

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033254.D
 Acq On : 6 Mar 2019 14:16
 Operator : SY/AP
 Sample : VL0306ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 20:48:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
 QLast Update : Wed Mar 06 08:43:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	876995	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2046940	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2153383m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1614354	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1283513	10.360	ppbv 98
3) Chlorodifluoromethane	3.02	51	1005364	10.017	ppbv 99
4) Chloromethane	3.17	50	531295	10.282	ppbv 98
5) Vinyl Chloride	3.29	62	518834	8.955	ppbv 98
6) Bromomethane	3.52	94	323089	9.751	ppbv 96
7) Chloroethane	3.60	64	188824	9.754	ppbv 95
8) Dichlorotetrafluoroethane	3.22	85	1256864	10.263	ppbv 99
9) Propene	3.04	41	458183	10.244	ppbv 99
10) Heptane	8.25	43	1192407	9.799	ppbv 100
11) Trichlorofluoromethane	4.01	101	1379831	9.486	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	933595	9.900	ppbv 100
13) Ethanol	3.65	45	121591	9.092	ppbv 94
14) Bromoethene	3.79	108	409471	10.306	ppbv 99
15) Acetone	3.90	43	953260	8.446	ppbv 99
16) 1,3-Butadiene	3.36	39	468810	10.402	ppbv 100
17) tert-Butyl alcohol	4.35	59	189988	10.329	ppbv 96
18) 1,1-Dichloroethene	4.35	96	409426	9.751	ppbv 98
19) Isopropyl Alcohol	4.02	45	720860	10.744	ppbv 100
20) Methylene Chloride	4.41	84	348170	8.140	ppbv 98
21) Allyl Chloride	4.48	41	660326	10.484	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	428023	9.986	ppbv 99
23) Vinyl Acetate	5.16	43	1676339	10.070	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1141589	9.618	ppbv 99
25) Ethyl Acetate	5.77	43	1980739	9.573	ppbv 100
26) Hexane	5.78	57	884291	9.143	ppbv 98
27) Carbon Disulfide	4.62	76	1052674	11.291	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1329333	9.965	ppbv 100
29) Chloroform	5.85	83	1458369	9.694	ppbv 98
30) Cyclohexane	7.25	84	741646	10.241	ppbv 98
31) cis-1,2-Dichloroethene	5.64	61	920972	9.859	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	1409660	9.660	ppbv 99
34) 2-Butanone	5.33	43	1328160	9.365	ppbv 100
35) Carbon Tetrachloride	7.14	117	1457976	9.417	ppbv 99
36) Benzene	7.01	78	1870920	9.739	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1109747	9.280	ppbv 100
38) Trichloroethene	7.96	130	689173	9.499	ppbv 96
39) 1,2-Dichloropropane	7.74	63	711345	9.484	ppbv 98
40) 1,4-Dioxane	7.96	88	266881	9.590	ppbv # 100
41) Tetrahydrofuran	6.15	42	763024	9.792	ppbv 99
42) Bromodichloromethane	7.92	83	1590880	9.408	ppbv 99
43) Methyl Methacrylate	8.14	69	760836	9.789	ppbv 99

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Quant Time: Mar 07 20:48:00 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019

QLast Update : Wed Mar 06 08:43:44 2019

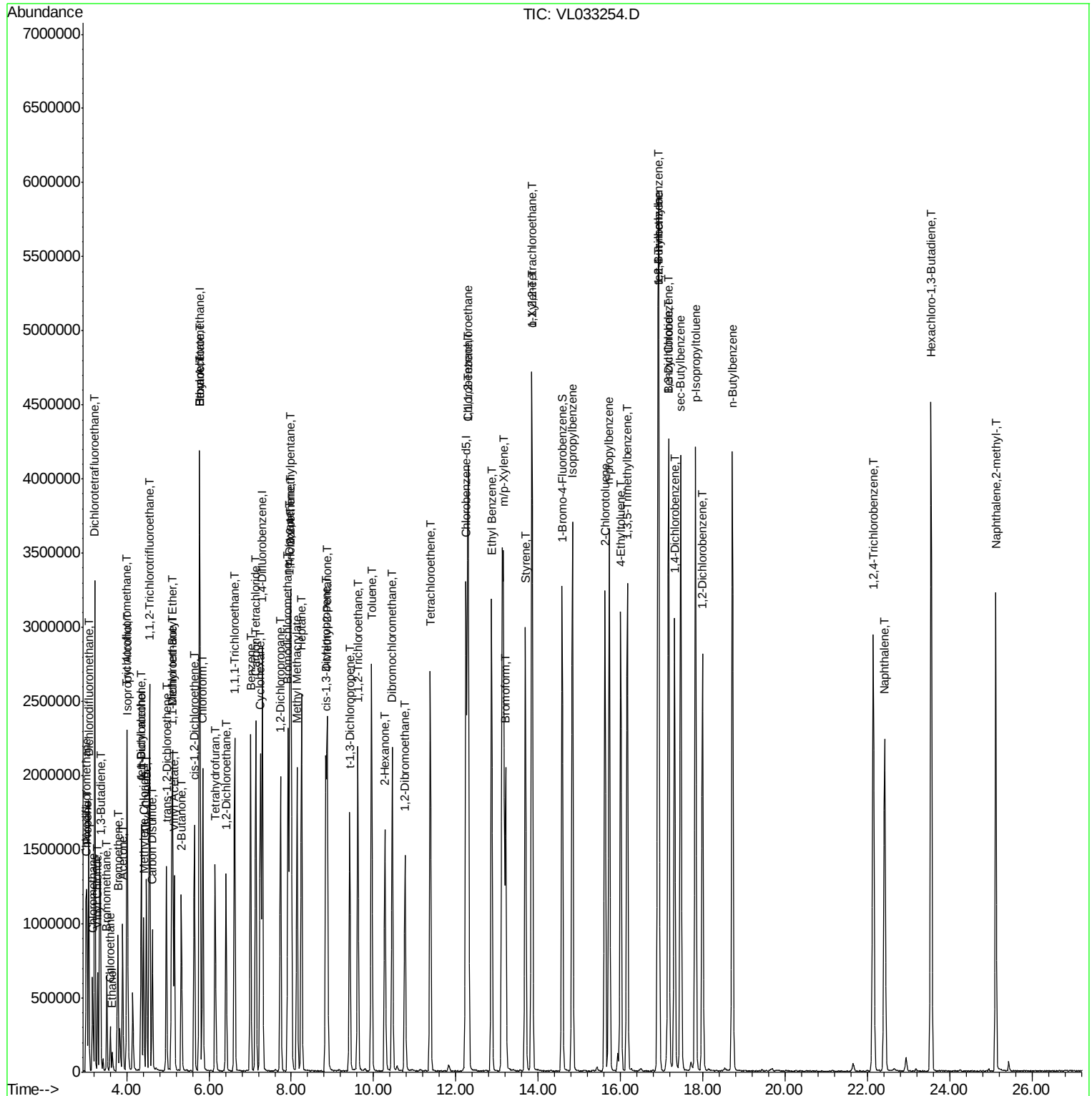
Response via : Initial Calibration

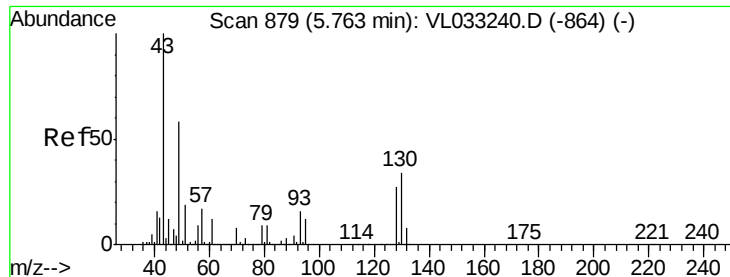
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3101857	9.130	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1047520	11.138	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1154989	10.295	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	771893	9.562	ppbv	97
48) Dibromochloromethane	10.45	129	1331893	10.186	ppbv	100
49) Bromoform	13.21	173	1158196	11.091	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1916211	9.134	ppbv	99
51) 2-Hexanone	10.27	43	1543001	9.834	ppbv #	100
52) Tetrachloroethene	11.38	164	681336	9.516	ppbv	97
53) Toluene	9.95	91	2206725	9.935	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1205195	9.828	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	929594	9.944	ppbv #	63
57) Chlorobenzene	12.30	112	1598866	9.536	ppbv	99
58) Ethyl Benzene	12.87	91	3045138	10.223	ppbv	98
59) m/p-Xylene	13.16	91	5082757m	20.025	ppbv	
60) o-Xylene	13.85	91	2381968	9.842	ppbv	100
61) Styrene	13.69	104	1796945	10.558	ppbv	100
62) Isopropylbenzene	14.83	105	3369254	9.986	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1609661	9.347	ppbv	99
64) n-propylbenzene	15.73	120	849734	10.160	ppbv	100
65) tert-Butylbenzene	16.91	119	2908058	10.095	ppbv	100
66) Benzyl Chloride	17.16	91	1471920	13.210	ppbv	99
67) sec-Butylbenzene	17.46	105	4181395	10.182	ppbv	100
69) p-Isopropyltoluene	17.82	119	3382421	10.186	ppbv	100
70) n-Butylbenzene	18.72	91	3591521	9.874	ppbv	100
71) 2-Chlorotoluene	15.62	91	2613363	10.130	ppbv	100
