

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
 Data File : VL033215.D
 Acq On : 15 Feb 2019 2:12
 Operator : SY/AP
 Sample : K1483-09
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 15 04:21:15 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019

QLast Update : Wed Feb 06 09:13:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	912229	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2070871	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2066467	10.00	ppbv	0.00

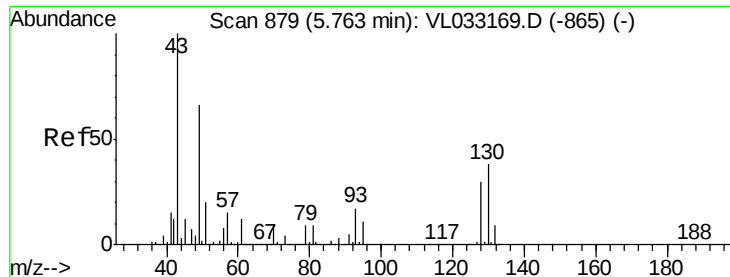
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1644158	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	76909	0.441	ppbv	100
3) Chlorodifluoromethane	3.02	51	32083	0.292	ppbv	100
4) Chloromethane	3.17	50	24965	0.430	ppbv	89
7) Chloroethane	3.60	64	10655	0.538	ppbv #	86
9) Propene	3.24	41	74173	1.398	ppbv	86
10) Heptane	8.25	43	38765	0.241	ppbv	99
11) Trichlorofluoromethane	4.01	101	48292	0.342	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	56415	0.577	ppbv	97
13) Ethanol	3.65	45	186747	10.554	ppbv	96
15) Acetone	3.90	43	1458432	14.191	ppbv #	89
16) 1,3-Butadiene	3.34	39	23127	0.474	ppbv #	16
17) tert-Butyl alcohol	4.36	59	35051	1.789	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	29496	0.673	ppbv	93
19) Isopropyl Alcohol	4.02	45	1861350	26.704	ppbv	99
20) Methylene Chloride	4.41	84	75204	1.840	ppbv	97
21) Allyl Chloride	4.44	41	5346	0.079	ppbv #	1
22) trans-1,2-Dichloroethene	4.96	96	12391	0.291	ppbv	93
23) Vinyl Acetate	5.14	43	113812	0.639	ppbv #	1
24) 1,1-Dichloroethane	5.09	63	1289021	10.231	ppbv	99
25) Ethyl Acetate	5.78	43	112180	0.485	ppbv #	80
26) Hexane	5.78	57	149699	1.380	ppbv #	41
30) Cyclohexane	7.25	84	15500	0.154	ppbv #	19
32) 1,1,1-Trichloroethane	6.62	97	5929665	32.394	ppbv	99
34) 2-Butanone	5.34	43	69694	0.531	ppbv	98
36) Benzene	7.01	78	73447	0.350	ppbv	97
37) 1,2-Dichloroethane	6.41	62	7195	0.062	ppbv #	82
38) Trichloroethene	7.96	130	3134	0.035	ppbv #	61
39) 1,2-Dichloropropane	7.29	63	559861	6.755	ppbv #	25
41) Tetrahydrofuran	6.17	42	2954	0.036	ppbv #	82
44) 2,2,4-Trimethylpentane	7.99	57	298968	0.841	ppbv	96
52) Tetrachloroethene	11.37	164	5212	0.065	ppbv #	82
53) Toluene	9.95	91	274070	1.103	ppbv	99
58) Ethyl Benzene	12.87	91	91951	0.275	ppbv	98
59) m/p-Xylene	13.12	91	357411	1.281	ppbv #	100
60) o-Xylene	13.85	91	96520	0.356	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	12827	0.043	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.93	105	48386	0.156	ppbv #	72

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

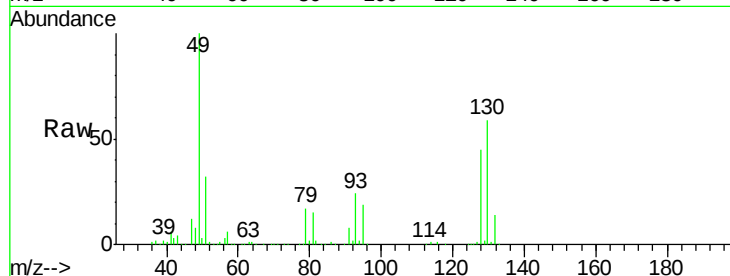
Tgt Ion: 49 Resp: 912229

Ion Ratio Lower Upper

49 100

128 45.4 23.6 71.0

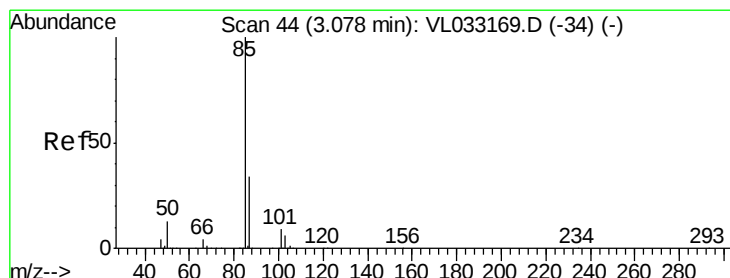
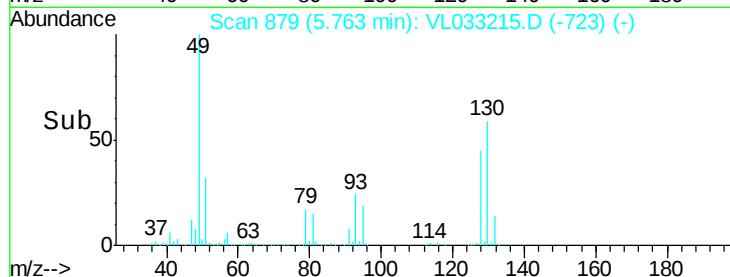
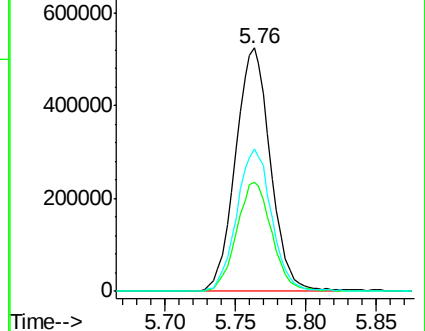
130 58.7 30.3 91.0



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: 0.441 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033215.D

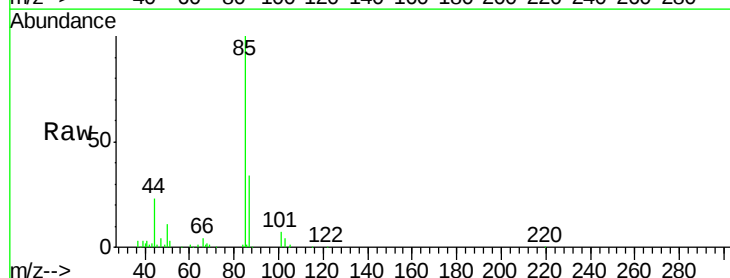
Acq: 15 Feb 2019 2:12

Tgt Ion: 85 Resp: 76909

Ion Ratio Lower Upper

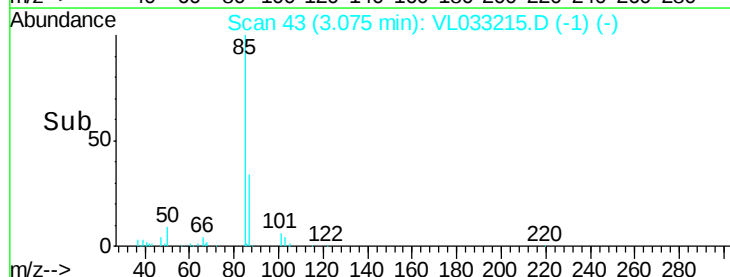
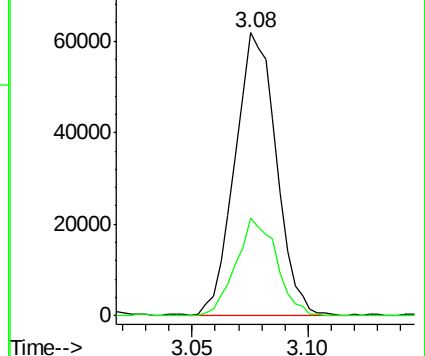
85 100

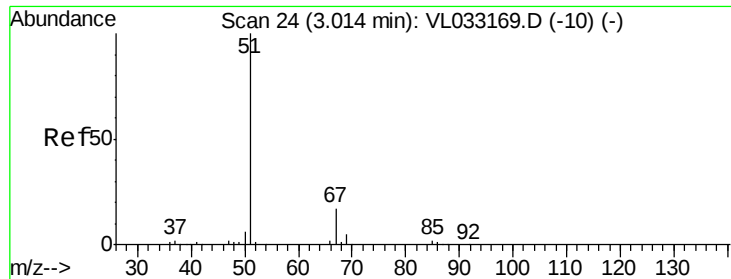
87 34.4 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.292 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033215.D

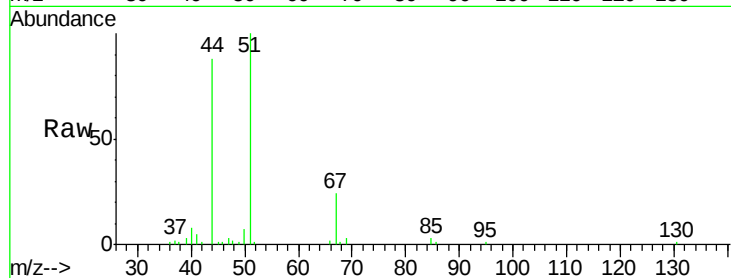
Acq: 15 Feb 2019 2:12

Tgt Ion: 51 Resp: 32083

Ion Ratio Lower Upper

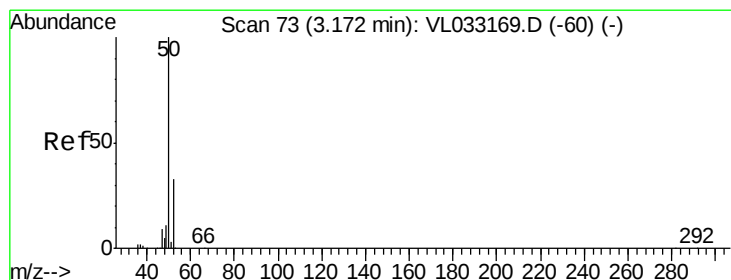
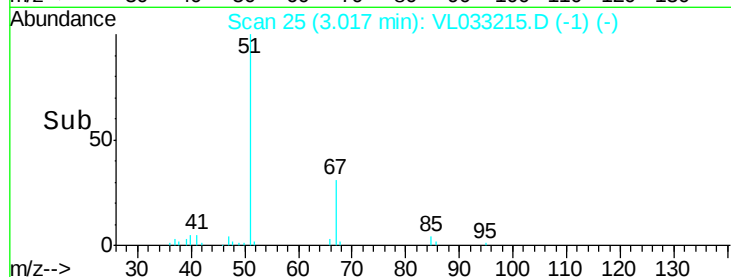
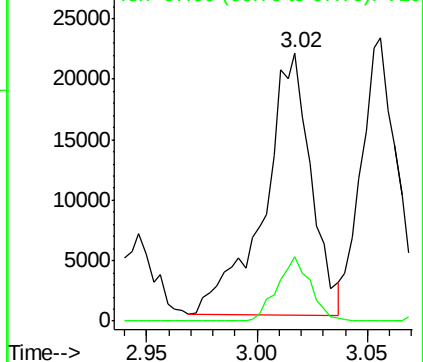
51 100

67 17.3 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.430 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033215.D

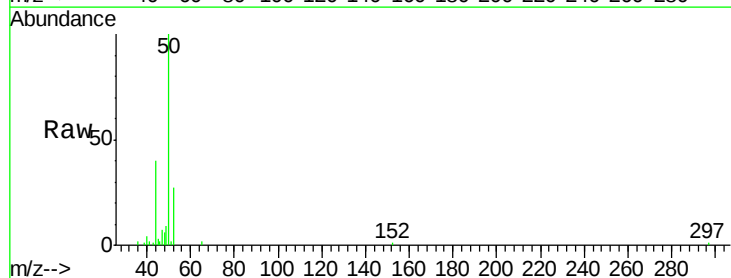
Acq: 15 Feb 2019 2:12

Tgt Ion: 50 Resp: 24965

Ion Ratio Lower Upper

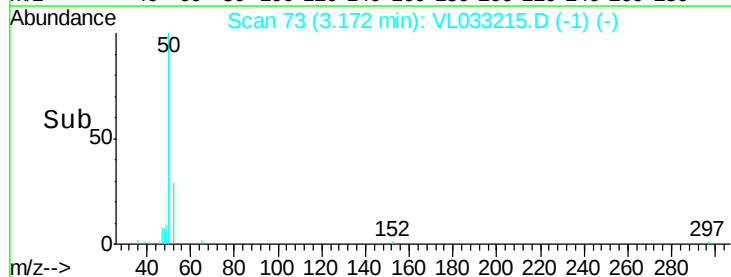
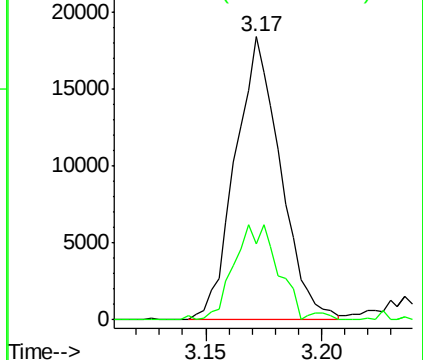
50 100

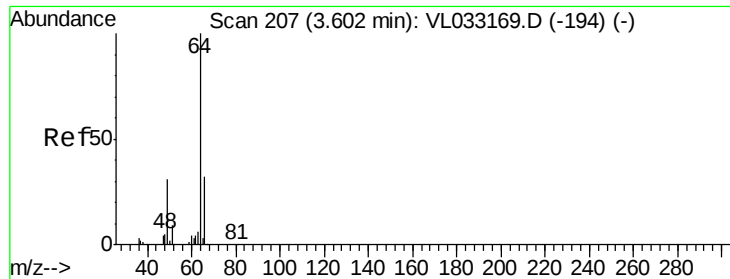
52 26.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.538 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033215.D

