

Data File : VL033244.D
Acq On : 6 Mar 2019 4:33
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 05:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019
QLast Update : Wed Mar 06 02:40:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1031350	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2278620	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2218022	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 1736732 10.17 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.22	85	19858	0.109 ppbv	99
3) Chlorodifluoromethane	3.02	51	16763	0.138 ppbv	100
4) Chloromethane	3.17	50	9148	0.144 ppbv #	75
5) Vinyl Chloride	3.29	62	7772	0.115 ppbv	99
6) Bromomethane	3.51	94	2220	0.060 ppbv #	77
7) Chloroethane	3.60	64	801	0.036 ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	19858	0.131 ppbv	94
9) Propene	3.04	41	9723	0.167 ppbv	94
10) Heptane	8.25	43	12971	0.074 ppbv	99
11) Trichlorofluoromethane	4.01	101	13698	0.087 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8376	0.077 ppbv #	55
13) Ethanol	3.67	45	2790	0.141 ppbv #	37
14) Bromoethene	3.79	108	6112	0.131 ppbv #	90
15) Acetone	3.92	43	12104	0.105 ppbv #	50
16) 1,3-Butadiene	3.37	39	7352	0.135 ppbv	86
20) Methylene Chloride	4.41	84	5799	0.128 ppbv #	65
21) Allyl Chloride	4.48	41	5289	0.071 ppbv #	39
22) trans-1,2-Dichloroethene	4.97	96	3827	0.079 ppbv	89
23) Vinyl Acetate	5.16	43	20213	0.100 ppbv #	86
24) 1,1-Dichloroethane	5.10	63	6340	0.044 ppbv	97
25) Ethyl Acetate	5.78	43	15190	0.058 ppbv #	79
27) Carbon Disulfide	4.63	76	10275	0.093 ppbv #	19
28) Methyl tert-Butyl Ether	5.14	73	9825	0.059 ppbv #	58
29) Chloroform	5.84	83	11006	0.059 ppbv	93
31) cis-1,2-Dichloroethene	5.65	61	6874	0.056 ppbv #	70
32) 1,1,1-Trichloroethane	6.62	97	13722	0.066 ppbv #	43
35) Carbon Tetrachloride	7.13	117	17972	0.102 ppbv #	91
36) Benzene	7.00	78	22377	0.095 ppbv #	93
37) 1,2-Dichloroethane	6.41	62	14754	0.111 ppbv #	88
38) Trichloroethene	7.96	130	7378	0.074 ppbv #	89
39) 1,2-Dichloropropane	7.29	63	626888	6.856 ppbv #	24
41) Tetrahydrofuran	6.19	42	6886	0.075 ppbv #	91
42) Bromodichloromethane	7.91	83	9347	0.050 ppbv #	96
44) 2,2,4-Trimethylpentane	7.99	57	24426	0.062 ppbv #	62
46) cis-1,3-Dichloropropene	8.84	75	6042	0.046 ppbv	90
47) 1,1,2-Trichloroethane	9.61	97	6185	0.065 ppbv #	80
49) Bromoform	13.19	173	4091	0.032 ppbv #	24
56) 1,1,1,2-Tetrachloroethane	12.28	131	7081	0.069 ppbv #	16
59) m/p-Xylene	13.12	91	15260	0.051 ppbv #	59
61) Styrene	13.68	104	7028	0.032 ppbv #	25
65) tert-Butylbenzene	16.91	119	14265	0.040 ppbv #	24

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019
QLast Update : Wed Mar 06 02:40:20 2019
Response via : Initial Calibration

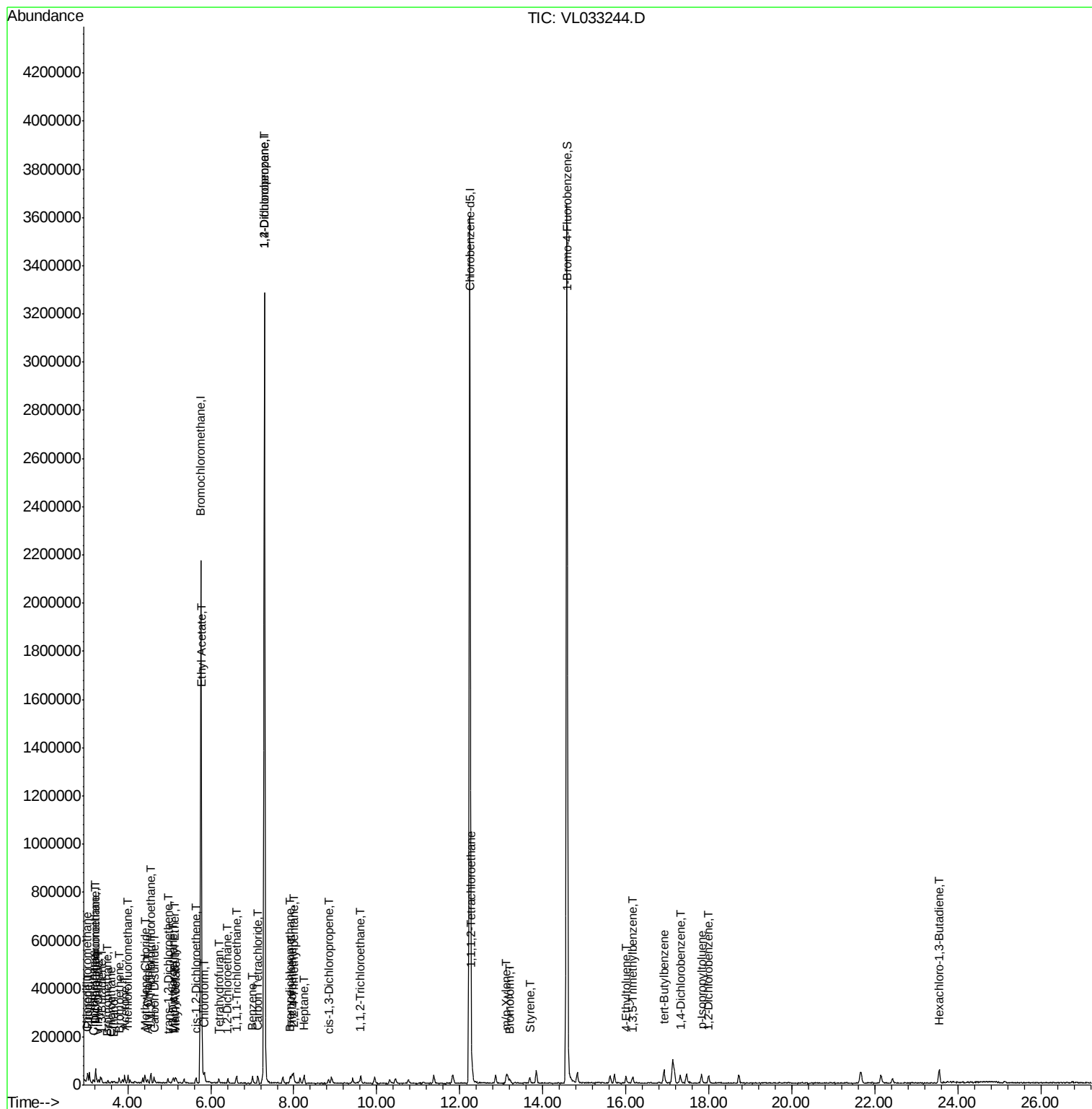
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.82	119	23717	0.055	ppbv #	88
72) 4-Ethyltoluene	16.00	105	18897	0.057	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.15	105	10463	0.033	ppbv #	86
76) 1,4-Dichlorobenzene	17.31	146	12105	0.064	ppbv	71
77) 1,2-Dichlorobenzene	17.99	146	13059	0.070	ppbv	83
78) Hexachloro-1,3-Butadiene	23.53	225	4010	0.040	ppbv #	18

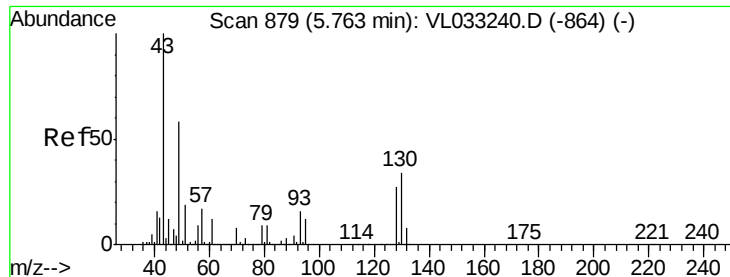
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL033244.D

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

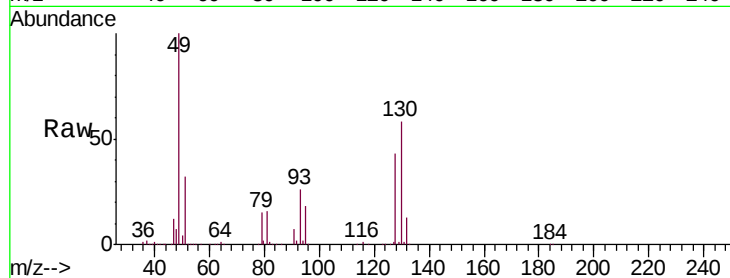
Tgt Ion: 49 Resp: 1031350

Ion Ratio Lower Upper

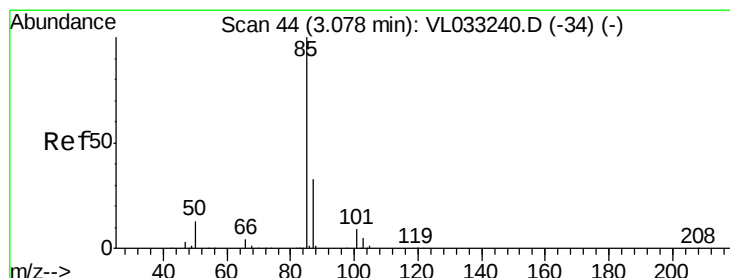
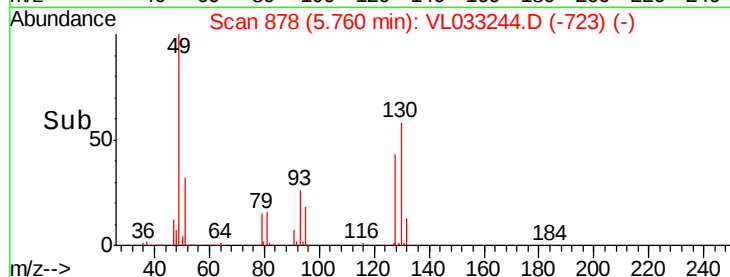
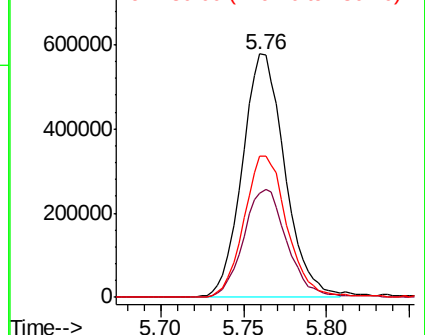
49 100

128 45.7 22.9 68.8

130 59.1 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: 0.109 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.14 min

Lab File: VL033244.D

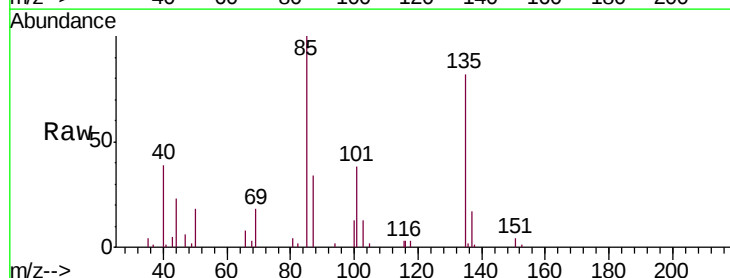
Acq: 6 Mar 2019 4:33

Tgt Ion: 85 Resp: 19858

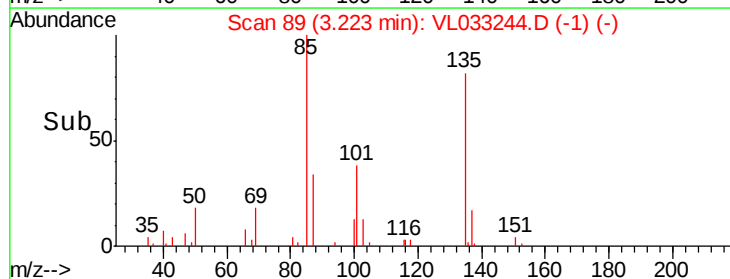
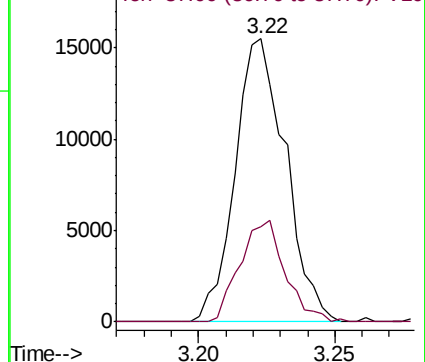
Ion Ratio Lower Upper

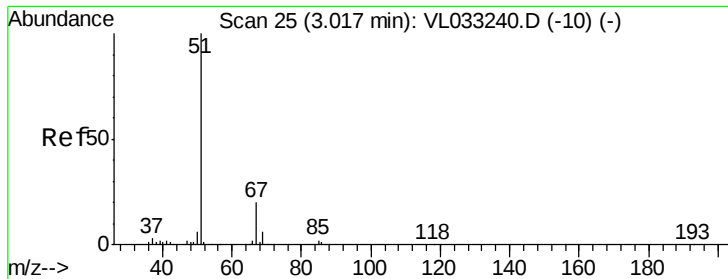
85 100

87 33.8 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: 0.138 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033244.D

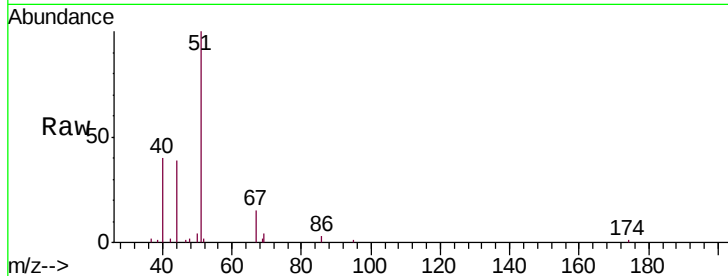
Acq: 6 Mar 2019 4:33

Tgt Ion: 51 Resp: 16763

Ion Ratio Lower Upper

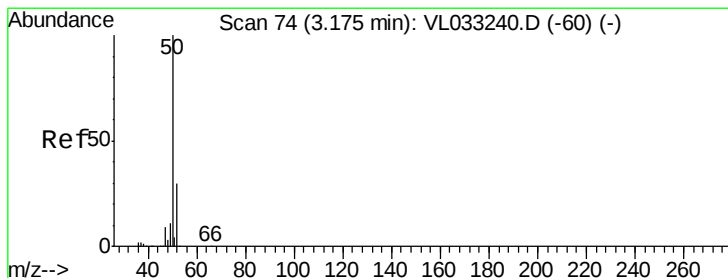
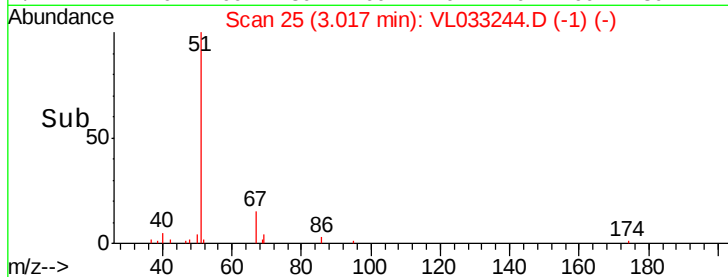
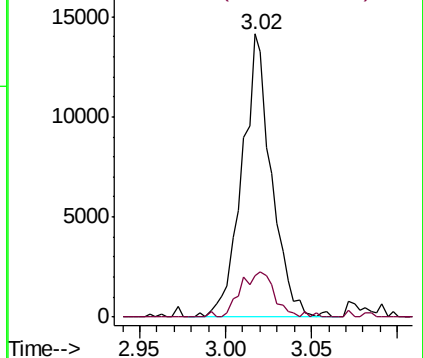
51 100

67 18.9 15.0 22.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.144 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL033244.D

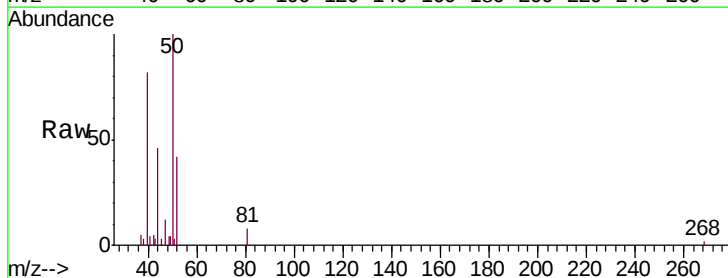
Acq: 6 Mar 2019 4:33

Tgt Ion: 50 Resp: 9148

Ion Ratio Lower Upper

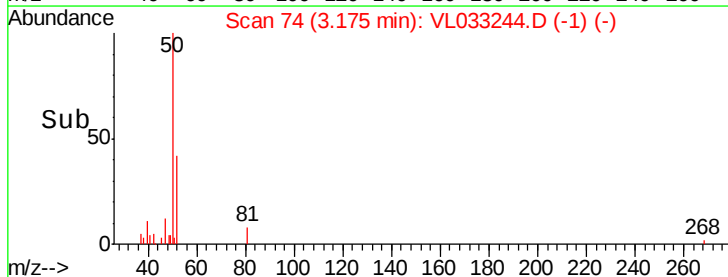
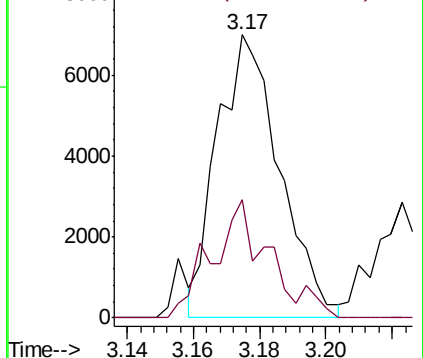
50 100