72) 4-Ethyltoluene	16.00	105	2790481	10.551	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2662264	10.487	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2663805	9.983	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1525153	9.773	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1560756	10.091	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1470059	9.703	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1172452	10.935	ppbv	99
79) Naphthalene	22.42	128	2964815	9.087	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1778128	18.241	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1391660	8.488	ppbv	100

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

```
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

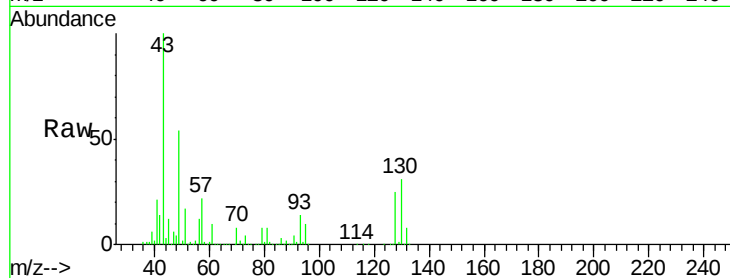
Tot Ion: 49 Resp: 876995

Ion Ratio Lower Upper

49 100

128 46.9 22.9 68.8

130 60.1 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

5.77

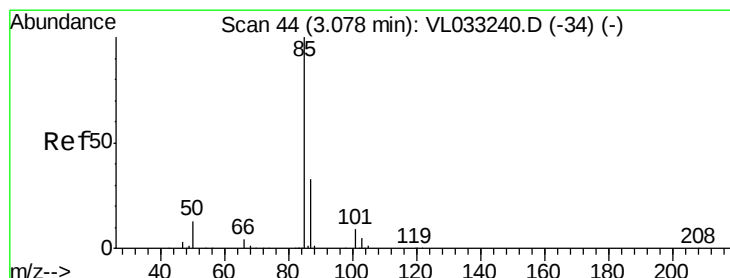
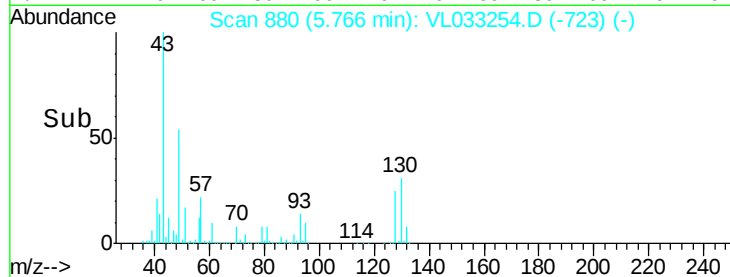
400000

200000

0

Time-->

5.70 5.75 5.80 5.85



#2

Dichlorodifluoromethane

Concen: 10.360 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033254.D

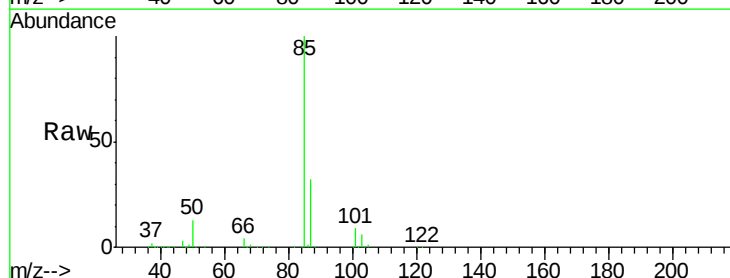
Acq: 6 Mar 2019 14:16

Tgt Ion: 85 Resp: 1283513

Ion Ratio Lower Upper

85 100

87 32.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1200000

1000000

800000

600000

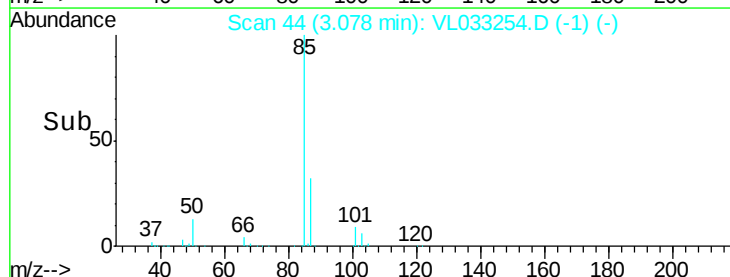
400000

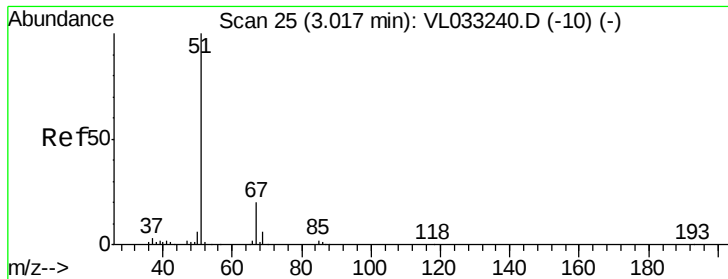
200000

0

Time-->

3.05 3.10 3.15





#3

Chlorodifluoromethane

Concen: 10.017 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033254.D

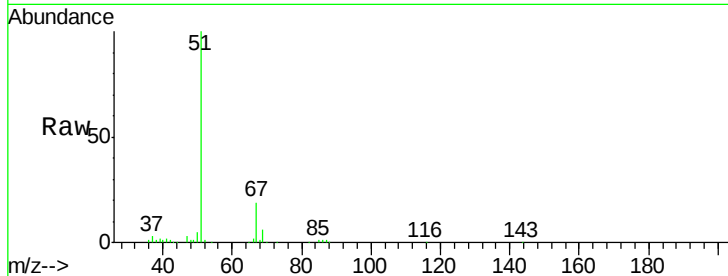
Acq: 6 Mar 2019 14:16

Tot Ion: 51 Resp: 1005364

Ion Ratio Lower Upper

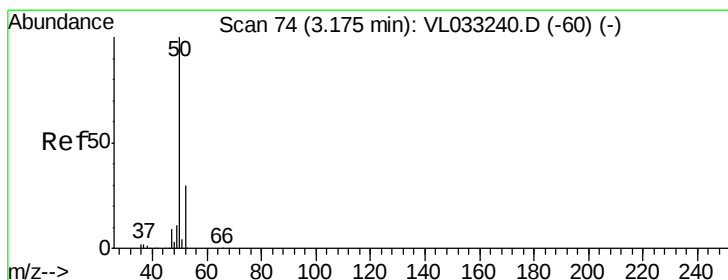
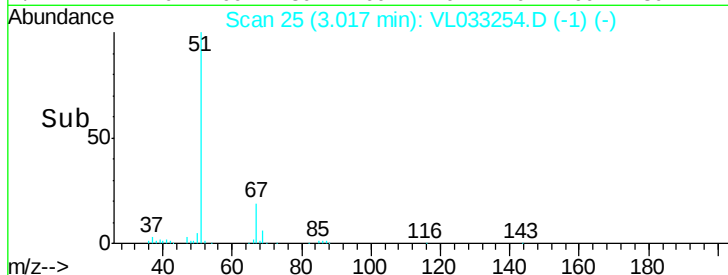
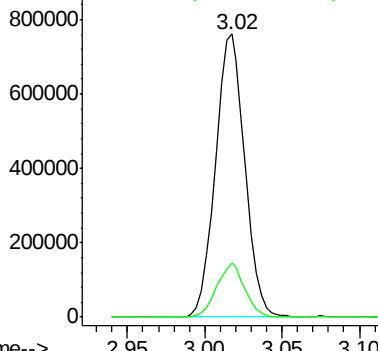
51 100

67 18.3 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: 10.282 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033254.D

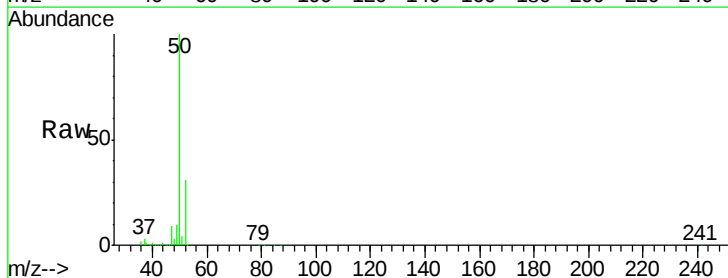
Acq: 6 Mar 2019 14:16

Tgt Ion: 50 Resp: 531295

Ion Ratio Lower Upper

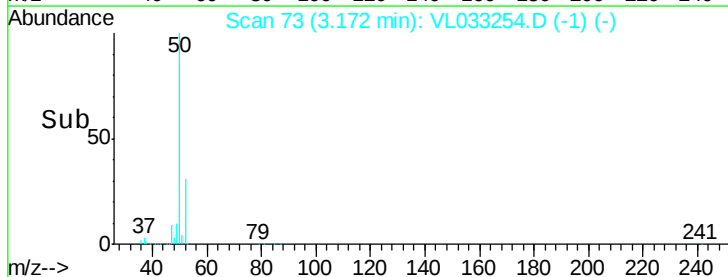
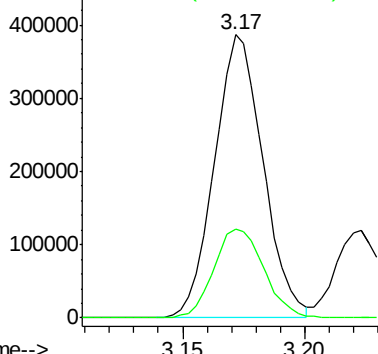
50 100

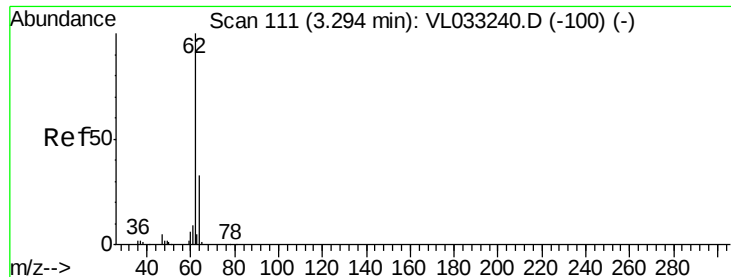
52 31.6 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.955 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033254.D

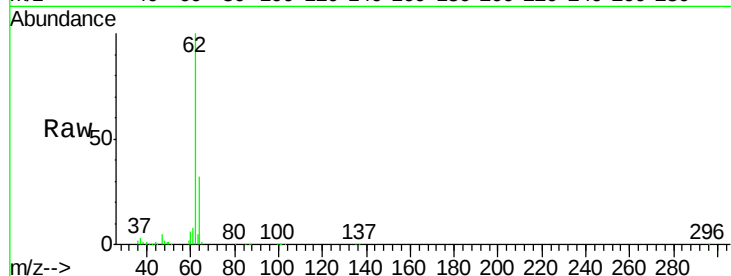
Acq: 6 Mar 2019 14:16

Tot Ion: 62 Resp: 518834

Ion Ratio Lower Upper

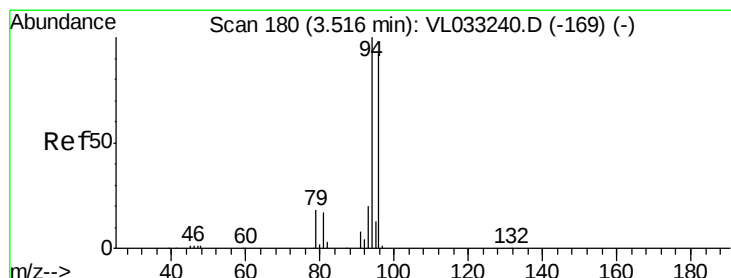
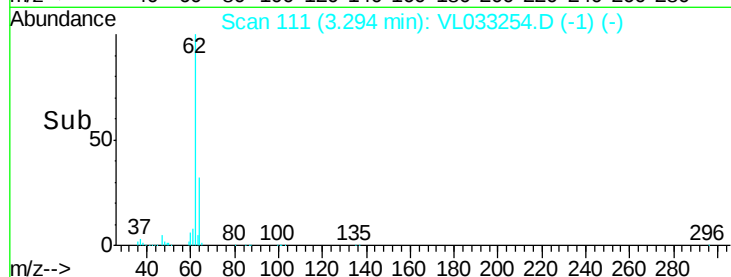
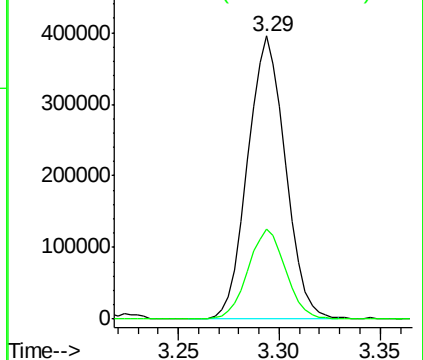
62 100

64 31.8 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: 9.751 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033254.D

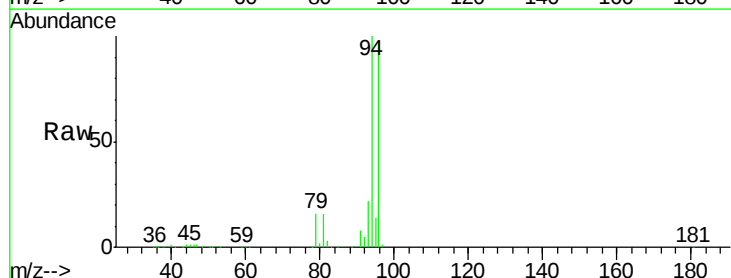
Acq: 6 Mar 2019 14:16

Tgt Ion: 94 Resp: 323089

Ion Ratio Lower Upper

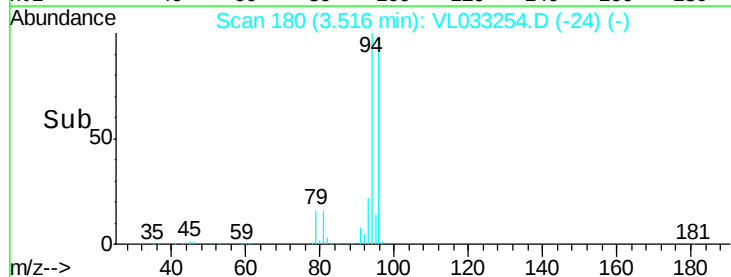
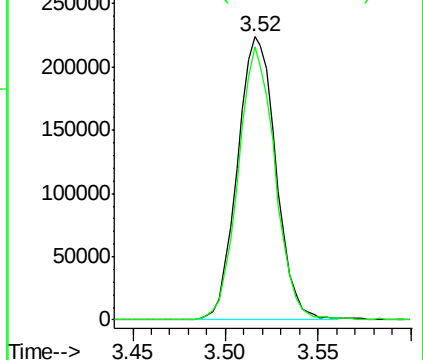
94 100

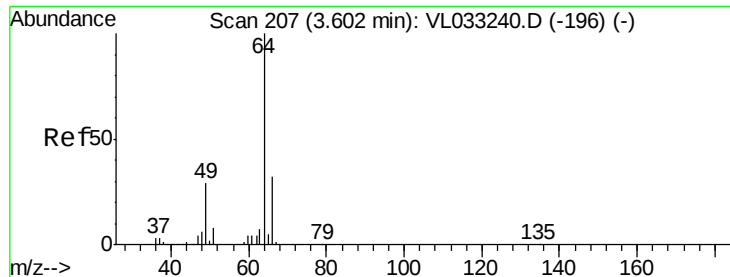
96 96.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.754 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033254.D

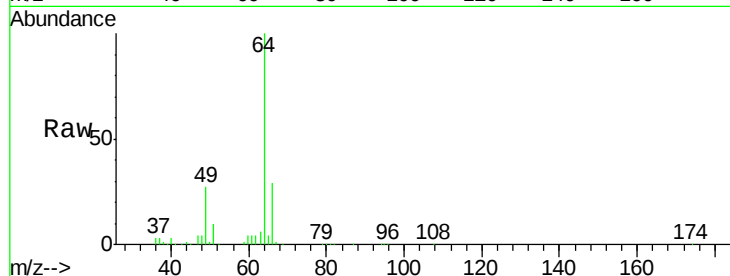
Acq: 6 Mar 2019 14:16

Tot Ion: 64 Resp: 188824

Ion Ratio Lower Upper

64 100

66 29.3 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

150000

100000

50000

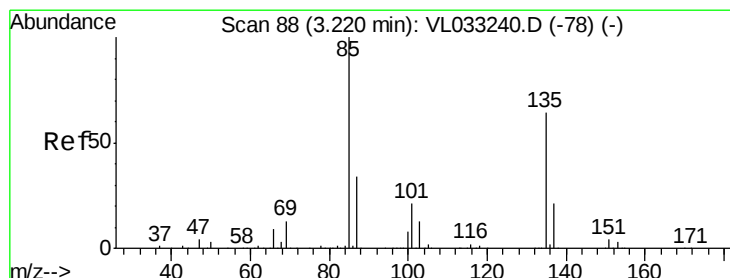
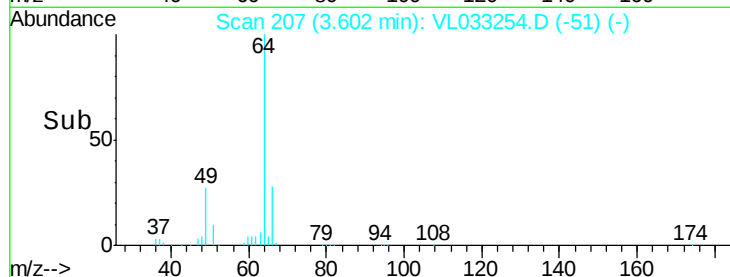
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Time-->

3.55

3.60

3.65



#8

Dichlorotetrafluoroethane

Concen: 10.263 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033254.D

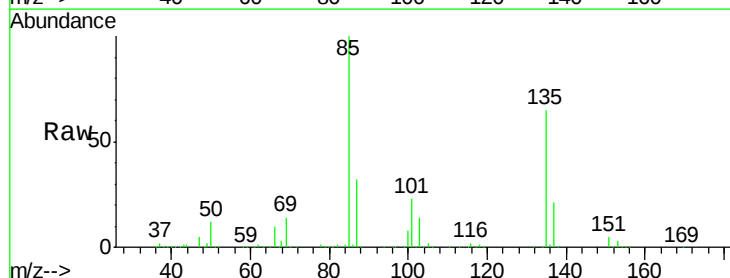
Acq: 6 Mar 2019 14:16

Tgt Ion: 85 Resp: 1256864

Ion Ratio Lower Upper

85 100

135 66.7 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

600000

400000

200000

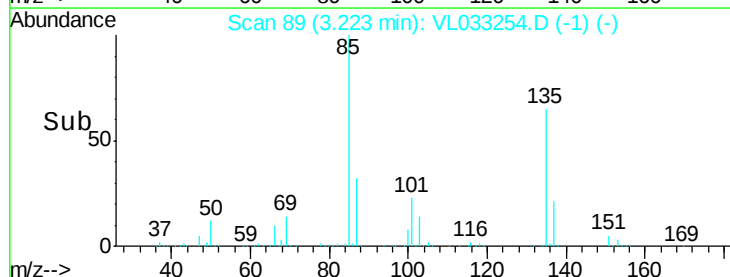
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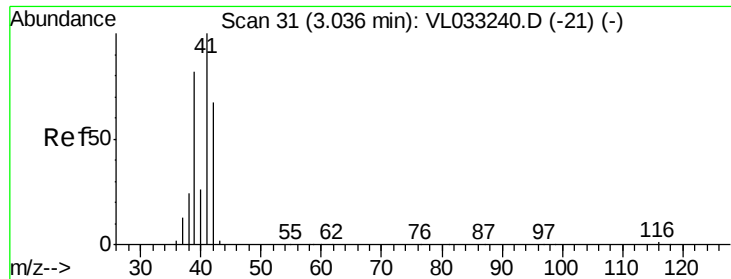
Time-->

3.15

3.20

3.25





#9

Propene

Concen: 10.244 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033254.D

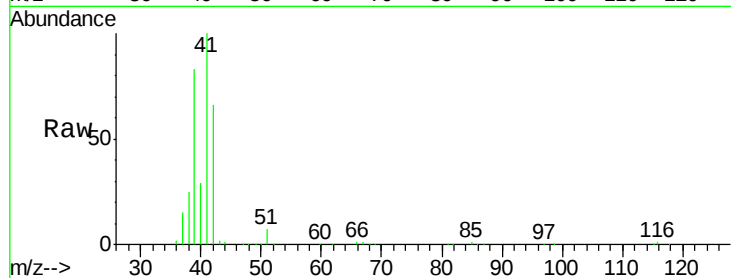
Acq: 6 Mar 2019 14:16

Tot Ion: 41 Resp: 458183

Ion Ratio Lower Upper

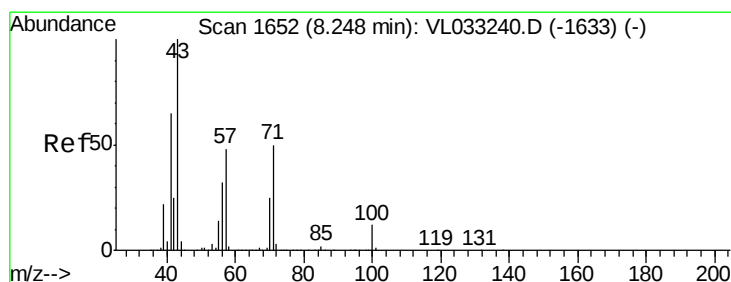
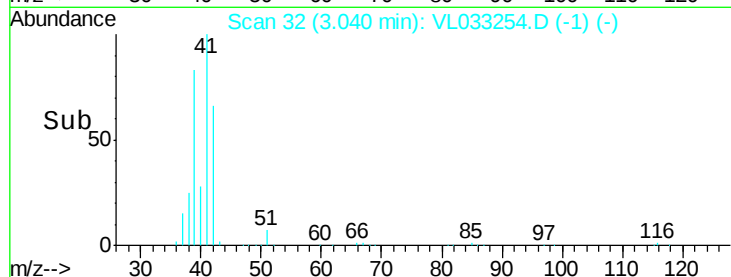
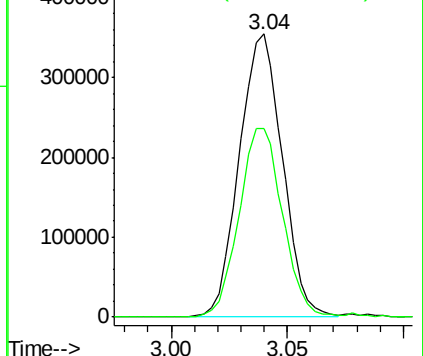
41 100

42 68.1 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: 9.799 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033254.D

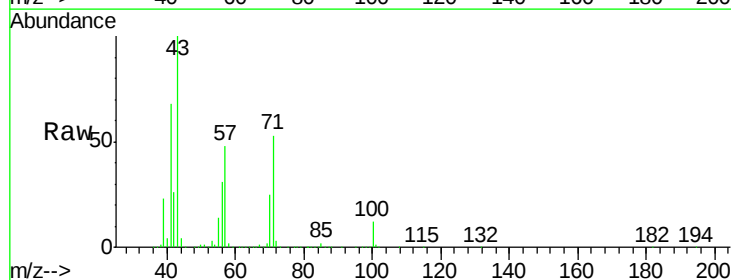
Acq: 6 Mar 2019 14:16

Tgt Ion: 43 Resp: 1192407

Ion Ratio Lower Upper

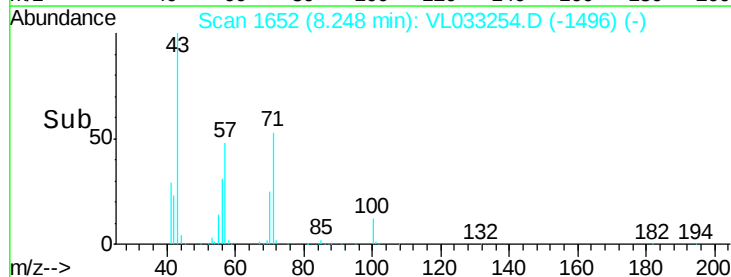
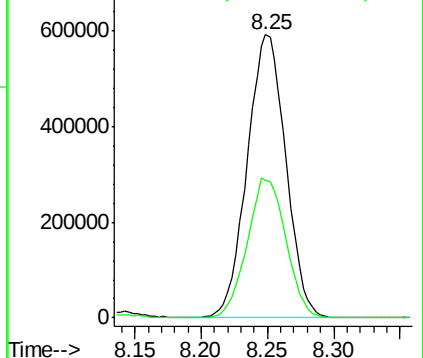
43 100

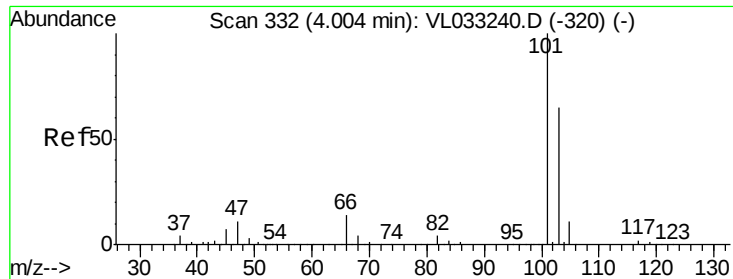
