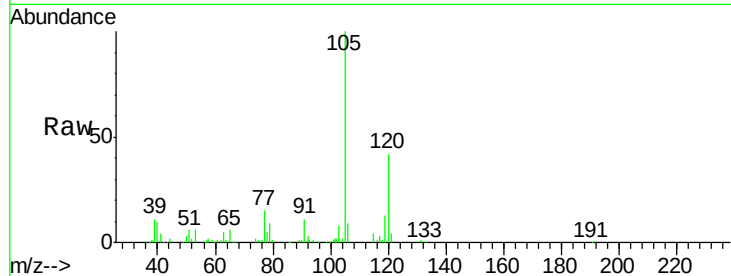




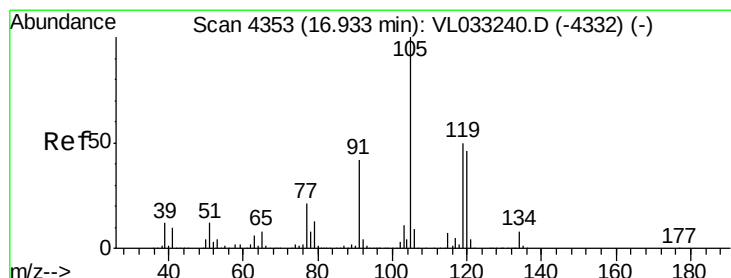
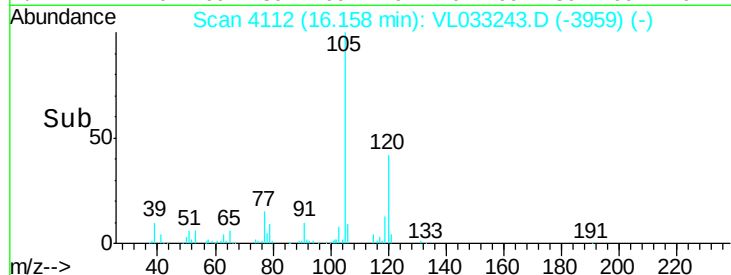
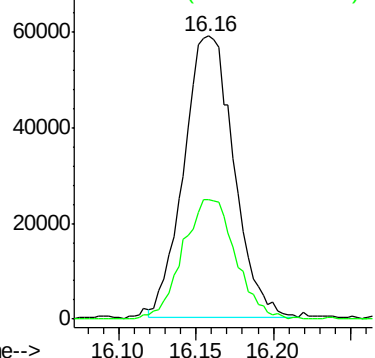
#73

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

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



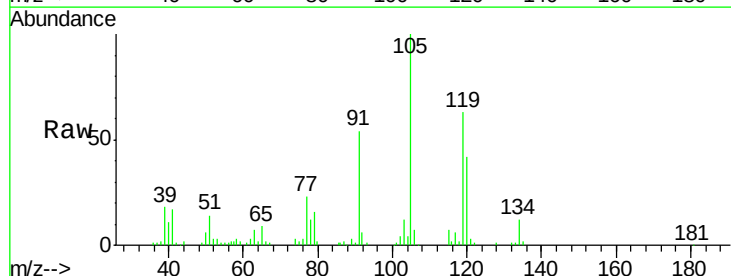
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



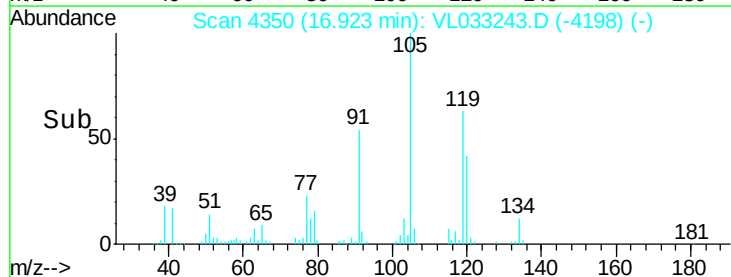
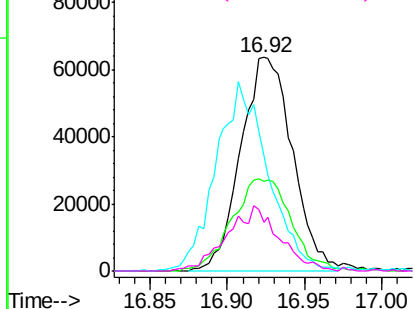
#74

