

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031218.D
 Acq On : 14 Dec 2017 2:16
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 12/15/2017 4:07:00 PM

Quant Time: Dec 14 04:27:39 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 03:40:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1629220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	4102323	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.42	117	4845543m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3244147	8.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	1366967	8.22	ppbv	99
3) Chlorodifluoromethane	3.12	51	2458949	11.03	ppbv	99
4) Chloromethane	3.28	50	1384685	16.55	ppbv	99
5) Vinyl Chloride	3.40	62	1387562	15.19	ppbv	100
6) Bromomethane	3.63	94	858063	15.51	ppbv	98
7) Chloroethane	3.72	64	545712	16.78	ppbv	99
8) Dichlorotetrafluoroethane	3.32	85	1936937	9.97	ppbv	98
9) Propene	3.14	41	1245504	13.48	ppbv	99
10) Heptane	8.41	43	3395990	12.35	ppbv	100
11) Trichlorofluoromethane	4.13	101	3002507	15.39	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.68	101	2036785	17.54	ppbv	99
13) Ethanol	3.77	45	306561	17.33	ppbv	99
14) Bromoethene	3.91	108	952810	15.95	ppbv	100
15) Acetone	4.02	43	2440629	14.92	ppbv	99
16) 1,3-Butadiene	3.47	39	1316005	17.07	ppbv	98
17) tert-Butyl alcohol	4.49	59	1620525	20.40	ppbv	99
18) 1,1-Dichloroethene	4.49	96	979983	17.35	ppbv	92
19) Isopropyl Alcohol	4.15	45	1822423	19.08	ppbv	98
20) Methylene Chloride	4.54	84	935656	16.45	ppbv	97
21) Allyl Chloride	4.61	41	1782681	21.86	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	1154311	16.32	ppbv	100
23) Vinyl Acetate	5.30	43	4084326	14.02	ppbv	98
24) 1,1-Dichloroethane	5.23	63	3117484	12.41	ppbv	100
25) Ethyl Acetate	5.92	43	5362812	13.19	ppbv	100
26) Hexane	5.93	57	2503797	12.66	ppbv	99
27) Carbon Disulfide	4.76	76	2837376	20.44	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	3387108	15.51	ppbv	100
29) Chloroform	6.00	83	3612293	12.75	ppbv	100
30) Cyclohexane	7.41	84	2113718	13.37	ppbv	99
31) cis-1,2-Dichloroethene	5.79	61	2423844	12.80	ppbv	99
32) 1,1,1-Trichloroethane	6.78	97	3523066	14.90	ppbv	99
34) 2-Butanone	5.47	43	3709781	11.02	ppbv	100
35) Carbon Tetrachloride	7.30	117	3568360	12.38	ppbv	98
36) Benzene	7.17	78	5138618	10.94	ppbv	98
37) 1,2-Dichloroethane	6.57	62	2867155	10.39	ppbv	100
38) Trichloroethene	8.13	130	1848277	10.34	ppbv	98
39) 1,2-Dichloropropane	7.90	63	1875965	10.44	ppbv	95
40) 1,4-Dioxane	8.12	88	731243	10.23	ppbv #	95
41) Tetrahydrofuran	6.30	42	2118237	12.02	ppbv	99
42) Bromodichloromethane	8.09	83	3648310	11.10	ppbv	100
43) Methyl Methacrylate	8.30	69	1893600	11.53	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	7779160	9.90	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	2858350	14.04	ppbv	99
46) cis-1,3-Dichloropropene	9.01	75	3375821	12.53	ppbv	99
47) 1,1,2-Trichloroethane	9.79	97	2123211	11.14	ppbv	98
48) Dibromochloromethane	10.63	129	3511319	13.70	ppbv	100
49) Bromoform	13.38	173	2625441	13.56	ppbv	100
50) 4-Methyl-2-Pentanone	9.04	43	4586226	10.77	ppbv	100
51) 2-Hexanone	10.44	43	4719203	11.71	ppbv #	99
52) Tetrachloroethene	11.55	164	1929437	11.58	ppbv	98
53) Toluene	10.12	91	6158799	11.59	ppbv	100
54) 1,2-Dibromoethane	10.94	107	3310397	12.21	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.46	131	2294516	11.54	ppbv #	62
57) Chlorobenzene	12.48	112	4618640	9.75	ppbv	98
58) Ethyl Benzene	13.04	91	8291096	9.99	ppbv	96
59) m/p-Xylene	13.33	91	12884357m	18.41	ppbv	
60) o-Xylene	14.03	91	6397358	9.19	ppbv	99
61) Styrene	13.86	104	2083089	11.90	ppbv	99
62) Isopropylbenzene	15.00	105	8603400	10.32	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.01	83	4141100	7.63	ppbv	99
64) n-propylbenzene	15.90	120	2368632	10.39	ppbv	95
65) tert-Butylbenzene	17.08	119	7173023	9.81	ppbv	100
66) Benzyl Chloride	17.33	91	968583	15.47	ppbv	100
67) sec-Butylbenzene	17.63	105	10205699	9.21	ppbv	100
69) p-Isopropyltoluene	17.99	119	8500591	9.96	ppbv	99
70) n-Butylbenzene	18.89	91	8423820	8.95	ppbv	99
71) 2-Chlorotoluene	15.80	91	6571181	9.78	ppbv	99
72) 4-Ethyltoluene	16.18	105	7345225	10.43	ppbv	100
73) 1,3,5-Trimethylbenzene	16.33	105	6447247	9.91	ppbv	98
74) 1,2,4-Trimethylbenzene	17.11	105	6390583	8.93	ppbv	99
75) 1,3-Dichlorobenzene	17.34	146	4296225	9.48	ppbv	100
76) 1,4-Dichlorobenzene	17.49	146	4386532	9.64	ppbv	99
77) 1,2-Dichlorobenzene	18.17	146	4245108	9.50	ppbv	99
78) Hexachloro-1,3-Butadiene	23.71	225	994051	11.64	ppbv	100
79) Naphthalene	22.62	128	5752503	11.85	ppbv	98
80) Naphthalene, 2-methyl-	25.25	142	2701042	18.91	ppbv	100
81) 1,2,4-Trichlorobenzene	22.35	180	2632786	10.88	ppbv	100

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

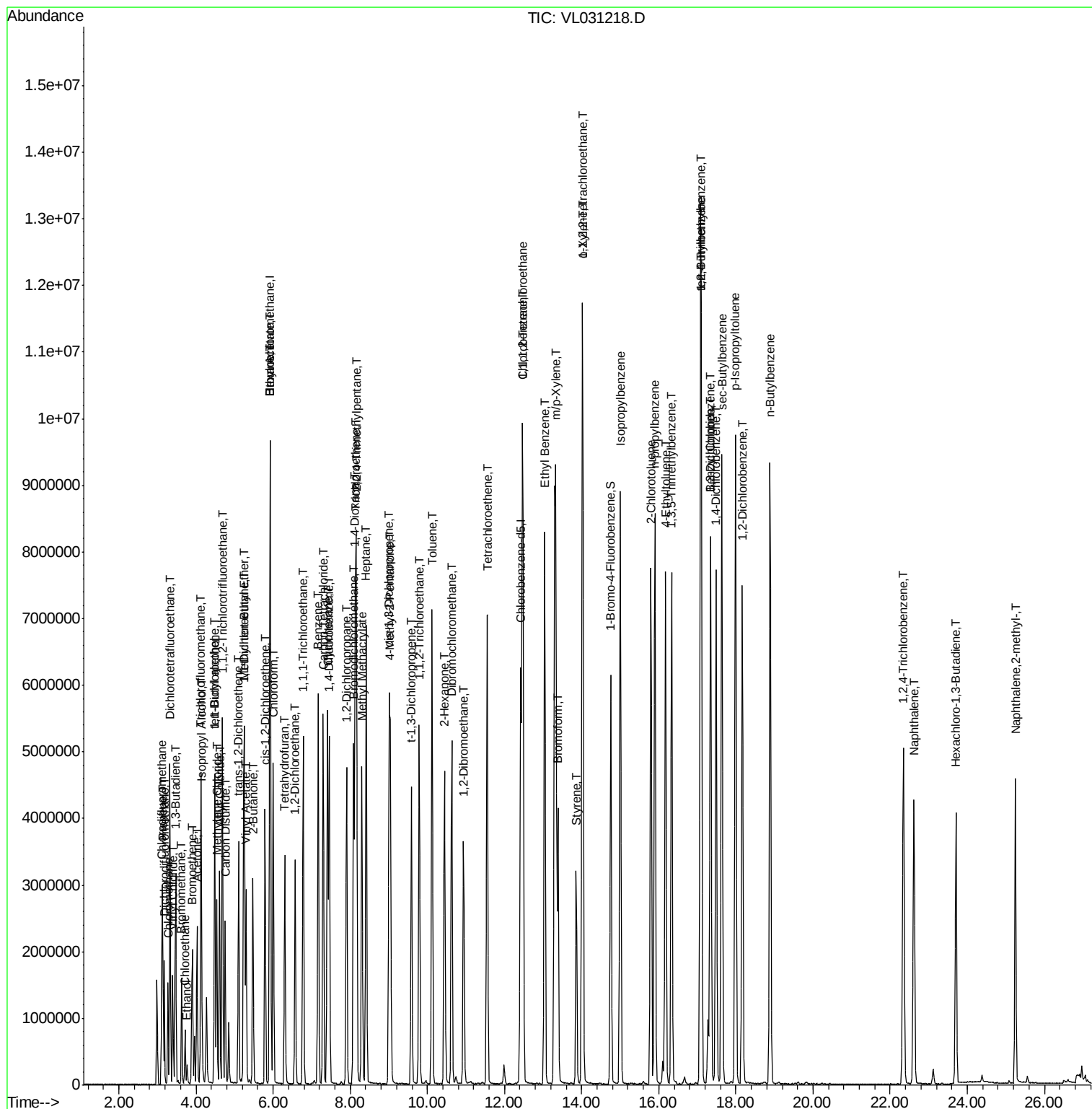
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
Data File : VL031218.D
Acq On : 14 Dec 2017 2:16
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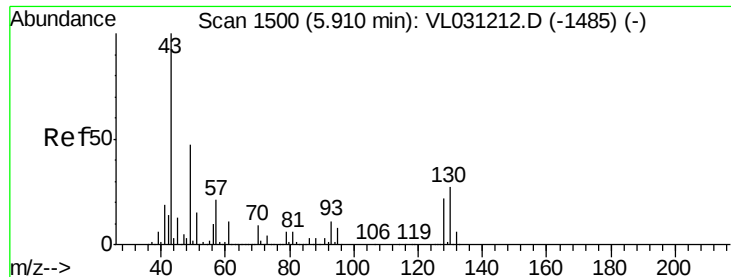
Instrument :
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ClientSampleId :
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1629220

Ion Ratio Lower Upper

49 100

128 47.0 23.2 69.5

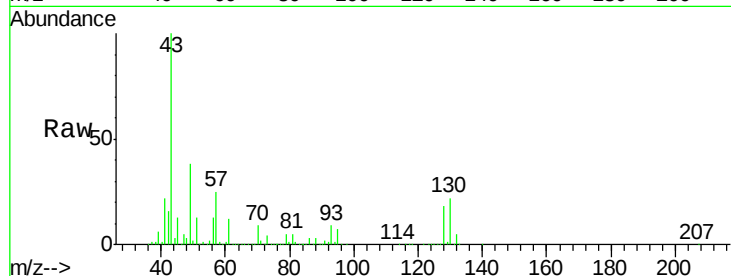
130 59.7 29.6 88.8

Manual Integrations

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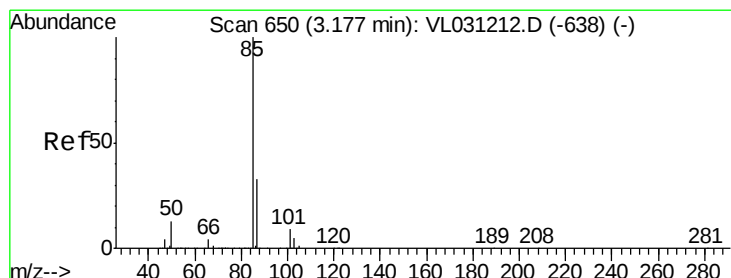
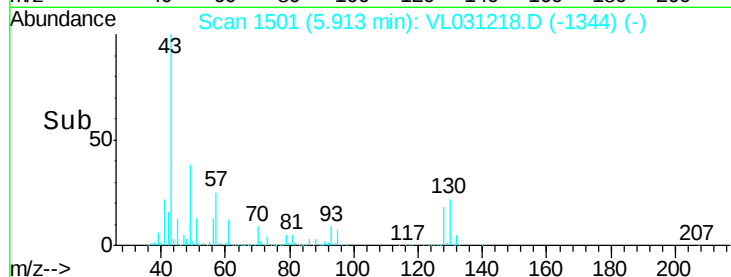
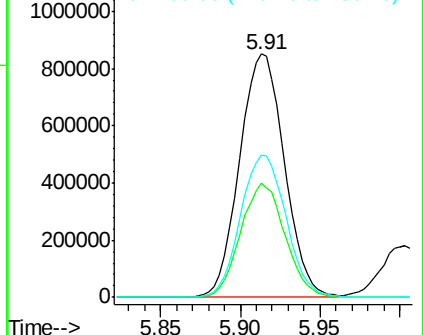
12/15/2017 4:07:00 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.22 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031218.D

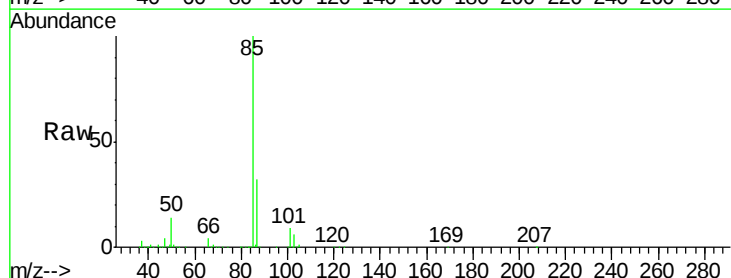
Acq: 14 Dec 2017 2:16

Tgt Ion: 85 Resp: 1366967

Ion Ratio Lower Upper

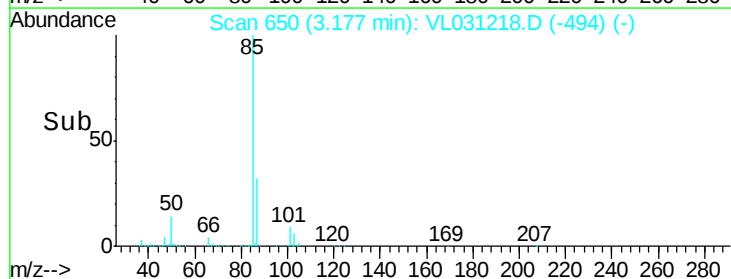
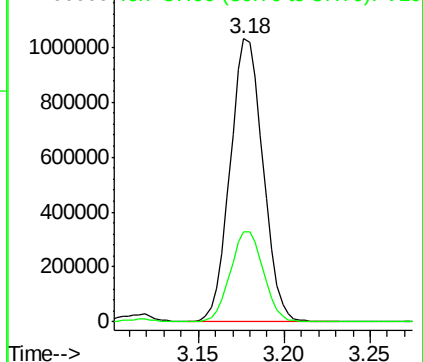
85 100

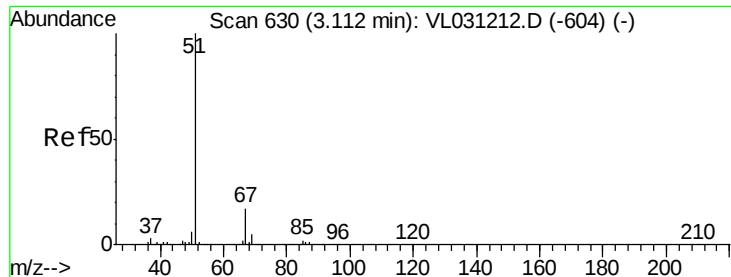
87 32.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.03 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 51 Resp: 2458949

Ion Ratio Lower Upper

51 100

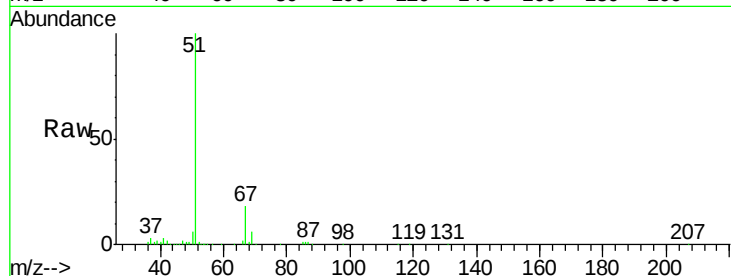
67 17.5 13.8 20.6

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2000000

1500000

1000000

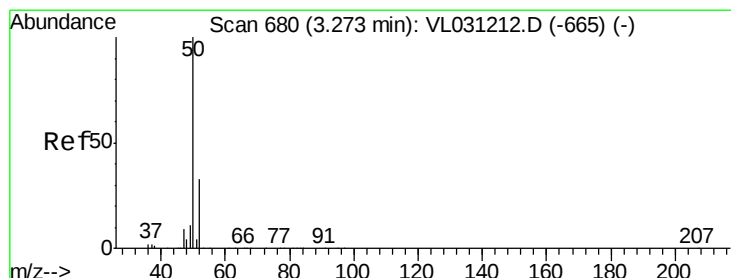
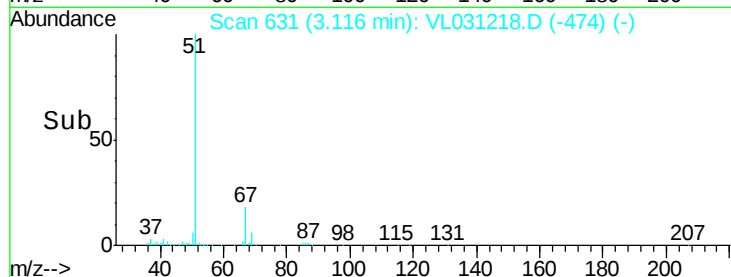
500000

0

Time-->

3.00 3.10 3.20

3.12



#4

Chloromethane

Concen: 16.55 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031218.D

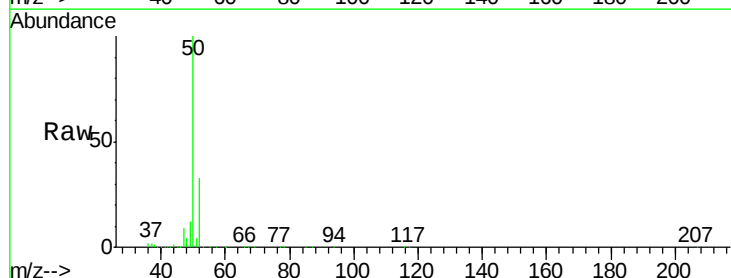
Acq: 14 Dec 2017 2:16

Tgt Ion: 50 Resp: 1384685

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

1000000

800000

600000

400000

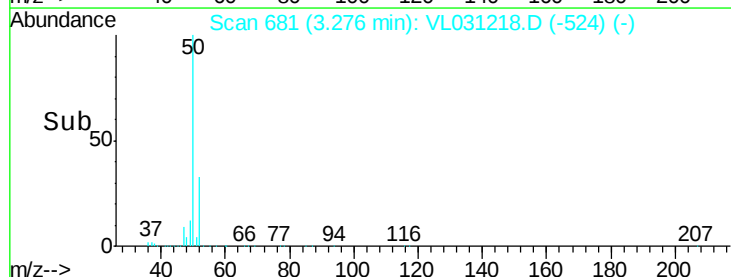
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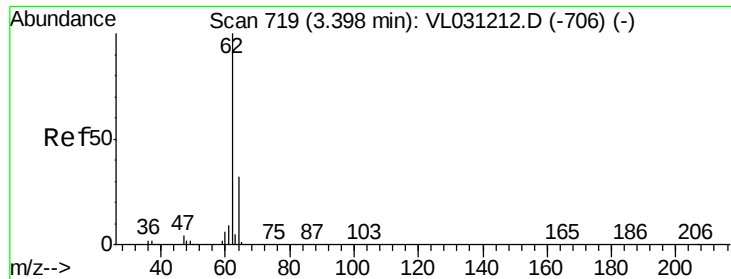
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Time-->

3.20 3.25 3.30

3.28





#5

Vinyl Chloride

Concen: 15.19 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1387562

Ion Ratio Lower Upper

62 100

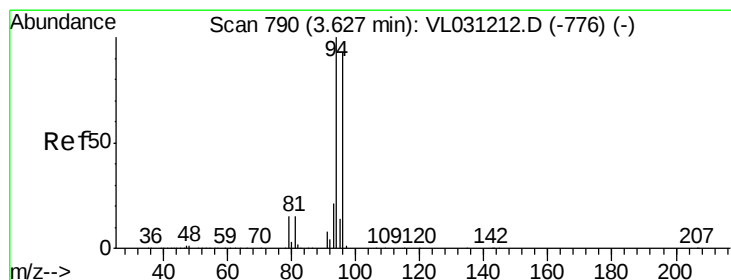
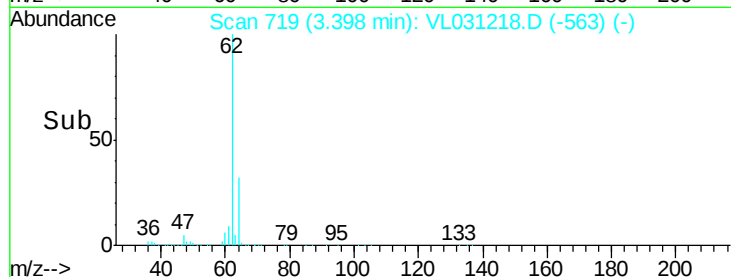
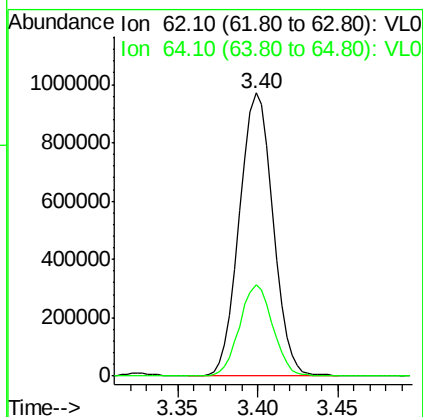
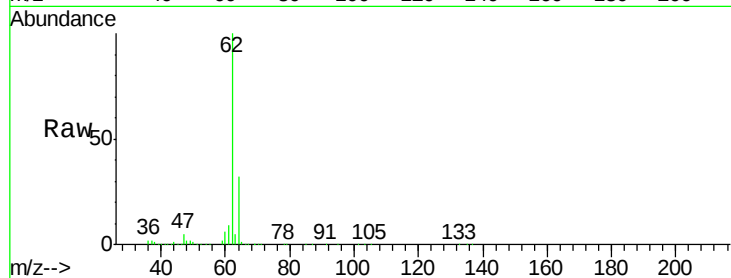
64 32.3 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 15.51 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031218.D

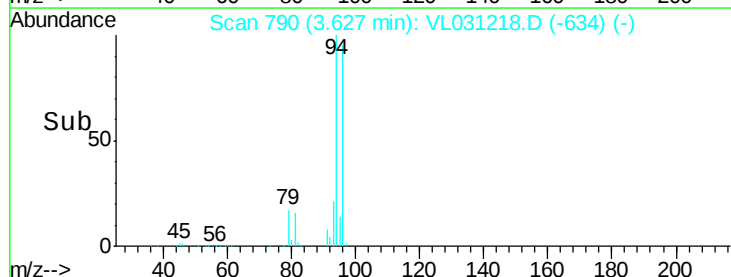
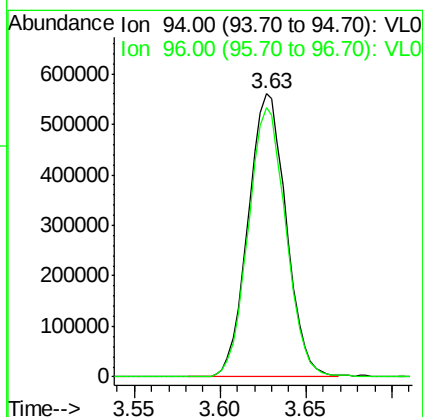
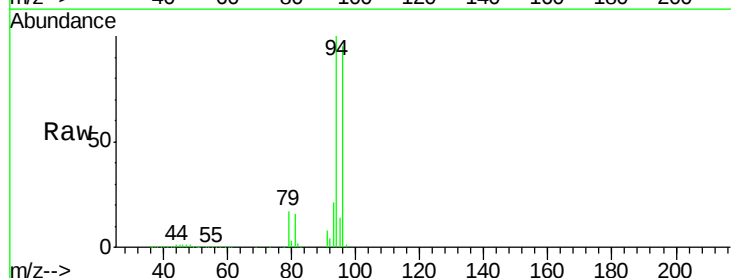
Acq: 14 Dec 2017 2:16

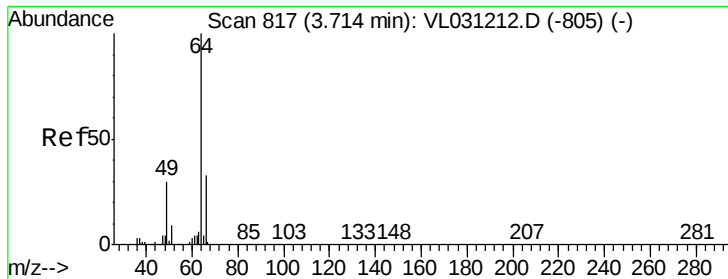
Tgt Ion: 94 Resp: 858063

Ion Ratio Lower Upper

94 100

96 95.3 74.4 111.6





#7

Chloroethane

Concen: 16.78 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 545712

Ion Ratio Lower Upper

64 100

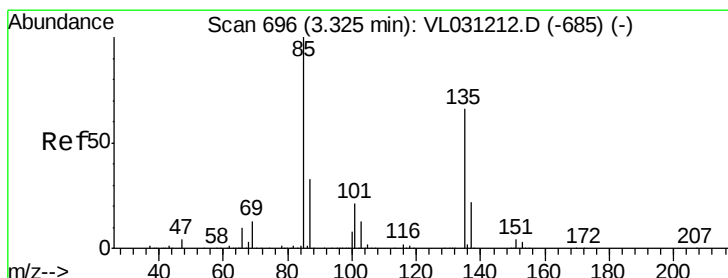
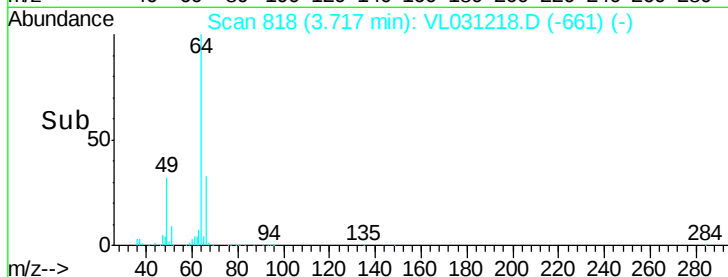
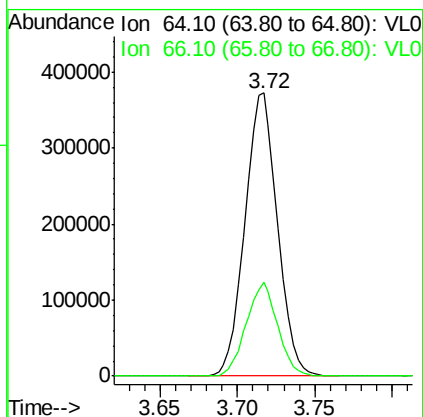
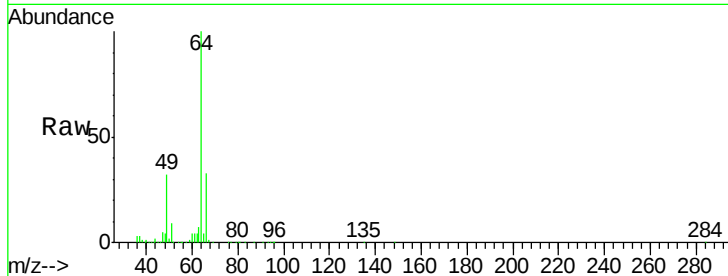
66 33.4 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.97 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031218.D

