

Data File : VL033252.D
Acq On : 6 Mar 2019 11:42
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:33:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	991877	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2196058	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2160514	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 1690667 10.31 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 103.10%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	96334	0.688 ppbv	98
3) Chlorodifluoromethane	3.02	51	54607	0.481 ppbv	99
4) Chloromethane	3.17	50	30940	0.529 ppbv	92
5) Vinyl Chloride	3.29	62	27708	0.423 ppbv #	86
6) Bromomethane	3.52	94	16677	0.445 ppbv #	78
7) Chloroethane	3.61	64	9130	0.417 ppbv #	85
8) Dichlorotetrafluoroethane	3.22	85	73970	0.534 ppbv	97
9) Propene	3.04	41	25924	0.512 ppbv	89
10) Heptane	8.24	43	24333	0.177 ppbv #	22
11) Trichlorofluoromethane	4.01	101	77223	0.469 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	47943	0.449 ppbv	99
13) Ethanol	3.66	45	6175	0.408 ppbv #	40
14) Bromoethene	3.79	108	18331	0.408 ppbv	91
15) Acetone	3.92	43	67912	0.532 ppbv	93
16) 1,3-Butadiene	3.36	39	19827	0.389 ppbv #	78
17) tert-Butyl alcohol	4.35	59	252	0.012 ppbv #	74
18) 1,1-Dichloroethene	4.35	96	20750	0.437 ppbv	85
19) Isopropyl Alcohol	4.05	45	33942	0.447 ppbv #	93
20) Methylene Chloride	4.41	84	23170	0.479 ppbv	99
21) Allyl Chloride	4.48	41	30518	0.428 ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	21652	0.447 ppbv	91
23) Vinyl Acetate	5.16	43	65961	0.350 ppbv #	94
24) 1,1-Dichloroethane	5.09	63	29718	0.221 ppbv	98
25) Ethyl Acetate	5.78	43	97655	0.417 ppbv	99
26) Hexane	5.78	57	44676	0.408 ppbv	95
27) Carbon Disulfide	4.63	76	40144	0.381 ppbv #	94
28) Methyl tert-Butyl Ether	5.13	73	57357	0.380 ppbv	98
29) Chloroform	5.85	83	39220	0.231 ppbv	86
30) Cyclohexane	7.24	84	27159	0.332 ppbv	85
31) cis-1,2-Dichloroethene	5.64	61	40214	0.381 ppbv #	80
32) 1,1,1-Trichloroethane	6.62	97	61237	0.371 ppbv	94
34) 2-Butanone	5.34	43	56232	0.370 ppbv	98
35) Carbon Tetrachloride	7.13	117	39732	0.239 ppbv	96
36) Benzene	7.00	78	77309	0.375 ppbv	96
37) 1,2-Dichloroethane	6.41	62	55477	0.432 ppbv	99
38) Trichloroethene	7.96	130	30198	0.388 ppbv	90
39) 1,2-Dichloropropane	7.74	63	13376	0.166 ppbv	97
40) 1,4-Dioxane	7.98	88	828	0.028 ppbv #	1
41) Tetrahydrofuran	6.18	42	28703	0.343 ppbv	97
42) Bromodichloromethane	7.91	83	66590	0.367 ppbv	98
43) Methyl Methacrylate	8.15	69	26763	0.321 ppbv	95

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
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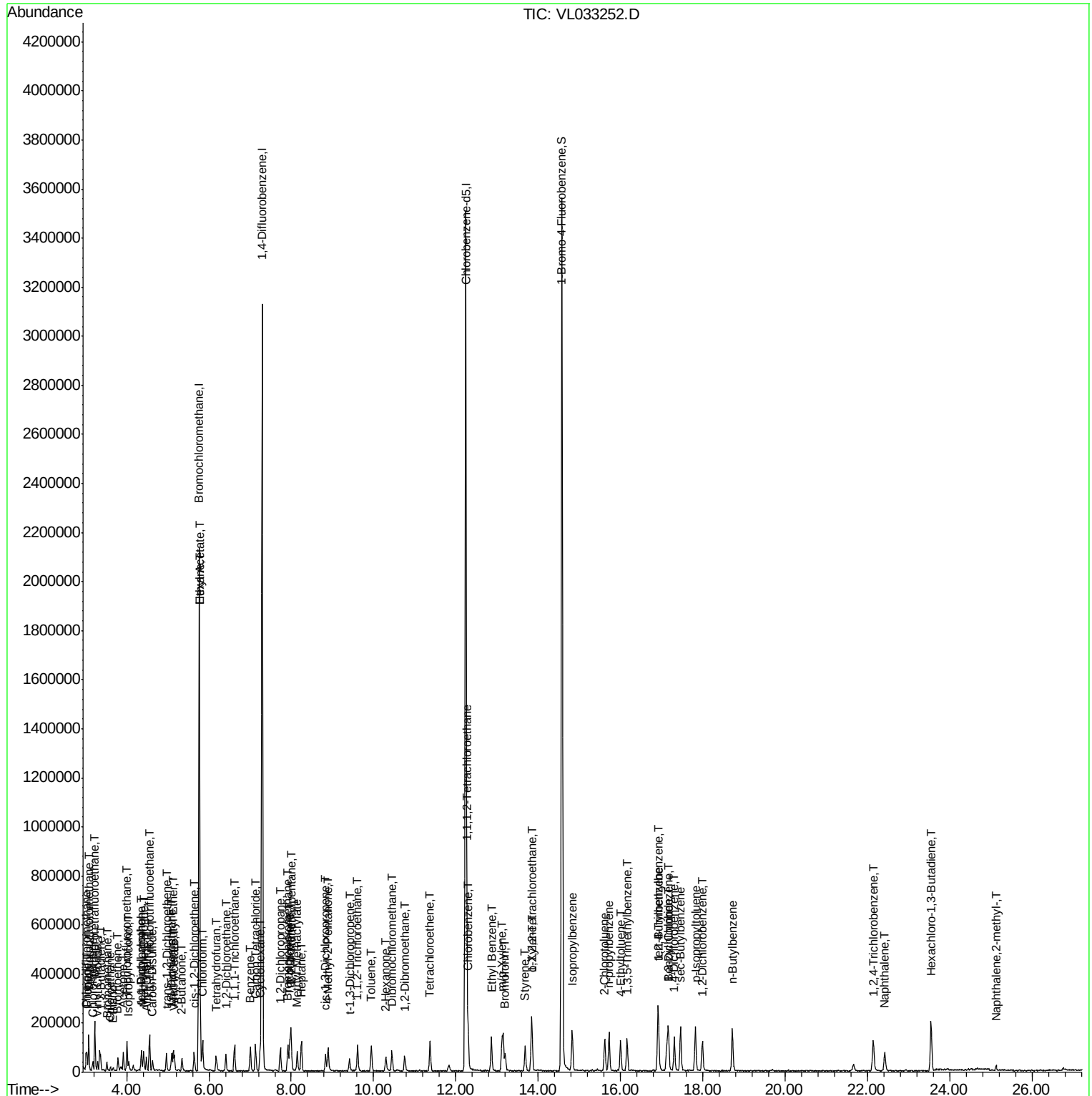
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	138513	0.380	ppbv	95
45) t-1,3-Dichloropropene	9.41	75	19963	0.198	ppbv #	80
46) cis-1,3-Dichloropropene	8.83	75	37190	0.309	ppbv	88
47) 1,1,2-Trichloroethane	9.61	97	31882	0.368	ppbv	95
48) Dibromochloromethane	10.45	129	48840	0.348	ppbv	100
49) Bromoform	13.19	173	23296	0.208	ppbv #	45
50) 4-Methyl-2-Pentanone	8.89	43	46946	0.209	ppbv #	66
51) 2-Hexanone	10.29	43	51396	0.305	ppbv #	99
52) Tetrachloroethene	11.37	164	29368	0.382	ppbv #	83
53) Toluene	9.94	91	76270	0.320	ppbv	98
54) 1,2-Dibromoethane	10.76	107	31420	0.239	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.27	131	11586	0.124	ppbv #	1
57) Chlorobenzene	12.30	112	41662	0.248	ppbv #	95
58) Ethyl Benzene	12.87	91	110715	0.370	ppbv	90
59) m/p-Xylene	13.12	91	64042	0.251	ppbv #	32
60) o-Xylene	13.85	91	64190	0.264	ppbv	68
61) Styrene	13.69	104	56925	0.333	ppbv	96
62) Isopropylbenzene	14.82	105	132069	0.390	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	71856	0.416	ppbv	99
64) n-propylbenzene	15.72	120	32762	0.390	ppbv	96
65) tert-Butylbenzene	16.91	119	56331	0.195	ppbv #	12
66) Benzyl Chloride	17.15	91	12584	0.113	ppbv #	68
67) sec-Butylbenzene	17.46	105	156090	0.379	ppbv	99
69) p-Isopropyltoluene	17.82	119	123093	0.369	ppbv	95
70) n-Butylbenzene	18.72	91	136101	0.373	ppbv	95
71) 2-Chlorotoluene	15.61	91	96481	0.373	ppbv	99
72) 4-Ethyltoluene	16.00	105	87950	0.331	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.15	105	51194	0.201	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	102541	0.383	ppbv #	91
75) 1,3-Dichlorobenzene	17.17	146	50028	0.320	ppbv	72
76) 1,4-Dichlorobenzene	17.31	146	64362	0.415	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	24020	0.158	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.55	225	50029	0.465	ppbv	99
79) Naphthalene	22.41	128	49405	0.151	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	11700	0.120	ppbv	97
81) 1,2,4-Trichlorobenzene	22.14	180	21090	0.128	ppbv #	2

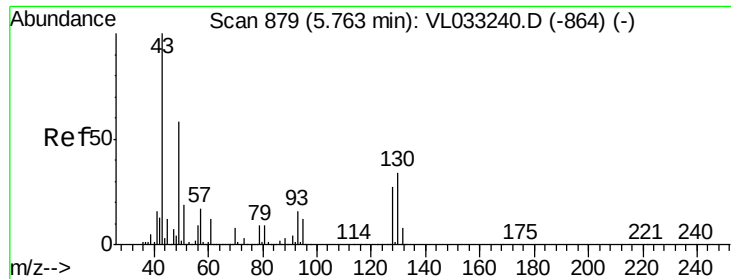
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

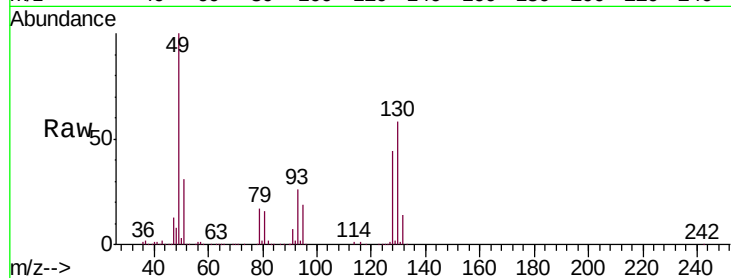
Tgt Ion: 49 Resp: 991877

Ion Ratio Lower Upper

49 100

128 45.6 22.9 68.8

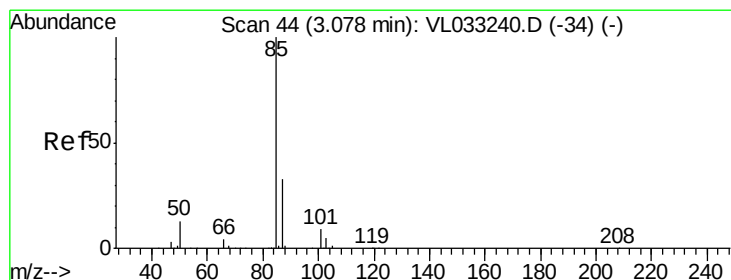
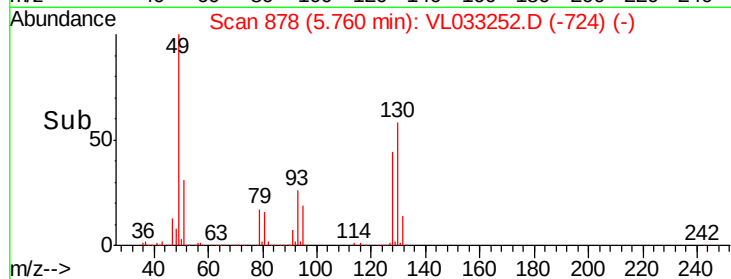
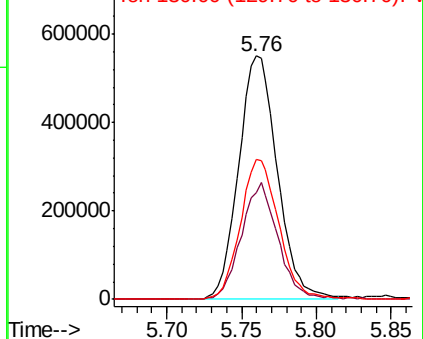
130 57.9 29.3 88.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.688 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033252.D

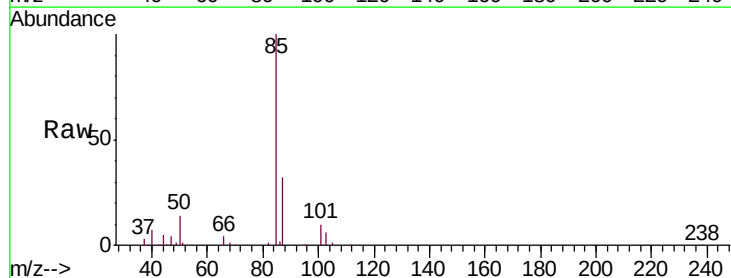
Acq: 6 Mar 2019 11:42

Tgt Ion: 85 Resp: 96334

Ion Ratio Lower Upper

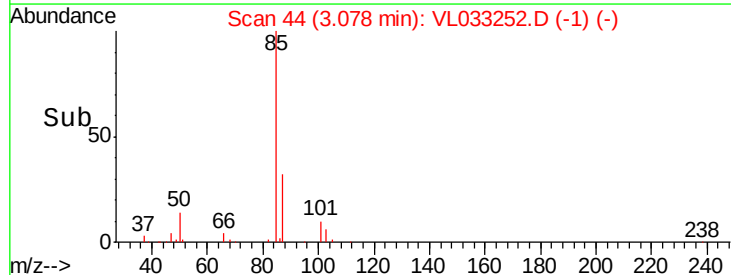
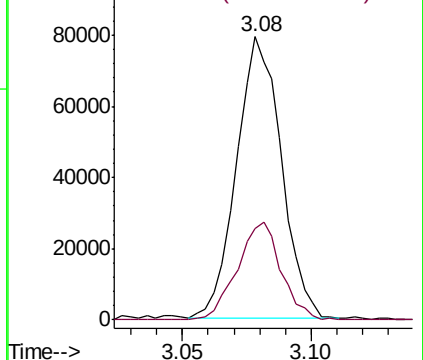
85 100

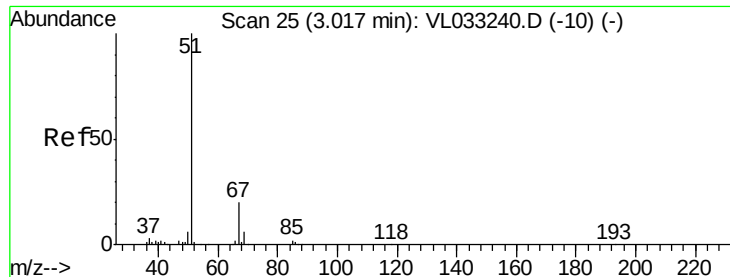
87 32.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

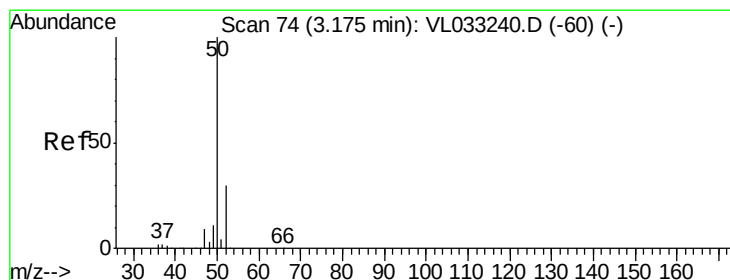
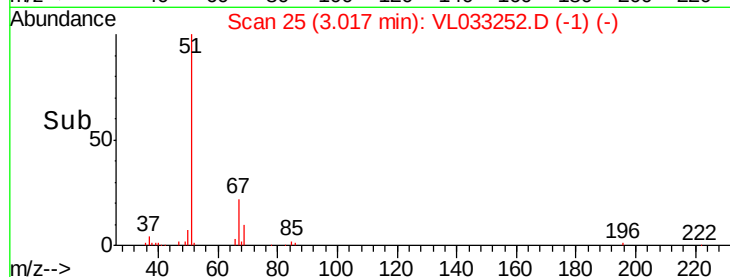
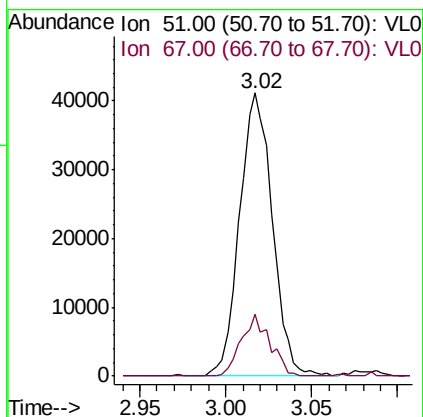
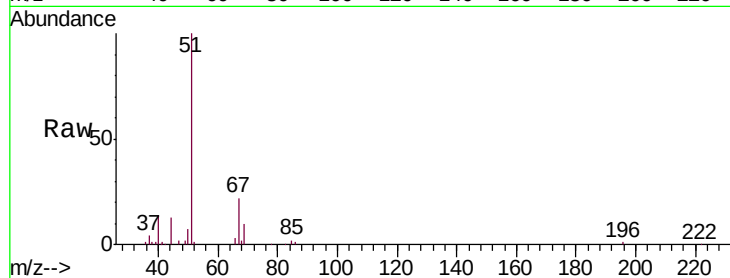
Ion 87.00 (86.70 to 87.70): VL0





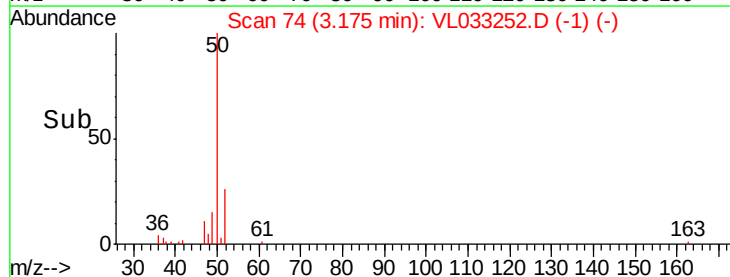
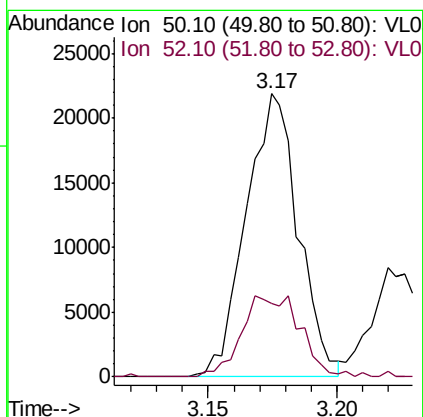
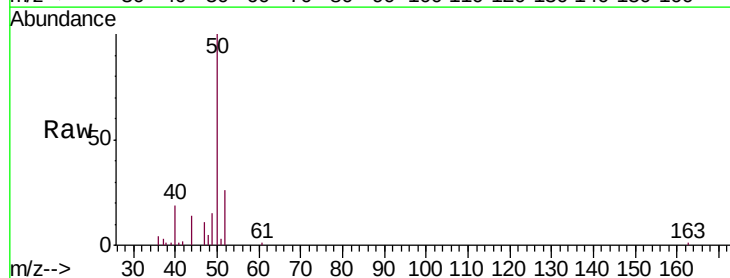
#3
Chlorodifluoromethane
Concen: 0.481 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

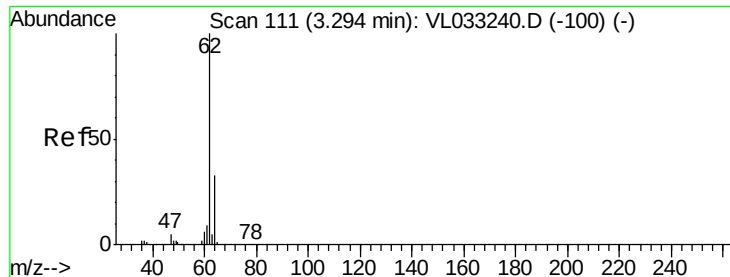
Tgt Ion: 51 Resp: 54607
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.4



#4
Chloromethane
Concen: 0.529 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion: 50 Resp: 30940
Ion Ratio Lower Upper
50 100
52 26.1 24.3 36.5





#5

Vinyl Chloride

Concen: 0.423 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033252.D

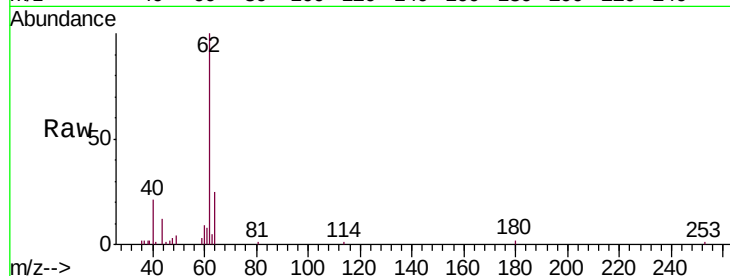
Acq: 6 Mar 2019 11:42

Tgt Ion: 62 Resp: 27708

Ion Ratio Lower Upper

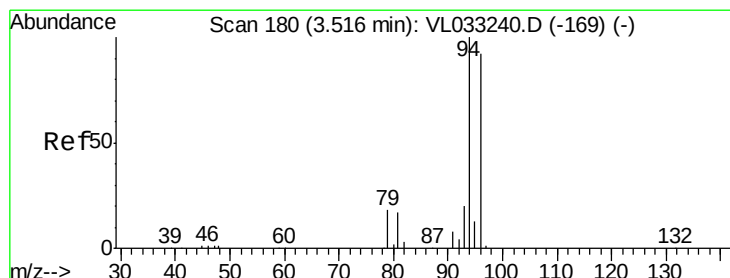
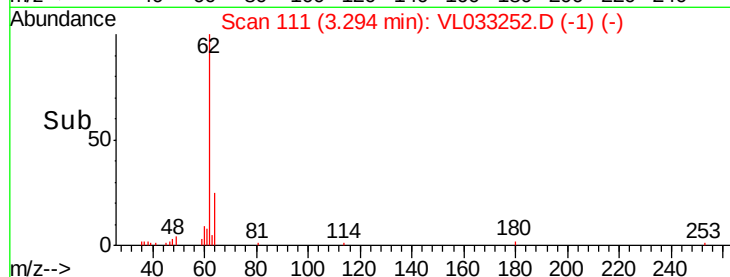
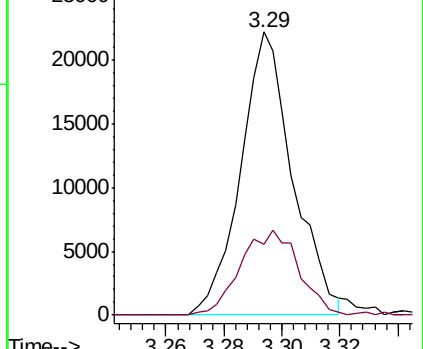
62 100

64 24.9 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: 0.445 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033252.D

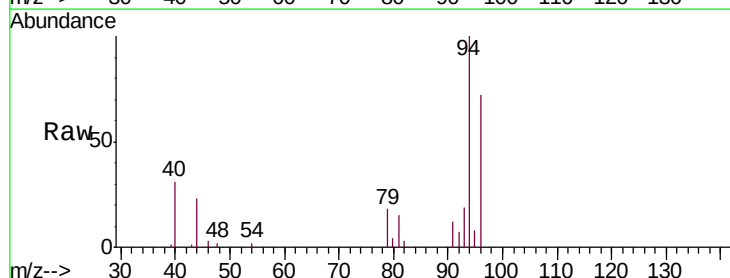
Acq: 6 Mar 2019 11:42

Tgt Ion: 94 Resp: 16677

Ion Ratio Lower Upper

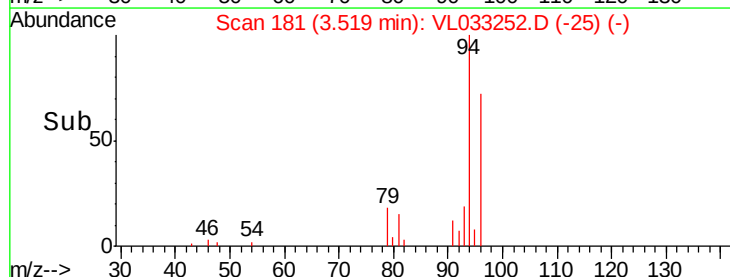
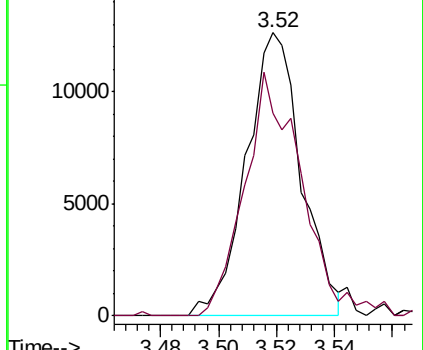
94 100

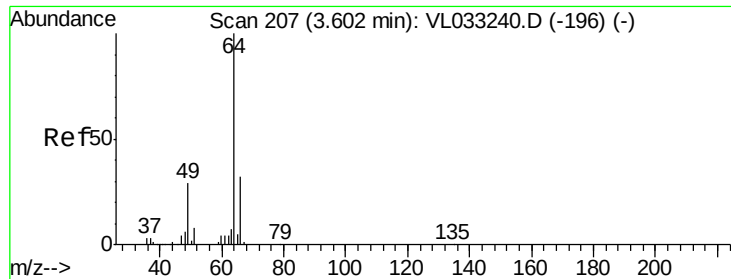
96 71.6 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.417 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033252.D

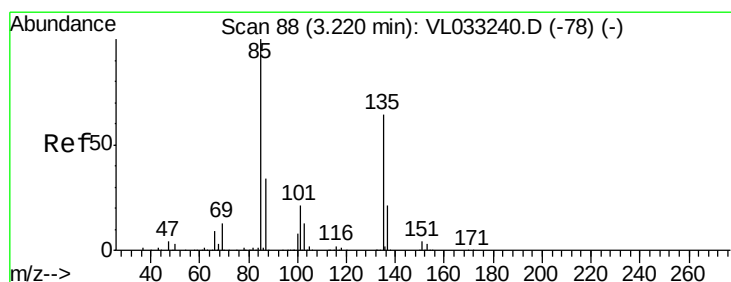
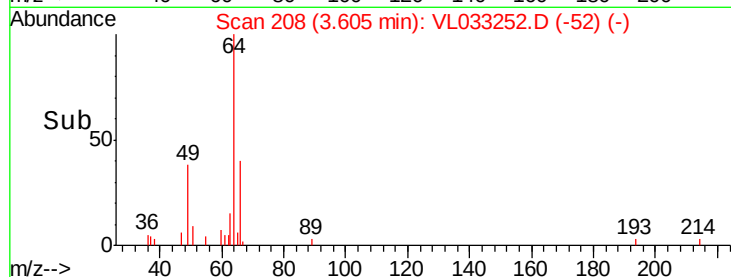
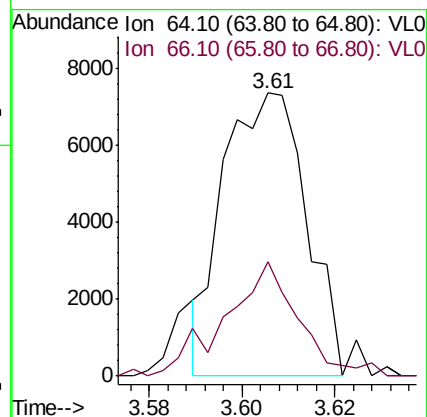
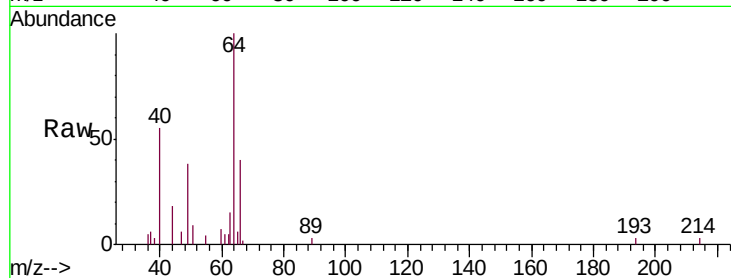
Acq: 6 Mar 2019 11:42