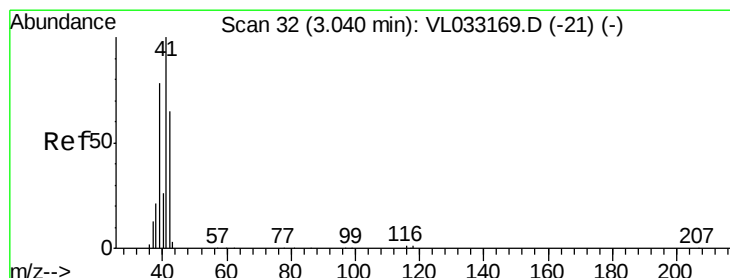
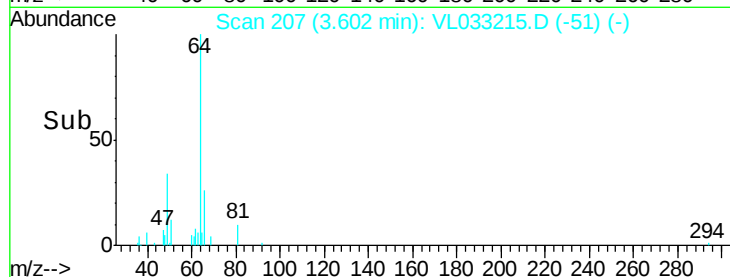
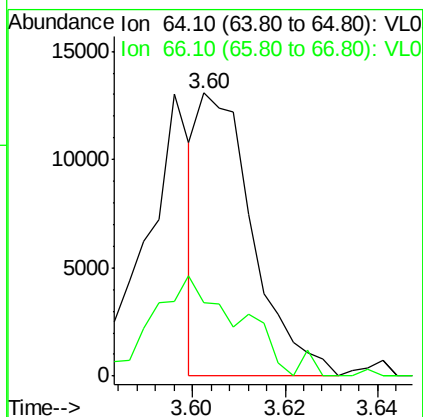
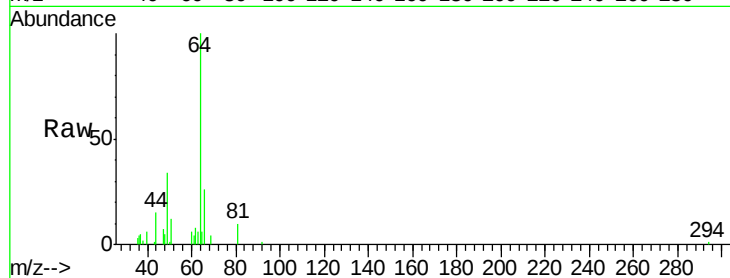
Acq: 15 Feb 2019 2:12

Tgt Ion: 64 Resp: 10655

Ion Ratio Lower Upper

64 100

66 24.6 26.0 39.0#



#9

Propene

Concen: 1.398 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033215.D

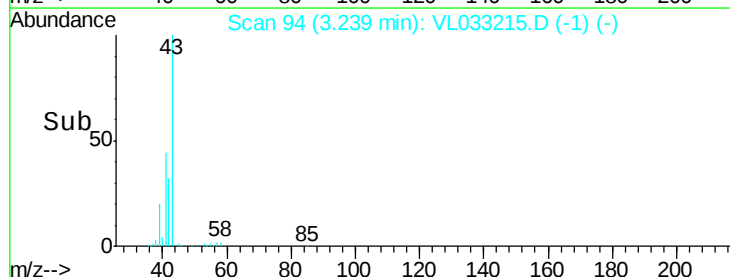
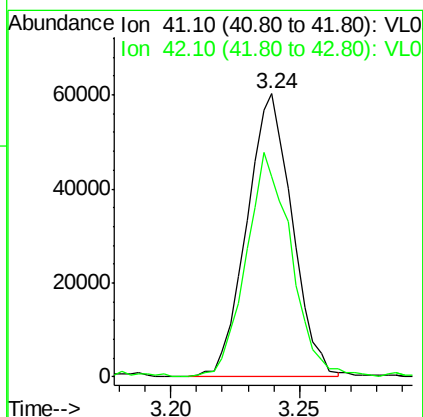
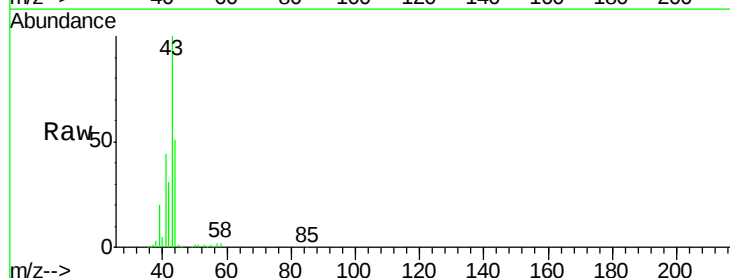
Acq: 15 Feb 2019 2:12

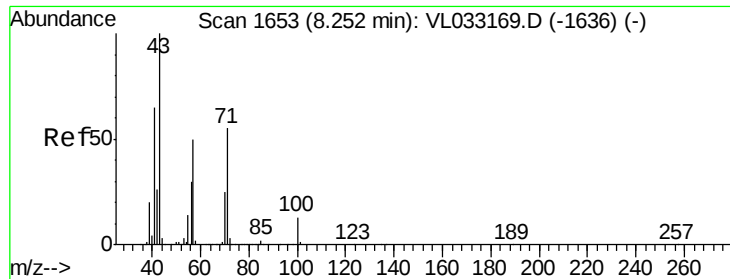
Tgt Ion: 41 Resp: 74173

Ion Ratio Lower Upper

41 100

42 79.8 55.0 82.6





#10

Heptane

Concen: 0.241 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033215.D

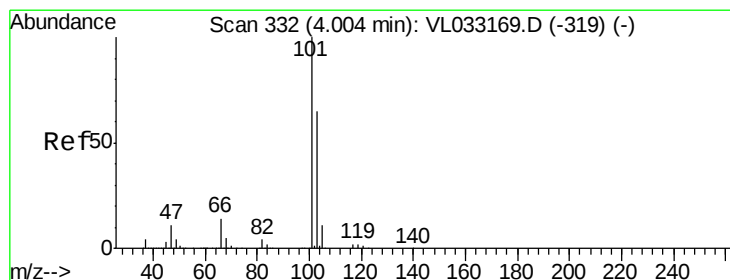
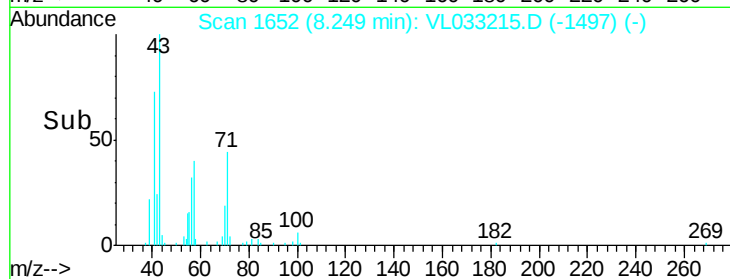
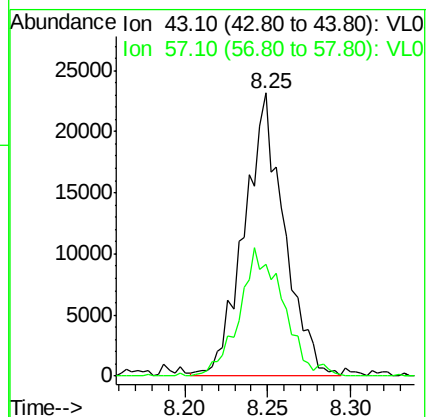
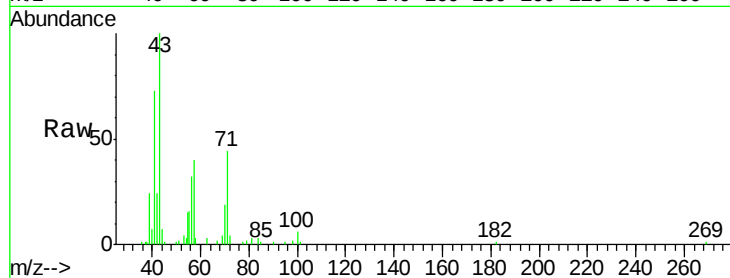
Acq: 15 Feb 2019 2:12

Tgt Ion: 43 Resp: 38765

Ion Ratio Lower Upper

43 100

57 50.2 39.5 59.3



#11

Trichlorofluoromethane

Concen: 0.342 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033215.D

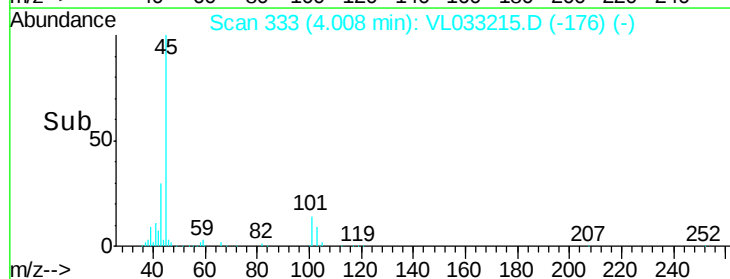
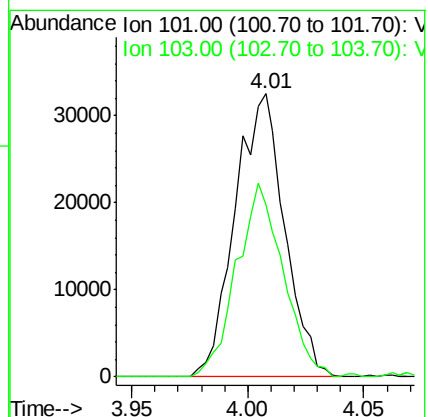
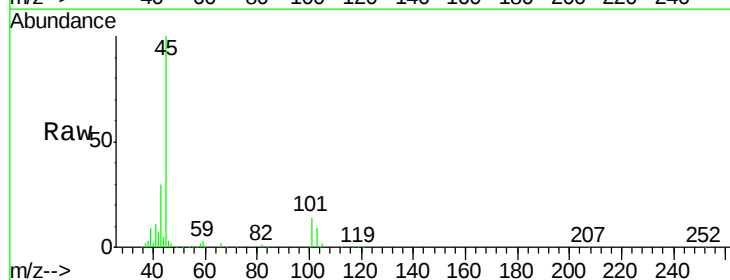
Acq: 15 Feb 2019 2:12

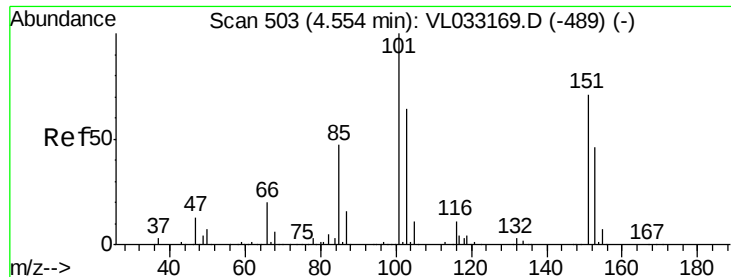
Tgt Ion: 101 Resp: 48292

Ion Ratio Lower Upper

101 100

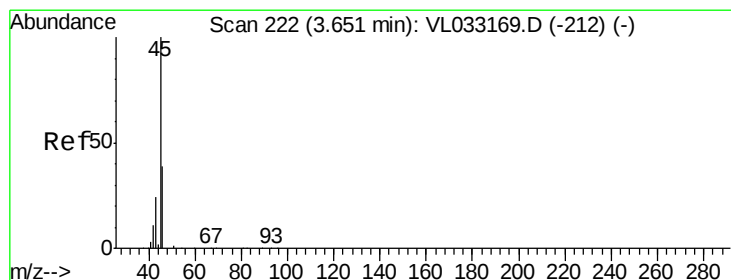
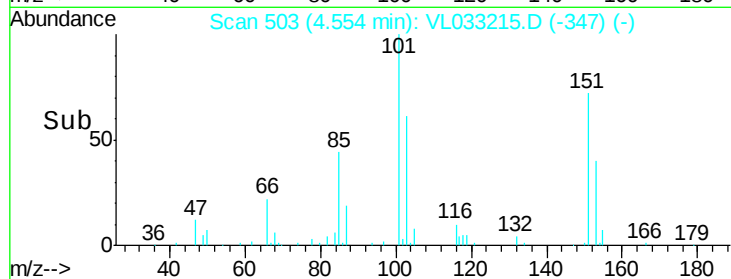
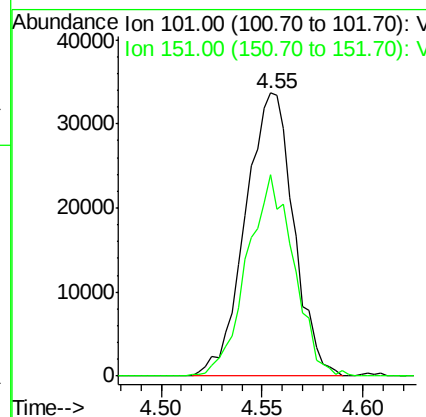
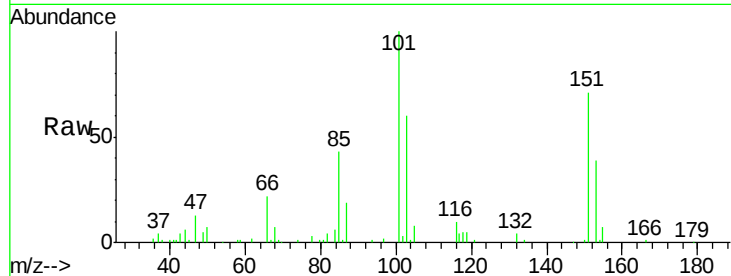
103 60.7 51.7 77.5