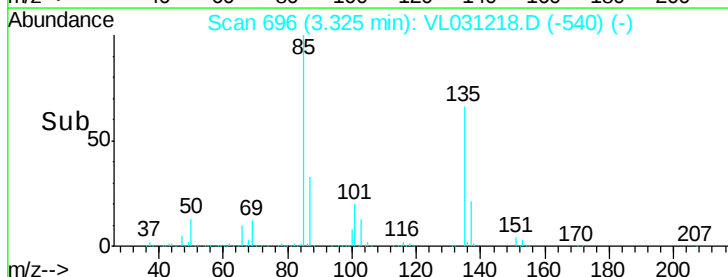
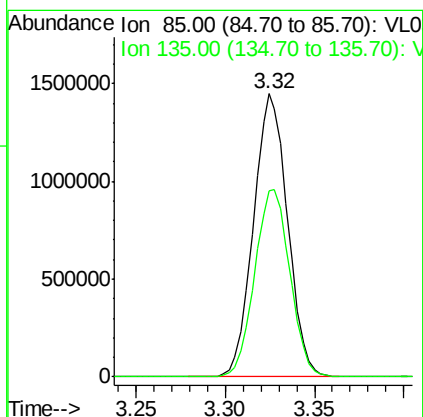
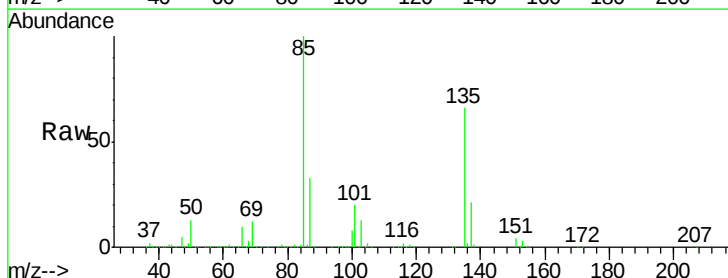
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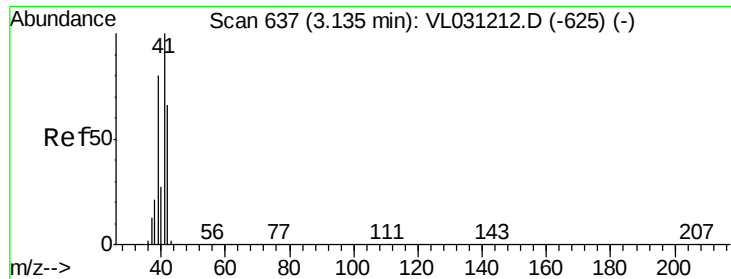
Tgt Ion: 85 Resp: 1936937

Ion Ratio Lower Upper

85 100

135 68.7 54.0 81.0





#9

Propene

Concen: 13.48 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 1245504

Ion Ratio Lower Upper

41 100

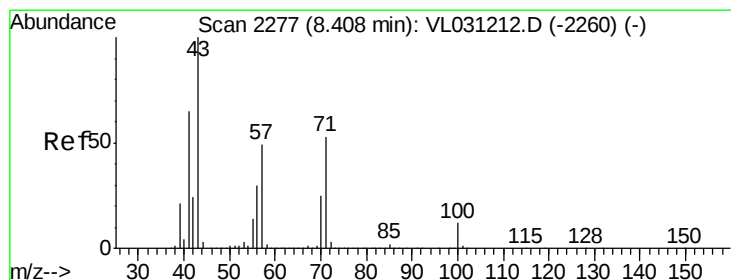
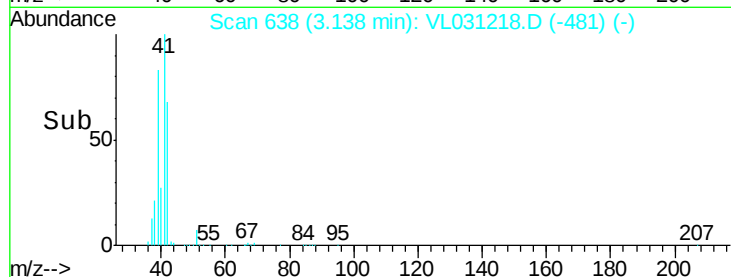
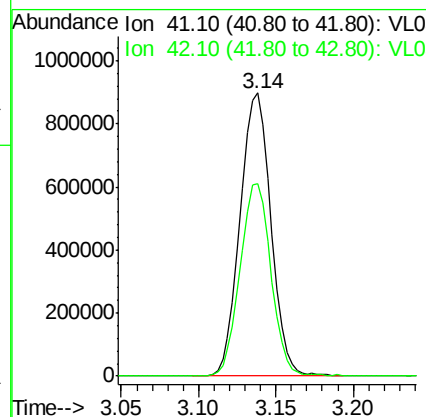
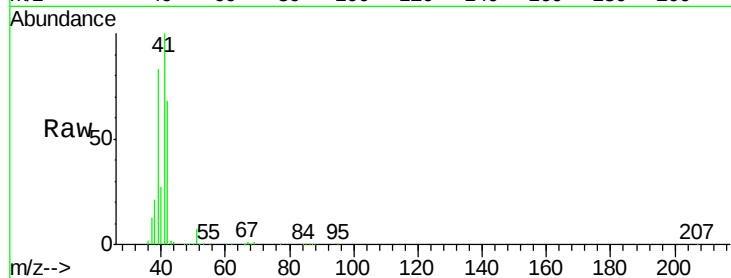
42 68.4 54.3 81.5

Manual Integrations

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#10

Heptane

Concen: 12.35 ppbv

RT: 8.41 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL031218.D

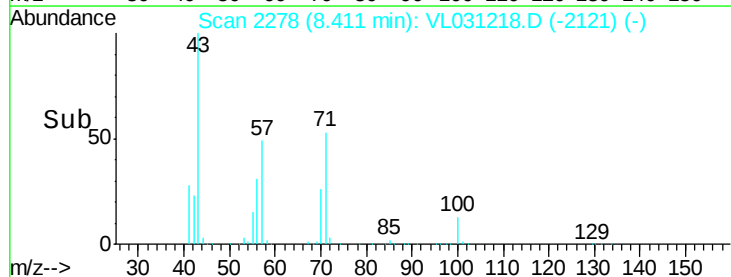
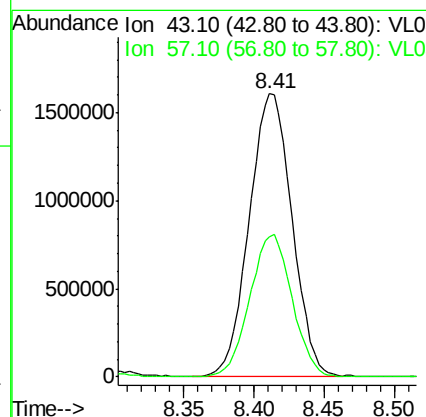
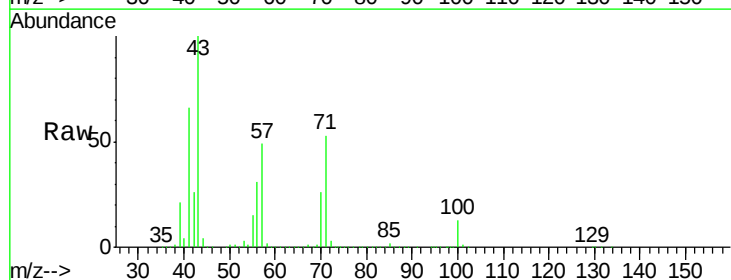
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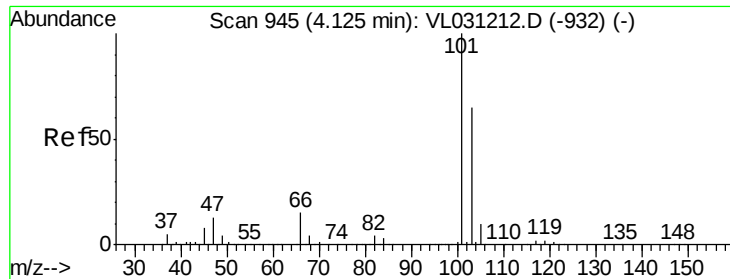
Tgt Ion: 43 Resp: 3395990

Ion Ratio Lower Upper

43 100

57 49.7 39.8 59.8





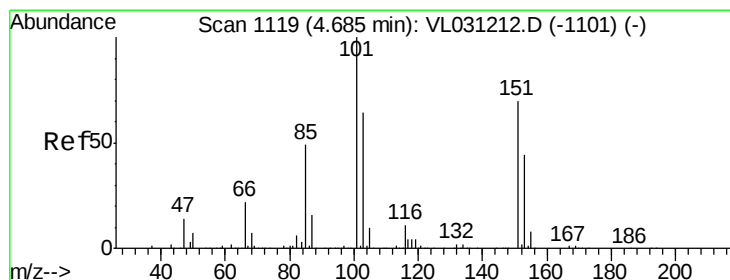
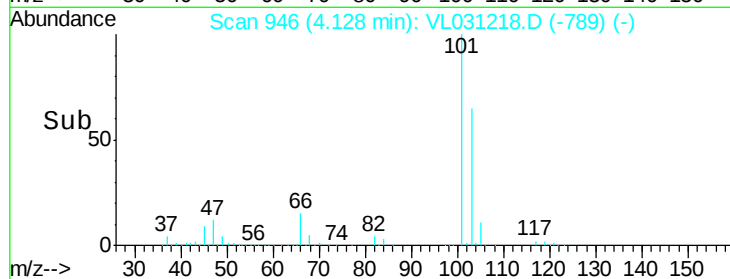
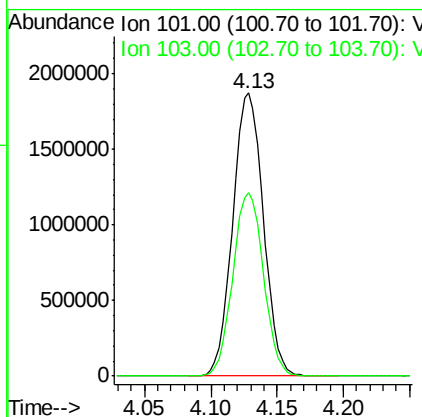
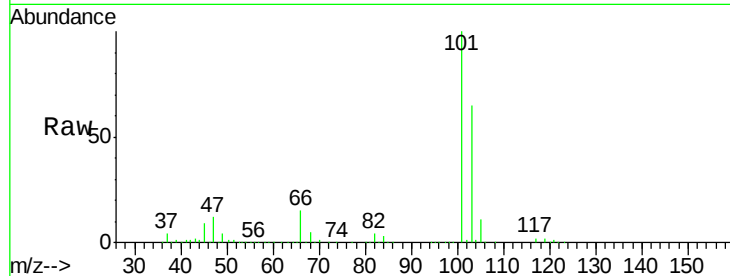
#11
 Trichlorofluoromethane
 Concen: 15.39 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3002507
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.8

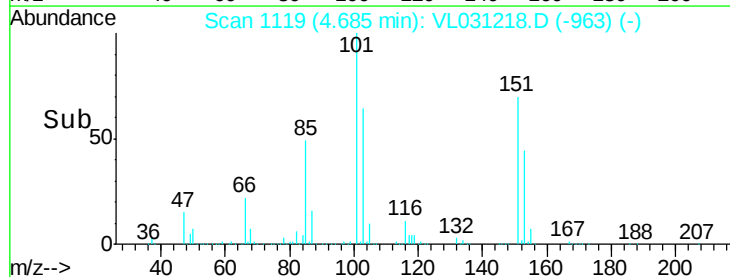
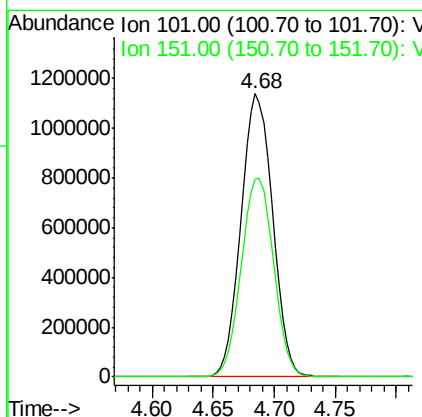
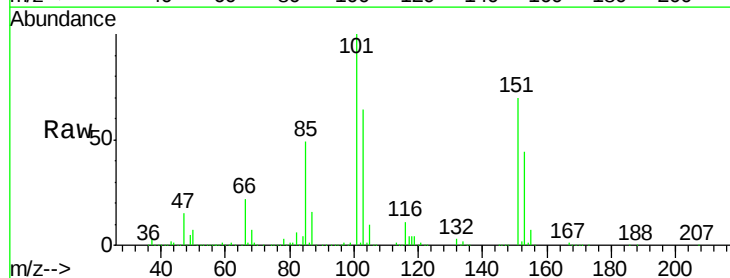
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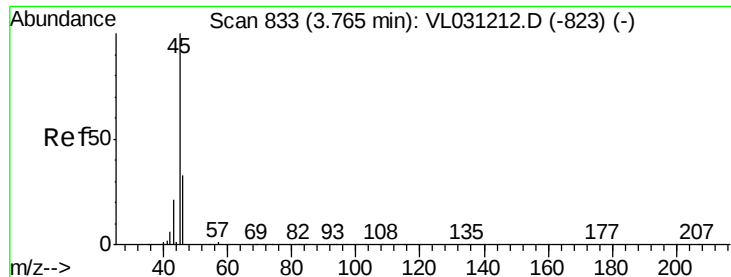
MMDadoda
 12/15/2017 4:07:00 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.54 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion:101 Resp: 2036785
 Ion Ratio Lower Upper
 101 100
 151 71.7 56.5 84.7





#13

Ethanol

Concen: 17.33 ppbv

RT: 3.77 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 306561

Ion Ratio Lower Upper

45 100

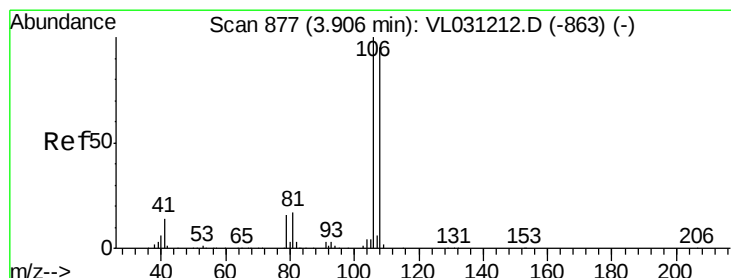
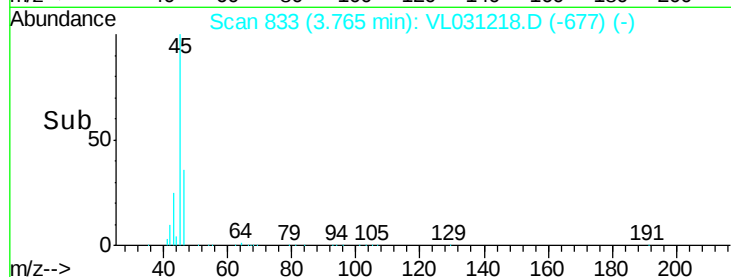
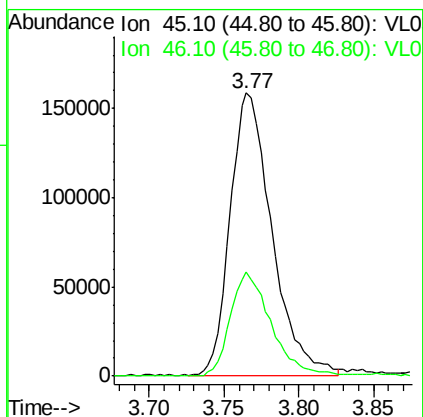
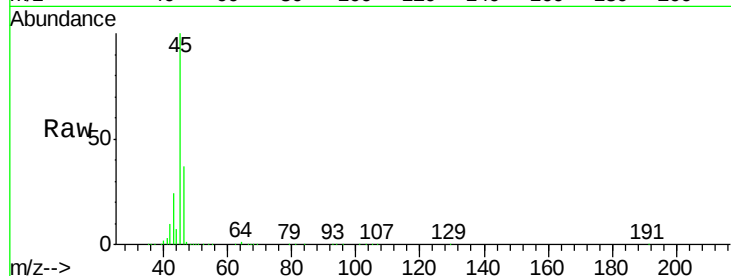
46 37.4 14.6 58.4

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#14

Bromoethene

Concen: 15.95 ppbv

RT: 3.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

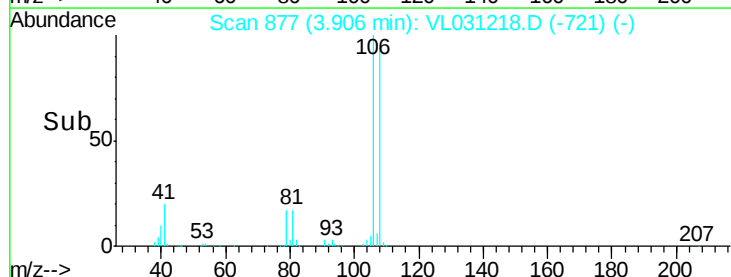
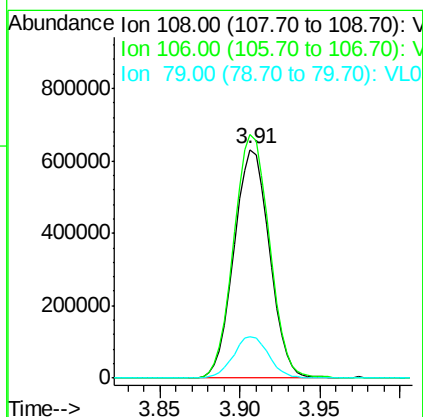
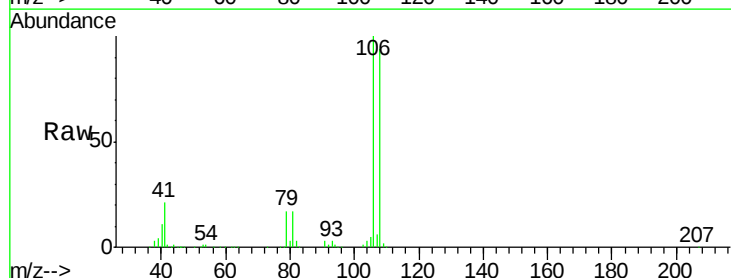
Tgt Ion: 108 Resp: 952810

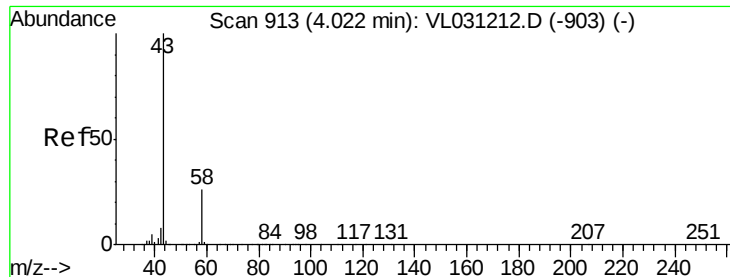
Ion Ratio Lower Upper

108 100

106 107.8 86.5 129.7

79 18.2 14.2 21.4





#15

Acetone

Concen: 14.92 ppbv

RT: 4.02 min Scan# 913

Delta R.T. -0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2440629

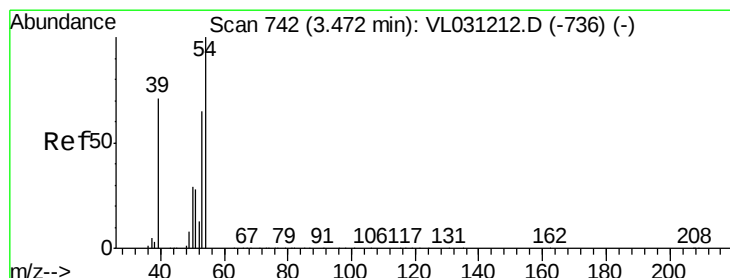
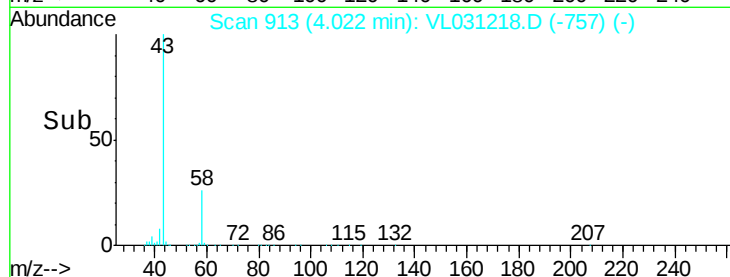
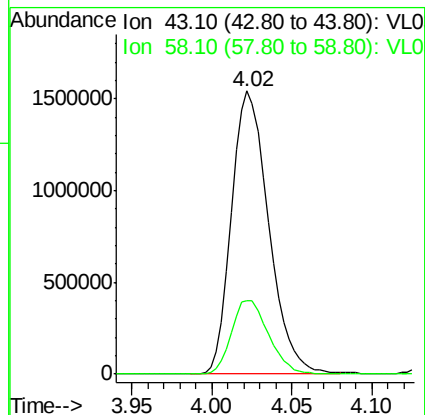
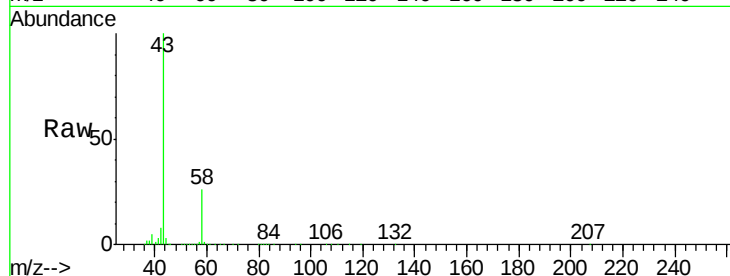
Ion Ratio Lower Upper

43 100

58 26.0 20.3 30.5

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#16

1,3-Butadiene

Concen: 17.07 ppbv

RT: 3.47 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL031218.D

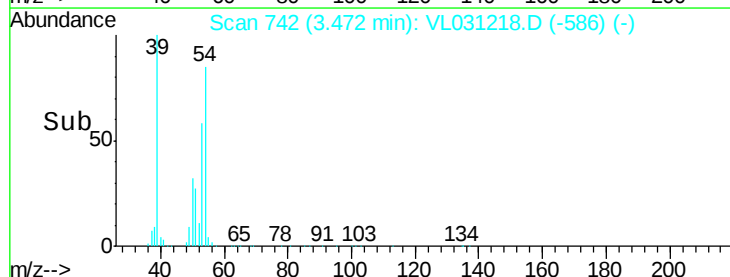
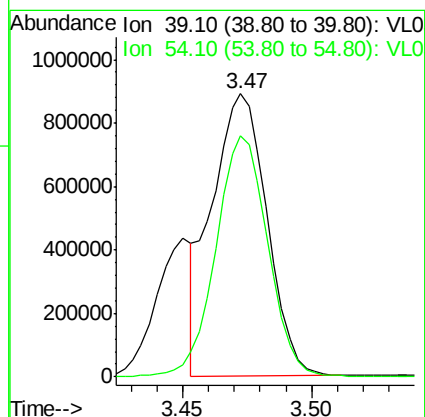
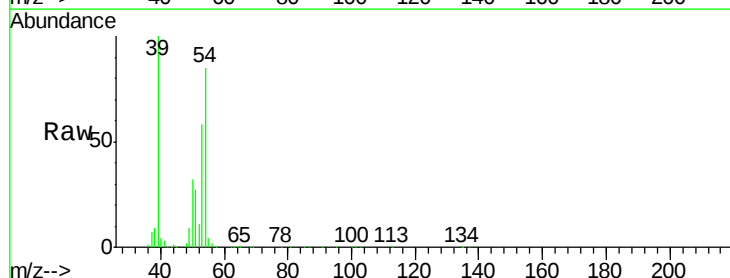
Acq: 14 Dec 2017 2:16

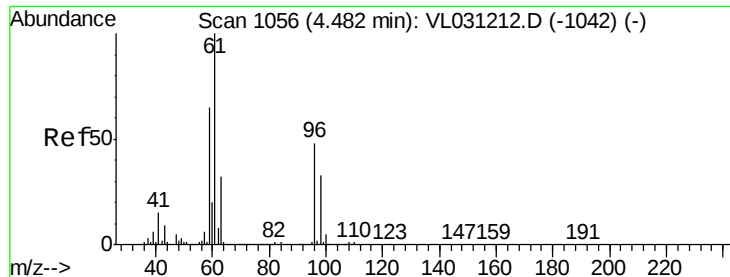
Tgt Ion: 39 Resp: 1316005

Ion Ratio Lower Upper

39 100

54 81.6 66.4 99.6





#17

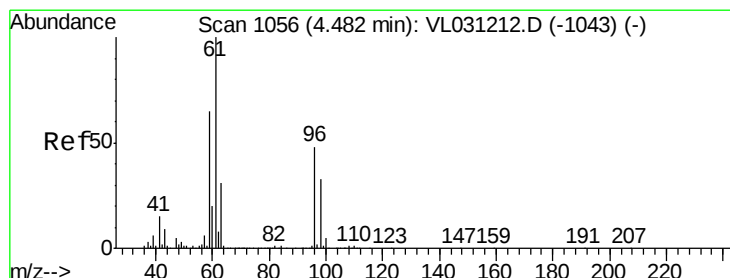
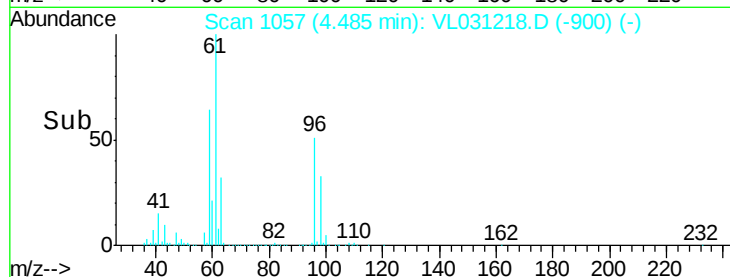
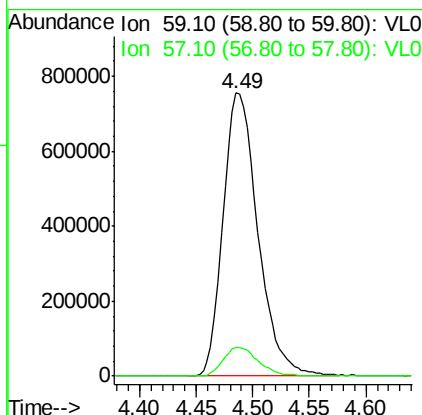
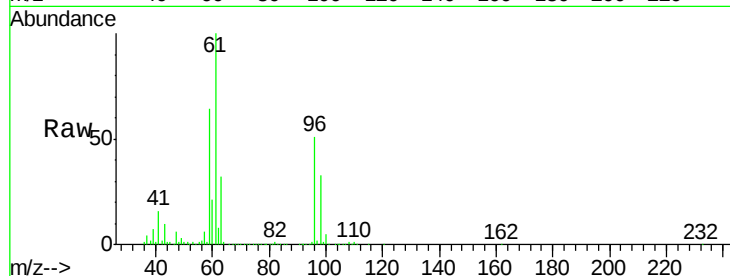
tert-Butyl alcohol
 Concen: 20.40 ppbv
 RT: 4.49 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 59 Resp: 1620525
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

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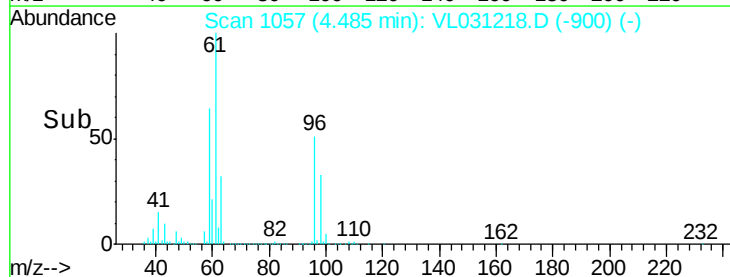
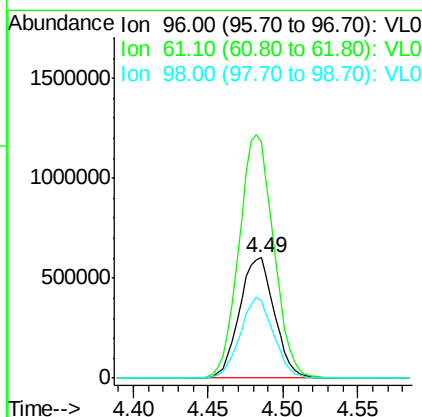
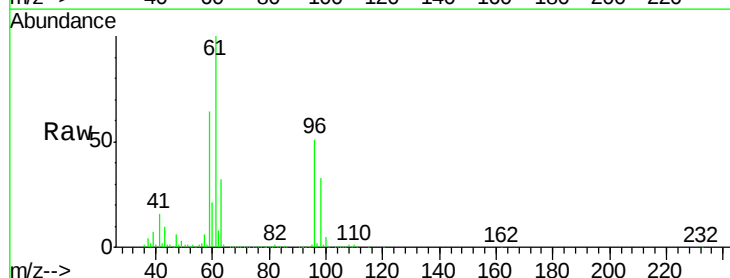
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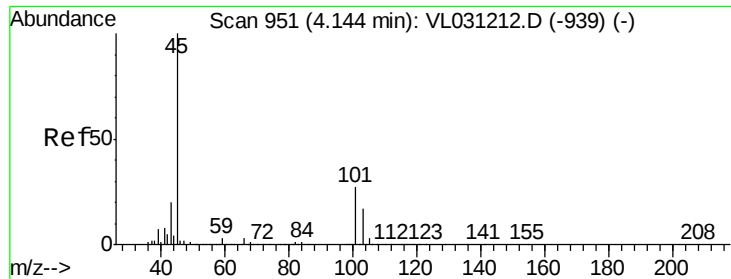