Tgt Ion: 64 Resp: 9130

Ion Ratio Lower Upper

64 100

66 40.2 25.7 38.5#



#8

Dichlorotetrafluoroethane

Concen: 0.534 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033252.D

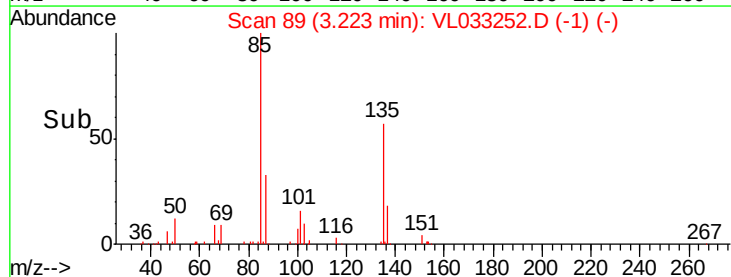
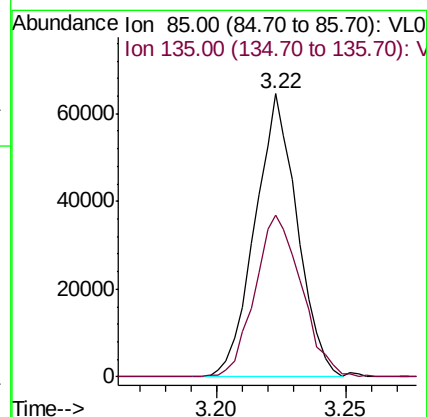
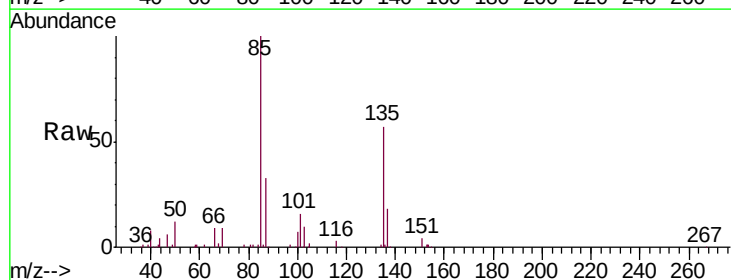
Acq: 6 Mar 2019 11:42

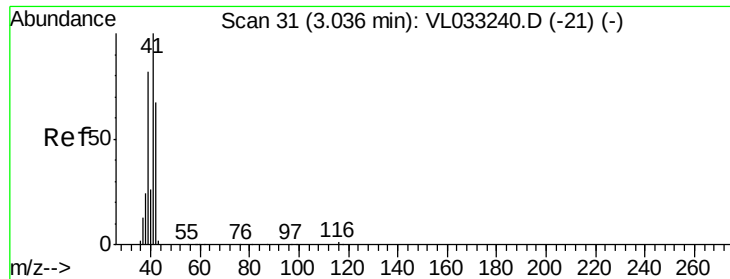
Tgt Ion: 85 Resp: 73970

Ion Ratio Lower Upper

85 100

135 63.0 52.6 79.0





#9

Propene

Concen: 0.512 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033252.D

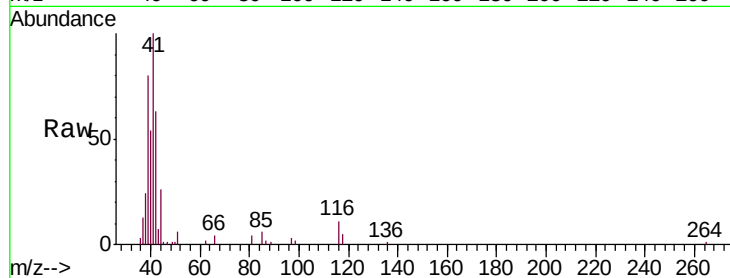
Acq: 6 Mar 2019 11:42

Tgt Ion: 41 Resp: 25924

Ion Ratio Lower Upper

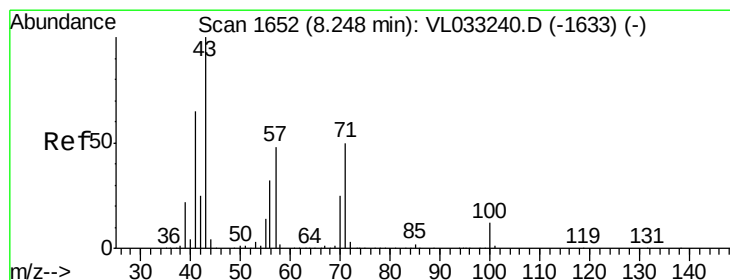
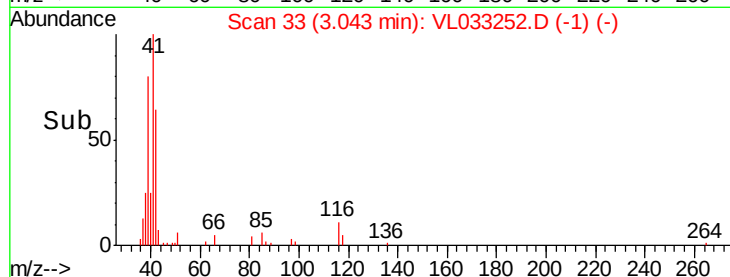
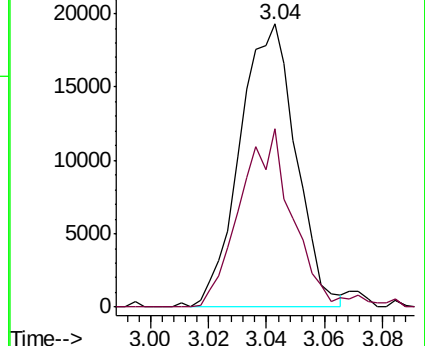
41 100

42 60.5 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: 0.177 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL033252.D

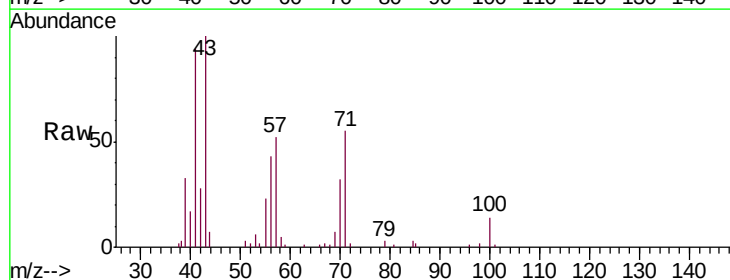
Acq: 6 Mar 2019 11:42

Tgt Ion: 43 Resp: 24333

Ion Ratio Lower Upper

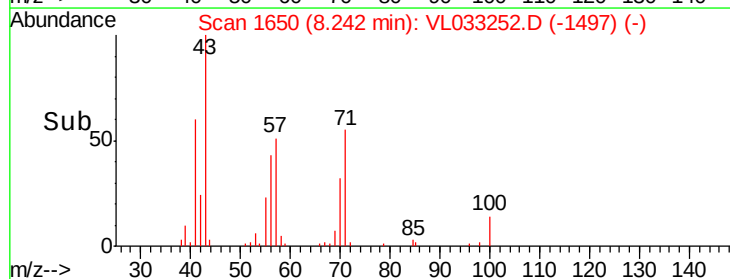
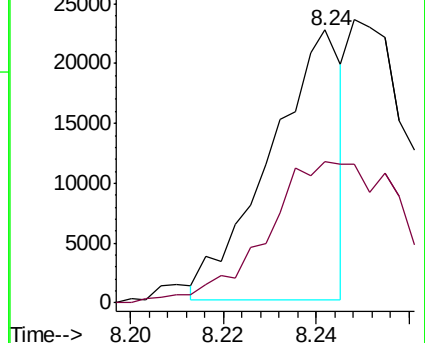
43 100

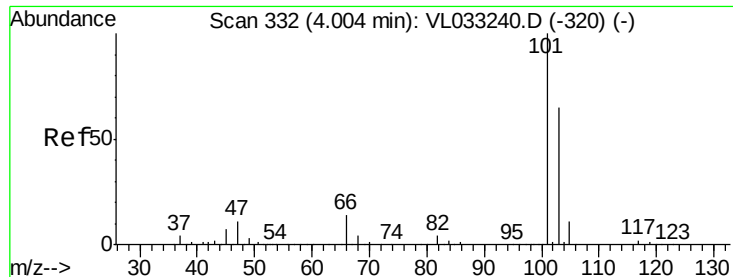
57 103.6 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

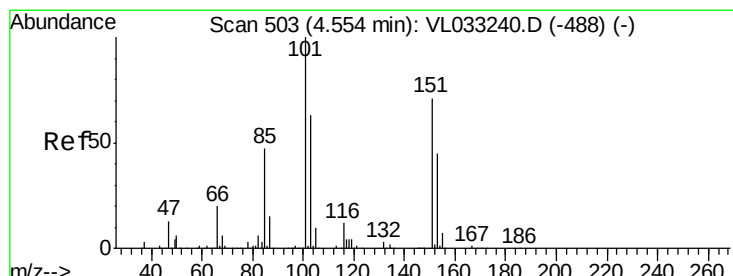
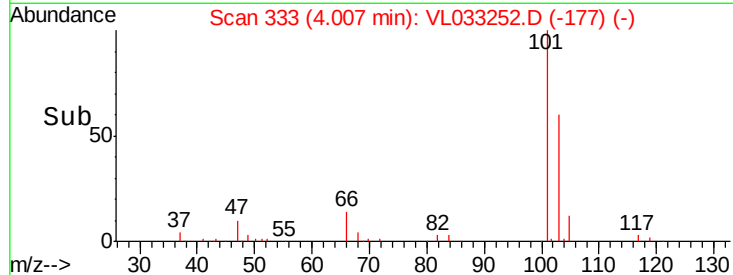
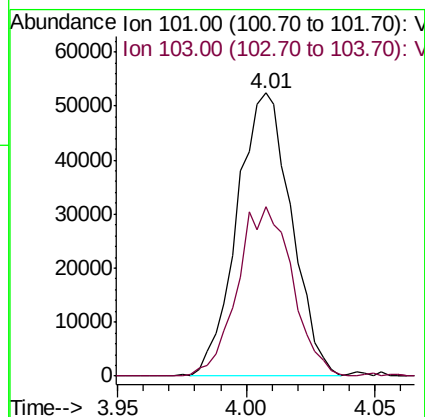
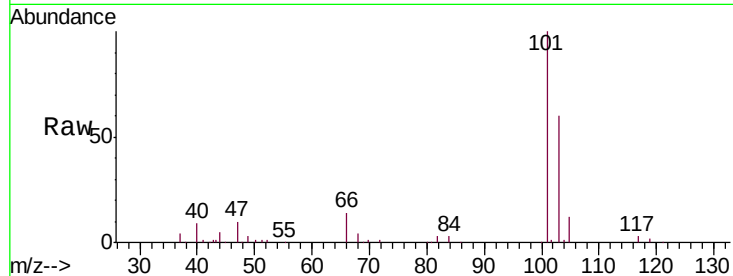
Ion 57.10 (56.80 to 57.80): VL0





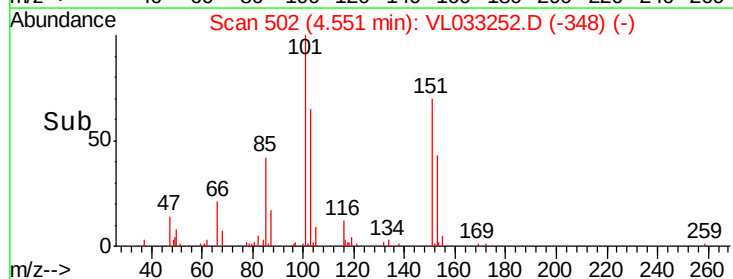
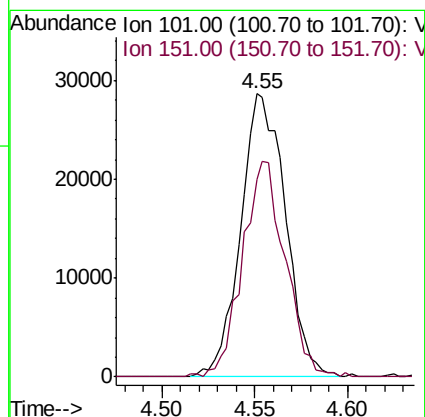
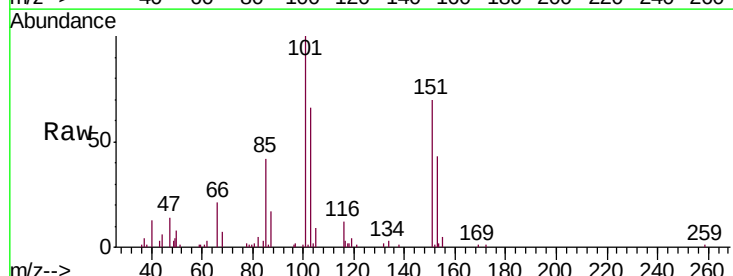
#11
 Trichlorofluoromethane
 Concen: 0.469 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

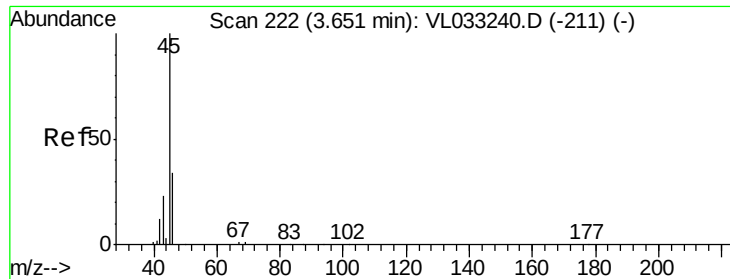
Tgt Ion:101 Resp: 77223
 Ion Ratio Lower Upper
 101 100
 103 58.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.449 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:101 Resp: 47943
 Ion Ratio Lower Upper
 101 100
 151 72.5 57.0 85.6





#13

Ethanol

Concen: 0.408 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033252.D

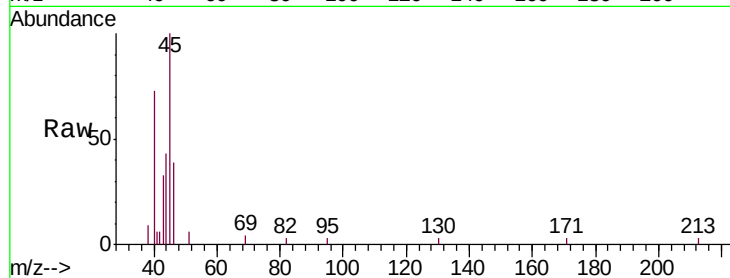
Acq: 6 Mar 2019 11:42

Tgt Ion: 45 Resp: 6175

Ion Ratio Lower Upper

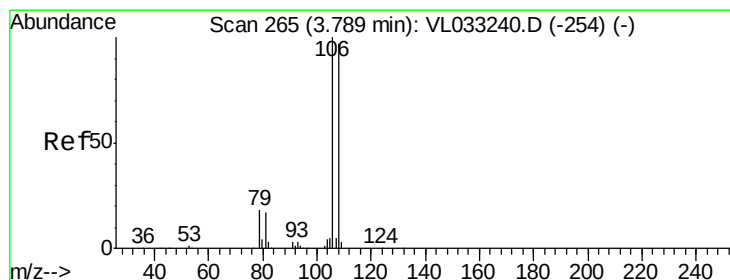
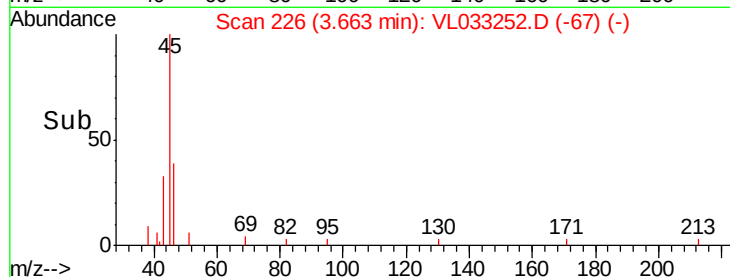
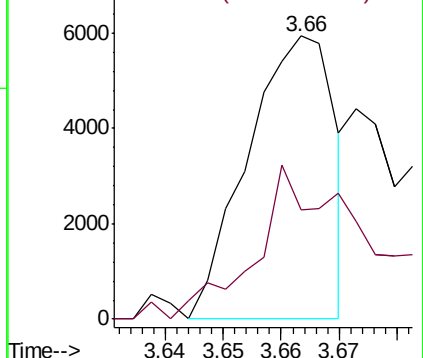
45 100

46 74.5 15.3 61.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.408 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

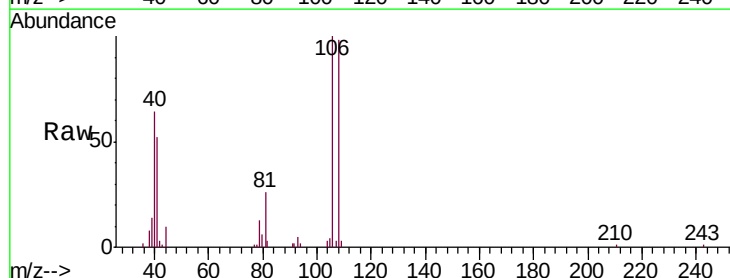
Tgt Ion: 108 Resp: 18331

Ion Ratio Lower Upper

108 100

106 116.0 85.5 128.3

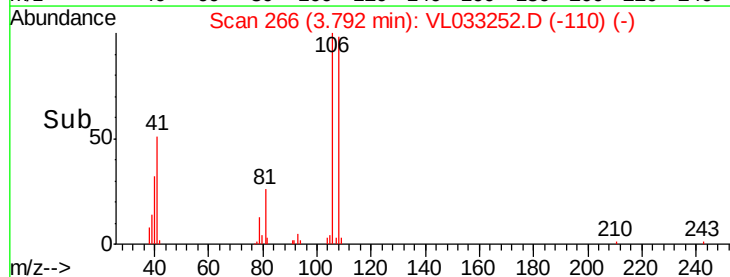
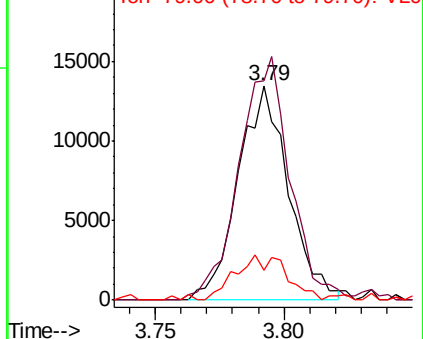
79 22.7 15.3 22.9

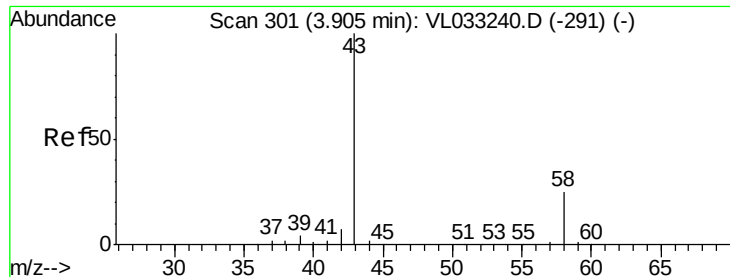


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.532 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033252.D

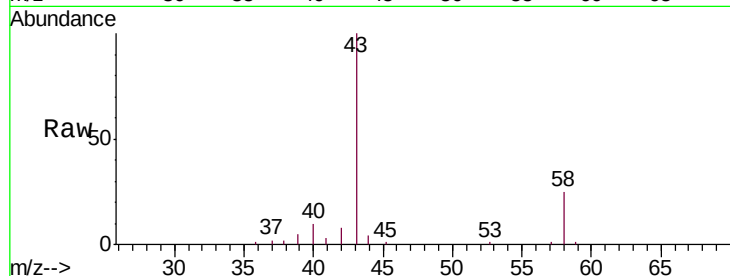
Acq: 6 Mar 2019 11:42

Tgt Ion: 43 Resp: 67912

Ion Ratio Lower Upper

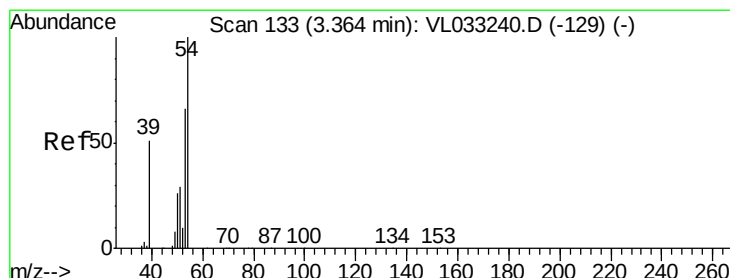
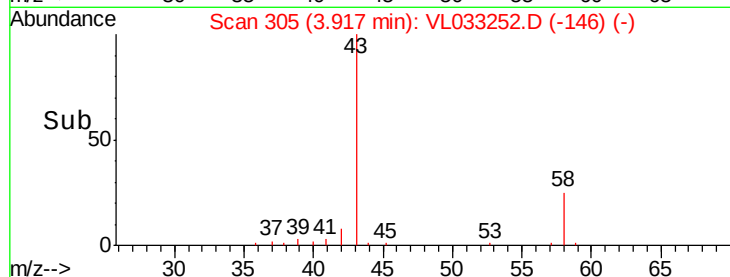
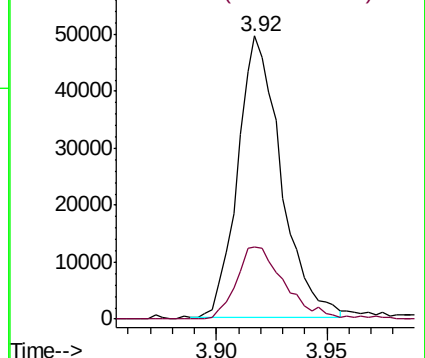
43 100

58 29.0 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: 0.389 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033252.D

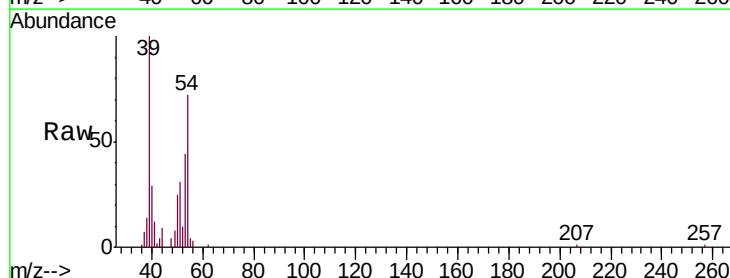
Acq: 6 Mar 2019 11:42

Tgt Ion: 39 Resp: 19827

Ion Ratio Lower Upper

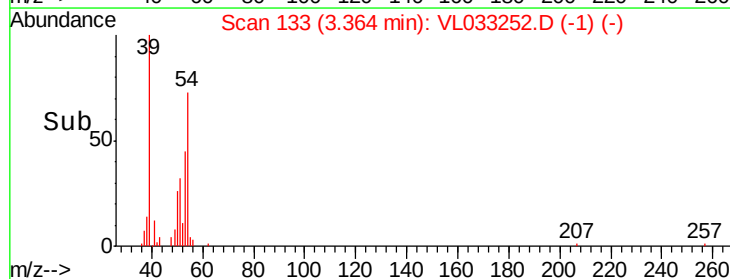
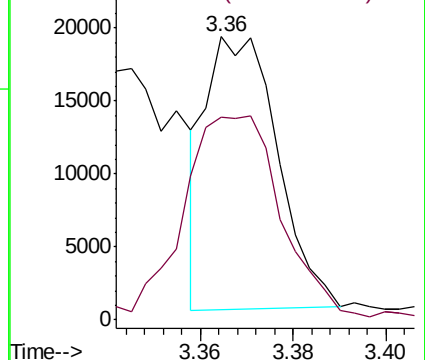
39 100

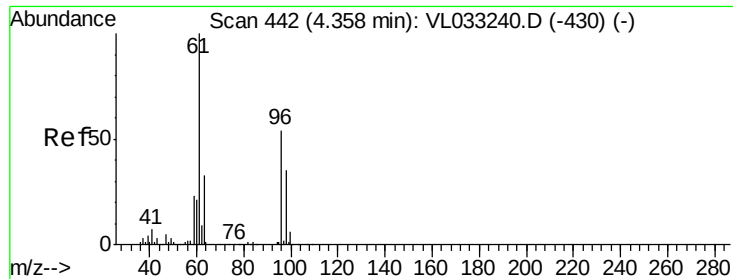
54 107.7 69.6 104.4#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.012 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.01 min

Lab File: VL033252.D

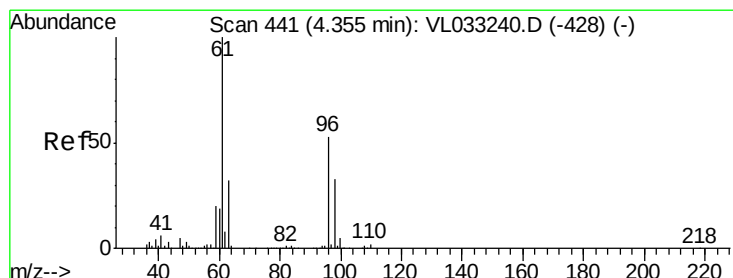
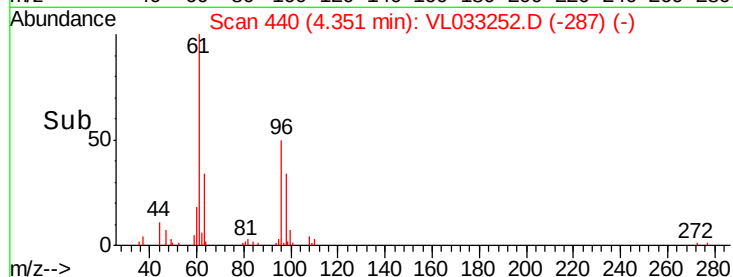
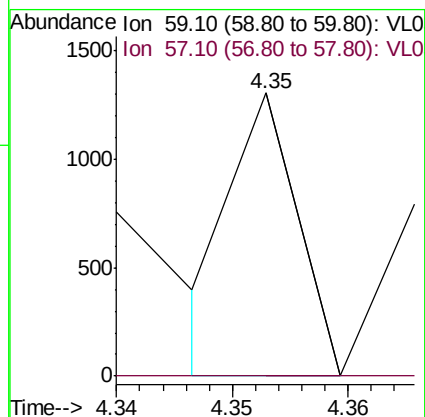
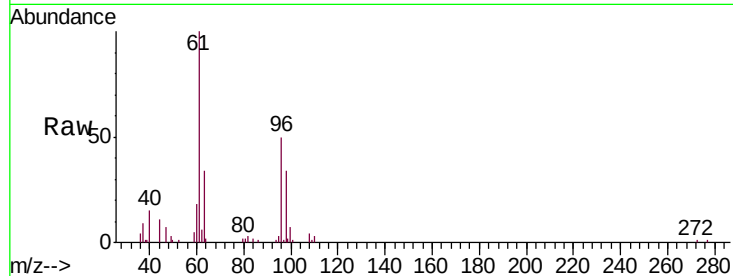
Acq: 6 Mar 2019 11:42

