

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 04:17:01 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	2622890	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1614354	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds						Qvalue
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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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	8.164	ppbv #	63
57) Chlorobenzene	12.30	112	1598866	7.829	ppbv	99
58) Ethyl Benzene	12.87	91	3045138	8.393	ppbv	98
59) m/p-Xylene	13.13	91	2459746	7.956	ppbv #	29
60) o-Xylene	13.85	91	2381968	8.081	ppbv	100
61) Styrene	13.69	104	1796945	8.668	ppbv	100
62) Isopropylbenzene	14.83	105	3369254	8.198	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1609661	7.674	ppbv	99
64) n-propylbenzene	15.73	120	849734	8.341	ppbv	100
65) tert-Butylbenzene	16.91	119	2908058	8.288	ppbv	100
66) Benzyl Chloride	17.16	91	1471920	10.846	ppbv	99
67) sec-Butylbenzene	17.46	105	4181395	8.359	ppbv	100
69) p-Isopropyltoluene	17.82	119	3382421	8.362	ppbv	100
70) n-Butylbenzene	18.72	91	3591521	8.106	ppbv	100
71) 2-Chlorotoluene	15.62	91	2613363	8.317	ppbv	100
72) 4-Ethyltoluene	16.00	105	2790481	8.662	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2662264	8.610	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2663805	8.196	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1525153	8.023	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1560756	8.285	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1470059	7.966	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1172452	8.978	ppbv	99
79) Naphthalene	22.42	128	2964815	7.460	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1778128	14.976	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1391660	6.969	ppbv	100

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

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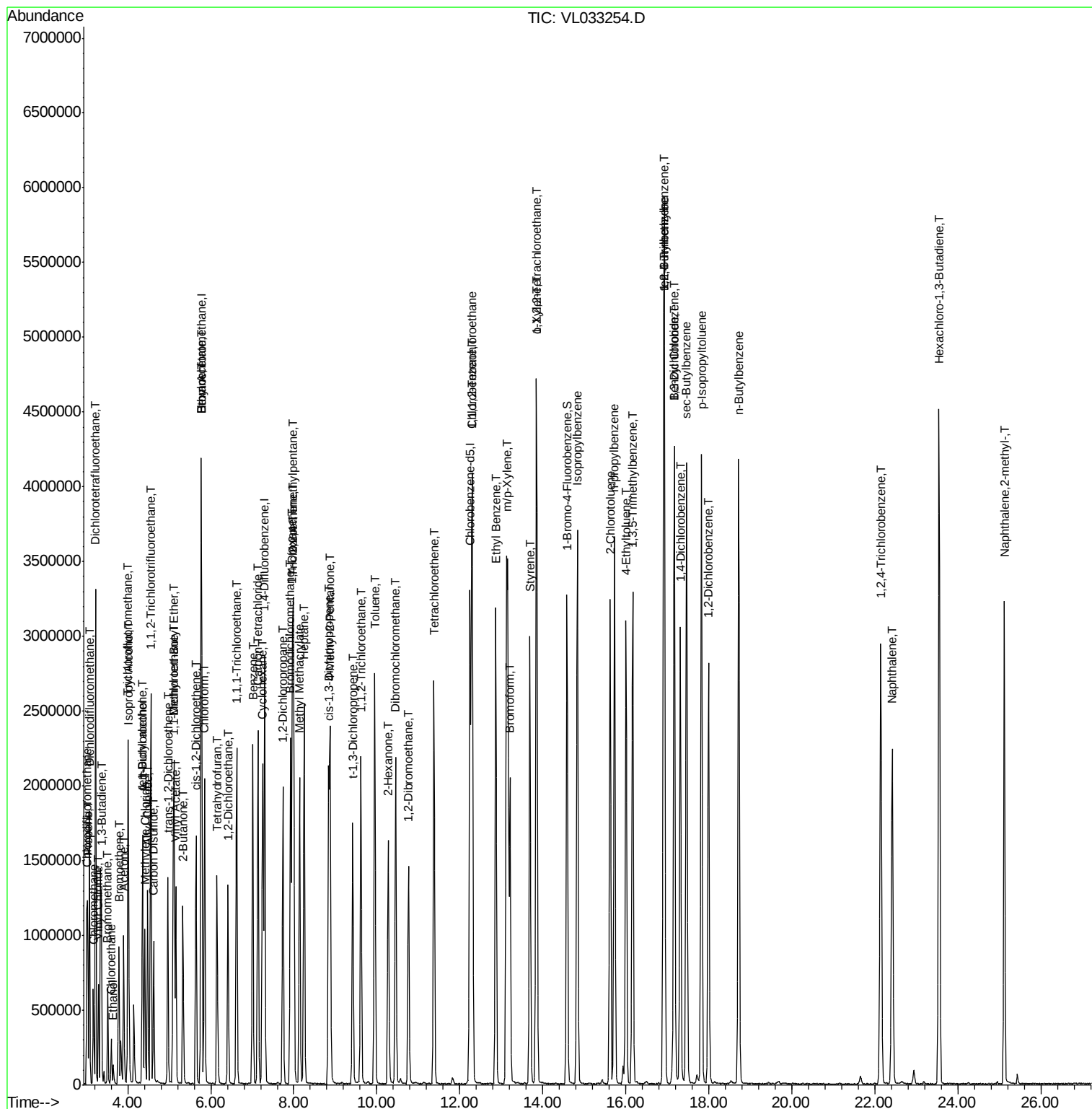
Quant Time: Mar 07 04:17:01 2019

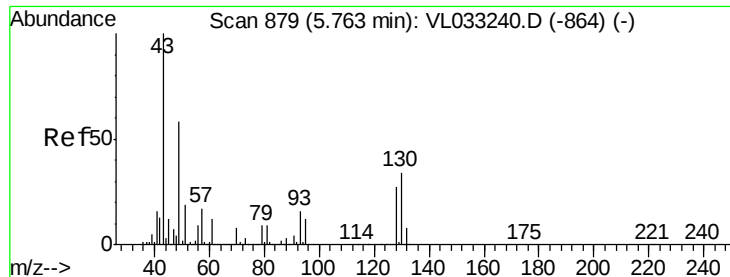
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL030619AIR.M

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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

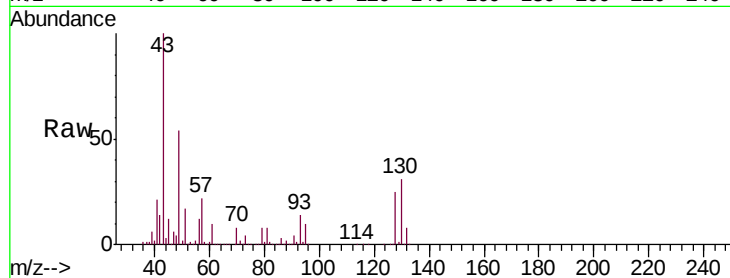
Tgt Ion: 49 Resp: 876995

Ion Ratio Lower Upper

49 100

128 46.9 22.9 68.8

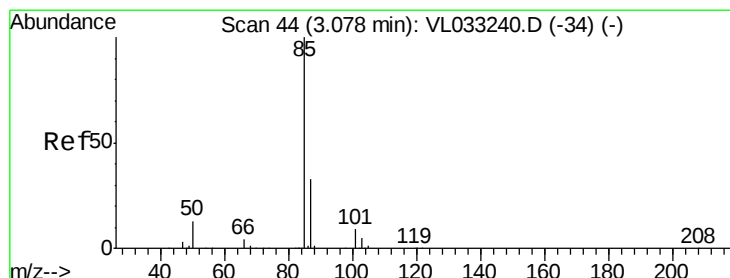
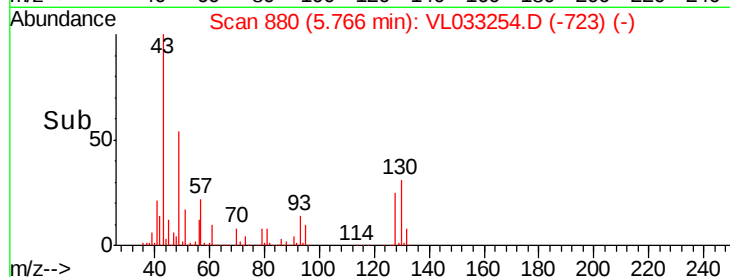
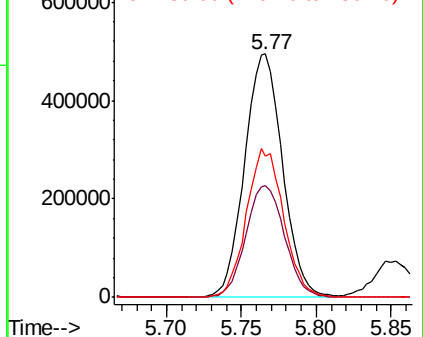
130 60.1 29.3 88.0



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



#2

Dichlorodifluoromethane

Concen: 10.360 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033254.D

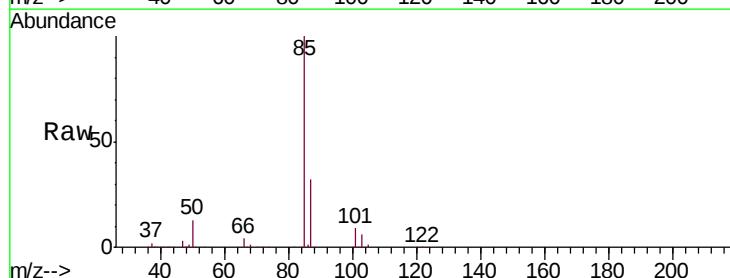
Acq: 6 Mar 2019 14:16

Tgt Ion: 85 Resp: 1283513

Ion Ratio Lower Upper

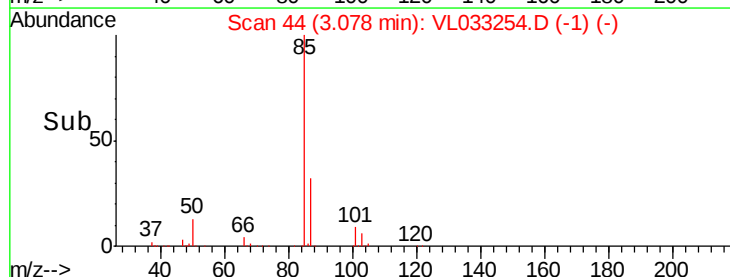
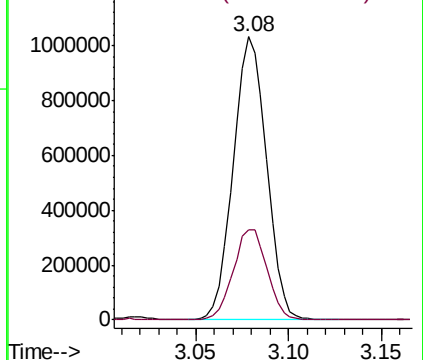
85 100

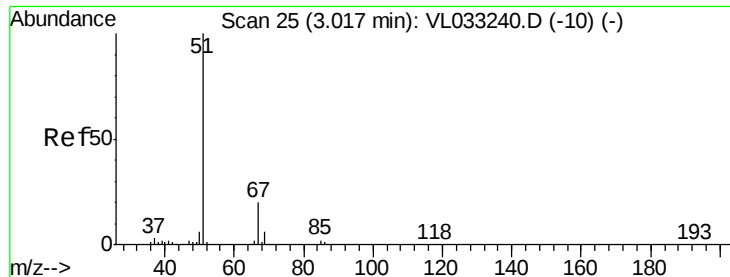
87 32.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.017 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033254.D

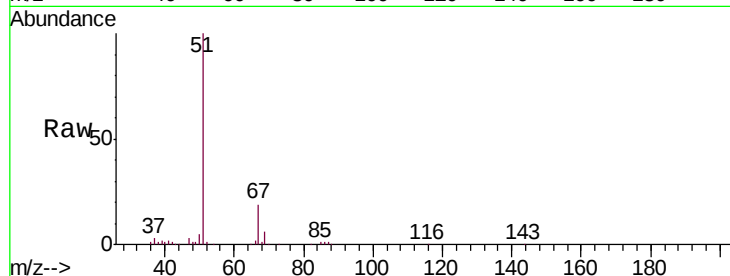
Acq: 6 Mar 2019 14:16

Tgt Ion: 51 Resp: 1005364

Ion Ratio Lower Upper

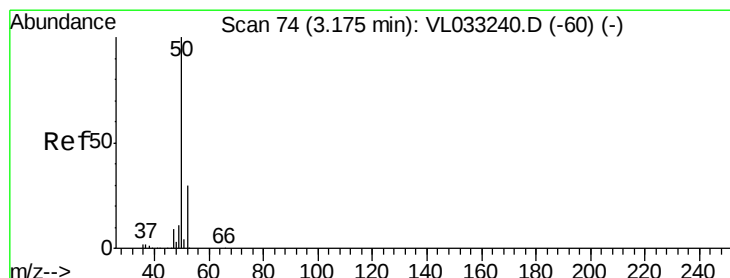
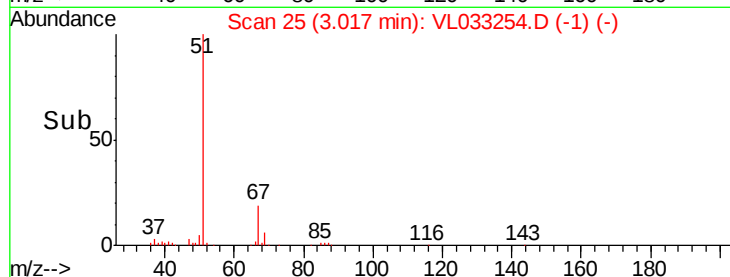
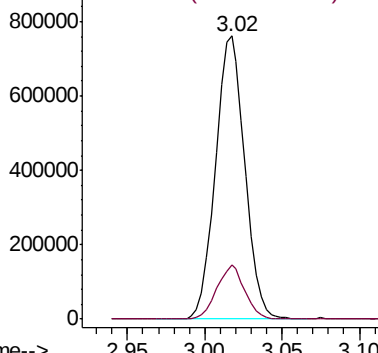
51 100

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

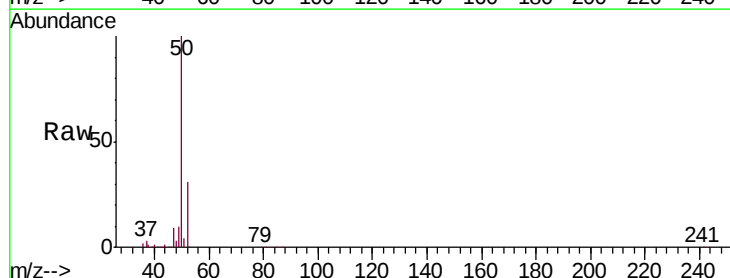
Acq: 6 Mar 2019 14:16

Tgt Ion: 50 Resp: 531295

Ion Ratio Lower Upper

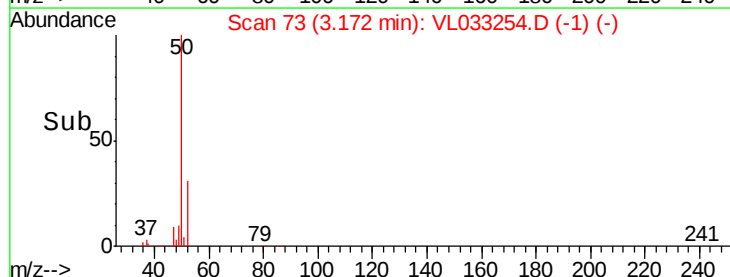
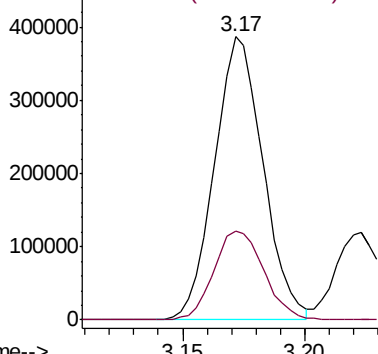
50 100

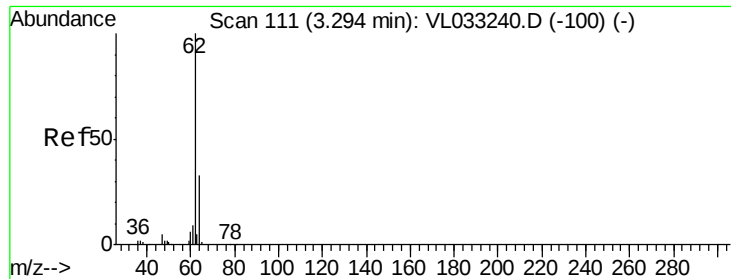
52 31.6 24.3 36.5



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

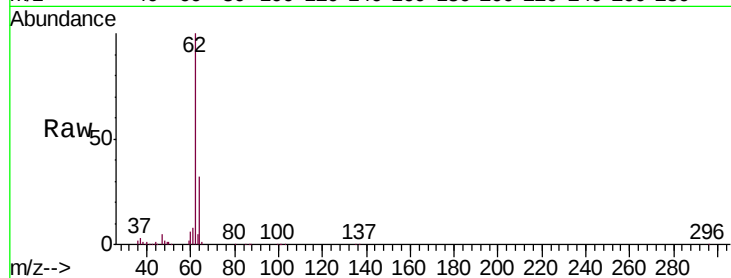
Acq: 6 Mar 2019 14:16

Tgt Ion: 62 Resp: 518834

Ion Ratio Lower Upper

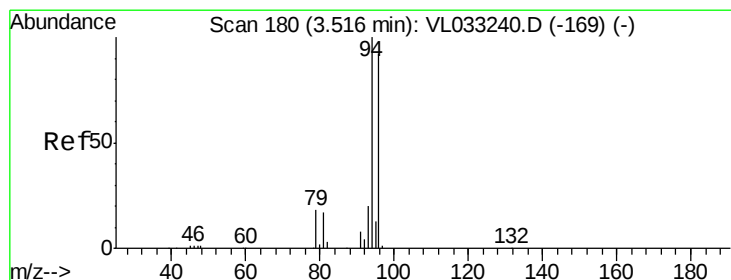
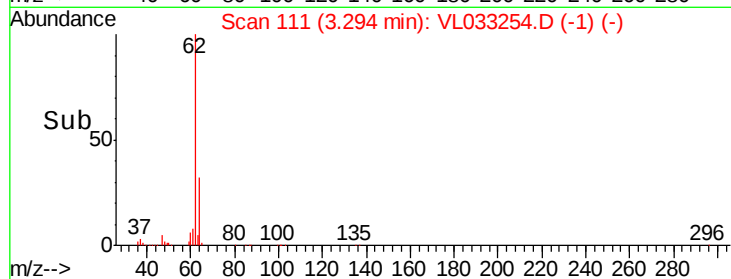
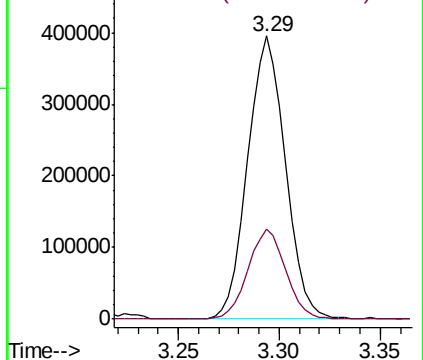
62 100

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

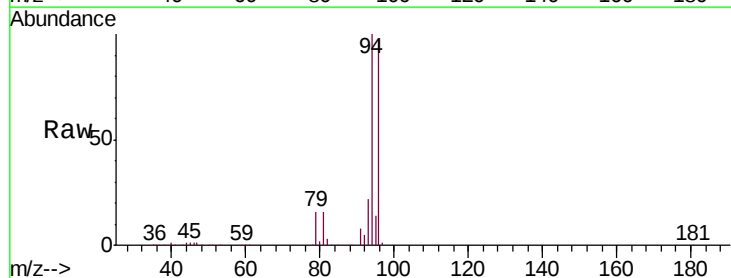
Acq: 6 Mar 2019 14:16

Tgt Ion: 94 Resp: 323089

Ion Ratio Lower Upper

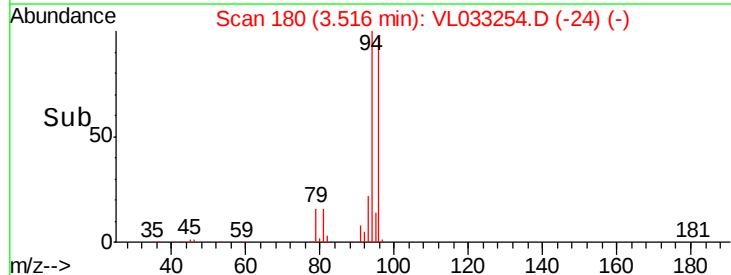
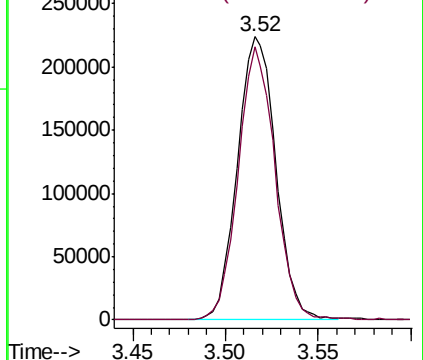
94 100

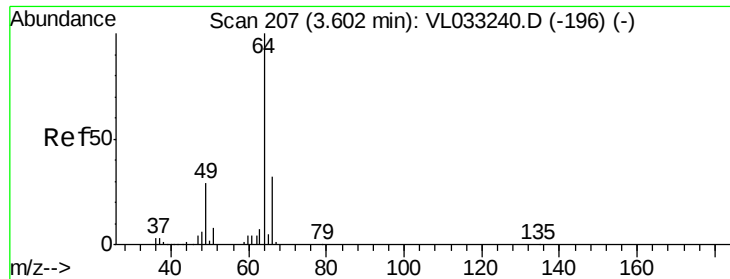
96 96.6 74.0 111.0



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

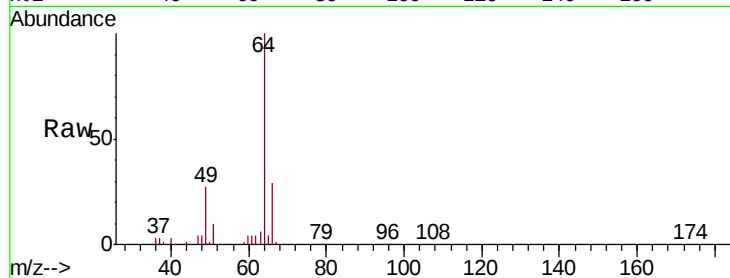
Acq: 6 Mar 2019 14:16

Tgt Ion: 64 Resp: 188824

Ion Ratio Lower Upper

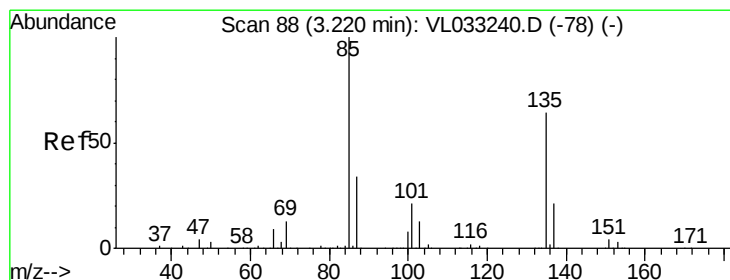
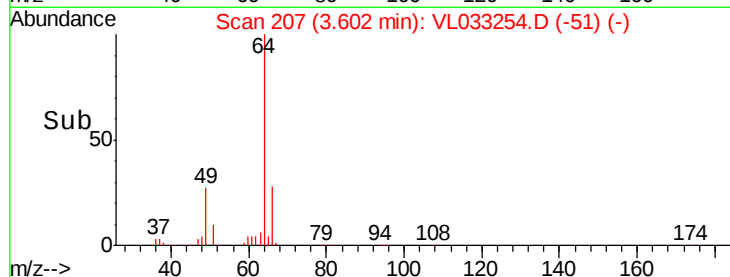
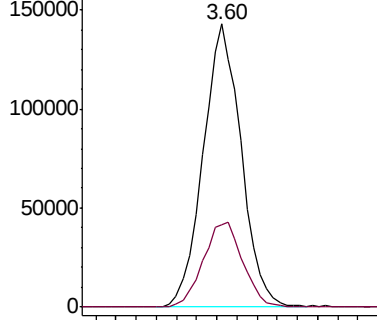
64 100

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



#8

Dichlorotetrafluoroethane

Concen: 10.263 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033254.D

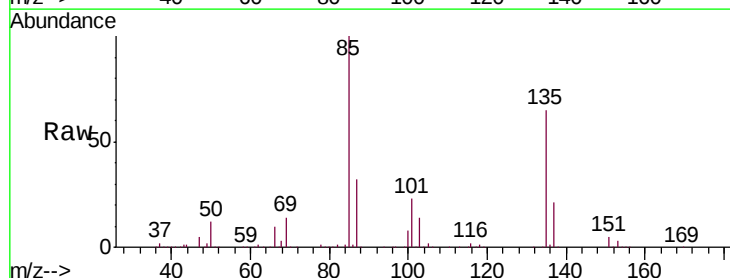
Acq: 6 Mar 2019 14:16

Tgt Ion: 85 Resp: 1256864

Ion Ratio Lower Upper

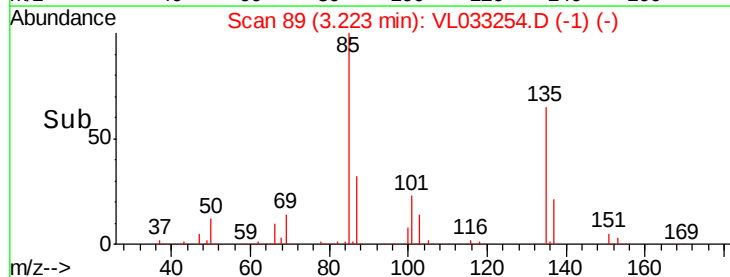
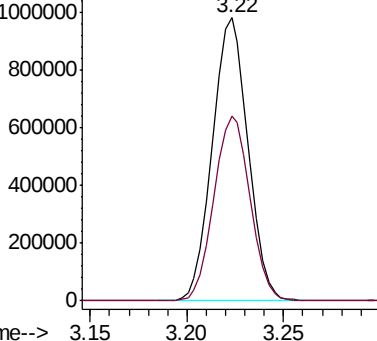
85 100

