

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033231.D
 Acq On : 15 Feb 2019 14:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 02:43:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	812650	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1812438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1988203	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1521677	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1521358	9.792	ppbv 97
3) Chlorodifluoromethane	3.02	51	965909	9.871	ppbv 96
4) Chloromethane	3.17	50	506620	9.805	ppbv 99
5) Vinyl Chloride	3.29	62	487612	9.038	ppbv 99
6) Bromomethane	3.52	94	297066	10.018	ppbv 99
7) Chloroethane	3.61	64	183449	10.401	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1189541	9.790	ppbv 98
9) Propene	3.04	41	423857	8.967	ppbv 100
10) Heptane	8.25	43	1266476	8.856	ppbv 100
11) Trichlorofluoromethane	4.01	101	1309980	10.415	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	858789	9.851	ppbv 99
13) Ethanol	3.65	45	92318	5.747	ppbv 97
14) Bromoethene	3.79	108	375788	9.998	ppbv 98
15) Acetone	3.91	43	855789	9.347	ppbv 99
16) 1,3-Butadiene	3.37	39	430331	9.902	ppbv 100
17) tert-Butyl alcohol	4.36	59	158395	9.006	ppbv 98
18) 1,1-Dichloroethene	4.36	96	379696	9.730	ppbv 96
19) Isopropyl Alcohol	4.02	45	533661	8.594	ppbv # 99
20) Methylene Chloride	4.41	84	324683	8.915	ppbv 93
21) Allyl Chloride	4.48	41	606894	10.039	ppbv 98
22) trans-1,2-Dichloroethene	4.97	96	457127	12.063	ppbv 99
23) Vinyl Acetate	5.16	43	1815971	11.444	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1234300	10.997	ppbv 99
25) Ethyl Acetate	5.77	43	2101796	10.210	ppbv 99
26) Hexane	5.79	57	923463	9.556	ppbv 96
27) Carbon Disulfide	4.62	76	956851	10.808	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	1407150	10.656	ppbv 100
29) Chloroform	5.86	83	1531737	10.343	ppbv 98
30) Cyclohexane	7.25	84	770580	8.594	ppbv 96
31) cis-1,2-Dichloroethene	5.65	61	993249	10.269	ppbv 100
32) 1,1,1-Trichloroethane	6.63	97	1513093	9.279	ppbv 98
34) 2-Butanone	5.34	43	1433997	12.473	ppbv 98
35) Carbon Tetrachloride	7.14	117	1580789	11.420	ppbv 95
36) Benzene	7.01	78	1905344	10.373	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1221910	12.003	ppbv 99
38) Trichloroethene	7.97	130	711998	9.071	ppbv 97
39) 1,2-Dichloropropane	7.74	63	746451	10.290	ppbv 95
40) 1,4-Dioxane	7.96	88	250285	9.717	ppbv # 1
41) Tetrahydrofuran	6.16	42	802137	11.287	ppbv 98
42) Bromodichloromethane	7.93	83	1710248	11.593	ppbv 100
43) Methyl Methacrylate	8.15	69	808157	10.959	ppbv 96

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Quant Time: Feb 21 02:43:00 2019

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

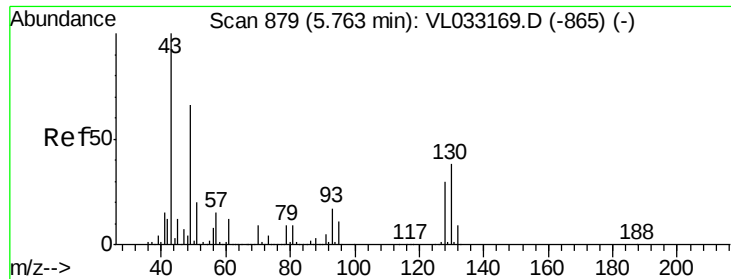
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3286398	10.558	ppbv	98
45) t-1,3-Dichloropropene	9.43	75	1068978	13.090	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1207024	11.567	ppbv	94
47) 1,1,2-Trichloroethane	9.62	97	787986	10.474	ppbv	94
48) Dibromochloromethane	10.46	129	1433880	12.098	ppbv	100
49) Bromoform	13.21	173	1274067	12.493	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2062899	11.190	ppbv	98
51) 2-Hexanone	10.28	43	1643815	11.309	ppbv #	97
52) Tetrachloroethene	11.38	164	693920	9.833	ppbv	95
53) Toluene	9.96	91	2247686	10.334	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1292468	10.948	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.29	131	995226	10.748	ppbv	99
57) Chlorobenzene	12.31	112	1682763	9.565	ppbv	94
58) Ethyl Benzene	12.88	91	3194335	9.788	ppbv	98
59) m/p-Xylene	13.16	91	5320372m	19.599	ppbv	
60) o-Xylene	13.86	91	2635177	9.955	ppbv	99
61) Styrene	13.70	104	1961710	9.817	ppbv	98
62) Isopropylbenzene	14.84	105	3671193	9.829	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	1843565	8.921	ppbv	99
64) n-propylbenzene	15.73	120	930536	9.800	ppbv	95
65) tert-Butylbenzene	16.92	119	3251580	9.998	ppbv	98
66) Benzyl Chloride	17.17	91	1690714	14.547	ppbv	98
67) sec-Butylbenzene	17.47	105	4668592	9.889	ppbv	99
69) p-Isopropyltoluene	17.83	119	3880902	9.870	ppbv	98
70) n-Butylbenzene	18.72	91	4218365	9.944	ppbv	99
71) 2-Chlorotoluene	15.63	91	2891710	9.855	ppbv	98
72) 4-Ethyltoluene	16.01	105	3059270	10.020	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	2934152	10.049	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	3008134	9.933	ppbv	93
75) 1,3-Dichlorobenzene	17.18	146	1707927	9.778	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1731612	10.006	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1708204	9.897	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1356566	15.806	ppbv	99
79) Naphthalene	22.42	128	3224843	9.909	ppbv	98
80) Naphthalene, 2-methyl-	25.12	142	1504891	9.142	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1595377	9.650	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

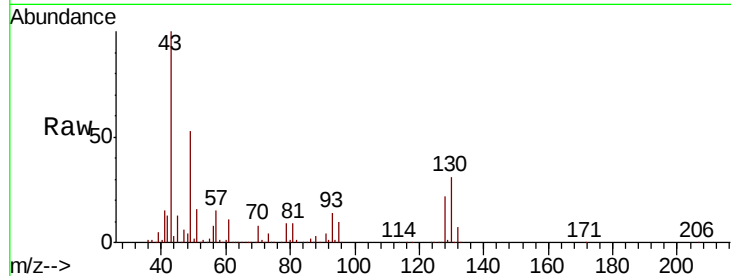
Tot Ion: 49 Resp: 812650

Ion Ratio Lower Upper

49 100

128 44.6 23.6 71.0

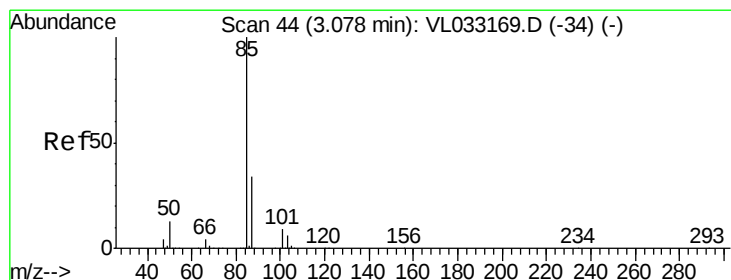
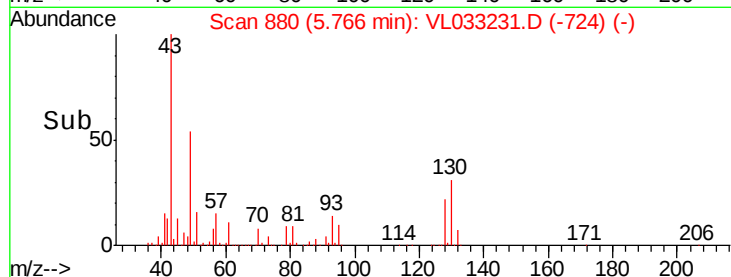
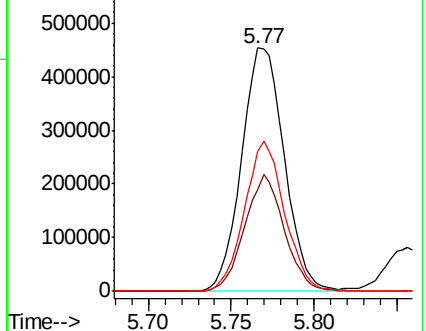
130 58.0 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.792 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033231.D

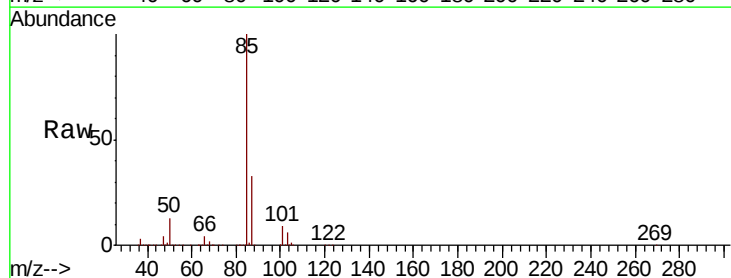
Acq: 15 Feb 2019 14:12

Tgt Ion: 85 Resp: 1521358

Ion Ratio Lower Upper

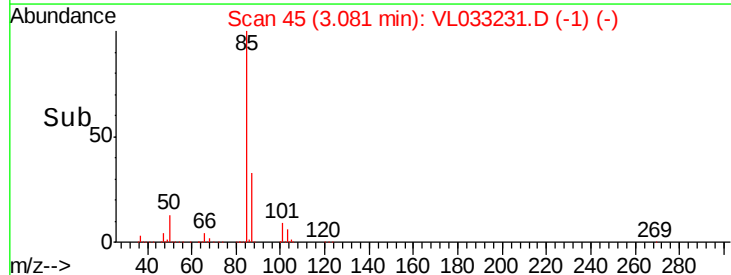
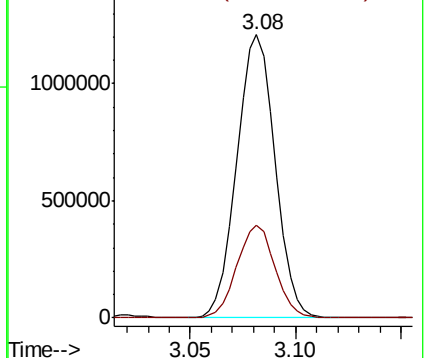
85 100

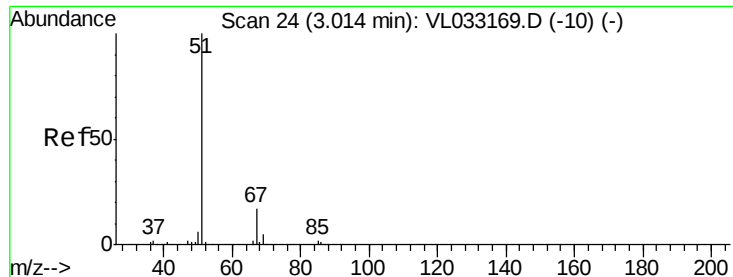
87 32.8 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.871 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033231.D

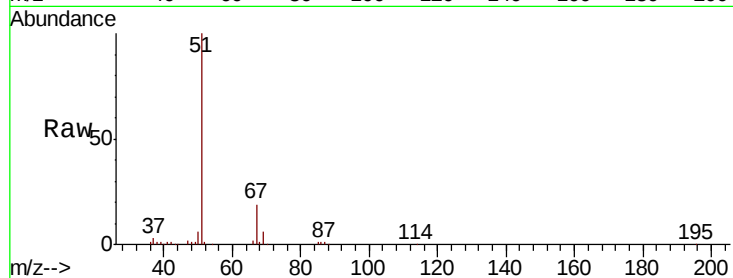
Acq: 15 Feb 2019 14:12

Tot Ion: 51 Resp: 965909

Ion Ratio Lower Upper

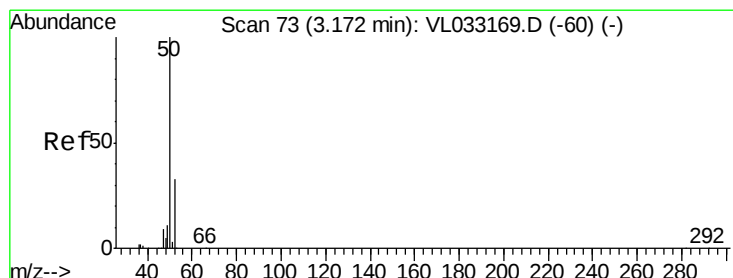
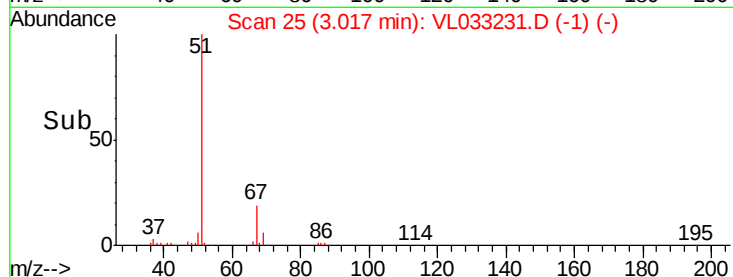
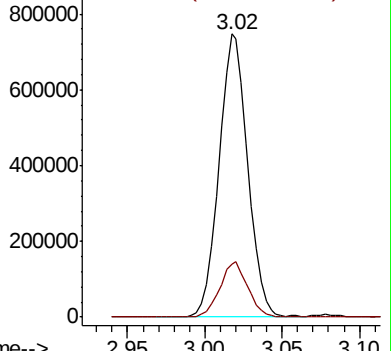
51 100

67 19.0 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.805 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033231.D

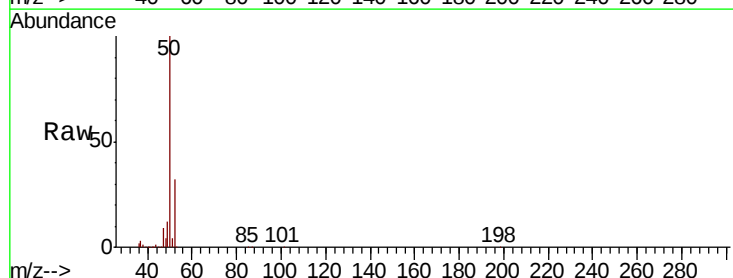
Acq: 15 Feb 2019 14:12

Tgt Ion: 50 Resp: 506620

Ion Ratio Lower Upper

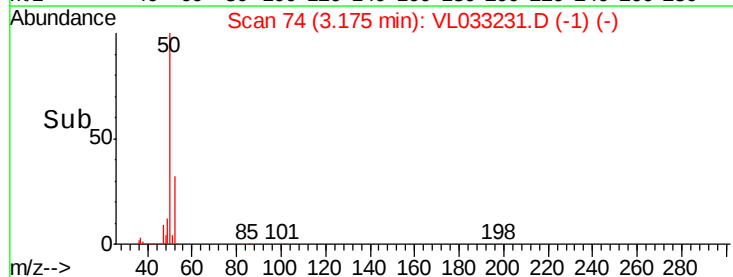
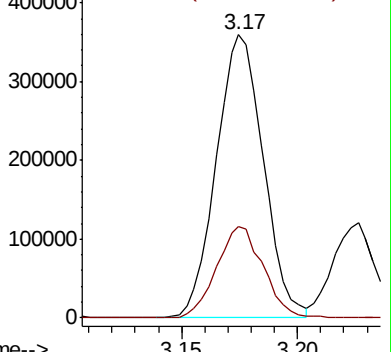
50 100

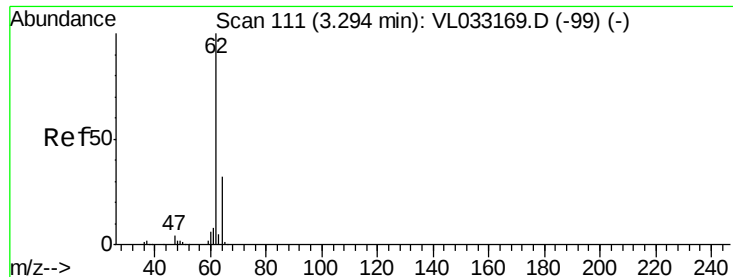
52 32.3 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.038 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033231.D

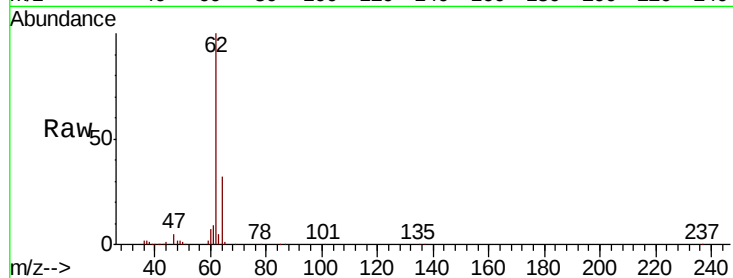
Acq: 15 Feb 2019 14:12

Tot Ion: 62 Resp: 487612

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

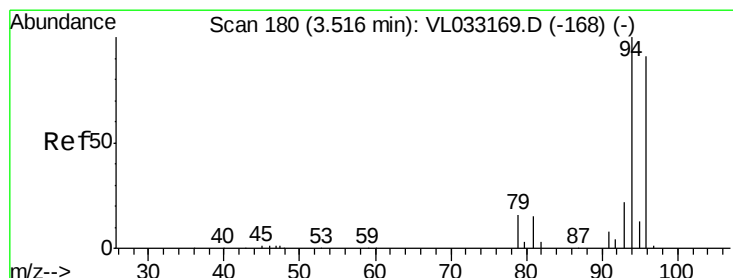
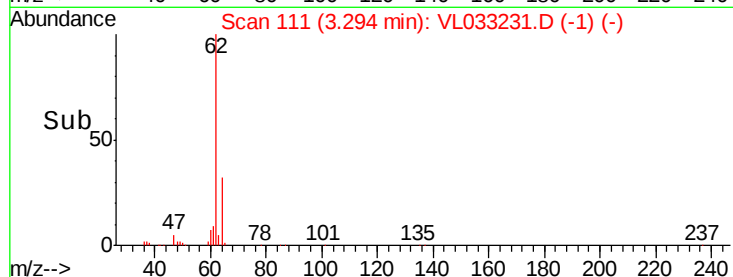
200000

100000

0

Time-->

3.25 3.30 3.35



#6

Bromomethane

Concen: 10.018 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033231.D

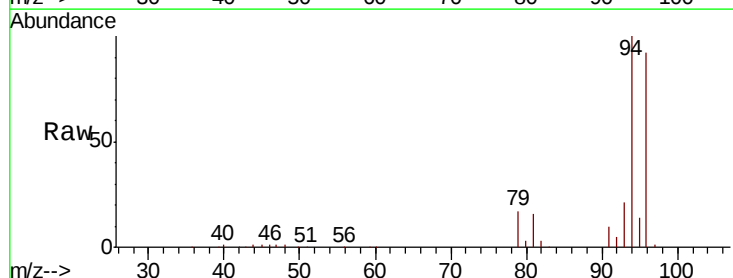
Acq: 15 Feb 2019 14:12

Tgt Ion: 94 Resp: 297066

Ion Ratio Lower Upper

94 100

96 92.0 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

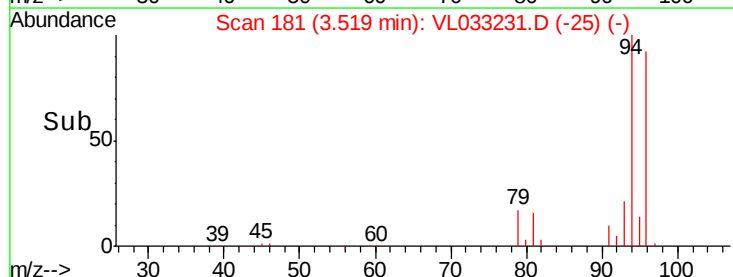
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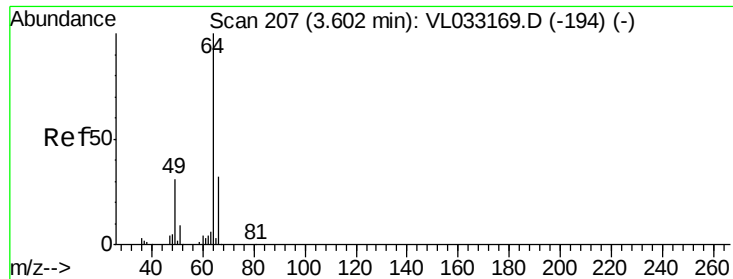
50000

0

Time-->

3.45 3.50 3.55





#7

Chloroethane

Concen: 10.401 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033231.D

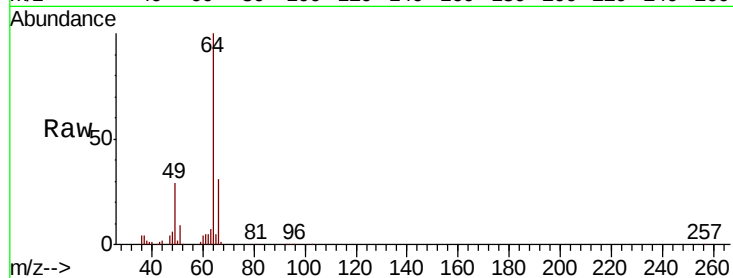
Acq: 15 Feb 2019 14:12

Tot Ion: 64 Resp: 183449

Ion Ratio Lower Upper

64 100

66 31.5 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

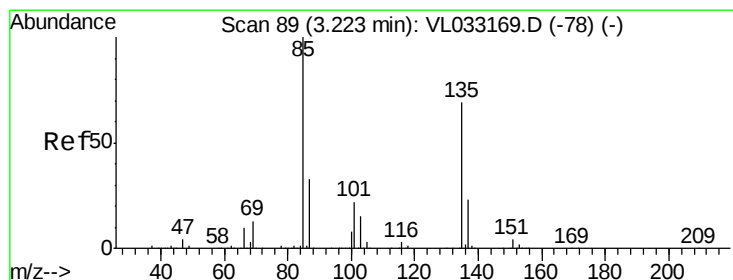
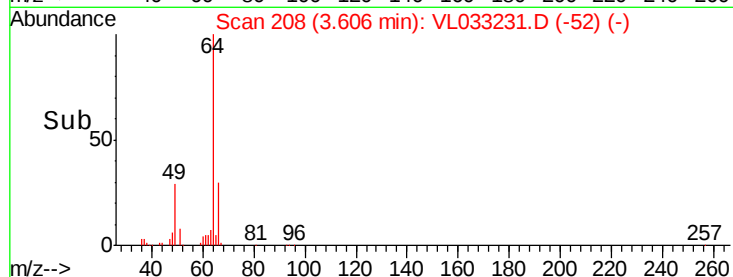
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.790 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033231.D

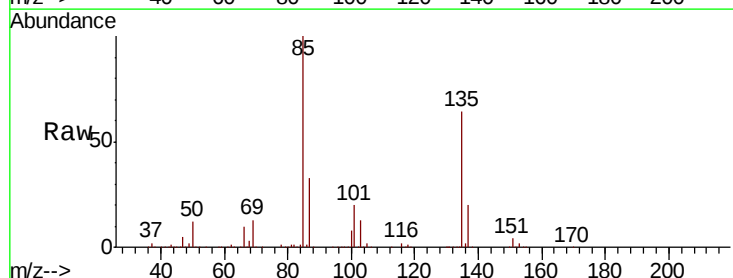
Acq: 15 Feb 2019 14:12

Tgt Ion: 85 Resp: 1189541

Ion Ratio Lower Upper

85 100

135 65.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

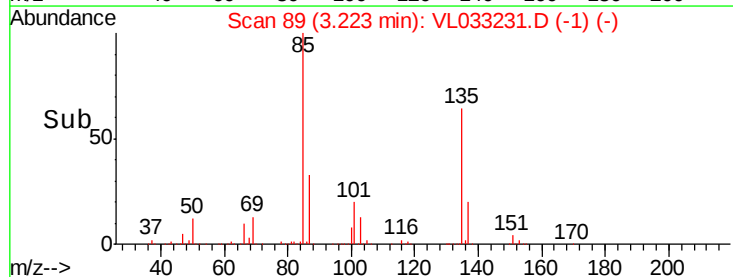
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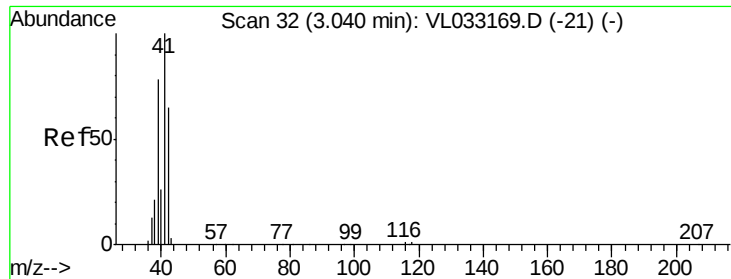
200000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 8.967 ppbv

RT: 3.04 min Scan# 32

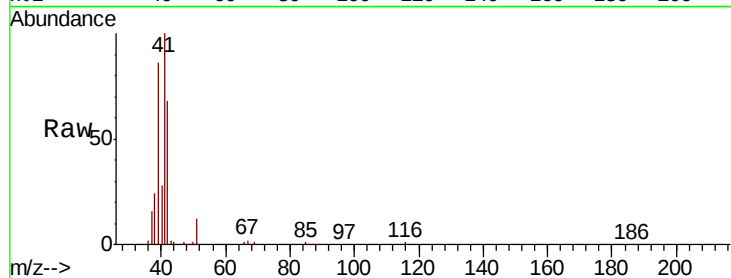
Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion: 41 Resp: 423857

Ion	Ratio	Lower	Upper
41	100		
42	68.6	55.0	82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

300000

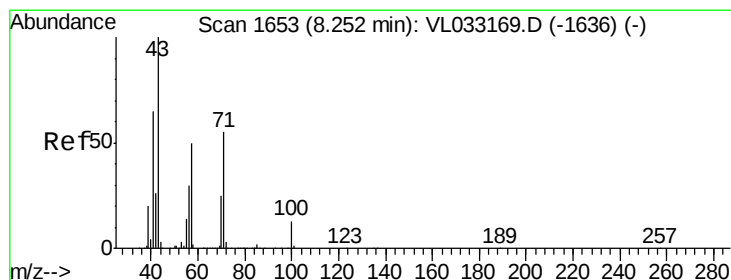
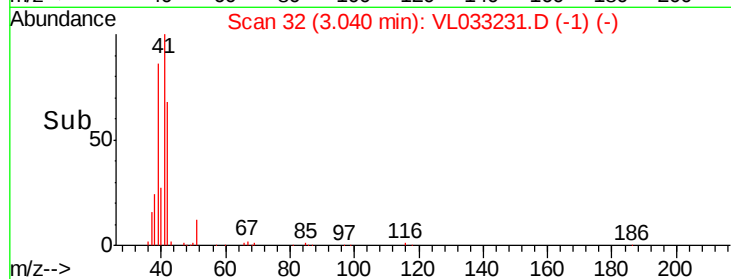
200000