#18

1,1-Dichloroethene
 Concen: 17.35 ppbv
 RT: 4.49 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion: 96 Resp: 979983
 Ion Ratio Lower Upper
 96 100
 61 195.9 166.8 250.2
 98 63.9 55.0 82.6





#19

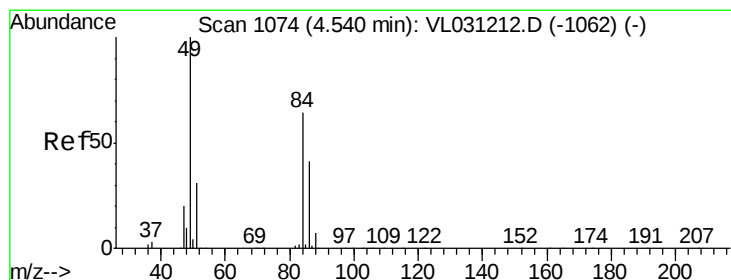
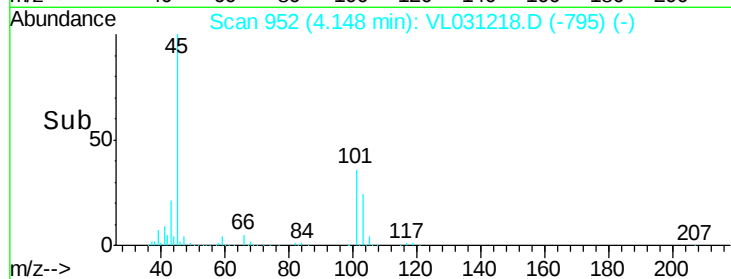
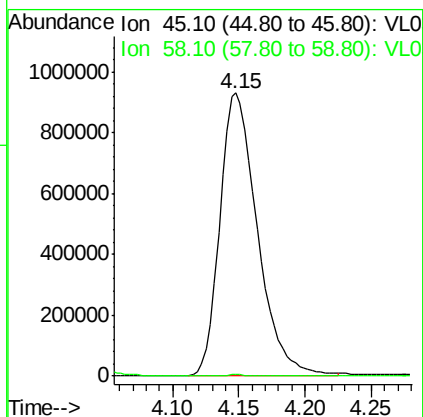
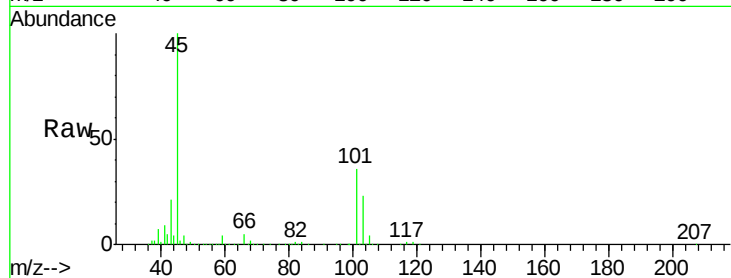
Isopropyl Alcohol
 Concen: 19.08 ppbv
 RT: 4.15 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC015

Tot Ion: 45 Resp: 1822423
 Ion Ratio Lower Upper
 45 100
 58 35.0 27.2 40.8

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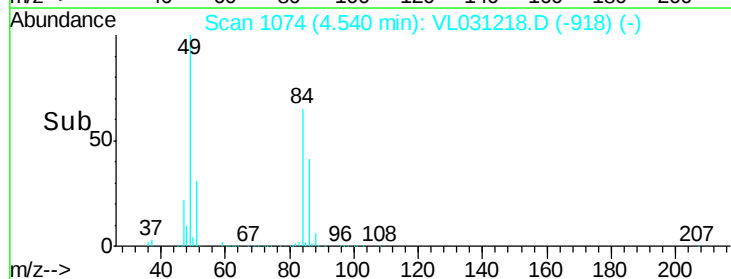
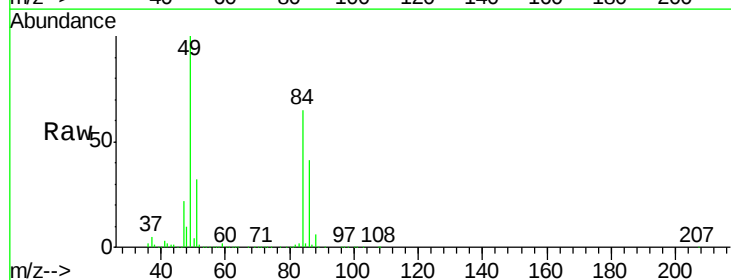
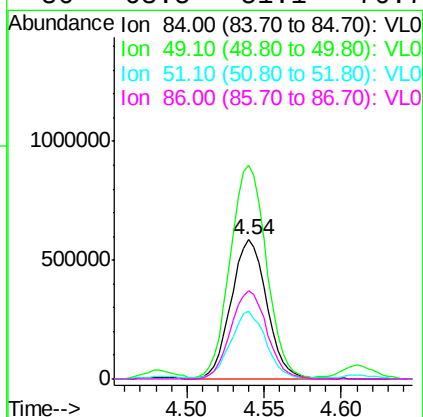
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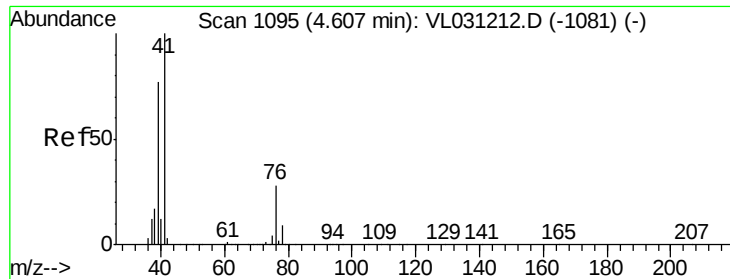


#20

Methylene Chloride
 Concen: 16.45 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion: 84 Resp: 935656
 Ion Ratio Lower Upper
 84 100
 49 152.4 125.8 188.6
 51 47.6 39.3 58.9
 86 63.5 51.1 76.7





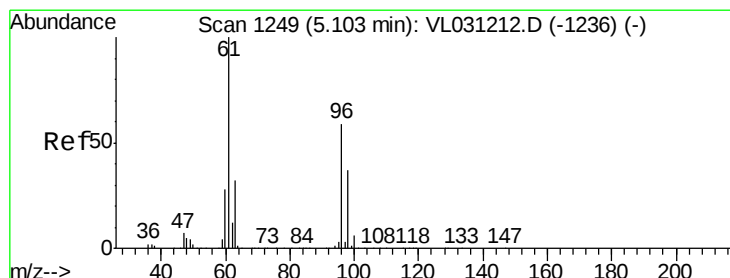
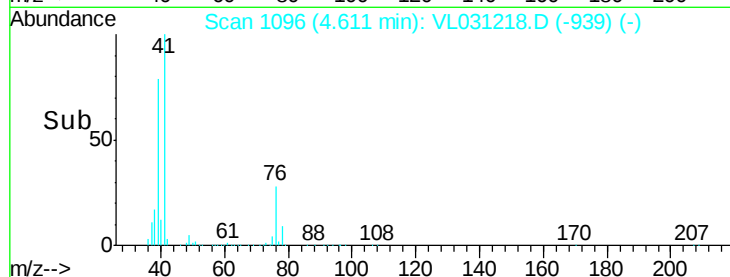
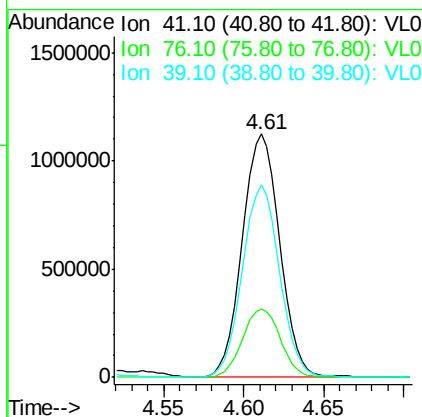
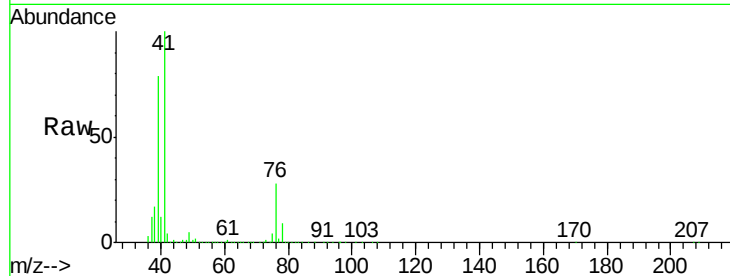
#21
Allvl Chloride
Concen: 21.86 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.9	34.3
39	78.8	62.6	93.8

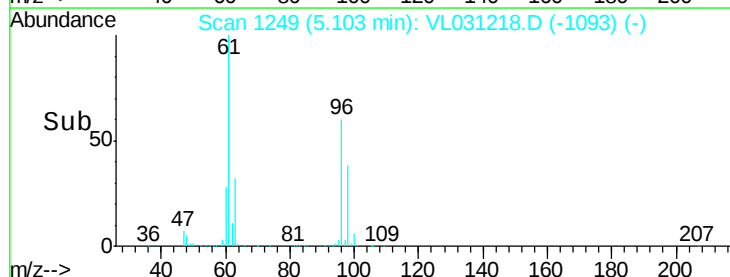
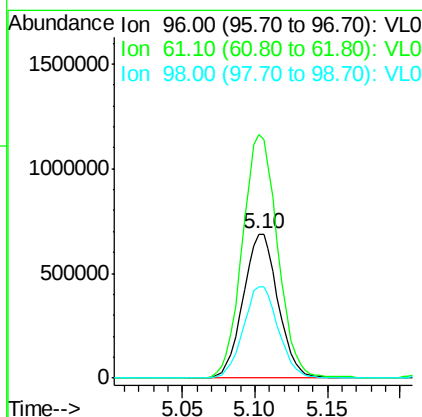
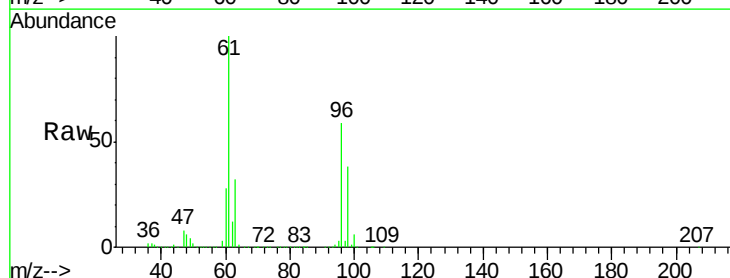
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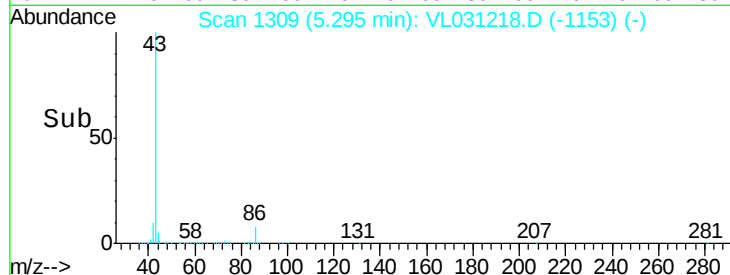
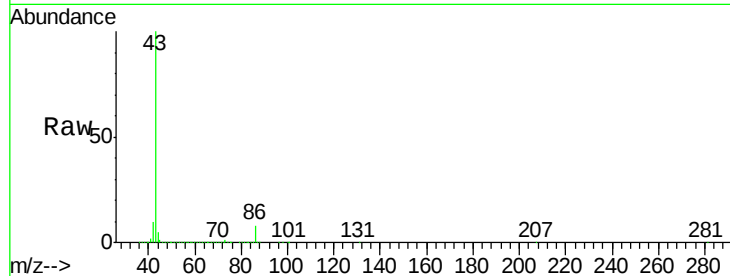
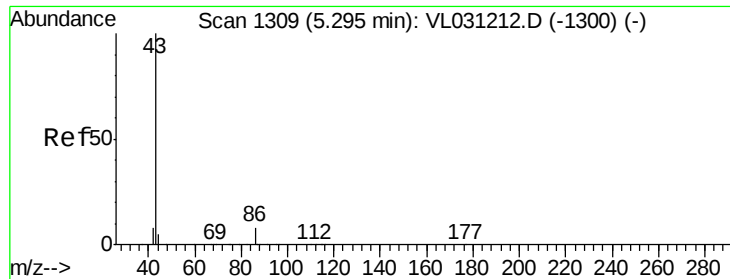
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#22
trans-1,2-Dichloroethene
Concen: 16.32 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	135.0	202.4
98	63.7	50.5	75.7





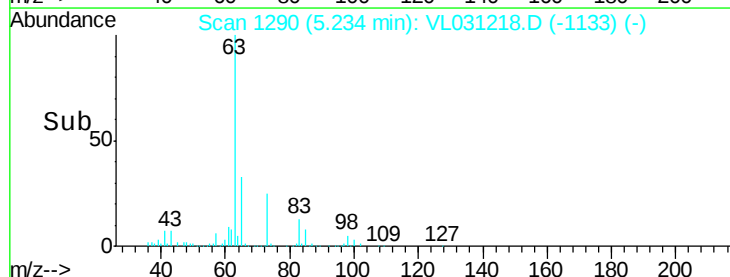
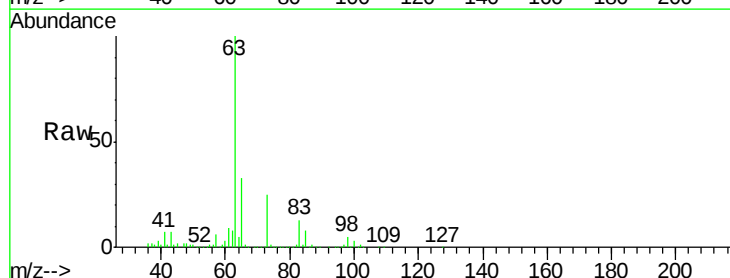
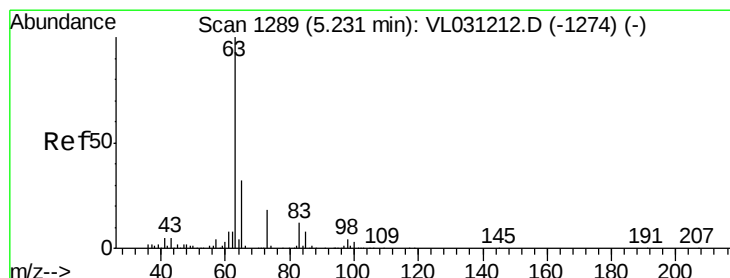
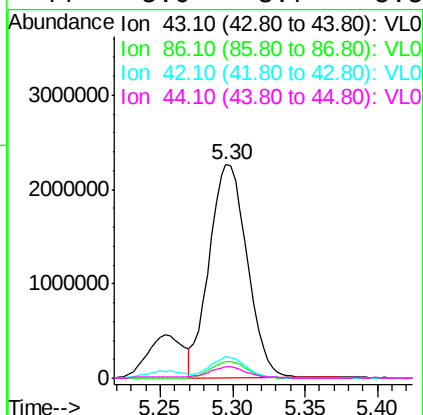
#23
 Vinyl Acetate
 Concen: 14.02 ppbv
 RT: 5.30 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tot Ion: 43 Resp: 4084326
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.9 8.9
 42 10.0 7.3 10.9
 44 5.0 3.7 5.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

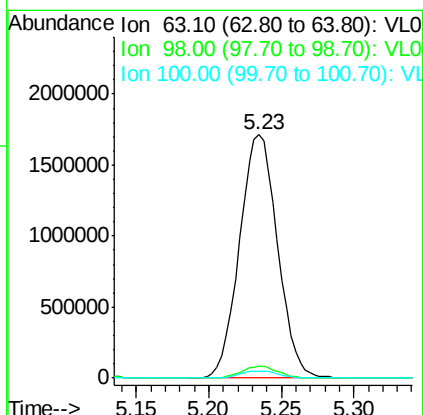
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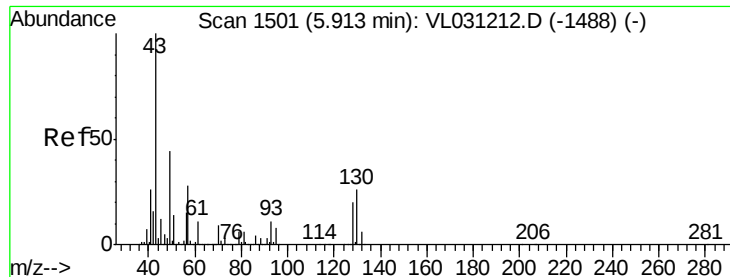
MMDadoda
 12/15/2017 4:07:00 PM



#24
 1,1-Dichloroethane
 Concen: 12.41 ppbv
 RT: 5.23 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion: 63 Resp: 3117484
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.8
 100 2.9 1.4 4.2





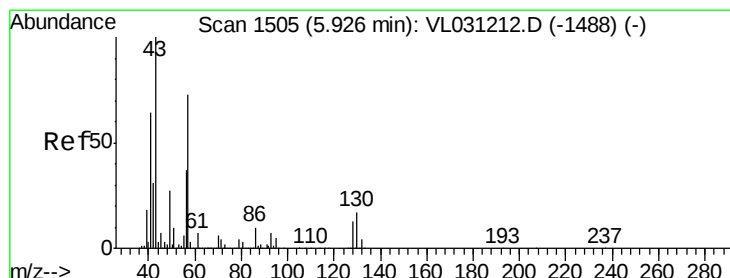
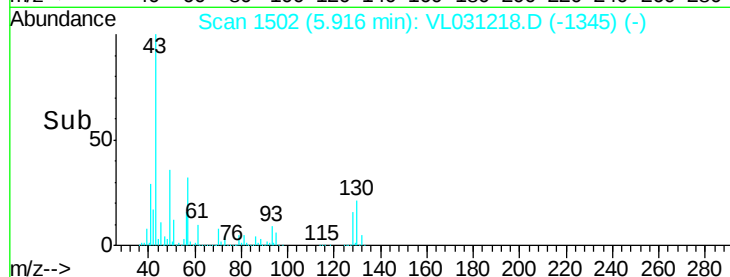
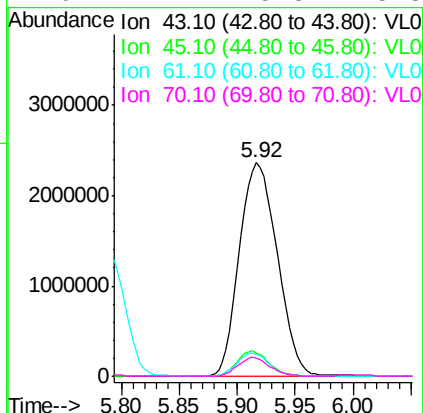
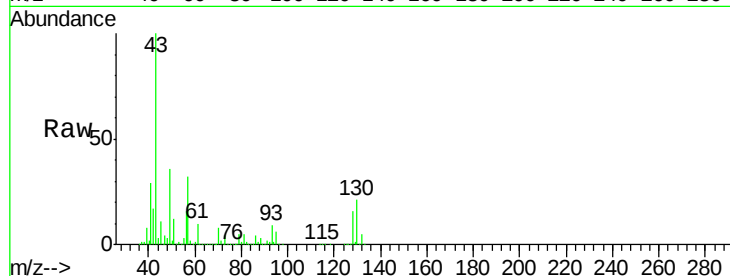
#25
Ethyl Acetate
Concen: 13.19 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	43	Resp	5362812
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.2	7.4	11.0
70	7.4	5.8	8.8

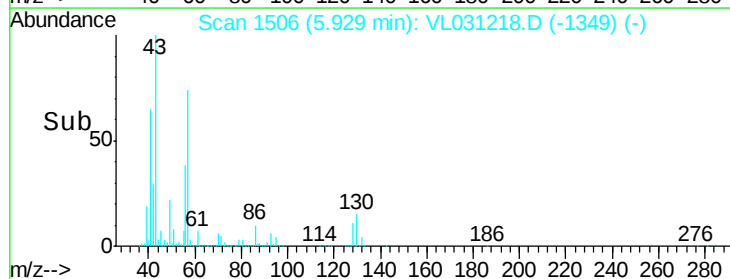
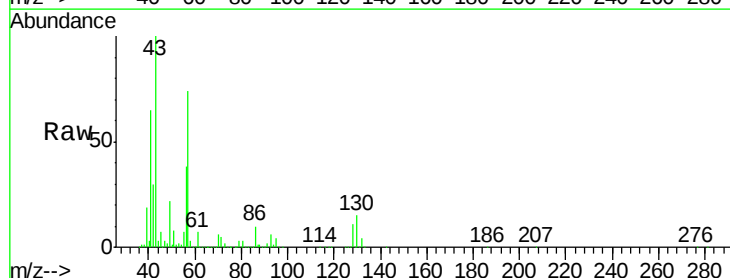
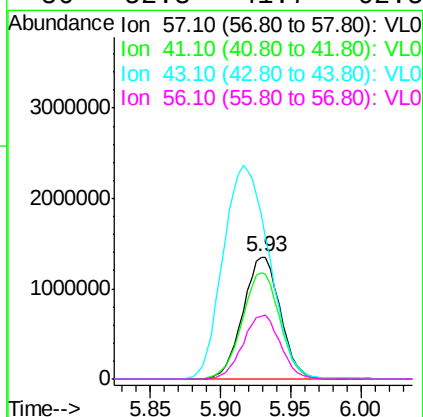
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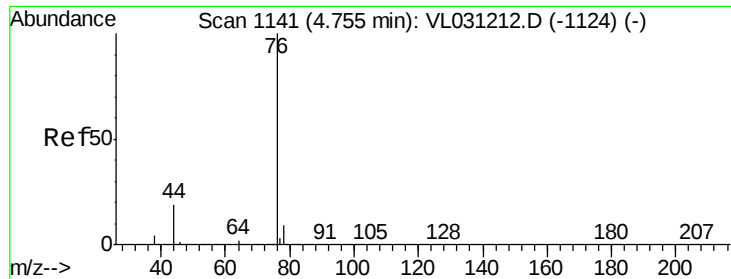
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#26
Hexane
Concen: 12.66 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion	57	Resp	2503797
Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.3	105.5
43	214.9	173.8	260.8
56	52.3	41.7	62.5





#27

Carbon Disulfide

Concen: 20.44 ppbv

RT: 4.76 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2837376

Ion Ratio Lower Upper

76 100

44 19.7 16.0 24.0

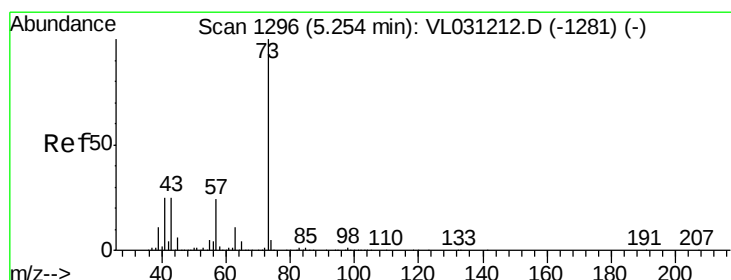
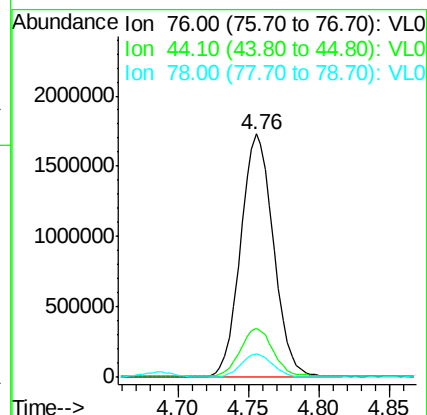
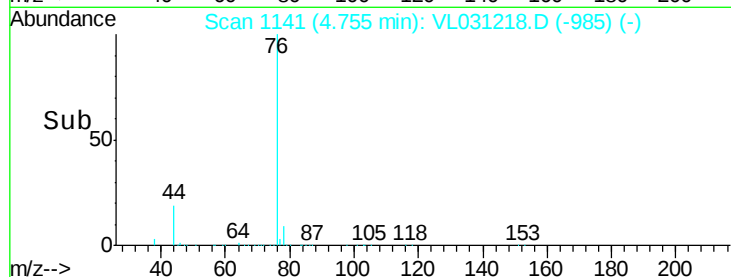
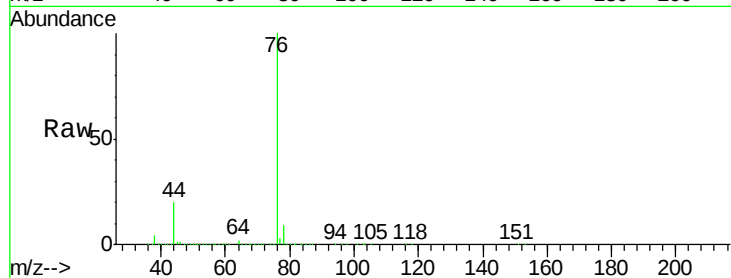
78 9.3 7.5 11.3

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 15.51 ppbv

RT: 5.25 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VL031218.D

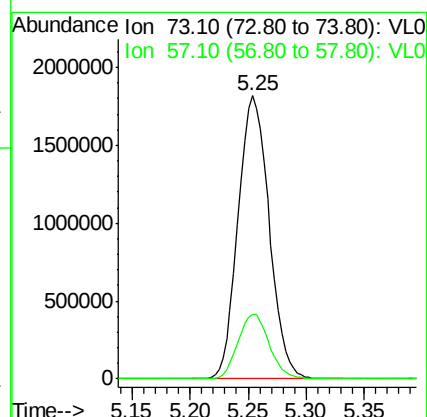
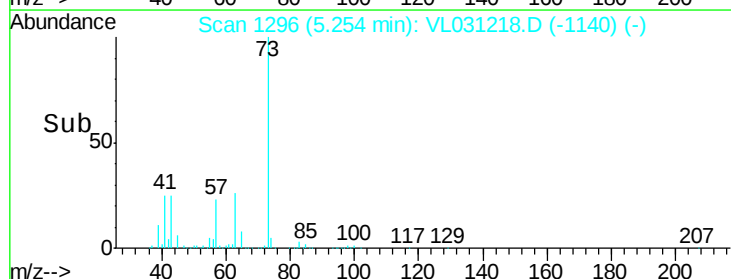
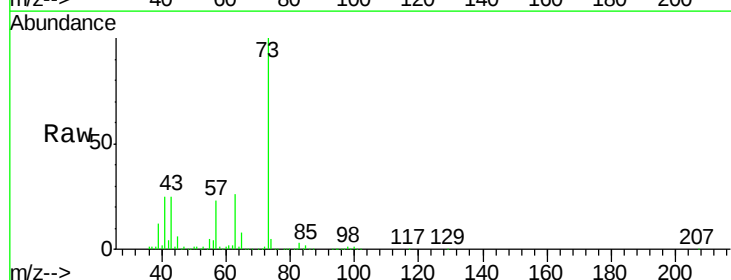
Acq: 14 Dec 2017 2:16