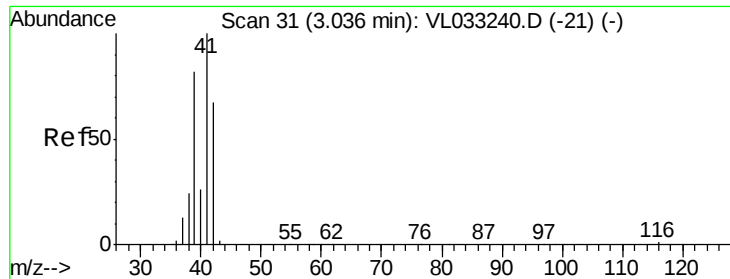
135 66.7 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.244 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033254.D

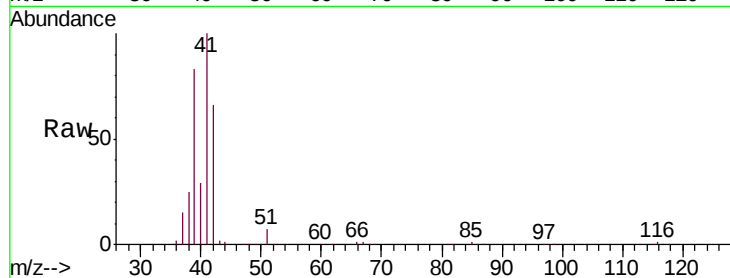
Acq: 6 Mar 2019 14:16

Tgt Ion: 41 Resp: 458183

Ion Ratio Lower Upper

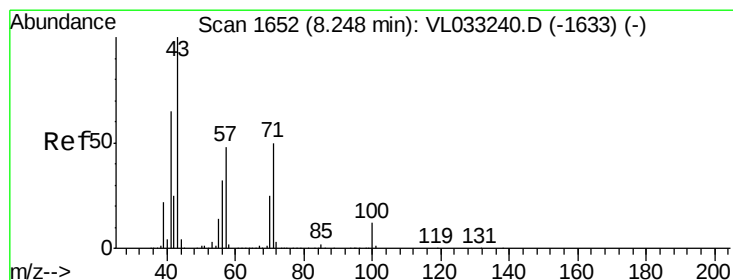
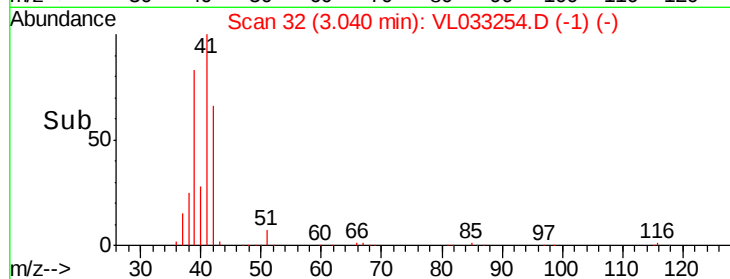
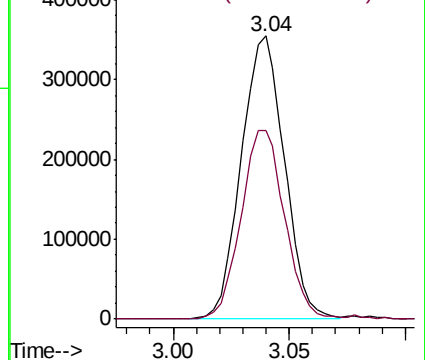
41 100

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

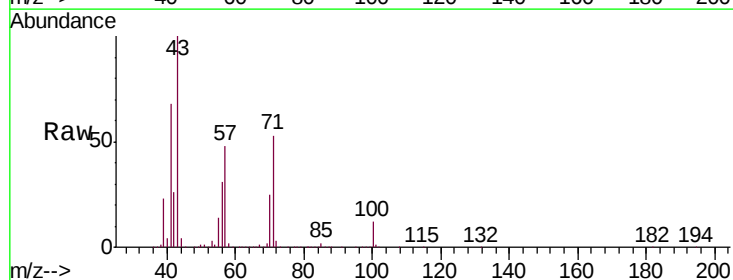
Acq: 6 Mar 2019 14:16

Tgt Ion: 43 Resp: 1192407

Ion Ratio Lower Upper

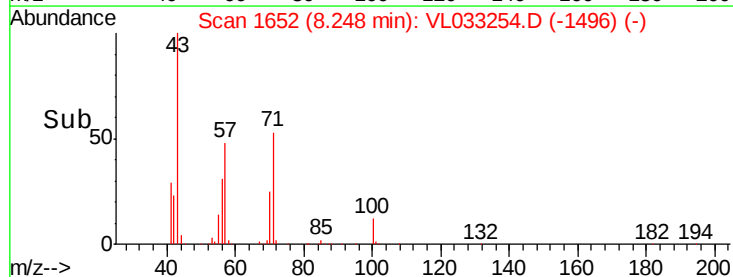
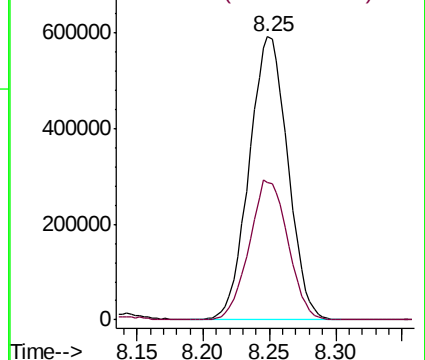
43 100

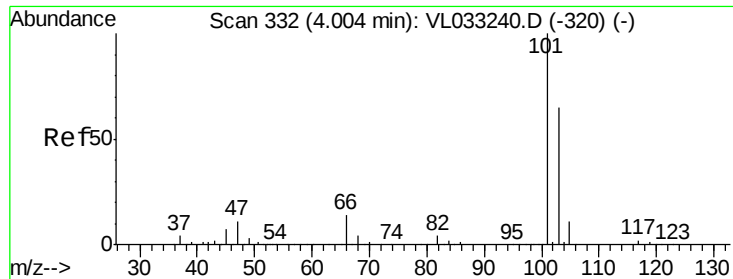
57 49.6 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

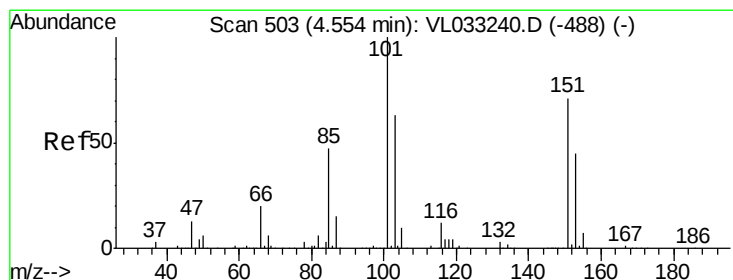
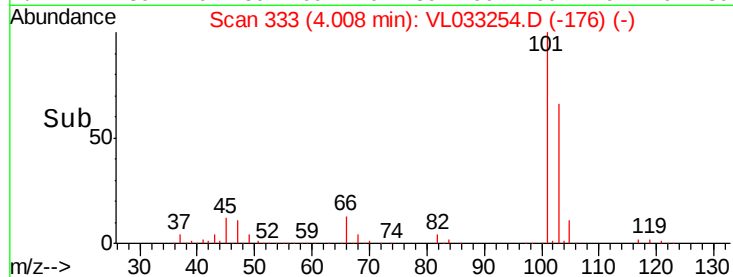
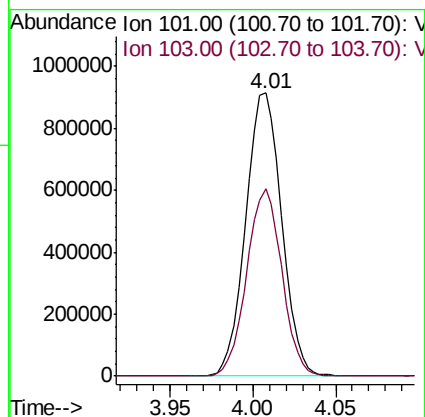
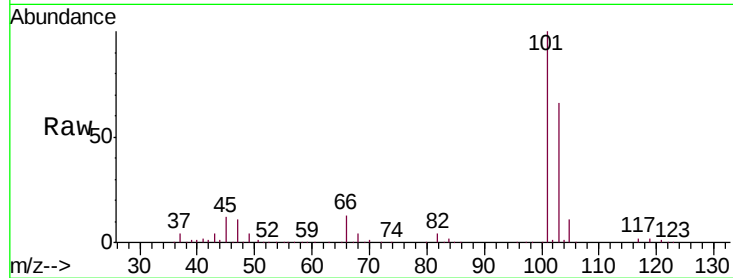
Ion 57.10 (56.80 to 57.80): VL0





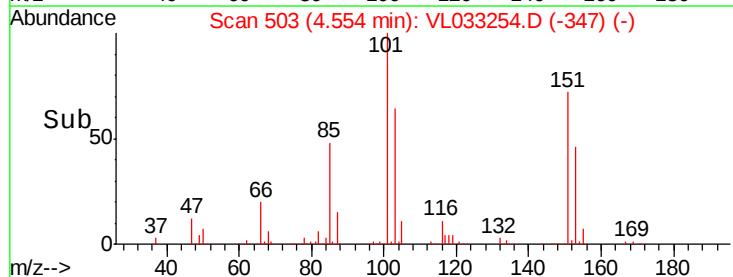
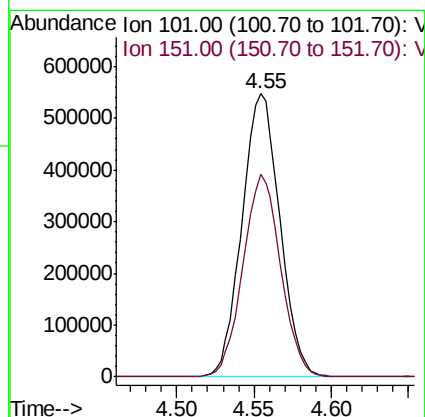
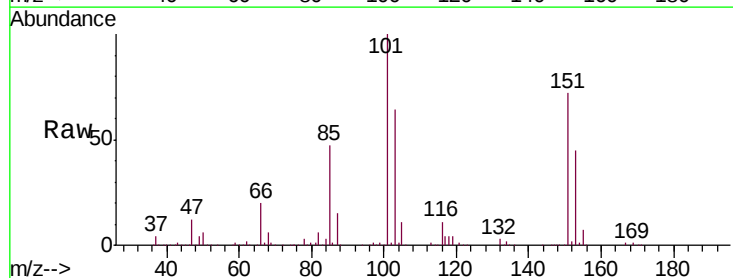
#11
 Trichlorofluoromethane
 Concen: 9.486 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

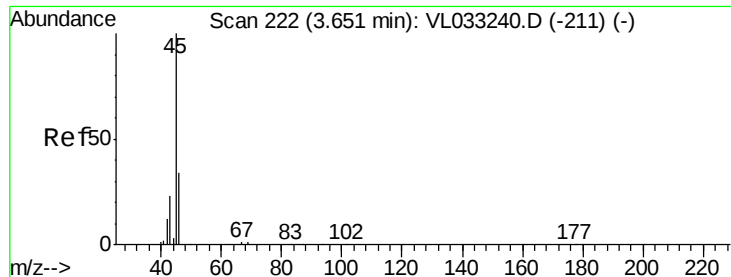
Tgt Ion:101 Resp: 1379831
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.7 77.5



#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





#13

Ethanol

Concen: 9.092 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033254.D

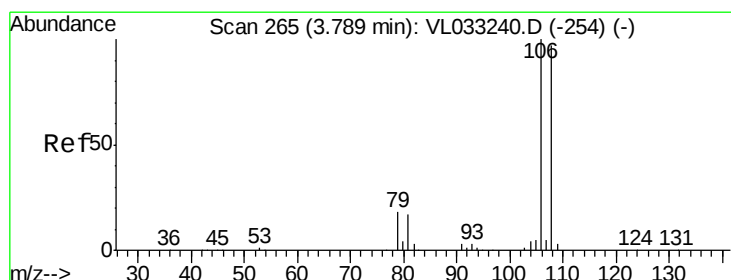
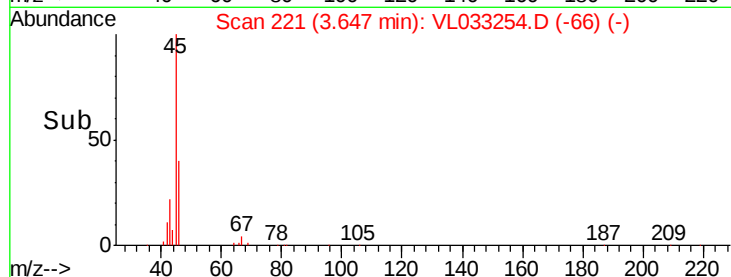
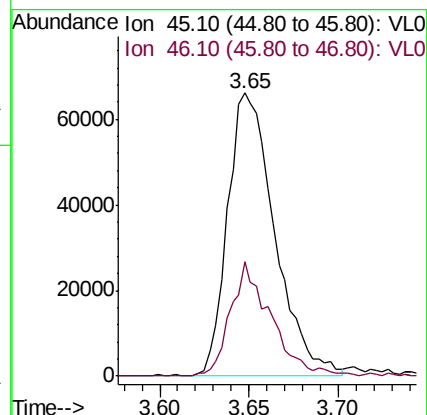
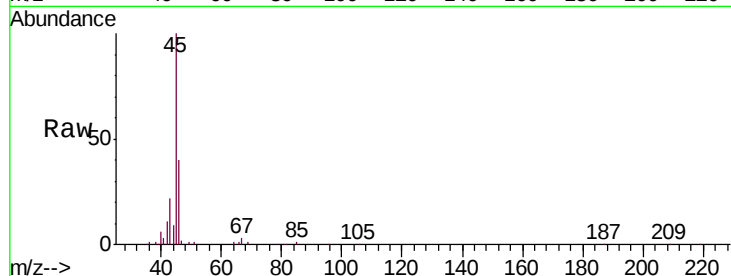
Acq: 6 Mar 2019 14:16

Tgt Ion: 45 Resp: 121591

Ion Ratio Lower Upper

45 100

46 34.7 15.3 61.3



#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

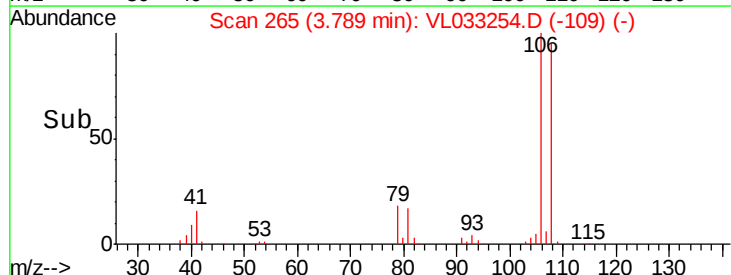
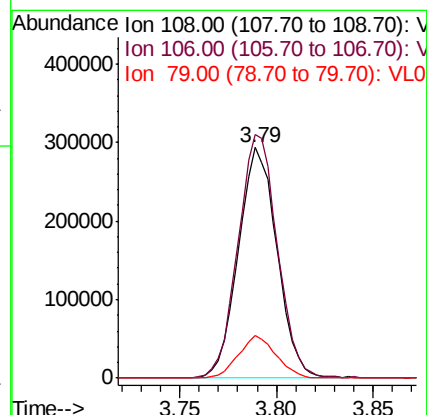
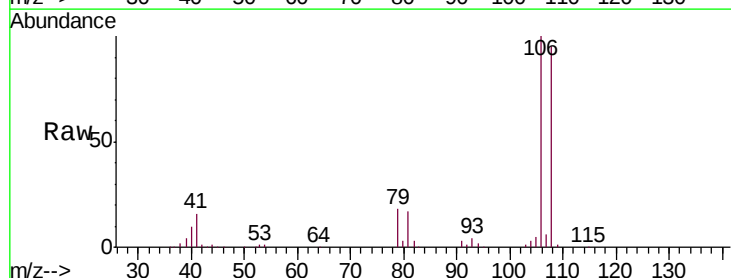
Tgt Ion: 108 Resp: 409471

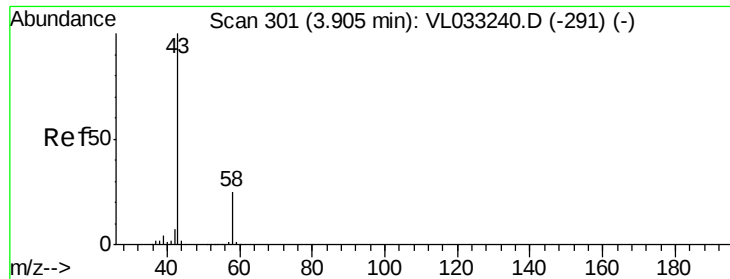
Ion Ratio Lower Upper

108 100

106 107.4 85.5 128.3

79 18.0 15.3 22.9





#15

Acetone

Concen: 8.446 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033254.D

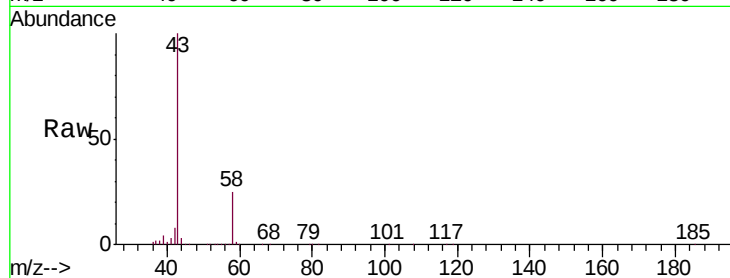
Acq: 6 Mar 2019 14:16

Tgt 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

3.90

600000

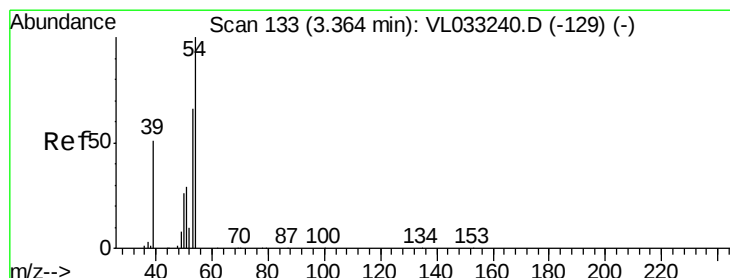
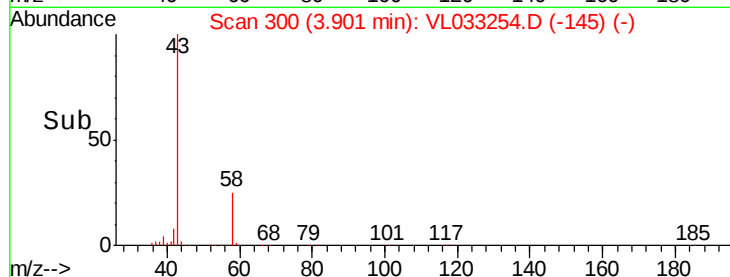
400000

200000

0

Time-->

3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 10.402 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033254.D

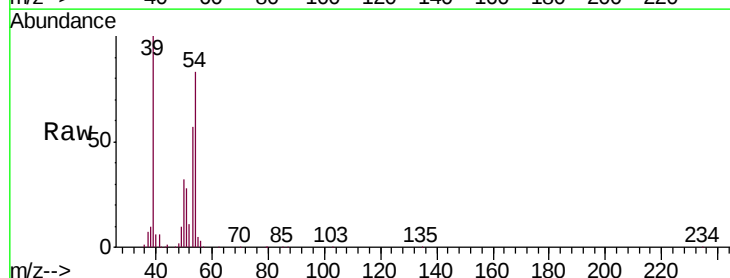
Acq: 6 Mar 2019 14:16

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

3.36

400000

300000

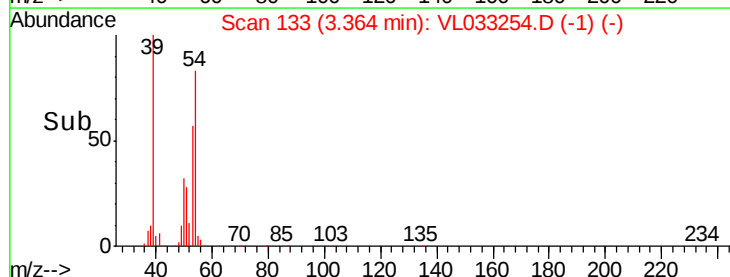
200000

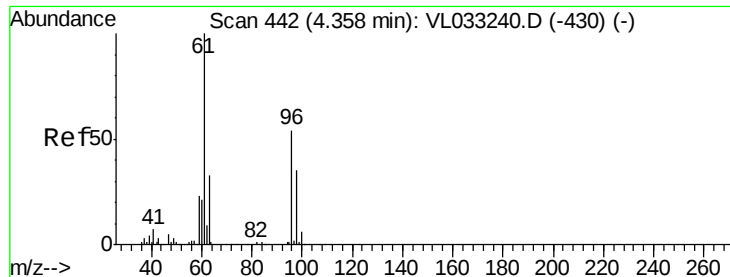
100000

0

Time-->

3.35 3.40





#17

tert-Butyl alcohol

Concen: 10.329 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033254.D

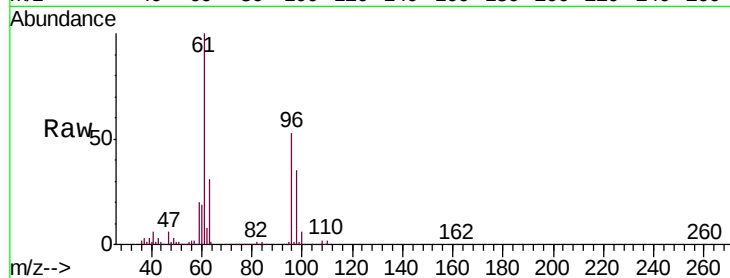
Acq: 6 Mar 2019 14:16

Tgt 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

120000

100000

80000

60000

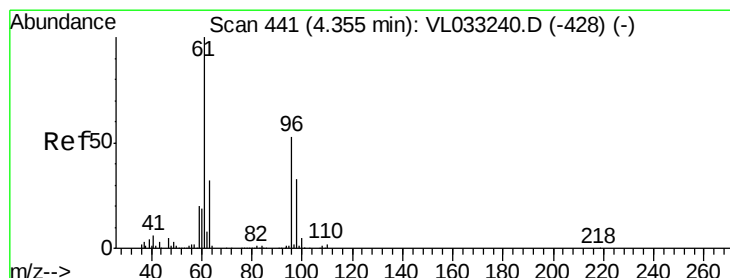
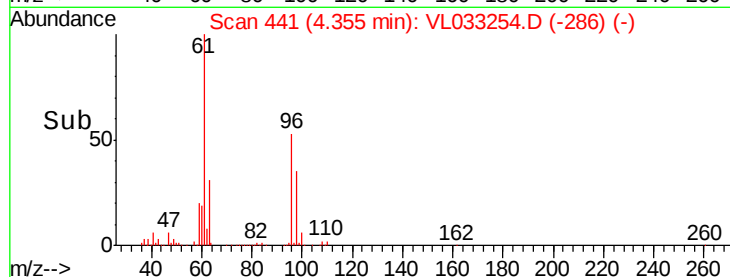
40000

20000

0

4.30 4.35 4.40

Time-->



#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

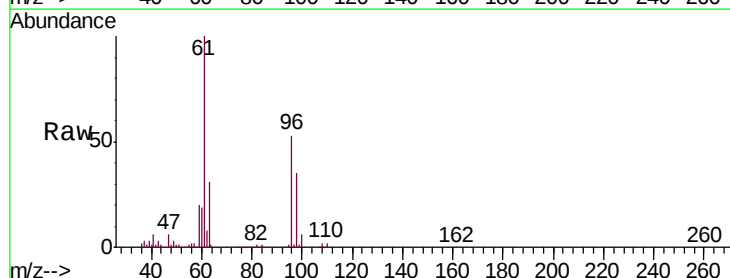
Tgt Ion: 96 Resp: 409426

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

600000

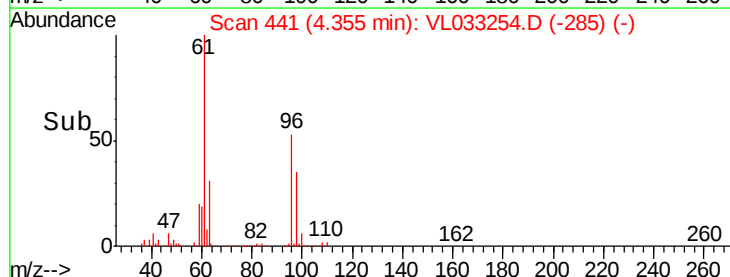
400000

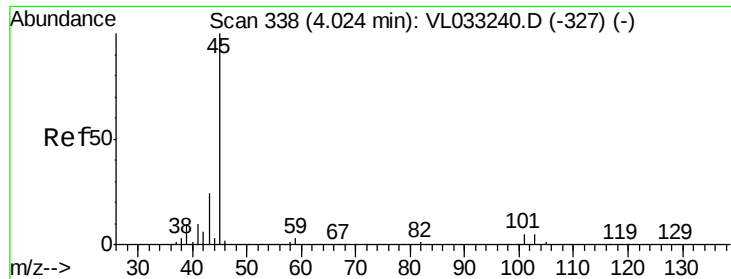
200000

0

4.30 4.35 4.40

Time-->





#19

Isopropyl Alcohol

Concen: 10.744 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033254.D

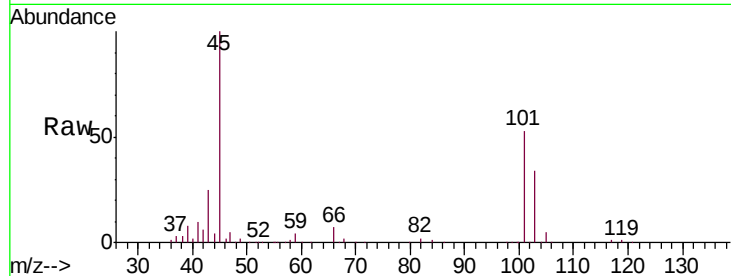
Acq: 6 Mar 2019 14:16

Tgt Ion: 45 Resp: 720860

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

400000

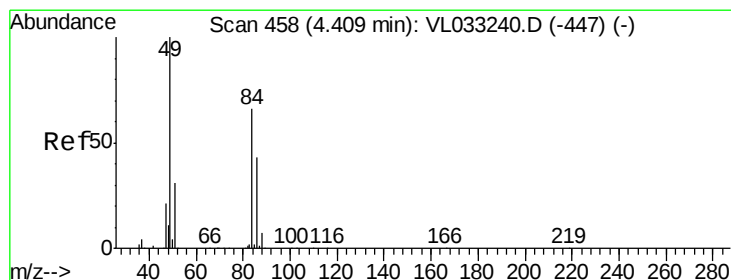
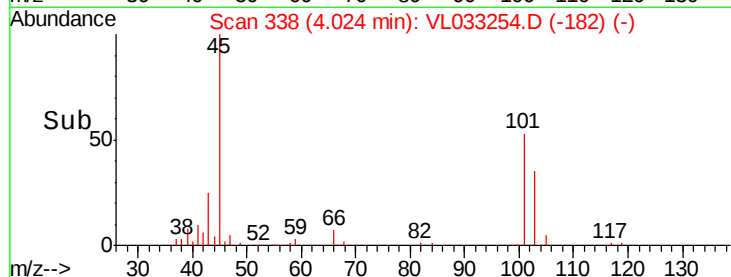
300000