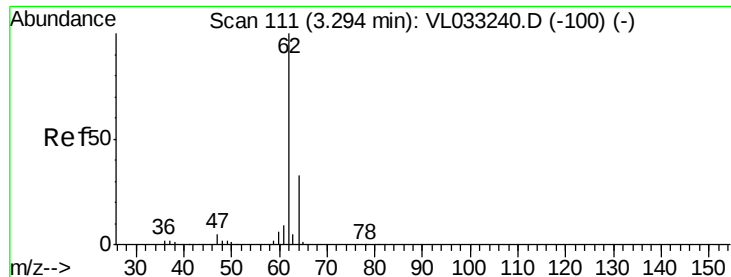
52 43.9 24.3 36.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.115 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033244.D

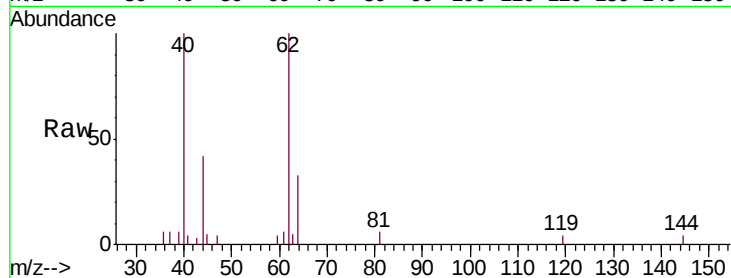
Acq: 6 Mar 2019 4:33

Tgt Ion: 62 Resp: 7772

Ion Ratio Lower Upper

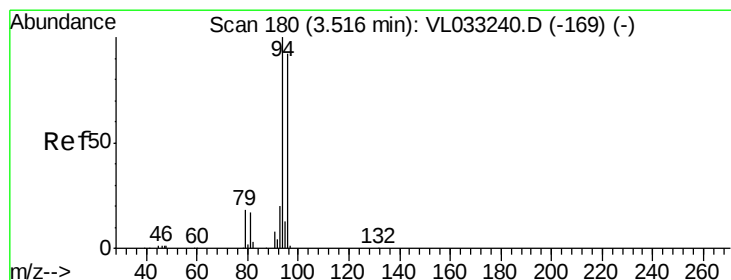
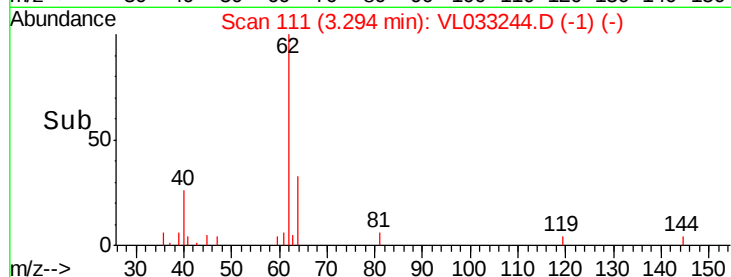
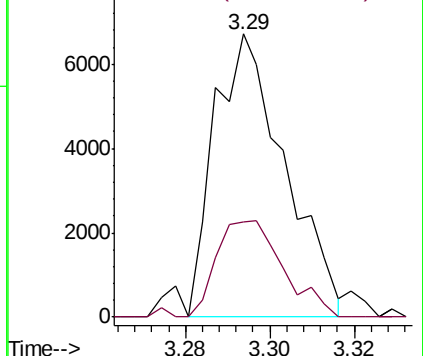
62 100

64 33.4 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.060 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033244.D

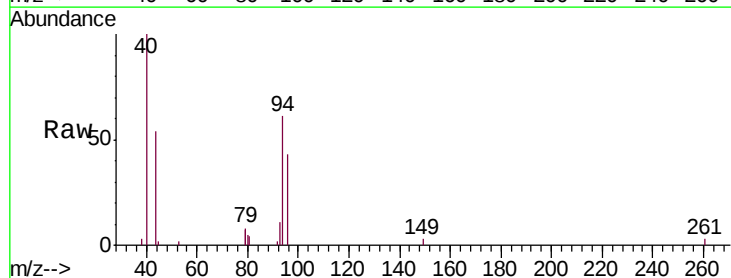
Acq: 6 Mar 2019 4:33

Tgt Ion: 94 Resp: 2220

Ion Ratio Lower Upper

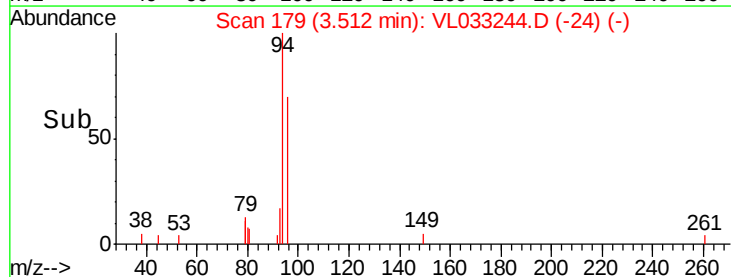
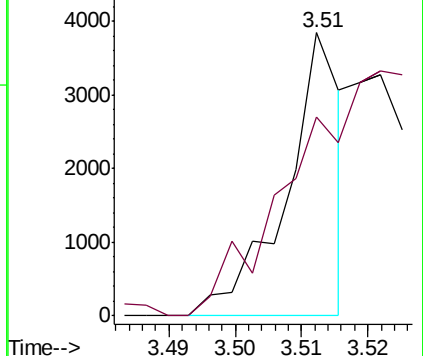
94 100

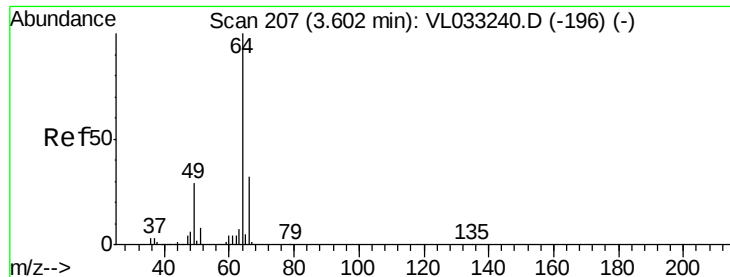
96 70.3 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.036 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033244.D

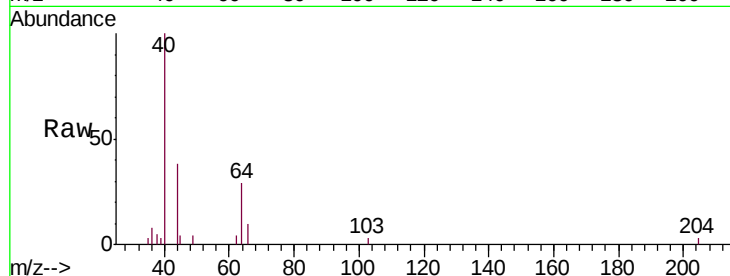
Acq: 6 Mar 2019 4:33

Tgt Ion: 64 Resp: 801

Ion Ratio Lower Upper

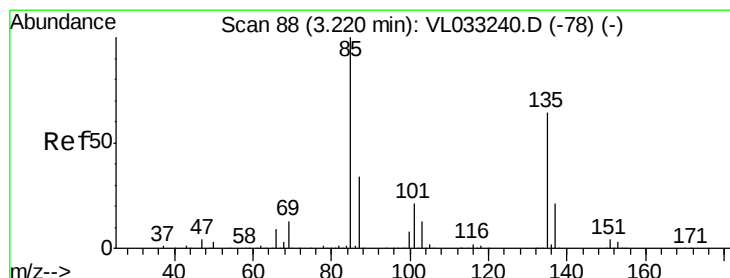
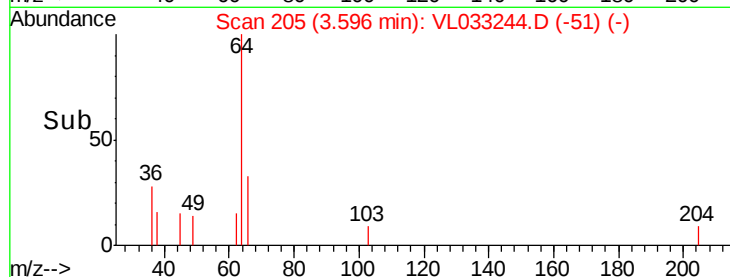
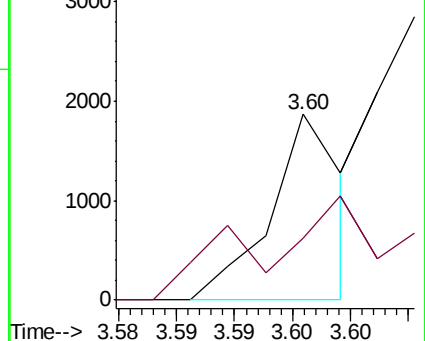
64 100

66 33.4 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.131 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033244.D

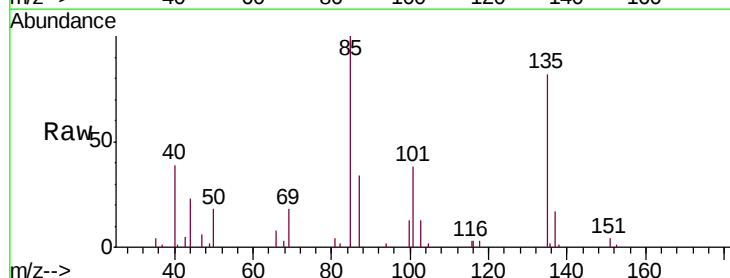
Acq: 6 Mar 2019 4:33

Tgt Ion: 85 Resp: 19858

Ion Ratio Lower Upper

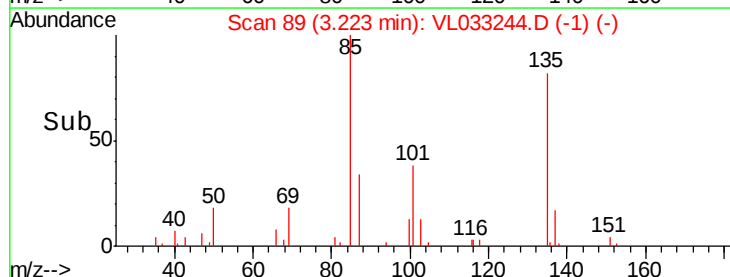
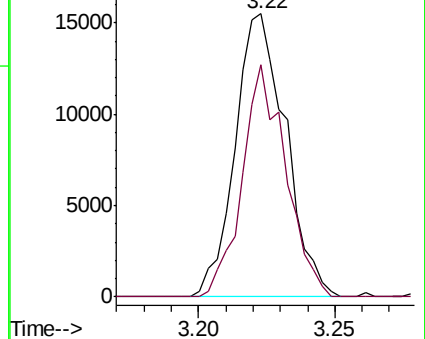
85 100

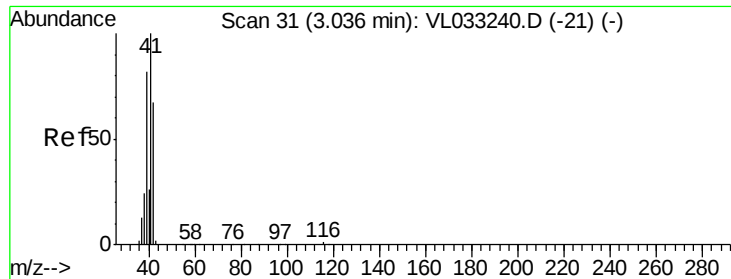
135 70.6 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.167 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033244.D

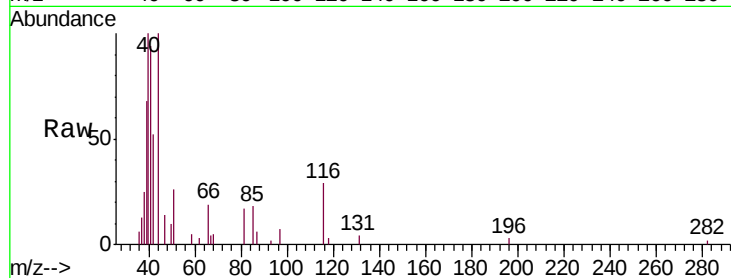
Acq: 6 Mar 2019 4:33

Tgt Ion: 41 Resp: 9723

Ion Ratio Lower Upper

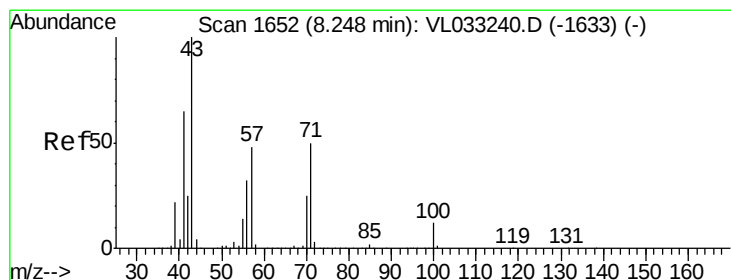
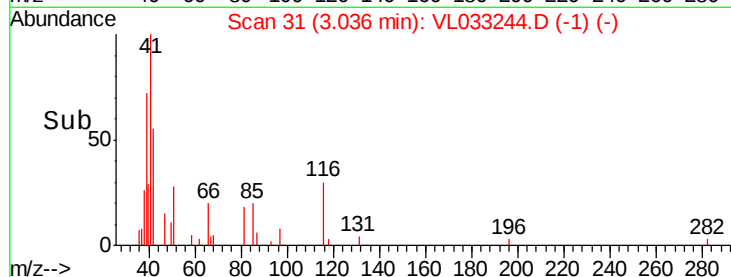
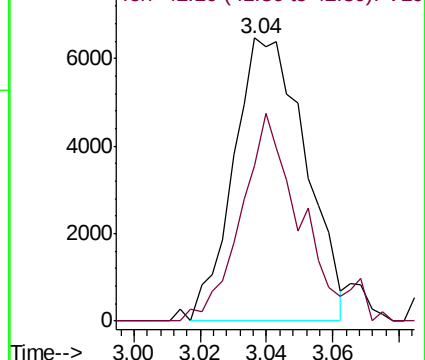
41 100

42 64.1 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: 0.074 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033244.D

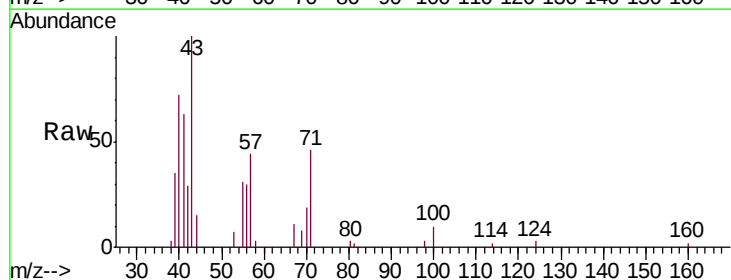
Acq: 6 Mar 2019 4:33

Tgt Ion: 43 Resp: 12971

Ion Ratio Lower Upper

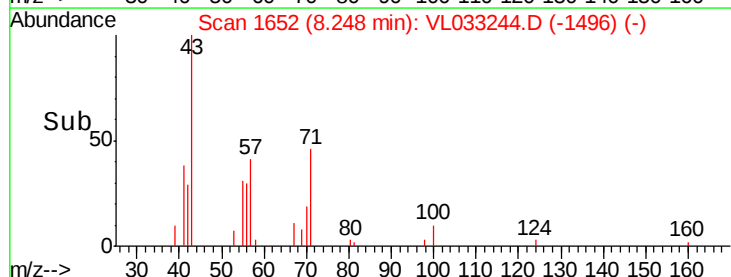
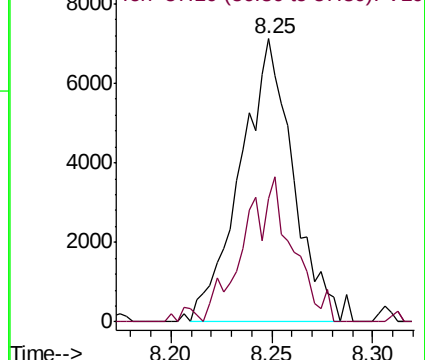
43 100

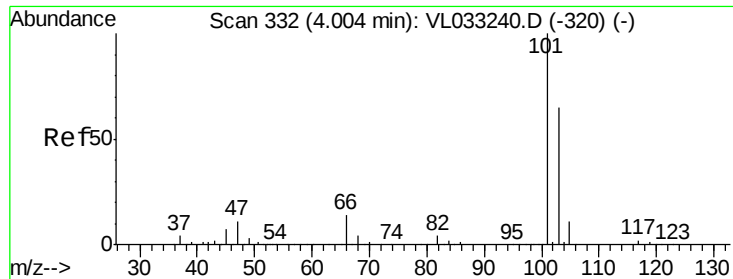
57 48.7 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

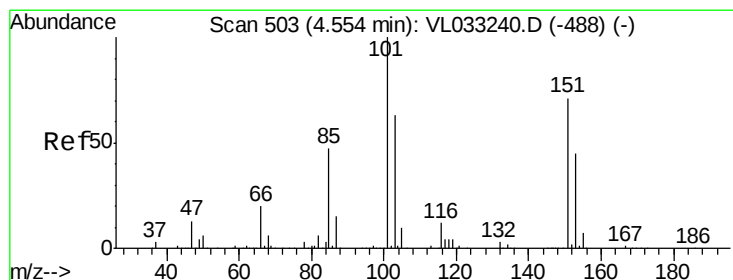
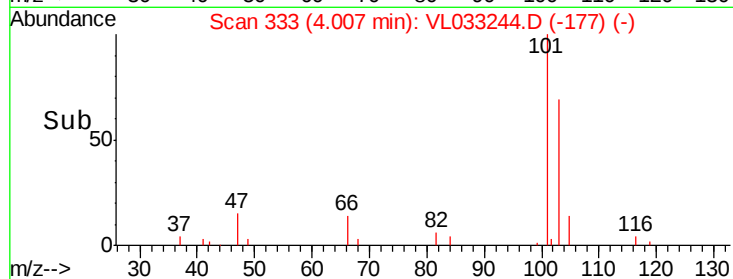
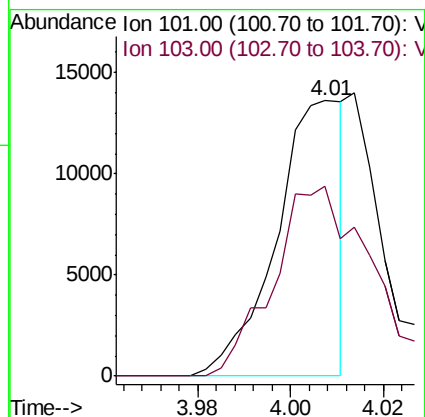
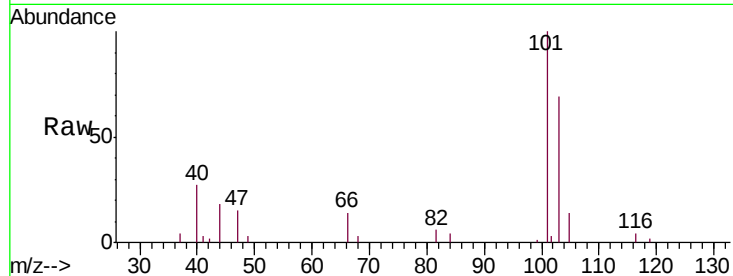
Ion 57.10 (56.80 to 57.80): VL0