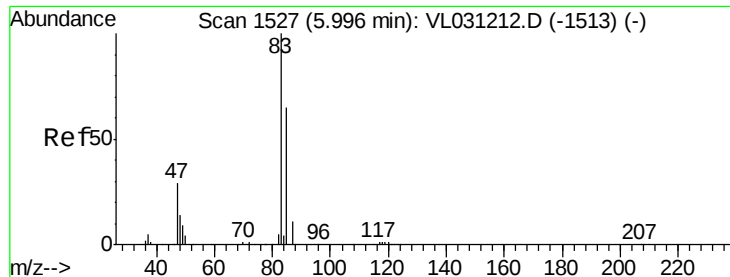
Tgt Ion: 73 Resp: 3387108

Ion Ratio Lower Upper

73 100

57 23.1 18.5 27.7





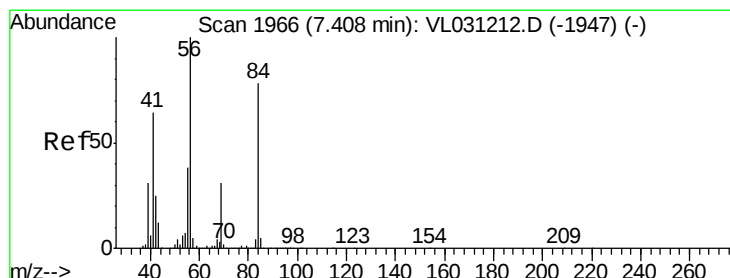
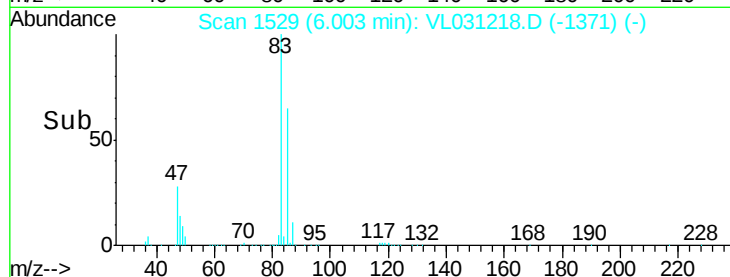
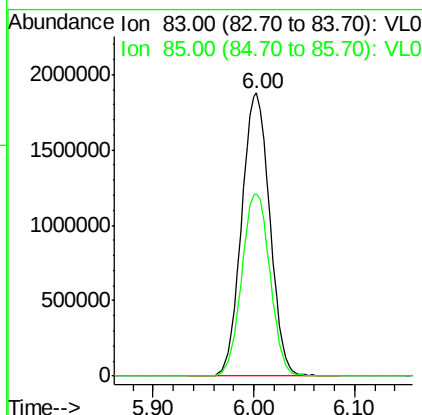
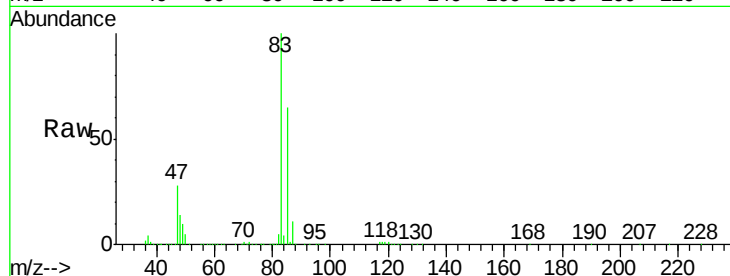
#29
Chloroform
Concen: 12.75 ppbv
RT: 6.00 min Scan# 1529
Delta R.T. 0.01 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3612293
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.6

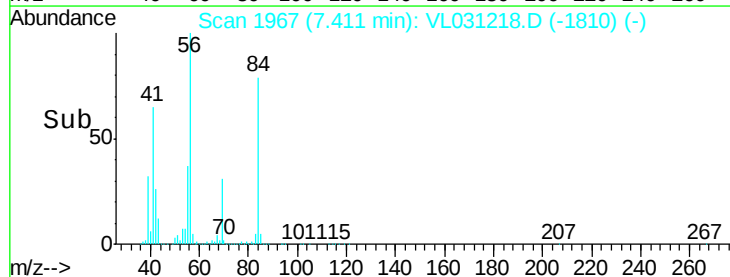
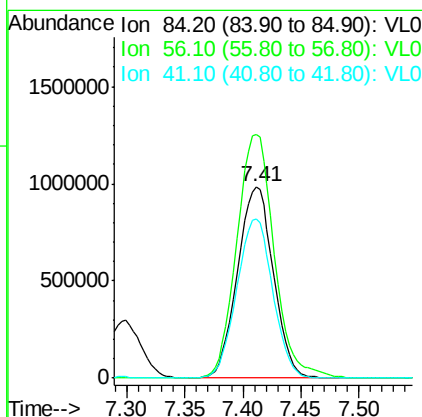
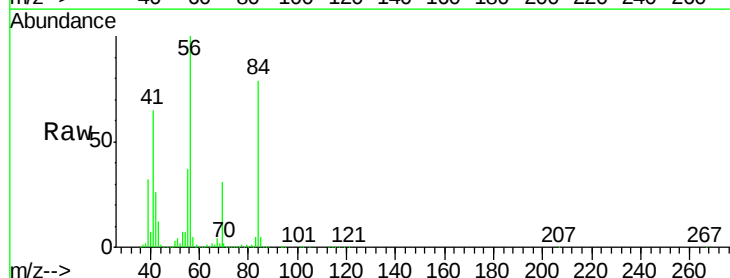
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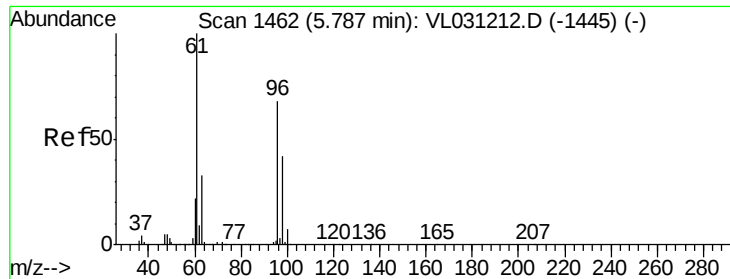
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#30
Cyclohexane
Concen: 13.37 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 84 Resp: 2113718
Ion Ratio Lower Upper
84 100
56 133.6 108.0 162.0
41 83.7 66.2 99.4





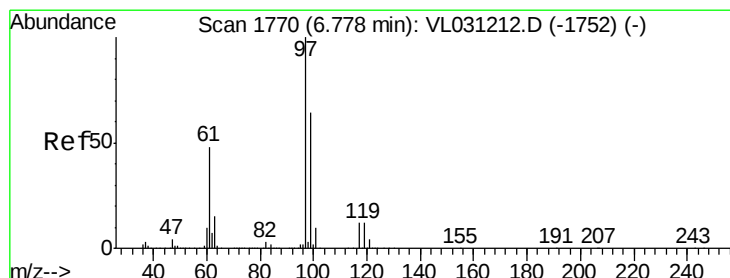
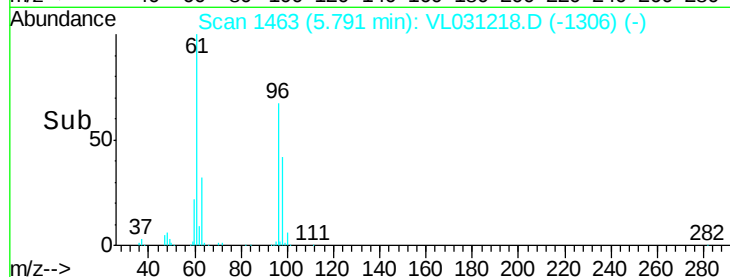
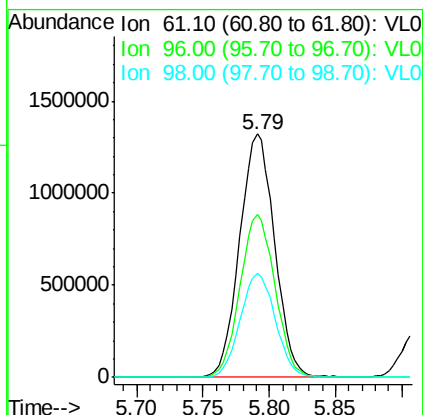
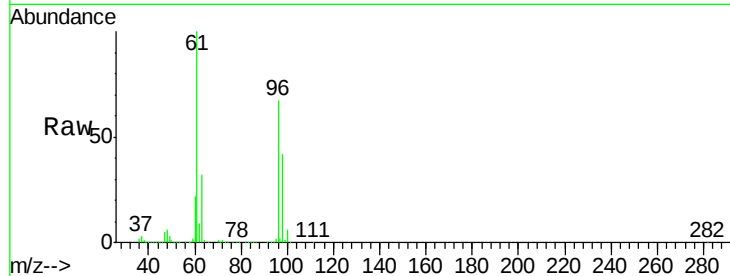
#31
 cis-1,2-Dichloroethene
 Concen: 12.80 ppbv
 RT: 5.79 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.0	54.4	81.6
98	42.5	33.6	50.4

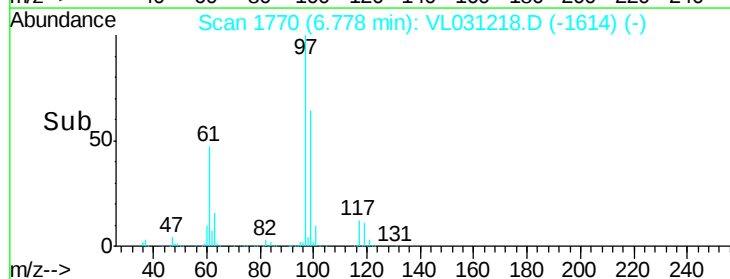
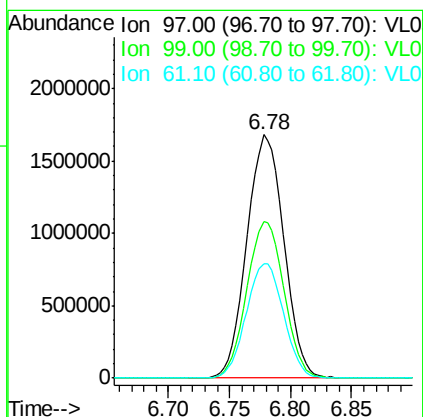
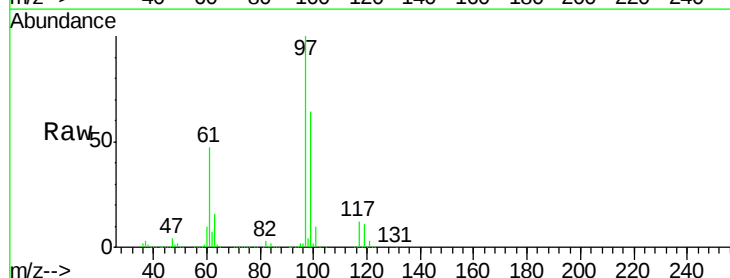
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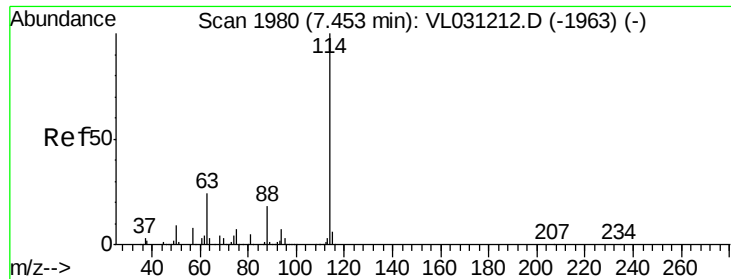
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#32
 1,1,1-Trichloroethane
 Concen: 14.90 ppbv
 RT: 6.78 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	47.7	38.4	57.6





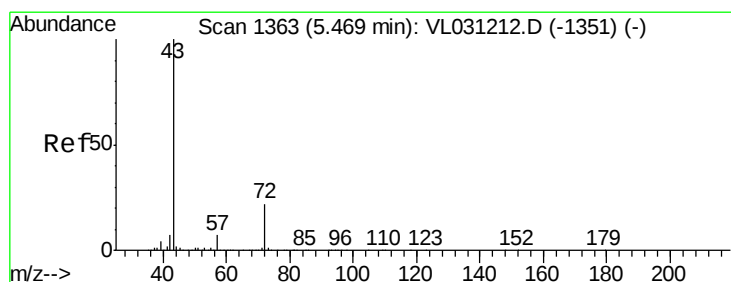
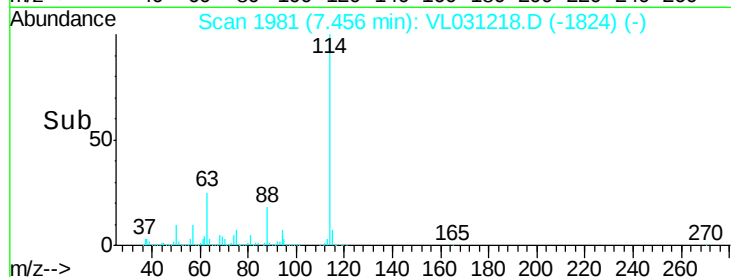
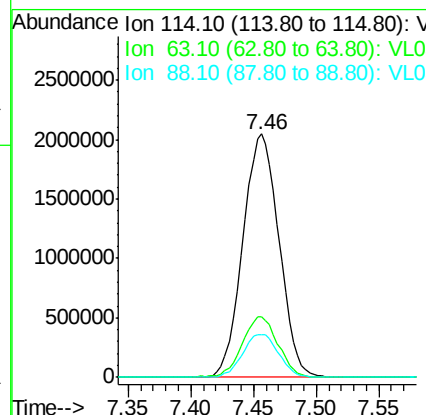
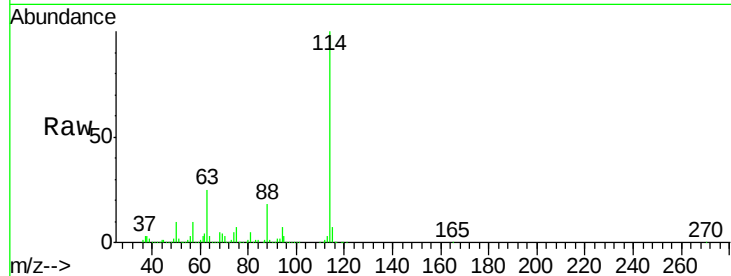
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:114 Resp: 4102323
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.8 29.8
 88 17.6 14.2 21.4

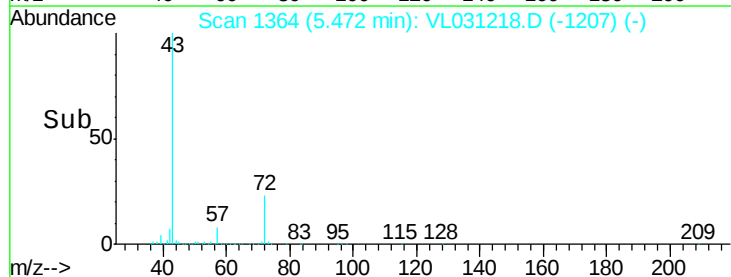
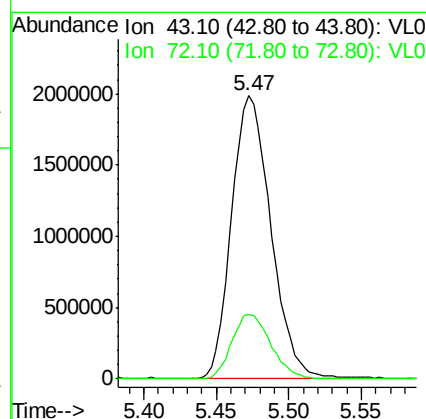
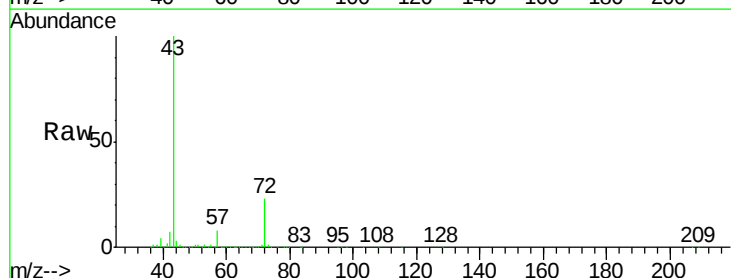
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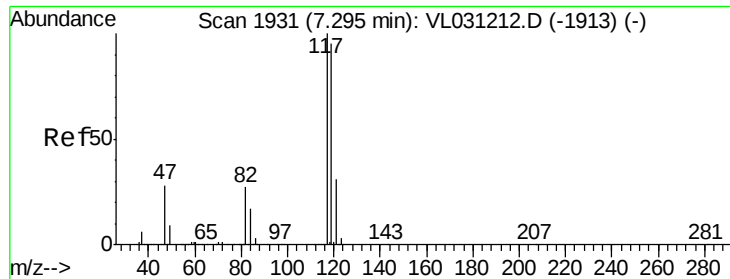
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#34
 2-Butanone
 Concen: 11.02 ppbv
 RT: 5.47 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion: 43 Resp: 3709781
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.1 27.1





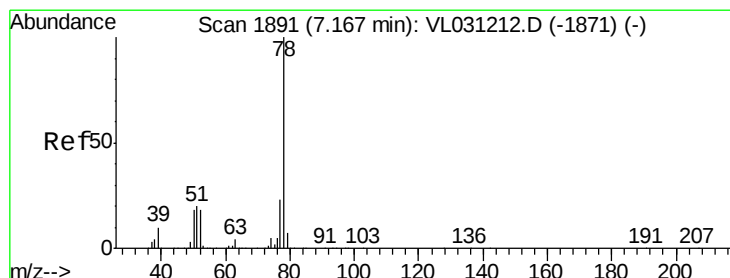
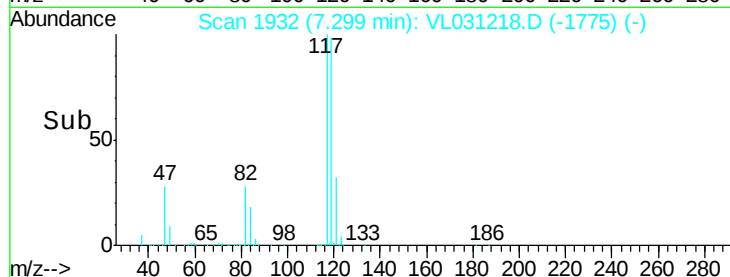
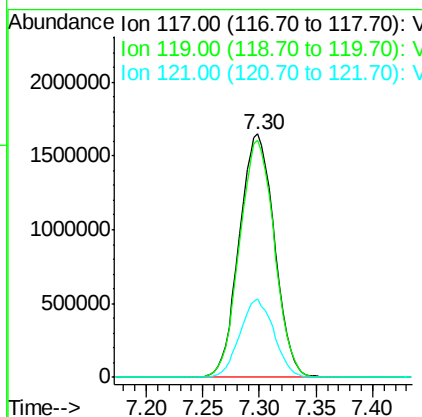
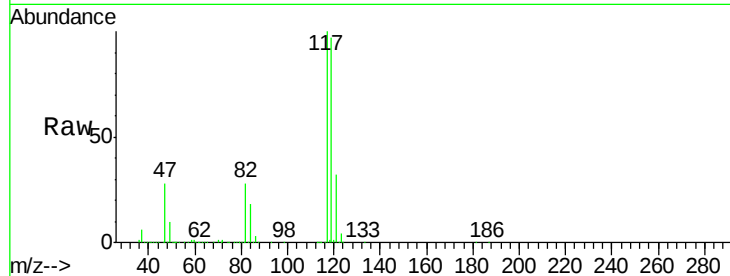
#35
Carbon Tetrachloride
Concen: 12.38 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 3568360
Ion Ratio Lower Upper
117 100
119 97.4 75.9 113.9
121 32.0 24.6 37.0

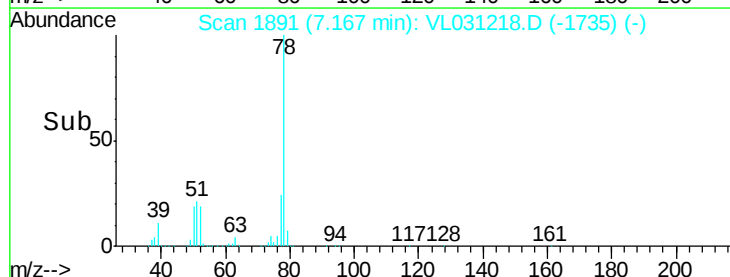
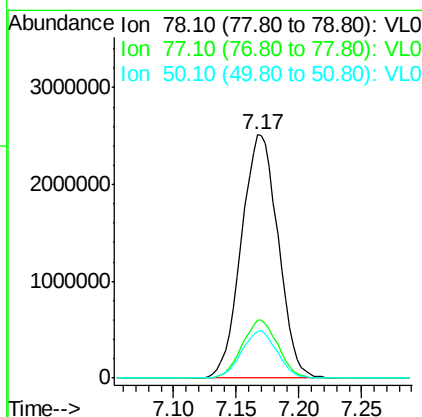
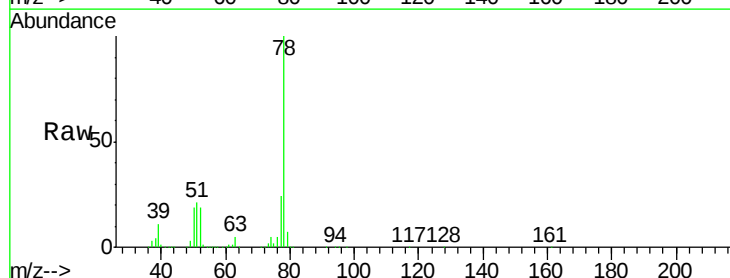
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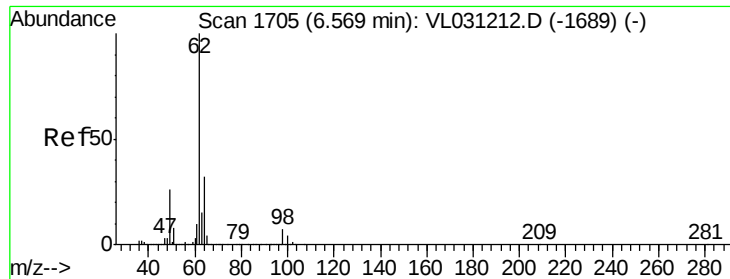
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#36
Benzene
Concen: 10.94 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 78 Resp: 5138618
Ion Ratio Lower Upper
78 100
77 23.8 18.1 27.1
50 18.9 14.6 21.8





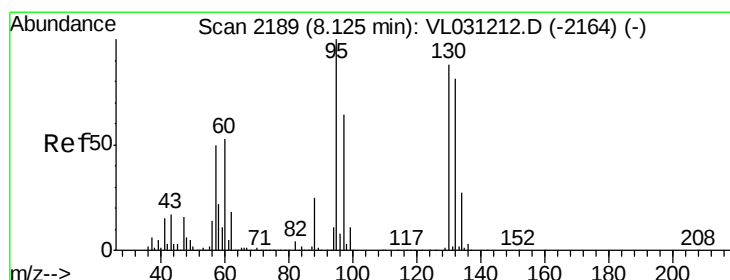
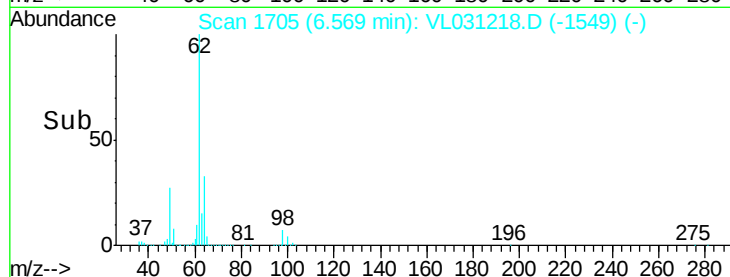
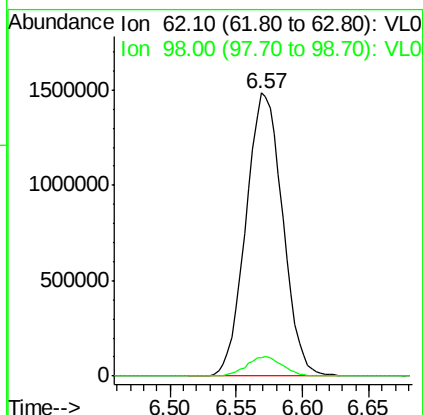
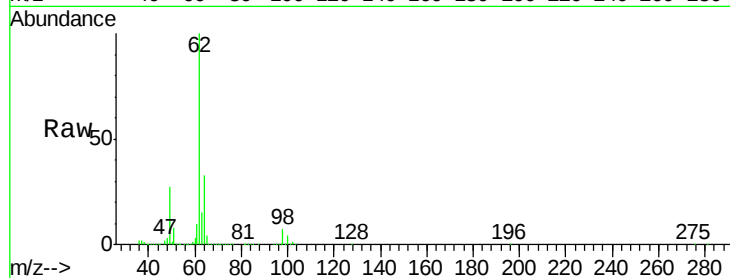
#37
1,2-Dichloroethane
Concen: 10.39 ppbv
RT: 6.57 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 62 Resp: 2867155
Ion Ratio Lower Upper
62 100
98 6.8 5.4 8.2

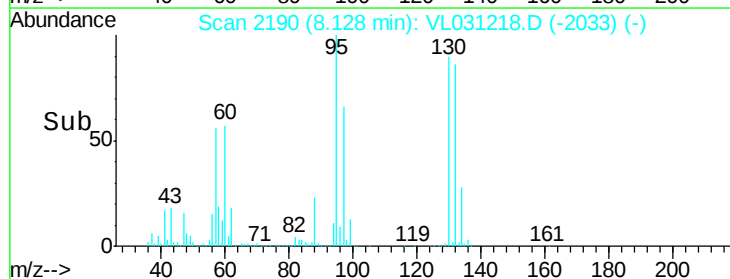
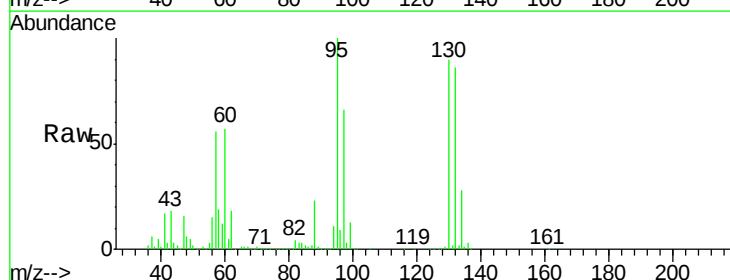
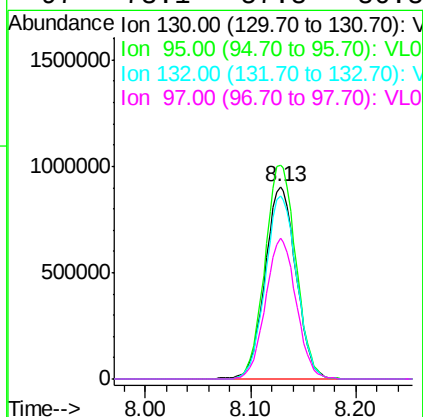
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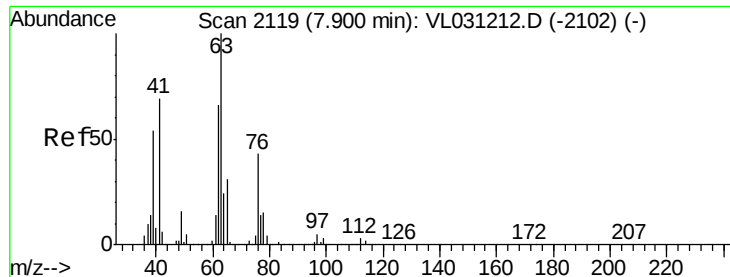
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#38
Trichloroethene
Concen: 10.34 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion:130 Resp: 1848277
Ion Ratio Lower Upper
130 100
95 111.2 90.6 135.8
132 95.2 73.5 110.3
97 73.1 57.8 86.8