57 49.6 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.486 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033254.D

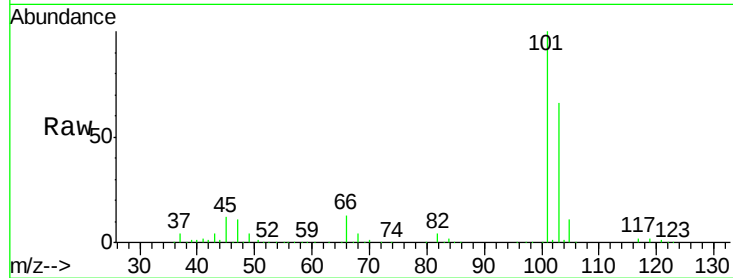
Acq: 6 Mar 2019 14:16

Tot Ion:101 Resp: 1379831

Ion Ratio Lower Upper

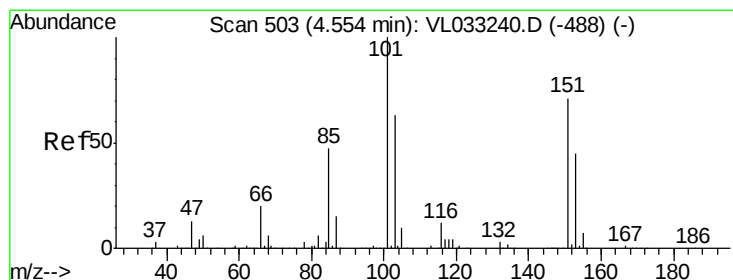
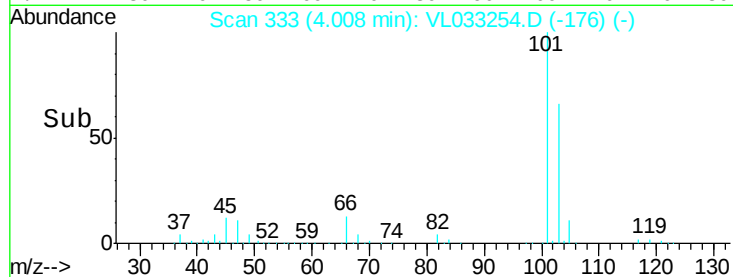
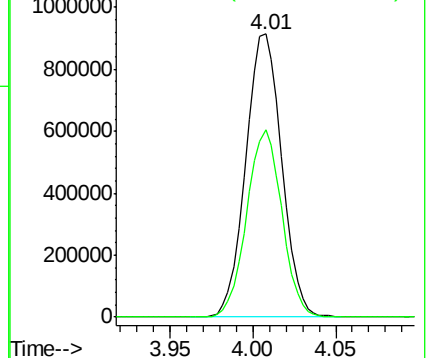
101 100

103 66.3 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.900 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033254.D

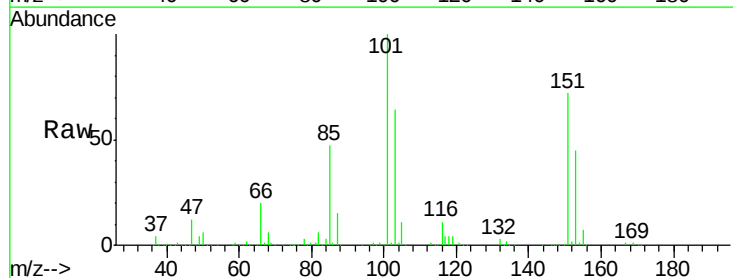
Acq: 6 Mar 2019 14:16

Tgt Ion:101 Resp: 933595

Ion Ratio Lower Upper

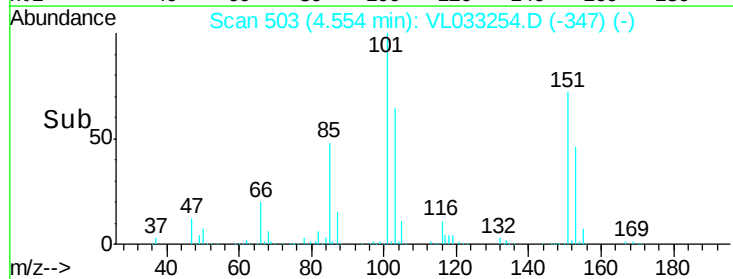
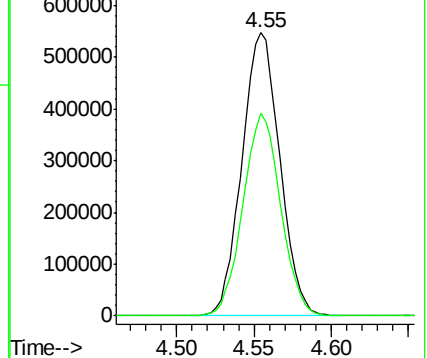
101 100

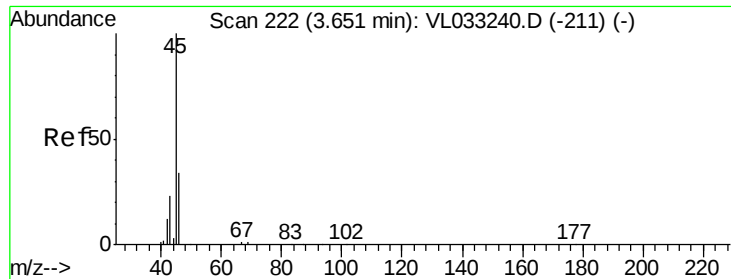
151 71.2 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.092 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033254.D

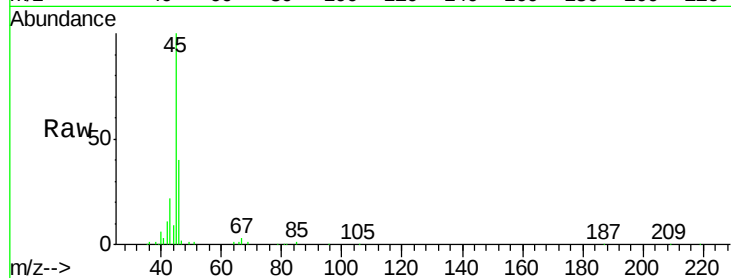
Acq: 6 Mar 2019 14:16

Tot Ion: 45 Resp: 121591

Ion Ratio Lower Upper

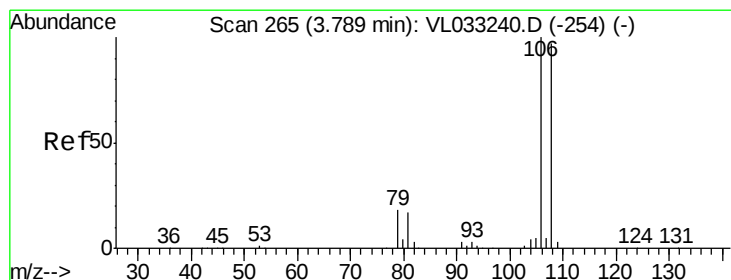
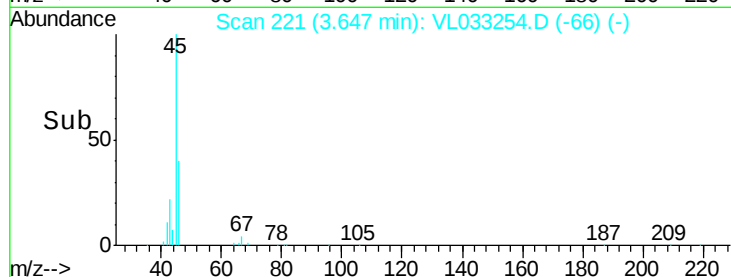
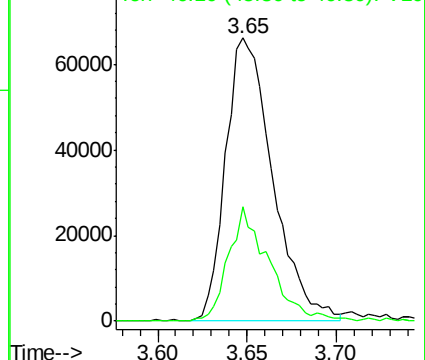
45 100

46 34.7 15.3 61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.306 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

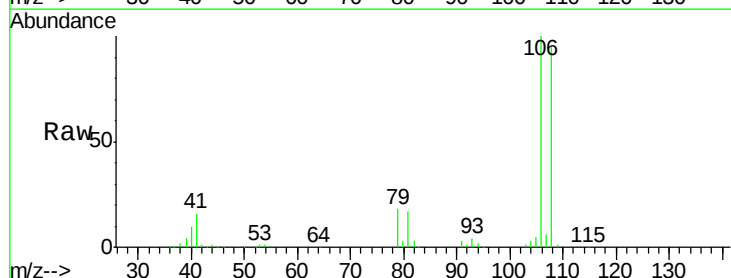
Tgt Ion: 108 Resp: 409471

Ion Ratio Lower Upper

108 100

106 107.4 85.5 128.3

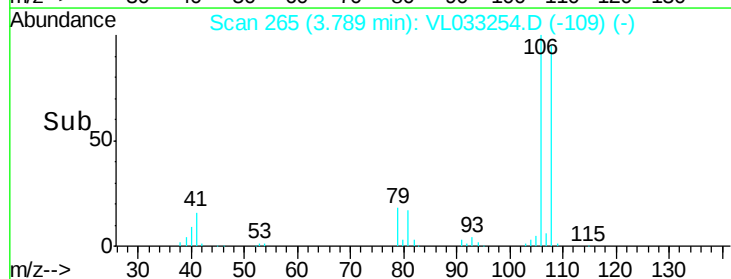
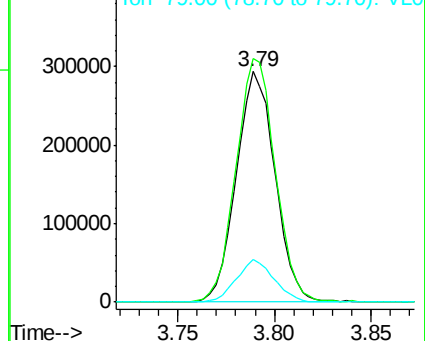
79 18.0 15.3 22.9

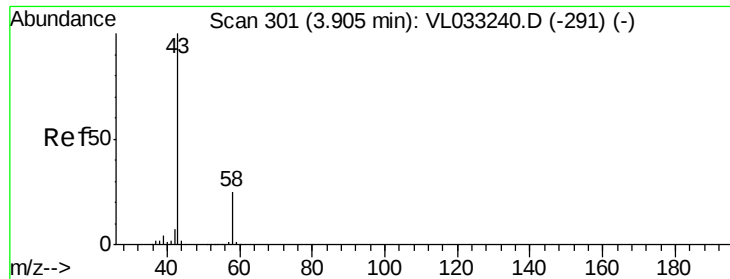


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.446 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033254.D

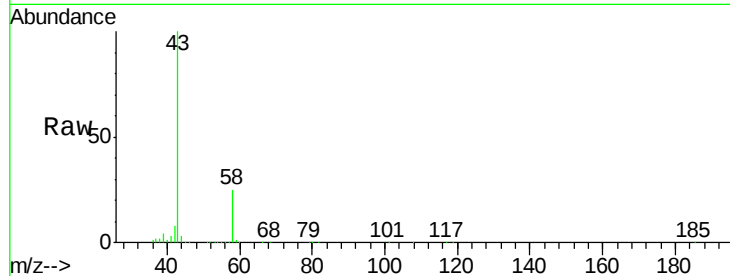
Acq: 6 Mar 2019 14:16

Tot Ion: 43 Resp: 953260

Ion Ratio Lower Upper

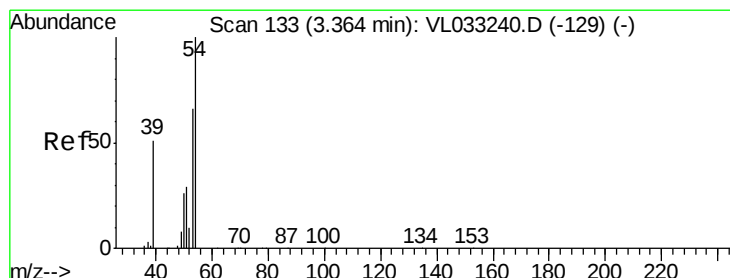
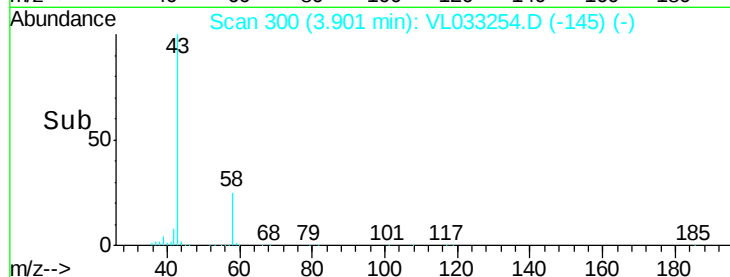
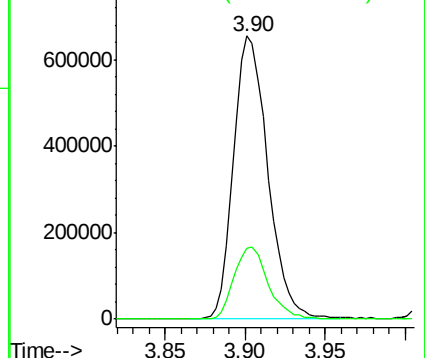
43 100

58 25.6 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: 10.402 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033254.D

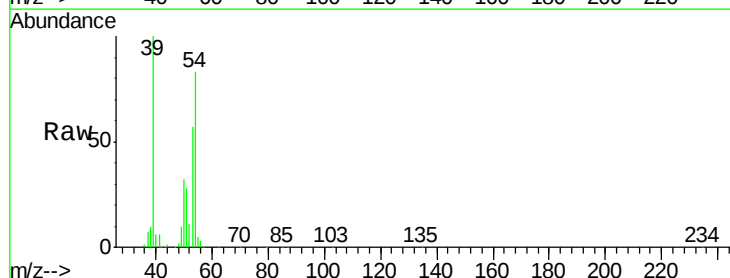
Acq: 6 Mar 2019 14:16

Tgt Ion: 39 Resp: 468810

Ion Ratio Lower Upper

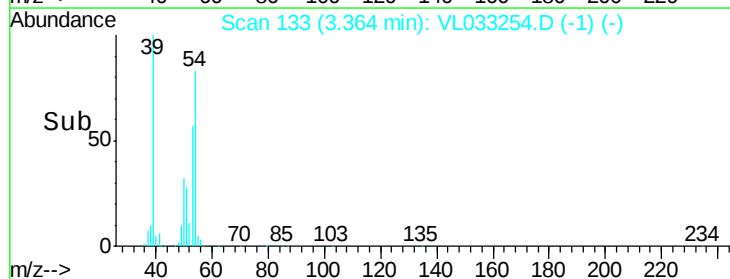
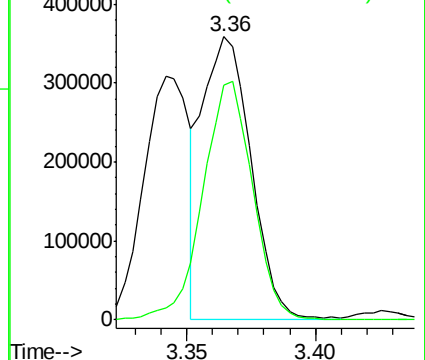
39 100

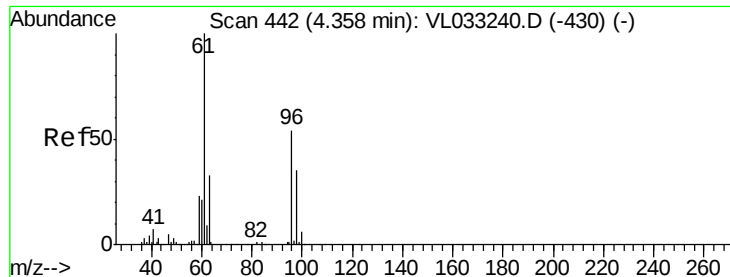
54 86.8 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

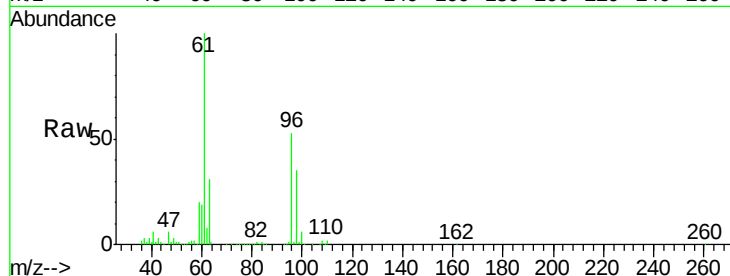
tert-Butyl alcohol
Concen: 10.329 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion: 59 Resp: 189988

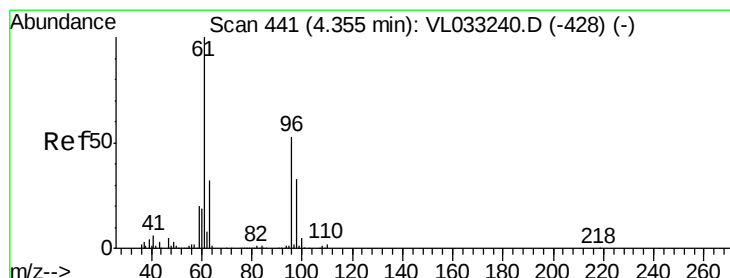
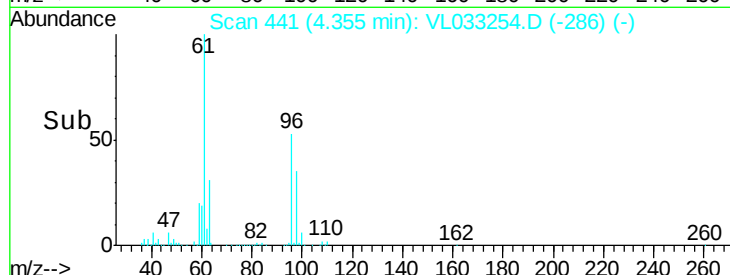
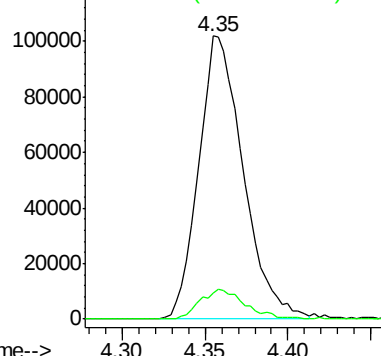
Ion Ratio Lower Upper

59 100

57 10.8 7.5 11.3



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.751 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

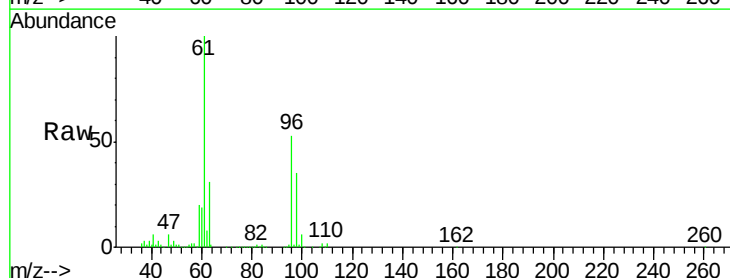
Tgt Ion: 96 Resp: 409426

Ion Ratio Lower Upper

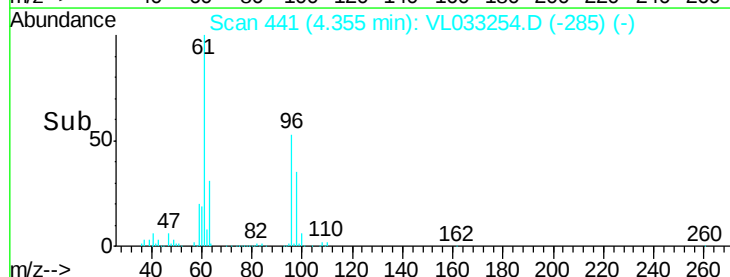
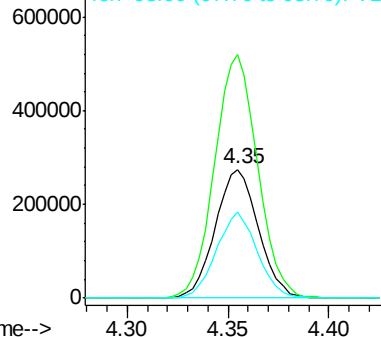
96 100

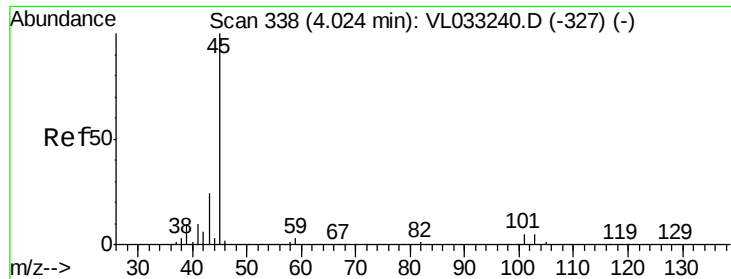
61 188.8 150.2 225.2

98 66.5 49.2 73.8



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





#19

Isopropyl Alcohol

Concen: 10.744 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033254.D

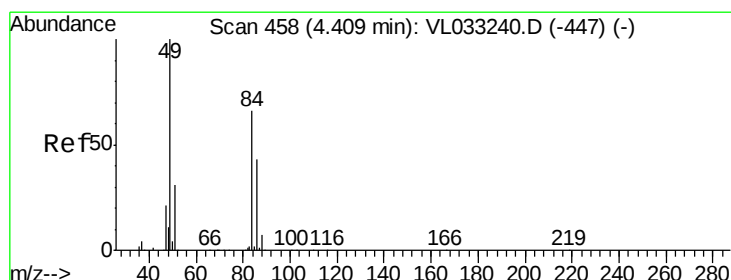
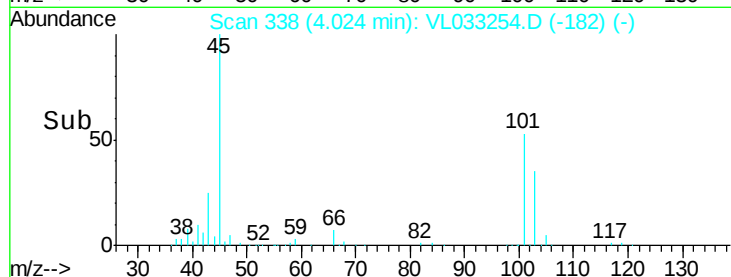
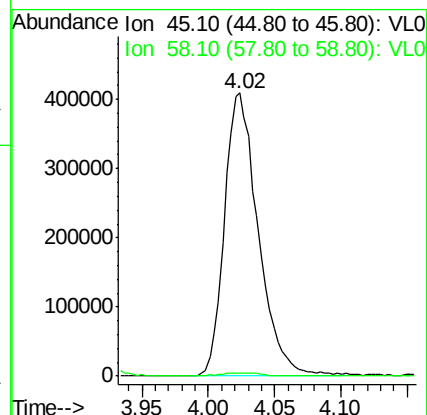
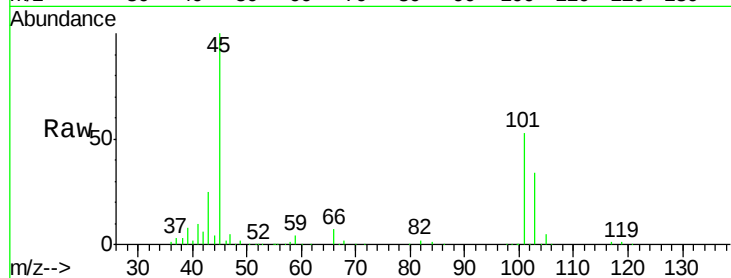
Acq: 6 Mar 2019 14:16

Tot Ion: 45 Resp: 720860

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.0



#20

Methylene Chloride

Concen: 8.140 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 84 Resp: 348170

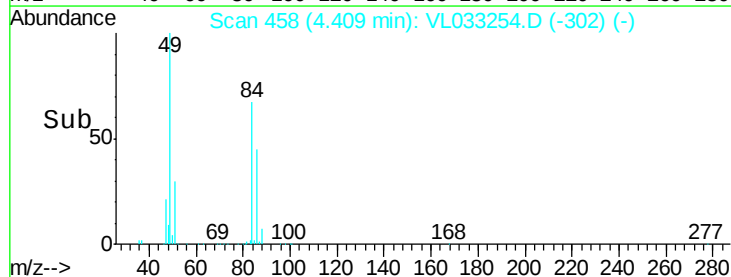
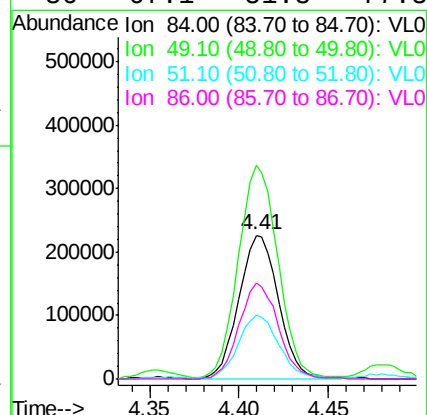
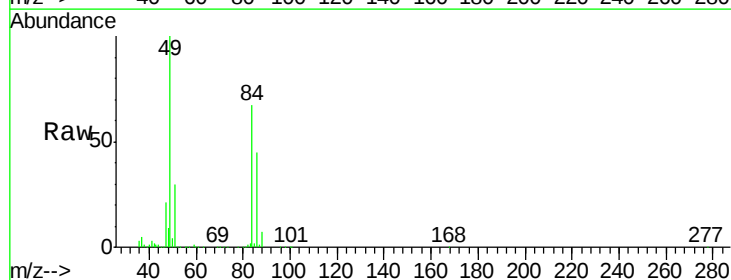
Ion Ratio Lower Upper

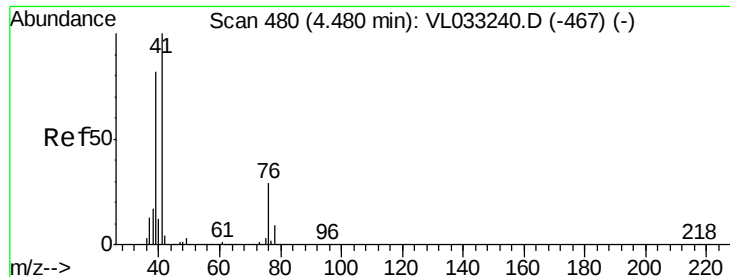
84 100

49 148.3 120.4 180.6

51 44.4 36.7 55.1

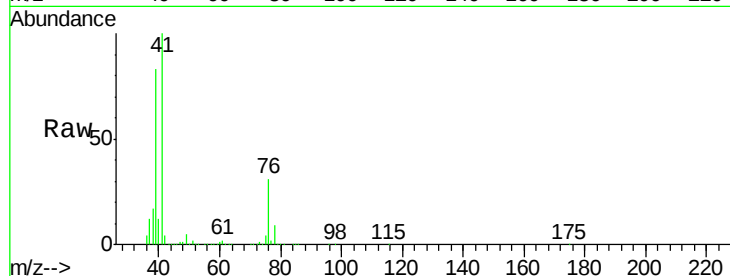
86 67.1 51.8 77.8



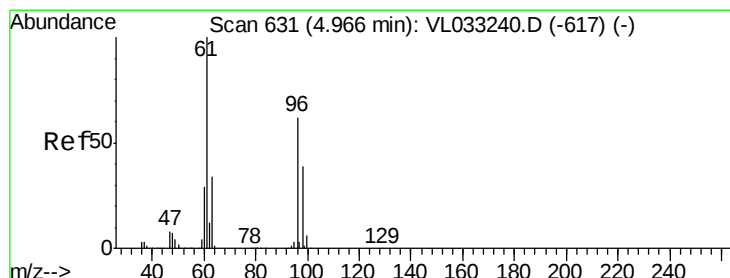
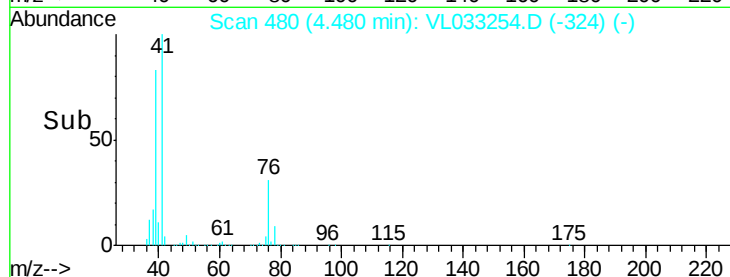
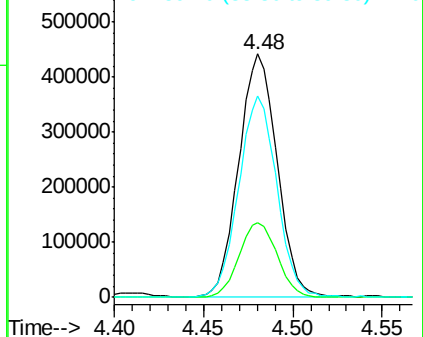


#21
Allvl Chloride
Concen: 10.484 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion: 41 Resp: 660326
Ion Ratio Lower Upper
41 100
76 30.9 24.6 36.8
39 82.7 65.2 97.8

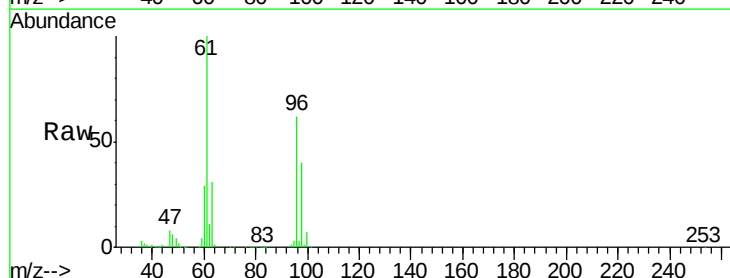


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

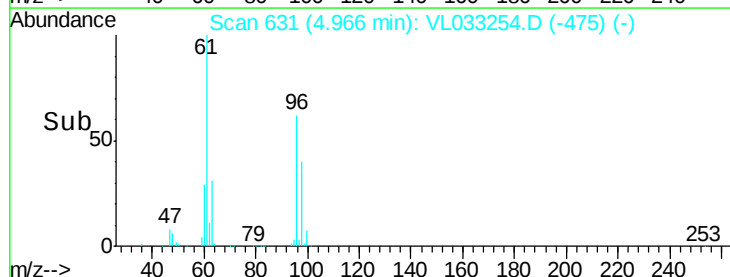
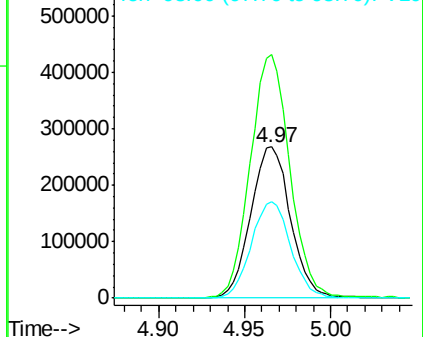


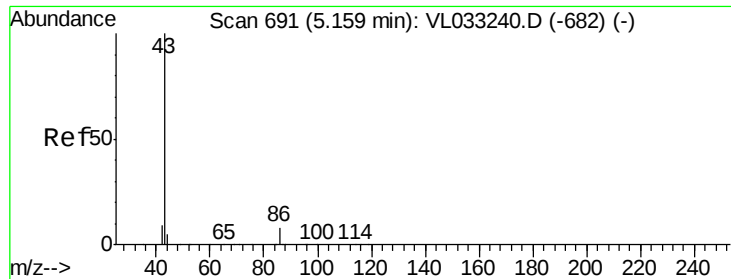
#22
trans-1,2-Dichloroethene
Concen: 9.986 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion: 96 Resp: 428023
Ion Ratio Lower Upper
96 100
61 161.3 128.3 192.5