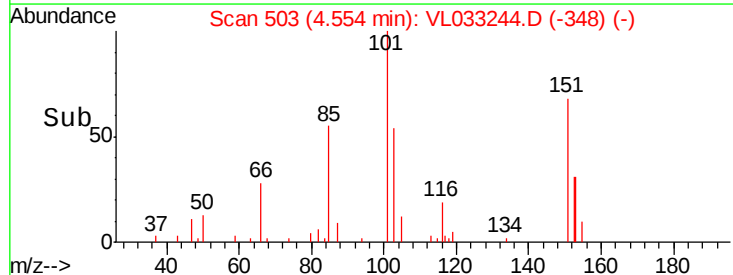
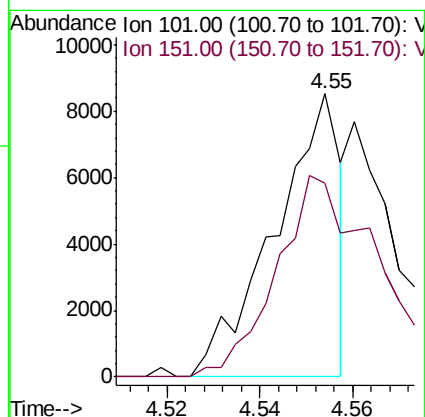
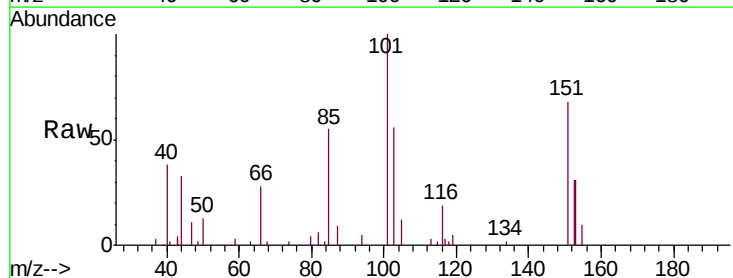
#11
 Trichlorofluoromethane
 Concen: 0.087 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

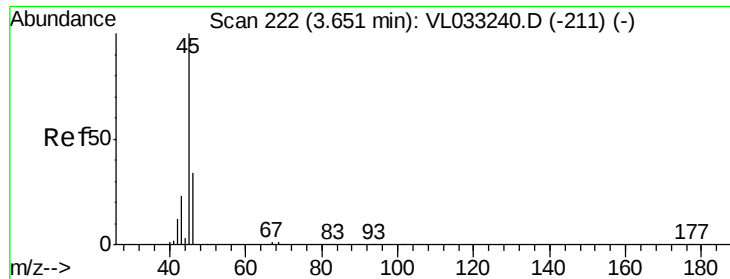
Tgt Ion:101 Resp: 13698
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion:101 Resp: 8376
 Ion Ratio Lower Upper
 101 100
 151 109.0 57.0 85.6#





#13

Ethanol

Concen: 0.141 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033244.D

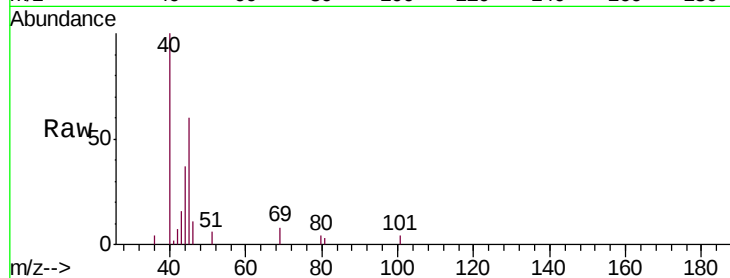
Acq: 6 Mar 2019 4:33

Tgt Ion: 45 Resp: 2790

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

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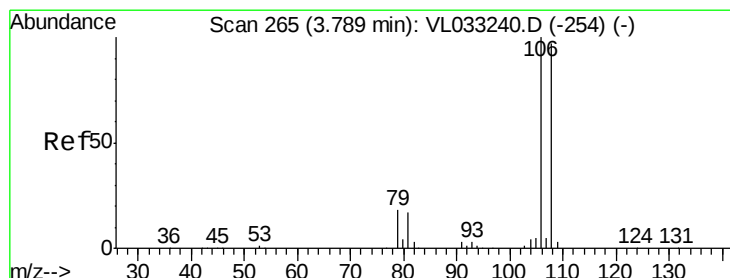
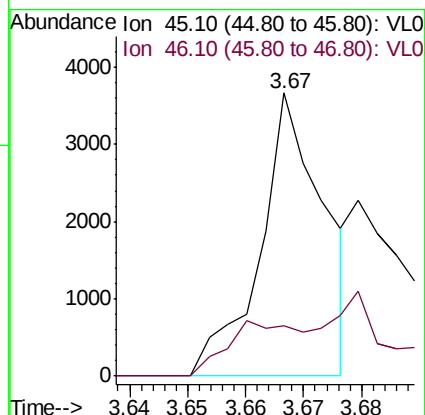
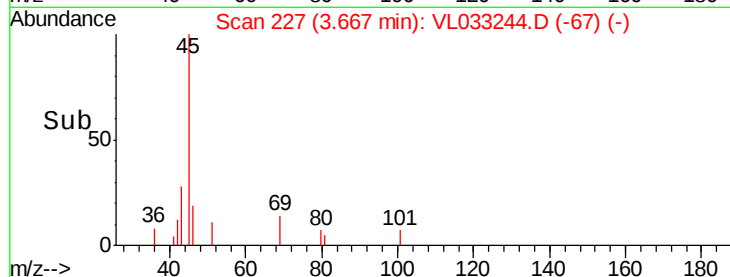
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#14

Bromoethene

Concen: 0.131 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

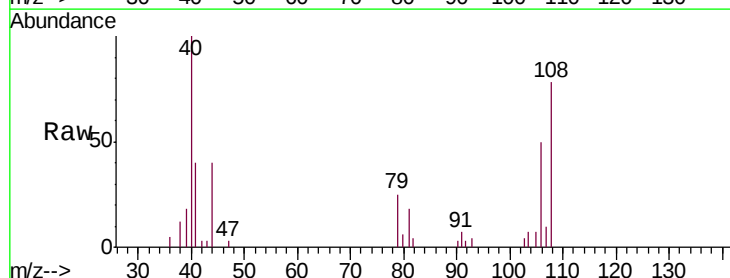
Tgt Ion: 108 Resp: 6112

Ion Ratio Lower Upper

108 100

106 96.0 85.5 128.3

79 22.9 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

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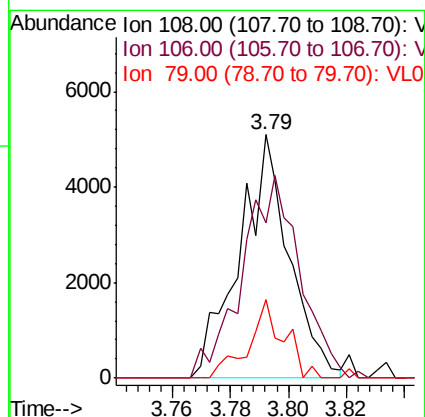
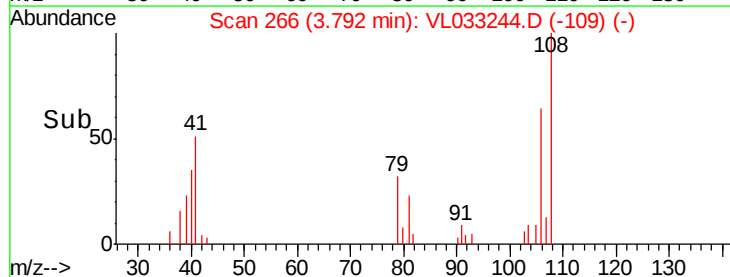
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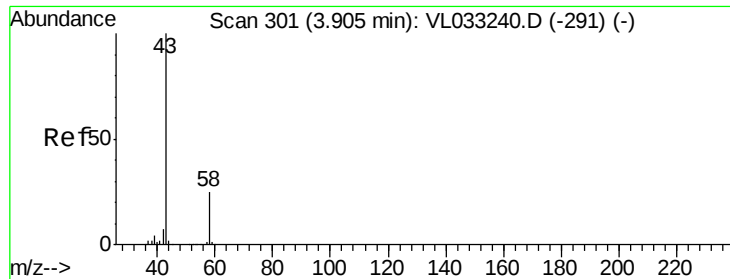
3.79

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#15

Acetone

Concen: 0.105 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033244.D

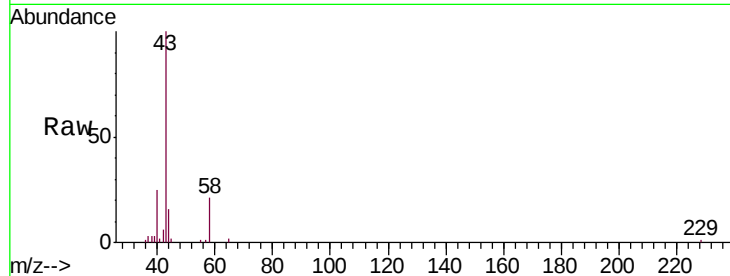
Acq: 6 Mar 2019 4:33

Tgt Ion: 43 Resp: 12104

Ion Ratio Lower Upper

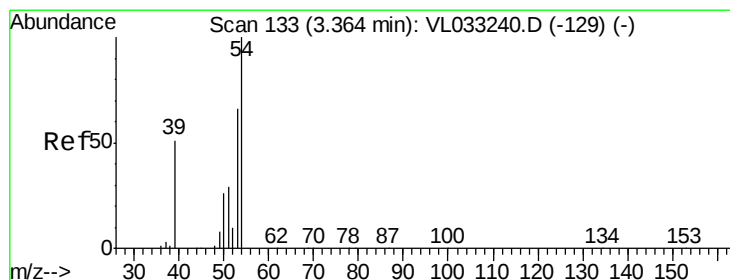
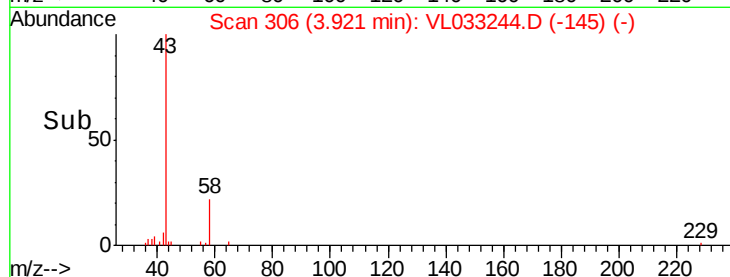
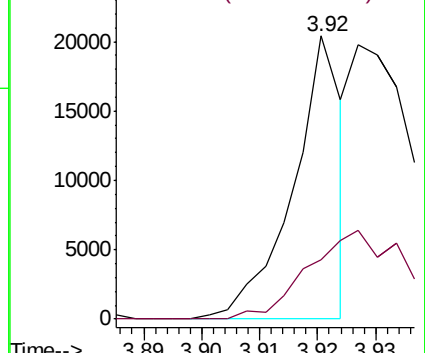
43 100

58 0.0 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: 0.135 ppbv

RT: 3.37 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL033244.D

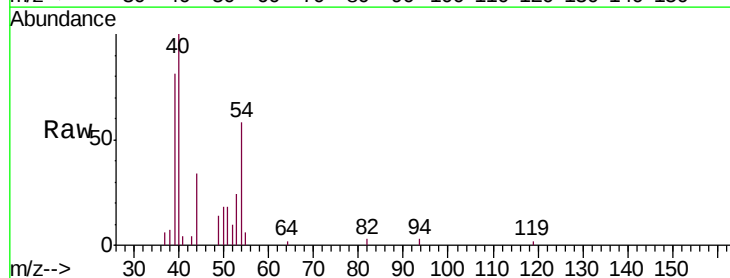
Acq: 6 Mar 2019 4:33

Tgt Ion: 39 Resp: 7352

Ion Ratio Lower Upper

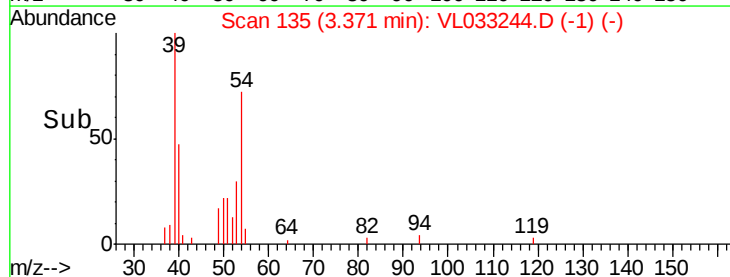
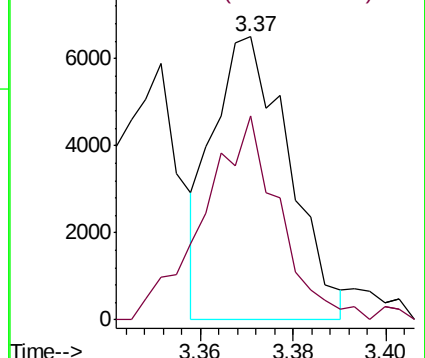
39 100

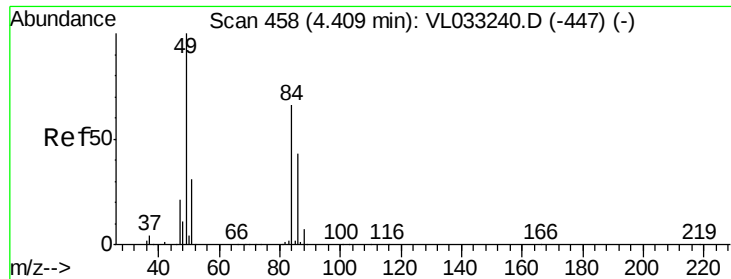
54 74.0 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

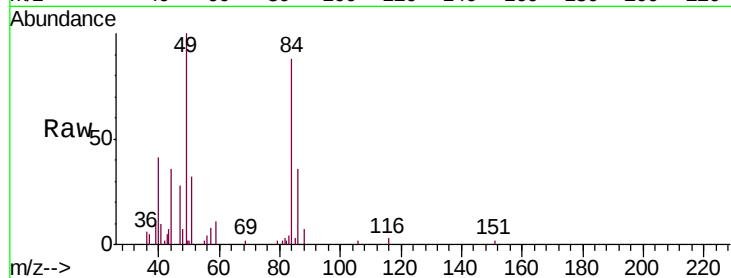
Ion 54.10 (53.80 to 54.80): VL0



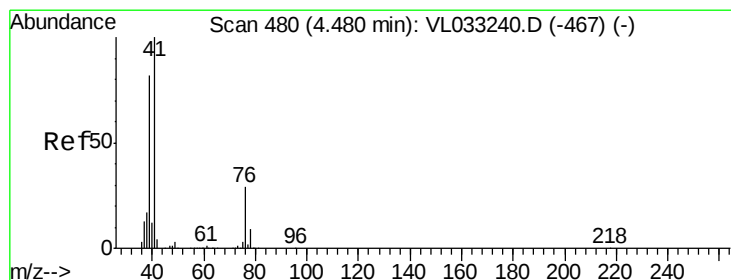
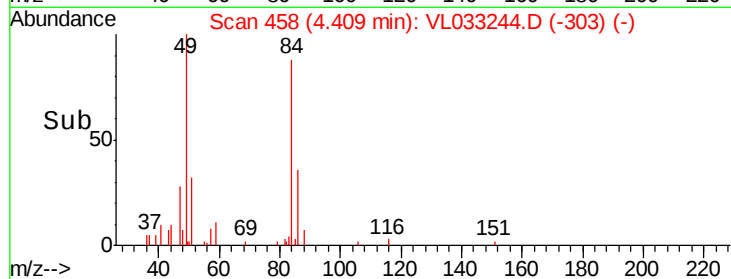
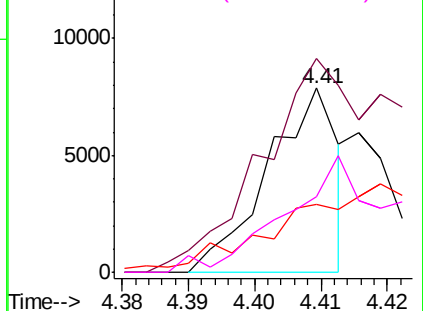


#20
Methylene Chloride
Concen: 0.128 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033244.D
Acq: 6 Mar 2019 4:33

Tgt Ion: 84 Resp: 5799
Ion Ratio Lower Upper
84 100
49 104.4 120.4 180.6#
51 31.8 36.7 55.1#
86 31.8 51.8 77.8#

