

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033200.D
 Acq On : 14 Feb 2019 14:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 08:19:41 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	908025	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2095705	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2248676	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1735686	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1227394	7.070 ppbv	96
3) Chlorodifluoromethane	3.01	51	1176340	10.759 ppbv	97
4) Chloromethane	3.17	50	625238	10.830 ppbv	94
5) Vinyl Chloride	3.29	62	606162	10.056 ppbv	99
6) Bromomethane	3.51	94	358877	10.832 ppbv	95
7) Chloroethane	3.60	64	215315	10.926 ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	1386616	10.213 ppbv	98
9) Propene	3.03	41	540384	10.231 ppbv	99
10) Heptane	8.25	43	1332676	8.340 ppbv	99
11) Trichlorofluoromethane	4.00	101	1514223	10.774 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	985698	10.120 ppbv	100
13) Ethanol	3.64	45	128734	7.172 ppbv	99
14) Bromoethene	3.78	108	440361	10.485 ppbv	97
15) Acetone	3.89	43	1016773	9.939 ppbv	100
16) 1,3-Butadiene	3.36	39	484426	9.976 ppbv	92
17) tert-Butyl alcohol	4.35	59	228163	11.611 ppbv	96
18) 1,1-Dichloroethene	4.35	96	463318	10.626 ppbv	92
19) Isopropyl Alcohol	4.02	45	793255	11.433 ppbv	100
20) Methylene Chloride	4.40	84	393934	9.681 ppbv	98
21) Allyl Chloride	4.47	41	718893	10.643 ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	456477	10.780 ppbv	98
23) Vinyl Acetate	5.15	43	1891032	10.666 ppbv	99
24) 1,1-Dichloroethane	5.09	63	1282505	10.227 ppbv	98
25) Ethyl Acetate	5.76	43	2177201	9.465 ppbv	100
26) Hexane	5.78	57	993652	9.202 ppbv	99
27) Carbon Disulfide	4.62	76	1089948	11.018 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1513959	10.260 ppbv	100
29) Chloroform	5.85	83	1583346m	9.568 ppbv	
30) Cyclohexane	7.24	84	850792	8.492 ppbv	95
31) cis-1,2-Dichloroethene	5.64	61	1055668	9.768 ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1540087	8.452 ppbv	97
34) 2-Butanone	5.32	43	1498308	11.271 ppbv	99
35) Carbon Tetrachloride	7.13	117	1576130	9.848 ppbv	90
36) Benzene	7.00	78	2047020	9.638 ppbv	# 95
37) 1,2-Dichloroethane	6.41	62	1268057	10.773 ppbv	100
38) Trichloroethene	7.96	130	763676	8.414 ppbv	95
39) 1,2-Dichloropropane	7.73	63	794916	9.477 ppbv	95
40) 1,4-Dioxane	7.95	88	300268	10.082 ppbv	87
41) Tetrahydrofuran	6.14	42	849073	10.332 ppbv	97
42) Bromodichloromethane	7.92	83	1782801	10.452 ppbv	99
43) Methyl Methacrylate	8.14	69	866422	10.161 ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 2019

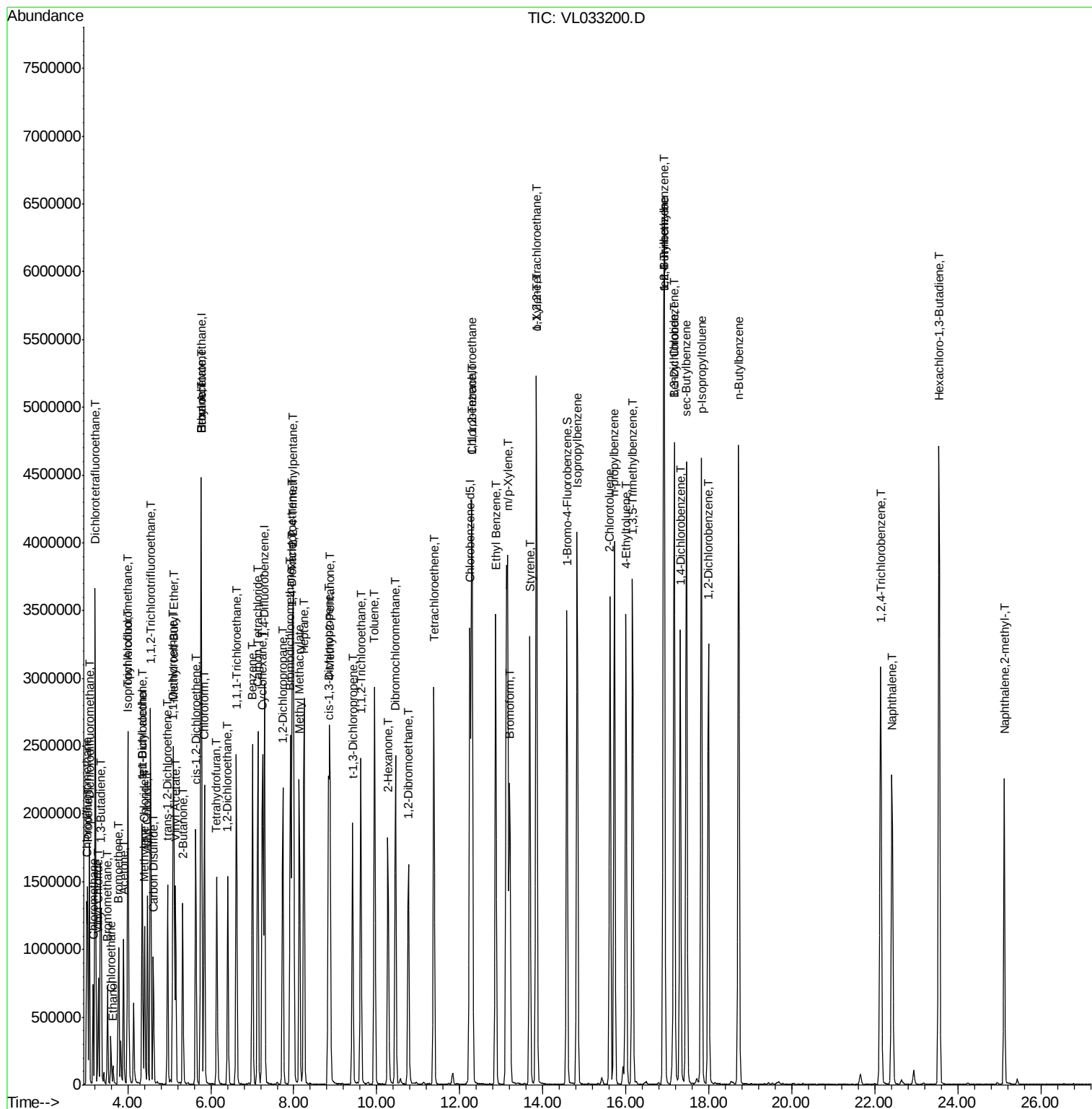
Response via : Initial Calibration

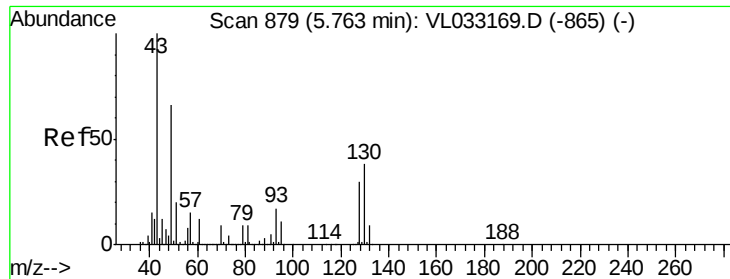
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3488002	9.691	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1153981	12.221	ppbv	95
46) cis-1,3-Dichloropropene	8.83	75	1307511	10.836	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	852986	9.806	ppbv	95
48) Dibromochloromethane	10.45	129	1525234	11.130	ppbv	95
49) Bromoform	13.21	173	1282947	10.880	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2162048	10.143	ppbv	98
51) 2-Hexanone	10.26	43	1722875m	10.251	ppbv	
52) Tetrachloroethene	11.37	164	740396	9.073	ppbv	97
53) Toluene	9.95	91	2421297	9.627	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1395089	10.220	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.28	131	1001652	9.564	ppbv	98
57) Chlorobenzene	12.30	112	1713989	8.614	ppbv	99
58) Ethyl Benzene	12.86	91	3319280	8.993	ppbv	98
59) m/p-Xylene	13.15	91	5519780m	17.978	ppbv	
60) o-Xylene	13.85	91	2634077	8.798	ppbv	99
61) Styrene	13.69	104	2016982	8.924	ppbv	99
62) Isopropylbenzene	14.83	105	3738530	8.850	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1834807	7.850	ppbv	99
64) n-propylbenzene	15.72	120	950958	8.855	ppbv	97
65) tert-Butylbenzene	16.91	119	3237665	8.802	ppbv	98
66) Benzyl Chloride	17.16	91	1637750	12.459	ppbv	99
67) sec-Butylbenzene	17.46	105	4720618	8.841	ppbv	99
69) p-Isopropyltoluene	17.82	119	3862461	8.686	ppbv	99
70) n-Butylbenzene	18.71	91	4144817	8.639	ppbv	100
71) 2-Chlorotoluene	15.62	91	2922047	8.805	ppbv	100
72) 4-Ethyltoluene	16.00	105	3111395	9.011	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2980832	9.026	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2990646	8.731	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1726349	8.739	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1748917	8.935	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1731794	8.871	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1233553	12.708	ppbv	100
