

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031424.D
 Acq On : 22 Jan 2018 20:34
 Operator : SY/AP
 Sample : VL0122ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:17 PM

Quant Time: Jan 23 06:34:05 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1267903	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2919770	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3160028m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2495853	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	2223172	12.39	ppbv	97
3) Chlorodifluoromethane	3.11	51	1263009	7.53	ppbv	99
4) Chloromethane	3.27	50	666351	8.90	ppbv	99
5) Vinyl Chloride	3.40	62	684596	9.51	ppbv	99
6) Bromomethane	3.62	94	483241	9.15	ppbv	100
7) Chloroethane	3.71	64	278576	9.06	ppbv	100
8) Dichlorotetrafluoroethane	3.32	85	1802661	9.02	ppbv	100
9) Propene	3.13	41	543481	9.25	ppbv	100
10) Heptane	8.41	43	1667824	9.12	ppbv	99
11) Trichlorofluoromethane	4.13	101	2127698	8.79	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1374053	9.06	ppbv	100
13) Ethanol	3.76	45	140275	7.94	ppbv	99
14) Bromoethene	3.90	108	569255	9.39	ppbv	99
15) Acetone	4.02	43	1399301	8.29	ppbv	99
16) 1,3-Butadiene	3.47	39	611963	8.63	ppbv	97
17) tert-Butyl alcohol	4.48	59	564371	6.87	ppbv	99
18) 1,1-Dichloroethene	4.48	96	617548	9.45	ppbv	94
19) Isopropyl Alcohol	4.14	45	870382	8.26	ppbv #	99
20) Methylene Chloride	4.54	84	557078	8.50	ppbv	99
21) Allyl Chloride	4.60	41	989866	9.77	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	646115	9.42	ppbv	97
23) Vinyl Acetate	5.29	43	1863907	9.13	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1605808	9.02	ppbv	99
25) Ethyl Acetate	5.91	43	2671870	8.88	ppbv	100
26) Hexane	5.92	57	1193276	8.92	ppbv	100
27) Carbon Disulfide	4.75	76	1728982	9.83	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	1465172	9.23	ppbv	100
29) Chloroform	5.99	83	2016139	8.73	ppbv	100
30) Cyclohexane	7.40	84	971474	9.49	ppbv	99
31) cis-1,2-Dichloroethene	5.78	61	1187620	9.38	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	2090879	9.30	ppbv	99
34) 2-Butanone	5.47	43	1759866	9.52	ppbv	99
35) Carbon Tetrachloride	7.29	117	2255364	9.54	ppbv	97
36) Benzene	7.16	78	2373047	9.14	ppbv	98
37) 1,2-Dichloroethane	6.56	62	1808883	8.98	ppbv	99
38) Trichloroethene	8.13	130	1017480	10.08	ppbv	98
39) 1,2-Dichloropropane	7.90	63	903716	9.27	ppbv	97
40) 1,4-Dioxane	8.12	88	359507	9.03	ppbv #	1
41) Tetrahydrofuran	6.30	42	915232	8.97	ppbv	99
42) Bromodichloromethane	8.08	83	2264677	9.37	ppbv	97
43) Methyl Methacrylate	8.30	69	959283	10.11	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031424.D
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 Sample : VL0122ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0122ABS01

Manual Integrations
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 1/24/2018 5:10:17 PM

Quant Time: Jan 23 06:34:05 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4113871	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	1454076	10.69	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	1670932	10.01	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	1070598	9.34	ppbv	97
48) Dibromochloromethane	10.62	129	1964437	9.63	ppbv	100
49) Bromoform	13.38	173	1551063	9.99	ppbv	99
50) 4-Methyl-2-Pentanone	9.03	43	2304265	9.27	ppbv	99
51) 2-Hexanone	10.44	43	2288308	9.65	ppbv #	99
52) Tetrachloroethene	11.54	164	962449	9.87	ppbv	97
53) Toluene	10.12	91	3036307	9.91	ppbv	99
54) 1,2-Dibromoethane	10.93	107	1709858	9.59	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.45	131	1348716	8.99	ppbv	99
57) Chlorobenzene	12.48	112	2416666	8.84	ppbv	100
58) Ethyl Benzene	13.03	91	4345672	9.39	ppbv	100
59) m/p-Xylene	13.32	91	7163709m	18.08	ppbv	
60) o-Xylene	14.03	91	3676512	9.27	ppbv	99
61) Styrene	13.85	104	867642	10.07	ppbv	99
62) Isopropylbenzene	15.00	105	4520759	9.09	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2409916	8.83	ppbv	100
64) n-propylbenzene	15.89	120	1132343	9.18	ppbv	98
65) tert-Butylbenzene	17.08	119	3986185	9.08	ppbv	100
66) Benzyl Chloride	17.32	91	552851	12.61	ppbv	98
67) sec-Butylbenzene	17.63	105	5642466	9.20	ppbv	100
69) p-Isopropyltoluene	17.99	119	4643010	9.43	ppbv	99
70) n-Butylbenzene	18.88	91	4805801	9.38	ppbv	100
71) 2-Chlorotoluene	15.79	91	3473069	9.26	ppbv	100
72) 4-Ethyltoluene	16.17	105	3782729	9.44	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	3364049	9.23	ppbv	99
74) 1,2,4-Trimethylbenzene	17.10	105	3626961	8.99	ppbv #	91
75) 1,3-Dichlorobenzene	17.34	146	2262924	9.02	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2269804	9.24	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2200217	9.06	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	604855	7.08	ppbv	99
79) Naphthalene	22.61	128	2408655	9.69	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	536931	7.74	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	1109336	8.35	ppbv	99

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

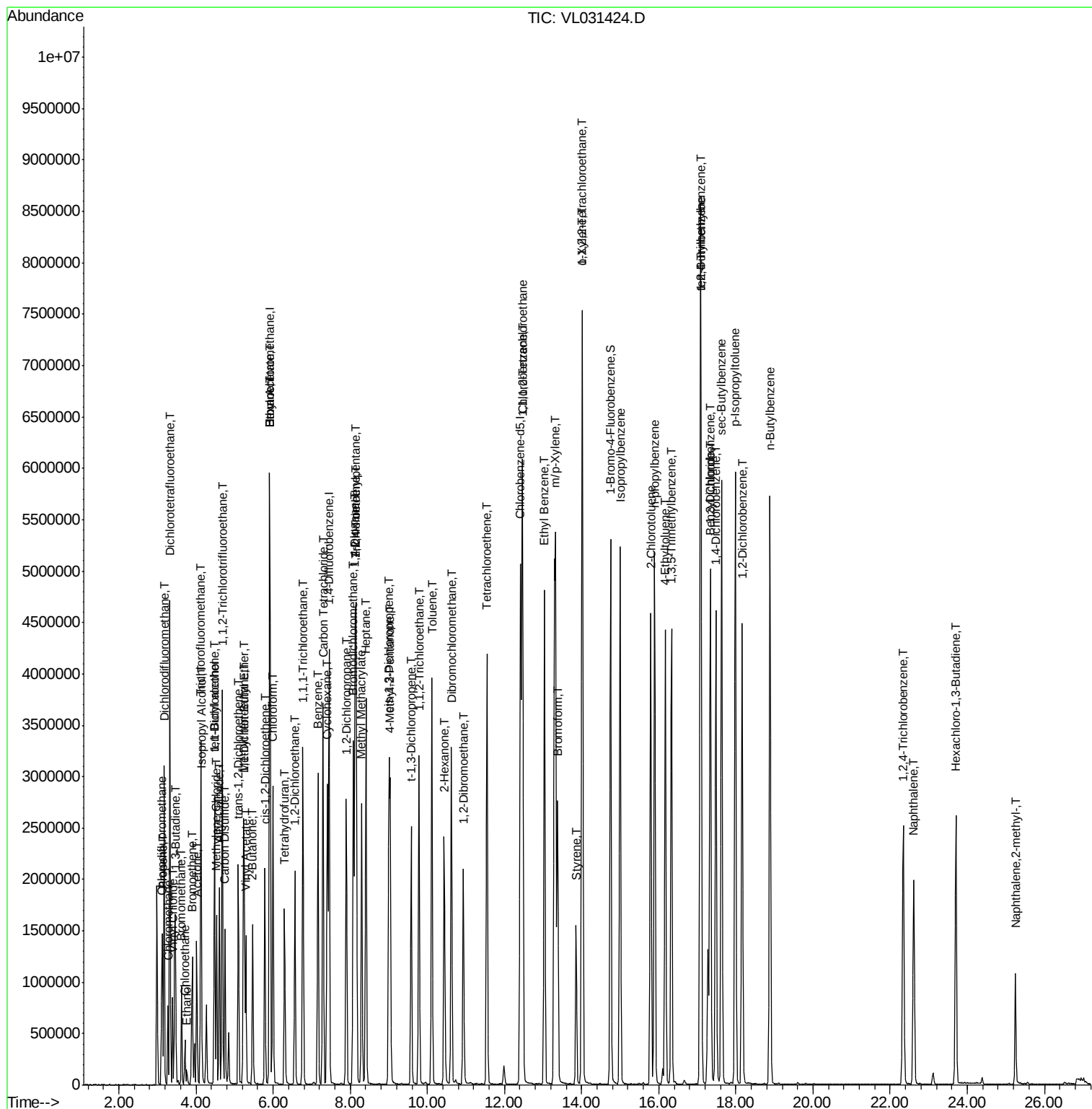
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Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\  
Data File : VL031424.D  
Acq On    : 22 Jan 2018   20:34  
Operator  : SY/AP  
Sample    : VL0122ABS01  
Misc      : 400ml/MSVOA L  
ALS Vial  : 1      Sample Multiplier: 1
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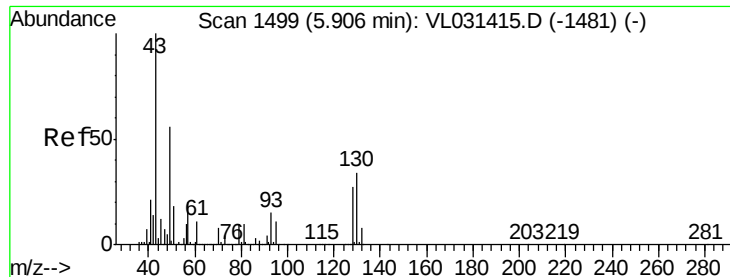
Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Manual Integrations APPROVED

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Quant Time: Jan 23 06:34:05 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 49 Resp: 1267903

Ion Ratio Lower Upper

49 100

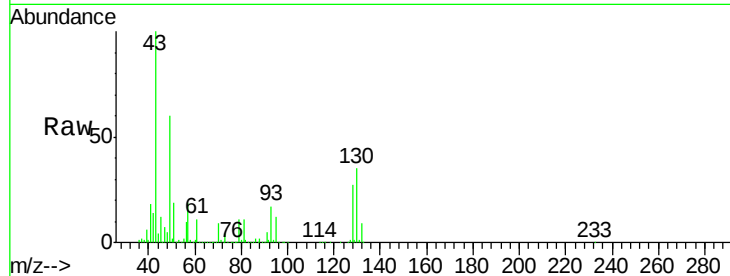
128 46.6 23.5 70.6

130 60.2 29.9 89.7

Manual Integrations
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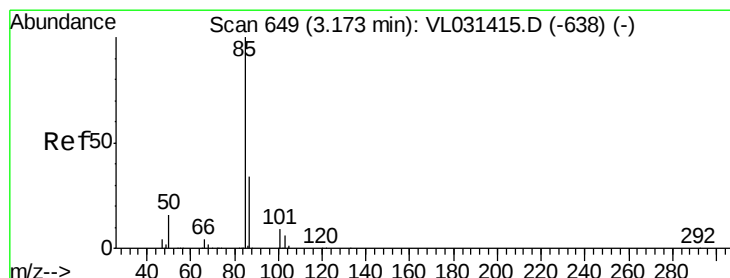
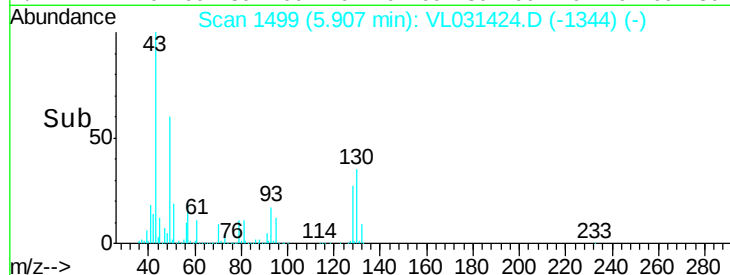
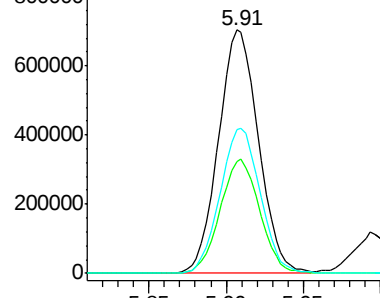
1/24/2018 5:10:17 PM



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: 12.39 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031424.D

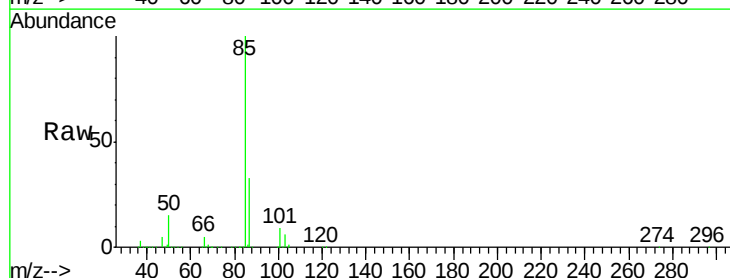
Acq: 22 Jan 2018 20:34

Tgt Ion: 85 Resp: 2223172

Ion Ratio Lower Upper

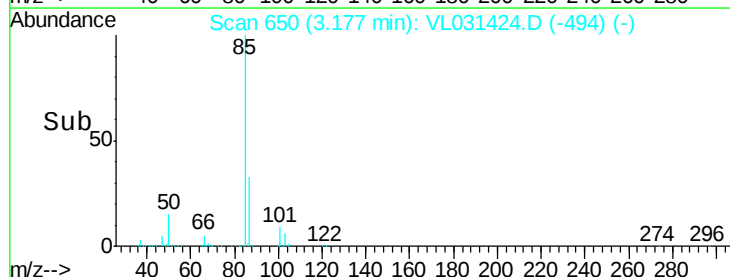
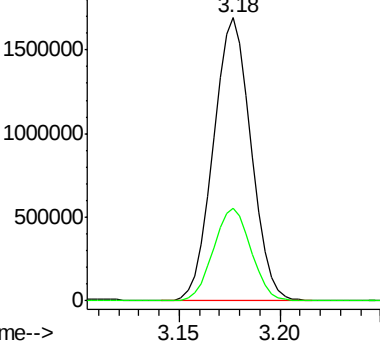
85 100

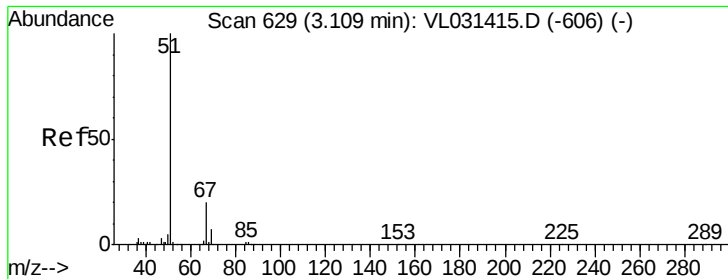
87 32.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.53 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tot Ion: 51 Resp: 1263009

Ion Ratio Lower Upper

51 100

67 20.3 16.0 24.0

Instrument :

MSVOA_L

ClientSampleId :

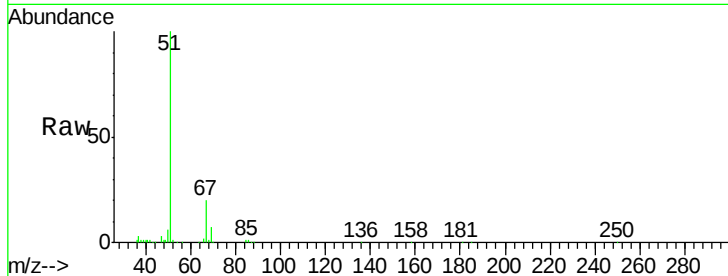
VL0122ABS01

Manual Integrations

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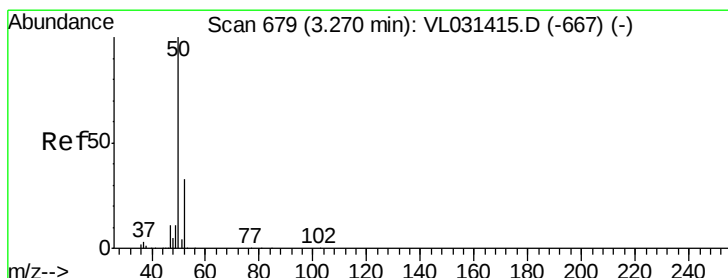
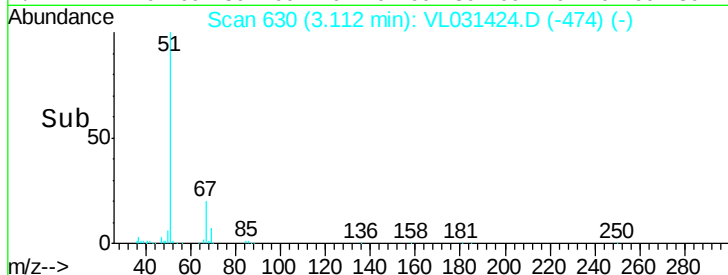
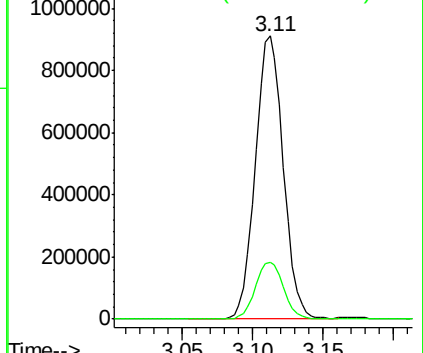
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.90 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031424.D

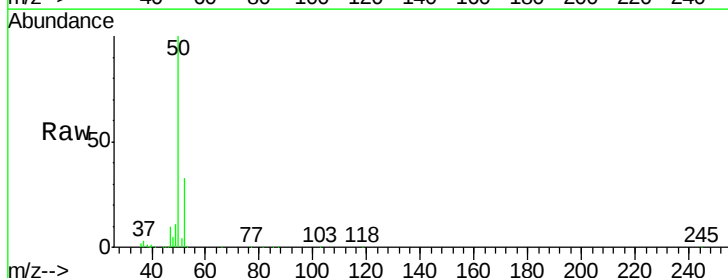
Acq: 22 Jan 2018 20:34

Tgt Ion: 50 Resp: 666351

Ion Ratio Lower Upper

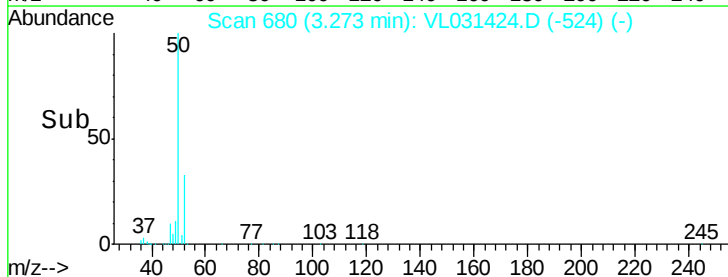
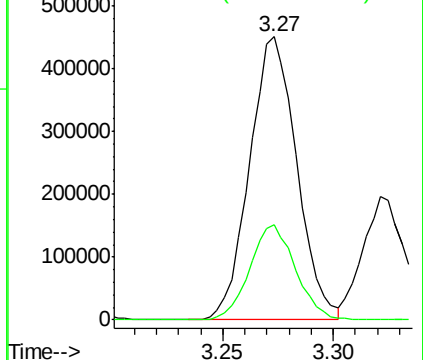
50 100

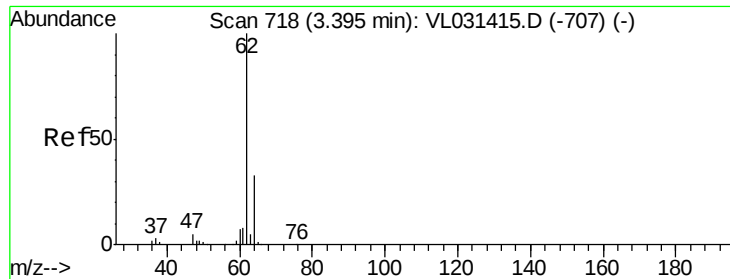
52 33.5 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.51 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 62 Resp: 684596

Ion Ratio Lower Upper

62 100

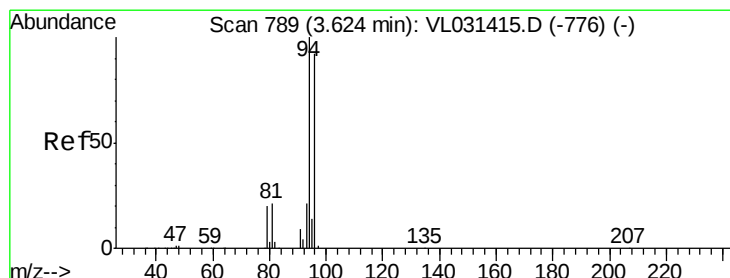
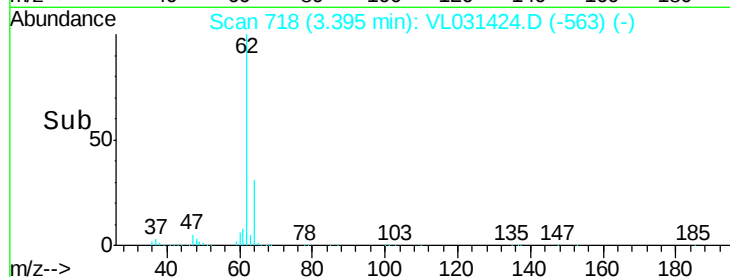
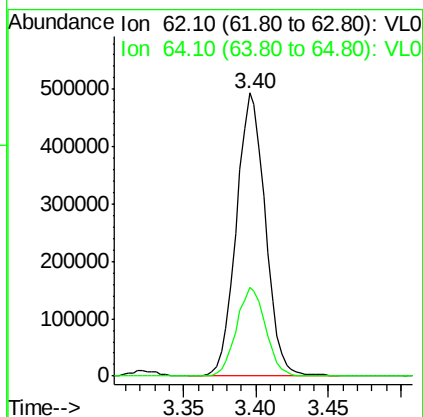
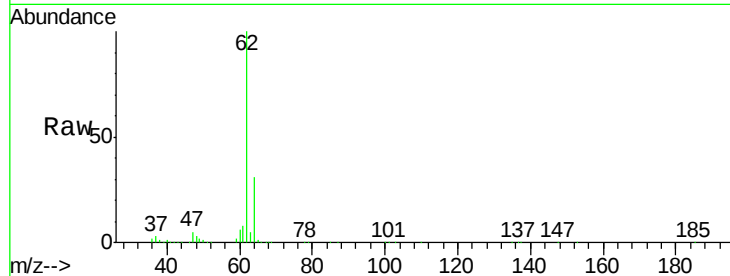
64 31.4 25.4 38.0