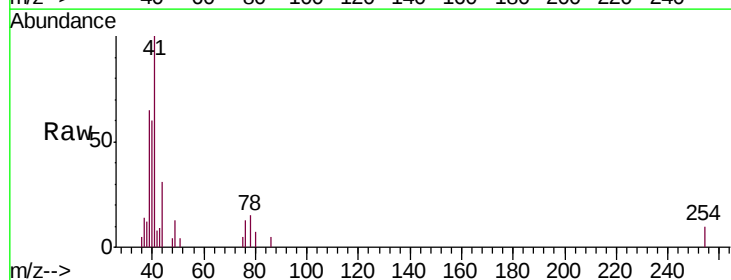


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

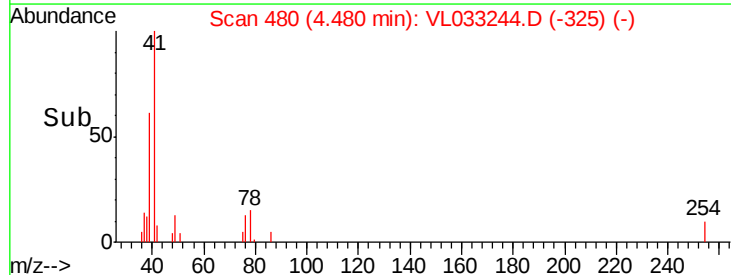
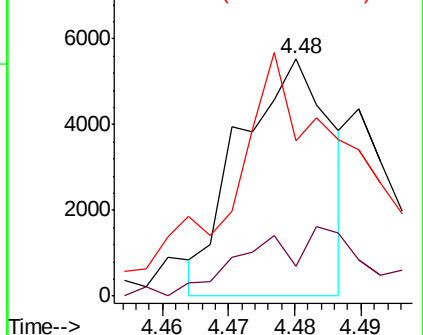


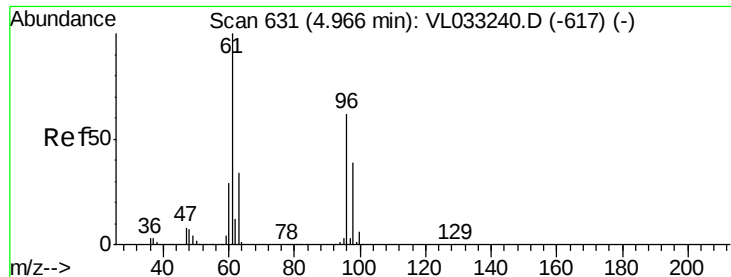
#21
Allyl Chloride
Concen: 0.071 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033244.D
Acq: 6 Mar 2019 4:33

Tgt Ion: 41 Resp: 5289
Ion Ratio Lower Upper
41 100
76 38.8 24.6 36.8#
39 151.1 65.2 97.8#



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





#22

trans-1,2-Dichloroethene

Concen: 0.079 ppbv

RT: 4.97 min Scan# 633

Delta R.T. 0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

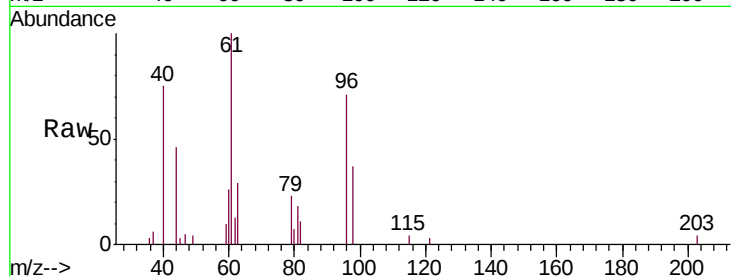
Tgt Ion: 96 Resp: 3827

Ion Ratio Lower Upper

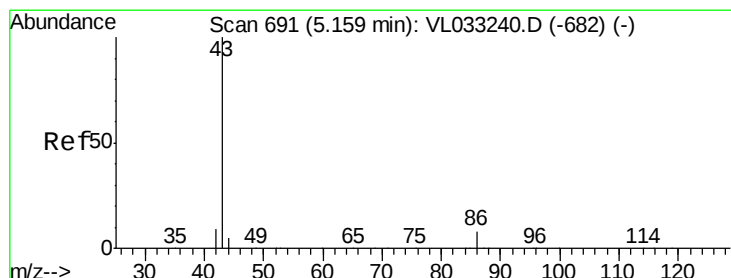
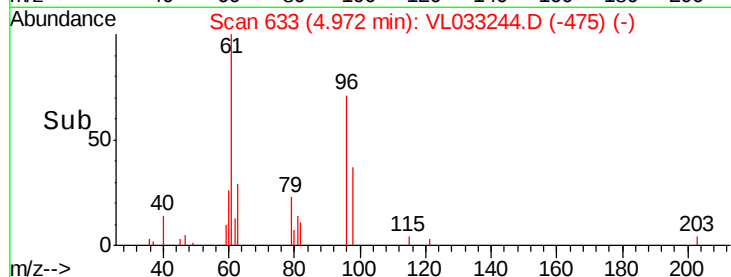
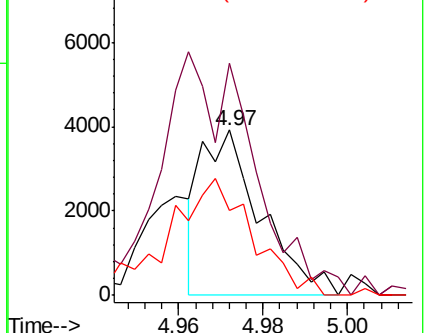
96 100

61 148.3 128.3 192.5

98 51.5 50.6 75.8



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



#23

Vinyl Acetate

Concen: 0.100 ppbv

RT: 5.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion: 43 Resp: 20213

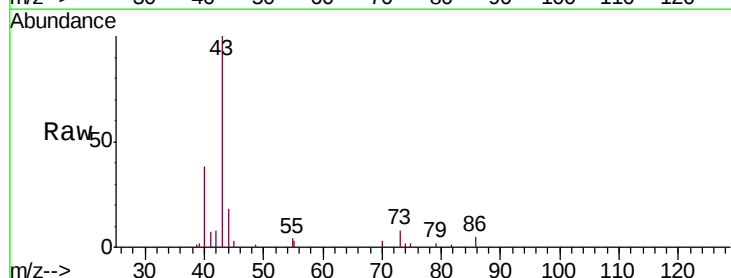
Ion Ratio Lower Upper

43 100

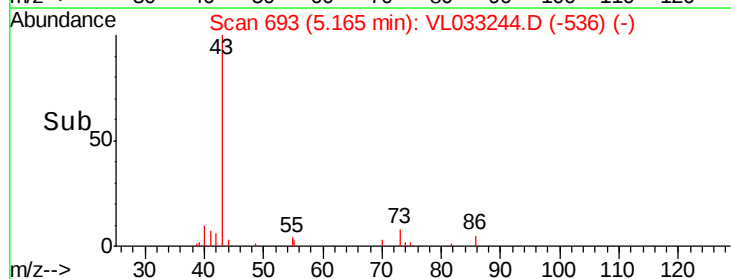
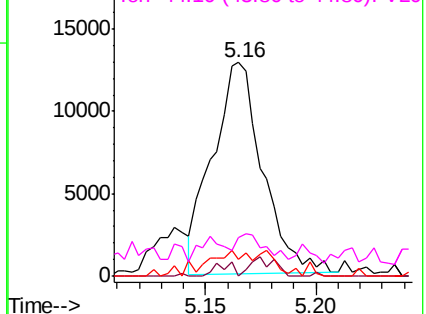
86 0.0 5.5 8.3#

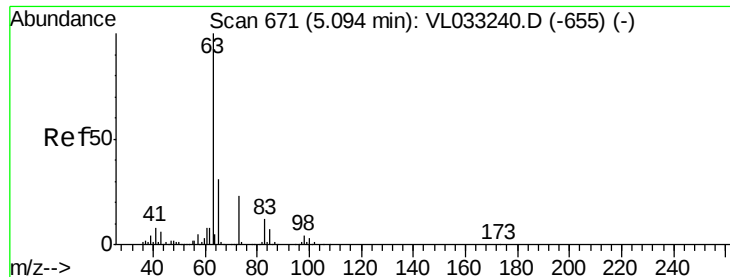
42 6.3 7.7 11.5#

44 9.7 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: 0.044 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

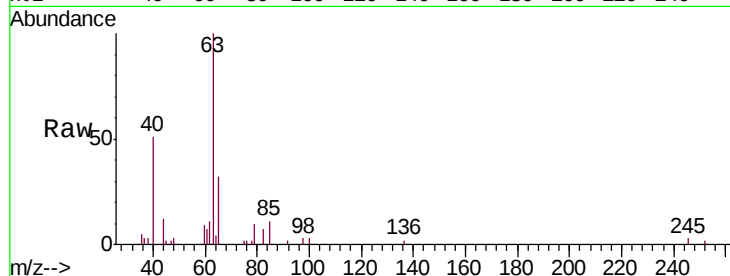
Tgt Ion: 63 Resp: 6340

Ion Ratio Lower Upper

63 100

98 2.9 2.1 6.3

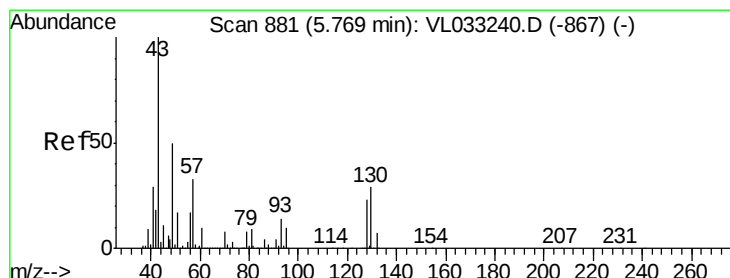
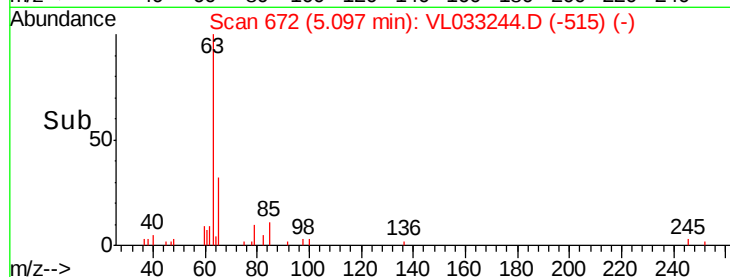
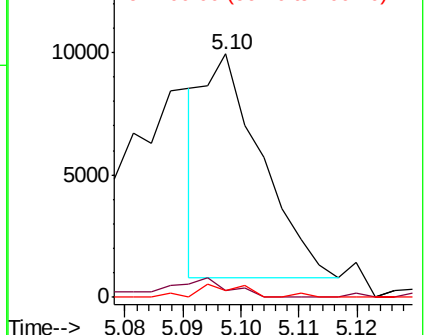
100 3.1 1.3 3.8



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: 0.058 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion: 43 Resp: 15190

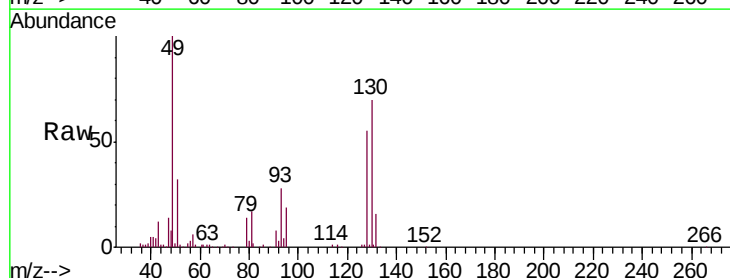
Ion Ratio Lower Upper

43 100

45 17.7 7.8 11.6#

61 16.4 7.0 10.6#

70 0.0 5.5 8.3#

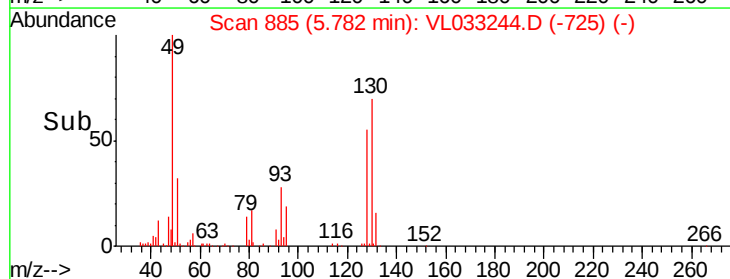
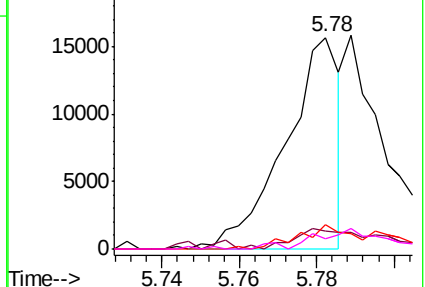


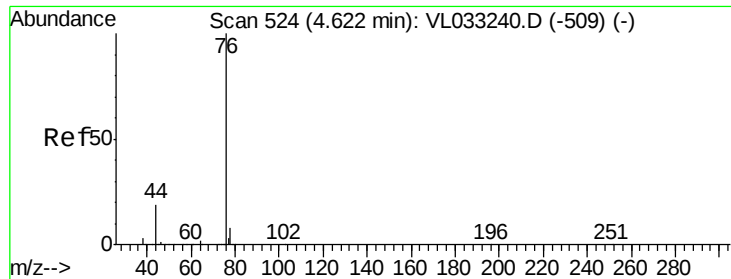
Abundance Ion 43.10 (42.80 to 43.80): VL0

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





#27

Carbon Disulfide

Concen: 0.093 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

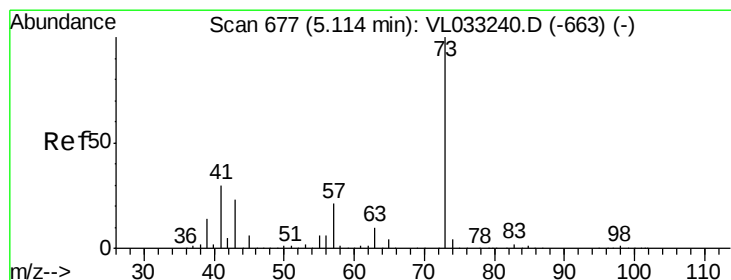
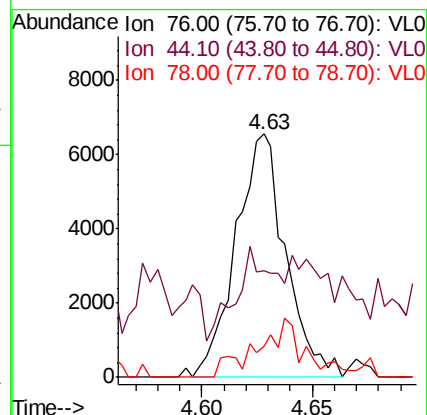
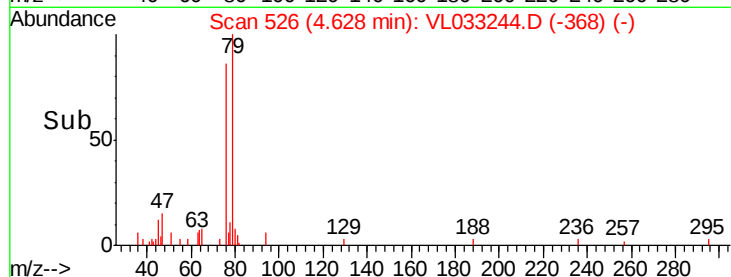
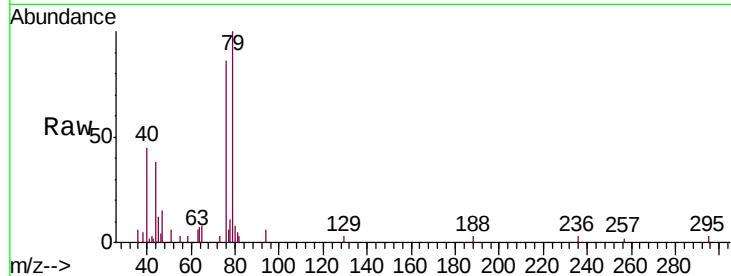
Tgt Ion: 76 Resp: 10275

Ion Ratio Lower Upper

76 100

44 63.3 15.0 22.6#

78 25.0 7.3 10.9#



#28

Methyl tert-Butyl Ether

Concen: 0.059 ppbv

RT: 5.14 min Scan# 685

Delta R.T. 0.03 min

Lab File: VL033244.D

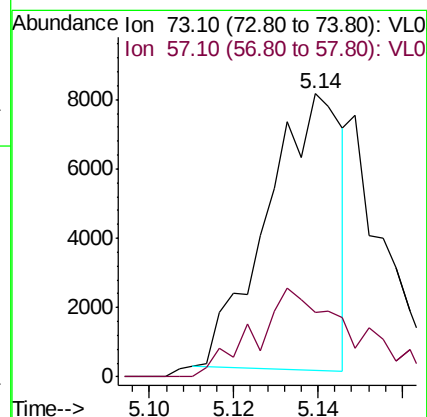
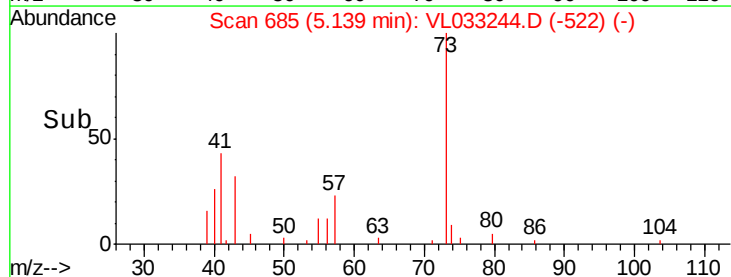
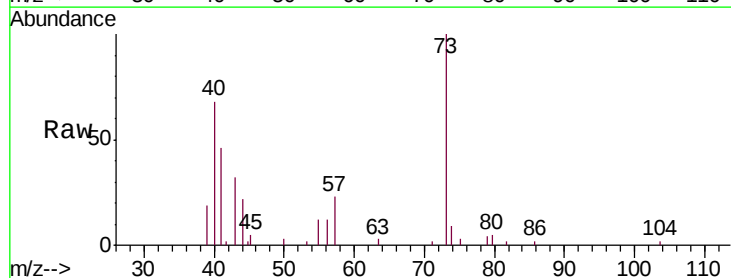
Acq: 6 Mar 2019 4:33