#39

1,2-Dichloropropane

Concen: 10.44 ppbv

RT: 7.90 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1875965

Ion Ratio Lower Upper

63 100

41 73.5 55.2 82.8

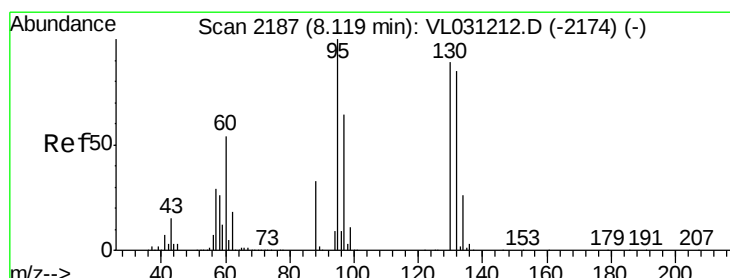
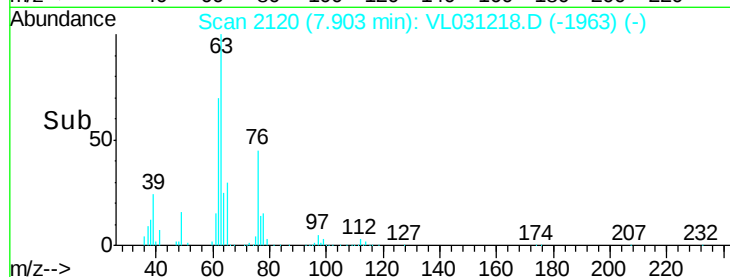
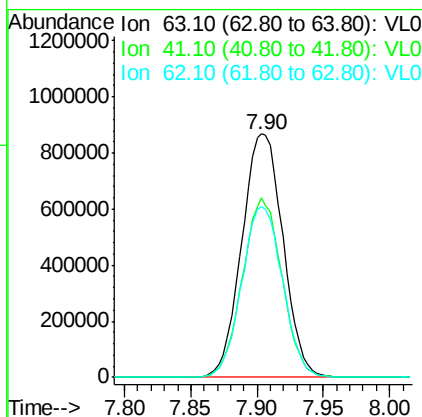
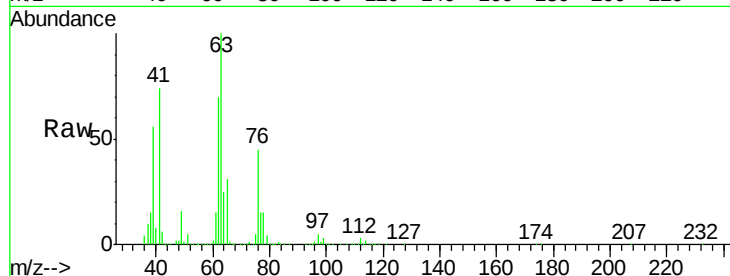
62 70.0 53.0 79.4

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#40

1,4-Dioxane

Concen: 10.23 ppbv

RT: 8.12 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Tgt Ion: 88 Resp: 731243

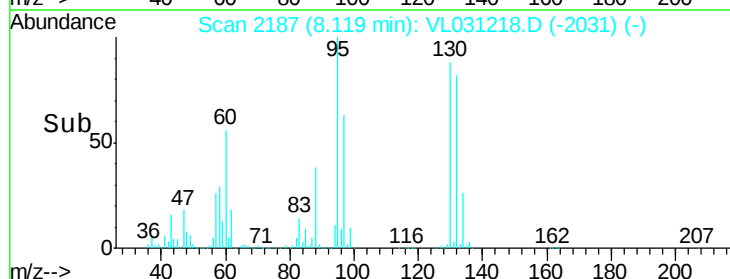
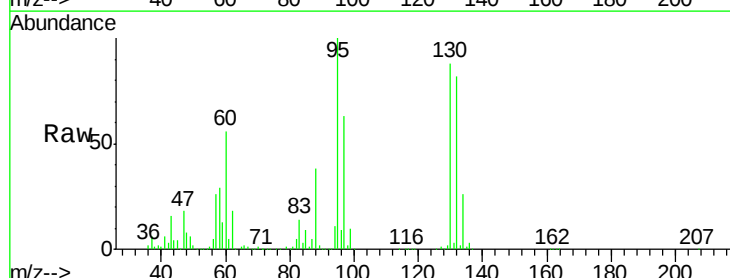
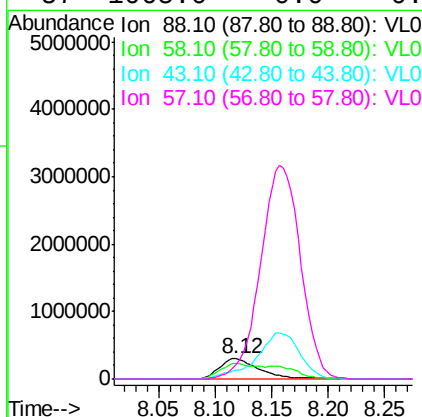
Ion Ratio Lower Upper

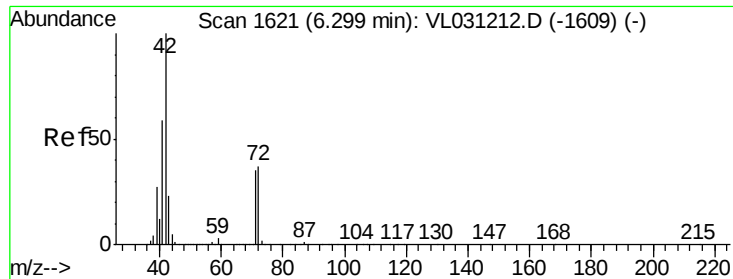
88 100

58 124.8 104.3 156.5

43 248.3 0.0 0.0#

57 1065.0 0.0 0.0#





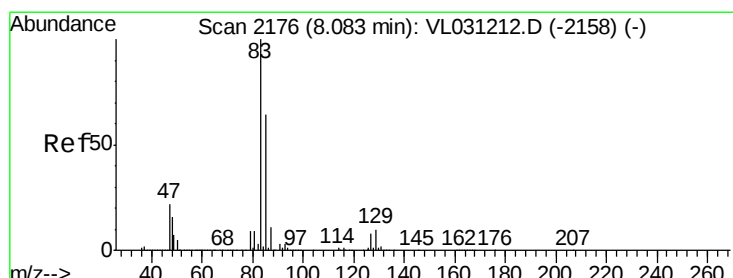
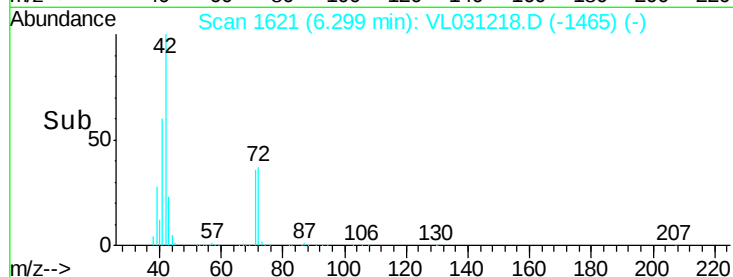
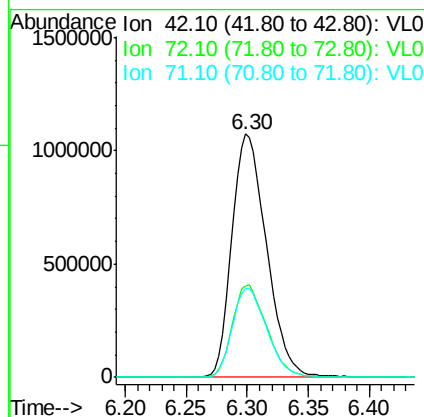
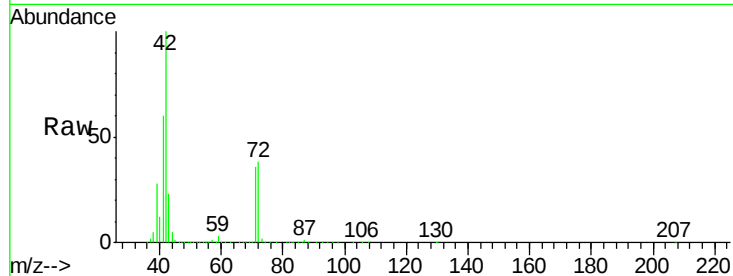
#41
Tetrahydrofuran
Concen: 12.02 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.2	45.4
71	36.7	29.0	43.6

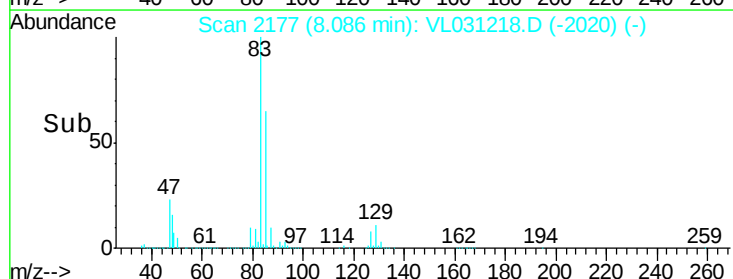
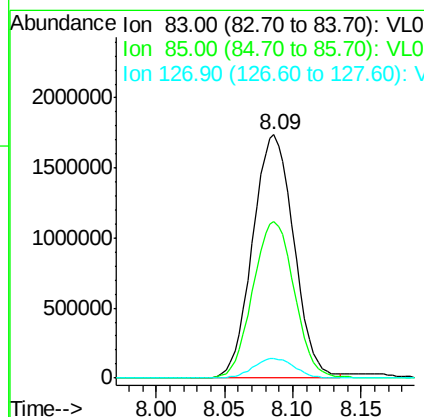
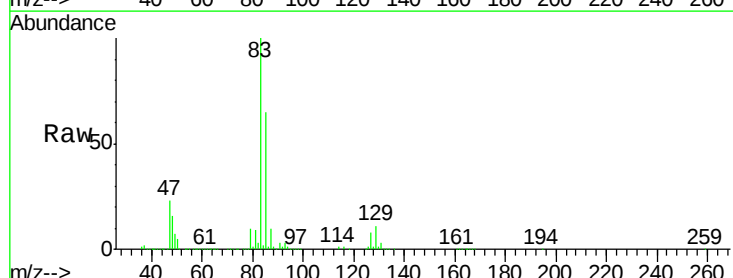
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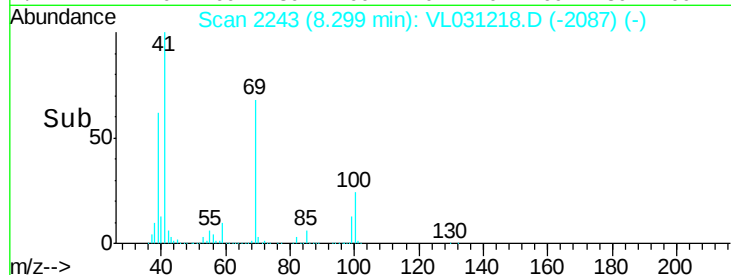
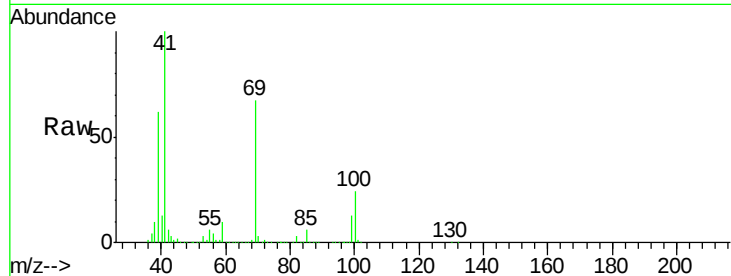
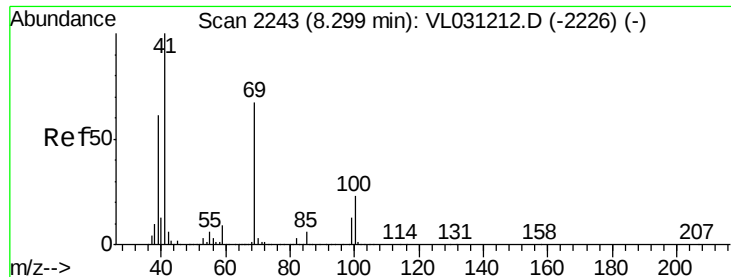
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#42
Bromodichloromethane
Concen: 11.10 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.2	6.5	9.7





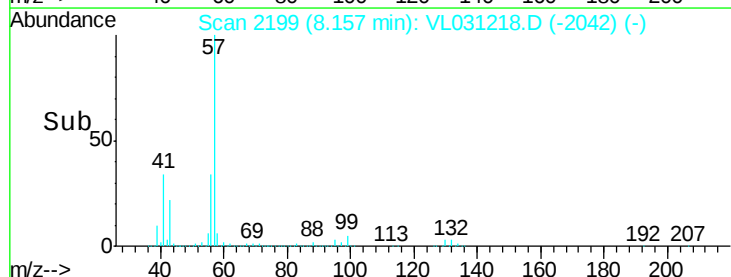
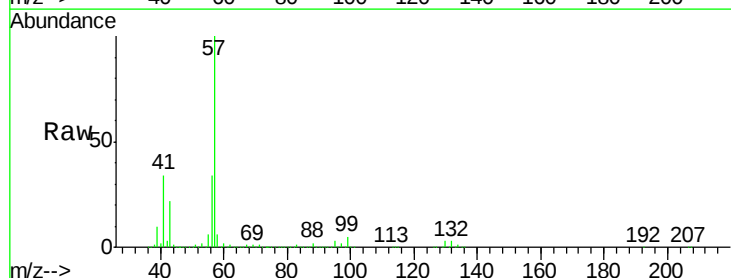
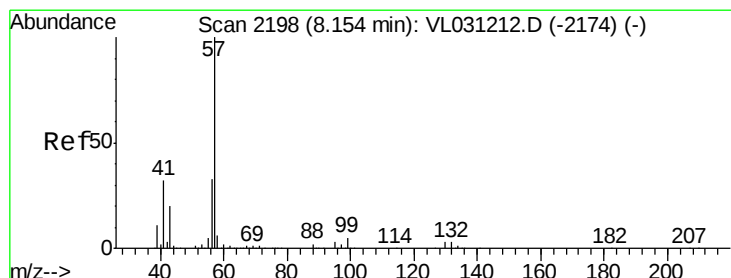
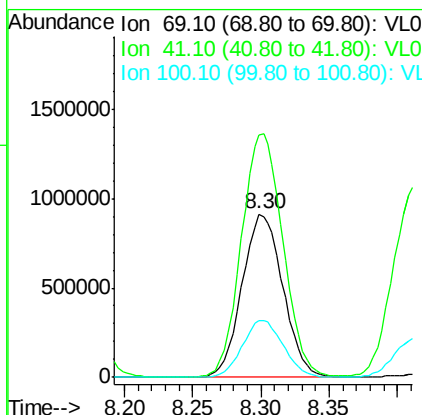
#43
Methyl Methacrylate
Concen: 11.53 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tot Ion: 69 Resp: 1893600
Ion Ratio Lower Upper
69 100
41 151.6 121.1 181.7
100 34.9 27.4 41.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

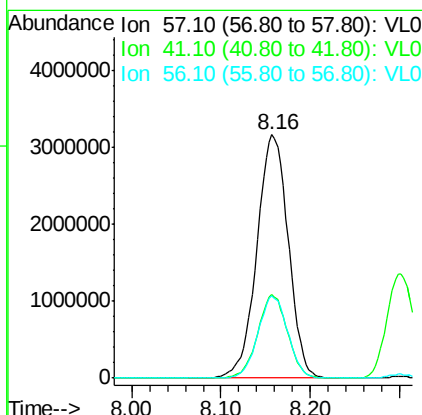
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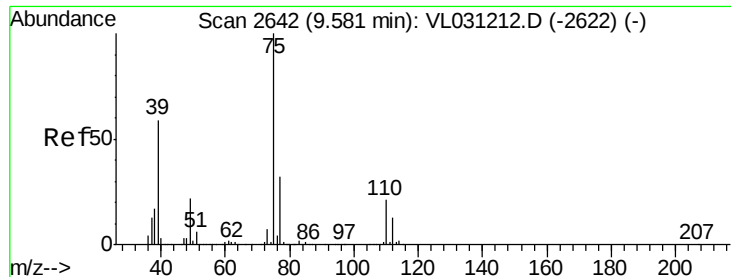
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.90 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 57 Resp: 7779160
Ion Ratio Lower Upper
57 100
41 32.4 25.5 38.3
56 31.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 14.04 ppbv

RT: 9.58 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 2858350

Ion Ratio Lower Upper

75 100

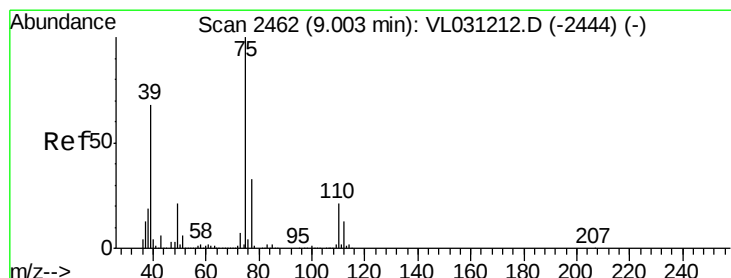
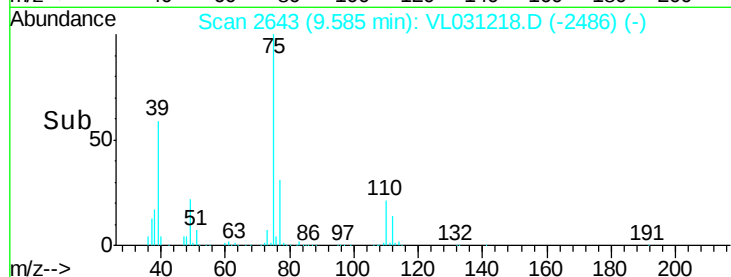
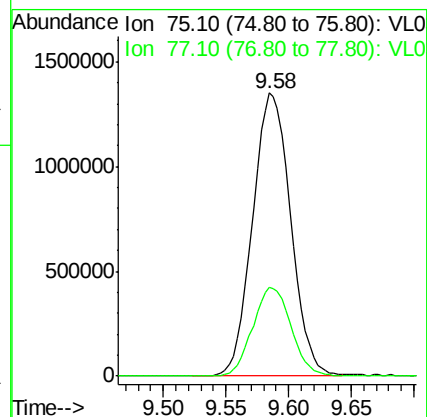
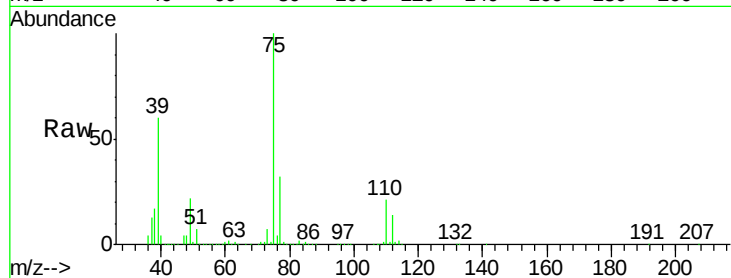
77 31.5 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 12.53 ppbv

RT: 9.01 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

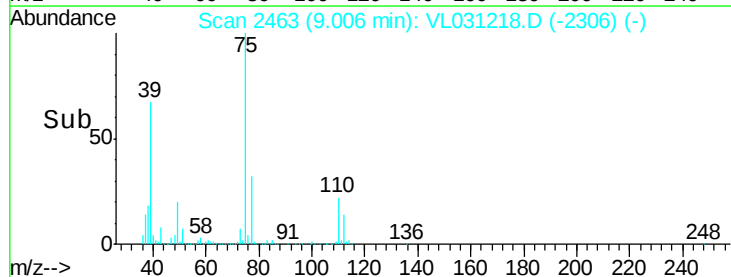
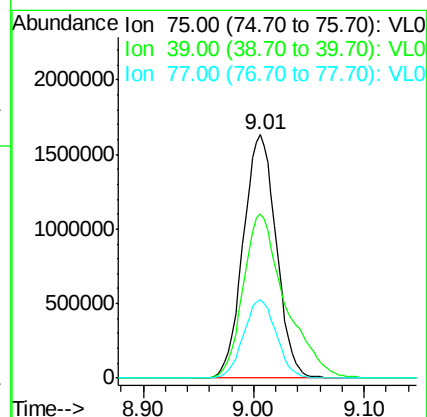
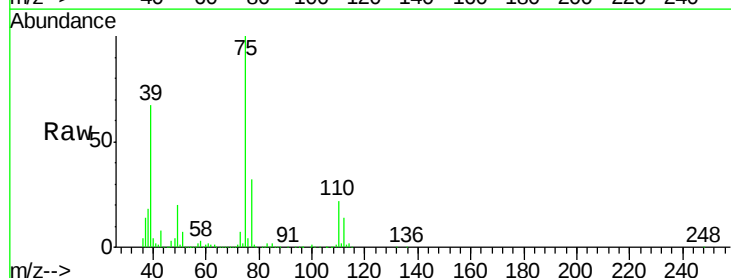
Tgt Ion: 75 Resp: 3375821

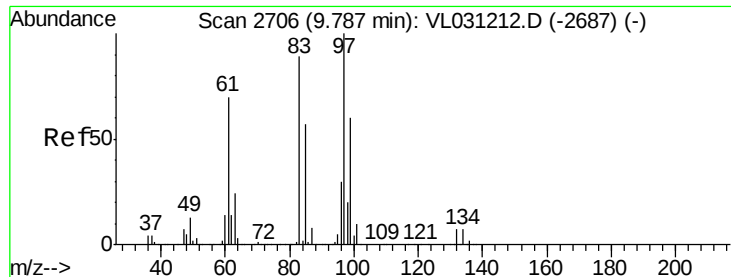
Ion Ratio Lower Upper

75 100

39 67.4 54.2 81.4

77 32.2 26.2 39.4





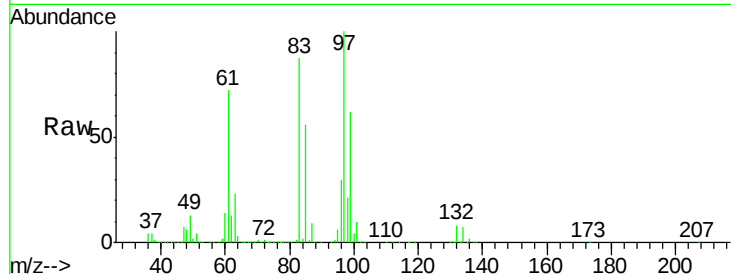
#47
 1,1,2-Trichloroethane
 Concen: 11.14 ppbv
 RT: 9.79 min Scan# 2707
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

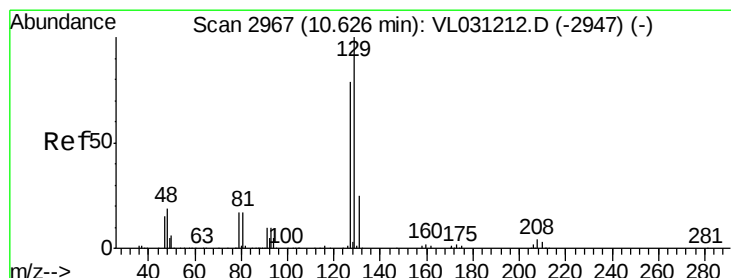
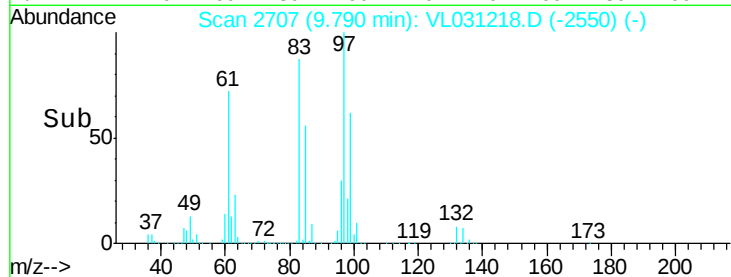
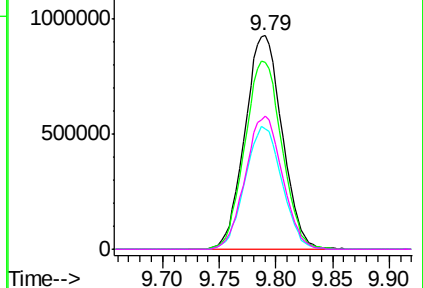
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.0	106.4
85	56.5	45.3	67.9
99	62.2	47.8	71.6

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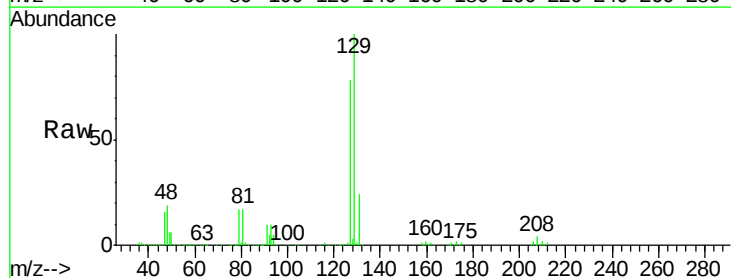


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

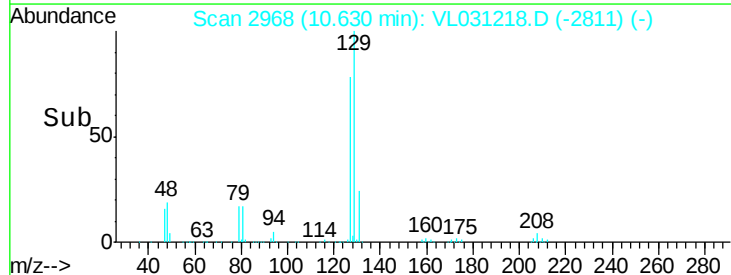
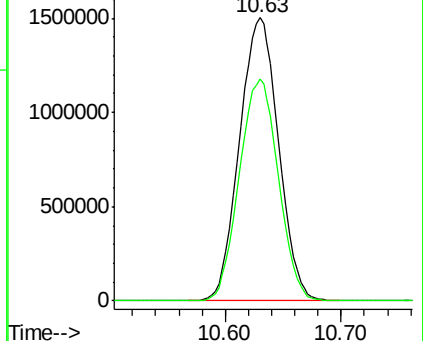


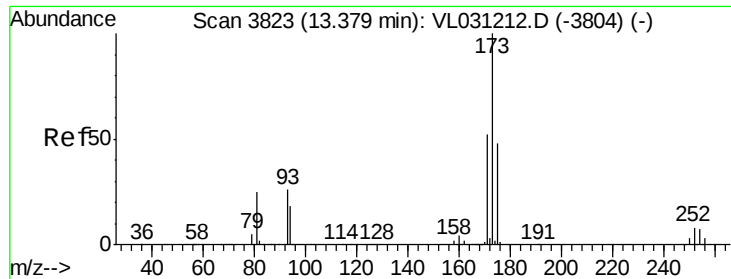
#48
 Dibromochloromethane
 Concen: 13.70 ppbv
 RT: 10.63 min Scan# 2968
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5



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





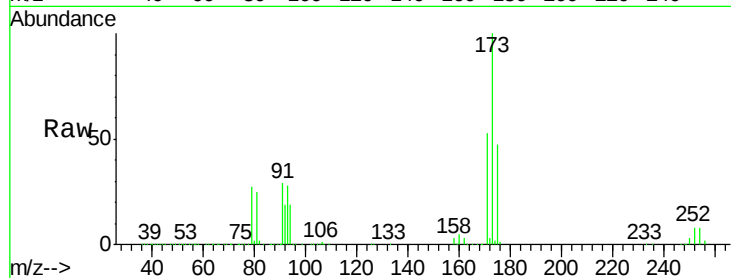
#49
Bromoform
Concen: 13.56 ppbv
RT: 13.38 min Scan# 3824
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

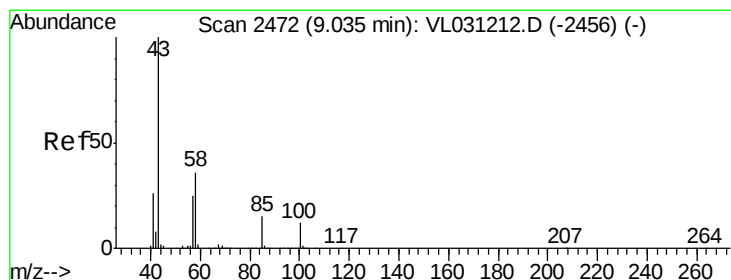
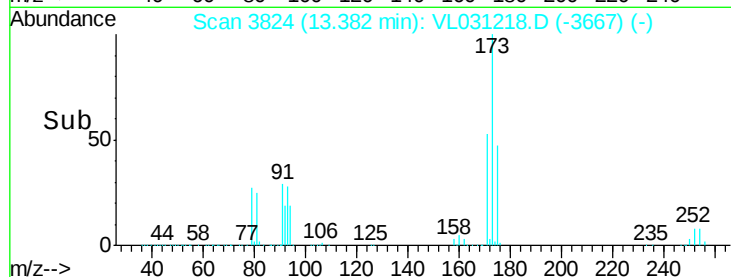
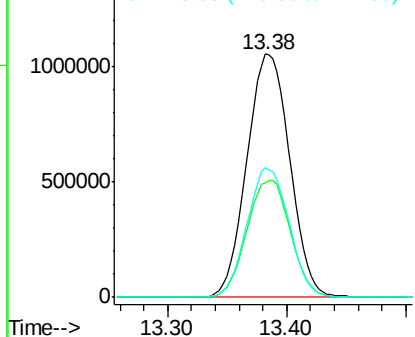
Tot Ion:173 Resp: 2625441
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.4
171 52.6 41.8 62.8