200000

100000

0

Time-->



#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

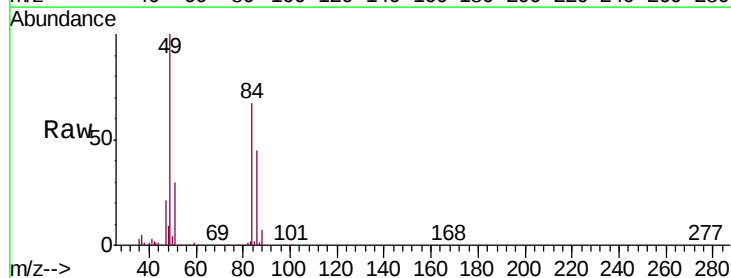
Ion Ratio Lower Upper

84 100

49 148.3 120.4 180.6

51 44.4 36.7 55.1

86 67.1 51.8 77.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

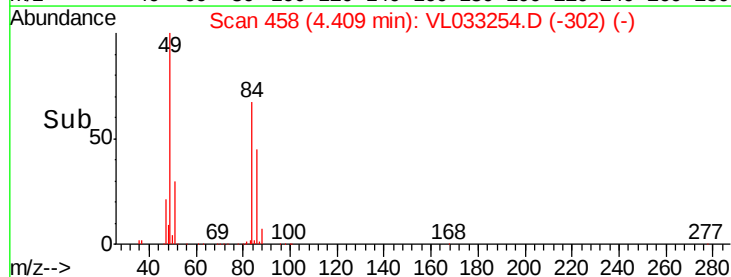
300000

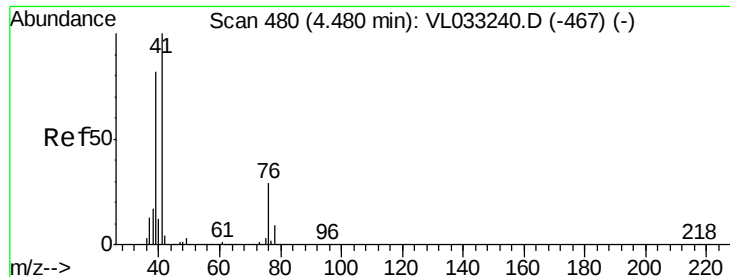
200000

100000

0

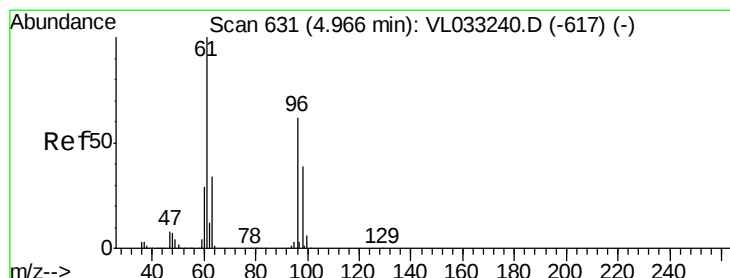
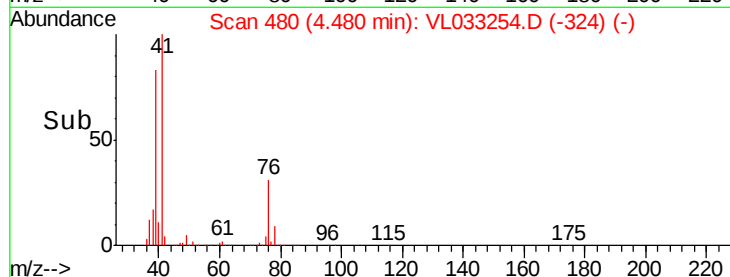
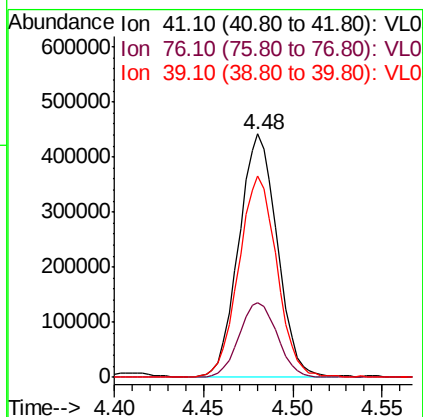
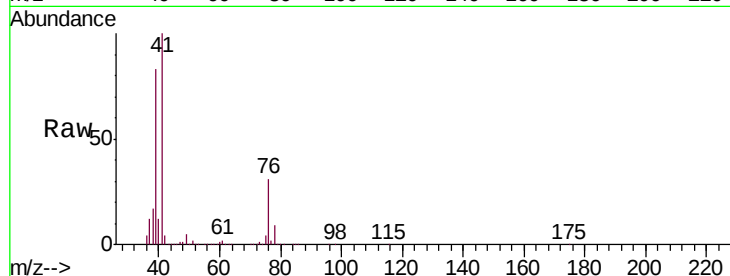
Time-->





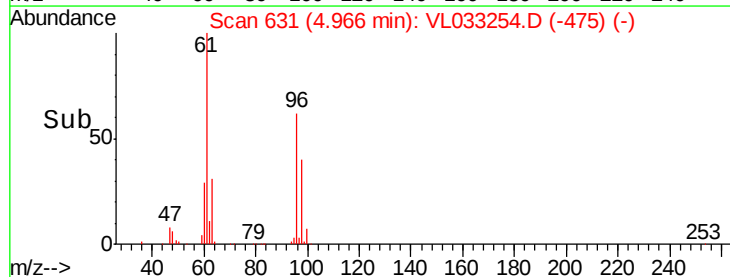
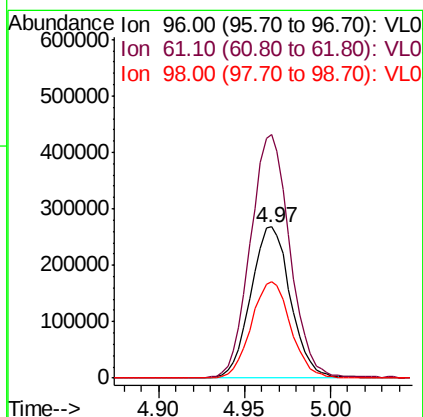
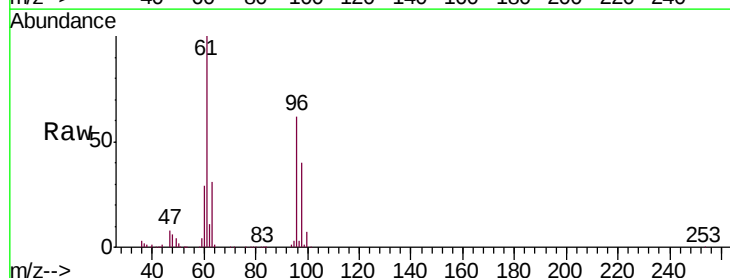
#21
 Allyl Chloride
 Concen: 10.484 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

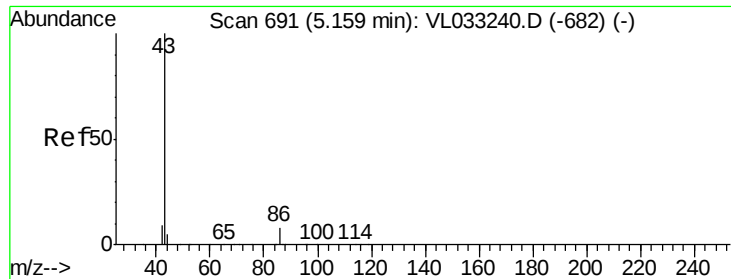
Tgt Ion:	41	Resp:	660326
Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.6	36.8
39	82.7	65.2	97.8



#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





#23

Vinyl Acetate

Concen: 10.070 ppbv

RT: 5.16 min Scan# 690

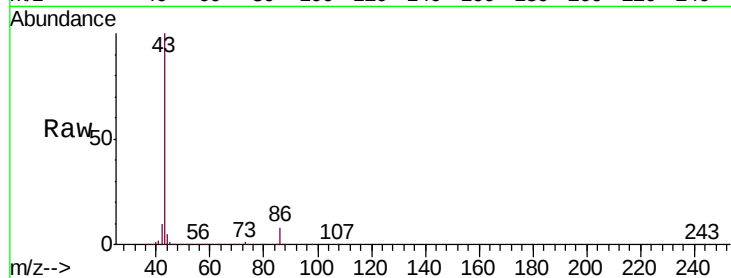
Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt 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

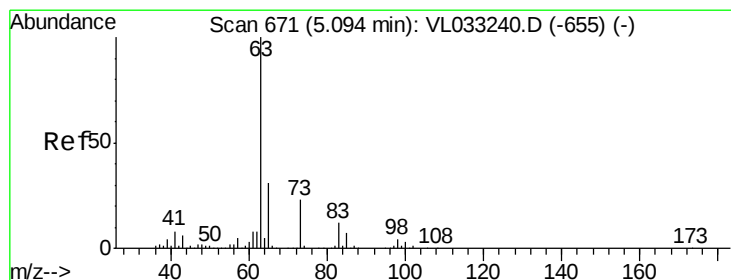
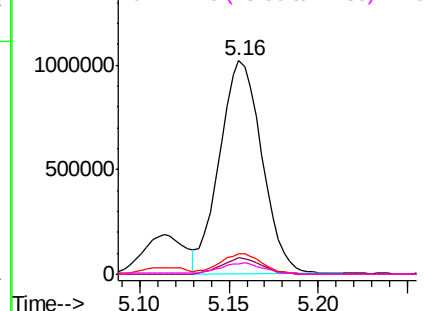
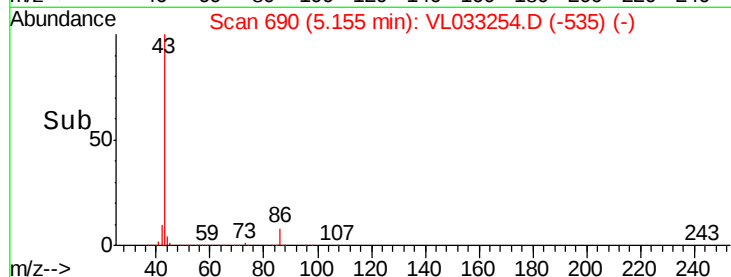


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

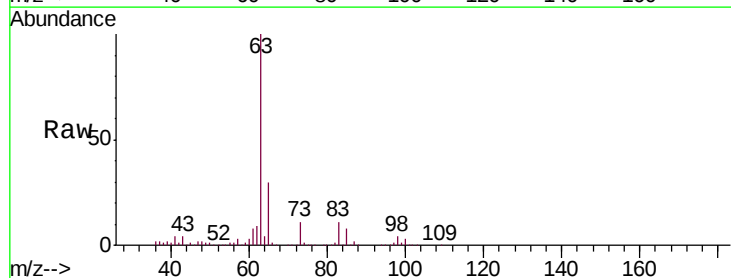
Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt Ion: 63 Resp: 1141589

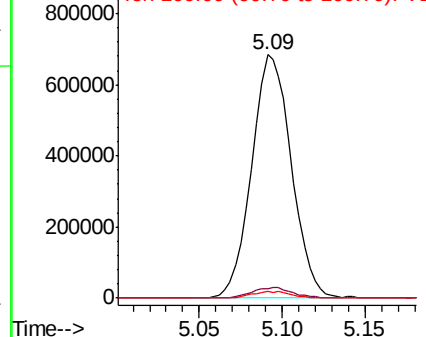
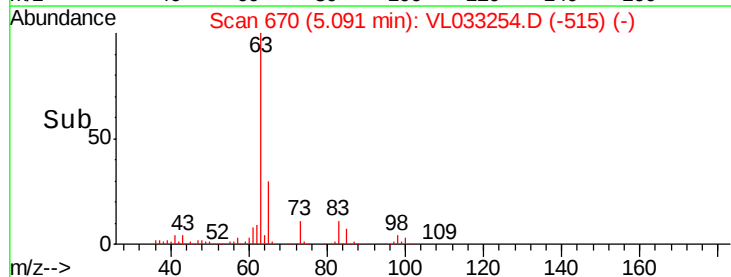
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.3
100	2.8	1.3	3.8

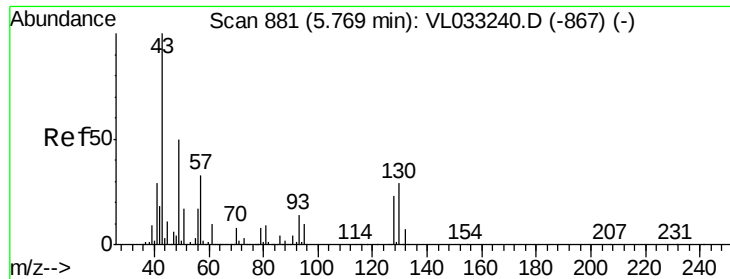


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

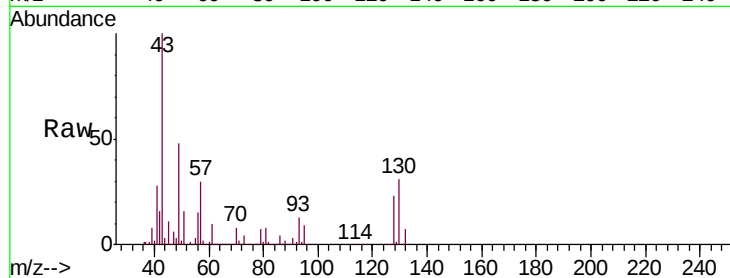
Ion 100.00 (99.70 to 100.70): VL0



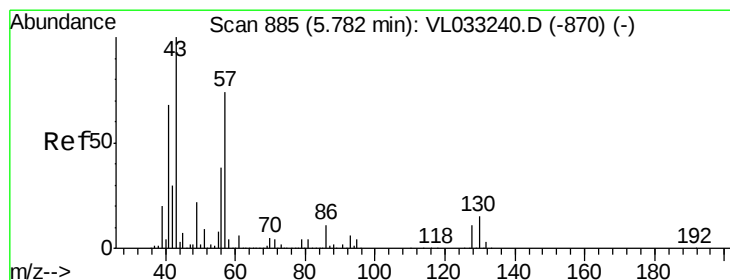
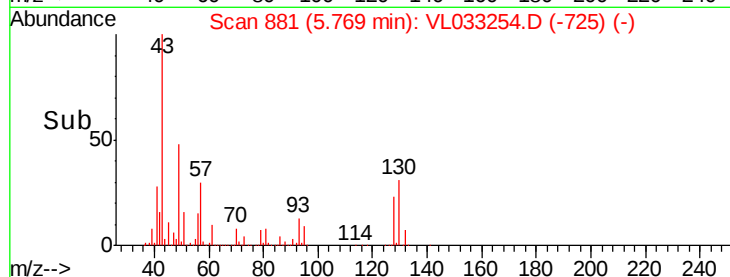
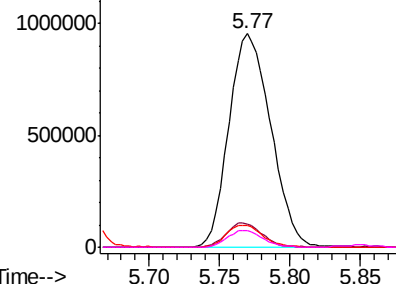


#25
Ethyl Acetate
Concen: 9.573 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

Tgt 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

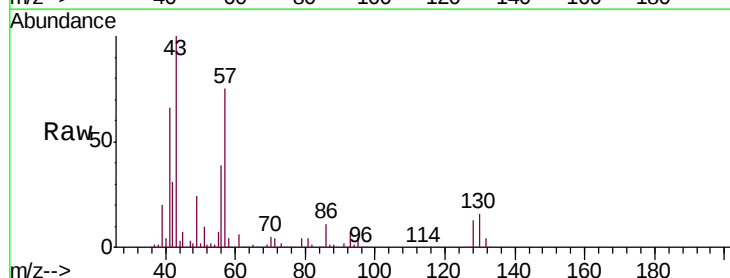


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

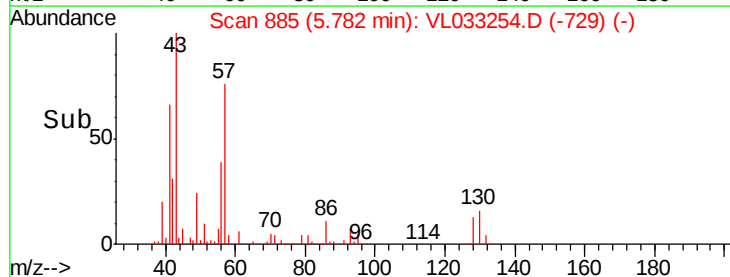
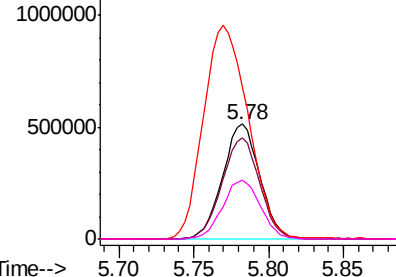


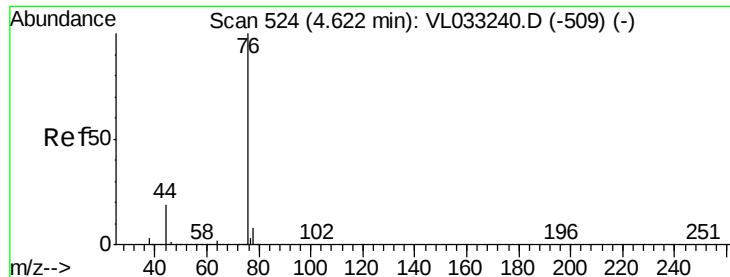
#26
Hexane
Concen: 9.143 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

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

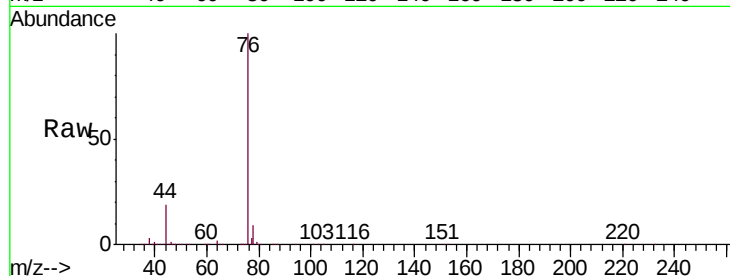
Delta R.T. 0.00 min

Lab File: VL033254.D

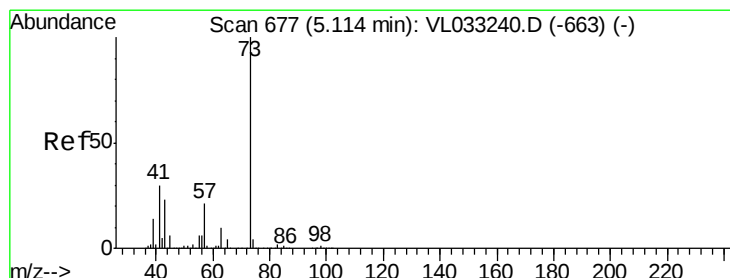
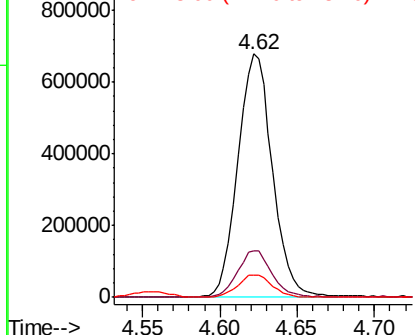
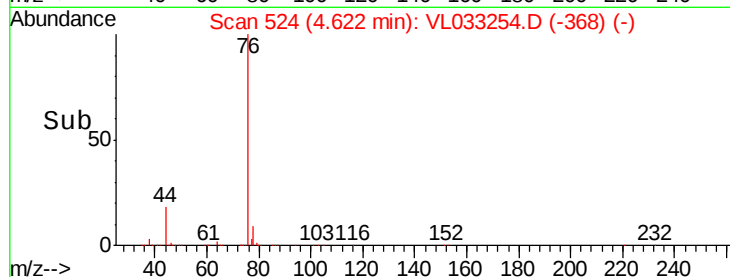
Acq: 6 Mar 2019 14:16

Tgt 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

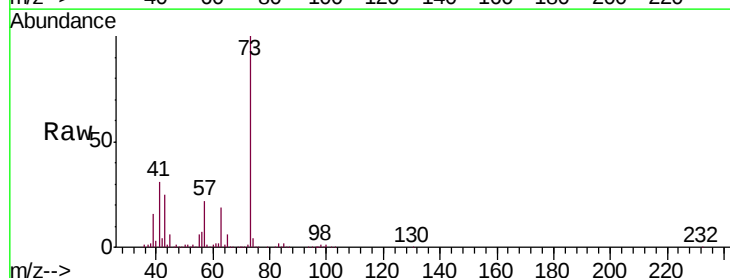
Delta R.T. 0.00 min

Lab File: VL033254.D

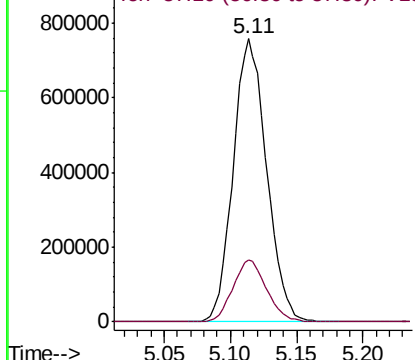
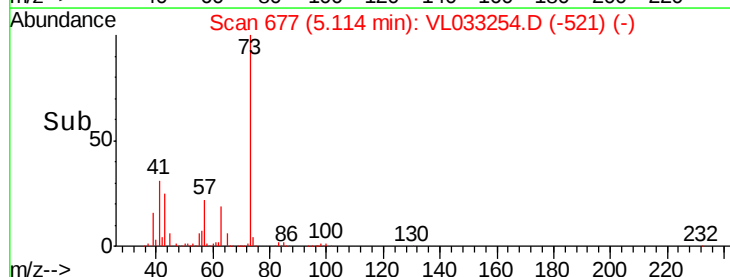
Acq: 6 Mar 2019 14:16

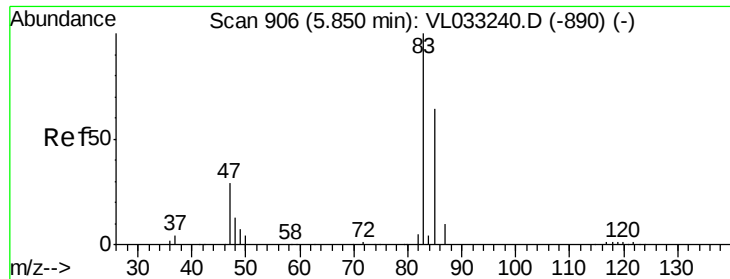
Tgt Ion: 73 Resp: 1329333

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4



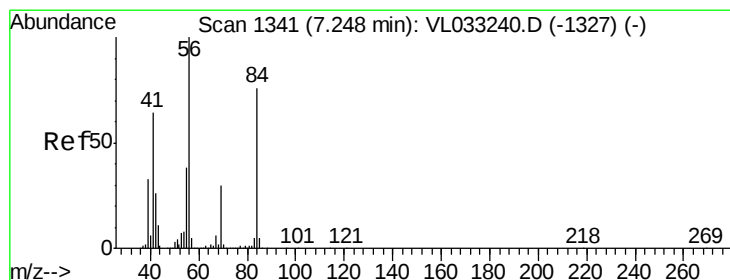
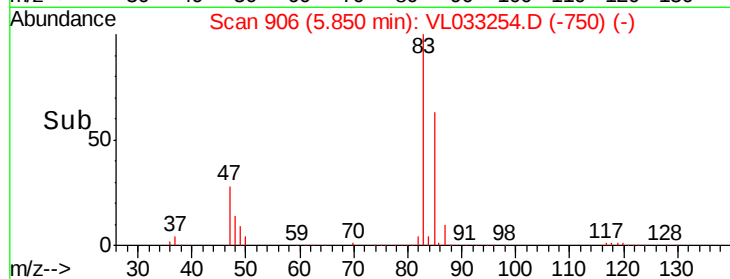
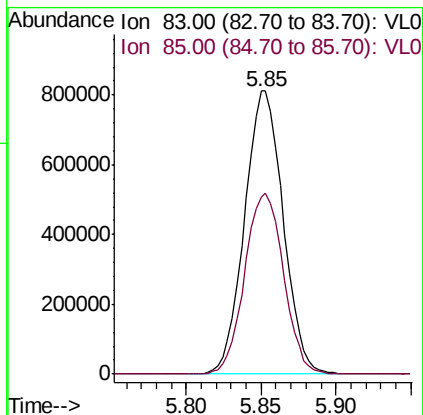
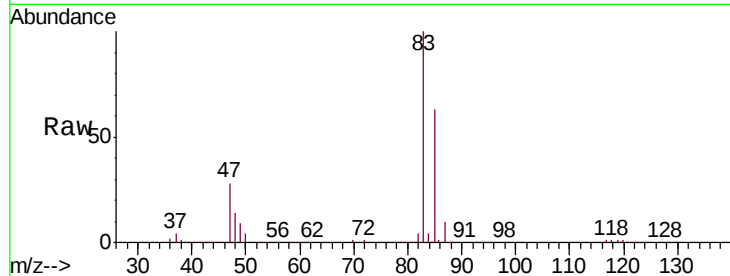
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