79) Naphthalene	22.42	128	3016264	8.194	ppbv	97
80) Naphthalene, 2-methyl-	25.12	142	1260216	6.769	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1504246	8.045	ppbv	100

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

```
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Sample    : VSTDCCC010  
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ALS Vial  : 1    Sample Multiplier: 1
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Quant Time: Feb 20 08:19:41 2019
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Qlast Update : Wed Feb 20 06:00:52 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

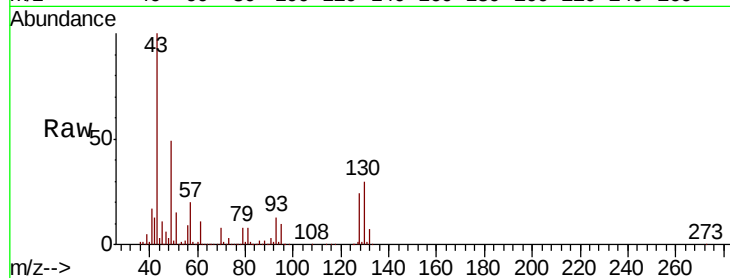
Tot Ion: 49 Resp: 908025

Ion	Ratio	Lower	Upper
49	100		
128	48.3	23.6	71.0
130	60.3	30.3	91.0

49 100

128 48.3 23.6 71.0

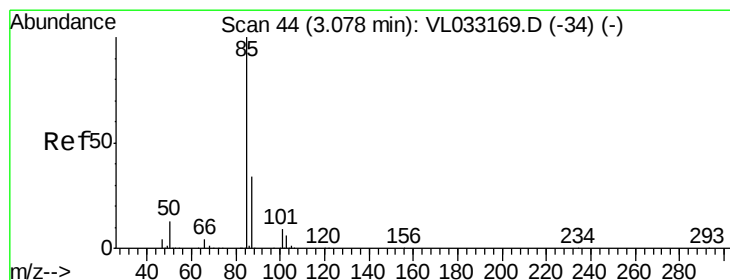
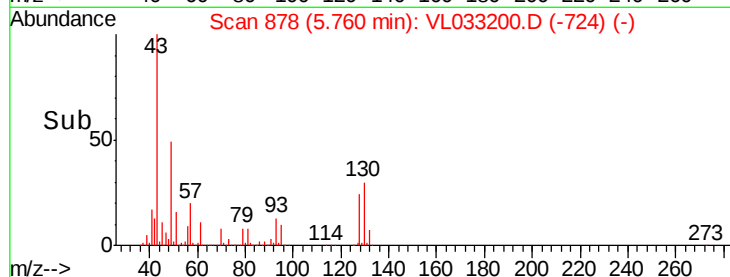
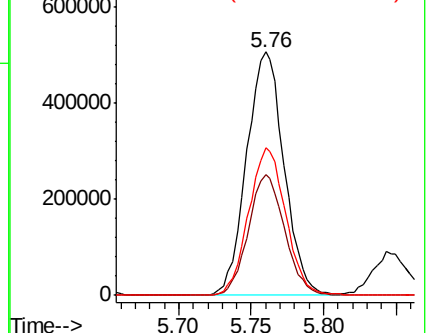
130 60.3 30.3 91.0



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: 7.070 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033200.D

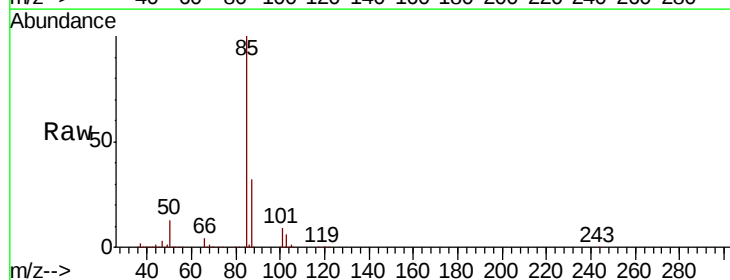
Acq: 14 Feb 2019 14:49

Tgt Ion: 85 Resp: 1227394

Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.4	41.2

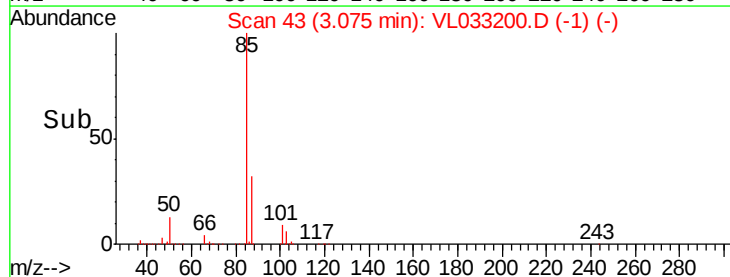
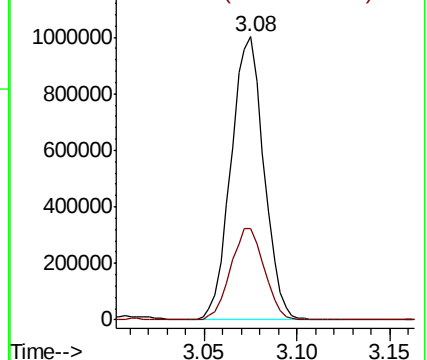
85 100

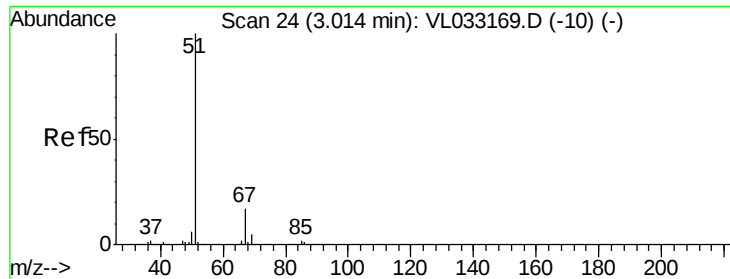
87 32.1 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.759 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033200.D

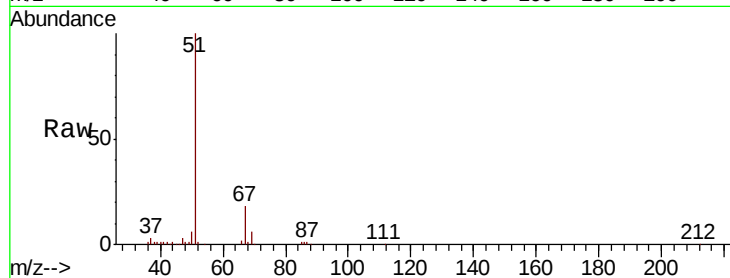
Acq: 14 Feb 2019 14:49

Tot Ion: 51 Resp: 1176340

Ion Ratio Lower Upper

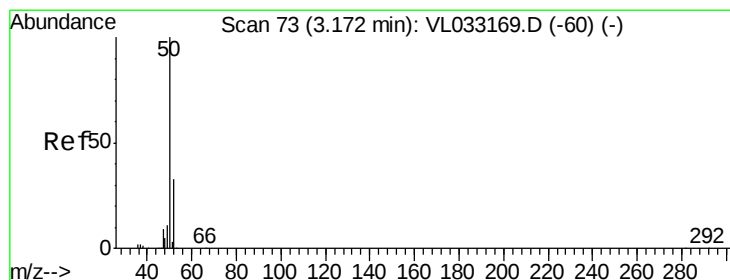
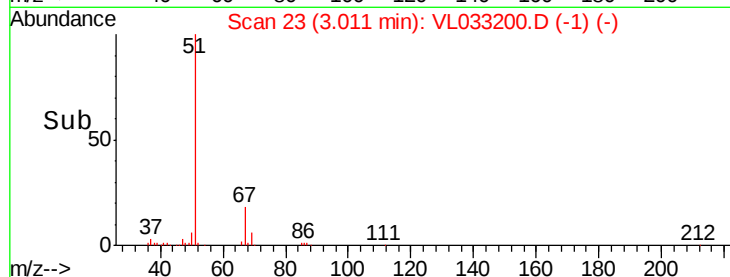
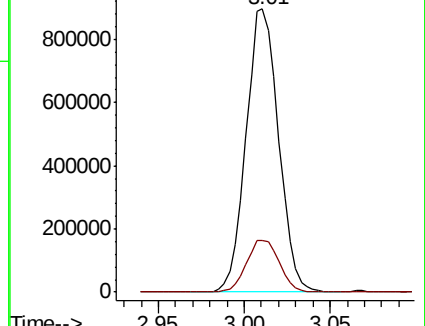
51 100

67 18.8 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: 10.830 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033200.D

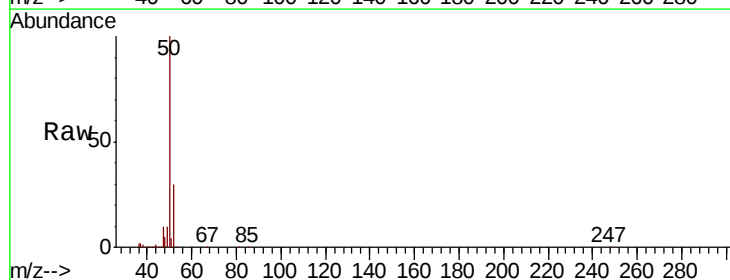
Acq: 14 Feb 2019 14:49

Tgt Ion: 50 Resp: 625238

Ion Ratio Lower Upper

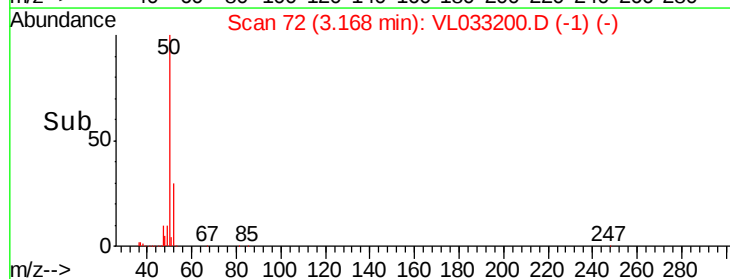
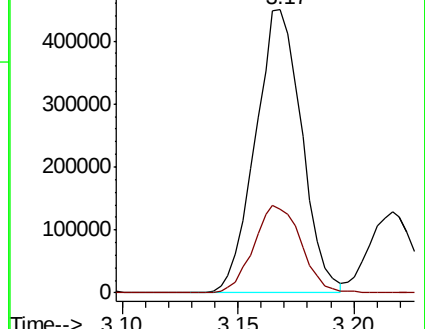
50 100

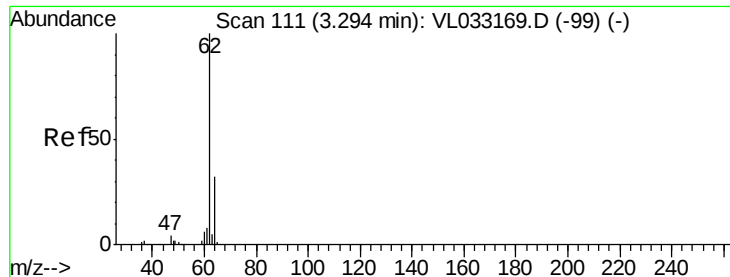
52 29.5 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.056 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033200.D

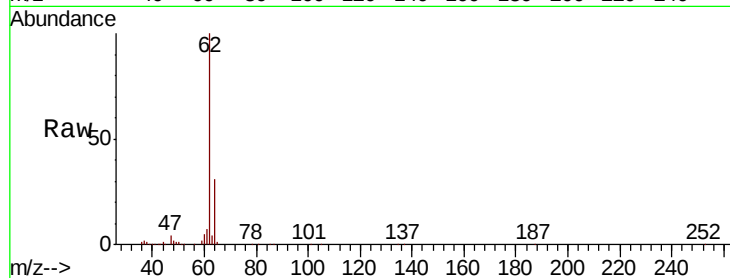
Acq: 14 Feb 2019 14:49

Tot Ion: 62 Resp: 606162

Ion Ratio Lower Upper

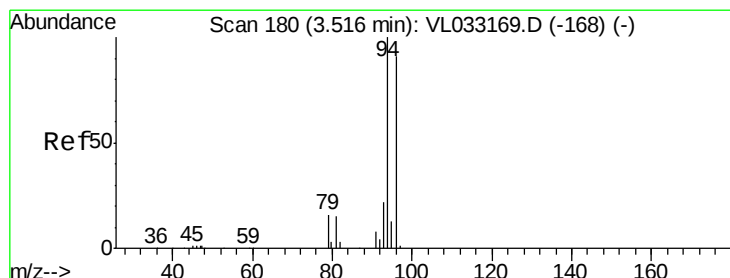
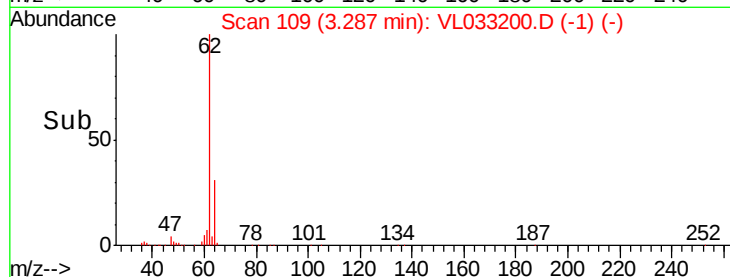
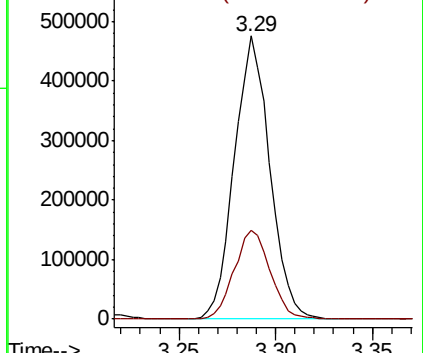
62 100

64 31.2 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.832 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033200.D

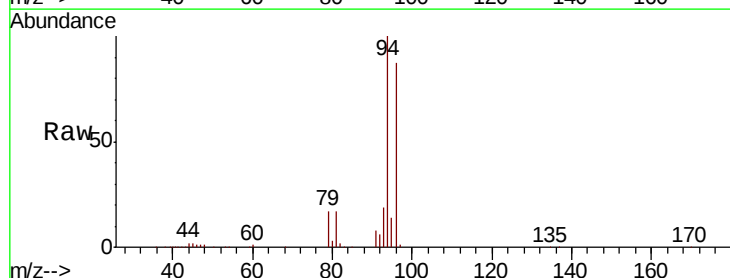
Acq: 14 Feb 2019 14:49

Tgt Ion: 94 Resp: 358877

Ion Ratio Lower Upper

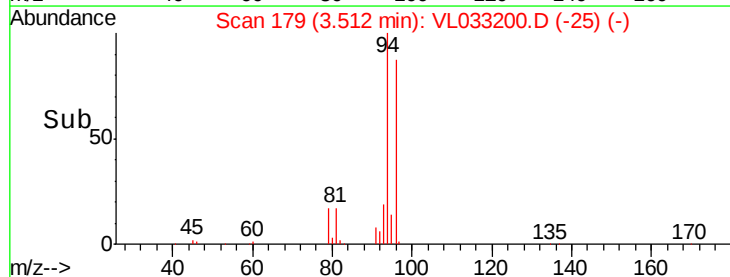
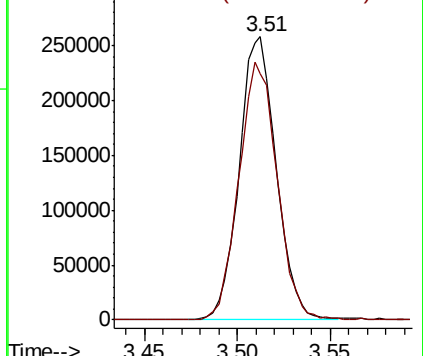
94 100

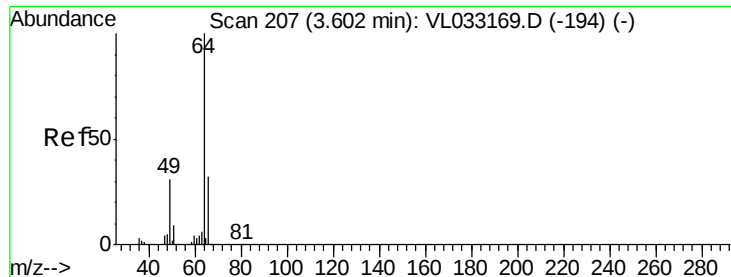
96 86.9 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.926 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033200.D

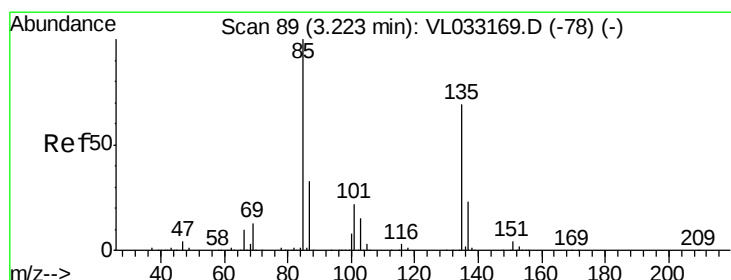
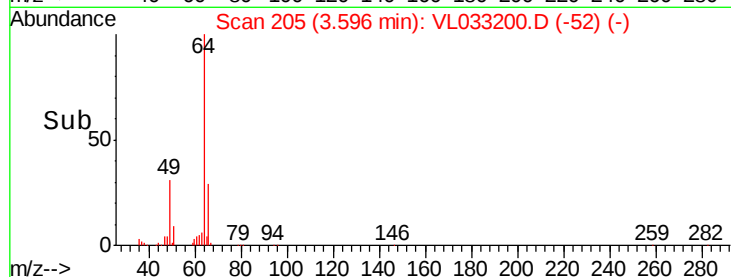
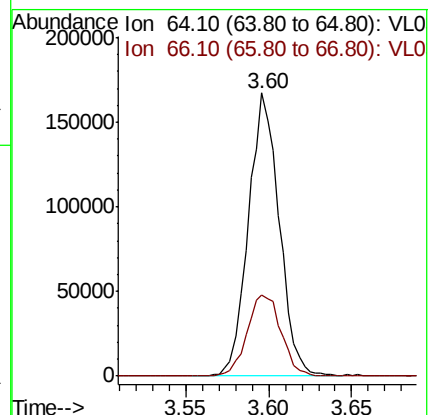
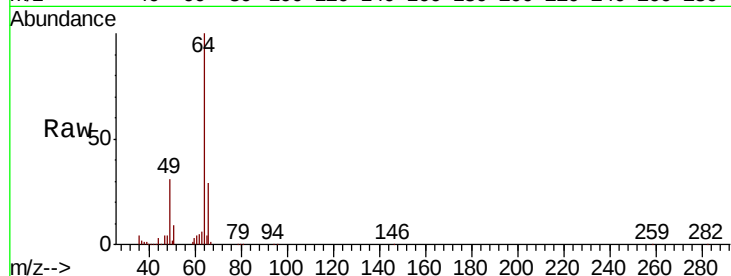
Acq: 14 Feb 2019 14:49

Tot Ion: 64 Resp: 215315

Ion Ratio Lower Upper

64 100

66 28.7 26.0 39.0



#8

Dichlorotetrafluoroethane

Concen: 10.213 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033200.D

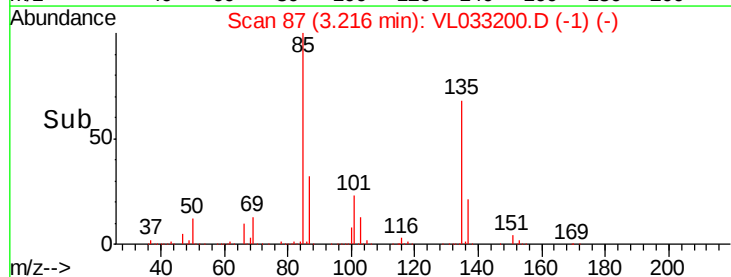
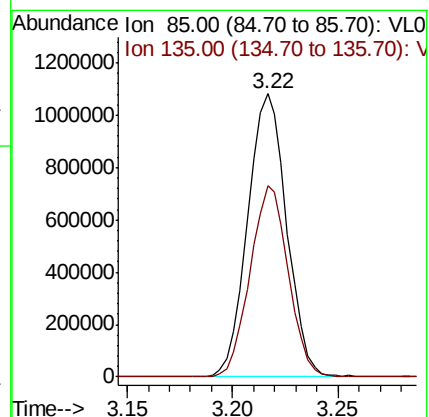
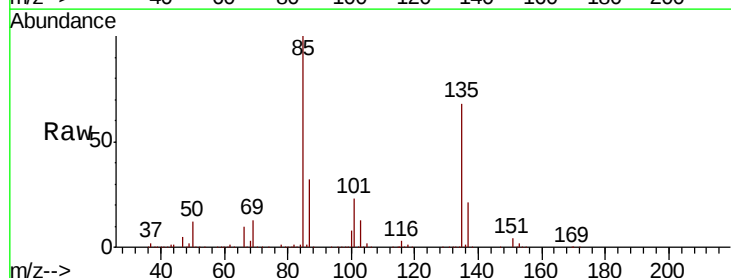
Acq: 14 Feb 2019 14:49

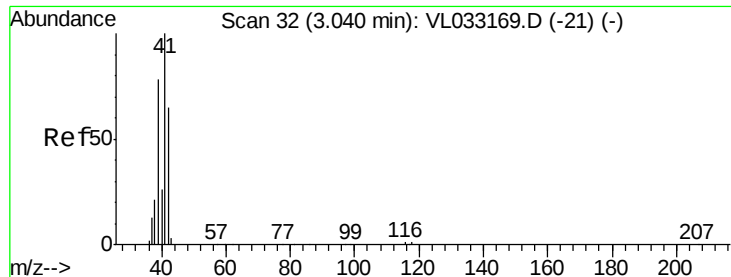
Tgt Ion: 85 Resp: 1386616

Ion Ratio Lower Upper

85 100

135 66.6 54.3 81.5





#9

Propene

Concen: 10.231 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL033200.D

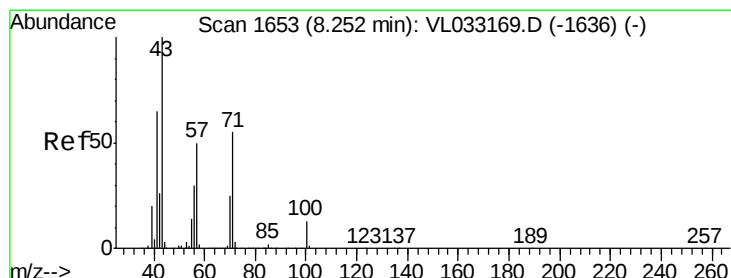
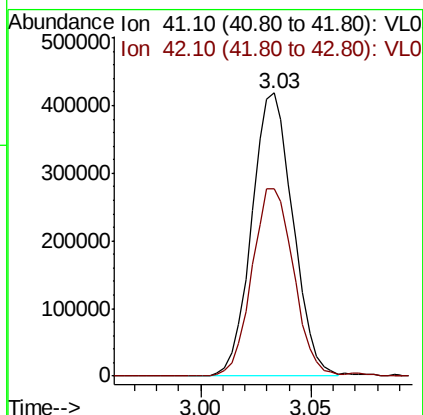
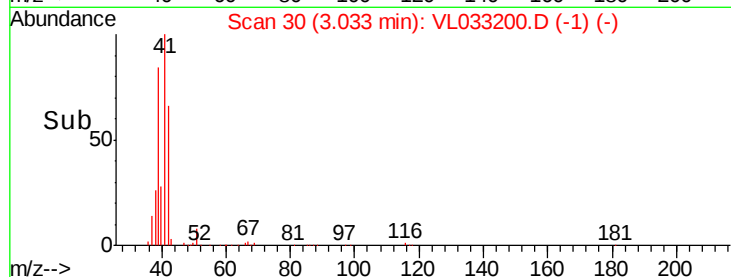
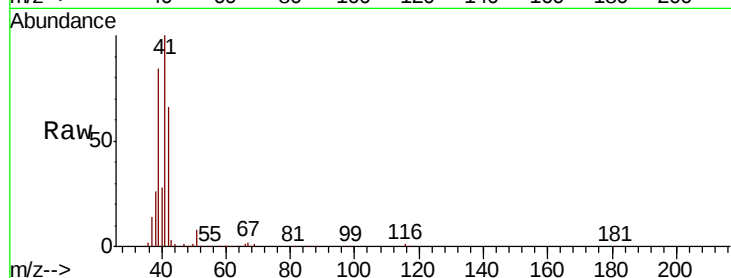
Acq: 14 Feb 2019 14:49

Tot Ion: 41 Resp: 540384

Ion Ratio Lower Upper

41 100

42 67.7 55.0 82.6



#10

Heptane

Concen: 8.340 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033200.D

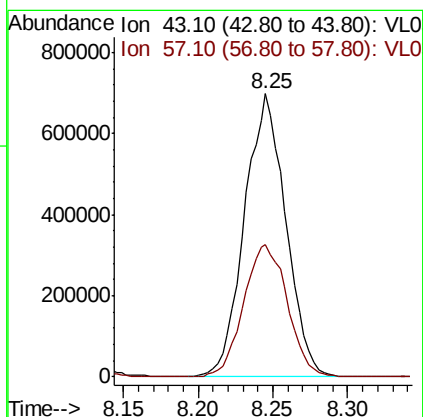
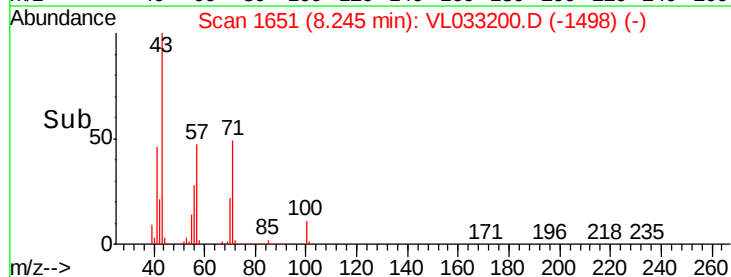
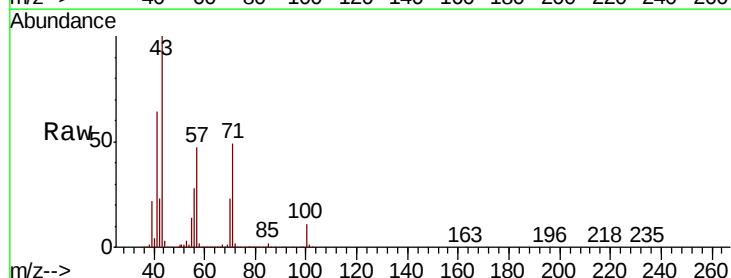
Acq: 14 Feb 2019 14:49

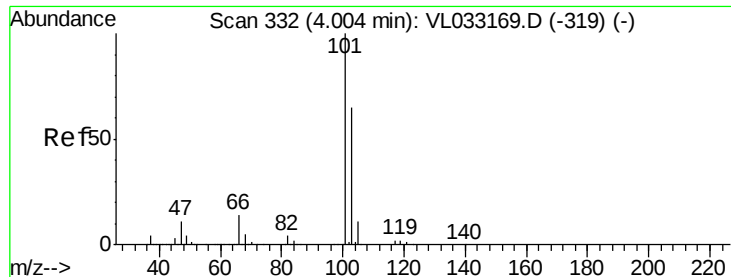
Tgt Ion: 43 Resp: 1332676

Ion Ratio Lower Upper

43 100

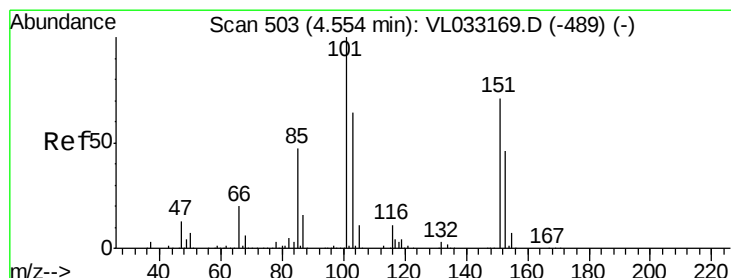
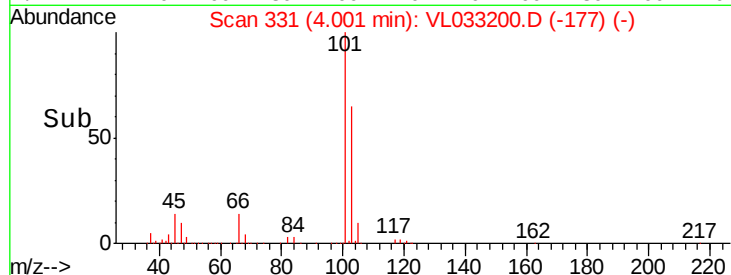
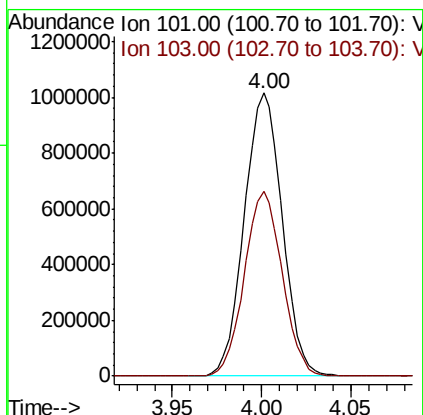
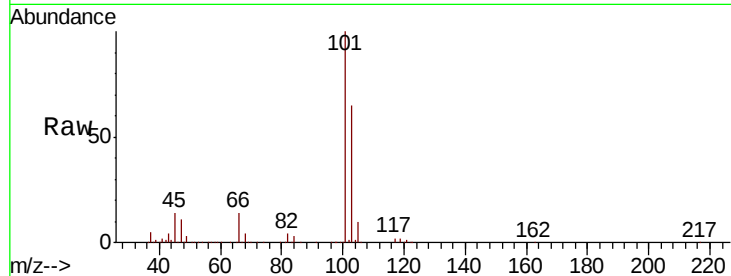
57 49.8 39.5 59.3





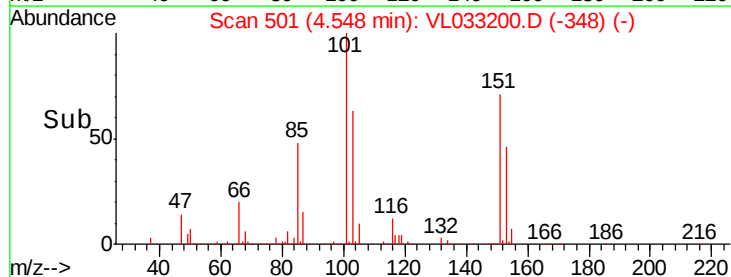
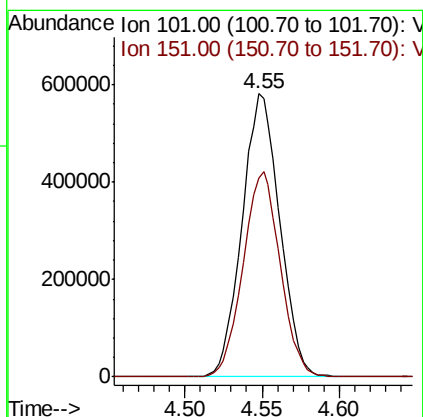
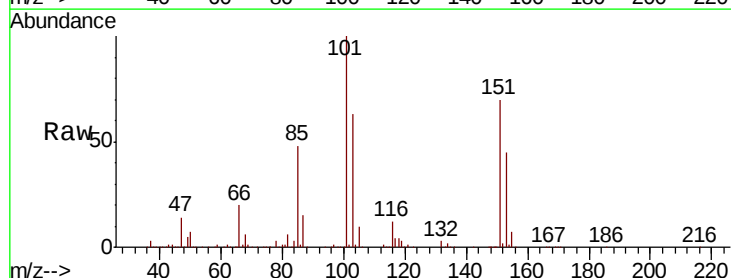