Tgt Ion: 59 Resp: 252

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#18

1,1-Dichloroethene

Concen: 0.437 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

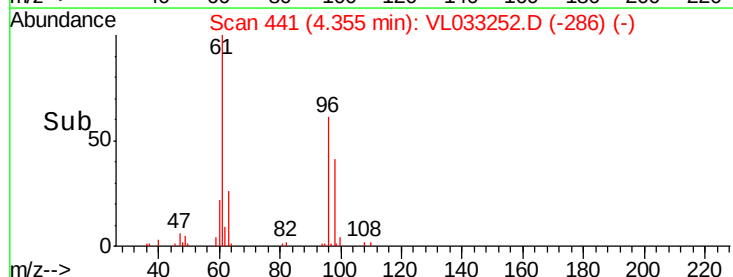
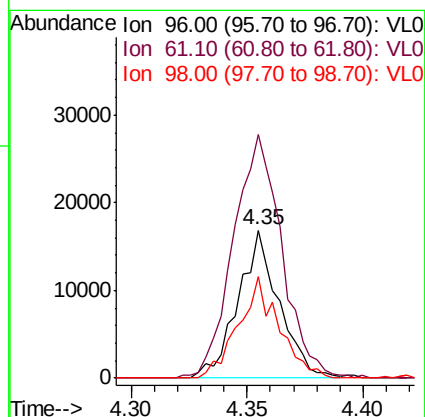
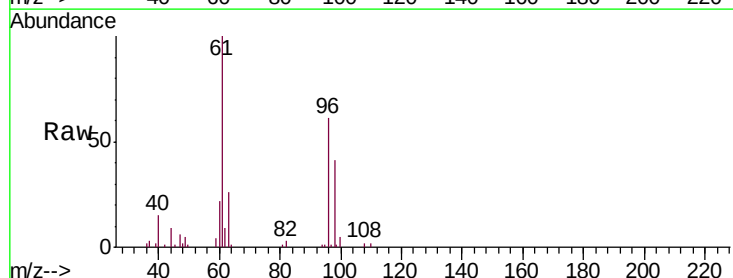
Tgt Ion: 96 Resp: 20750

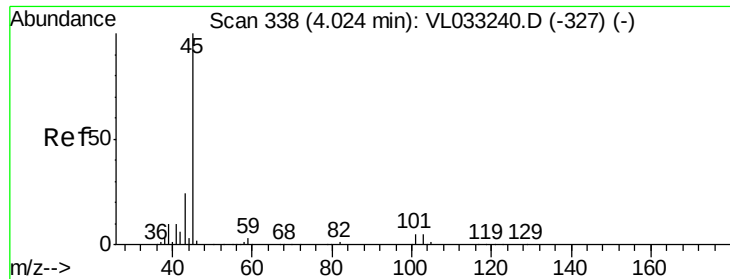
Ion Ratio Lower Upper

96 100

61 163.0 150.2 225.2

98 69.9 49.2 73.8





#19

Isopropyl Alcohol

Concen: 0.447 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033252.D

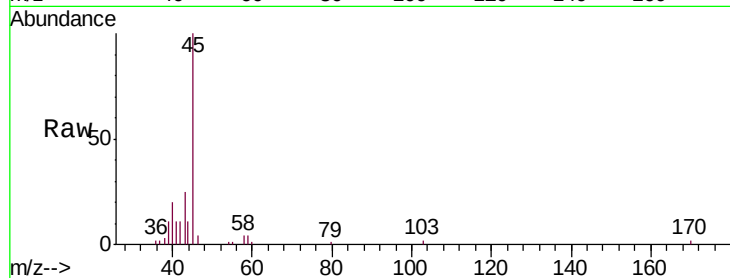
Acq: 6 Mar 2019 11:42

Tgt Ion: 45 Resp: 33942

Ion Ratio Lower Upper

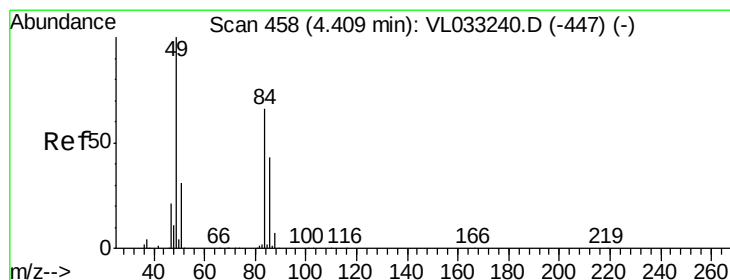
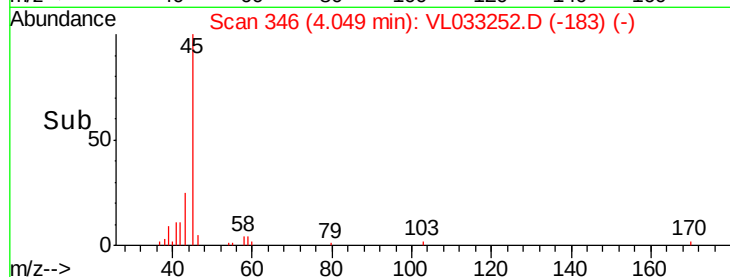
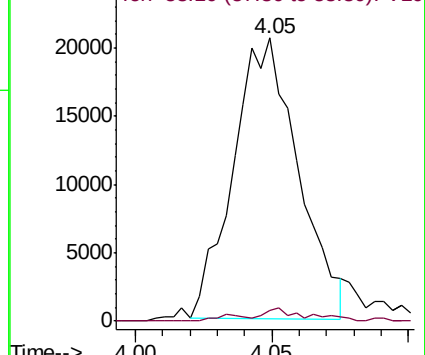
45 100

58 4.2 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.479 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion: 84 Resp: 23170

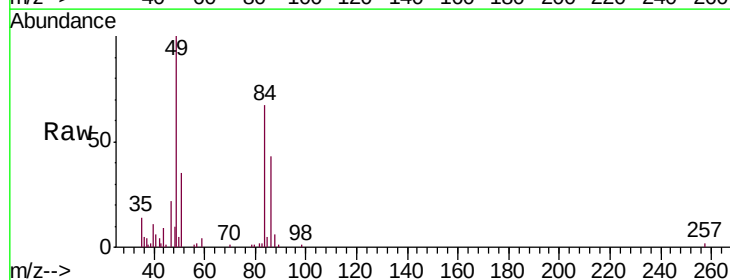
Ion Ratio Lower Upper

84 100

49 149.4 120.4 180.6

51 48.8 36.7 55.1

86 64.6 51.8 77.8

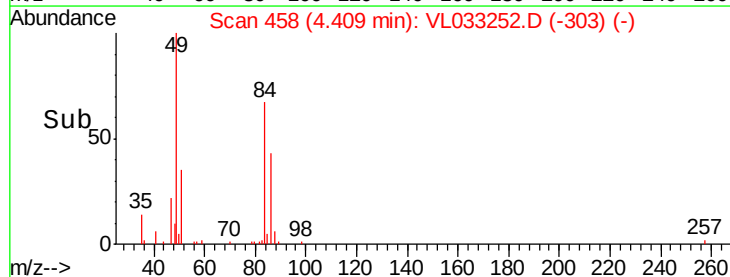
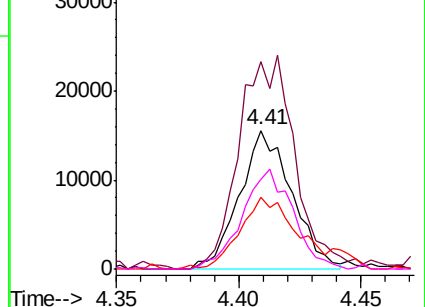


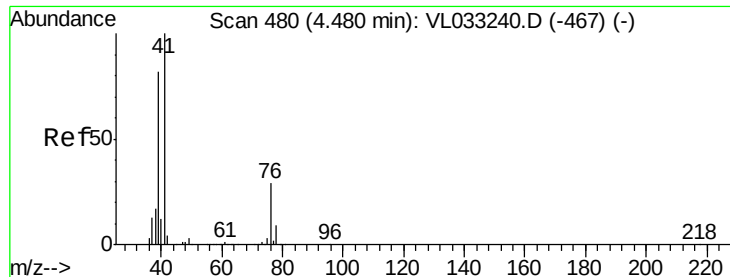
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

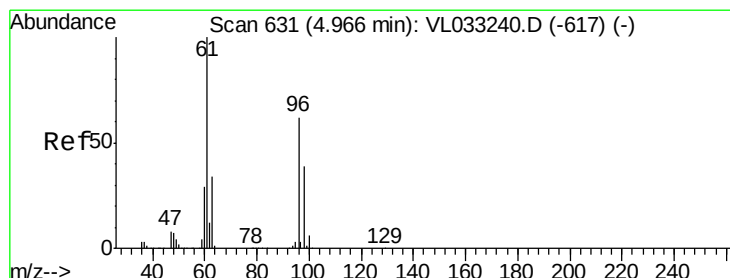
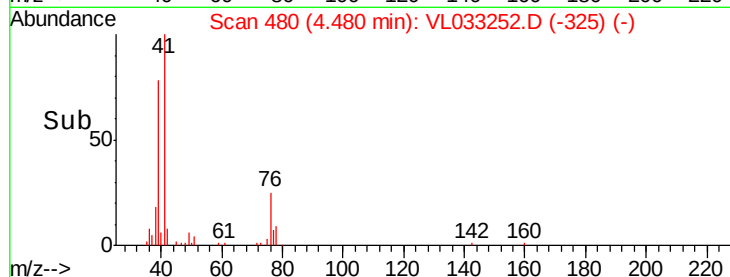
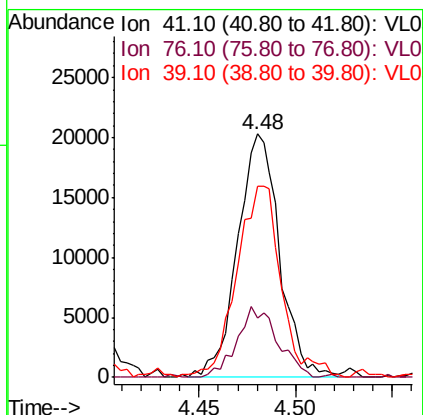
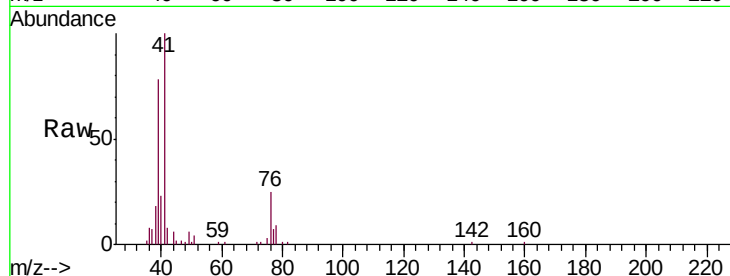
Ion 86.00 (85.70 to 86.70): VL0





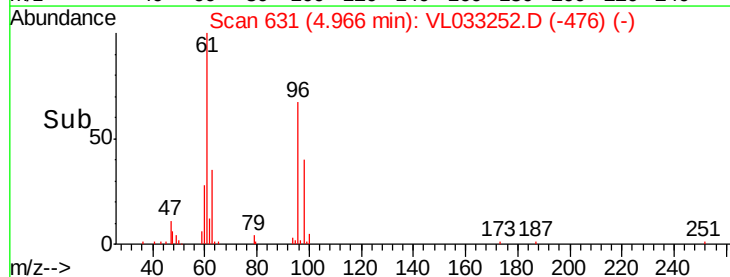
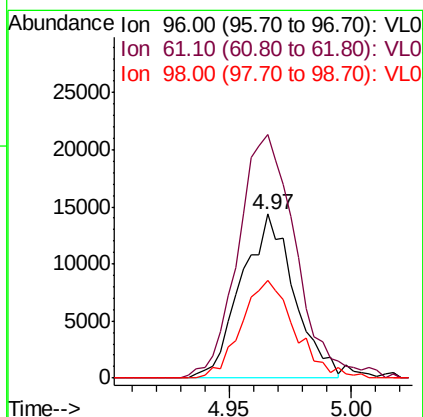
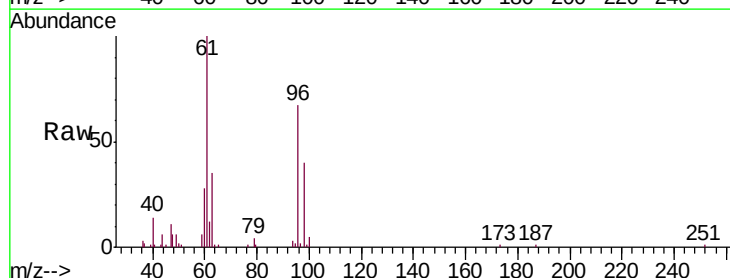
#21
 Allyl Chloride
 Concen: 0.428 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

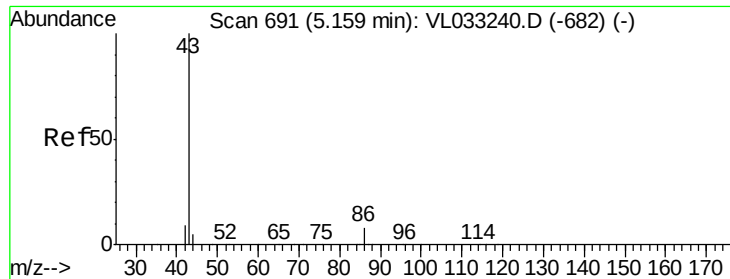
Tgt Ion: 41 Resp: 30518
 Ion Ratio Lower Upper
 41 100
 76 28.4 24.6 36.8
 39 83.7 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.447 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion: 96 Resp: 21652
 Ion Ratio Lower Upper
 96 100
 61 146.2 128.3 192.5
 98 59.5 50.6 75.8





#23

Vinyl Acetate

Concen: 0.350 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

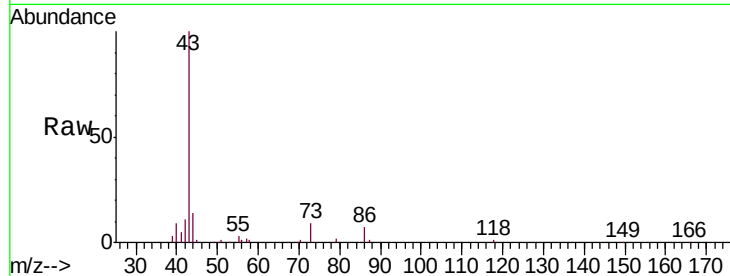
Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

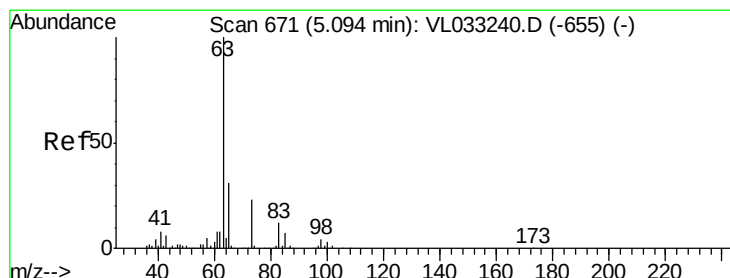
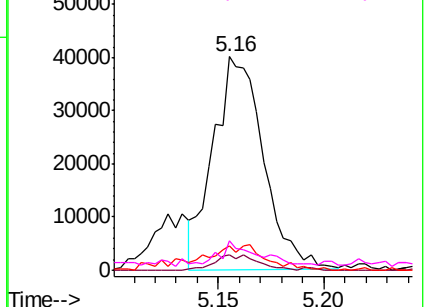
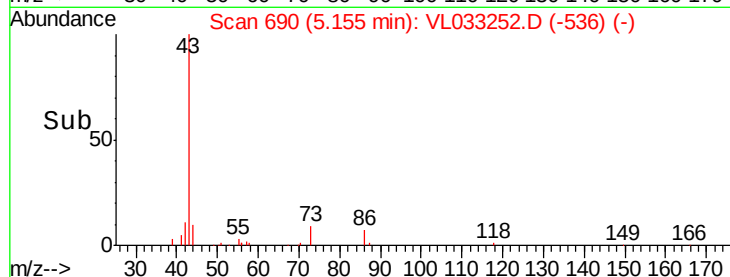
Tgt Ion: 43 Resp: 65961

Ion Ratio Lower Upper

43	100		
86	7.1	5.5	8.3
42	10.3	7.7	11.5
44	11.9	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: 0.221 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

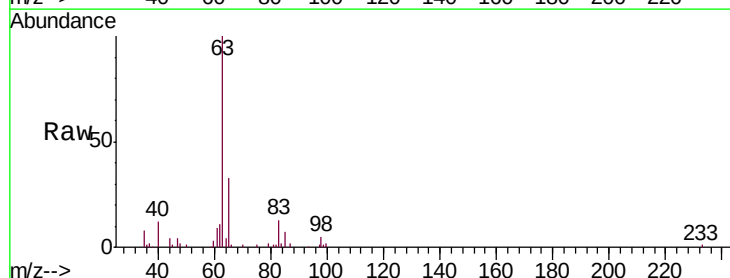
Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

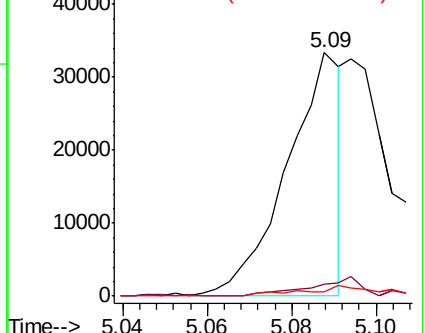
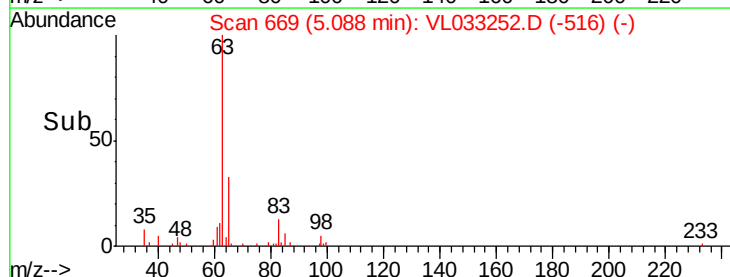
Tgt Ion: 63 Resp: 29718

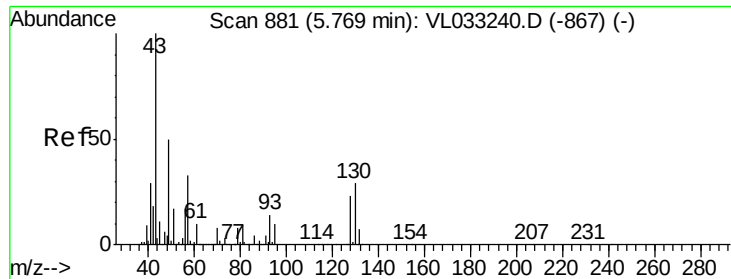
Ion Ratio Lower Upper

63	100		
98	5.0	2.1	6.3
100	1.9	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: 0.417 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion: 43 Resp: 97655

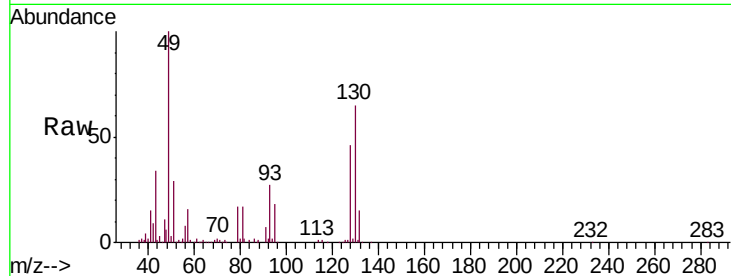
Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.6

61 8.4 7.0 10.6

70 6.7 5.5 8.3

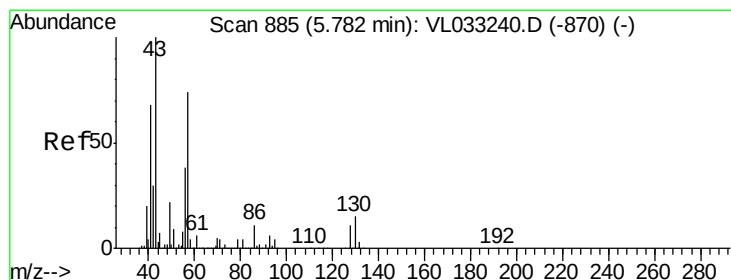
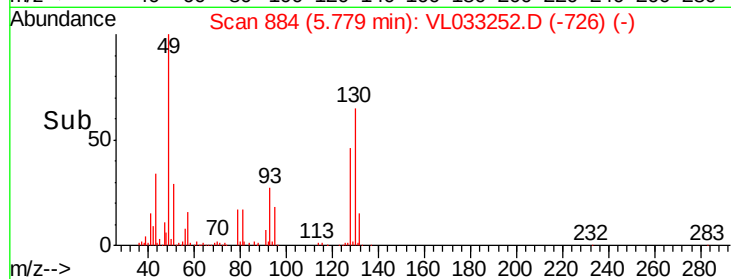
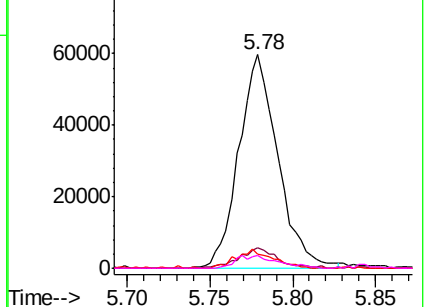


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.408 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion: 57 Resp: 44676

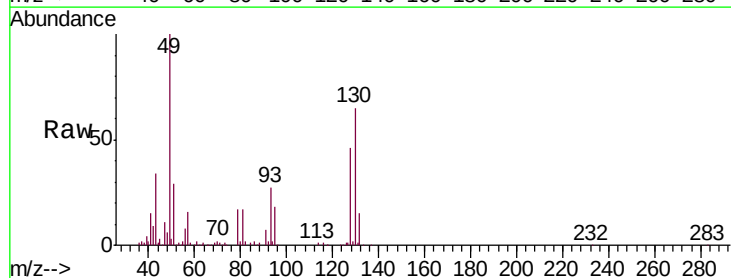
Ion Ratio Lower Upper

57 100

41 99.8 73.4 110.2

43 221.9 182.1 273.1

56 57.0 42.6 64.0

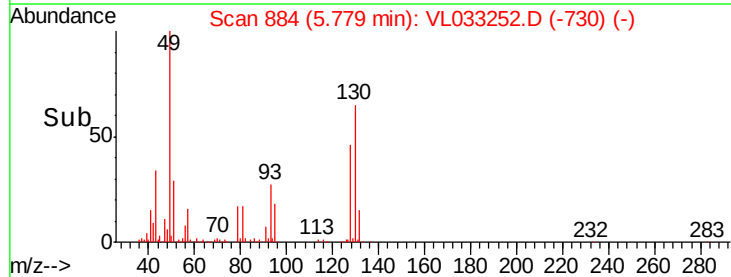
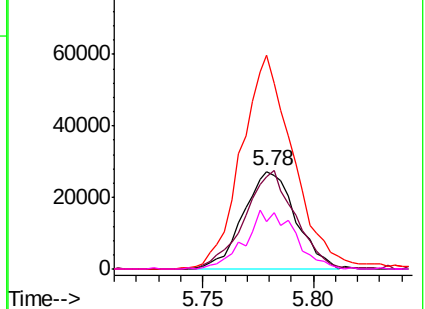


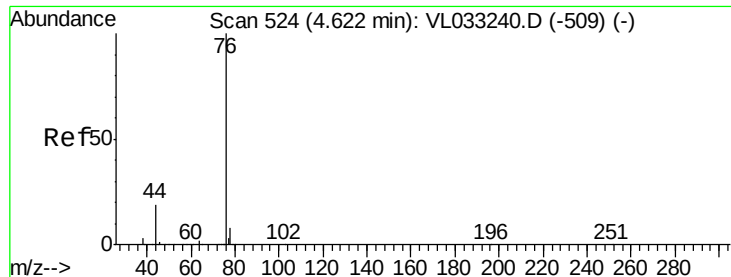
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.381 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

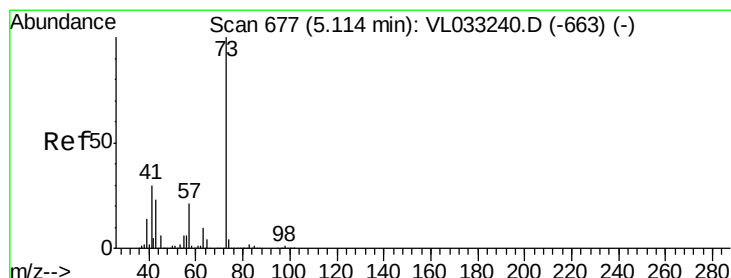
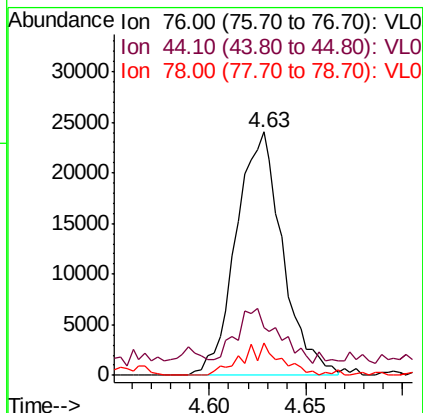
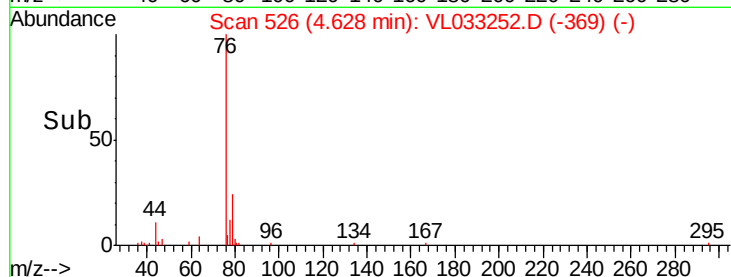
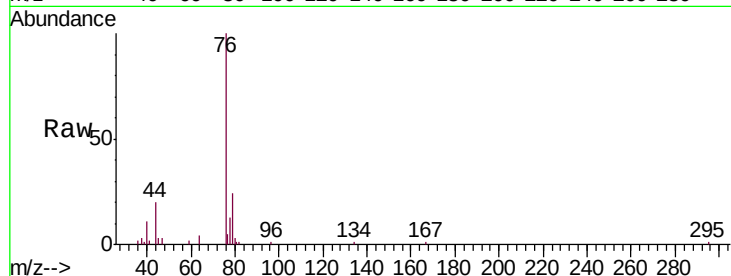
Tgt Ion: 76 Resp: 40144

Ion Ratio Lower Upper

76 100

44 21.0 15.0 22.6

78 11.6 7.3 10.9#



#28

Methyl tert-Butyl Ether

Concen: 0.380 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.02 min

Lab File: VL033252.D

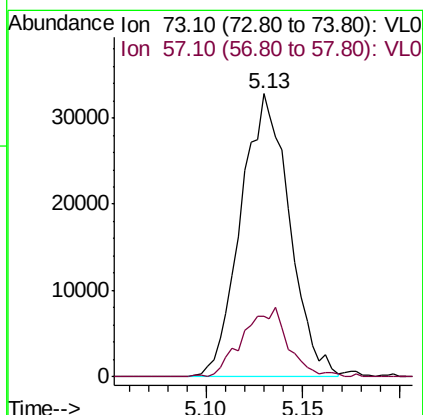
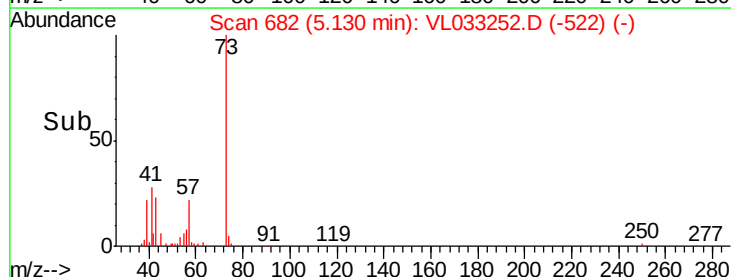
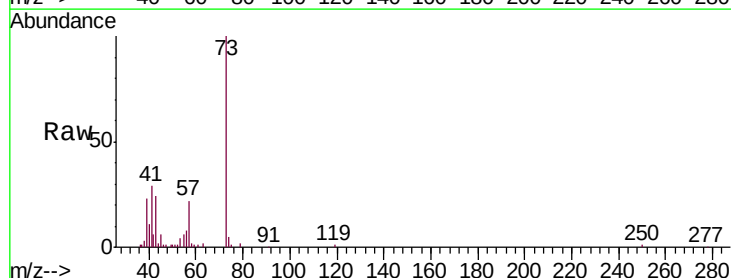
Acq: 6 Mar 2019 11:42