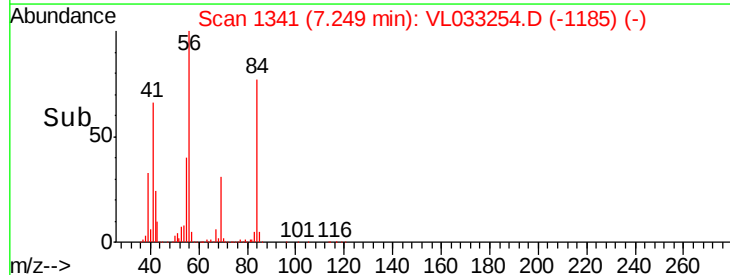
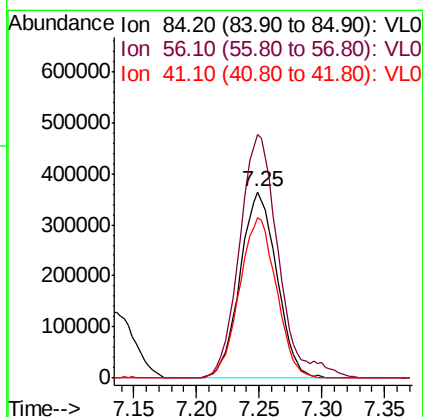
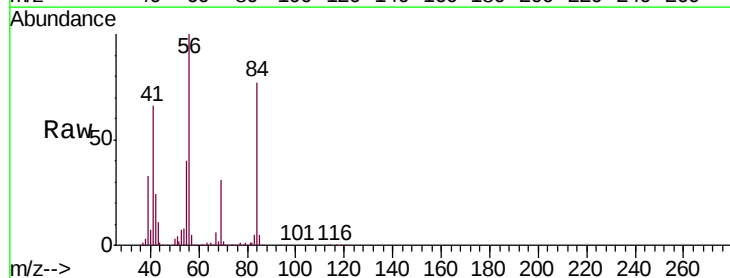
#29
Chloroform
Concen: 9.694 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

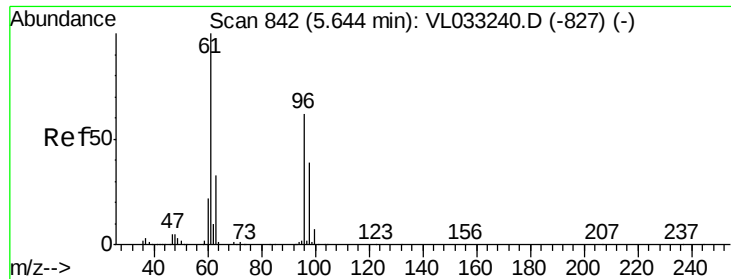
Tgt Ion: 83 Resp: 1458369
Ion Ratio Lower Upper
83 100
85 62.5 51.2 76.8



#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

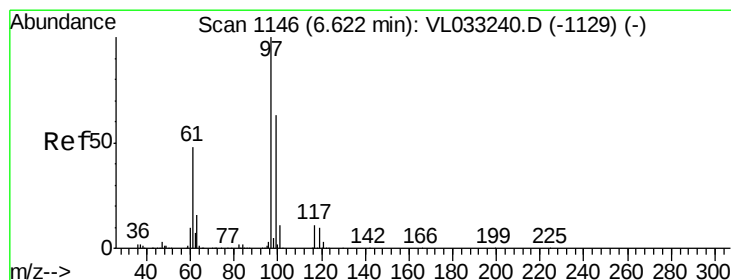
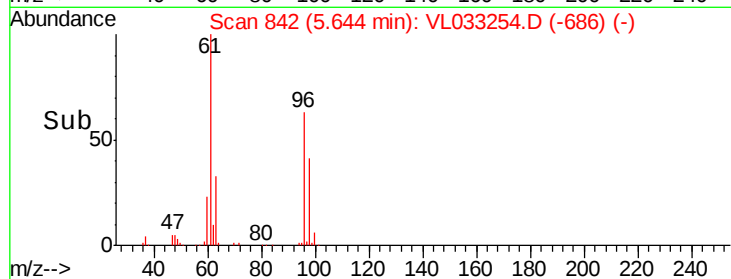
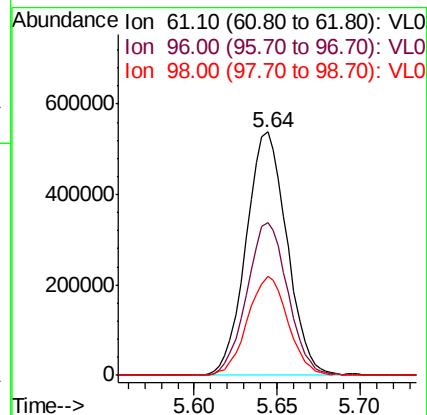
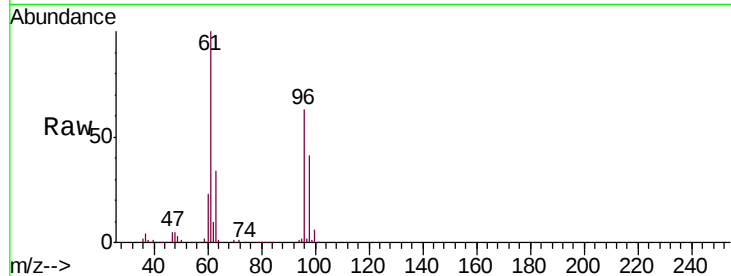




#31

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

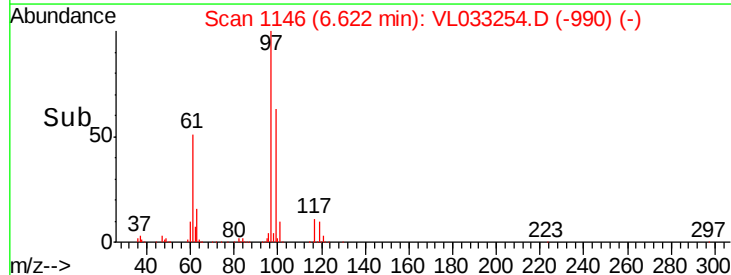
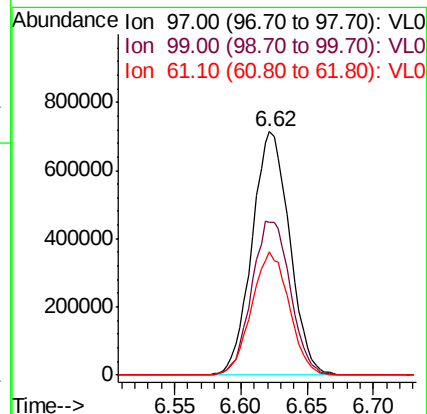
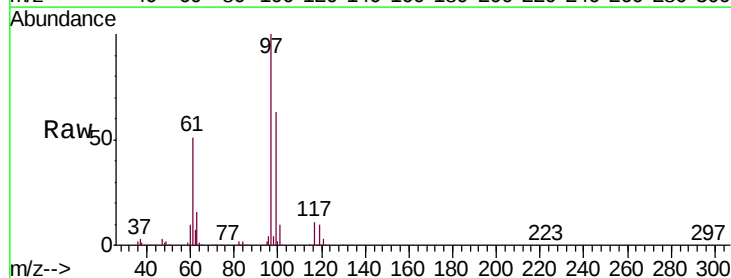
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.7	49.4	74.0
98	40.7	31.2	46.8

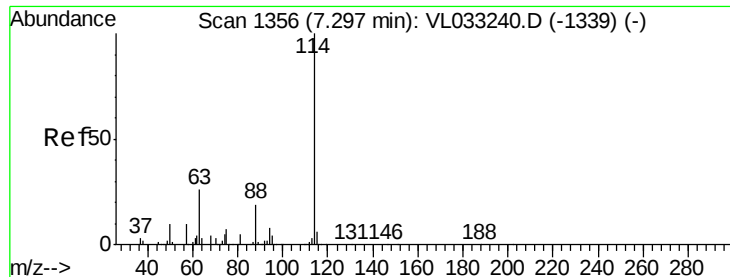


#32

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

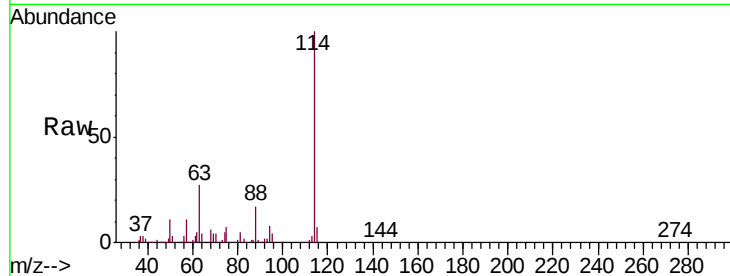
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	50.8	40.1	60.1



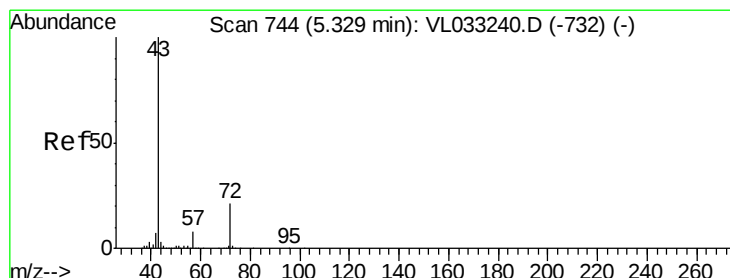
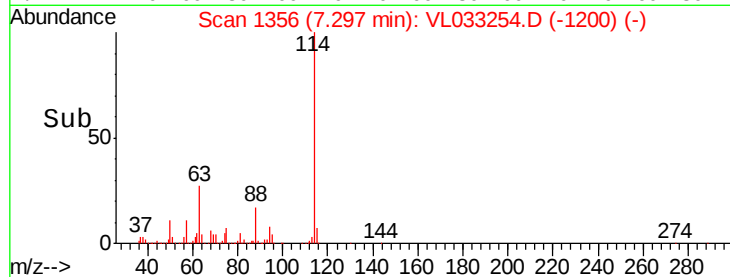
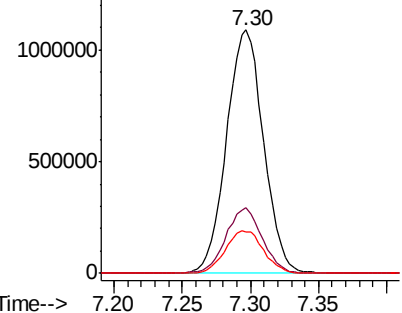


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion: 114 Resp: 2046940
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.0 33.0
 88 18.1 15.0 22.4

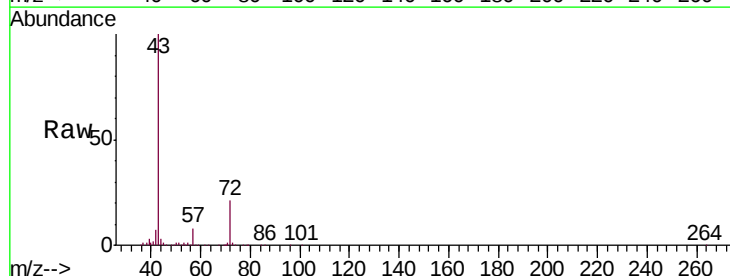


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

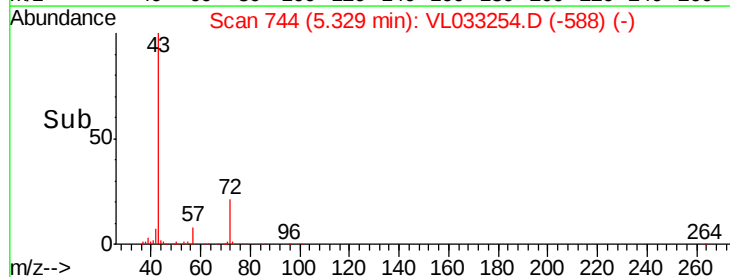
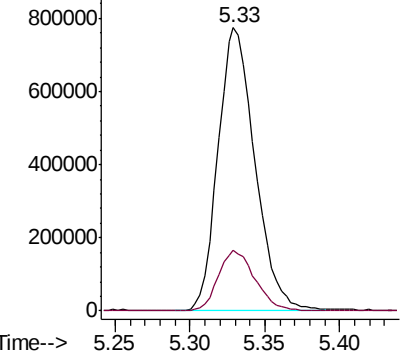


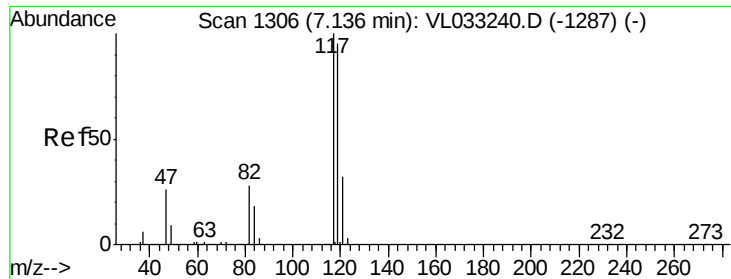
#34
 2-Butanone
 Concen: 9.365 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

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

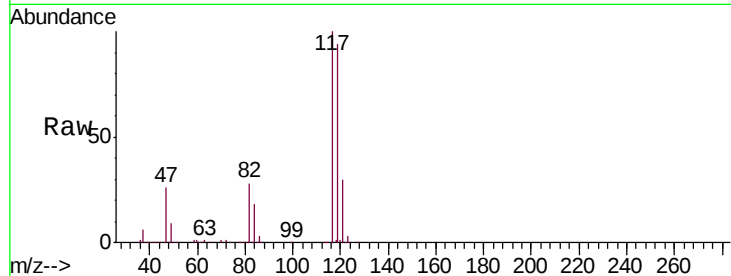
Tgt Ion: 117 Resp: 1457976

Ion Ratio Lower Upper

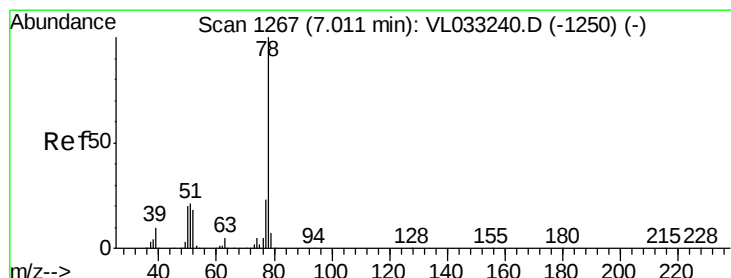
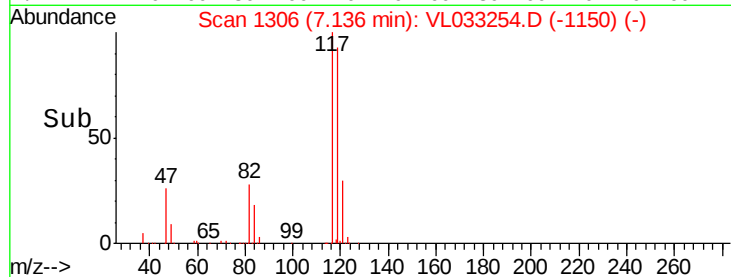
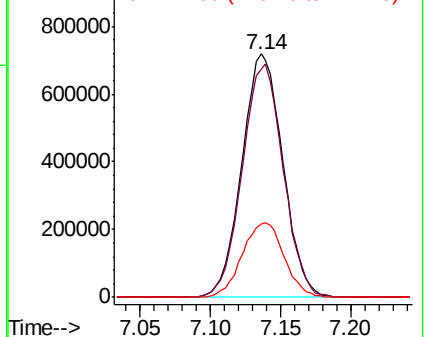
117 100

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

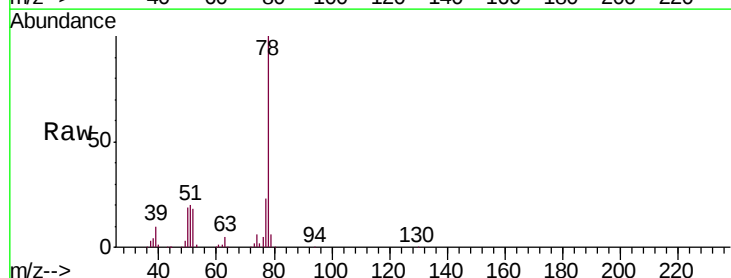
Tgt Ion: 78 Resp: 1870920

Ion Ratio Lower Upper

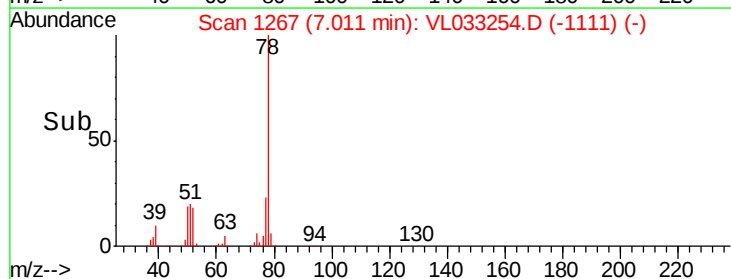
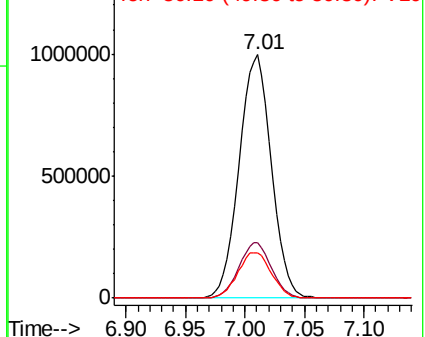
78 100

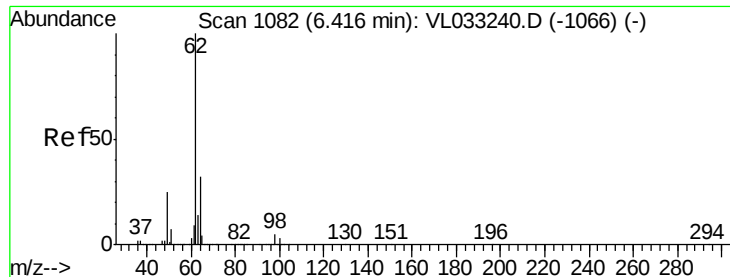
77 22.7 18.0 27.0

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

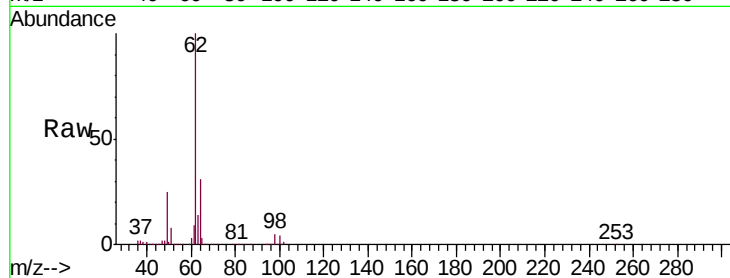
Acq: 6 Mar 2019 14:16

Tgt 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

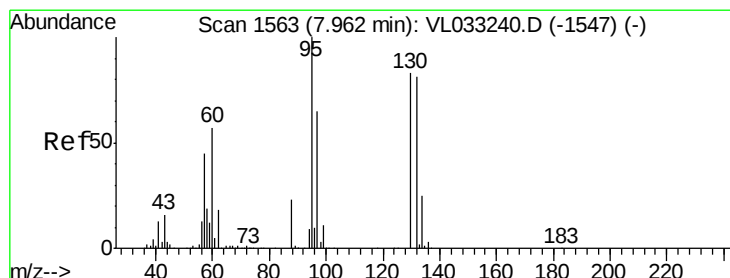
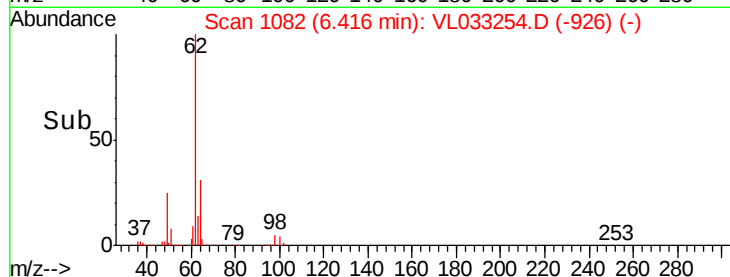
600000

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

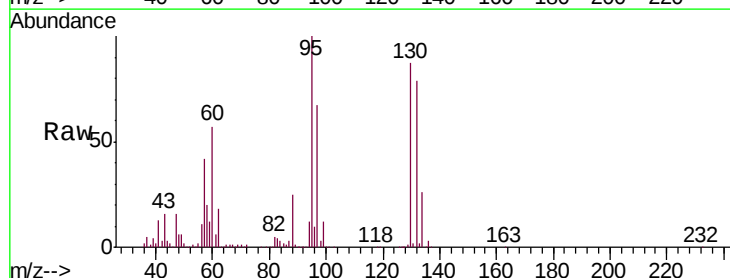
Ion Ratio Lower Upper

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

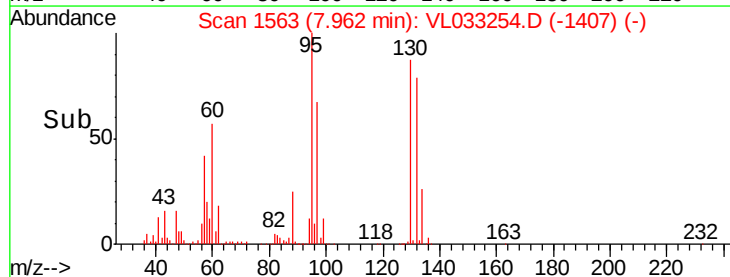
300000

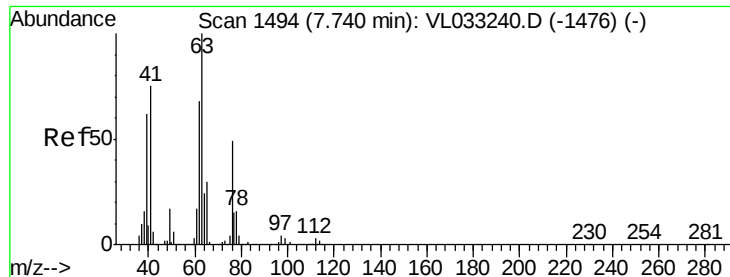
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.484 ppbv

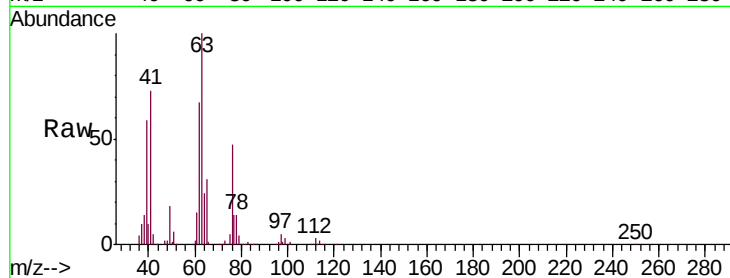
RT: 7.74 min Scan# 1494

Delta R.T. 0.00 min

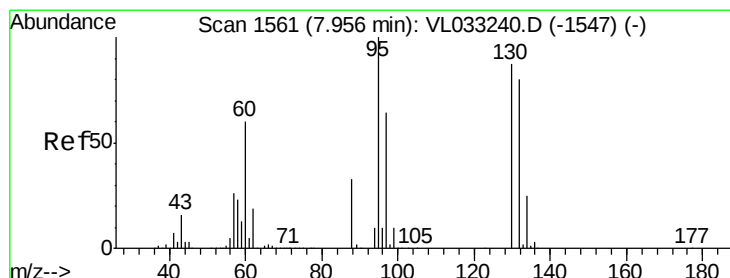
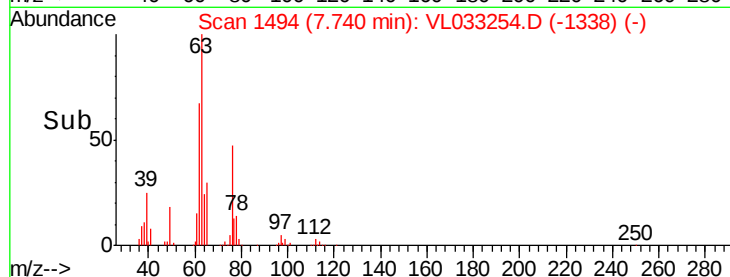
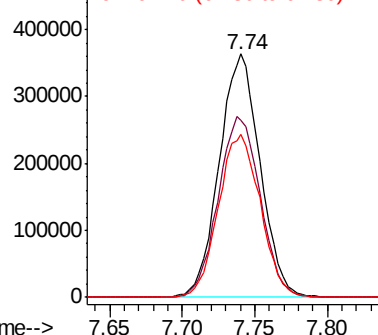
Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

Tgt 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

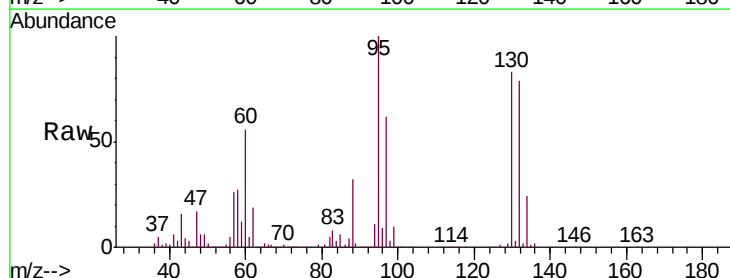
RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

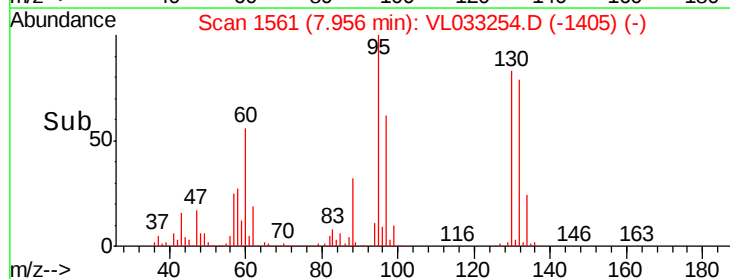
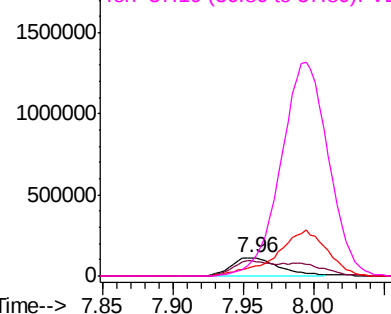
Lab File: VL033254.D