#11
 Trichlorofluoromethane
 Concen: 10.774 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

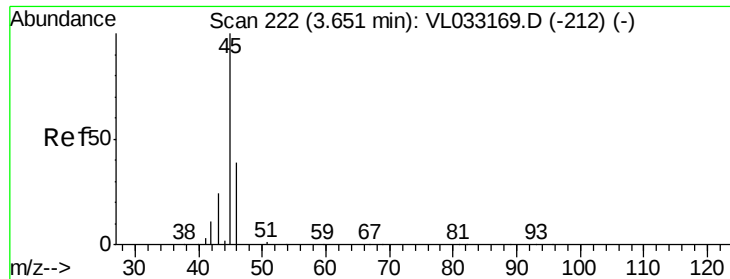
Tot Ion:101 Resp: 1514223
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.120 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

Tgt Ion:101 Resp: 985698
 Ion Ratio Lower Upper
 101 100
 151 71.7 57.4 86.0





#13

Ethanol

Concen: 7.172 ppbv

RT: 3.64 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL033200.D

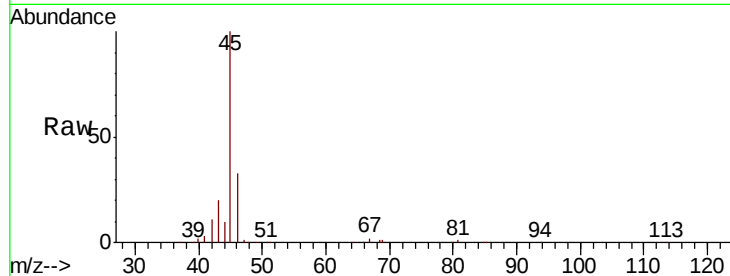
Acq: 14 Feb 2019 14:49

Tot Ion: 45 Resp: 128734

Ion Ratio Lower Upper

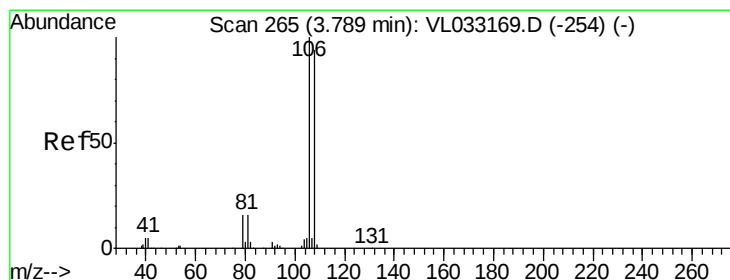
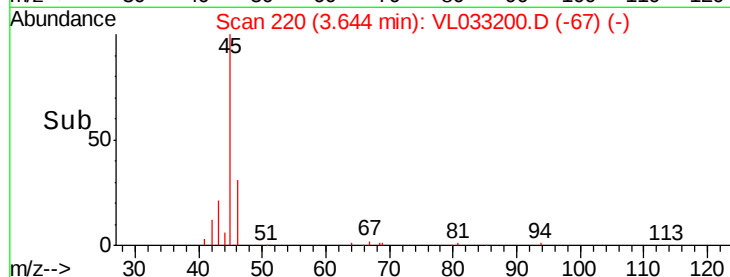
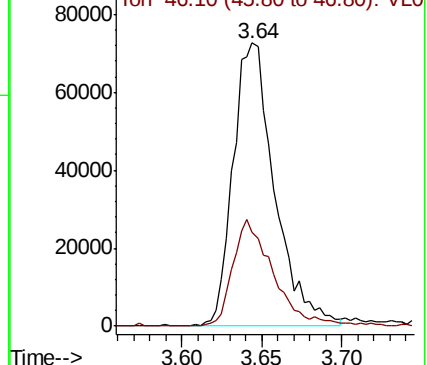
45 100

46 37.3 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.485 ppbv

RT: 3.78 min Scan# 263

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

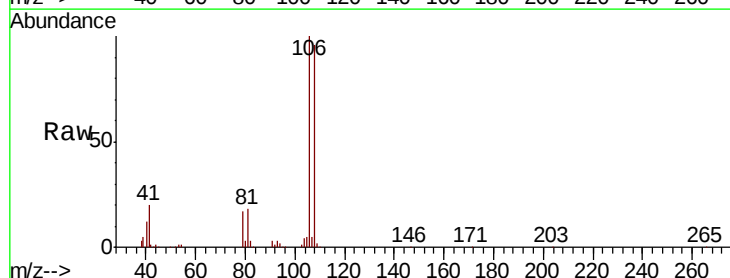
Tgt Ion: 108 Resp: 440361

Ion Ratio Lower Upper

108 100

106 111.2 86.0 129.0

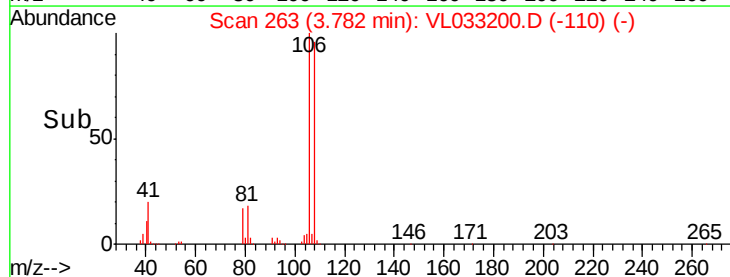
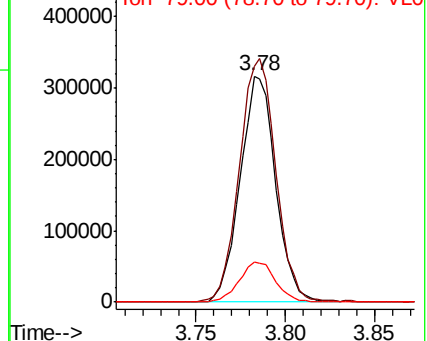
79 18.4 14.5 21.7

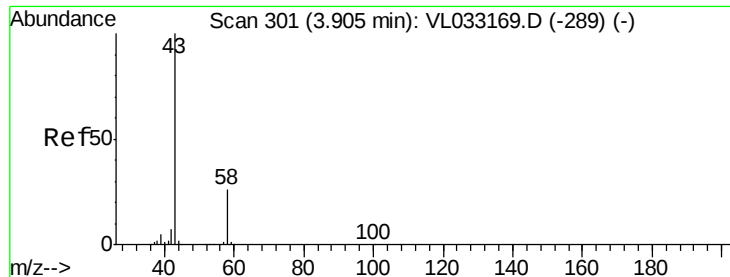


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.939 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.01 min

Lab File: VL033200.D

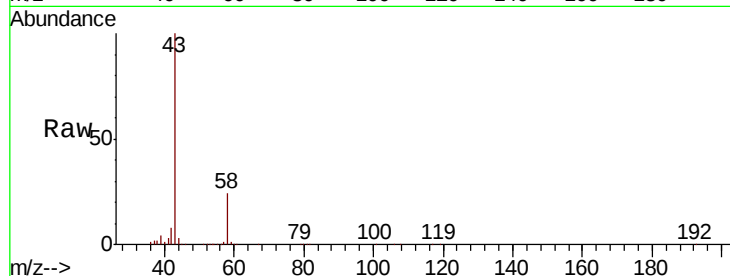
Acq: 14 Feb 2019 14:49

Tot Ion: 43 Resp: 1016773

Ion Ratio Lower Upper

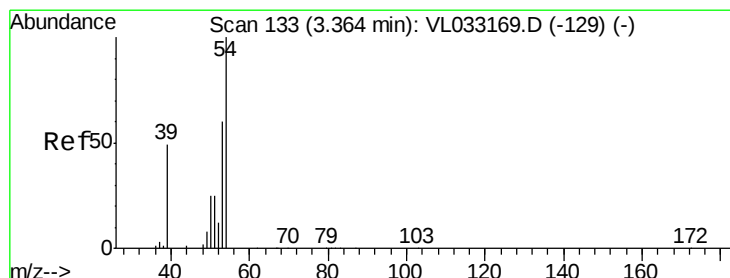
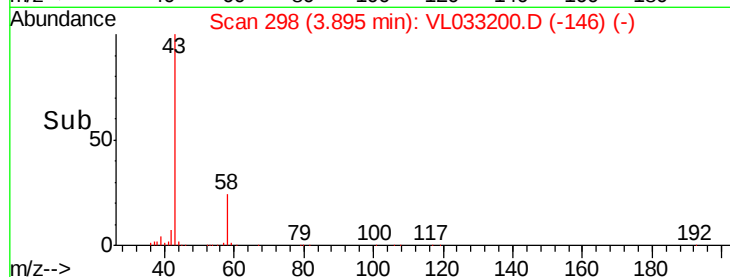
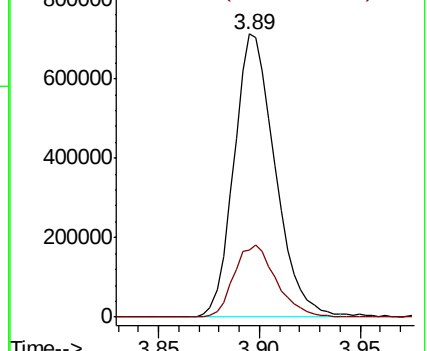
43 100

58 26.4 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: 9.976 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL033200.D

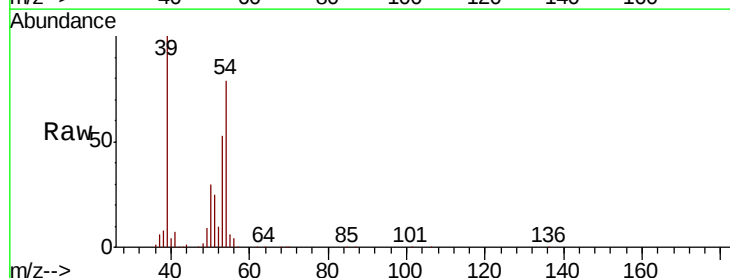
Acq: 14 Feb 2019 14:49

Tgt Ion: 39 Resp: 484426

Ion Ratio Lower Upper

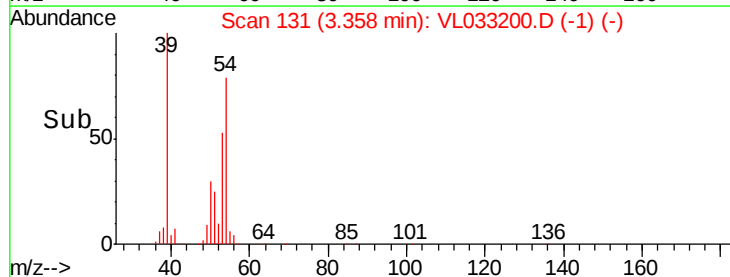
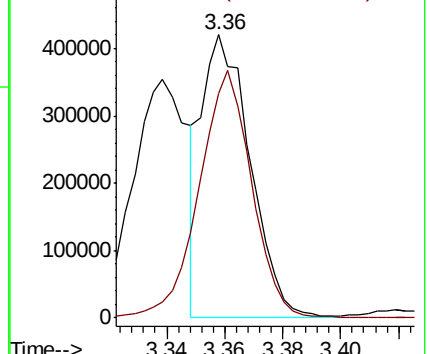
39 100

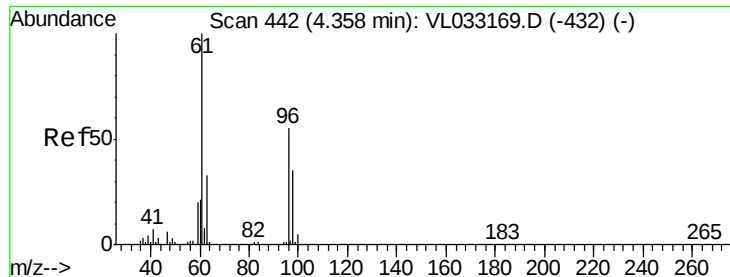
54 96.5 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.611 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.01 min

Lab File: VL033200.D

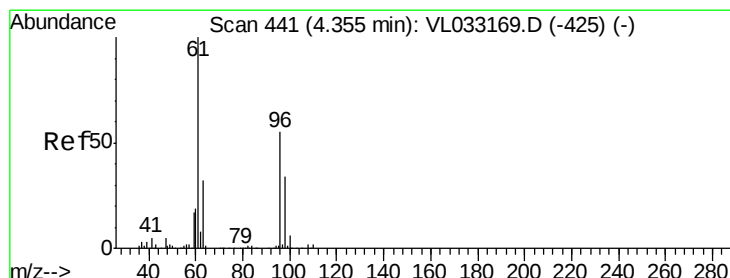
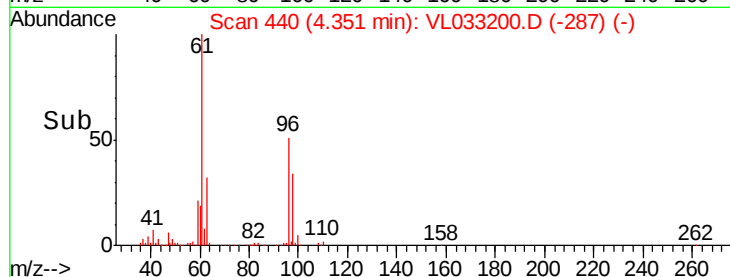
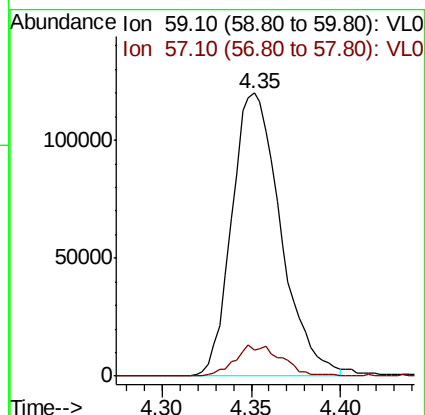
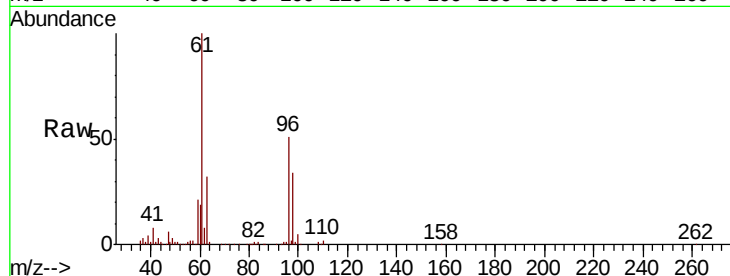
Acq: 14 Feb 2019 14:49

Tot Ion: 59 Resp: 228163

Ion Ratio Lower Upper

59 100

57 10.8 7.6 11.4



#18

1,1-Dichloroethene

Concen: 10.626 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

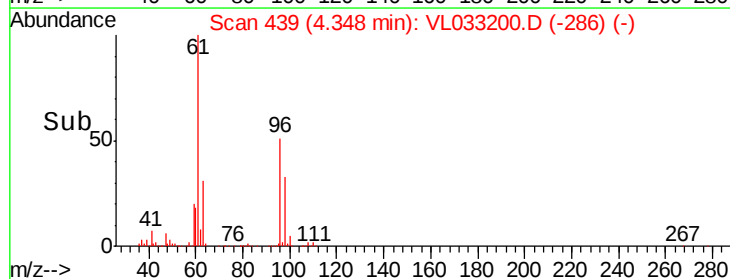
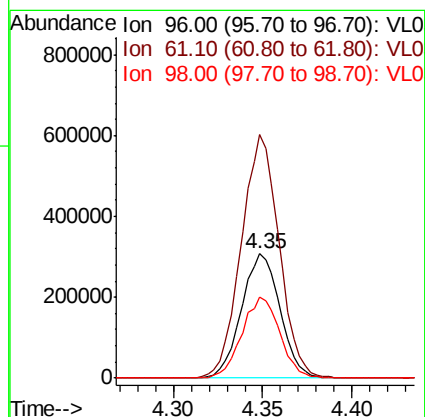
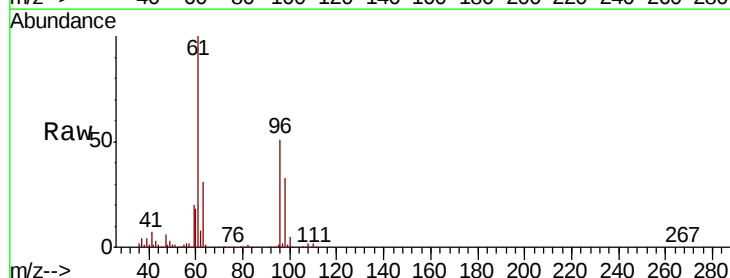
Tgt Ion: 96 Resp: 463318

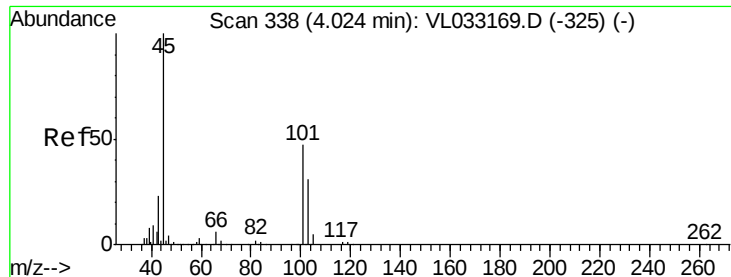
Ion Ratio Lower Upper

96 100

61 195.8 145.0 217.6

98 65.3 50.0 75.0





#19

Isopropyl Alcohol

Concen: 11.433 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.01 min

Lab File: VL033200.D

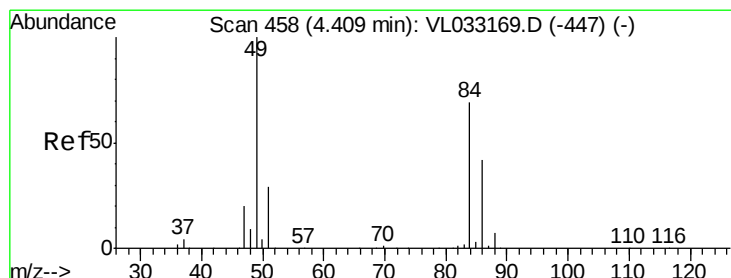
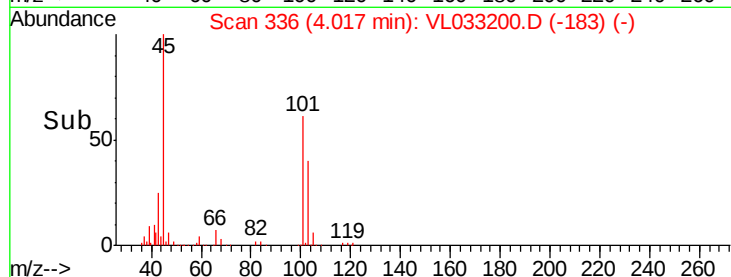
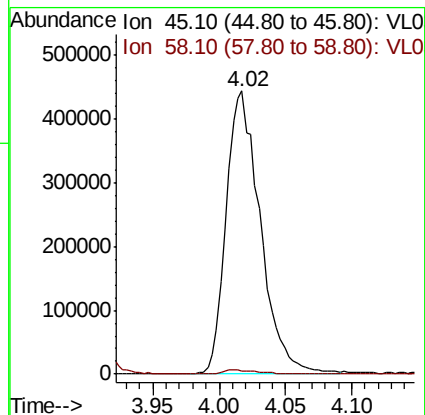
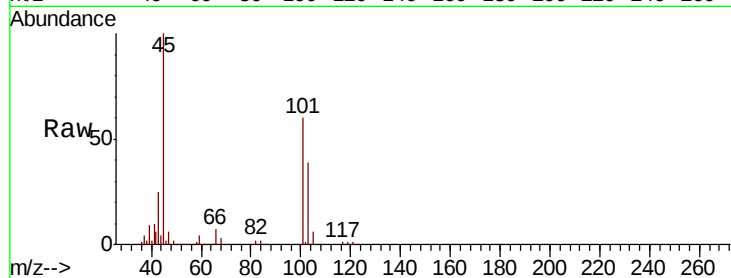
Acq: 14 Feb 2019 14:49

Tot Ion: 45 Resp: 793255

Ion Ratio Lower Upper

45 100

58 1.8 1.5 2.3



#20

Methylene Chloride

Concen: 9.681 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 84 Resp: 393934

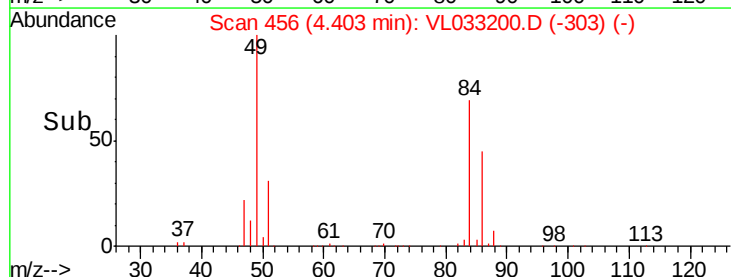
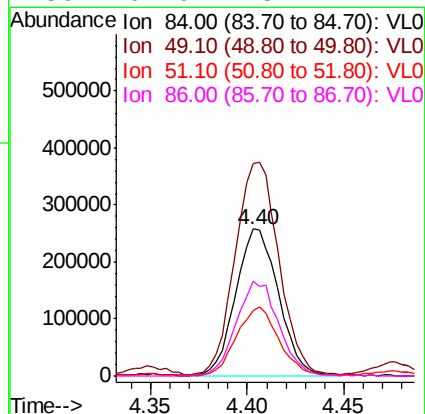
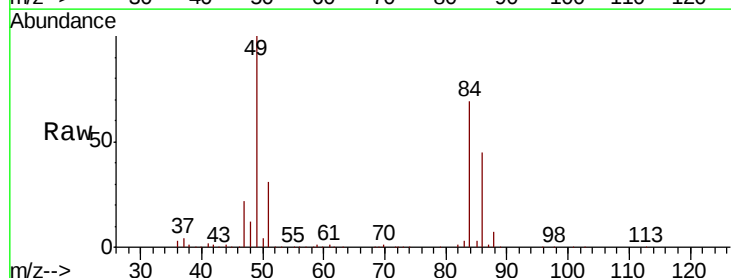
Ion Ratio Lower Upper

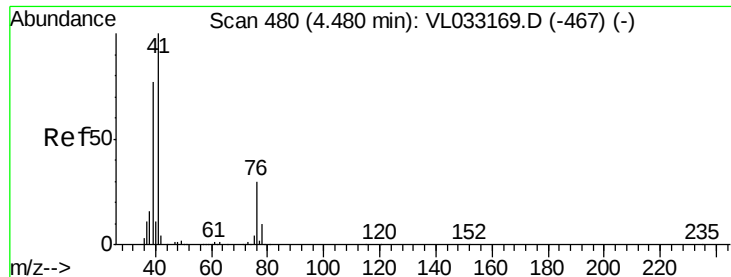
84 100

49 144.5 115.8 173.8

51 43.6 33.0 49.6

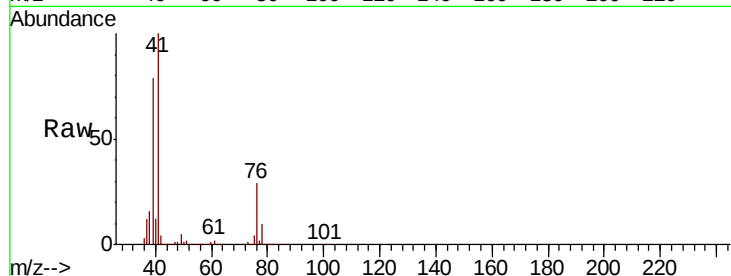
86 64.9 48.2 72.2



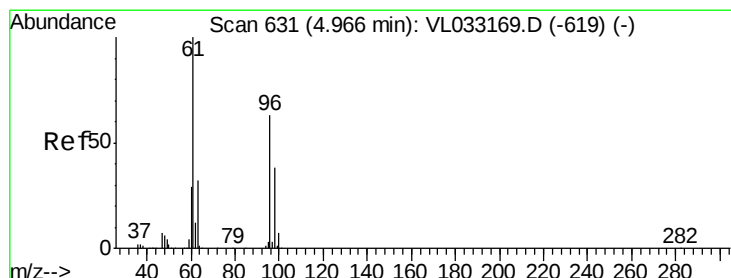
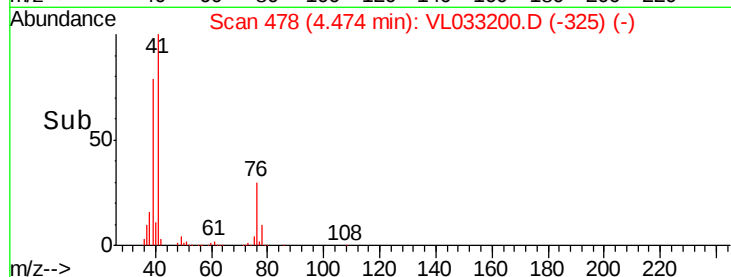
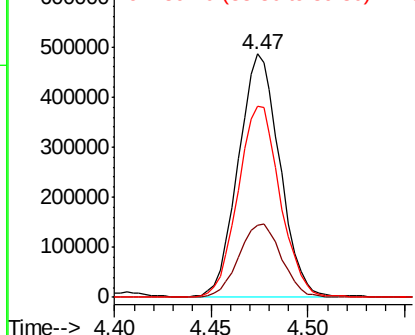


#21
Allvl Chloride
Concen: 10.643 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion: 41 Resp: 718893
Ion Ratio Lower Upper
41 100
76 31.4 24.5 36.7
39 80.4 64.1 96.1

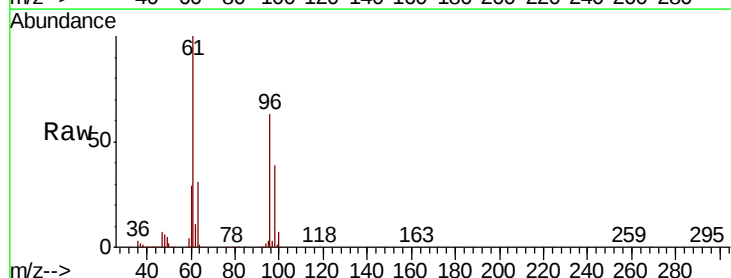


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

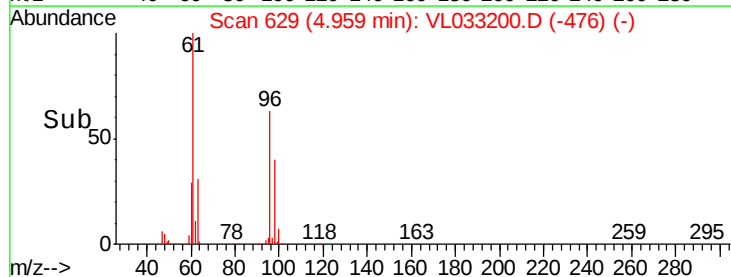
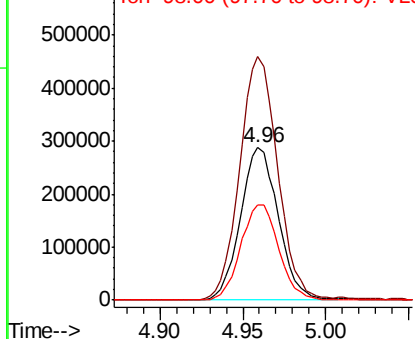


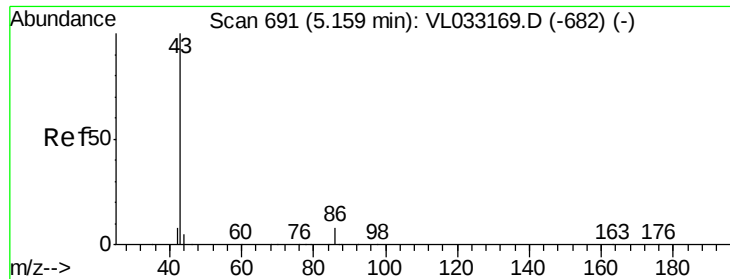
#22
trans-1,2-Dichloroethene
Concen: 10.780 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 96 Resp: 456477
Ion Ratio Lower Upper
96 100
61 159.4 126.4 189.6
98 62.6 48.4 72.6



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: 10.666 ppbv

RT: 5.15 min Scan# 688

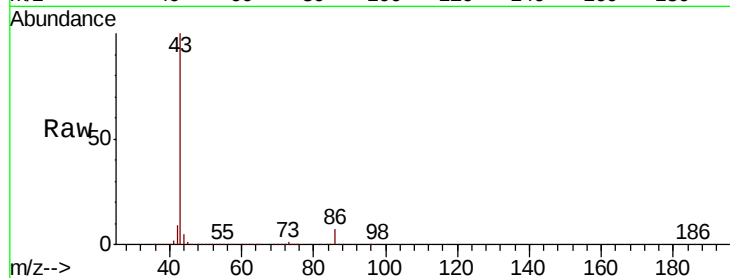
Delta R.T. -0.01 min

Lab File: VL033200.D

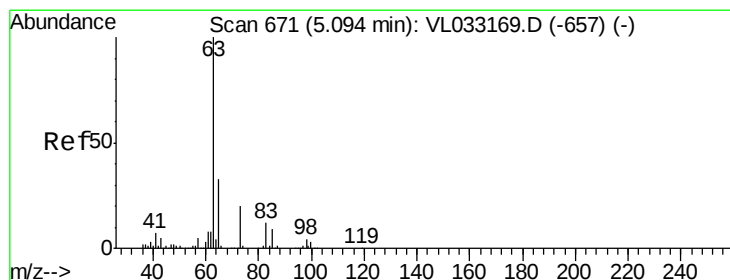
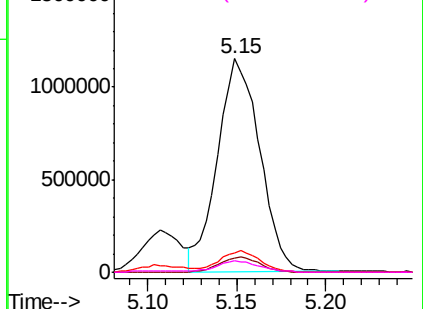
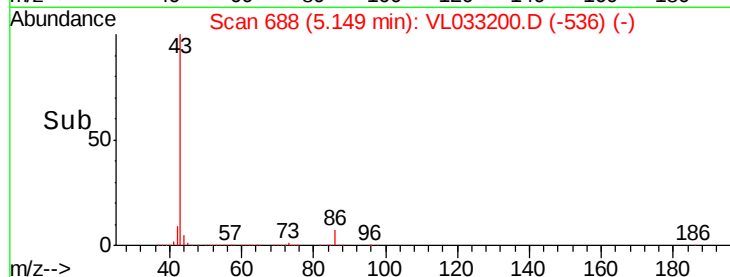
Acq: 14 Feb 2019 14:49

Tot Ion: 43 Resp: 1891032

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.8
42	9.1	7.4	11.0