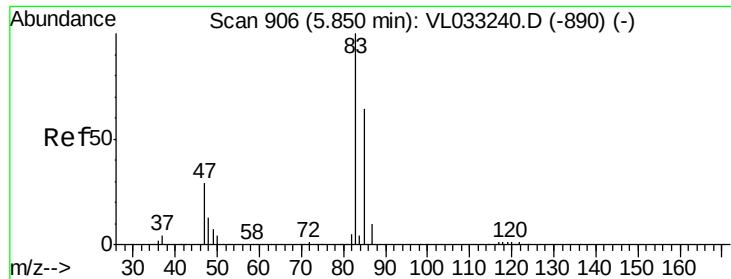
Tgt Ion: 73 Resp: 57357

Ion Ratio Lower Upper

73 100

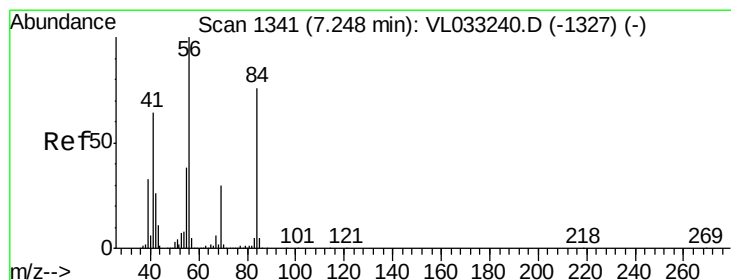
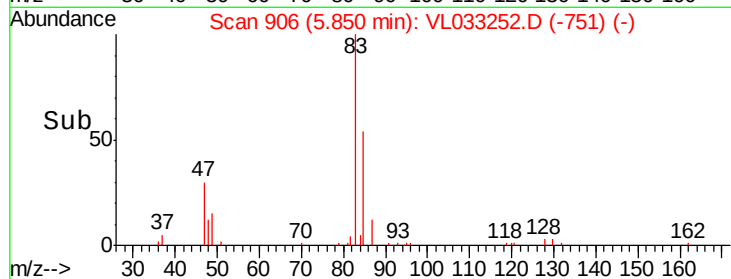
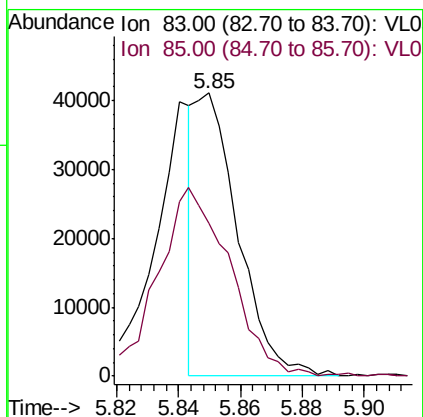
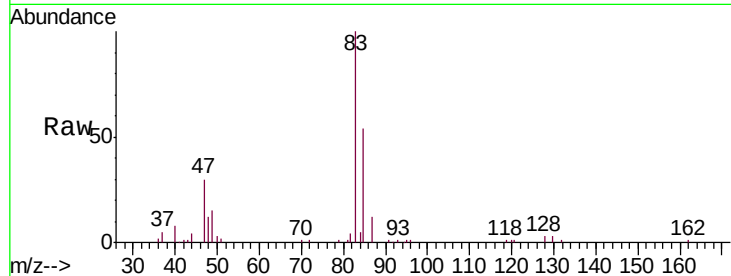
57 23.0 17.6 26.4





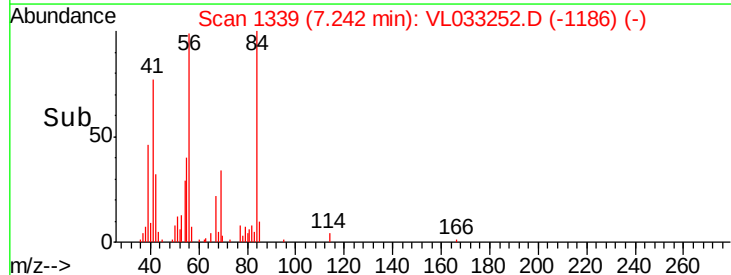
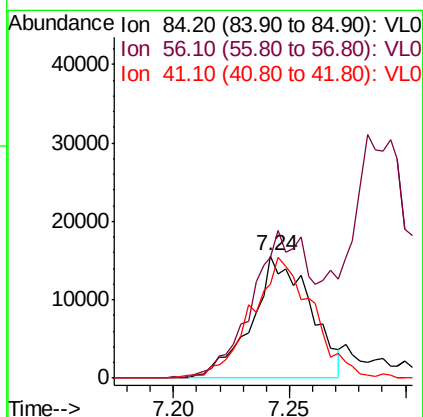
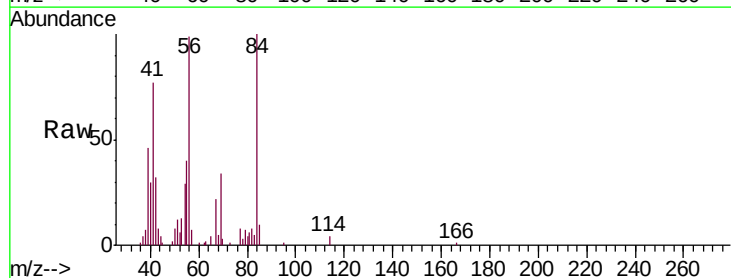
#29
Chloroform
Concen: 0.231 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

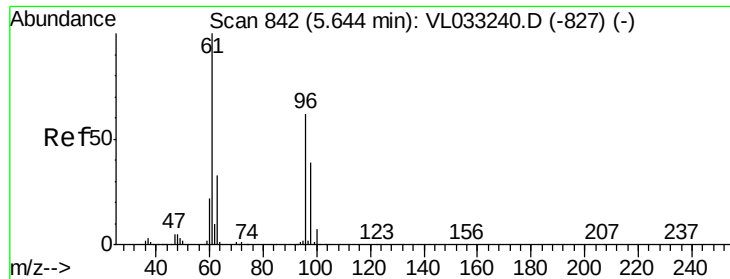
Tgt Ion: 83 Resp: 39220
Ion Ratio Lower Upper
83 100
85 53.4 51.2 76.8



#30
Cyclohexane
Concen: 0.332 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion: 84 Resp: 27159
Ion Ratio Lower Upper
84 100
56 125.1 113.1 169.7
41 104.3 70.8 106.2

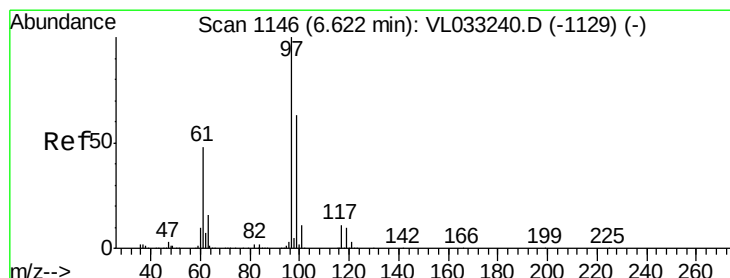
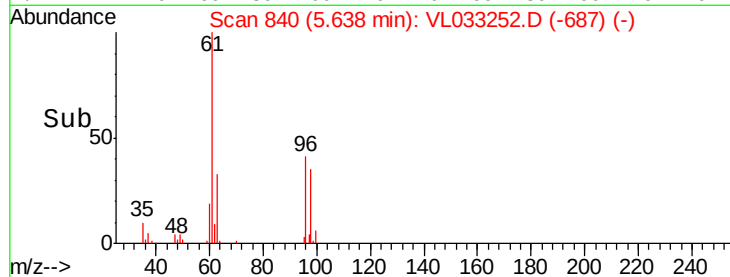
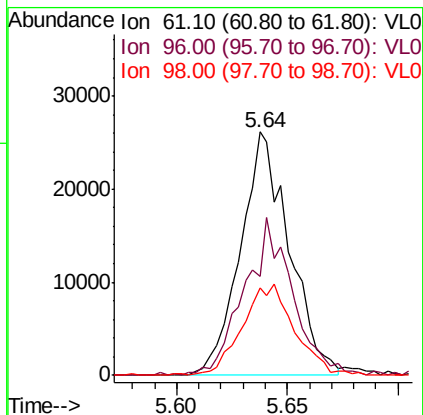
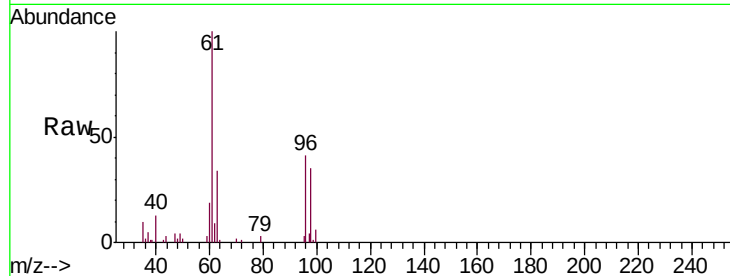




#31

cis-1,2-Dichloroethene
 Concen: 0.381 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

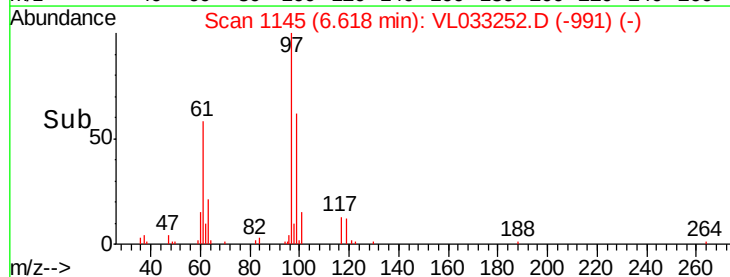
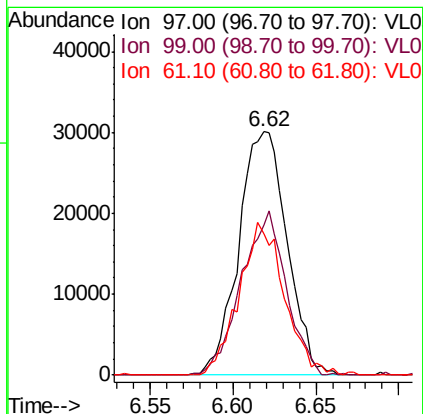
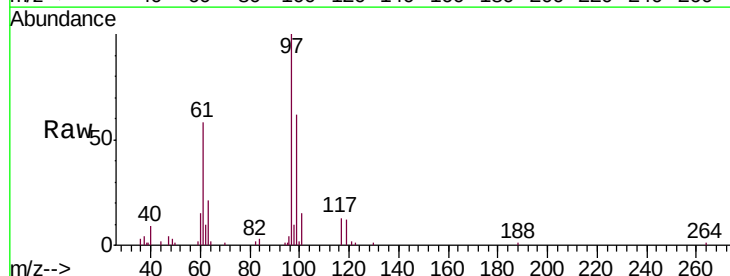
Tgt Ion	Ratio	Lower	Upper
61	100		
96	39.7	49.4	74.0#
98	35.8	31.2	46.8

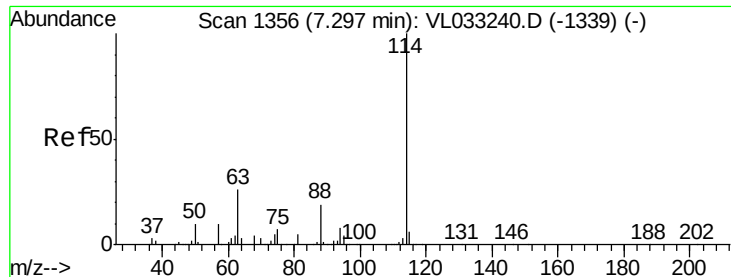


#32

1,1,1-Trichloroethane
 Concen: 0.371 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.0
61	58.7	40.1	60.1

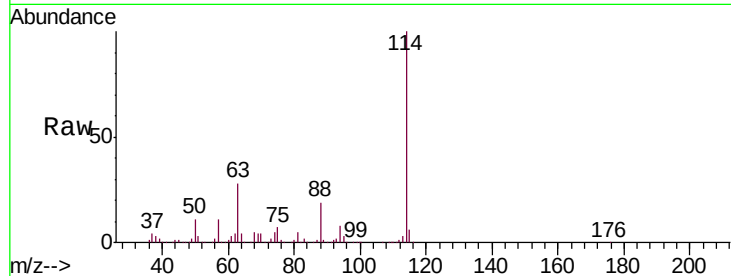




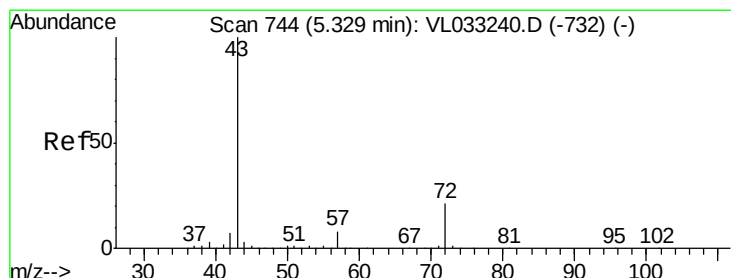
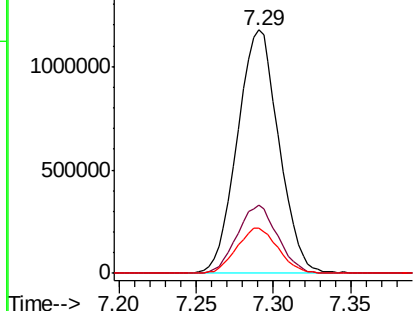
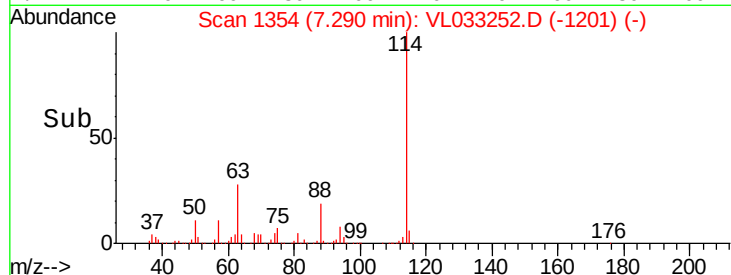
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion: 114 Resp: 2196058

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.0	33.0
88	18.6	15.0	22.4



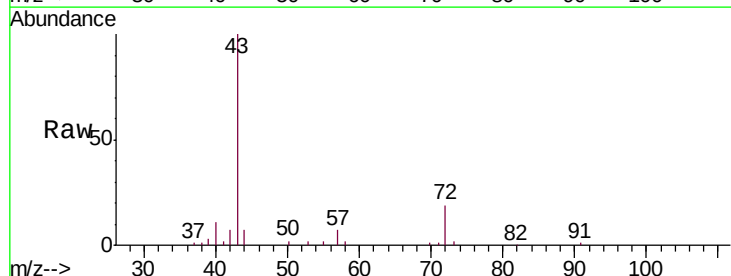
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



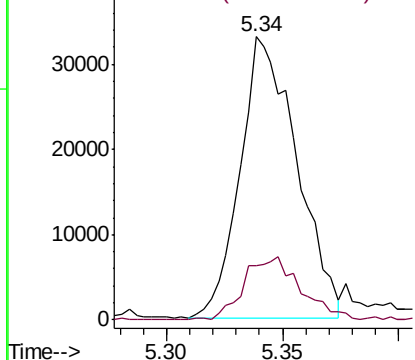
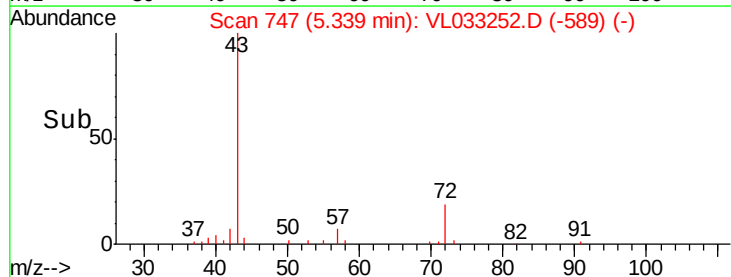
#34
 2-Butanone
 Concen: 0.370 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

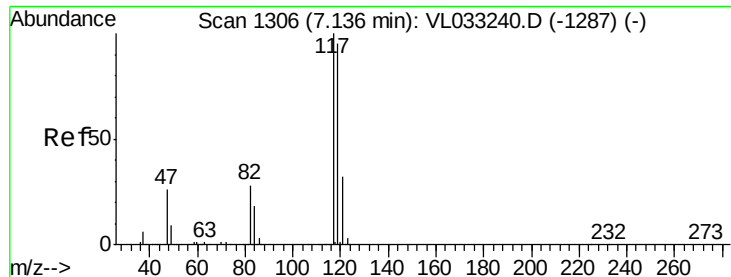
Tgt Ion: 43 Resp: 56232

Ion	Ratio	Lower	Upper
43	100		
72	22.5	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: 0.239 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

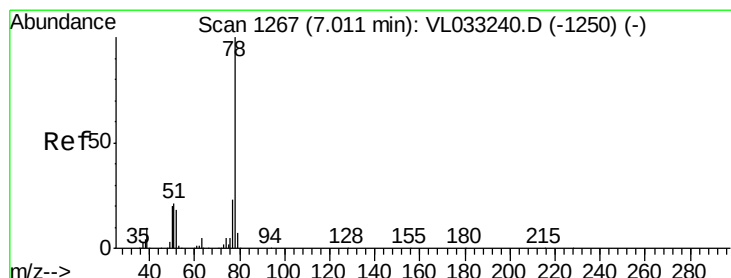
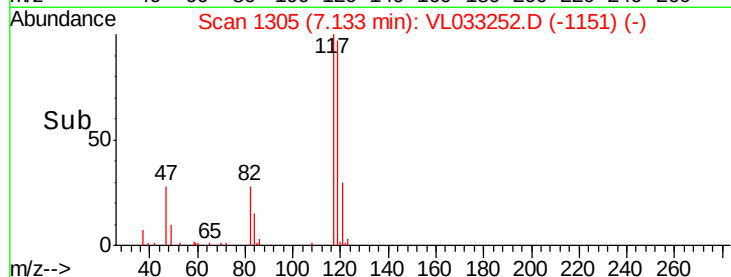
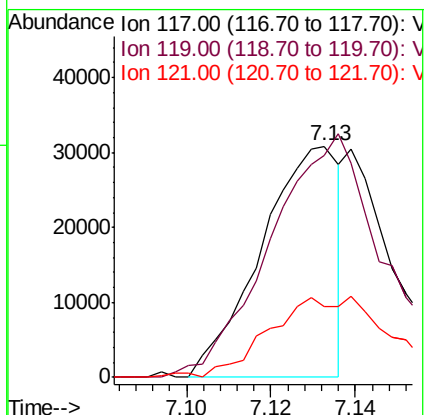
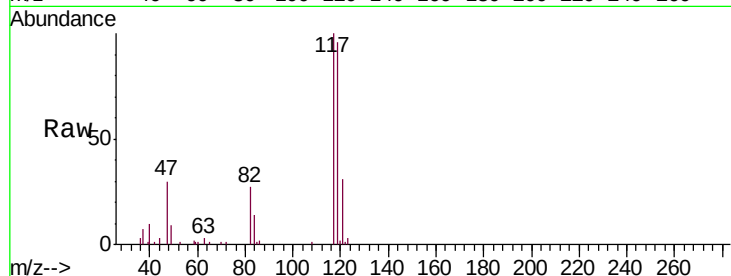
Tgt Ion: 117 Resp: 39732

Ion Ratio Lower Upper

117 100

119 91.4 75.8 113.6

121 28.9 25.6 38.4



#36

Benzene

Concen: 0.375 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

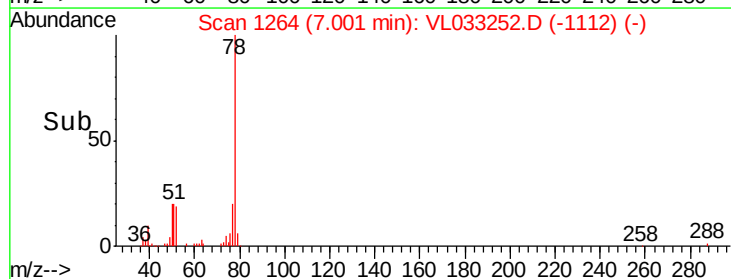
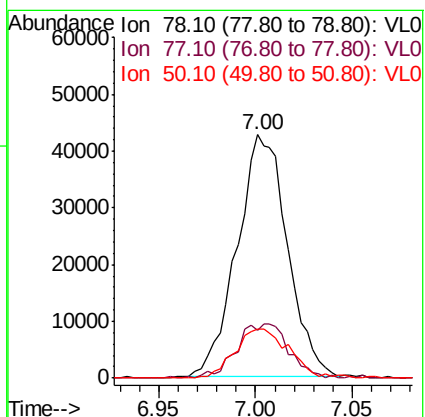
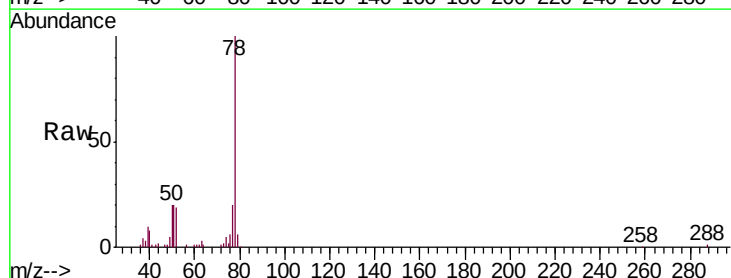
Tgt Ion: 78 Resp: 77309

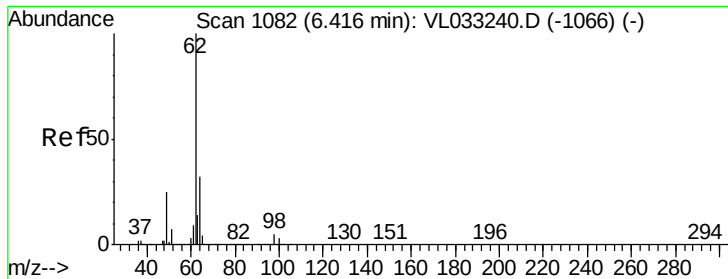
Ion Ratio Lower Upper

78 100

77 19.2 18.0 27.0

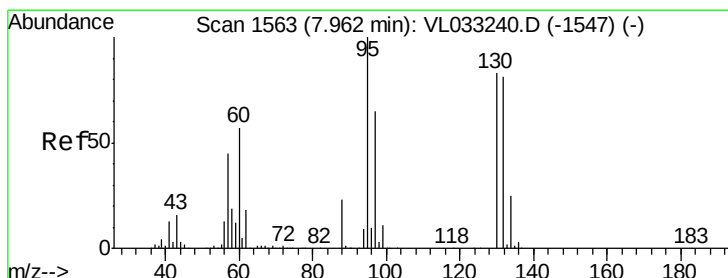
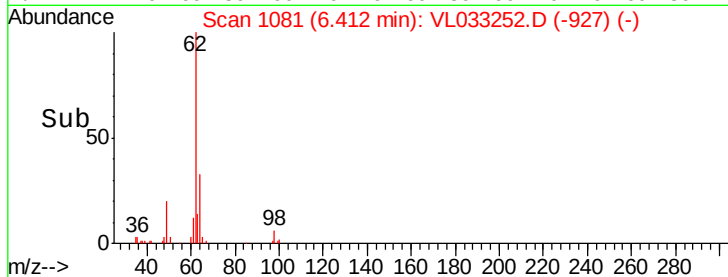
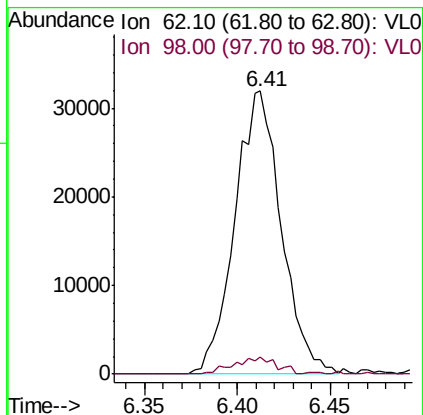
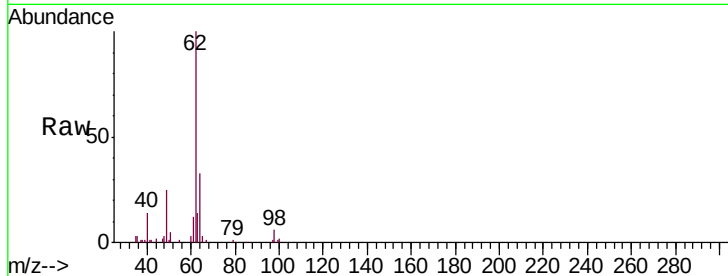
50 19.7 16.2 24.4





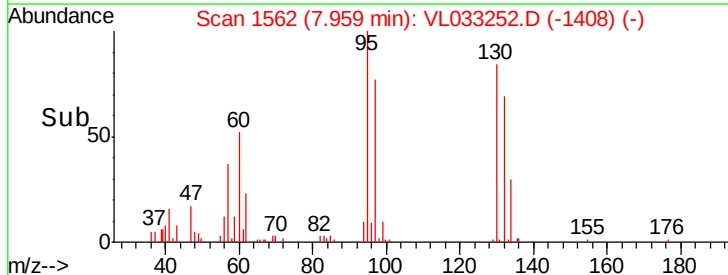
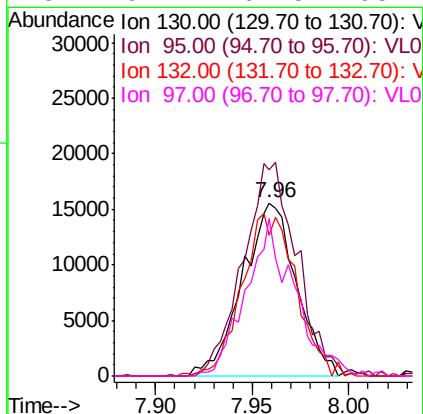
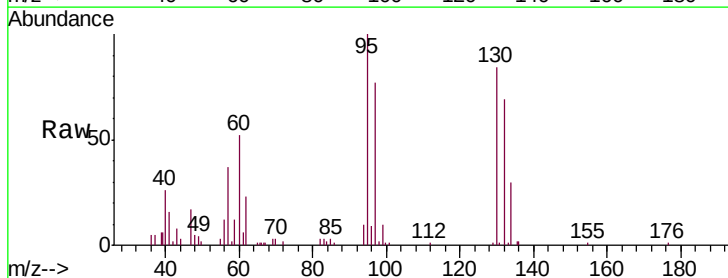
#37
 1,2-Dichloroethane
 Concen: 0.432 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

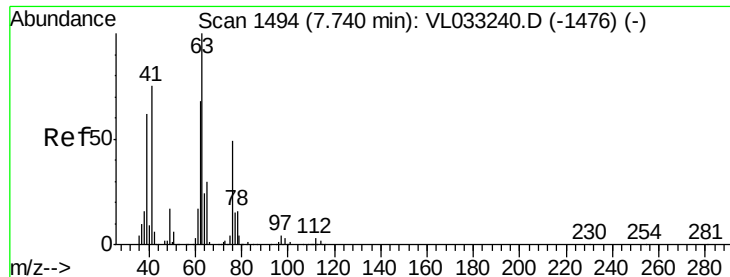
Tgt Ion: 62 Resp: 55477
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 0.388 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion: 130 Resp: 30198
 Ion Ratio Lower Upper
 130 100
 95 118.7 95.7 143.5
 132 80.3 77.4 116.2
 97 91.2 62.5 93.7