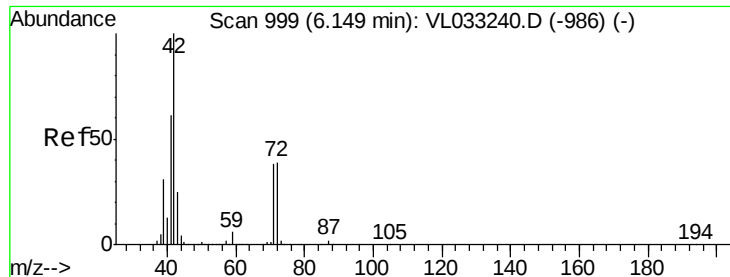
Acq: 6 Mar 2019 14:16

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

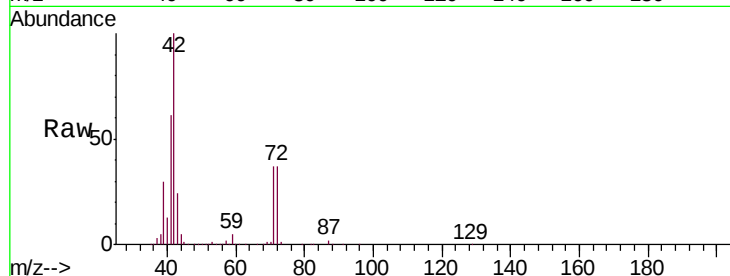
Tgt Ion: 42 Resp: 763024

Ion Ratio Lower Upper

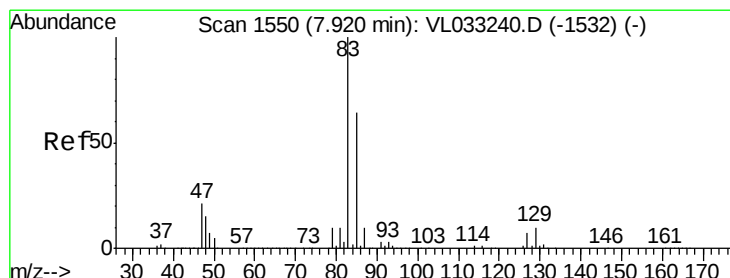
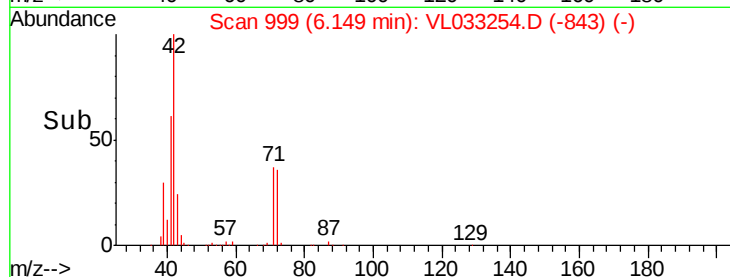
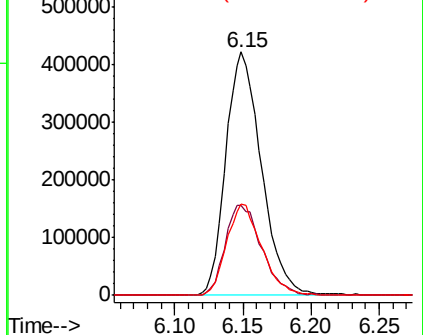
42 100

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

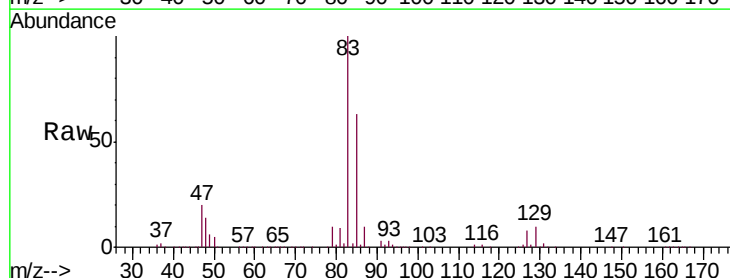
Tgt Ion: 83 Resp: 1590880

Ion Ratio Lower Upper

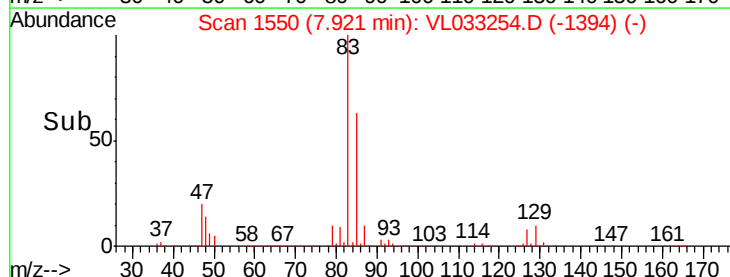
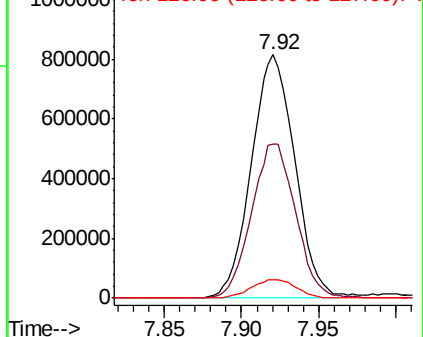
83 100

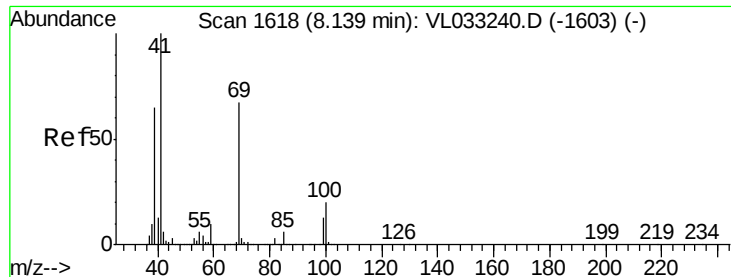
85 63.4 51.5 77.3

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

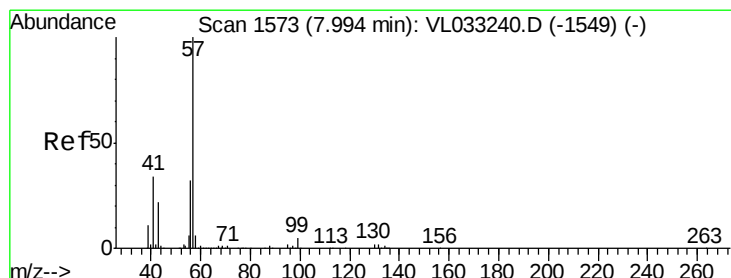
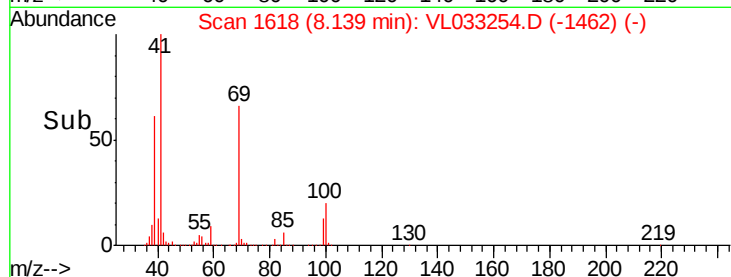
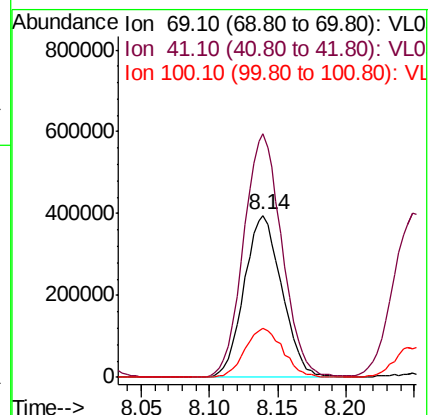
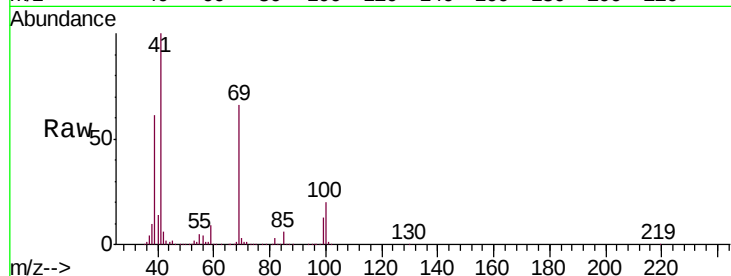
Tgt Ion: 69 Resp: 760836

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

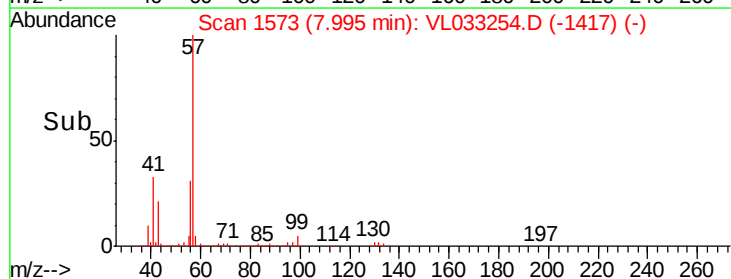
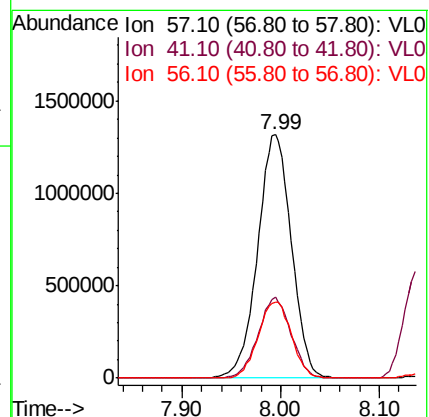
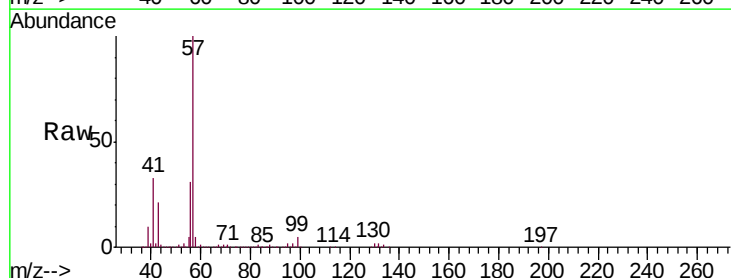
Tgt Ion: 57 Resp: 3101857

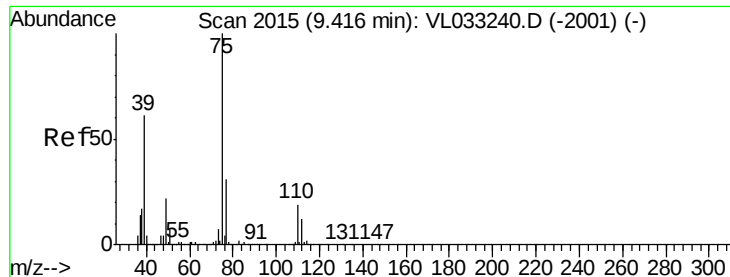
Ion Ratio Lower Upper

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

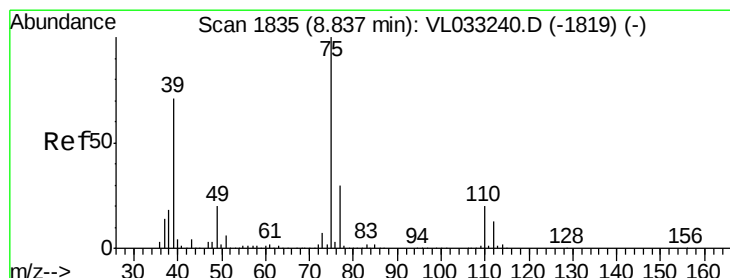
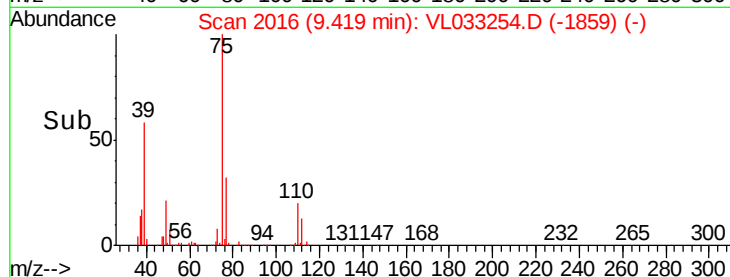
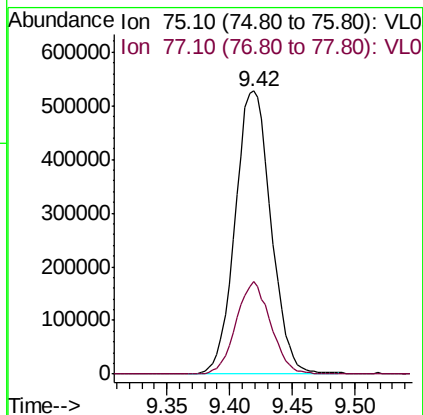
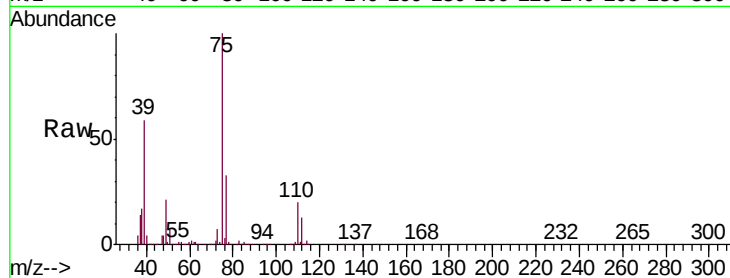
Acq: 6 Mar 2019 14:16

Tgt 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

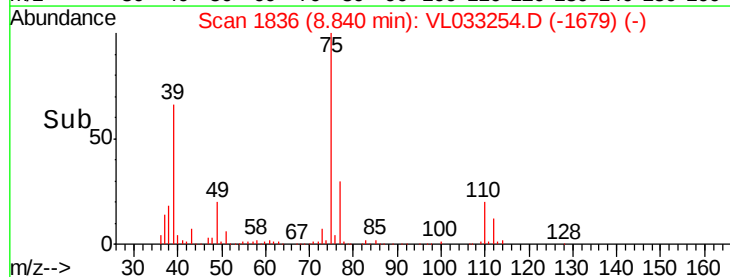
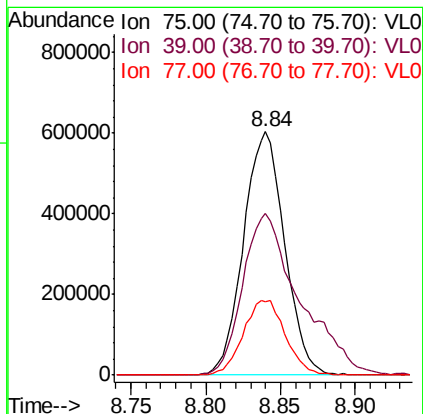
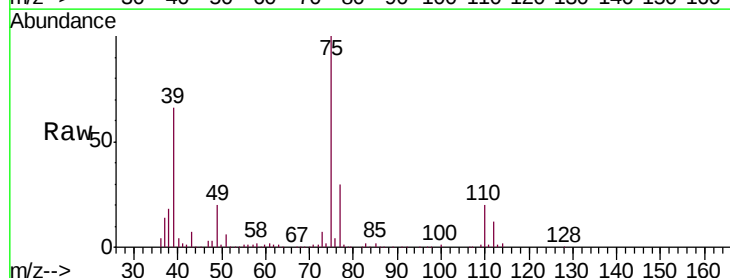
Tgt Ion: 75 Resp: 1154989

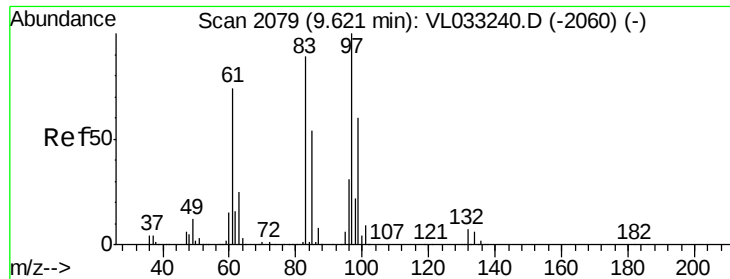
Ion Ratio Lower Upper

75 100

39 66.3 57.0 85.6

77 30.2 24.0 36.0

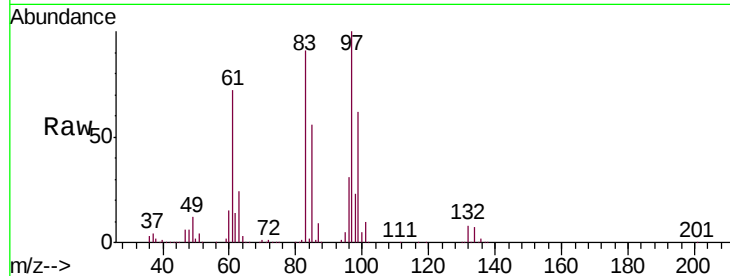




#47
 1,1,2-Trichloroethane
 Concen: 9.562 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt 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

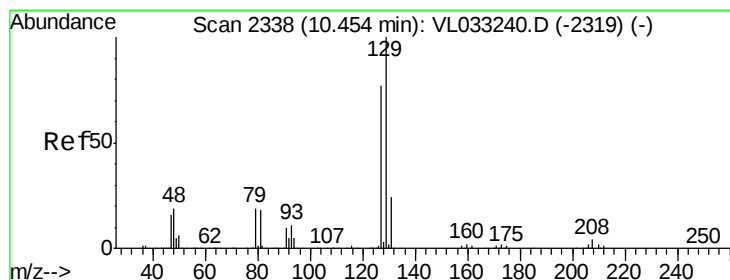
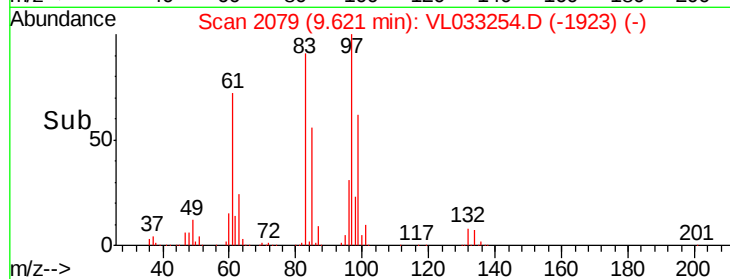
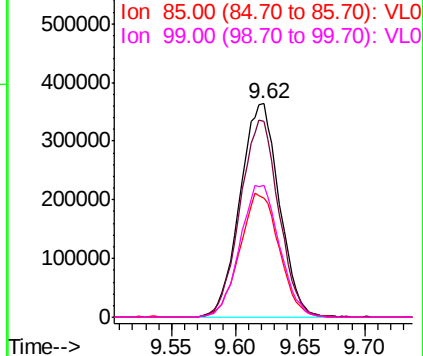


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

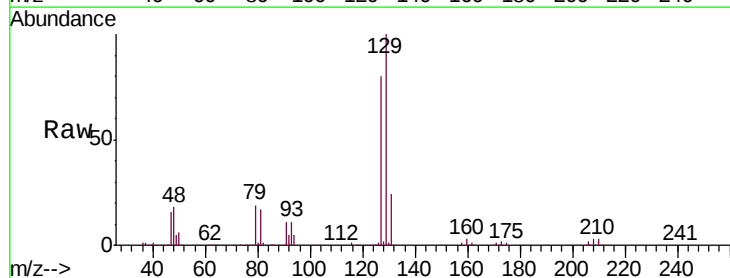
Ion 99.00 (98.70 to 99.70): VL0



#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

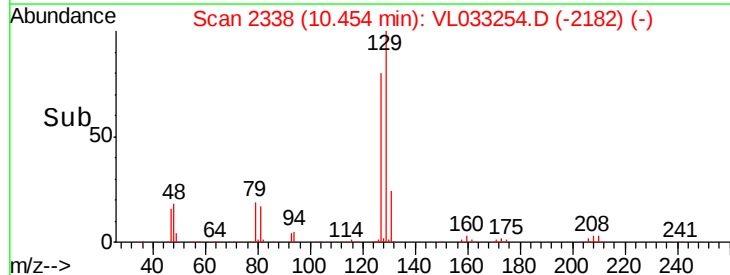
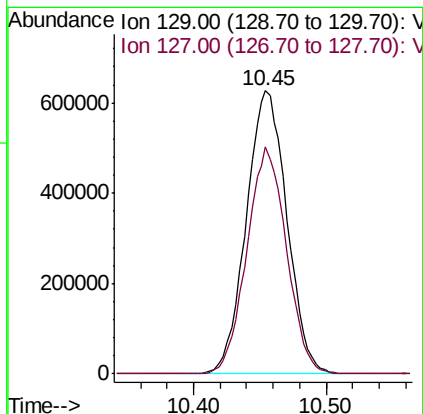
Tgt Ion: 129 Resp: 1331893

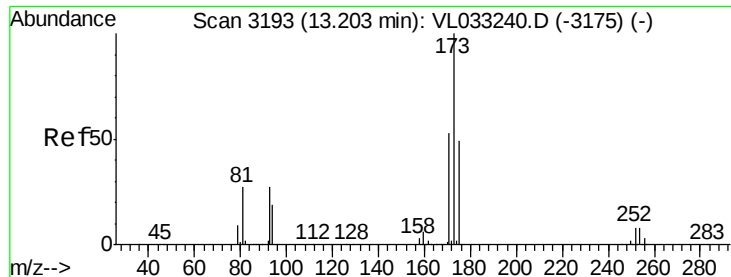
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	117.0



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

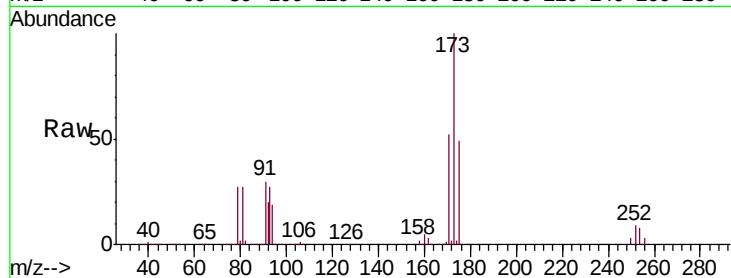
Tgt Ion: 173 Resp: 1158196

Ion Ratio Lower Upper

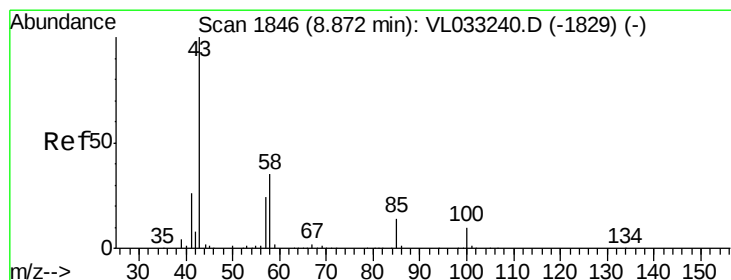
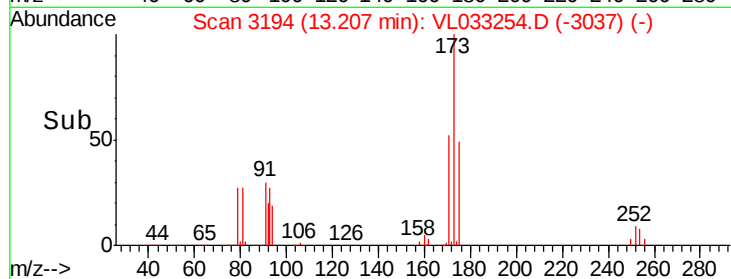
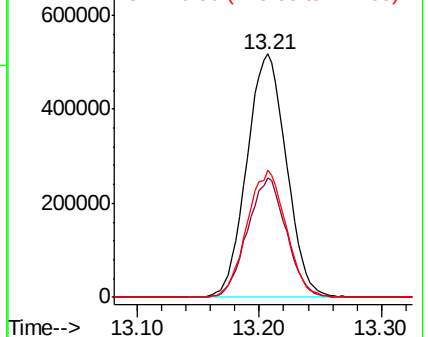
173 100

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

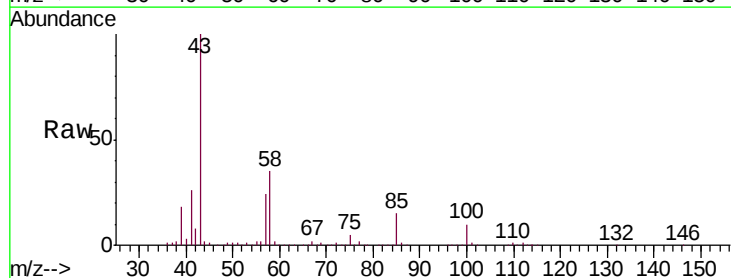
Acq: 6 Mar 2019 14:16

Tgt Ion: 43 Resp: 1916211

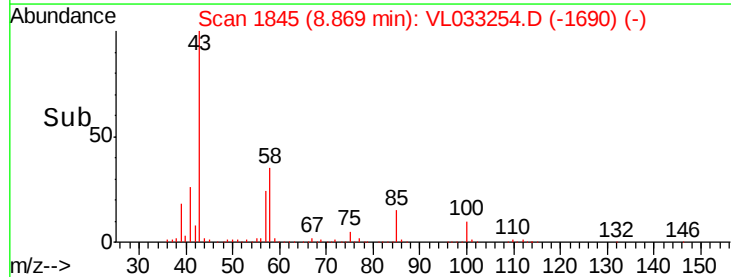
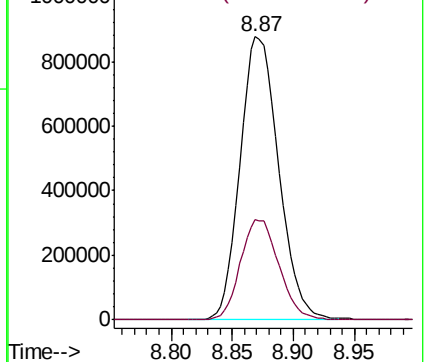
Ion Ratio Lower Upper