100000

0

Time-->

3.00 3.05



#10

Heptane

Concen: 8.856 ppbv

RT: 8.25 min Scan# 1654

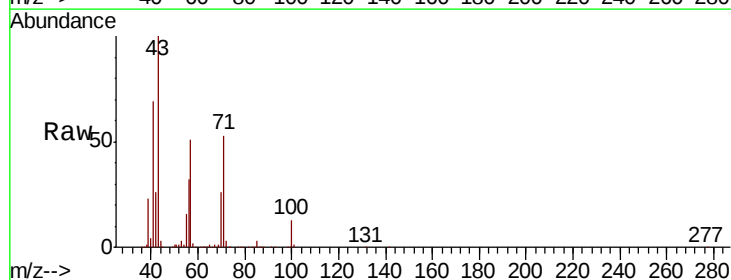
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 43 Resp: 1266476

Ion	Ratio	Lower	Upper
43	100		
57	49.7	39.5	59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.25

600000

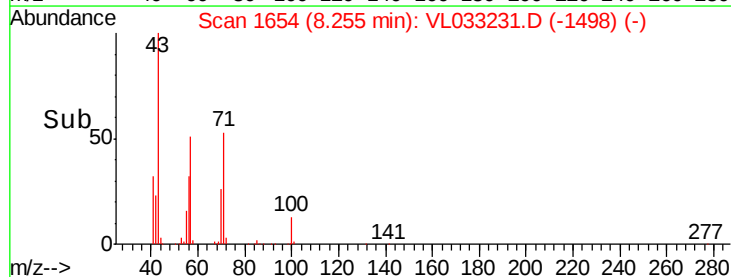
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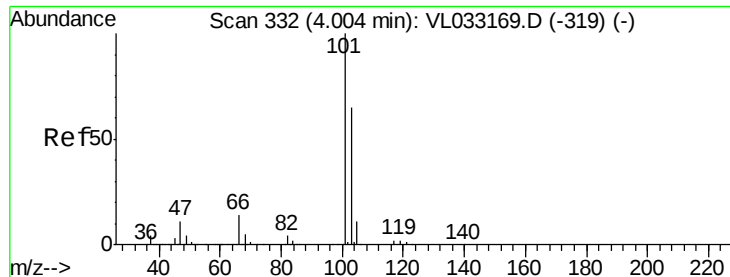
200000

0

Time-->

8.20 8.25 8.30





#11

Trichlorofluoromethane

Concen: 10.415 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL033231.D

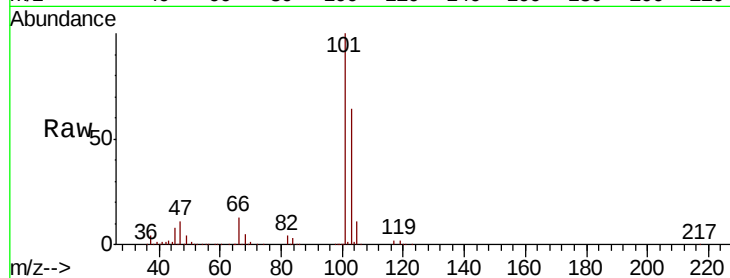
Acq: 15 Feb 2019 14:12

Tot Ion:101 Resp: 1309980

Ion Ratio Lower Upper

101 100

103 64.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.01

800000

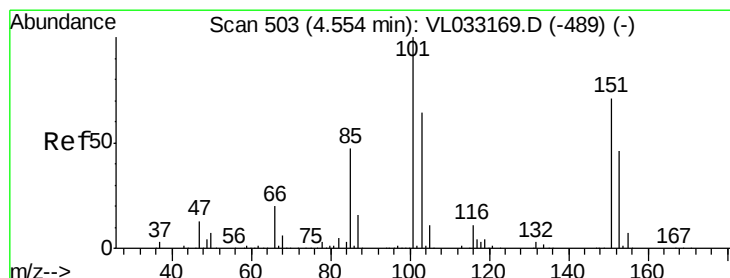
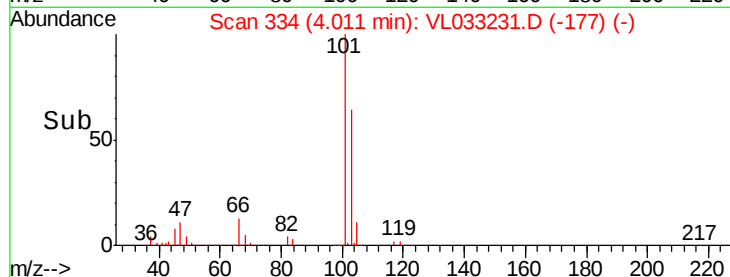
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.851 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033231.D

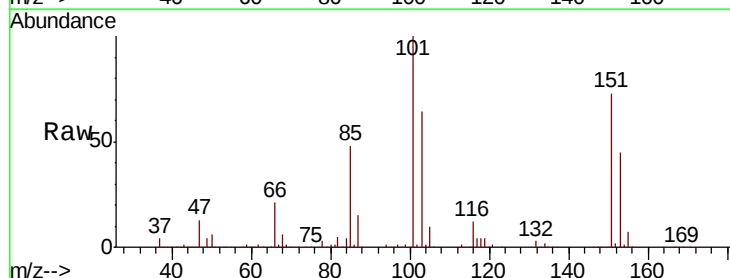
Acq: 15 Feb 2019 14:12

Tgt Ion:101 Resp: 858789

Ion Ratio Lower Upper

101 100

151 70.6 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.56

600000

500000

400000

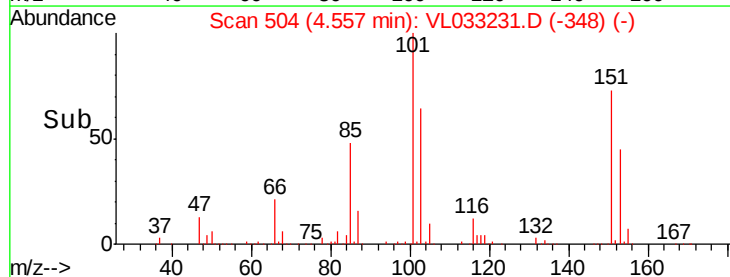
300000

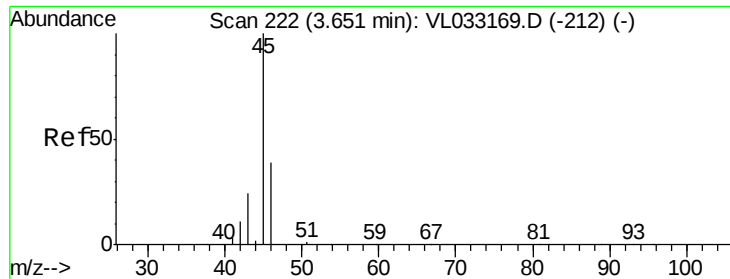
200000

100000

0

Time-->





#13

Ethanol

Concen: 5.747 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033231.D

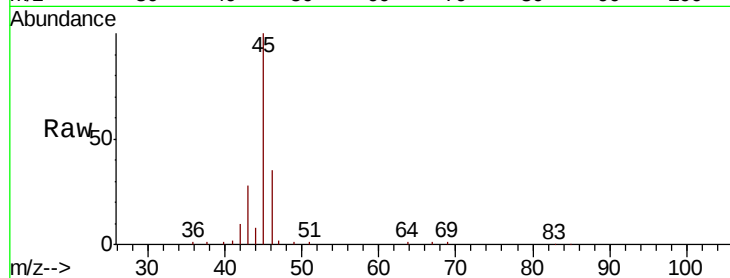
Acq: 15 Feb 2019 14:12

Tot Ion: 45 Resp: 92318

Ion Ratio Lower Upper

45 100

46 35.9 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.65

60000

50000

40000

30000

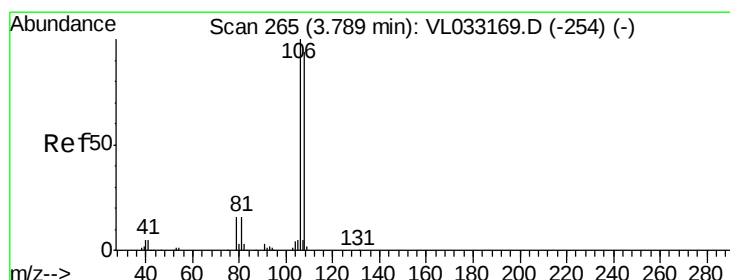
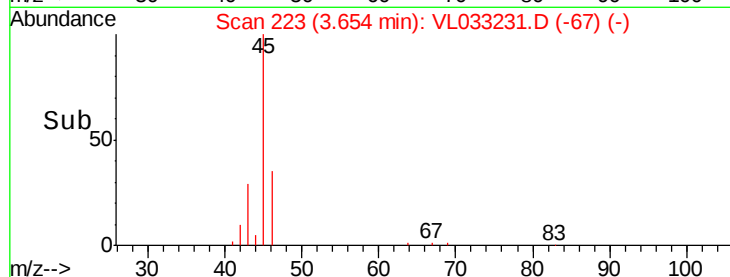
20000

10000

0

Time-->

3.60 3.65 3.70



#14

Bromoethene

Concen: 9.998 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

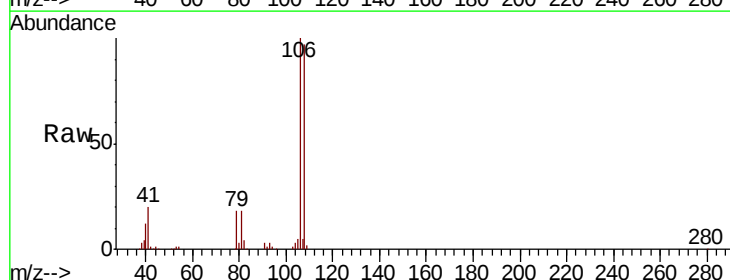
Tgt Ion: 108 Resp: 375788

Ion Ratio Lower Upper

108 100

106 105.8 86.0 129.0

79 19.5 14.5 21.7



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

3.79

300000

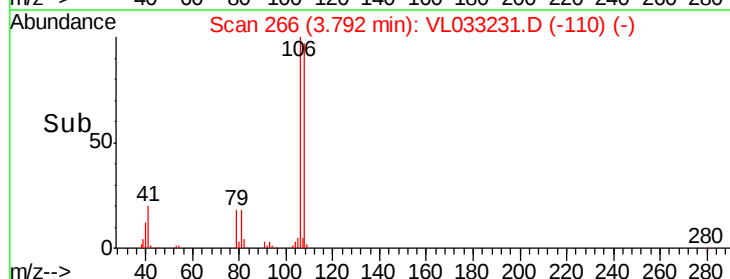
200000

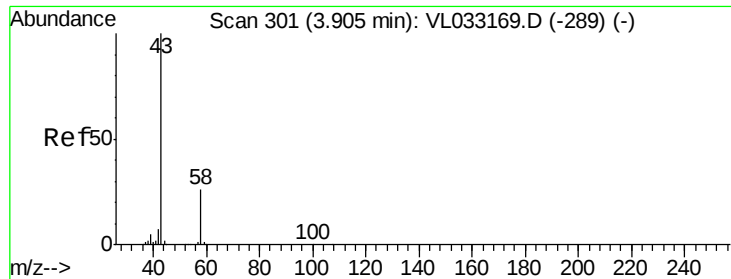
100000

0

Time-->

3.75 3.80 3.85





#15

Acetone

Concen: 9.347 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033231.D

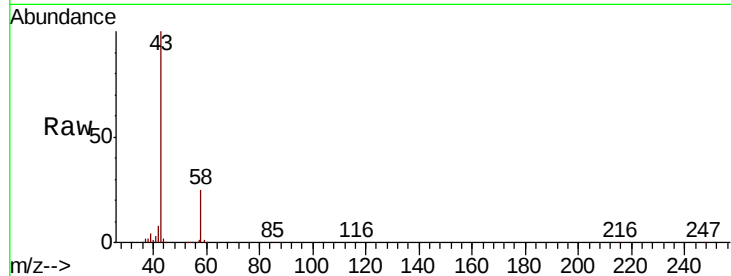
Acq: 15 Feb 2019 14:12

Tot Ion: 43 Resp: 855789

Ion Ratio Lower Upper

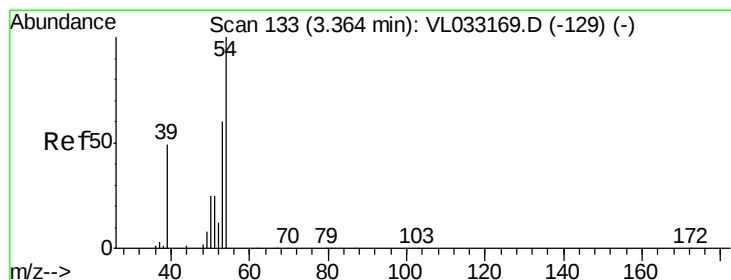
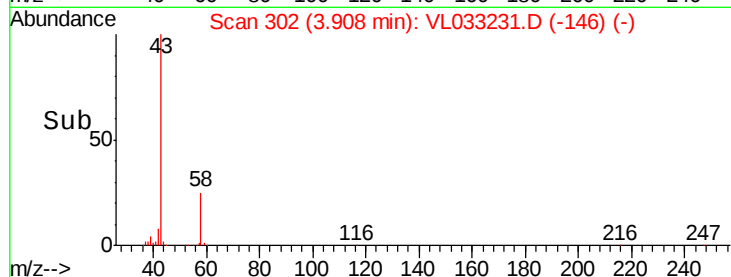
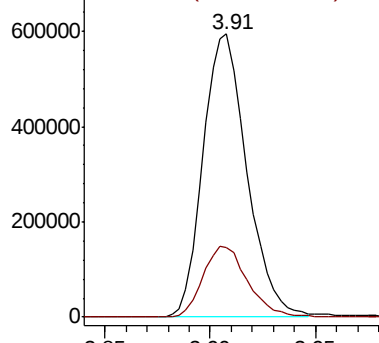
43 100

58 25.8 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.902 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033231.D

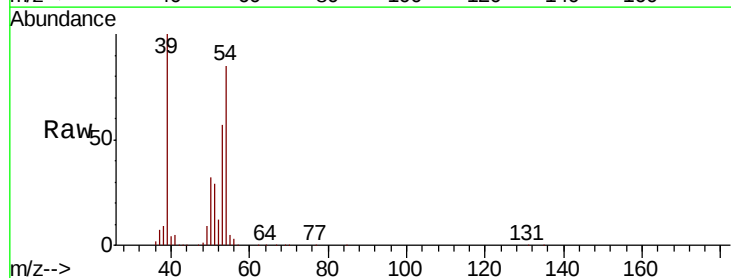
Acq: 15 Feb 2019 14:12

Tgt Ion: 39 Resp: 430331

Ion Ratio Lower Upper

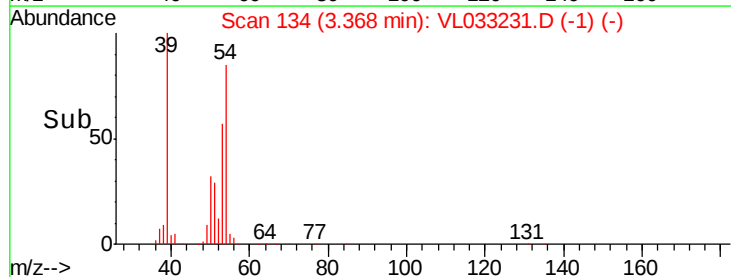
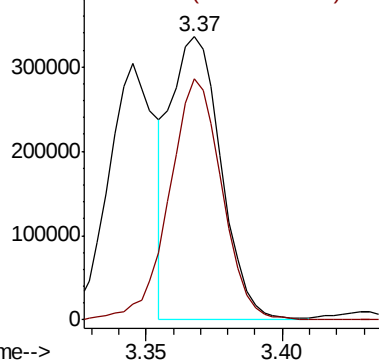
39 100

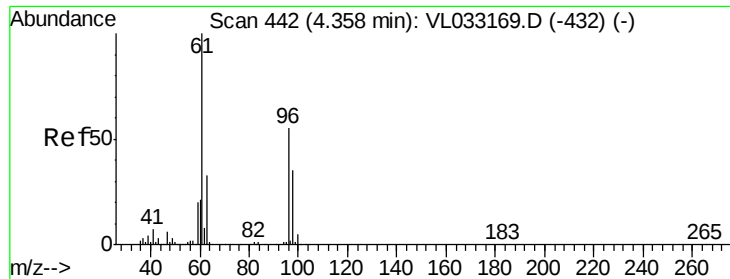
54 89.1 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.006 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033231.D

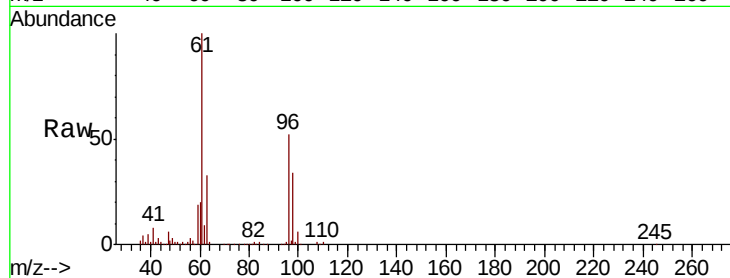
Acq: 15 Feb 2019 14:12

Tot Ion: 59 Resp: 158395

Ion Ratio Lower Upper

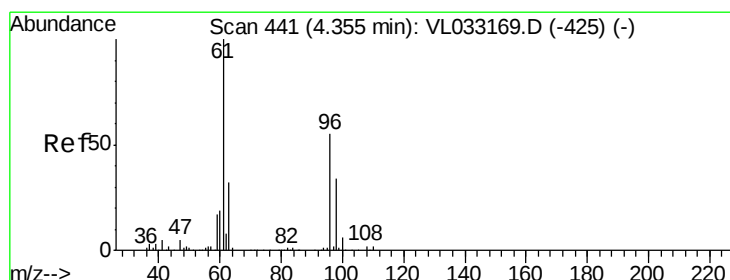
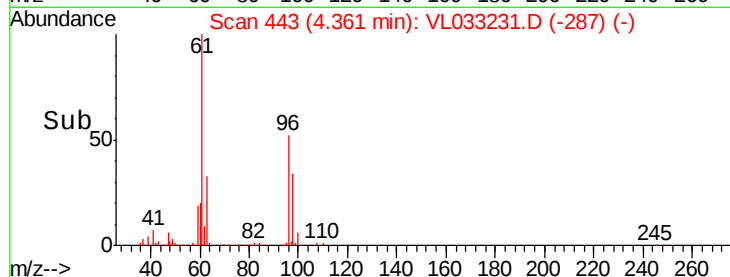
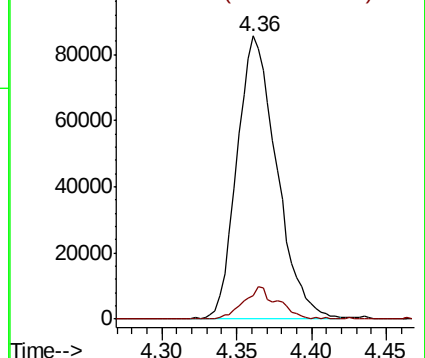
59 100

57 10.1 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.730 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

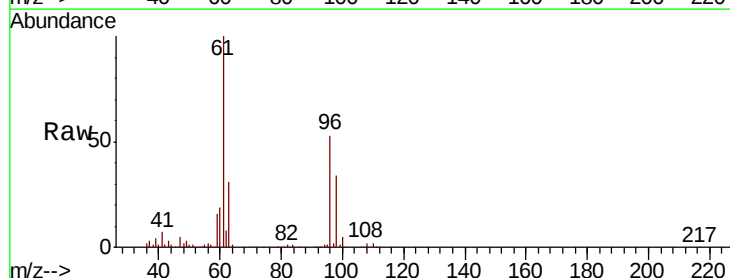
Tgt Ion: 96 Resp: 379696

Ion Ratio Lower Upper

96 100

61 189.2 145.0 217.6

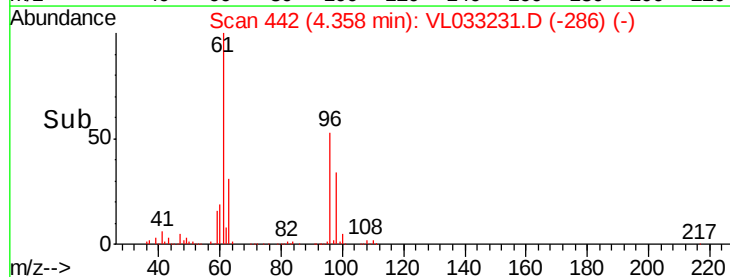
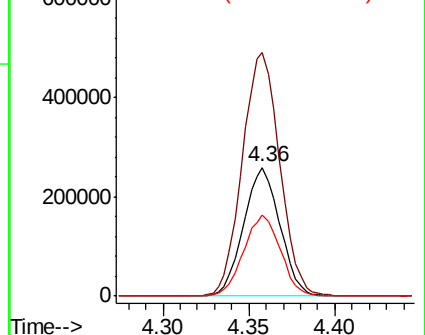
98 63.4 50.0 75.0

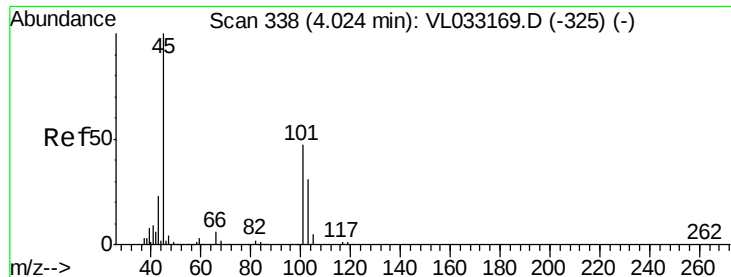


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.594 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.00 min

Lab File: VL033231.D

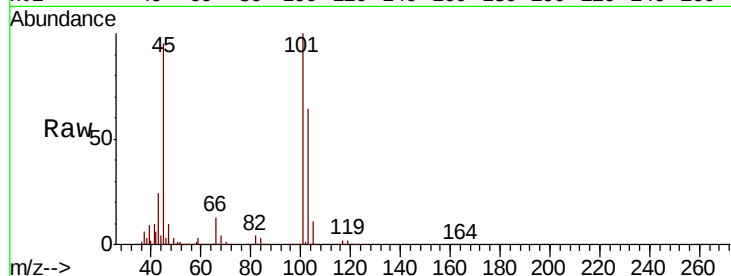
Acq: 15 Feb 2019 14:12

Tot Ion: 45 Resp: 533661

Ion Ratio Lower Upper

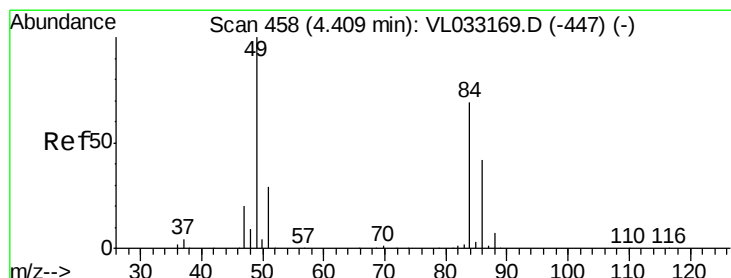
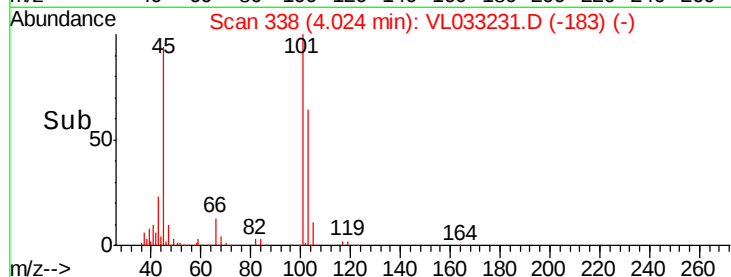
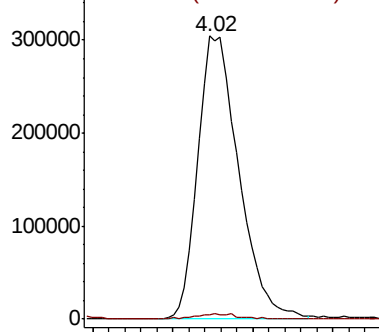
45 100

58 2.3 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.915 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 84 Resp: 324683

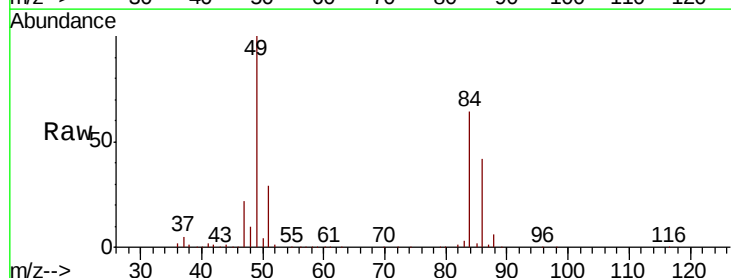
Ion Ratio Lower Upper

84 100

49 154.5 115.8 173.8

51 44.3 33.0 49.6

86 65.5 48.2 72.2

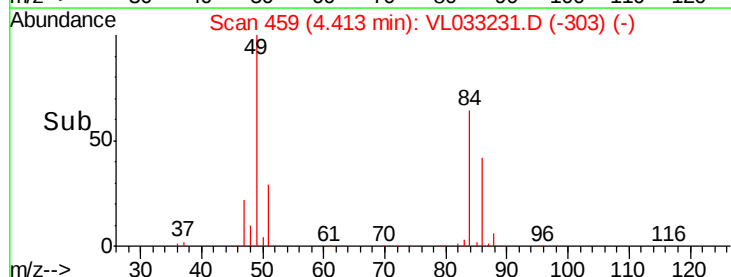
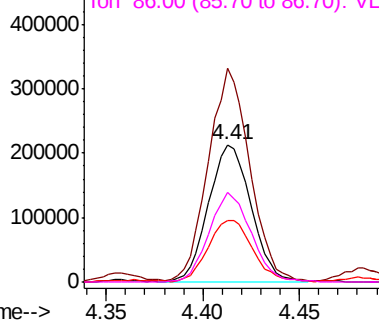