#39

1,2-Dichloropropane

Concen: 0.166 ppbv

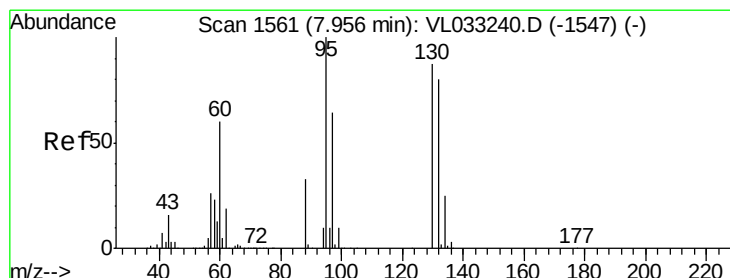
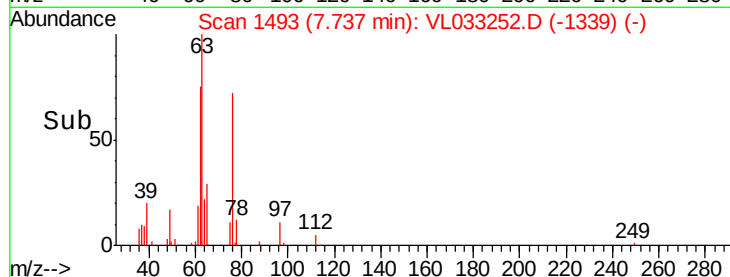
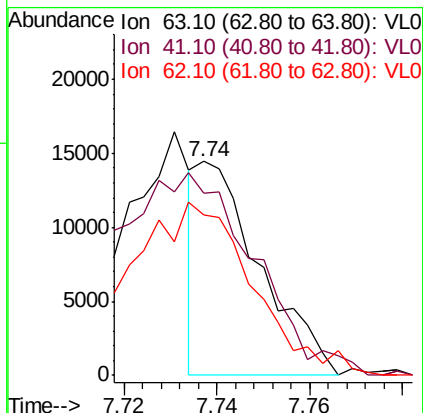
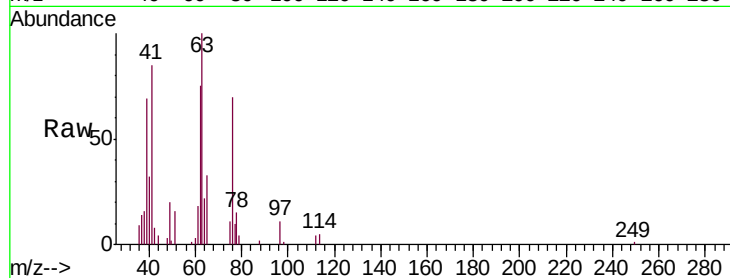
RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion:	63	Resp:	13376
Ion	Ratio	Lower	Upper
63	100		
41	78.0	60.0	90.0
62	65.1	54.2	81.4



#40

1,4-Dioxane

Concen: 0.028 ppbv

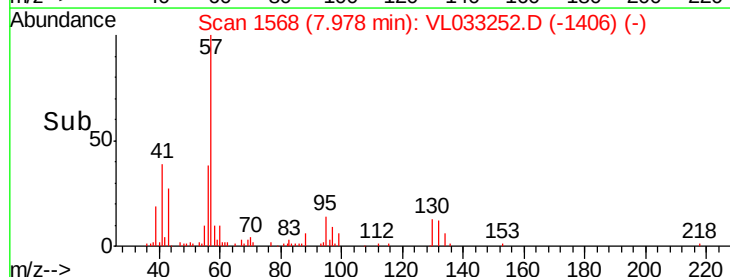
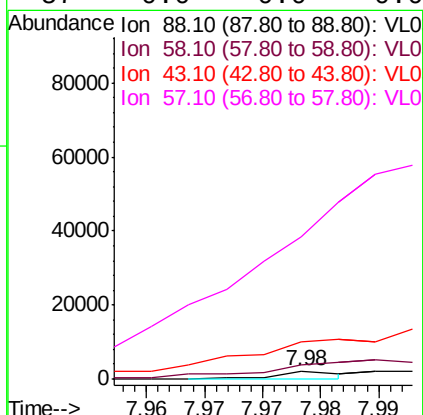
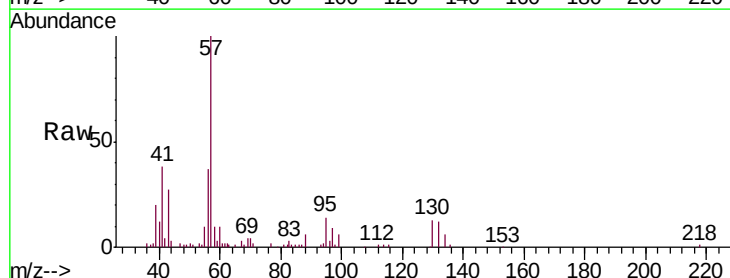
RT: 7.98 min Scan# 1568

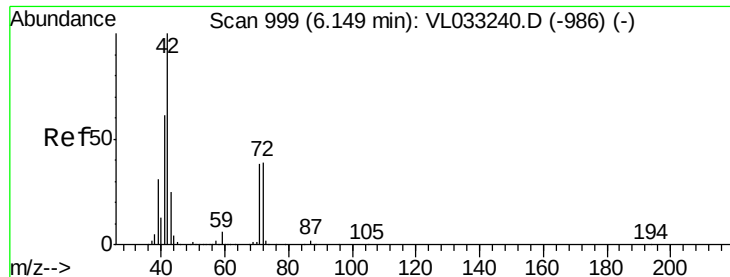
Delta R.T. 0.02 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion:	88	Resp:	828
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: 0.343 ppbv

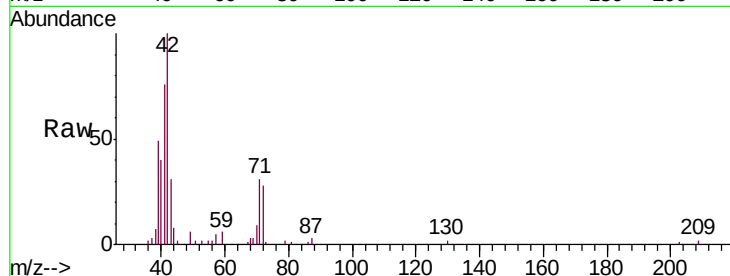
RT: 6.18 min Scan# 1008

Delta R.T. 0.03 min

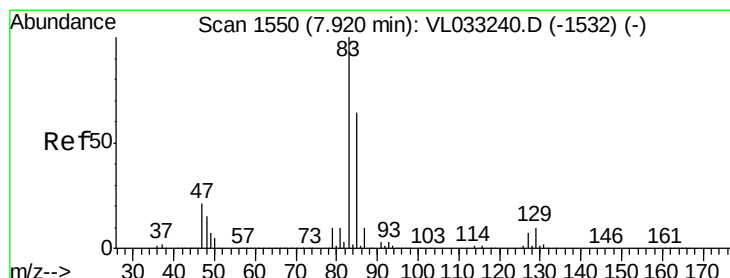
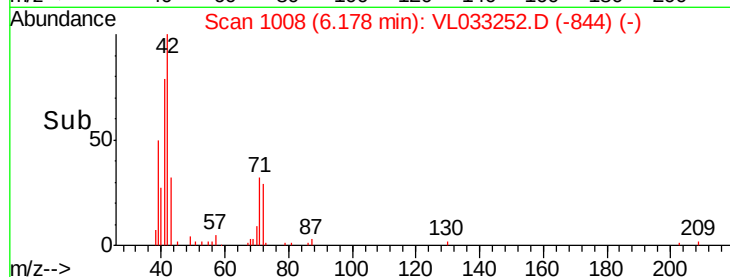
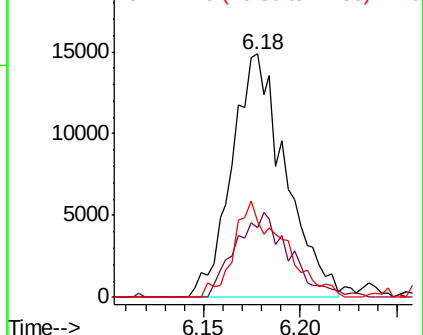
Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion:	42	Resp:	28703
Ion	Ratio	Lower	Upper
42	100		
72	35.2	30.2	45.4
71	36.1	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: 0.367 ppbv

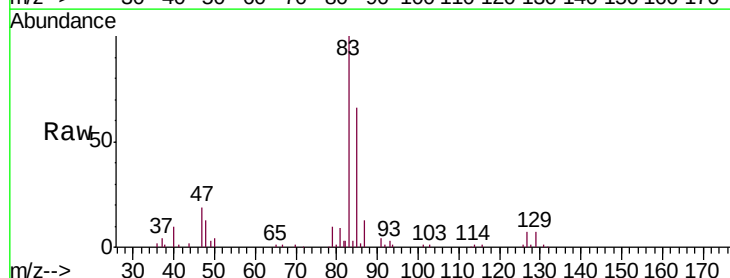
RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

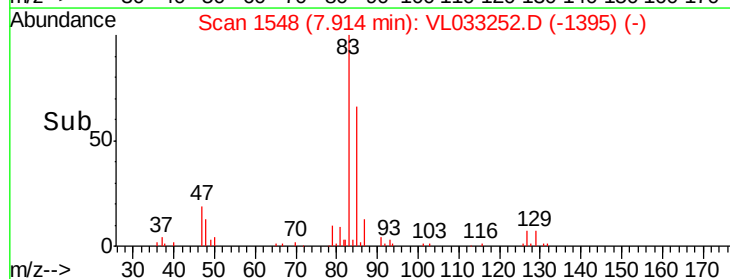
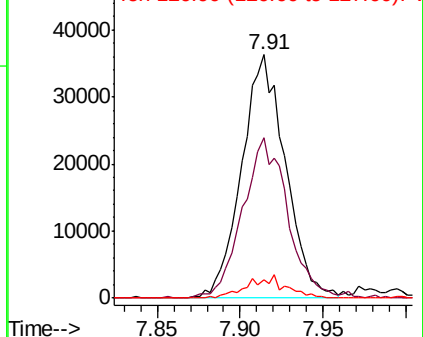
Lab File: VL033252.D

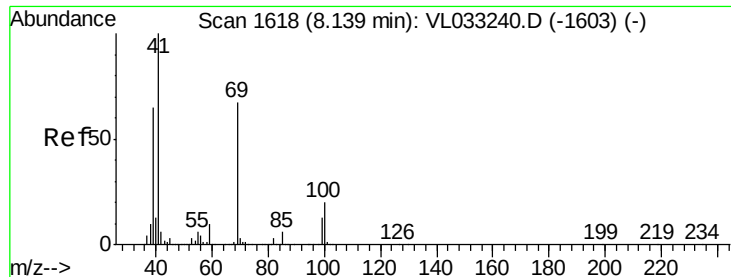
Acq: 6 Mar 2019 11:42

Tgt Ion:	83	Resp:	66590
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.3	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: 0.321 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

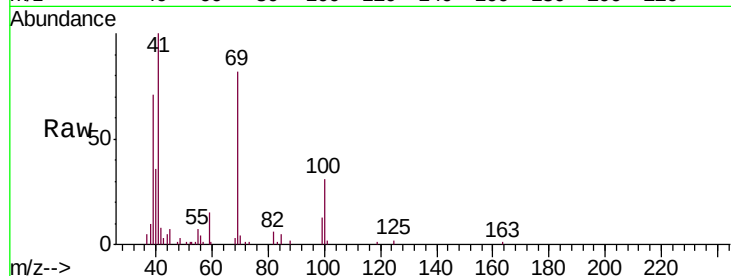
Tgt Ion: 69 Resp: 26763

Ion Ratio Lower Upper

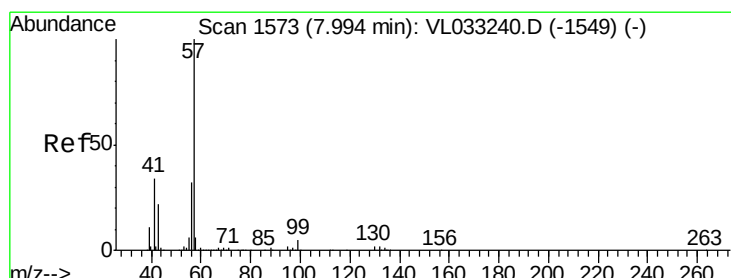
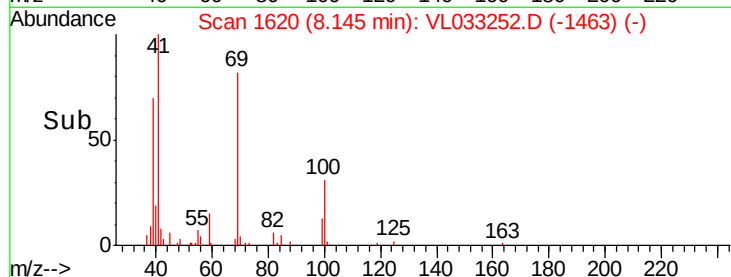
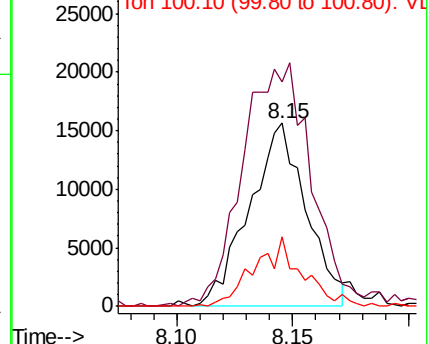
69 100

41 158.8 120.9 181.3

100 31.7 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: 0.380 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

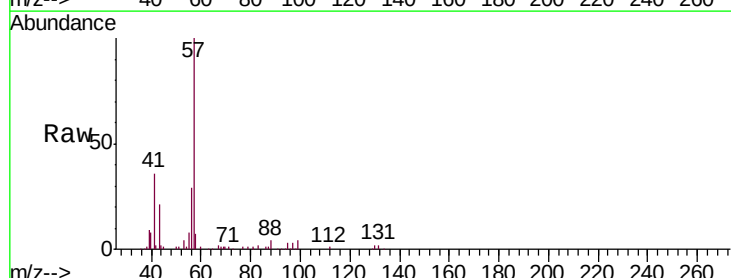
Tgt Ion: 57 Resp: 138513

Ion Ratio Lower Upper

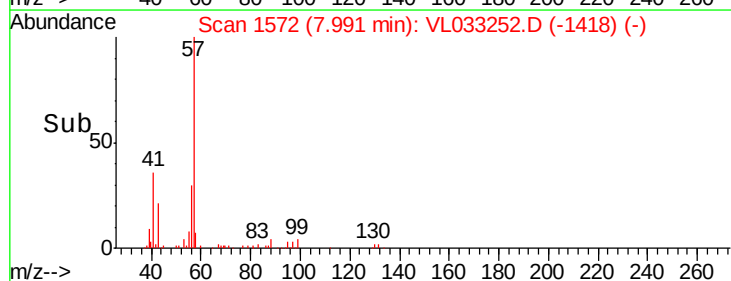
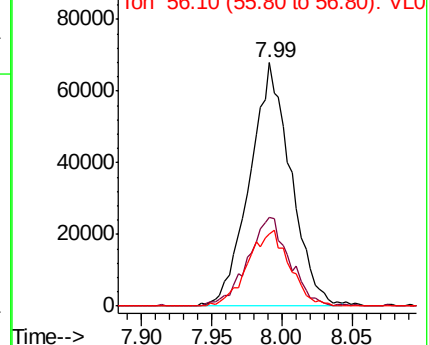
57 100

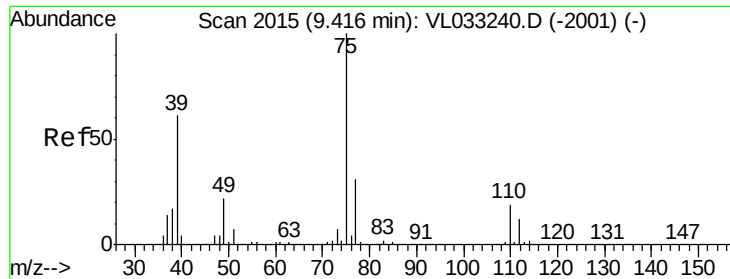
41 37.0 26.1 39.1

56 31.7 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: 0.198 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033252.D

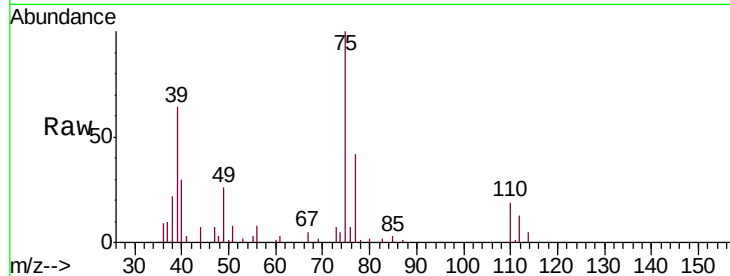
Acq: 6 Mar 2019 11:42

Tgt Ion: 75 Resp: 19963

Ion Ratio Lower Upper

75 100

77 41.9 24.7 37.1#



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

15000

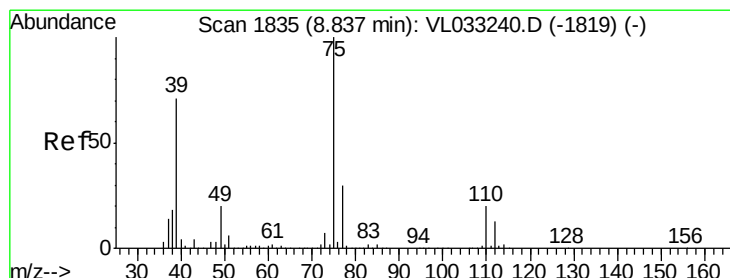
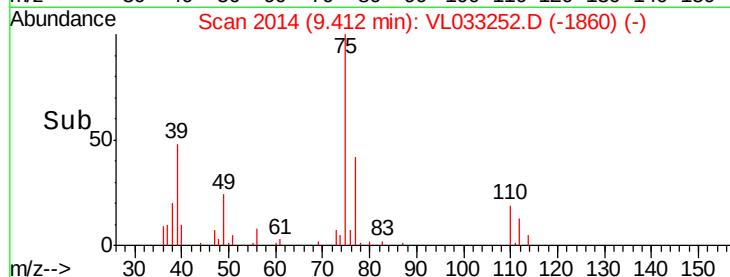
9.41

10000

5000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 0.309 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

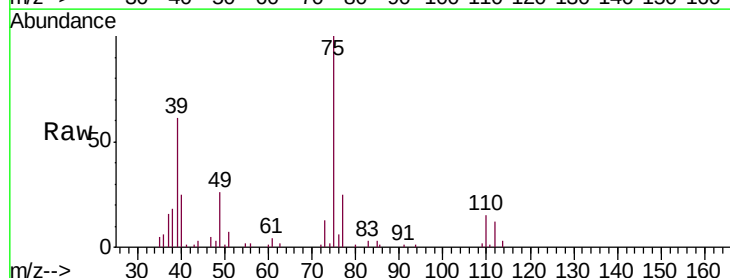
Tgt Ion: 75 Resp: 37190

Ion Ratio Lower Upper

75 100

39 59.7 57.0 85.6

77 25.4 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

25000

20000

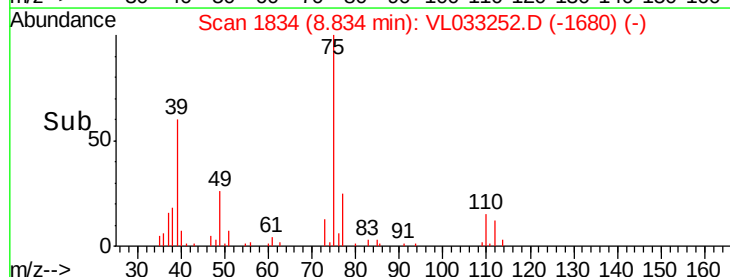
15000

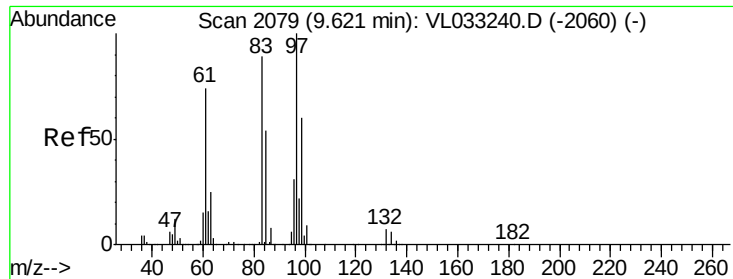
10000

5000

0

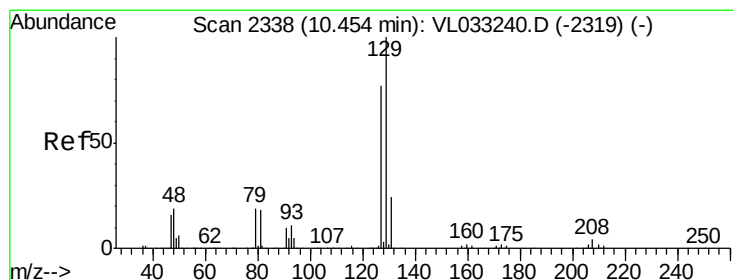
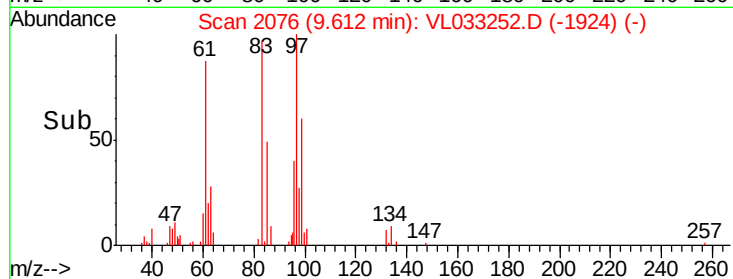
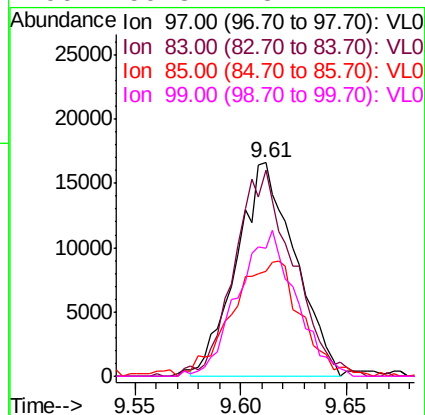
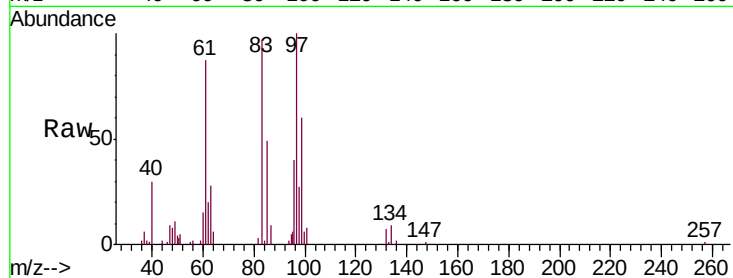
Time-->





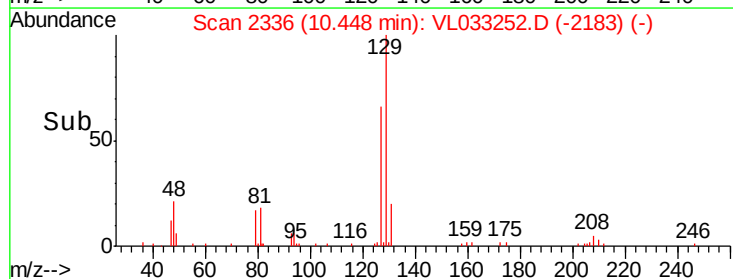
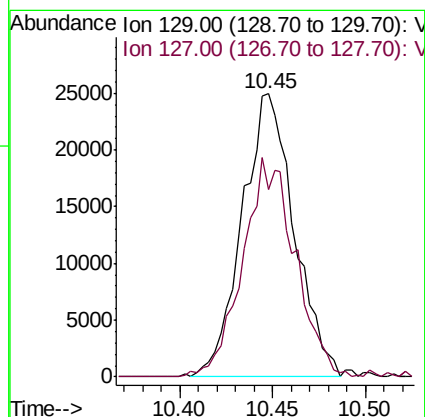
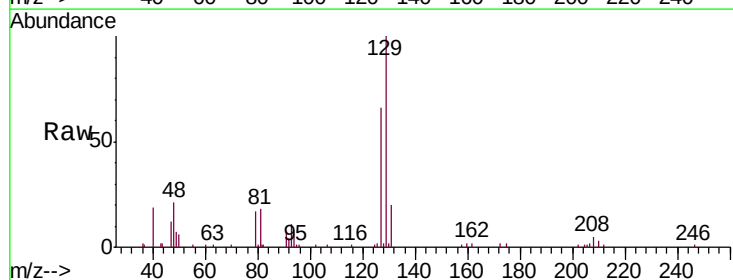
#47
 1,1,2-Trichloroethane
 Concen: 0.368 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

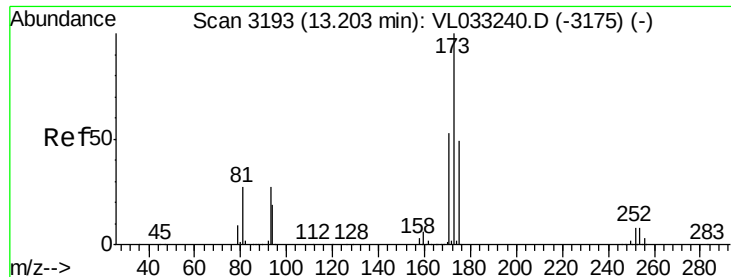
Tgt Ion:	97	Resp:	31882
Ion	Ratio	Lower	Upper
97	100		
83	93.7	71.1	106.7
85	47.7	42.9	64.3
99	59.8	48.2	72.4



#48
 Dibromochloromethane
 Concen: 0.348 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:	129	Resp:	48840
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	117.0





#49

Bromoform

Concen: 0.208 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

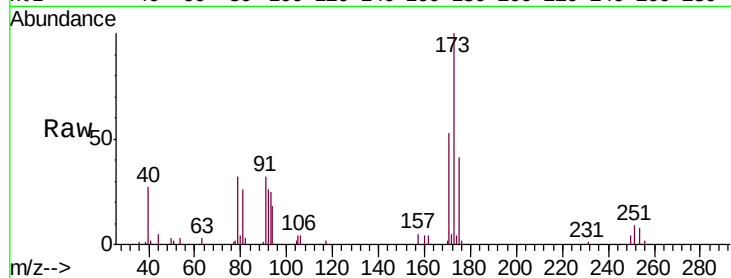
Tgt Ion: 173 Resp: 23296

Ion Ratio Lower Upper

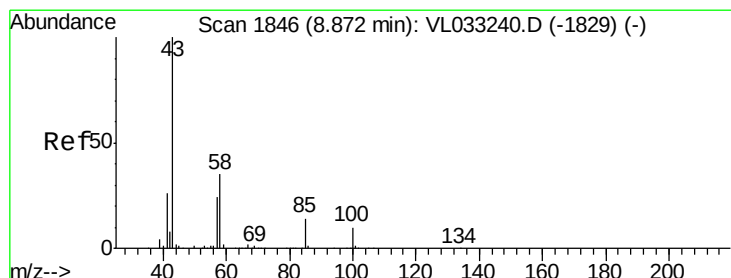
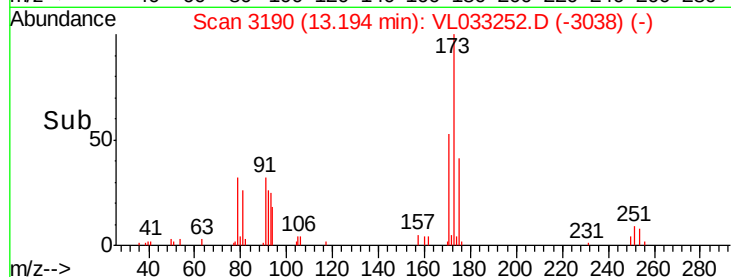
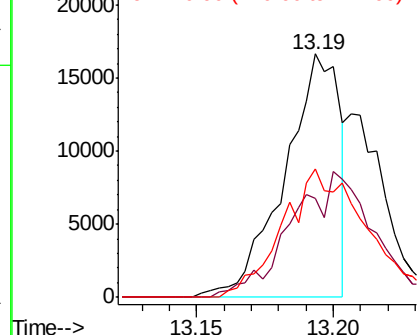
173 100