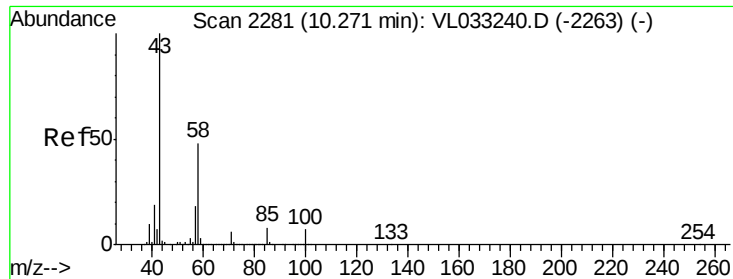
43 100

58 35.4 27.8 41.6



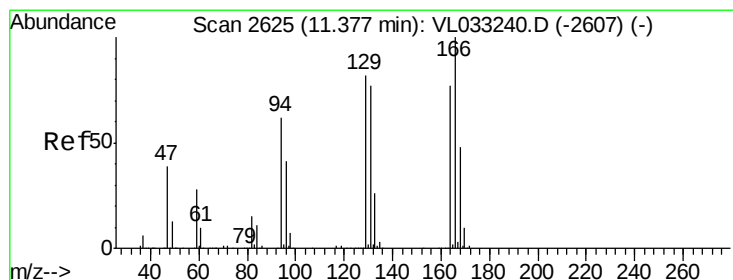
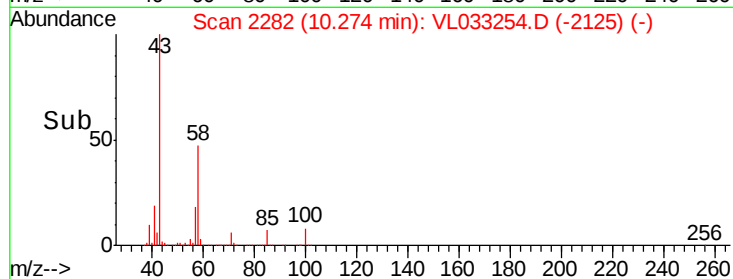
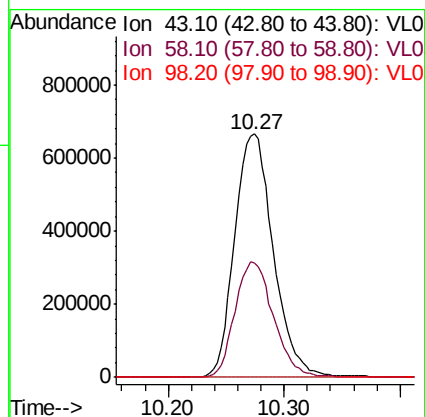
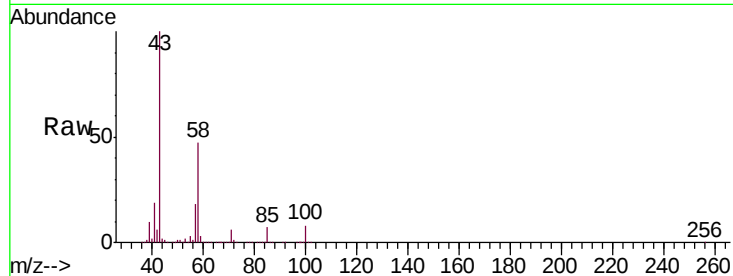
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





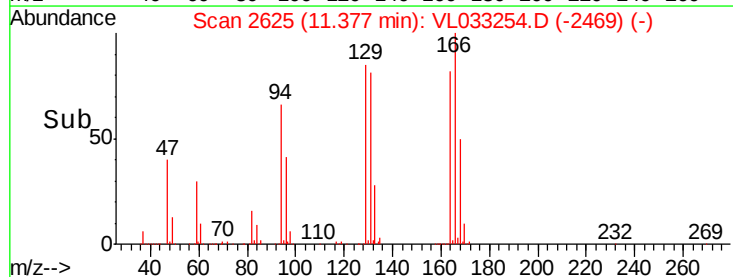
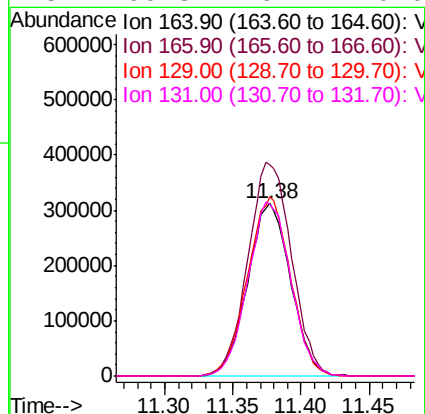
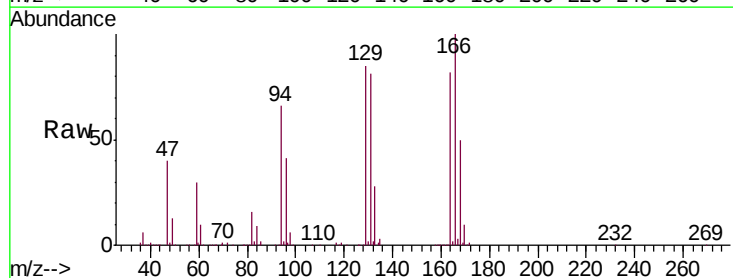
#51
2-Hexanone
Concen: 9.834 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

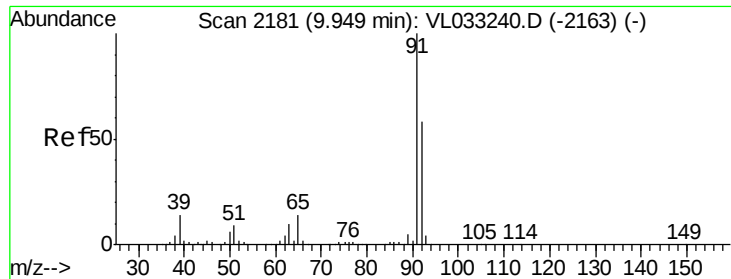
Tgt Ion: 43 Resp: 1543001
Ion Ratio Lower Upper
43 100
58 47.5 38.2 57.2
98 0.2 0.2 0.4#



#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

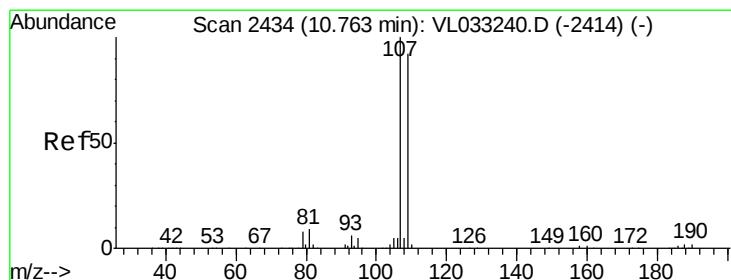
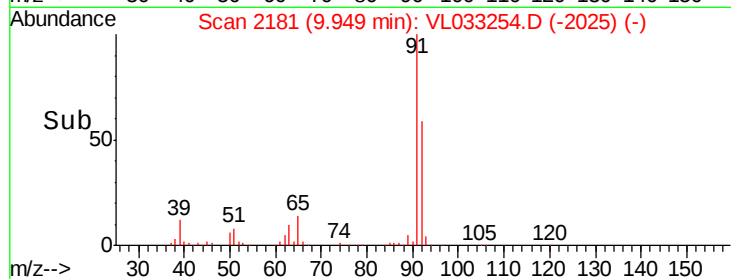
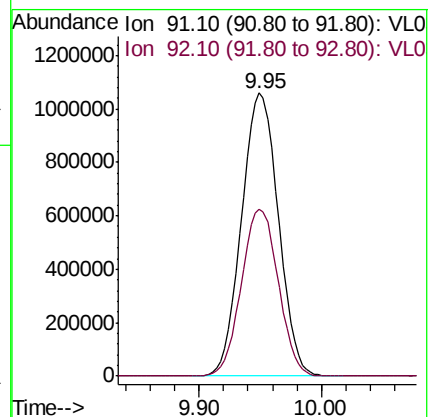
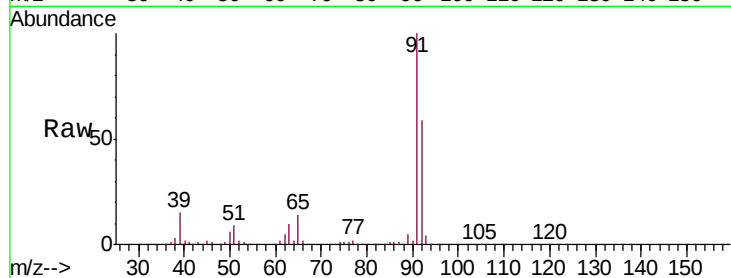
Acq: 6 Mar 2019 14:16

Tgt Ion: 91 Resp: 2206725

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.828 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033254.D

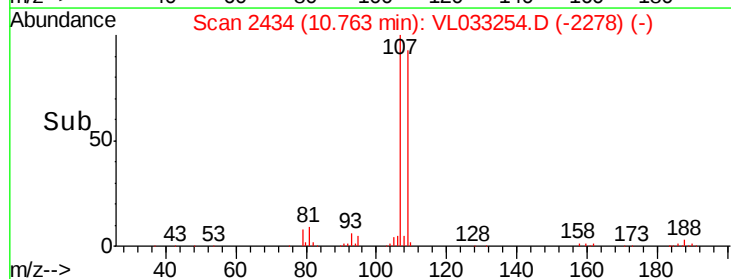
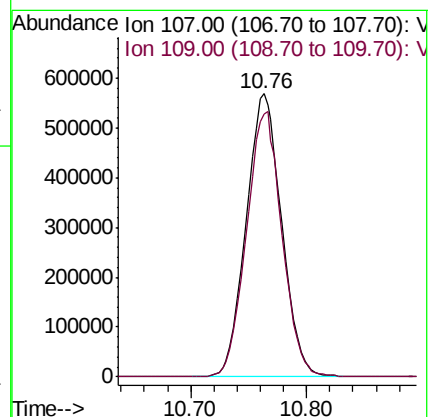
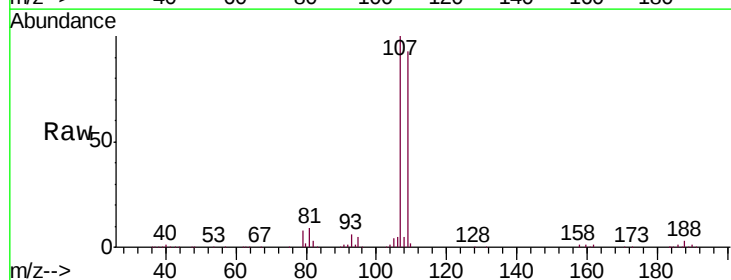
Acq: 6 Mar 2019 14:16

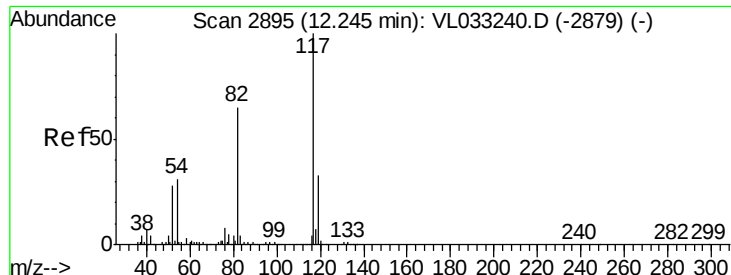
Tgt Ion: 107 Resp: 1205195

Ion Ratio Lower Upper

107 100

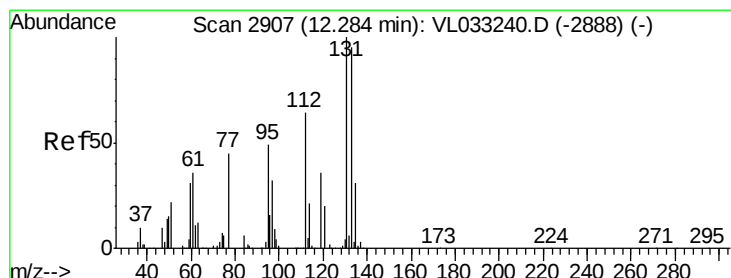
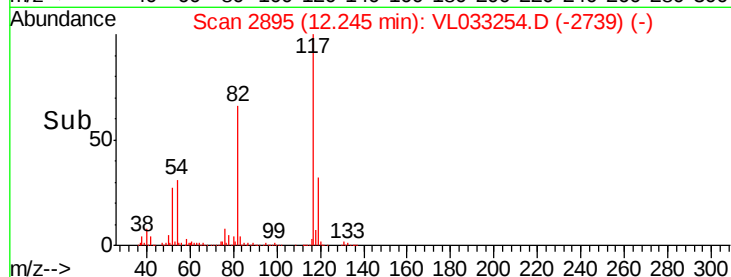
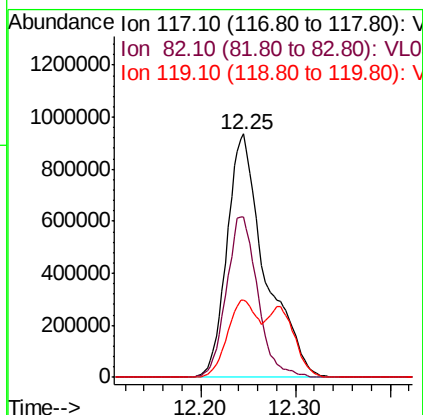
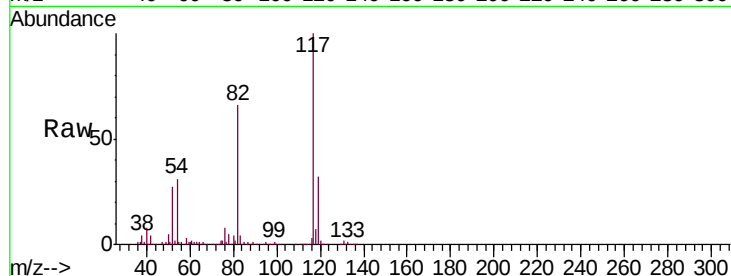
109 92.7 73.6 110.4





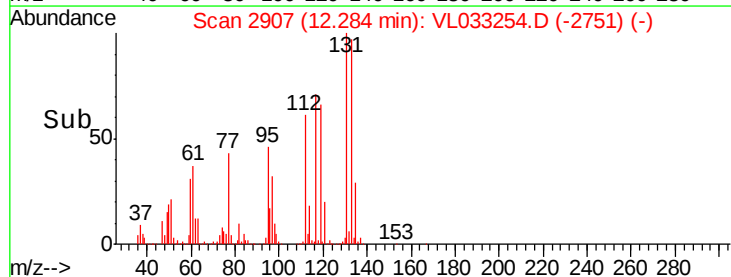
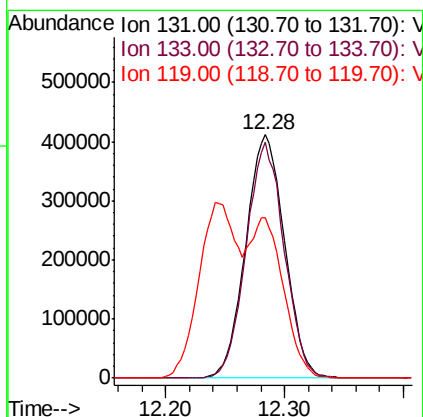
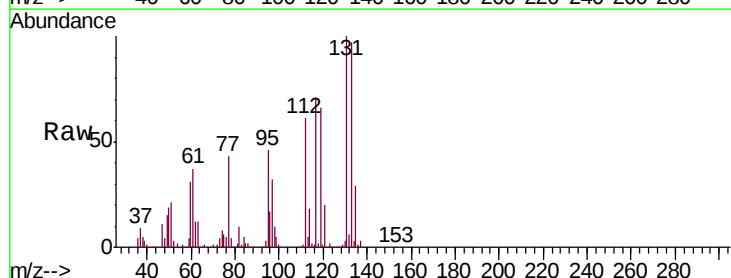
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

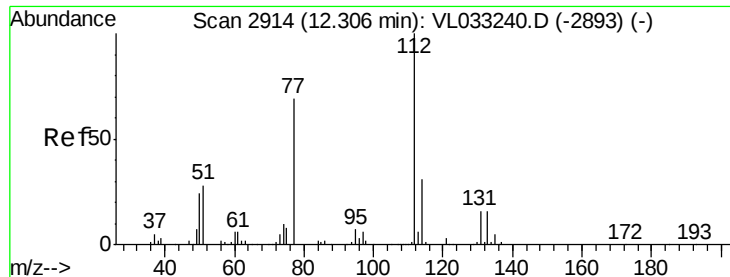
Tgt Ion:117 Resp: 2622890
Ion Ratio Lower Upper
117 100
82 54.4 51.8 77.8
119 26.9 43.6 65.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.164 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: 7.829 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

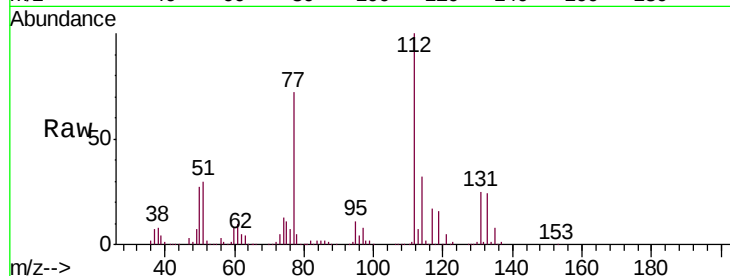
Tgt Ion: 112 Resp: 1598866

Ion Ratio Lower Upper

112 100

77 71.7 56.5 84.7

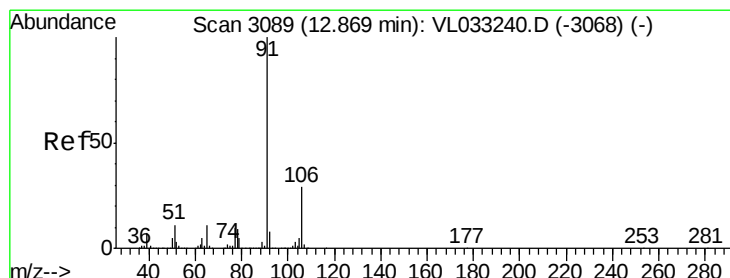
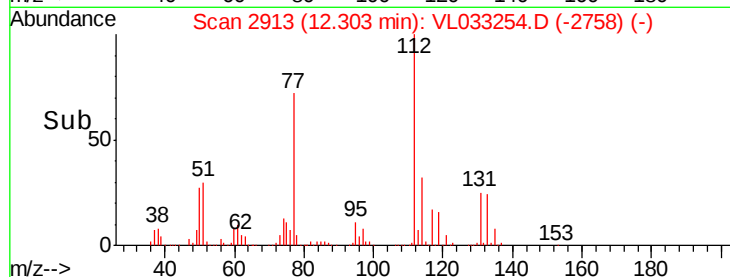
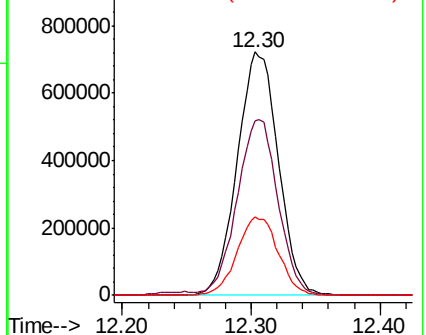
114 32.1 28.4 34.7



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: 8.393 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL033254.D

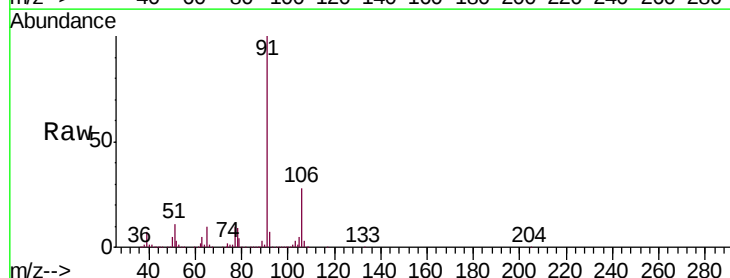
Acq: 6 Mar 2019 14:16

Tgt Ion: 91 Resp: 3045138

Ion Ratio Lower Upper

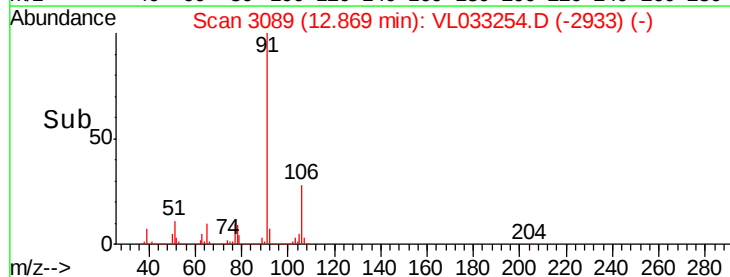
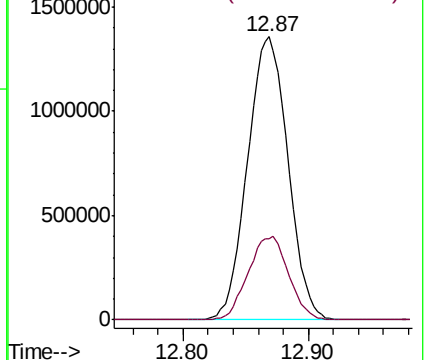
91 100

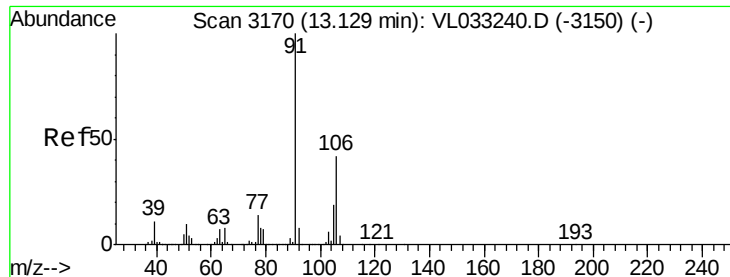
106 28.4 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

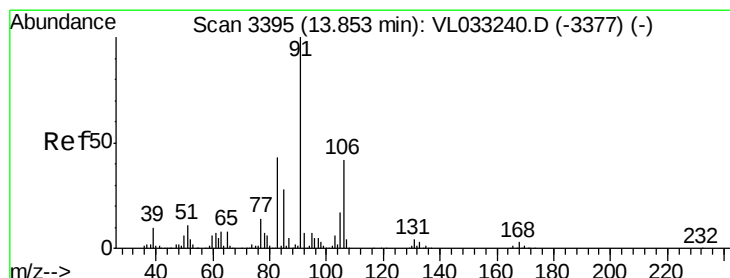
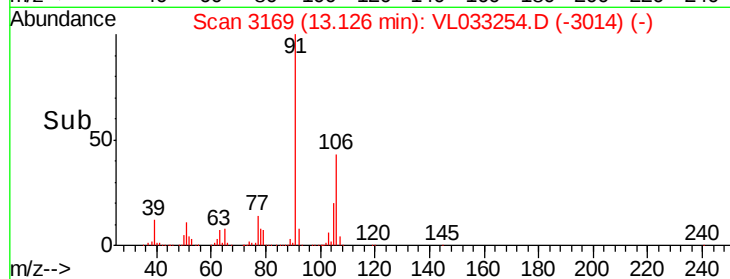
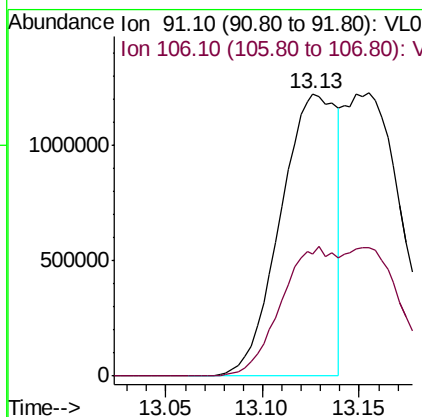
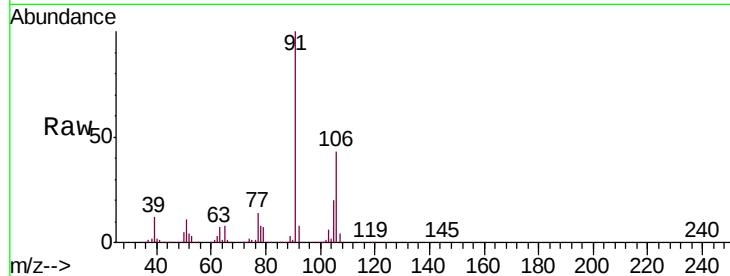
Ion 106.10 (105.80 to 106.80): V





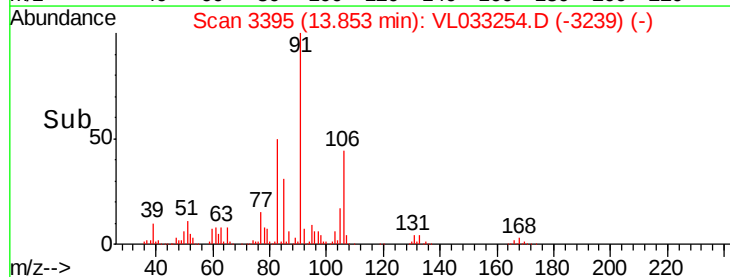
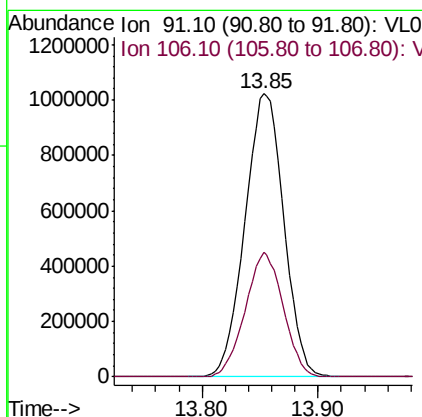
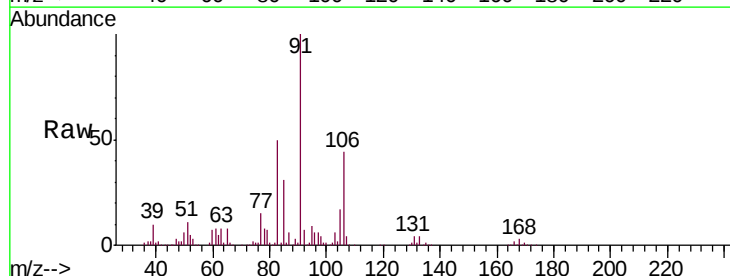
#59
m/p-Xylene
Concen: 7.956 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

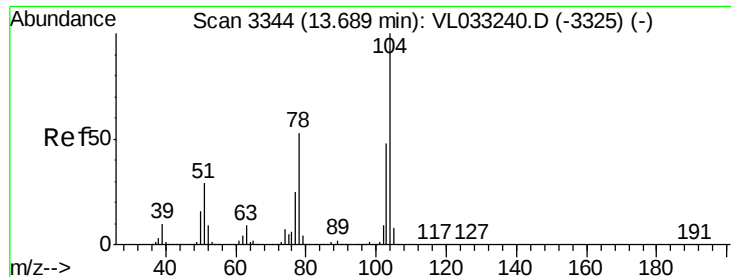
Tgt Ion: 91 Resp: 2459746
Ion Ratio Lower Upper
91 100
106 90.5 35.6 53.4#