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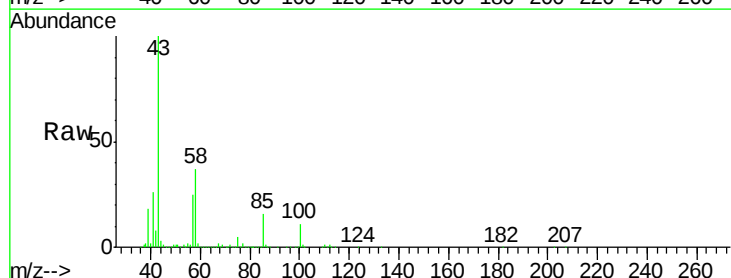


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

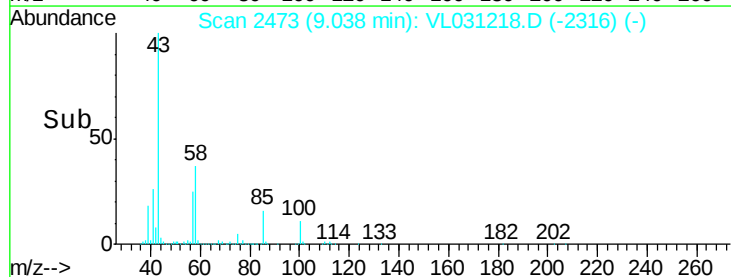
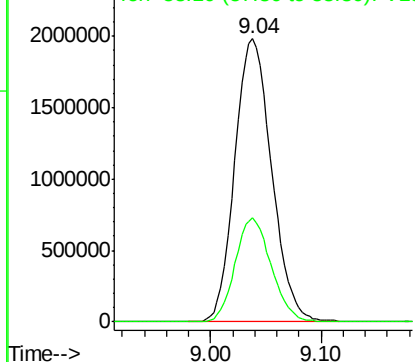


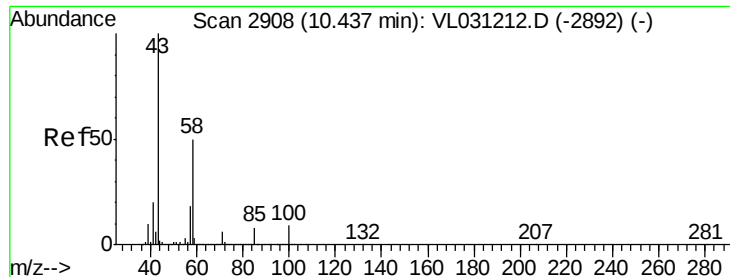
#50
4-Methyl-2-Pentanone
Concen: 10.77 ppbv
RT: 9.04 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 43 Resp: 4586226
Ion Ratio Lower Upper
43 100
58 36.1 28.8 43.2



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





#51

2-Hexanone

Concen: 11.71 ppbv

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 4719203

Ion Ratio Lower Upper

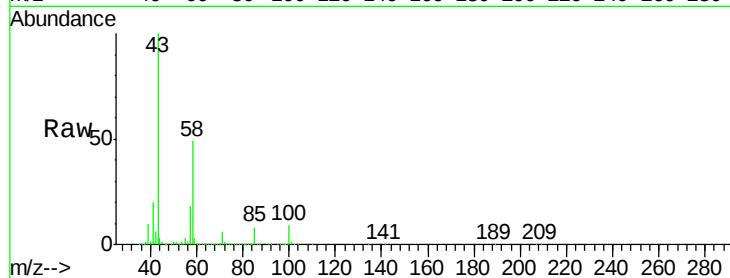
43 100

58 49.2 39.8 59.6

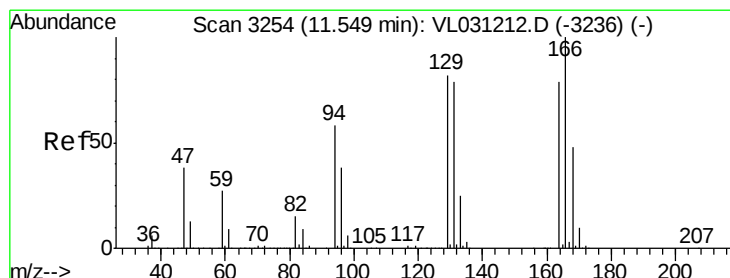
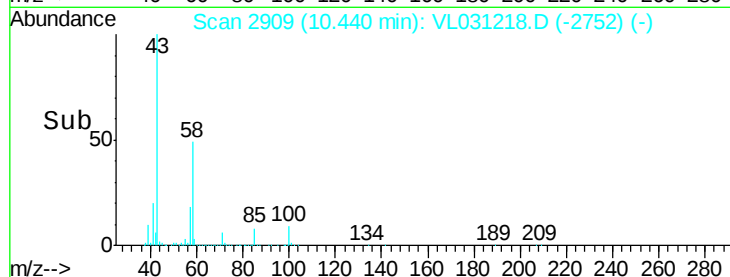
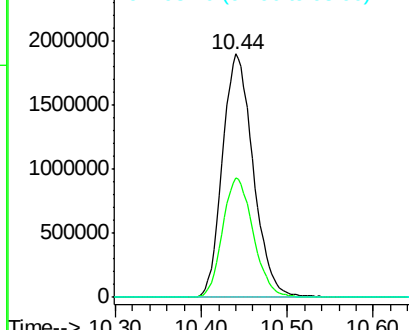
98 0.1 0.0 0.0#

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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: 11.58 ppbv

RT: 11.55 min Scan# 3255

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Tgt Ion: 164 Resp: 1929437

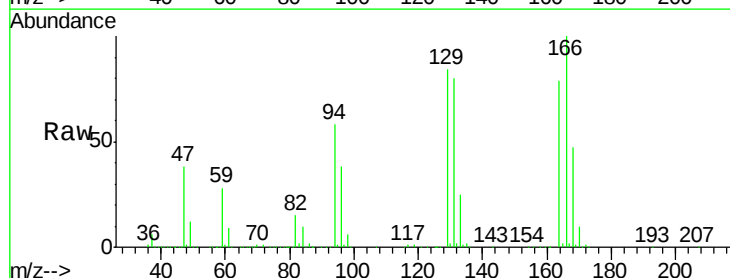
Ion Ratio Lower Upper

164 100

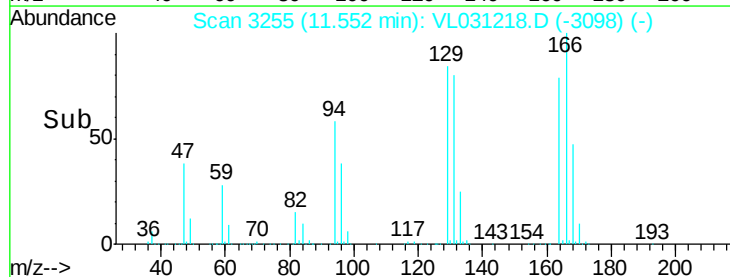
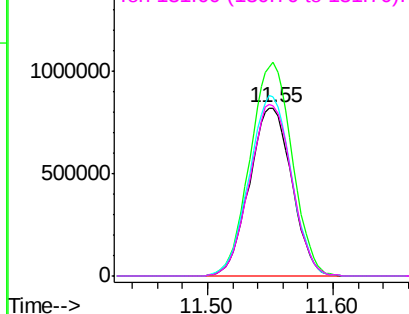
166 127.1 100.6 151.0

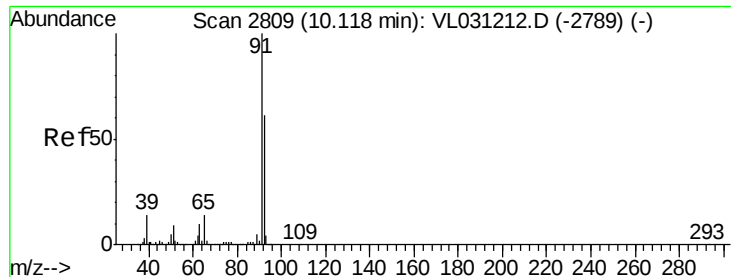
129 106.5 82.9 124.3

131 101.2 79.2 118.8



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: 11.59 ppbv

RT: 10.12 min Scan# 2810

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6158799

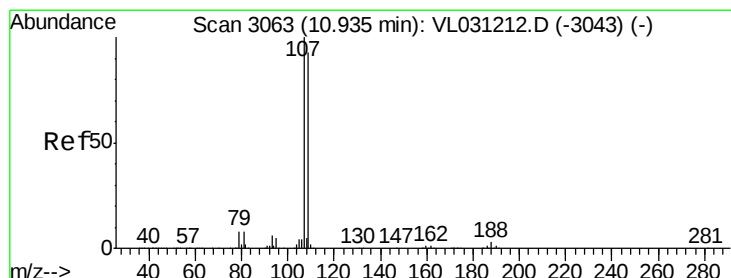
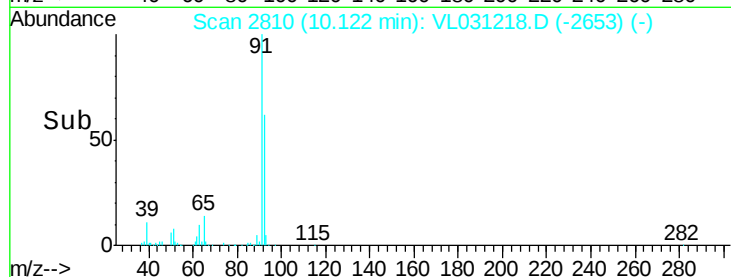
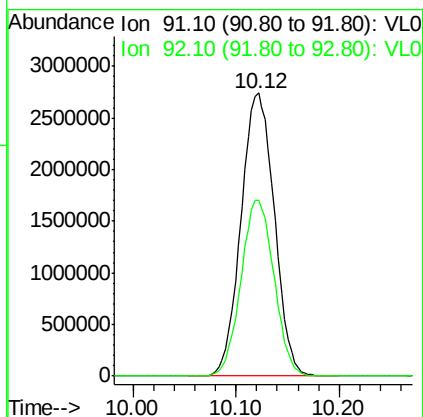
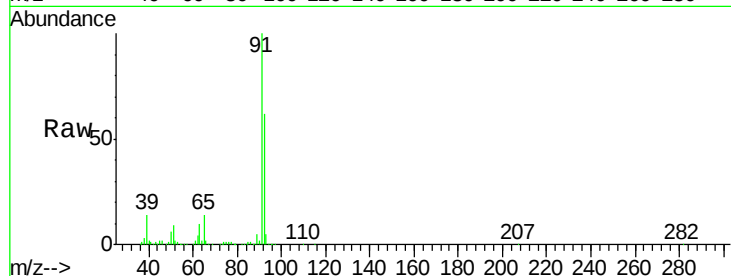
Ion Ratio Lower Upper

91 100

92 61.7 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 12.21 ppbv

RT: 10.94 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VL031218.D

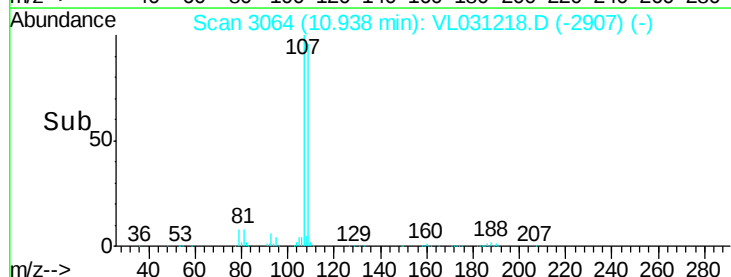
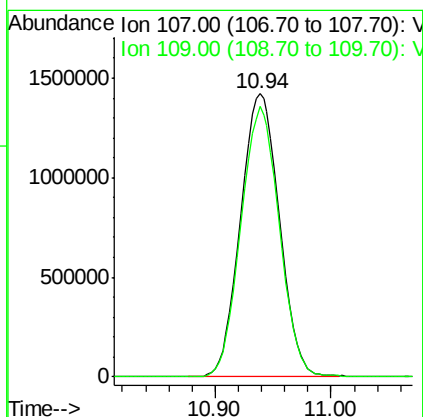
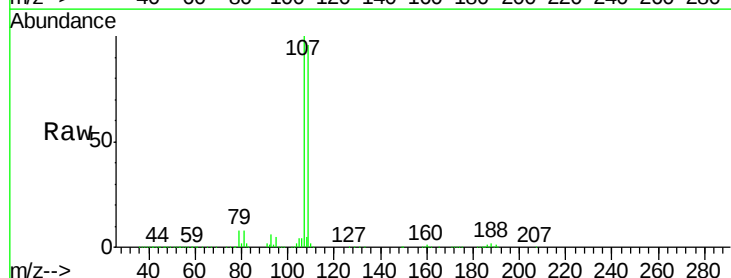
Acq: 14 Dec 2017 2:16

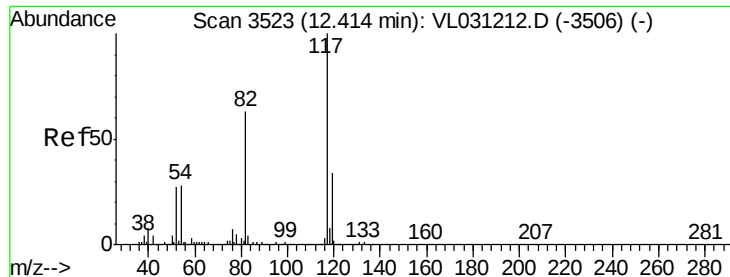
Tgt Ion: 107 Resp: 3310397

Ion Ratio Lower Upper

107 100

109 95.7 74.7 112.1





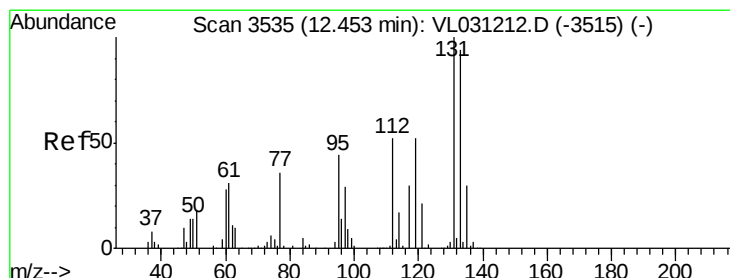
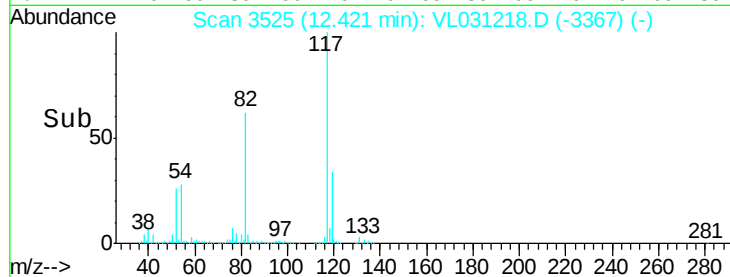
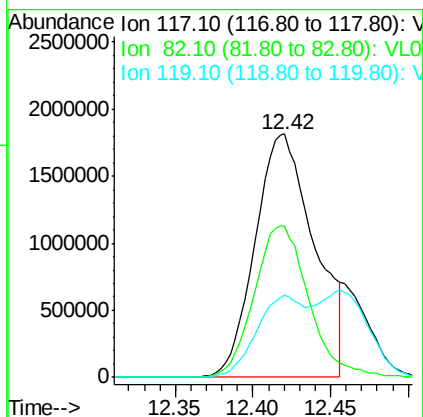
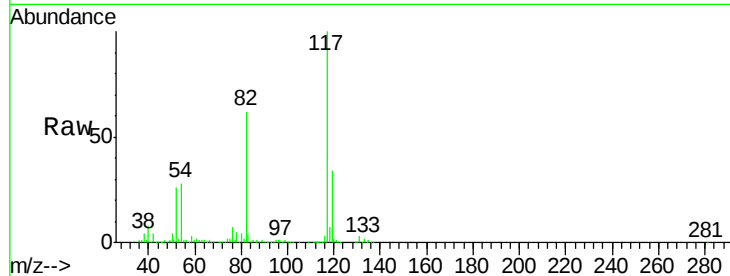
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.42 min Scan# 3525
Delta R.T. 0.01 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	48.1	72.1
119	30.1	23.1	34.7

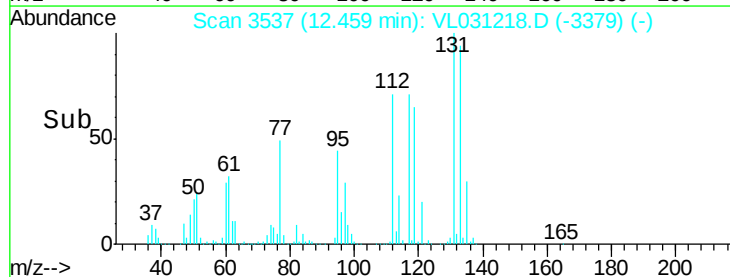
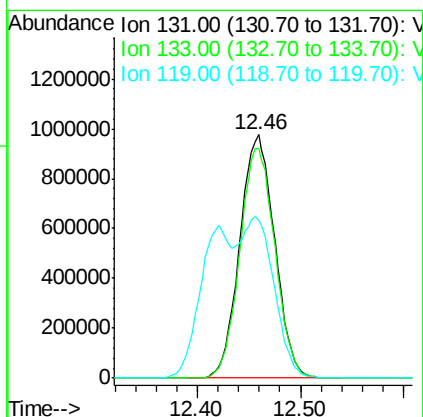
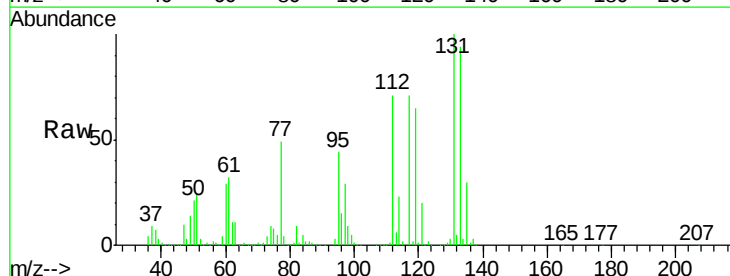
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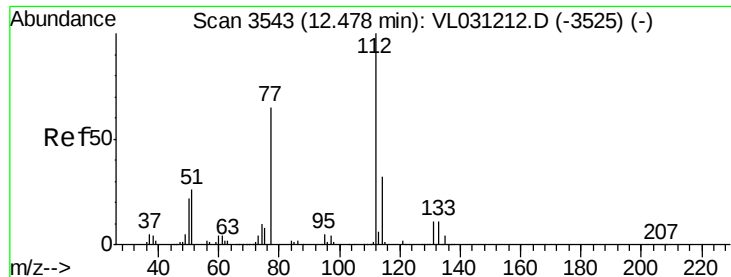
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.54 ppbv
RT: 12.46 min Scan# 3537
Delta R.T. 0.01 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.1	114.1
119	59.3	108.5	162.7#





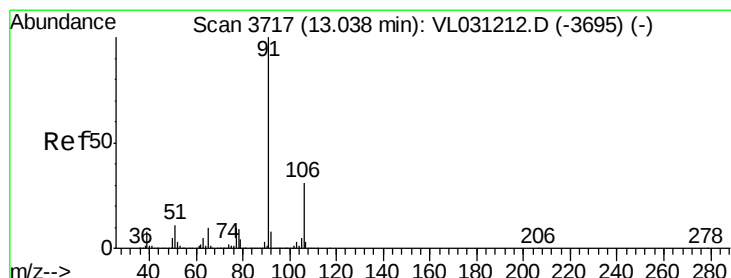
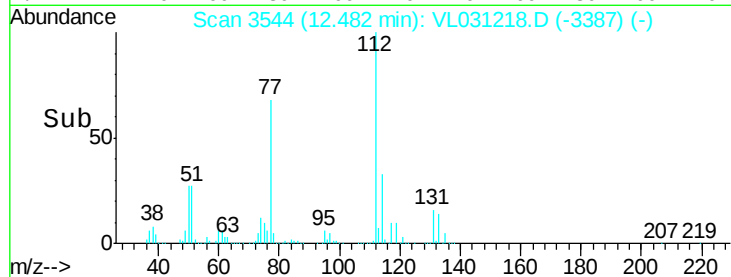
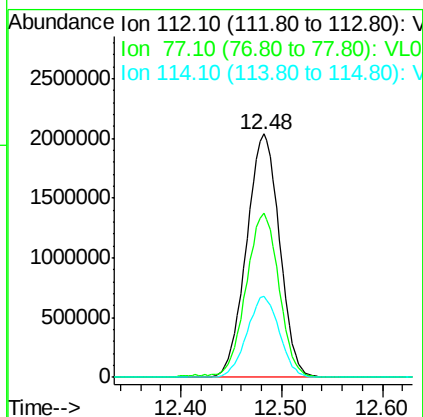
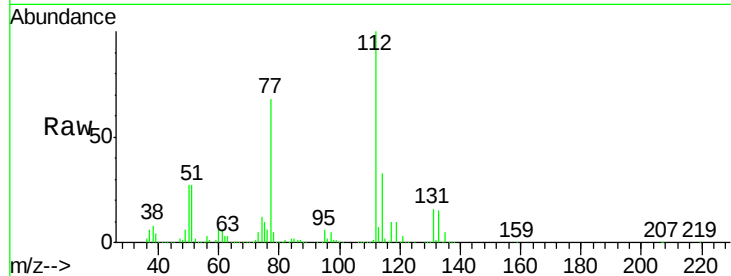
#57
Chlorobenzene
Concen: 9.75 ppbv
RT: 12.48 min Scan# 3544
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 112 Resp: 4618640
Ion Ratio Lower Upper
112 100
77 67.5 52.9 79.3
114 33.2 29.1 35.5

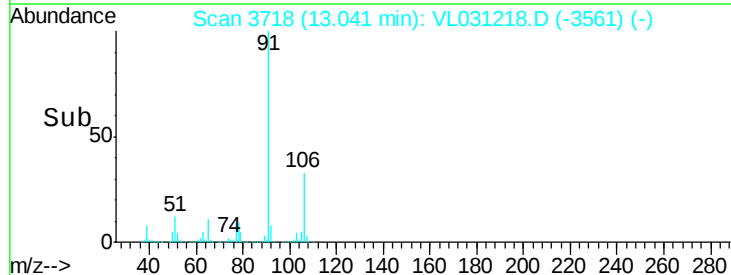
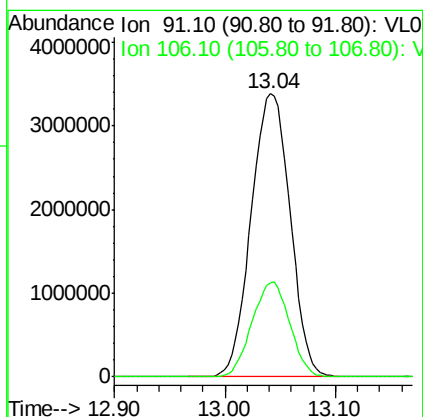
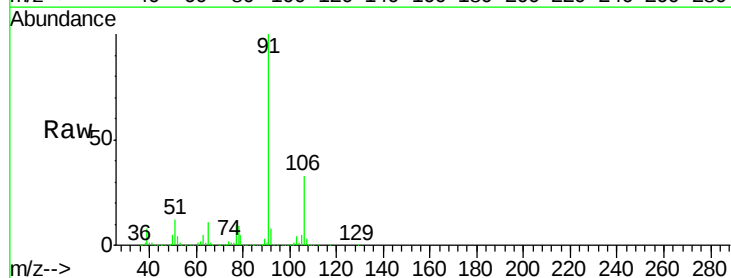
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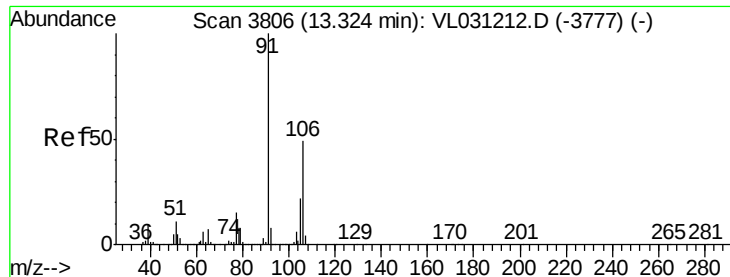
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#58
Ethyl Benzene
Concen: 9.99 ppbv
RT: 13.04 min Scan# 3718
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 91 Resp: 8291096
Ion Ratio Lower Upper
91 100
106 33.3 25.1 37.7





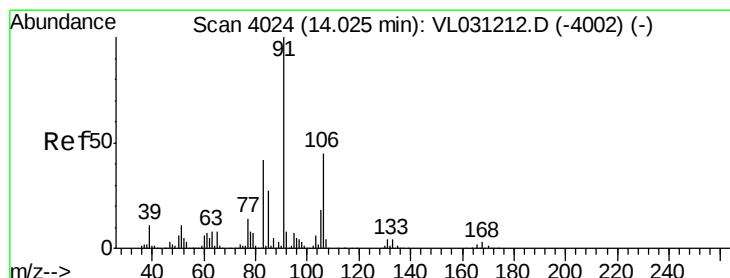
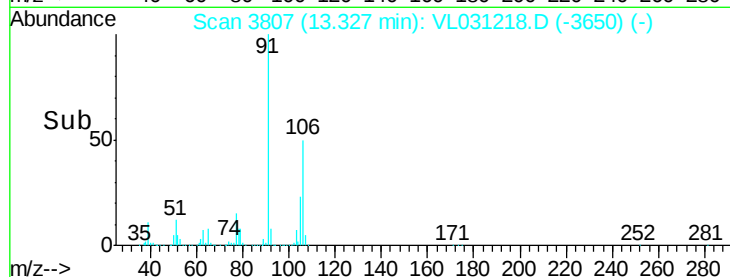
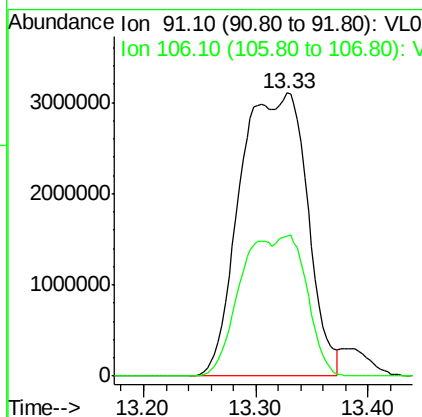
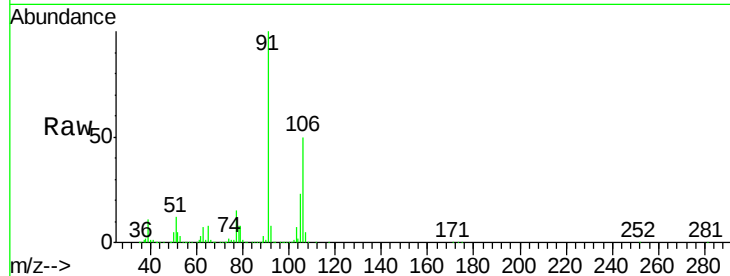
#59
m/p-Xylene
Concen: 18.41 ppbv m
RT: 13.33 min Scan# 3807
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp:12884357
Ion Ratio Lower Upper
91 100
106 48.7 38.5 57.7