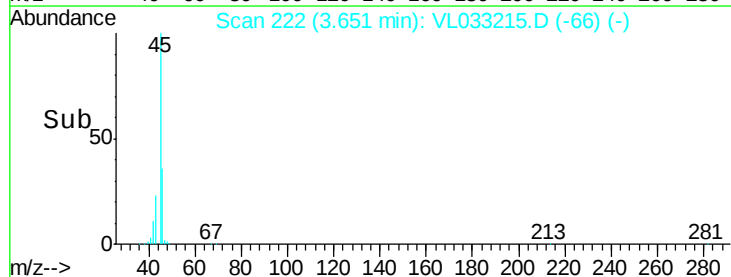
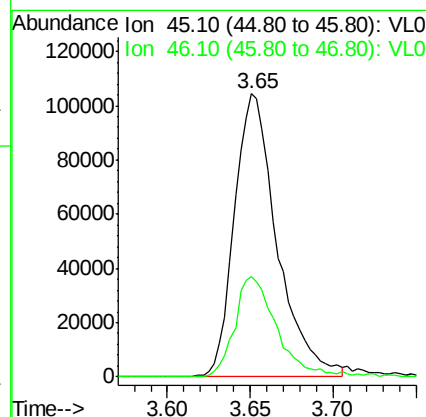
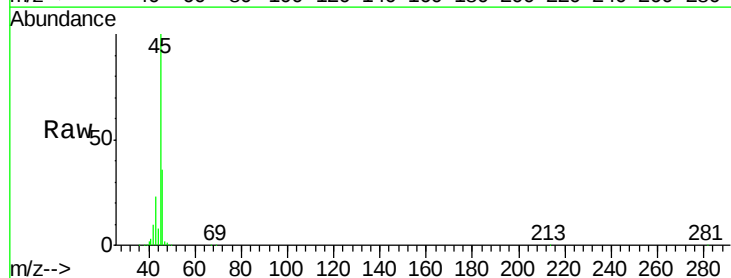
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.577 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033215.D
 Acq: 15 Feb 2019 2:12

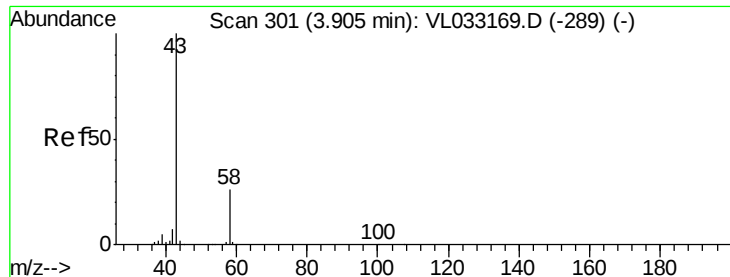
Tgt Ion: 101 Resp: 56415
 Ion Ratio Lower Upper
 101 100
 151 68.9 57.4 86.0



#13
 Ethanol
 Concen: 10.554 ppbv
 RT: 3.65 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VL033215.D
 Acq: 15 Feb 2019 2:12

Tgt Ion: 45 Resp: 186747
 Ion Ratio Lower Upper
 45 100
 46 35.3 15.0 60.2





#15

Acetone

Concen: 14.191 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033215.D

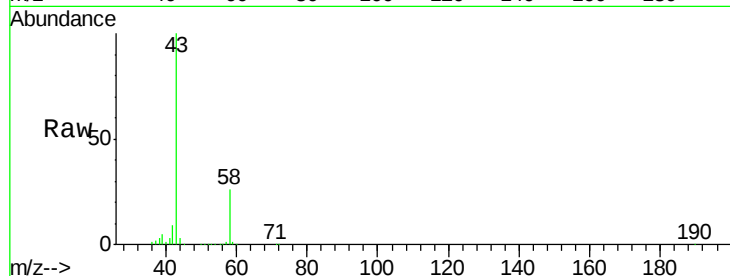
Acq: 15 Feb 2019 2:12

Tgt Ion: 43 Resp: 1458432

Ion Ratio Lower Upper

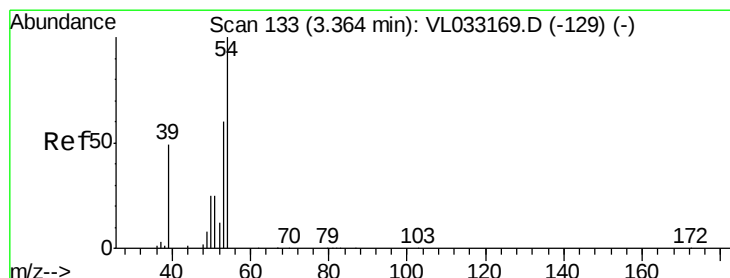
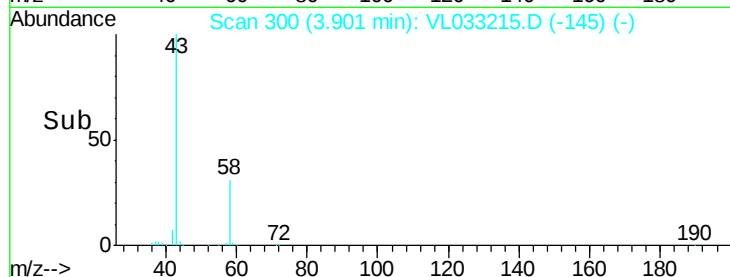
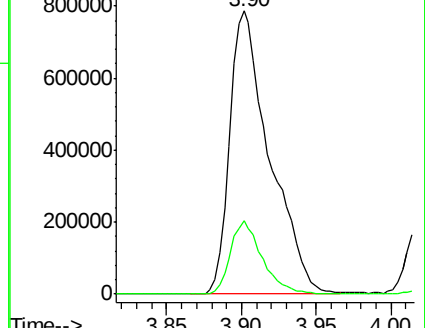
43 100

58 21.0 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.474 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.03 min

Lab File: VL033215.D

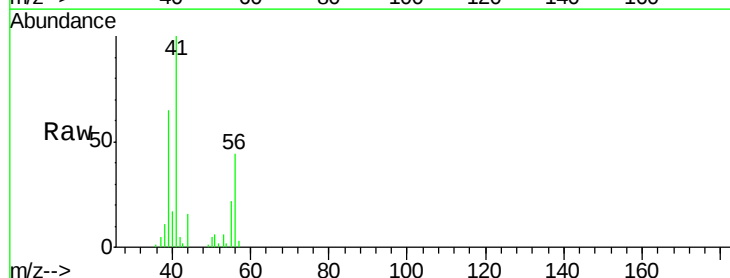
Acq: 15 Feb 2019 2:12

Tgt Ion: 39 Resp: 23127

Ion Ratio Lower Upper

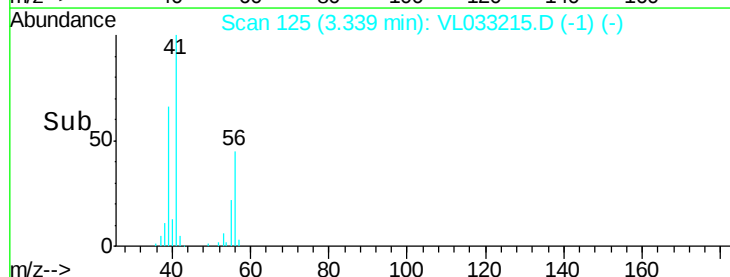
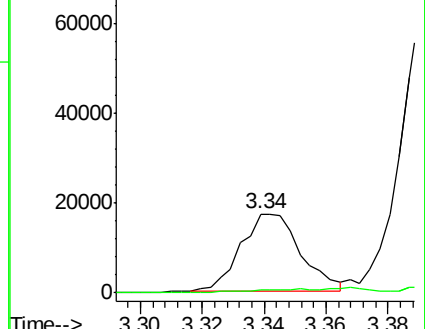
39 100

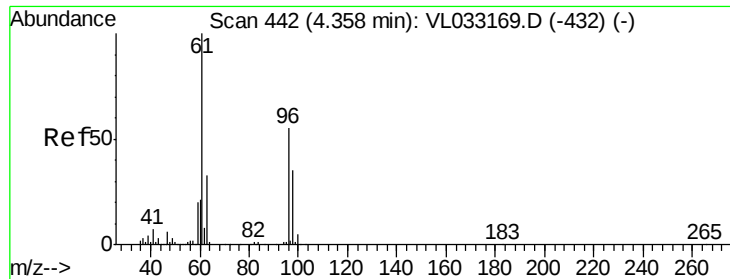
54 10.4 71.3 106.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.789 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033215.D

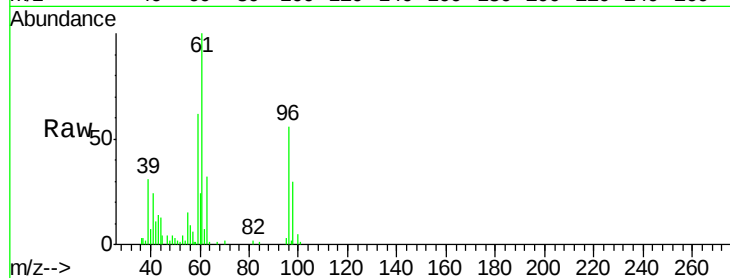
Acq: 15 Feb 2019 2:12

Tgt Ion: 59 Resp: 35051

Ion Ratio Lower Upper

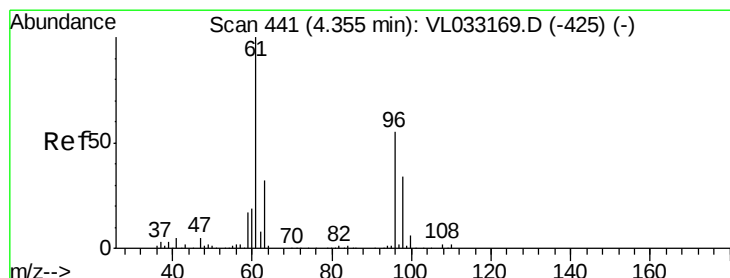
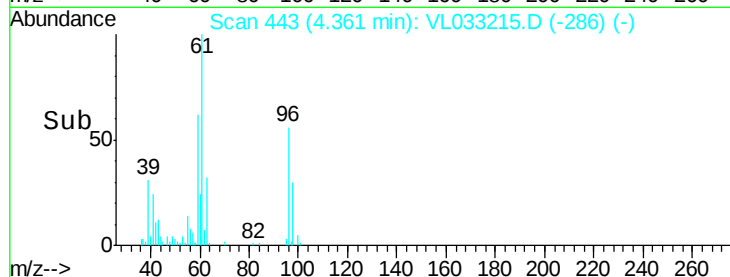
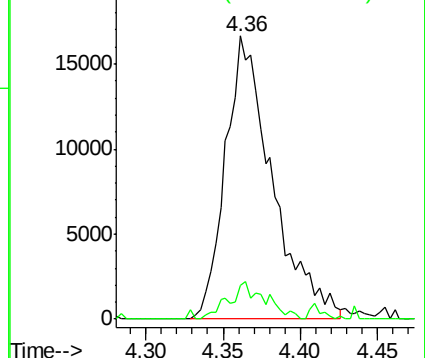
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.673 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

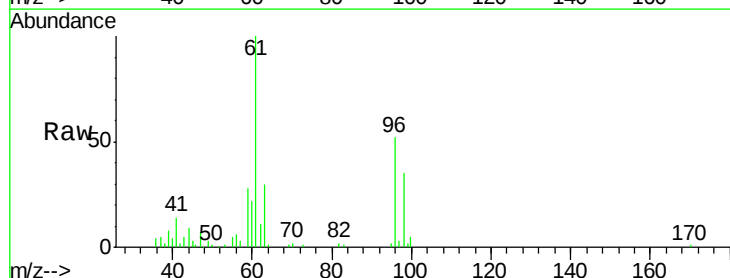
Tgt Ion: 96 Resp: 29496

Ion Ratio Lower Upper

96 100

61 190.2 145.0 217.6

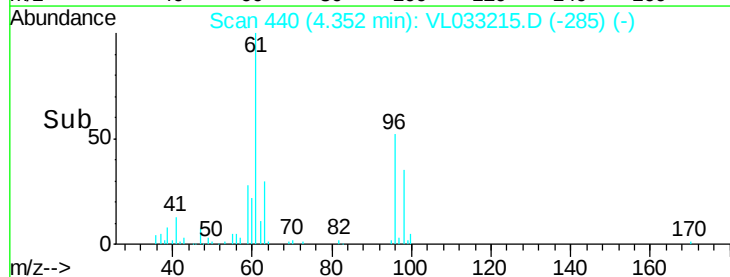
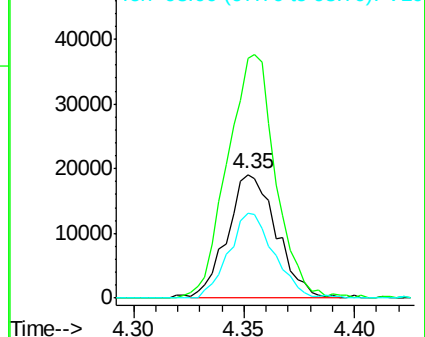
98 68.7 50.0 75.0

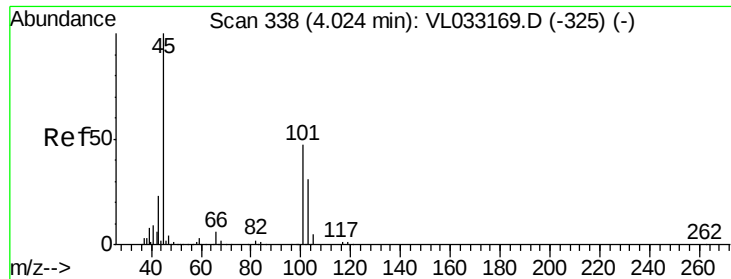


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 26.704 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033215.D