Manual Integrations

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#6

Bromomethane

Concen: 9.15 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031424.D

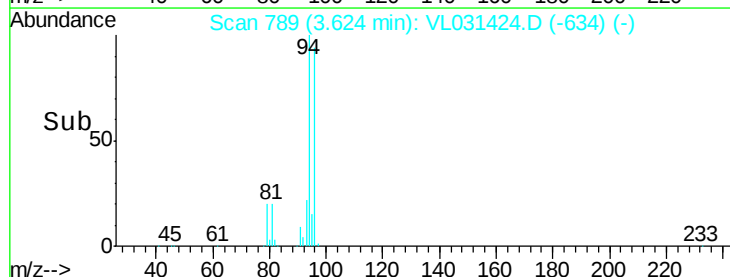
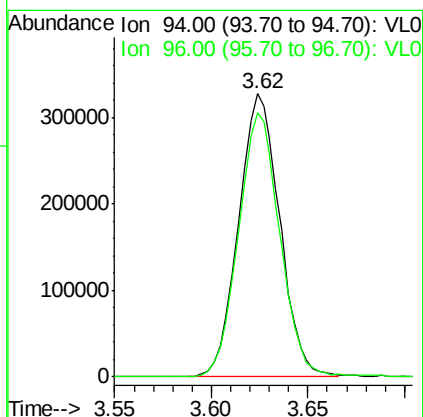
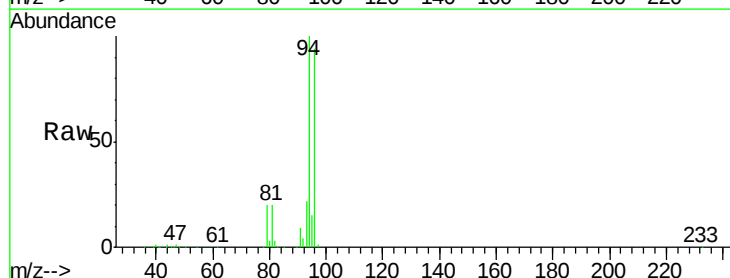
Acq: 22 Jan 2018 20:34

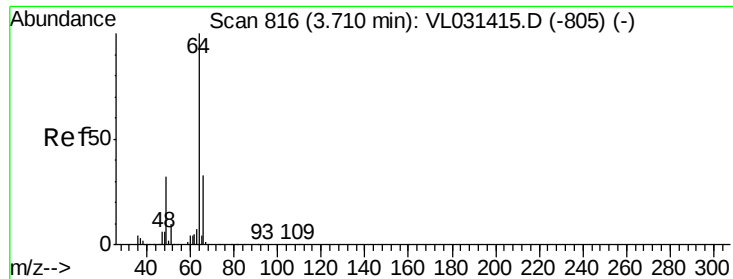
Tgt Ion: 94 Resp: 483241

Ion Ratio Lower Upper

94 100

96 93.5 75.1 112.7





#7

Chloroethane

Concen: 9.06 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 64 Resp: 278576

Ion Ratio Lower Upper

64 100

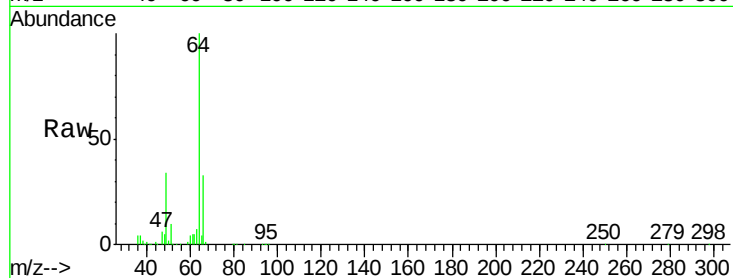
66 32.7 26.3 39.5

Manual Integrations

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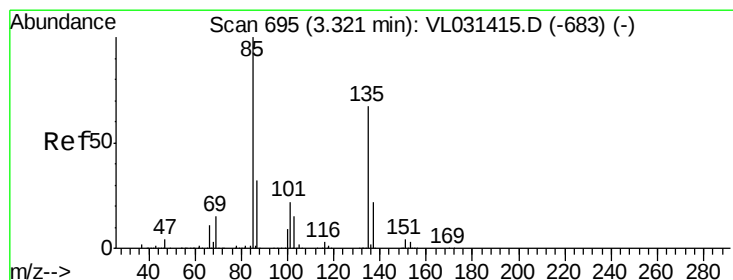
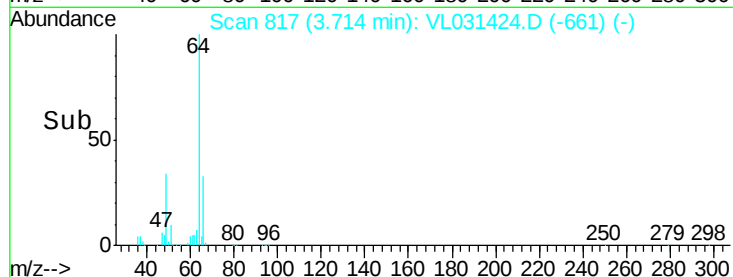
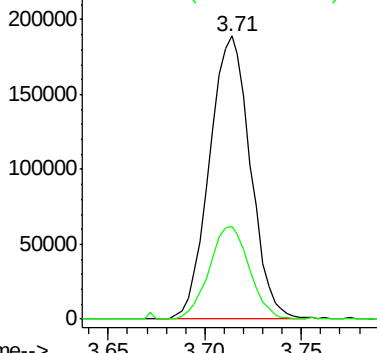
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.02 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031424.D

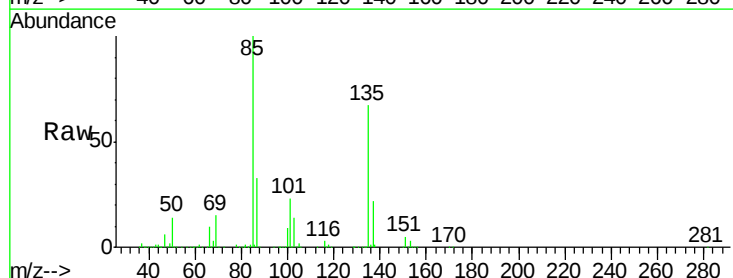
Acq: 22 Jan 2018 20:34

Tgt Ion: 85 Resp: 1802661

Ion Ratio Lower Upper

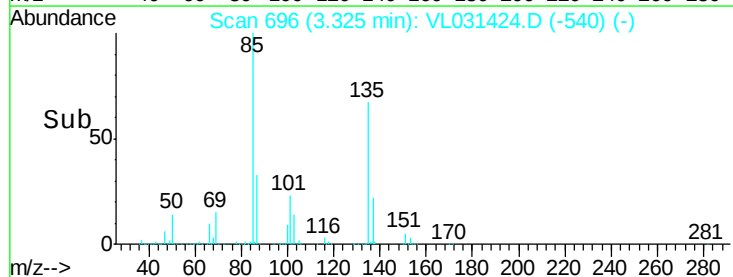
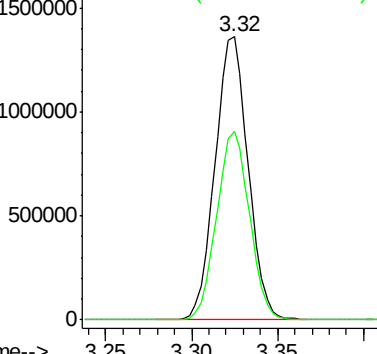
85 100

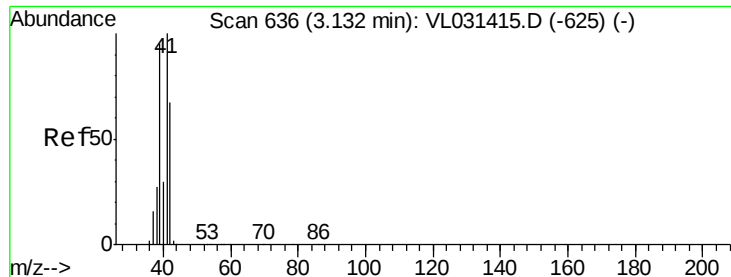
135 66.7 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.25 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 41 Resp: 543481

Ion Ratio Lower Upper

41 100

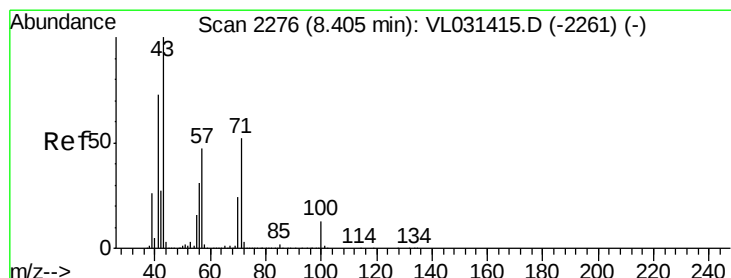
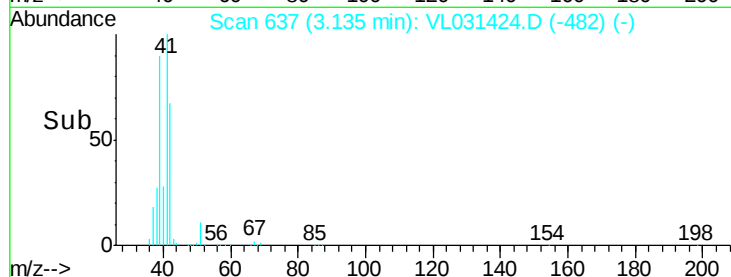
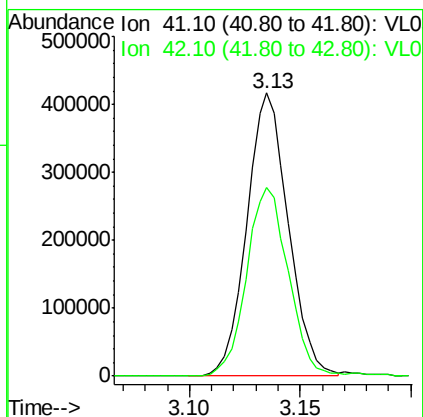
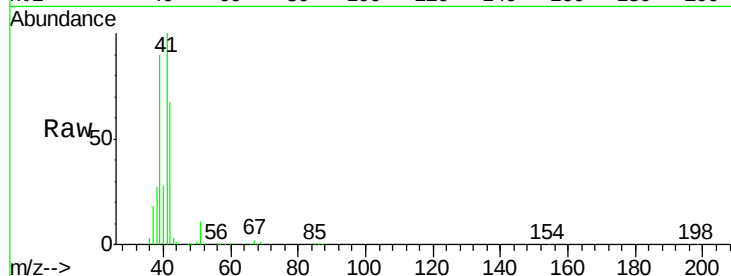
42 68.0 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 9.12 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031424.D

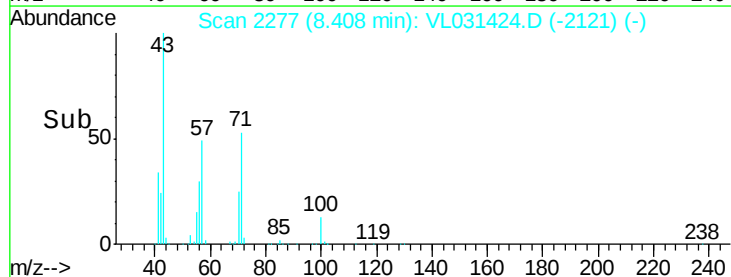
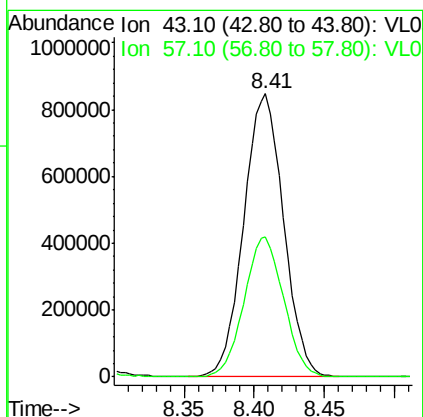
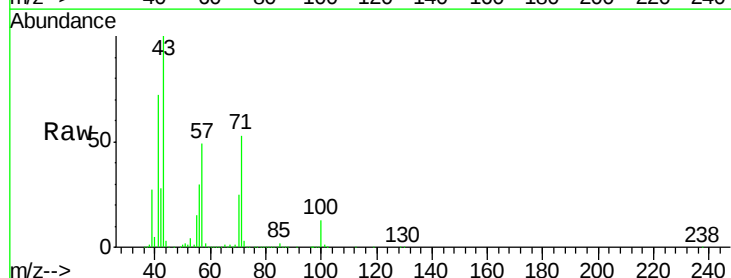
Acq: 22 Jan 2018 20:34

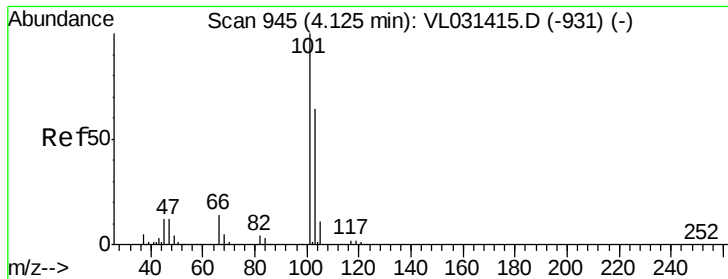
Tgt Ion: 43 Resp: 1667824

Ion Ratio Lower Upper

43 100

57 49.1 39.7 59.5





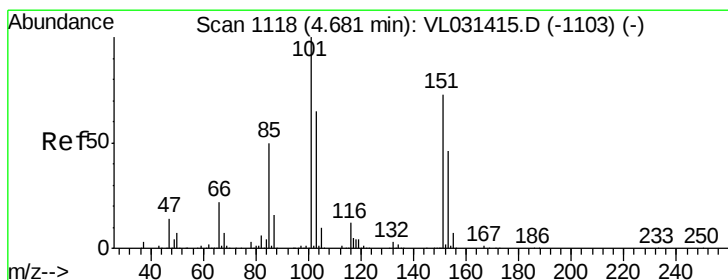
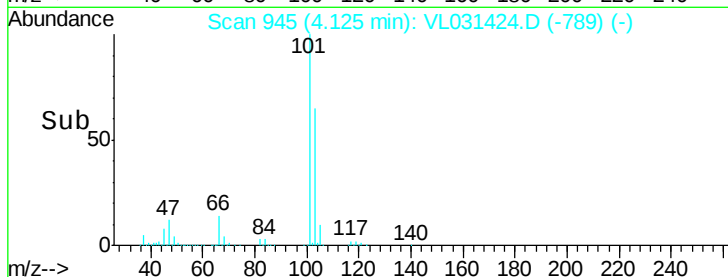
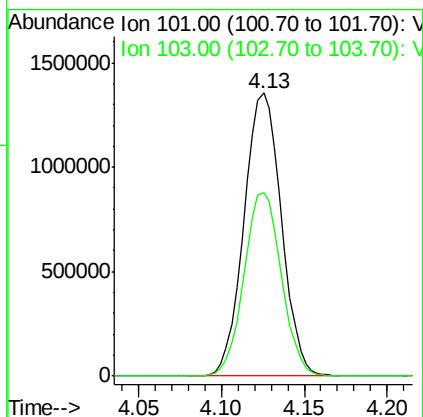
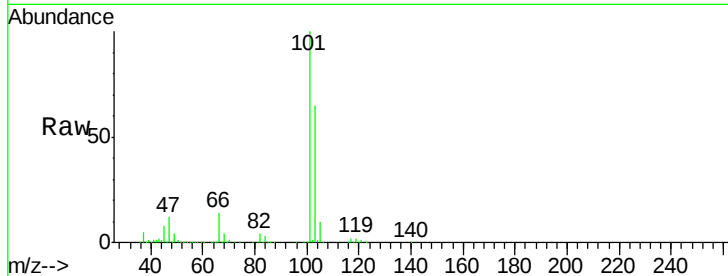
#11
 Trichlorofluoromethane
 Concen: 8.79 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion:101 Resp: 2127698
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.1 79.7

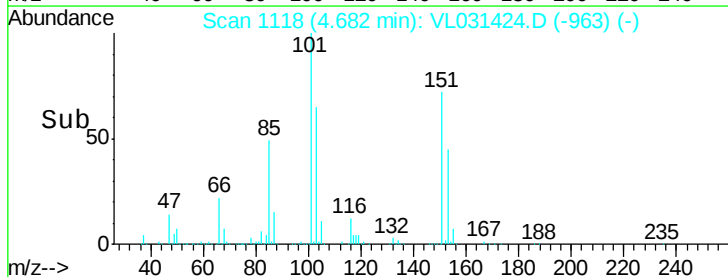
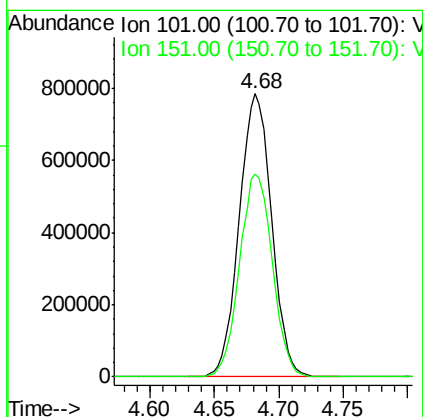
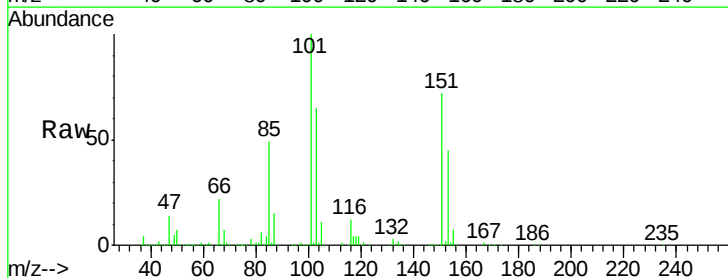
Manual Integrations
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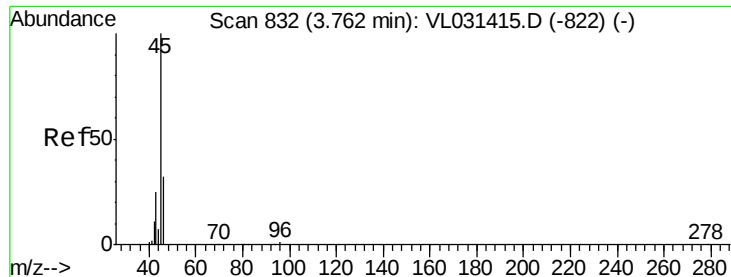
MMDadoda
 1/24/2018 5:10:17 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.06 ppbv
 RT: 4.68 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion:101 Resp: 1374053
 Ion Ratio Lower Upper
 101 100
 151 72.9 58.1 87.1





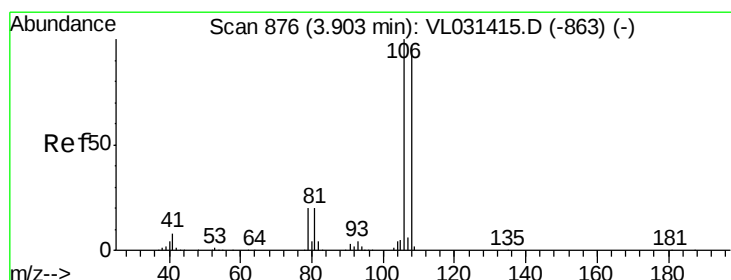
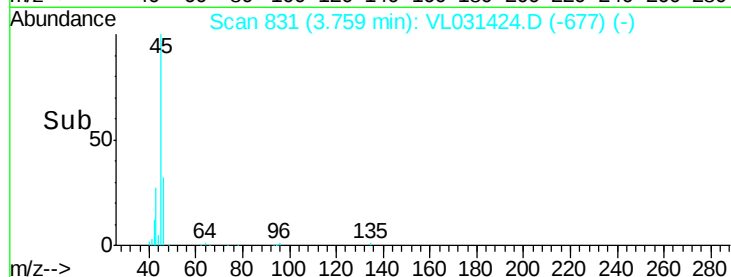
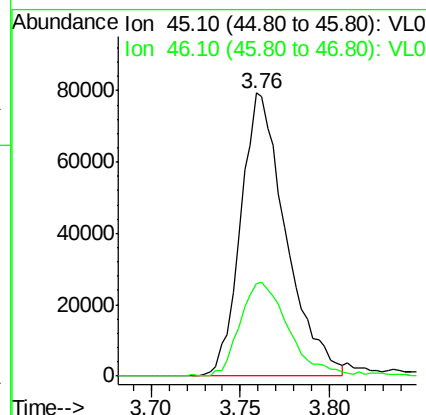
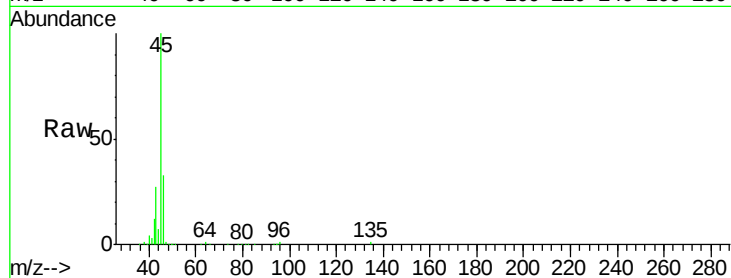
#13
Ethanol
Concen: 7.94 ppbv
RT: 3.76 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	45	Resp	140275
Ion Ratio	100	Lower	Upper
46	36.8	14.9	59.5

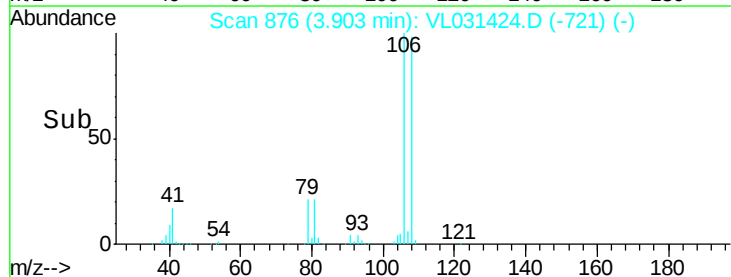
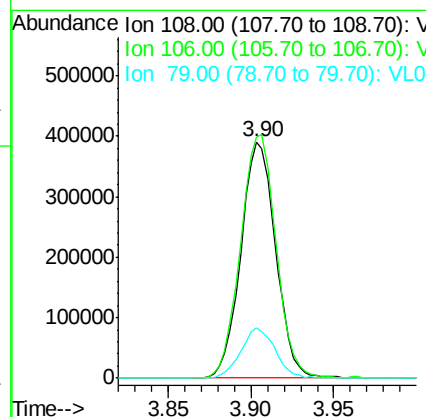
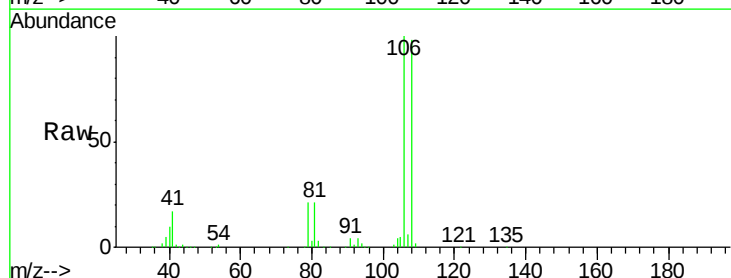
Manual Integrations
APPROVED

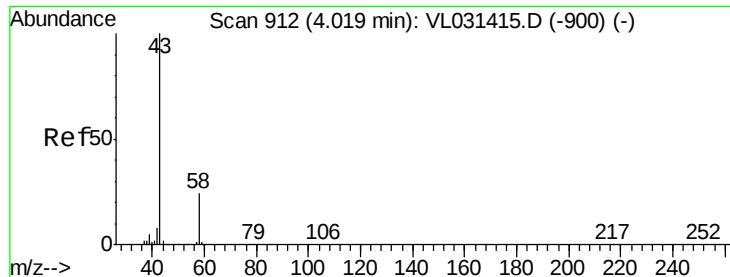
MMDadoda
1/24/2018 5:10:17 PM



#14
Bromoethene
Concen: 9.39 ppbv
RT: 3.90 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	108	Resp	569255
Ion Ratio	100	Lower	Upper
106	105.9	85.3	127.9
79	21.1	16.8	25.2