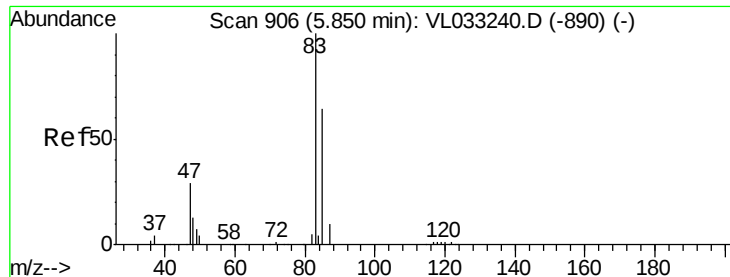
Tgt Ion: 73 Resp: 9825

Ion Ratio Lower Upper

73 100

57 41.9 17.6 26.4#





#29

Chloroform

Concen: 0.059 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033244.D

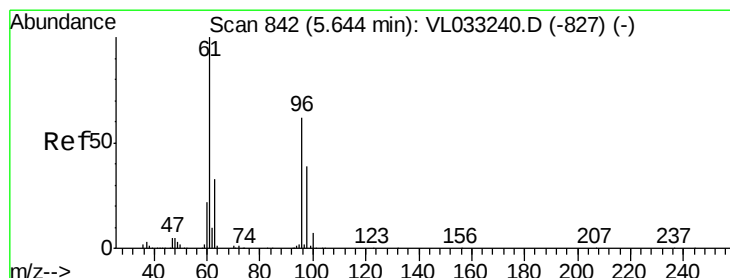
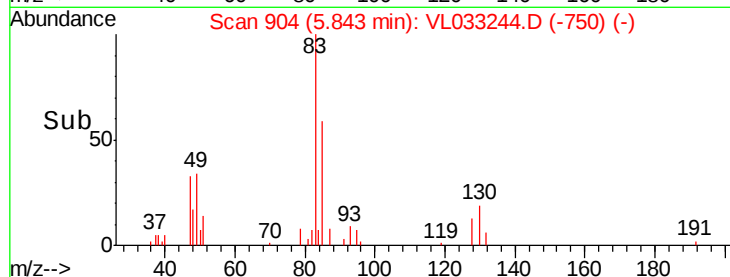
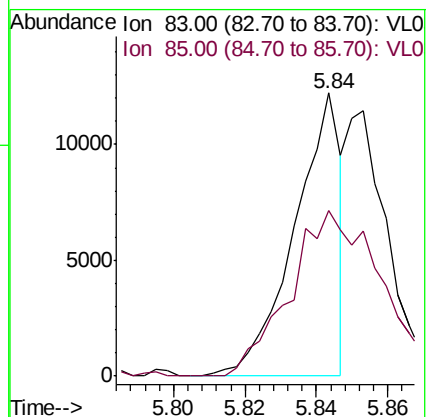
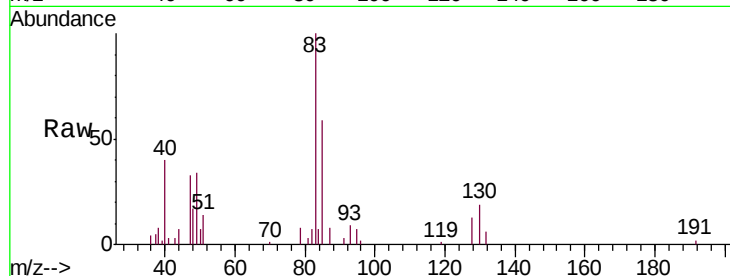
Acq: 6 Mar 2019 4:33

Tgt Ion: 83 Resp: 11006

Ion Ratio Lower Upper

83 100

85 58.6 51.2 76.8



#31

cis-1,2-Dichloroethene

Concen: 0.056 ppbv

RT: 5.65 min Scan# 843

Delta R.T. 0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

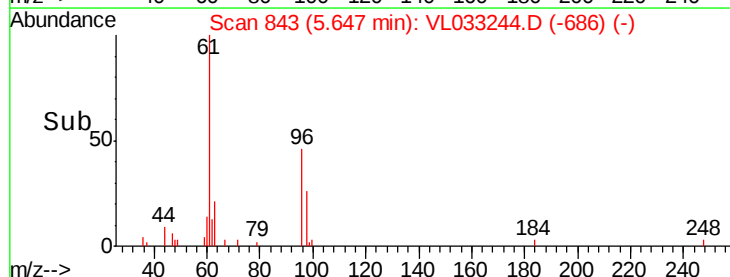
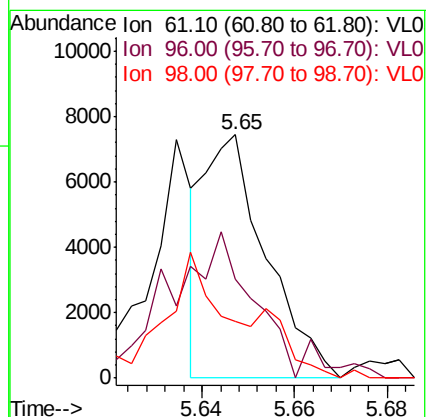
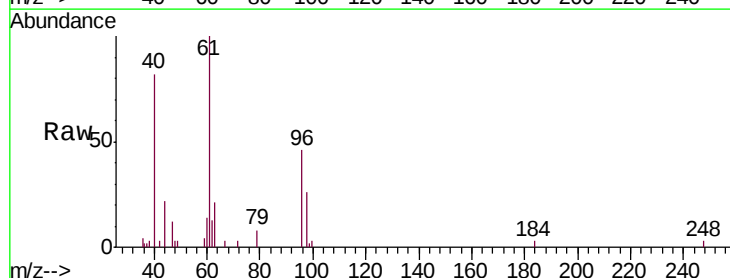
Tgt Ion: 61 Resp: 6874

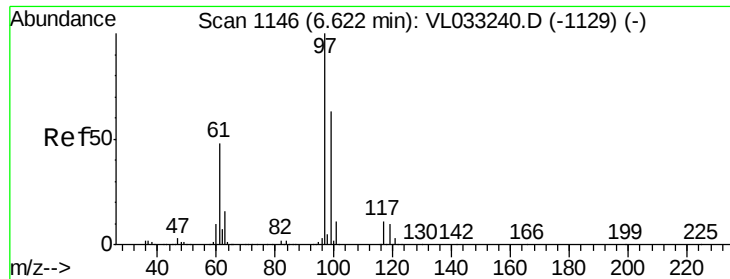
Ion Ratio Lower Upper

61 100

96 36.6 49.4 74.0#

98 23.1 31.2 46.8#





#32

1,1,1-Trichloroethane

Concen: 0.066 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

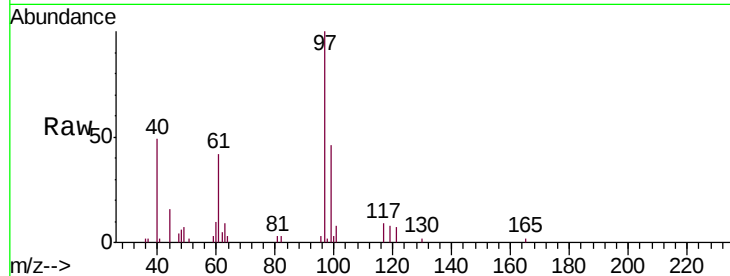
Tgt Ion: 97 Resp: 13722

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

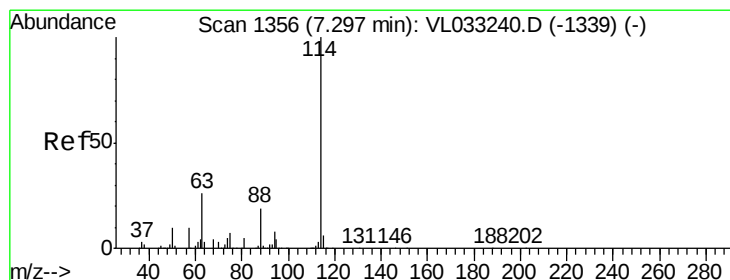
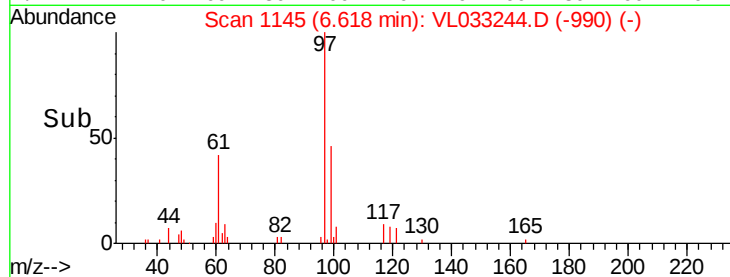
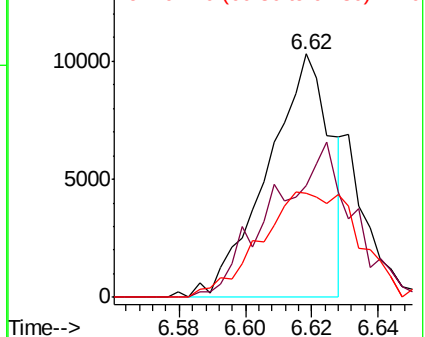
61 67.1 40.1 60.1#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

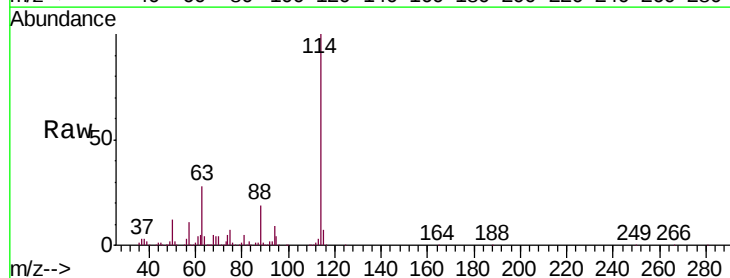
Tgt Ion: 114 Resp: 2278620

Ion Ratio Lower Upper

114 100

63 27.7 22.0 33.0

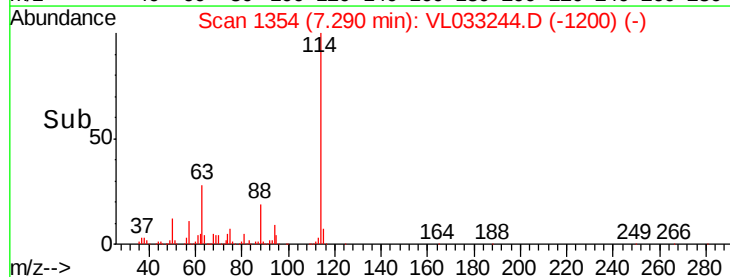
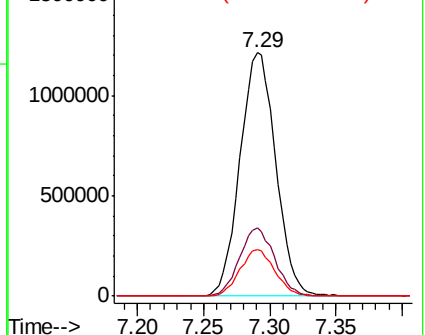
88 18.6 15.0 22.4

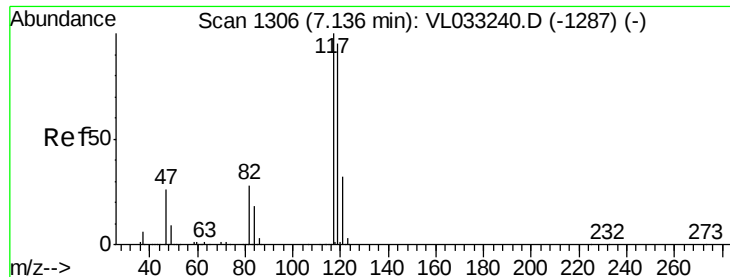


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.102 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

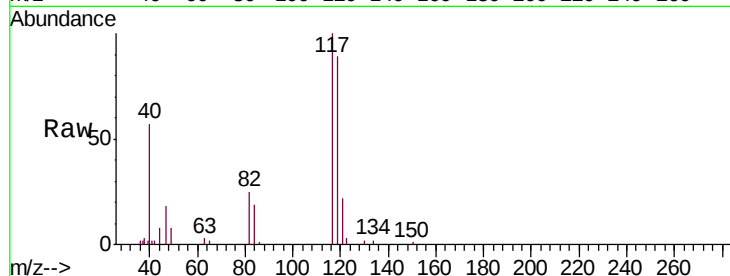
Tgt Ion: 117 Resp: 17972

Ion Ratio Lower Upper

117 100

119 88.7 75.8 113.6

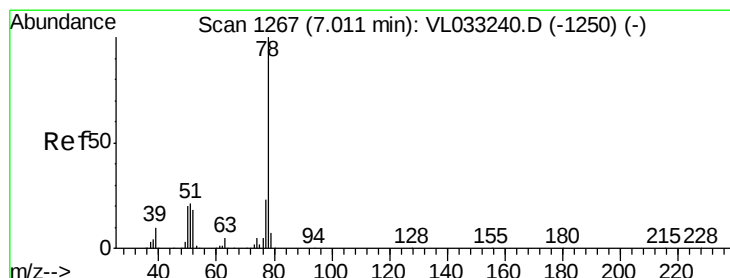
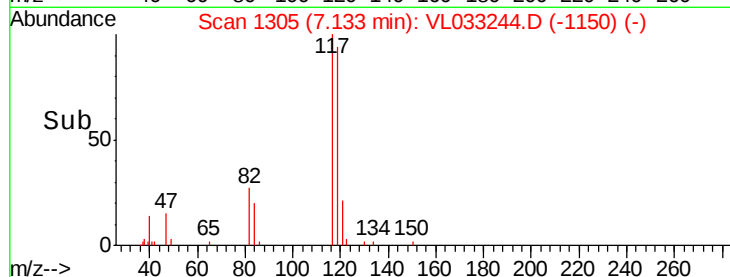
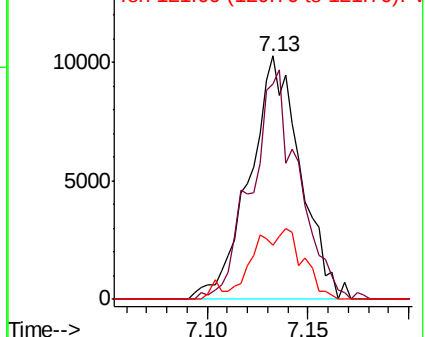
121 22.4 25.6 38.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.095 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

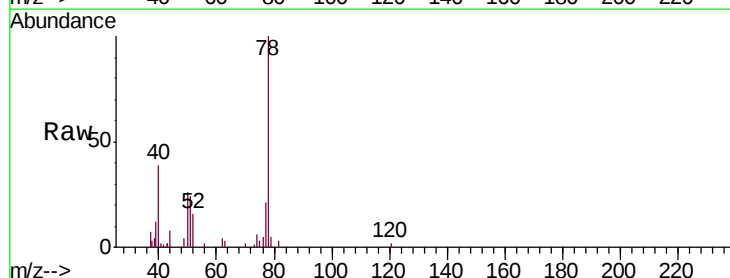
Tgt Ion: 78 Resp: 22377

Ion Ratio Lower Upper

78 100

77 20.6 18.0 27.0

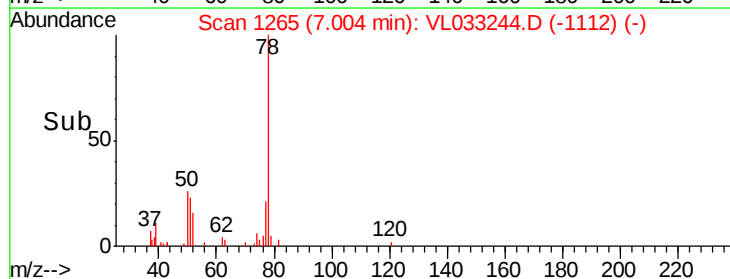
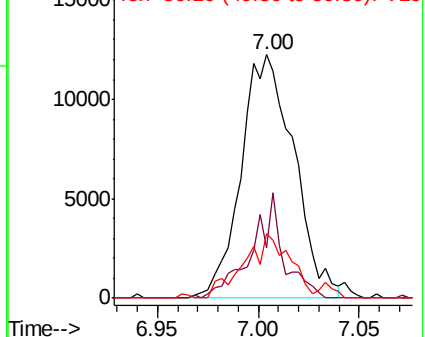
50 25.0 16.2 24.4#

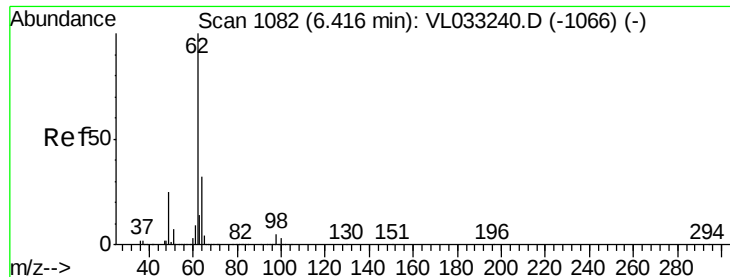


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

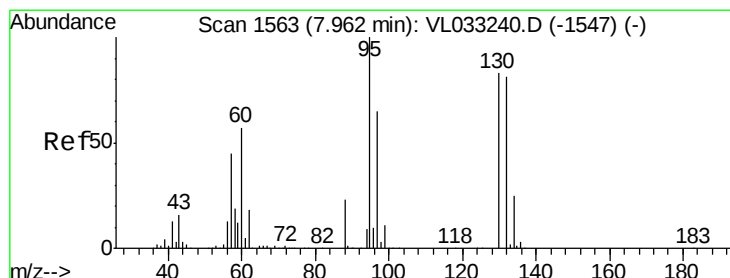
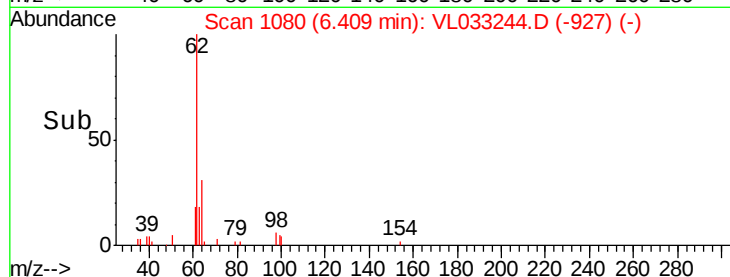
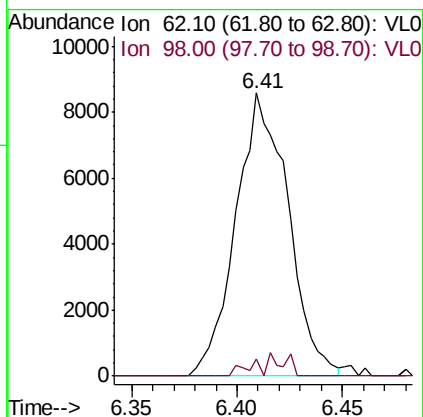
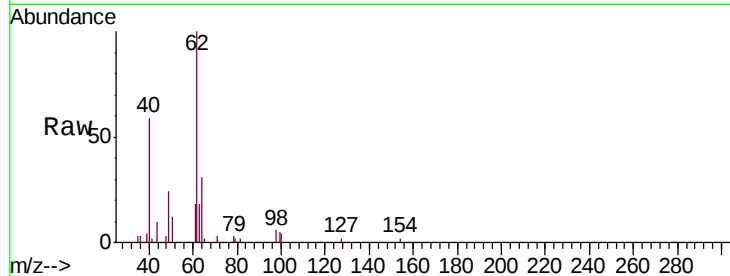
Ion 50.10 (49.80 to 50.80): VL0