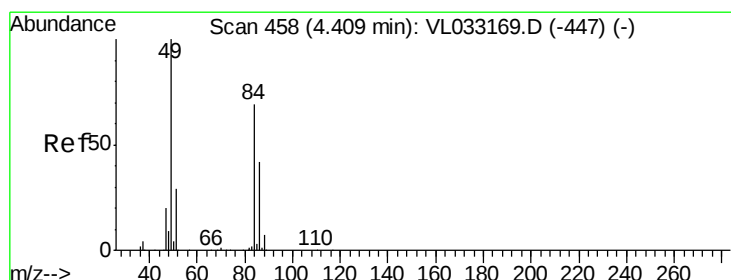
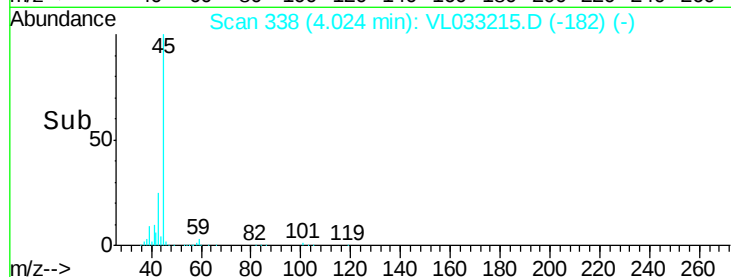
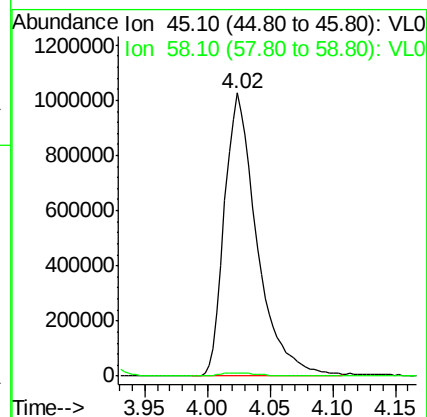
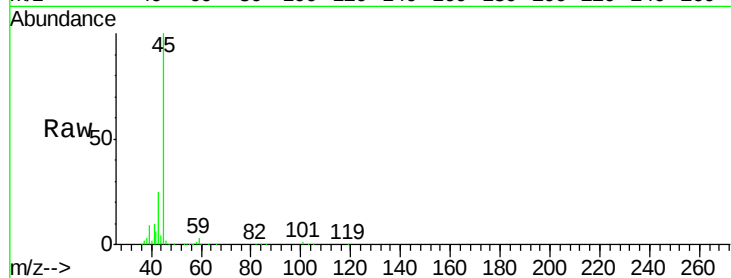
Acq: 15 Feb 2019 2:12

Tgt Ion: 45 Resp: 1861350

Ion Ratio Lower Upper

45 100

58 1.7 1.5 2.3



#20

Methylene Chloride

Concen: 1.840 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion: 84 Resp: 75204

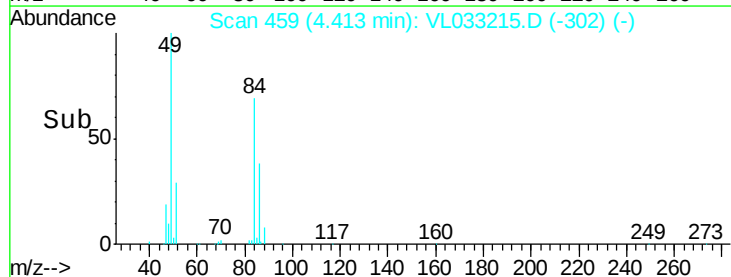
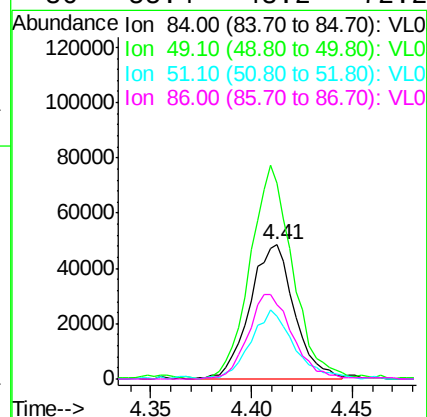
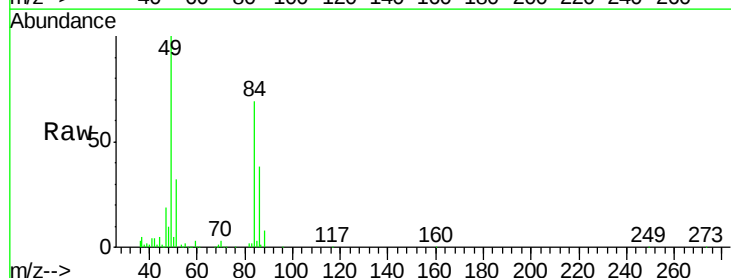
Ion Ratio Lower Upper

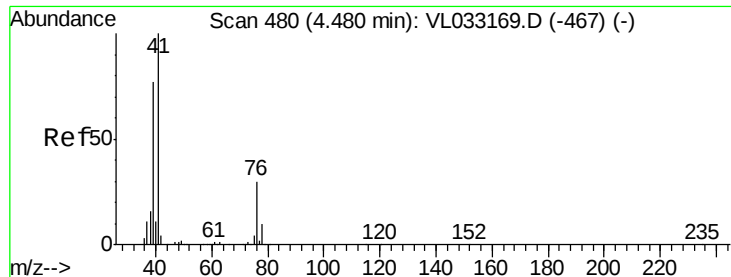
84 100

49 145.3 115.8 173.8

51 45.6 33.0 49.6

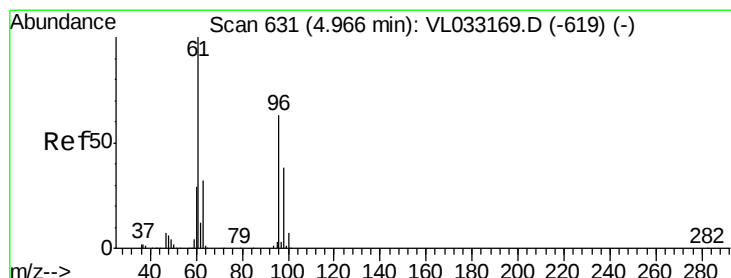
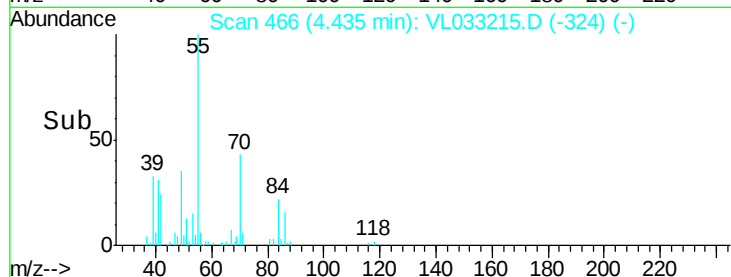
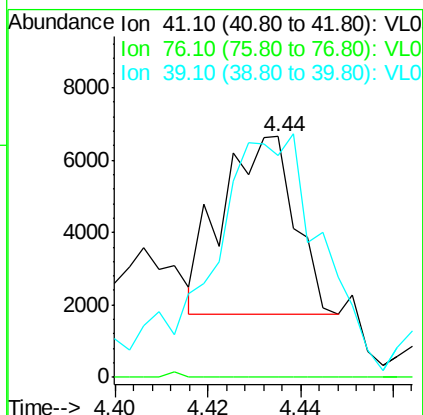
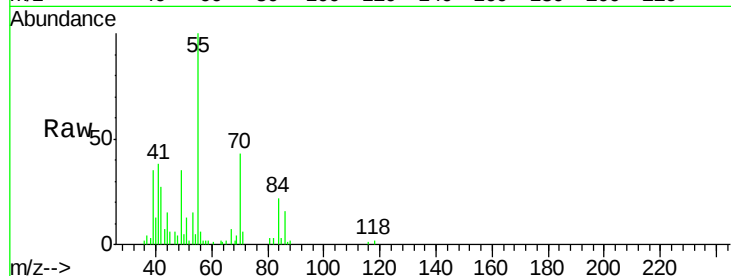
86 55.4 48.2 72.2





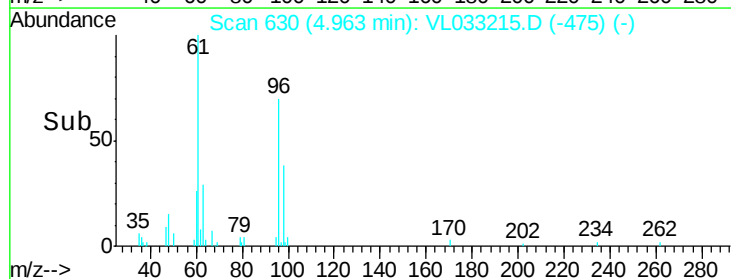
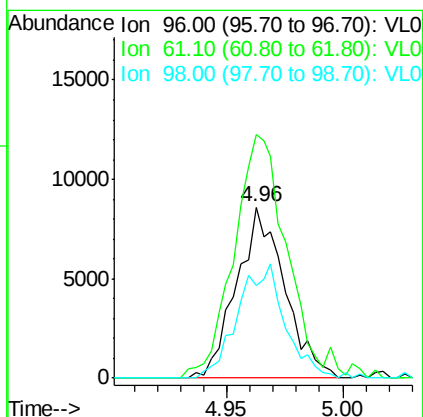
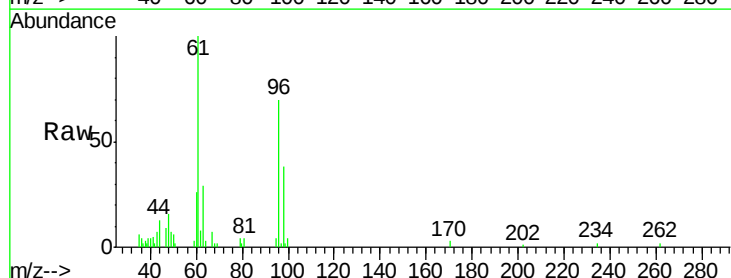
#21
 Allyl Chloride
 Concen: 0.079 ppbv
 RT: 4.44 min Scan# 466
 Delta R.T. -0.04 min
 Lab File: VL033215.D
 Acq: 15 Feb 2019 2:12

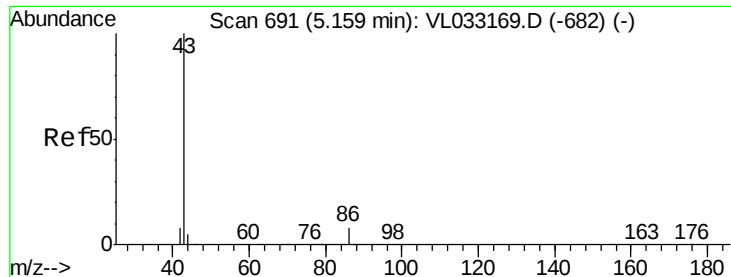
Tgt Ion: 41 Resp: 5346
 Ion Ratio Lower Upper
 41 100
 76 25.9 24.5 36.7
 39 230.6 64.1 96.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.291 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033215.D
 Acq: 15 Feb 2019 2:12

Tgt Ion: 96 Resp: 12391
 Ion Ratio Lower Upper
 96 100
 61 149.2 126.4 189.6
 98 54.4 48.4 72.6





#23

Vinyl Acetate

Concen: 0.639 ppbv

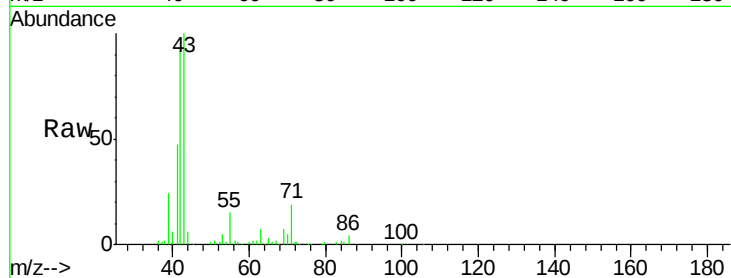
RT: 5.14 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	43	Resp:	113812
Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.8	8.8#
42	91.7	7.4	11.0#
44	3.8	3.7	5.5

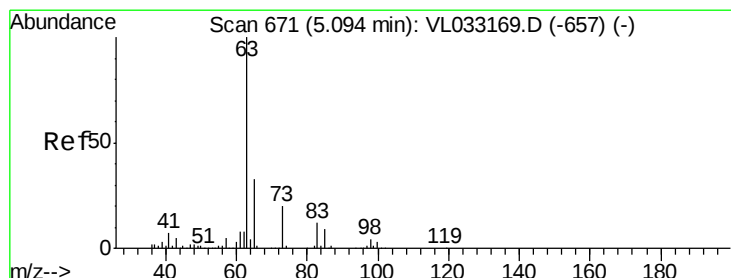
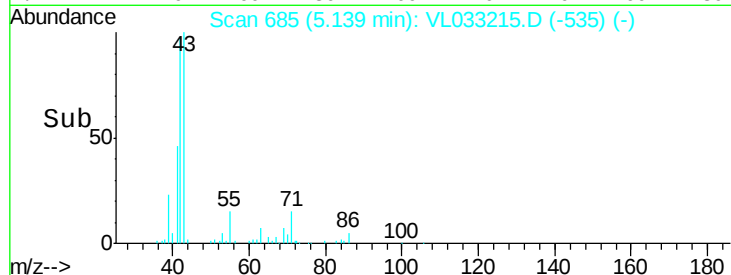
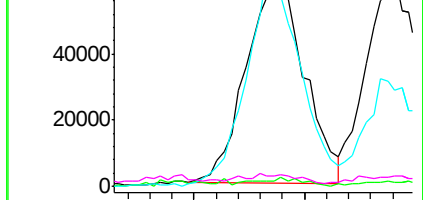


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.231 ppbv

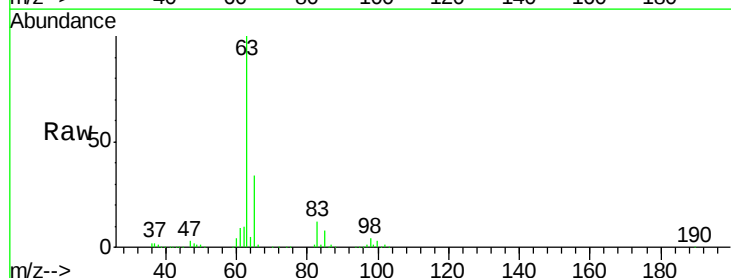
RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

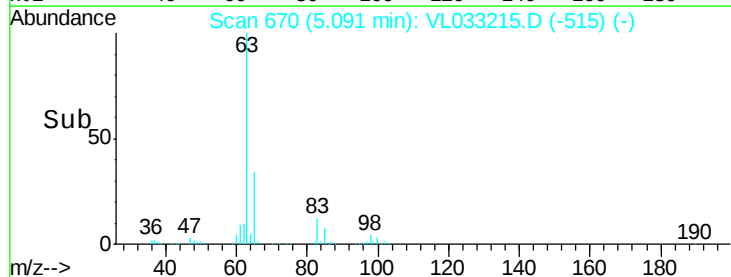
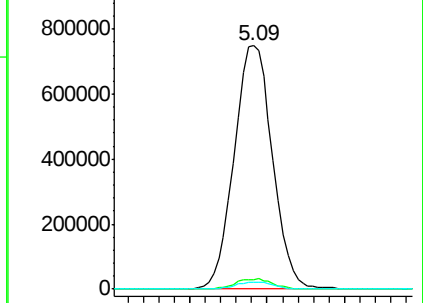
Tgt Ion:	63	Resp:	1289021
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.5
100	3.0	1.4	4.2