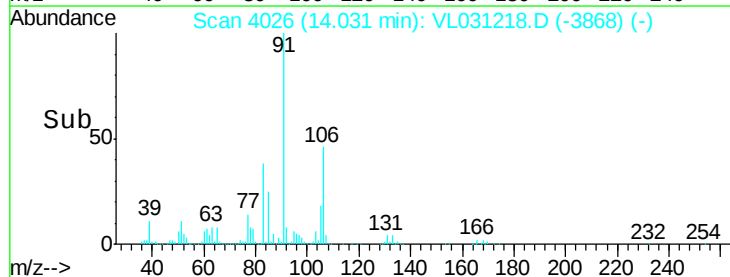
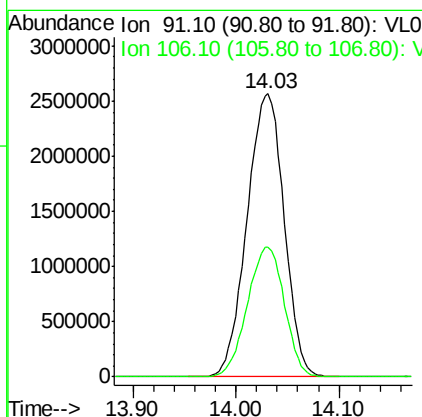
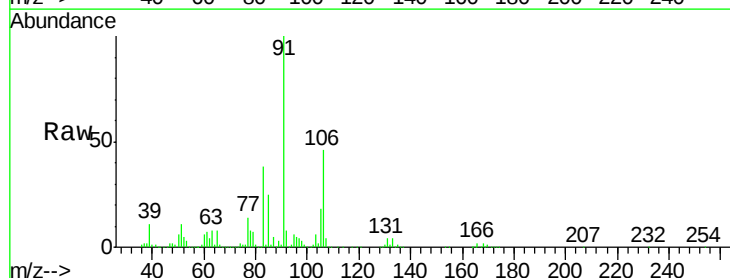
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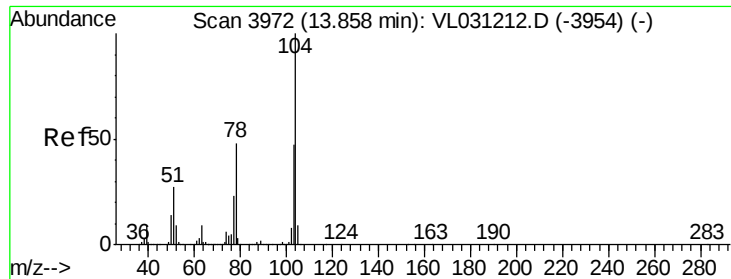
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#60
o-Xylene
Concen: 9.19 ppbv
RT: 14.03 min Scan# 4026
Delta R.T. 0.01 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 91 Resp: 6397358
Ion Ratio Lower Upper
91 100
106 45.8 22.7 68.1





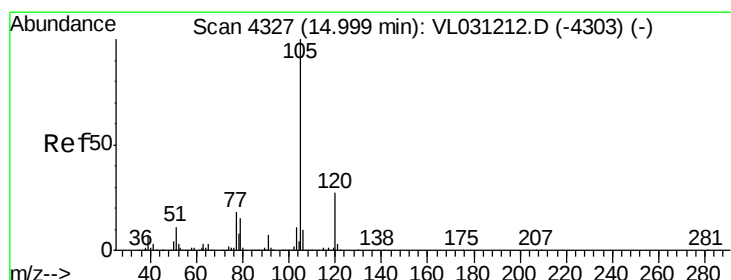
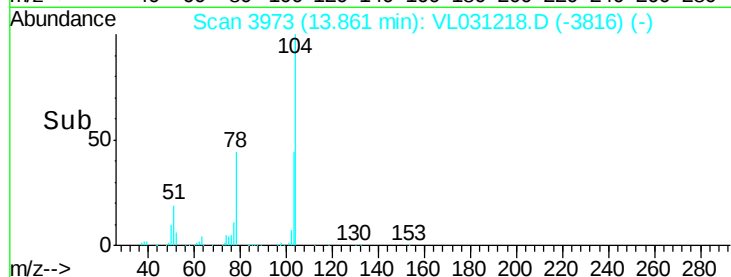
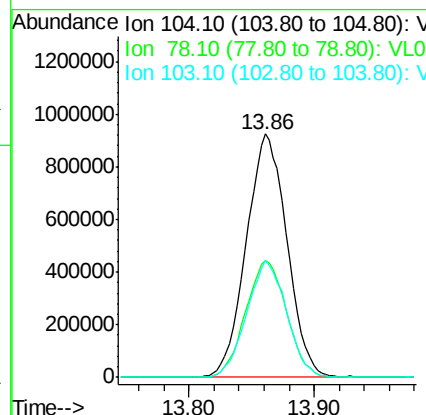
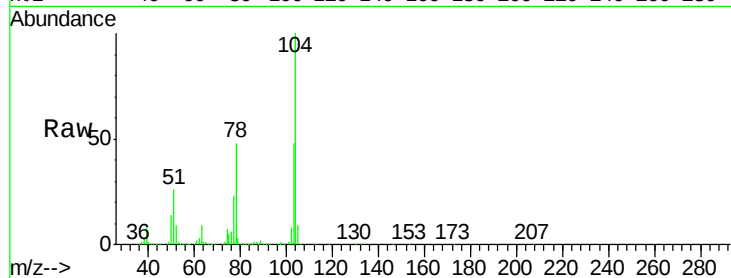
#61
Stvrene
Concen: 11.90 ppbv
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.1	58.7
103	47.1	37.3	55.9

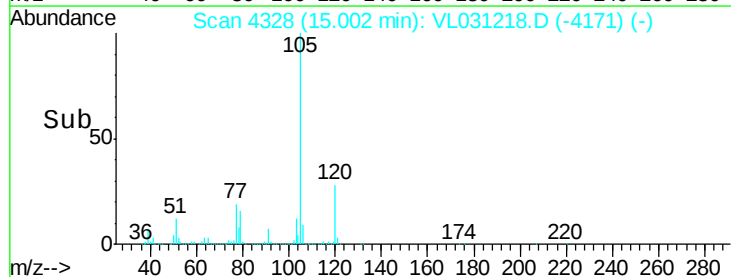
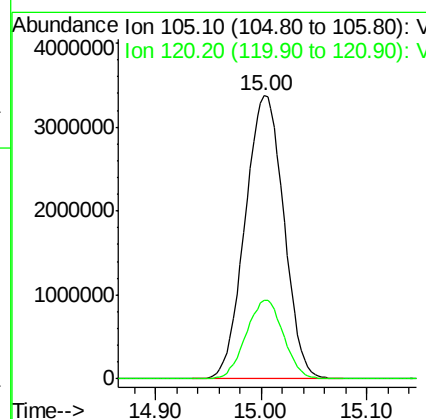
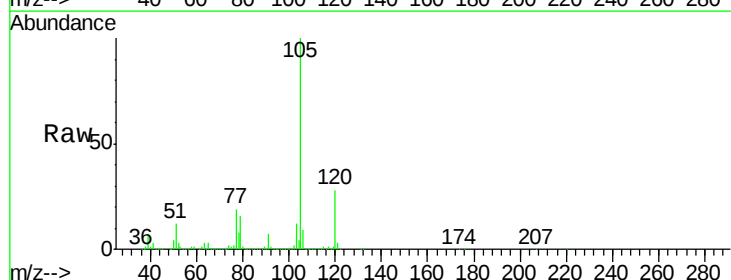
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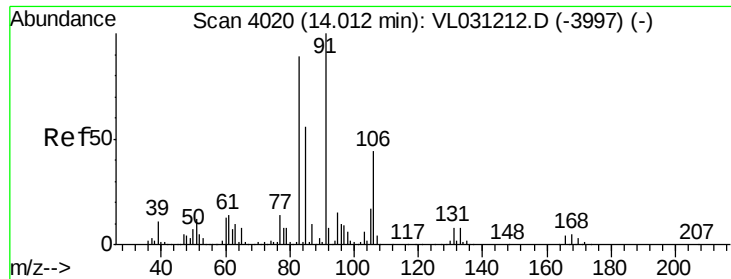
MMDadoda
12/15/2017 4:07:00 PM



#62
Isopropylbenzene
Concen: 10.32 ppbv
RT: 15.00 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.0	31.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.63 ppbv

RT: 14.01 min Scan# 4020

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 4141100

Ion Ratio Lower Upper

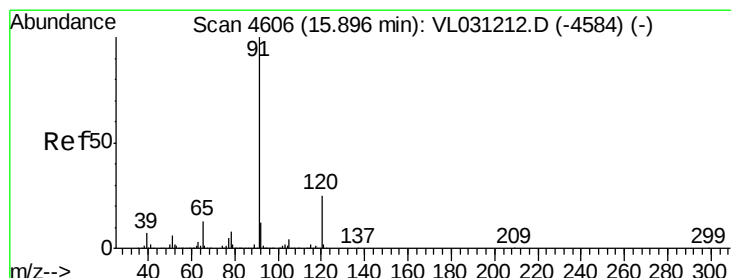
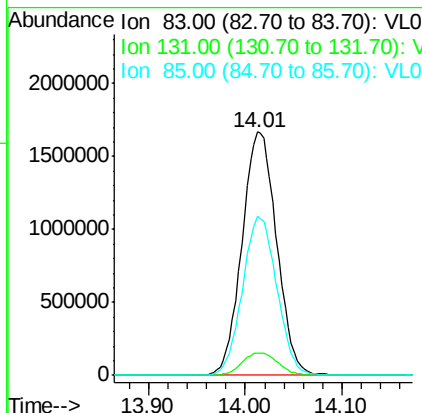
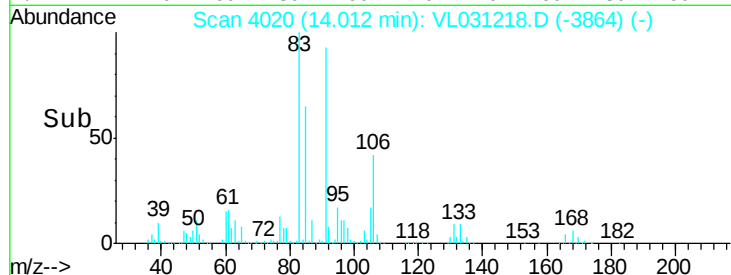
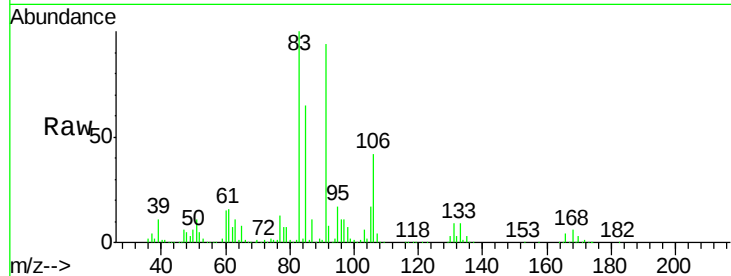
83 100

131 9.6 4.8 14.3

85 65.1 32.1 96.5

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#64

n-propylbenzene

Concen: 10.39 ppbv

RT: 15.90 min Scan# 4607

Delta R.T. 0.00 min

Lab File: VL031218.D

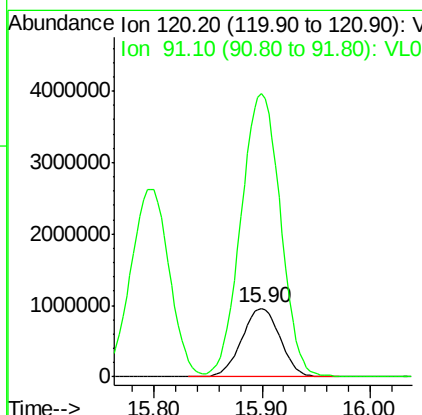
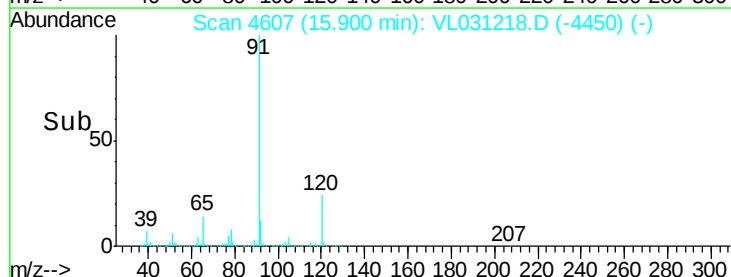
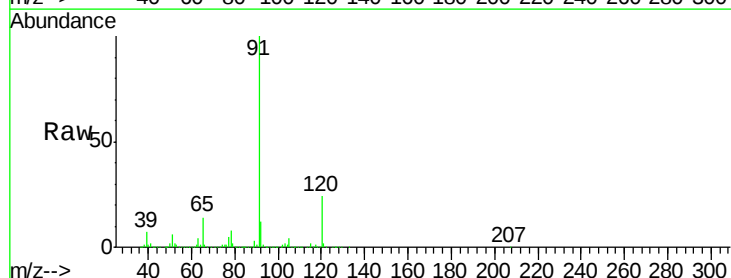
Acq: 14 Dec 2017 2:16

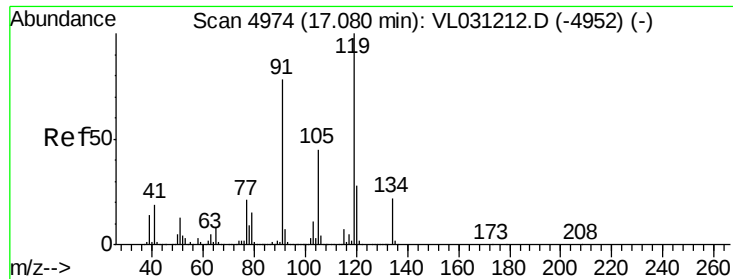
Tgt Ion:120 Resp: 2368632

Ion Ratio Lower Upper

120 100

91 426.7 352.1 528.1





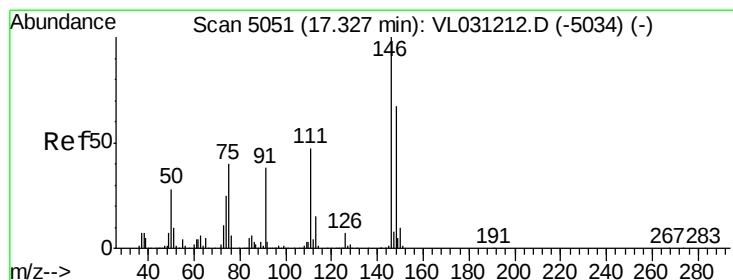
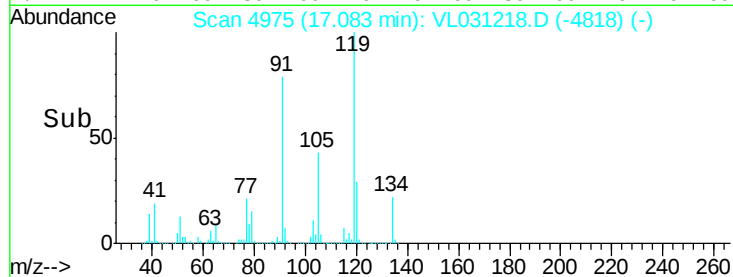
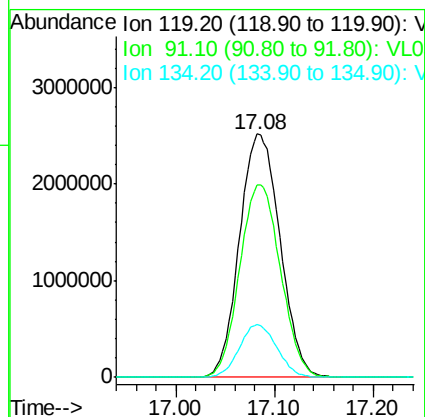
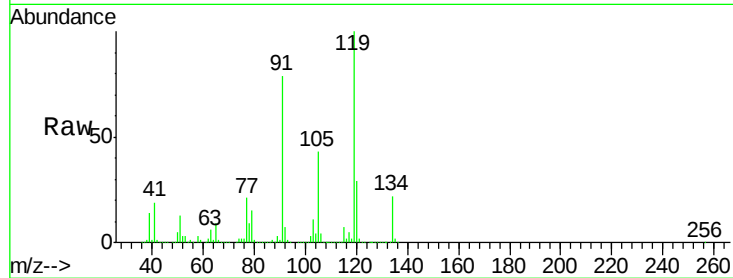
#65
tert-Butylbenzene
Concen: 9.81 ppbv
RT: 17.08 min Scan# 4975
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:119 Resp: 7173023
Ion Ratio Lower Upper
119 100
91 79.5 63.3 94.9
134 20.1 16.1 24.1

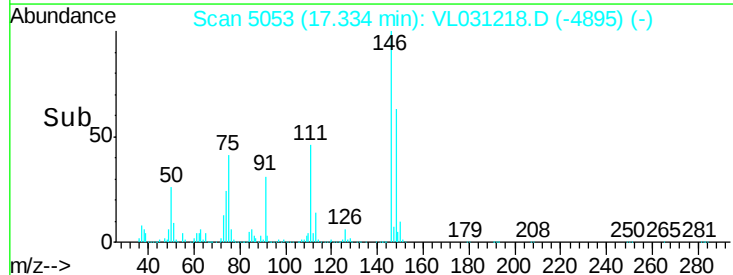
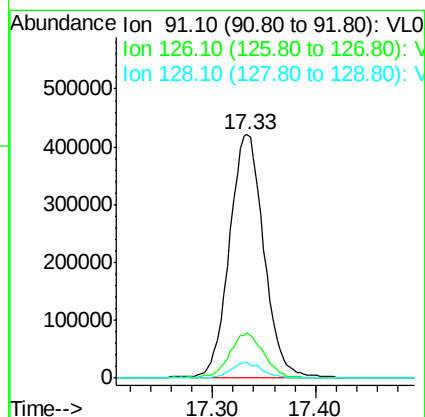
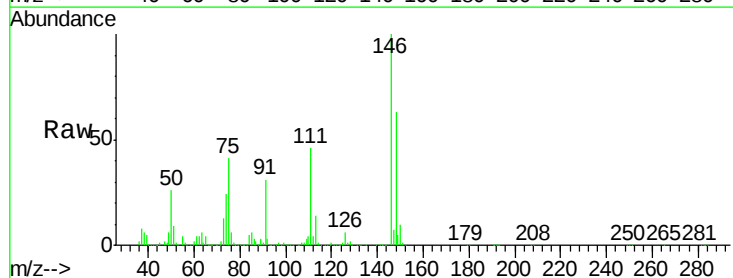
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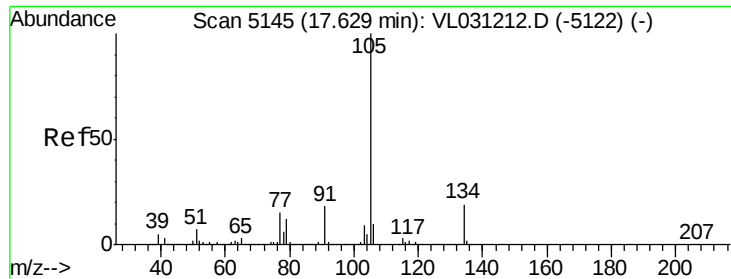
MMDadoda
12/15/2017 4:07:00 PM



#66
Benzyl Chloride
Concen: 15.47 ppbv
RT: 17.33 min Scan# 5053
Delta R.T. 0.01 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion: 91 Resp: 968583
Ion Ratio Lower Upper
91 100
126 18.9 15.2 22.8
128 6.2 4.9 7.3





#67

sec-Butylbenzene

Concen: 9.21 ppbv

RT: 17.63 min Scan# 5146

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp:10205699

Ion Ratio Lower Upper

105 100

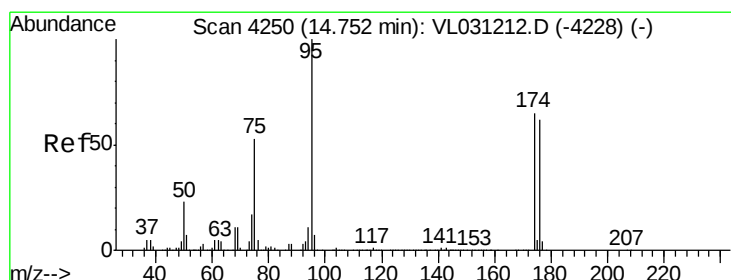
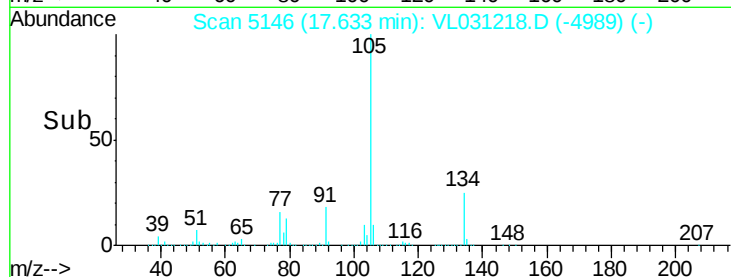
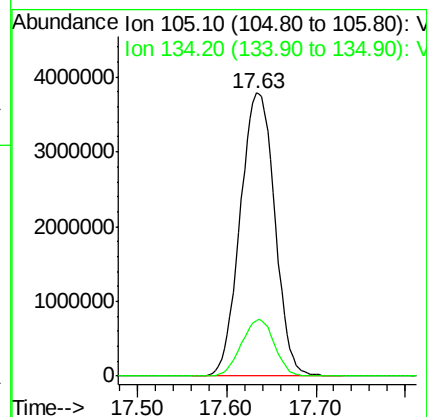
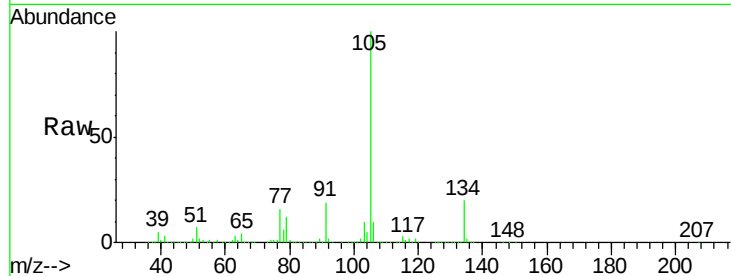
134 19.3 15.3 22.9

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#68

1-Bromo-4-Fluorobenzene

Concen: 8.66 ppbv

RT: 14.75 min Scan# 4251

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

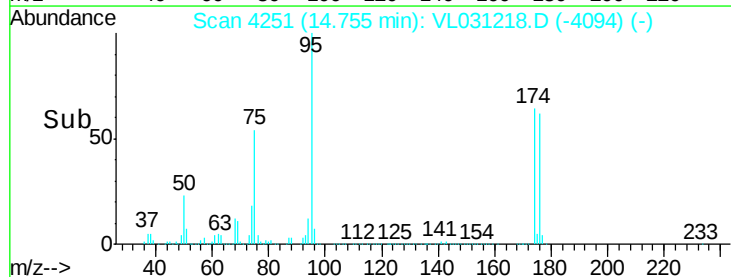
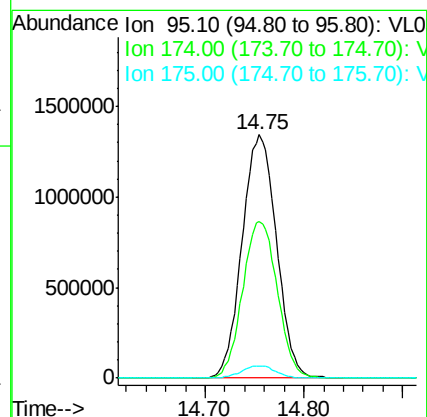
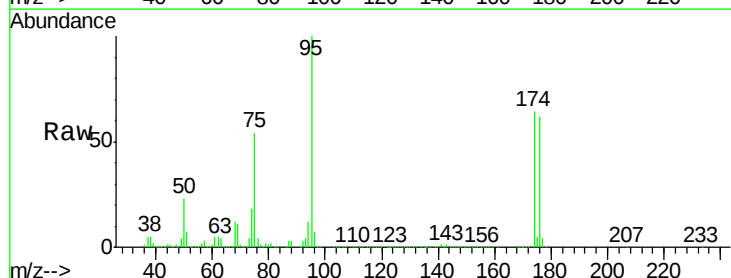
Tgt Ion: 95 Resp: 3244147

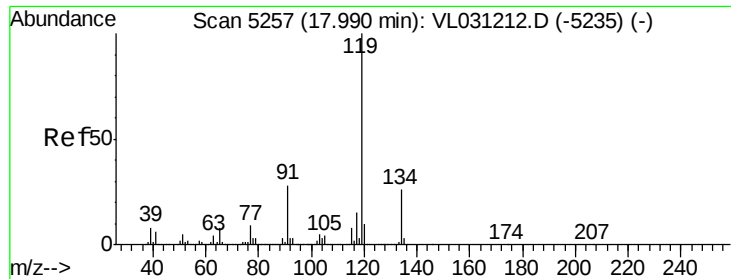
Ion Ratio Lower Upper

95 100

174 65.0 52.5 78.7

175 5.1 4.1 6.1





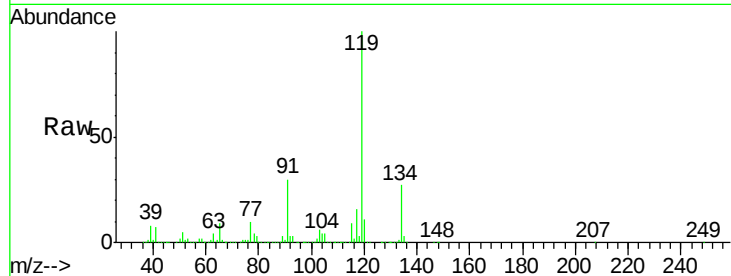
#69
 p-Isopropyltoluene
 Concen: 9.96 ppbv
 RT: 17.99 min Scan# 5257
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

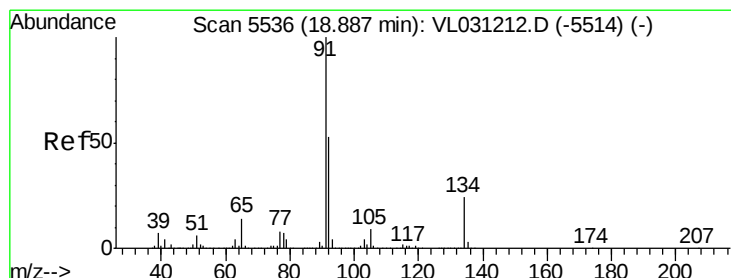
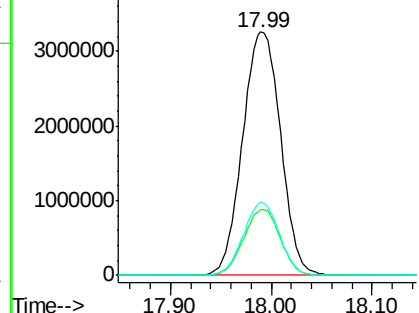
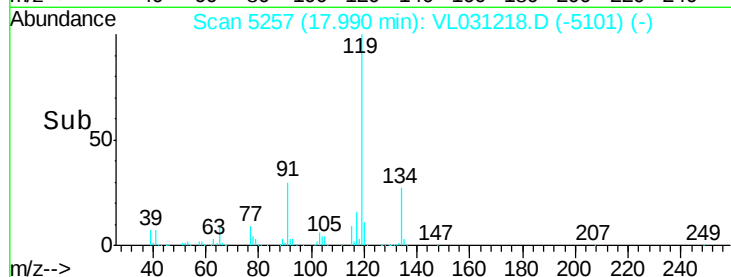
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.7	31.1
91	28.5	22.3	33.5

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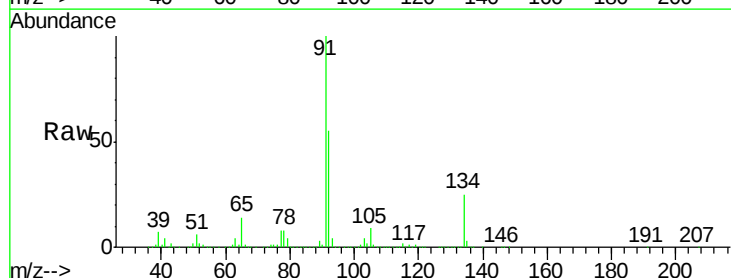


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

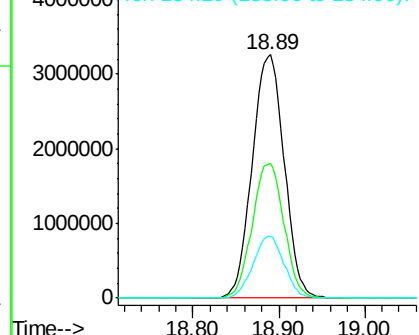
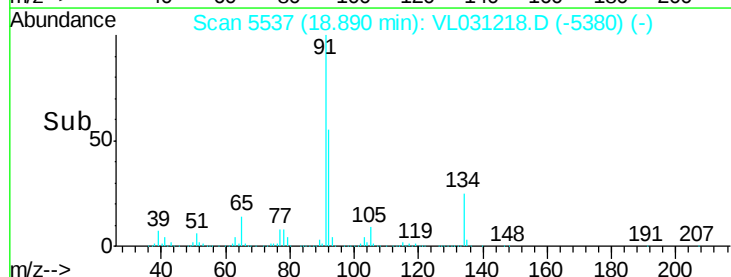