#15

Acetone

Concen: 8.29 ppbv

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 43 Resp: 1399301

Ion Ratio Lower Upper

43 100

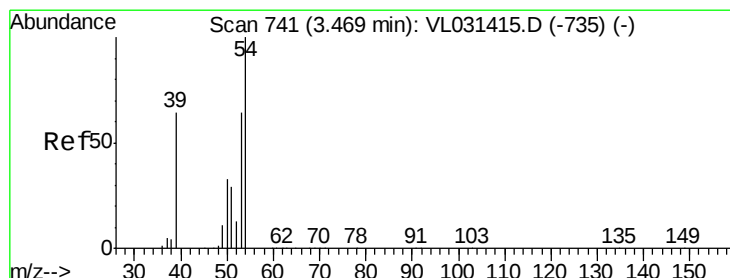
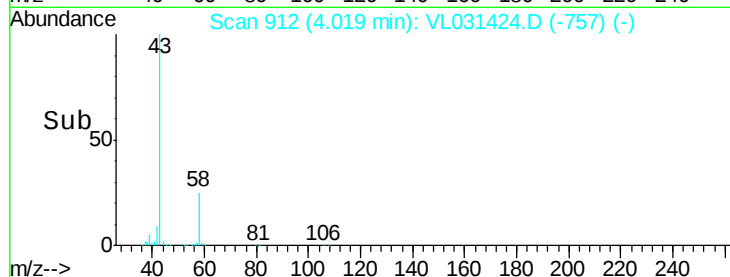
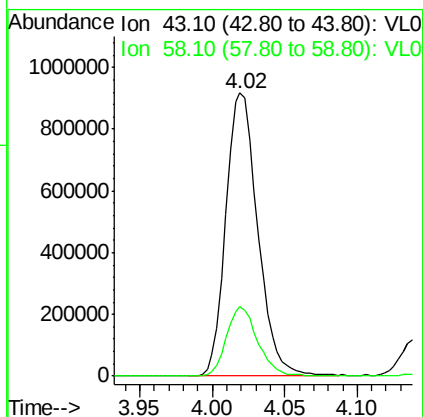
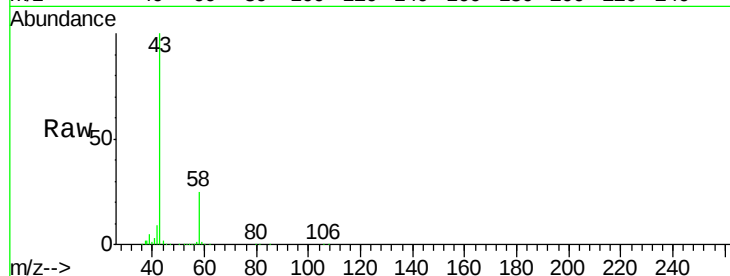
58 23.9 19.4 29.2

Manual Integrations

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#16

1,3-Butadiene

Concen: 8.63 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031424.D

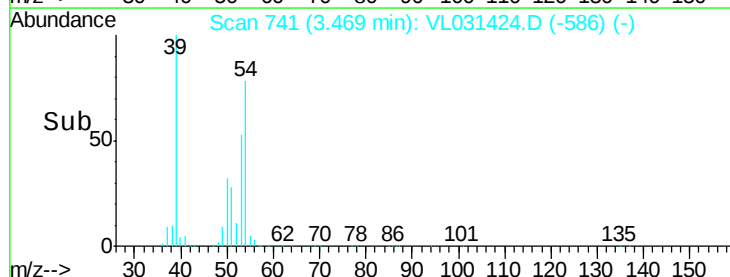
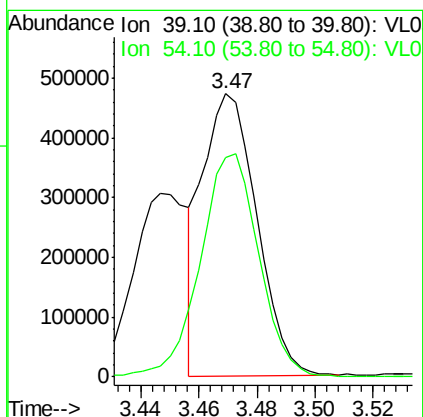
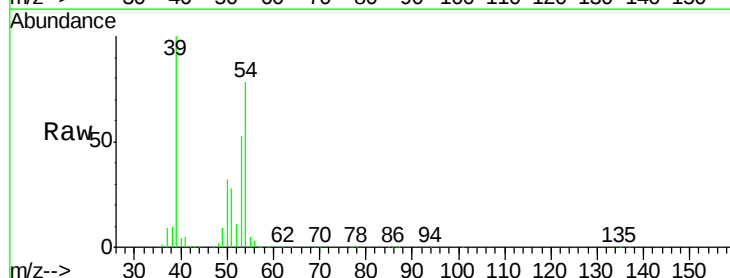
Acq: 22 Jan 2018 20:34

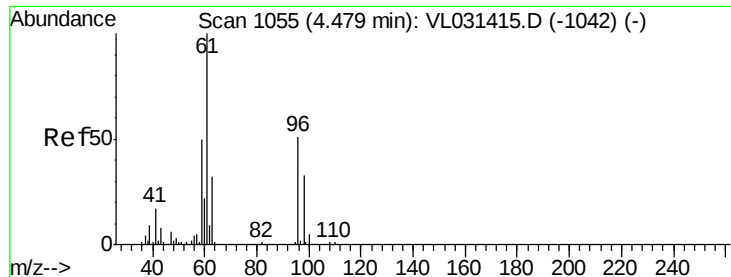
Tgt Ion: 39 Resp: 611963

Ion Ratio Lower Upper

39 100

54 86.1 67.0 100.6





#17

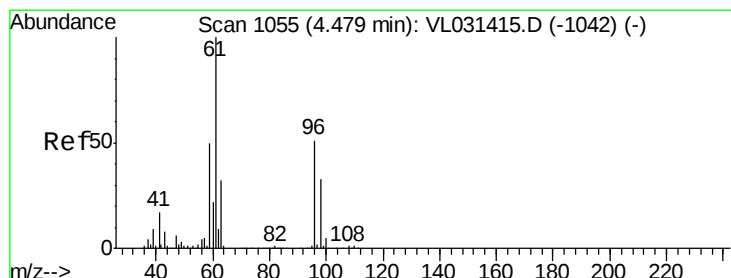
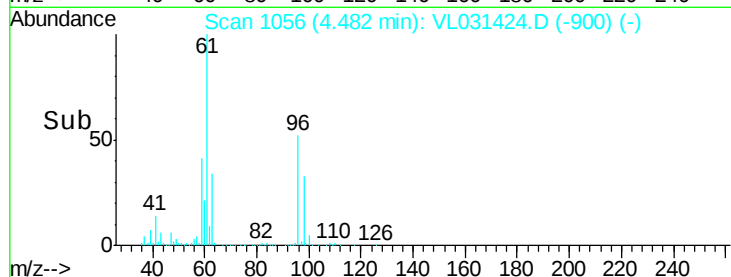
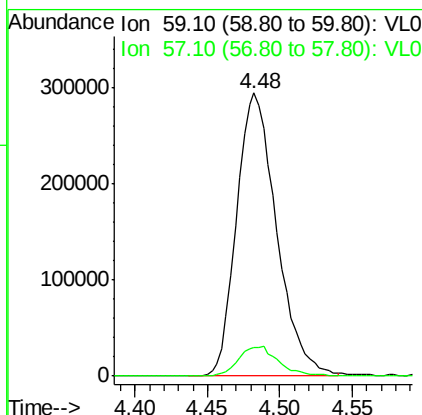
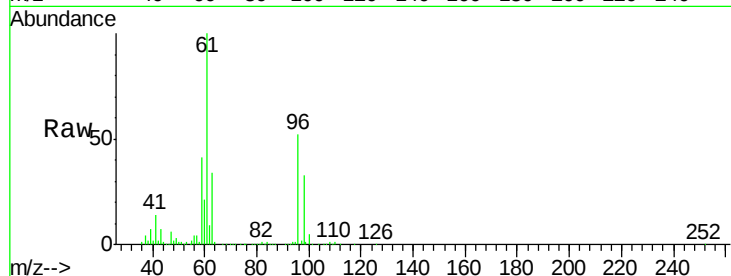
tert-Butyl alcohol
Concen: 6.87 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	59	Resp	564371
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

Manual Integrations
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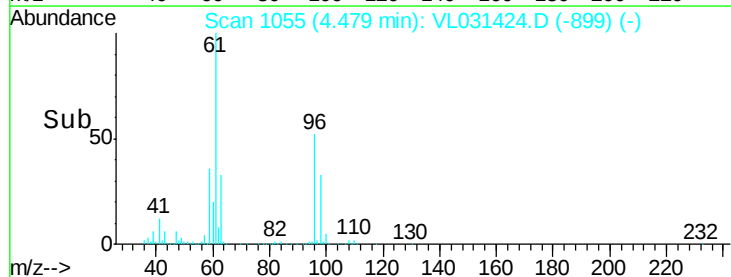
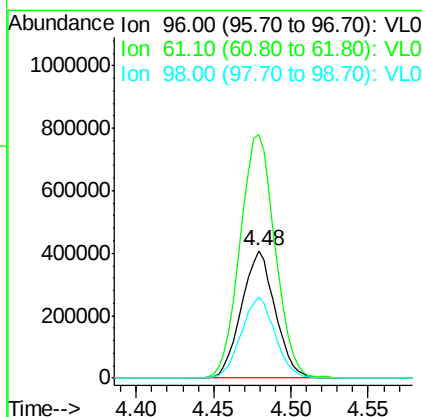
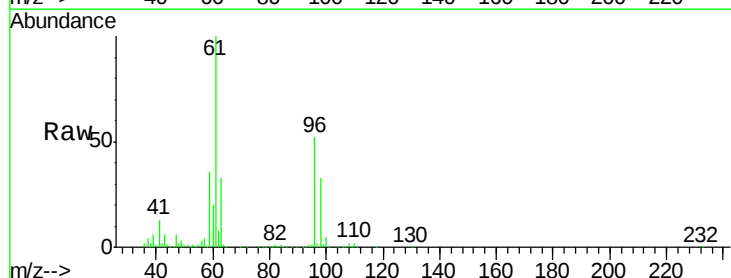
MMDadoda
1/24/2018 5:10:17 PM

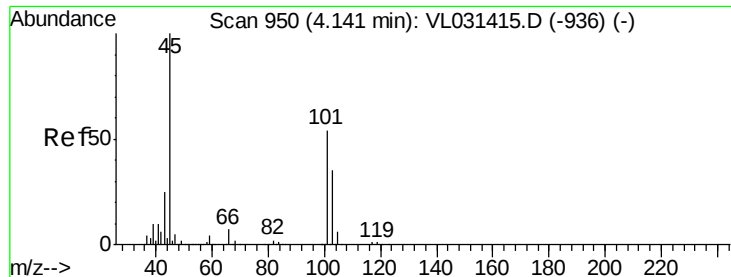


#18

1,1-Dichloroethene
Concen: 9.45 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	96	Resp	617548
Ion	Ratio	Lower	Upper
96	100		
61	191.4	161.6	242.4
98	63.6	49.6	74.4





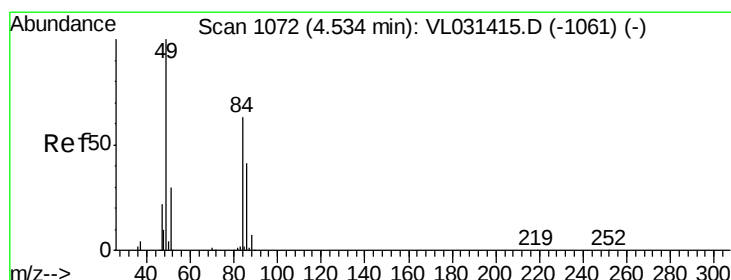
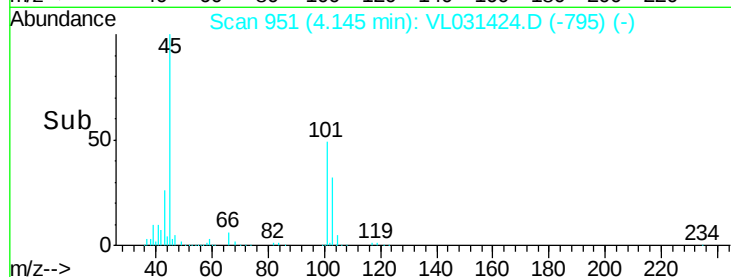
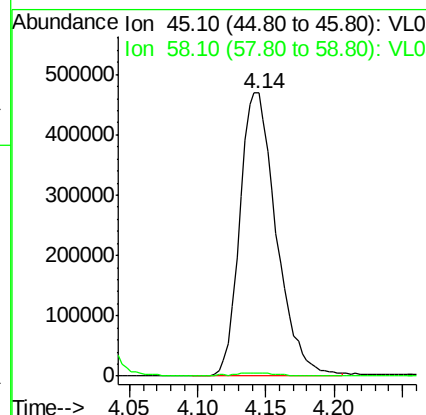
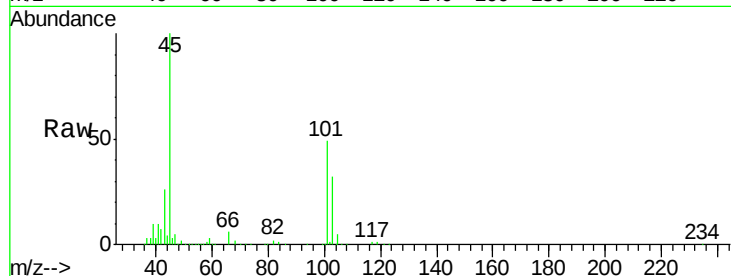
#19
Isopropyl Alcohol
Concen: 8.26 ppbv
RT: 4.14 min Scan# 951
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampled :
VL0122ABS01

Tot Ion: 45 Resp: 870382
Ion Ratio Lower Upper
45 100
58 1.8 1.0 1.4#

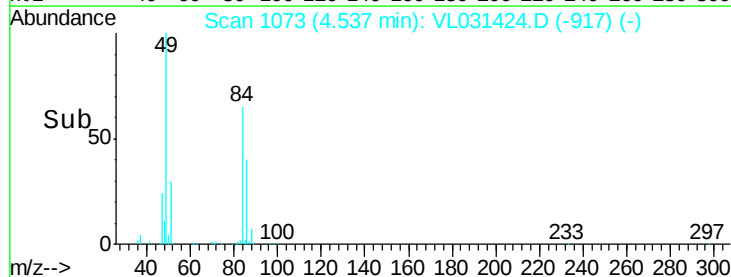
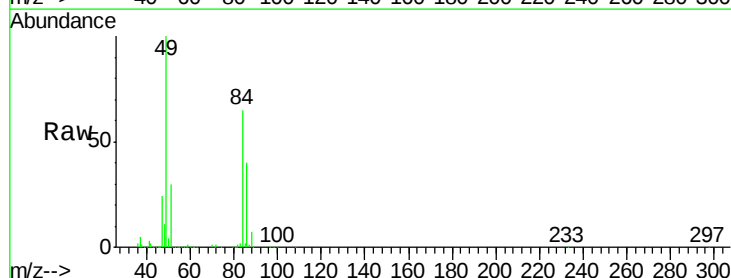
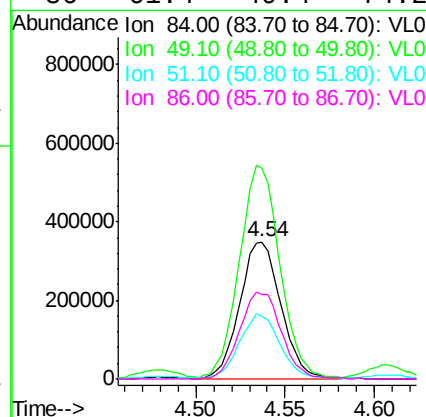
Manual Integrations
APPROVED

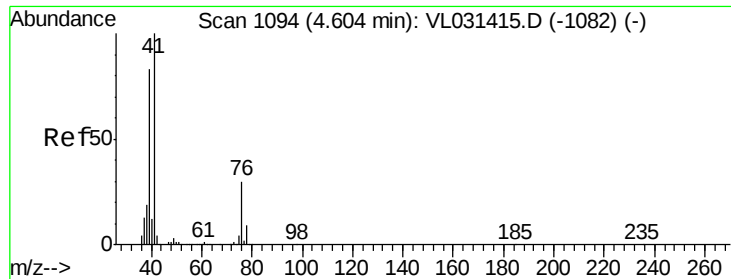
MMDadoda
1/24/2018 5:10:17 PM



#20
Methylene Chloride
Concen: 8.50 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 84 Resp: 557078
Ion Ratio Lower Upper
84 100
49 153.5 123.4 185.0
51 45.7 35.6 53.4
86 61.4 49.4 74.2





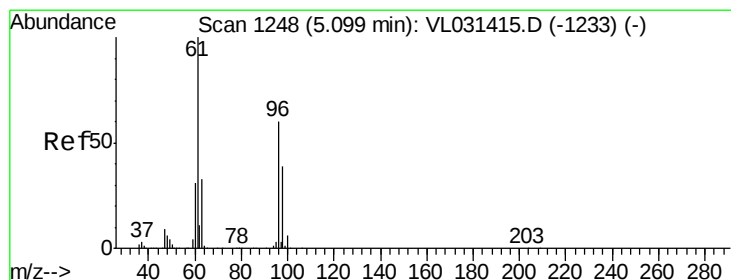
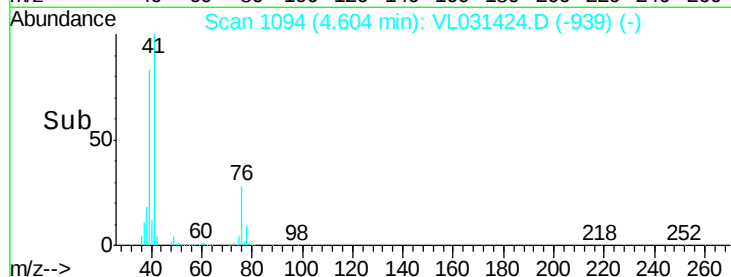
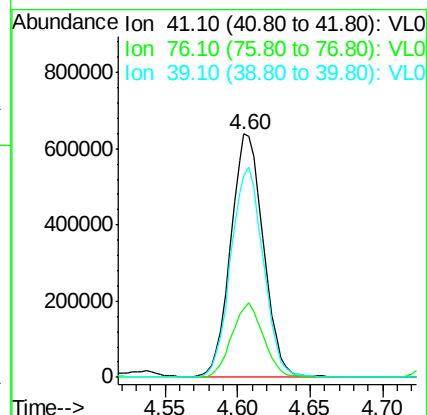
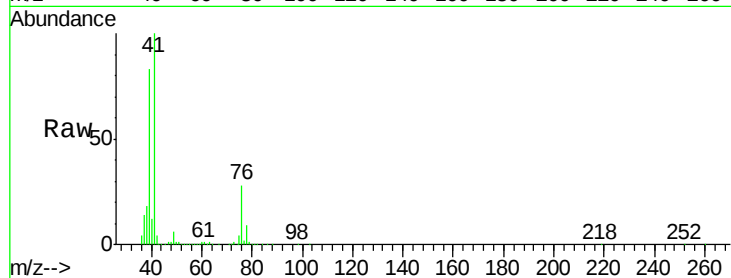
#21
Allvl Chloride
Concen: 9.77 ppbv
RT: 4.60 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.2	36.2
39	86.3	69.8	104.8

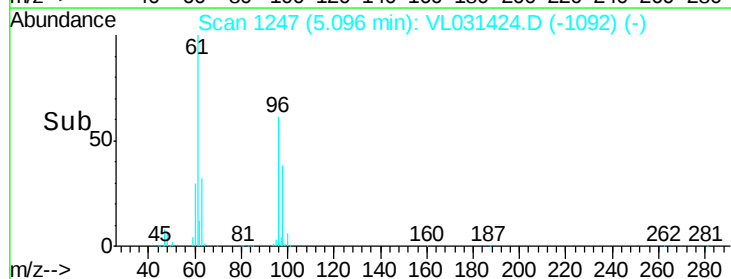
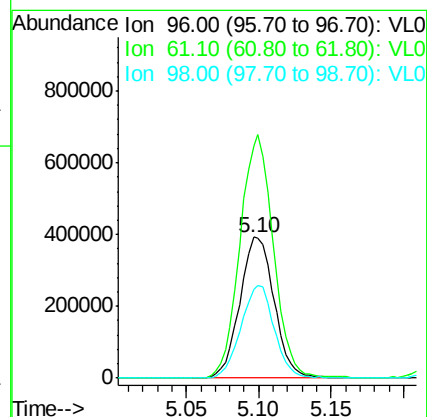
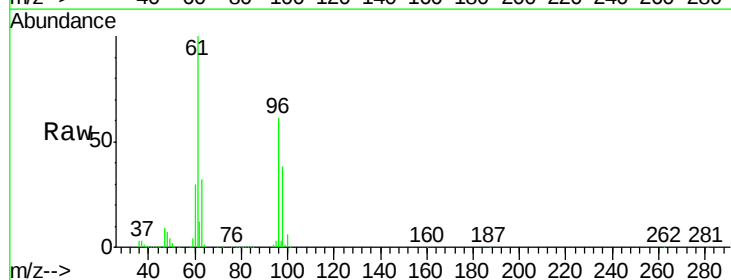
Manual Integrations
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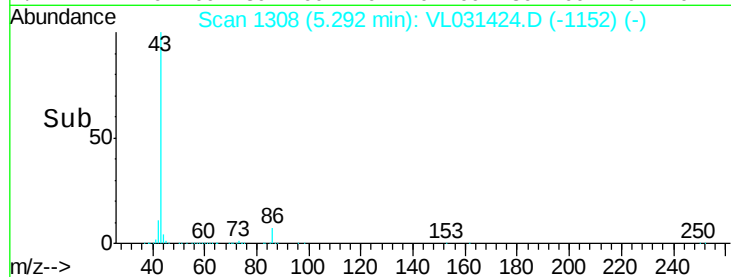
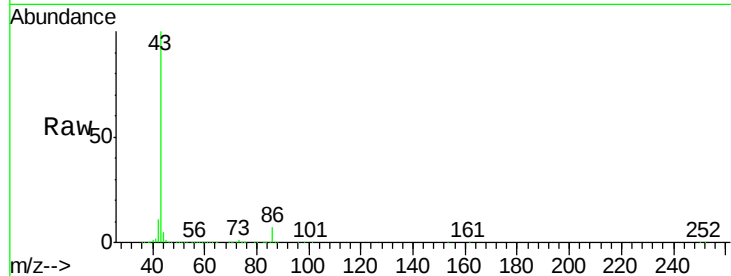
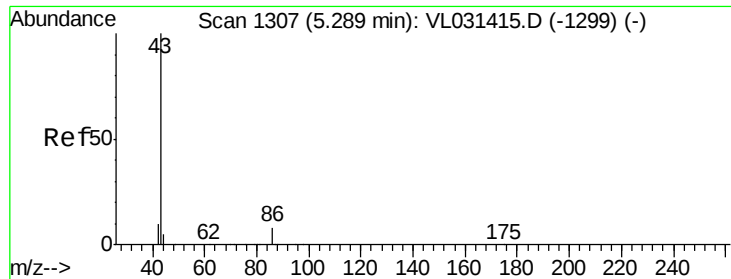
MMDadoda
1/24/2018 5:10:17 PM



#22
trans-1,2-Dichloroethene
Concen: 9.42 ppbv
RT: 5.10 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	135.0	202.4
98	62.8	52.2	78.2





#23

Vinyl Acetate

Concen: 9.13 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tot Ion: 43 Resp: 1863907

Ion Ratio Lower Upper

43 100

86 7.2 5.6 8.4

42 10.6 8.6 12.8

44 4.5 4.2 6.4

Instrument :

MSVOA_L

ClientSampleId :