44	5.1	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: 10.227 ppbv

RT: 5.09 min Scan# 669

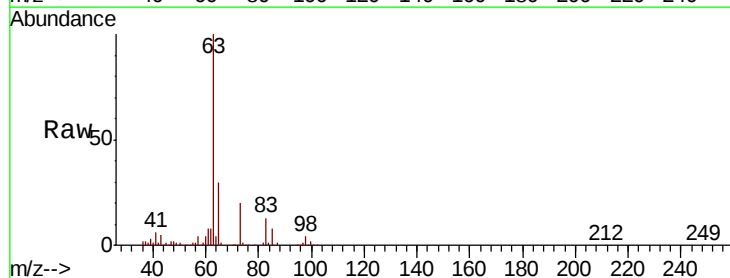
Delta R.T. -0.01 min

Lab File: VL033200.D

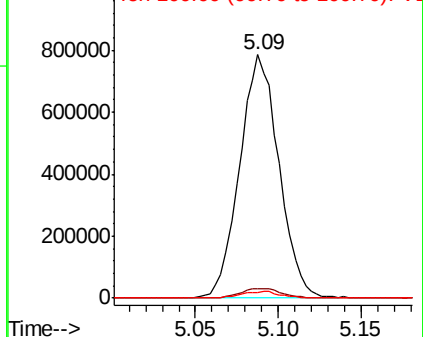
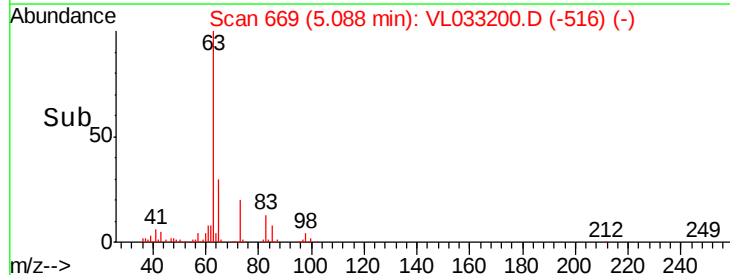
Acq: 14 Feb 2019 14:49

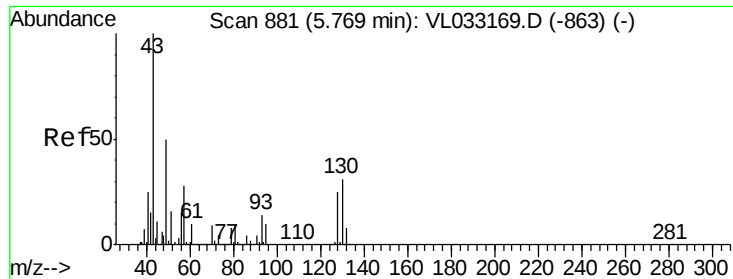
Tgt Ion: 63 Resp: 1282505

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.5
100	2.2	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

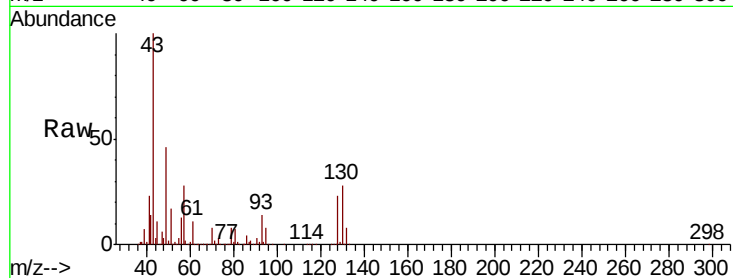




#25
Ethyl Acetate
Concen: 9.465 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion: 43 Resp: 2177201

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.5	11.3
70	7.1	5.8	8.8



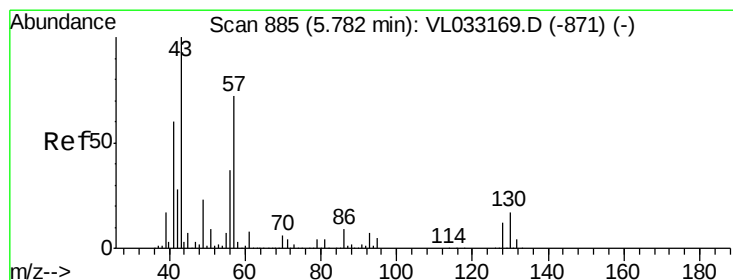
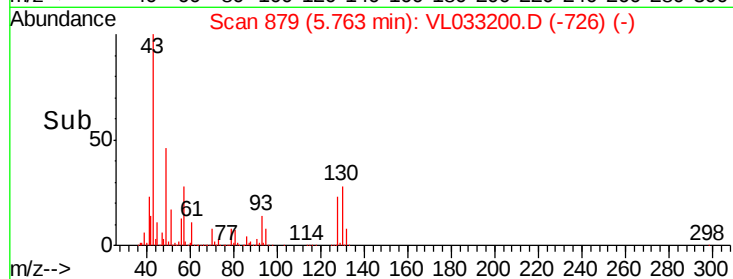
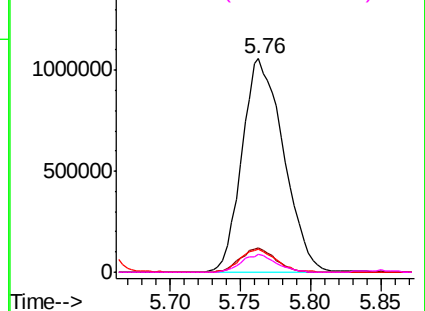
Abundance

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

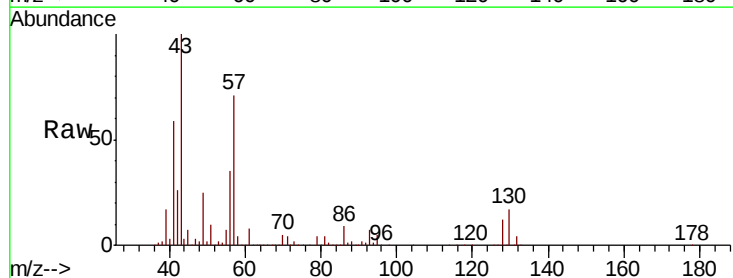
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.202 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 57 Resp: 993652

Ion	Ratio	Lower	Upper
57	100		
41	89.8	69.4	104.2
43	220.1	176.7	265.1
56	51.4	41.4	62.0



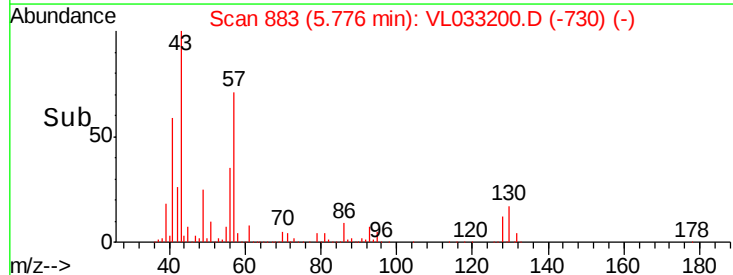
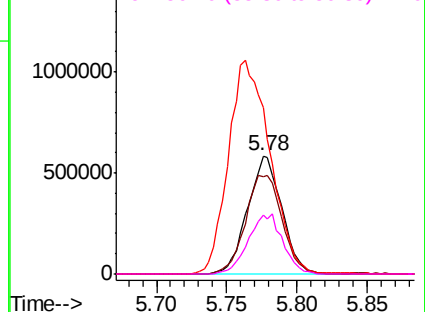
Abundance

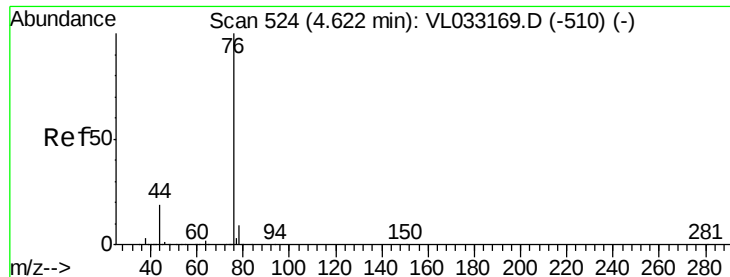
Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 11.018 ppbv

RT: 4.62 min Scan# 524

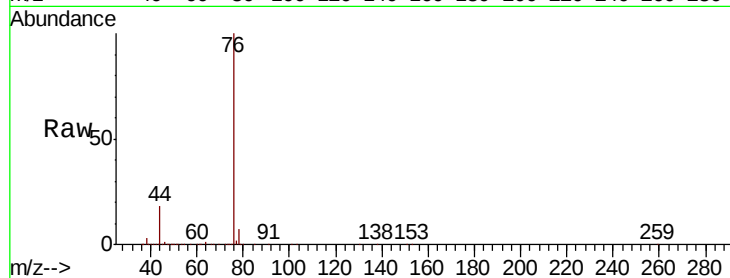
Delta R.T. -0.00 min

Lab File: VL033200.D

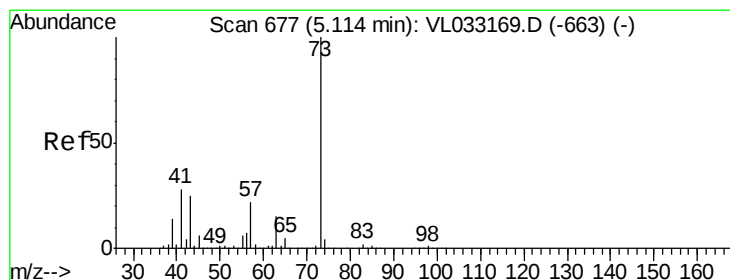
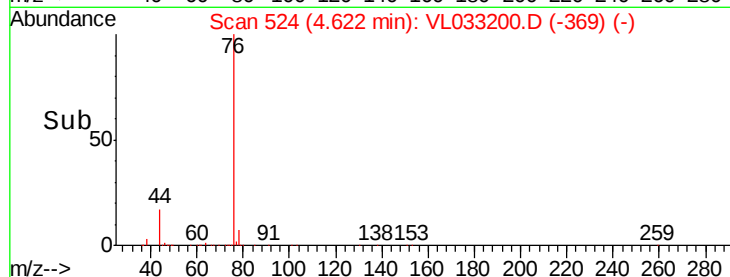
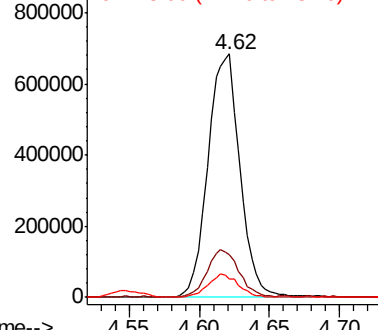
Acq: 14 Feb 2019 14:49

Tot Ion: 76 Resp: 1089948

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.0	22.4
78	9.1	7.4	11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.260 ppbv

RT: 5.11 min Scan# 675

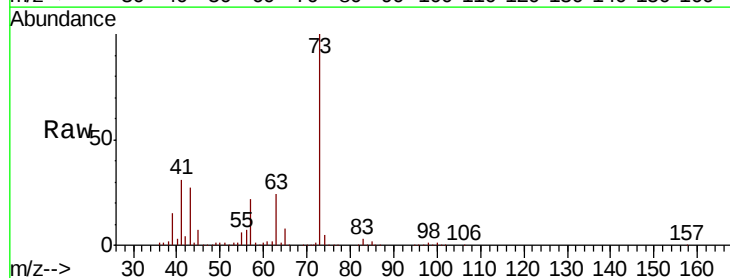
Delta R.T. -0.01 min

Lab File: VL033200.D

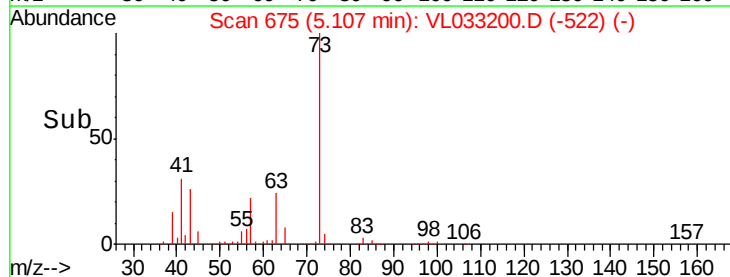
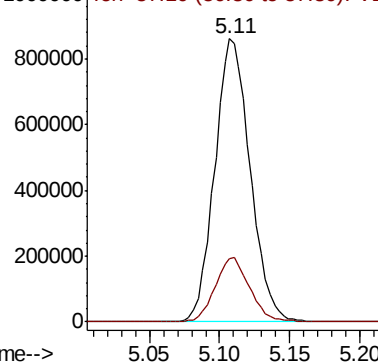
Acq: 14 Feb 2019 14:49

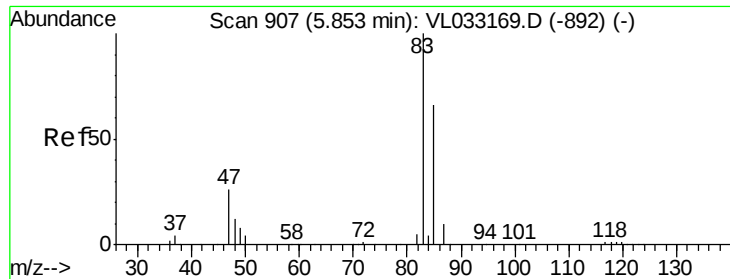
Tgt Ion: 73 Resp: 1513959

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



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





#29

Chloroform

Concen: 9.568 ppbv m

RT: 5.85 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL033200.D

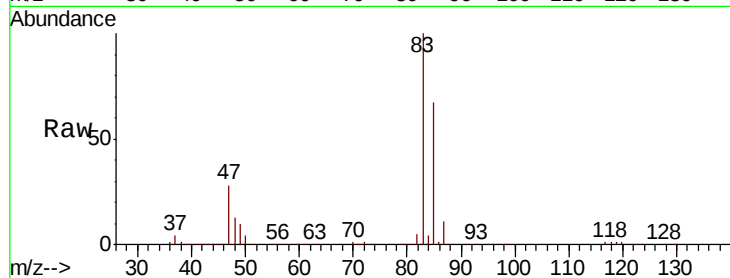
Acq: 14 Feb 2019 14:49

Tot Ion: 83 Resp: 1583346

Ion Ratio Lower Upper

83 100

85 66.6 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1000000

800000

600000

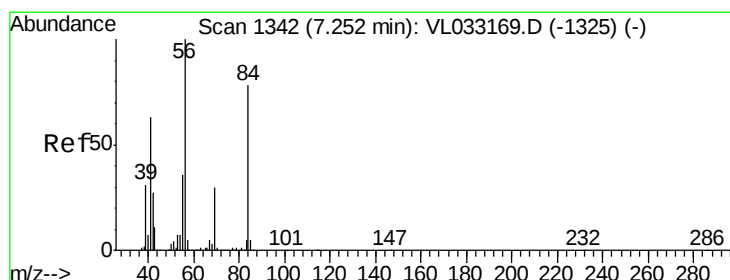
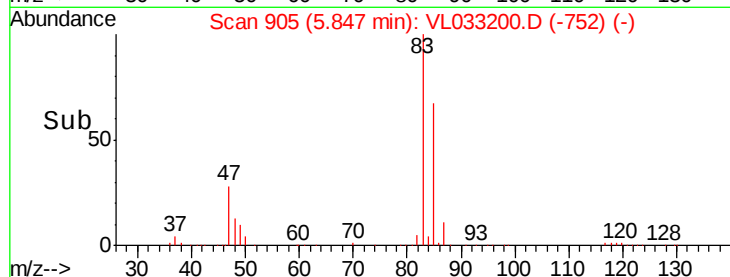
400000

200000

0

5.80 5.85 5.90

Time-->



#30

Cyclohexane

Concen: 8.492 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

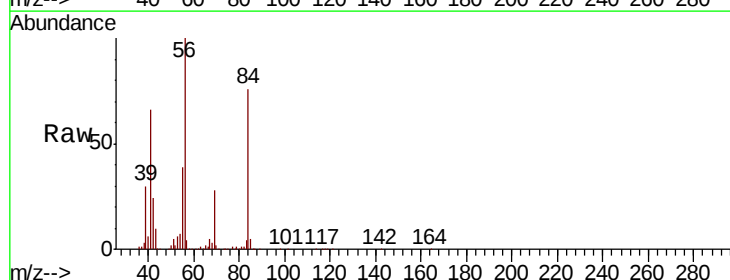
Tgt Ion: 84 Resp: 850792

Ion Ratio Lower Upper

84 100

56 142.2 109.5 164.3

41 87.9 66.6 100.0



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

600000

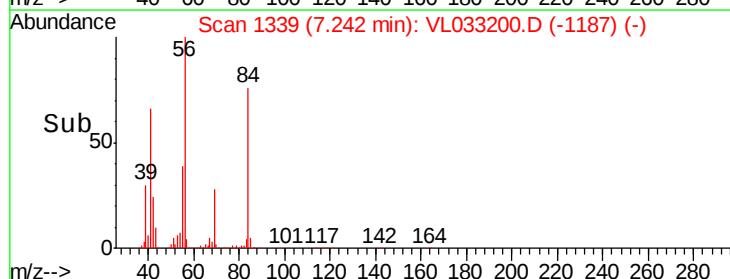
400000

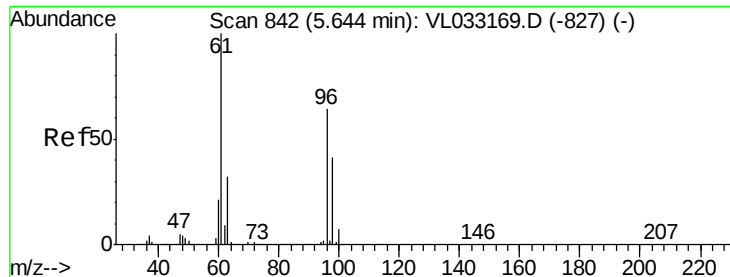
200000

0

7.15 7.20 7.25 7.30

Time-->

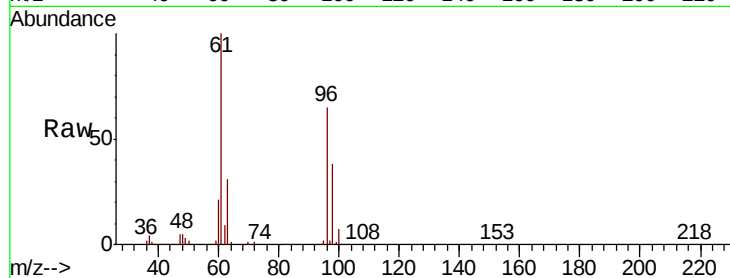




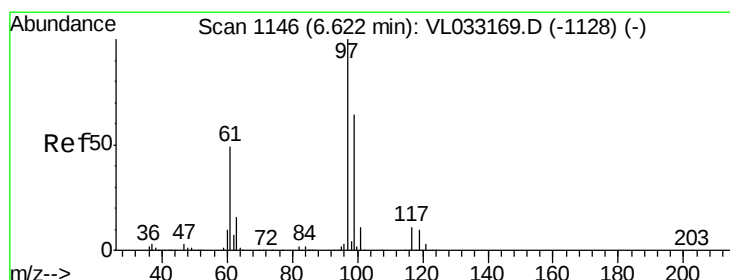
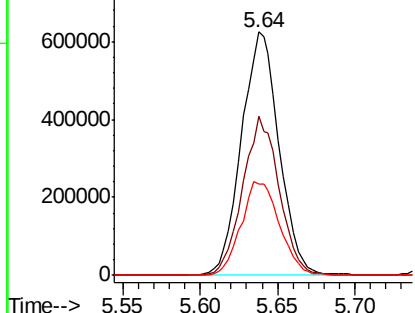
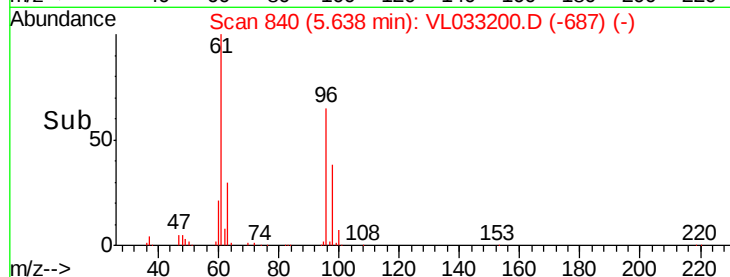
#31
 cis-1,2-Dichloroethene
 Concen: 9.768 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

Tot Ion: 61 Resp: 1055668

Ion	Ratio	Lower	Upper
61	100		
96	65.1	51.2	76.8
98	37.7	32.8	49.2



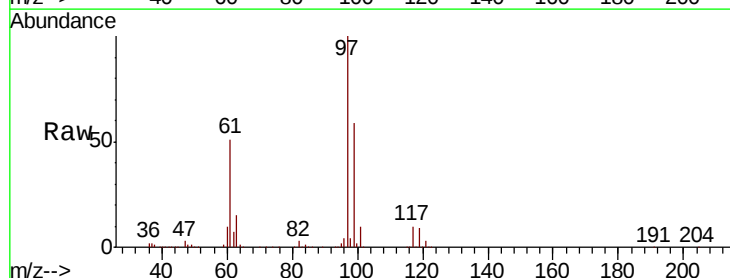
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



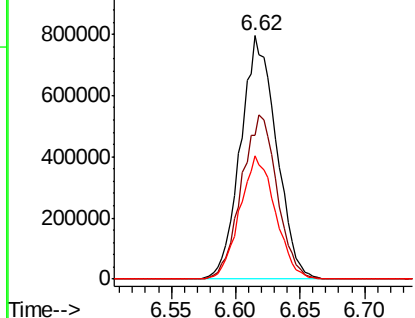
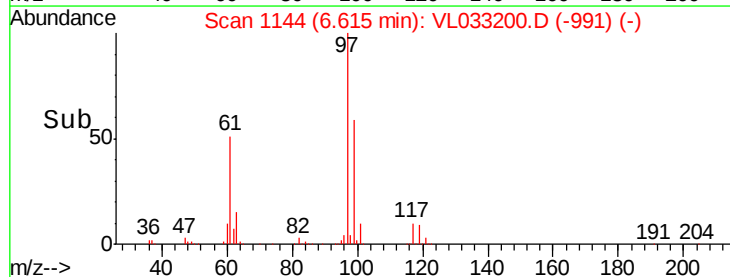
#32
 1,1,1-Trichloroethane
 Concen: 8.452 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

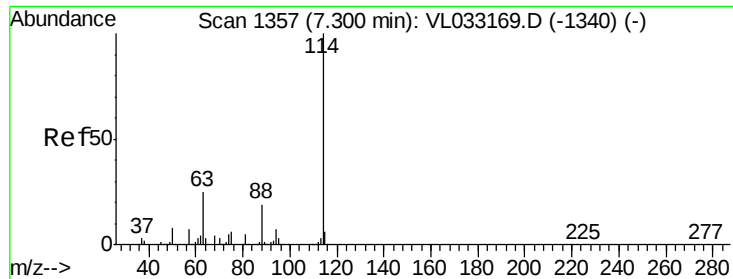
Tgt Ion: 97 Resp: 1540087

Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.4	77.2
61	50.4	38.8	58.2



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# 1355

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

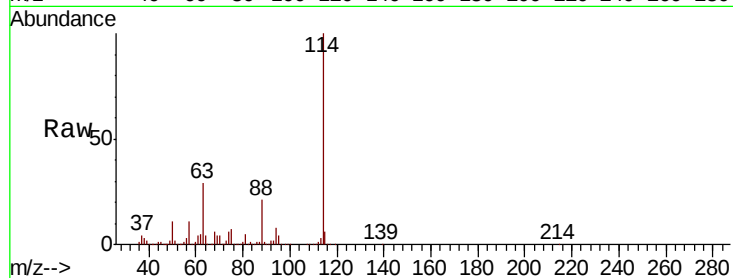
Tot Ion:114 Resp: 2095705

Ion Ratio Lower Upper

114 100

63 27.9 20.8 31.2

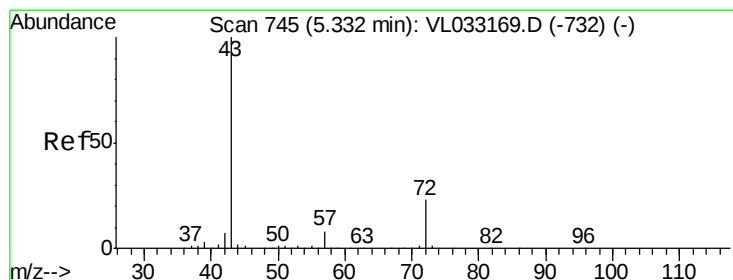
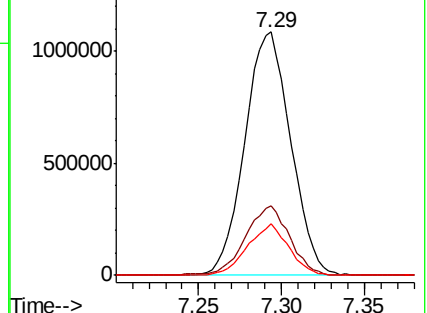
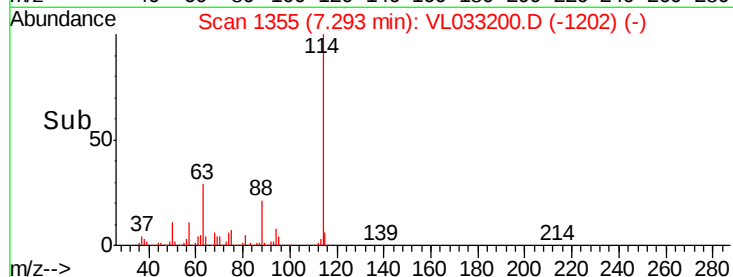
88 18.9 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.271 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.01 min

Lab File: VL033200.D

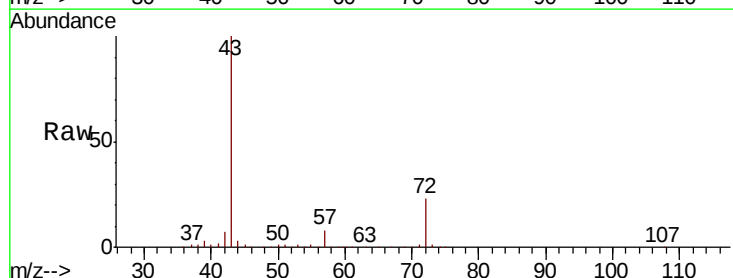
Acq: 14 Feb 2019 14:49

Tgt Ion: 43 Resp: 1498308

Ion Ratio Lower Upper

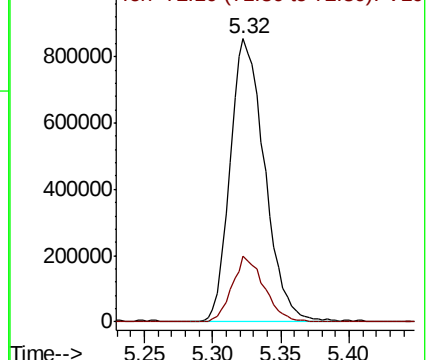
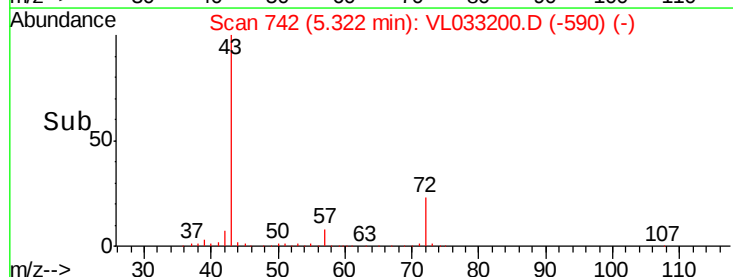
43 100

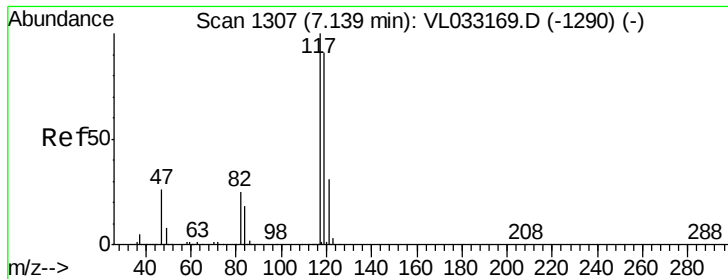