98 64.1 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: 10.070 ppbv

RT: 5.16 min Scan# 690

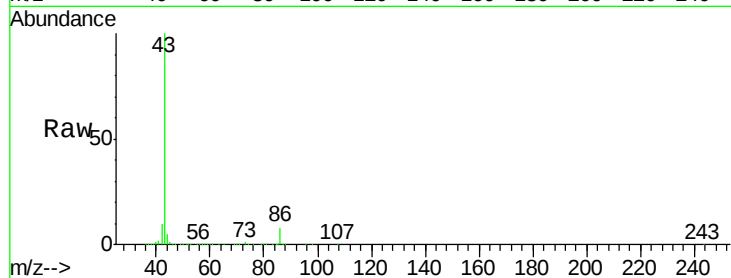
Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tot Ion: 43 Resp: 1676339

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.8	7.7	11.5
44	4.9	4.1	6.1

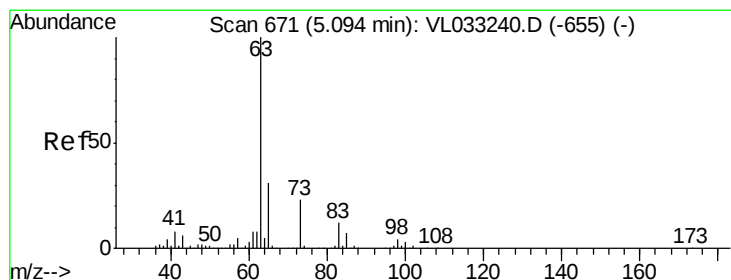
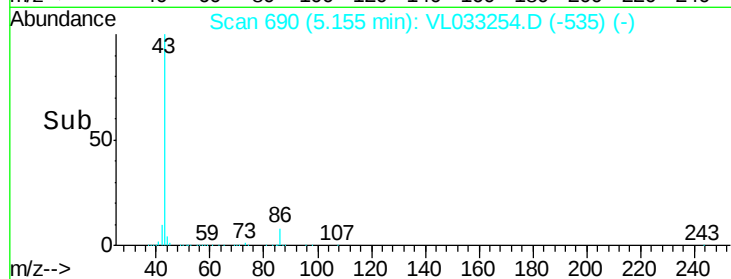
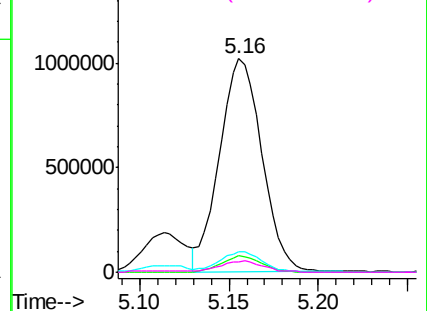


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.618 ppbv

RT: 5.09 min Scan# 670

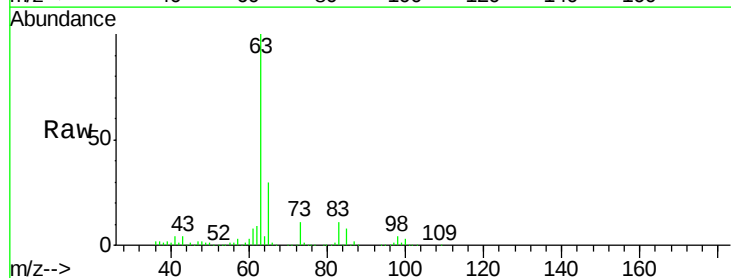
Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 63 Resp: 1141589

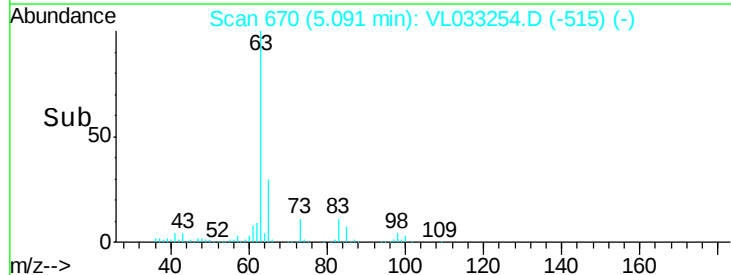
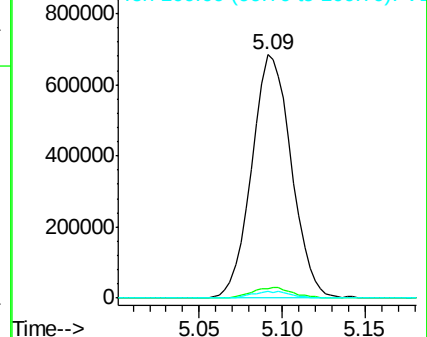
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.3
100	2.8	1.3	3.8

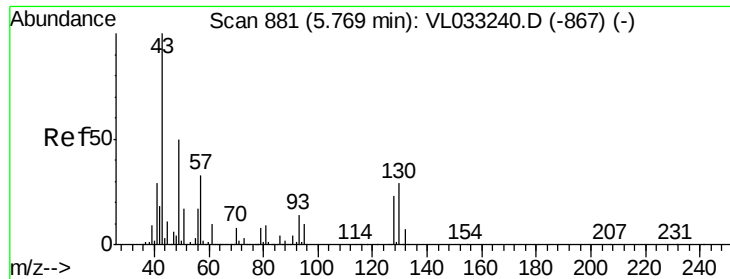


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

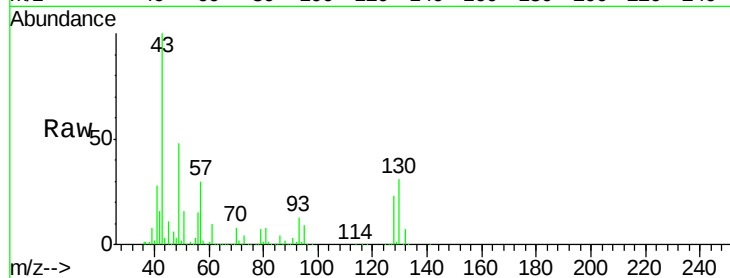




#25
Ethyl Acetate
Concen: 9.573 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion: 43 Resp: 1980739

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.0	7.0	10.6
70	6.9	5.5	8.3



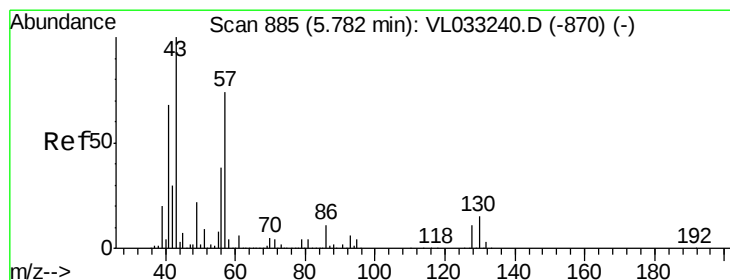
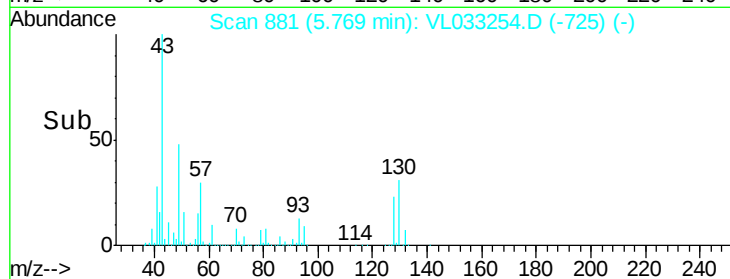
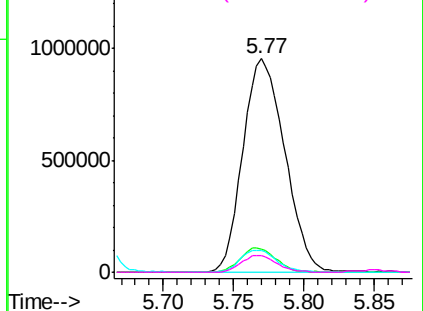
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

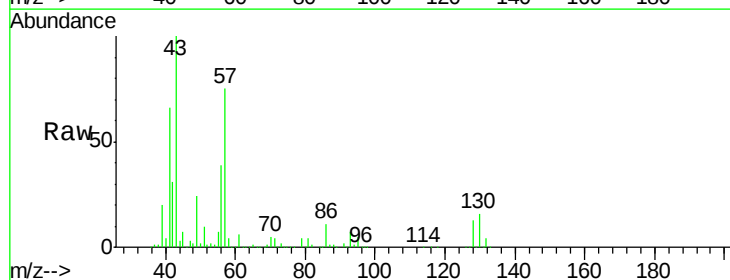
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.143 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion: 57 Resp: 884291

Ion	Ratio	Lower	Upper
57	100		
41	89.2	73.4	110.2
43	225.5	182.1	273.1
56	52.4	42.6	64.0



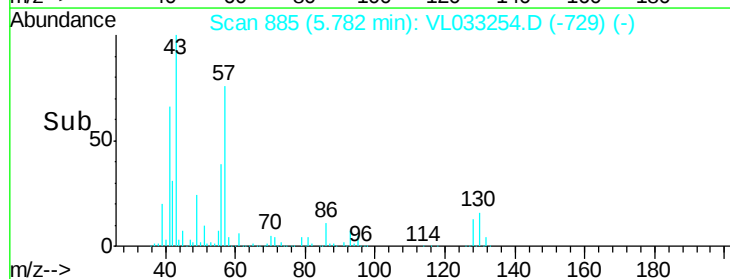
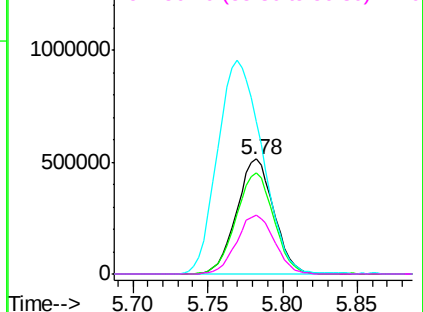
Abundance

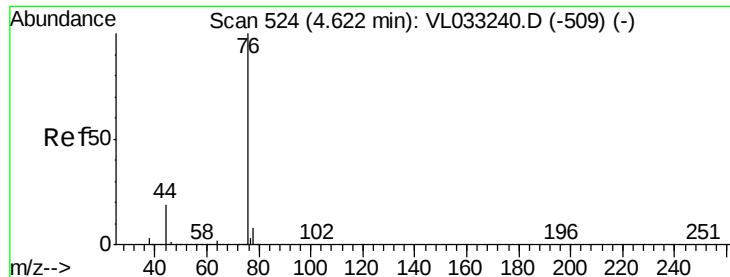
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.291 ppbv

RT: 4.62 min Scan# 524

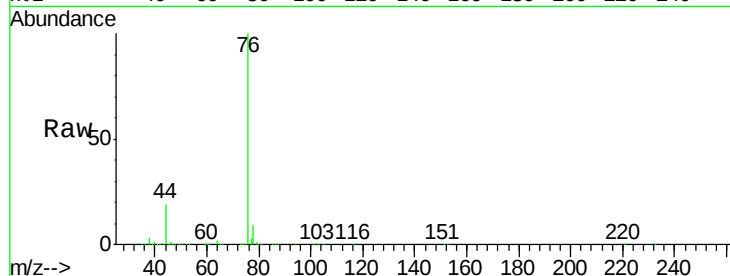
Delta R.T. 0.00 min

Lab File: VL033254.D

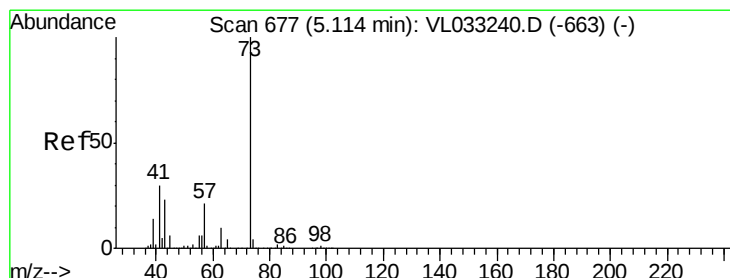
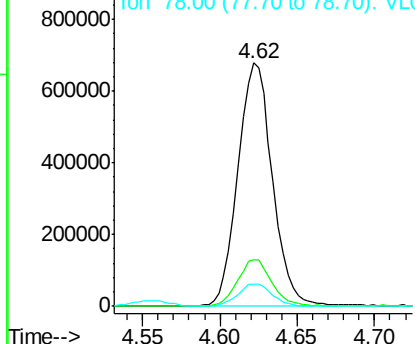
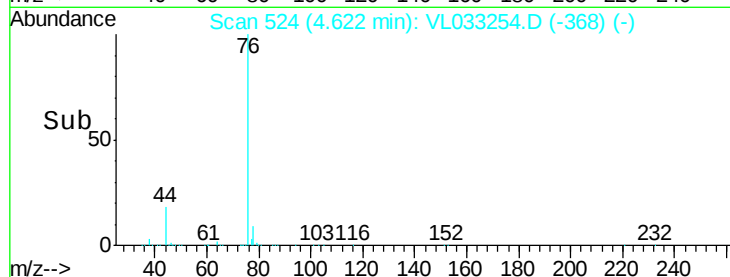
Acq: 6 Mar 2019 14:16

Tot Ion: 76 Resp: 1052674

Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.0	22.6
78	9.3	7.3	10.9



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



#28

Methyl tert-Butyl Ether

Concen: 9.965 ppbv

RT: 5.11 min Scan# 677

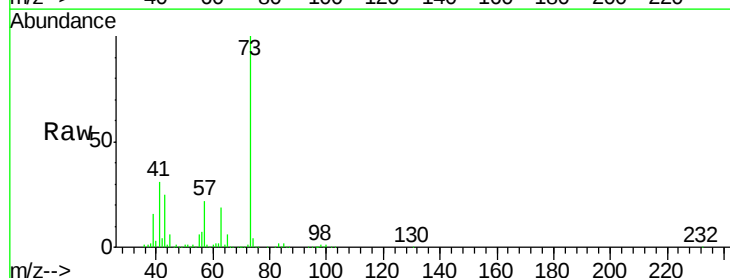
Delta R.T. 0.00 min

Lab File: VL033254.D

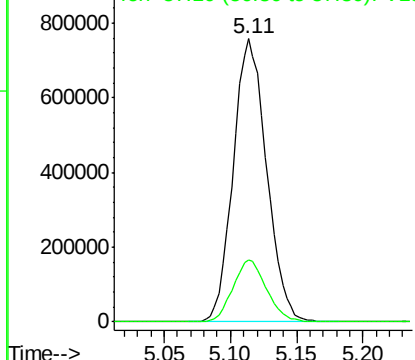
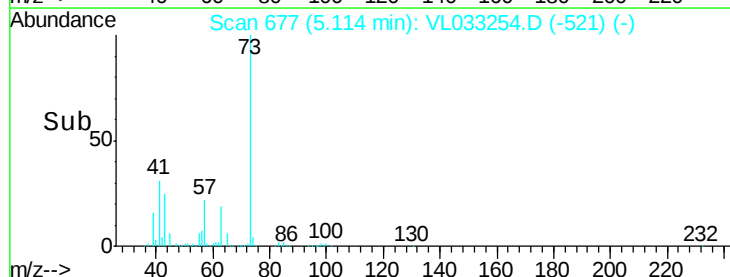
Acq: 6 Mar 2019 14:16

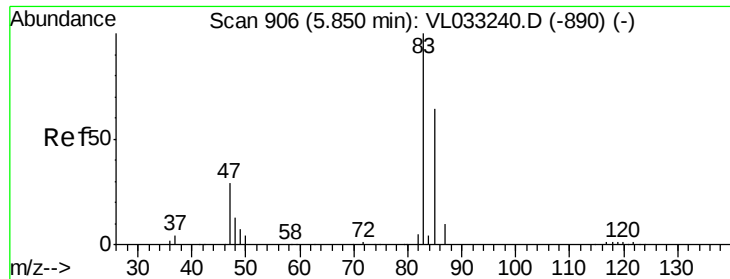
Tgt Ion: 73 Resp: 1329333

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4



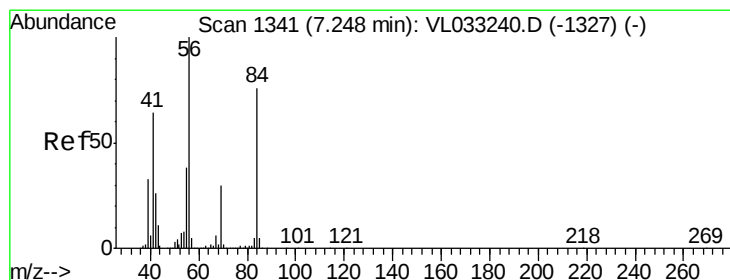
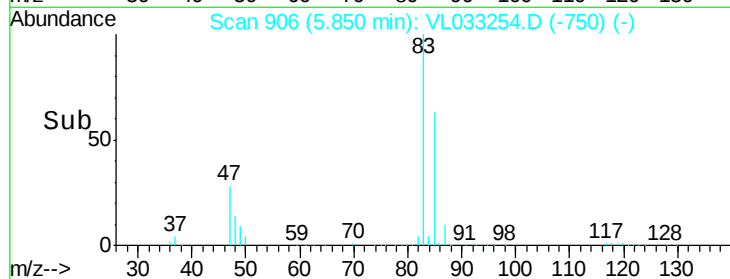
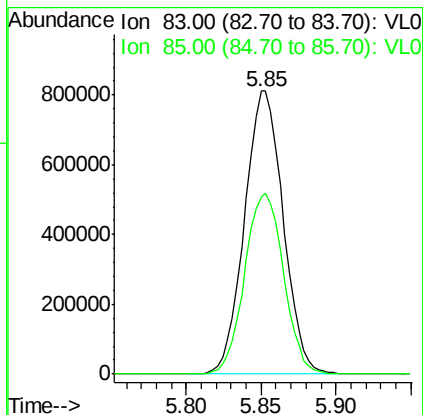
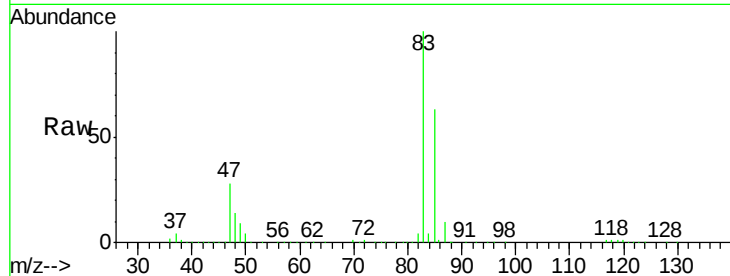
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





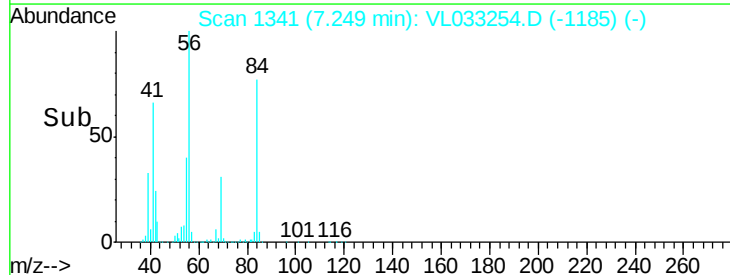
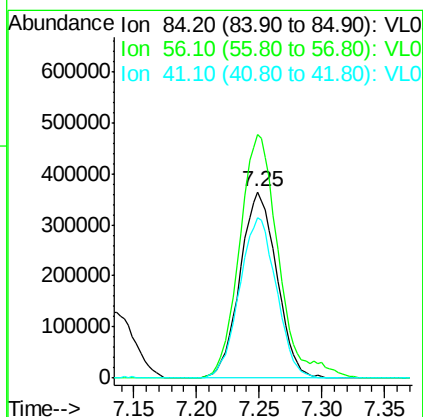
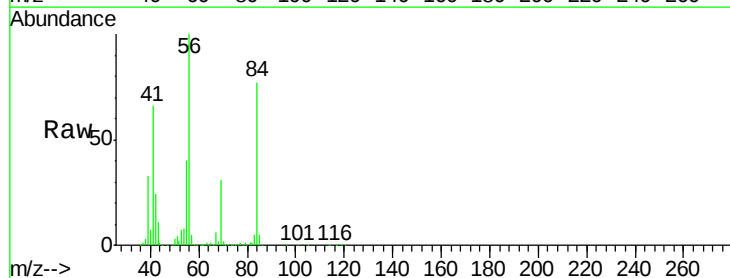
#29
Chloroform
Concen: 9.694 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

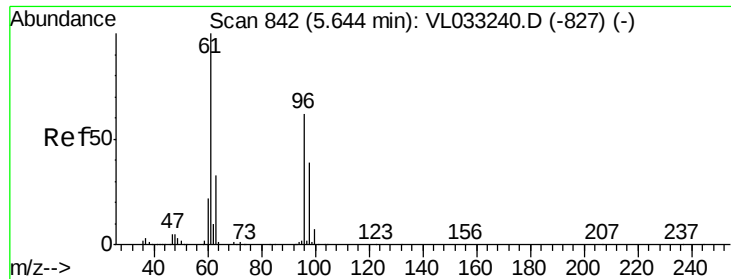
Tot Ion: 83 Resp: 1458369
Ion Ratio Lower Upper
83 100
85 62.5 51.2 76.8



#30
Cyclohexane
Concen: 10.241 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion: 84 Resp: 741646
Ion Ratio Lower Upper
84 100
56 138.8 113.1 169.7
41 86.8 70.8 106.2

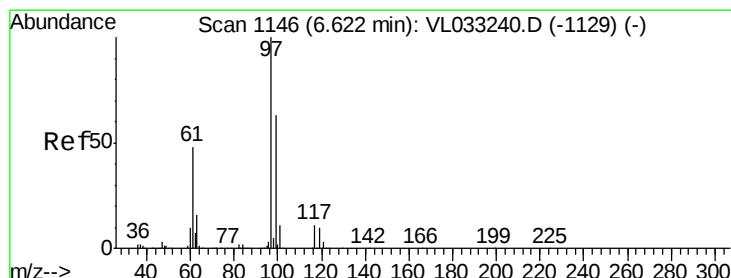
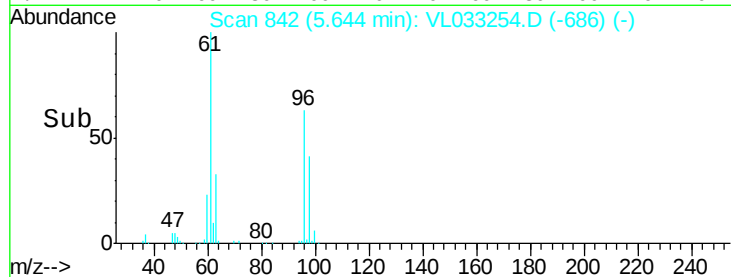
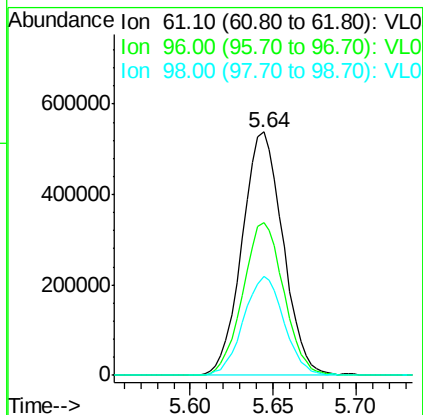
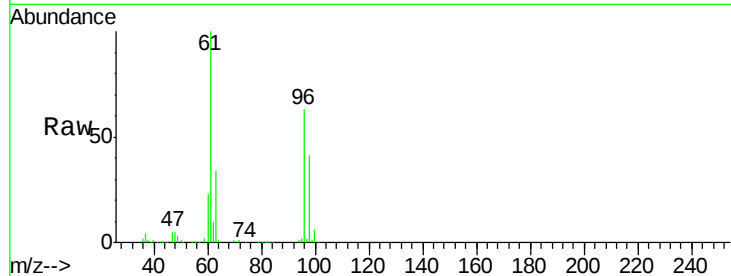




#31

cis-1,2-Dichloroethene
 Concen: 9.859 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

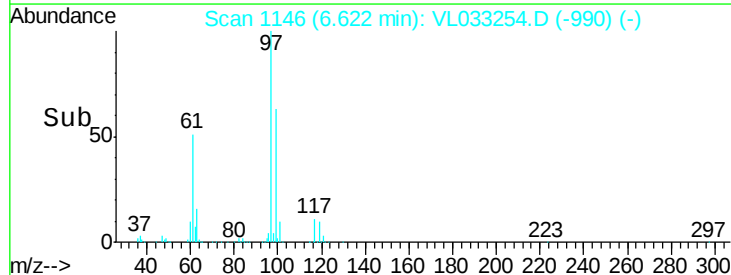
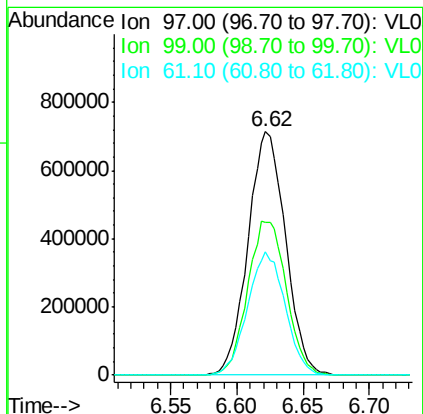
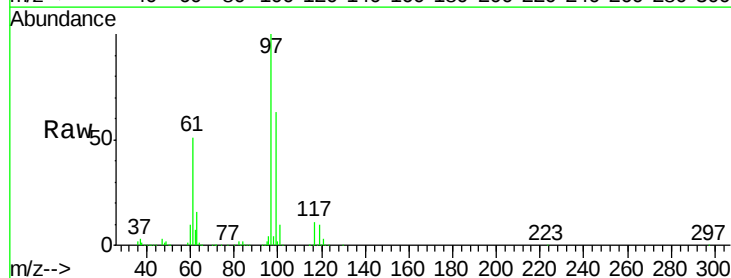
Tot Ion	61	Resp	920972
Ion Ratio	Lower	Upper	
61	100		
96	62.7	49.4	74.0
98	40.7	31.2	46.8

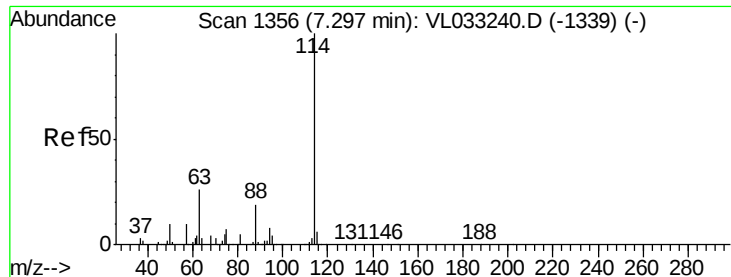


#32

1,1,1-Trichloroethane
 Concen: 9.660 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion	97	Resp	1409660
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.4	77.0
61	50.8	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

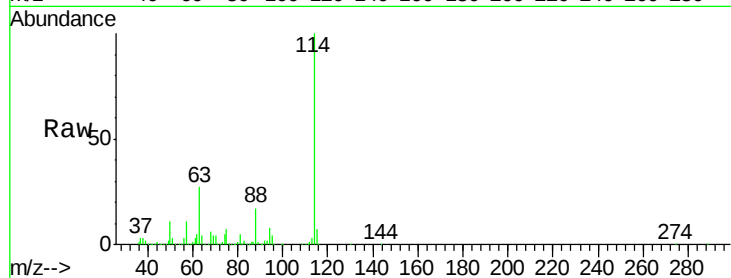
Tot Ion:114 Resp: 2046940

Ion Ratio Lower Upper

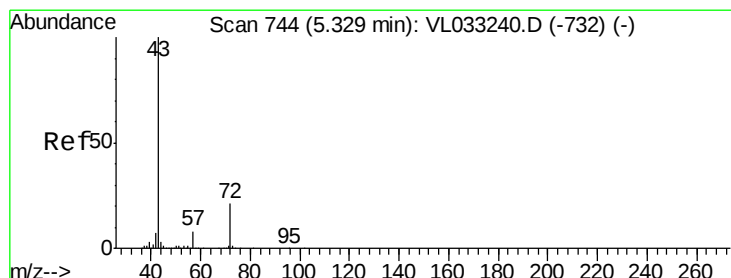
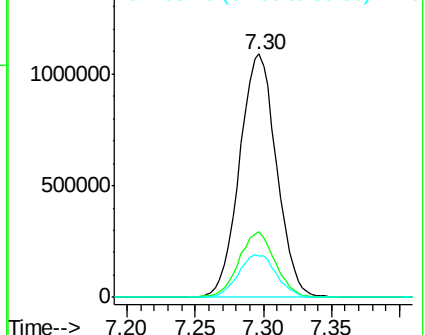
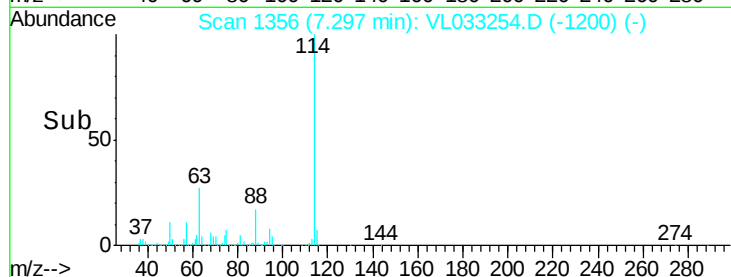
114 100

63 27.0 22.0 33.0

88 18.1 15.0 22.4



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



#34

2-Butanone

Concen: 9.365 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033254.D

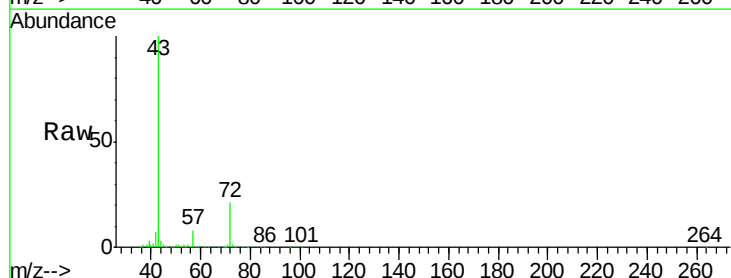
Acq: 6 Mar 2019 14:16

Tgt Ion: 43 Resp: 1328160