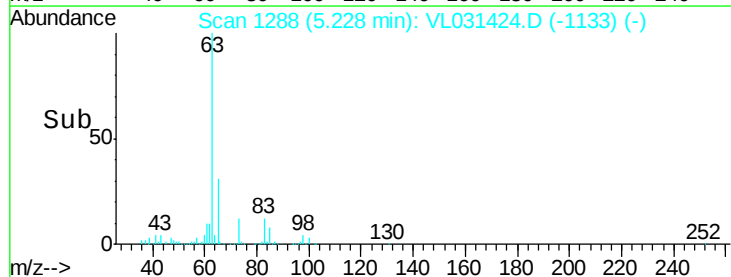
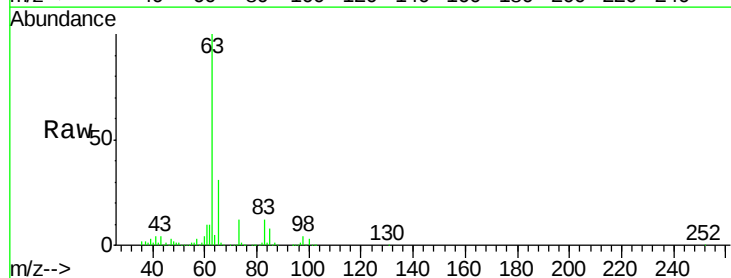
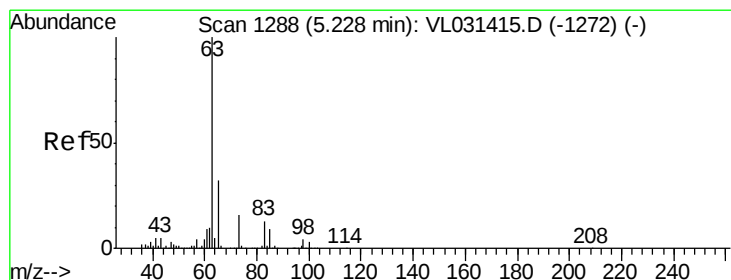
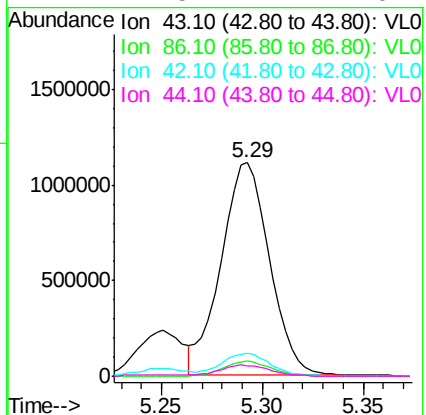
VL0122ABS01

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#24

1,1-Dichloroethane

Concen: 9.02 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

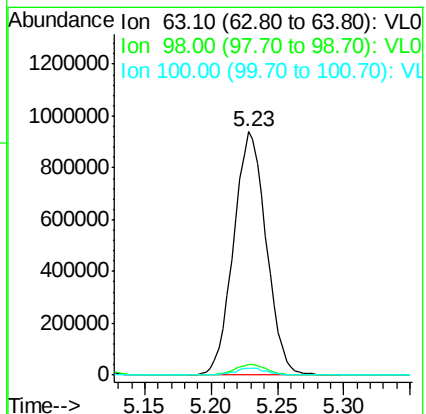
Tgt Ion: 63 Resp: 1605808

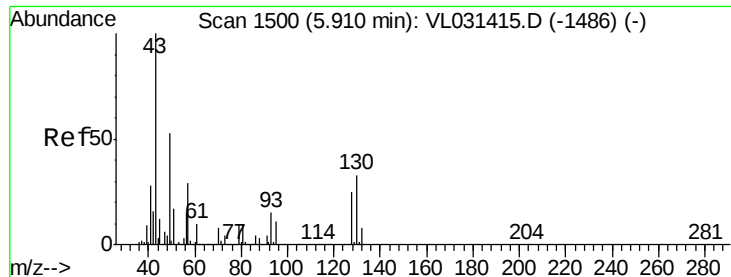
Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

100 2.8 1.3 3.9





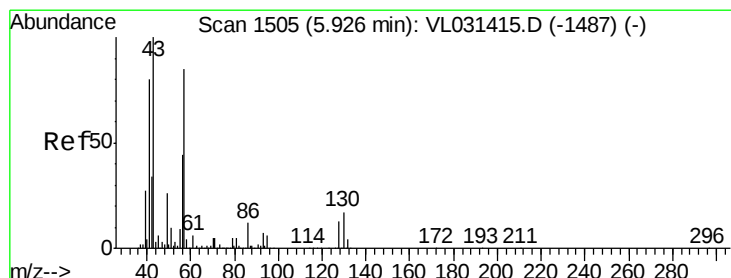
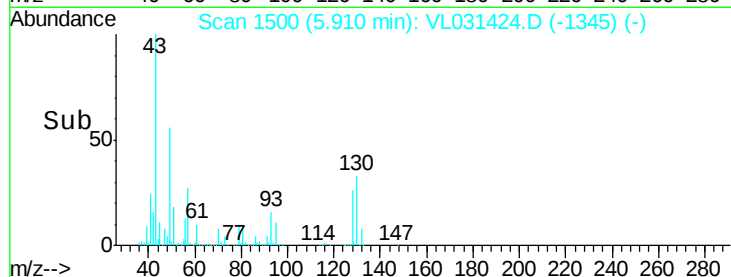
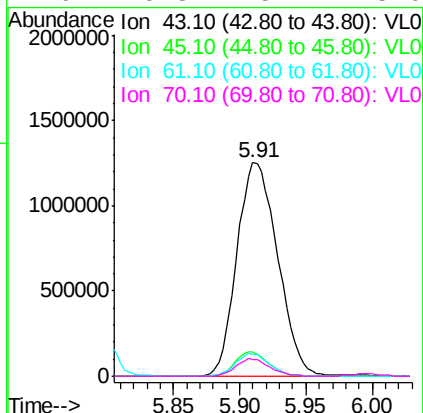
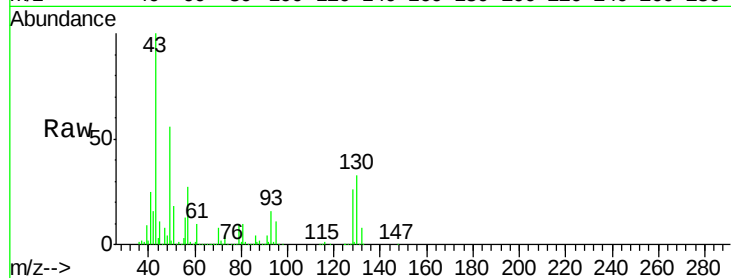
#25
Ethyl Acetate
Concen: 8.88 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	43	Resp	2671870
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	8.8	7.0	10.6
70	6.8	5.4	8.0

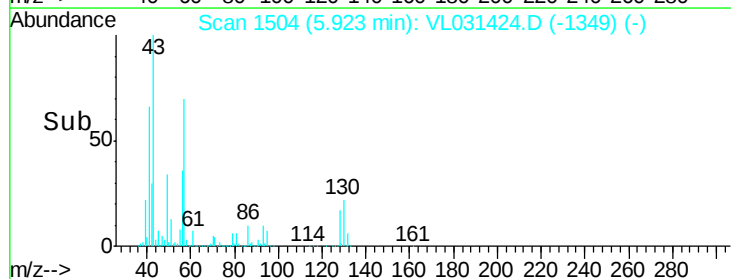
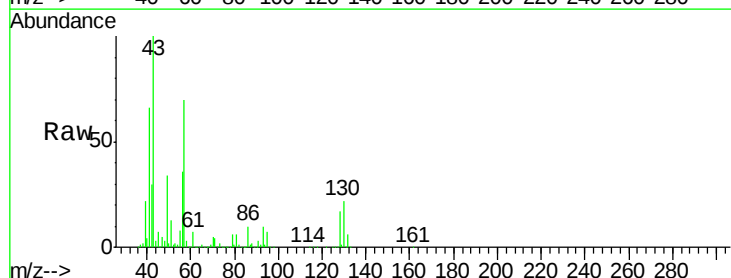
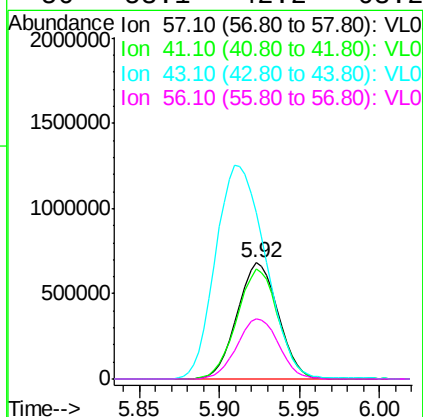
Manual Integrations
APPROVED

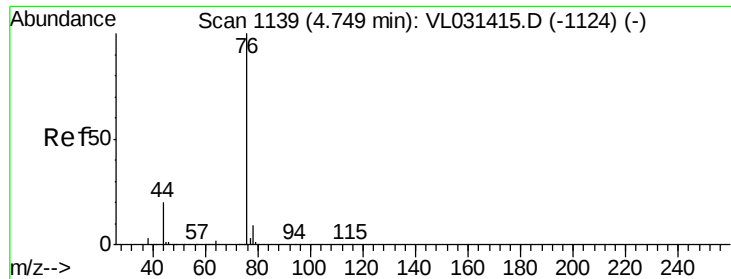
MMDadoda
1/24/2018 5:10:17 PM



#26
Hexane
Concen: 8.92 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	57	Resp	1193276
Ion	Ratio	Lower	Upper
57	100		
41	96.1	77.1	115.7
43	225.2	180.7	271.1
56	53.1	42.2	63.2





#27

Carbon Disulfide

Concen: 9.83 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampled :

VL0122ABS01

Tot Ion: 76 Resp: 1728982

Ion Ratio Lower Upper

76 100

44 20.5 16.7 25.1

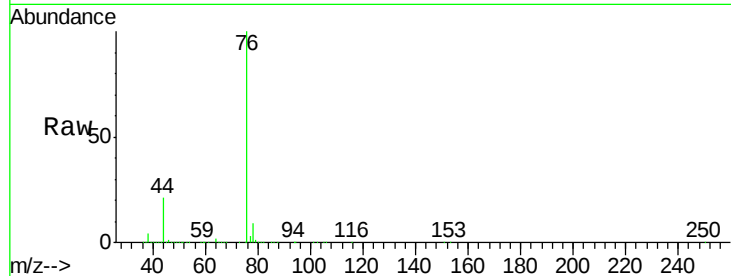
78 9.2 7.5 11.3

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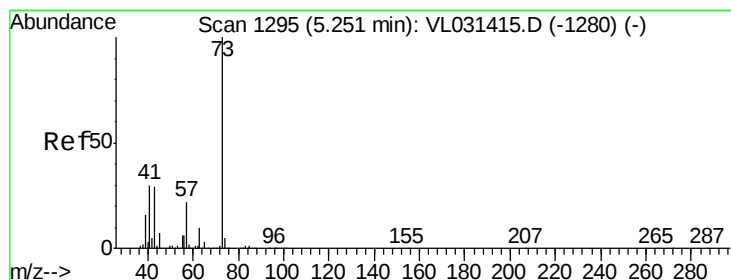
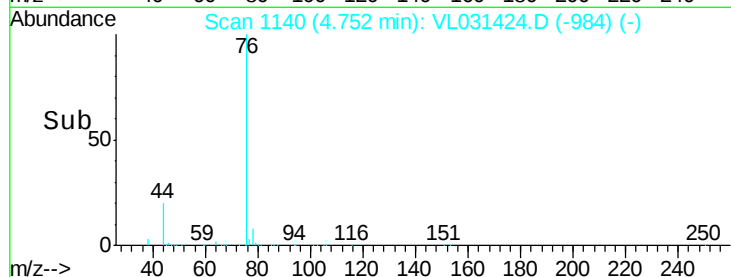
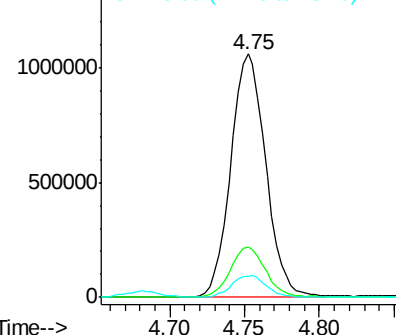
1/24/2018 5:10:17 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.23 ppbv

RT: 5.25 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VL031424.D

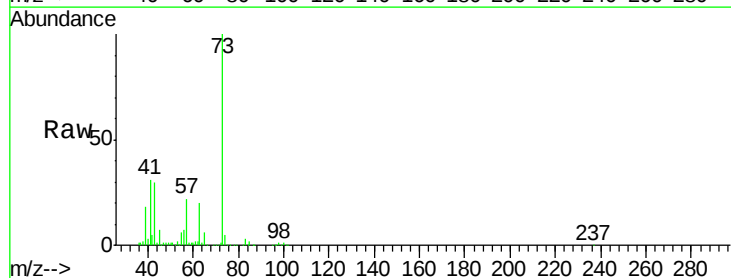
Acq: 22 Jan 2018 20:34

Tgt Ion: 73 Resp: 1465172

Ion Ratio Lower Upper

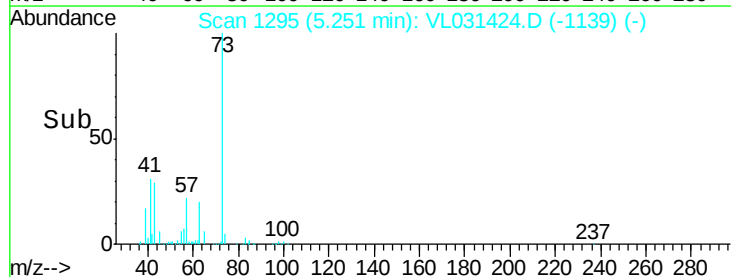
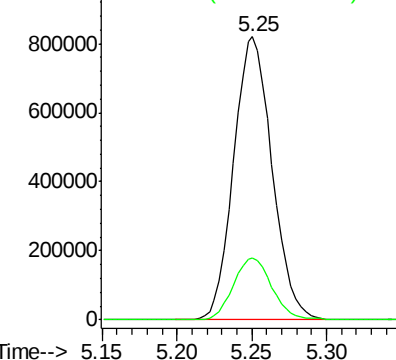
73 100

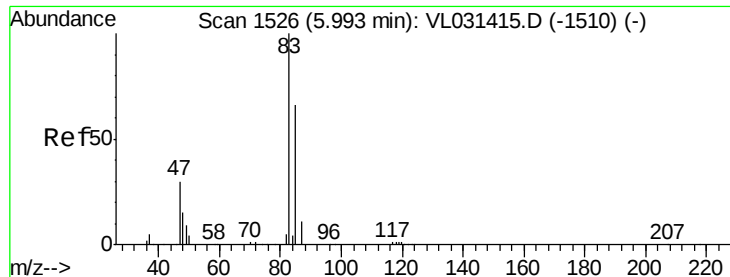
57 22.1 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





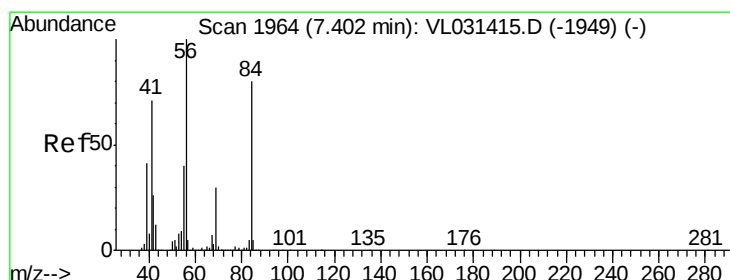
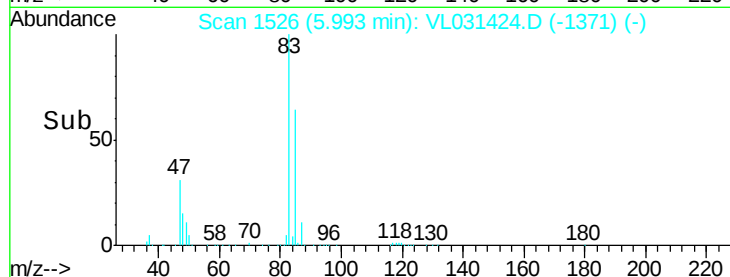
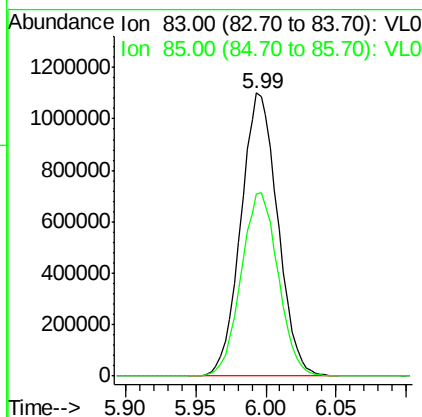
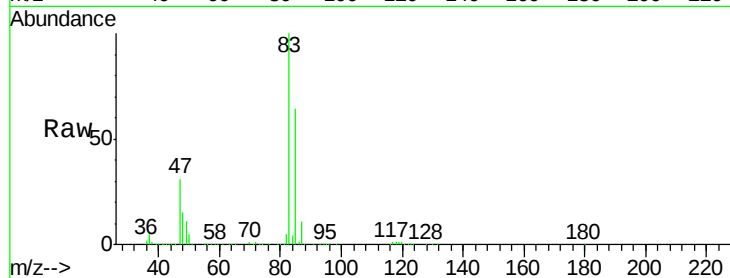
#29
Chloroform
Concen: 8.73 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion: 83 Resp: 2016139
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9

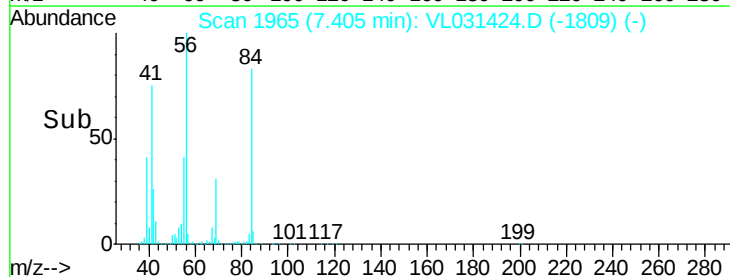
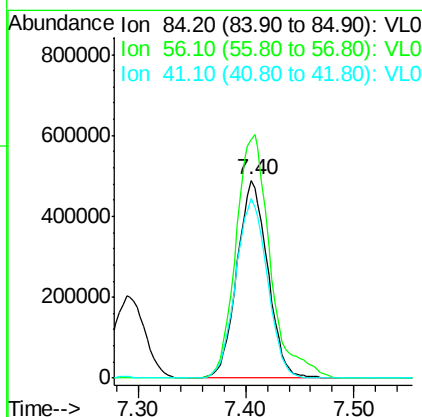
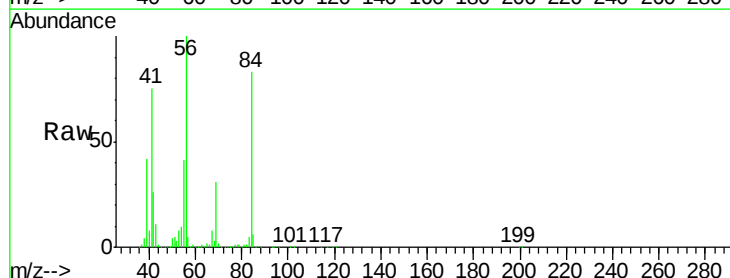
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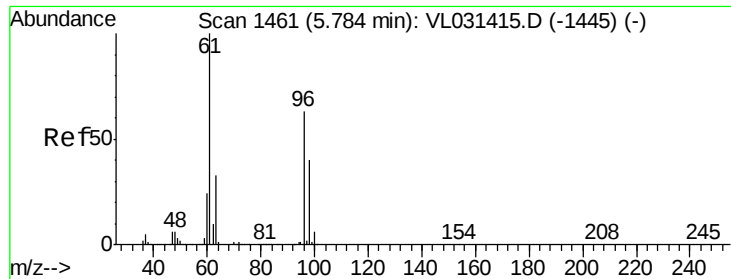
MM Dadoda
1/24/2018 5:10:17 PM



#30
Cyclohexane
Concen: 9.49 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 84 Resp: 971474
Ion Ratio Lower Upper
84 100
56 137.4 109.0 163.4
41 93.5 73.3 109.9





#31

cis-1,2-Dichloroethene

Concen: 9.38 ppbv

RT: 5.78 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 61 Resp: 1187620

Ion Ratio Lower Upper

61 100

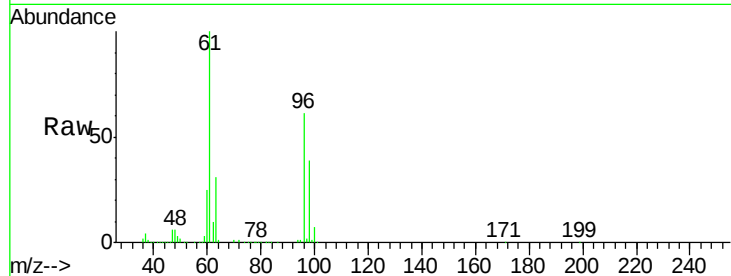
96 61.0 51.3 76.9

98 39.3 33.6 50.4

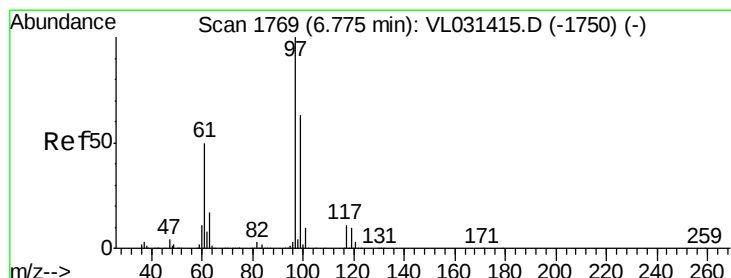
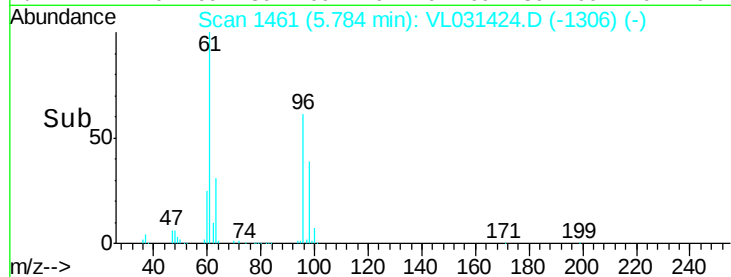
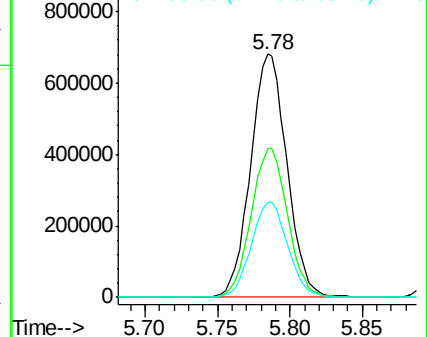
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.30 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

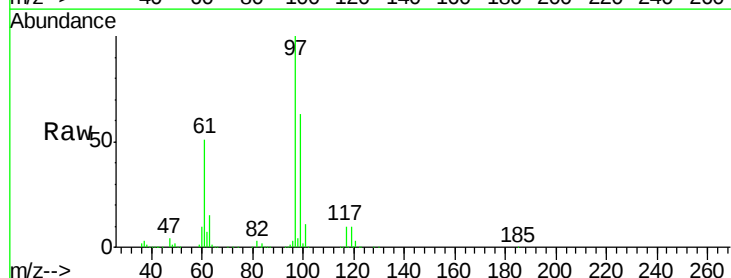
Tgt Ion: 97 Resp: 2090879

Ion Ratio Lower Upper

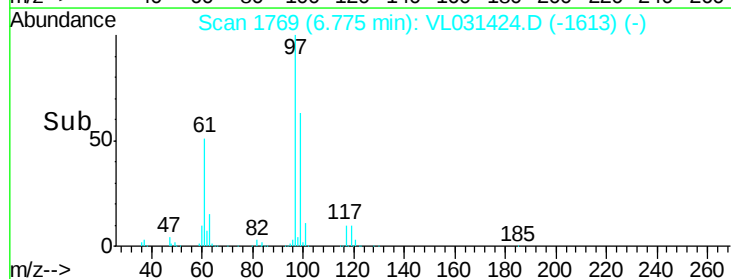
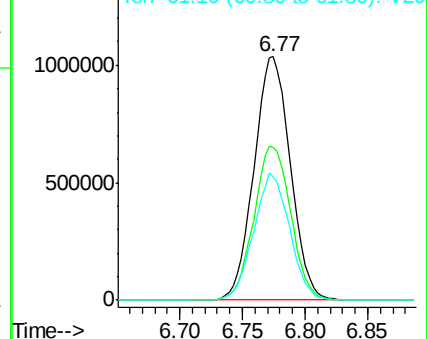
97 100