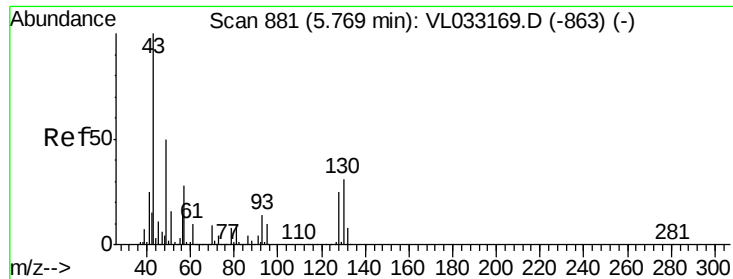


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

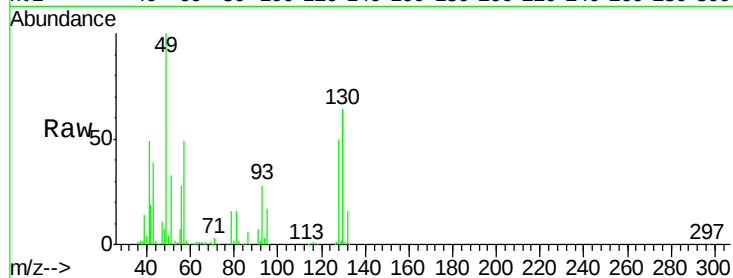
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion:	43	Resp:	112180
Ion	Ratio	Lower	Upper
43	100		
45	2.5	7.9	11.9#
61	0.8	7.5	11.3#
70	1.9	5.8	8.8#



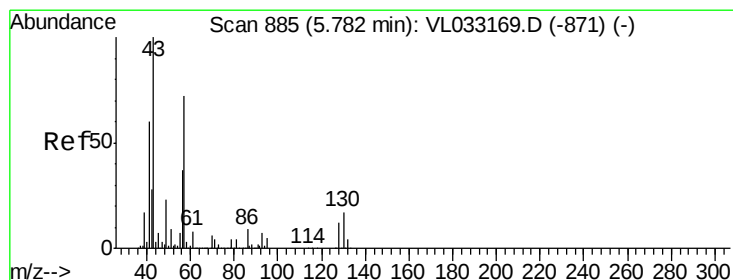
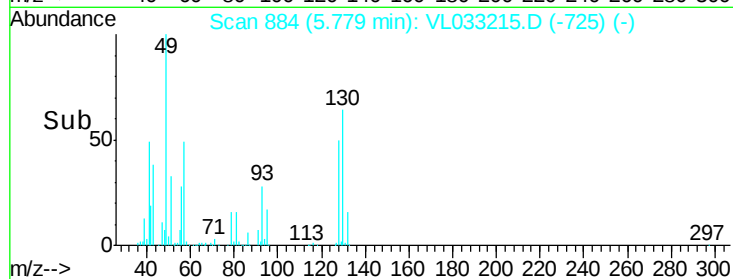
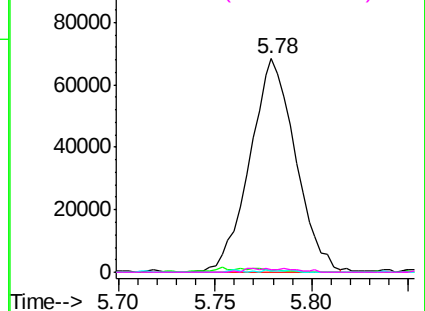
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

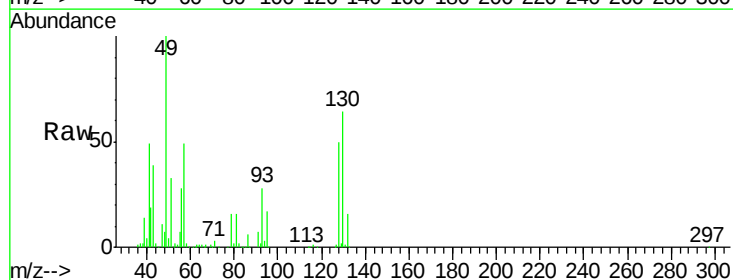
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.380 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion:	57	Resp:	149699
Ion	Ratio	Lower	Upper
57	100		
41	95.8	69.4	104.2
43	75.3	176.7	265.1#
56	55.3	41.4	62.0



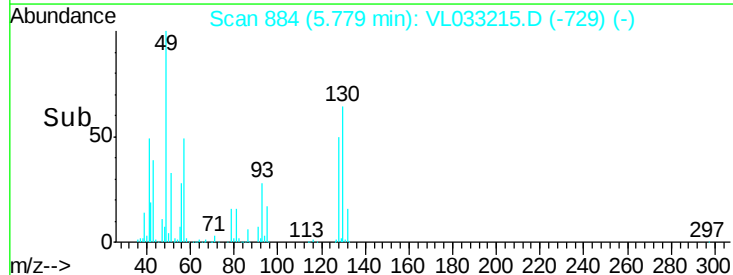
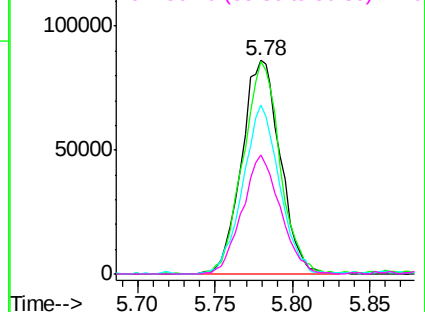
Abundance

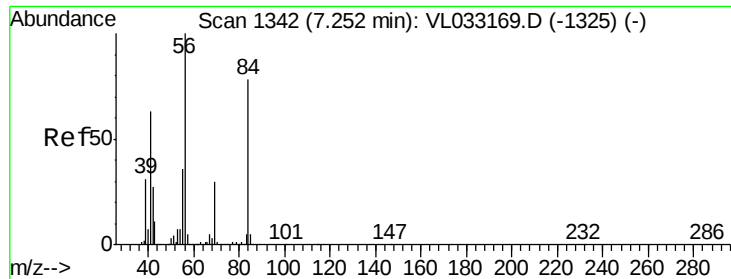
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

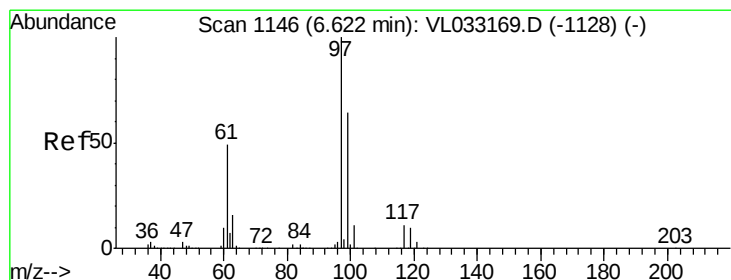
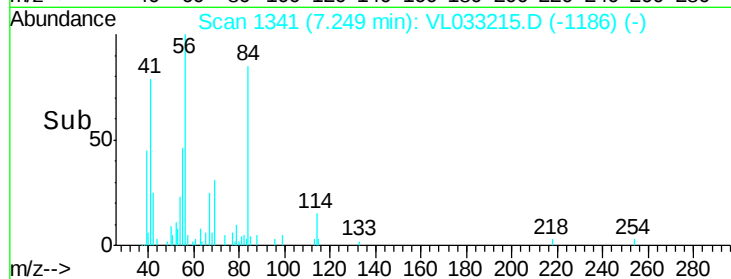
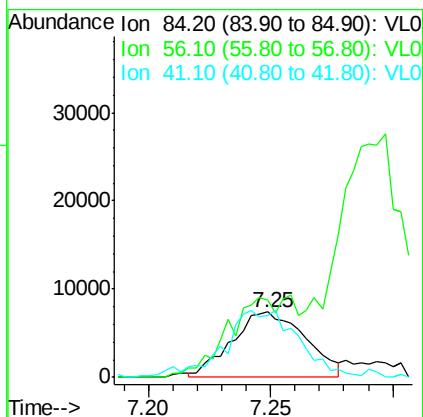
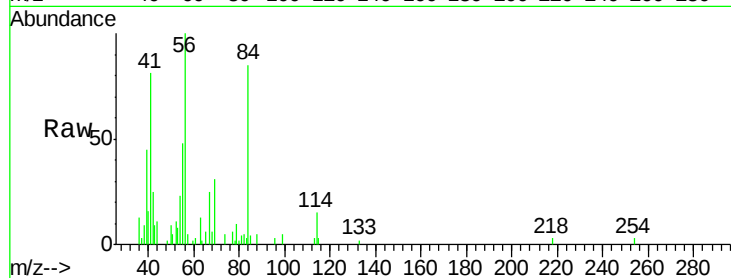
Ion 56.10 (55.80 to 56.80): VL0





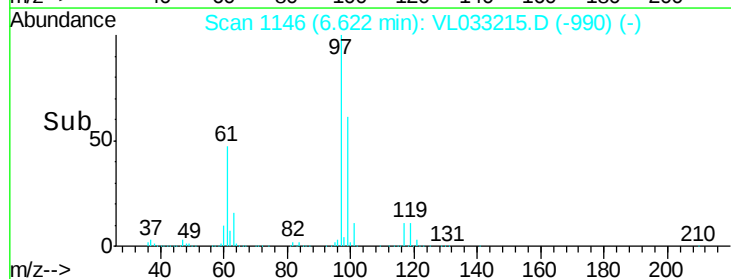
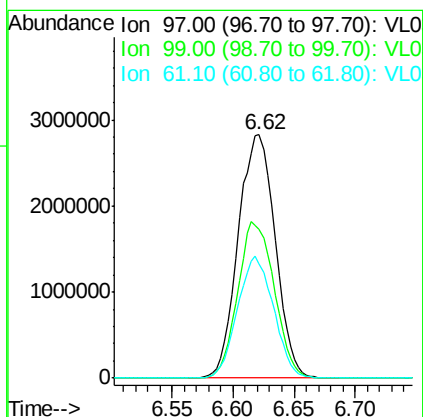
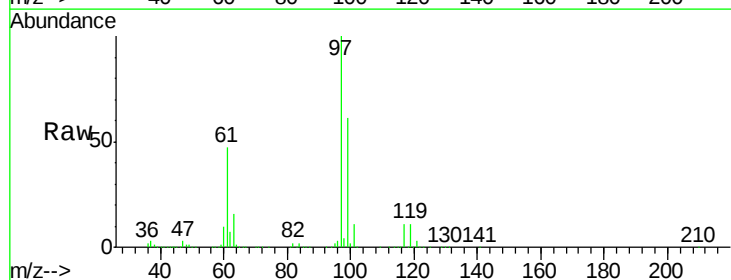
#30
Cyclohexane
Concen: 0.154 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

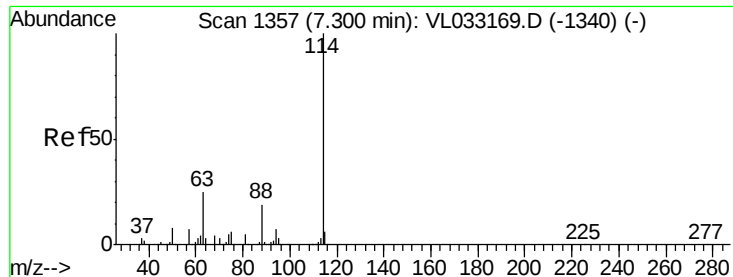
Tgt Ion: 84 Resp: 15500
Ion Ratio Lower Upper
84 100
56 0.0 109.5 164.3#
41 106.6 66.6 100.0#



#32
1,1,1-Trichloroethane
Concen: 32.394 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion: 97 Resp: 5929665
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.2
61 48.8 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

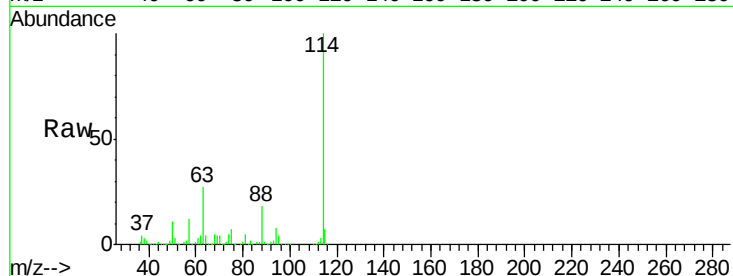
Tgt Ion: 114 Resp: 2070871

Ion Ratio Lower Upper

114 100

63 27.2 20.8 31.2

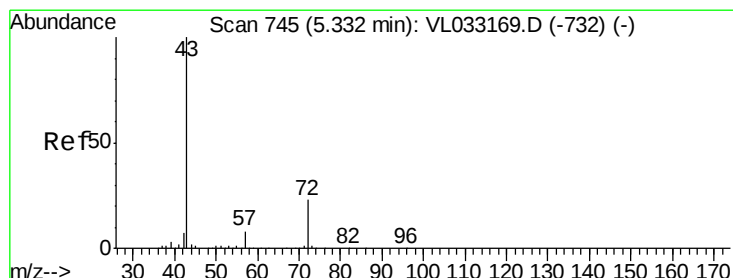
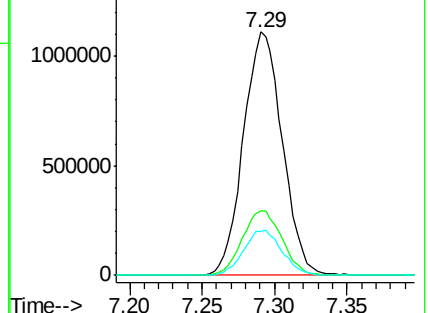
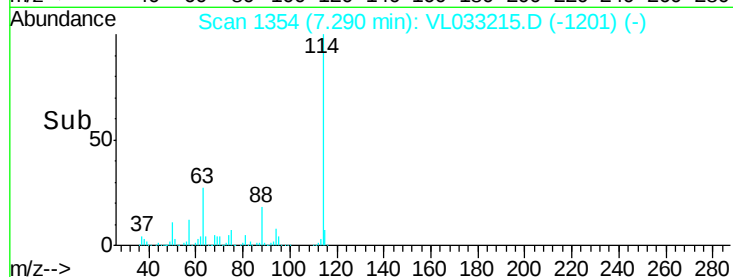
88 18.4 14.6 22.0