175 0.0 38.9 58.3#

171 79.8 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: 0.209 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.02 min

Lab File: VL033252.D

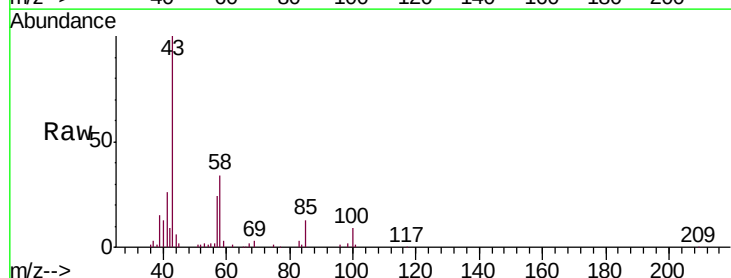
Acq: 6 Mar 2019 11:42

Tgt Ion: 43 Resp: 46946

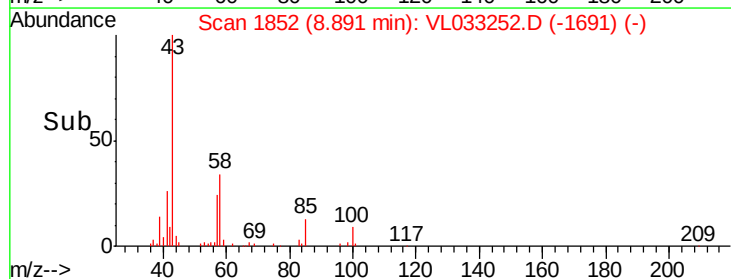
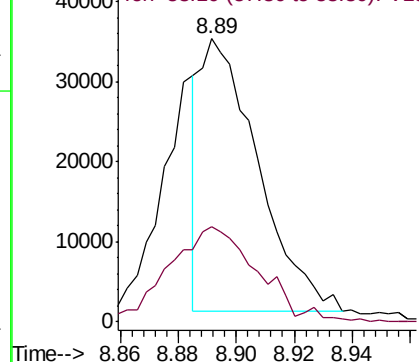
Ion Ratio Lower Upper

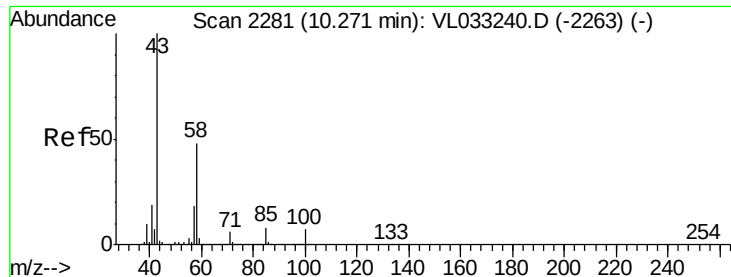
43 100

58 54.3 27.8 41.6#



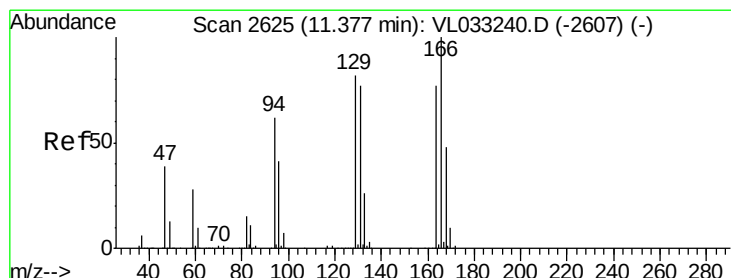
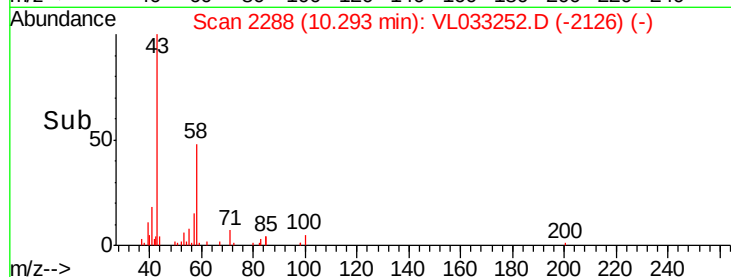
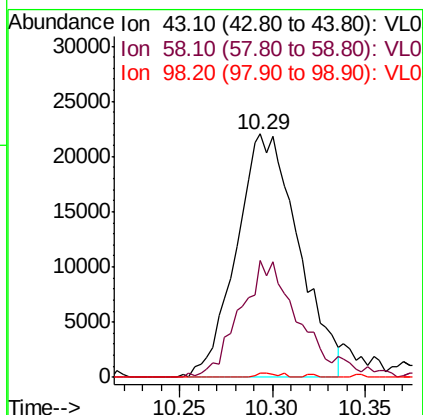
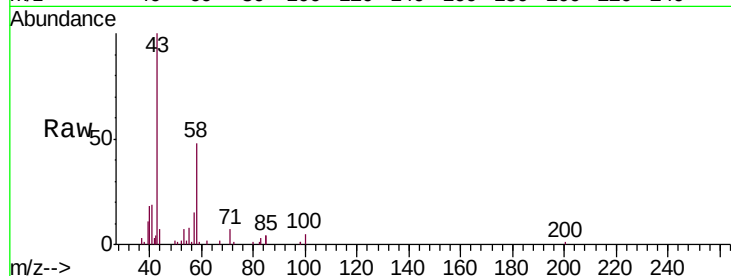
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





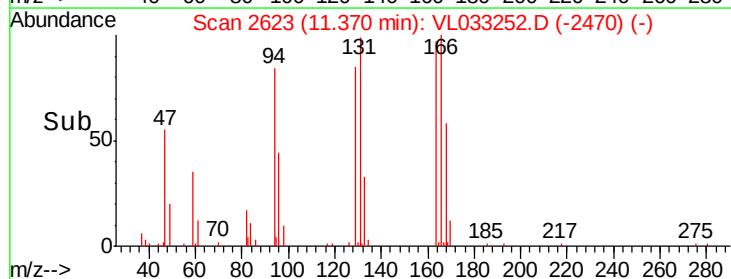
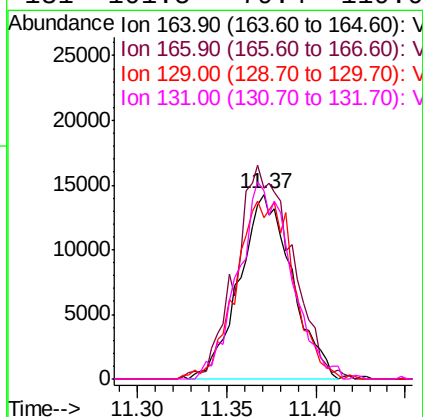
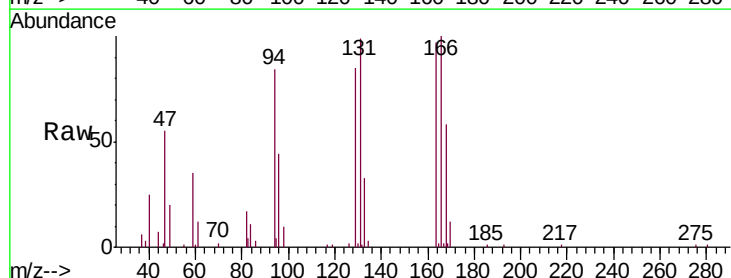
#51
2-Hexanone
Concen: 0.305 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

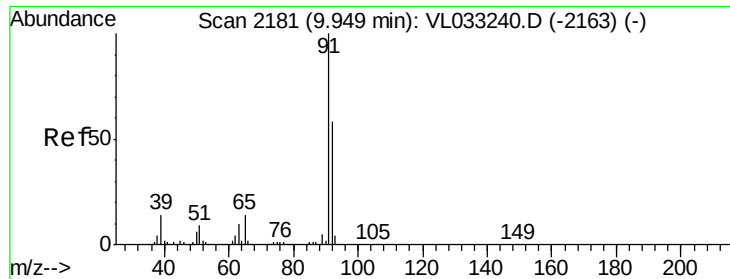
Tgt Ion: 43 Resp: 51396
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.2
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.382 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion: 164 Resp: 29368
Ion Ratio Lower Upper
164 100
166 99.8 103.3 154.9#
129 85.6 84.4 126.6
131 101.5 79.4 119.0





#53

Toluene

Concen: 0.320 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033252.D

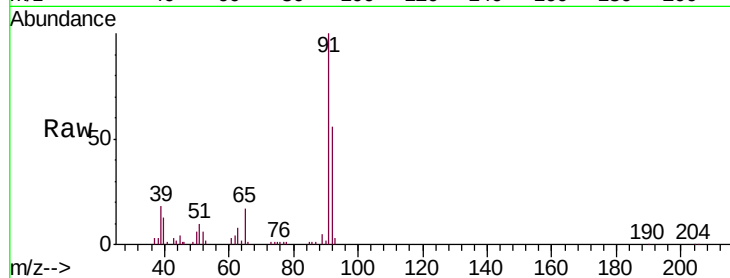
Acq: 6 Mar 2019 11:42

Tgt Ion: 91 Resp: 76270

Ion Ratio Lower Upper

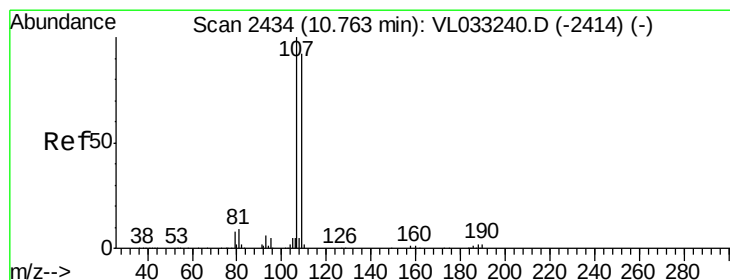
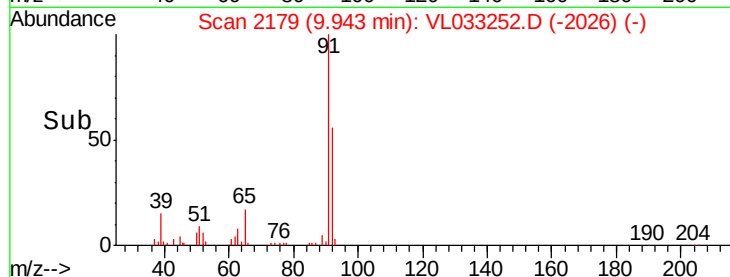
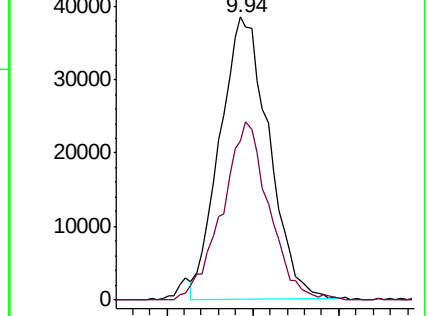
91 100

92 60.5 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.239 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033252.D

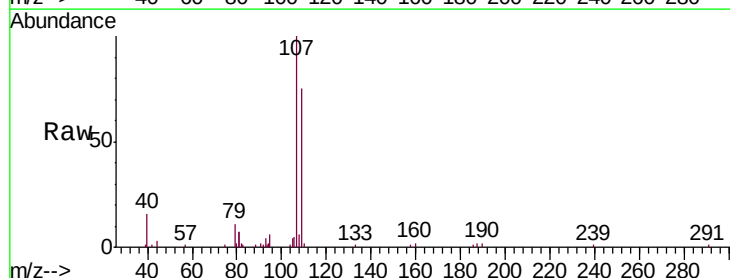
Acq: 6 Mar 2019 11:42

Tgt Ion: 107 Resp: 31420

Ion Ratio Lower Upper

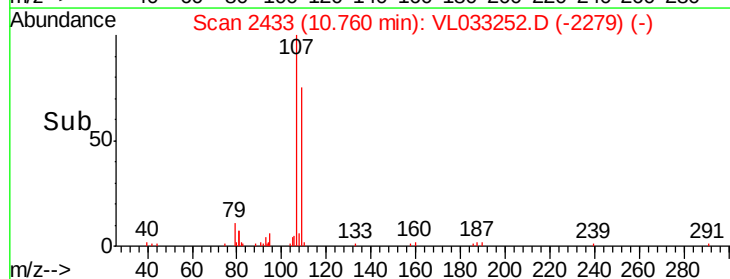
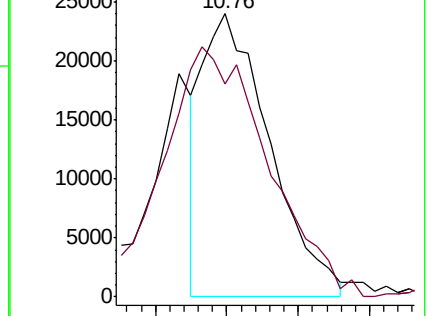
107 100

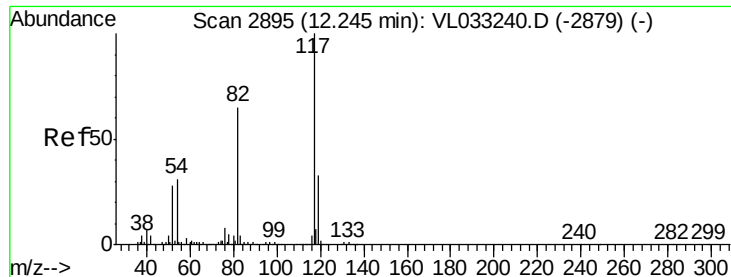
109 76.2 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

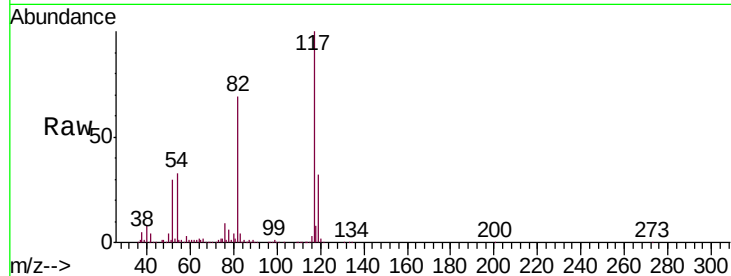
Ion 109.00 (108.70 to 109.70): V



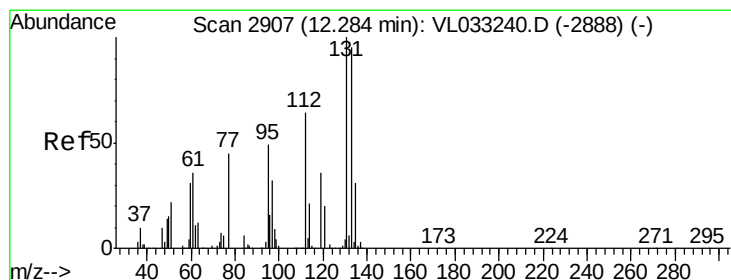
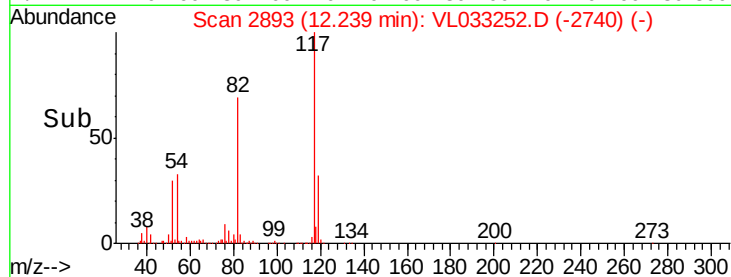
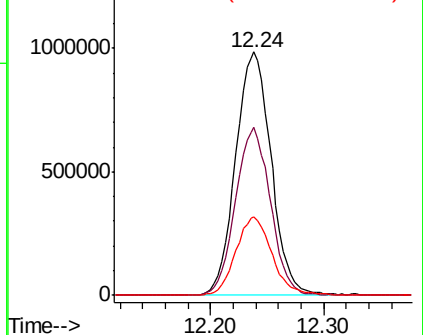


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion:117 Resp: 2160514
Ion Ratio Lower Upper
117 100
82 68.1 51.8 77.8
119 32.9 43.6 65.4#

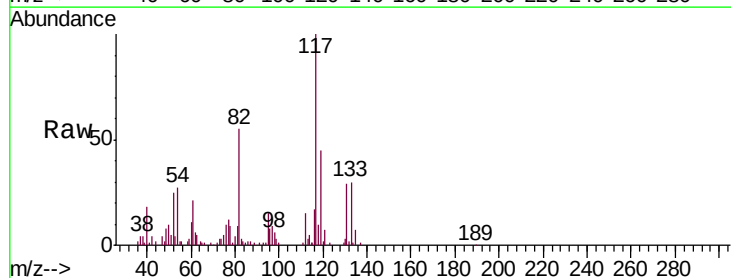


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

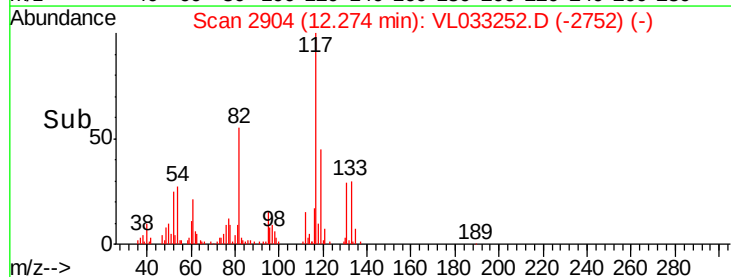
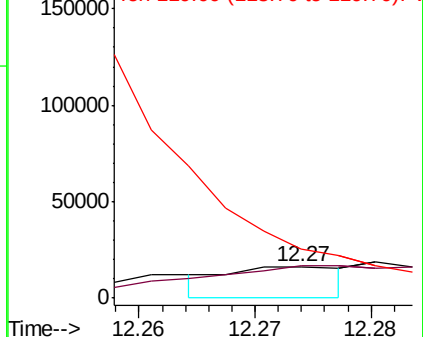


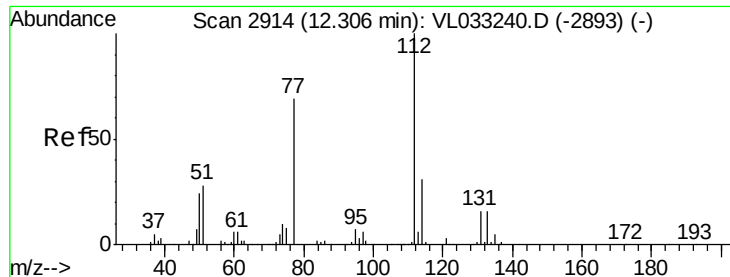
#56
1,1,1,2-Tetrachloroethane
Concen: 0.124 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion:131 Resp: 11586
Ion Ratio Lower Upper
131 100
133 321.5 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: 0.248 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

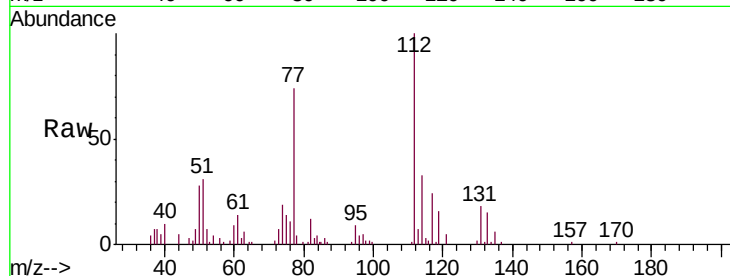
Tgt Ion: 112 Resp: 41662

Ion Ratio Lower Upper

112 100

77 74.8 56.5 84.7

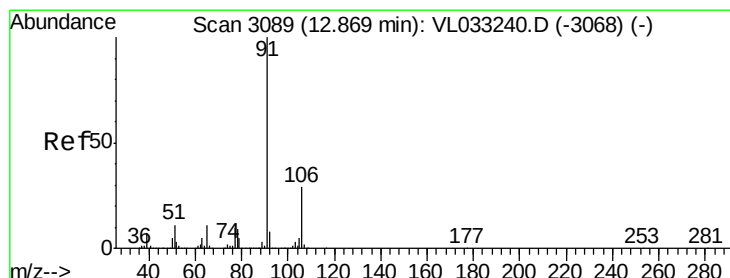
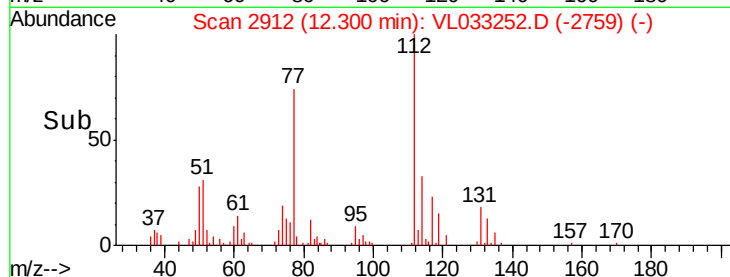
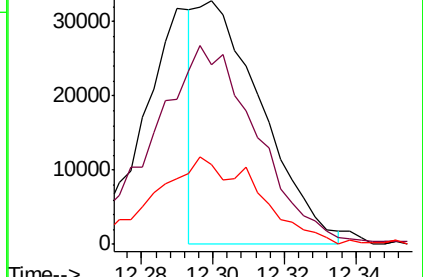
114 34.7 28.4 34.7#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.370 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL033252.D

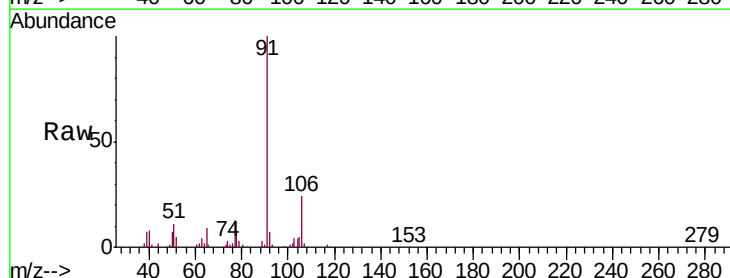
Acq: 6 Mar 2019 11:42

Tgt Ion: 91 Resp: 110715

Ion Ratio Lower Upper

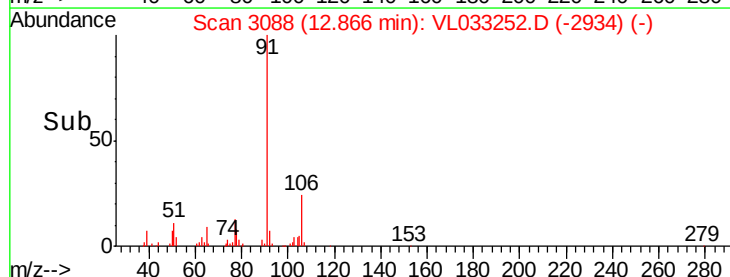
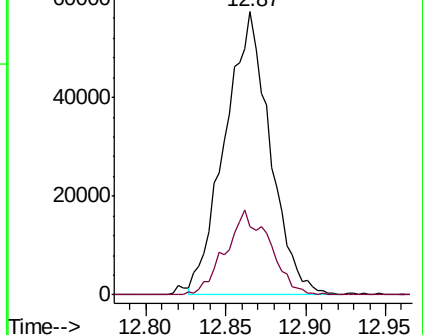
91 100

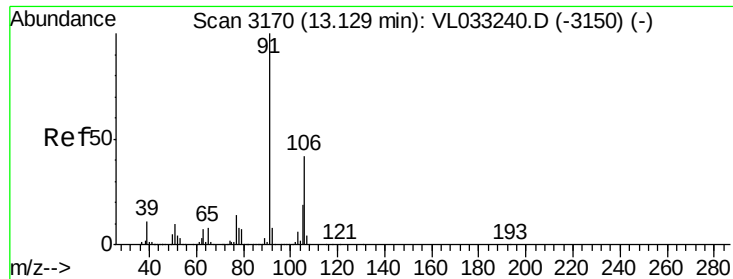
106 24.0 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

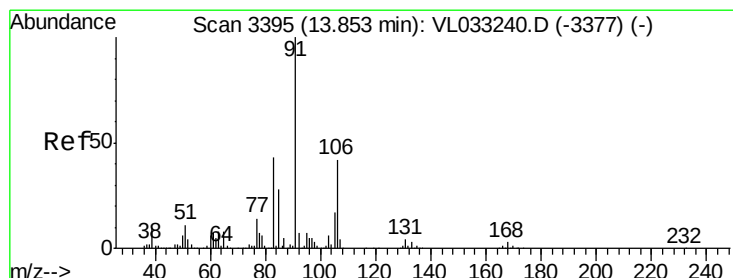
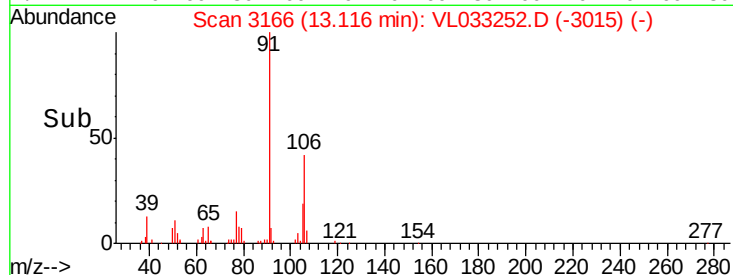
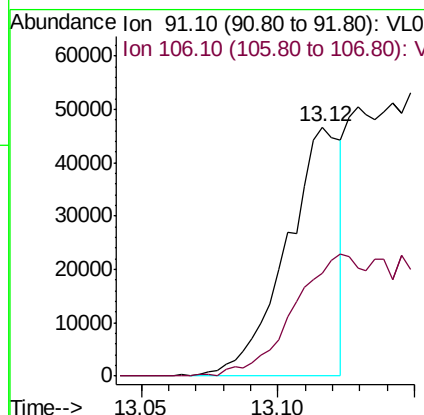
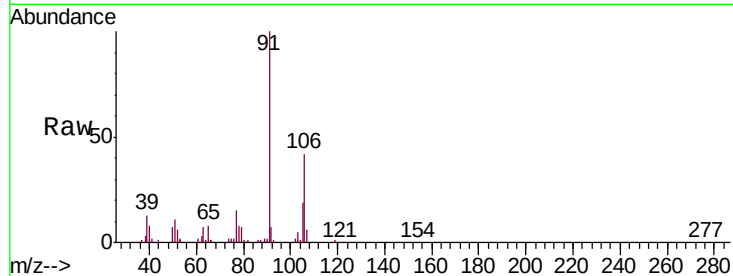
Ion 106.10 (105.80 to 106.80): V