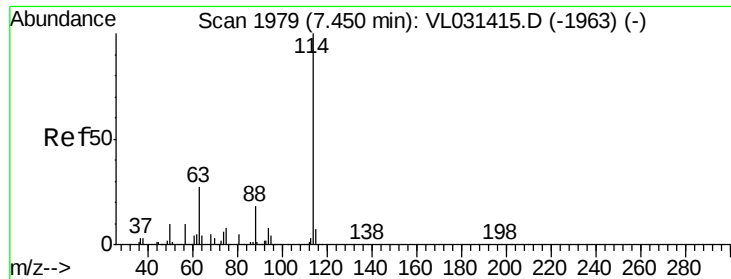
99 64.1 51.9 77.9

61 51.7 40.6 61.0



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





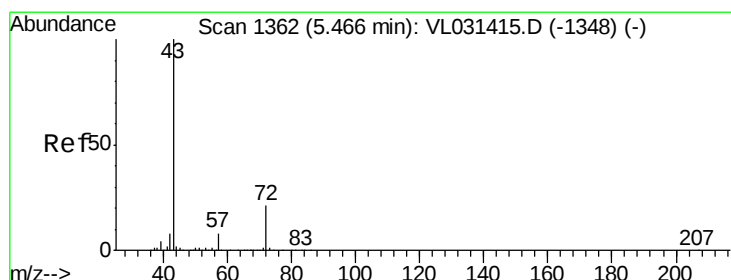
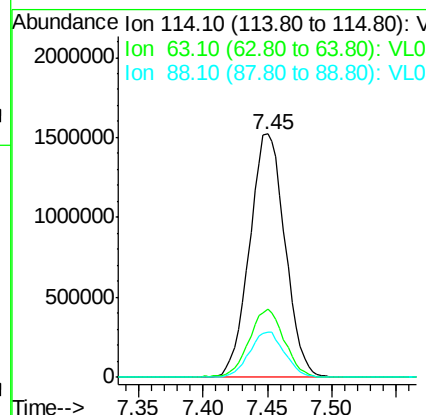
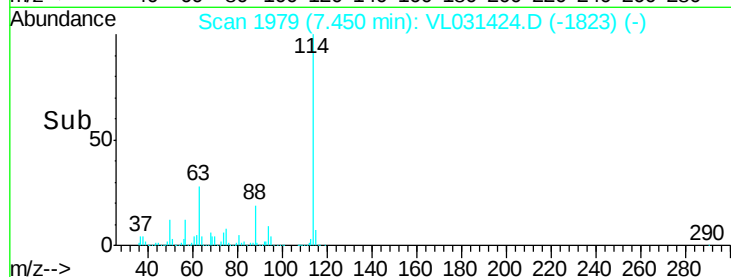
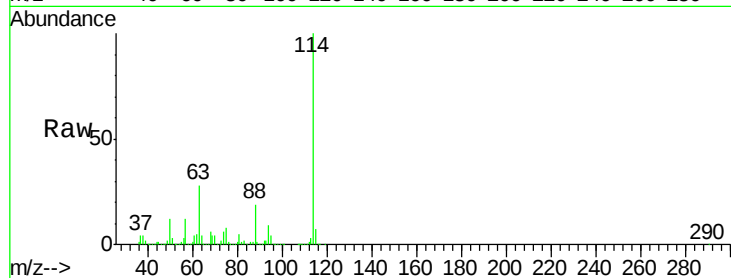
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.5	33.7
88	18.5	14.6	22.0

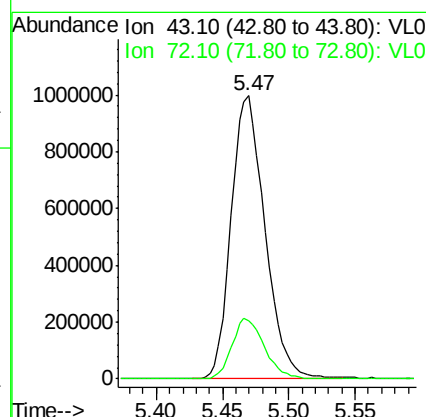
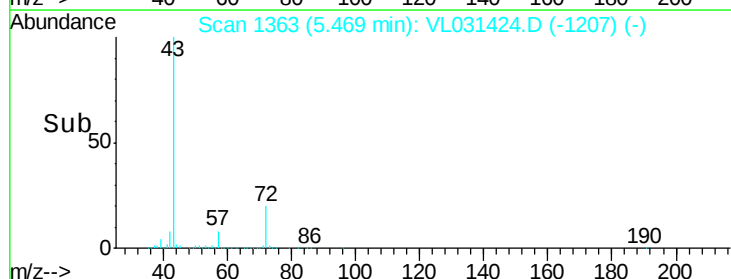
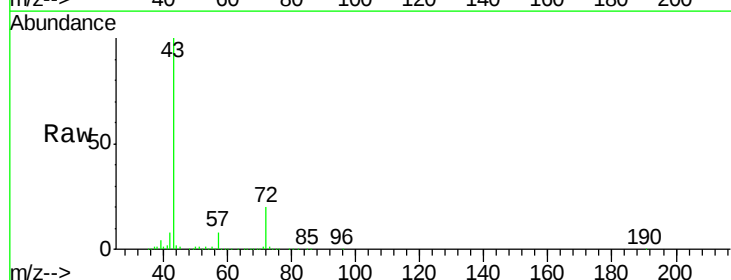
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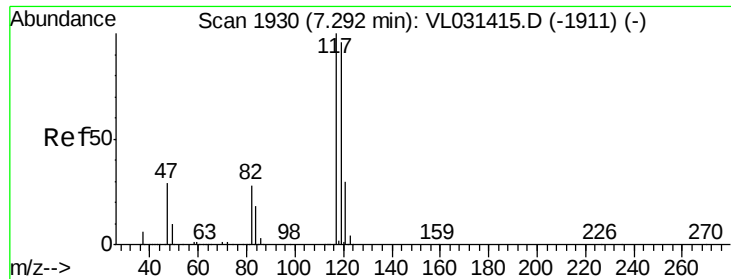
MMDadoda
 1/24/2018 5:10:17 PM



#34
 2-Butanone
 Concen: 9.52 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.8	25.2





#35

Carbon Tetrachloride

Concen: 9.54 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

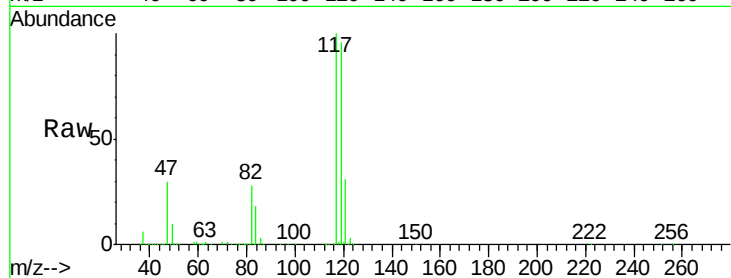
ClientSampleId :

VL0122ABS01

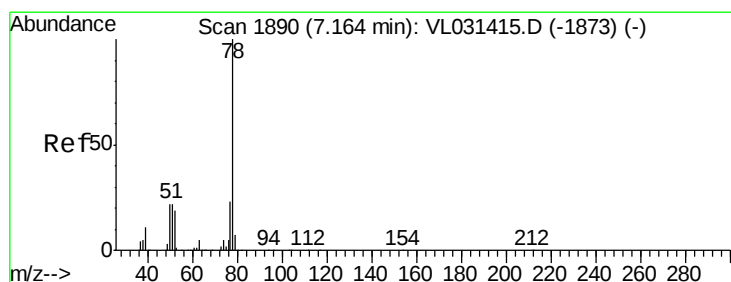
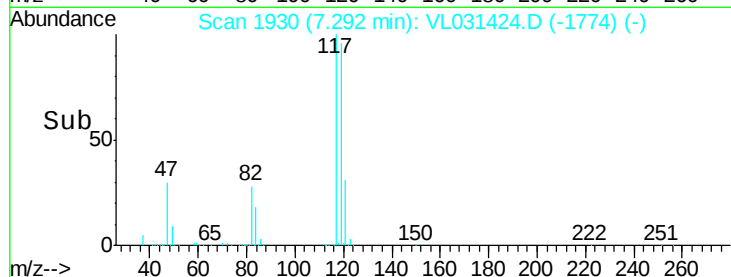
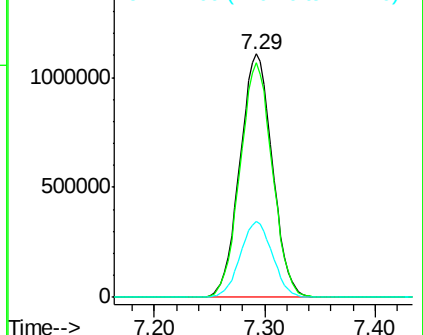
Tot Ion:	117	Resp:	2255364
Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.2	111.4
121	31.2	24.2	36.4

Manual Integrations
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1/24/2018 5:10:17 PM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.14 ppbv

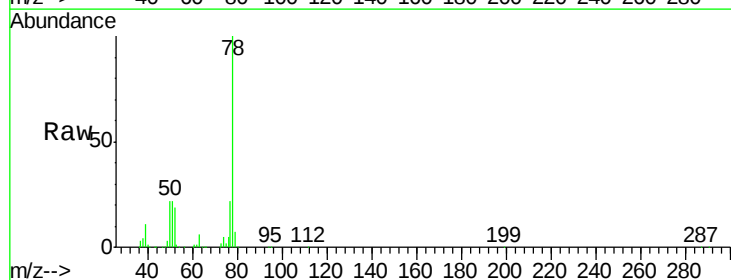
RT: 7.16 min Scan# 1889

Delta R.T. -0.00 min

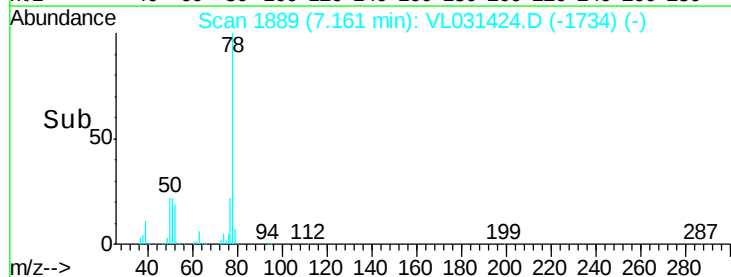
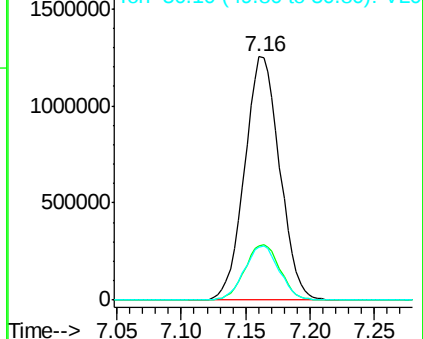
Lab File: VL031424.D

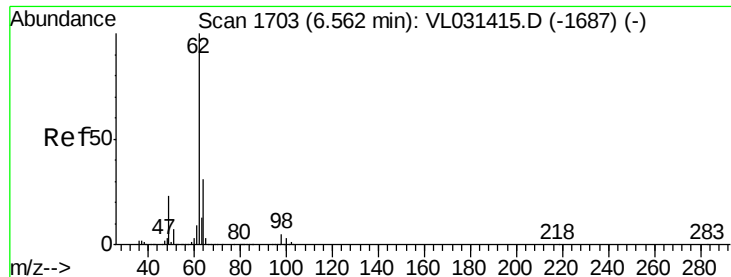
Acq: 22 Jan 2018 20:34

Tgt Ion:	78	Resp:	2373047
Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.7	28.1
50	21.7	18.4	27.6



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





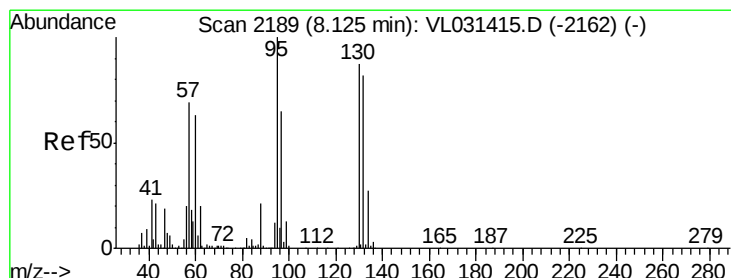
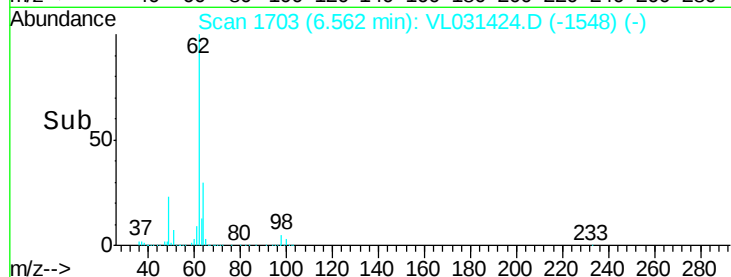
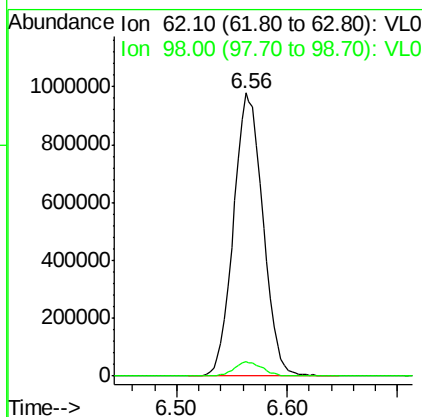
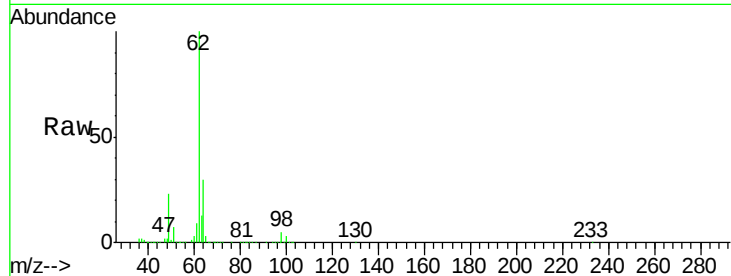
#37
 1,2-Dichloroethane
 Concen: 8.98 ppbv
 RT: 6.56 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion: 62 Resp: 1808883
 Ion Ratio Lower Upper
 62 100
 98 4.9 4.1 6.1

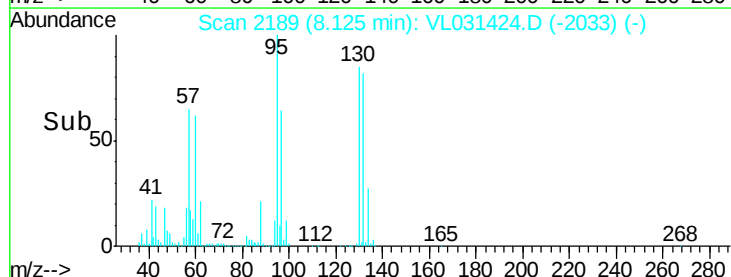
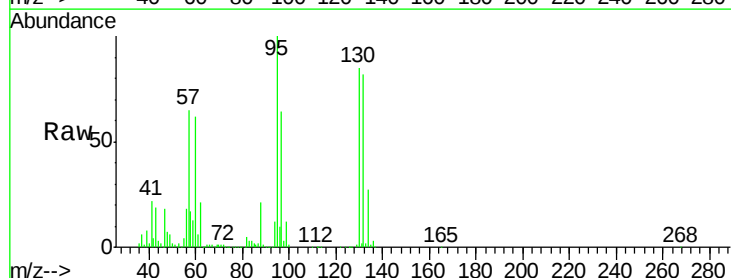
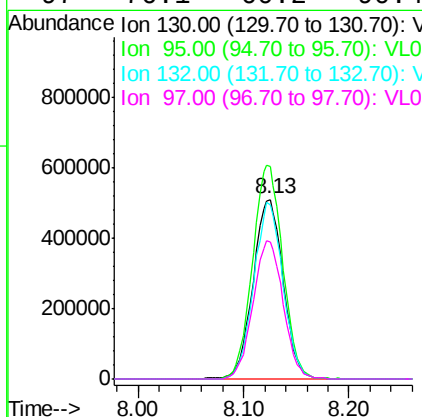
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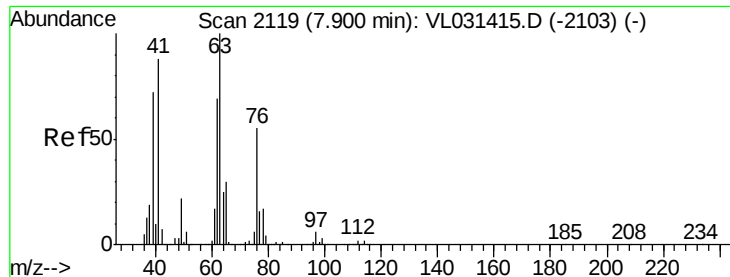
MMDadoda
 1/24/2018 5:10:17 PM



#38
 Trichloroethene
 Concen: 10.08 ppbv
 RT: 8.13 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 130 Resp: 1017480
 Ion Ratio Lower Upper
 130 100
 95 118.1 92.9 139.3
 132 97.0 74.9 112.3
 97 76.1 60.2 90.4





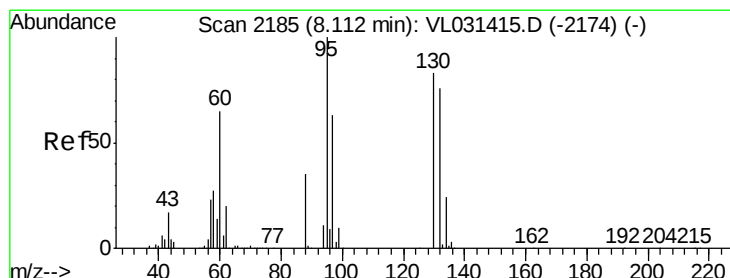
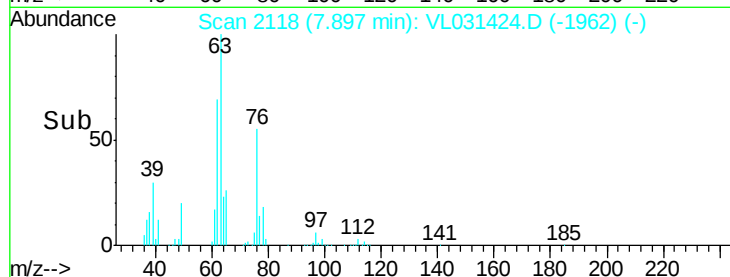
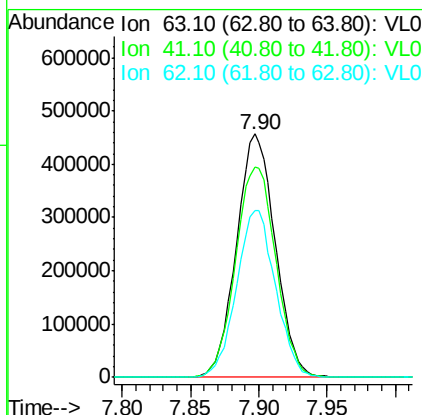
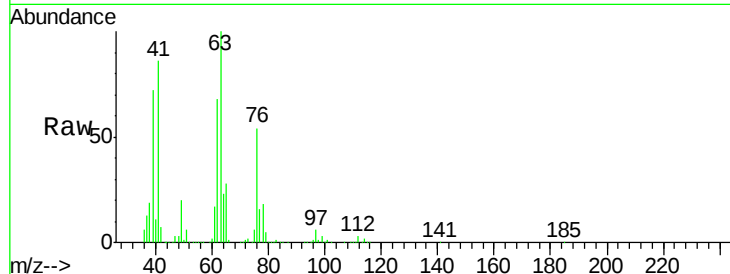
#39
 1,2-Dichloropropane
 Concen: 9.27 ppbv
 RT: 7.90 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	86.2	67.6	101.4
62	68.4	51.8	77.6

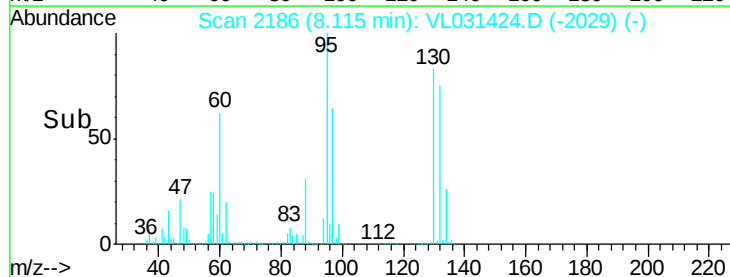
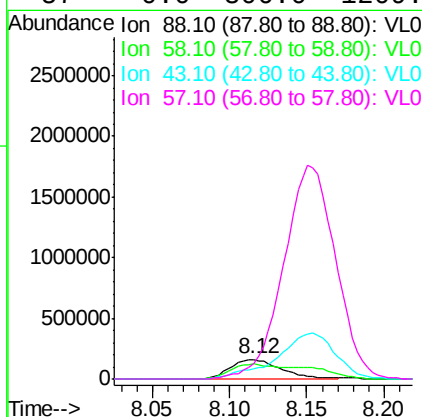
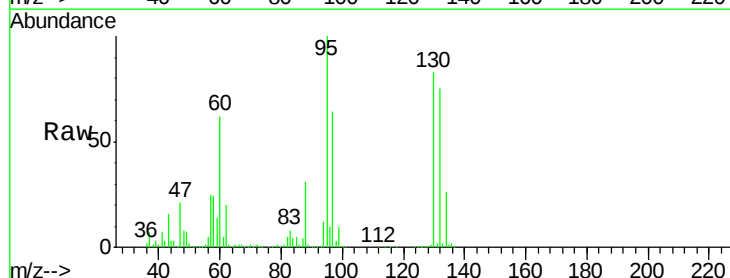
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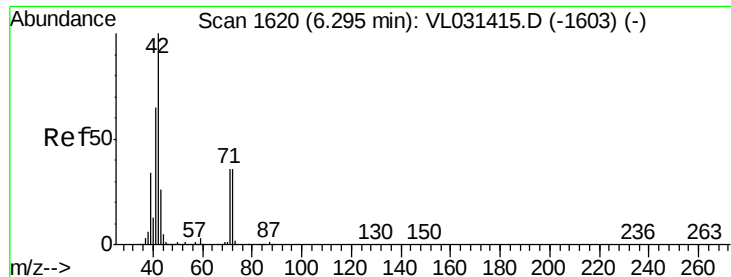
MMDadoda
 1/24/2018 5:10:17 PM



#40
 1,4-Dioxane
 Concen: 9.03 ppbv
 RT: 8.12 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.1	98.2	147.2
43	0.0	197.3	295.9#
57	0.0	806.0	1209.0#