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: 0.531 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.00 min

Lab File: VL033215.D

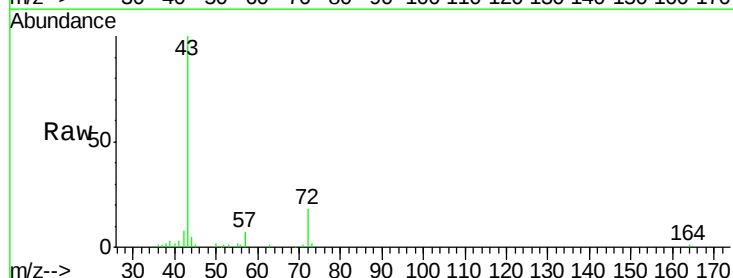
Acq: 15 Feb 2019 2:12

Tgt Ion: 43 Resp: 69694

Ion Ratio Lower Upper

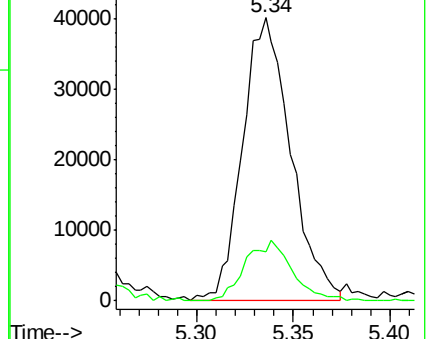
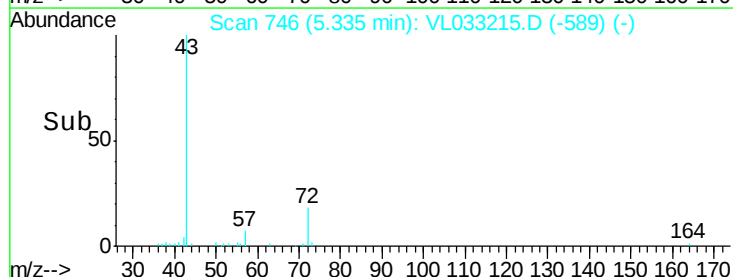
43 100

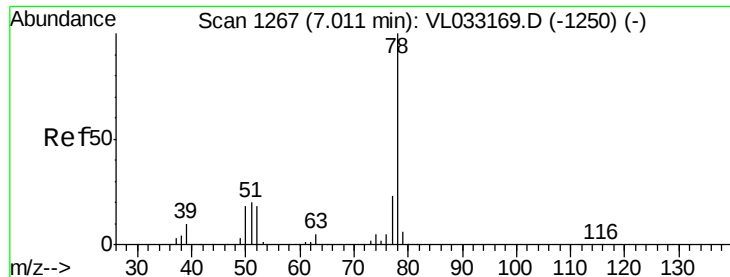
72 21.0 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.350 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

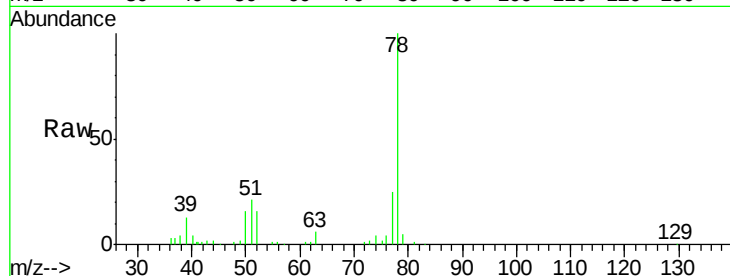
Tgt Ion: 78 Resp: 73447

Ion Ratio Lower Upper

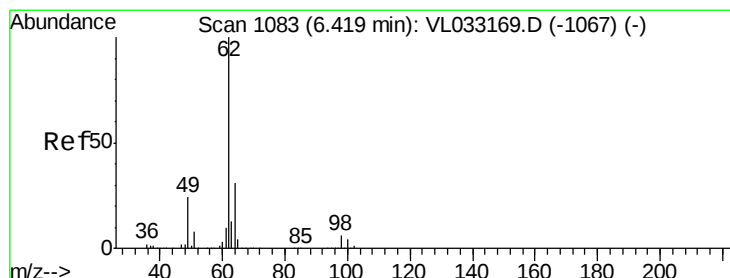
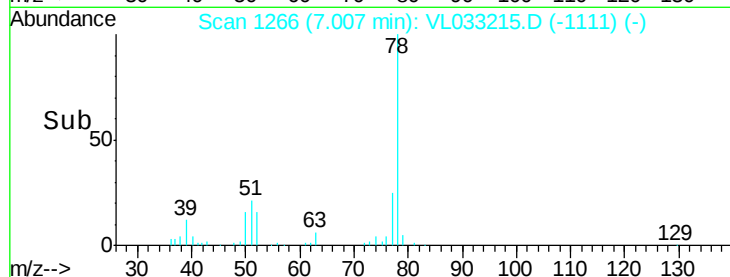
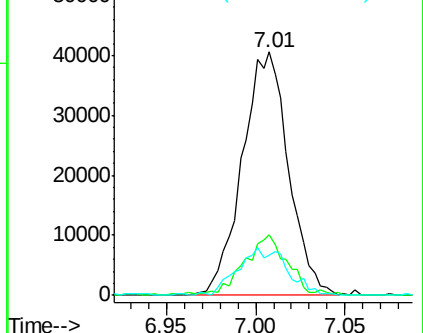
78 100

77 23.8 18.0 27.0

50 16.5 14.2 21.2



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: 0.062 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VL033215.D

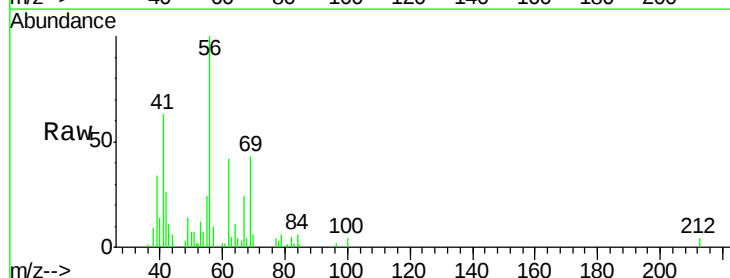
Acq: 15 Feb 2019 2:12

Tgt Ion: 62 Resp: 7195

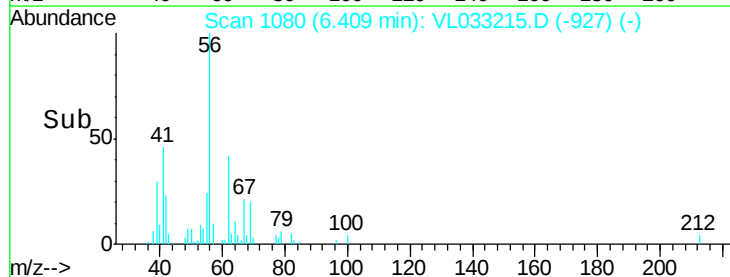
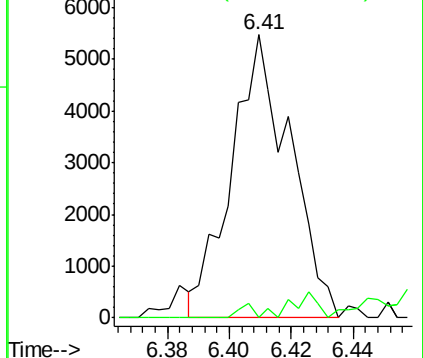
Ion Ratio Lower Upper

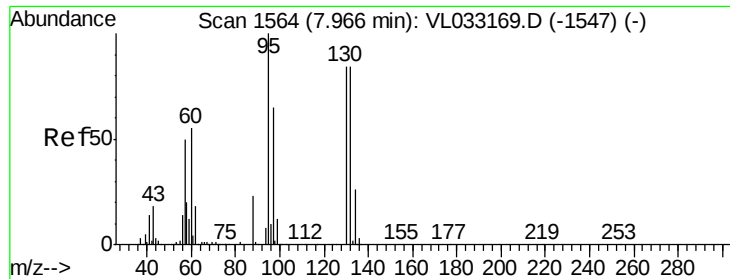
62 100

98 0.0 4.7 7.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.035 ppbv

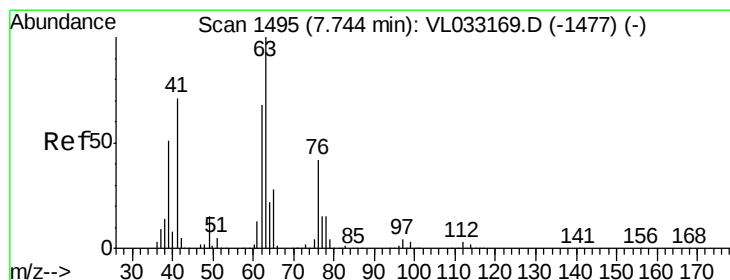
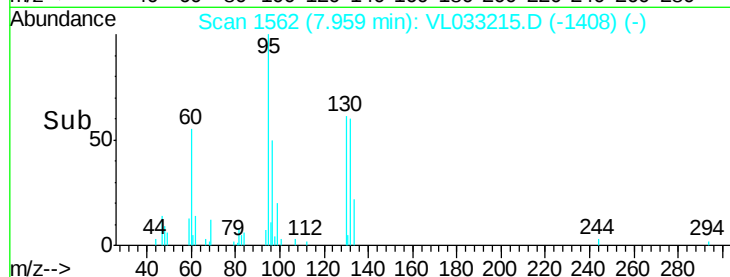
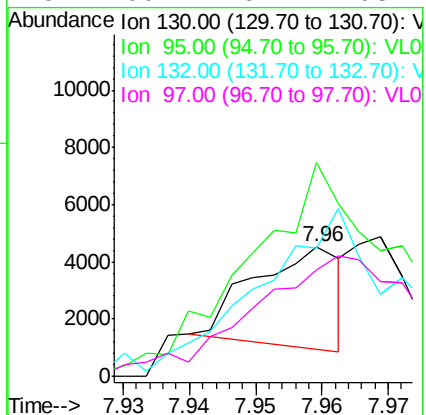
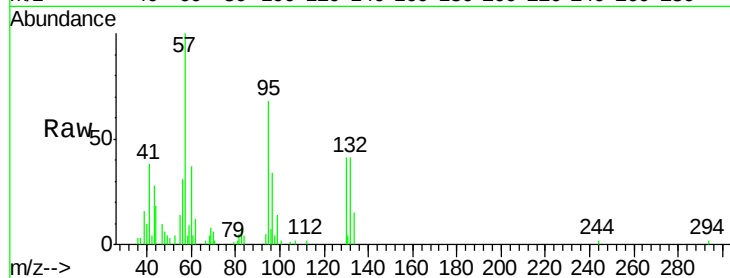
RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	130	Resp:	3134
Ion	Ratio	Lower	Upper
130	100		
95	195.4	95.5	143.3#
132	106.9	80.0	120.0
97	109.4	62.2	93.2#



#39

1,2-Dichloropropane

Concen: 6.755 ppbv

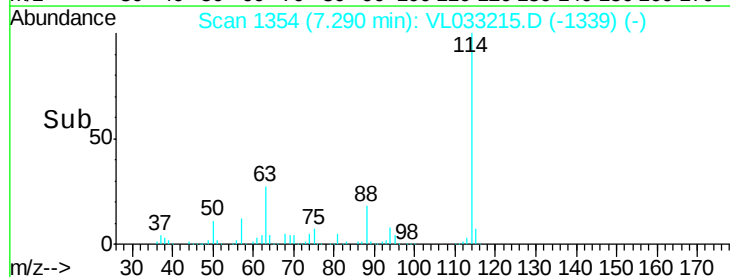
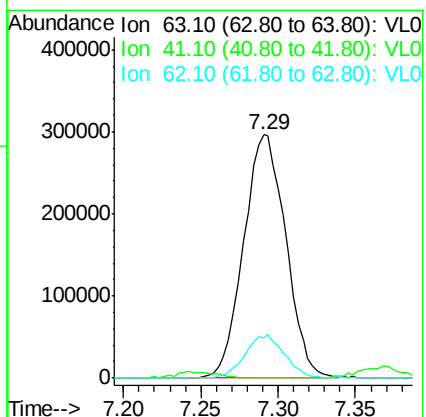
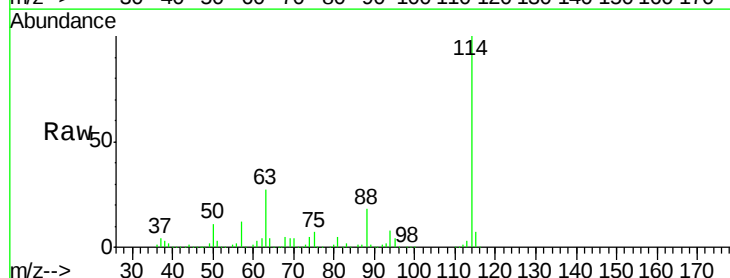
RT: 7.29 min Scan# 1354

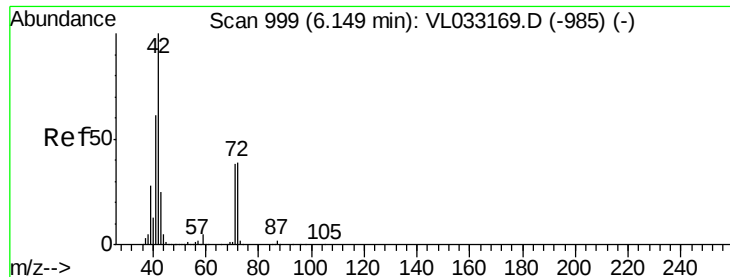
Delta R.T. -0.45 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	63	Resp:	559861
Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	16.7	54.2	81.4#