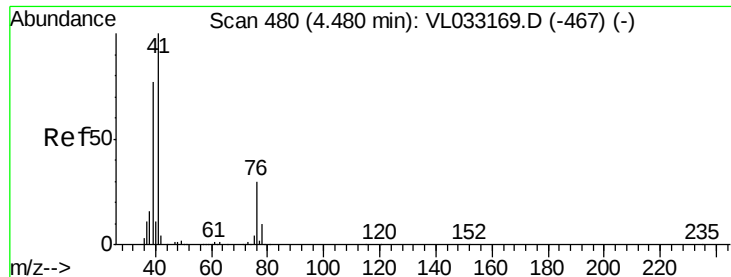
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

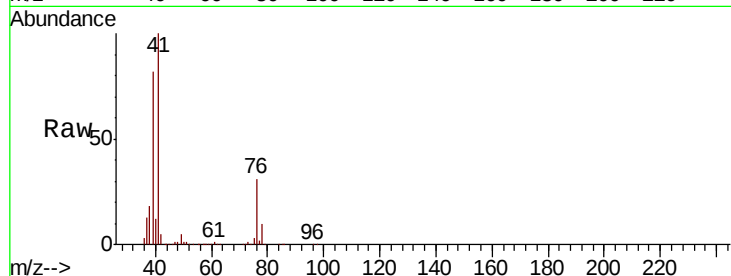
Ion 86.00 (85.70 to 86.70): VL0



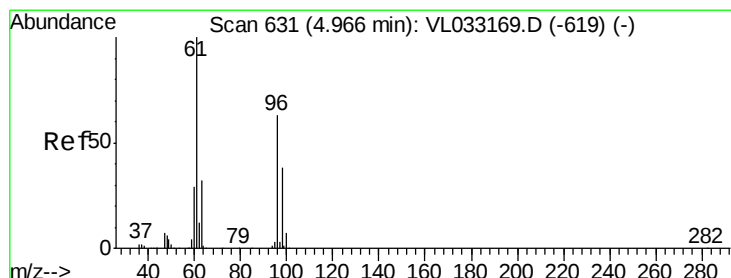
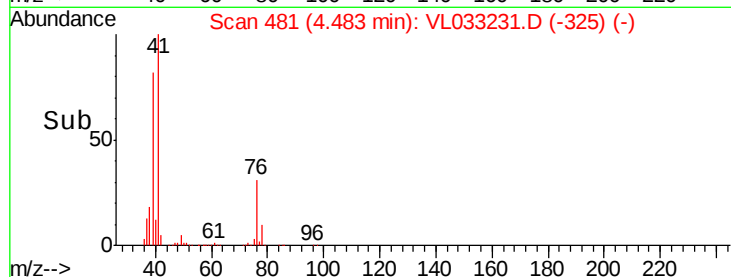
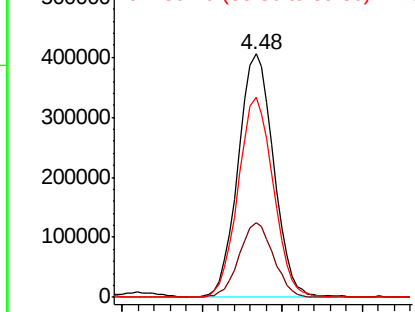


#21
Allvl Chloride
Concen: 10.039 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.5	36.7
39	81.7	64.1	96.1

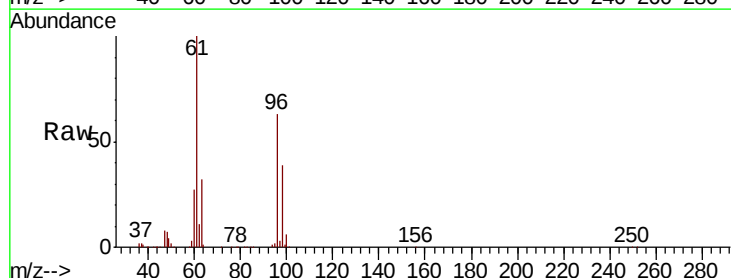


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

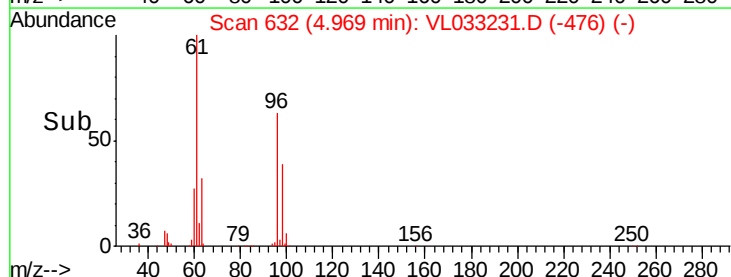
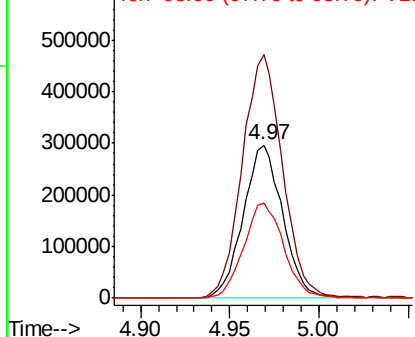


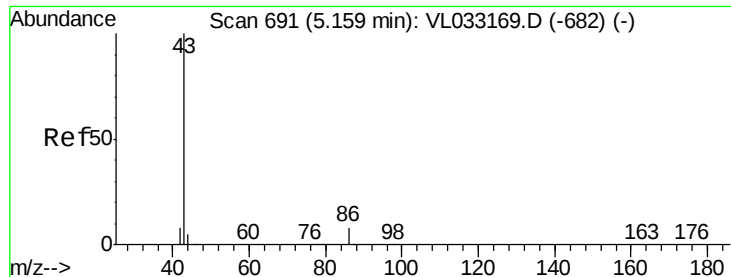
#22
trans-1,2-Dichloroethene
Concen: 12.063 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	126.4	189.6
98	62.0	48.4	72.6



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





#23

Vinyl Acetate

Concen: 11.444 ppbv

RT: 5.16 min Scan# 692

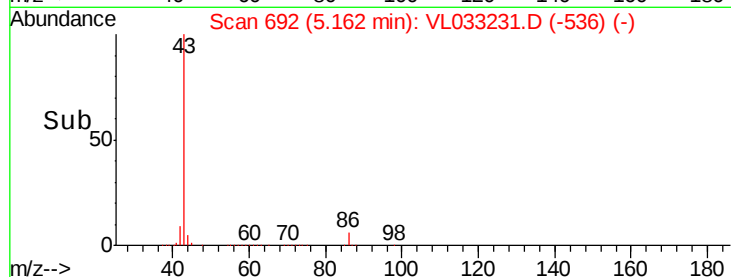
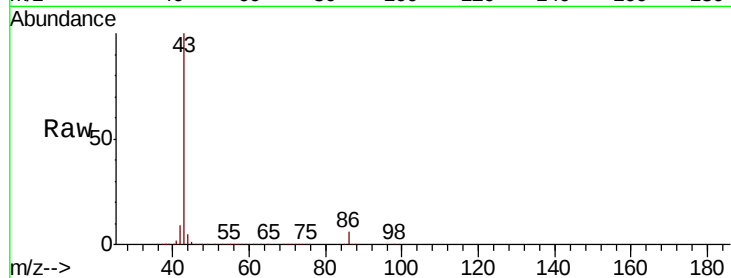
Delta R.T. 0.00 min

Lab File: VL033231.D

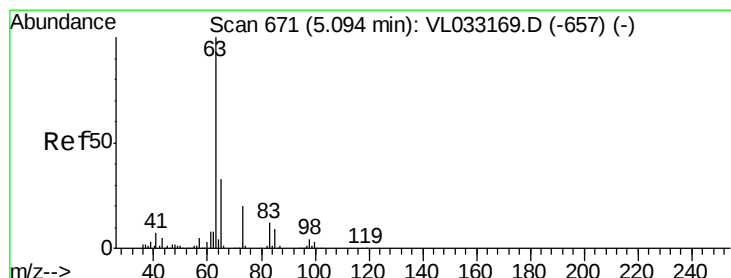
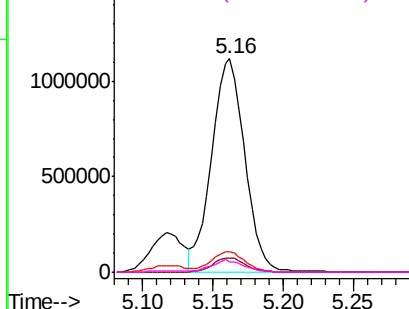
Acq: 15 Feb 2019 14:12

Tot Ion: 43 Resp: 1815971

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.8	8.8
42	9.4	7.4	11.0
44	4.9	3.7	5.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.997 ppbv

RT: 5.10 min Scan# 672

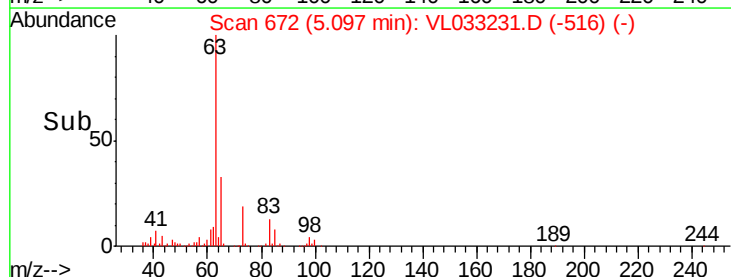
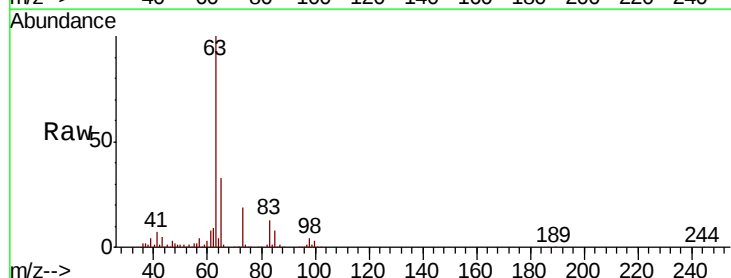
Delta R.T. 0.00 min

Lab File: VL033231.D

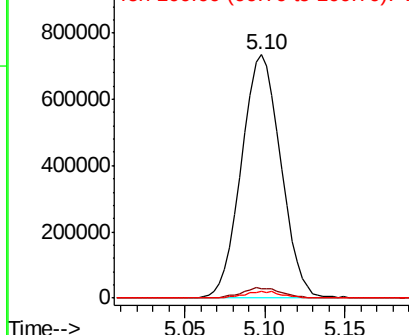
Acq: 15 Feb 2019 14:12

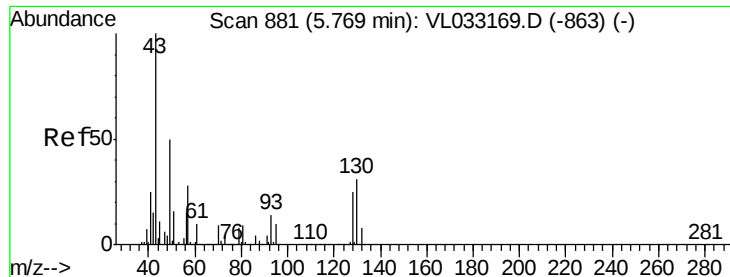
Tgt Ion: 63 Resp: 1234300

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.7	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

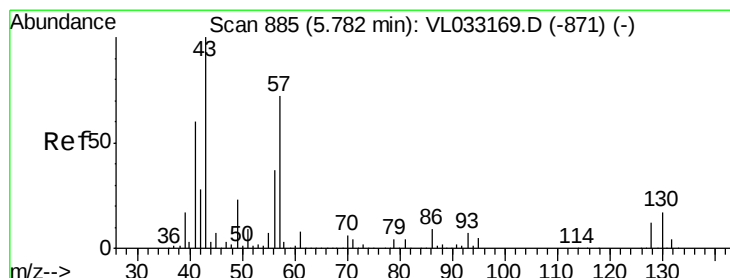
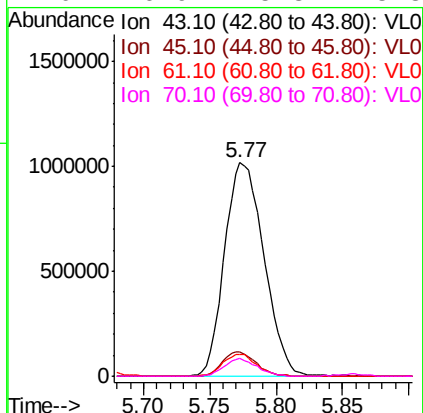
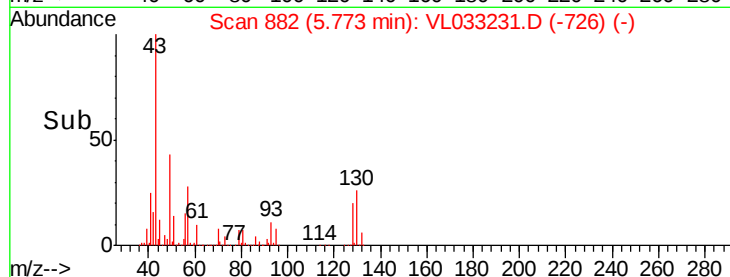
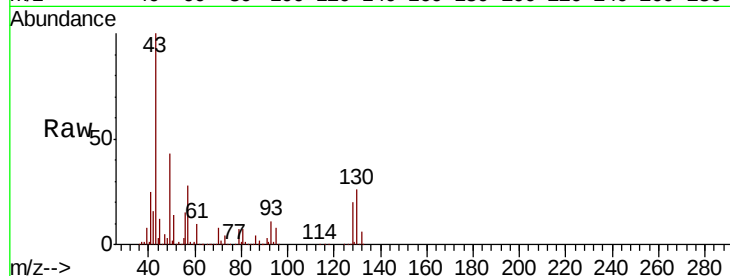




#25
Ethyl Acetate
Concen: 10.210 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tot Ion: 43 Resp: 2101796

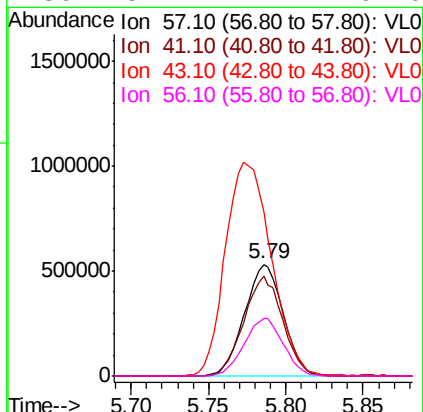
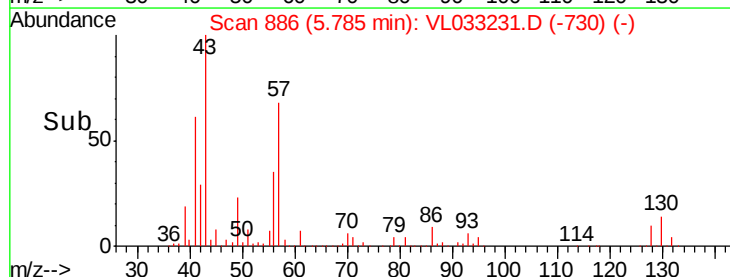
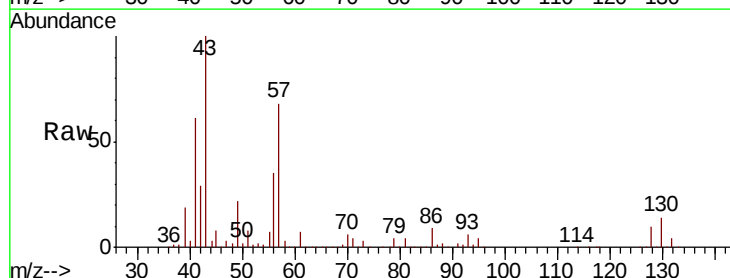
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	8.9	7.5	11.3
70	6.9	5.8	8.8

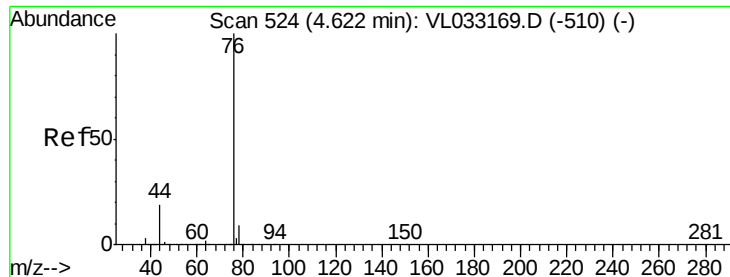


#26
Hexane
Concen: 9.556 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tgt Ion: 57 Resp: 923463

Ion	Ratio	Lower	Upper
57	100		
41	90.1	69.4	104.2
43	229.1	176.7	265.1
56	52.2	41.4	62.0





#27

Carbon Disulfide

Concen: 10.808 ppbv

RT: 4.62 min Scan# 525

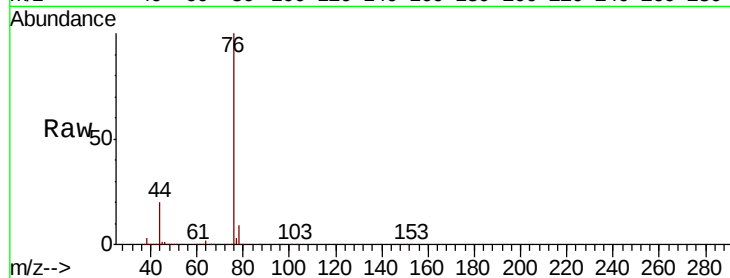
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion: 76 Resp: 956851

Ion	Ratio	Lower	Upper
76	100		
44	19.0	15.0	22.4
78	9.0	7.4	11.0

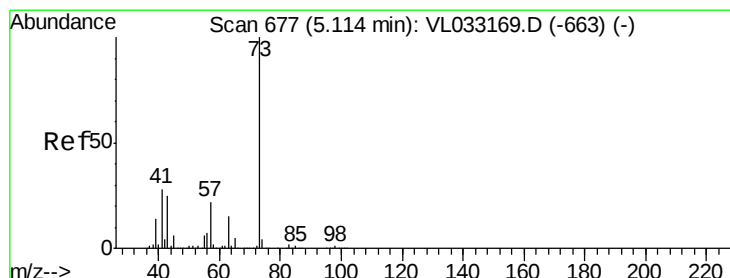
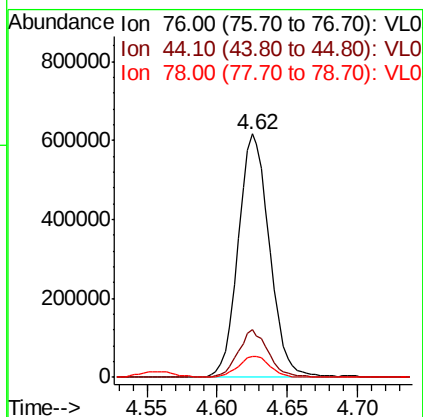
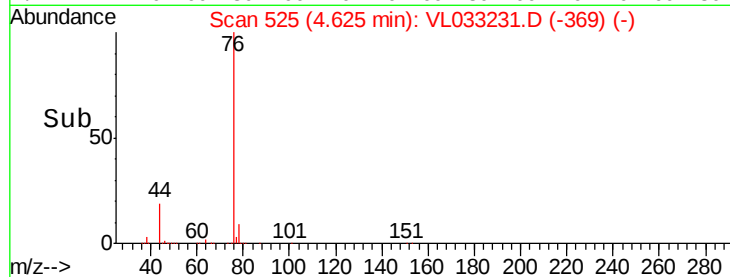


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.656 ppbv

RT: 5.12 min Scan# 678

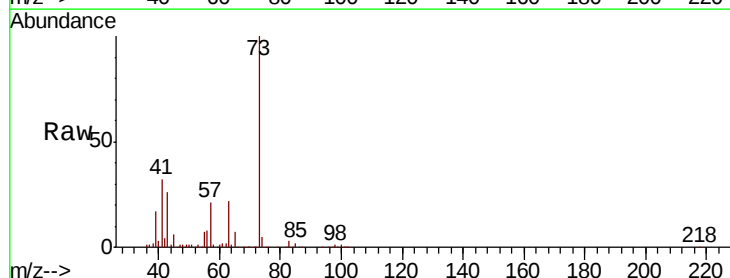
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 73 Resp: 1407150

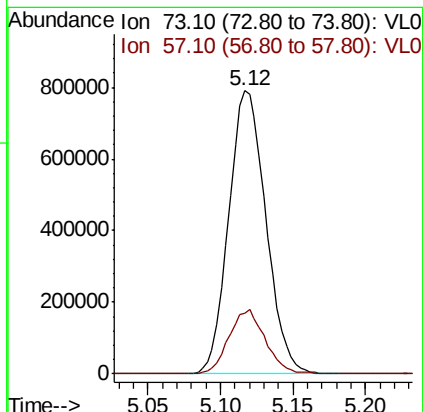
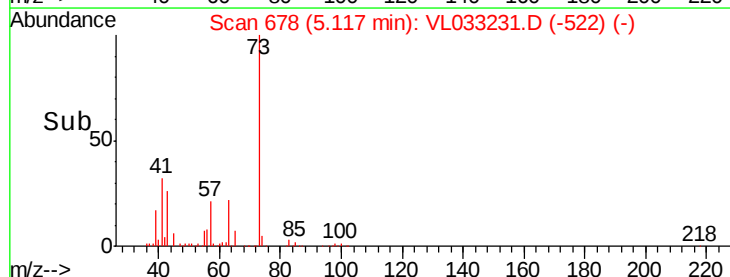
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

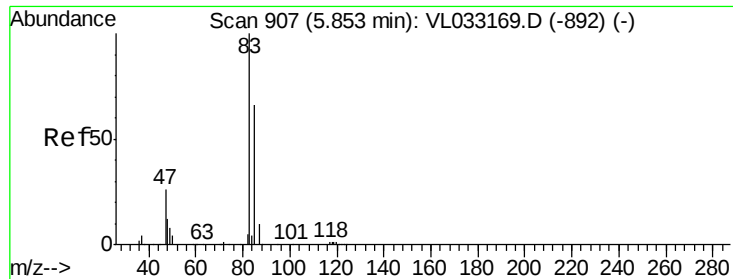


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.343 ppbv

RT: 5.86 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL033231.D

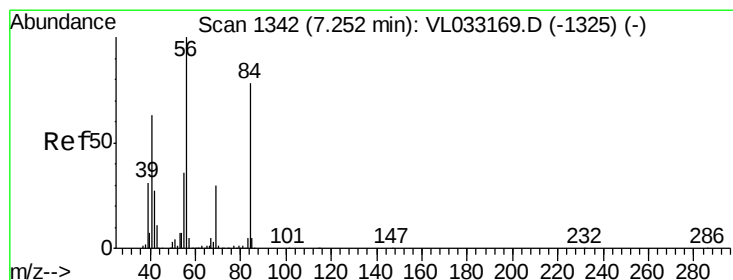
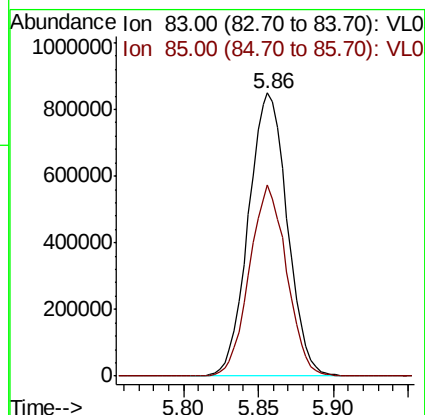
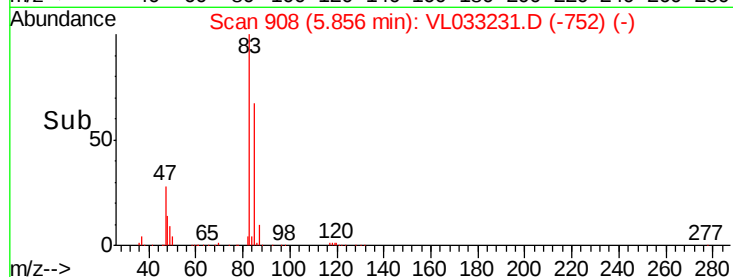
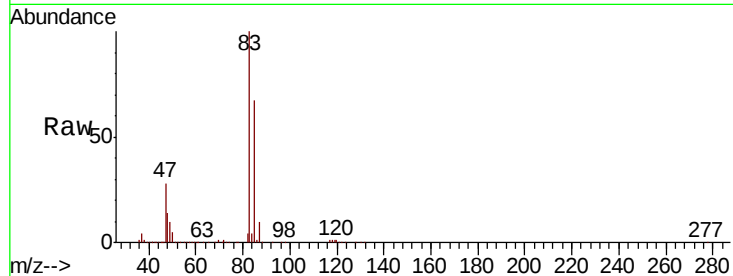
Acq: 15 Feb 2019 14:12

Tot Ion: 83 Resp: 1531737

Ion Ratio Lower Upper

83 100

85 67.2 52.6 78.8



#30

Cyclohexane

Concen: 8.594 ppbv

RT: 7.25 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

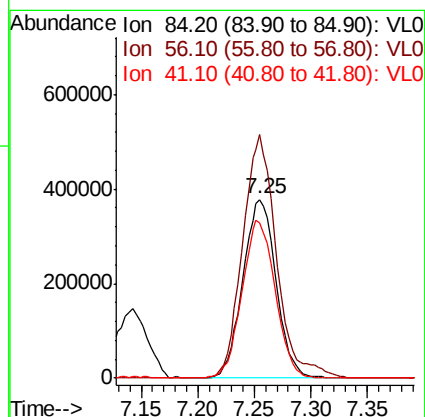
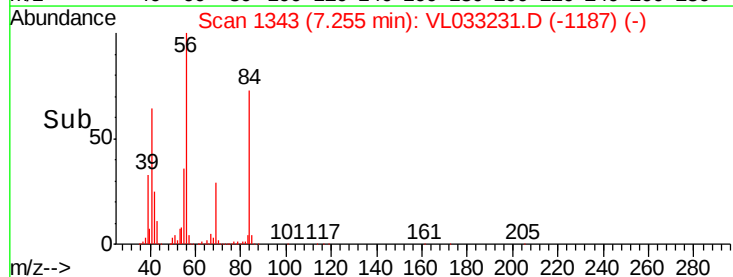
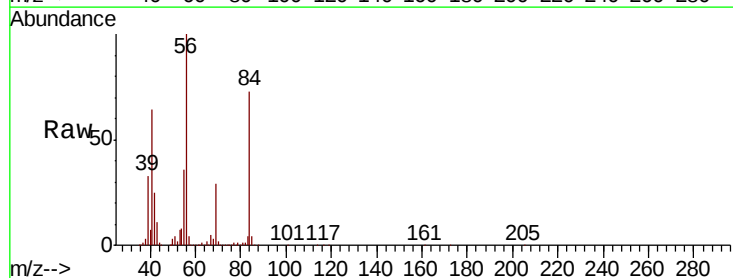
Tgt Ion: 84 Resp: 770580