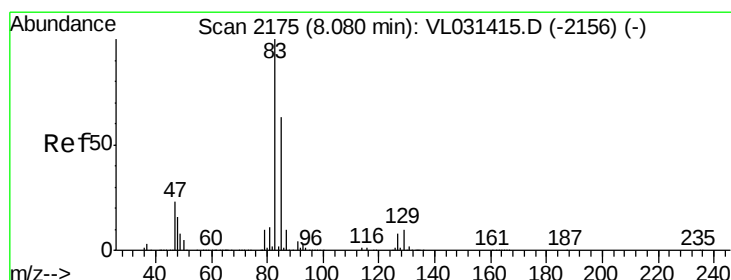
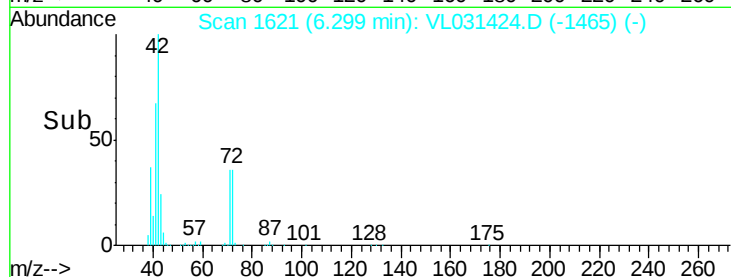
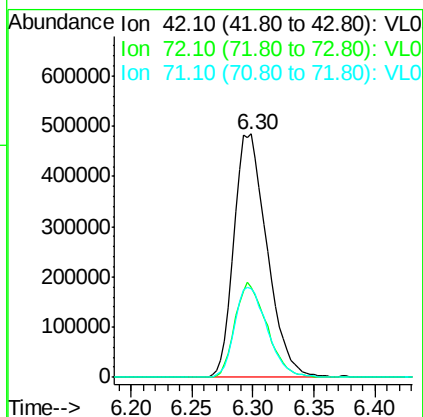
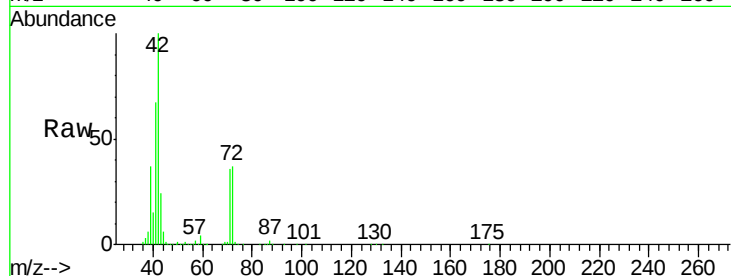
#41
Tetrahydrofuran
Concen: 8.97 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	36.7	29.2	43.8

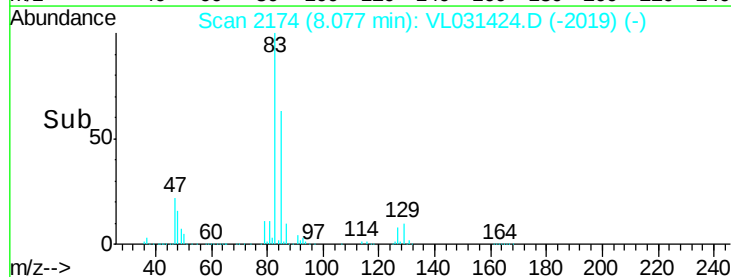
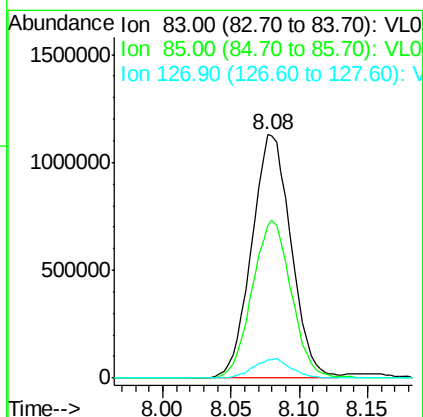
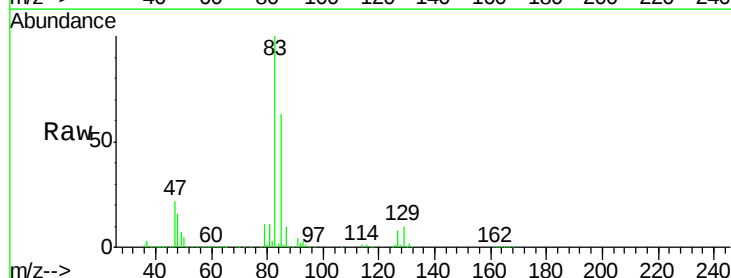
Manual Integrations
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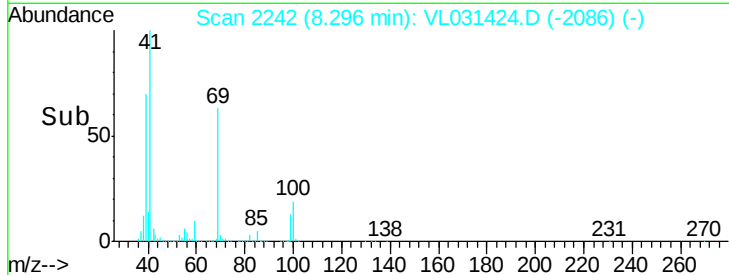
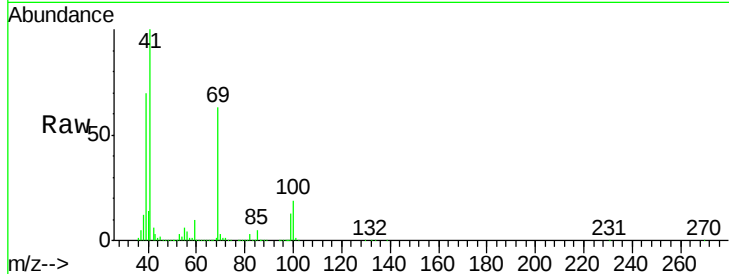
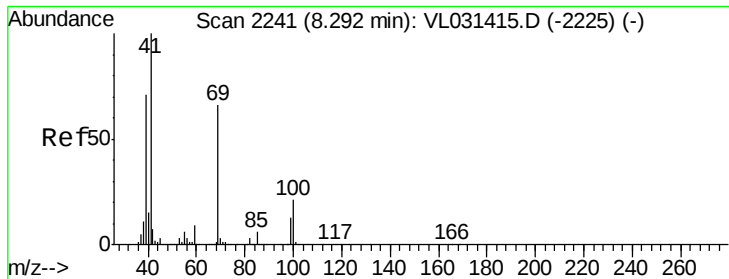
MMDadoda
1/24/2018 5:10:17 PM



#42
Bromodichloromethane
Concen: 9.37 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.1	78.1
127	7.7	6.6	10.0





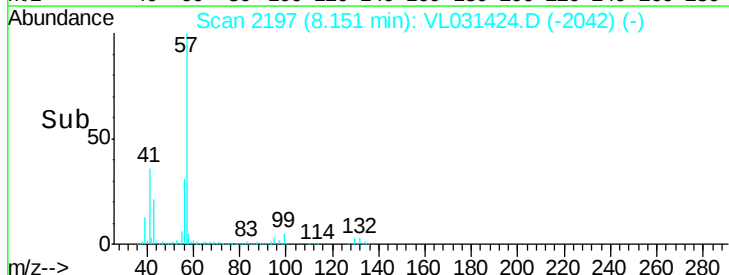
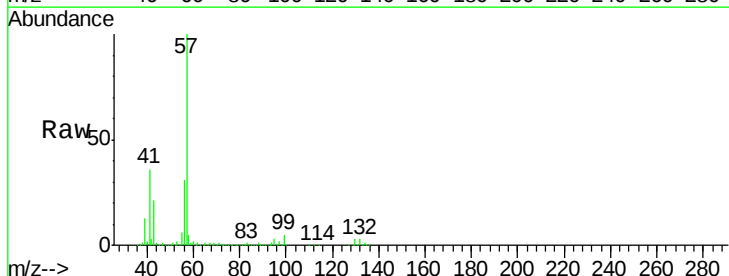
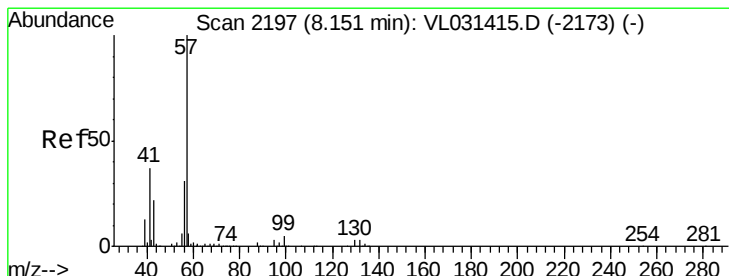
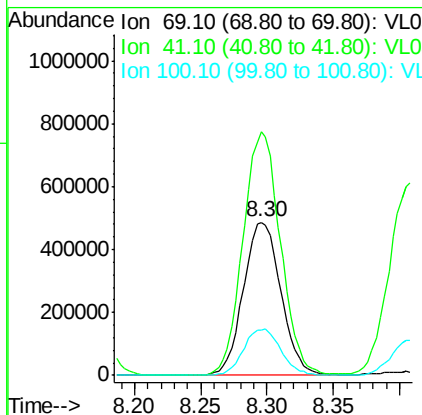
#43
Methvl Methacrilate
Concen: 10.11 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	158.2	127.0	190.6	
100	30.0	24.6	37.0	

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

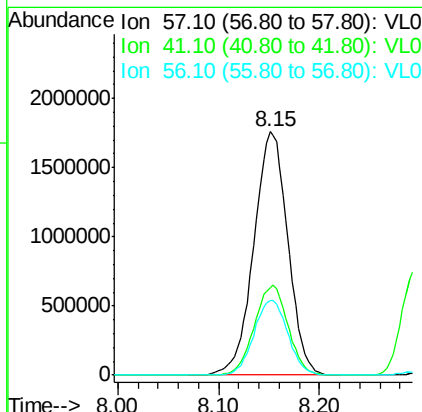
Manual Integrations
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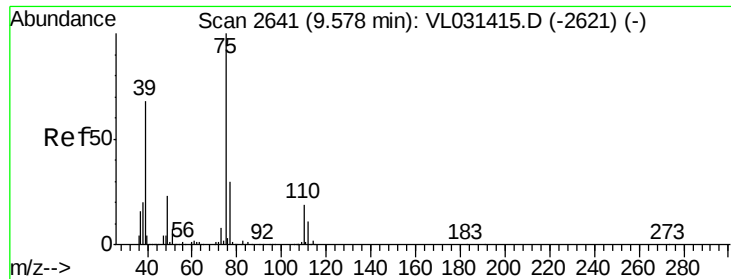
MMDadoda
1/24/2018 5:10:17 PM



#44
2,2,4-Trimethylpentane
Concen: 9.29 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.4	28.8	43.2	
56	30.5	24.6	37.0	





#45

t-1,3-Dichloropropene

Concen: 10.69 ppbv

RT: 9.58 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 75 Resp: 1454076

Ion Ratio Lower Upper

75 100

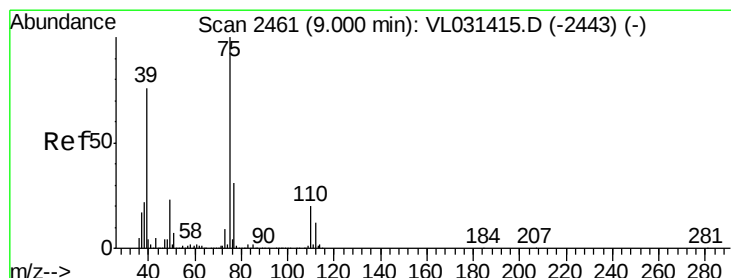
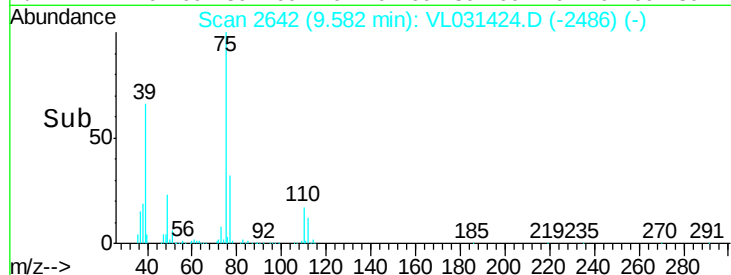
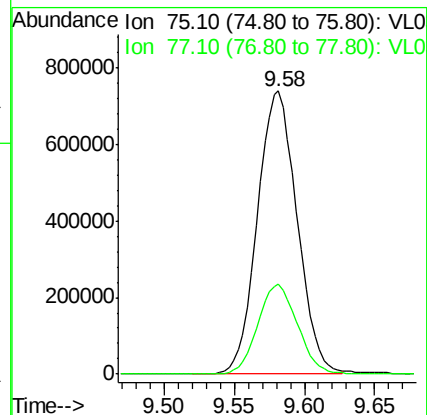
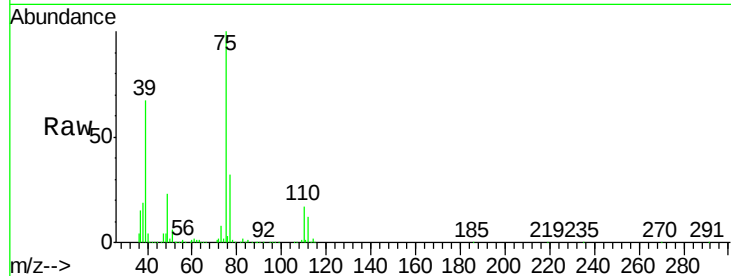
77 31.7 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 10.01 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

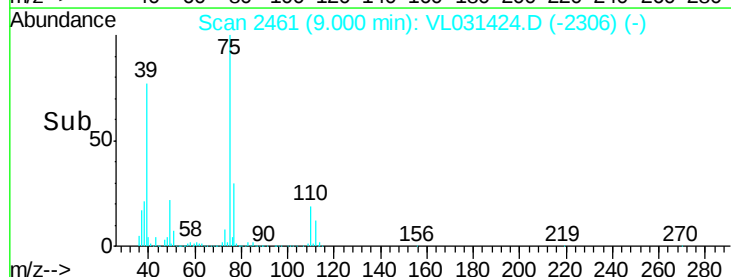
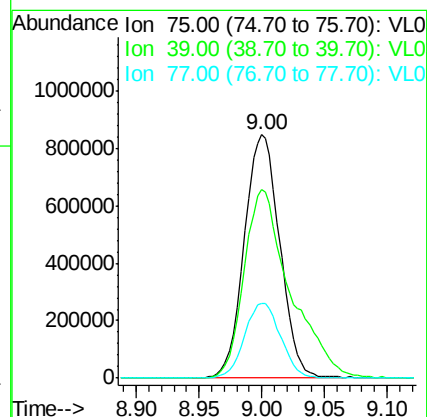
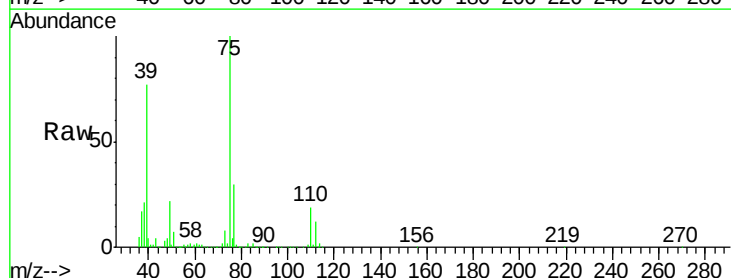
Tgt Ion: 75 Resp: 1670932

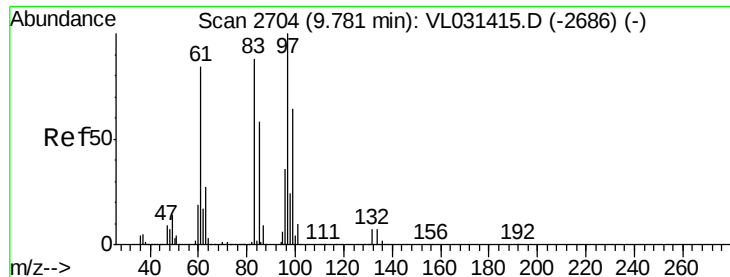
Ion Ratio Lower Upper

75 100

39 77.5 59.4 89.0

77 30.5 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.34 ppbv

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 97 Resp: 1070598

Ion Ratio Lower Upper

97 100

83 92.1 71.4 107.2

85 58.4 46.2 69.2

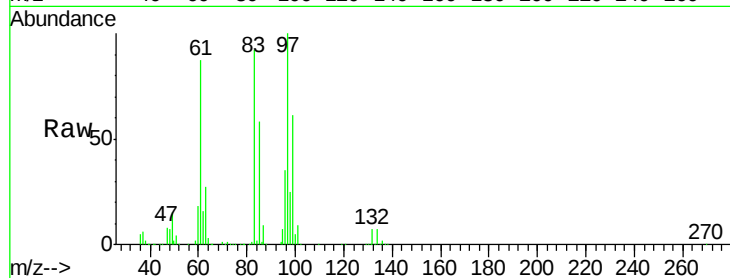
99 61.1 52.2 78.2

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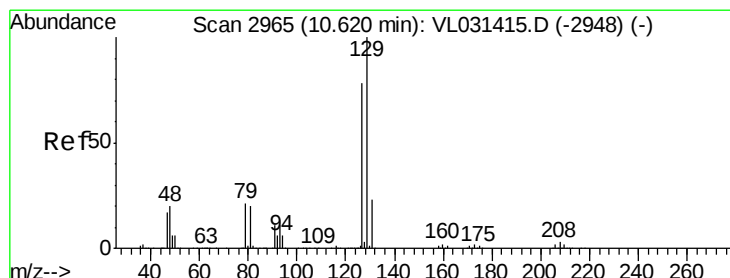
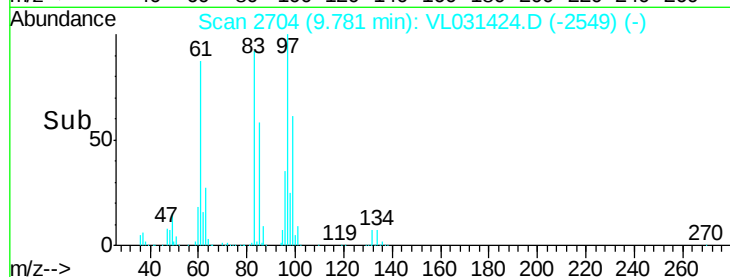
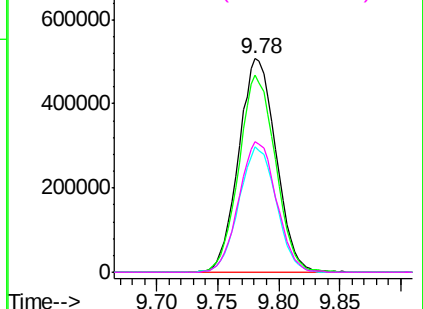


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.63 ppbv

RT: 10.62 min Scan# 2965

Delta R.T. -0.00 min

Lab File: VL031424.D

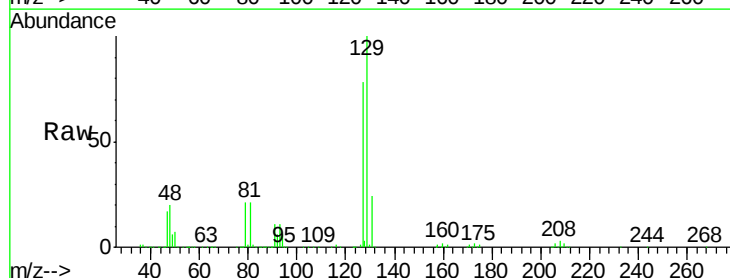
Acq: 22 Jan 2018 20:34

Tgt Ion: 129 Resp: 1964437

Ion Ratio Lower Upper

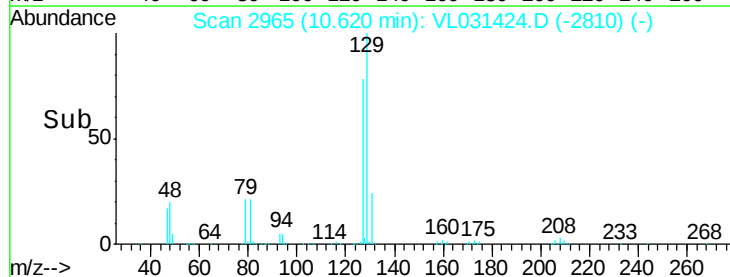
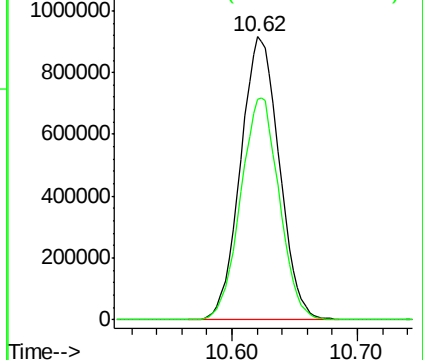
129 100

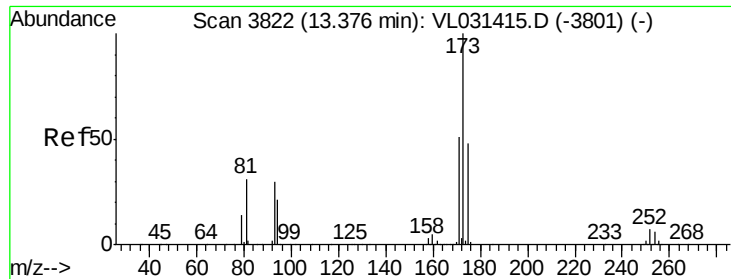
127 78.4 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.99 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion:173 Resp: 1551063

Ion Ratio Lower Upper

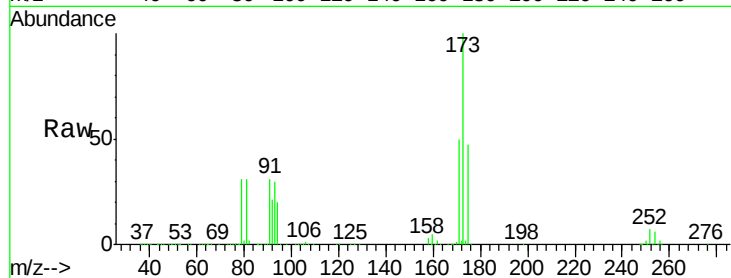
173 100

175 48.3 39.0 58.4

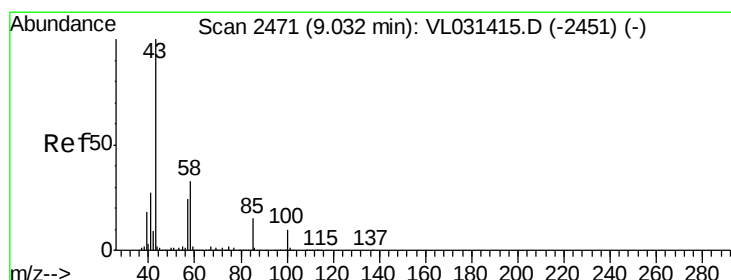
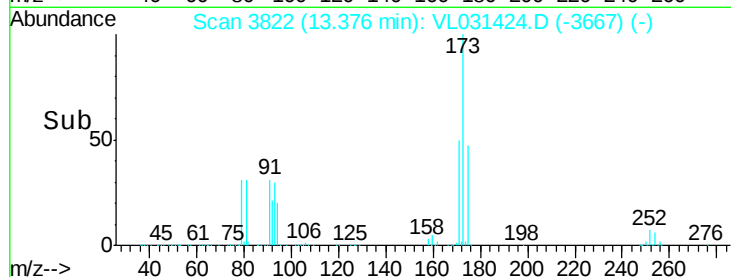
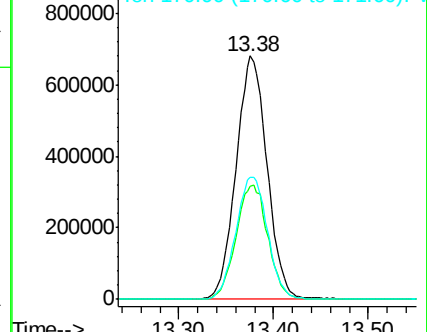
171 51.7 42.0 63.0

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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: 9.27 ppbv