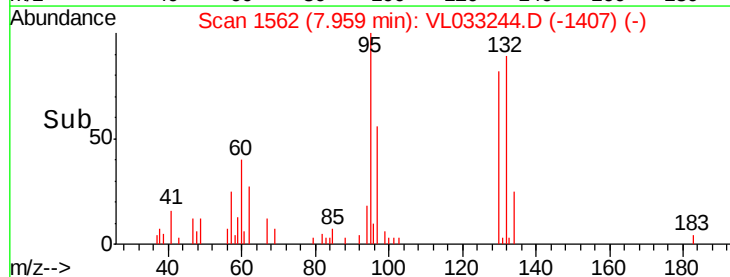
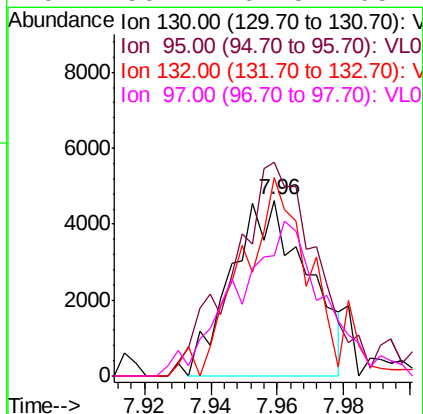
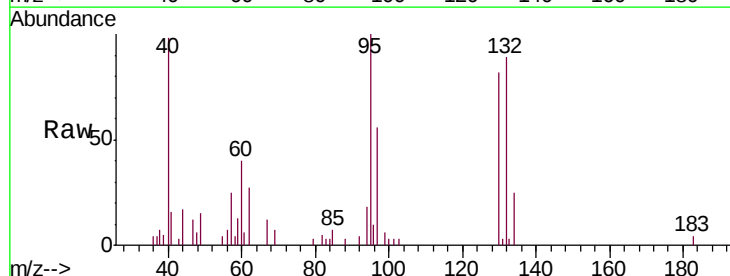
#37
 1,2-Dichloroethane
 Concen: 0.111 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

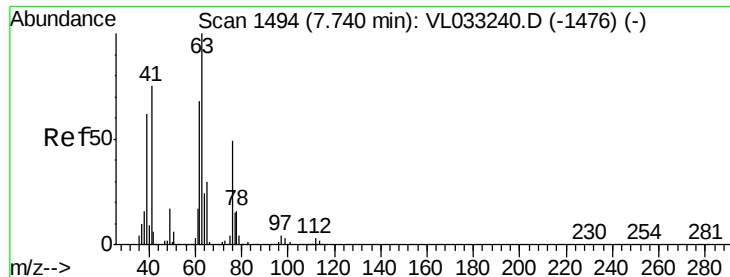
Tgt Ion: 62 Resp: 14754
 Ion Ratio Lower Upper
 62 100
 98 1.7 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.074 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion: 130 Resp: 7378
 Ion Ratio Lower Upper
 130 100
 95 117.9 95.7 143.5
 132 107.3 77.4 116.2
 97 56.2 62.5 93.7#





#39

1,2-Dichloropropane

Concen: 6.856 ppbv

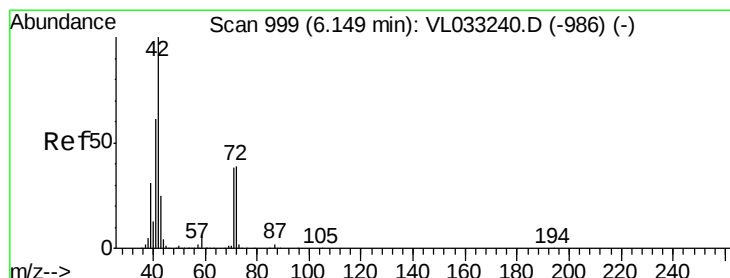
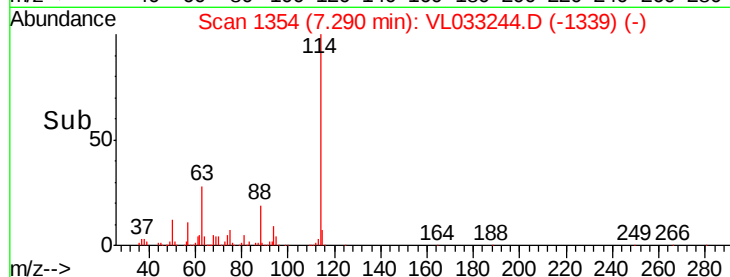
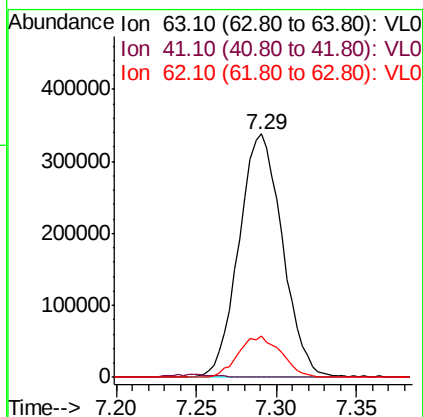
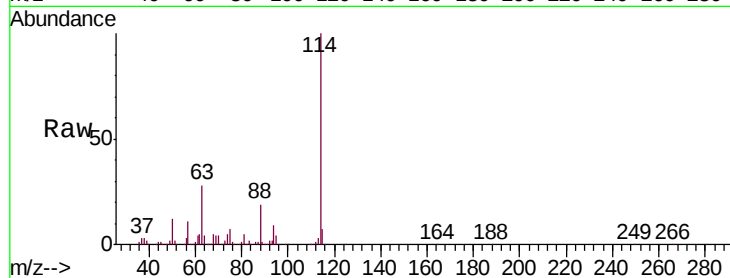
RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion:	63	Resp:	626888
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.0	90.0#
62	17.0	54.2	81.4#



#41

Tetrahydrofuran

Concen: 0.075 ppbv

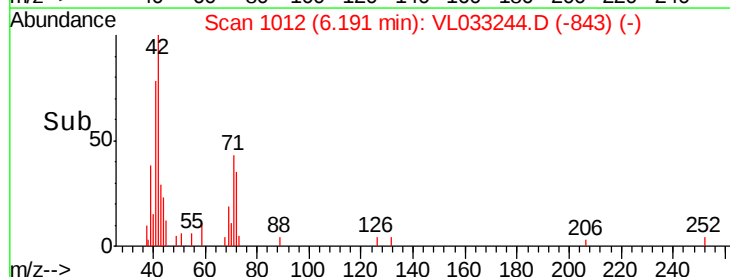
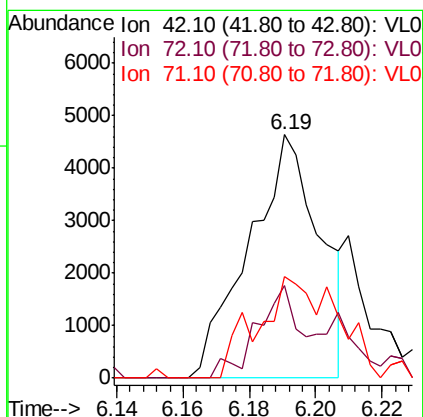
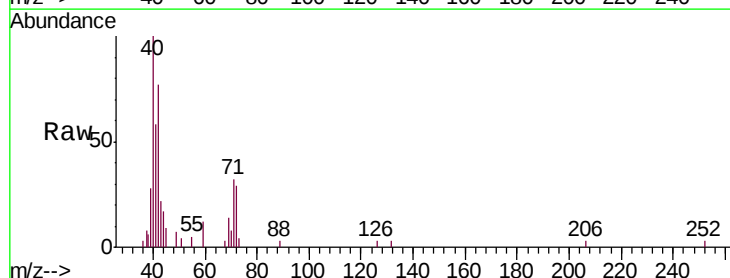
RT: 6.19 min Scan# 1012

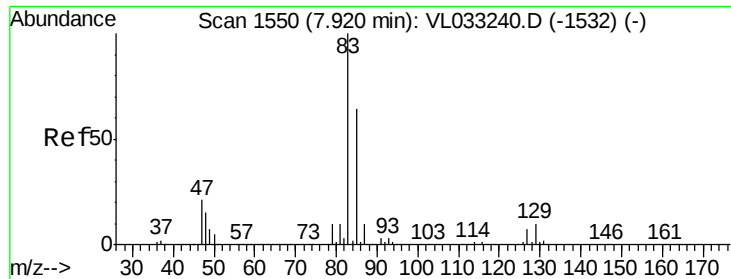
Delta R.T. 0.04 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion:	42	Resp:	6886
Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.2	45.4
71	47.7	29.6	44.4#





#42

Bromodichloromethane

Concen: 0.050 ppbv

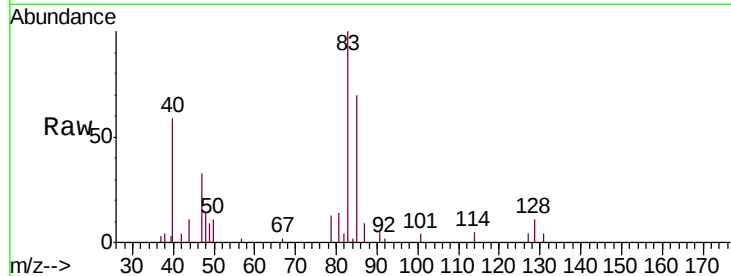
RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

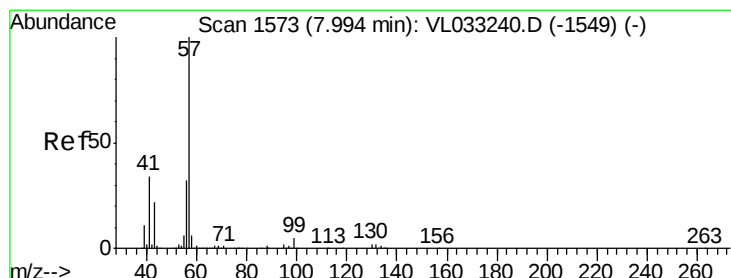
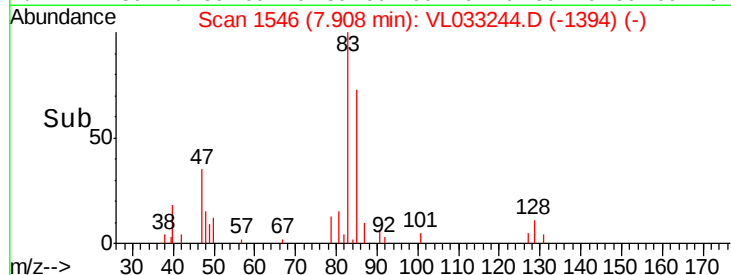
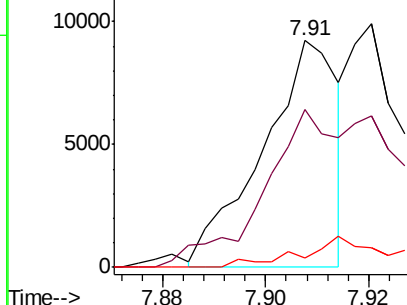
Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion:	83	Resp:	9347
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.5	77.3
127	4.5	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): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.062 ppbv

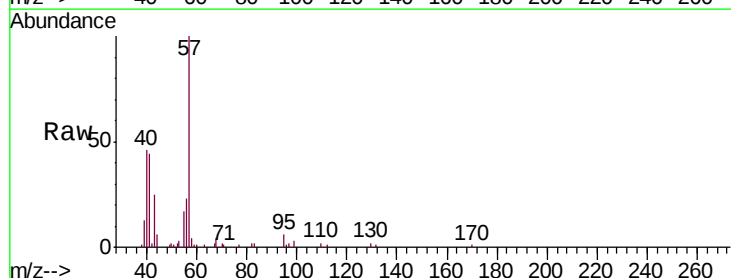
RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

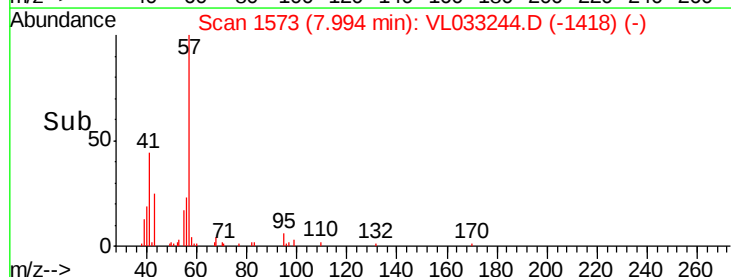
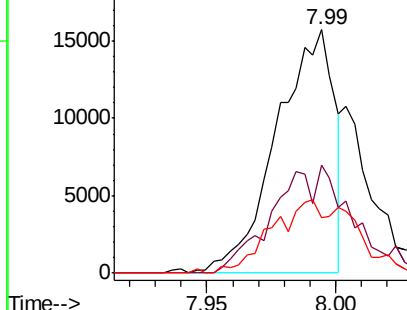
Lab File: VL033244.D

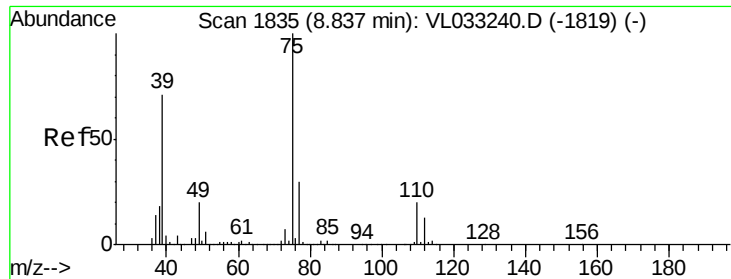
Acq: 6 Mar 2019 4:33

Tgt Ion:	57	Resp:	24426
Ion	Ratio	Lower	Upper
57	100		
41	61.8	26.1	39.1#
56	44.1	24.7	37.1#



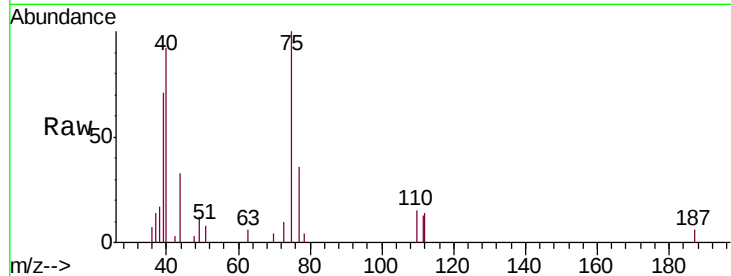
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



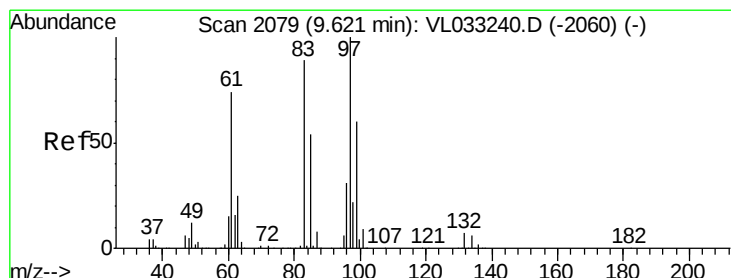
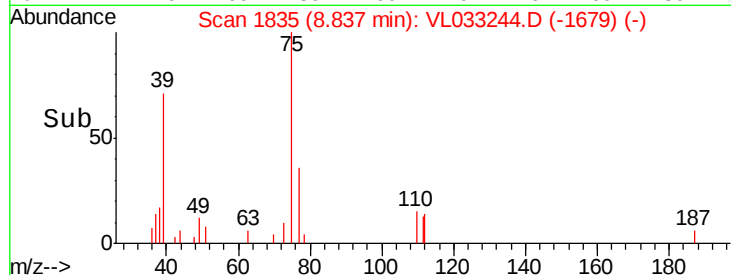
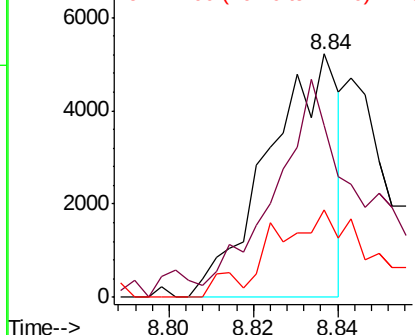


#46
 cis-1,3-Dichloropropene
 Concen: 0.046 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion: 75 Resp: 6042
 Ion Ratio Lower Upper
 75 100
 39 63.5 57.0 85.6
 77 35.8 24.0 36.0