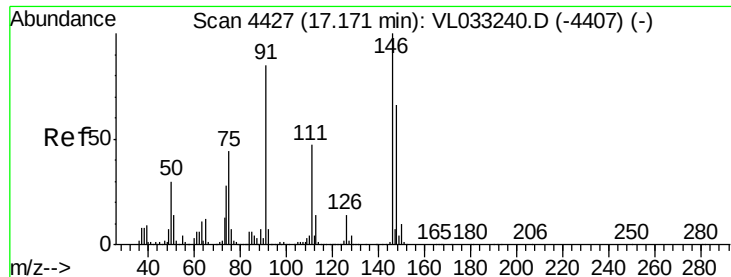
1,2,4-Trimethylbenzene
Concen: 0.423 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033243.D
Acq: 6 Mar 2019 3:55

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: 0.448 ppbv m

RT: 17.17 min Scan# 4427

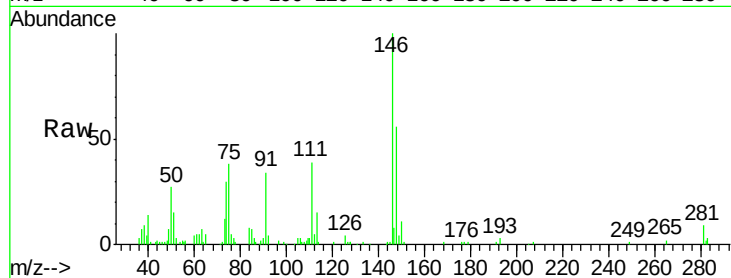
Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tot Ion:146 Resp: 89900

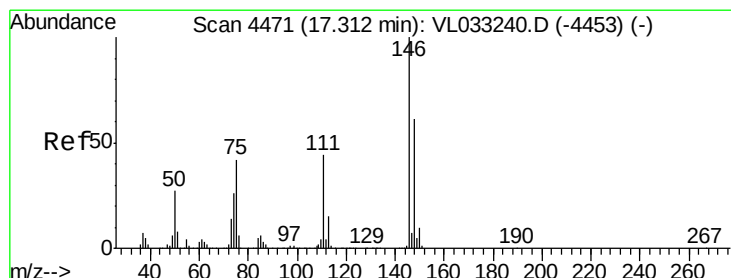
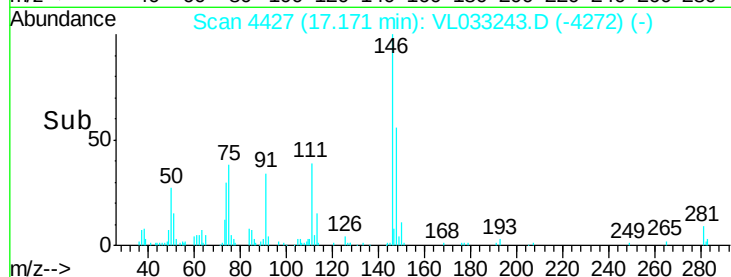
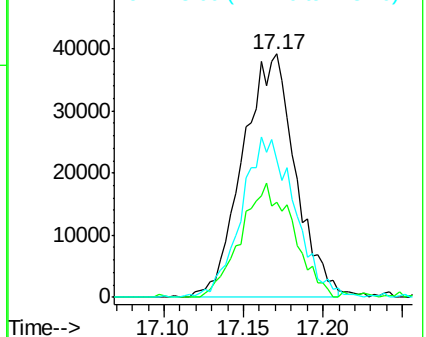
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.4	70.0
148	66.9	32.1	96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.434 ppbv

RT: 17.30 min Scan# 4468

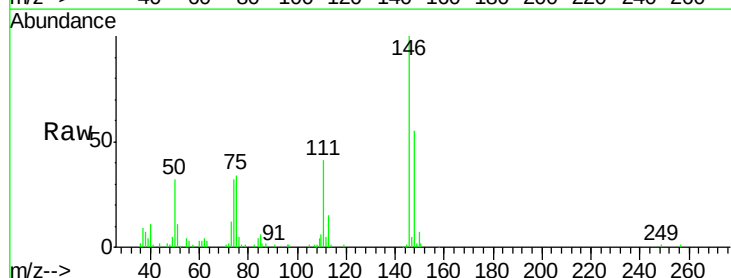
Delta R.T. -0.01 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