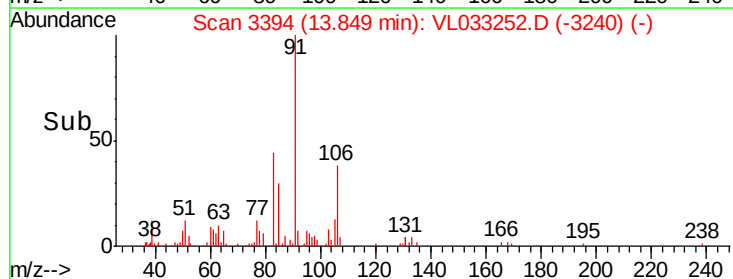
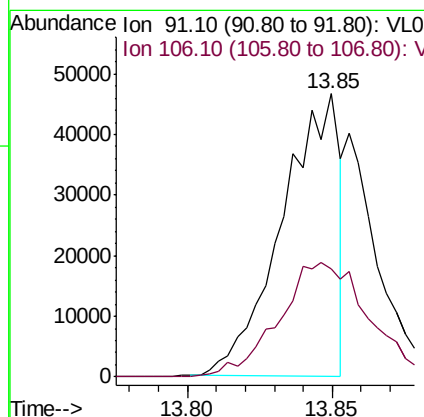
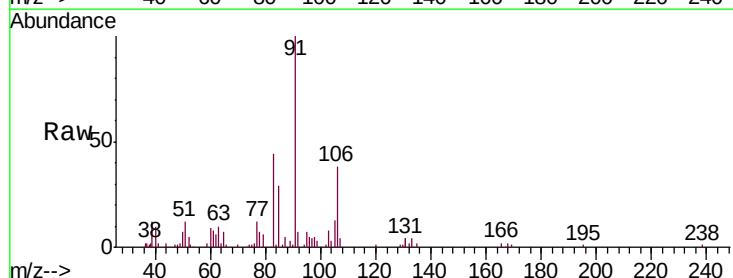
#59
m/p-Xylene
Concen: 0.251 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

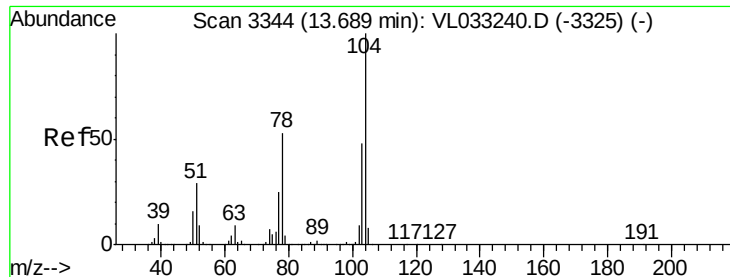
Tgt Ion: 91 Resp: 64042
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#60
o-Xylene
Concen: 0.264 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

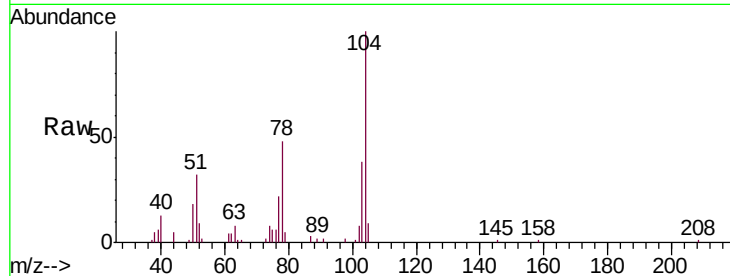
Tgt Ion: 91 Resp: 64190
Ion Ratio Lower Upper
91 100
106 63.6 21.4 64.3



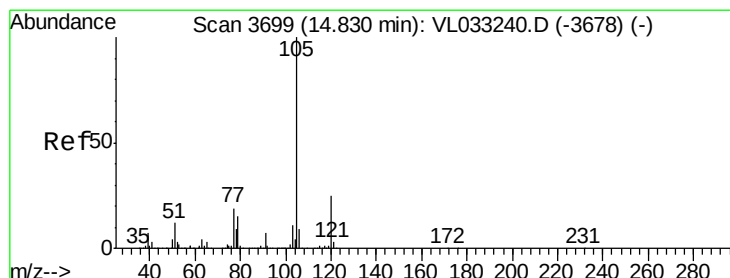
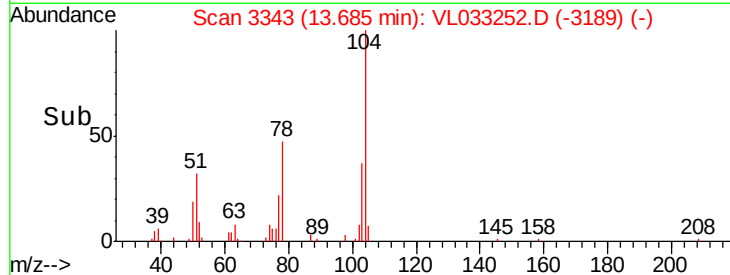
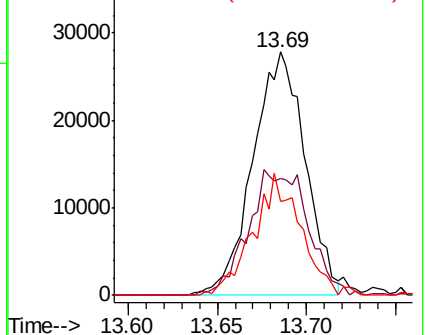


#61
 Styrene
 Concen: 0.333 ppbv
 RT: 13.69 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:104 Resp: 56925
 Ion Ratio Lower Upper
 104 100
 78 58.5 43.7 65.5
 103 45.4 38.2 57.2

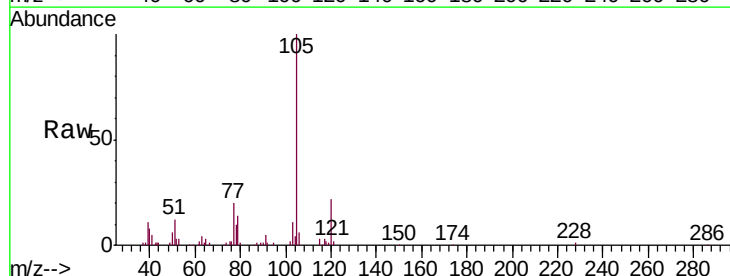


Abundance Ion 104.10 (103.80 to 104.80): V
 Ion 78.10 (77.80 to 78.80): VL0
 Ion 103.10 (102.80 to 103.80): V

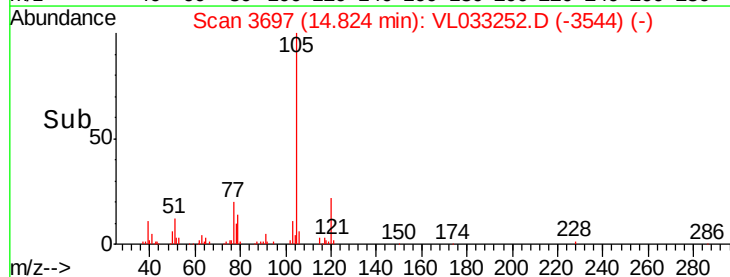
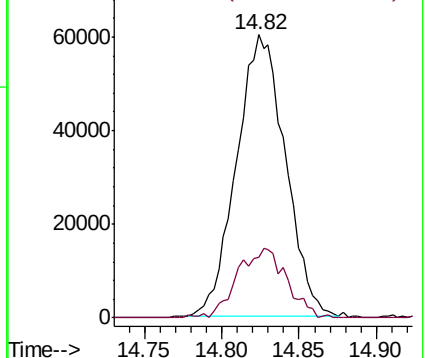


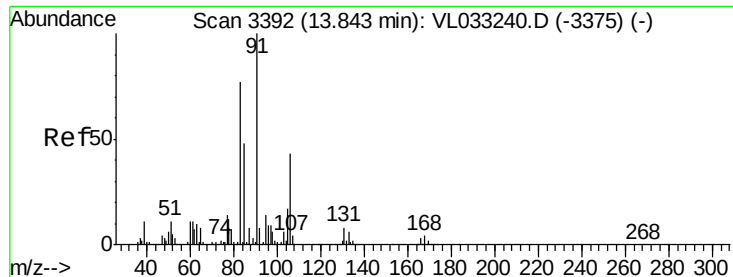
#62
 Isopropylbenzene
 Concen: 0.390 ppbv
 RT: 14.82 min Scan# 3697
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:105 Resp: 132069
 Ion Ratio Lower Upper
 105 100
 120 25.0 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: 0.416 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

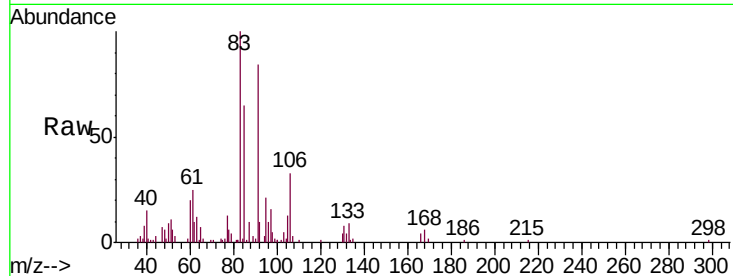
Tgt Ion: 83 Resp: 71856

Ion Ratio Lower Upper

83 100

131 11.2 4.7 14.0

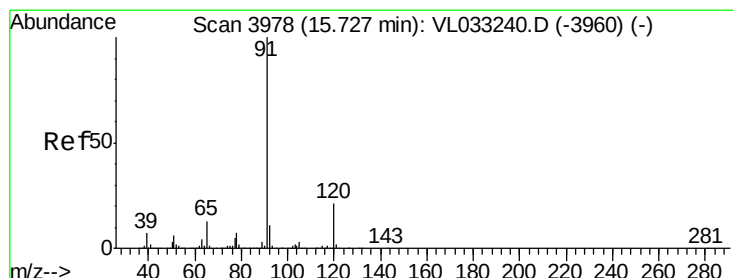
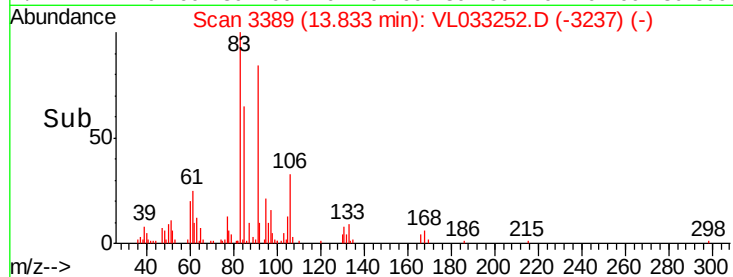
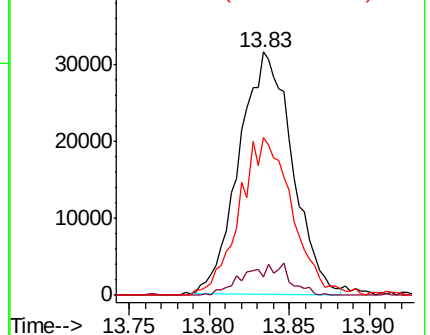
85 65.8 32.6 97.8



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: 0.390 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL033252.D

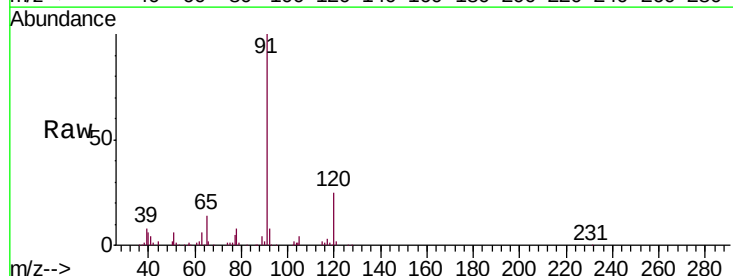
Acq: 6 Mar 2019 11:42

Tgt Ion: 120 Resp: 32762

Ion Ratio Lower Upper

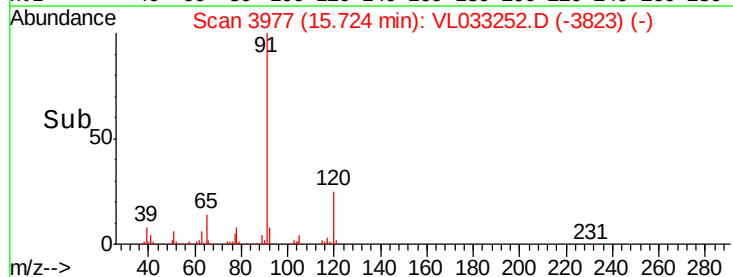
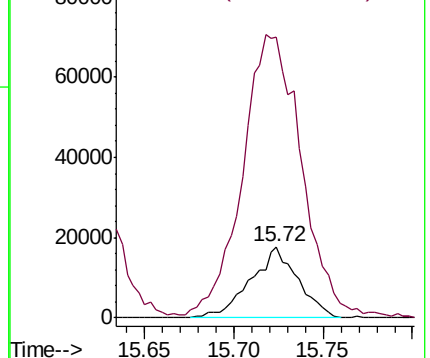
120 100

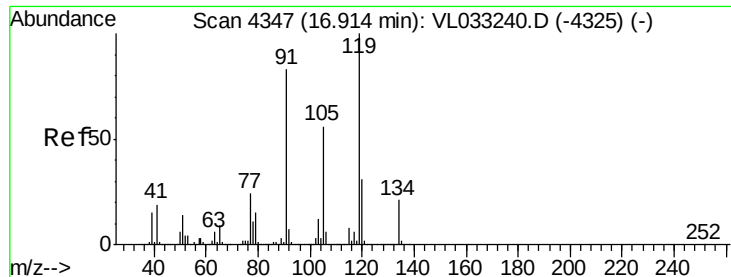
91 499.9 392.2 588.4



Abundance Ion 120.20 (119.90 to 120.90): V

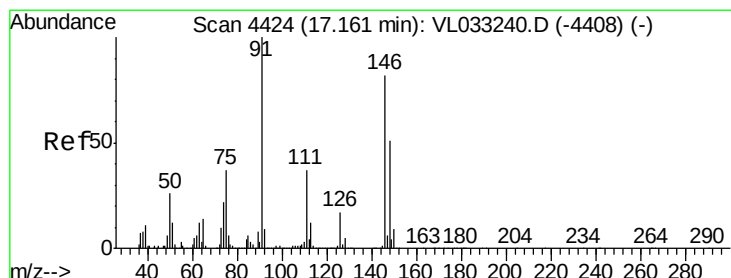
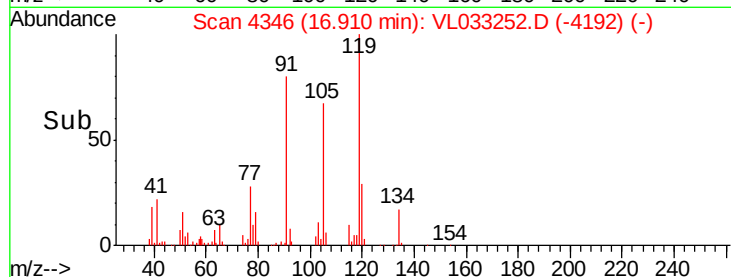
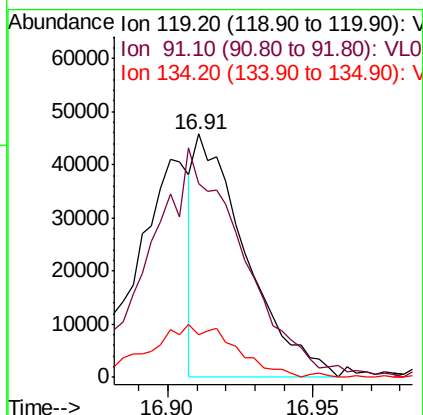
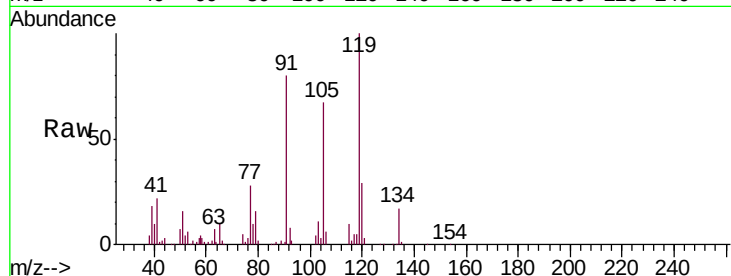
Ion 91.10 (90.80 to 91.80): VL0





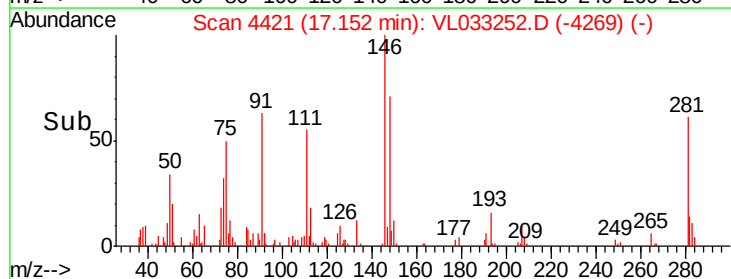
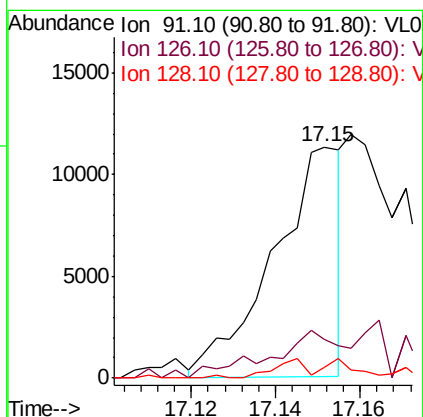
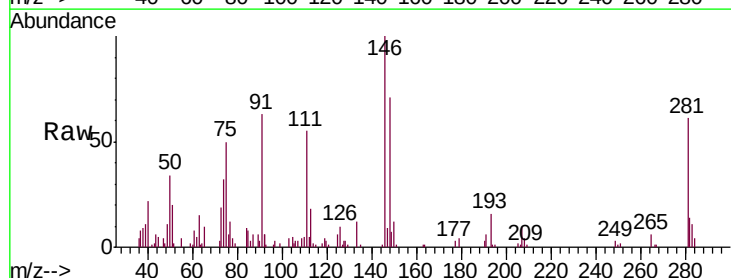
#65
 tert-Butylbenzene
 Concen: 0.195 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

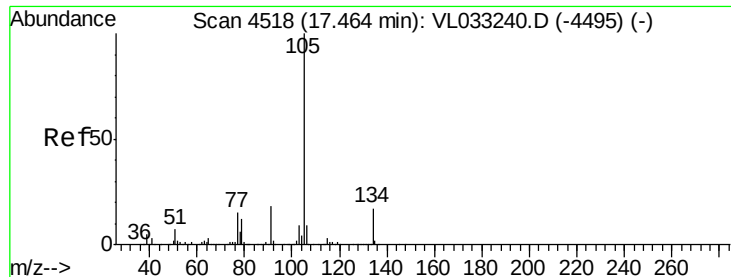
Tgt Ion: 119 Resp: 56331
 Ion Ratio Lower Upper
 119 100
 91 173.3 67.0 100.4#
 134 37.8 15.4 23.2#



#66
 Benzyl Chloride
 Concen: 0.113 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion: 91 Resp: 12584
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.4 20.0#
 128 9.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.379 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.01 min

Lab File: VL033252.D

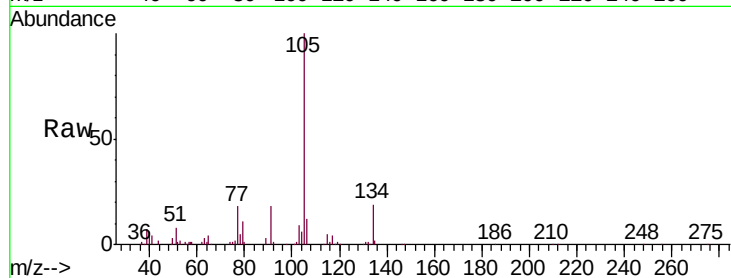
Acq: 6 Mar 2019 11:42

Tgt Ion: 105 Resp: 156090

Ion Ratio Lower Upper

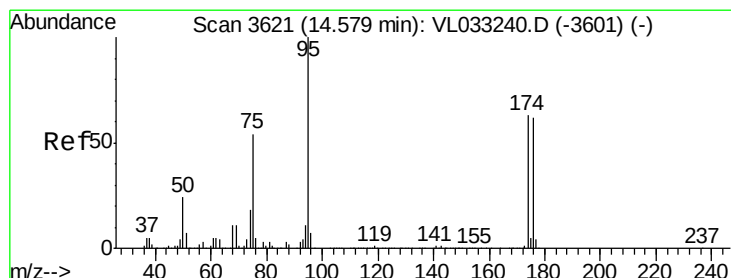
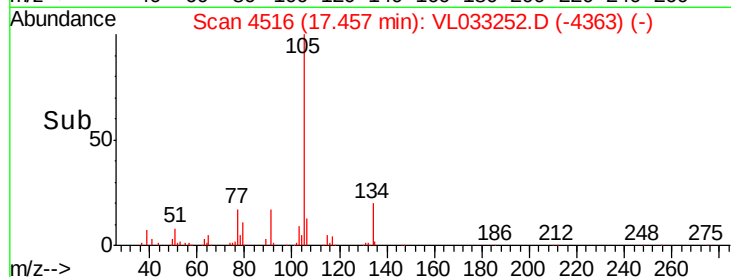
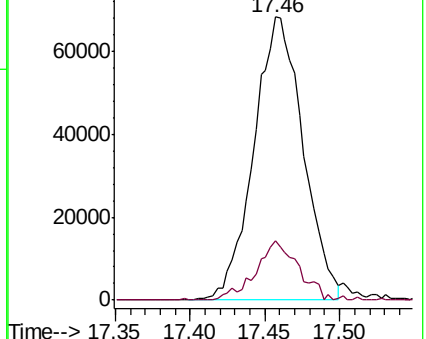
105 100

134 18.1 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: 10.313 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

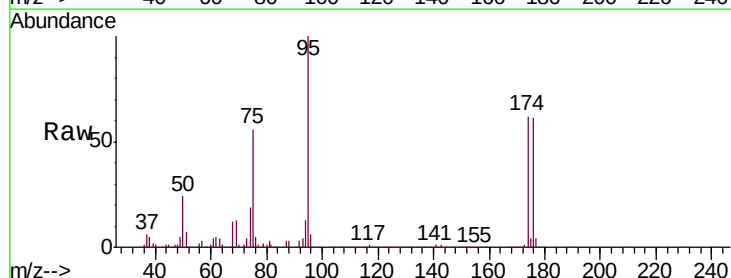
Tgt Ion: 95 Resp: 1690667

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.4

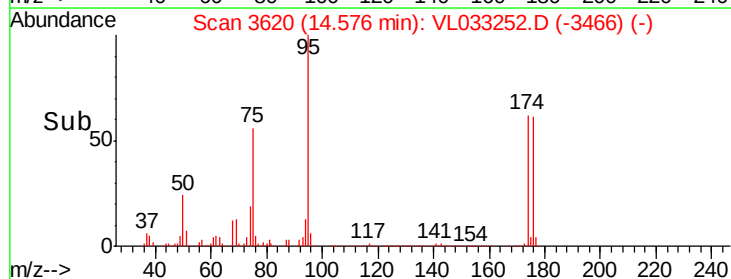
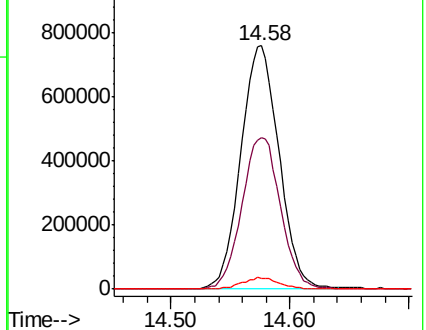
175 4.6 3.8 5.6

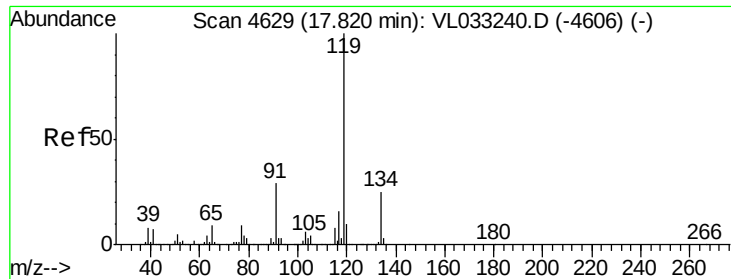


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

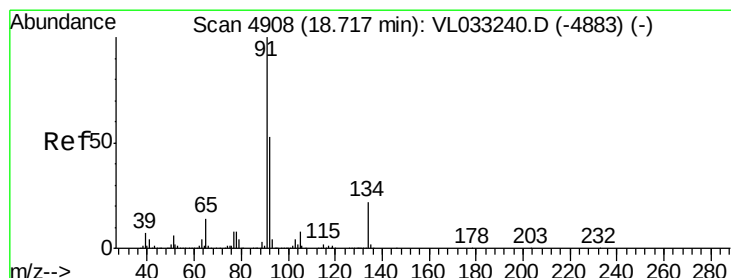
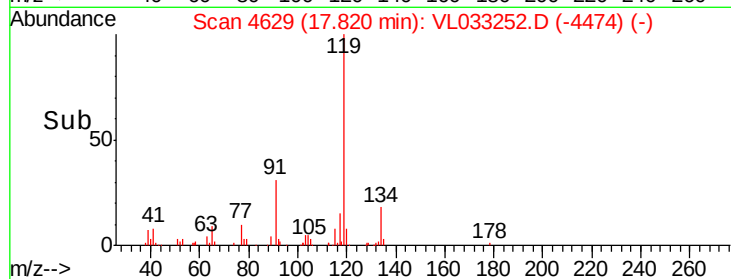
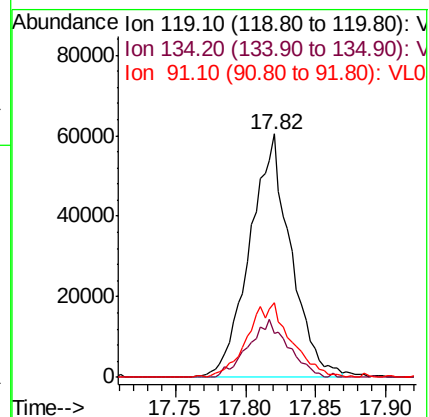
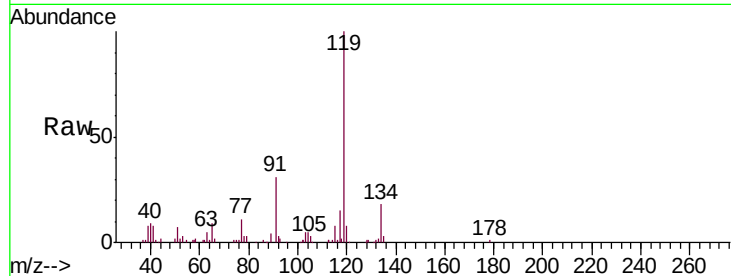
Ion 175.00 (174.70 to 175.70): V





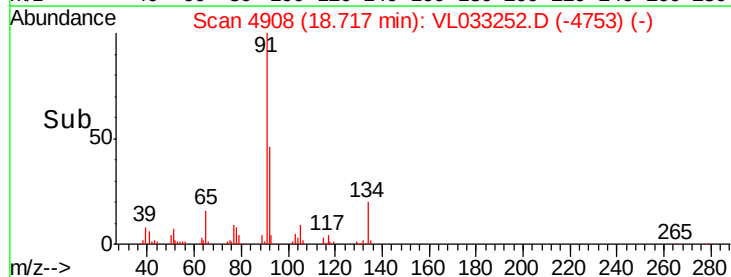
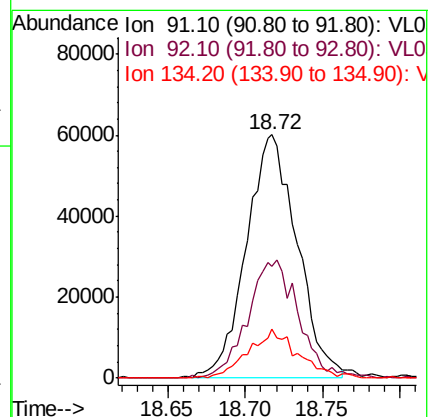
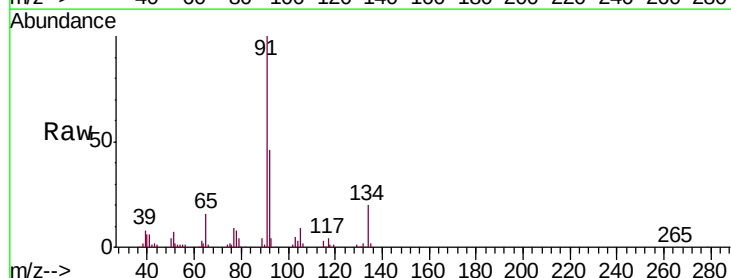
#69
 p-Isopropyltoluene
 Concen: 0.369 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