#41

Tetrahydrofuran

Concen: 0.036 ppbv

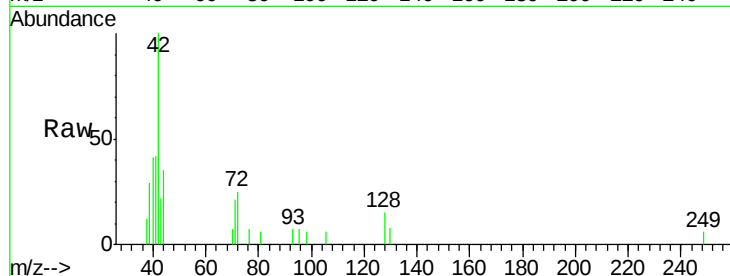
RT: 6.17 min Scan# 1004

Delta R.T. 0.02 min

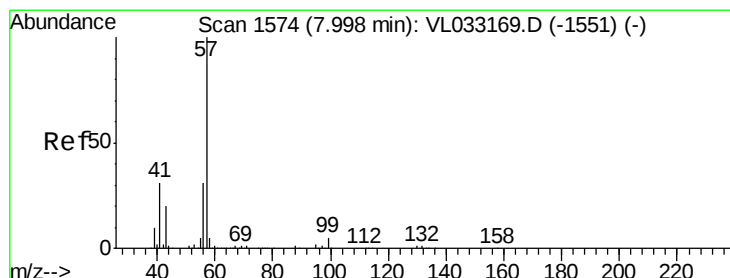
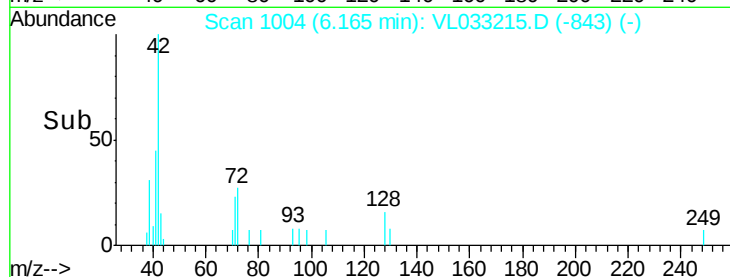
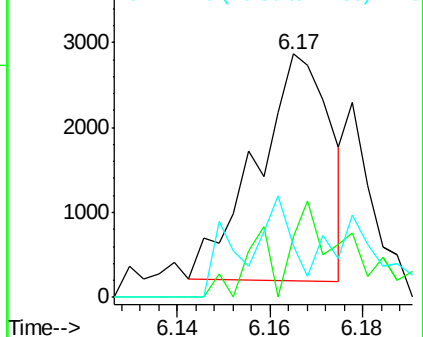
Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	42	Resp:	2954
Ion	Ratio	Lower	Upper
42	100		
72	44.1	31.6	47.4
71	55.0	30.3	45.5#



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



#44

2,2,4-Trimethylpentane

Concen: 0.841 ppbv

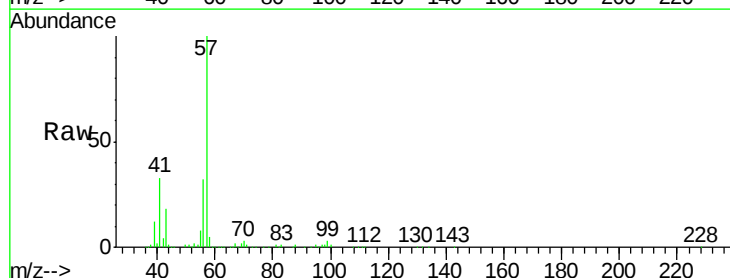
RT: 7.99 min Scan# 1572

Delta R.T. -0.01 min

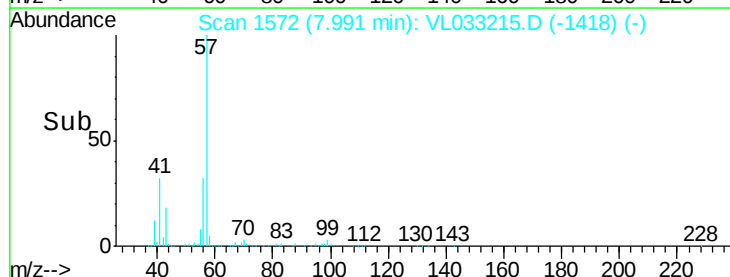
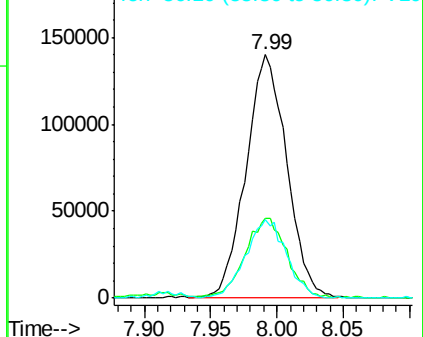
Lab File: VL033215.D

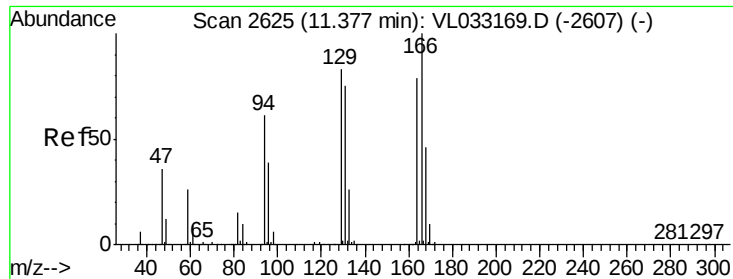
Acq: 15 Feb 2019 2:12

Tgt Ion:	57	Resp:	298968
Ion	Ratio	Lower	Upper
57	100		
41	34.0	25.1	37.7
56	32.7	24.5	36.7



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





#52

Tetrachloroethene

Concen: 0.065 ppbv

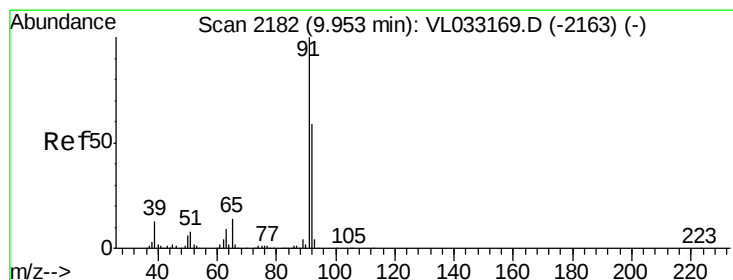
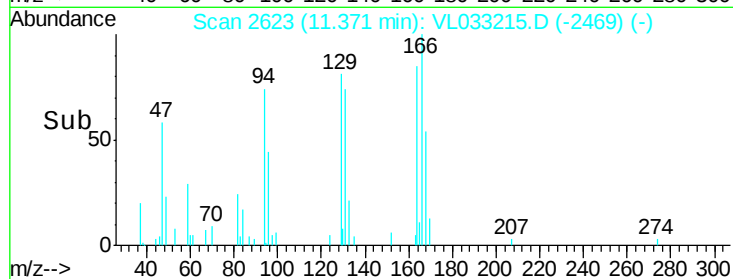
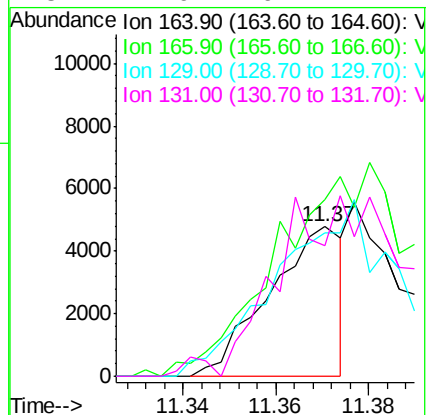
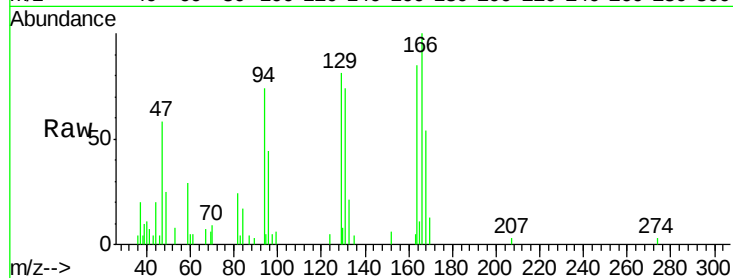
RT: 11.37 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	164	Resp:	5212
Ion	Ratio	Lower	Upper
164	100		
166	109.4	100.9	151.3
129	85.2	83.9	125.9
131	74.9	76.2	114.2#



#53

Toluene

Concen: 1.103 ppbv

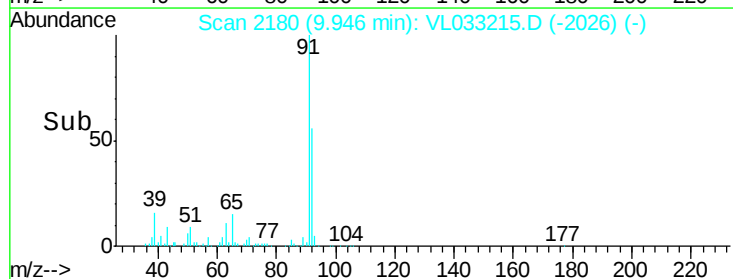
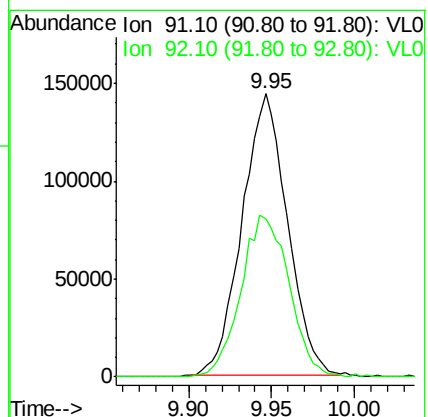
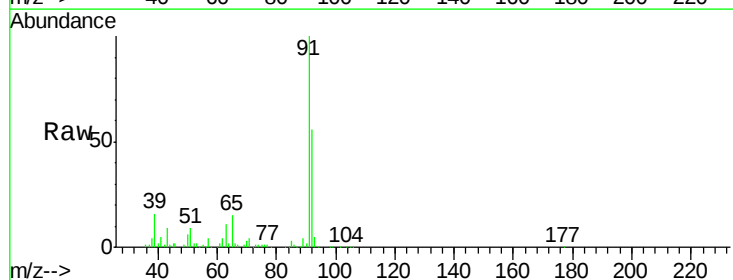
RT: 9.95 min Scan# 2180

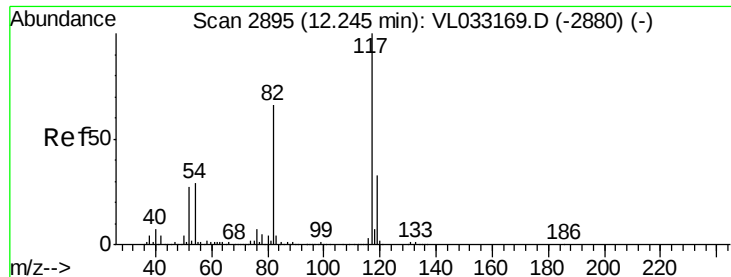
Delta R.T. -0.01 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

Tgt Ion:	91	Resp:	274070
Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.0	72.0

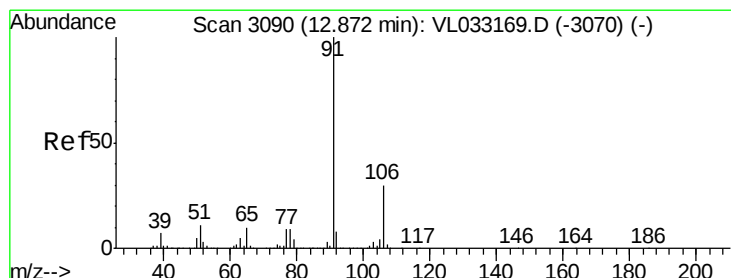
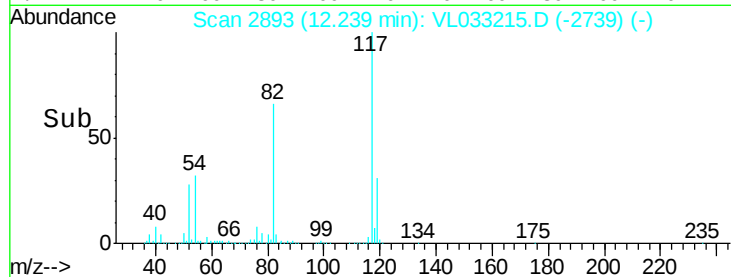
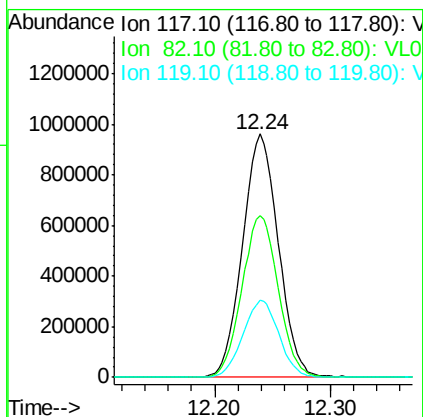
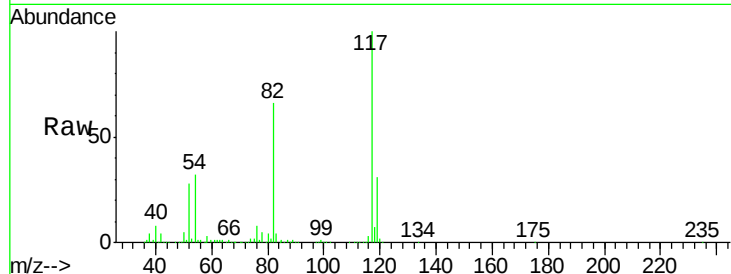