#60
o-Xylene
Concen: 8.081 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

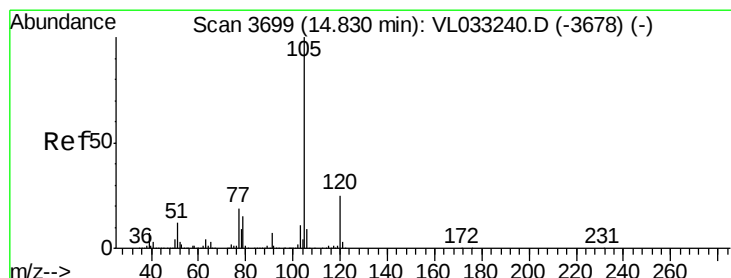
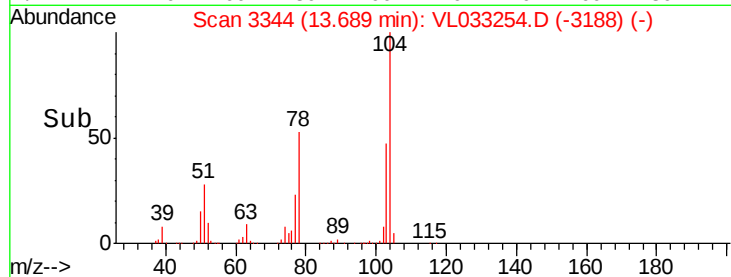
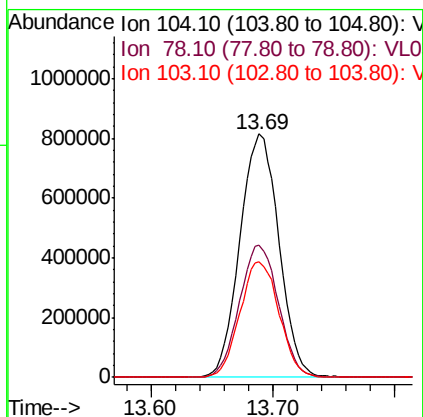
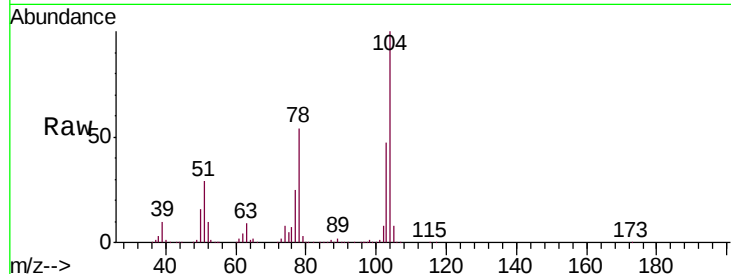
Tgt Ion: 91 Resp: 2381968
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3





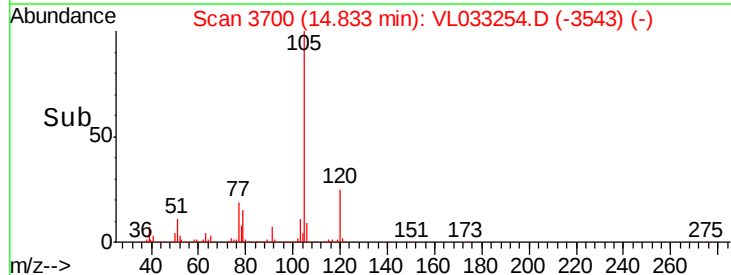
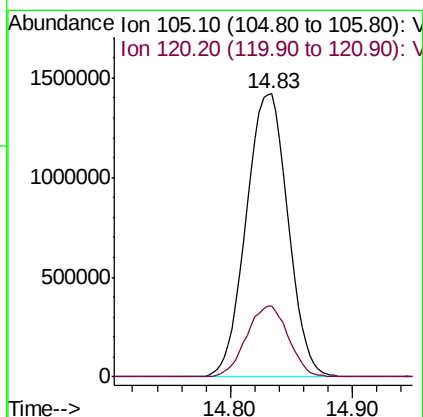
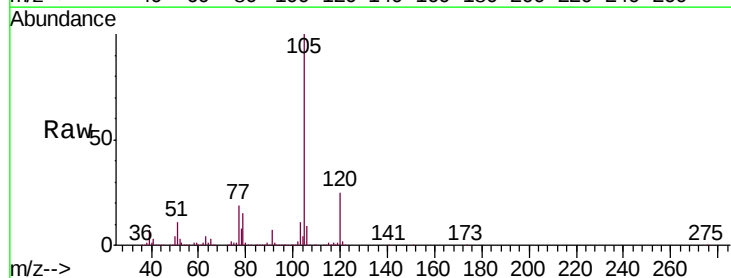
#61
Styrene
Concen: 8.668 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033254.D
Acq: 6 Mar 2019 14:16

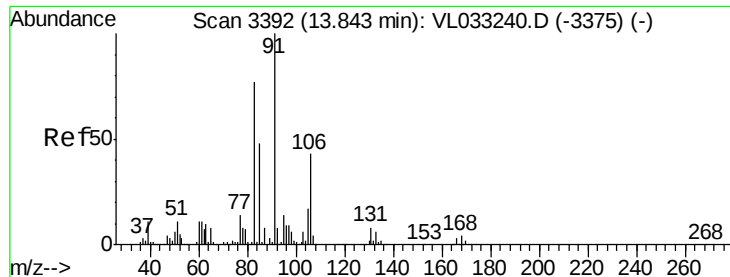
Tgt Ion:104 Resp: 1796945
Ion Ratio Lower Upper
104 100
78 54.5 43.7 65.5
103 47.9 38.2 57.2



#62
Isopropylbenzene
Concen: 8.198 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





#63

1,1,2,2-Tetrachloroethane

Concen: 7.674 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

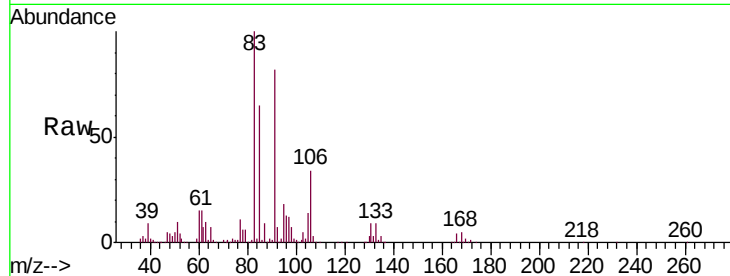
Tgt Ion: 83 Resp: 1609661

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.0

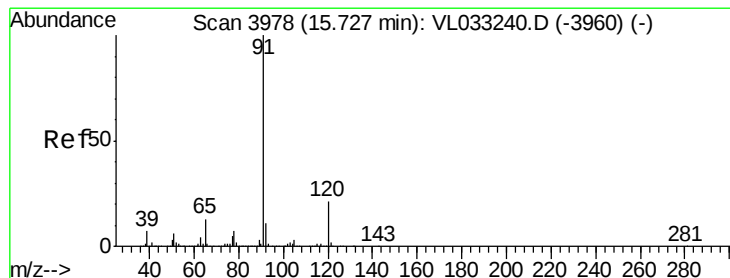
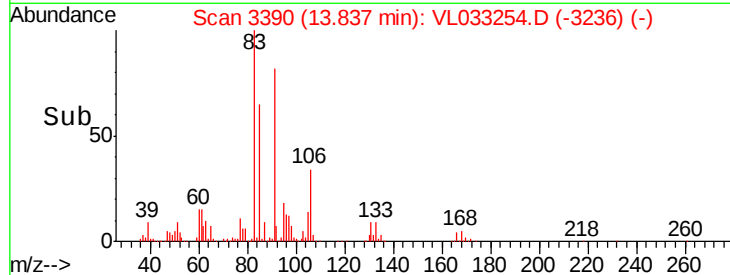
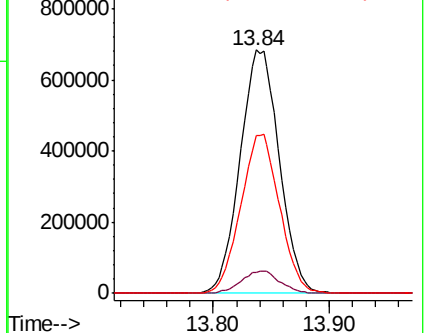
85 64.8 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.341 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033254.D

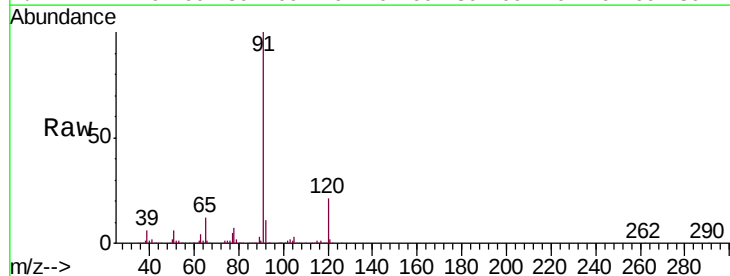
Acq: 6 Mar 2019 14:16

Tgt Ion: 120 Resp: 849734

Ion Ratio Lower Upper

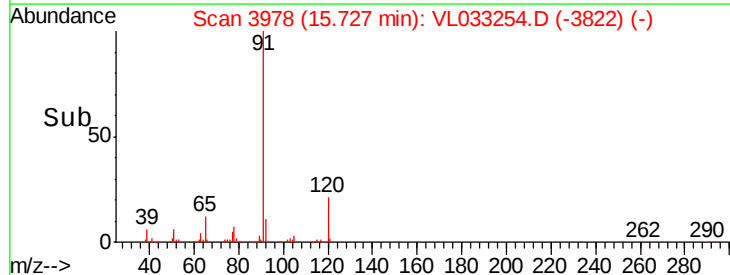
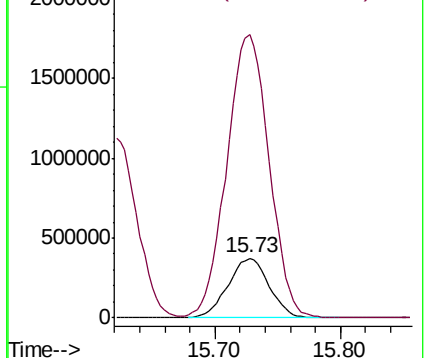
120 100

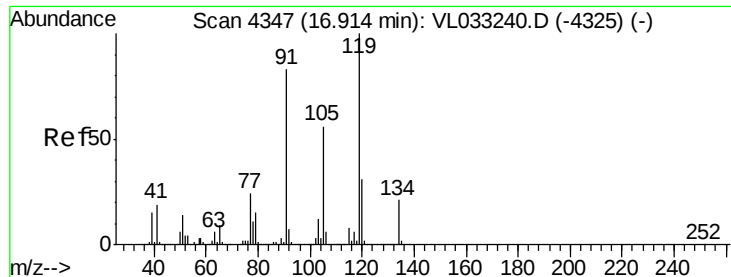
91 490.0 392.2 588.4



Abundance Ion 120.20 (119.90 to 120.90): V

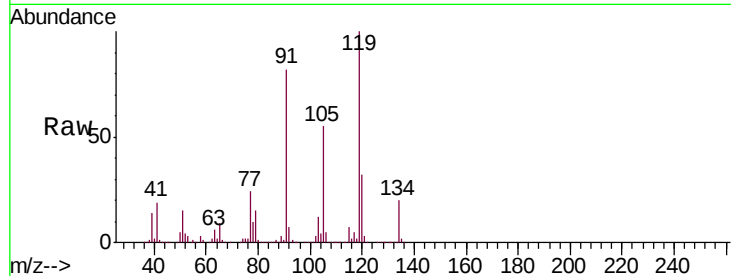
Ion 91.10 (90.80 to 91.80): VL0



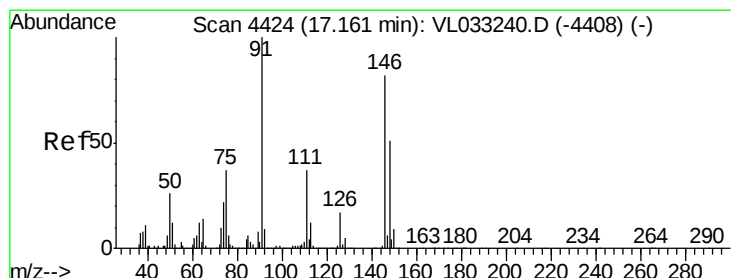
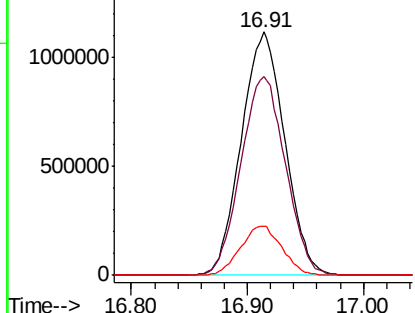
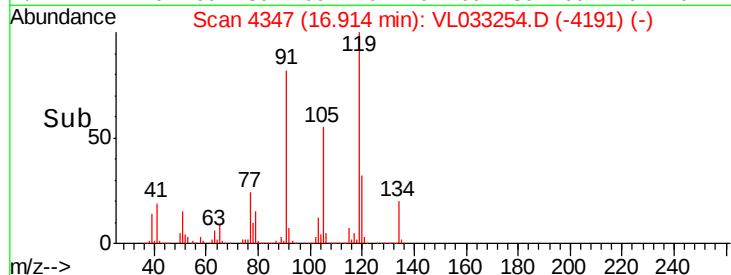


#65
 tert-Butylbenzene
 Concen: 8.288 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion: 119 Resp: 2908058
 Ion Ratio Lower Upper
 119 100
 91 83.8 67.0 100.4
 134 19.4 15.4 23.2

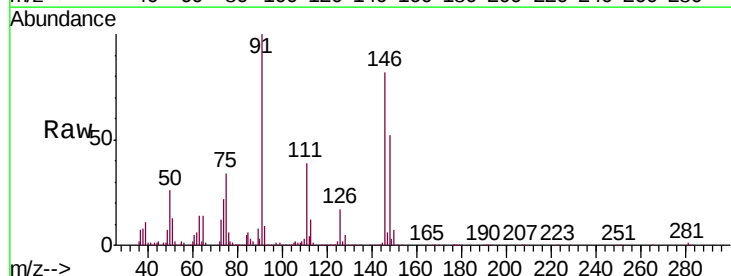


Abundance Ion 119.20 (118.90 to 119.90): V
 1500000 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

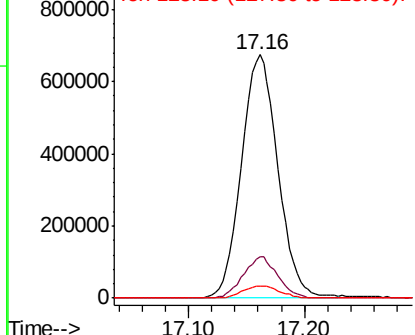
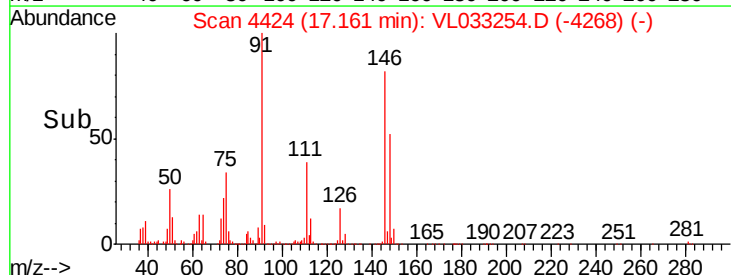


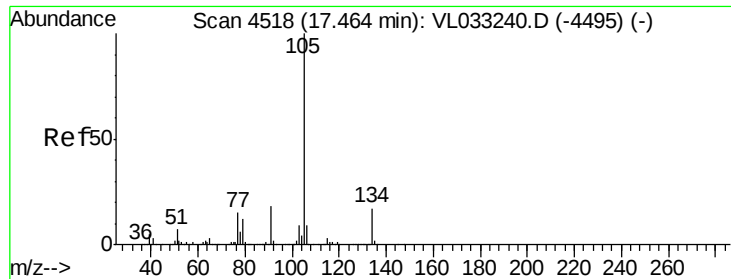
#66
 Benzyl Chloride
 Concen: 10.846 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

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



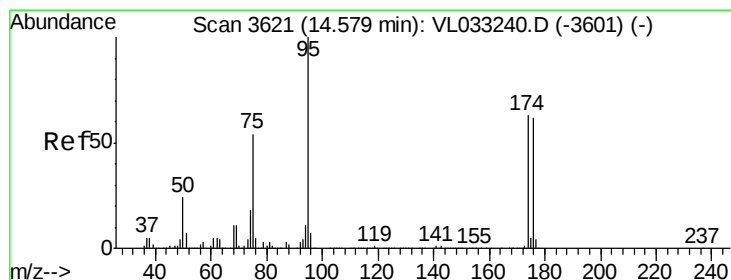
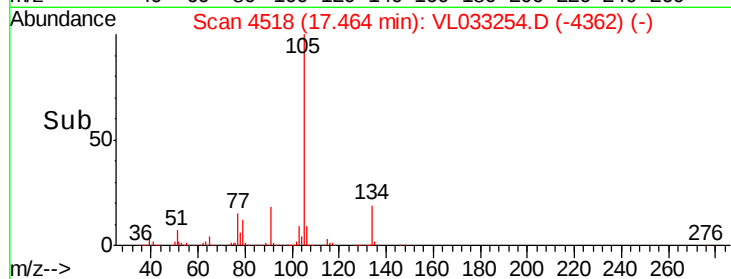
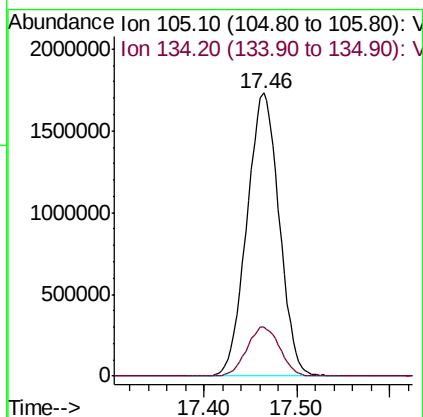
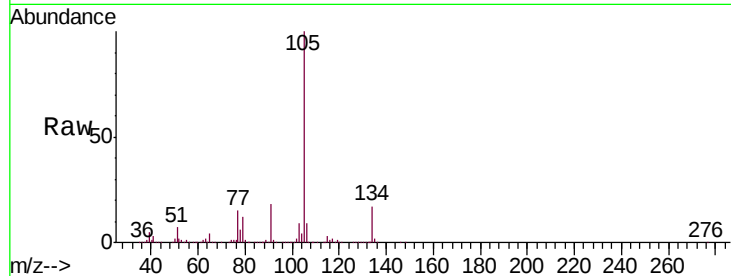
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





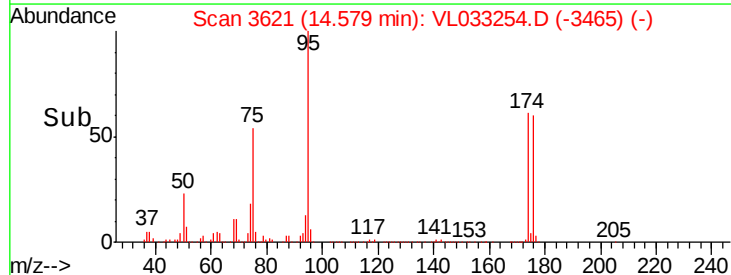
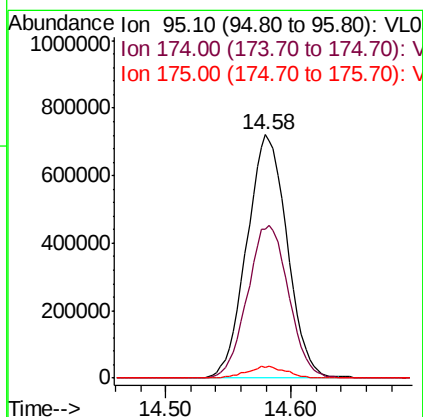
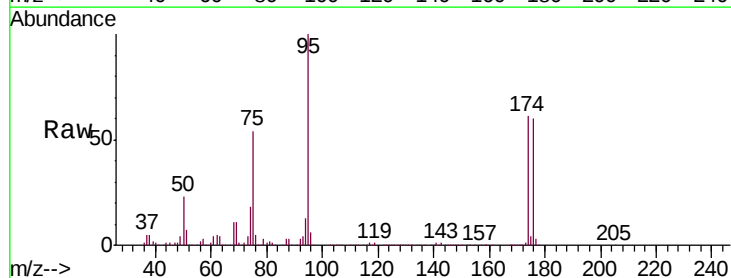
#67
 sec-Butylbenzene
 Concen: 8.359 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

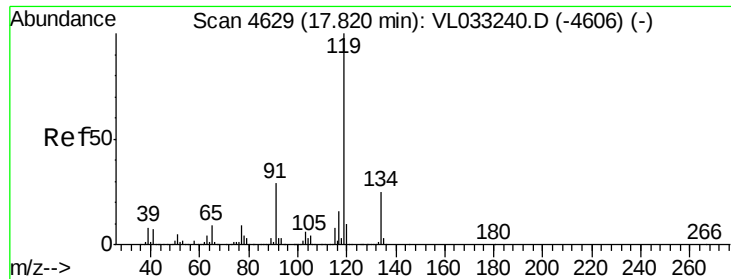
Tgt Ion: 105 Resp: 4181395
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.111 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

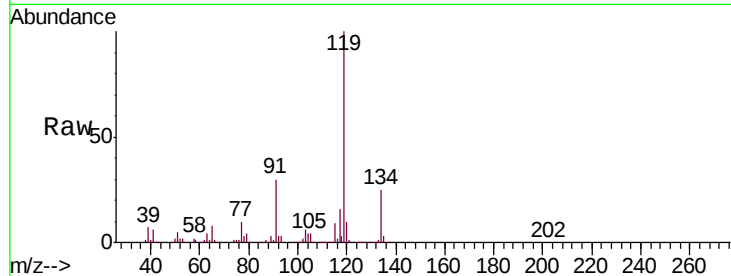
Tgt Ion: 95 Resp: 1614354
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.0 76.4
 175 4.6 3.8 5.6



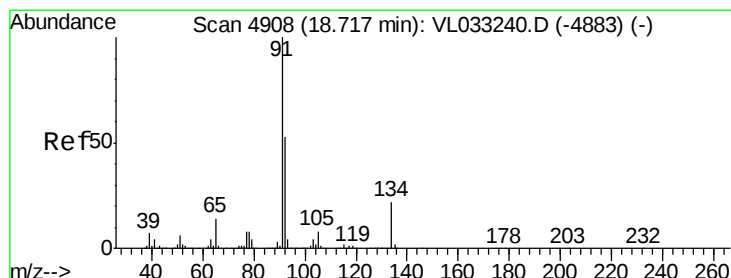
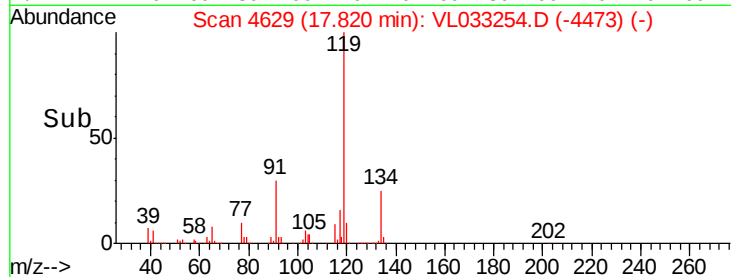
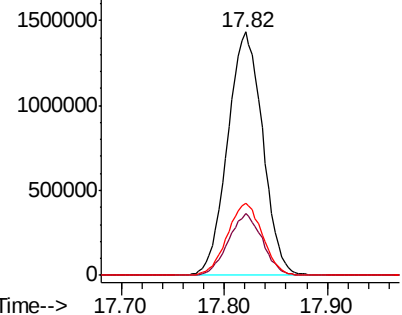


#69
 p-Isopropyltoluene
 Concen: 8.362 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

Tgt Ion:	119	Resp:	3382421
Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.9	29.9
91	29.8	23.9	35.9

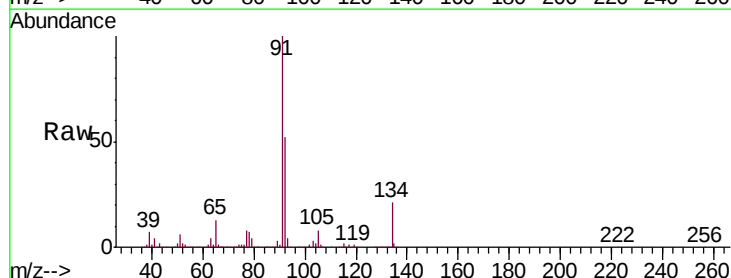


Abundance Ion 119.10 (118.80 to 119.80): VL033240.D (-4606) (-)
 Ion 134.20 (133.90 to 134.90): VL033240.D (-4606) (-)
 Ion 91.10 (90.80 to 91.80): VL033240.D (-4606) (-)

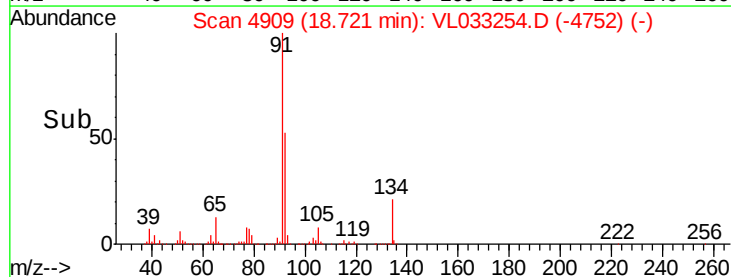
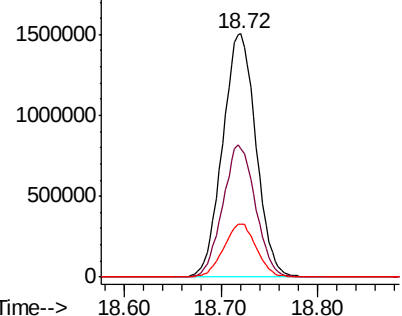


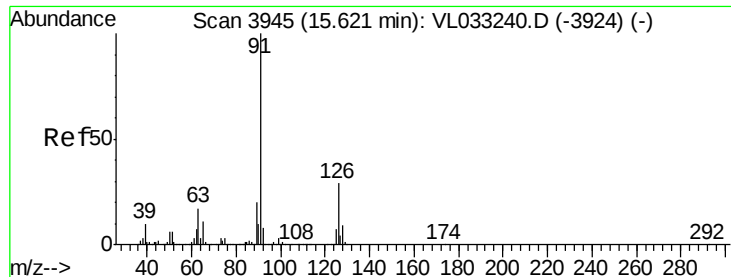
#70
 n-Butylbenzene
 Concen: 8.106 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