RT: 9.03 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VL031424.D

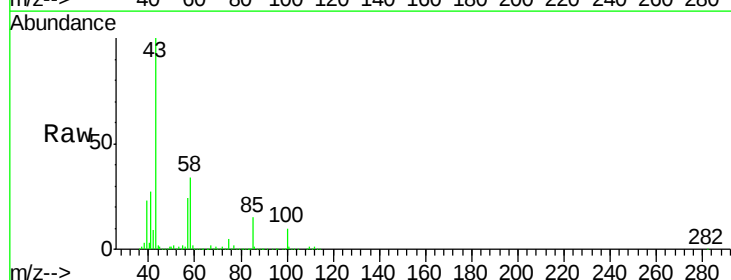
Acq: 22 Jan 2018 20:34

Tgt Ion: 43 Resp: 2304265

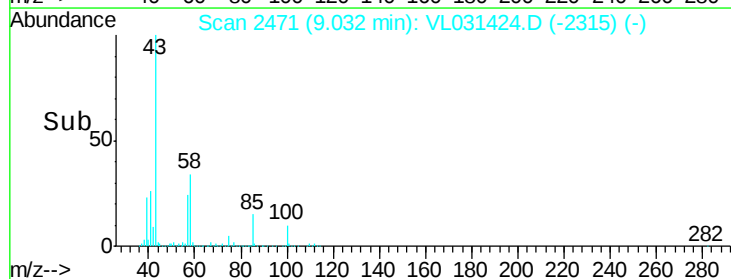
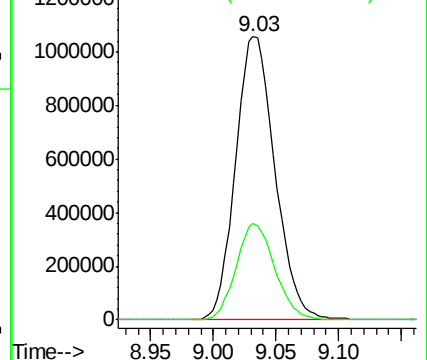
Ion Ratio Lower Upper

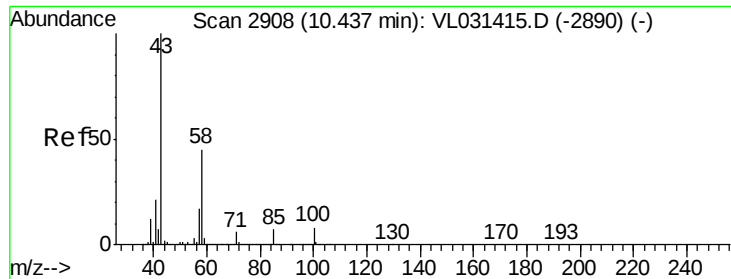
43 100

58 33.6 27.1 40.7



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





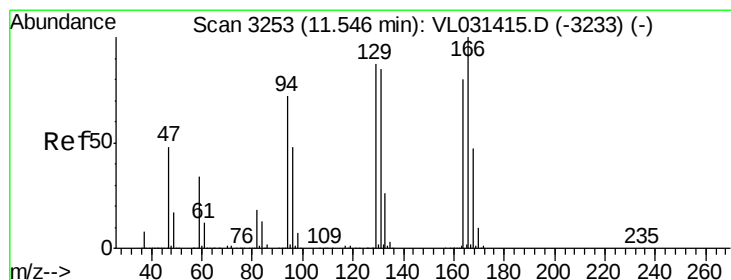
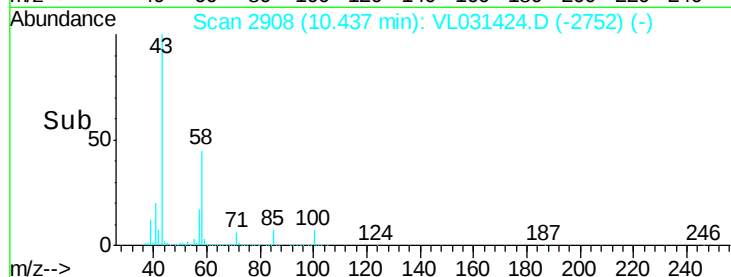
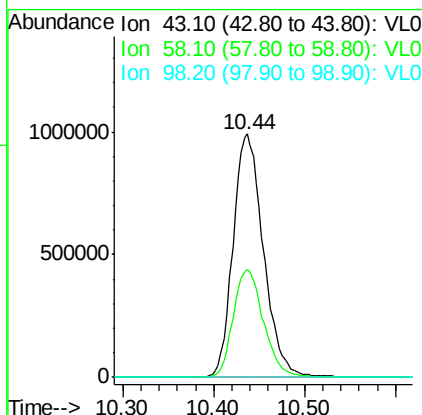
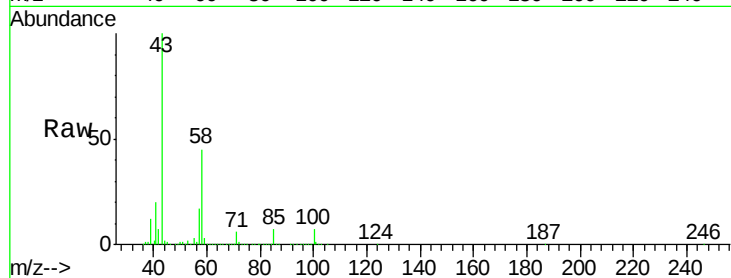
#51
2-Hexanone
Concen: 9.65 ppbv
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampled :
VL0122ABS01

Tot Ion: 43 Resp: 2288308
Ion Ratio Lower Upper
43 100
58 44.5 36.2 54.4
98 0.2 0.1 0.1#

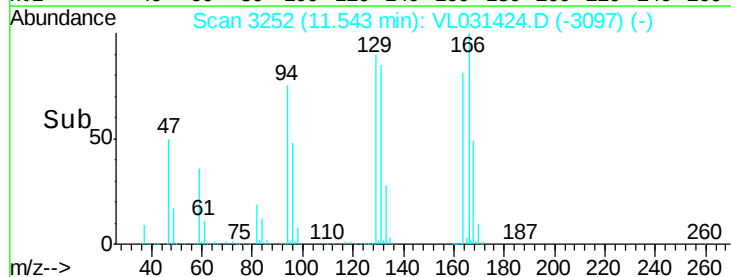
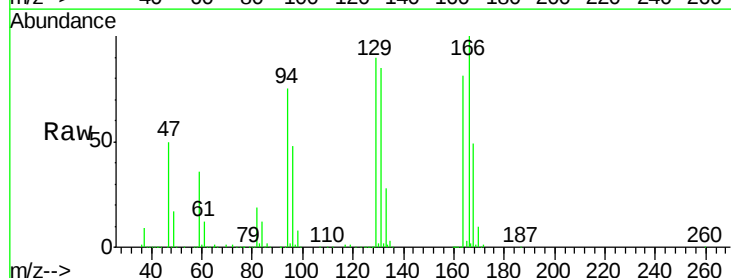
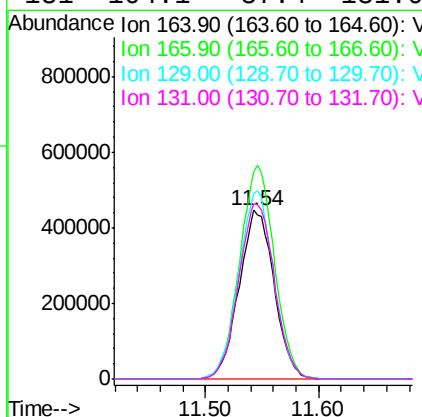
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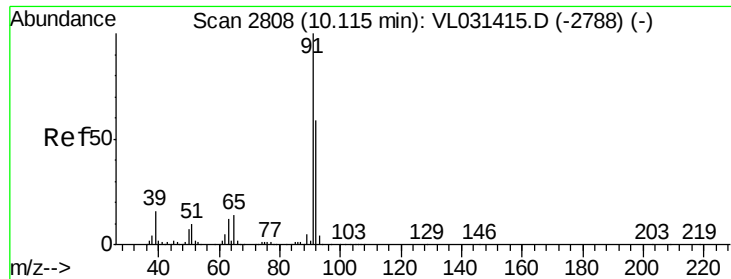
MMDadoda
1/24/2018 5:10:17 PM



#52
Tetrachloroethene
Concen: 9.87 ppbv
RT: 11.54 min Scan# 3252
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 164 Resp: 962449
Ion Ratio Lower Upper
164 100
166 122.8 100.2 150.2
129 110.2 91.4 137.0
131 104.1 87.4 131.0





#53

Toluene

Concen: 9.91 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 91 Resp: 3036307

Ion Ratio Lower Upper

91 100

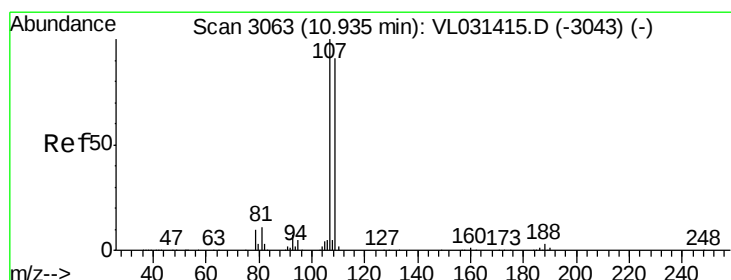
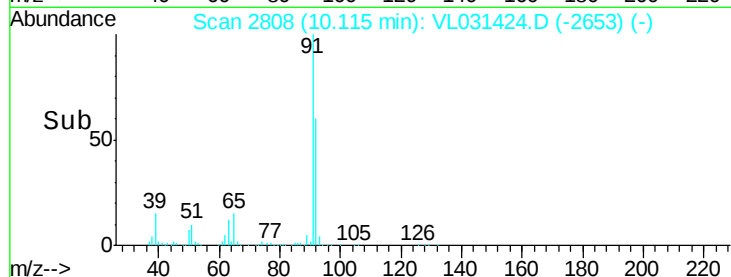
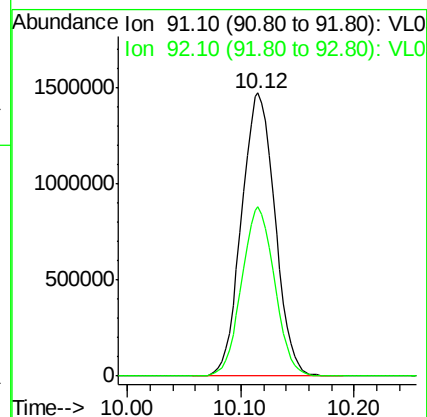
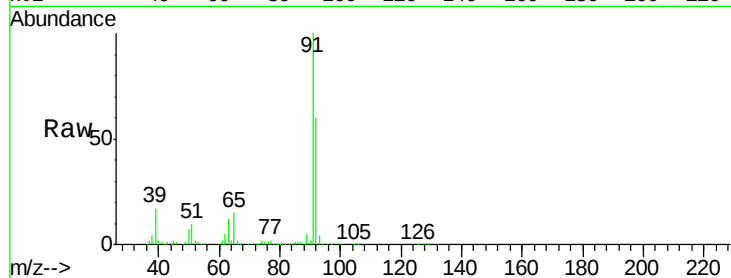
92 58.9 47.8 71.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.59 ppbv

RT: 10.93 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VL031424.D

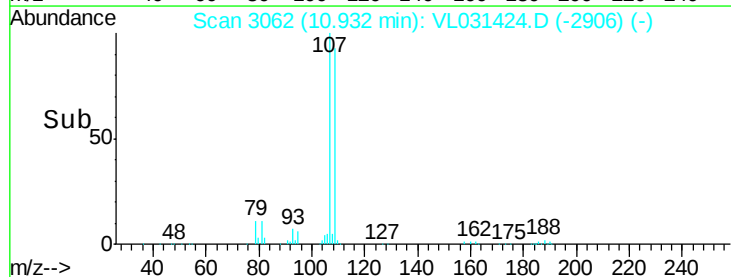
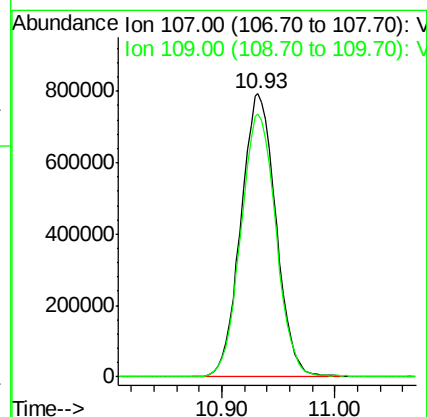
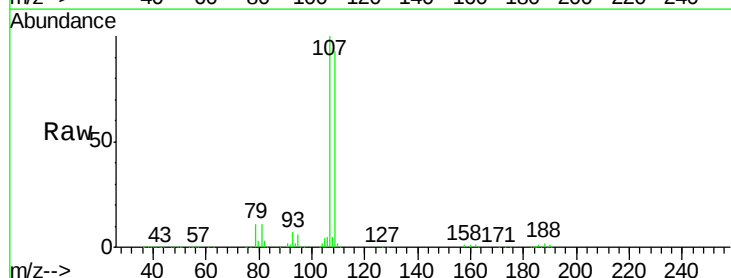
Acq: 22 Jan 2018 20:34

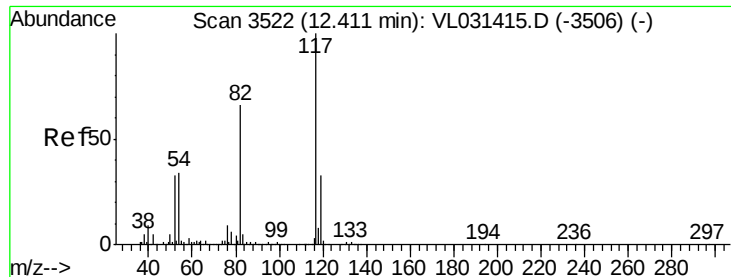
Tgt Ion: 107 Resp: 1709858

Ion Ratio Lower Upper

107 100

109 92.8 75.5 113.3





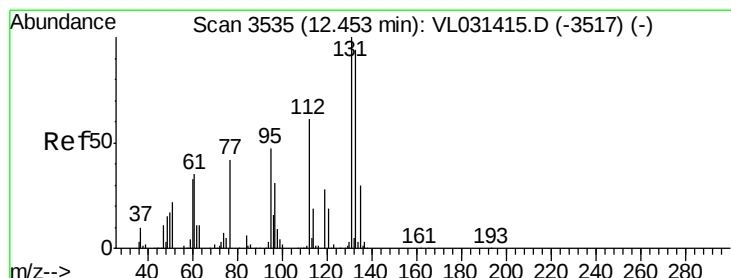
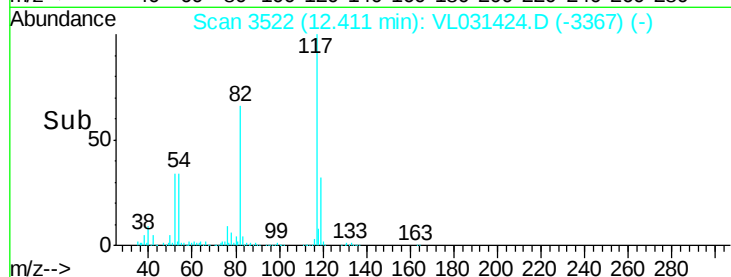
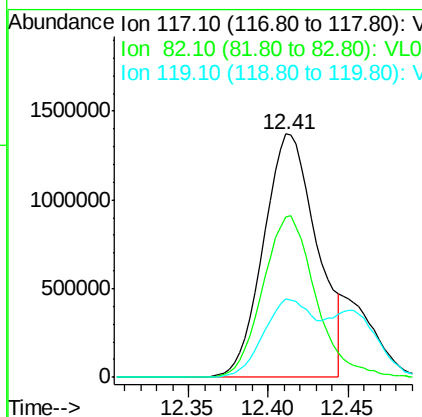
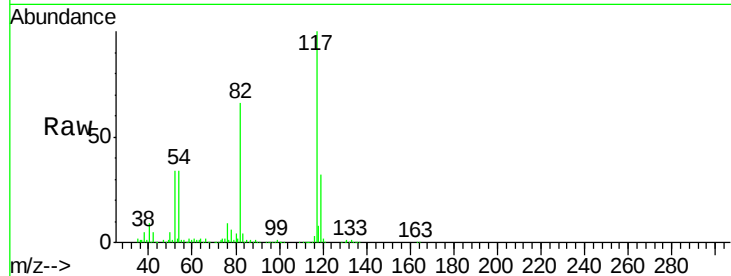
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion:117 Resp: 3160028
Ion Ratio Lower Upper
117 100
82 66.4 51.8 77.6
119 56.1 24.2 36.2#

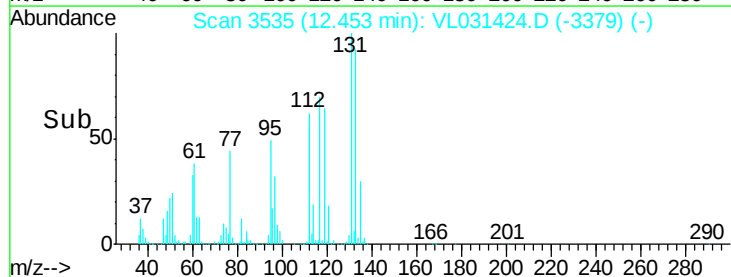
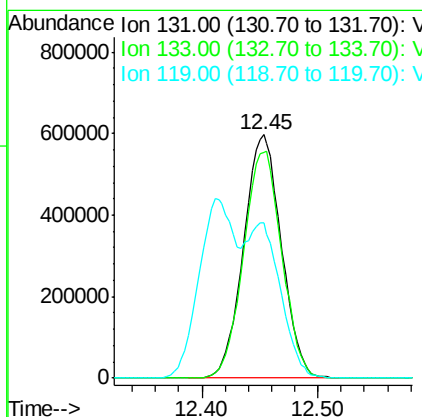
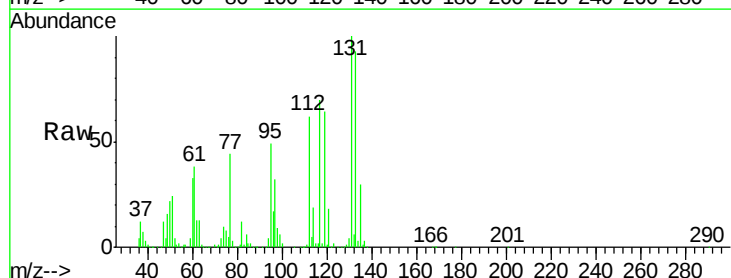
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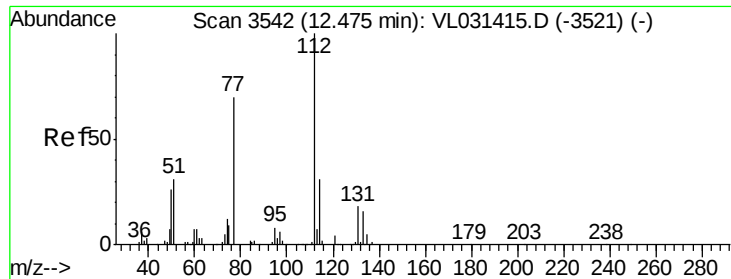
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.99 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion:131 Resp: 1348716
Ion Ratio Lower Upper
131 100
133 94.8 76.9 115.3
119 58.4 47.7 71.5





#57

Chlorobenzene

Concen: 8.84 ppbv

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 112 Resp: 2416666

Ion Ratio Lower Upper

112 100

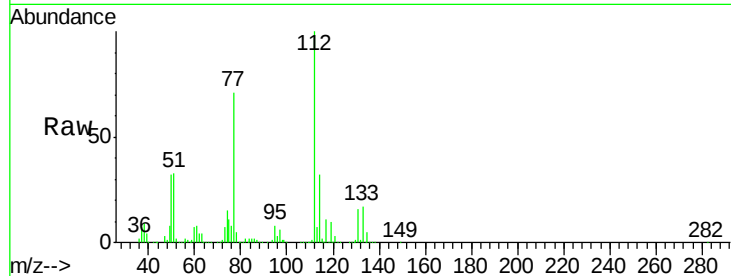
77 70.4 56.0 84.0

114 32.3 29.1 35.5

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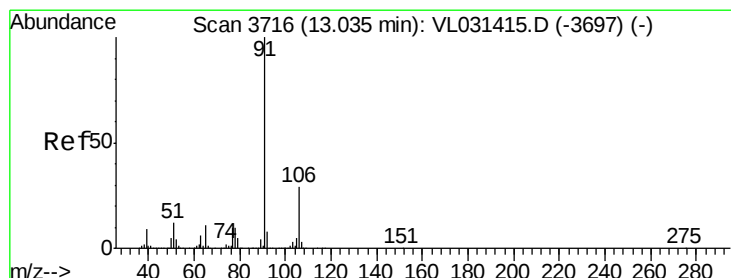
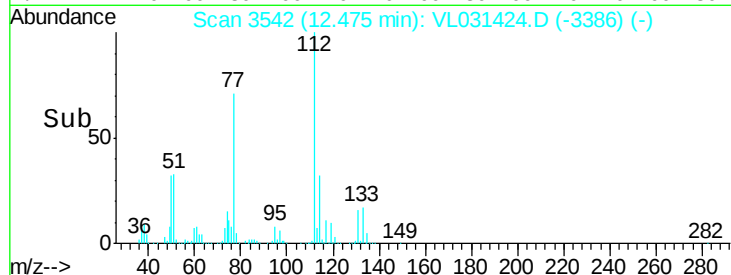
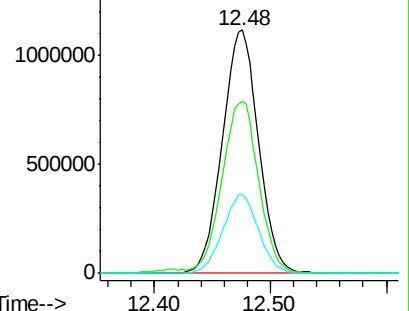
1/24/2018 5:10:17 PM



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: 9.39 ppbv

RT: 13.03 min Scan# 3716

Delta R.T. -0.00 min

Lab File: VL031424.D

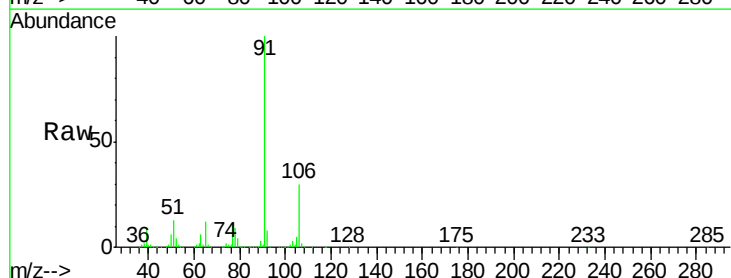
Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 4345672

Ion Ratio Lower Upper

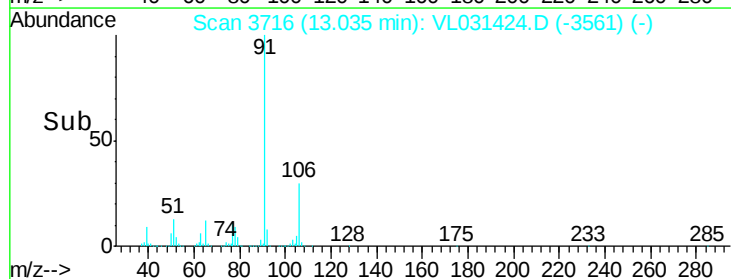
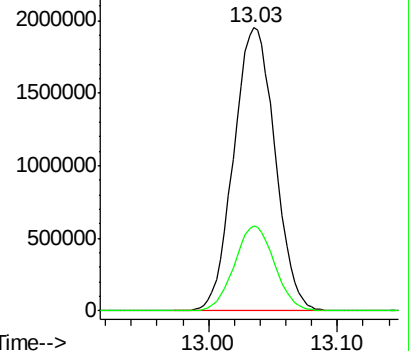
91 100

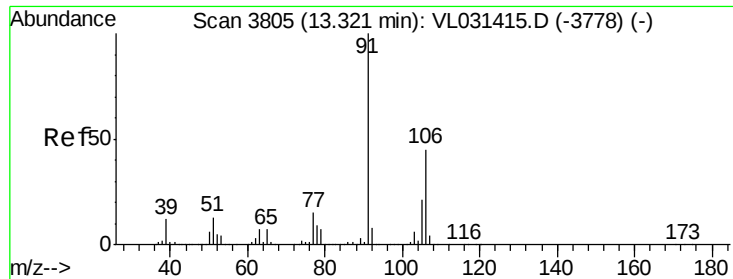
106 29.8 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