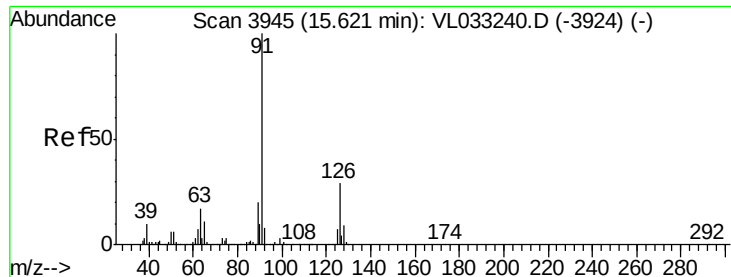
Tgt Ion:	119	Resp:	123093
Ion	Ratio	Lower	Upper
119	100		
134	23.2	19.9	29.9
91	32.9	23.9	35.9



#70
 n-Butylbenzene
 Concen: 0.373 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:	91	Resp:	136101
Ion	Ratio	Lower	Upper
91	100		
92	49.0	42.4	63.6
134	19.9	17.3	25.9





#71

2-Chlorotoluene

Concen: 0.373 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL033252.D

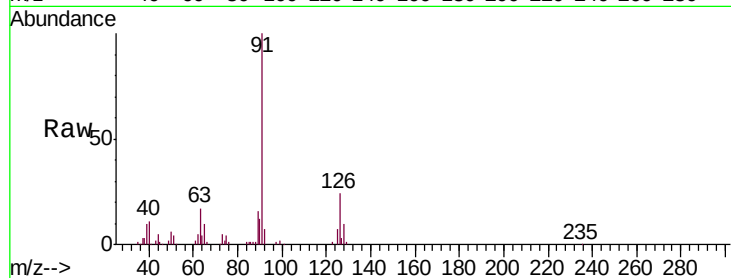
Acq: 6 Mar 2019 11:42

Tgt Ion: 91 Resp: 96481

Ion Ratio Lower Upper

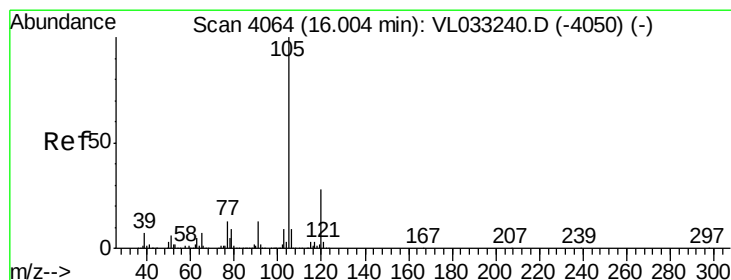
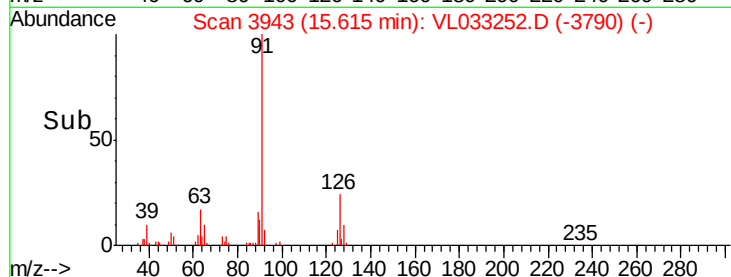
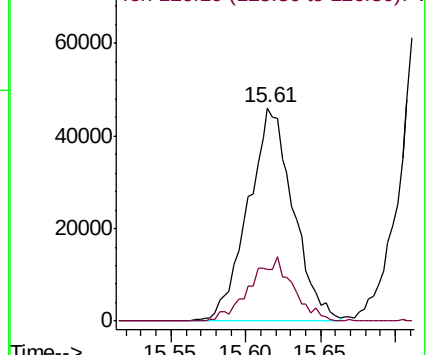
91 100

126 28.5 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: 0.331 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion: 105 Resp: 87950

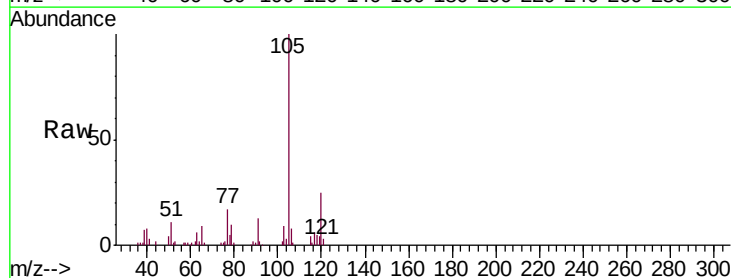
Ion Ratio Lower Upper

105 100

120 33.6 22.3 33.5#

91 17.4 10.3 15.5#

77 17.1 11.3 16.9#

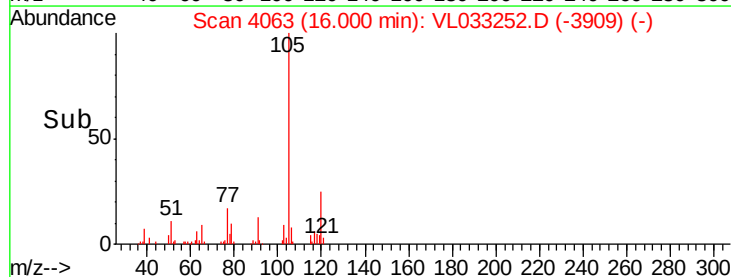
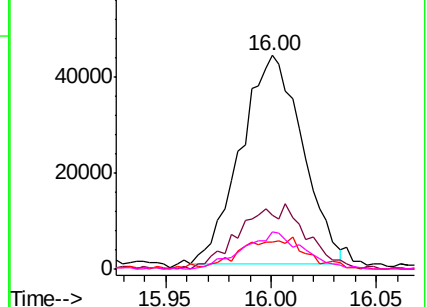


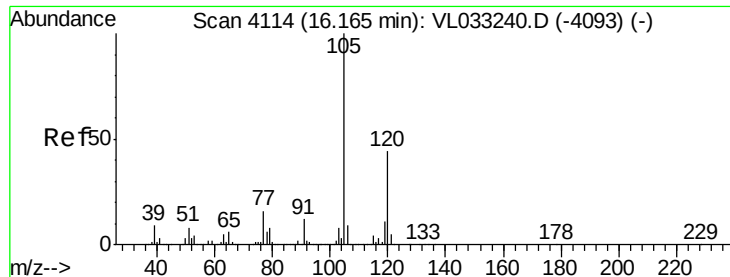
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.201 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL033252.D

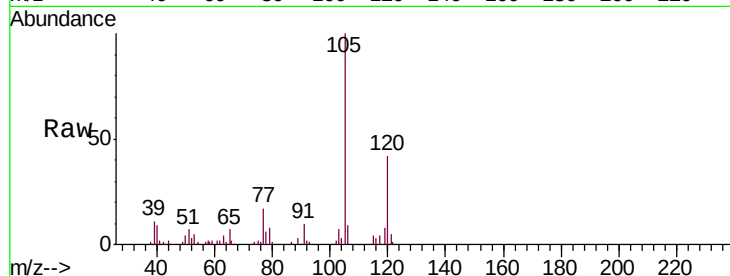
Acq: 6 Mar 2019 11:42

Tgt Ion:105 Resp: 51194

Ion Ratio Lower Upper

105 100

120 42.3 35.0 52.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.15

40000

30000

20000

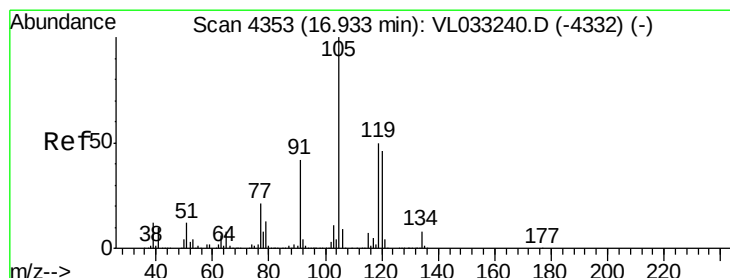
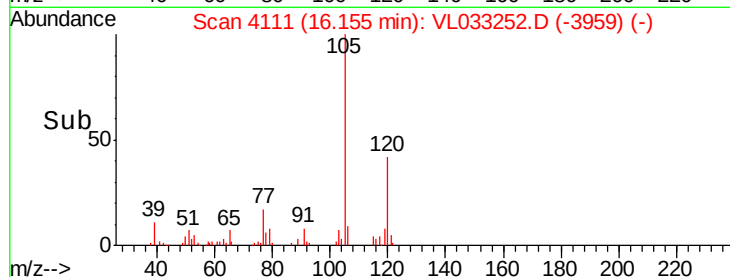
10000

0

Time-->

16.10

16.15



#74

1,2,4-Trimethylbenzene

Concen: 0.383 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL033252.D

Acq: 6 Mar 2019 11:42

Tgt Ion:105 Resp: 102541

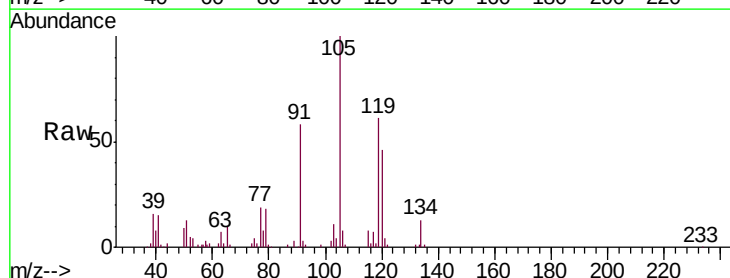
Ion Ratio Lower Upper

105 100

120 45.9 36.5 54.7

91 56.4 34.4 51.6#

77 18.7 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

60000

40000

20000

0

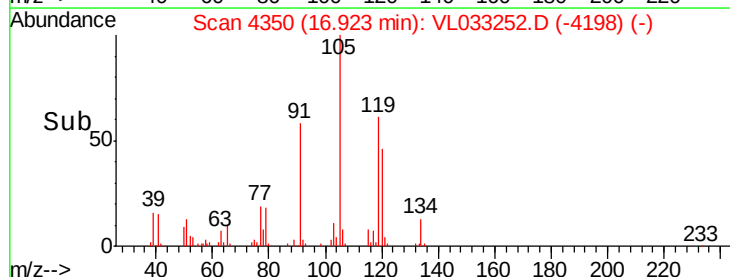
Time-->

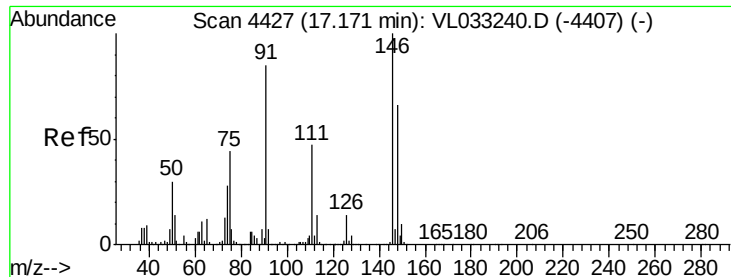
16.85

16.90

16.95

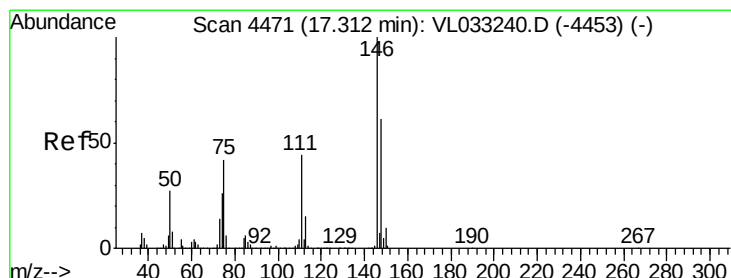
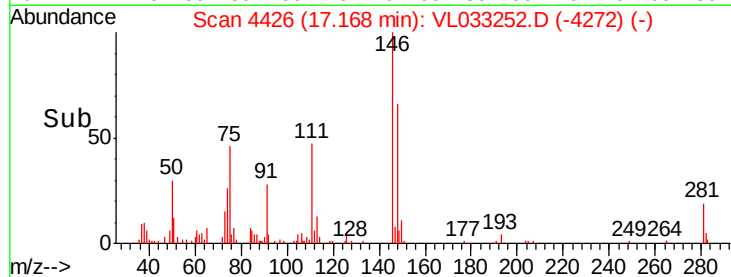
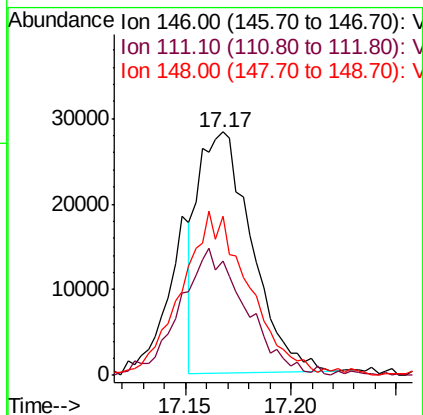
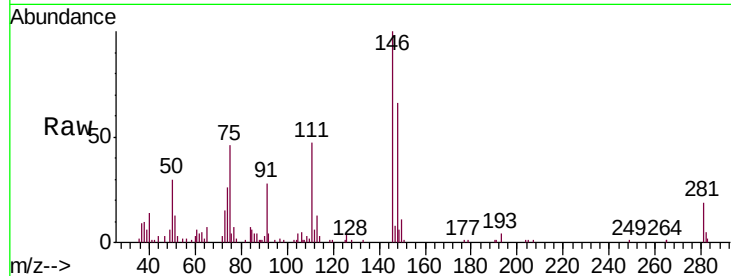
17.00





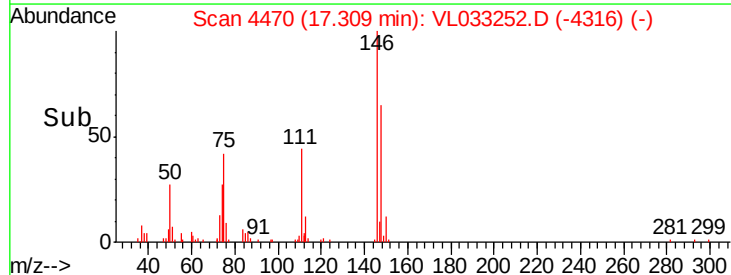
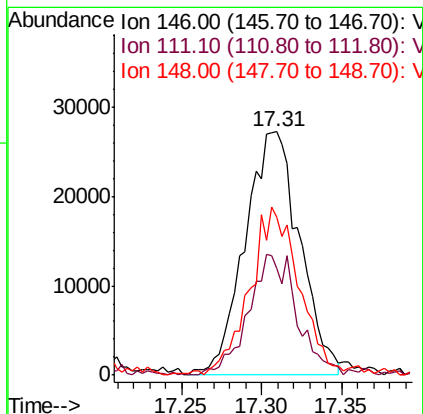
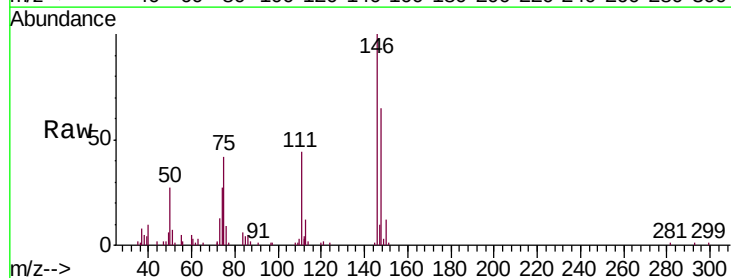
#75
 1,3-Dichlorobenzene
 Concen: 0.320 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

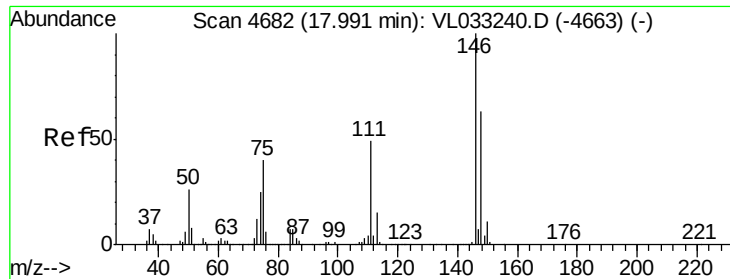
Tgt Ion:146 Resp: 50028
 Ion Ratio Lower Upper
 146 100
 111 65.8 23.4 70.0
 148 86.3 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 0.415 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

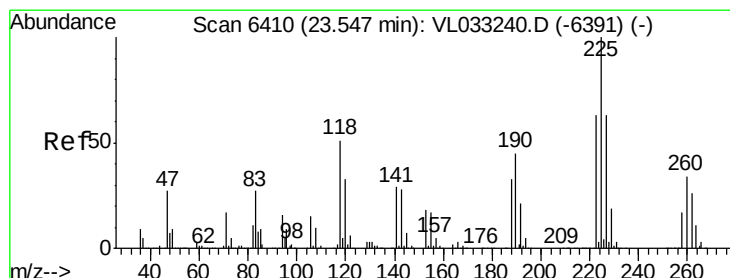
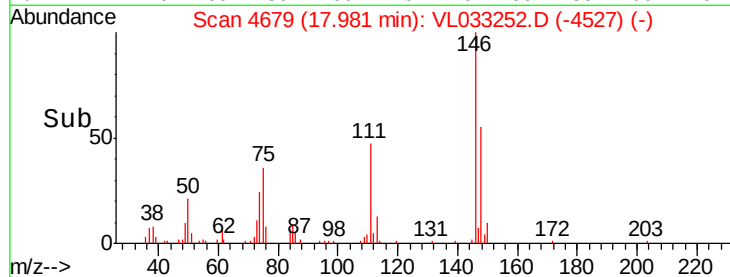
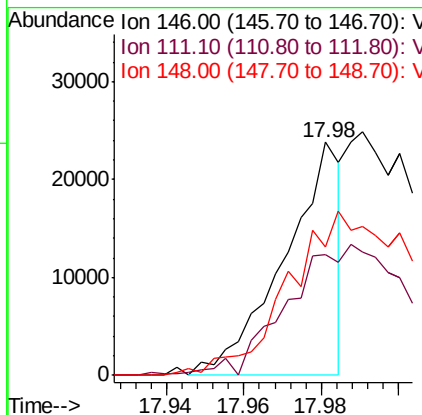
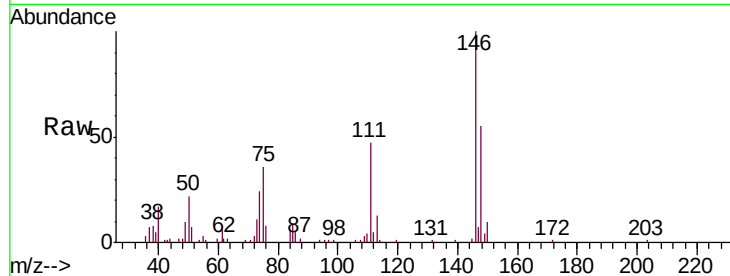
Tgt Ion:146 Resp: 64362
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.4 67.3
 148 63.3 32.1 96.3





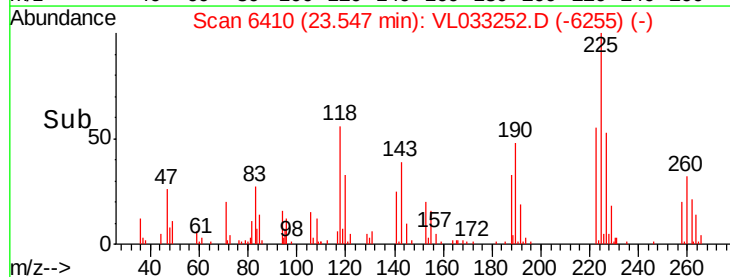
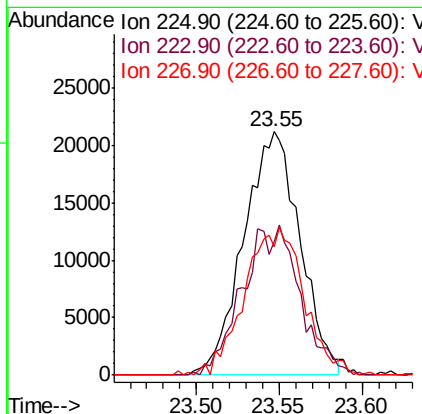
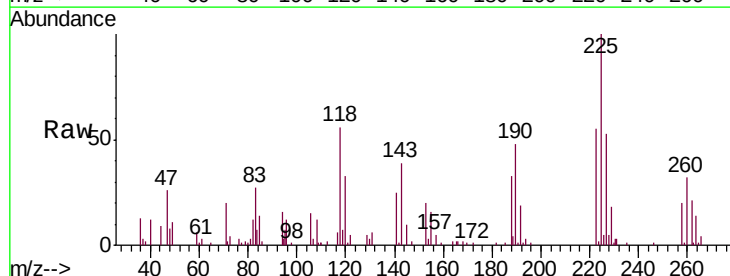
#77
 1,2-Dichlorobenzene
 Concen: 0.158 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

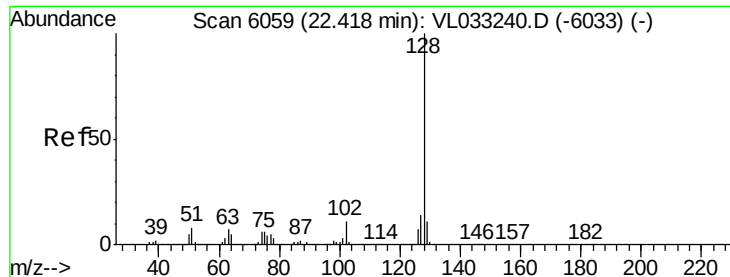
Tgt Ion:146 Resp: 24020
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.6 71.0#
 148 0.0 32.3 96.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.465 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

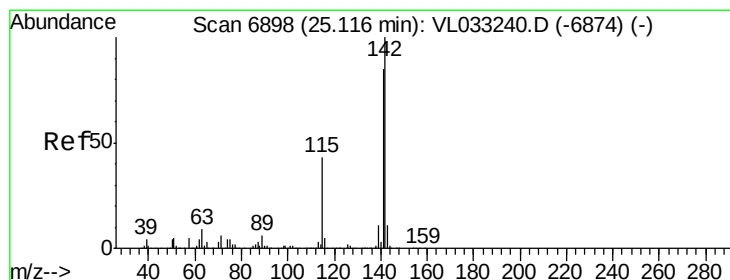
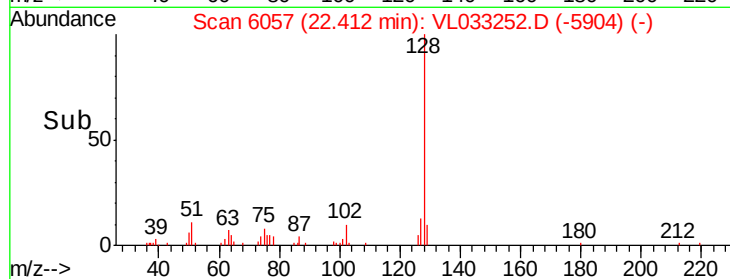
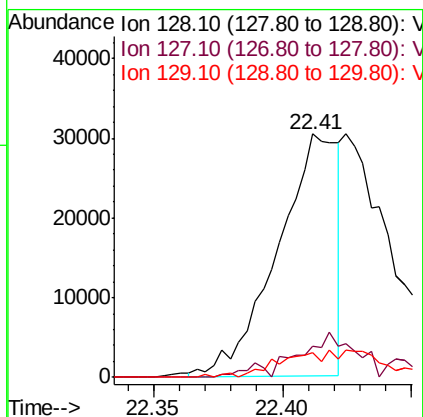
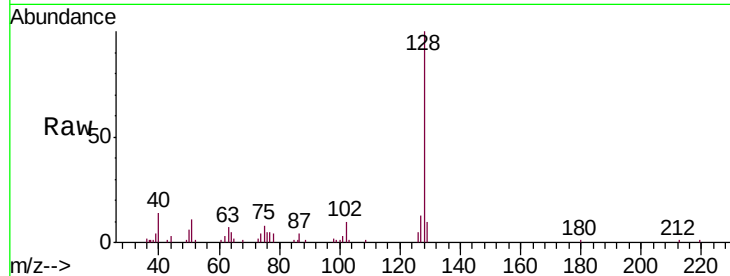
Tgt Ion:225 Resp: 50029
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.9 76.3
 227 64.1 50.7 76.1





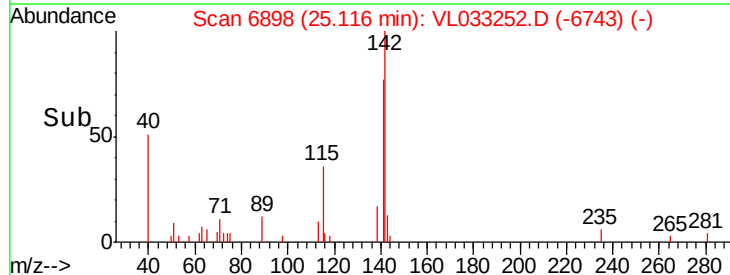
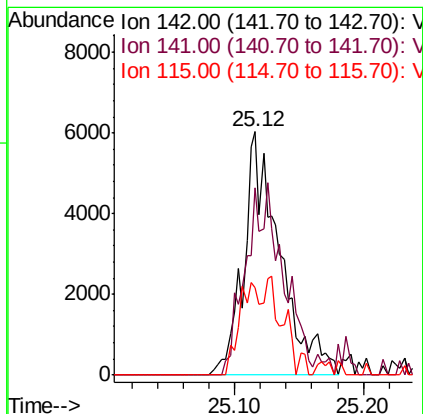
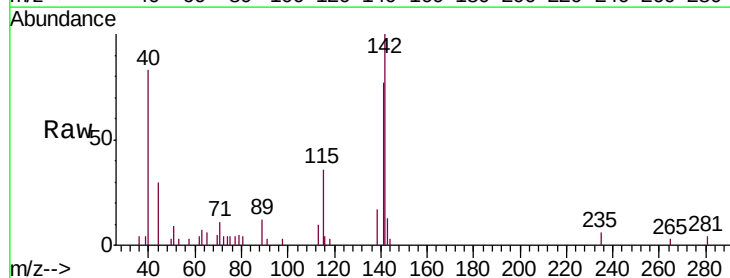
#79
Naphthalene
Concen: 0.151 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

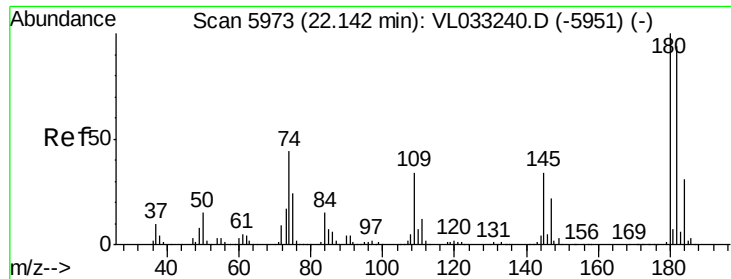
Tgt Ion:	128	Resp:	49405
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.8	16.2
129	10.4	8.6	13.0



#80
Naphthalene, 2-methyl-
Concen: 0.120 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033252.D
Acq: 6 Mar 2019 11:42

Tgt Ion:	142	Resp:	11700
Ion	Ratio	Lower	Upper
142	100		
141	83.6	68.0	102.0
115	47.0	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.128 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033252.D
 Acq: 6 Mar 2019 11:42

Tgt Ion:180 Resp: 21090
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 114.8#
 184 82.5 24.3 36.5#