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



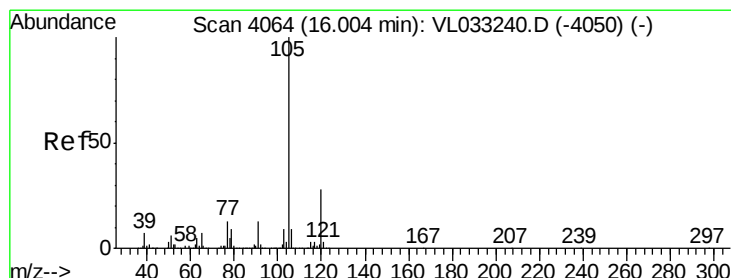
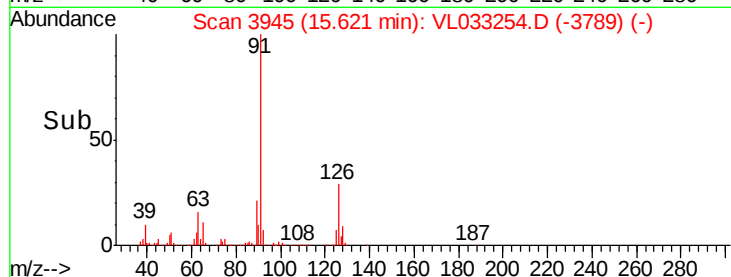
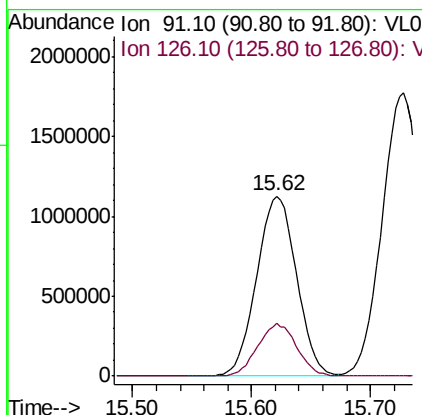
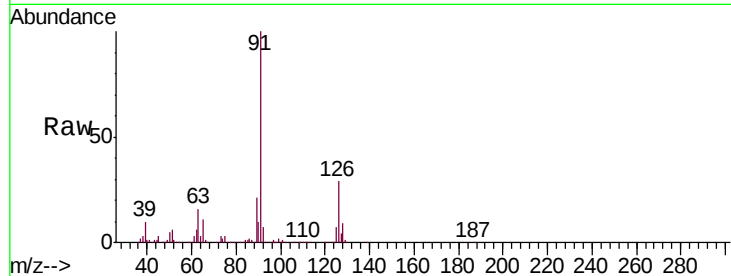
Abundance Ion 91.10 (90.80 to 91.80): VL033240.D (-4883) (-)
 Ion 92.10 (91.80 to 92.80): VL033240.D (-4883) (-)
 Ion 134.20 (133.90 to 134.90): VL033240.D (-4883) (-)





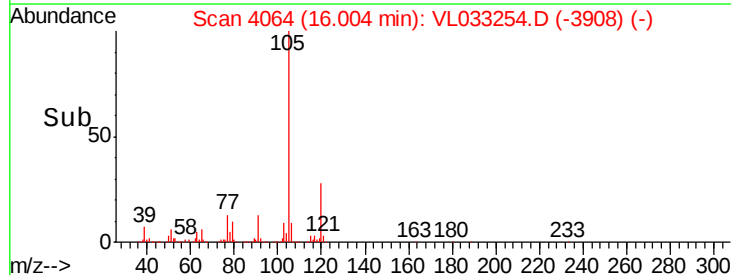
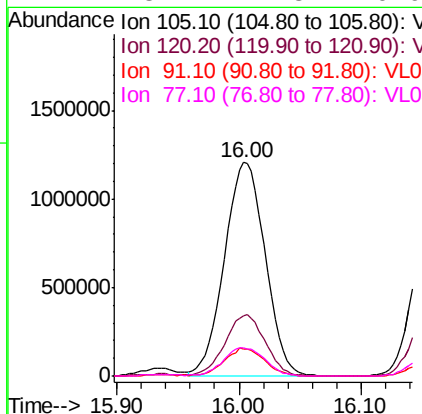
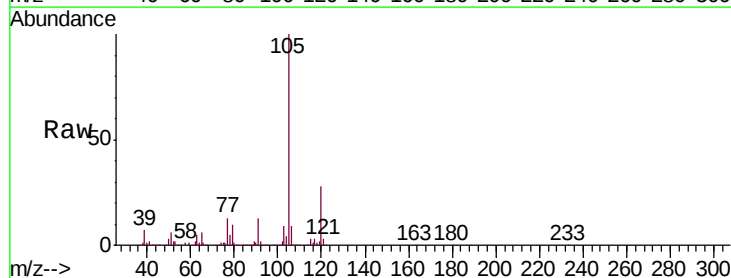
#71
 2-Chlorotoluene
 Concen: 8.317 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

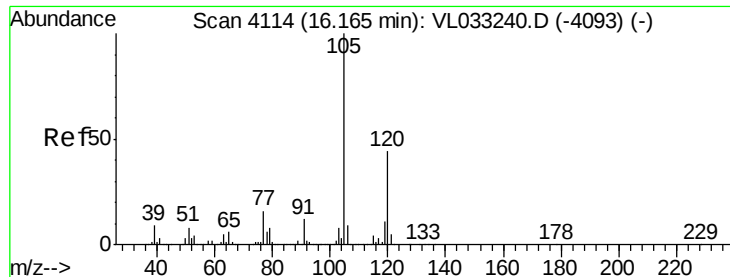
Tgt Ion: 91 Resp: 2613363
 Ion Ratio Lower Upper
 91 100
 126 28.8 11.6 46.2



#72
 4-Ethyltoluene
 Concen: 8.662 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

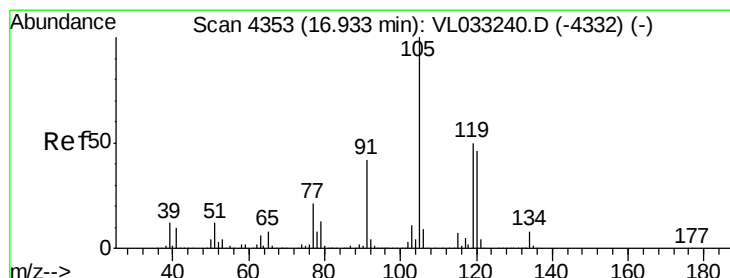
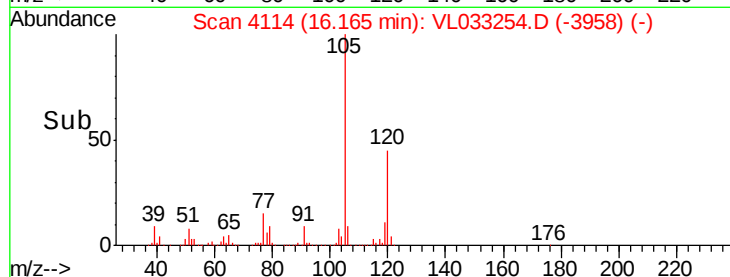
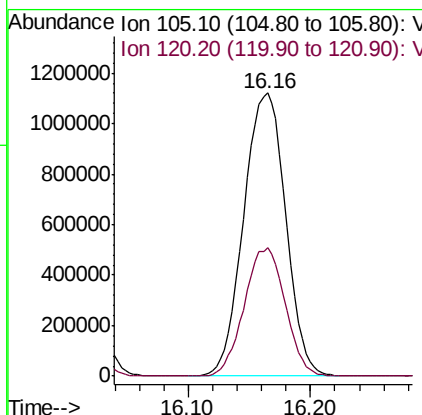
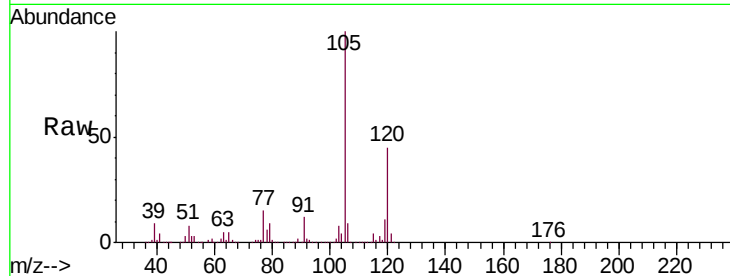
Tgt Ion: 105 Resp: 2790481
 Ion Ratio Lower Upper
 105 100
 120 28.5 22.3 33.5
 91 12.7 10.3 15.5
 77 13.7 11.3 16.9





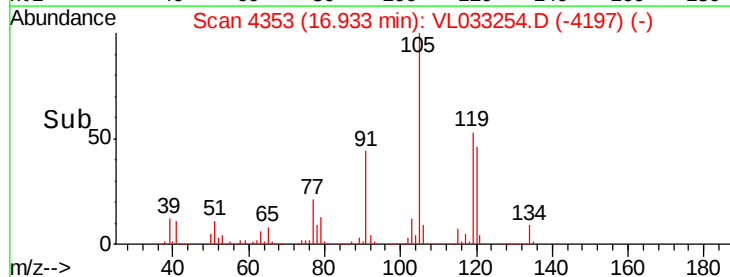
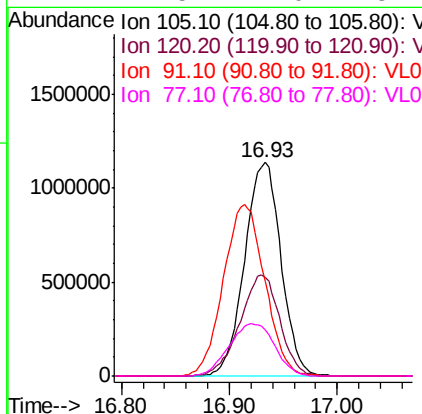
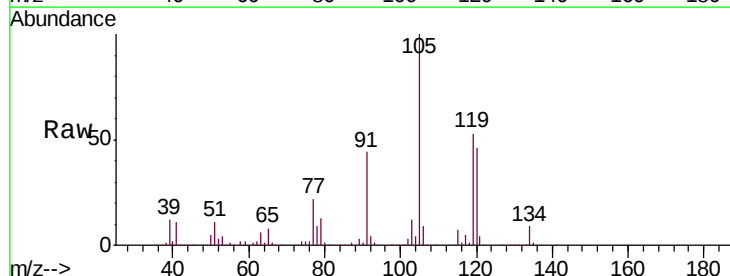
#73
 1,3,5-Trimethylbenzene
 Concen: 8.610 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

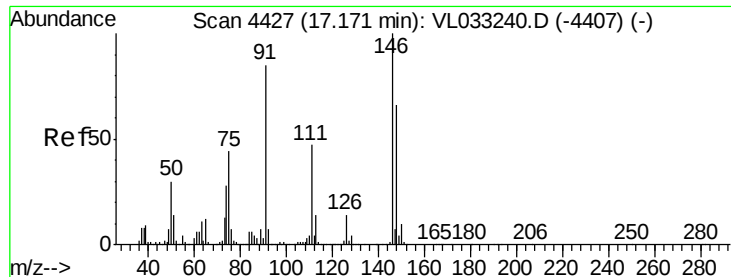
Tgt Ion:105 Resp: 2662264
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.0 52.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.196 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





#75

1,3-Dichlorobenzene

Concen: 8.023 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

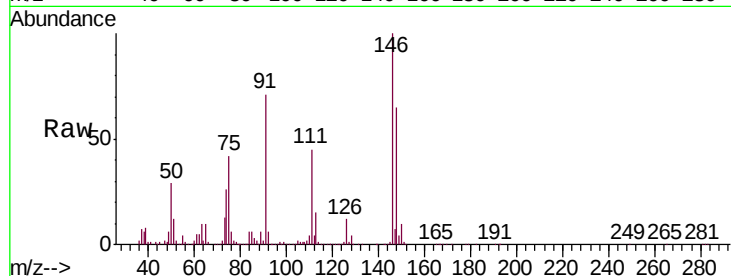
Tgt Ion:146 Resp: 1525153

Ion Ratio Lower Upper

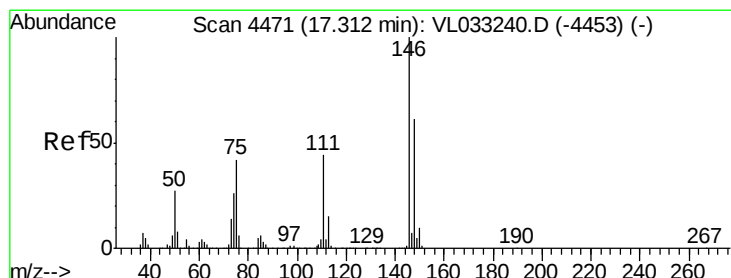
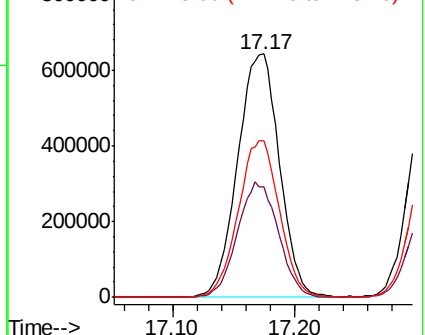
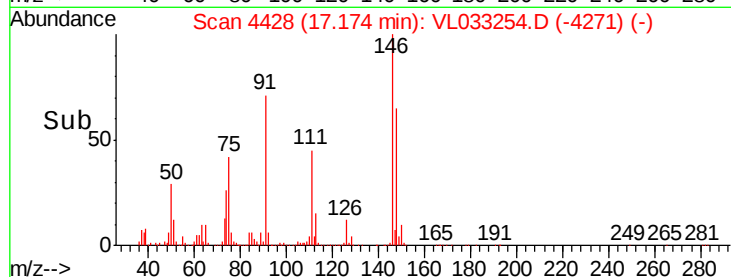
146 100

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: 8.285 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

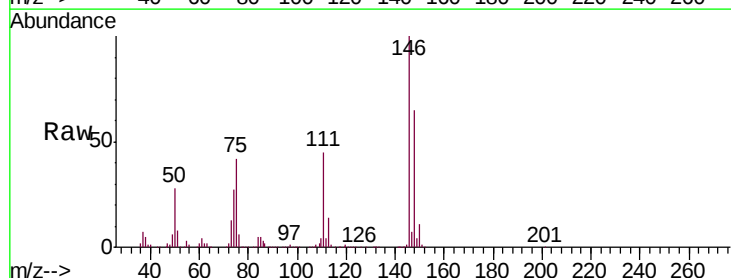
Tgt Ion:146 Resp: 1560756

Ion Ratio Lower Upper

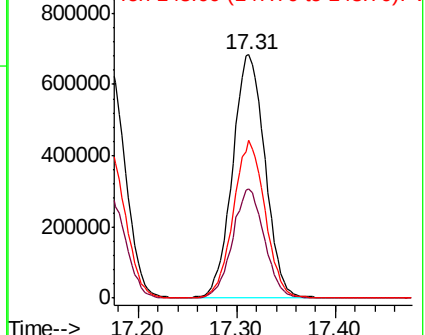
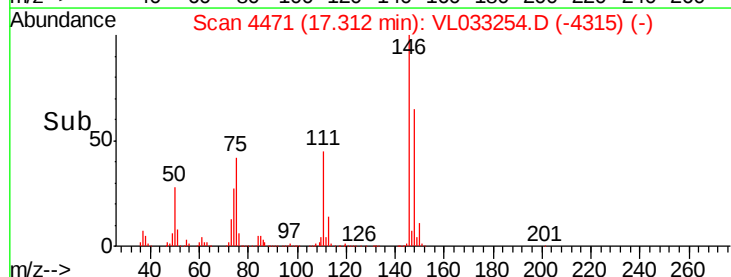
146 100

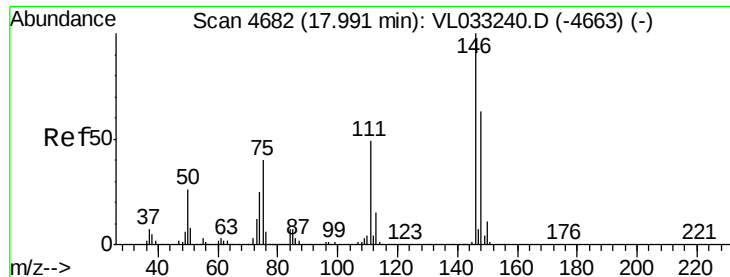
111 43.9 22.4 67.3

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: 7.966 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

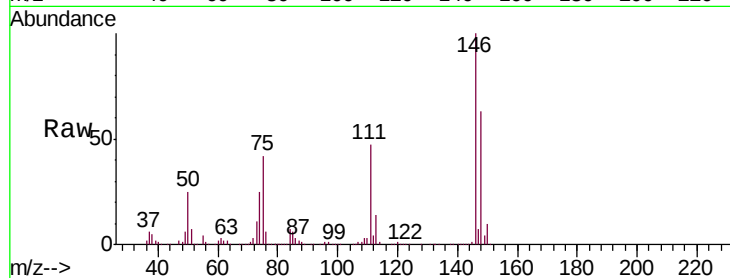
Tgt Ion:146 Resp: 1470059

Ion Ratio Lower Upper

146 100

111 47.4 23.6 71.0

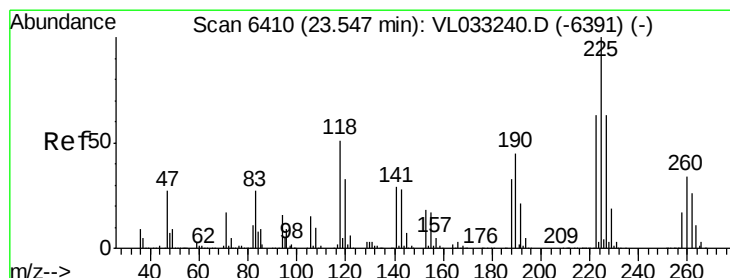
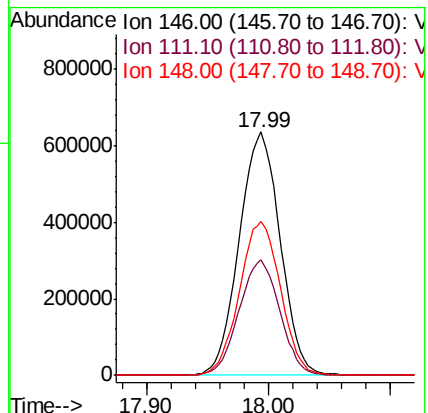
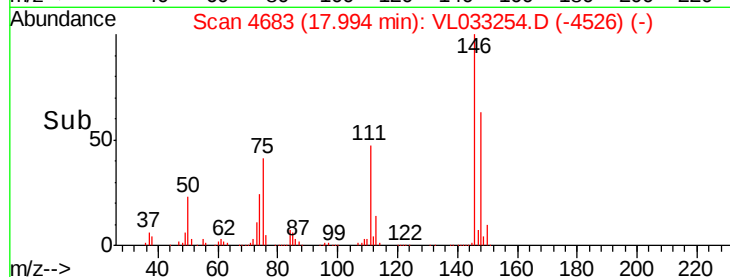
148 63.8 32.3 96.9



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: 8.978 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

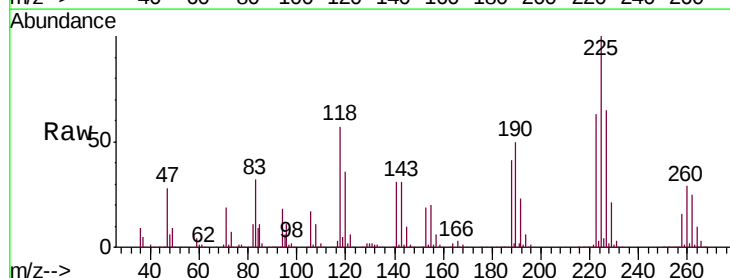
Tgt Ion:225 Resp: 1172452

Ion Ratio Lower Upper

225 100

223 63.7 50.9 76.3

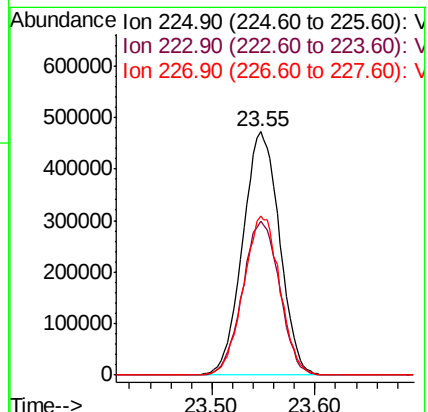
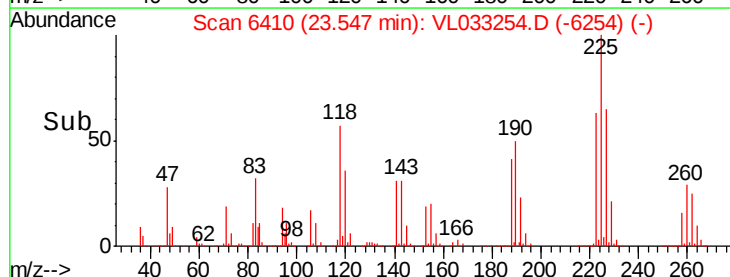
227 64.6 50.7 76.1

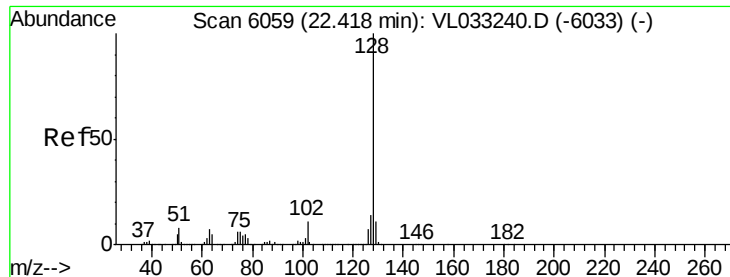


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.460 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

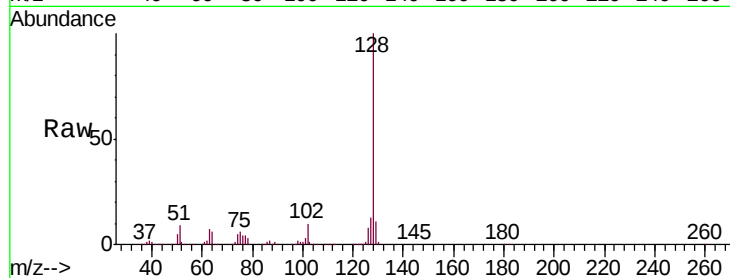
Tgt Ion:128 Resp: 2964815

Ion Ratio Lower Upper

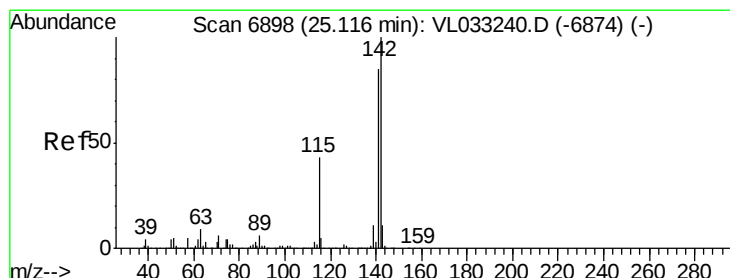
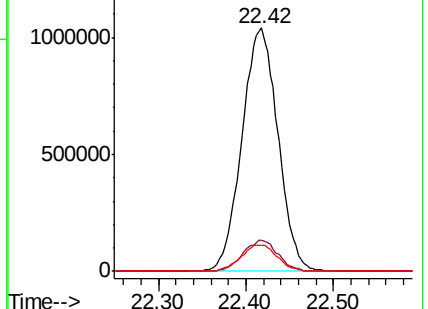
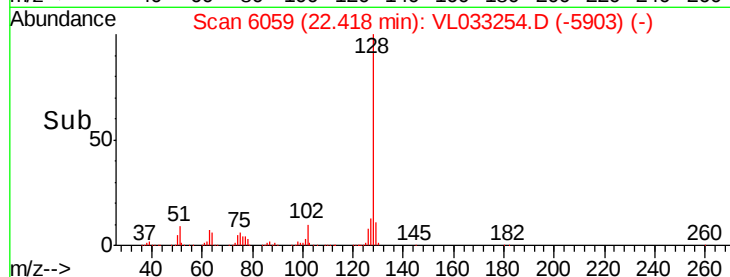
128 100

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: 14.976 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL033254.D

Acq: 6 Mar 2019 14:16

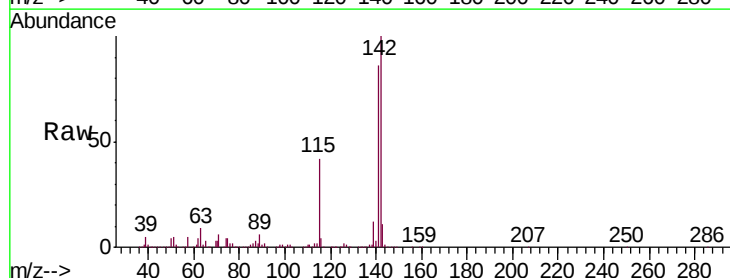
Tgt Ion:142 Resp: 1778128

Ion Ratio Lower Upper

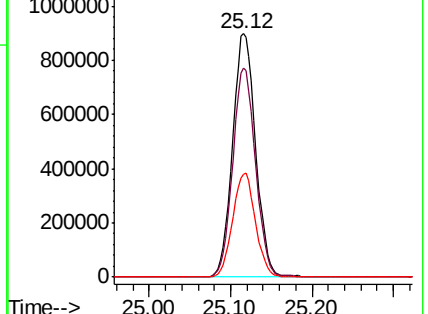
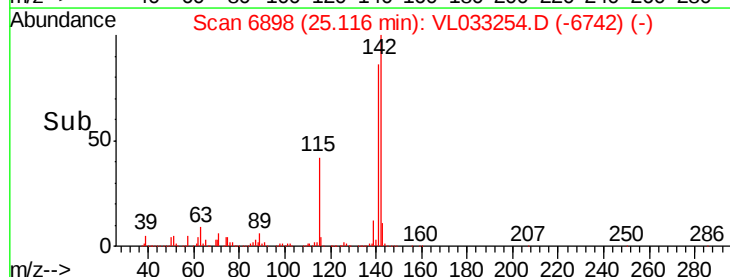
142 100

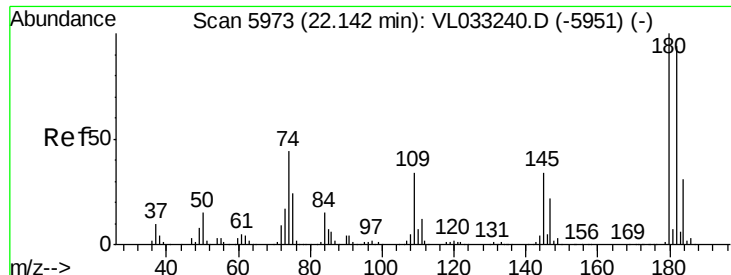
141 85.4 68.0 102.0

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: 6.969 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033254.D
 Acq: 6 Mar 2019 14:16

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