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion: 117 Resp: 2066467

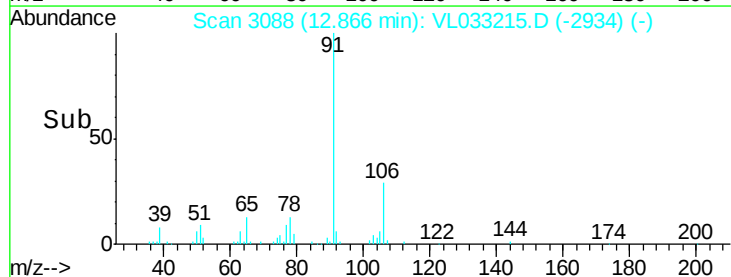
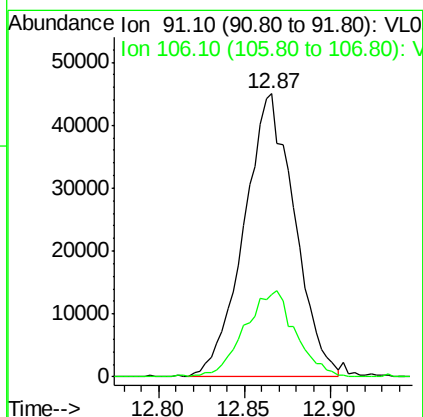
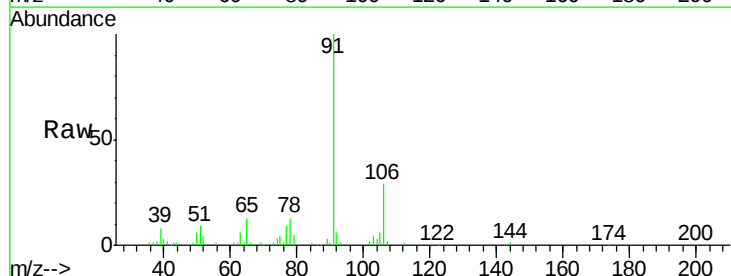
Ion	Ratio	Lower	Upper
117	100		
82	67.4	49.5	74.3
119	32.0	24.4	36.6

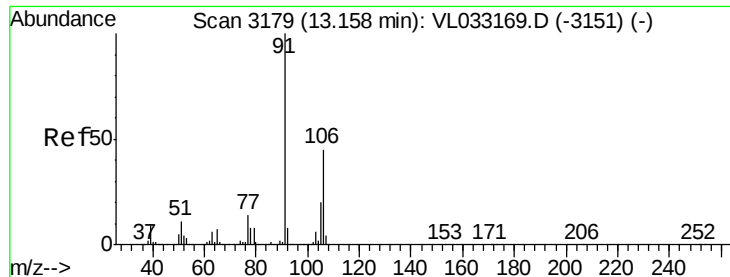


#58
Ethyl Benzene
Concen: 0.275 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion: 91 Resp: 91951

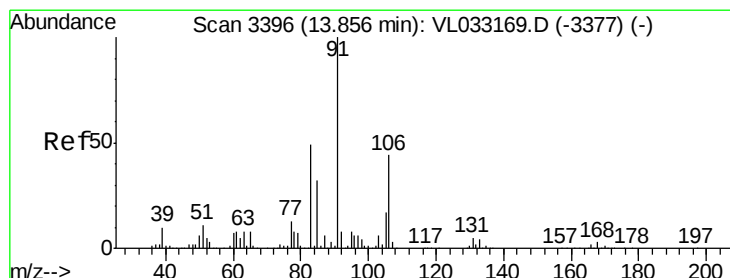
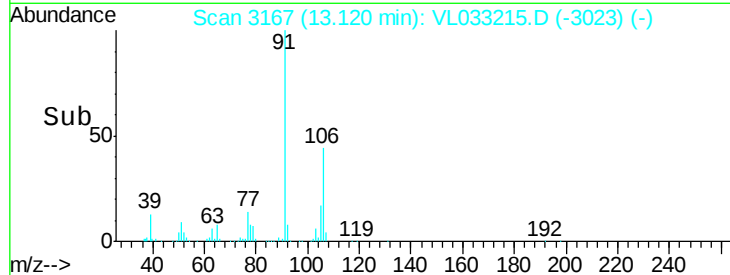
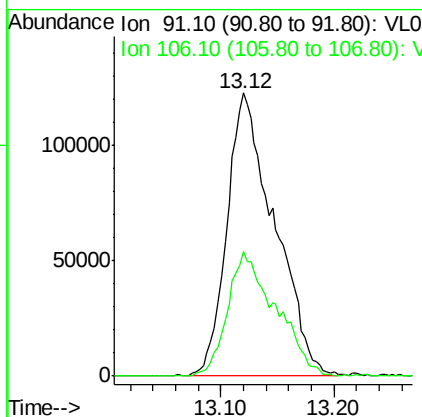
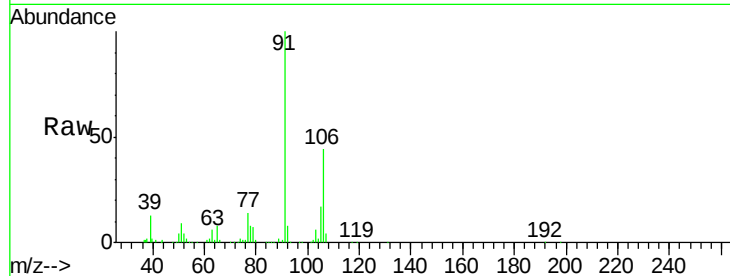
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.8	35.8





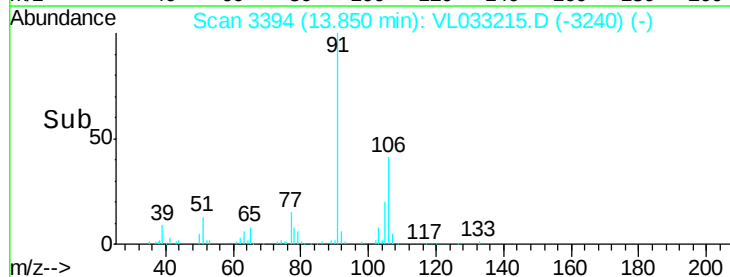
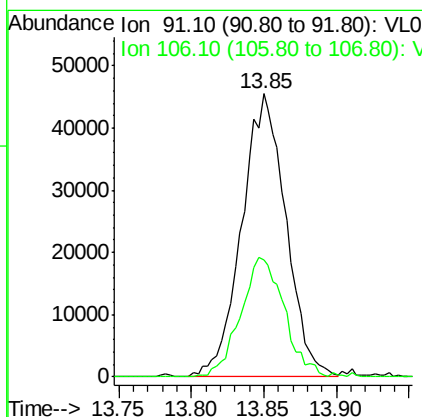
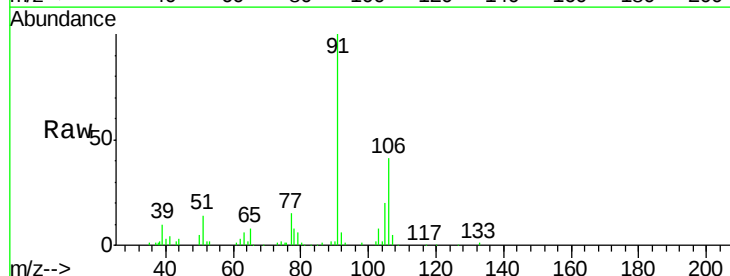
#59
m/p-Xylene
Concen: 1.281 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

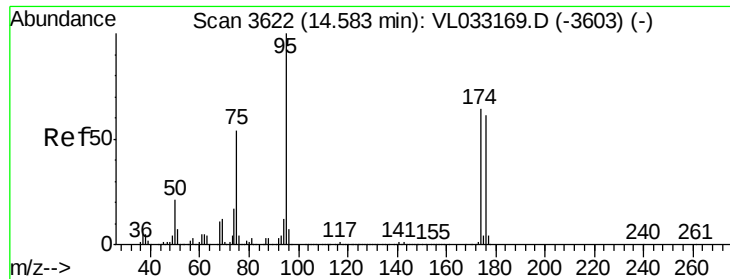
Tgt Ion: 91 Resp: 357411
Ion Ratio Lower Upper
91 100
106 44.4 0.0 0.0#



#60
o-Xylene
Concen: 0.356 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033215.D
Acq: 15 Feb 2019 2:12

Tgt Ion: 91 Resp: 96520
Ion Ratio Lower Upper
91 100
106 41.9 21.8 65.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.331 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033215.D

Acq: 15 Feb 2019 2:12

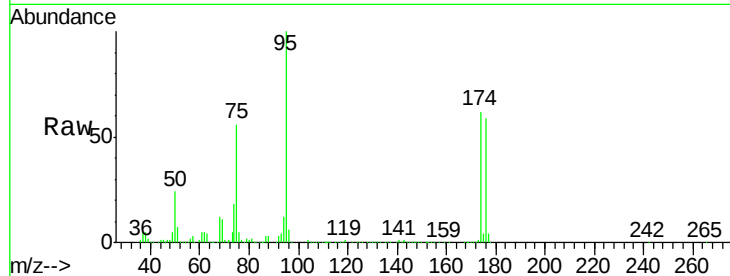
Tgt Ion: 95 Resp: 1644158

Ion Ratio Lower Upper

95 100

174 63.8 51.2 76.8

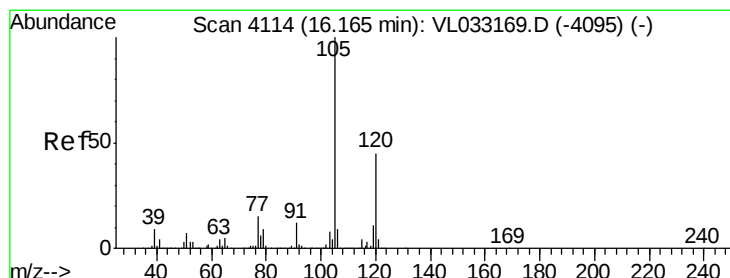
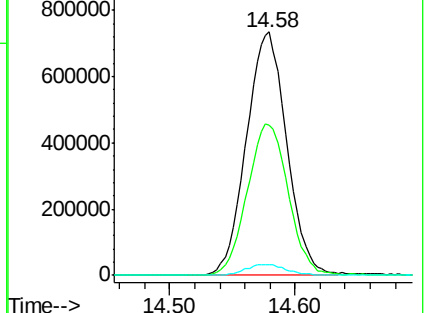
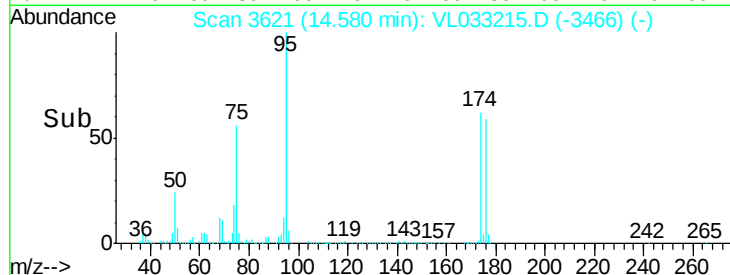
175 4.5 3.8 5.6



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



#73

1,3,5-Trimethylbenzene

Concen: 0.043 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033215.D

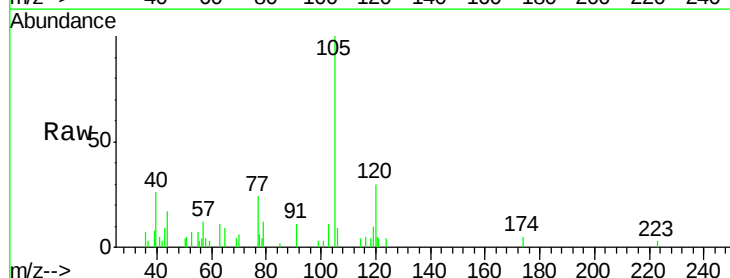
Acq: 15 Feb 2019 2:12

Tgt Ion: 105 Resp: 12827

Ion Ratio Lower Upper

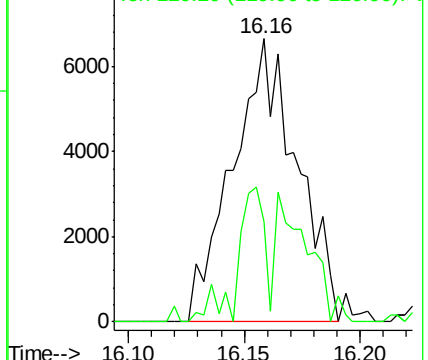
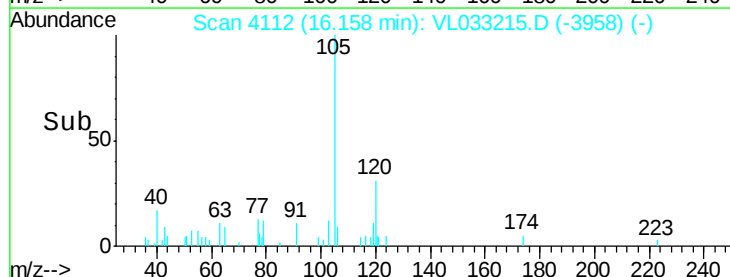
105 100

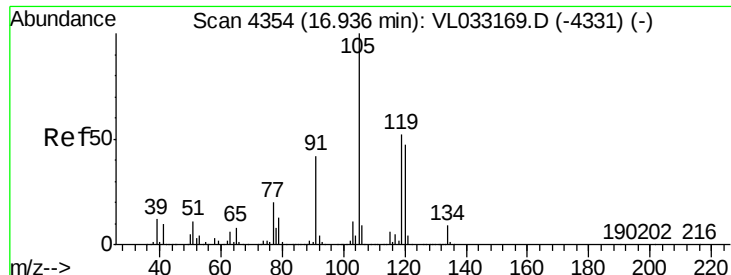
120 35.4 36.2 54.4#



Abundance Ion 105.10 (104.80 to 105.80): V

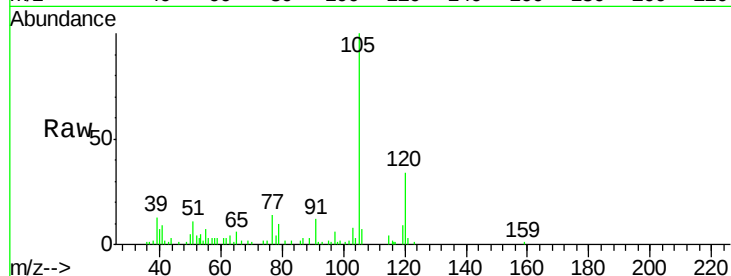
Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.156 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL033215.D
 Acq: 15 Feb 2019 2:12

Tgt Ion:	105	Resp:	48386
Ion	Ratio	Lower	Upper
105	100		
120	34.4	37.9	56.9#
91	13.1	34.0	51.0#
77	14.4	15.7	23.5#



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