Tgt Ion:146 Resp: 86055

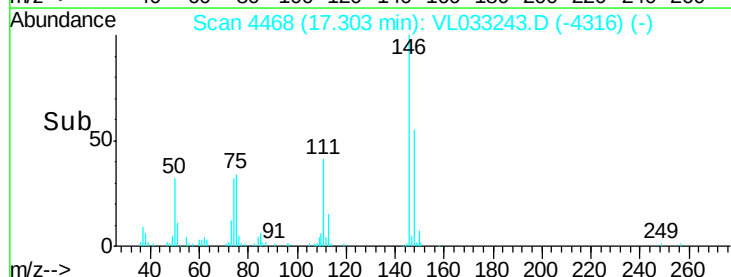
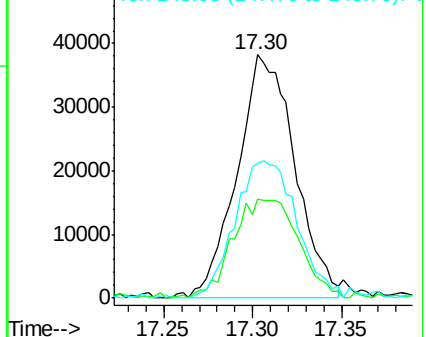
Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.4	67.3
148	61.9	32.1	96.3

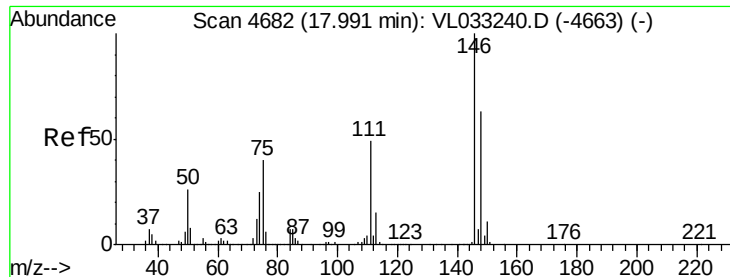


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

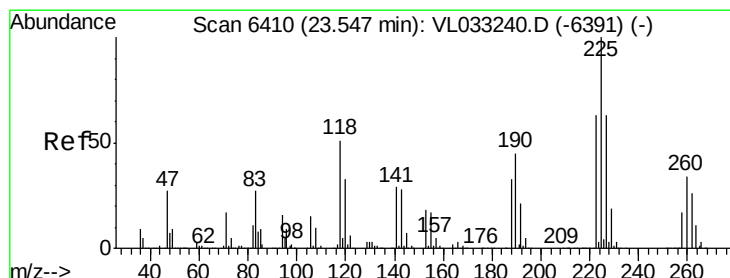
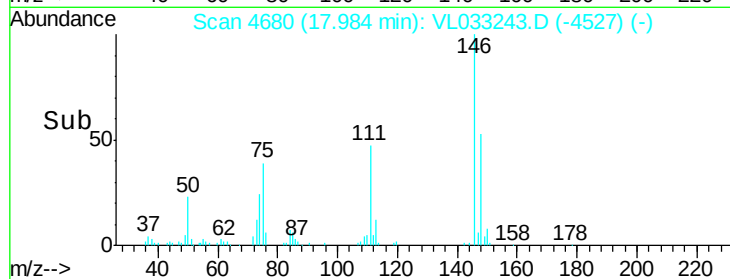
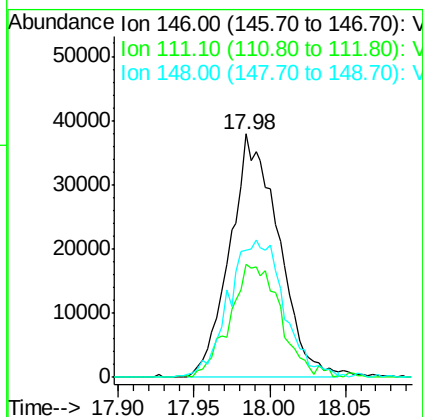
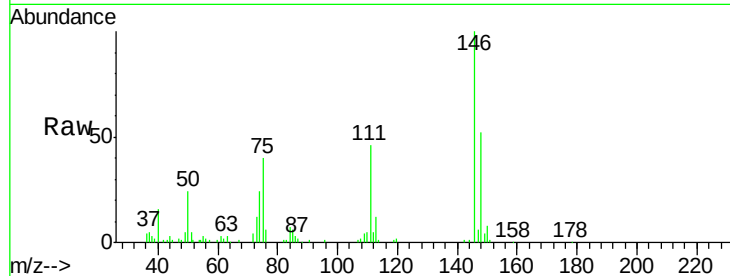
Ion 148.00 (147.70 to 148.70): V