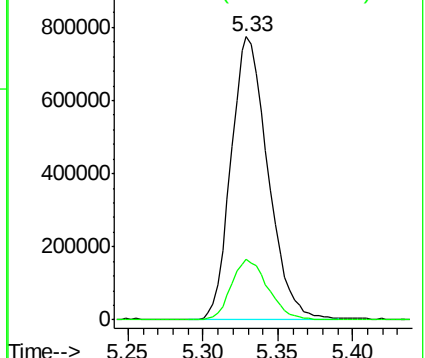
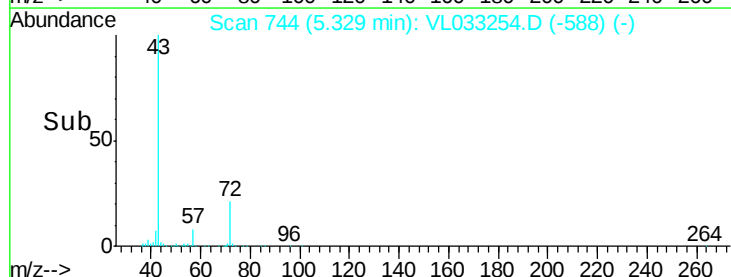
Ion Ratio Lower Upper

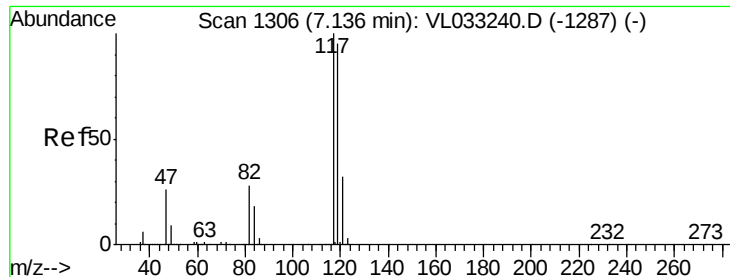
43 100

72 21.3 17.1 25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.417 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

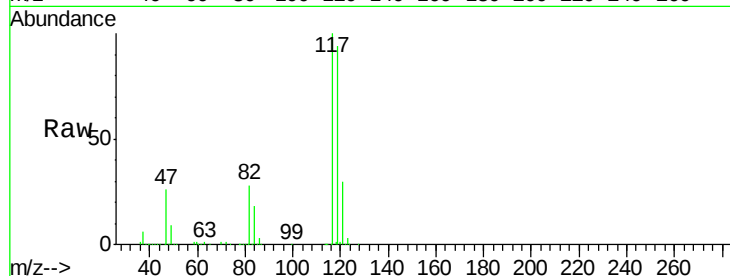
Tot Ion:117 Resp: 1457976

Ion Ratio Lower Upper

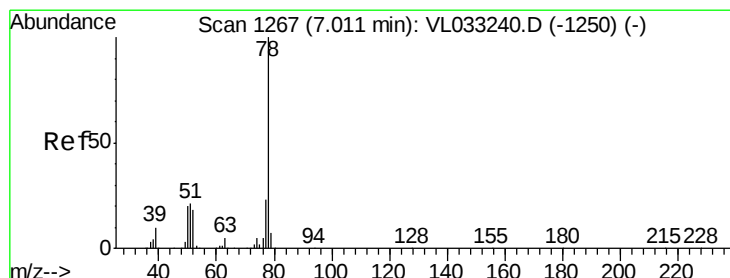
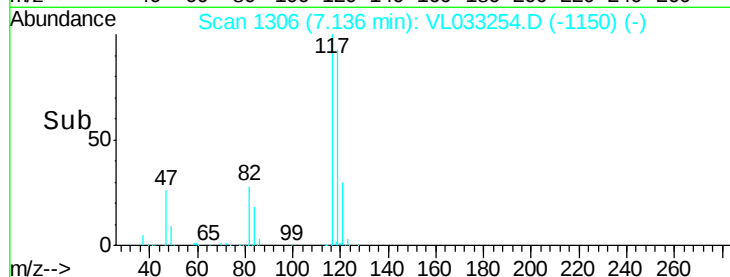
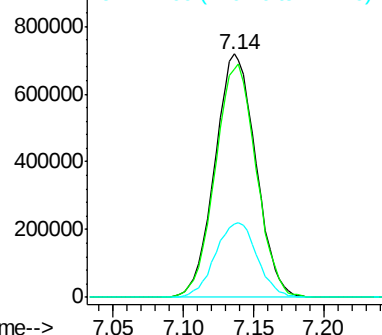
117 100

119 93.9 75.8 113.6

121 30.3 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: 9.739 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

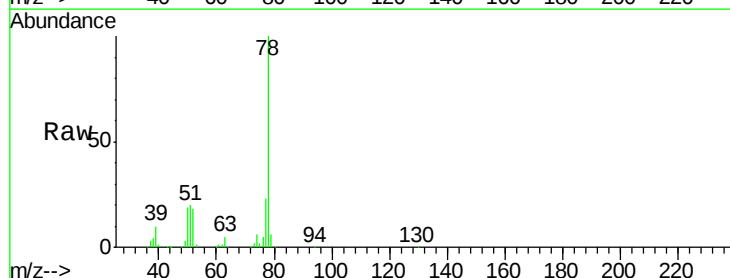
Tgt Ion: 78 Resp: 1870920

Ion Ratio Lower Upper

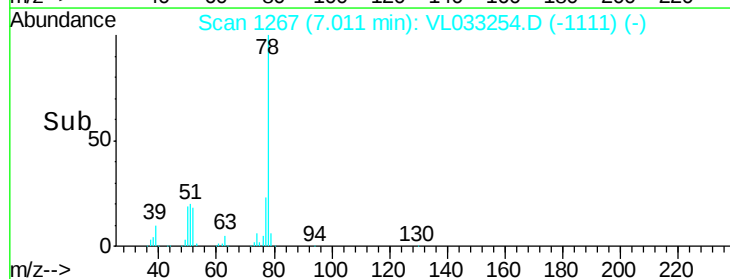
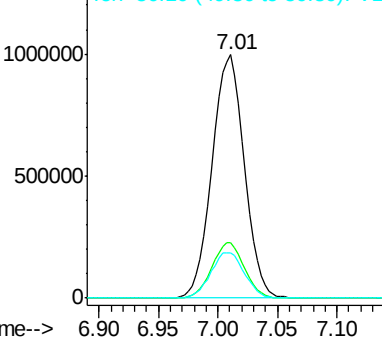
78 100

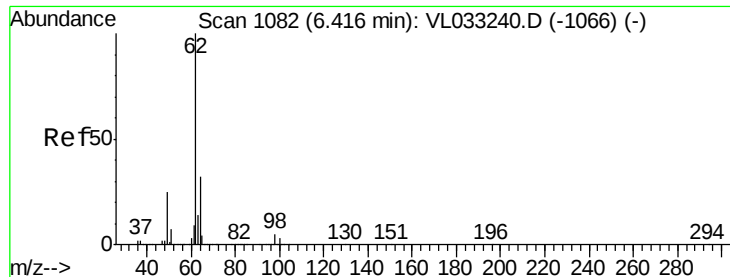
77 22.7 18.0 27.0

50 18.7 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: 9.280 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VL033254.D

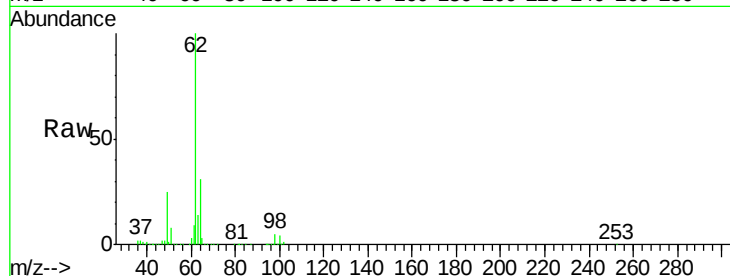
Acq: 6 Mar 2019 14:16

Tot Ion: 62 Resp: 1109747

Ion Ratio Lower Upper

62 100

98 5.7 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

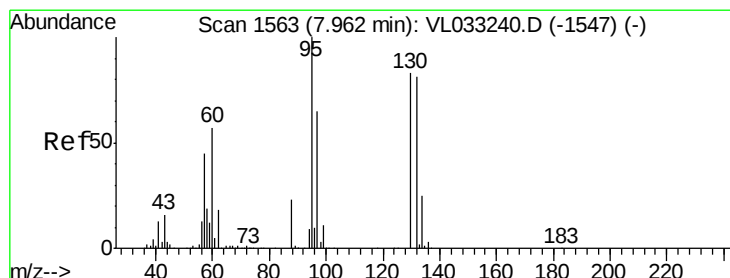
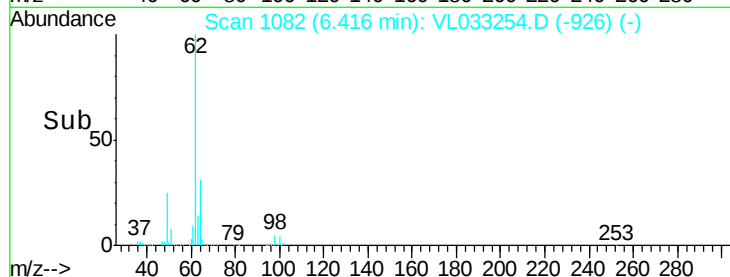
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.499 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 130 Resp: 689173

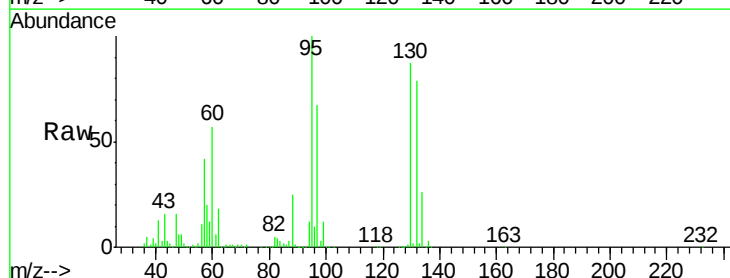
Ion Ratio Lower Upper

130 100

95 115.2 95.7 143.5

132 90.9 77.4 116.2

97 77.1 62.5 93.7



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

500000

400000

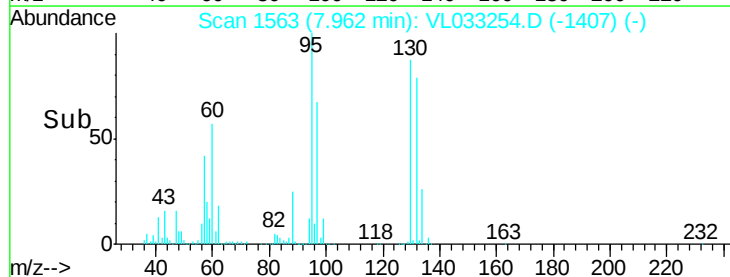
300000

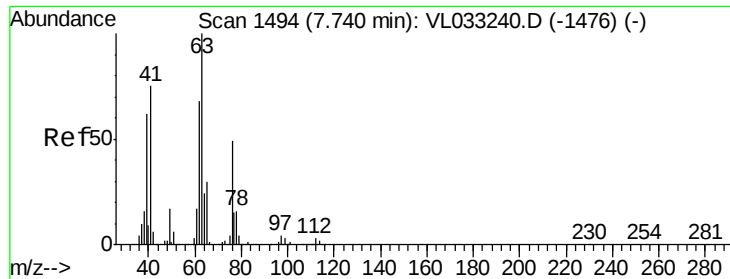
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.484 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

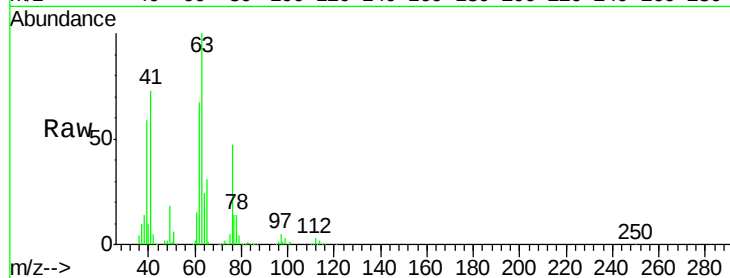
Tot Ion: 63 Resp: 711345

Ion Ratio Lower Upper

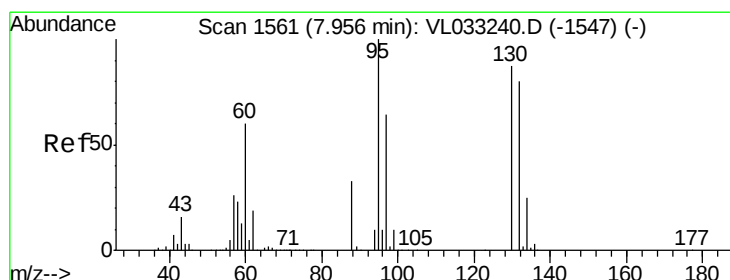
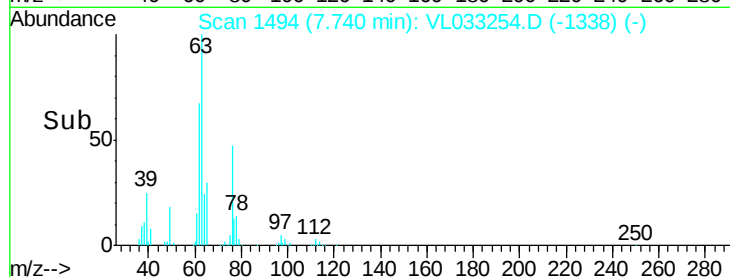
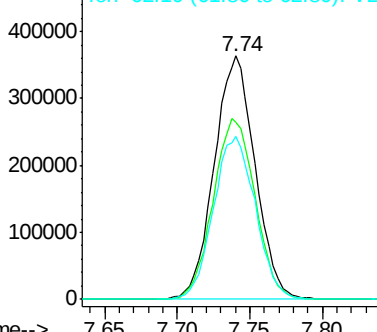
63 100

41 72.6 60.0 90.0

62 66.9 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: 9.590 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 88 Resp: 266881

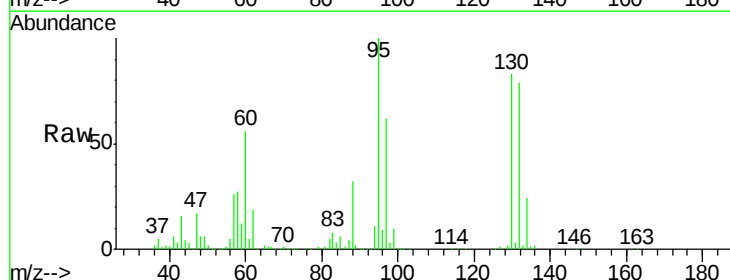
Ion Ratio Lower Upper

88 100

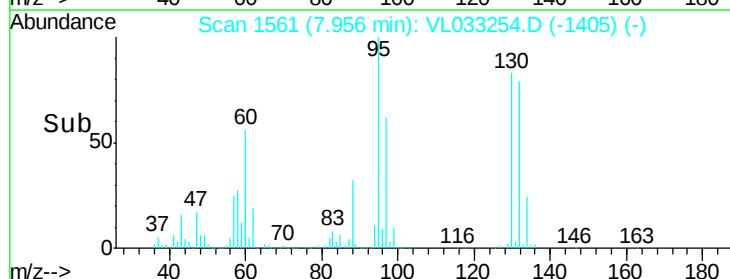
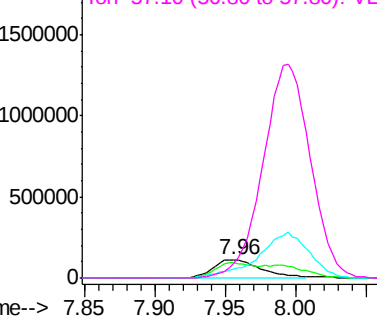
58 131.7 105.1 157.7

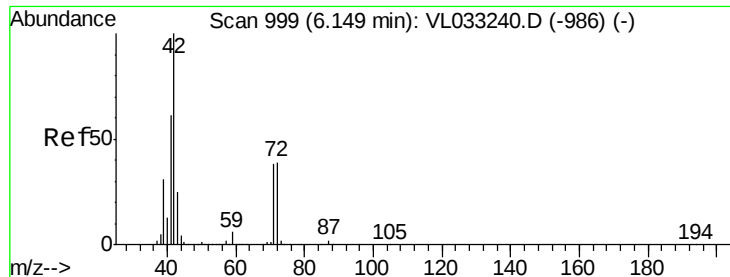
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.792 ppbv

RT: 6.15 min Scan# 999

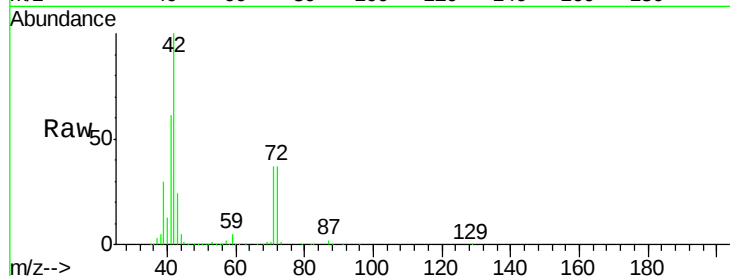
Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tot Ion: 42 Resp: 763024

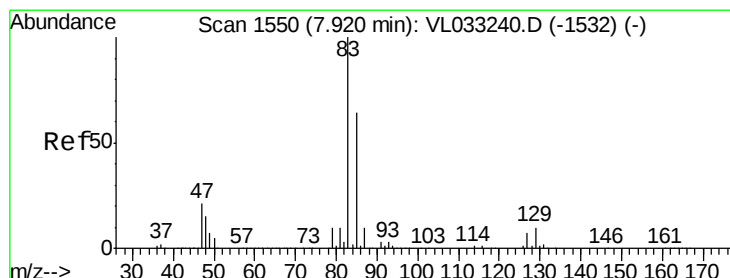
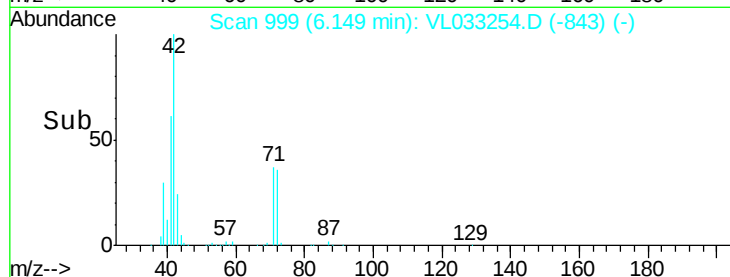
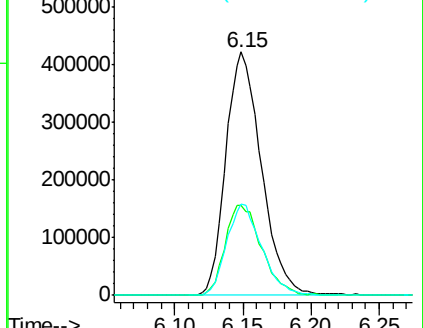
Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.2	45.4
71	37.1	29.6	44.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.408 ppbv

RT: 7.92 min Scan# 1550

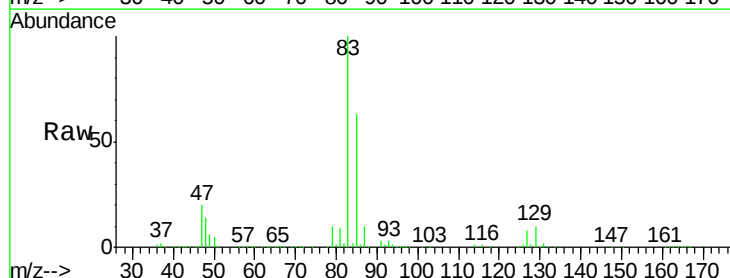
Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 83 Resp: 1590880

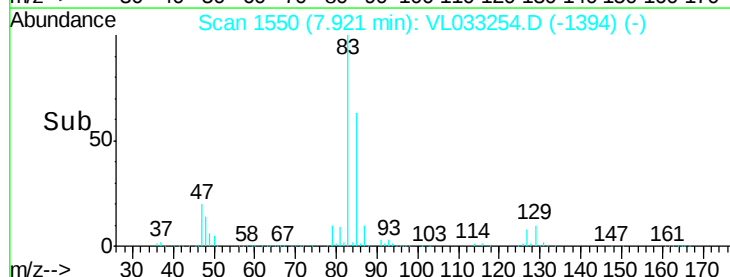
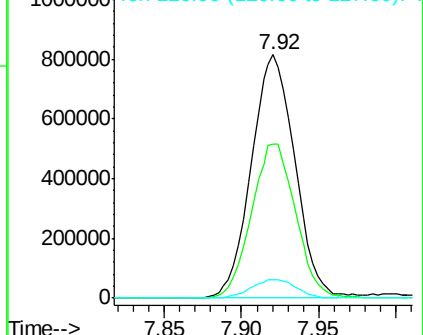
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	7.6	5.9	8.9

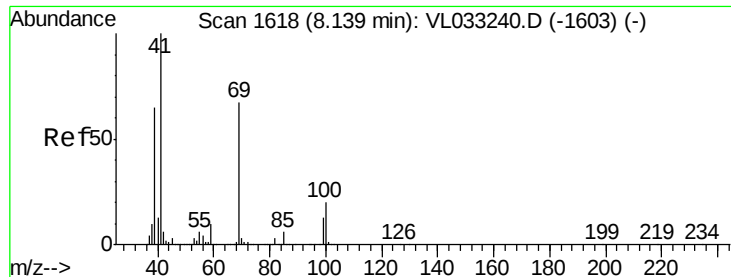


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.789 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

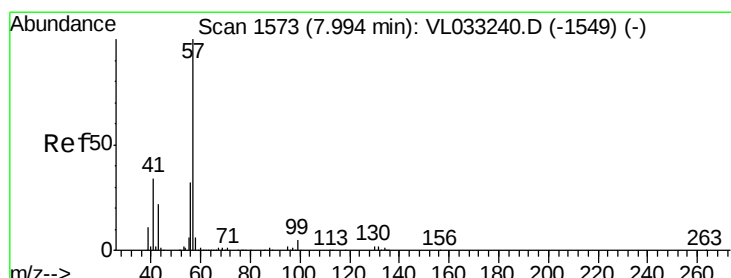
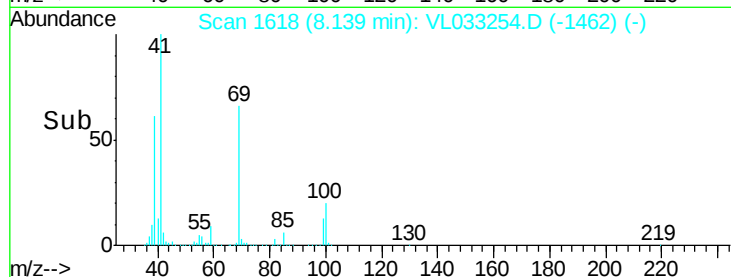
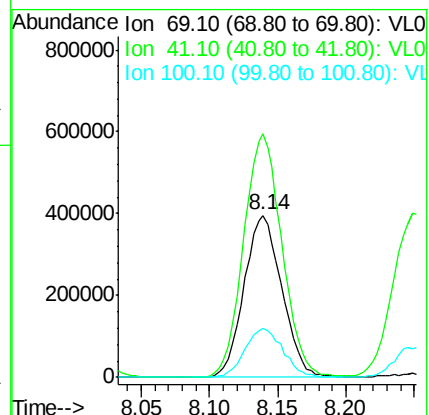
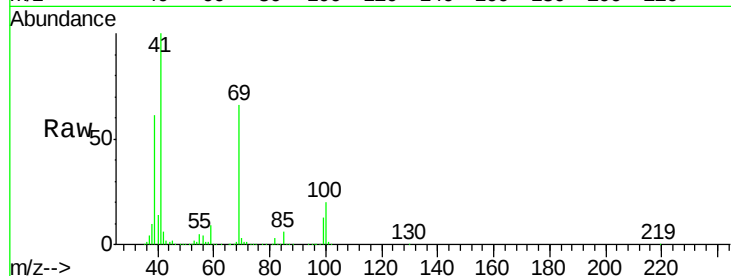
Tot Ion: 69 Resp: 760836

Ion Ratio Lower Upper

69 100

41 152.0 120.9 181.3

100 30.4 24.4 36.6



#44

2,2,4-Trimethylpentane

Concen: 9.130 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

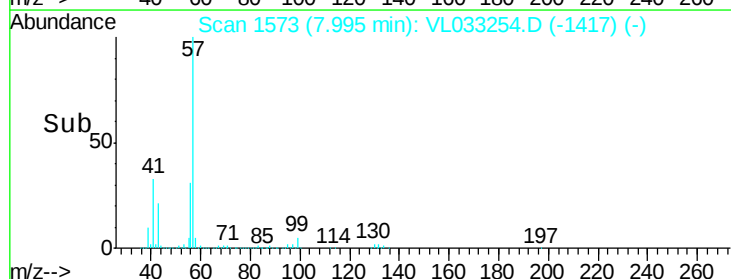
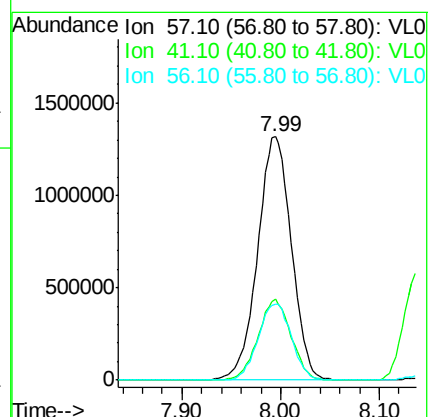
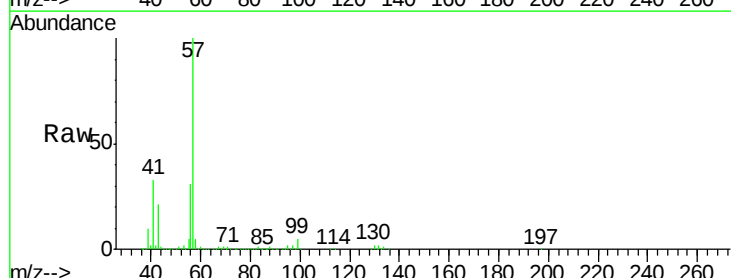
Tgt Ion: 57 Resp: 3101857

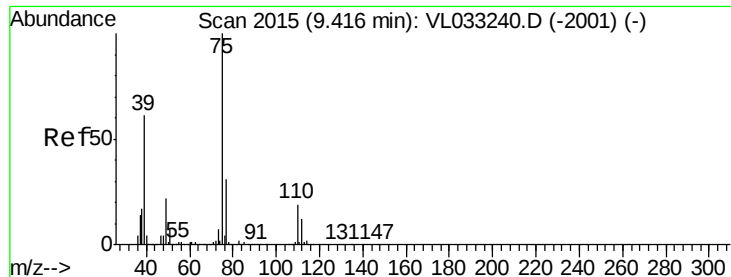
Ion Ratio Lower Upper

57 100

41 32.2 26.1 39.1

56 31.0 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.138 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033254.D

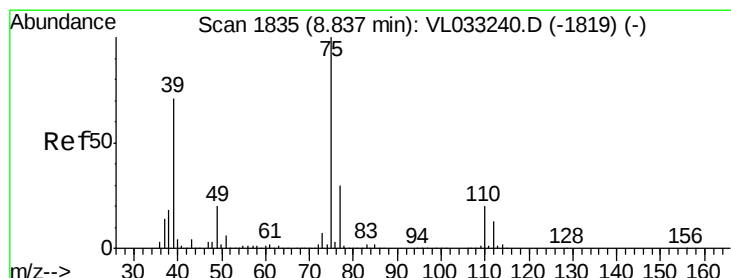
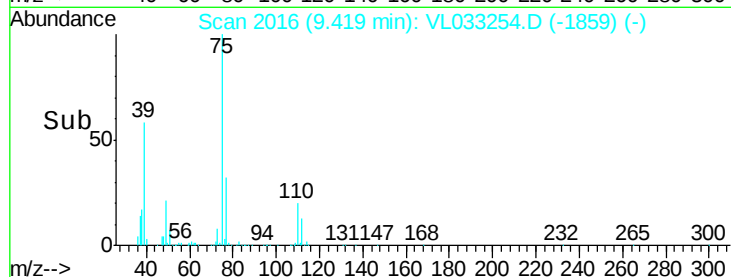
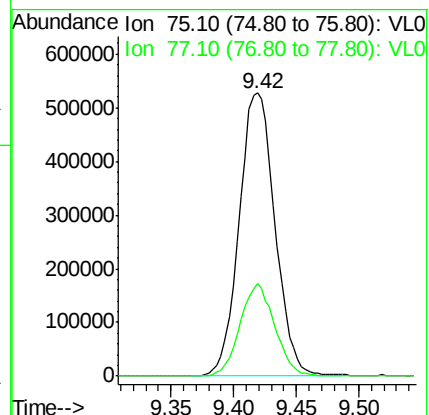
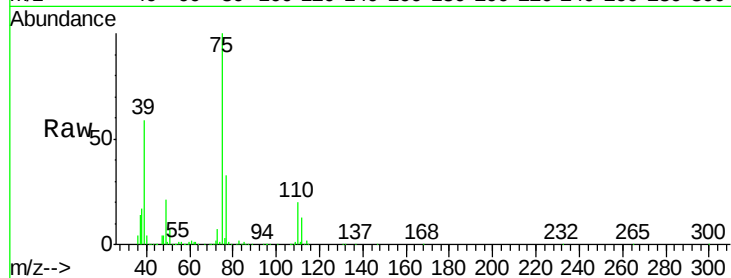
Acq: 6 Mar 2019 14:16

Tot Ion: 75 Resp: 1047520

Ion Ratio Lower Upper

75 100

77 32.6 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.295 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

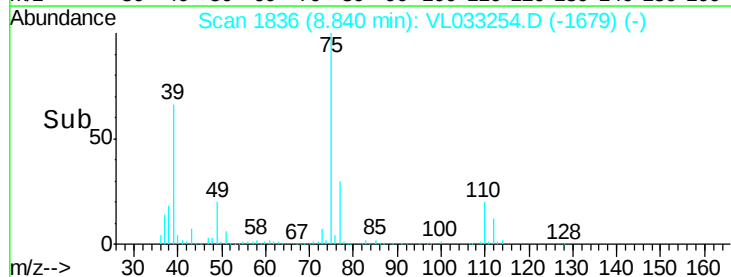
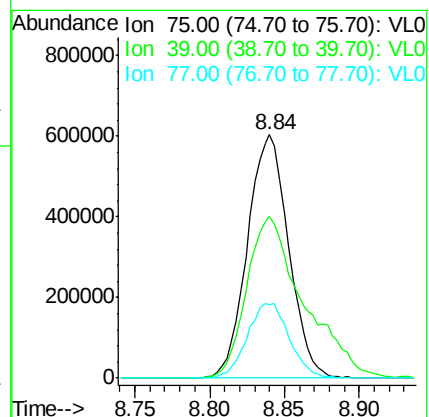
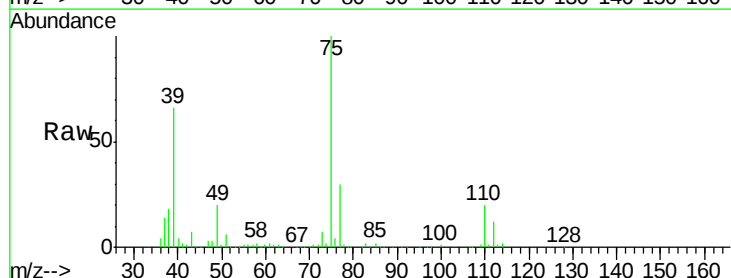