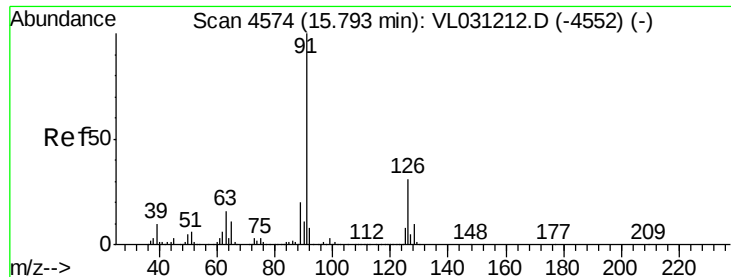
#70
 n-Butylbenzene
 Concen: 8.95 ppbv
 RT: 18.89 min Scan# 5537
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.2
134	24.7	19.3	28.9



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





#71

2-Chlorotoluene

Concen: 9.78 ppbv

RT: 15.80 min Scan# 4576

Delta R.T. 0.01 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6571181

Ion Ratio Lower Upper

91 100

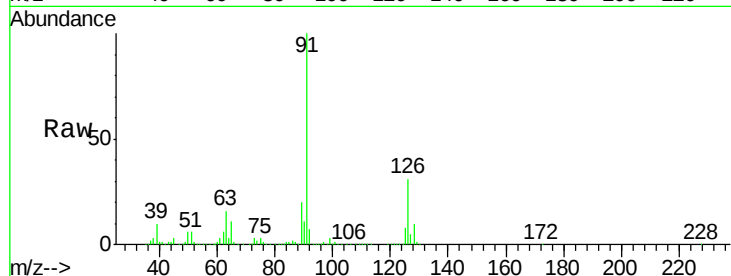
126 32.0 12.6 50.6

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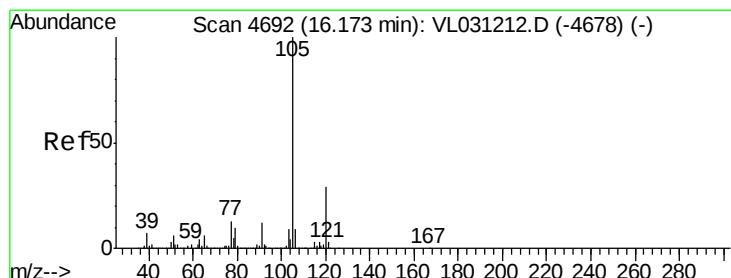
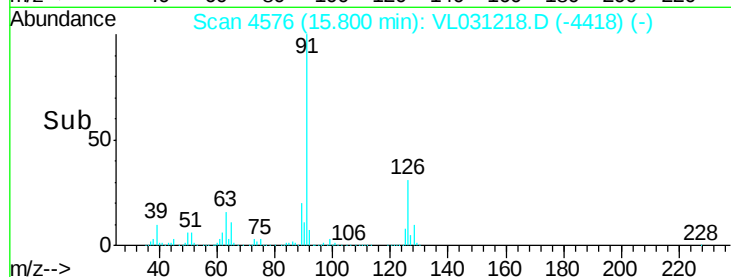
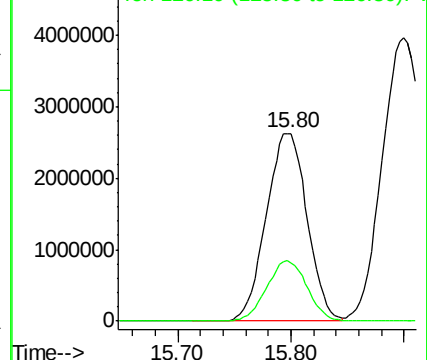
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.43 ppbv

RT: 16.18 min Scan# 4693

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Tgt Ion:105 Resp: 7345225

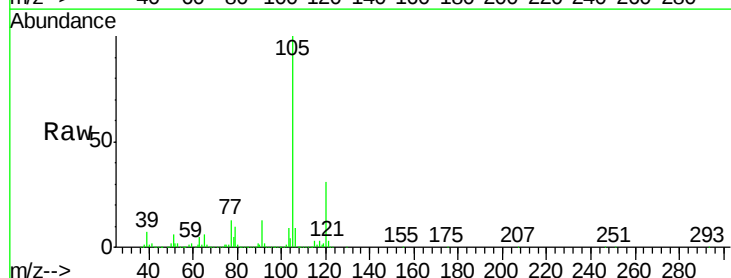
Ion Ratio Lower Upper

105 100

120 30.5 24.2 36.2

91 12.4 9.8 14.8

77 13.2 10.5 15.7

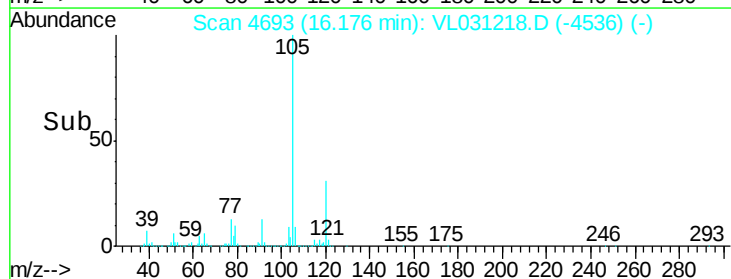
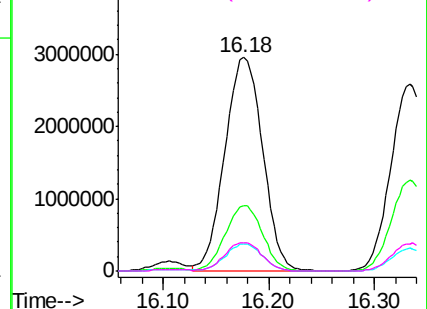


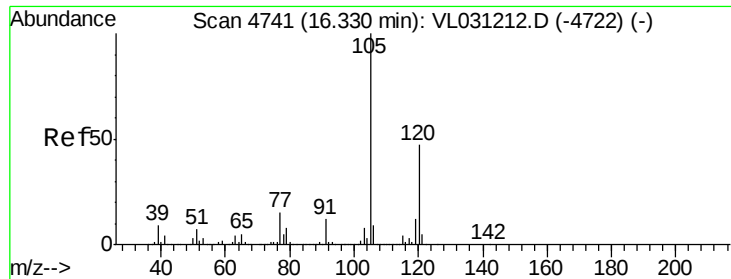
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





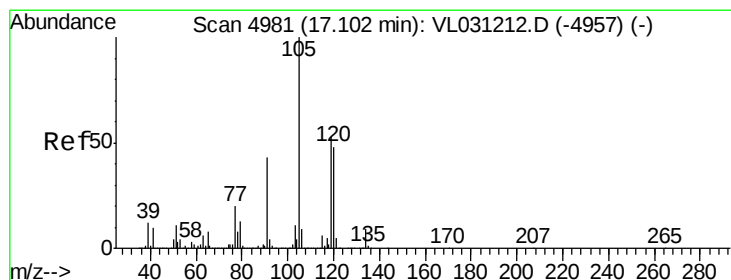
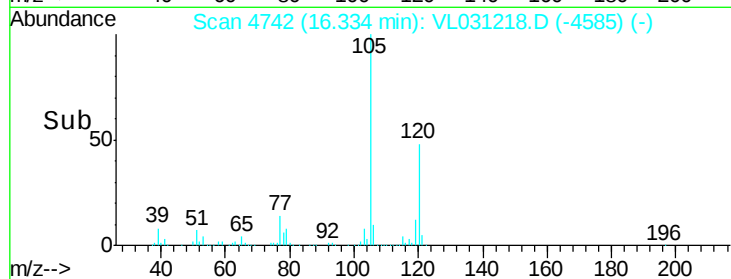
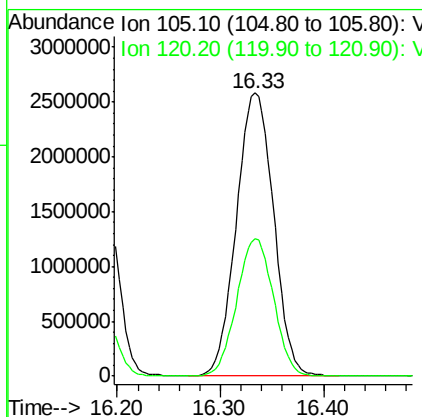
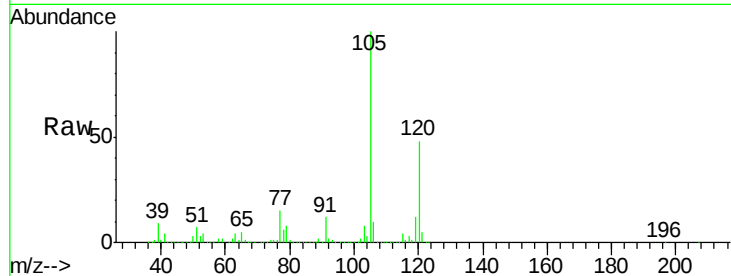
#73
 1,3,5-Trimethylbenzene
 Concen: 9.91 ppbv
 RT: 16.33 min Scan# 4742
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 6447247
 Ion Ratio Lower Upper
 105 100
 120 48.5 37.8 56.6

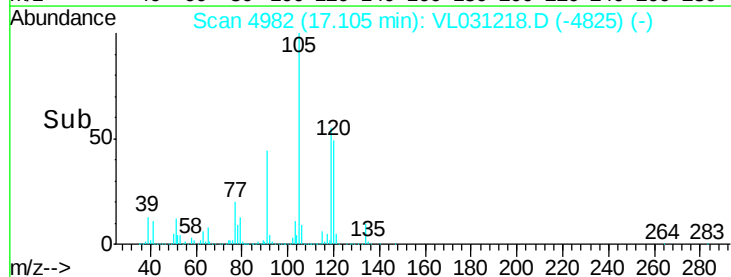
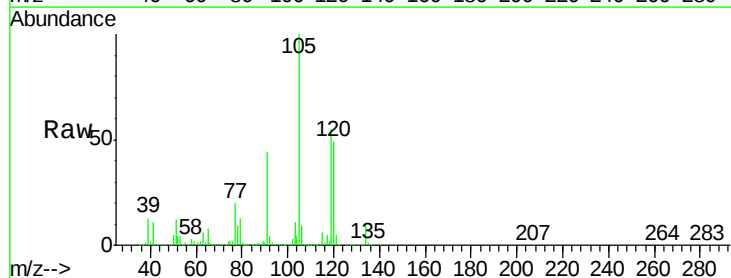
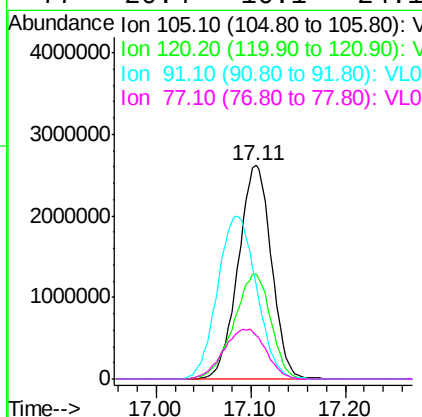
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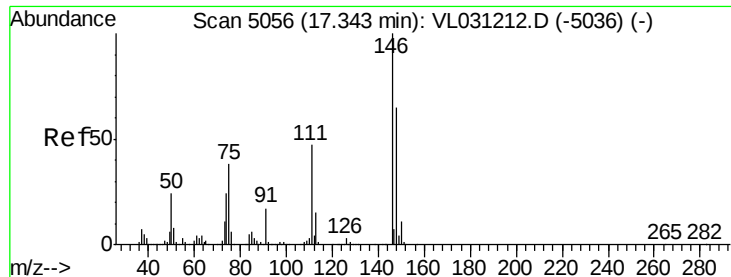
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.93 ppbv
 RT: 17.11 min Scan# 4982
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Tgt Ion:105 Resp: 6390583
 Ion Ratio Lower Upper
 105 100
 120 48.9 38.6 58.0
 91 43.7 34.2 51.4
 77 20.4 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 9.48 ppbv

RT: 17.34 min Scan# 5056

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4296225

Ion Ratio Lower Upper

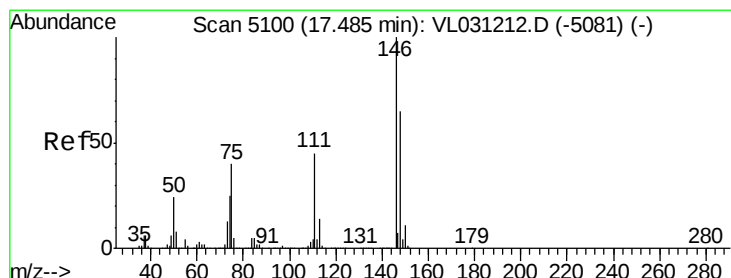
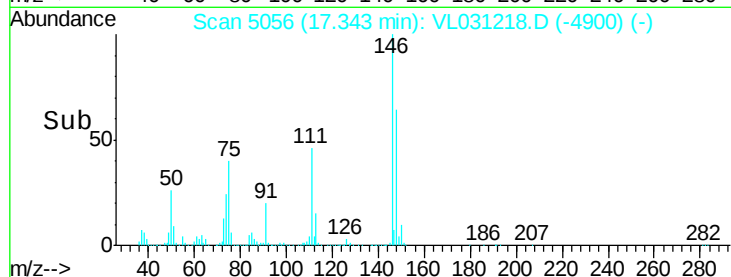
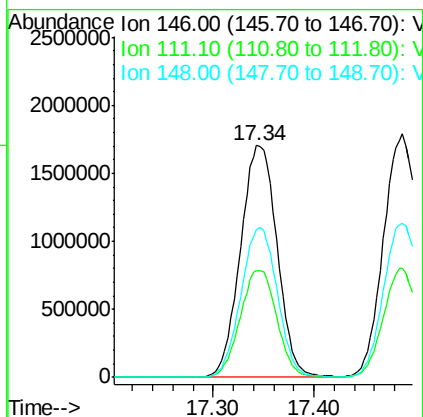
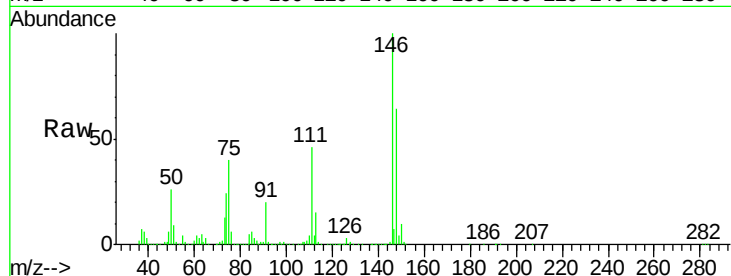
146 100

111 46.1 22.7 68.1

148 64.2 32.0 96.2

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#76

1,4-Dichlorobenzene

Concen: 9.64 ppbv

RT: 17.49 min Scan# 5101

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

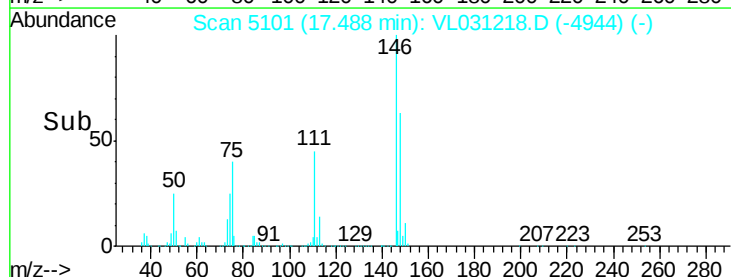
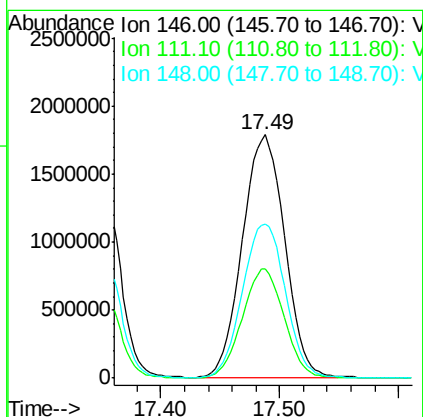
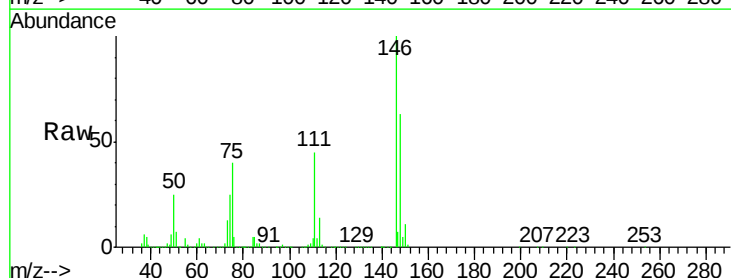
Tgt Ion:146 Resp: 4386532

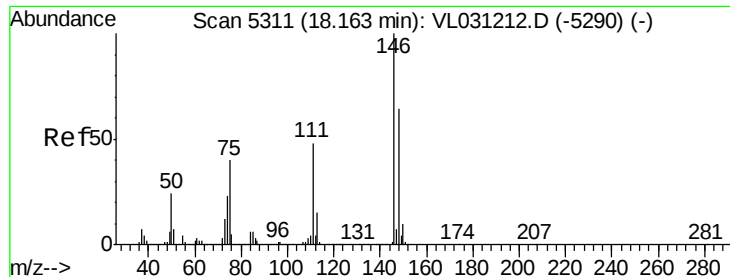
Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.1

148 64.9 32.0 96.0





#77

1,2-Dichlorobenzene

Concen: 9.50 ppbv

RT: 18.17 min Scan# 5312

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 4245108

Ion Ratio Lower Upper

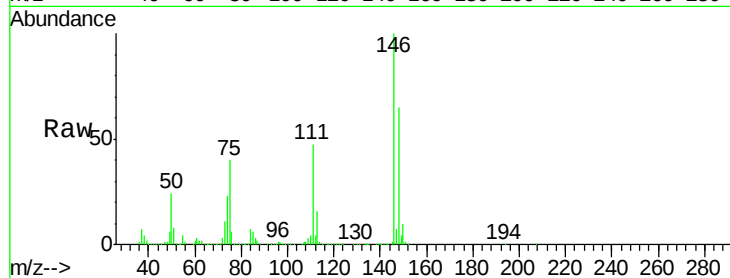
146 100

111 47.2 23.3 69.8

148 64.2 31.9 95.7

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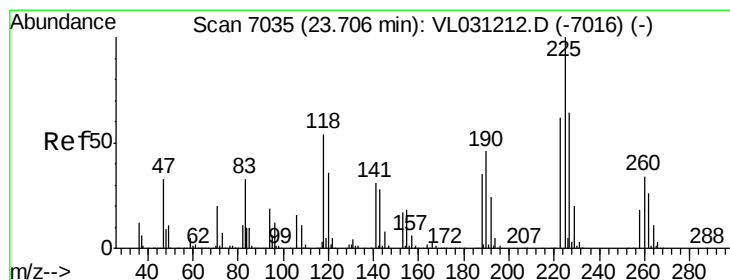
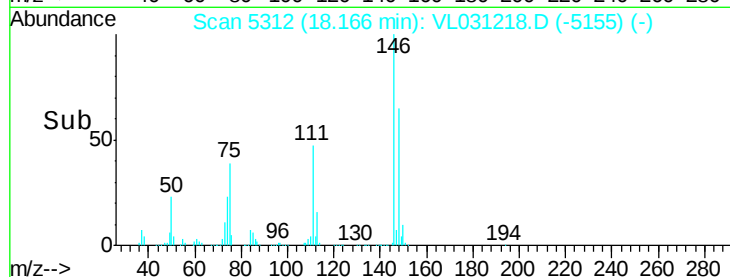
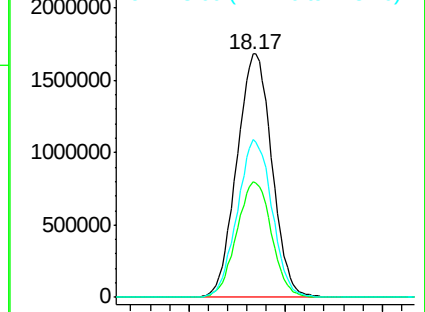
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.64 ppbv

RT: 23.71 min Scan# 7035

Delta R.T. 0.00 min

Lab File: VL031218.D

Acq: 14 Dec 2017 2:16

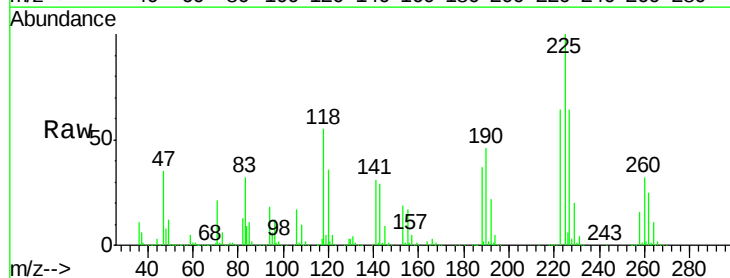
Tgt Ion:225 Resp: 994051

Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

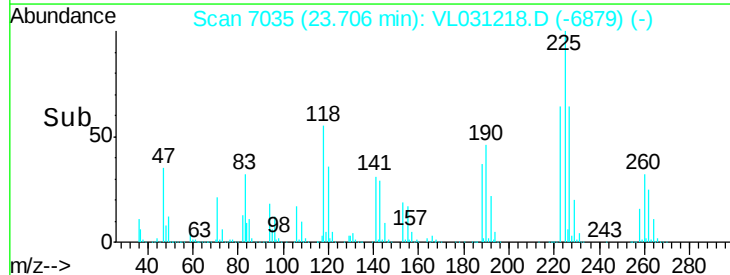
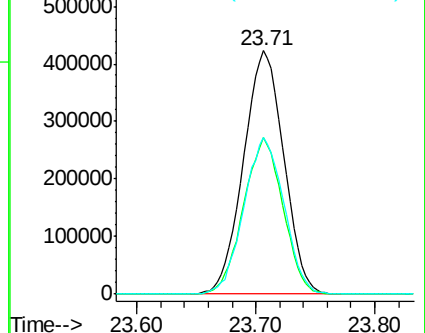
227 63.9 51.3 76.9

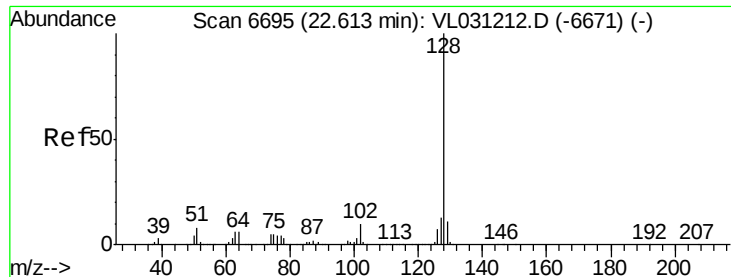


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





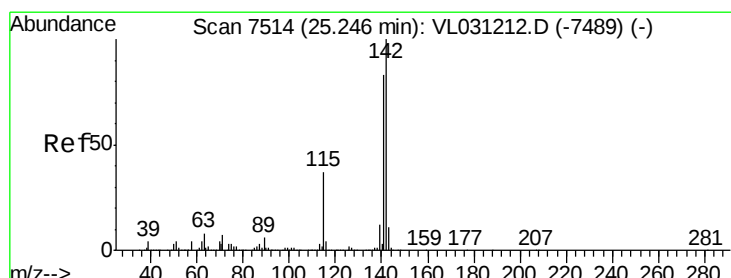
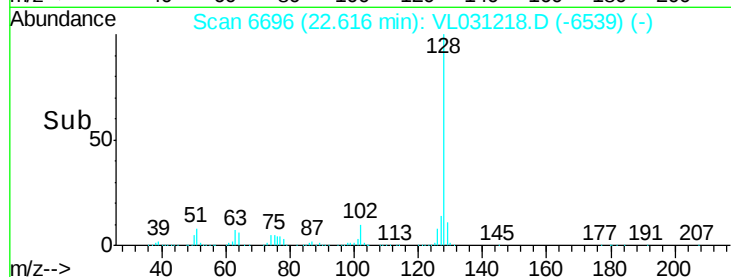
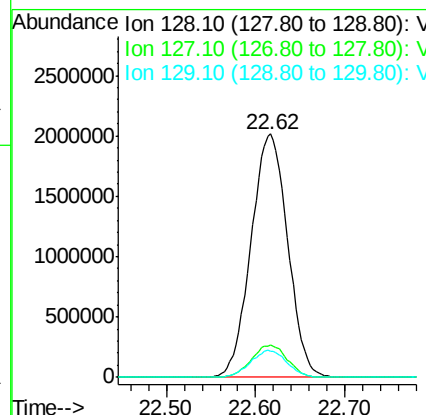
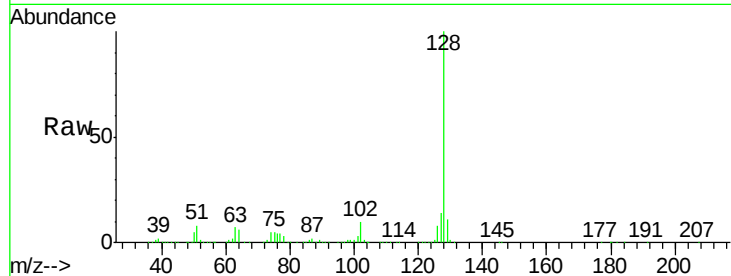
#79
Naphthalene
Concen: 11.85 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:128 Resp: 5752503
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 10.7 8.9 13.3

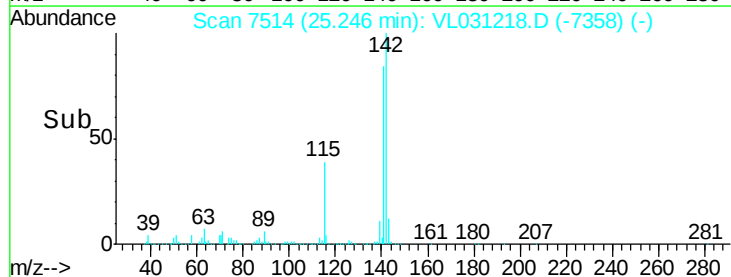
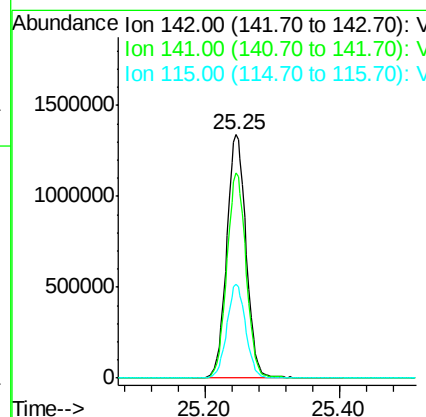
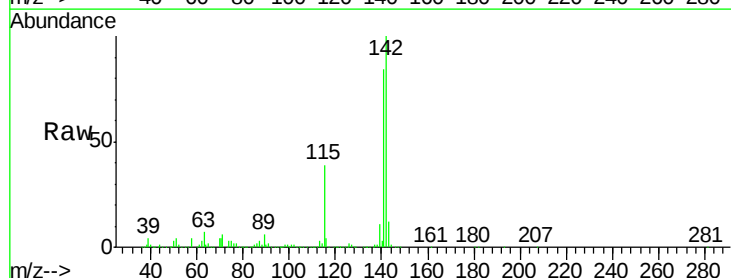
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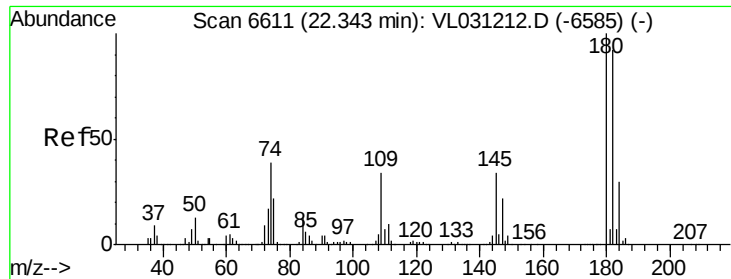
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#80
Naphthalene, 2-methyl-
Concen: 18.91 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031218.D
Acq: 14 Dec 2017 2:16

Tgt Ion:142 Resp: 2701042
Ion Ratio Lower Upper
142 100
141 83.3 66.8 100.2
115 37.7 29.7 44.5





#81
 1,2,4-Trichlorobenzene
 Concen: 10.88 ppbv
 RT: 22.35 min Scan# 6612
 Delta R.T. 0.00 min
 Lab File: VL031218.D
 Acq: 14 Dec 2017 2:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:180 Resp: 2632786
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.9 113.9
 184 30.1 24.2 36.2

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