72 21.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.848 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

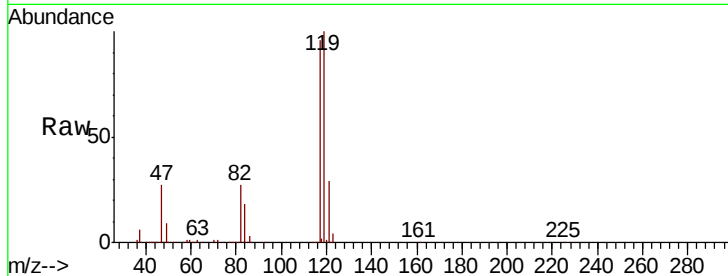
Tot Ion:117 Resp: 1576130

Ion Ratio Lower Upper

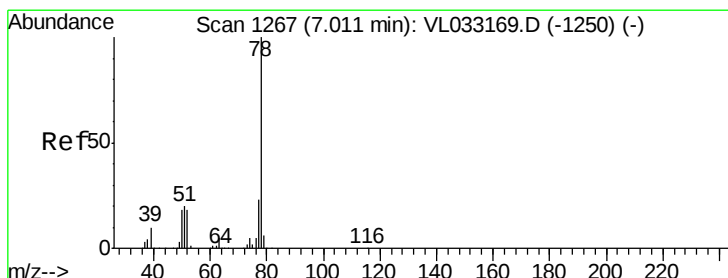
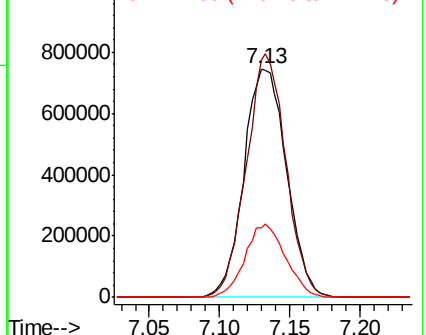
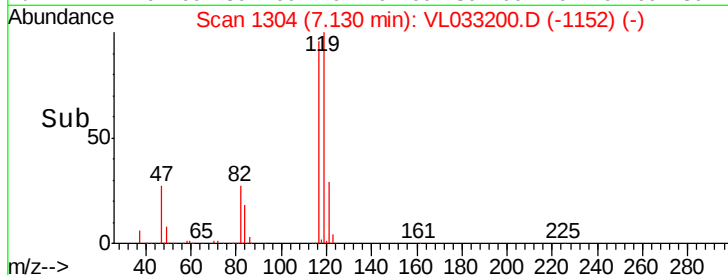
117 100

119 103.6 73.0 109.6

121 30.5 25.1 37.7



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: 9.638 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

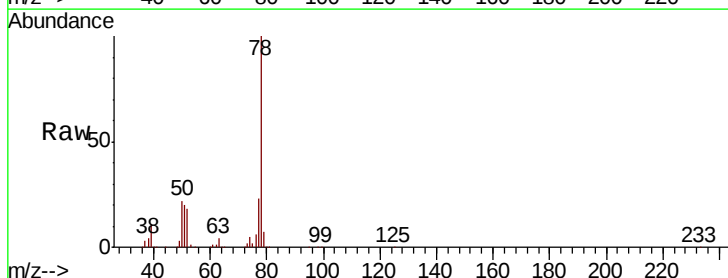
Tgt Ion: 78 Resp: 2047020

Ion Ratio Lower Upper

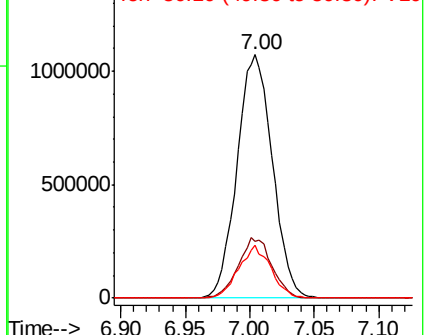
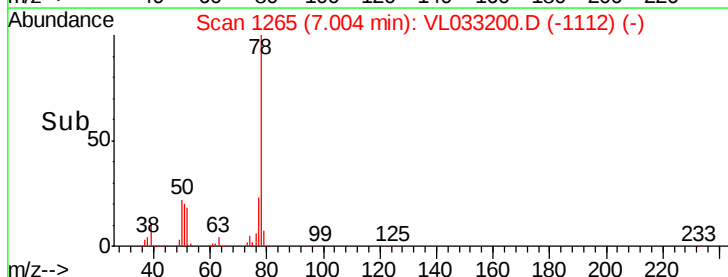
78 100

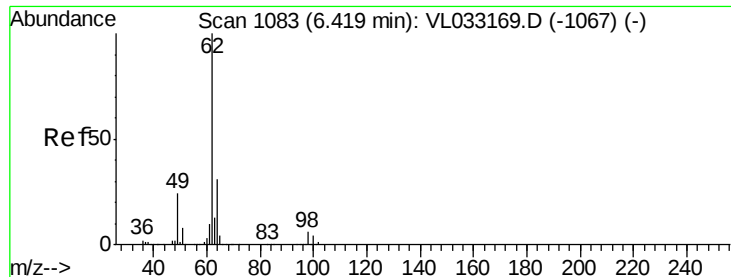
77 23.1 18.0 27.0

50 21.7 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: 10.773 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VL033200.D

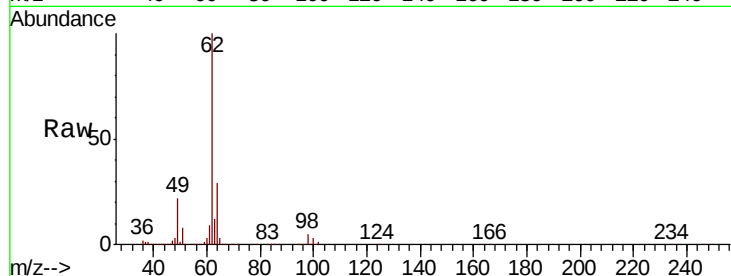
Acq: 14 Feb 2019 14:49

Tot Ion: 62 Resp: 1268057

Ion Ratio Lower Upper

62 100

98 5.8 4.7 7.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.41

800000

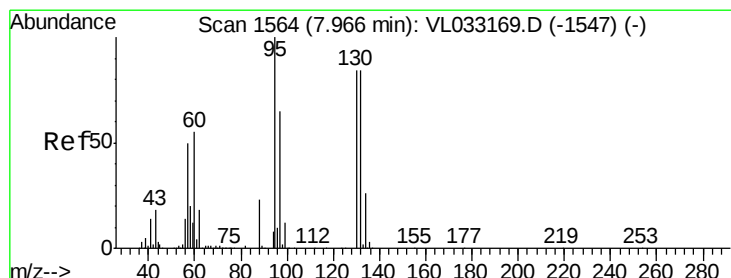
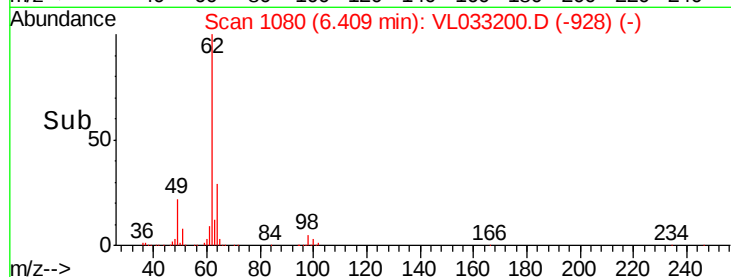
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.414 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 130 Resp: 763676

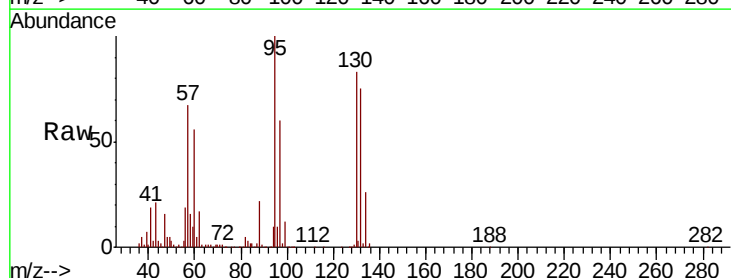
Ion Ratio Lower Upper

130 100

95 121.4 95.5 143.3

132 90.7 80.0 120.0

97 72.6 62.2 93.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

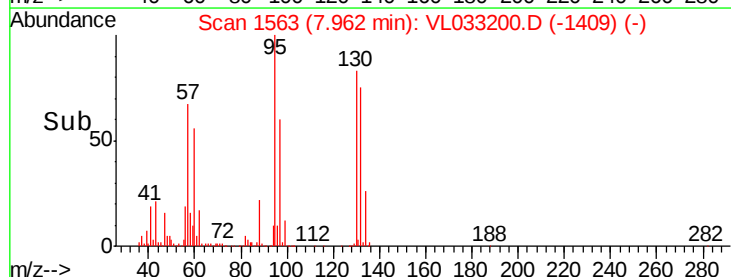
600000

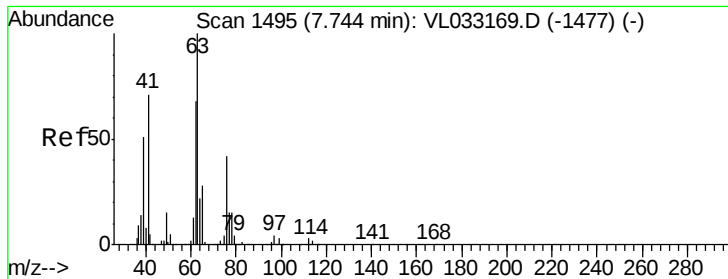
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.477 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

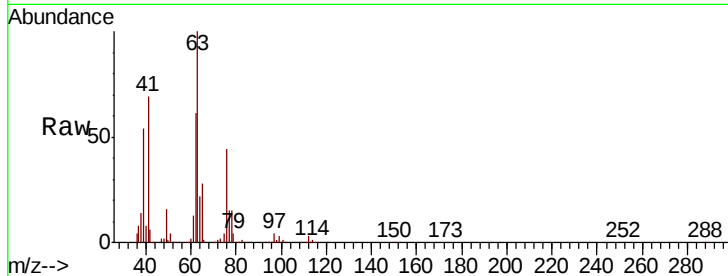
Tot Ion: 63 Resp: 794916

Ion Ratio Lower Upper

63 100

41 68.8 56.4 84.6

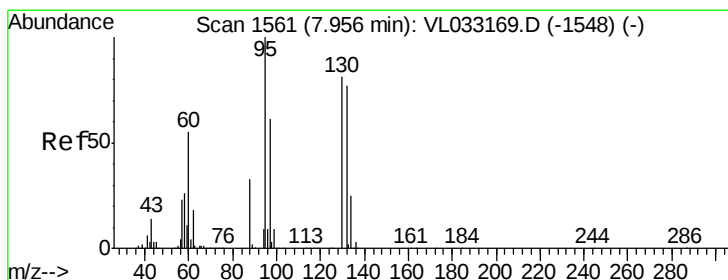
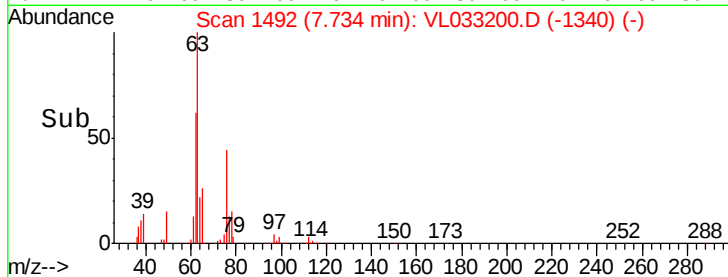
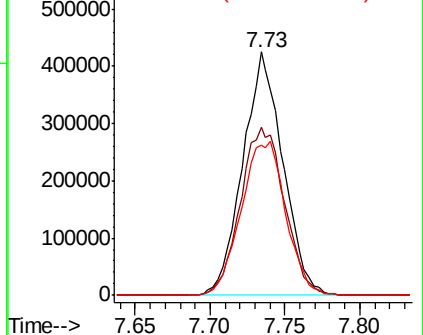
62 61.4 54.2 81.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.082 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 88 Resp: 300268

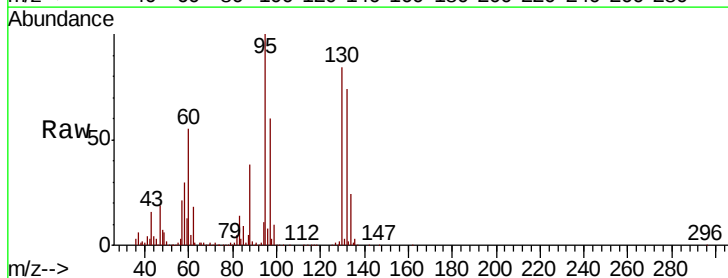
Ion Ratio Lower Upper

88 100

58 126.9 106.4 159.6

43 265.5 219.6 329.4

57 1162.4 993.3 1489.9

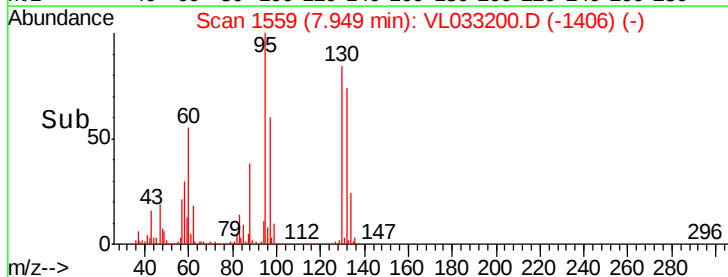
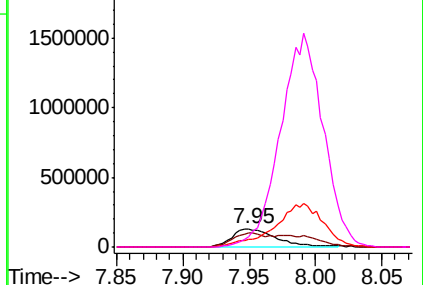


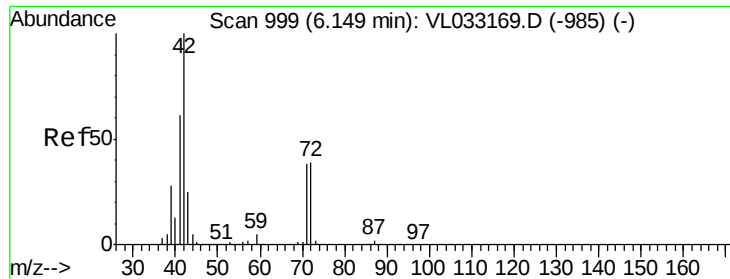
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.332 ppbv

RT: 6.14 min Scan# 997

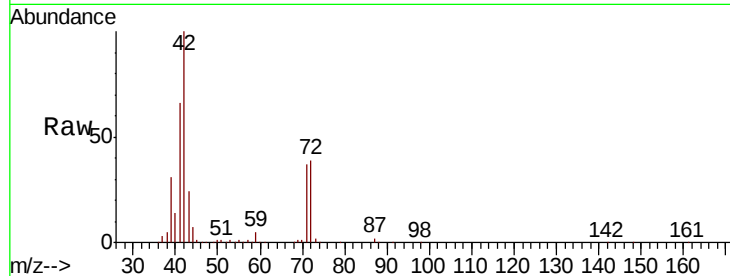
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tot Ion: 42 Resp: 849073

Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.4	47.2
71	36.6	30.2	45.2

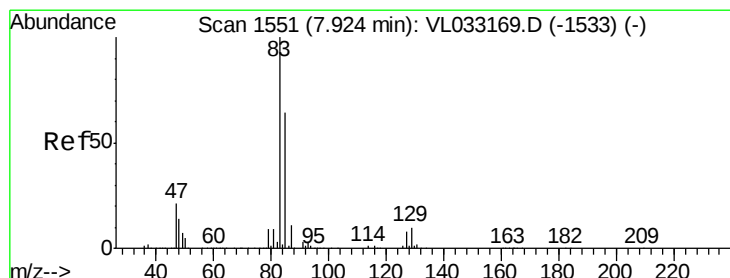
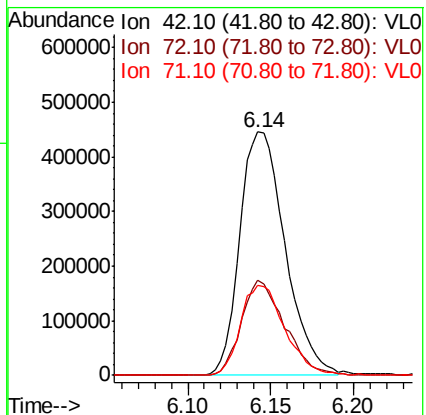
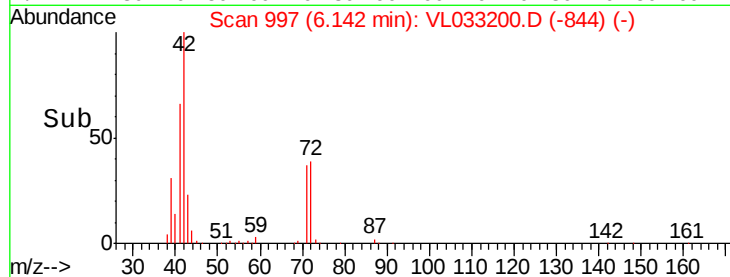


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.452 ppbv

RT: 7.92 min Scan# 1549

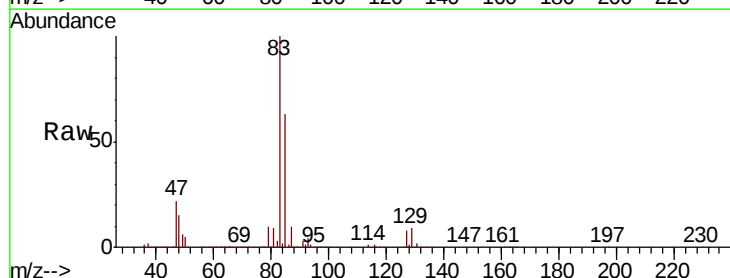
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 83 Resp: 1782801

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.2	6.4	9.6

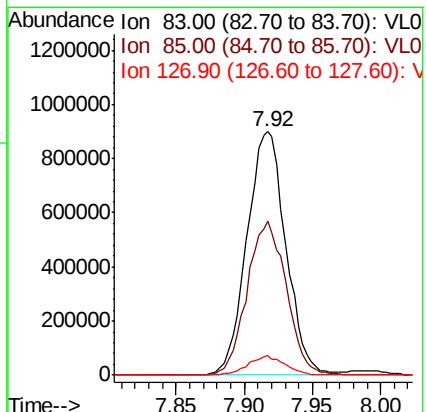
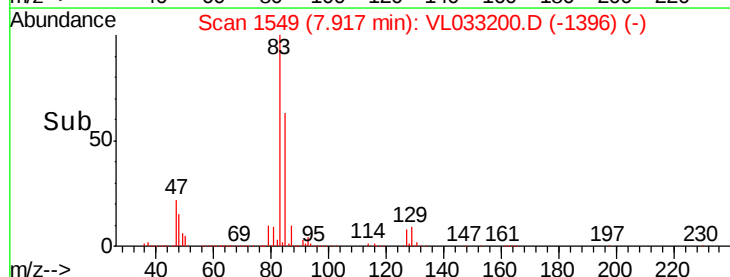


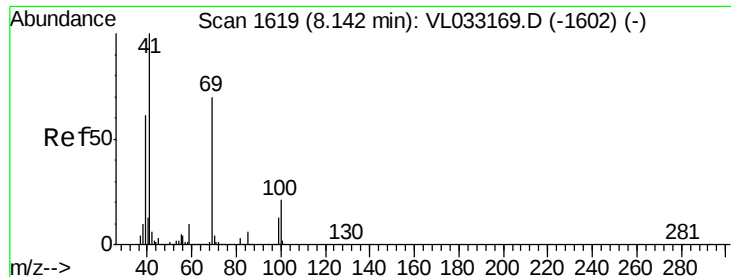
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.161 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

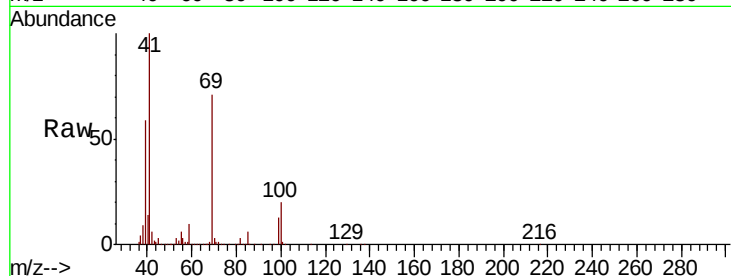
Tot Ion: 69 Resp: 866422

Ion Ratio Lower Upper

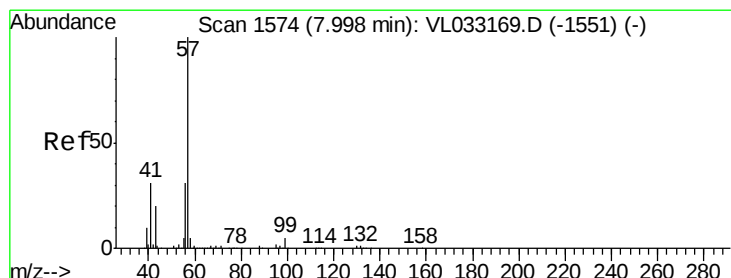
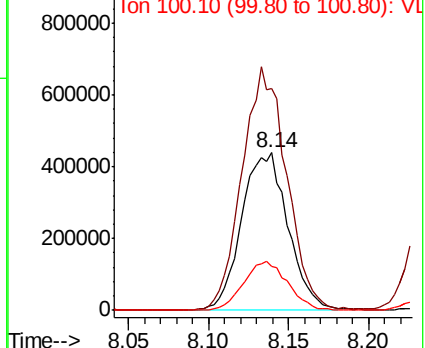
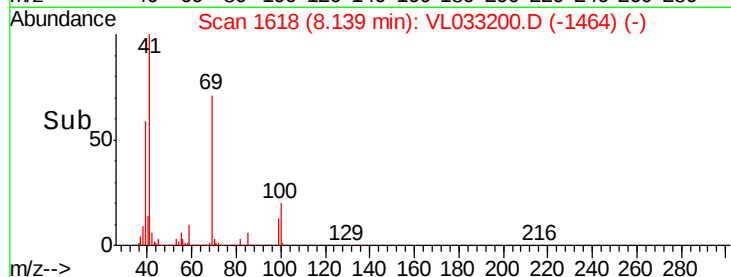
69 100

41 149.2 117.1 175.7

100 29.9 25.0 37.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.691 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

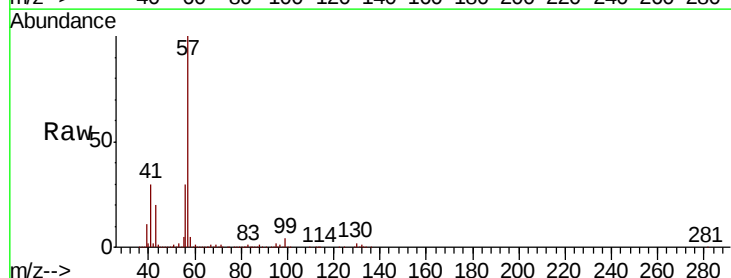
Tgt Ion: 57 Resp: 3488002

Ion Ratio Lower Upper

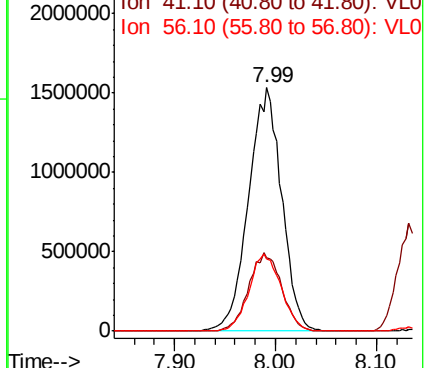
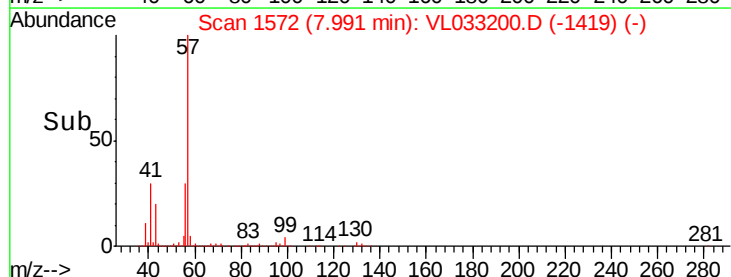
57 100

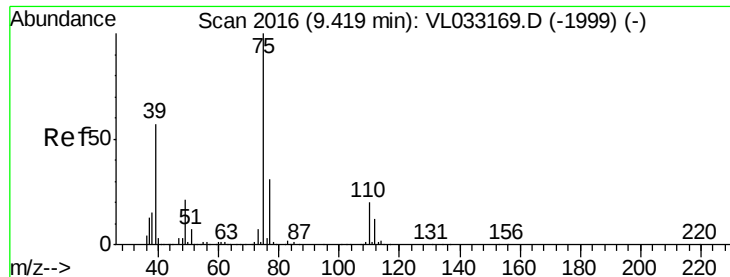
41 32.0 25.2 37.8

56 30.7 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





#45

t-1,3-Dichloropropene

Concen: 12.221 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033200.D

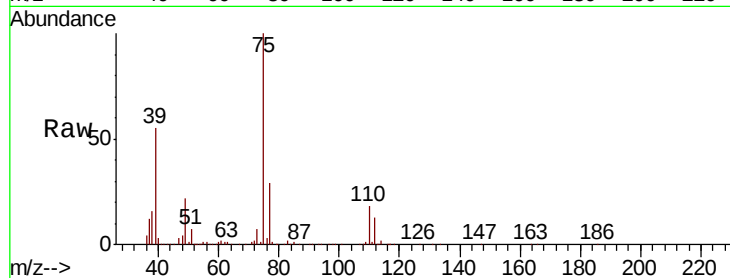
Acq: 14 Feb 2019 14:49

Tot Ion: 75 Resp: 1153981

Ion Ratio Lower Upper

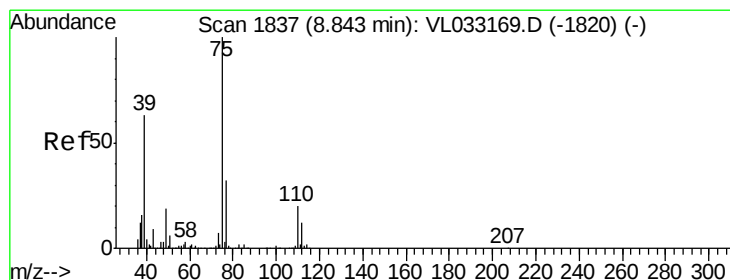
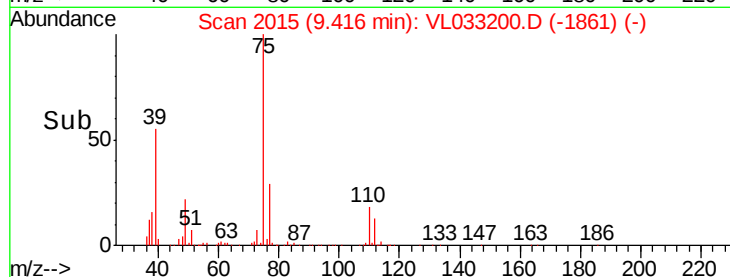
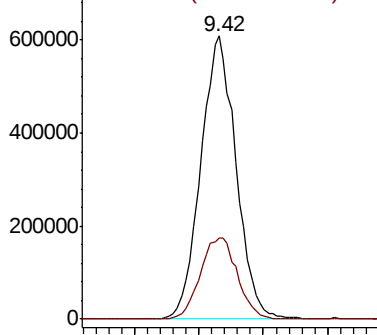
75 100

77 28.6 25.0 37.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.836 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

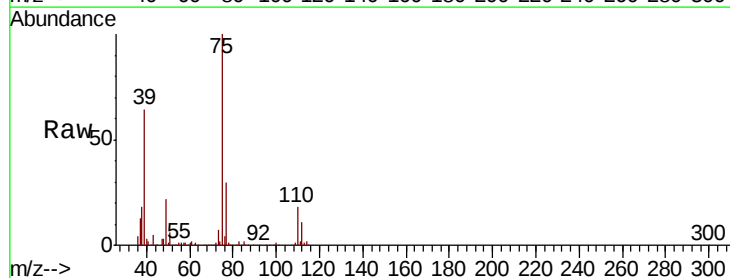
Tgt Ion: 75 Resp: 1307511

Ion Ratio Lower Upper

75 100

39 64.3 50.1 75.1

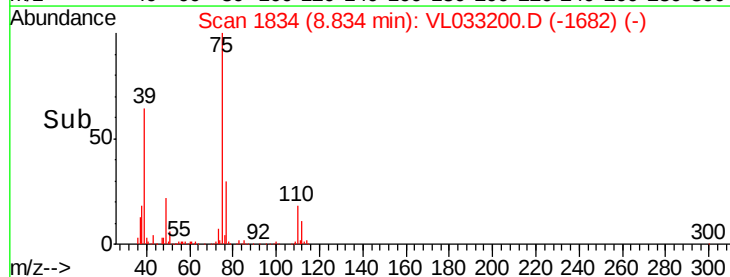
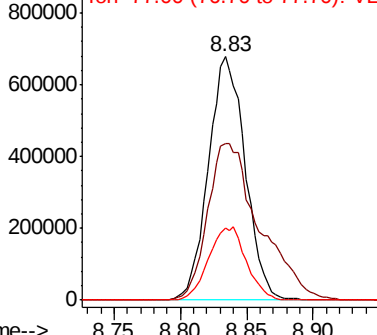
77 29.6 25.4 38.2