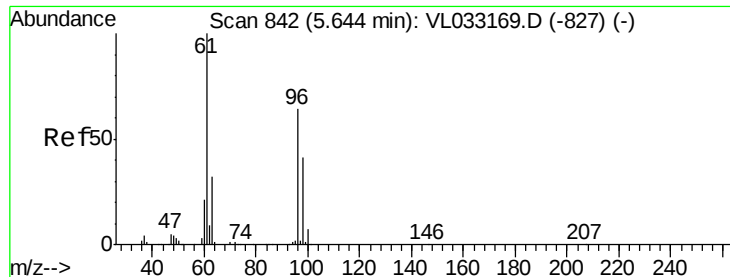
Ion Ratio Lower Upper

84 100

56 139.4 109.5 164.3

41 88.6 66.6 100.0

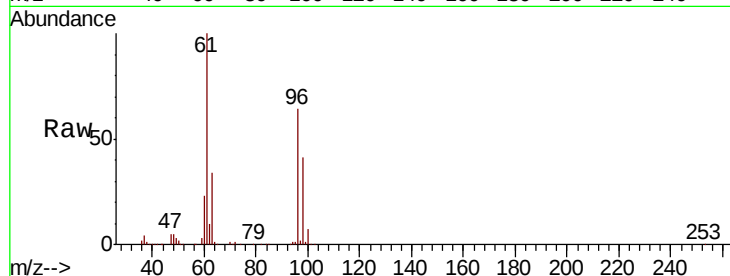




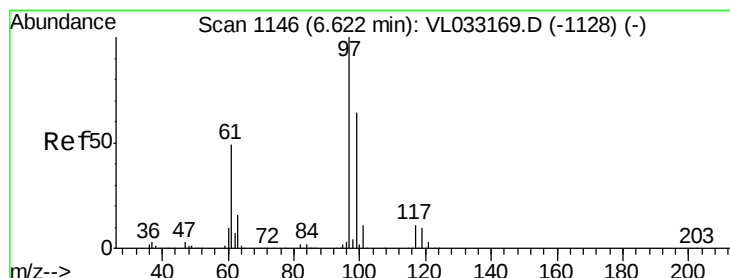
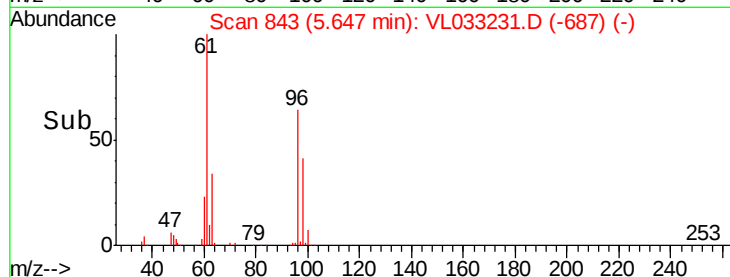
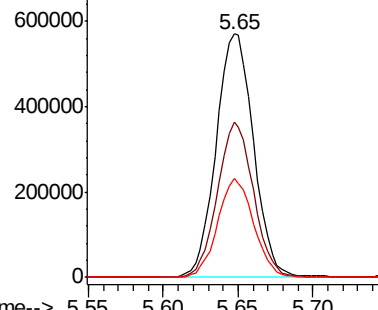
#31

cis-1,2-Dichloroethene
 Concen: 10.269 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.6	51.2	76.8
98	40.8	32.8	49.2



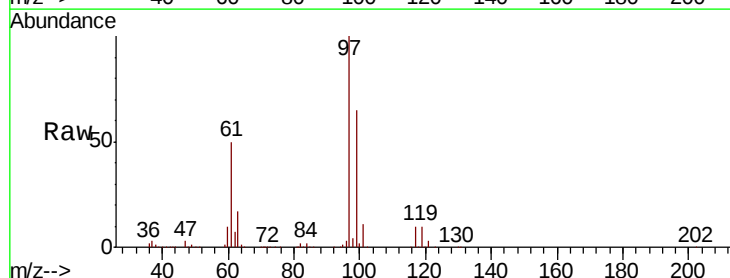
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



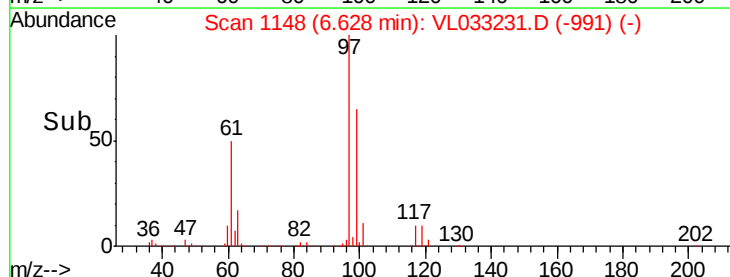
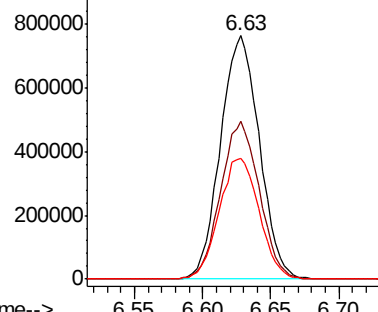
#32

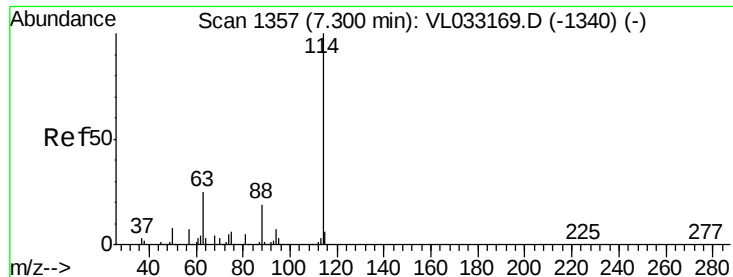
1,1,1-Trichloroethane
 Concen: 9.279 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	51.1	38.8	58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

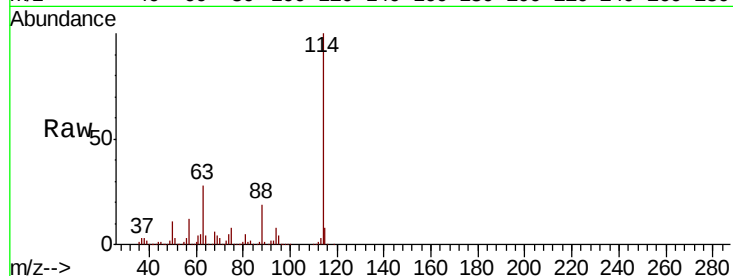
Tot Ion:114 Resp: 1812438

Ion Ratio Lower Upper

114 100

63 27.7 20.8 31.2

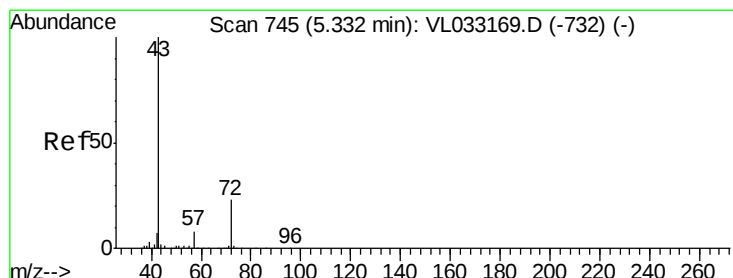
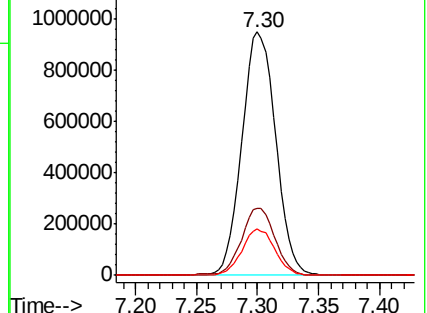
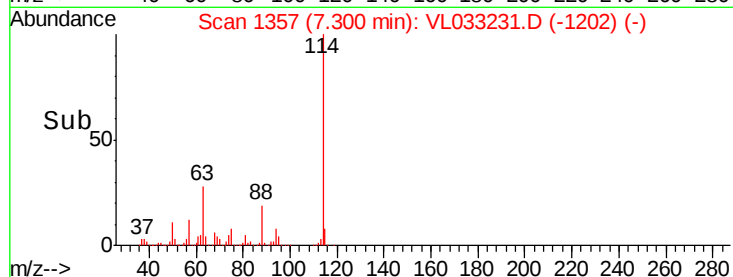
88 18.4 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 12.473 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.00 min

Lab File: VL033231.D

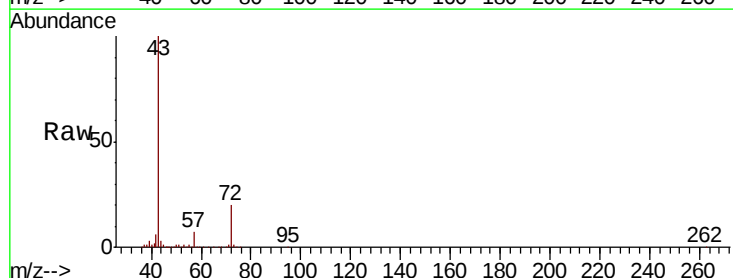
Acq: 15 Feb 2019 14:12

Tgt Ion: 43 Resp: 1433997

Ion Ratio Lower Upper

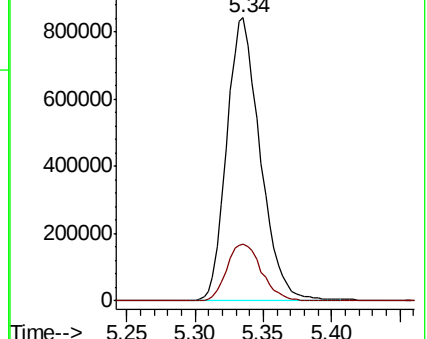
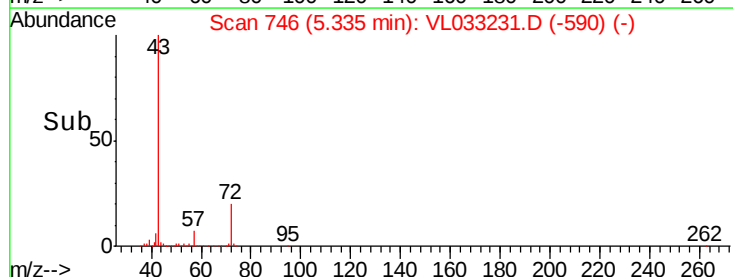
43 100

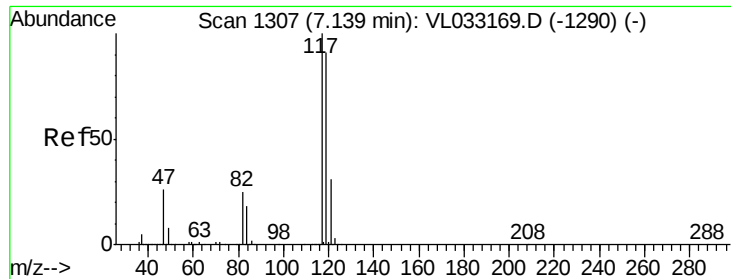
72 21.1 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.420 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

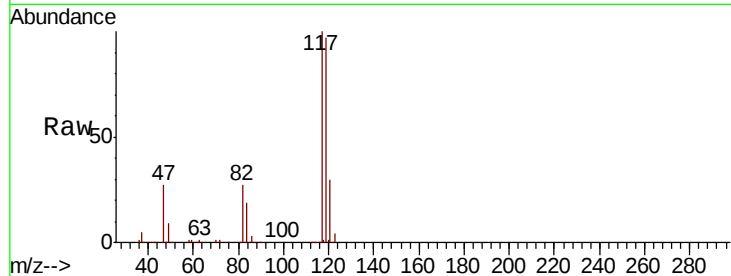
Tot Ion:117 Resp: 1580789

Ion Ratio Lower Upper

117 100

119 96.6 73.0 109.6

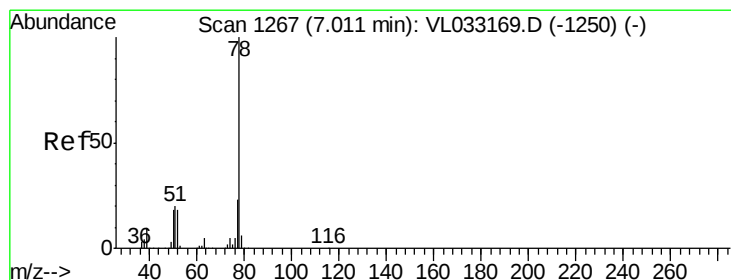
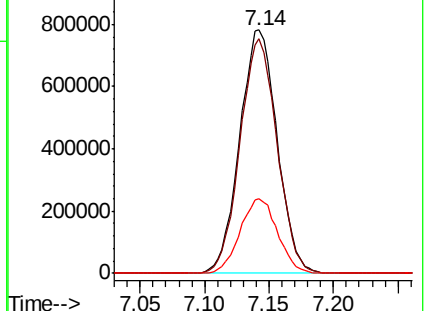
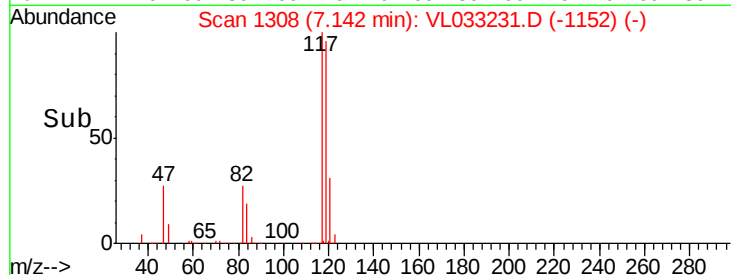
121 30.4 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.373 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

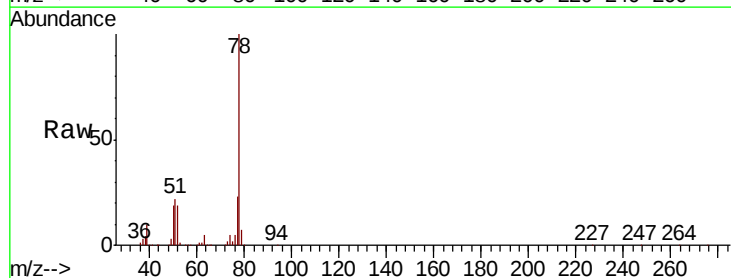
Tgt Ion: 78 Resp: 1905344

Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

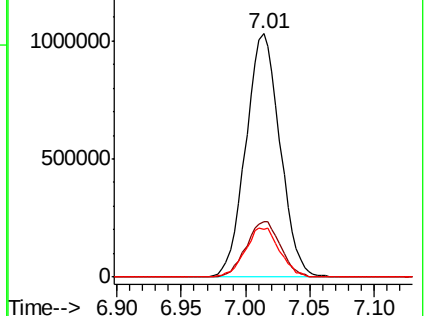
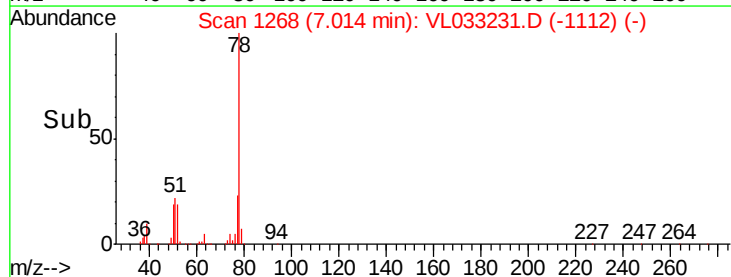
50 19.4 14.2 21.2

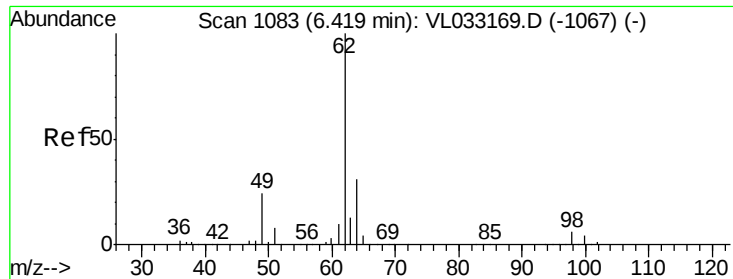


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

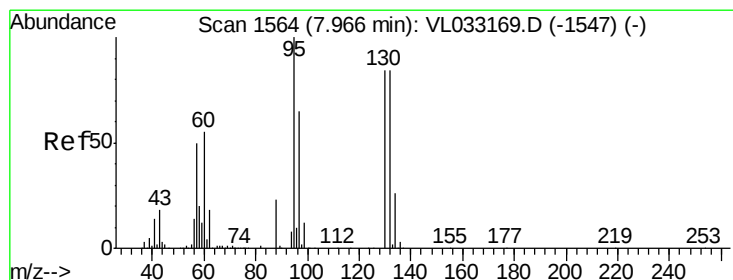
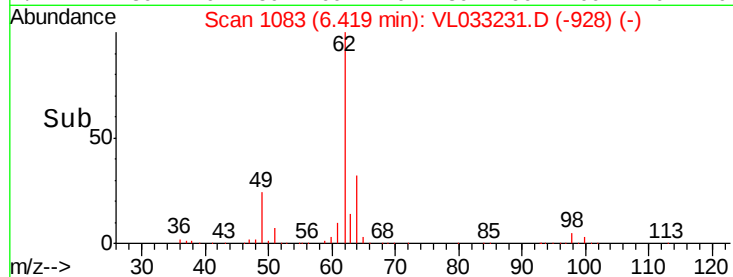
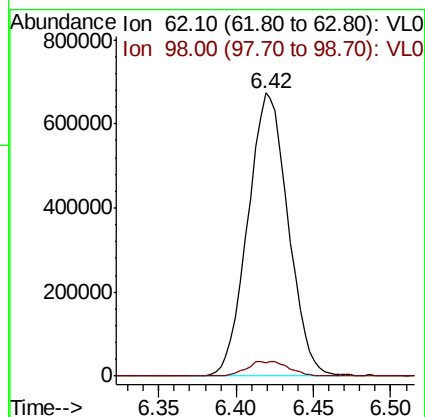
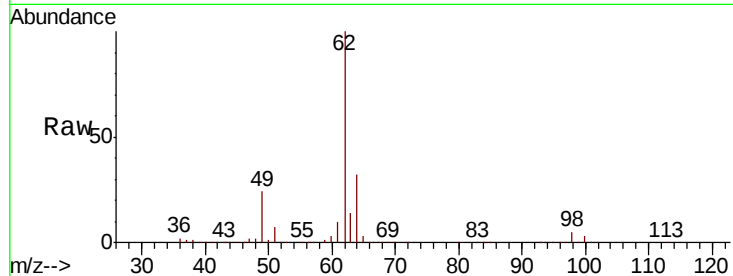
Ion 50.10 (49.80 to 50.80): VL0





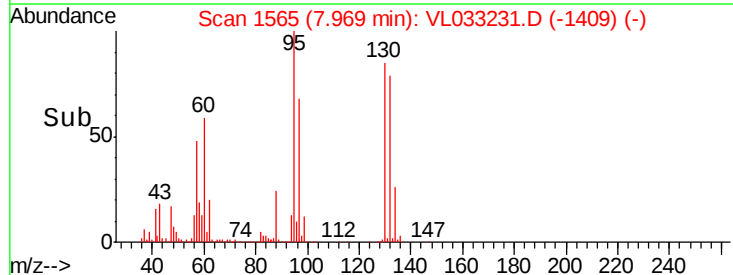
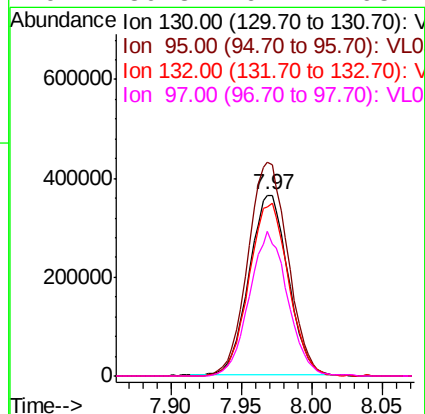
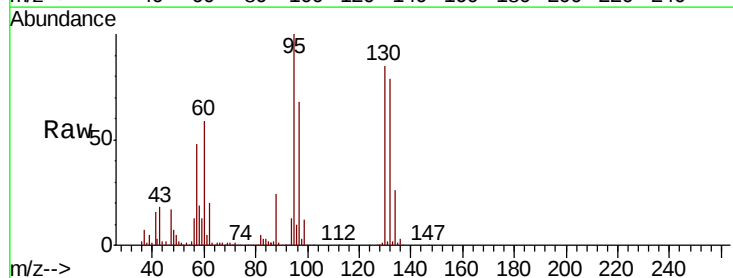
#37
 1,2-Dichloroethane
 Concen: 12.003 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

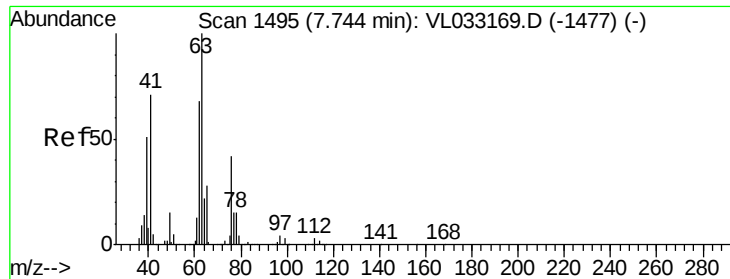
Tot Ion: 62 Resp: 1221910
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.7 7.1



#38
 Trichloroethene
 Concen: 9.071 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tgt Ion: 130 Resp: 711998
 Ion Ratio Lower Upper
 130 100
 95 118.4 95.5 143.3
 132 93.2 80.0 120.0
 97 80.3 62.2 93.2





#39

1,2-Dichloropropane

Concen: 10.290 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

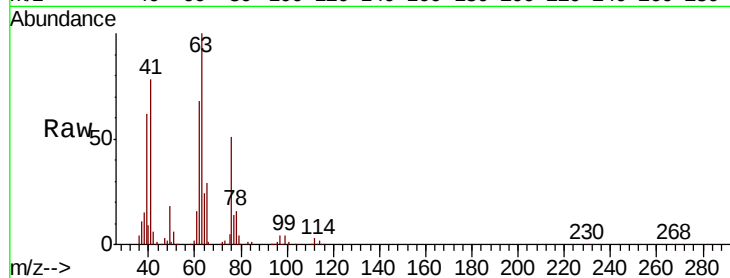
Tot Ion: 63 Resp: 746451

Ion Ratio Lower Upper

63 100

41 77.5 56.4 84.6

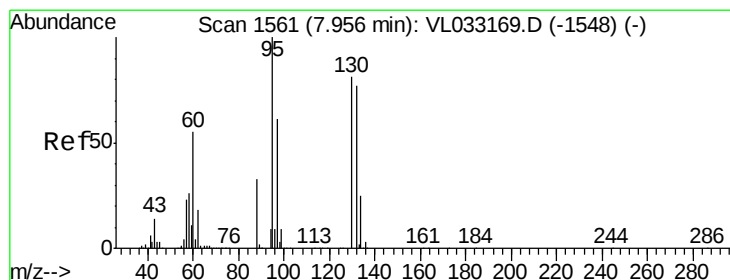
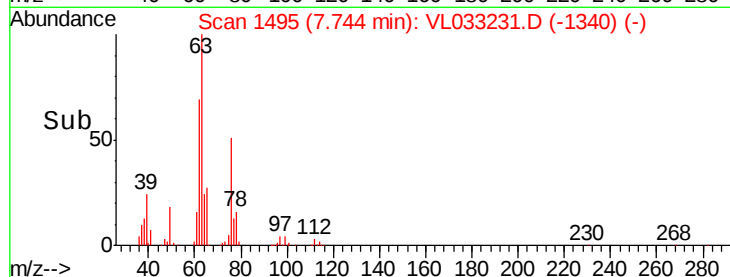
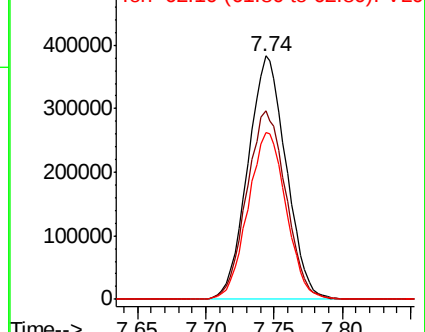
62 68.3 54.2 81.4



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: 9.717 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 88 Resp: 250285

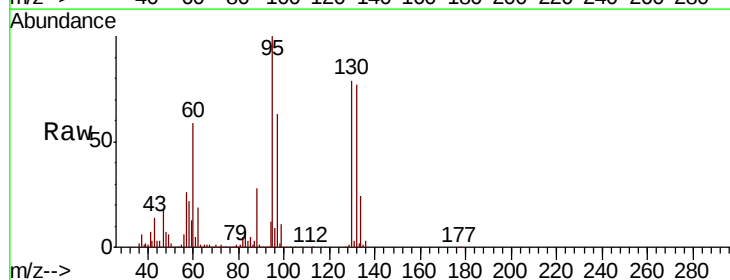
Ion Ratio Lower Upper

88 100

58 136.2 106.4 159.6

43 0.0 219.6 329.4#

57 0.0 993.3 1489.9#

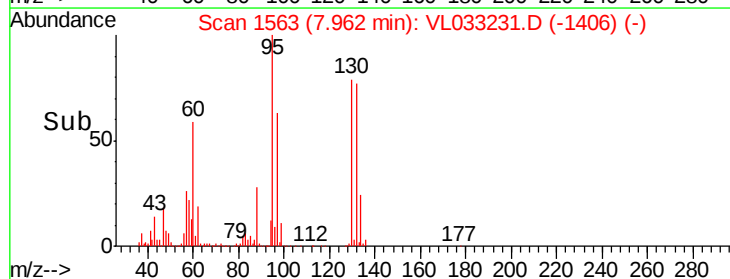
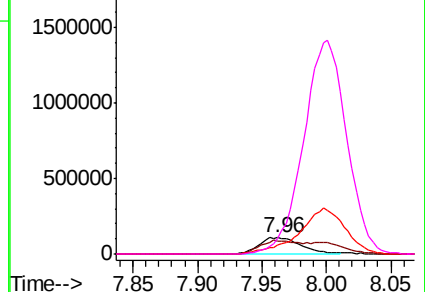