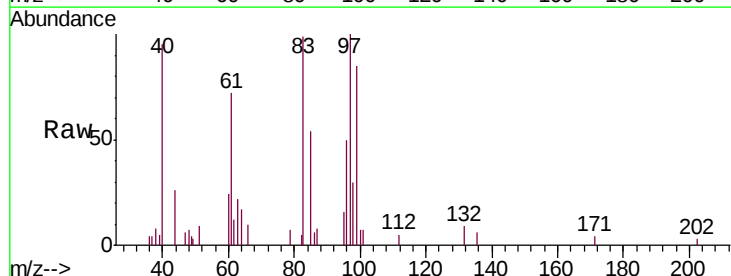


Abundance Ion 75.00 (74.70 to 75.70): VL0
 Ion 39.00 (38.70 to 39.70): VL0
 Ion 77.00 (76.70 to 77.70): VL0

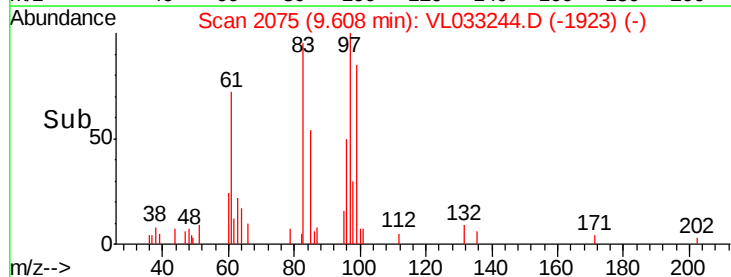
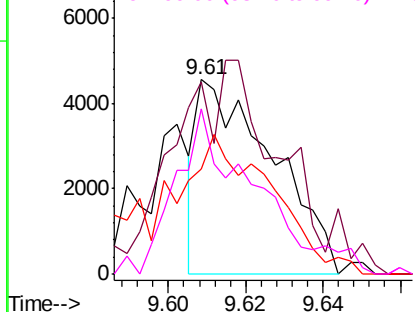


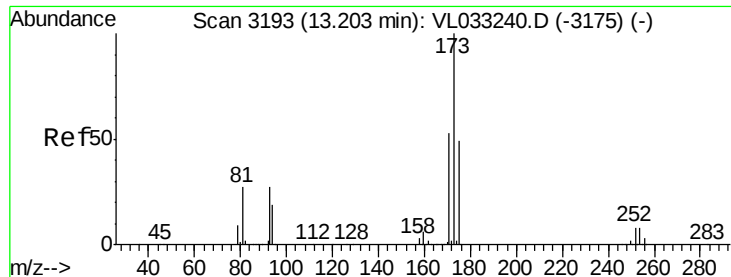
#47
 1,1,2-Trichloroethane
 Concen: 0.065 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion: 97 Resp: 6185
 Ion Ratio Lower Upper
 97 100
 83 65.2 71.1 106.7#
 85 45.5 42.9 64.3
 99 74.1 48.2 72.4#



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





#49

Bromoform

Concen: 0.032 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

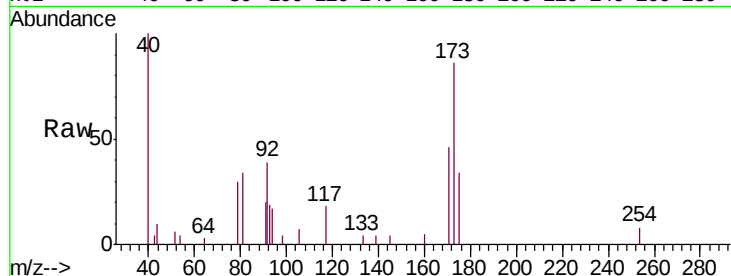
Tgt Ion:173 Resp: 4091

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

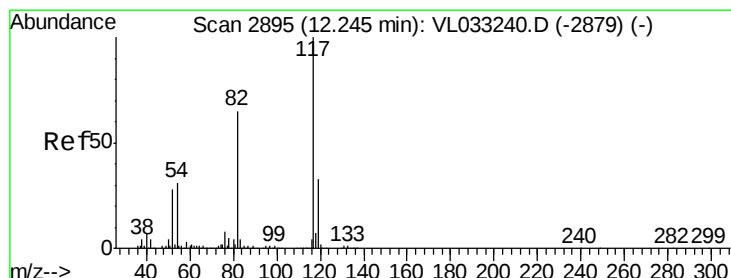
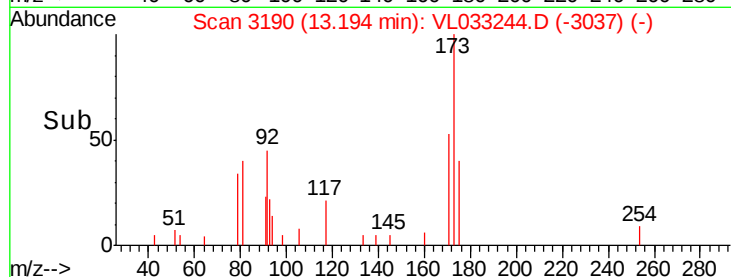
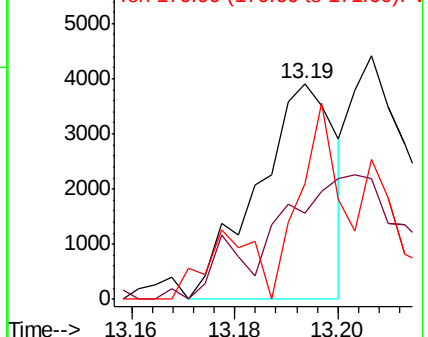
171 107.4 41.4 62.0#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

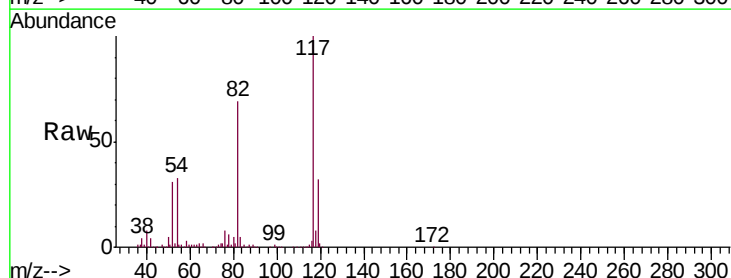
Tgt Ion:117 Resp: 2218022

Ion Ratio Lower Upper

117 100

82 67.9 51.8 77.8

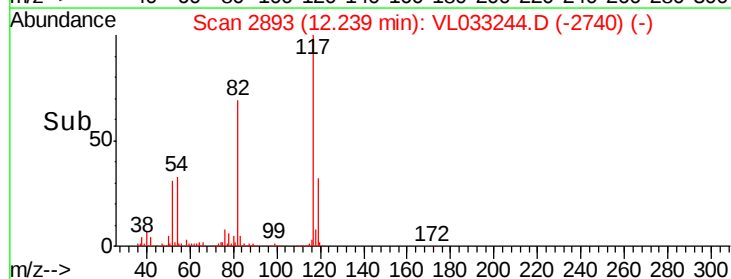
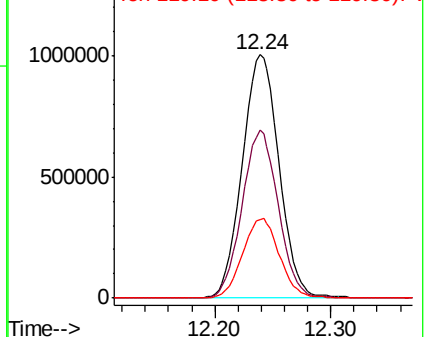
119 32.8 43.6 65.4#

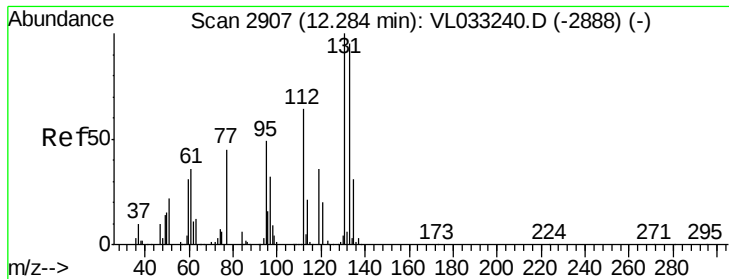


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

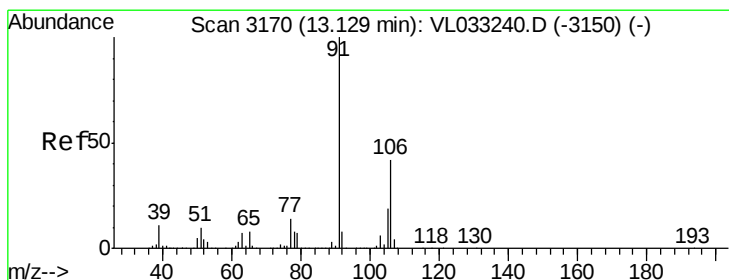
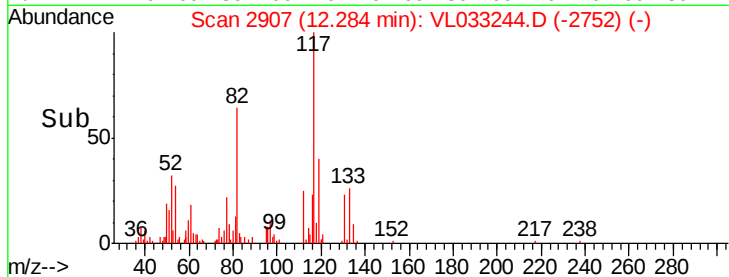
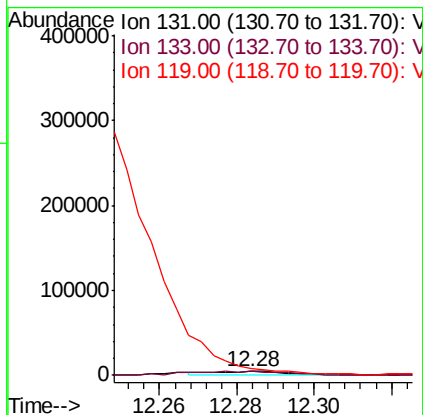
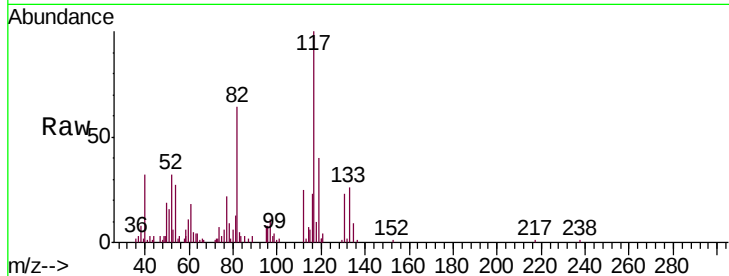
Ion 119.10 (118.80 to 119.80): V





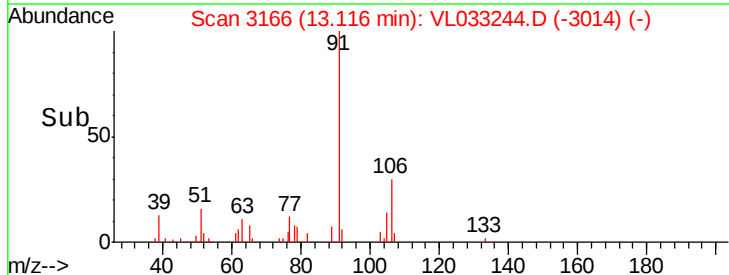
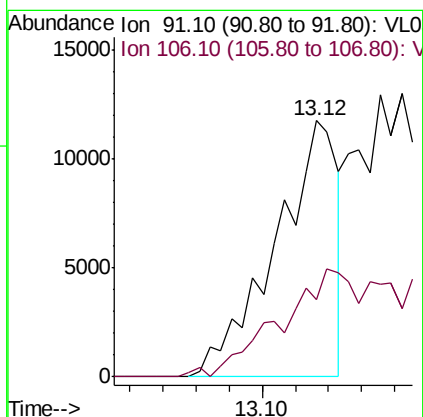
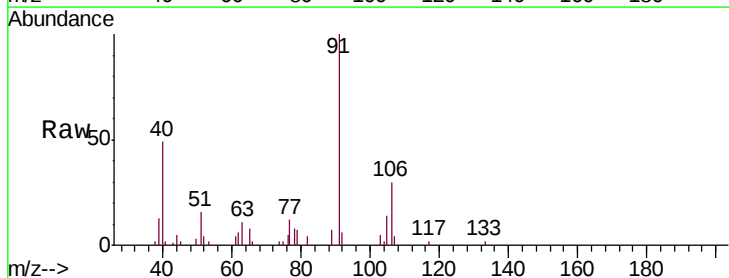
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.069 ppbv
 RT: 12.28 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

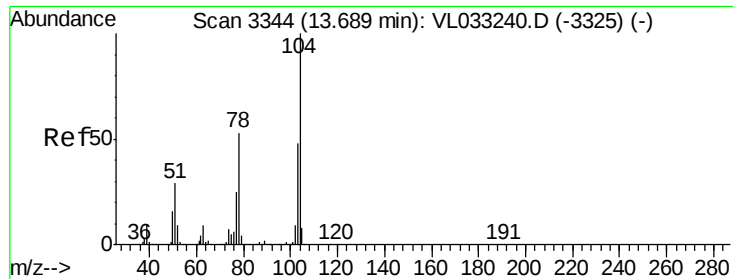
Tgt Ion: 131 Resp: 7081
 Ion Ratio Lower Upper
 131 100
 133 136.7 76.2 114.2#
 119 0.0 108.9 163.3#



#59
 m/p-Xylene
 Concen: 0.051 ppbv
 RT: 13.12 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

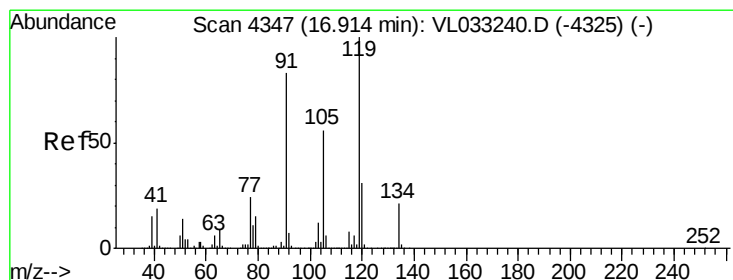
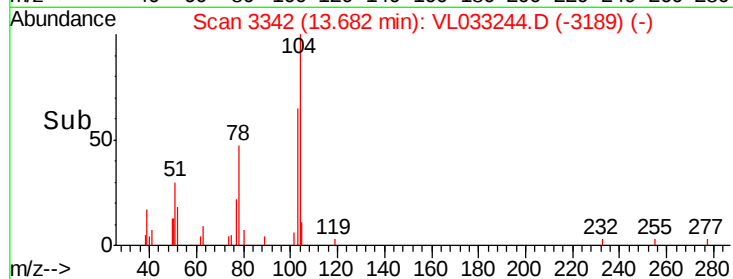
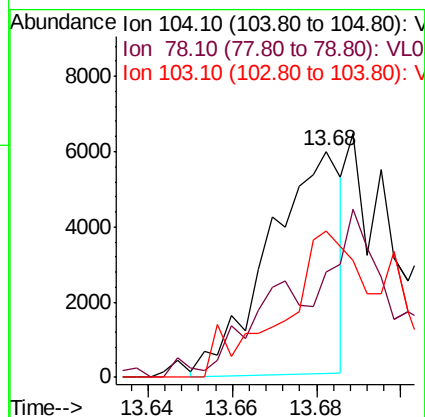
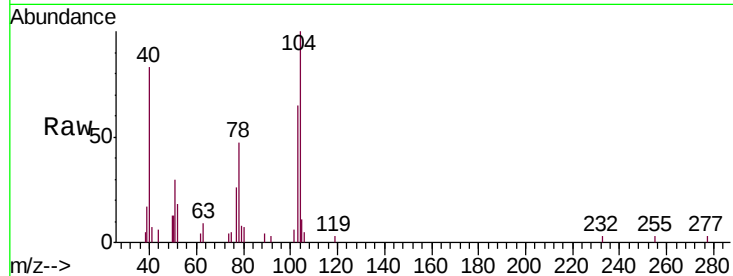
Tgt Ion: 91 Resp: 15260
 Ion Ratio Lower Upper
 91 100
 106 71.2 35.6 53.4#





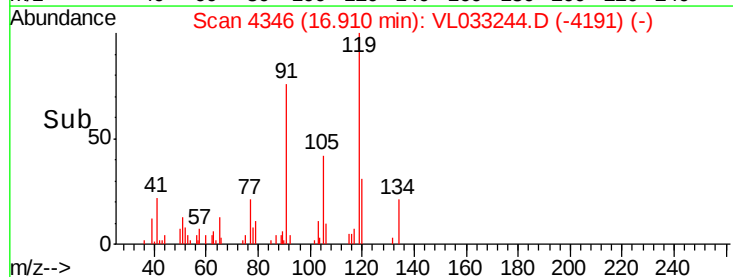
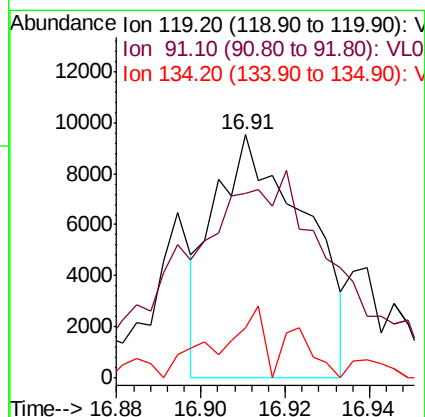
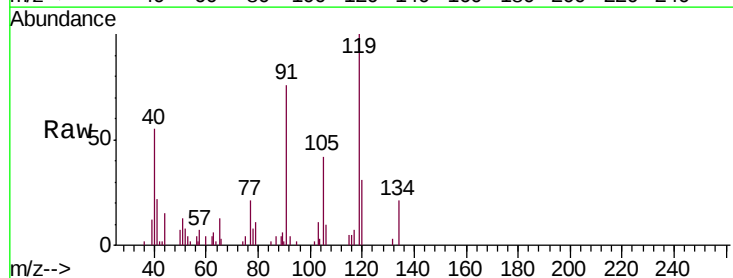
#61
Styrene
Concen: 0.032 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033244.D
Acq: 6 Mar 2019 4:33