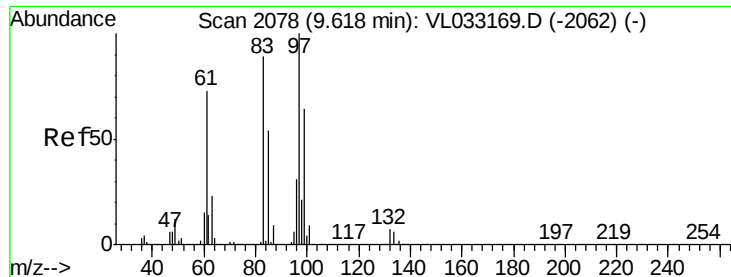


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.806 ppbv

RT: 9.61 min Scan# 2077

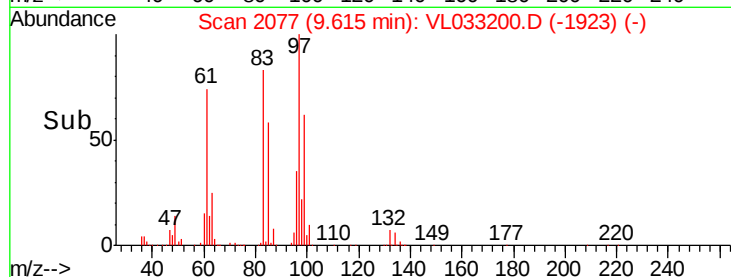
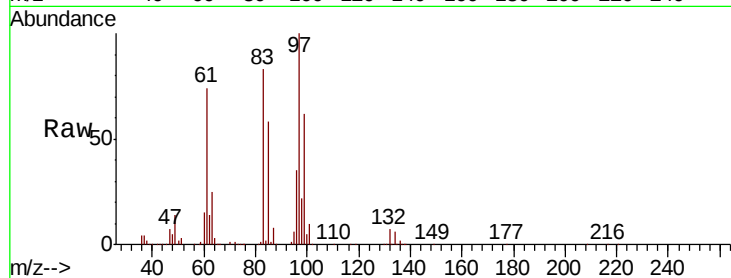
Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tot Ion: 97 Resp: 852986

Ion	Ratio	Lower	Upper
97	100		
83	82.5	71.4	107.2
85	57.6	43.5	65.3
99	61.5	51.4	77.0



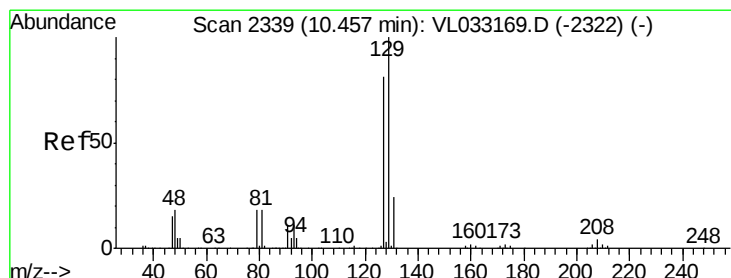
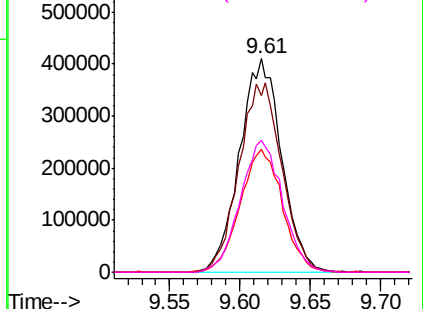
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.130 ppbv

RT: 10.45 min Scan# 2337

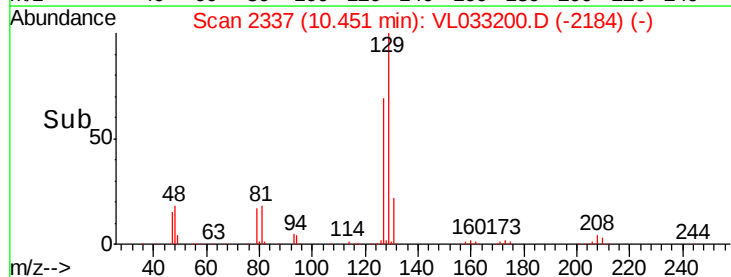
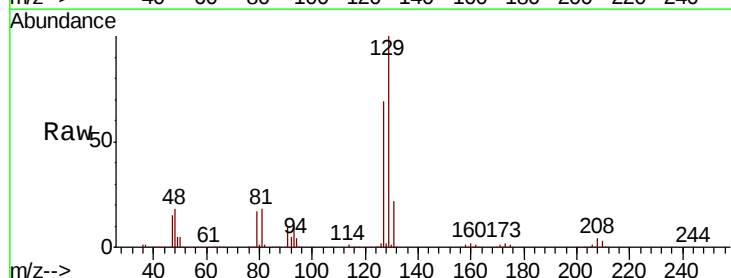
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 129 Resp: 1525234

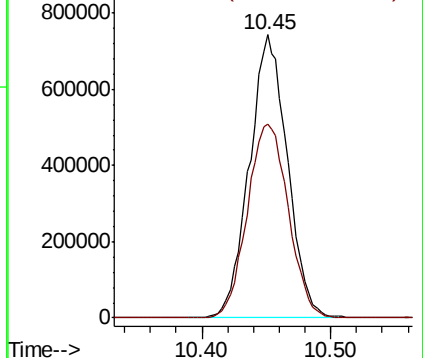
Ion	Ratio	Lower	Upper
129	100		
127	74.1	39.1	117.3

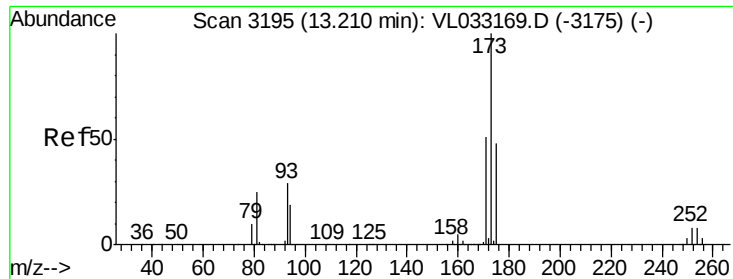


Abundance

Ion 129.00 (128.70 to 129.70): V

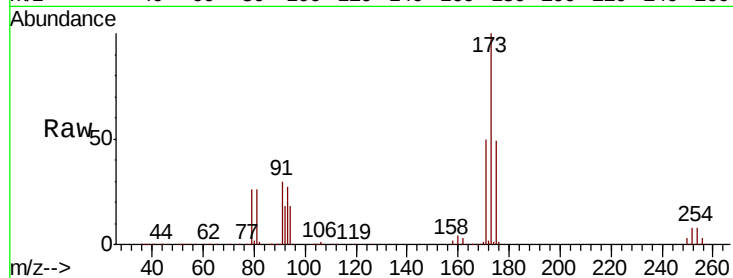
Ion 127.00 (126.70 to 127.70): V



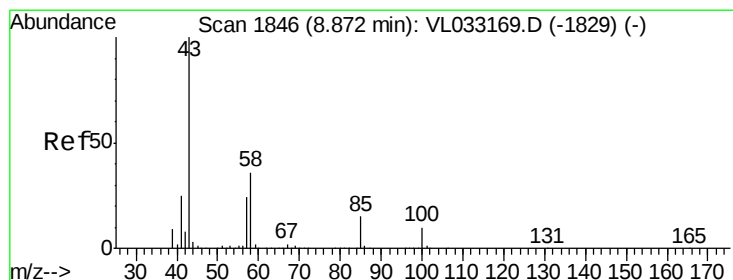
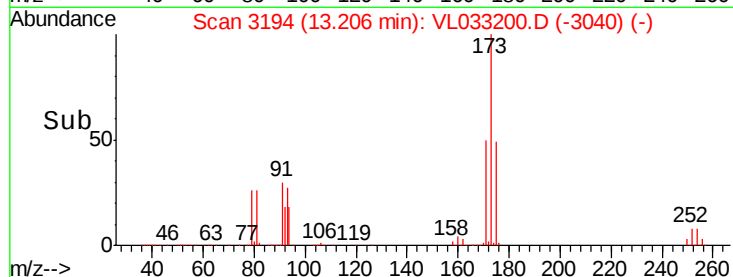
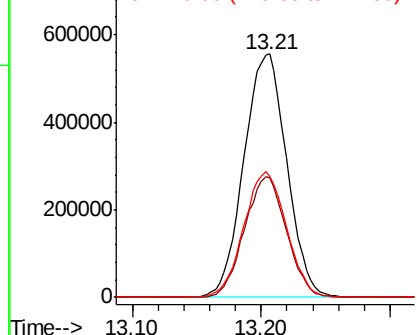


#49
Bromoform
Concen: 10.880 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:173 Resp: 1282947
Ion Ratio Lower Upper
173 100
175 48.7 38.6 58.0
171 51.6 41.6 62.4

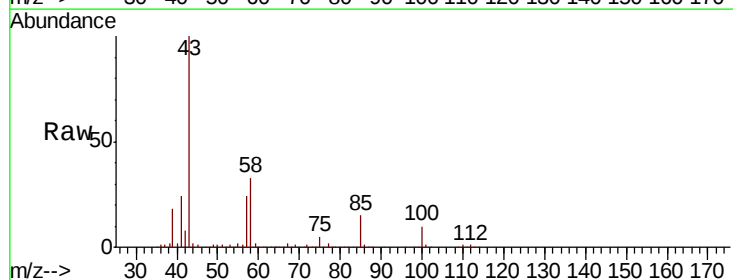


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

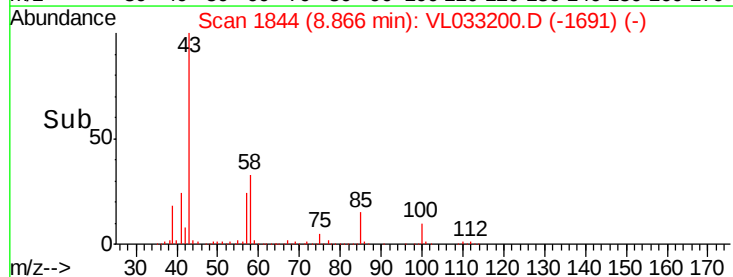
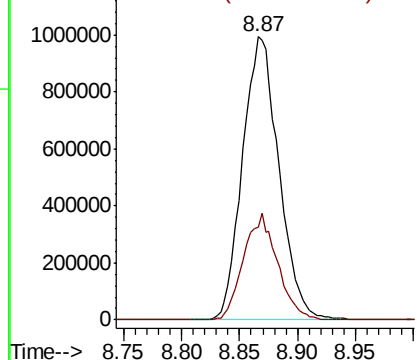


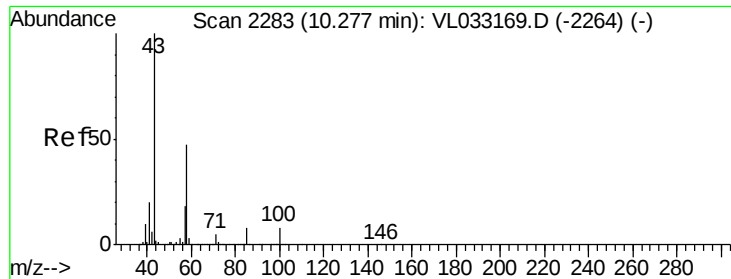
#50
4-Methyl-2-Pentanone
Concen: 10.143 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 43 Resp: 2162048
Ion Ratio Lower Upper
43 100
58 35.2 29.0 43.6



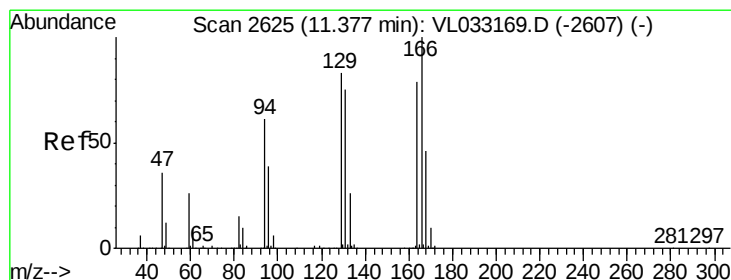
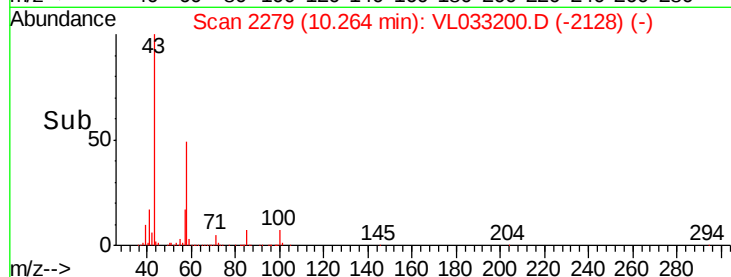
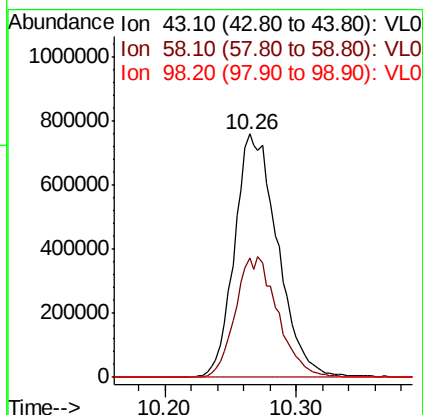
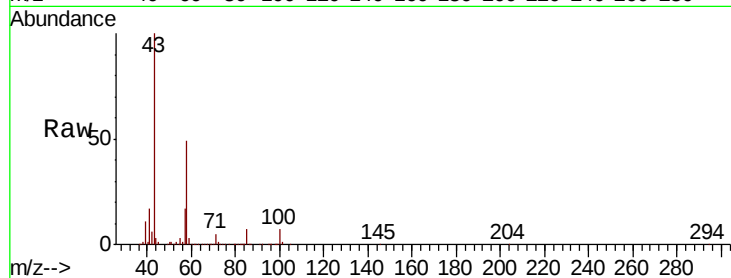
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





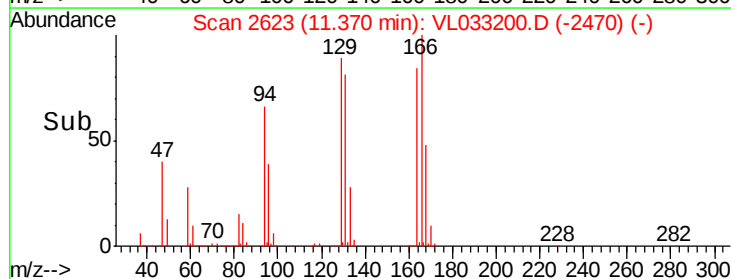
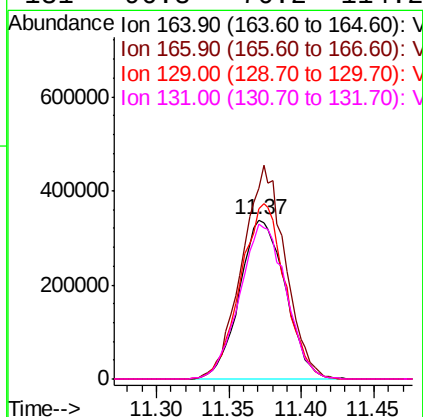
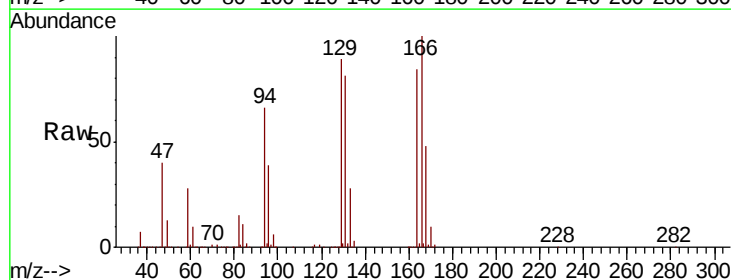
#51
2-Hexanone
Concen: 10.251 ppbv m
RT: 10.26 min Scan# 2279
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

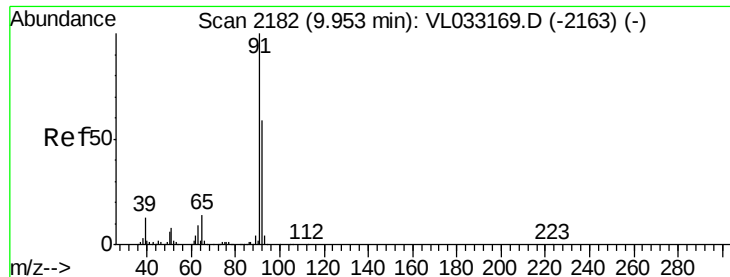
Tot Ion: 43 Resp: 1722875
Ion Ratio Lower Upper
43 100
58 0.0 39.0 58.6#
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.073 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 164 Resp: 740396
Ion Ratio Lower Upper
164 100
166 119.4 100.9 151.3
129 106.7 83.9 125.9
131 96.8 76.2 114.2





#53

Toluene

Concen: 9.627 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033200.D

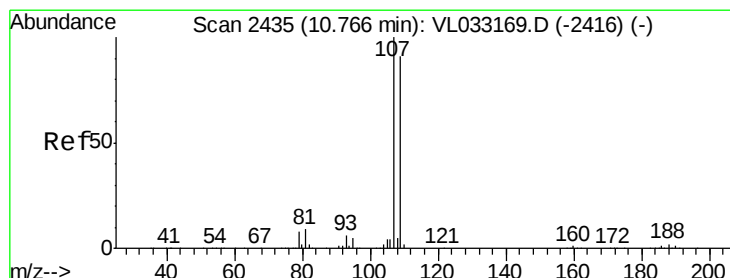
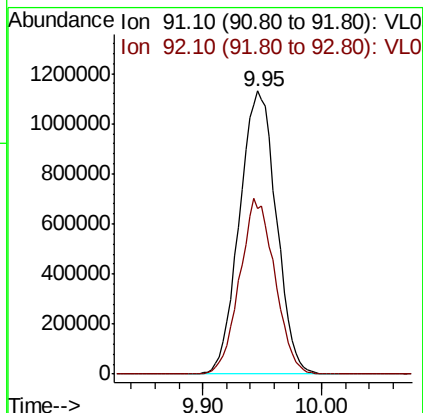
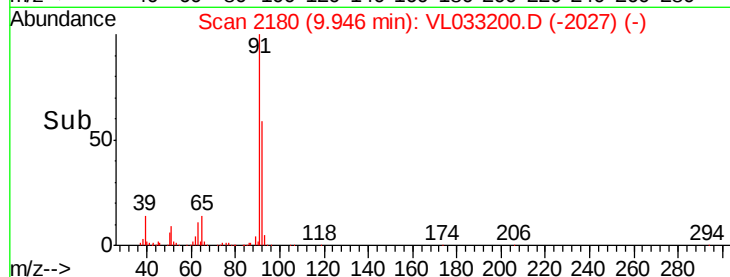
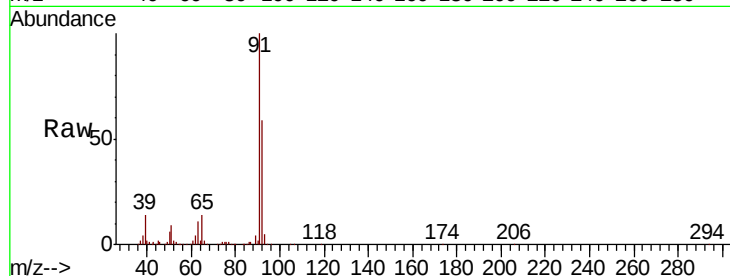
Acq: 14 Feb 2019 14:49

Tot Ion: 91 Resp: 2421297

Ion Ratio Lower Upper

91 100

92 59.2 48.0 72.0



#54

1,2-Dibromoethane

Concen: 10.220 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033200.D

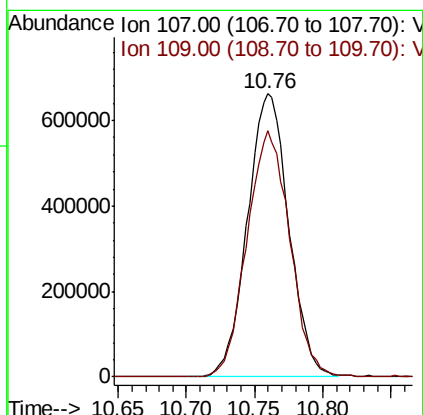
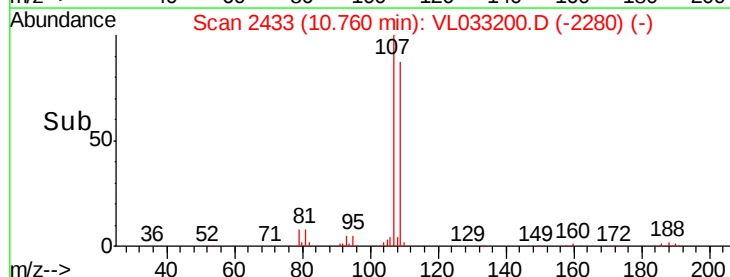
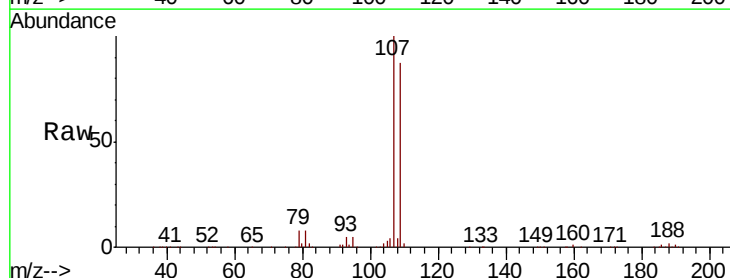
Acq: 14 Feb 2019 14:49

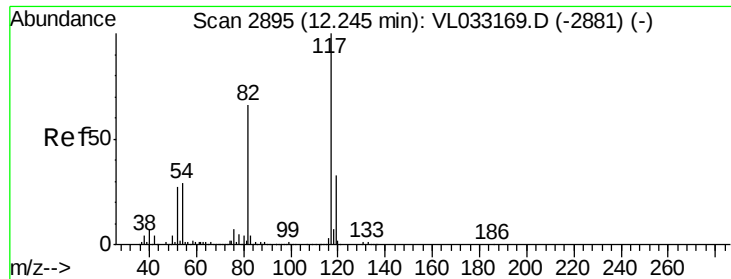
Tgt Ion: 107 Resp: 1395089

Ion Ratio Lower Upper

107 100

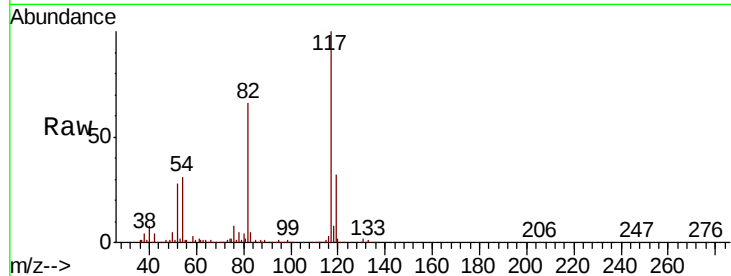
109 87.1 73.2 109.8



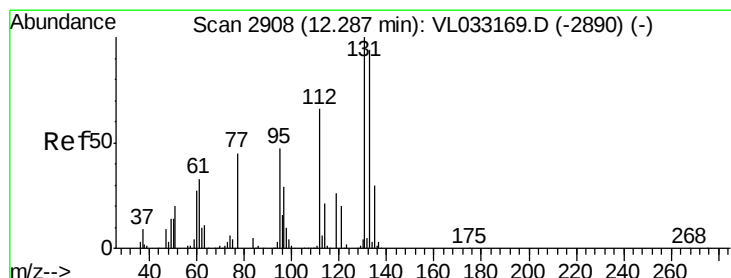
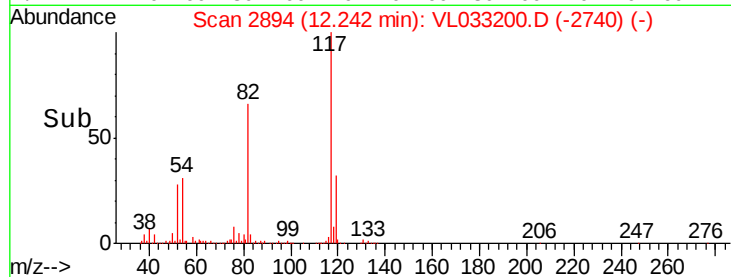
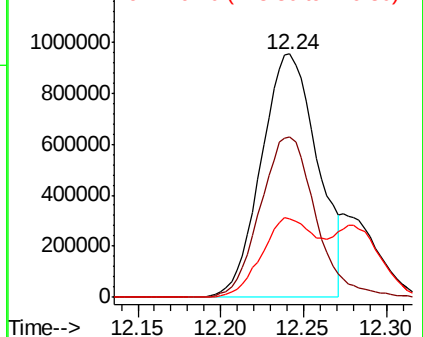


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:117 Resp: 2248676
Ion Ratio Lower Upper
117 100
82 65.4 53.8 80.8
119 32.9 46.9 70.3#

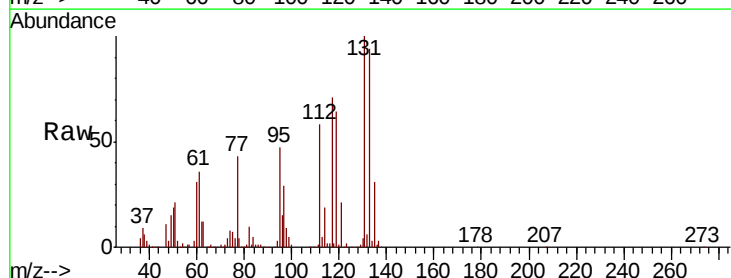


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

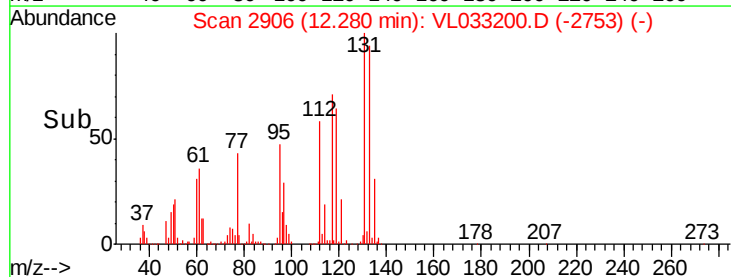
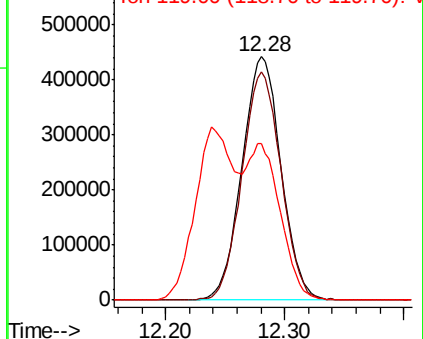


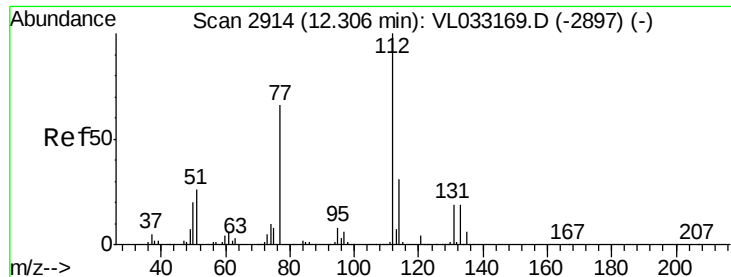
#56
1,1,1,2-Tetrachloroethane
Concen: 9.564 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion:131 Resp: 1001652
Ion Ratio Lower Upper
131 100
133 94.1 75.8 113.6
119 63.5 48.1 72.1



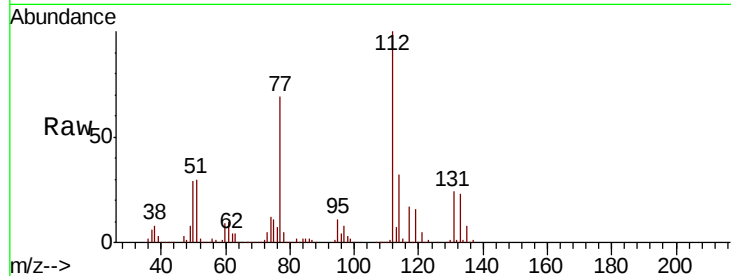
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



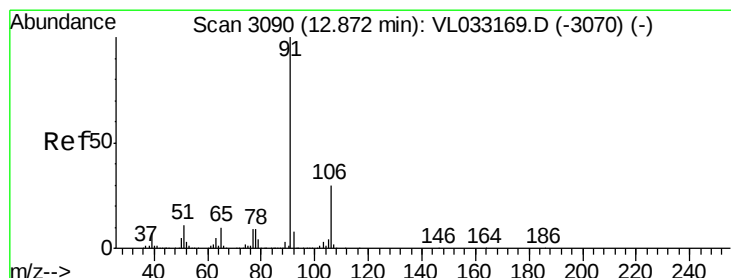
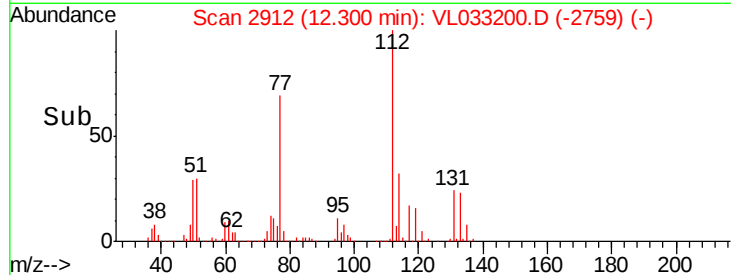
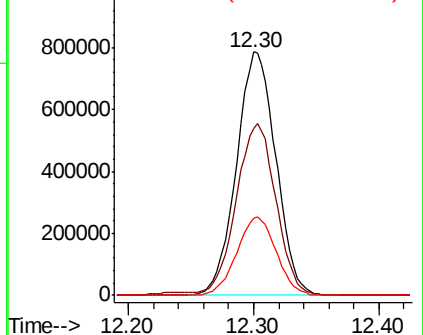


#57
Chlorobenzene
Concen: 8.614 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:112 Resp: 1713989
Ion Ratio Lower Upper
112 100
77 68.5 54.0 81.0
114 31.4 27.9 34.1

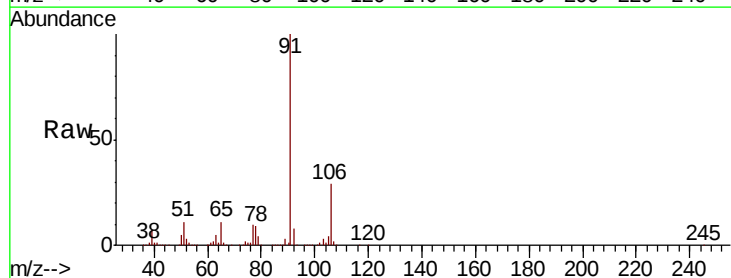


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

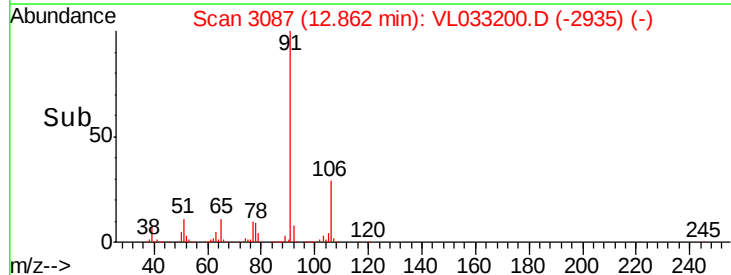
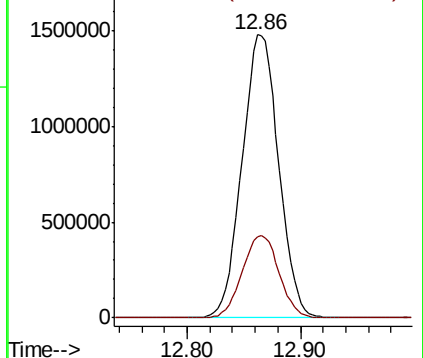


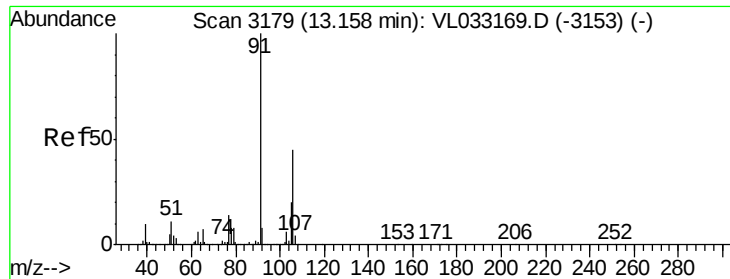
#58
Ethyl Benzene
Concen: 8.993 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 91 Resp: 3319280