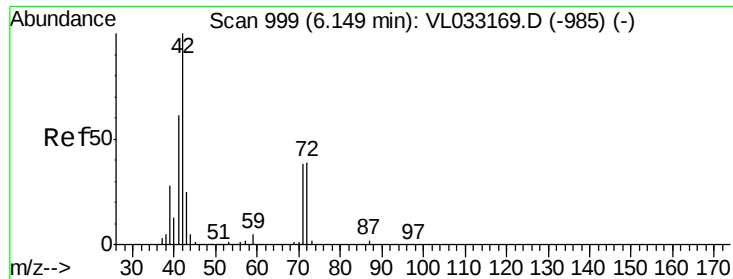
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.287 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

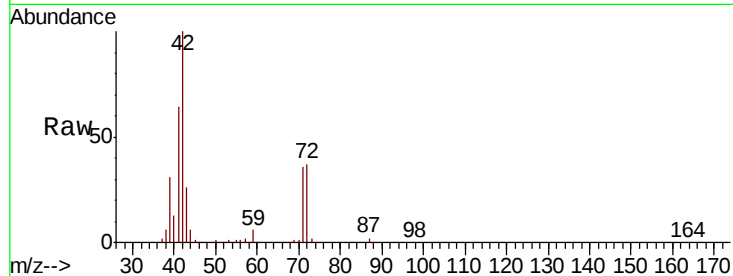
Tot Ion: 42 Resp: 802137

Ion Ratio Lower Upper

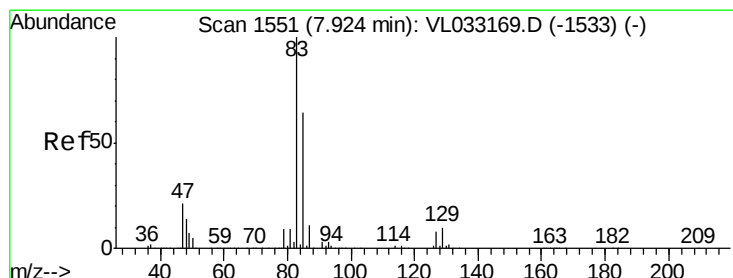
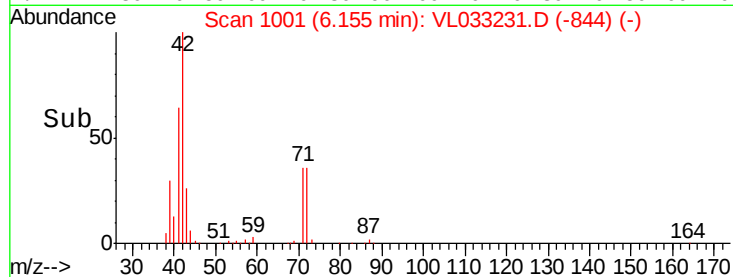
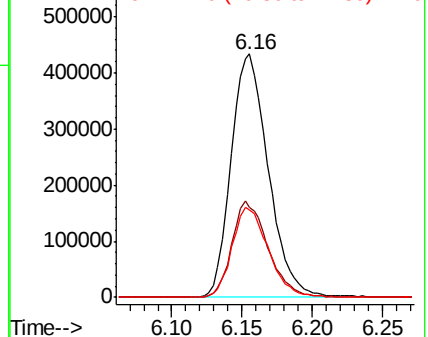
42 100

72 38.6 31.4 47.2

71 36.1 30.2 45.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.593 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

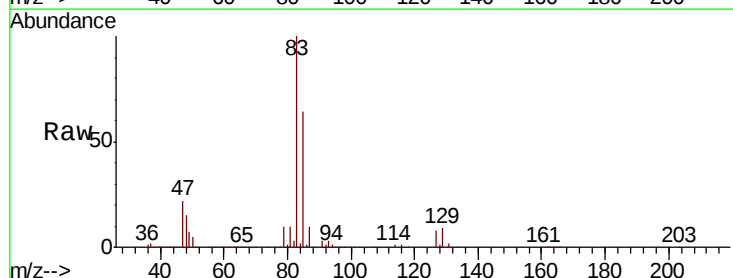
Tgt Ion: 83 Resp: 1710248

Ion Ratio Lower Upper

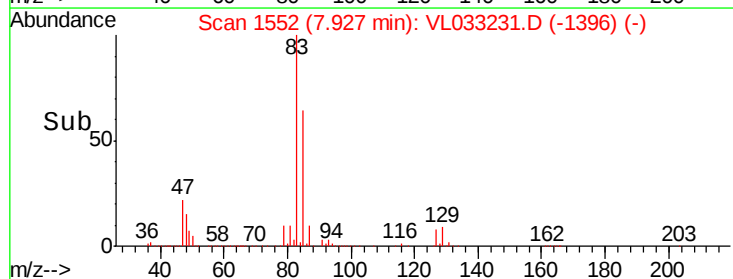
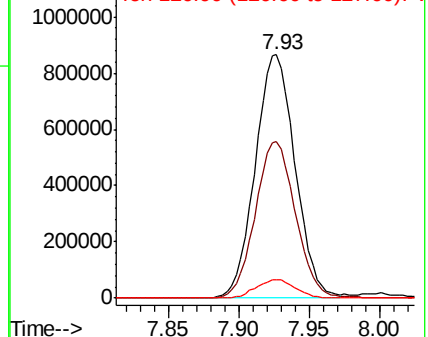
83 100

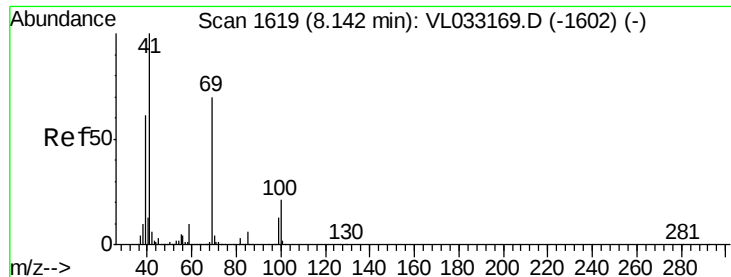
85 64.2 51.1 76.7

127 7.7 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.959 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

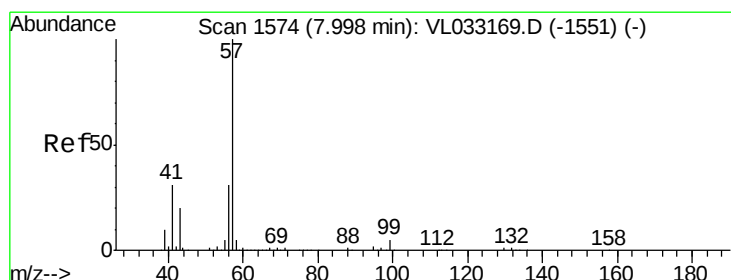
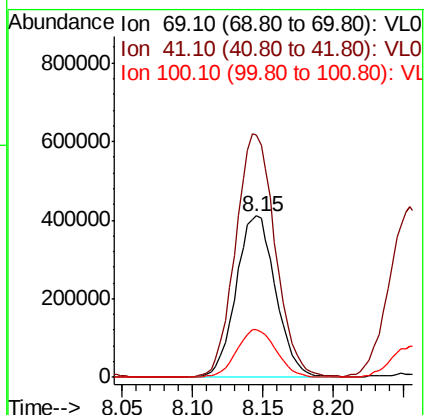
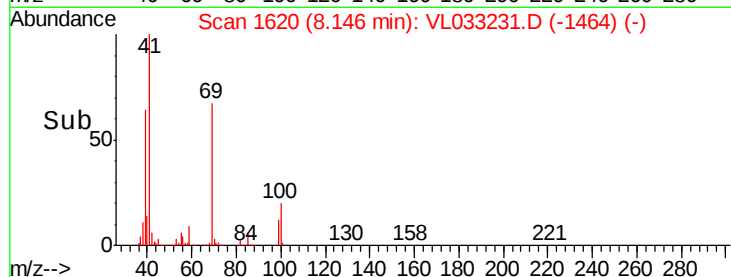
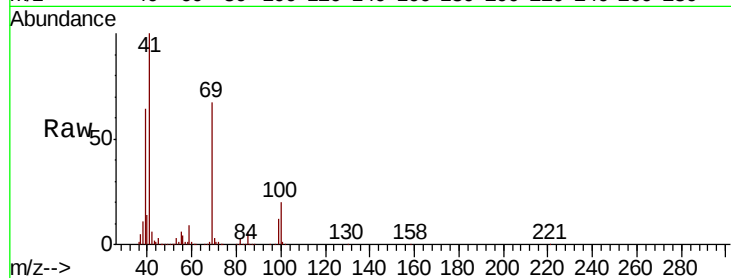
Tot Ion: 69 Resp: 808157

Ion Ratio Lower Upper

69 100

41 151.0 117.1 175.7

100 29.6 25.0 37.6



#44

2,2,4-Trimethylpentane

Concen: 10.558 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

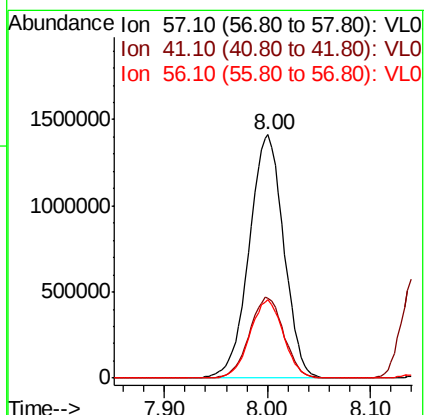
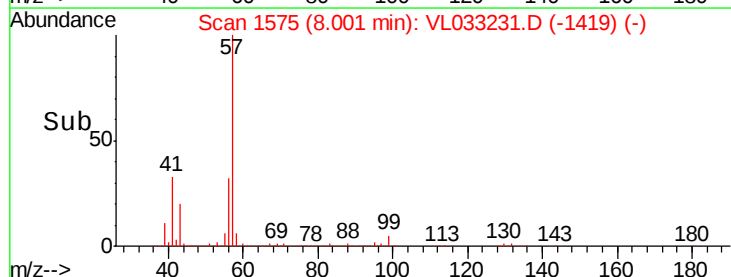
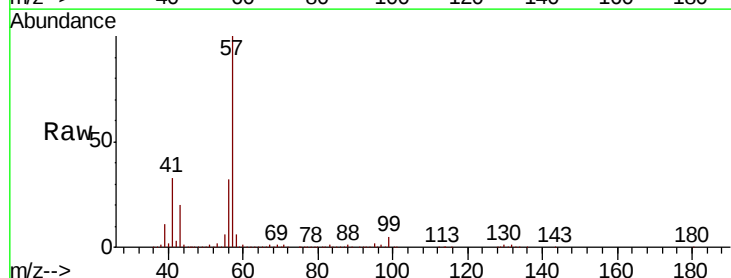
Tgt Ion: 57 Resp: 3286398

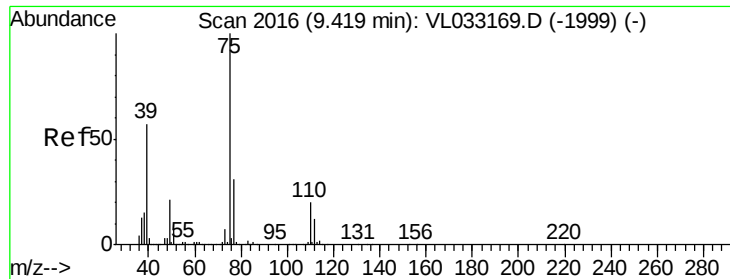
Ion Ratio Lower Upper

57 100

41 32.9 25.2 37.8

56 31.1 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 13.090 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.01 min

Lab File: VL033231.D

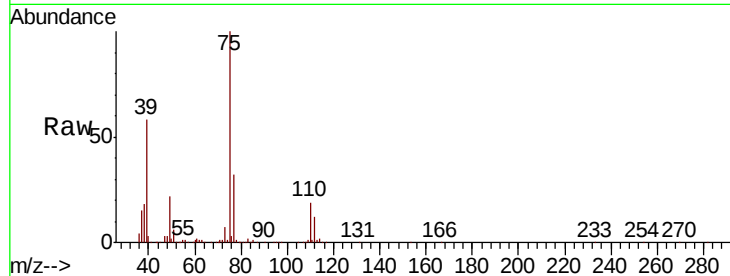
Acq: 15 Feb 2019 14:12

Tot Ion: 75 Resp: 1068978

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

500000

400000

300000

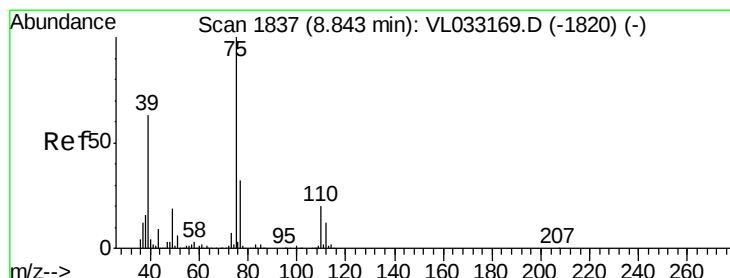
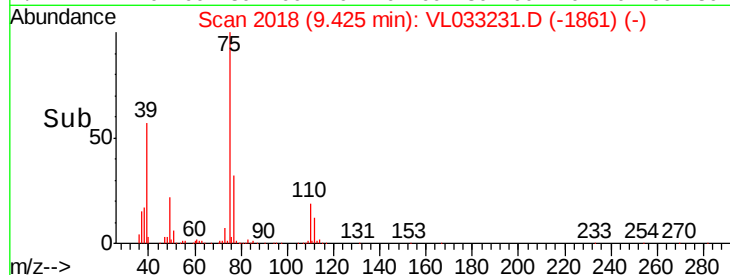
200000

100000

0

9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.567 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

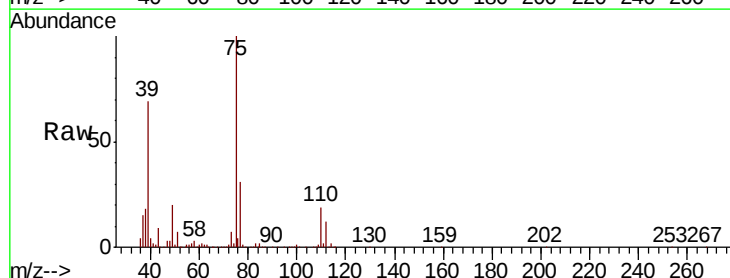
Tgt Ion: 75 Resp: 1207024

Ion Ratio Lower Upper

75 100

39 68.9 50.1 75.1

77 30.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

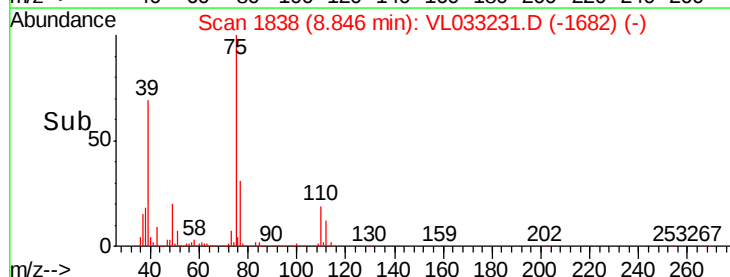
400000

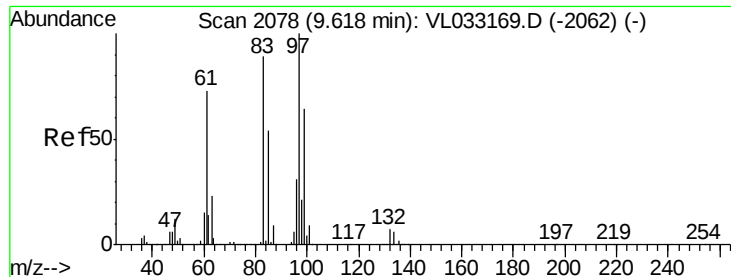
200000

0

8.75 8.80 8.85 8.90

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.474 ppbv

RT: 9.62 min Scan# 2080

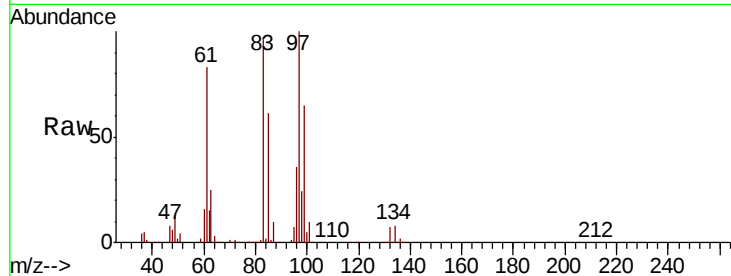
Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion: 97 Resp: 787986

Ion	Ratio	Lower	Upper
97	100		
83	97.5	71.4	107.2
85	60.7	43.5	65.3
99	65.1	51.4	77.0

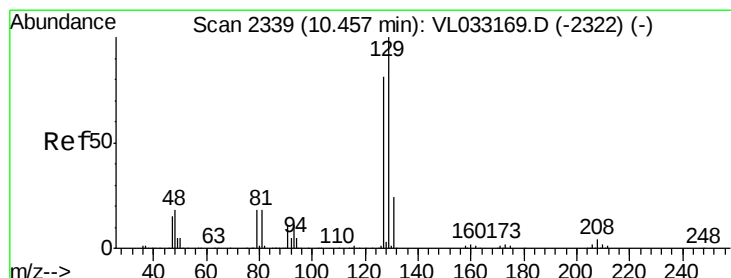
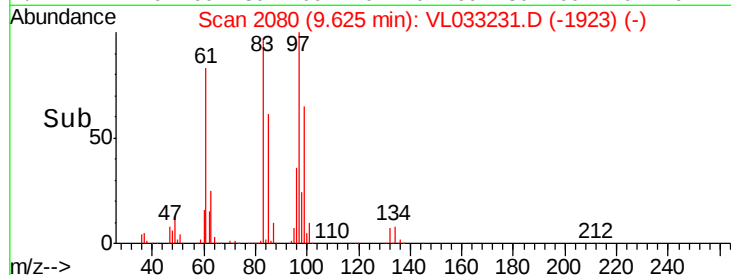
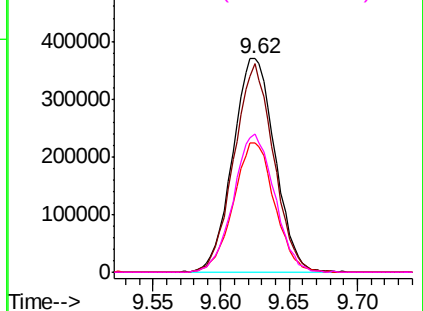


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.098 ppbv

RT: 10.46 min Scan# 2340

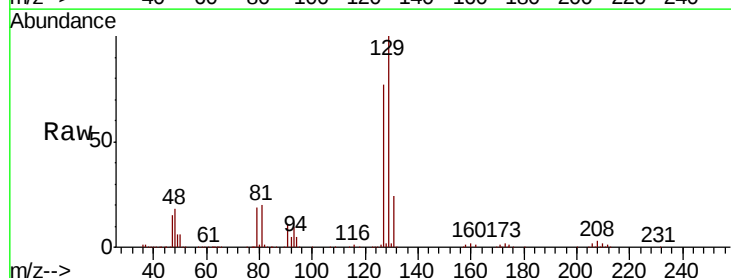
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

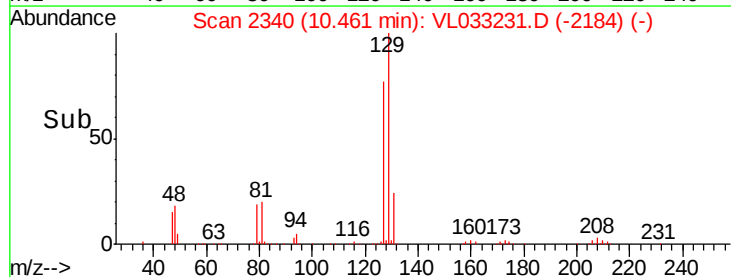
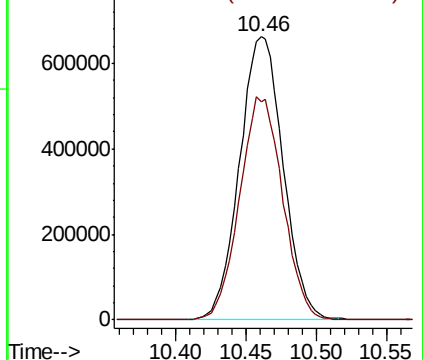
Tgt Ion: 129 Resp: 1433880

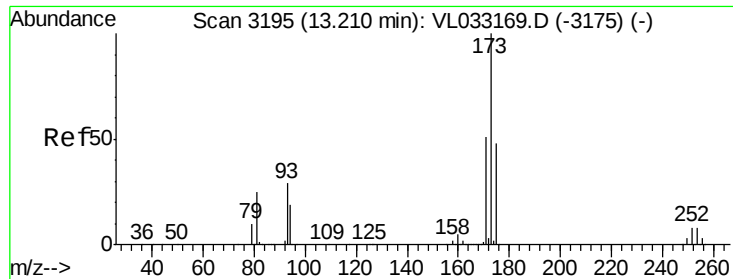
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.493 ppbv

RT: 13.21 min Scan# 3196

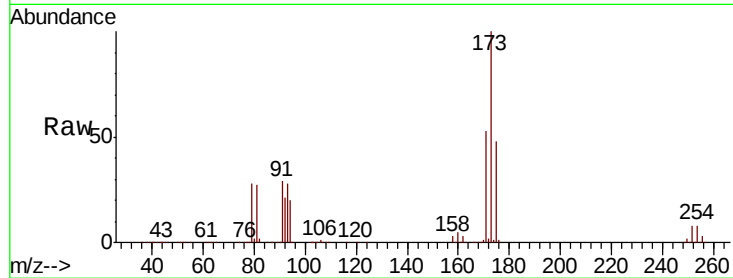
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion:173 Resp: 1274067

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.6	41.6	62.4

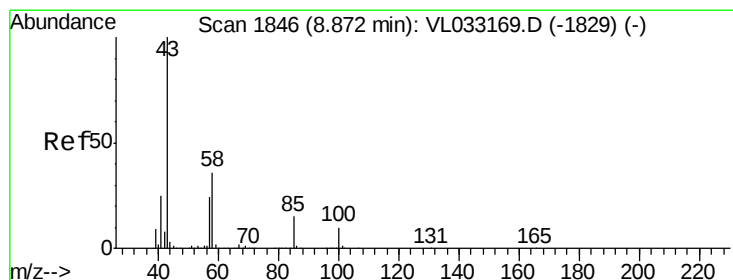
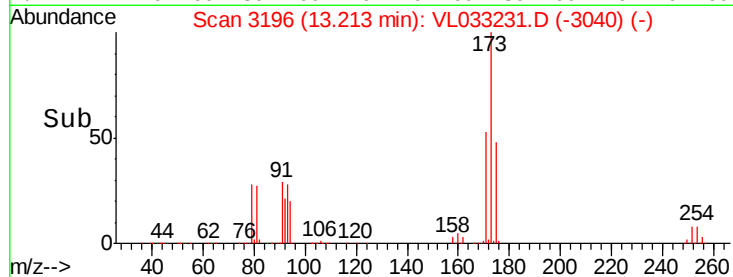
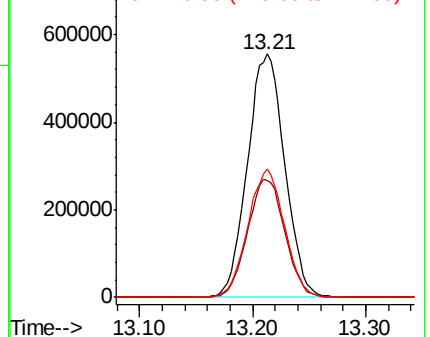


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.190 ppbv

RT: 8.88 min Scan# 1848

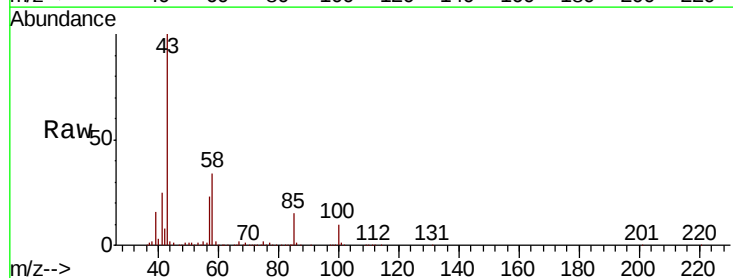
Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 43 Resp: 2062899

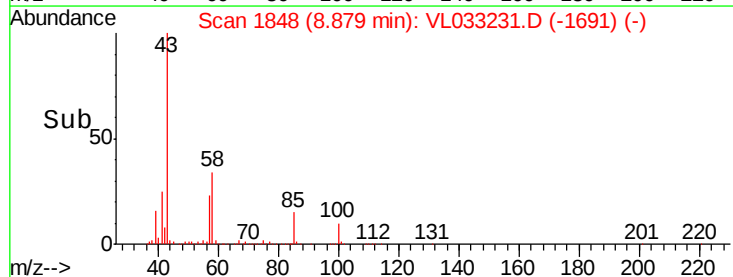
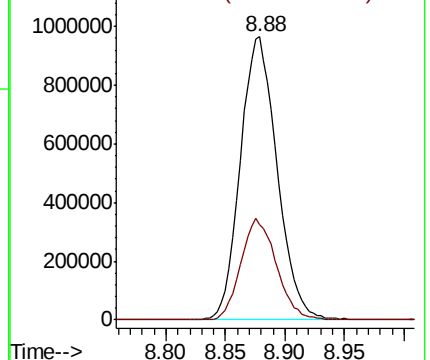
Ion	Ratio	Lower	Upper
43	100		
58	34.8	29.0	43.6