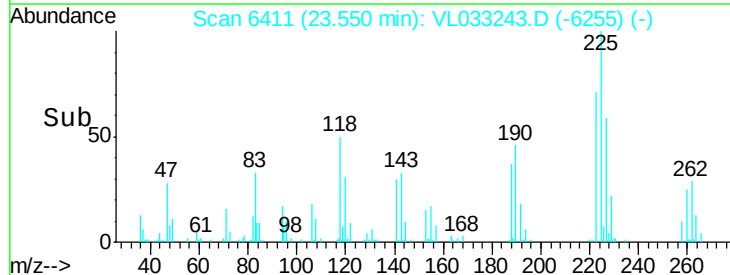
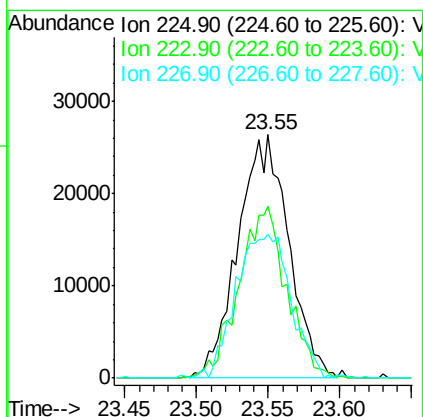
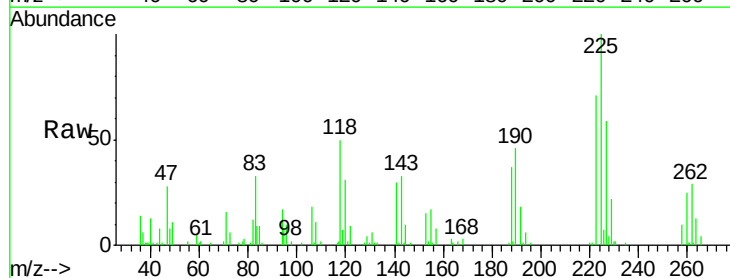
#77
 1,2-Dichlorobenzene
 Concen: 0.428 ppbv m
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

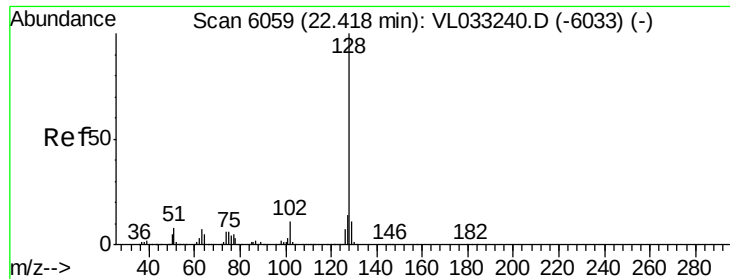
Tot Ion:146 Resp: 84840
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.6 71.0
 148 0.0 32.3 96.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.618 ppbv m
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033243.D
 Acq: 6 Mar 2019 3:55

Tgt Ion:225 Resp: 64916
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.9 76.3#
 227 0.0 50.7 76.1#





#79

Naphthalene

Concen: 0.355 ppbv m

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

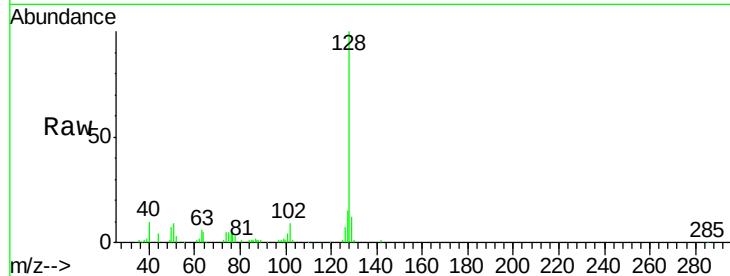
Tot Ion:128 Resp: 140781

Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

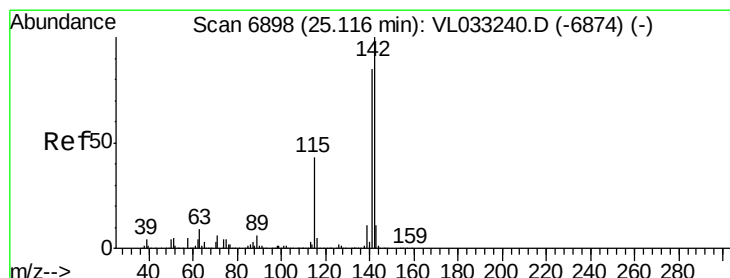
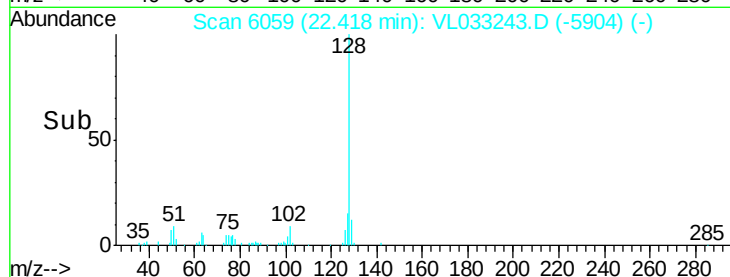
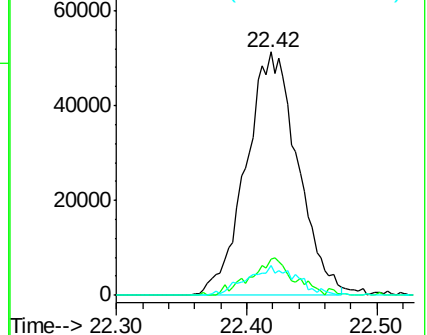
129 12.2 8.6 13.0