Ion Ratio Lower Upper
91 100
106 28.8 23.8 35.8



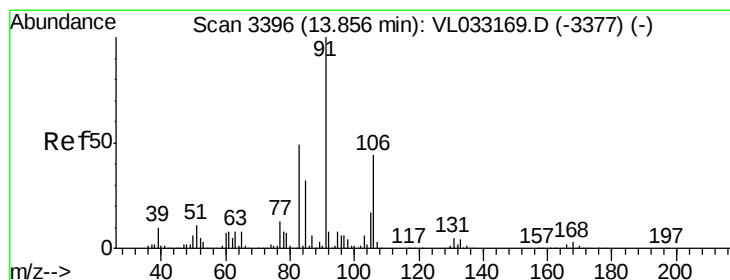
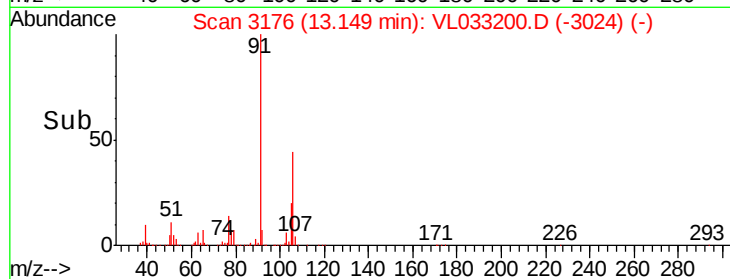
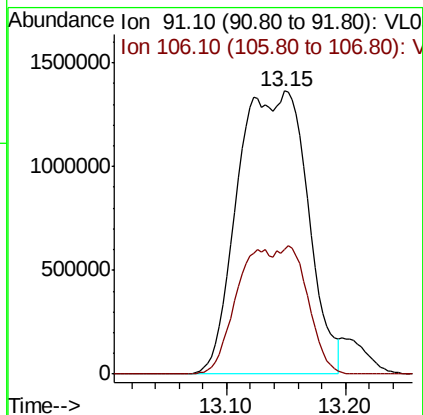
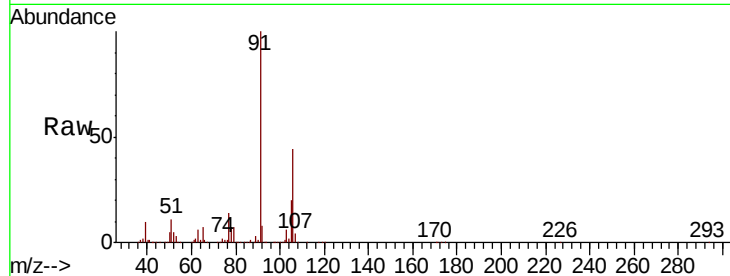
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





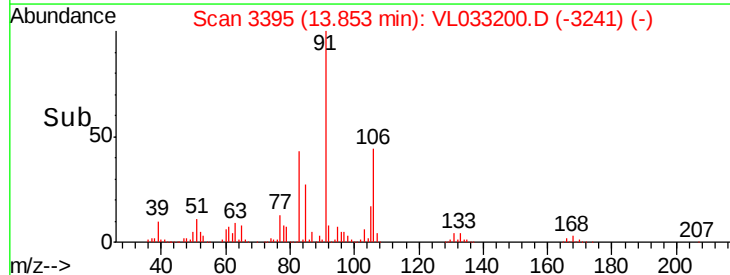
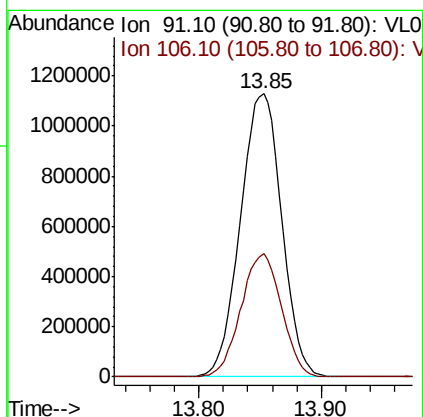
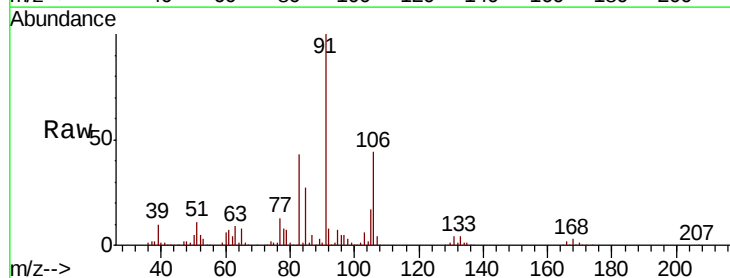
#59
m/p-Xylene
Concen: 17.978 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

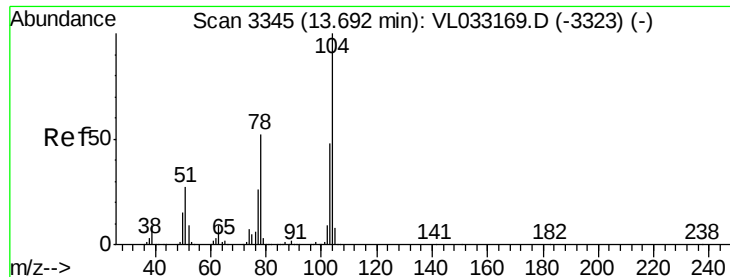
Tot Ion: 91 Resp: 5519780
Ion Ratio Lower Upper
91 100
106 44.2 36.6 55.0



#60
o-Xylene
Concen: 8.798 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion: 91 Resp: 2634077
Ion Ratio Lower Upper
91 100
106 42.9 21.8 65.3

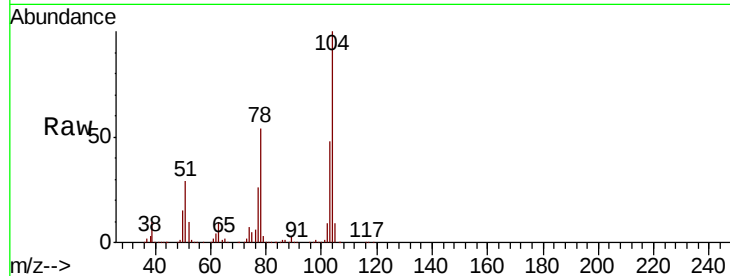




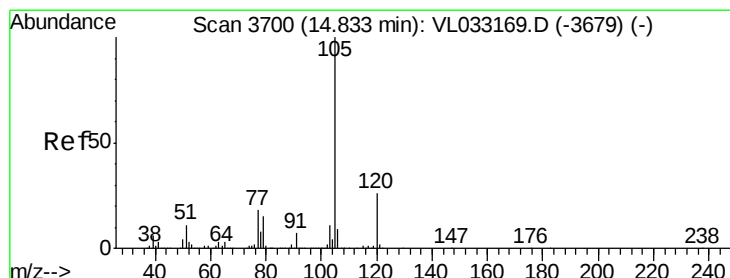
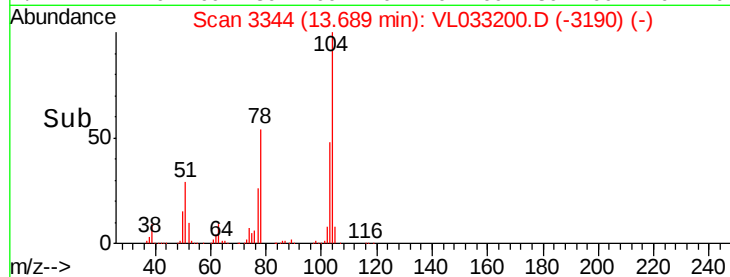
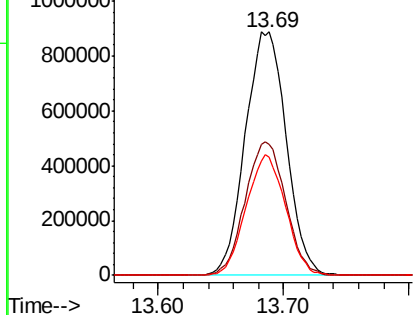
#61
Stvrene
Concen: 8.924 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:104 Resp: 2016982

Ion	Ratio	Lower	Upper
104	100		
78	54.0	41.9	62.9
103	47.6	37.9	56.9



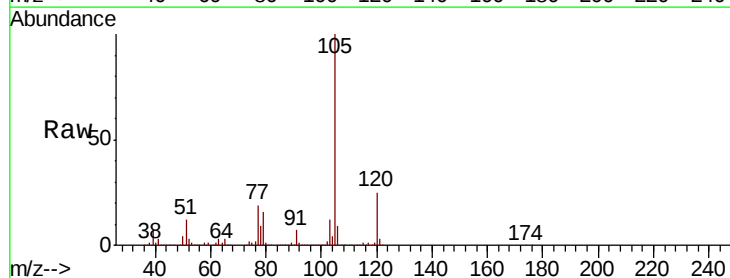
Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



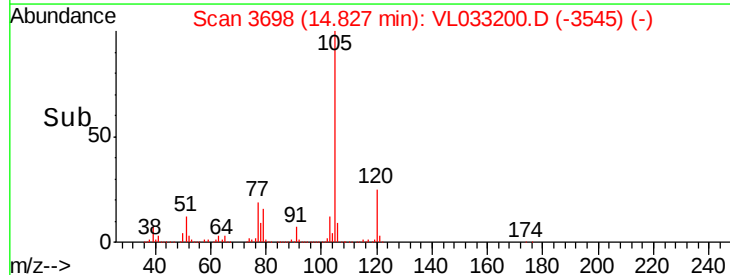
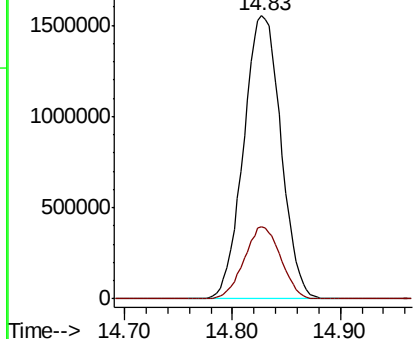
#62
Isopropylbenzene
Concen: 8.850 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

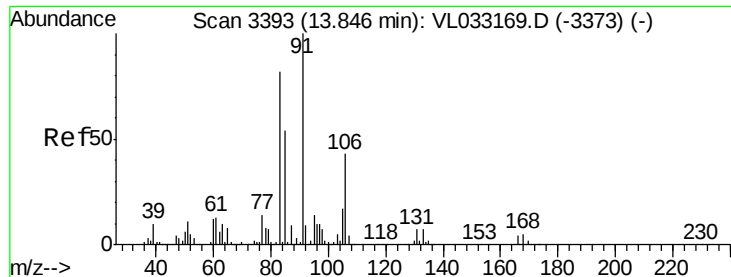
Tgt Ion:105 Resp: 3738530

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.3	30.5



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





#63

1,1,2,2-Tetrachloroethane

Concen: 7.850 ppbv

RT: 13.84 min Scan# 3390

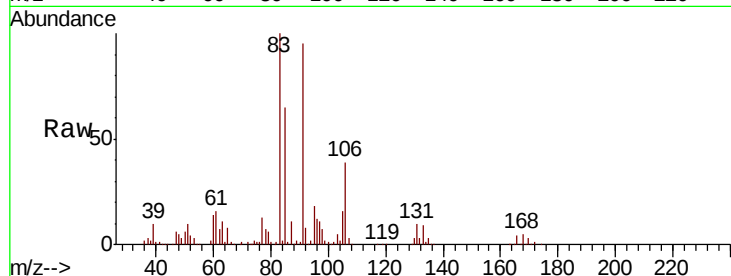
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tot Ion: 83 Resp: 1834807

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	64.5	32.8	98.3

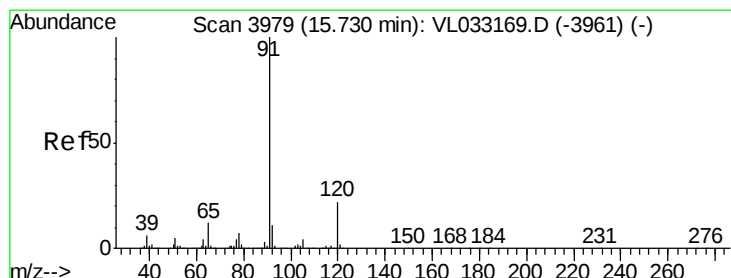
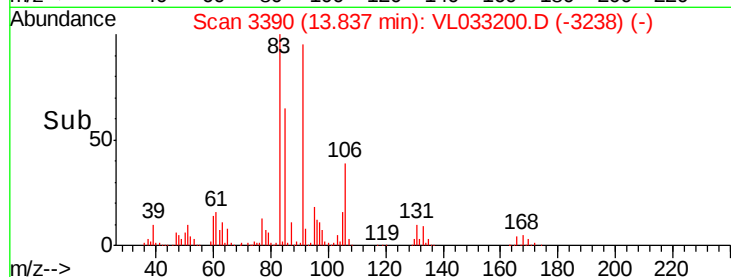
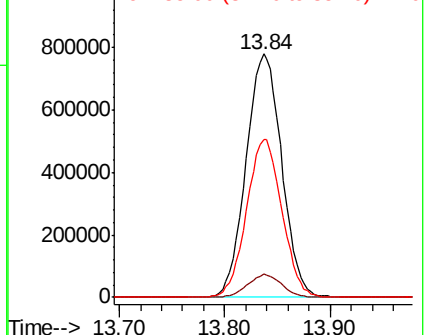


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.855 ppbv

RT: 15.72 min Scan# 3976

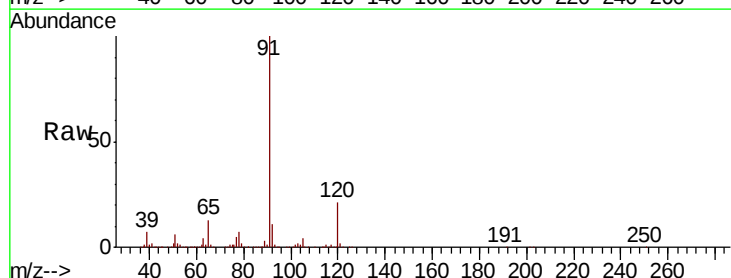
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion:120 Resp: 950958

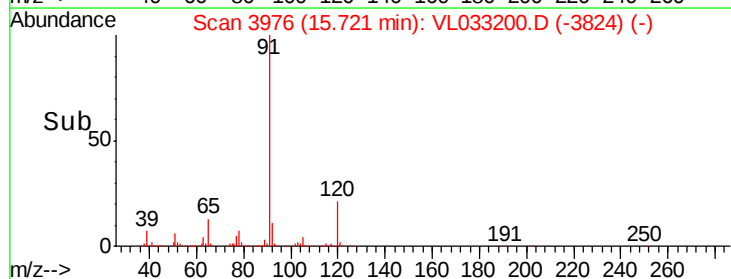
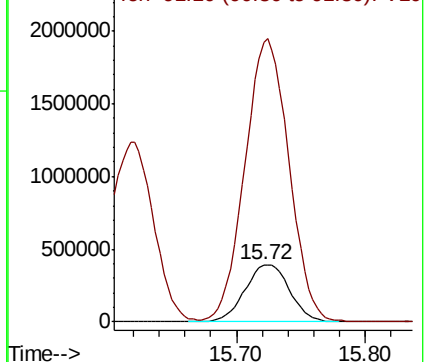
Ion	Ratio	Lower	Upper
120	100		
91	488.2	383.9	575.9

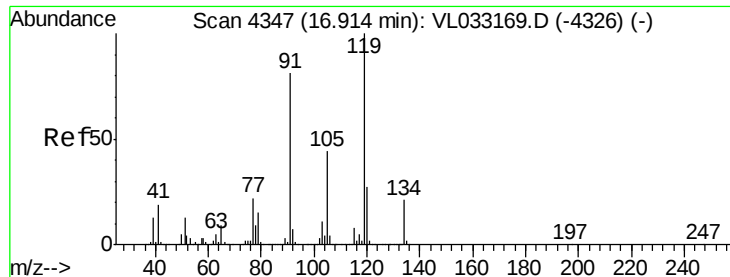


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.802 ppbv

RT: 16.91 min Scan# 4345

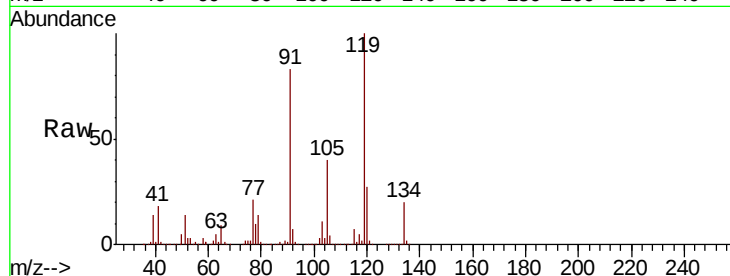
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tot Ion:119 Resp: 3237665

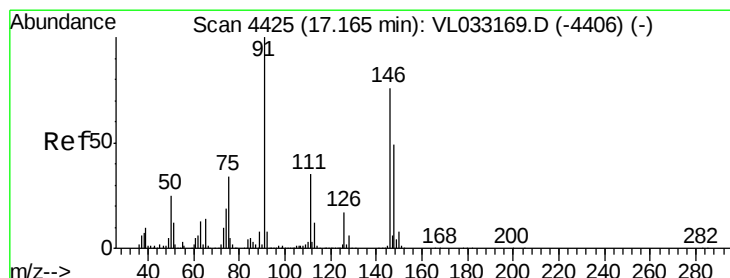
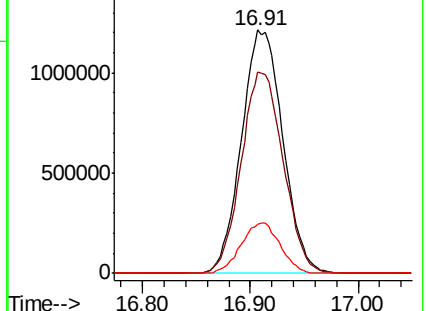
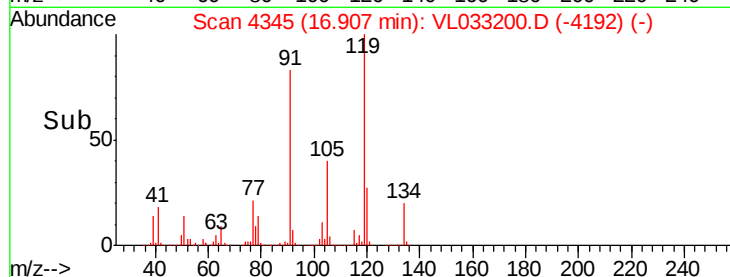
Ion	Ratio	Lower	Upper
119	100		
91	84.0	65.6	98.4
134	19.7	15.8	23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.459 ppbv

RT: 17.16 min Scan# 4423

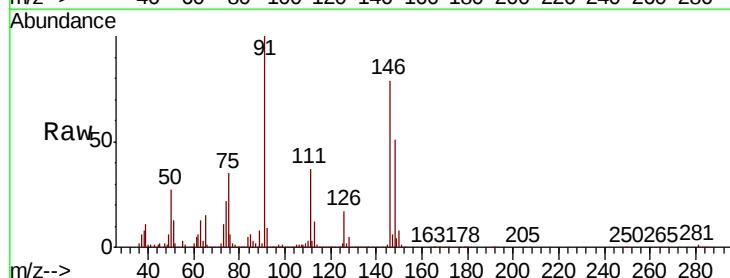
Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion: 91 Resp: 1637750

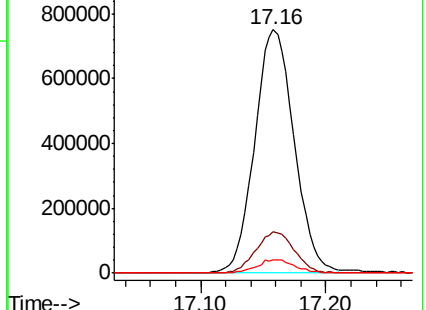
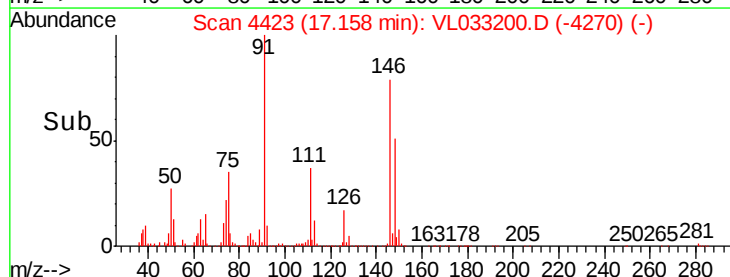
Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.8	20.6
128	5.4	4.5	6.7

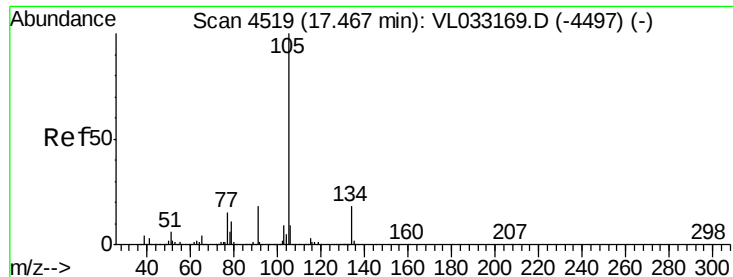


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.841 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033200.D

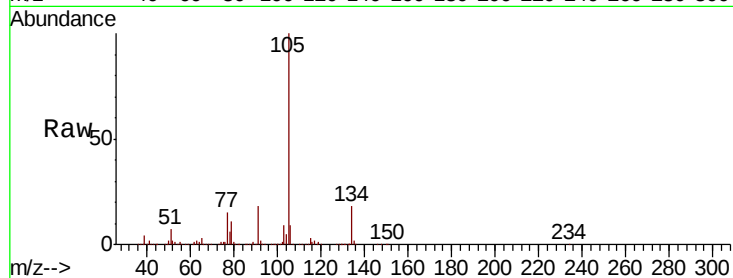
Acq: 14 Feb 2019 14:49

Tot Ion: 105 Resp: 4720618

Ion Ratio Lower Upper

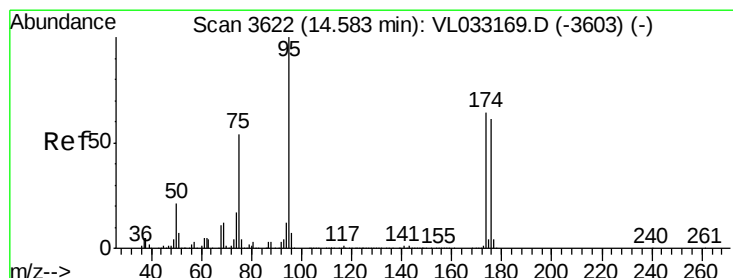
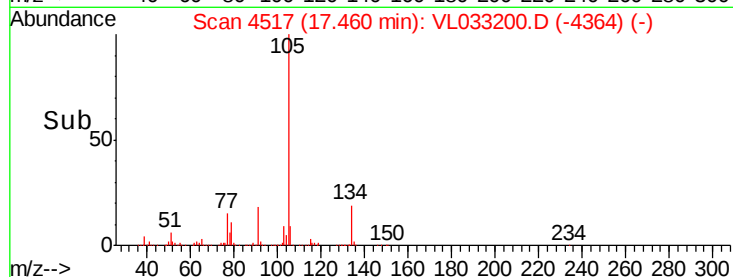
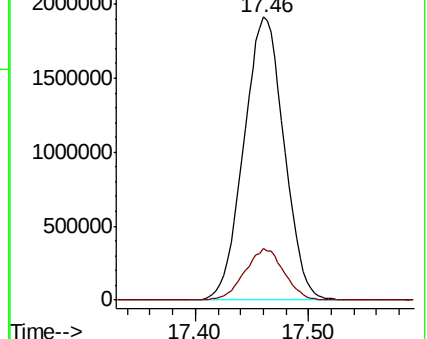
105 100

134 17.7 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.905 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

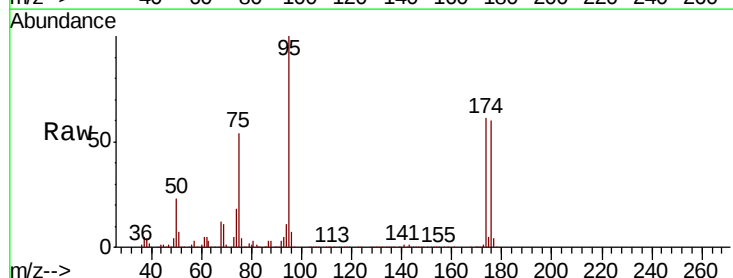
Tgt Ion: 95 Resp: 1735686

Ion Ratio Lower Upper

95 100

174 64.4 51.1 76.7

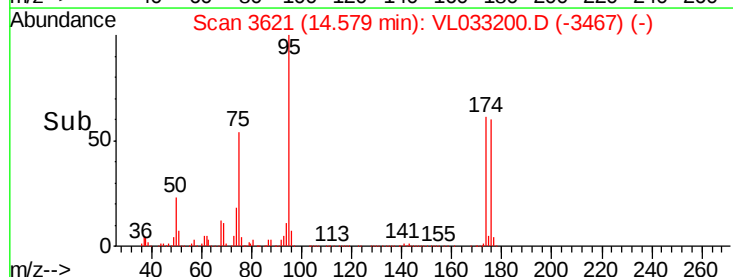
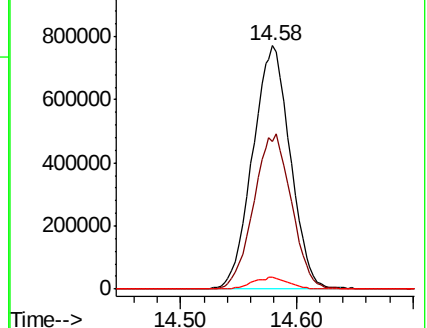
175 4.5 3.8 5.6

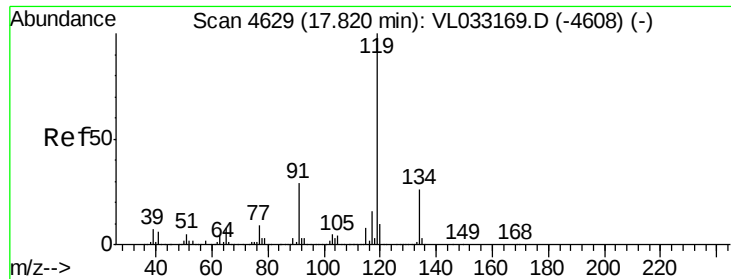


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

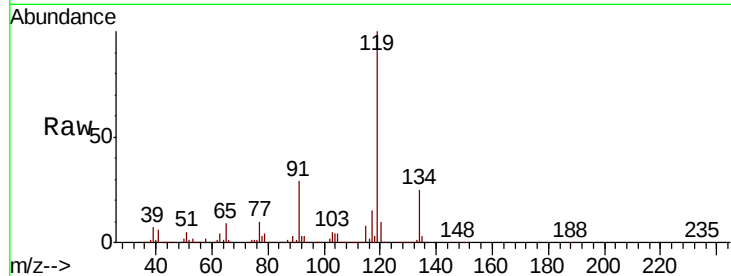
Ion 175.00 (174.70 to 175.70): V



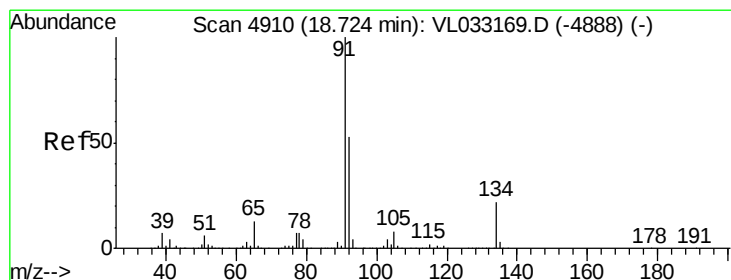
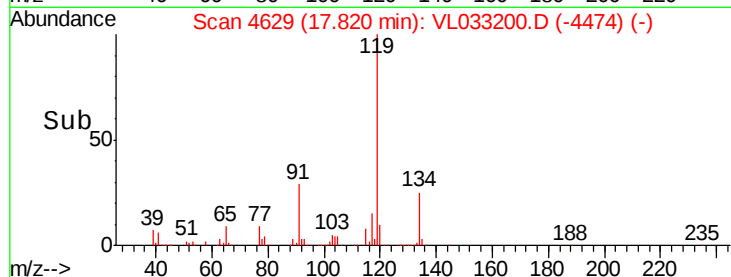
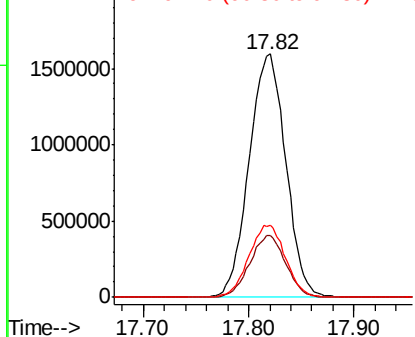


#69
 p-Isopropyltoluene
 Concen: 8.686 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

Tot Ion: 119 Resp: 3862461
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.4 30.6
 91 29.8 23.4 35.0

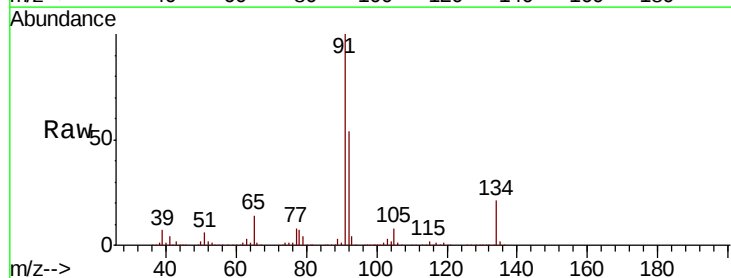


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

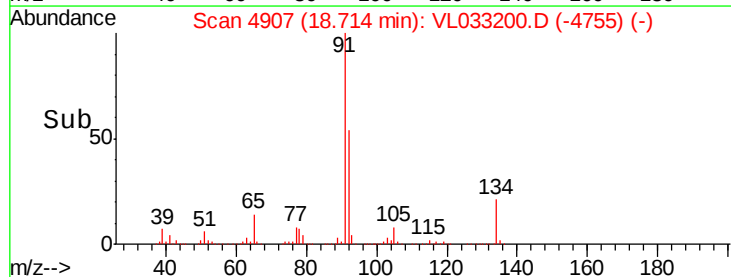
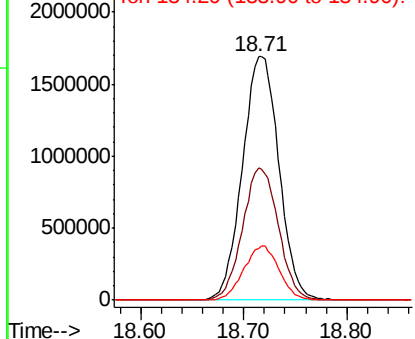


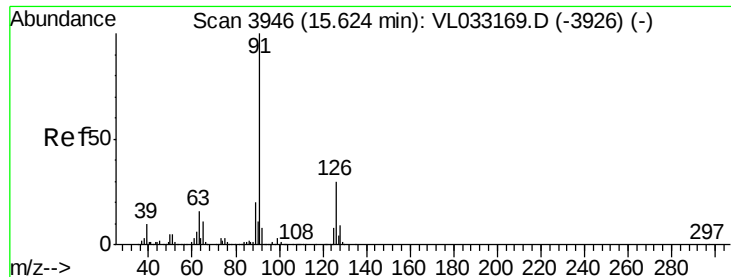
#70
 n-Butylbenzene