Tgt Ion: 75 Resp: 1154989

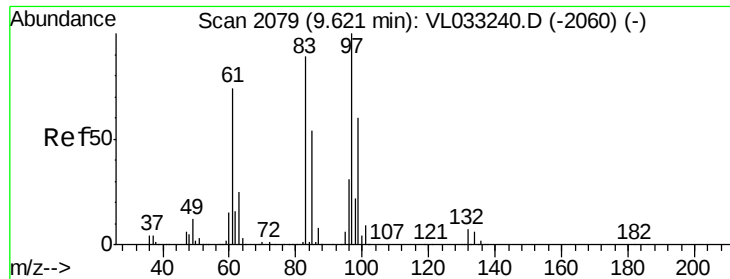
Ion Ratio Lower Upper

75 100

39 66.3 57.0 85.6

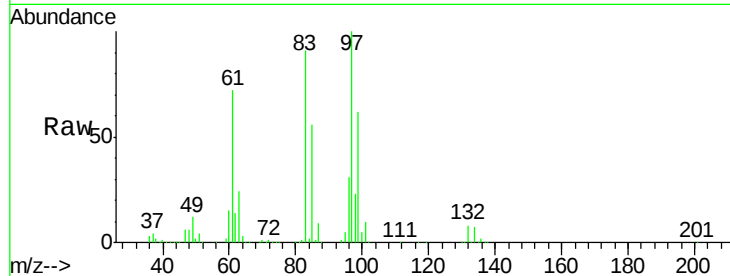
77 30.2 24.0 36.0



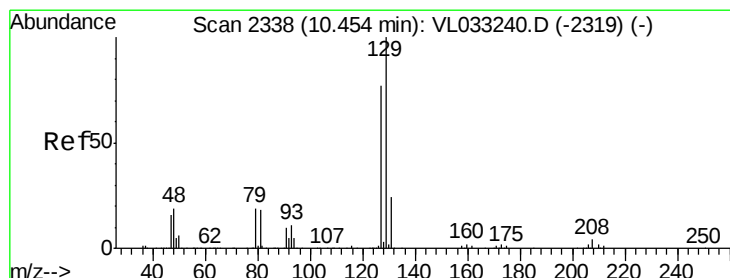
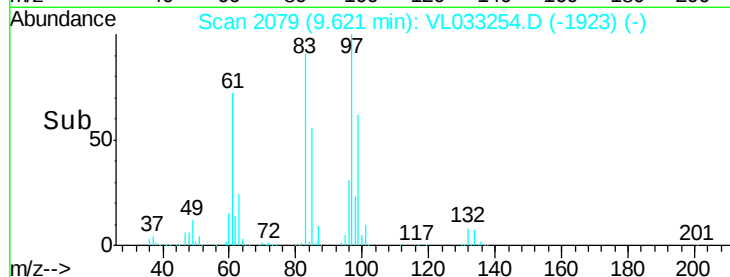
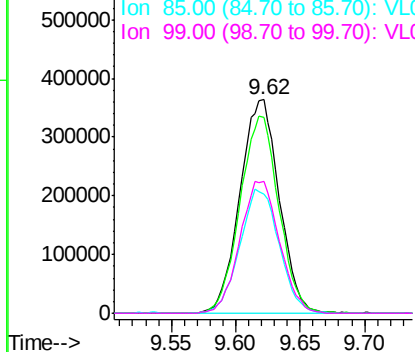


#47
 1,1,2-Trichloroethane
 Concen: 9.562 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tot Ion: 97 Resp: 771893
 Ion Ratio Lower Upper
 97 100
 83 91.3 71.1 106.7
 85 55.5 42.9 64.3
 99 62.0 48.2 72.4

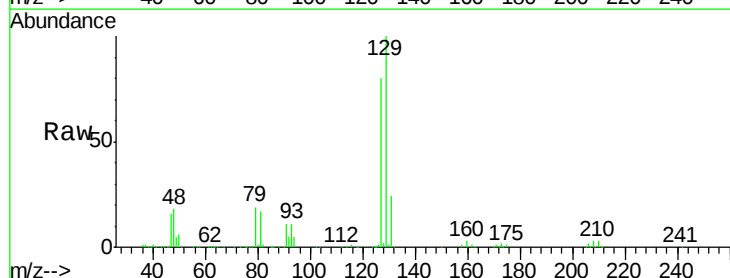


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

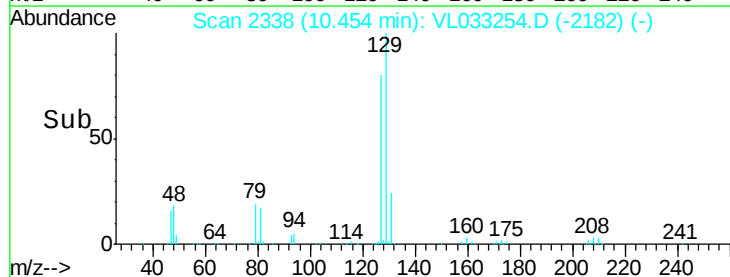
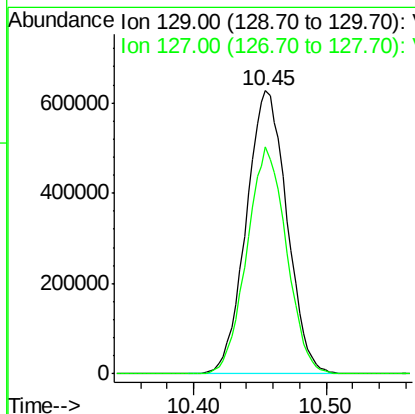


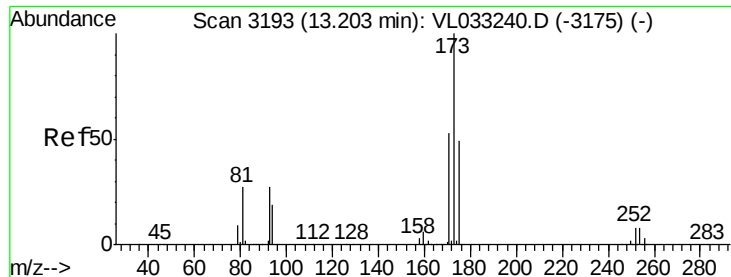
#48
 Dibromochloromethane
 Concen: 10.186 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion: 129 Resp: 1331893
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.091 ppbv

RT: 13.21 min Scan# 3194

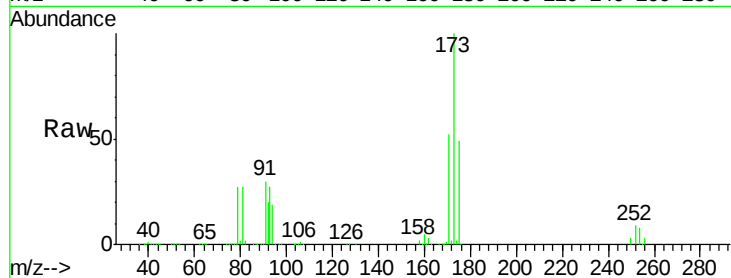
Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tot Ion:173 Resp: 1158196

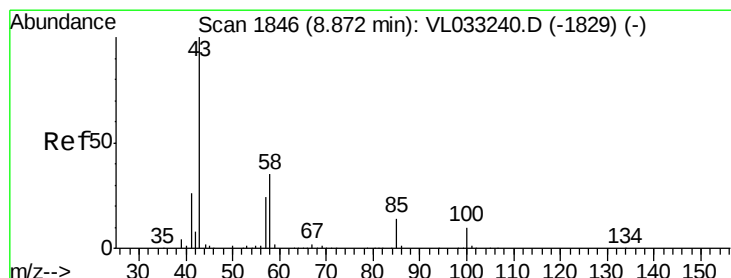
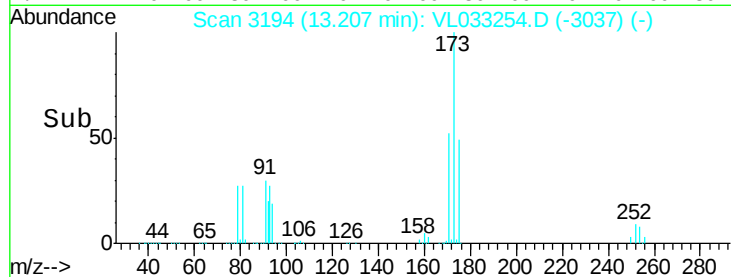
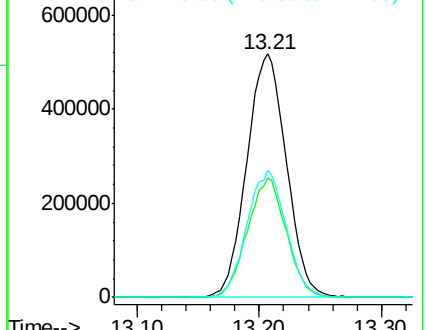
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.9	58.3
171	51.9	41.4	62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.134 ppbv

RT: 8.87 min Scan# 1845

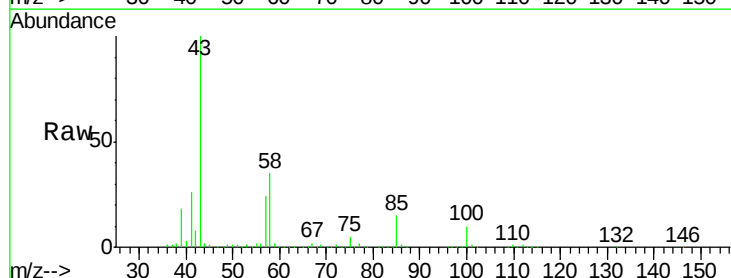
Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

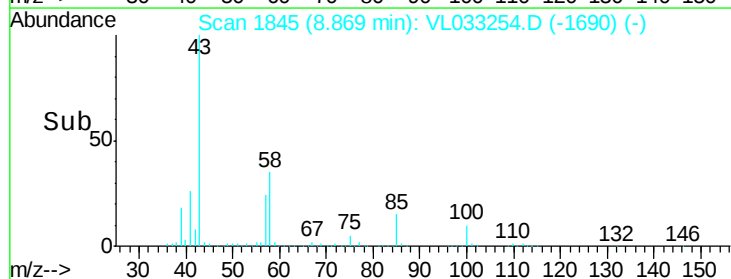
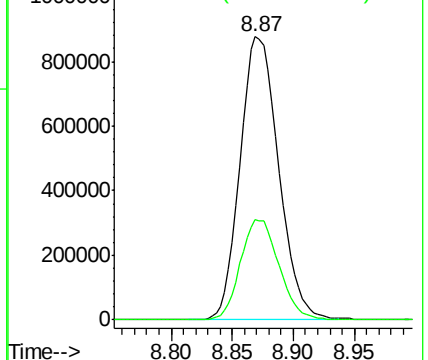
Tgt Ion: 43 Resp: 1916211

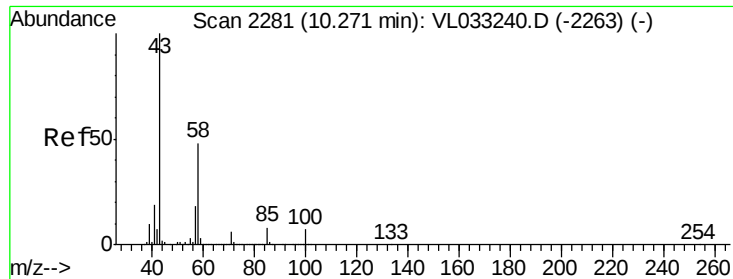
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.8	41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

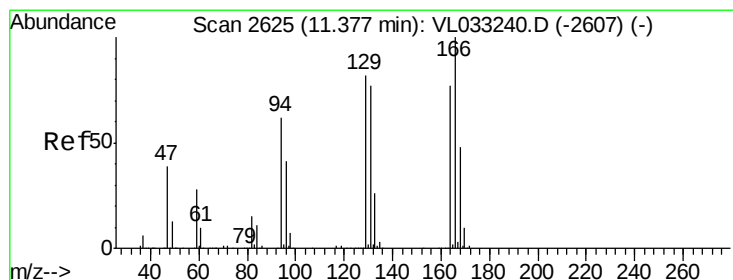
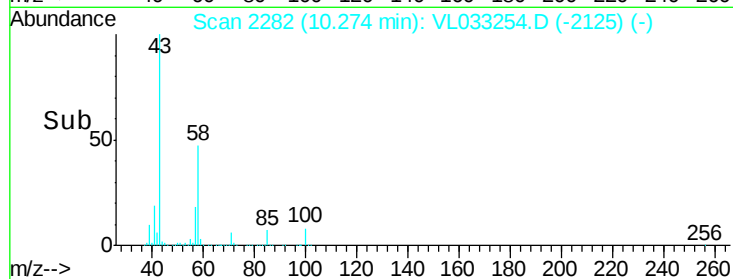
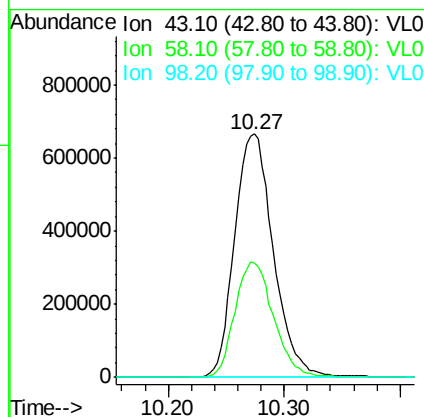
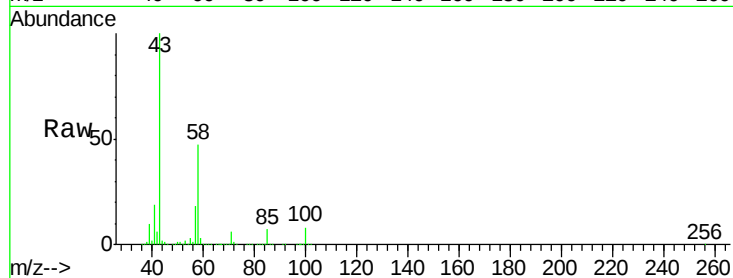
Ion 58.10 (57.80 to 58.80): VL0





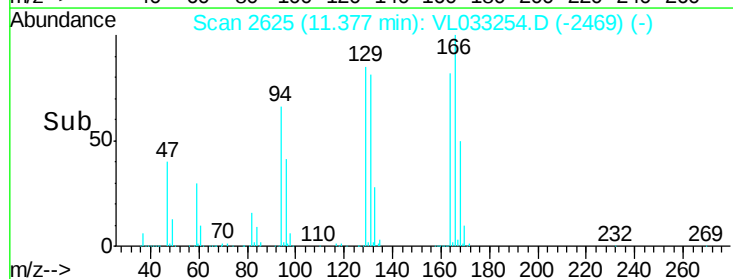
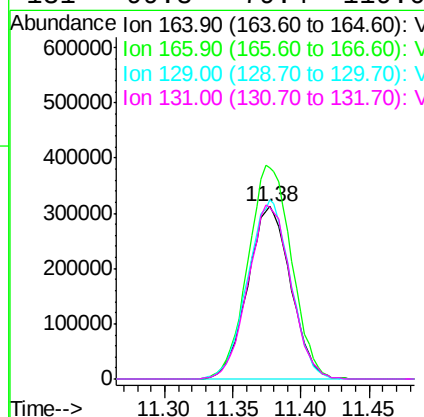
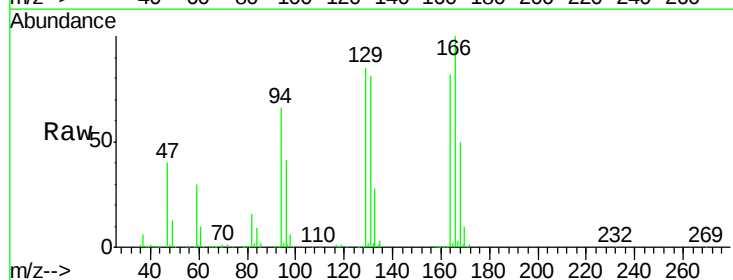
#51
2-Hexanone
Concen: 9.834 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

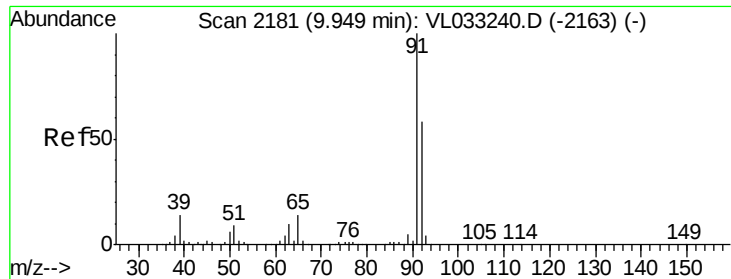
Tot Ion: 43 Resp: 1543001
Ion Ratio Lower Upper
43 100
58 47.5 38.2 57.2
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.516 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion: 164 Resp: 681336
Ion Ratio Lower Upper
164 100
166 122.5 103.3 154.9
129 104.3 84.4 126.6
131 99.8 79.4 119.0





#53

Toluene

Concen: 9.935 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033254.D

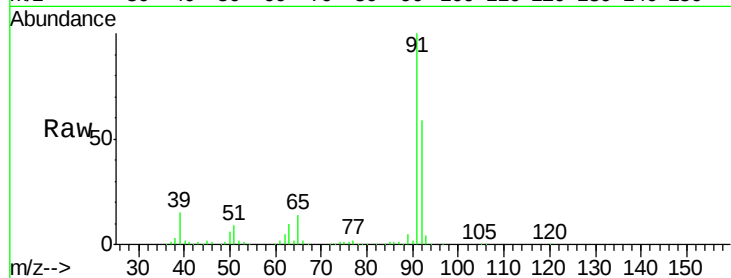
Acq: 6 Mar 2019 14:16

Tot Ion: 91 Resp: 2206725

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.95

1200000

1000000

800000

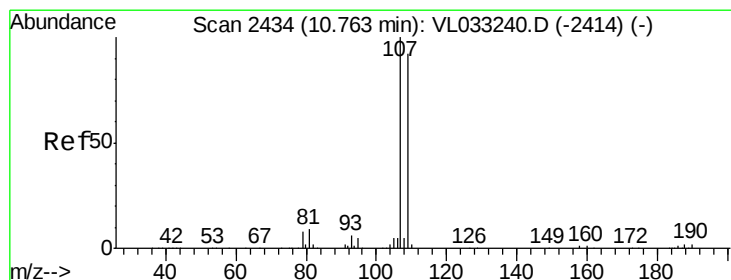
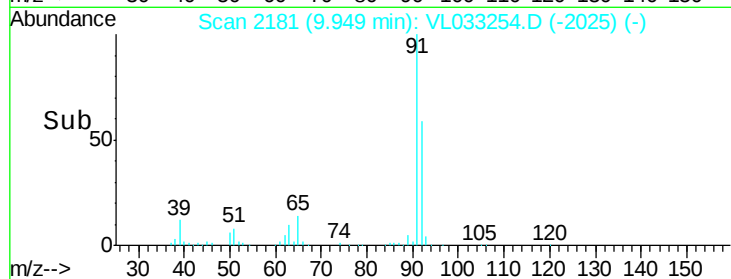
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.828 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033254.D

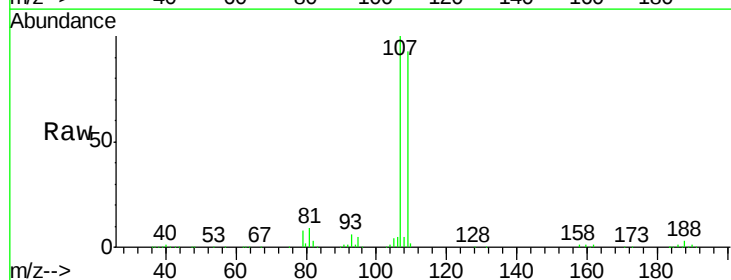
Acq: 6 Mar 2019 14:16

Tgt Ion: 107 Resp: 1205195

Ion Ratio Lower Upper

107 100

109 92.7 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.76

600000

500000

400000

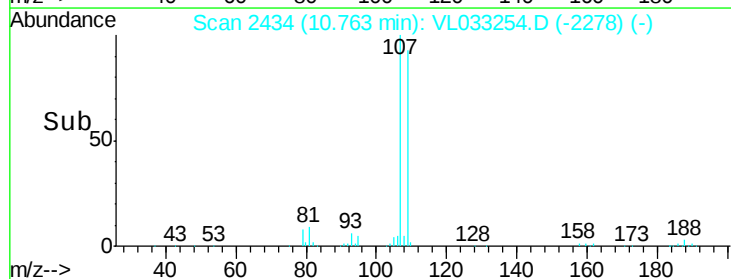
300000

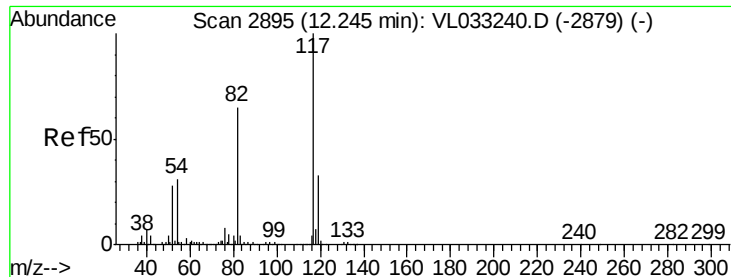
200000

100000

0

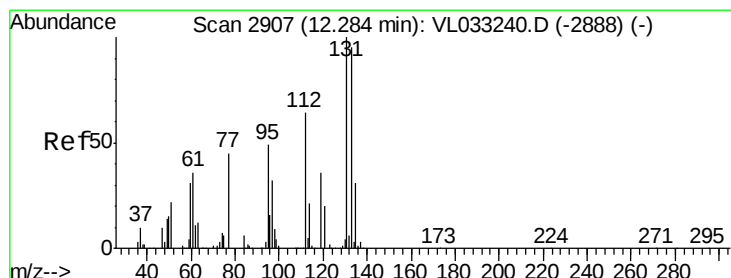
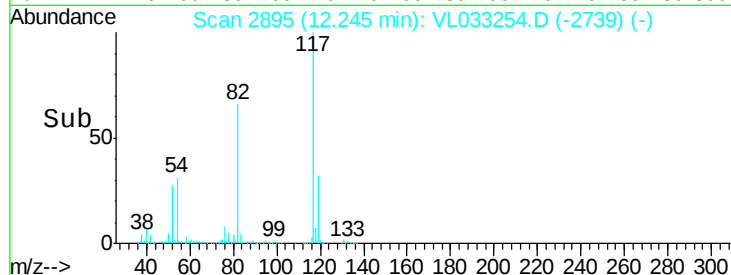
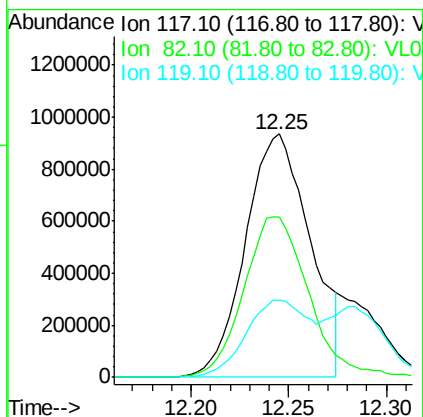
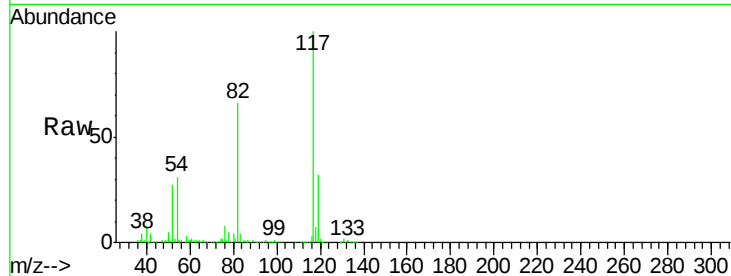
Time-->





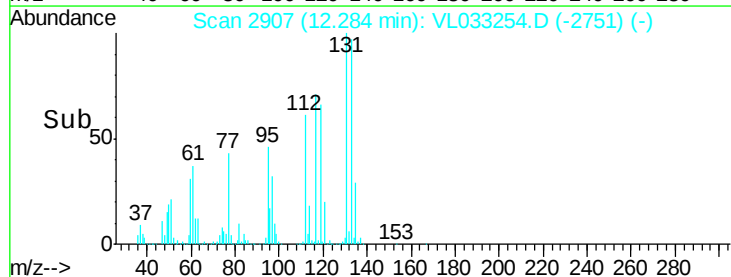
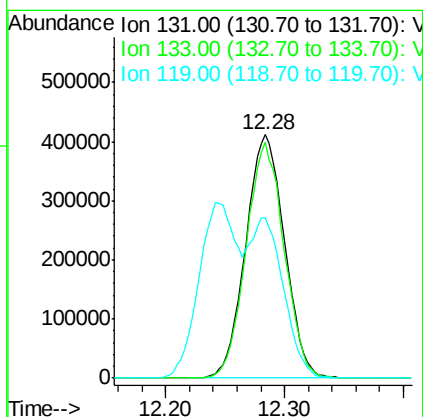
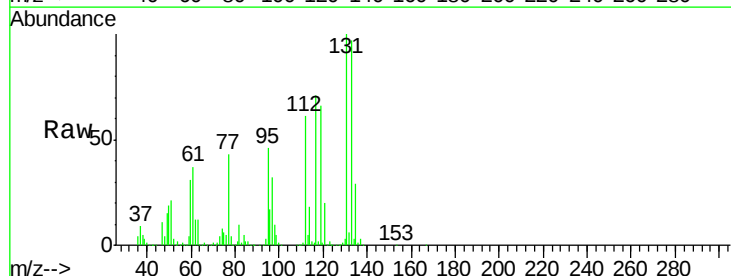
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

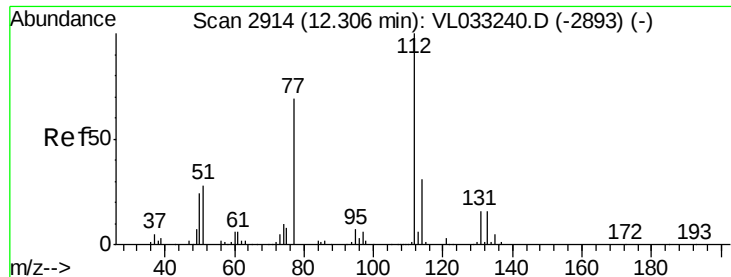
Tot Ion:117 Resp: 2153383
Ion Ratio Lower Upper
117 100
82 66.3 51.8 77.8
119 32.8 43.6 65.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.944 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion:131 Resp: 929594
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.2
119 60.2 108.9 163.3#





#57

Chlorobenzene

Concen: 9.536 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

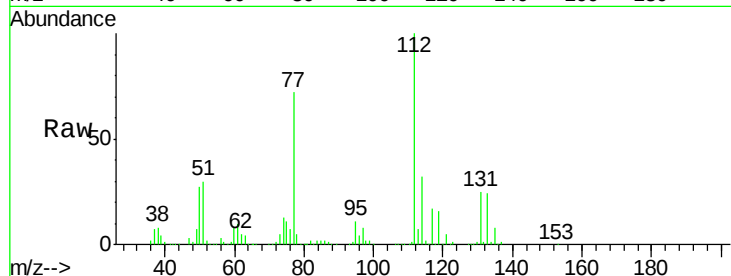
Tot Ion:112 Resp: 1598866

Ion Ratio Lower Upper

112 100

77 71.7 56.5 84.7

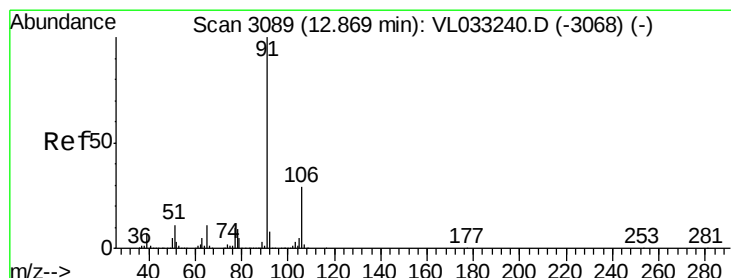
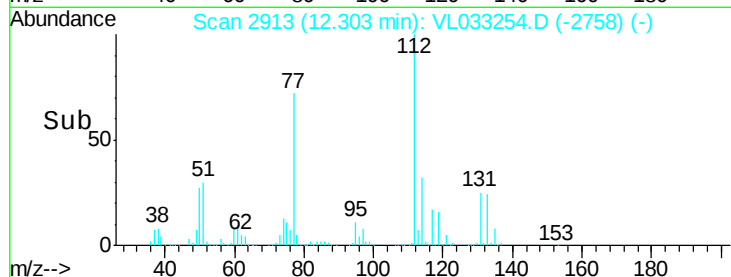
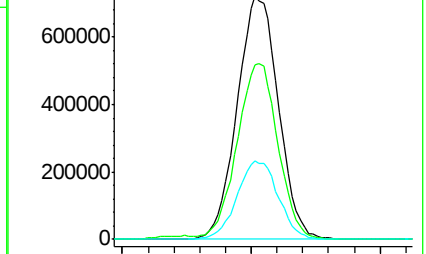
114 32.1 28.4 34.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.223 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL033254.D

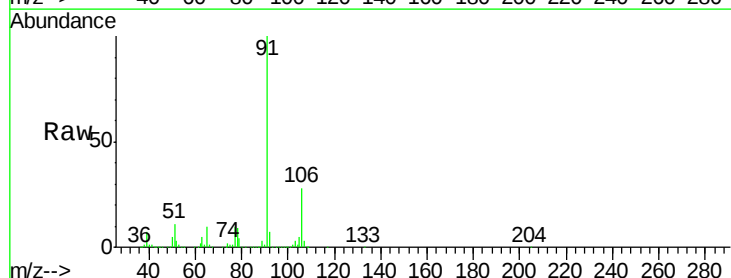
Acq: 6 Mar 2019 14:16

Tgt Ion: 91 Resp: 3045138

Ion Ratio Lower Upper