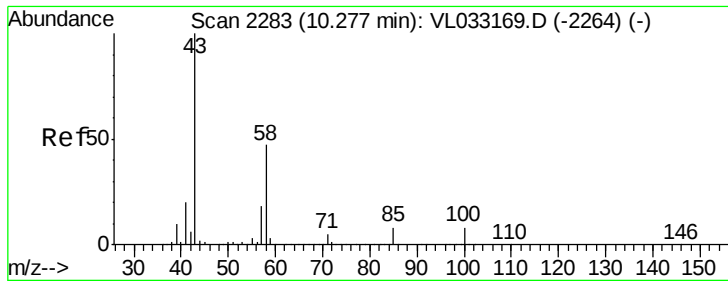


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.309 ppbv

RT: 10.28 min Scan# 2284

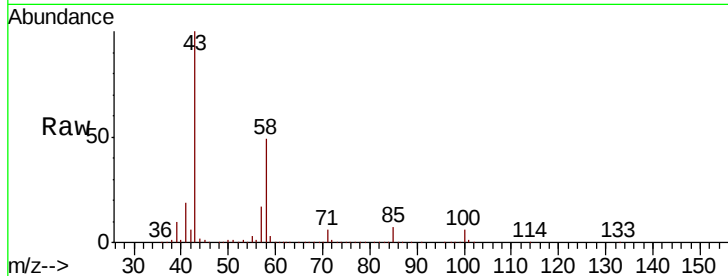
Delta R.T. 0.00 min

Lab File: VL033231.D

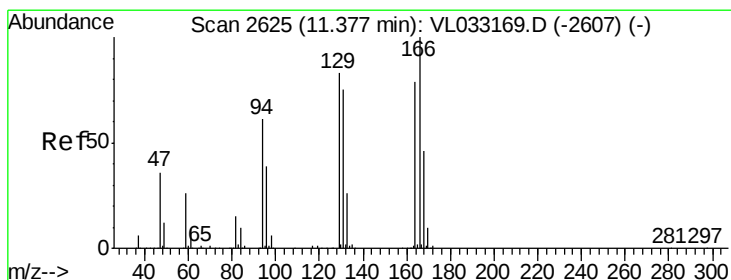
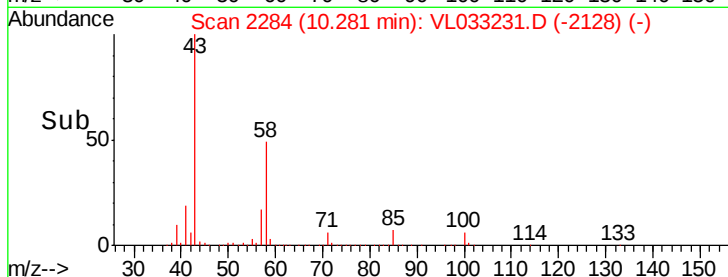
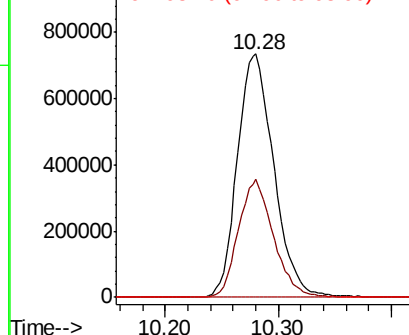
Acq: 15 Feb 2019 14:12

Tot Ion: 43 Resp: 1643815

Ion	Ratio	Lower	Upper
43	100		
58	46.7	39.0	58.6
98	0.2	0.1	0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.833 ppbv

RT: 11.38 min Scan# 2627

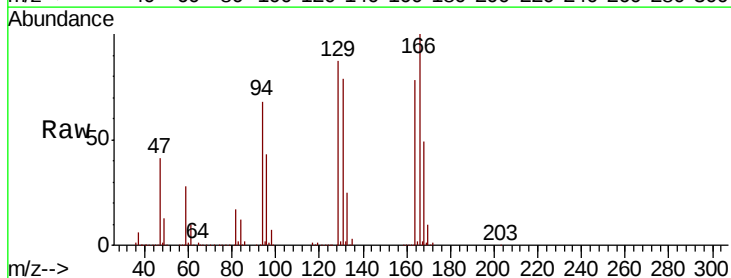
Delta R.T. 0.01 min

Lab File: VL033231.D

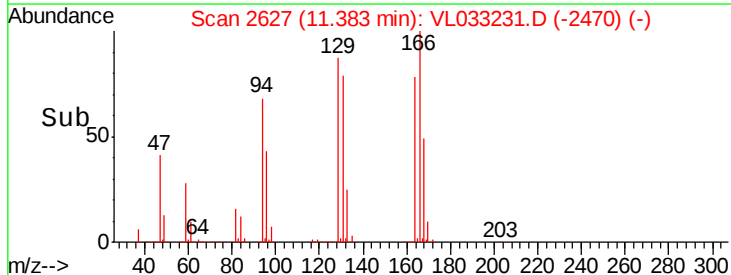
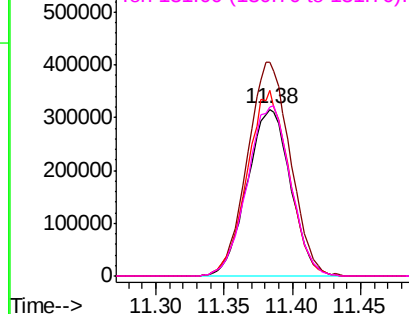
Acq: 15 Feb 2019 14:12

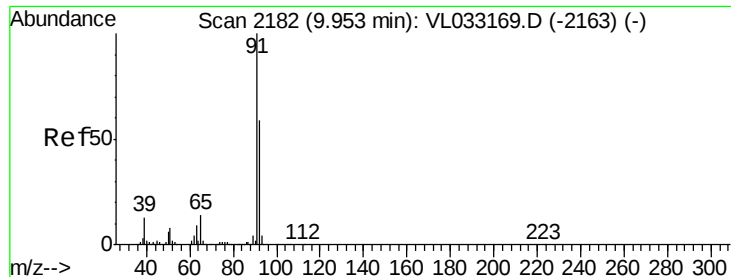
Tgt Ion: 164 Resp: 693920

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.9	151.3
129	111.5	83.9	125.9
131	101.6	76.2	114.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.334 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033231.D

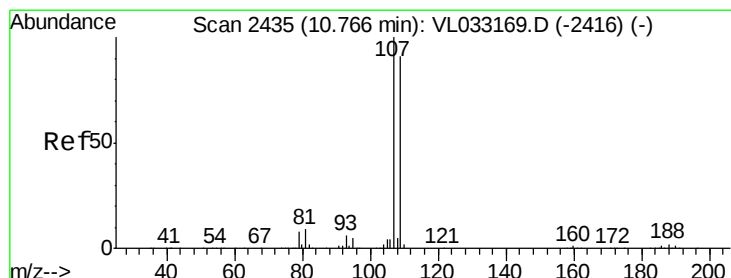
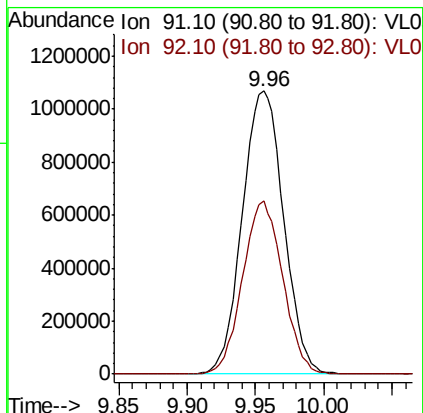
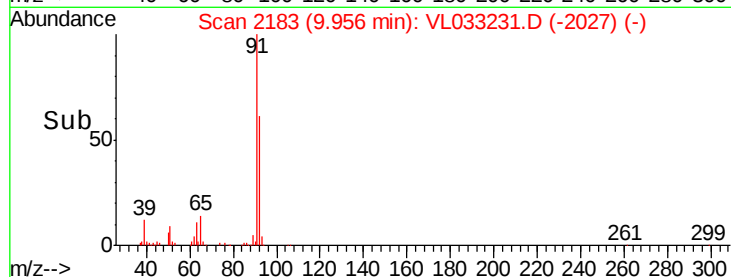
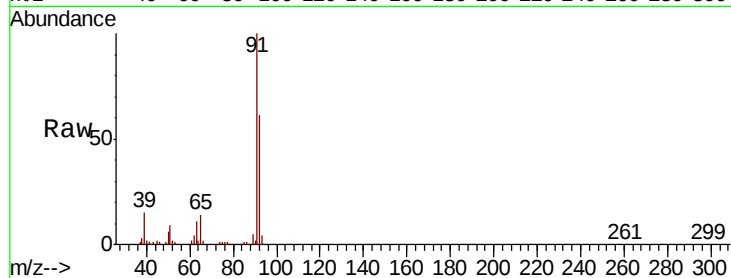
Acq: 15 Feb 2019 14:12

Tot Ion: 91 Resp: 2247686

Ion Ratio Lower Upper

91 100

92 59.4 48.0 72.0



#54

1,2-Dibromoethane

Concen: 10.948 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL033231.D

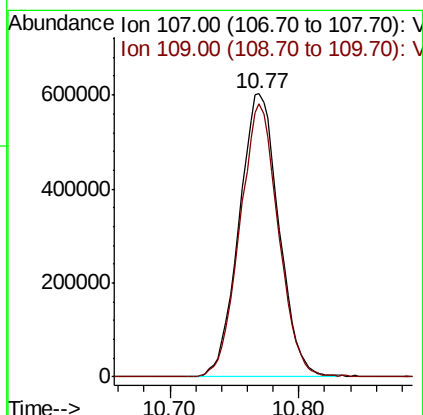
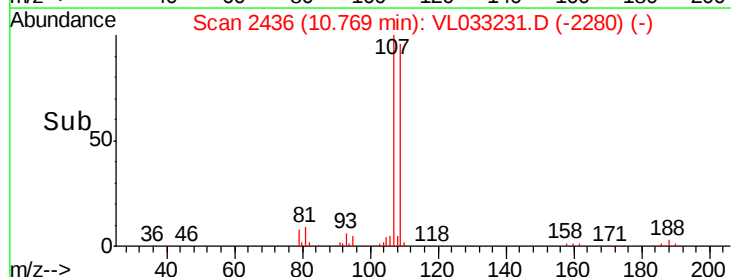
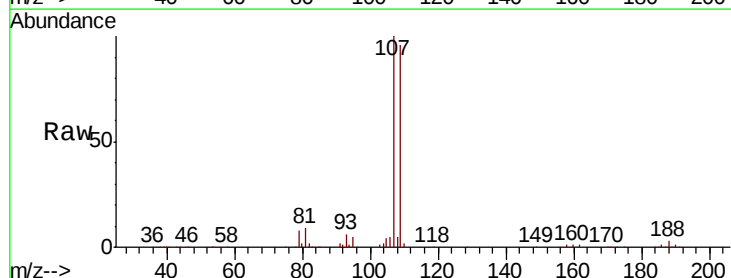
Acq: 15 Feb 2019 14:12

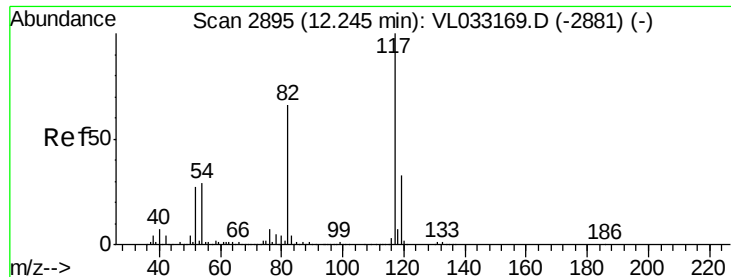
Tgt Ion: 107 Resp: 1292468

Ion Ratio Lower Upper

107 100

109 96.3 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

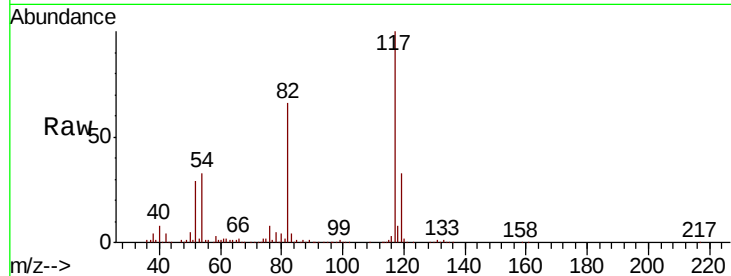
Tot Ion:117 Resp: 1988203

Ion Ratio Lower Upper

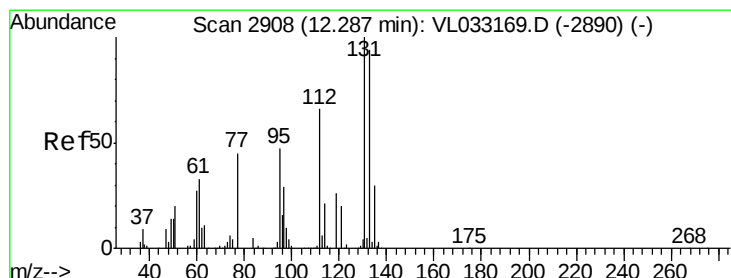
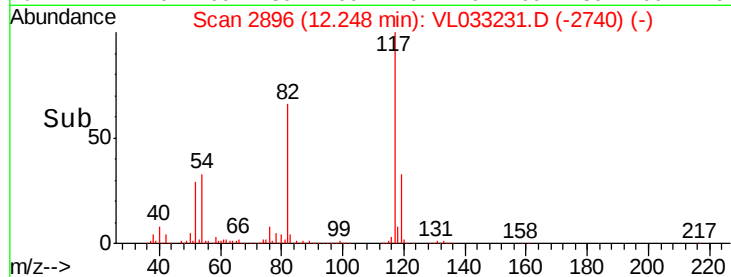
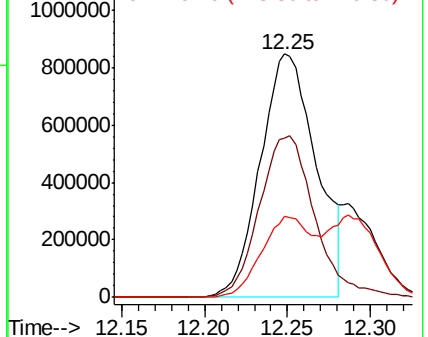
117 100

82 66.1 53.8 80.8

119 27.4 46.9 70.3#



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



#56

1,1,1,2-Tetrachloroethane

Concen: 10.748 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

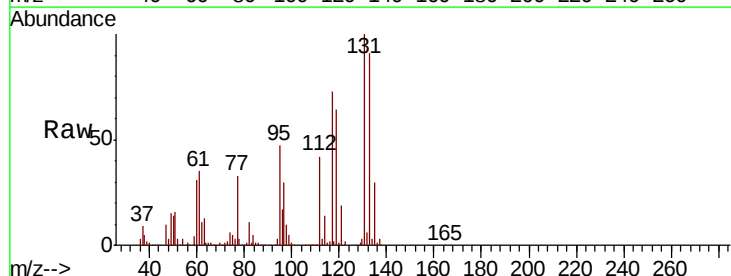
Tgt Ion:131 Resp: 995226

Ion Ratio Lower Upper

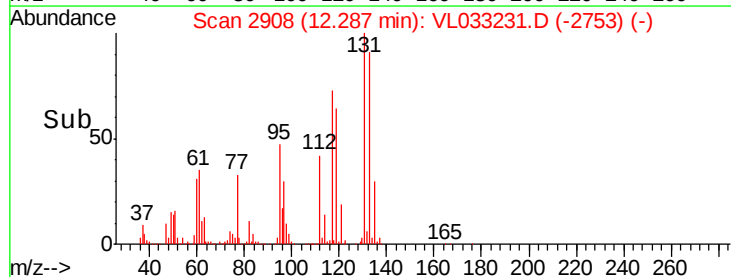
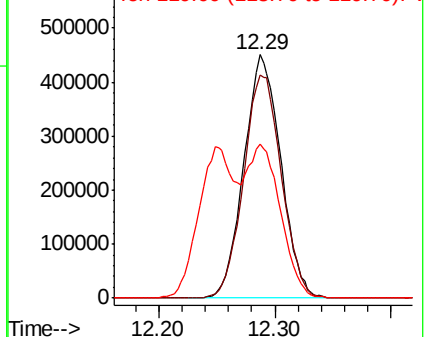
131 100

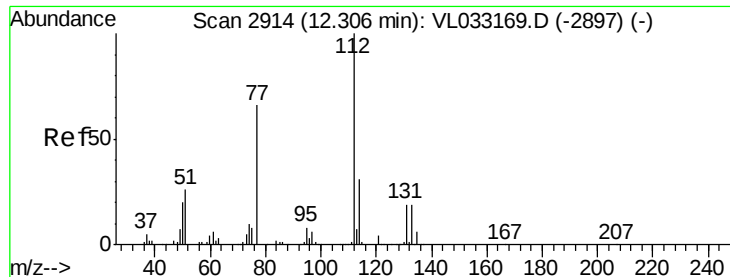
133 94.4 75.8 113.6

119 58.5 48.1 72.1



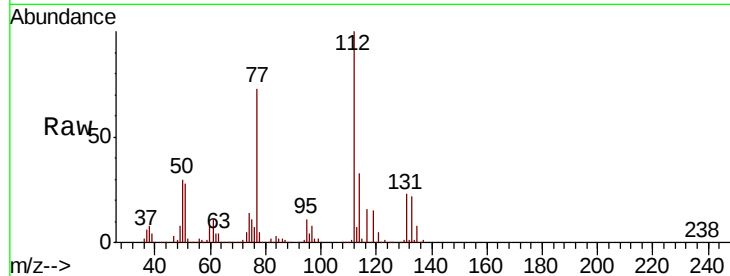
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



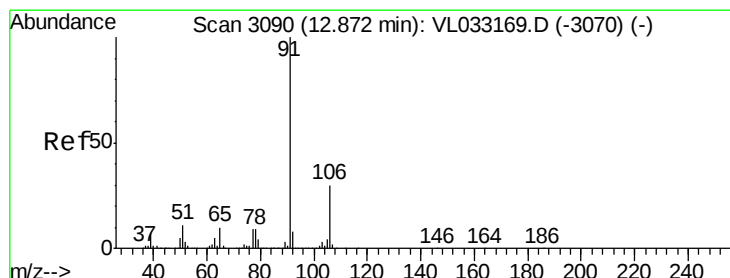
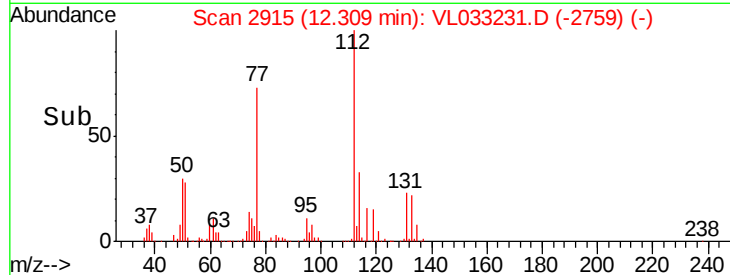
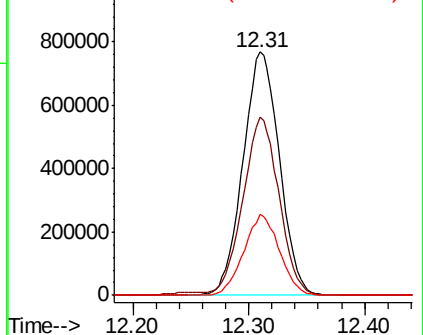


#57
Chlorobenzene
Concen: 9.565 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tot Ion: 112 Resp: 1682763
Ion Ratio Lower Upper
112 100
77 73.2 54.0 81.0
114 33.0 27.9 34.1

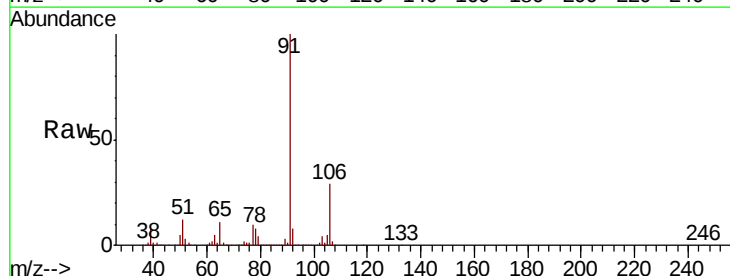


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

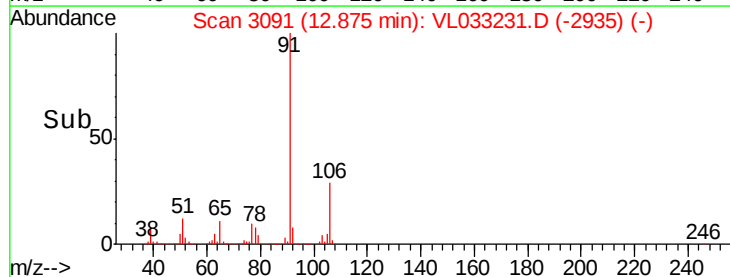
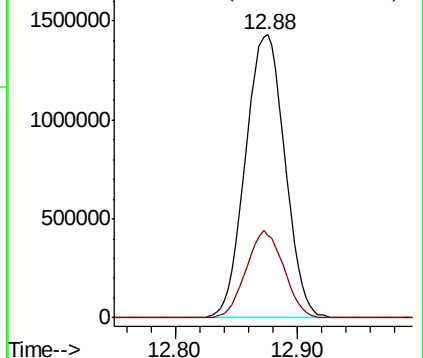


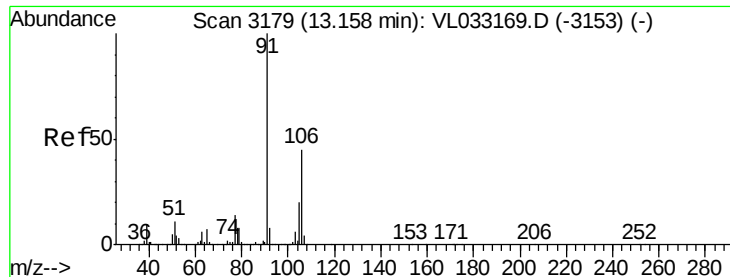
#58
Ethyl Benzene
Concen: 9.788 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tgt Ion: 91 Resp: 3194335
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



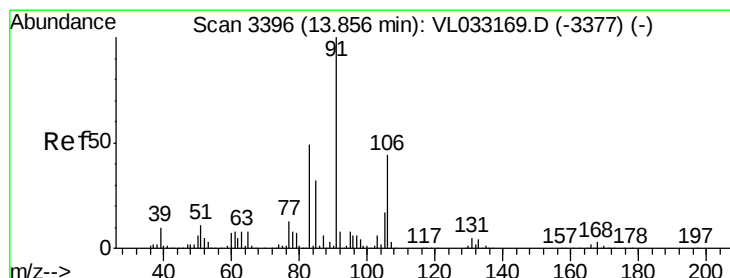
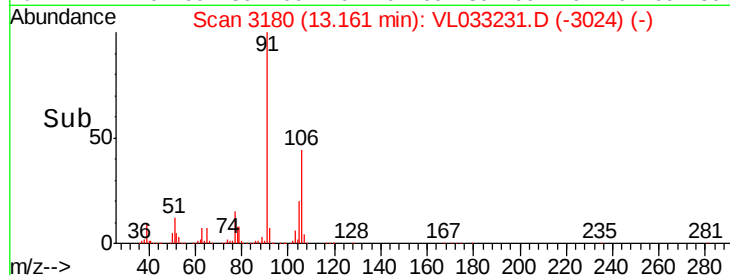
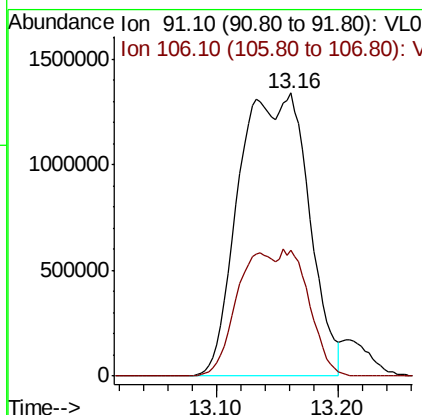
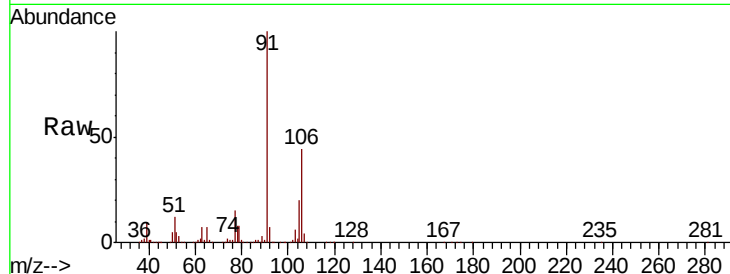
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





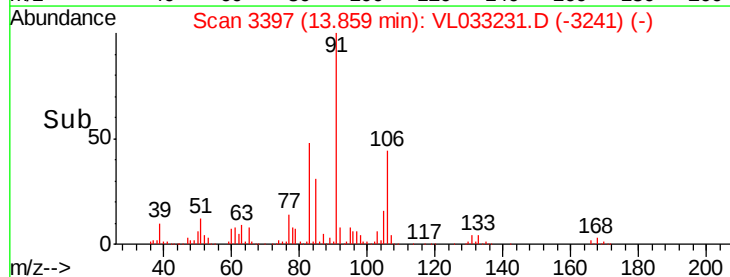
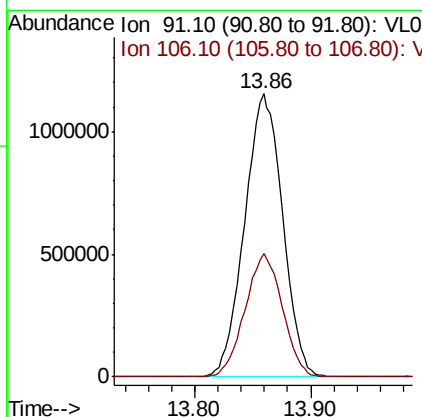
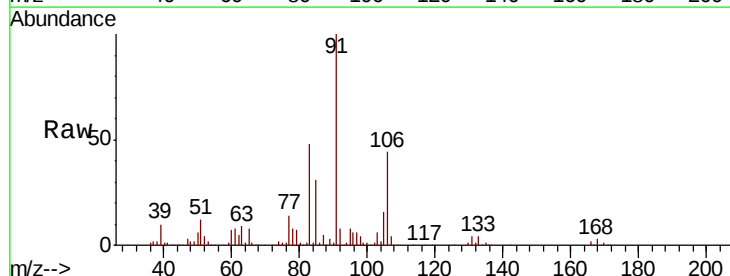
#59
m/p-Xylene
Concen: 19.599 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

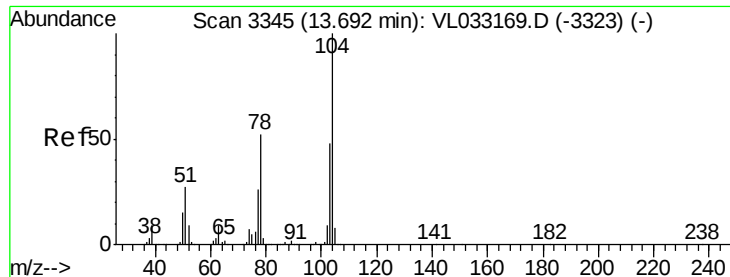
Tot Ion: 91 Resp: 5320372
Ion Ratio Lower Upper
91 100
106 44.1 36.6 55.0



#60
o-Xylene
Concen: 9.955 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tgt Ion: 91 Resp: 2635177
Ion Ratio Lower Upper
91 100
106 42.7 21.8 65.3