 Concen: 8.639 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.01 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

Tgt Ion: 91 Resp: 4144817
 Ion Ratio Lower Upper
 91 100
 92 53.5 43.0 64.4
 134 21.8 17.5 26.3



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





#71

2-Chlorotoluene

Concen: 8.805 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033200.D

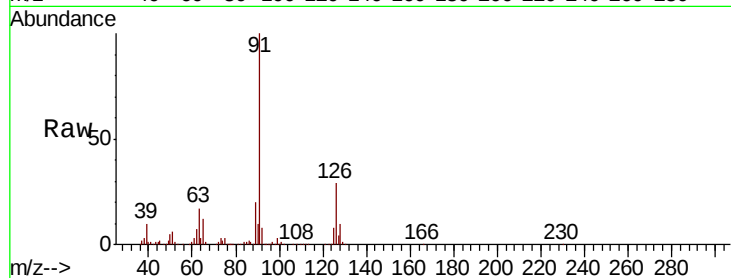
Acq: 14 Feb 2019 14:49

Tot Ion: 91 Resp: 2922047

Ion Ratio Lower Upper

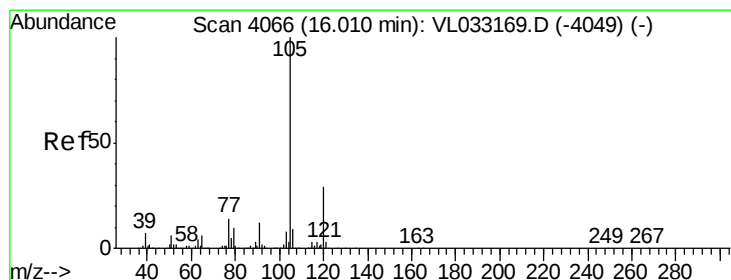
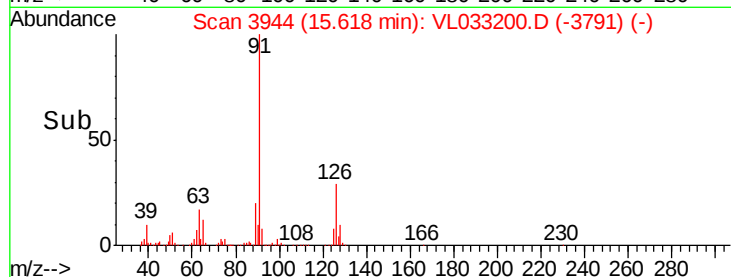
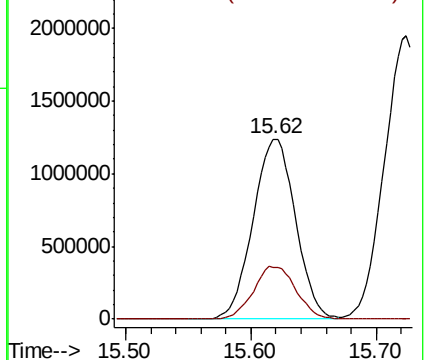
91 100

126 29.4 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.011 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

Tgt Ion:105 Resp: 3111395

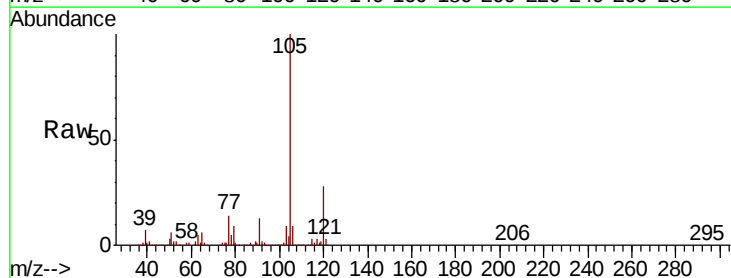
Ion Ratio Lower Upper

105 100

120 28.5 23.1 34.7

91 12.7 9.8 14.6

77 14.0 10.9 16.3

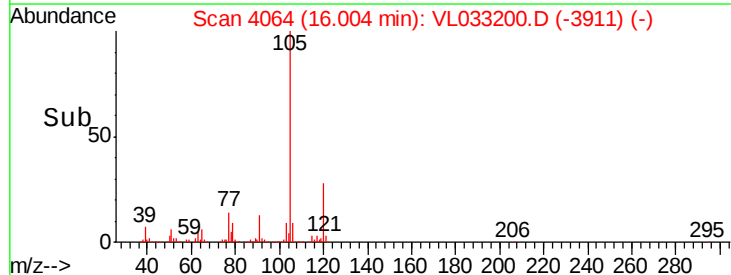
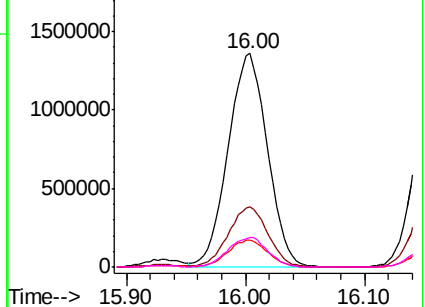


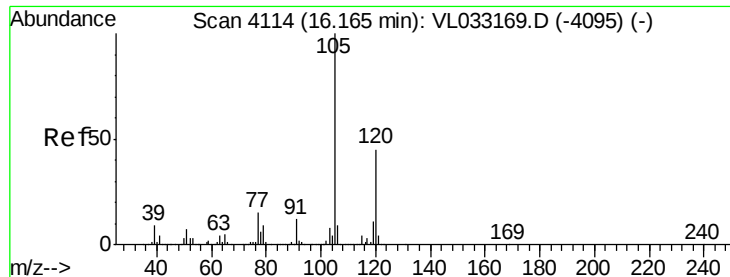
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

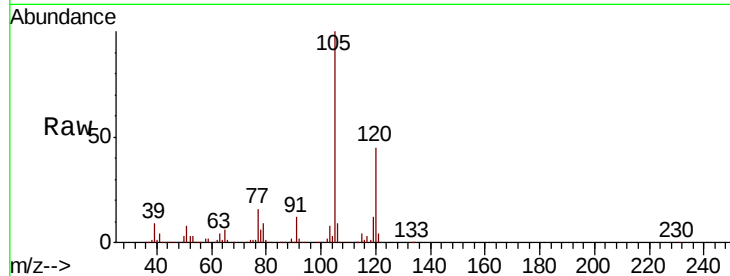




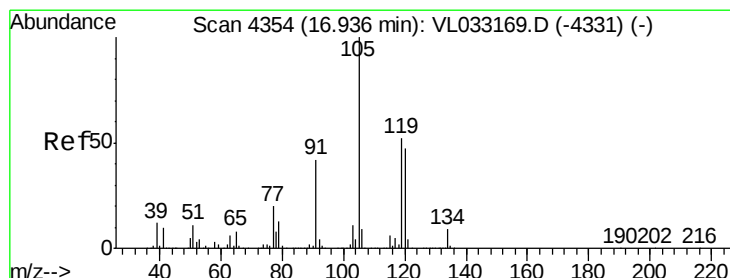
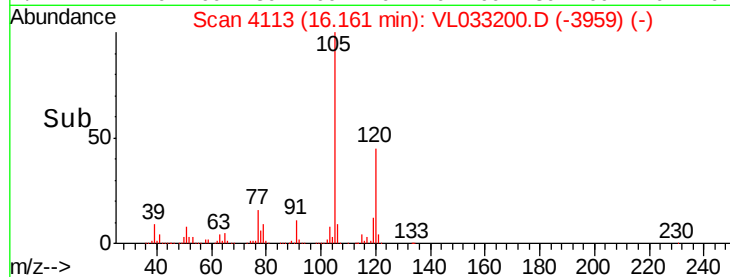
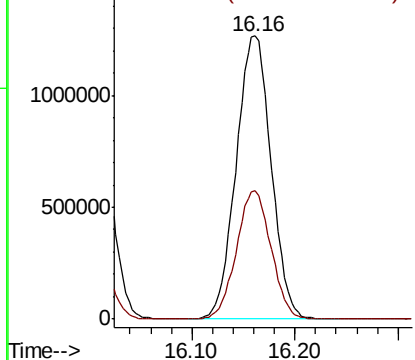
#73

1,3,5-Trimethylbenzene
Concen: 9.026 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:105 Resp: 2980832
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.4



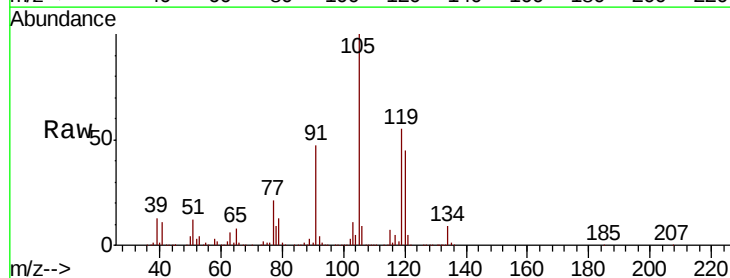
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



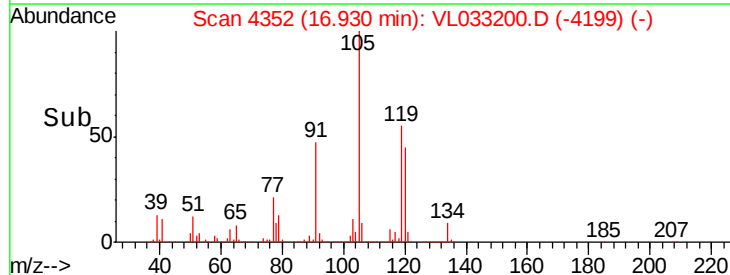
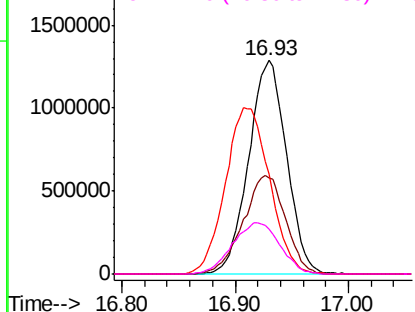
#74

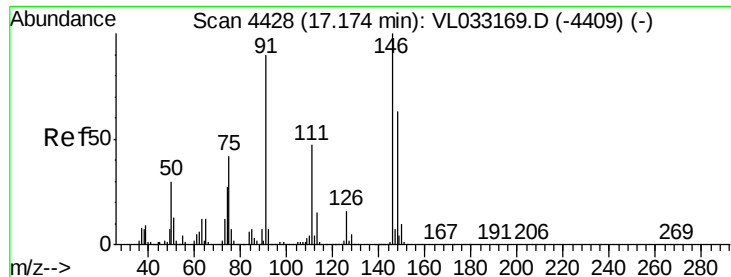
1,2,4-Trimethylbenzene
Concen: 8.731 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion:105 Resp: 2990646
Ion Ratio Lower Upper
105 100
120 44.8 37.9 56.9
91 46.4 34.0 51.0
77 20.7 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





#75

1,3-Dichlorobenzene

Concen: 8.739 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

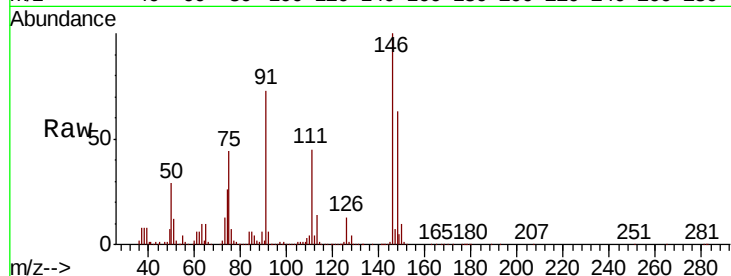
Tot Ion:146 Resp: 1726349

Ion Ratio Lower Upper

146 100

111 45.7 23.2 69.6

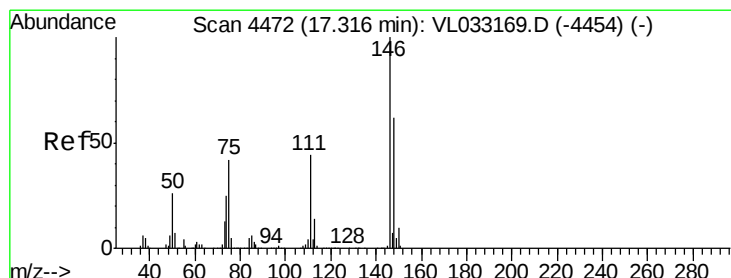
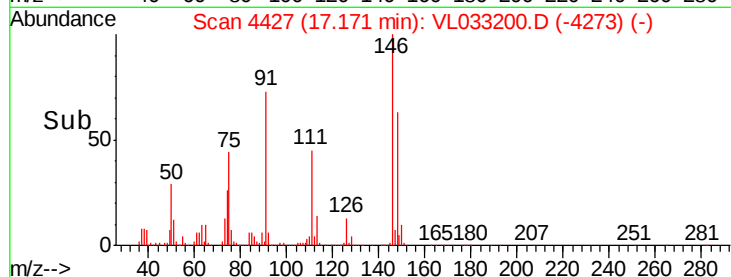
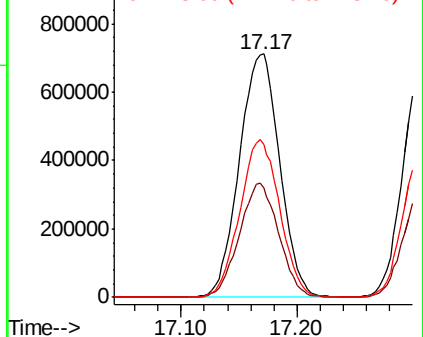
148 64.1 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.935 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

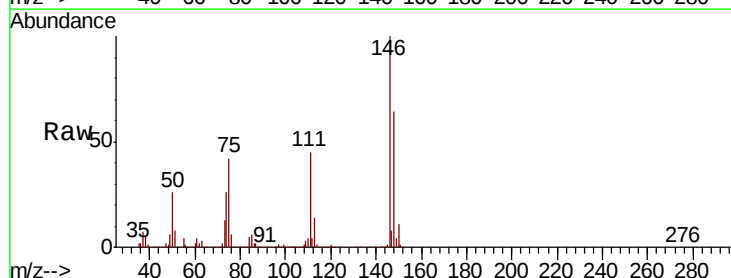
Tgt Ion:146 Resp: 1748917

Ion Ratio Lower Upper

146 100

111 44.5 22.3 66.9

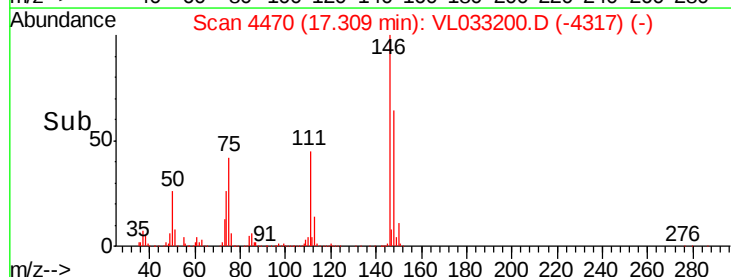
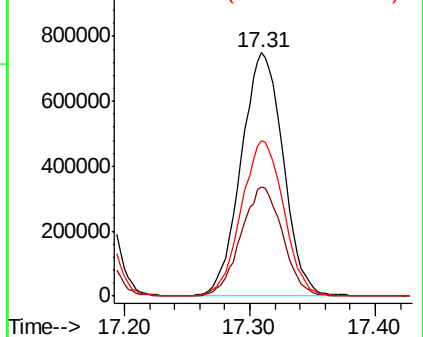
148 64.4 32.0 96.0

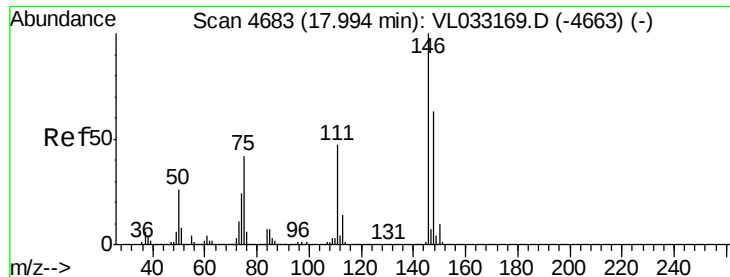


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.871 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

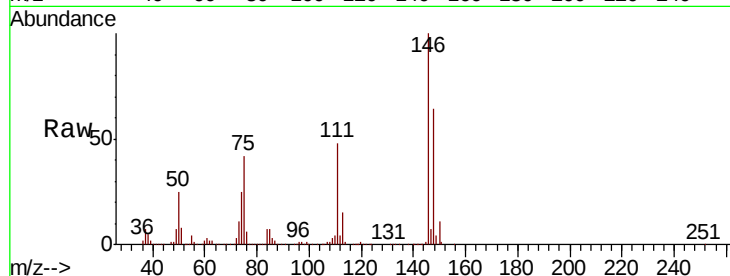
Tot Ion:146 Resp: 1731794

Ion Ratio Lower Upper

146 100

111 47.3 23.5 70.6

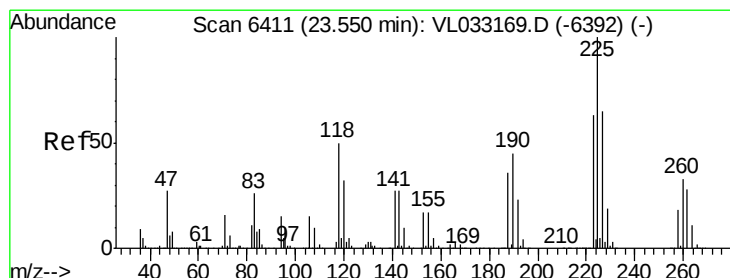
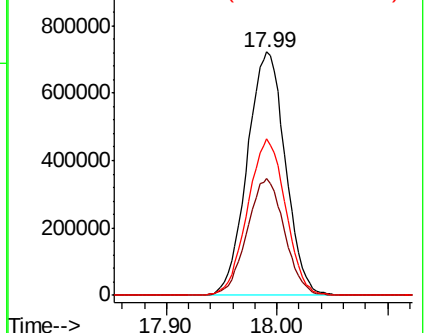
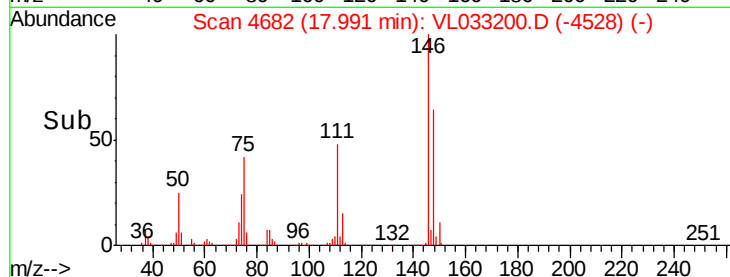
148 64.1 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 12.708 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033200.D

Acq: 14 Feb 2019 14:49

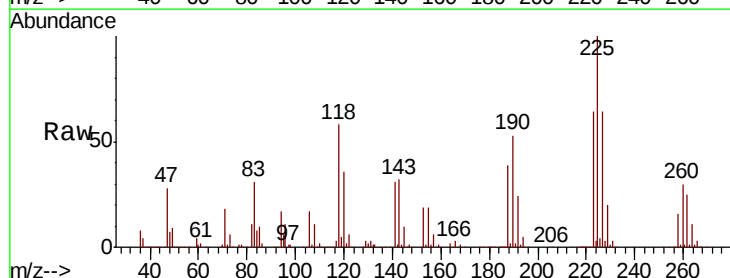
Tgt Ion:225 Resp: 1233553

Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

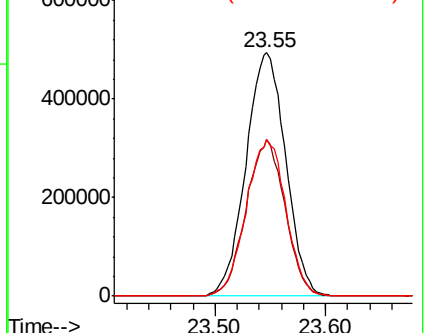
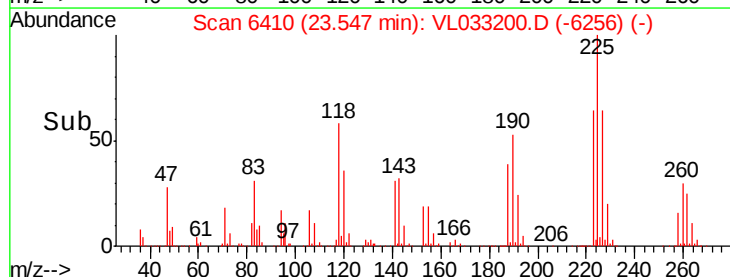
227 64.0 51.4 77.2

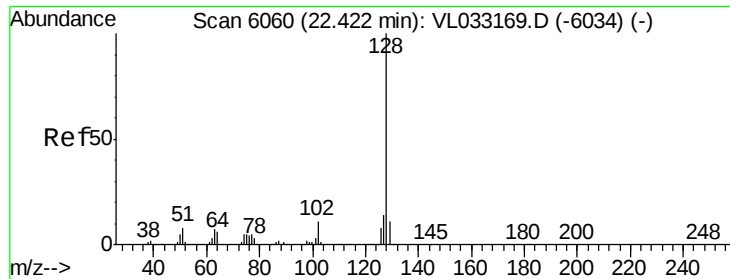


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

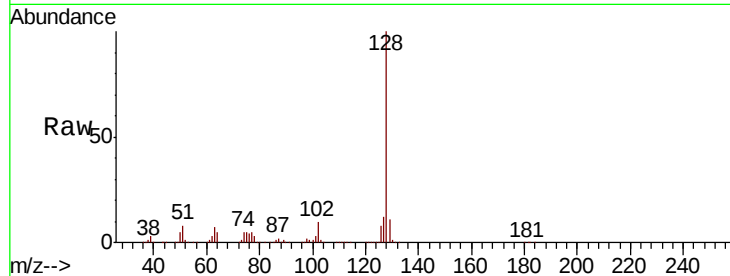
Ion 226.90 (226.60 to 227.60): V



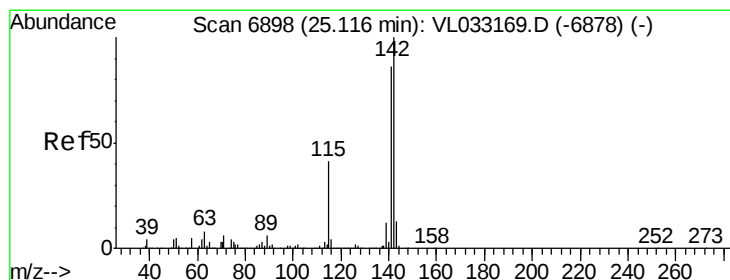
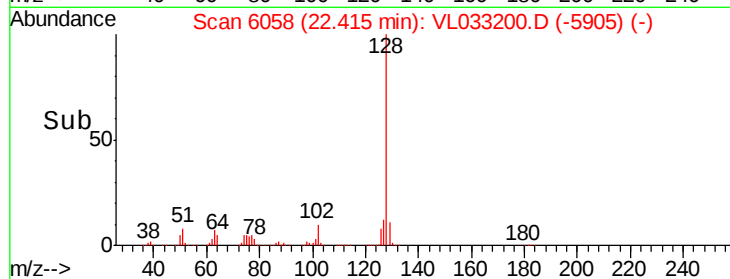
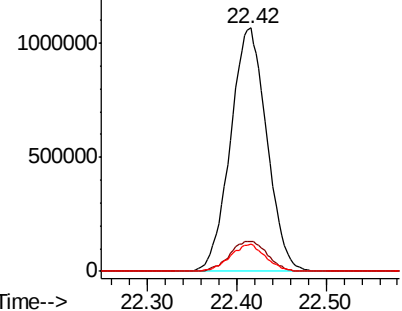


#79
Naphthalene
Concen: 8.194 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tot Ion:128 Resp: 3016264
Ion Ratio Lower Upper
128 100
127 12.1 11.0 16.4
129 11.0 8.6 12.8

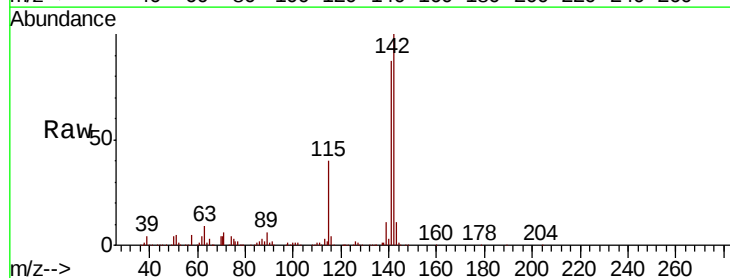


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

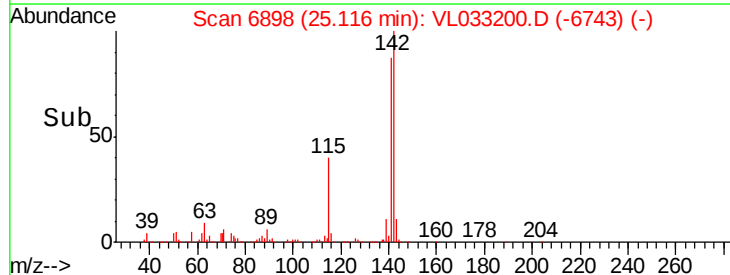
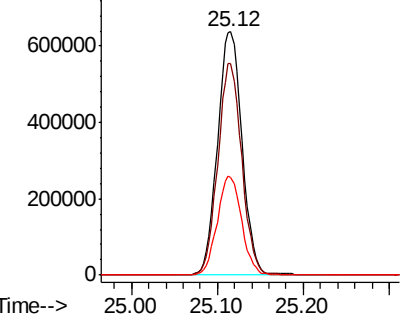


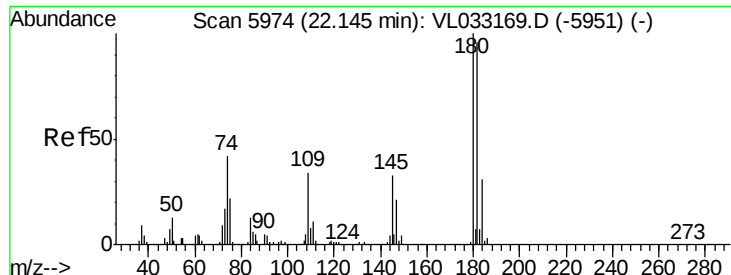
#80
Naphthalene, 2-methyl-
Concen: 6.769 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033200.D
Acq: 14 Feb 2019 14:49

Tgt Ion:142 Resp: 1260216
Ion Ratio Lower Upper
142 100
141 85.0 67.7 101.5
115 40.7 32.7 49.1



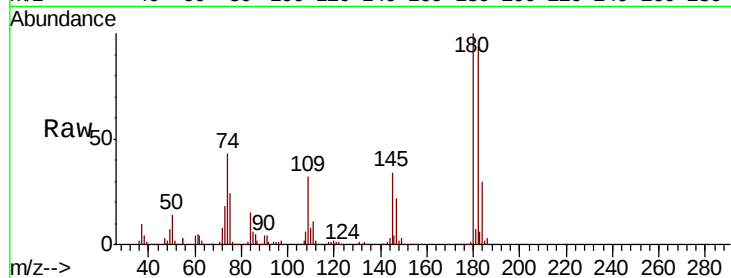
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.045 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033200.D
 Acq: 14 Feb 2019 14:49

Tot Ion:180 Resp: 1504246
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 184 30.2 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