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

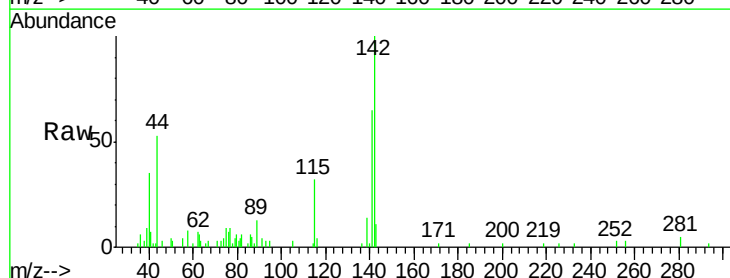
Tgt Ion:142 Resp: 19193

Ion Ratio Lower Upper

142 100

141 86.6 68.0 102.0

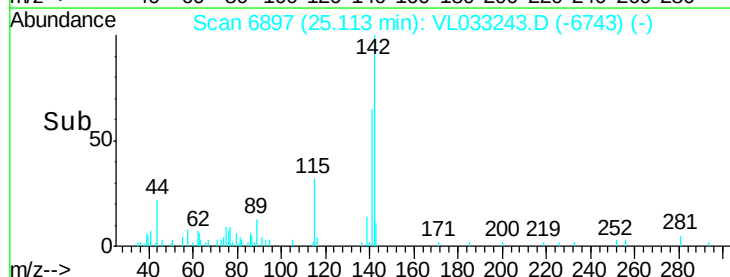
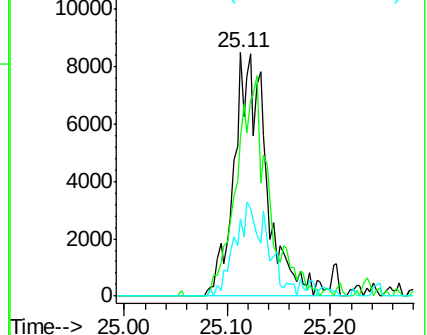
115 36.4 34.1 51.1

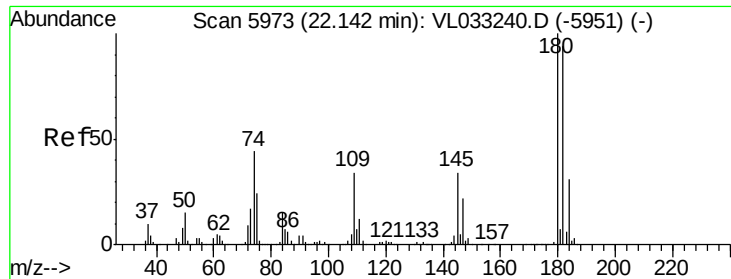


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.408 ppbv m

RT: 22.14 min Scan# 5973

Delta R.T. -0.00 min

Lab File: VL033243.D

Acq: 6 Mar 2019 3:55

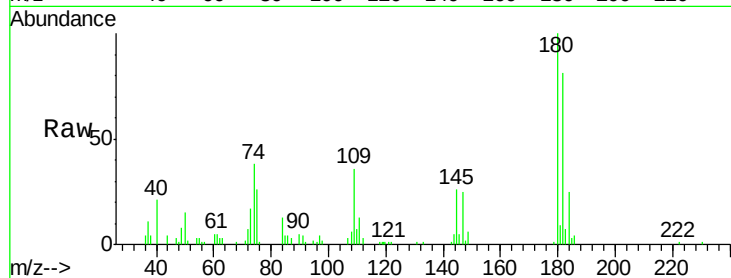
Tot Ion:180 Resp: 80972

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