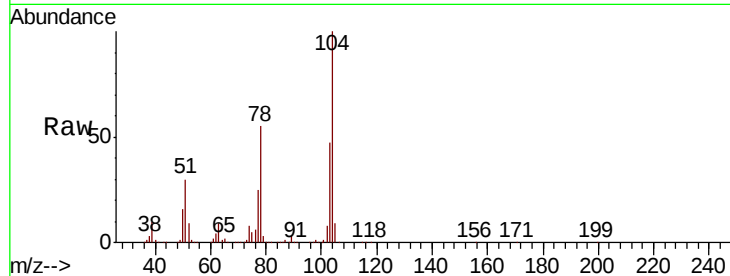




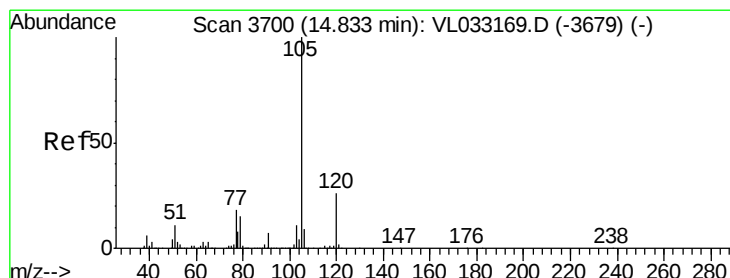
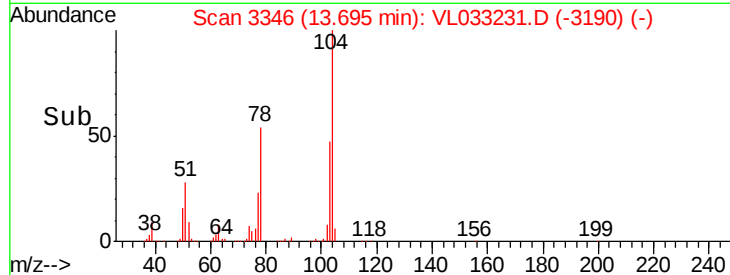
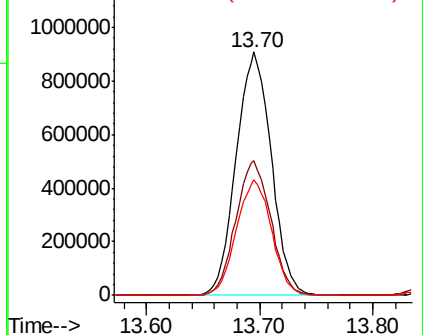
#61
Stvrene
Concen: 9.817 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tot Ion:104 Resp: 1961710

Ion	Ratio	Lower	Upper
104	100		
78	55.1	41.9	62.9
103	47.6	37.9	56.9



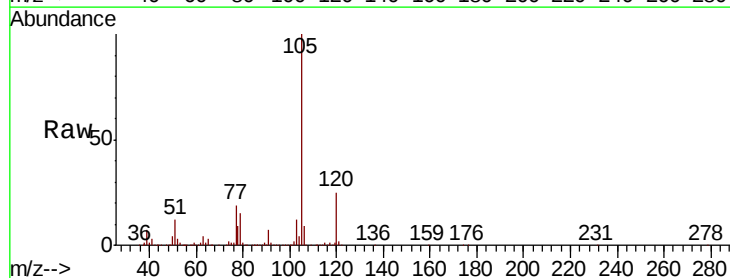
Abundance Ion 104.10 (103.80 to 104.80): V
 Ion 78.10 (77.80 to 78.80): VLO
 Ion 103.10 (102.80 to 103.80): V



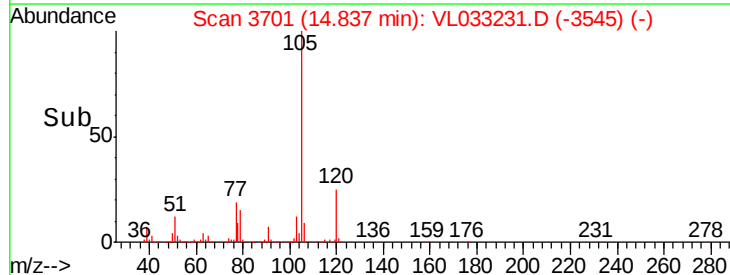
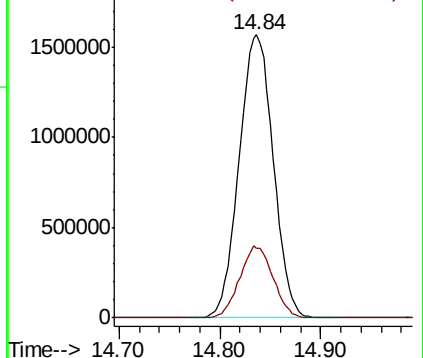
#62
Isopropylbenzene
Concen: 9.829 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

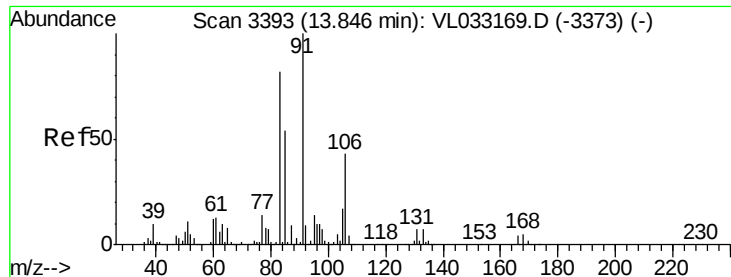
Tgt Ion:105 Resp: 3671193

Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.3	30.5



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





#63

1,1,2,2-Tetrachloroethane

Concen: 8.921 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

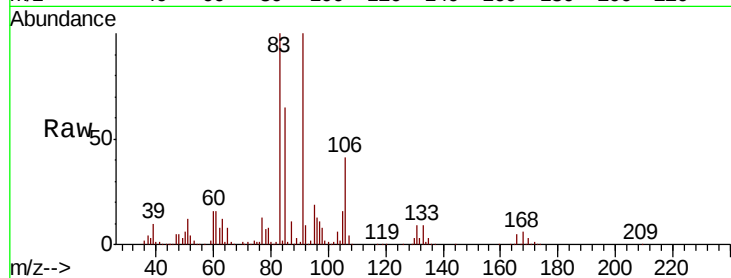
Tot Ion: 83 Resp: 1843565

Ion Ratio Lower Upper

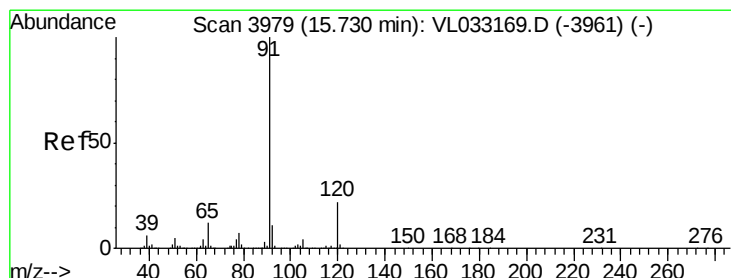
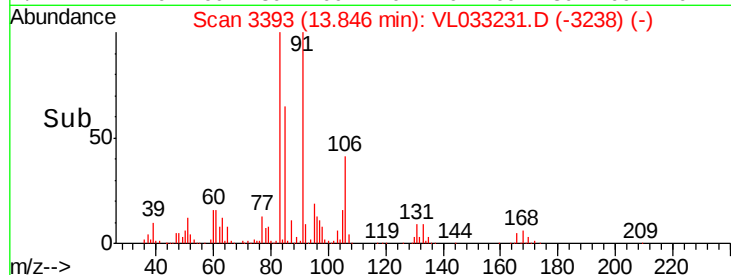
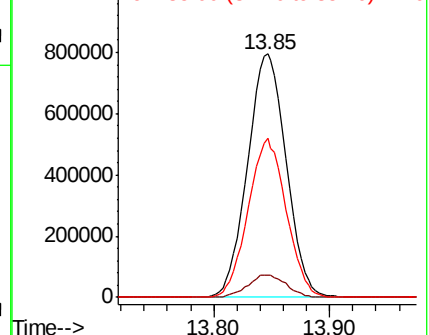
83 100

131 9.2 4.8 14.3

85 64.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.800 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL033231.D

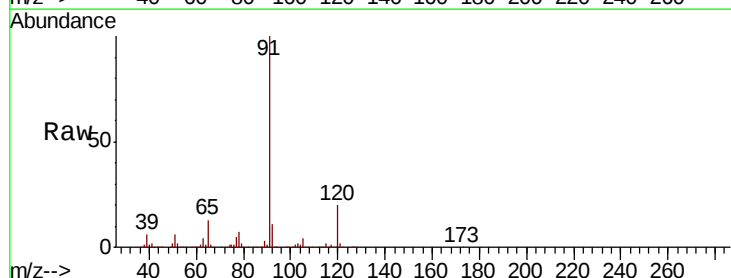
Acq: 15 Feb 2019 14:12

Tgt Ion:120 Resp: 930536

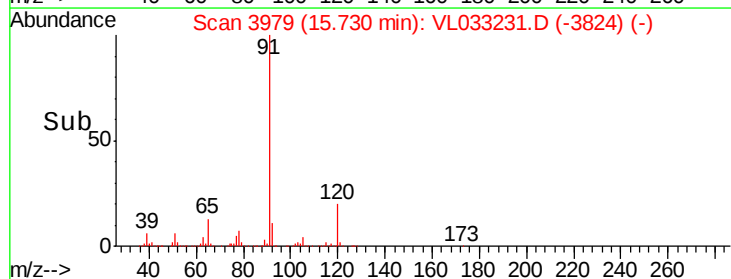
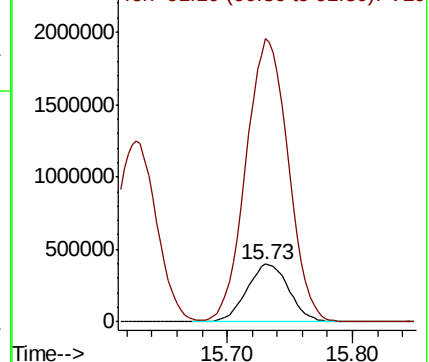
Ion Ratio Lower Upper

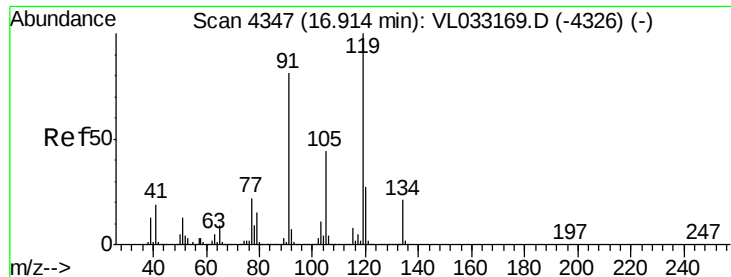
120 100

91 493.5 383.9 575.9



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.998 ppbv

RT: 16.92 min Scan# 4349

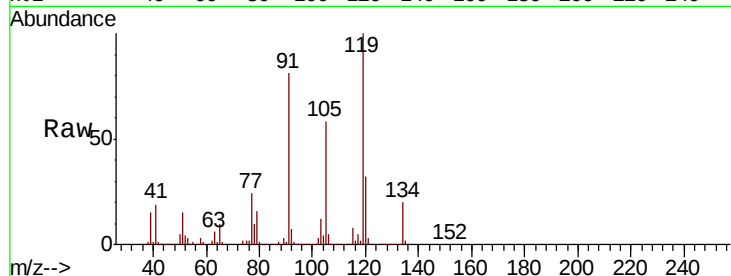
Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion: 119 Resp: 3251580

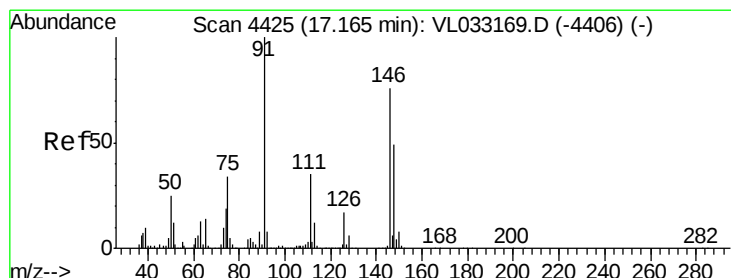
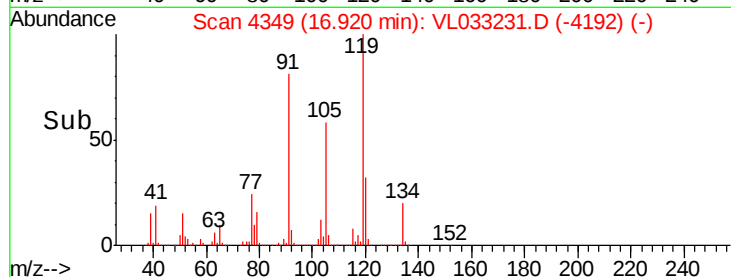
Ion	Ratio	Lower	Upper
119	100		
91	83.9	65.6	98.4
134	19.2	15.8	23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.547 ppbv

RT: 17.17 min Scan# 4426

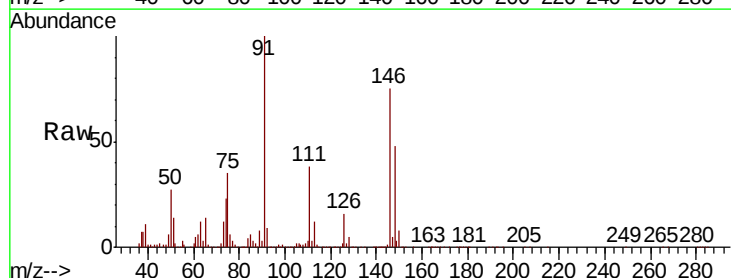
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion: 91 Resp: 1690714

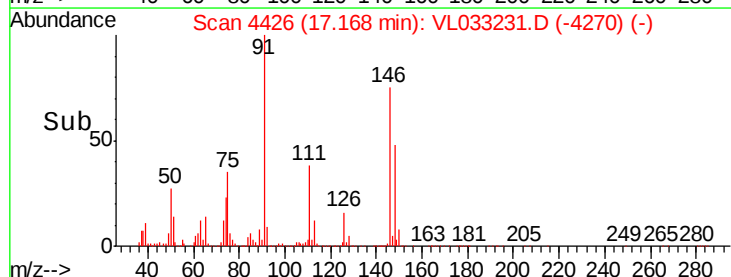
Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.8	20.6
128	5.1	4.5	6.7

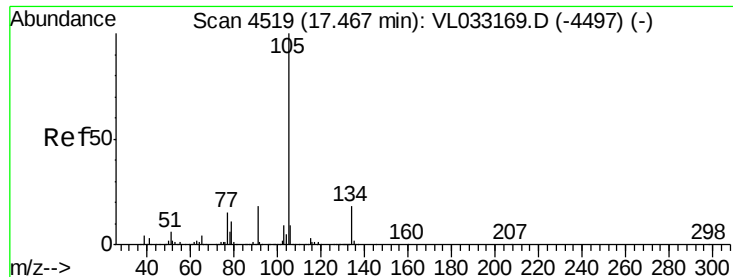


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.889 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL033231.D

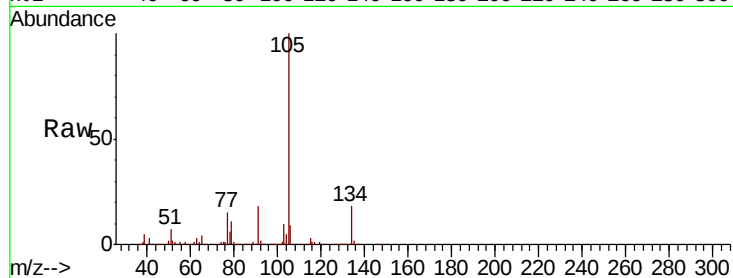
Acq: 15 Feb 2019 14:12

Tot Ion: 105 Resp: 4668592

Ion Ratio Lower Upper

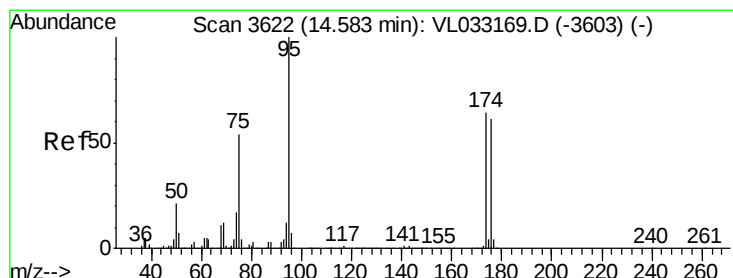
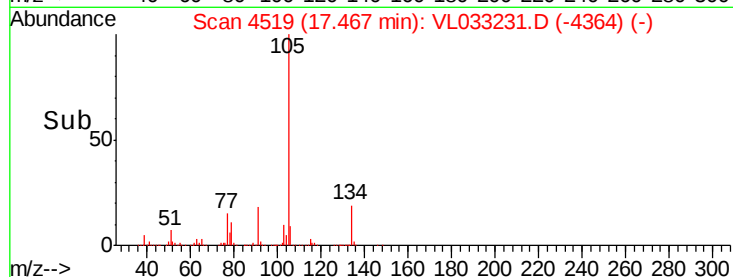
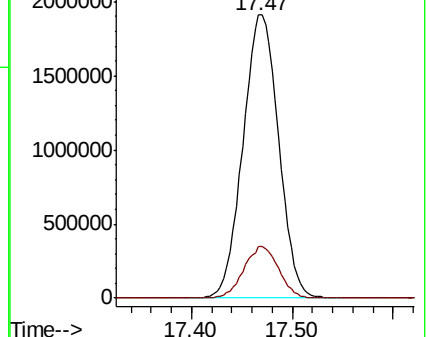
105 100

134 17.9 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.821 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

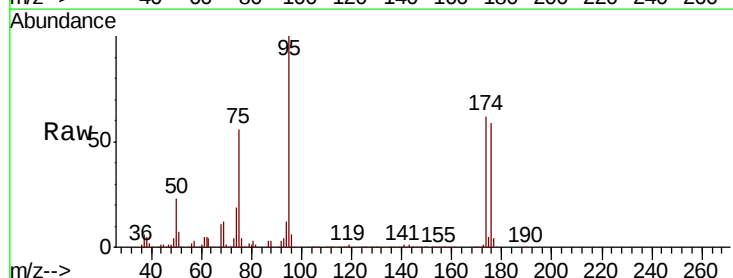
Tgt Ion: 95 Resp: 1521677

Ion Ratio Lower Upper

95 100

174 62.9 51.1 76.7

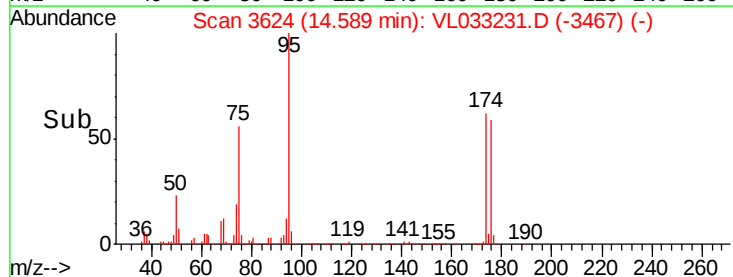
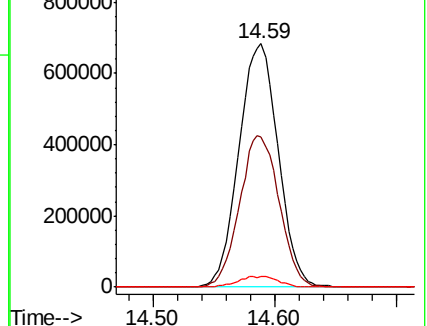
175 4.6 3.8 5.6

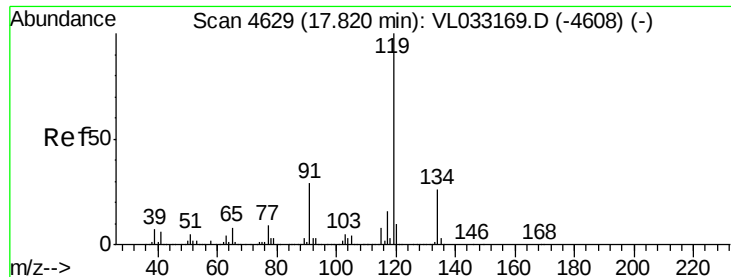


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

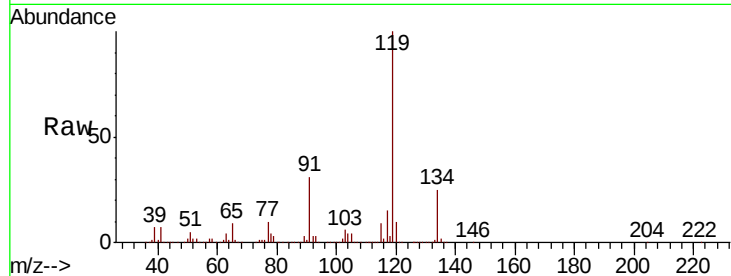
Ion 175.00 (174.70 to 175.70): V



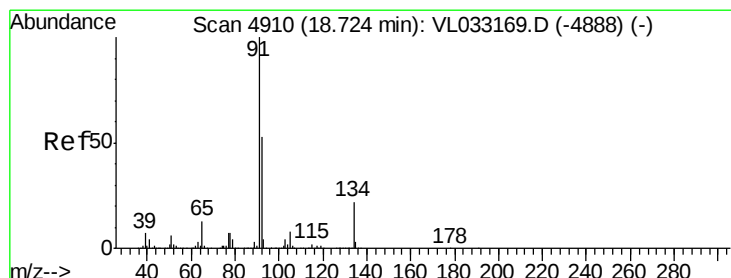
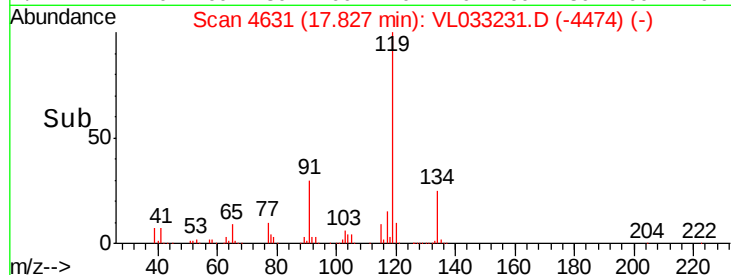
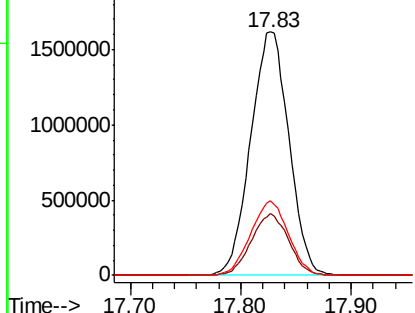


#69
 p-Isopropyltoluene
 Concen: 9.870 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.01 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tot Ion: 119 Resp: 3880902
 Ion Ratio Lower Upper
 119 100
 134 24.7 20.4 30.6
 91 30.1 23.4 35.0

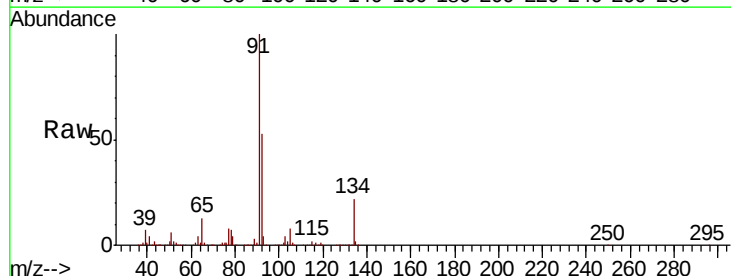


Abundance Ion 119.10 (118.80 to 119.80): VL0
 Ion 134.20 (133.90 to 134.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0

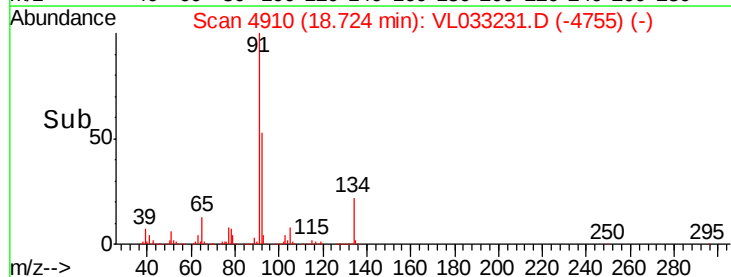
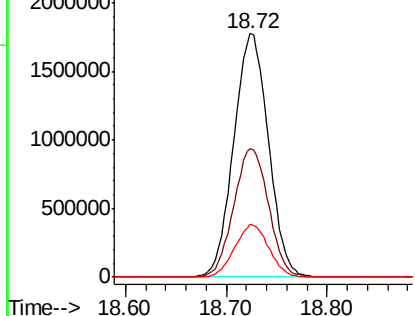


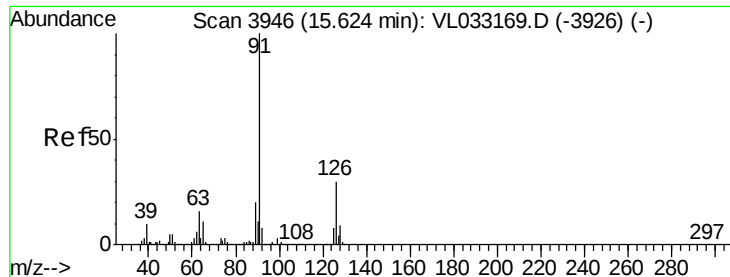
#70
 n-Butylbenzene
 Concen: 9.944 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. -0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tgt Ion: 91 Resp: 4218365
 Ion Ratio Lower Upper
 91 100
 92 53.2 43.0 64.4
 134 21.3 17.5 26.3