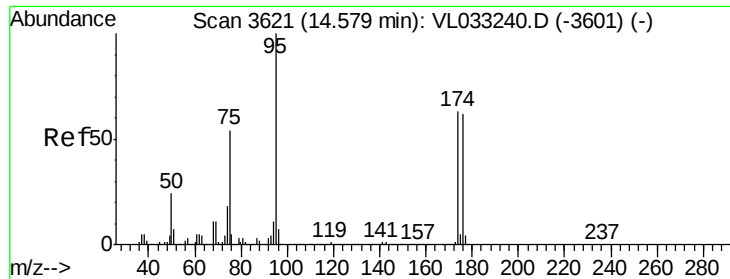
Tgt Ion:104 Resp: 7028
Ion Ratio Lower Upper
104 100
78 0.0 43.7 65.5#
103 97.3 38.2 57.2#



#65
tert-Butylbenzene
Concen: 0.040 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033244.D
Acq: 6 Mar 2019 4:33

Tgt Ion:119 Resp: 14265
Ion Ratio Lower Upper
119 100
91 0.0 67.0 100.4#
134 16.9 15.4 23.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.172 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

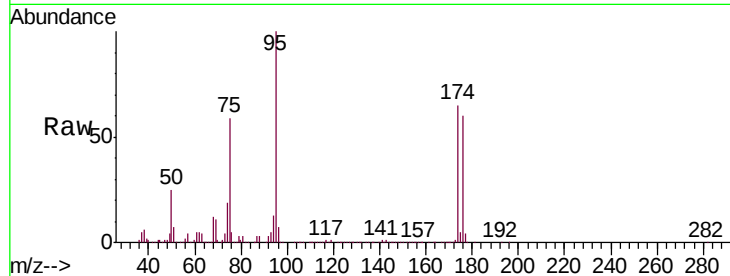
Tgt Ion: 95 Resp: 1736732

Ion Ratio Lower Upper

95 100

174 63.5 51.0 76.4

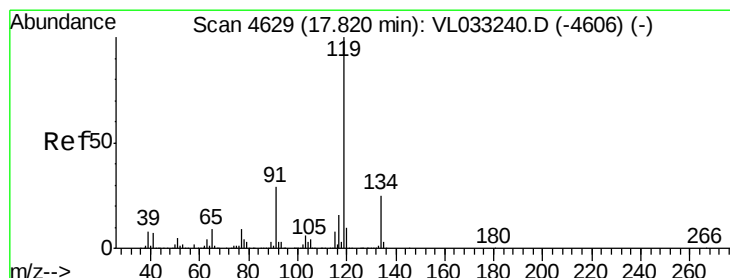
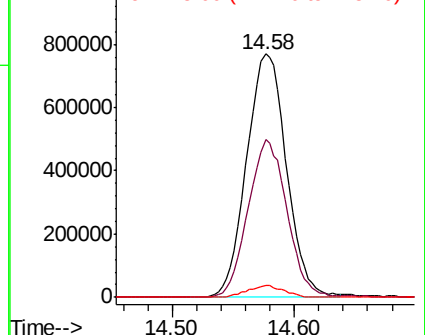
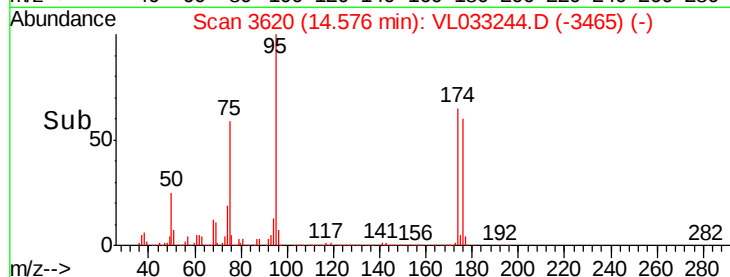
175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL033244.D (-3601) (-)

Ion 174.00 (173.70 to 174.70): VL033244.D (-3601) (-)

Ion 175.00 (174.70 to 175.70): VL033244.D (-3601) (-)



#69

p-Isopropyltoluene

Concen: 0.055 ppbv

RT: 17.82 min Scan# 4629

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

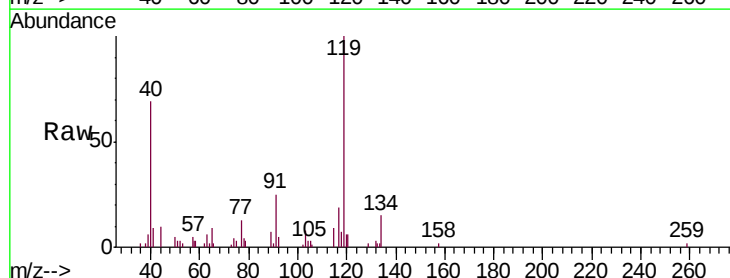
Tgt Ion: 119 Resp: 23717

Ion Ratio Lower Upper

119 100

134 26.7 19.9 29.9

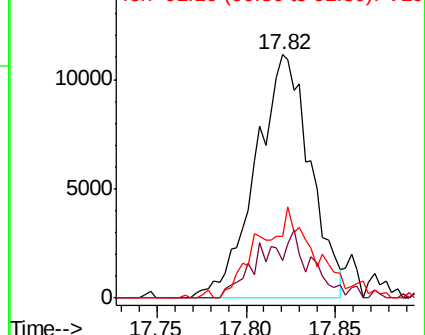
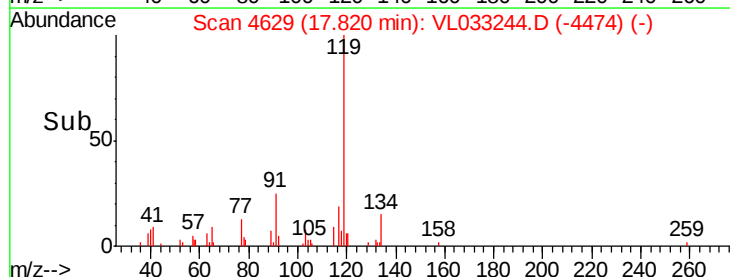
91 39.7 23.9 35.9#

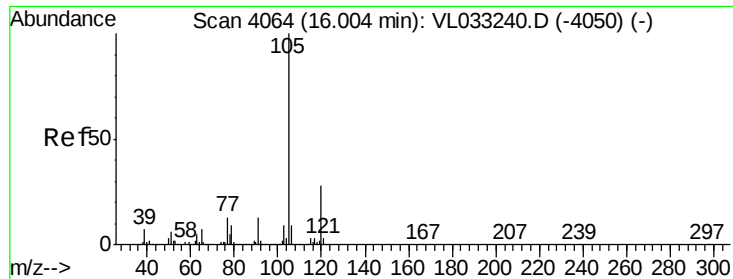


Abundance Ion 119.10 (118.80 to 119.80): VL033244.D (-4606) (-)

Ion 134.20 (133.90 to 134.90): VL033244.D (-4606) (-)

Ion 91.10 (90.80 to 91.80): VL033244.D (-4606) (-)





#72

4-Ethyltoluene

Concen: 0.057 ppbv

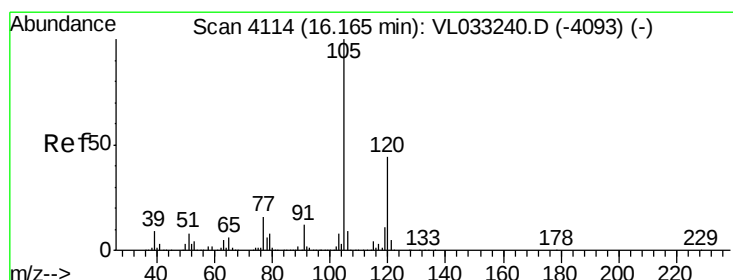
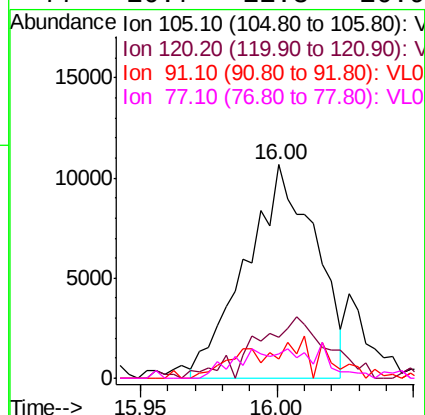
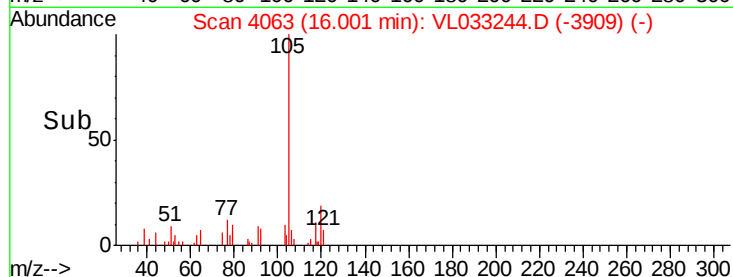
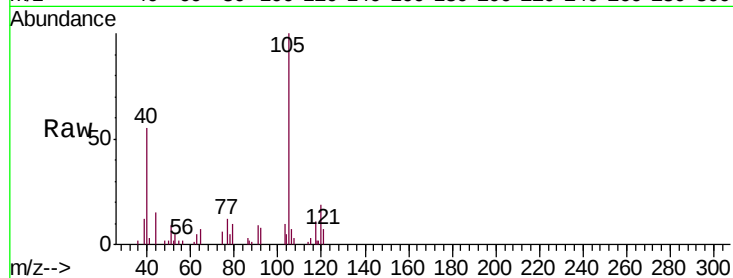
RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

Tgt Ion:	105	Resp:	18897
Ion Ratio	Lower	Upper	
105	100		
120	31.7	22.3	33.5
91	20.2	10.3	15.5
77	16.7	11.3	16.9



#73

1,3,5-Trimethylbenzene

Concen: 0.033 ppbv

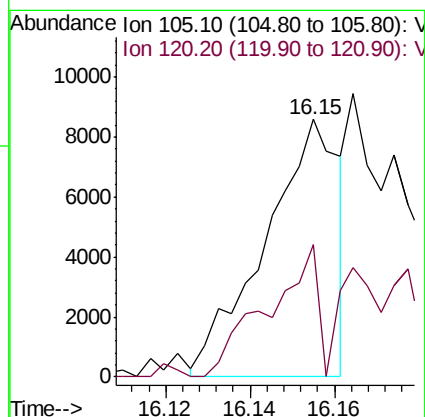
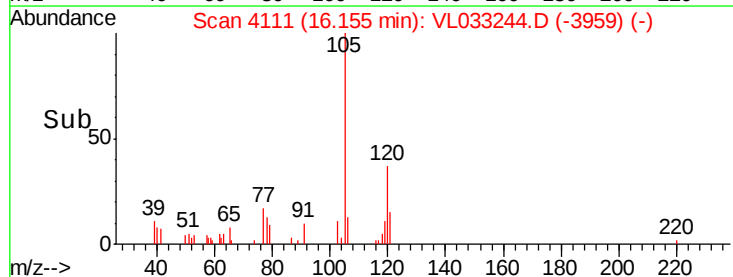
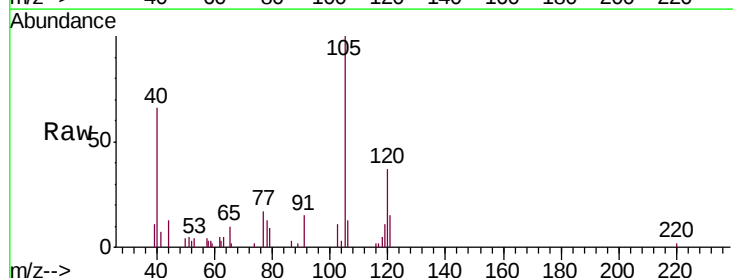
RT: 16.15 min Scan# 4111

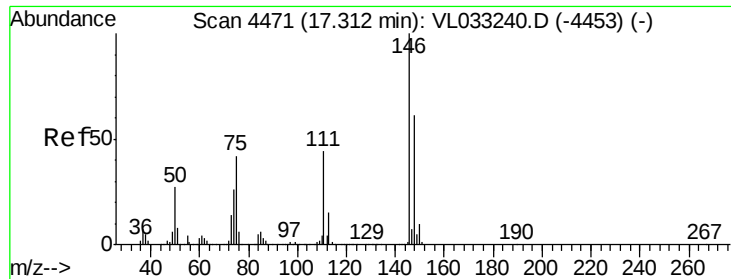
Delta R.T. -0.01 min

Lab File: VL033244.D

Acq: 6 Mar 2019 4:33

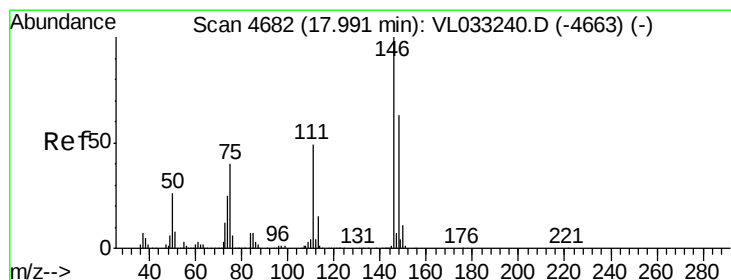
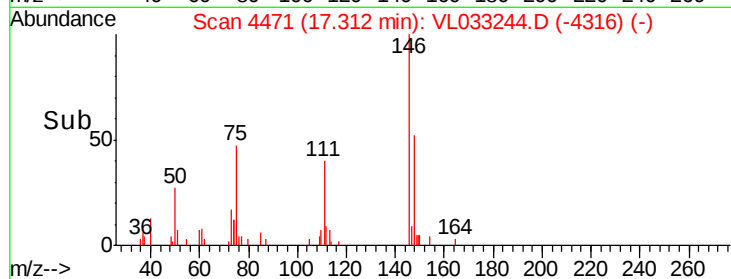
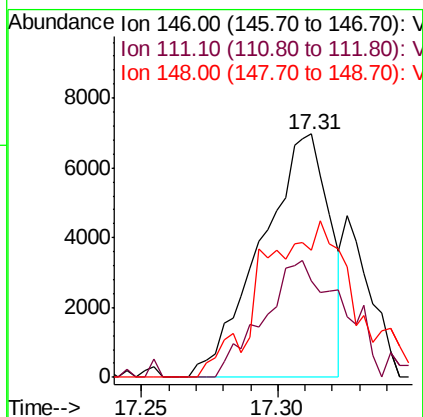
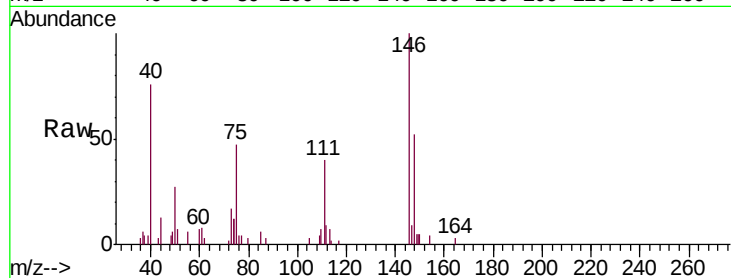
Tgt Ion:	105	Resp:	10463
Ion Ratio	Lower	Upper	
105	100		
120	52.9	35.0	52.6





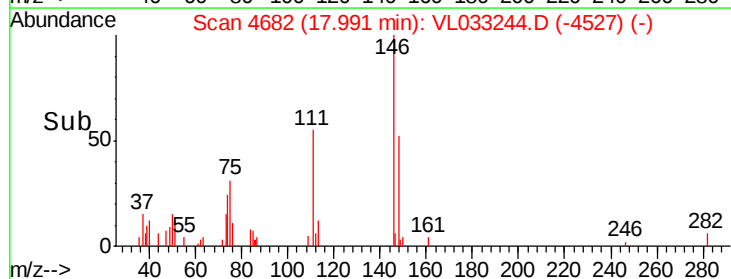
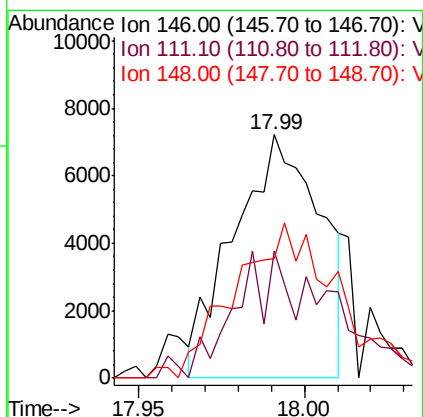
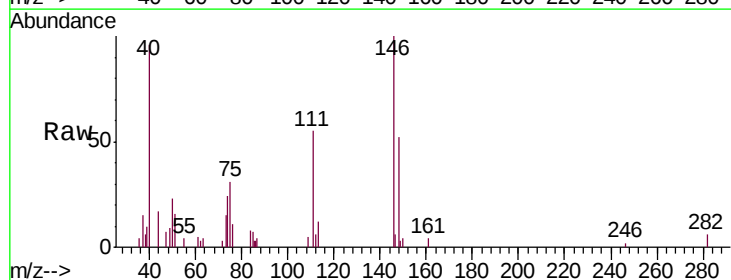
#76
 1,4-Dichlorobenzene
 Concen: 0.064 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

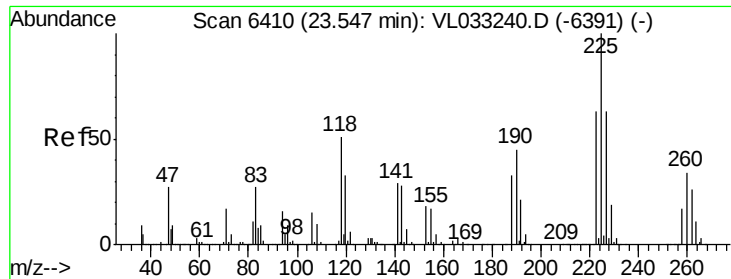
Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.6	22.4	67.3
148	90.3	32.1	96.3



#77
 1,2-Dichlorobenzene
 Concen: 0.070 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.4	23.6	71.0
148	77.7	32.3	96.9





#78
 Hexachloro-1,3-Butadiene
 Concen: 0.040 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033244.D
 Acq: 6 Mar 2019 4:33

Tgt Ion: 225 Resp: 4010
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.9 76.3#
 227 0.0 50.7 76.1#