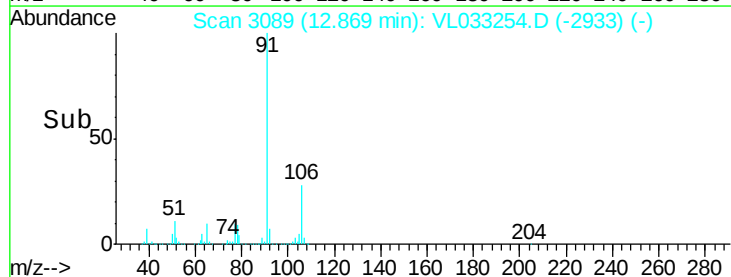
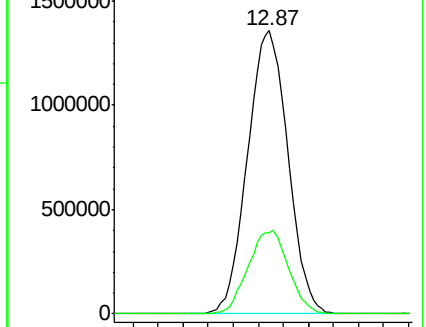
91 100

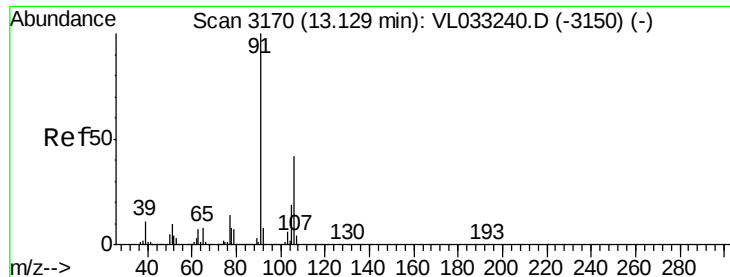
106 28.4 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

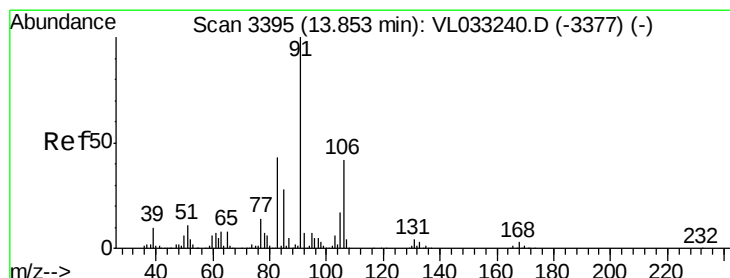
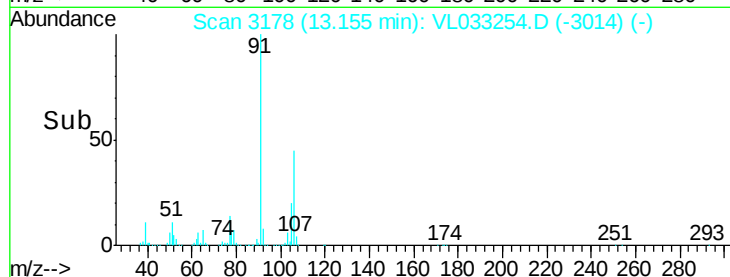
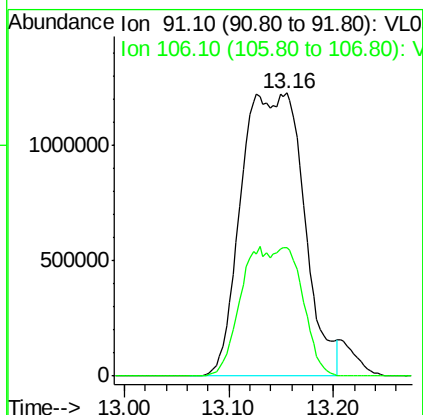
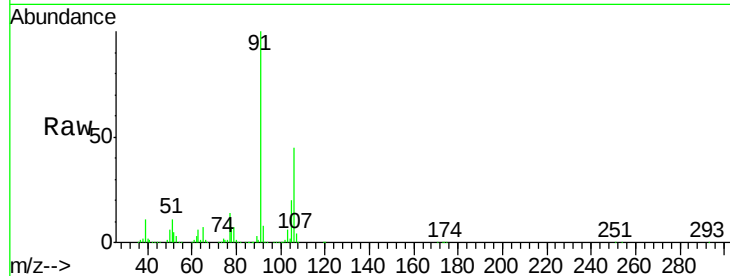
Ion 106.10 (105.80 to 106.80): V





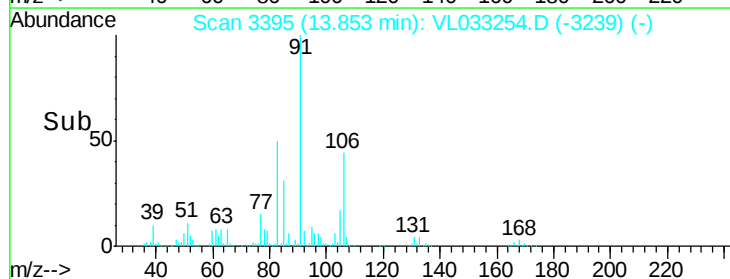
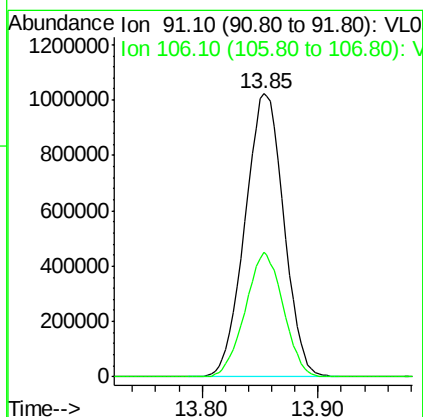
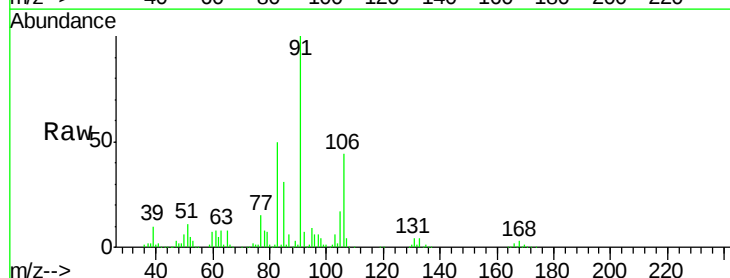
#59
m/p-Xylene
Concen: 20.025 ppbv m
RT: 13.16 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

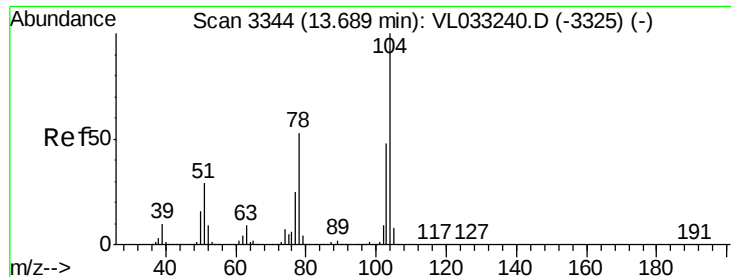
Tot Ion: 91 Resp: 5082757
Ion Ratio Lower Upper
91 100
106 43.8 35.6 53.4



#60
o-Xylene
Concen: 9.842 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion: 91 Resp: 2381968
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3

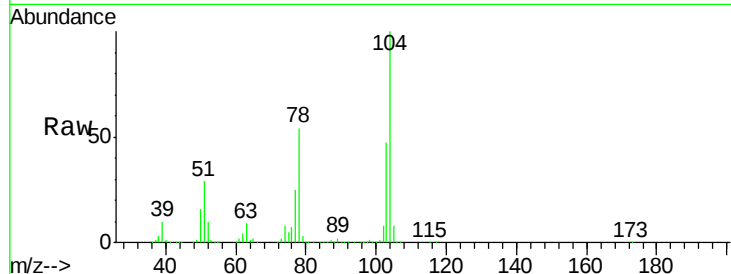




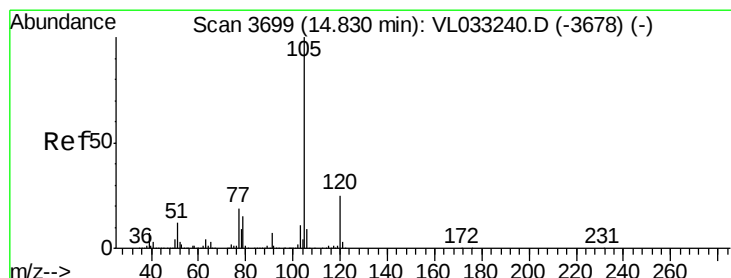
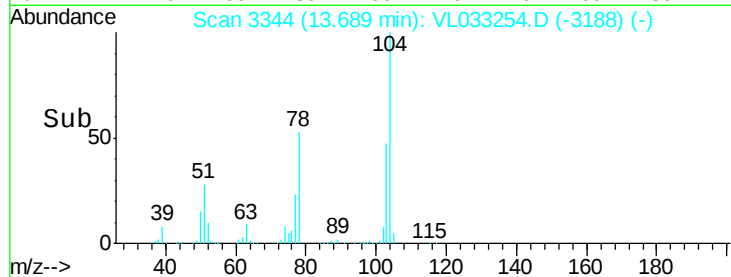
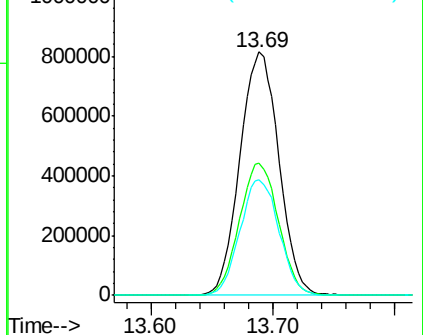
#61
Stvrene
Concen: 10.558 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion:104 Resp: 1796945

Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.7	65.5
103	47.9	38.2	57.2



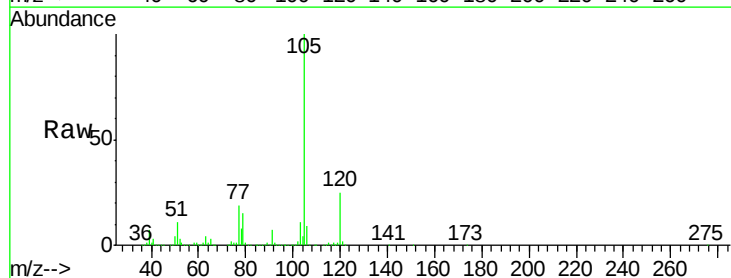
Abundance Ion 104.10 (103.80 to 104.80): V
 Ion 78.10 (77.80 to 78.80): V
 Ion 103.10 (102.80 to 103.80): V



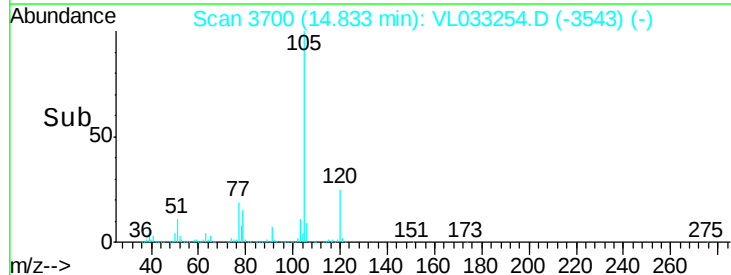
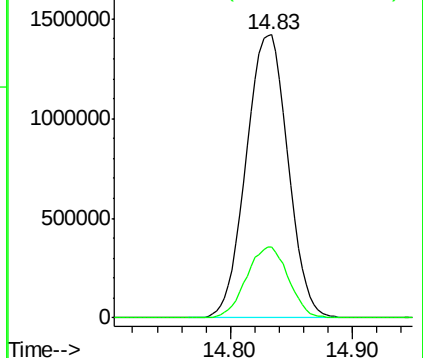
#62
Isopropylbenzene
Concen: 9.986 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

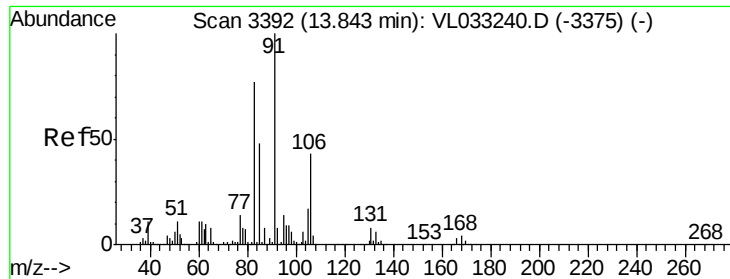
Tgt Ion:105 Resp: 3369254

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.1	30.1



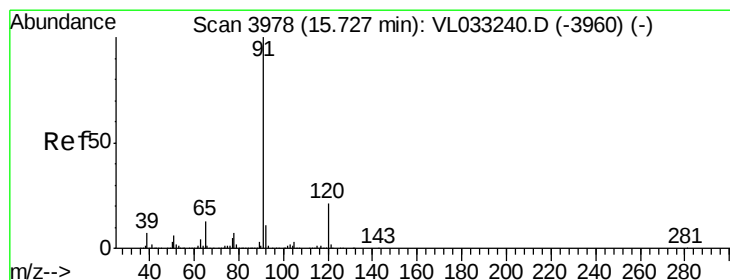
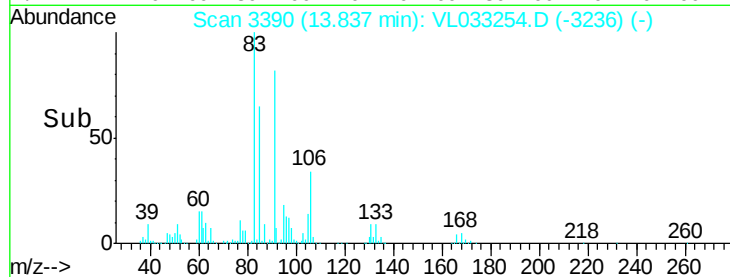
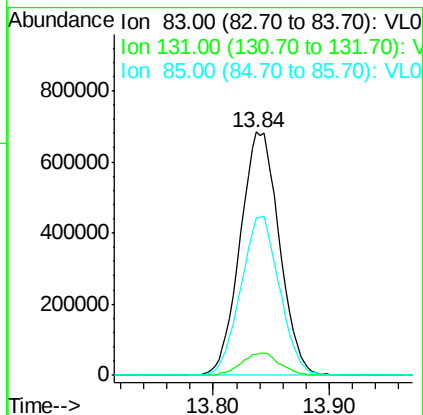
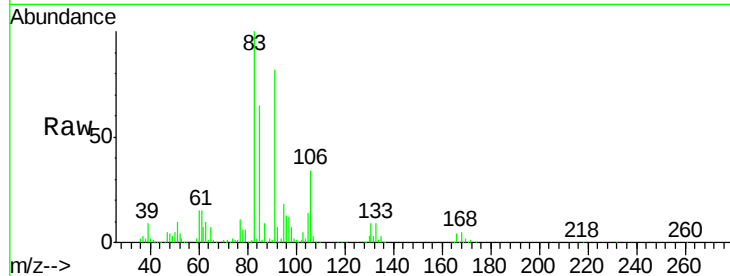
Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V





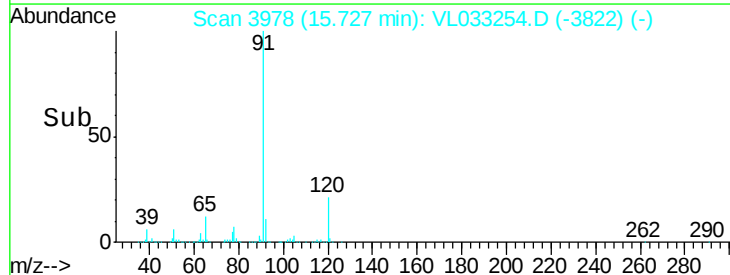
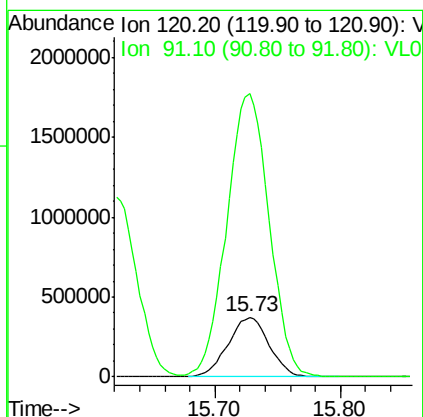
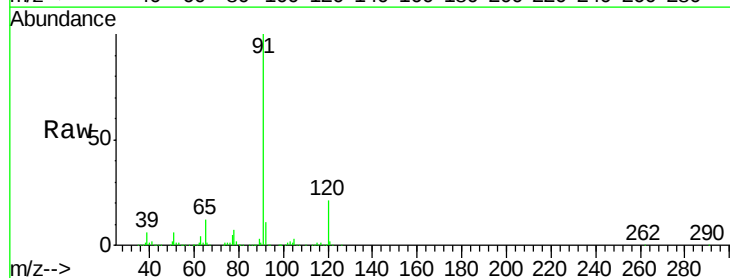
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.347 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

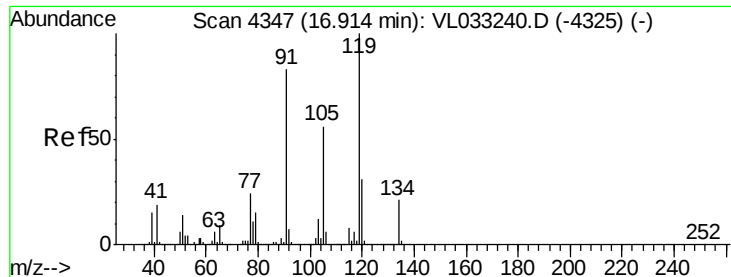
Tot Ion: 83 Resp: 1609661
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 64.8 32.6 97.8



#64
 n-propylbenzene
 Concen: 10.160 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion:120 Resp: 849734
 Ion Ratio Lower Upper
 120 100
 91 490.0 392.2 588.4





#65

tert-Butylbenzene

Concen: 10.095 ppbv

RT: 16.91 min Scan# 4347

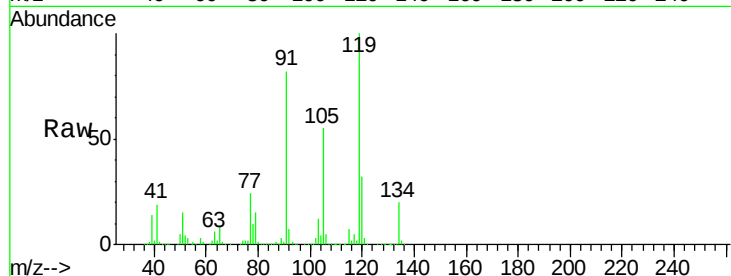
Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tot Ion:119 Resp: 2908058

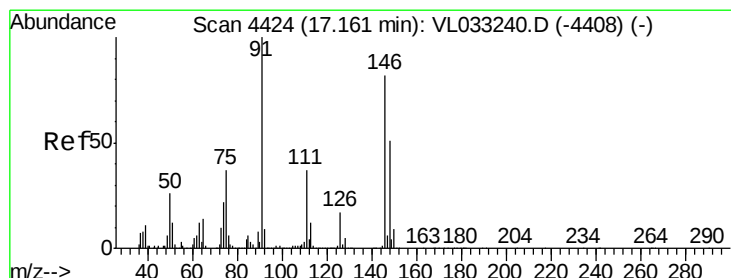
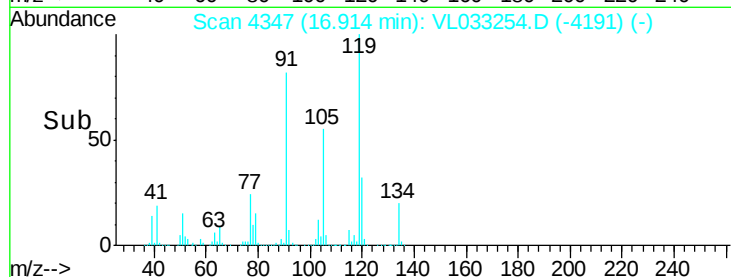
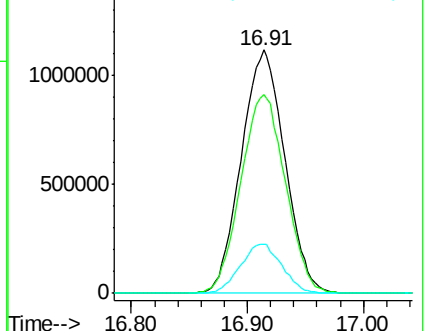
Ion	Ratio	Lower	Upper
119	100		
91	83.8	67.0	100.4
134	19.4	15.4	23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.210 ppbv

RT: 17.16 min Scan# 4424

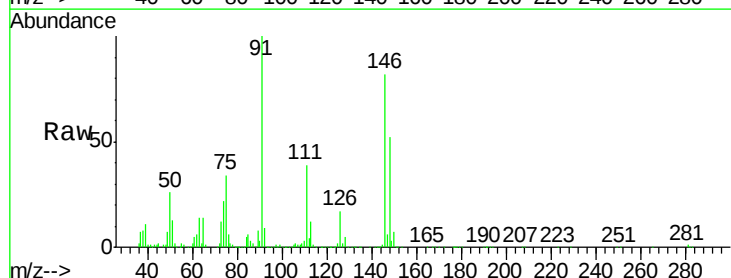
Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 91 Resp: 1471920

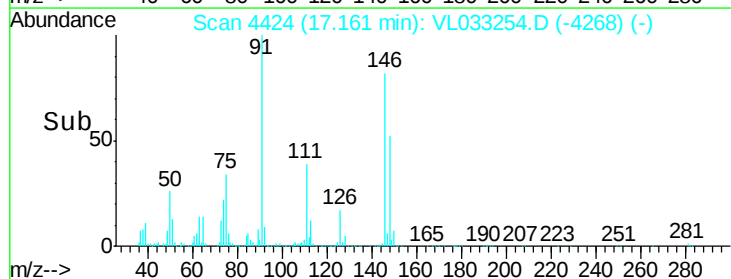
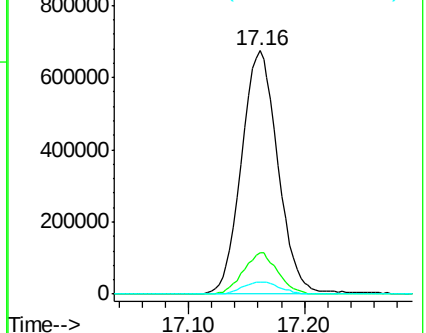
Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.4	20.0
128	5.3	4.2	6.2

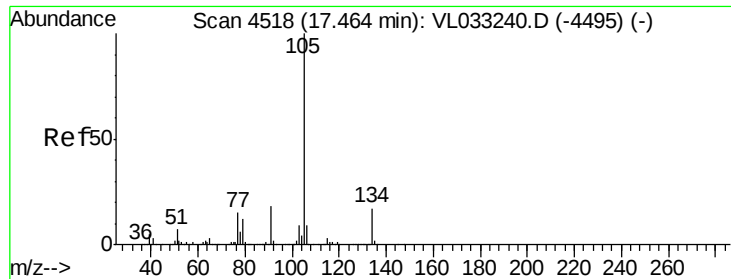


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.182 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. 0.00 min

Lab File: VL033254.D

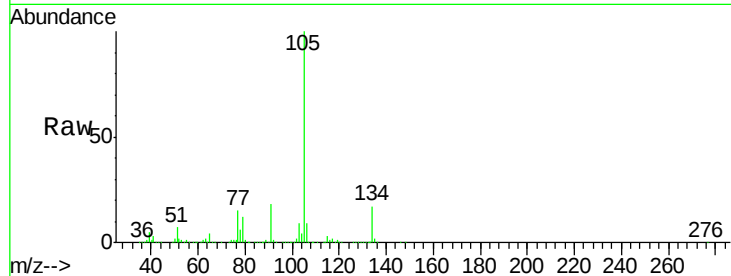
Acq: 6 Mar 2019 14:16

Tot Ion: 105 Resp: 4181395

Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

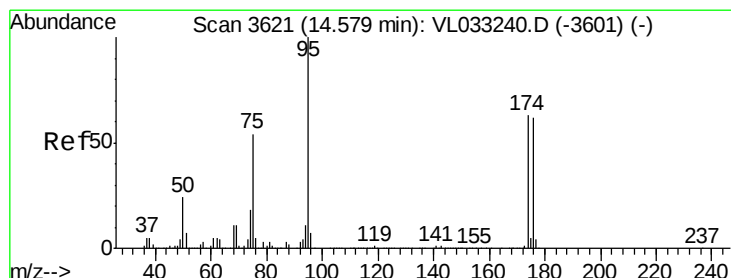
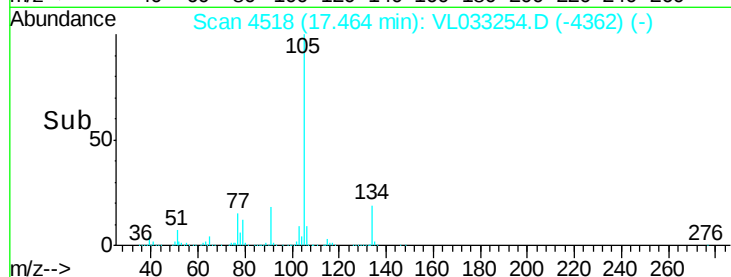
1000000

500000

0

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.880 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

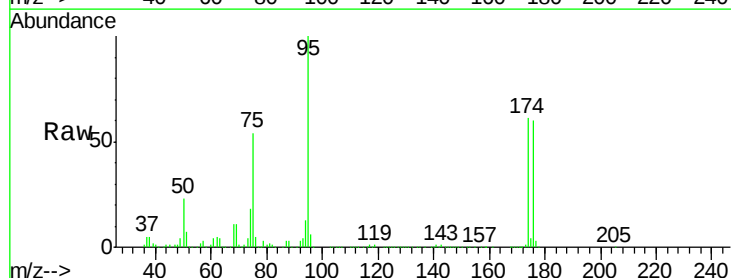
Tgt Ion: 95 Resp: 1614354

Ion Ratio Lower Upper

95 100

174 64.1 51.0 76.4

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

600000

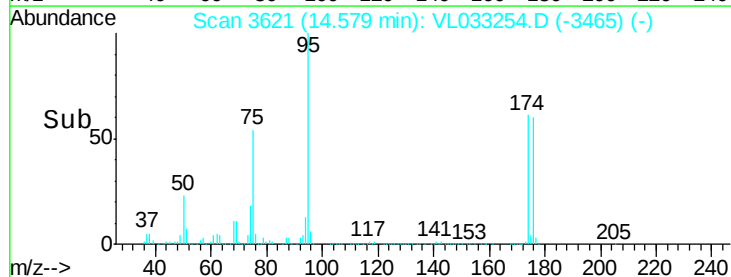
400000

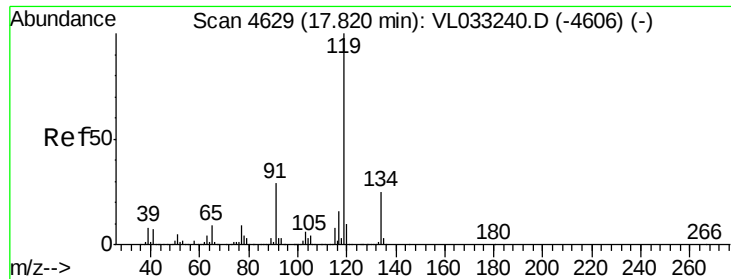
200000

0

14.50 14.60

Time-->

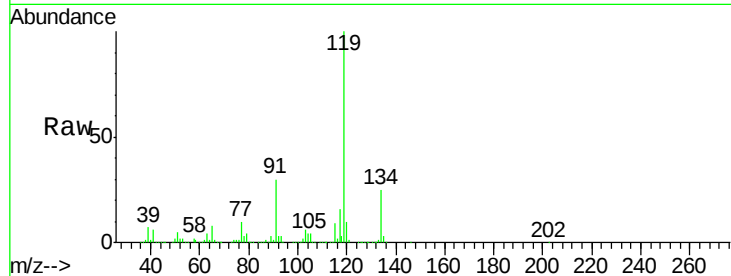




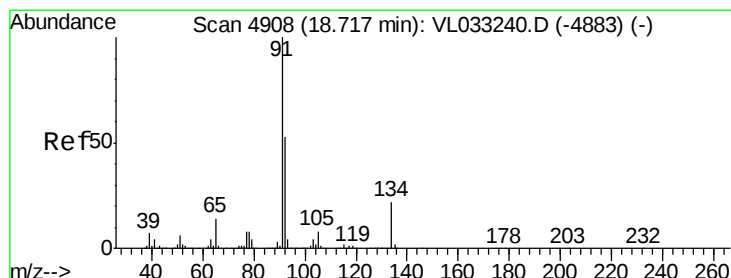
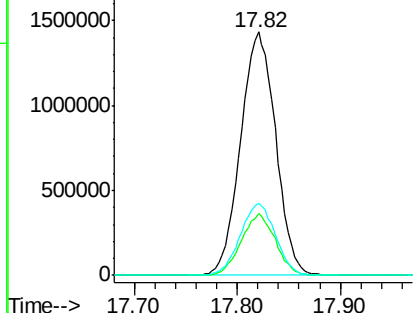
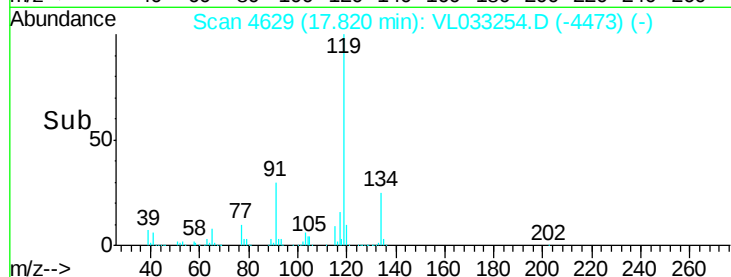
#69
 p-Isopropyltoluene
 Concen: 10.186 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tot Ion: 119 Resp: 3382421

Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.9	29.9
91	29.8	23.9	35.9



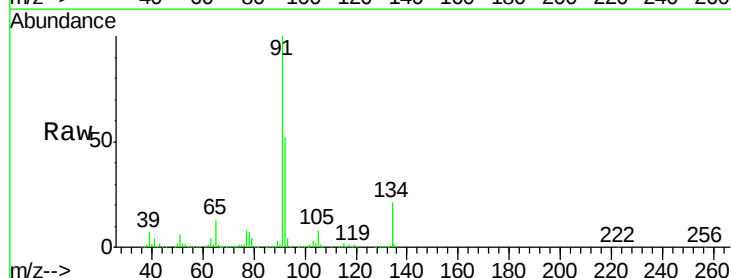
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