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





#71

2-Chlorotoluene

Concen: 9.855 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL033231.D

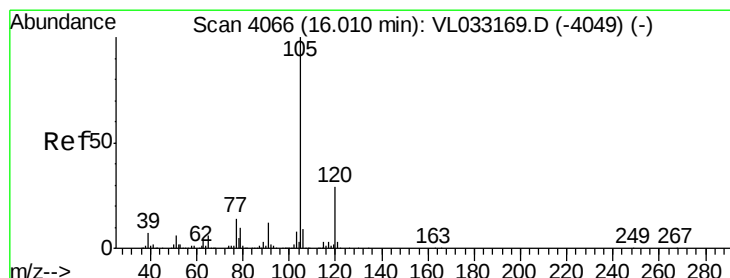
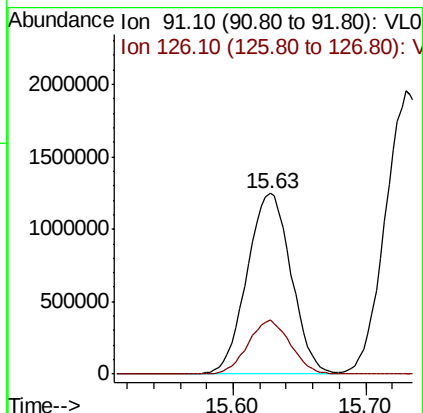
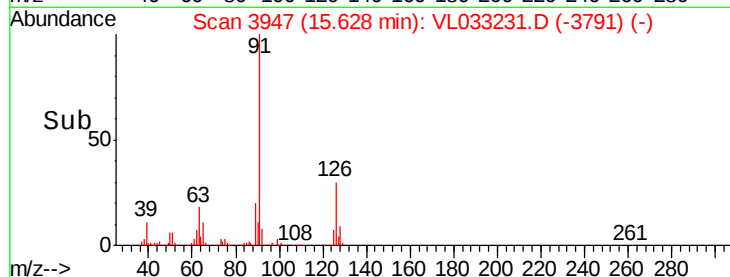
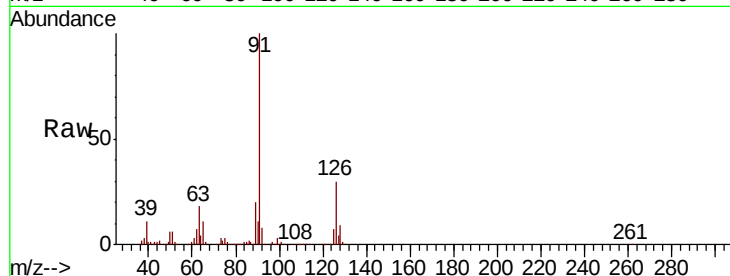
Acq: 15 Feb 2019 14:12

Tot Ion: 91 Resp: 2891710

Ion Ratio Lower Upper

91 100

126 28.7 11.8 47.4



#72

4-Ethyltoluene

Concen: 10.020 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion:105 Resp: 3059270

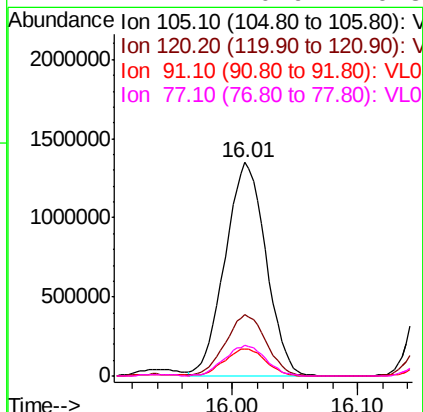
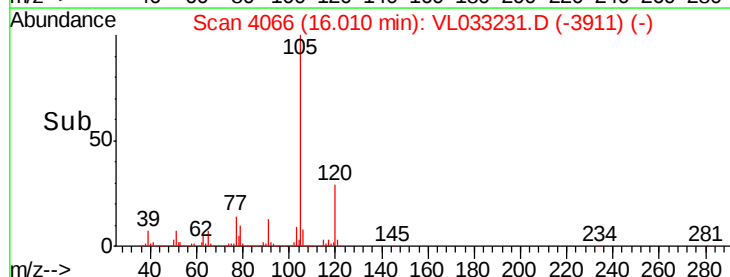
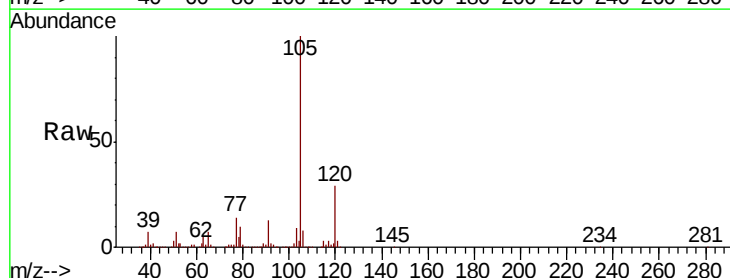
Ion Ratio Lower Upper

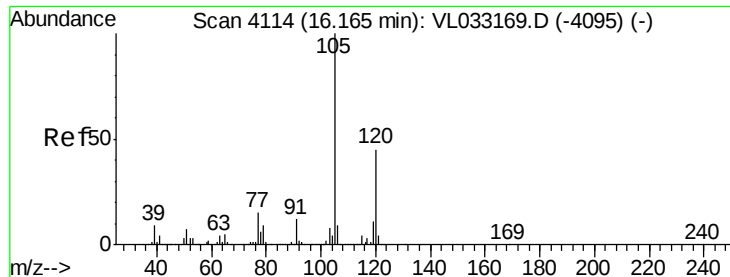
105 100

120 28.5 23.1 34.7

91 12.9 9.8 14.6

77 14.4 10.9 16.3

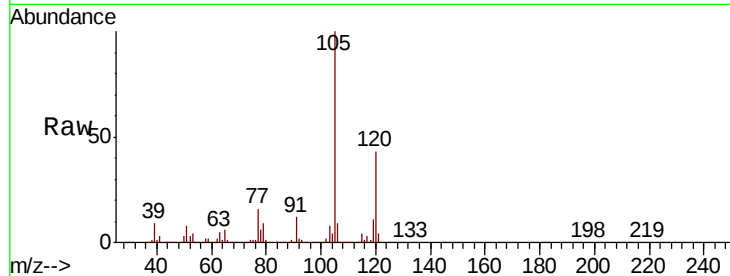




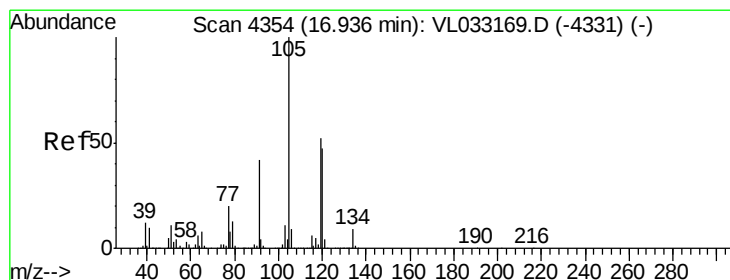
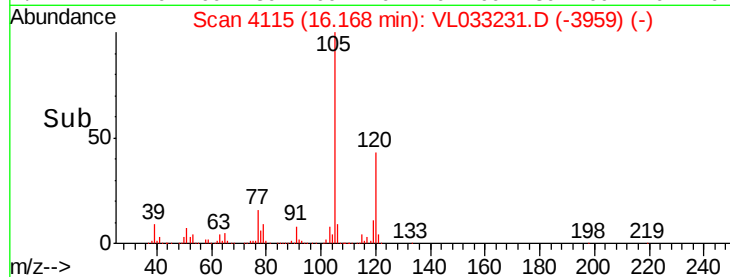
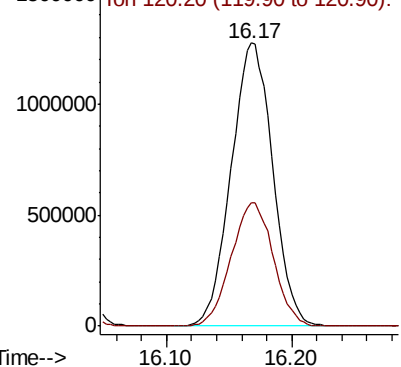
#73

1,3,5-Trimethylbenzene
Concen: 10.049 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tot Ion:105 Resp: 2934152
Ion Ratio Lower Upper
105 100
120 43.5 36.2 54.4



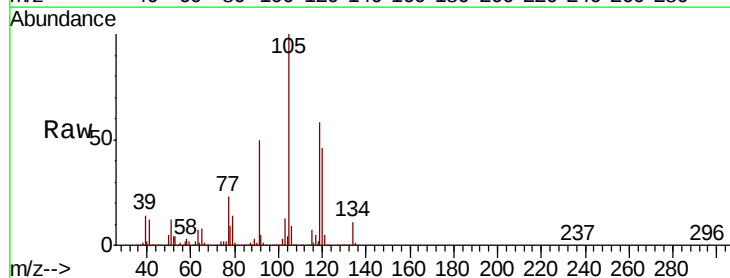
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



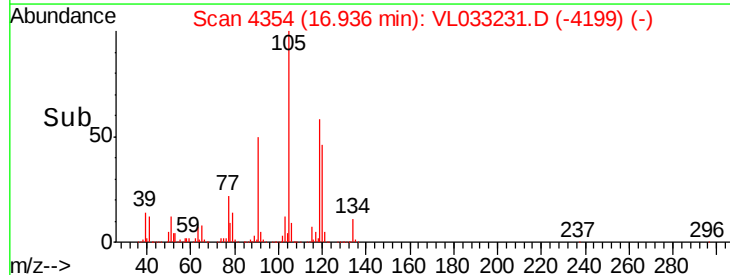
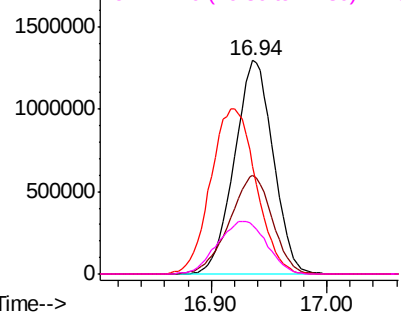
#74

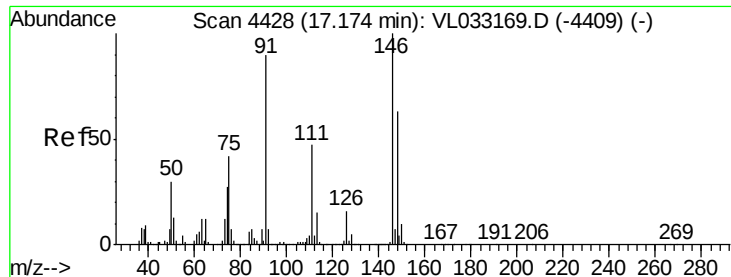
1,2,4-Trimethylbenzene
Concen: 9.933 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL033231.D
Acq: 15 Feb 2019 14:12

Tgt Ion:105 Resp: 3008134
Ion Ratio Lower Upper
105 100
120 46.2 37.9 56.9
91 50.1 34.0 51.0
77 22.4 15.7 23.5



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





#75

1,3-Dichlorobenzene

Concen: 9.778 ppbv

RT: 17.18 min Scan# 4429

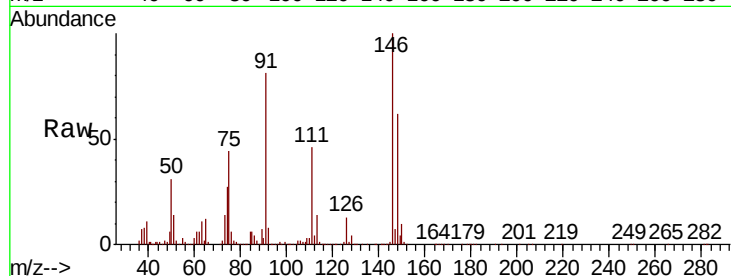
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion:146 Resp: 1707927

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.2	69.6
148	64.3	31.8	95.4

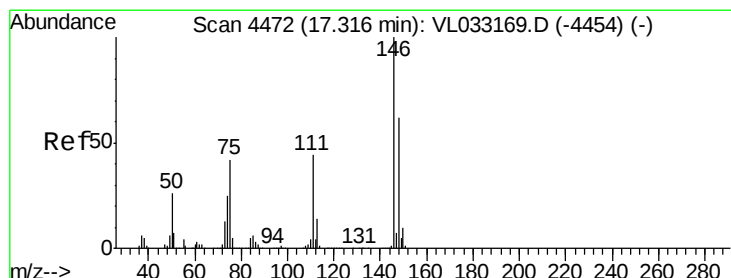
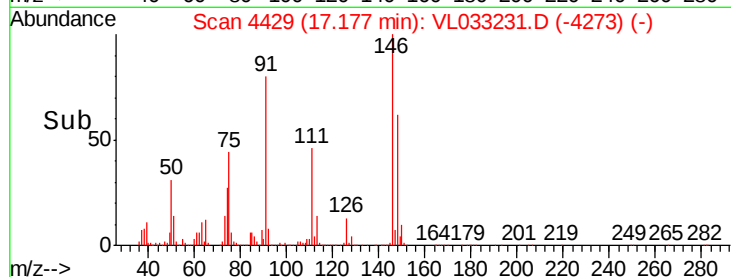
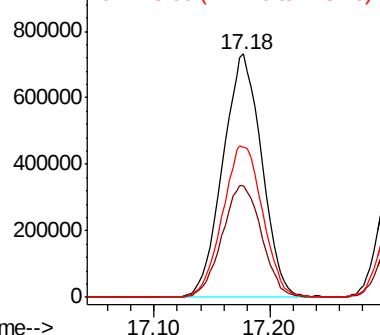


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.006 ppbv

RT: 17.32 min Scan# 4473

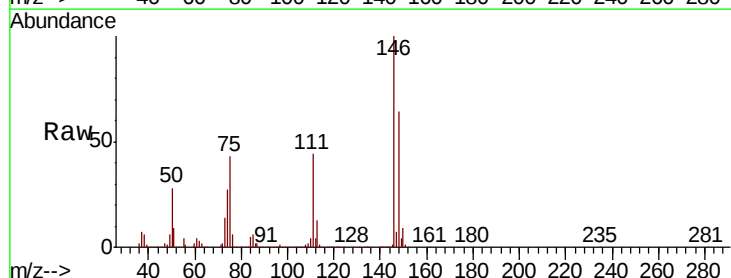
Delta R.T. 0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion:146 Resp: 1731612

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.3	66.9
148	64.4	32.0	96.0

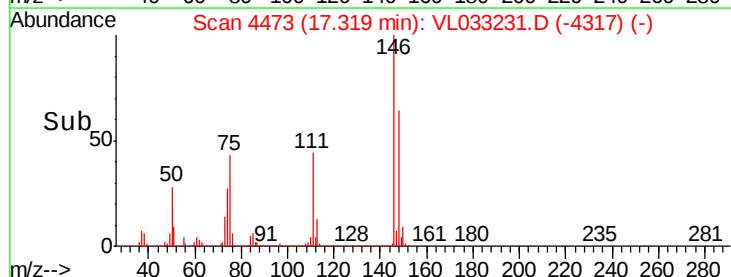
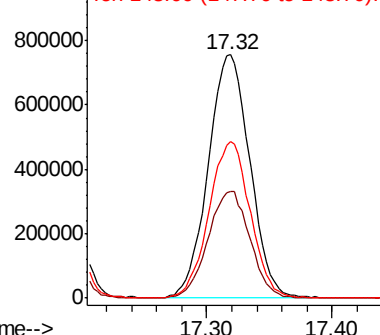


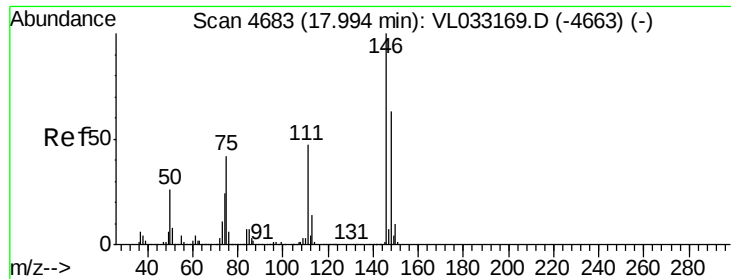
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

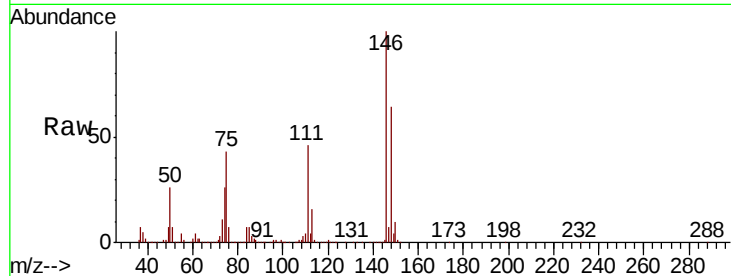
Ion 148.00 (147.70 to 148.70): V



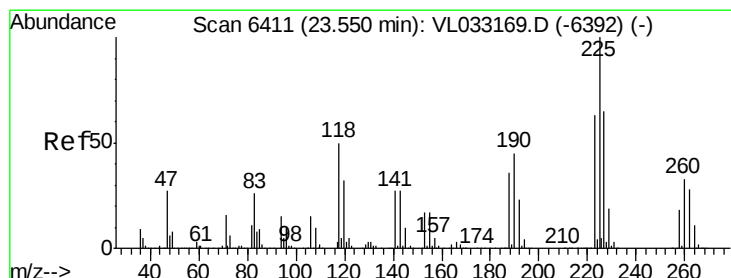
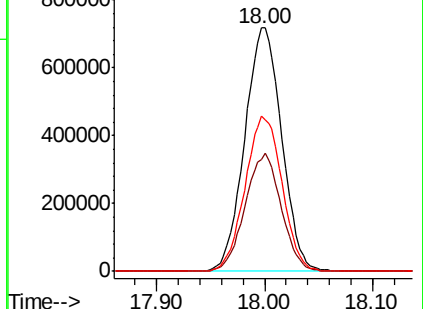
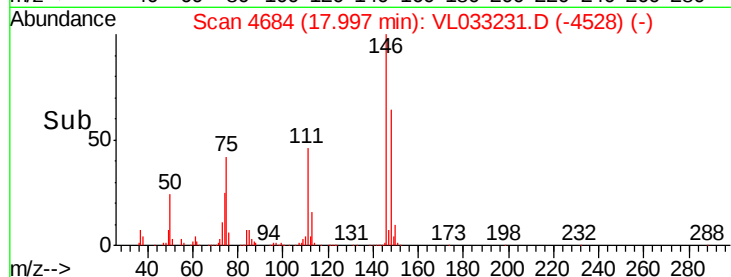


#77
 1,2-Dichlorobenzene
 Concen: 9.897 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tot Ion:146 Resp: 1708204
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.5 70.6
 148 64.0 31.9 95.7

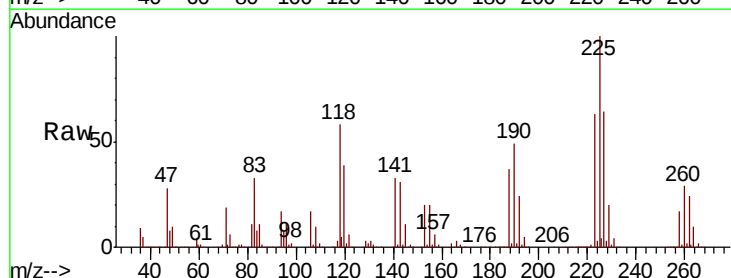


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

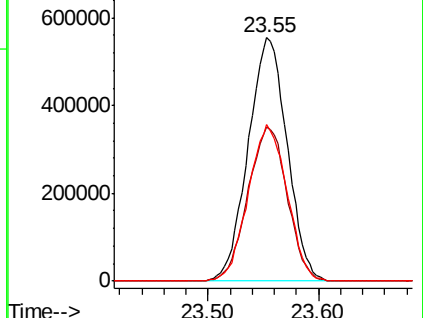
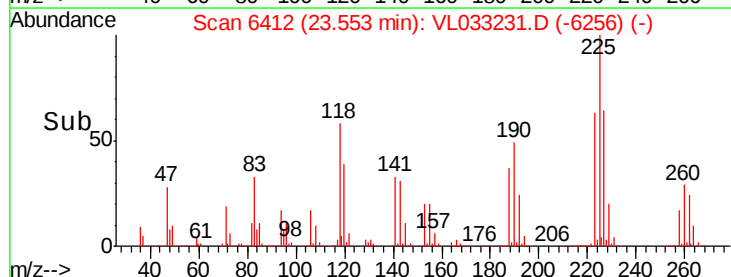


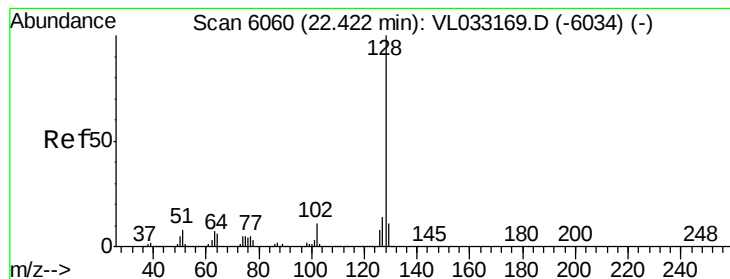
#78
 Hexachloro-1,3-Butadiene
 Concen: 15.806 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. 0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tgt Ion:225 Resp: 1356566
 Ion Ratio Lower Upper
 225 100
 223 64.1 50.6 75.8
 227 64.2 51.4 77.2



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.909 ppbv

RT: 22.42 min Scan# 6060

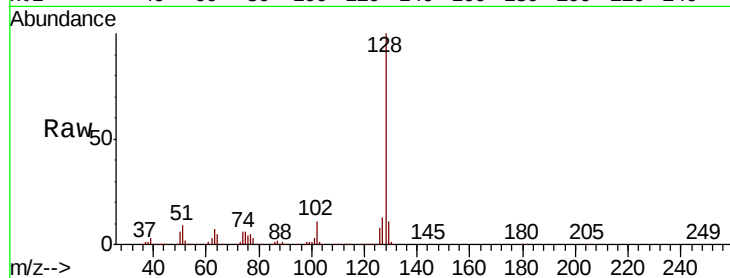
Delta R.T. -0.00 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tot Ion:128 Resp: 3224843

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.4
129	10.6	8.6	12.8

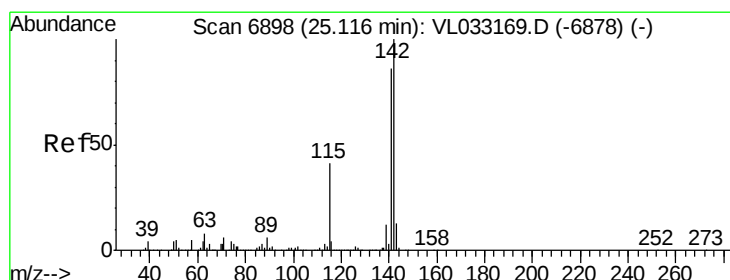
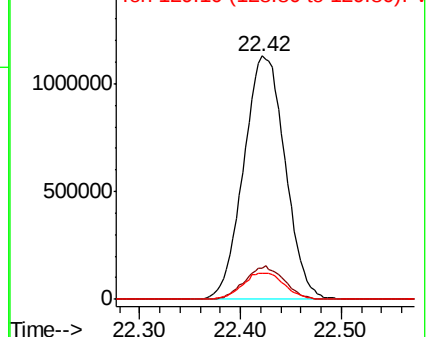
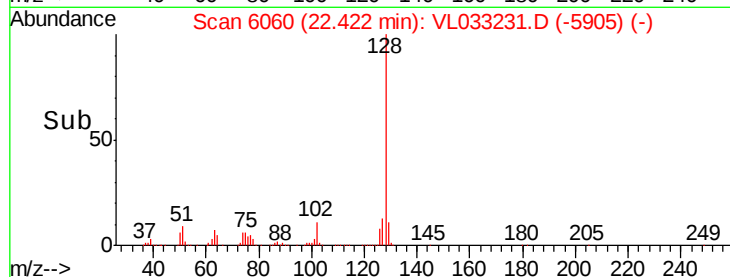


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.142 ppbv

RT: 25.12 min Scan# 6900

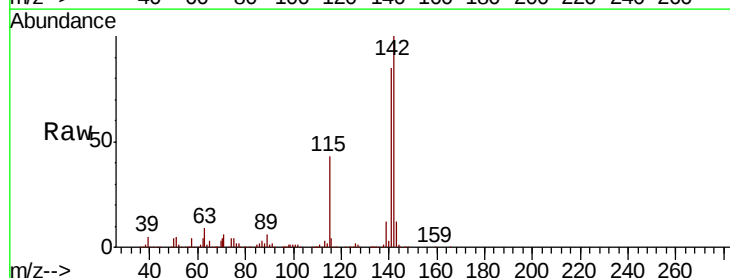
Delta R.T. 0.01 min

Lab File: VL033231.D

Acq: 15 Feb 2019 14:12

Tgt Ion:142 Resp: 1504891

Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.7	101.5
115	42.2	32.7	49.1

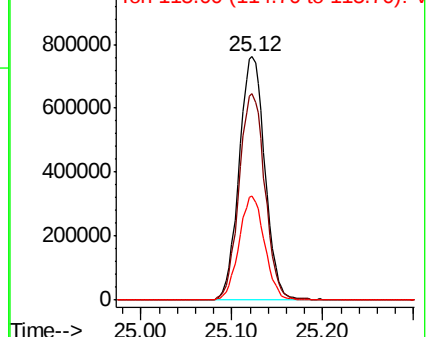
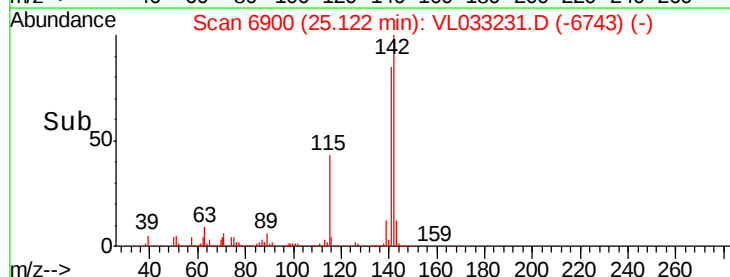


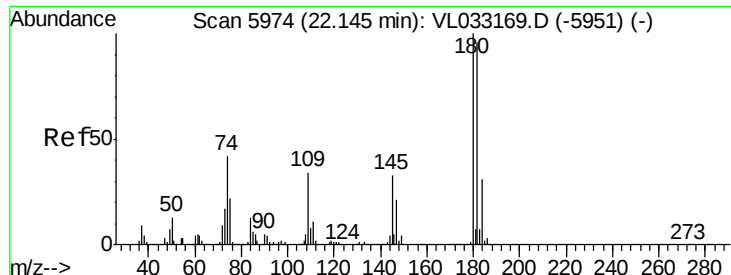
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

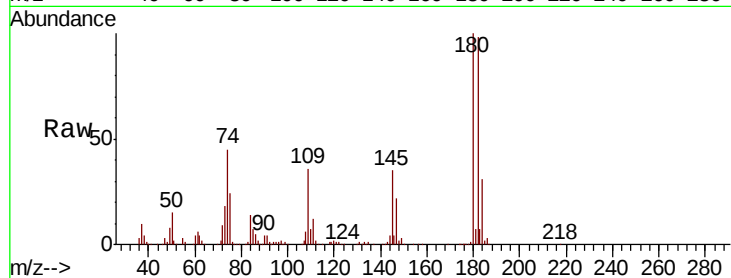
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.650 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. 0.00 min
 Lab File: VL033231.D
 Acq: 15 Feb 2019 14:12

Tot Ion:180 Resp: 1595377
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.8 113.8
 184 30.8 24.3 36.5



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