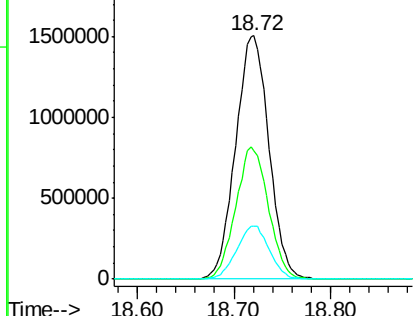
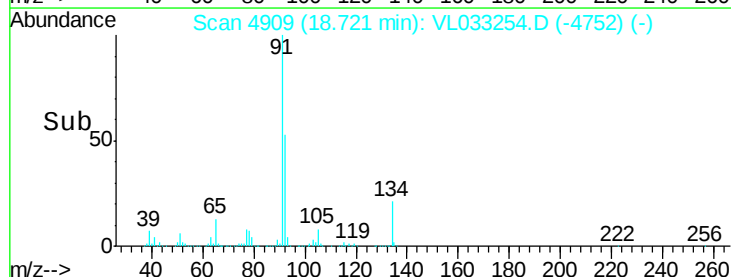
#70
 n-Butylbenzene
 Concen: 9.874 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

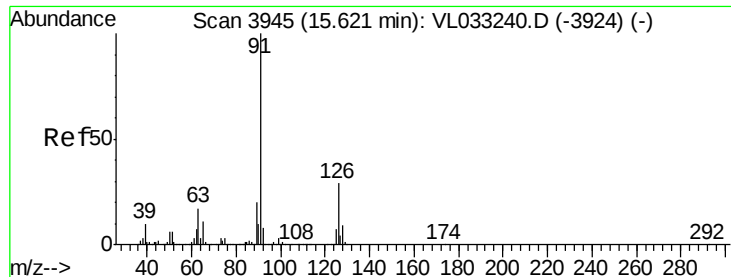
Tgt Ion: 91 Resp: 3591521

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.4	63.6
134	21.6	17.3	25.9



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





#71

2-Chlorotoluene

Concen: 10.130 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VL033254.D

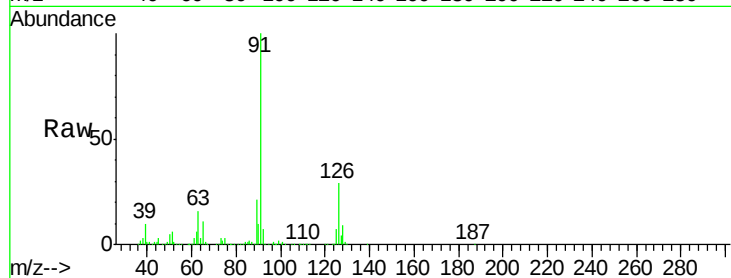
Acq: 6 Mar 2019 14:16

Tot Ion: 91 Resp: 2613363

Ion Ratio Lower Upper

91 100

126 28.8 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

500000

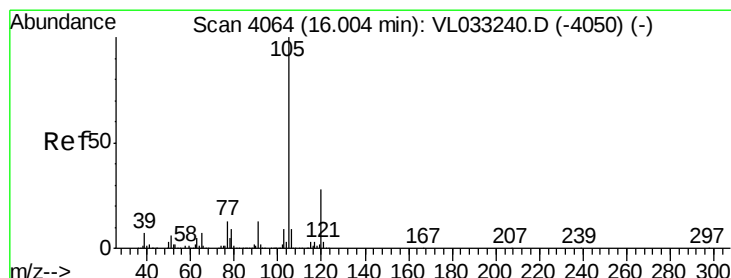
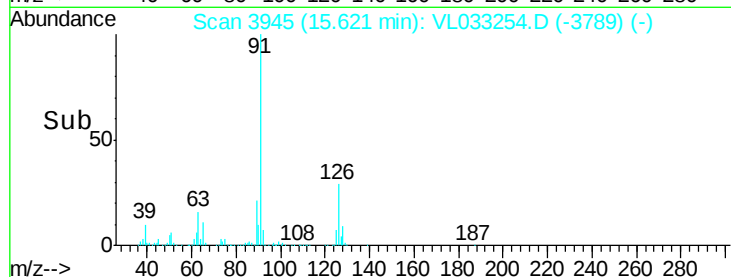
0

15.50

15.62

15.70

Time-->



#72

4-Ethyltoluene

Concen: 10.551 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion:105 Resp: 2790481

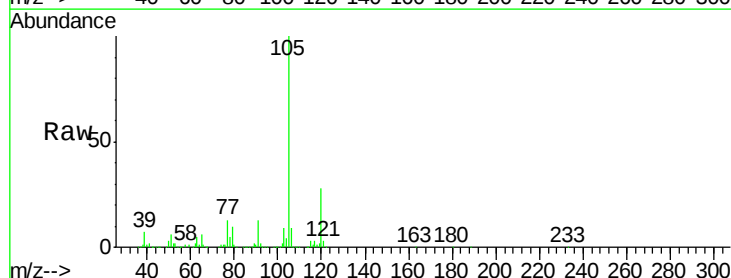
Ion Ratio Lower Upper

105 100

120 28.5 22.3 33.5

91 12.7 10.3 15.5

77 13.7 11.3 16.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

1000000

500000

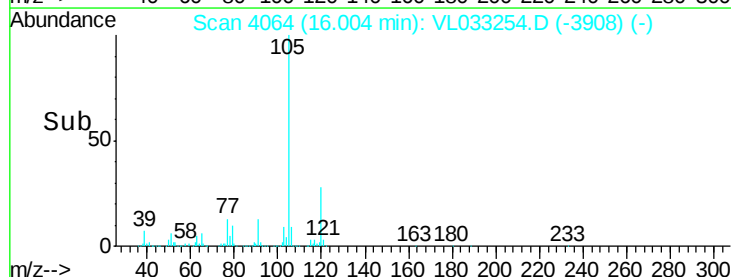
0

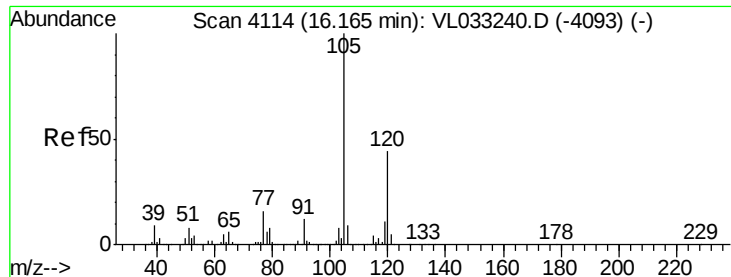
15.90

16.00

16.10

Time-->

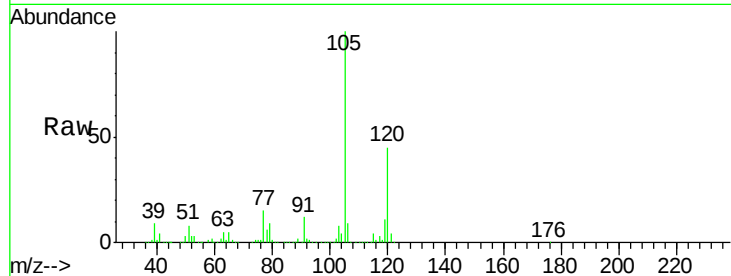




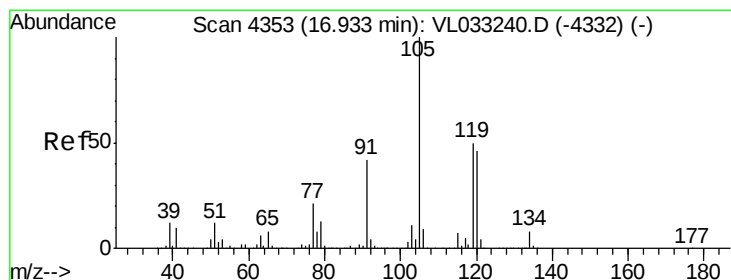
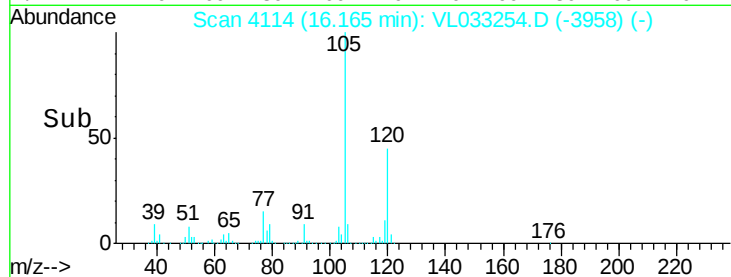
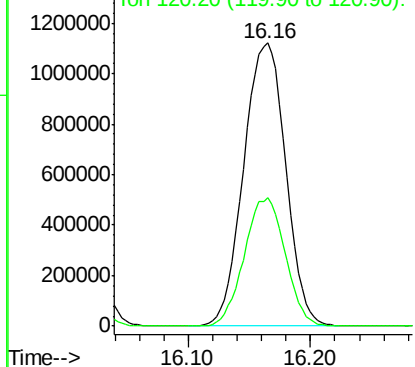
#73

1,3,5-Trimethylbenzene
Concen: 10.487 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion:105 Resp: 2662264
Ion Ratio Lower Upper
105 100
120 45.2 35.0 52.6



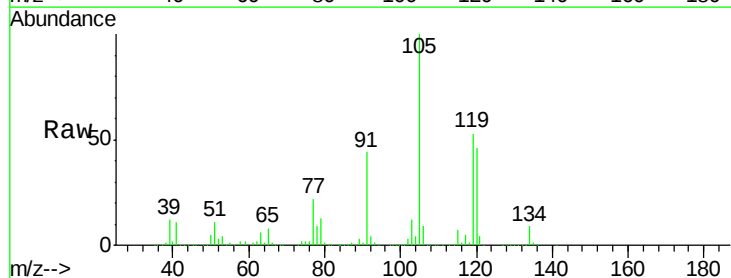
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



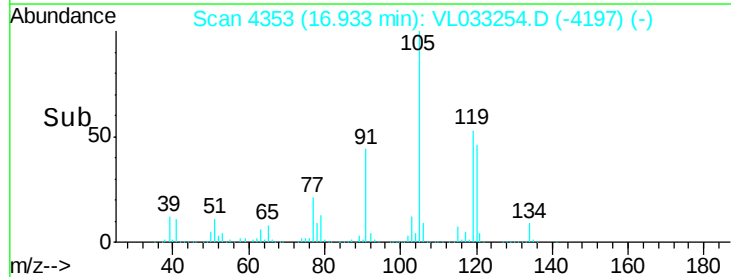
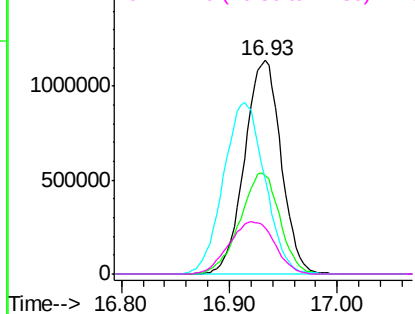
#74

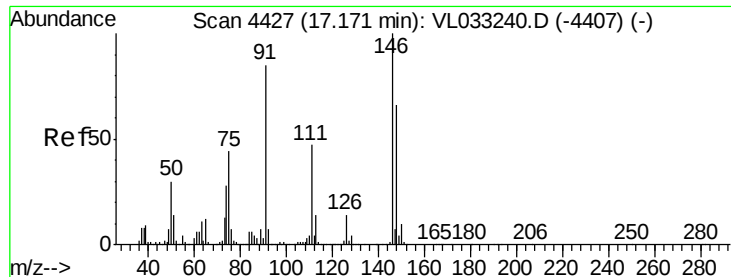
1,2,4-Trimethylbenzene
Concen: 9.983 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt Ion:105 Resp: 2663805
Ion Ratio Lower Upper
105 100
120 46.3 36.5 54.7
91 44.2 34.4 51.6
77 21.5 17.0 25.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.773 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

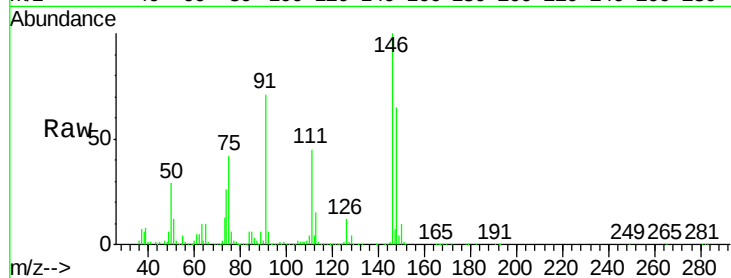
Tot Ion:146 Resp: 1525153

Ion Ratio Lower Upper

146 100

111 46.3 23.4 70.0

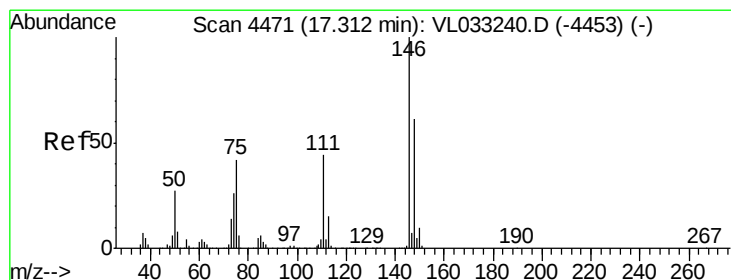
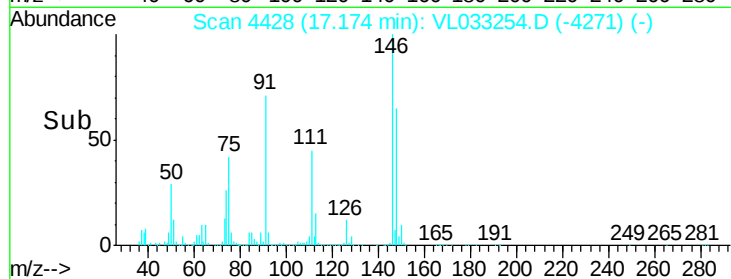
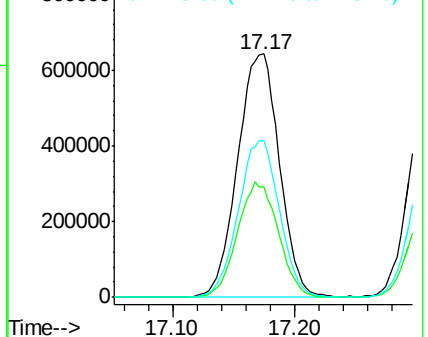
148 63.4 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.091 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

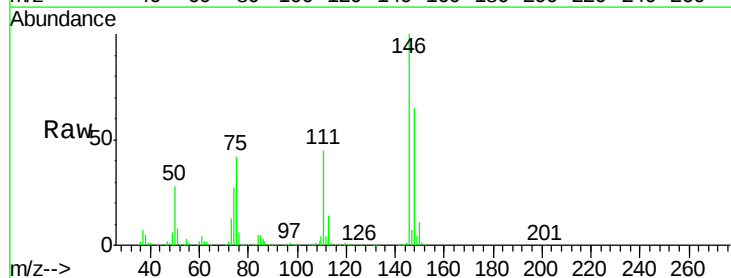
Tgt Ion:146 Resp: 1560756

Ion Ratio Lower Upper

146 100

111 43.9 22.4 67.3

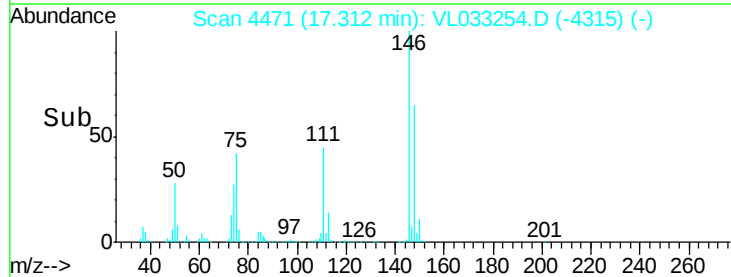
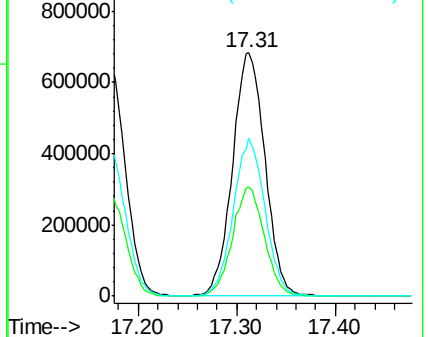
148 63.6 32.1 96.3

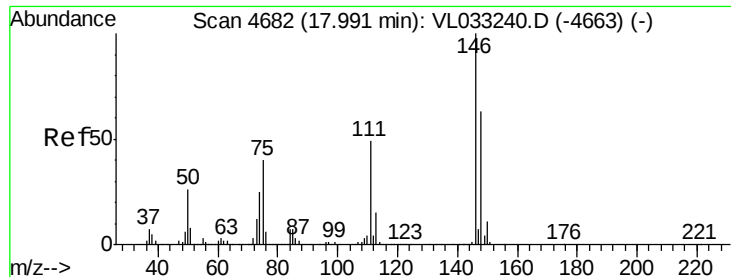


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.703 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

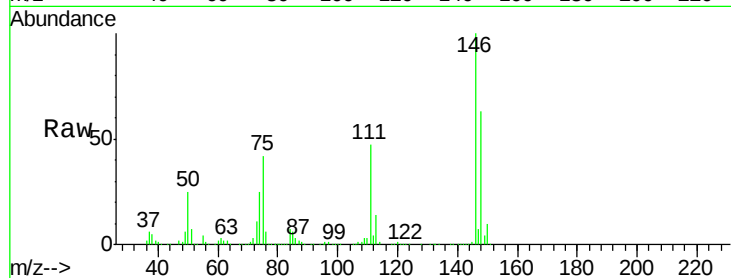
Tot Ion:146 Resp: 1470059

Ion Ratio Lower Upper

146 100

111 47.4 23.6 71.0

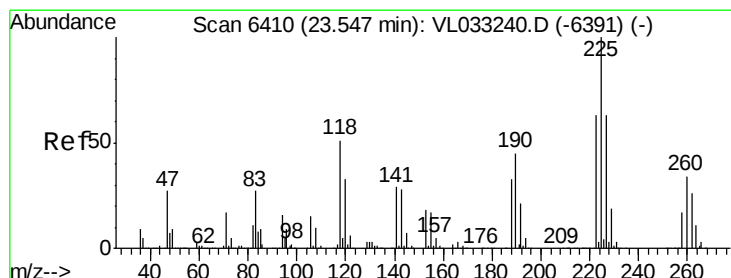
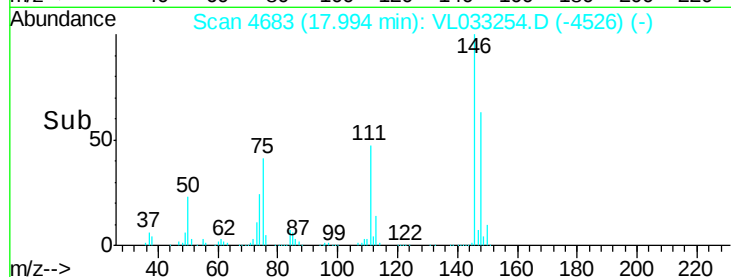
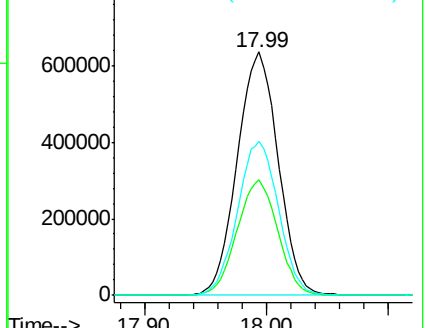
148 63.8 32.3 96.9



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: 10.935 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

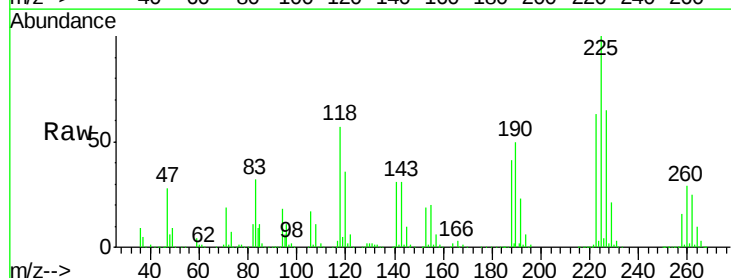
Tgt Ion:225 Resp: 1172452

Ion Ratio Lower Upper

225 100

223 63.7 50.9 76.3

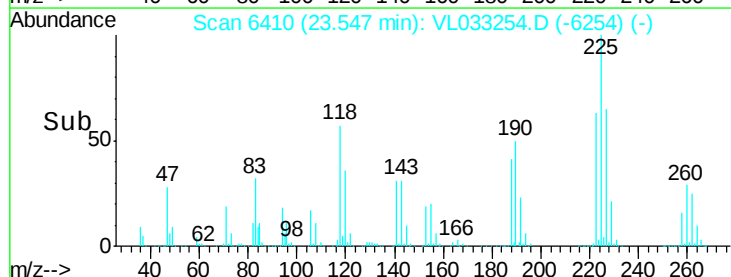
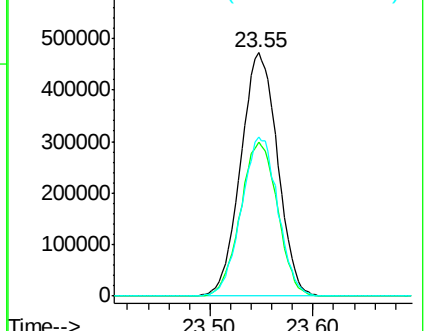
227 64.6 50.7 76.1

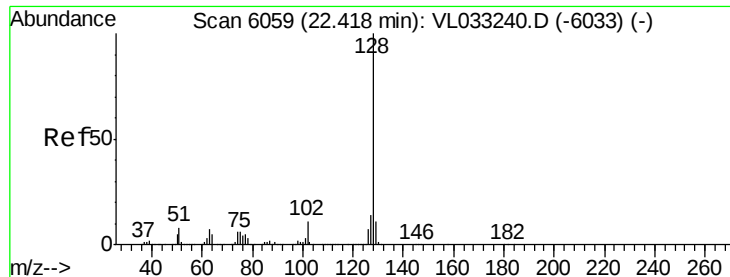


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

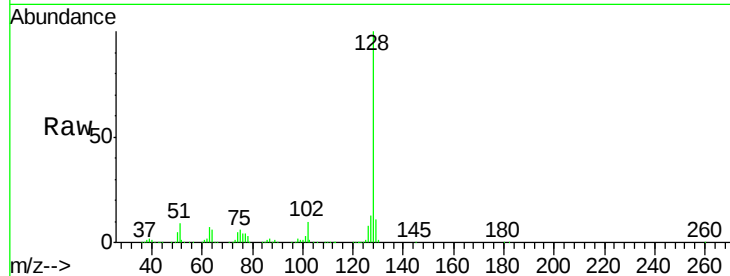




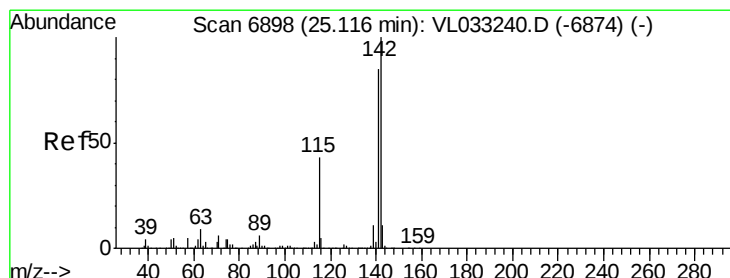
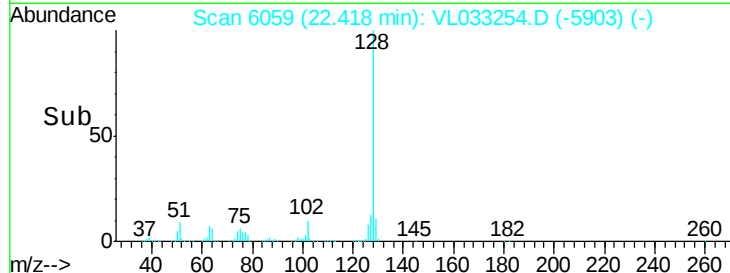
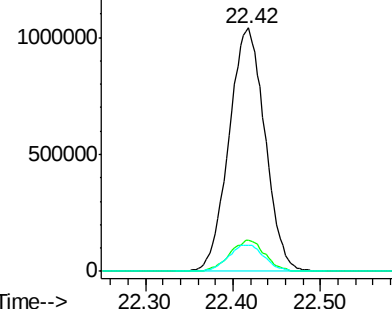
#79
Naphthalene
Concen: 9.087 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tot Ion:128 Resp: 2964815

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.9	8.6	13.0



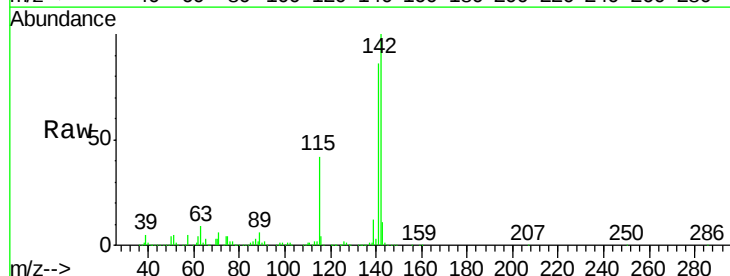
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



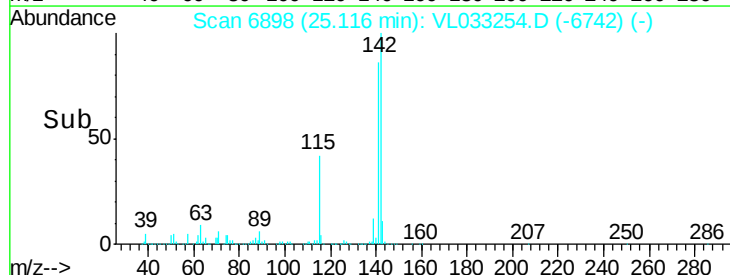
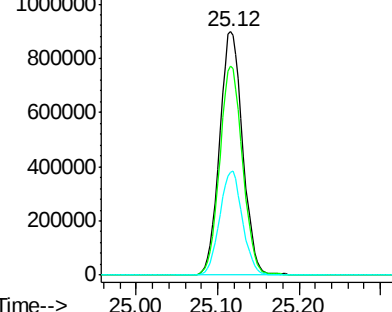
#80
Naphthalene, 2-methyl-
Concen: 18.241 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

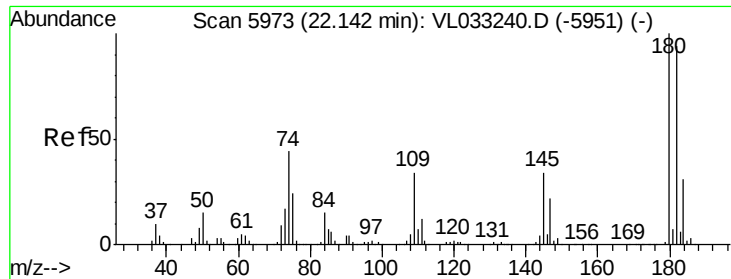
Tgt Ion:142 Resp: 1778128

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.0	102.0
115	42.4	34.1	51.1



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





#81
 1,2,4-Trichlorobenzene
 Concen: 8.488 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tot Ion:180 Resp: 1391660
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 114.8
 184 30.8 24.3 36.5