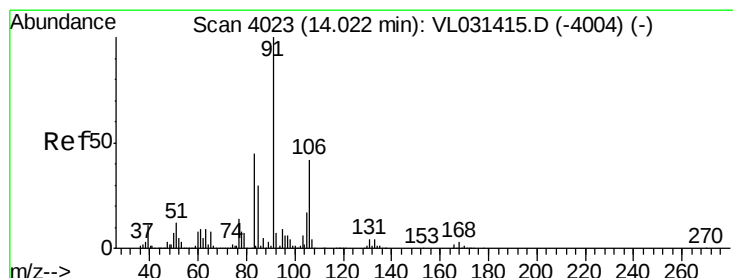
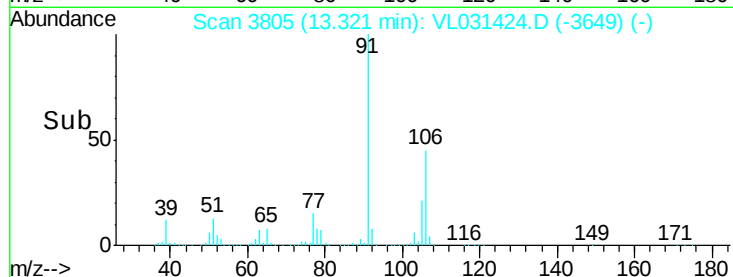
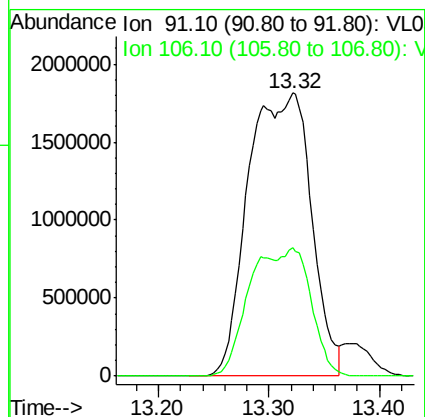
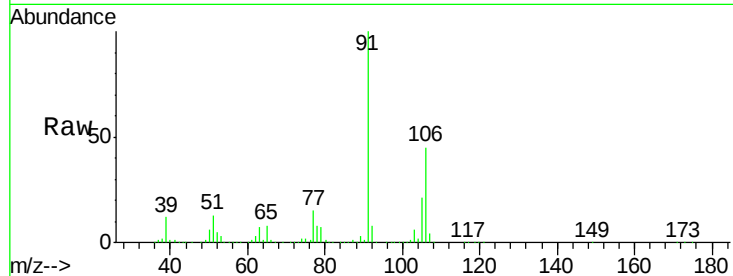
#59
m/p-Xylene
Concen: 18.08 ppbv m
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion: 91 Resp: 7163709
Ion Ratio Lower Upper
91 100
106 44.1 35.6 53.4

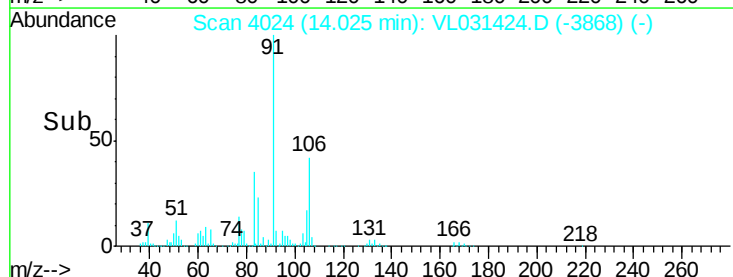
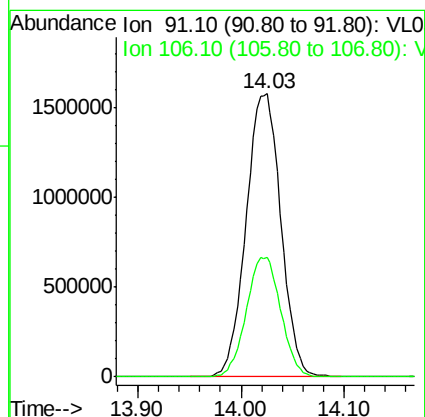
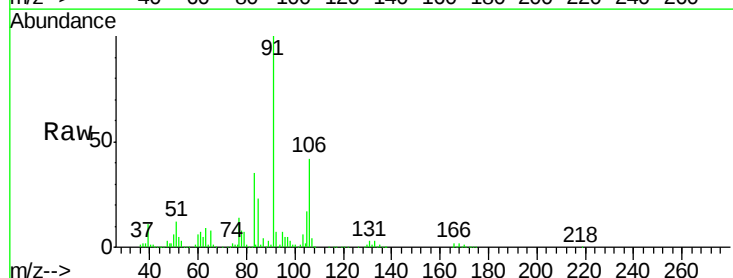
Manual Integrations
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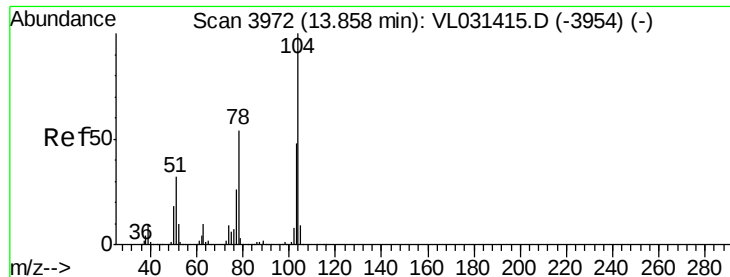
MMDadoda
1/24/2018 5:10:17 PM



#60
o-Xylene
Concen: 9.27 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 3676512
Ion Ratio Lower Upper
91 100
106 42.0 21.3 64.0





#61

Stvrene

Concen: 10.07 ppbv

RT: 13.85 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

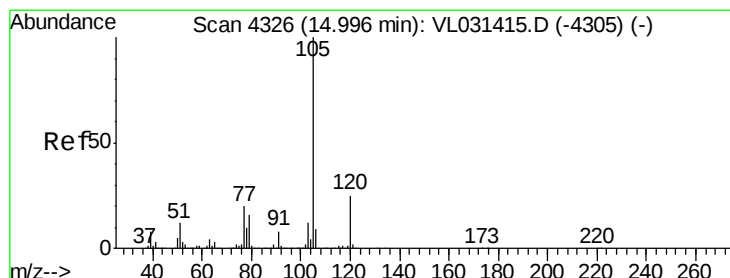
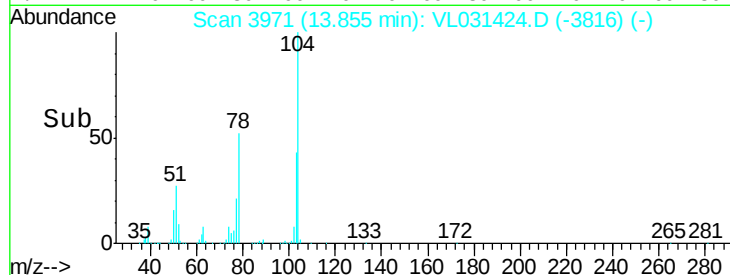
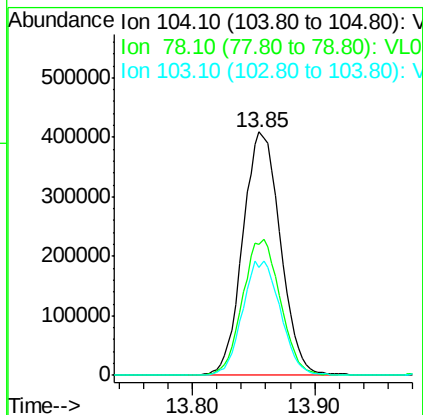
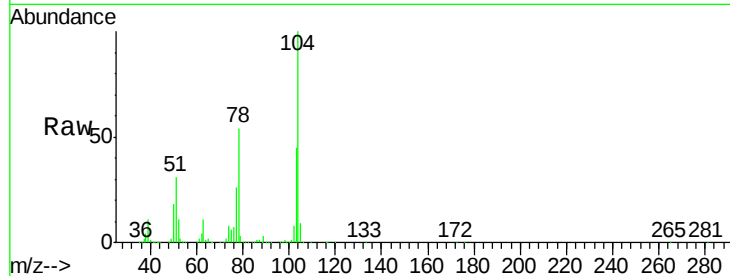
ClientSampleId :

VL0122ABS01

Tot Ion:	104	Resp:	867642
Ion Ratio	Lower	Upper	
104	100		
78	56.4	45.4	68.0
103	47.6	38.6	57.8

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1/24/2018 5:10:17 PM



#62

Isopropylbenzene

Concen: 9.09 ppbv

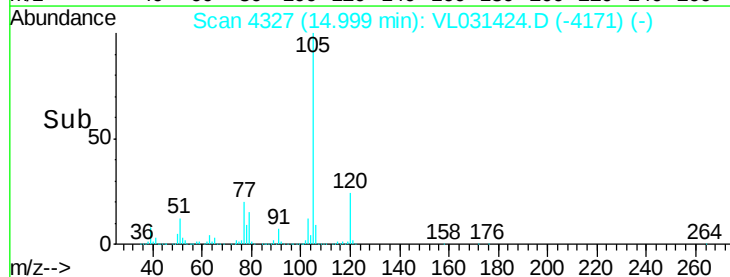
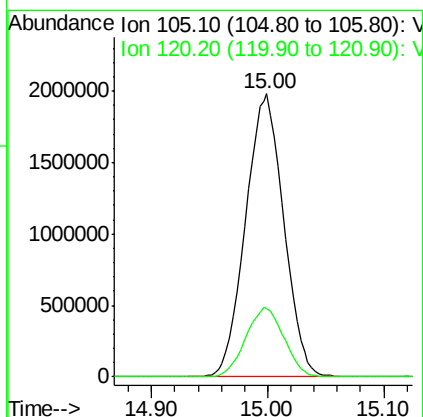
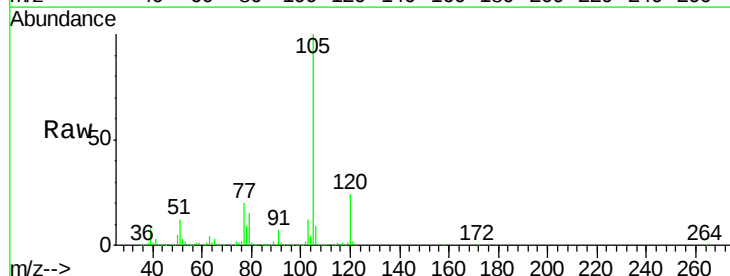
RT: 15.00 min Scan# 4327

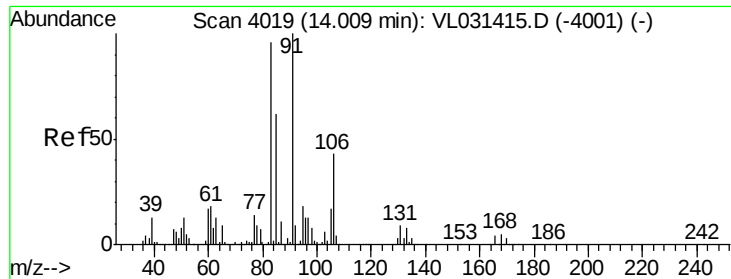
Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion:	105	Resp:	4520759
Ion Ratio	Lower	Upper	
105	100		
120	24.7	19.9	29.9





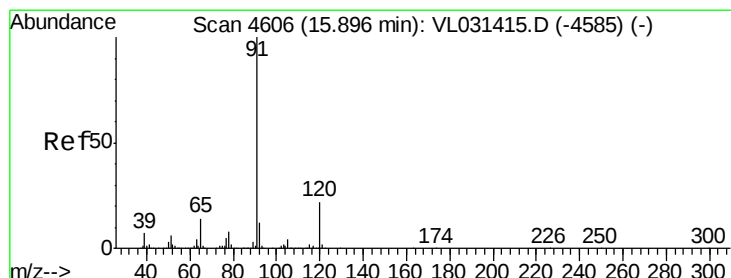
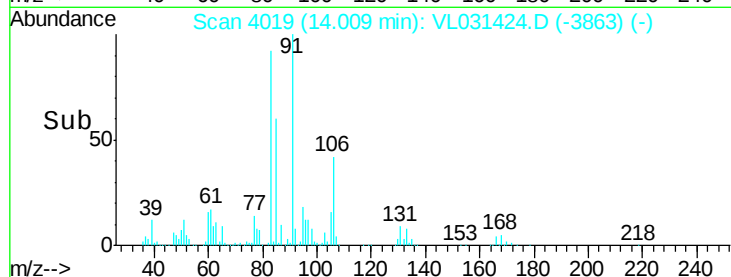
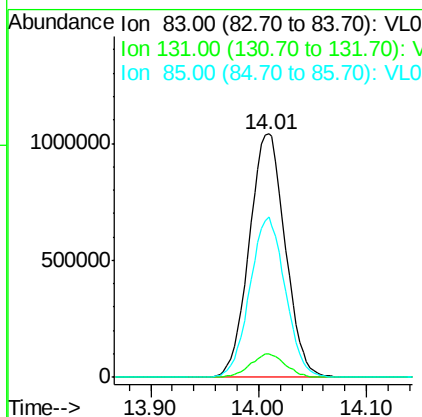
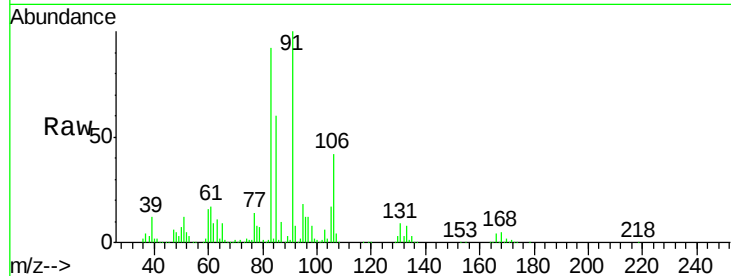
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.83 ppbv
 RT: 14.01 min Scan# 4019
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion	83	Resp	2409916
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.9	32.4	97.0

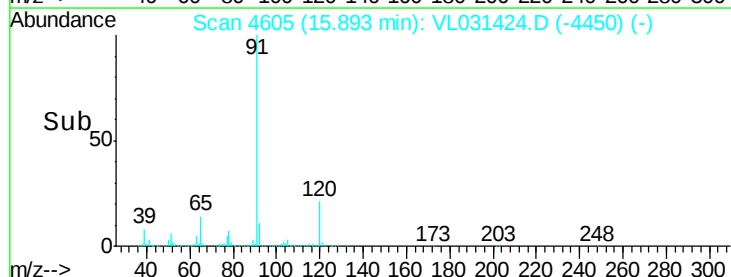
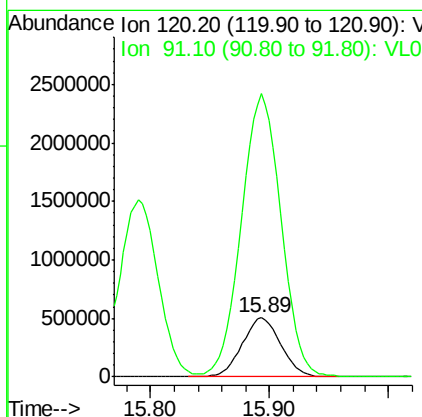
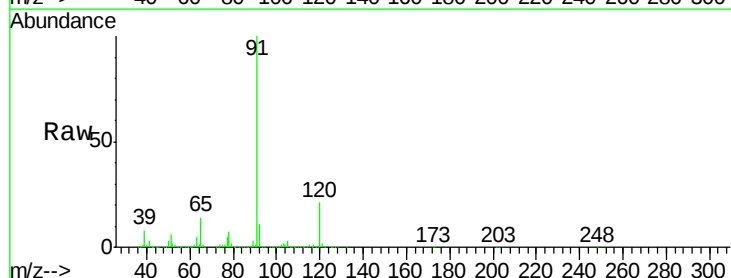
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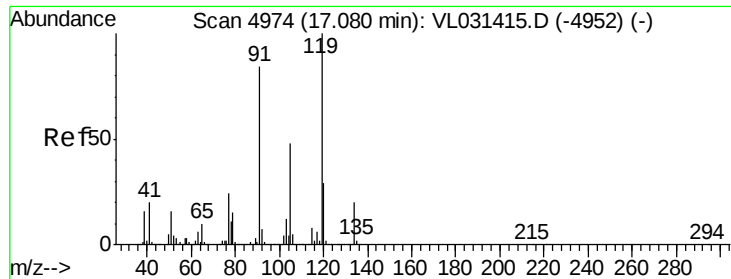
MMDadoda
 1/24/2018 5:10:17 PM



#64
 n-propylbenzene
 Concen: 9.18 ppbv
 RT: 15.89 min Scan# 4605
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion	120	Resp	1132343
Ion Ratio	100	Lower	Upper
120	100		
91	493.2	389.8	584.6





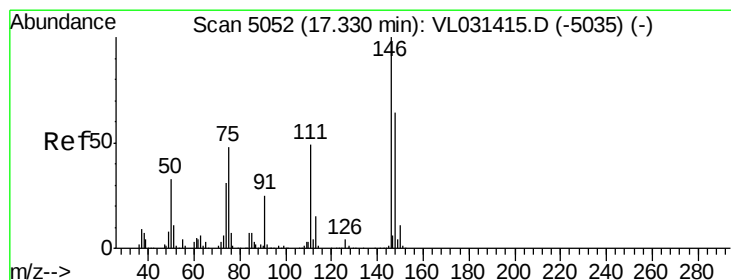
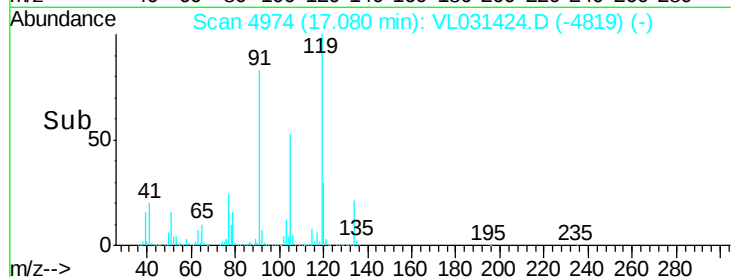
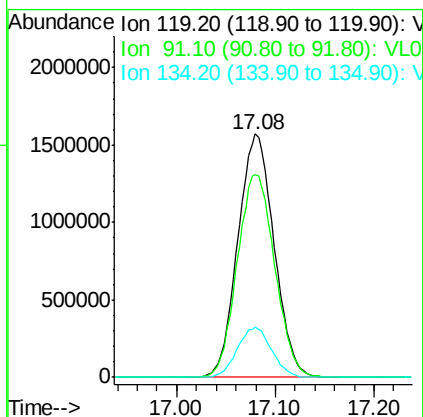
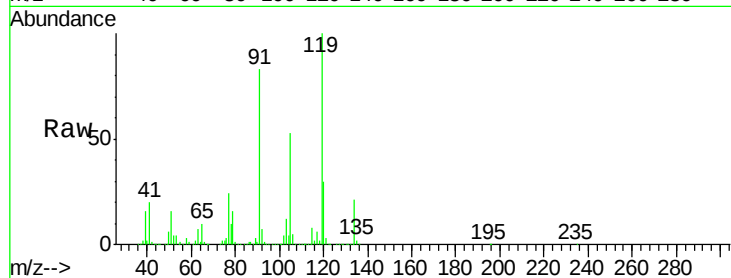
#65
tert-Butylbenzene
Concen: 9.08 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.7	69.0	103.6
134	19.5	15.7	23.5

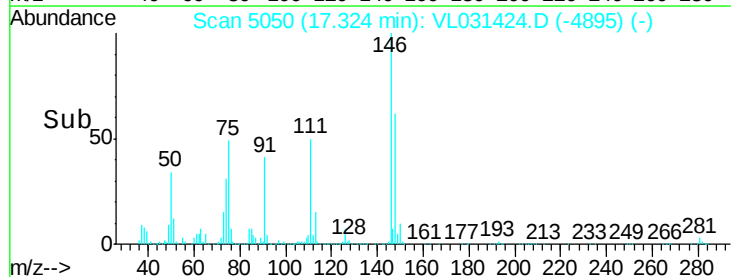
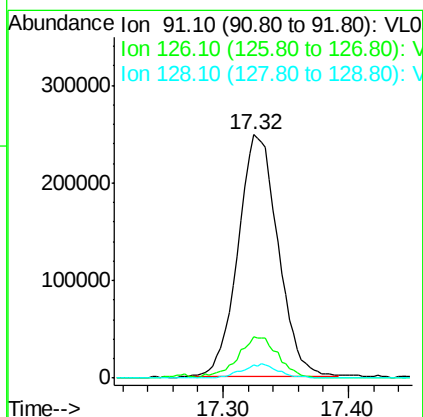
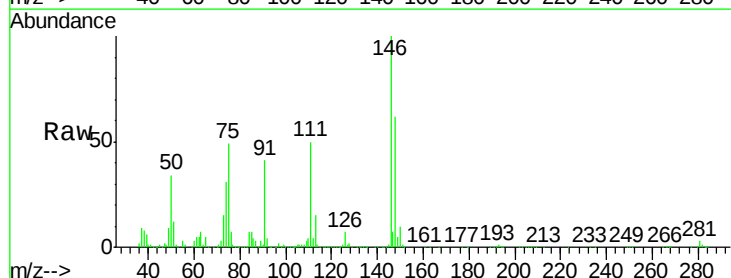
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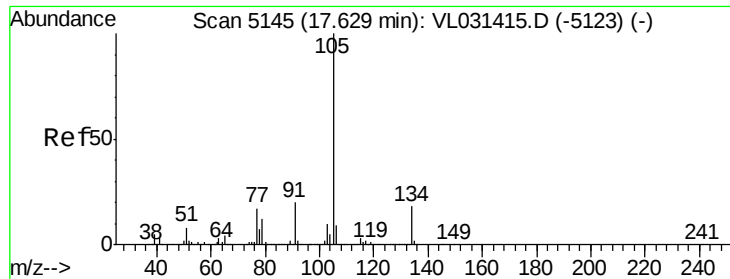
MMDadoda
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#66
Benzyl Chloride
Concen: 12.61 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.3	13.8	20.8
128	5.4	4.6	6.8





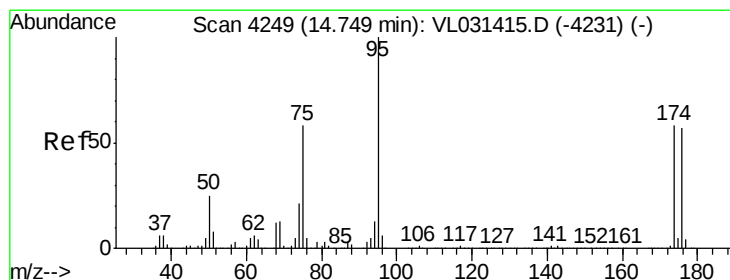
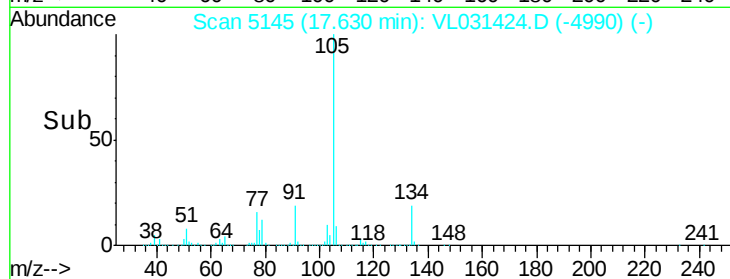
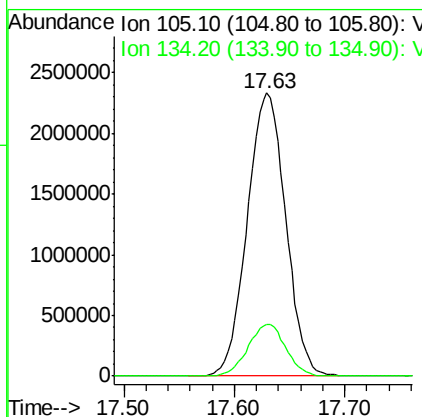
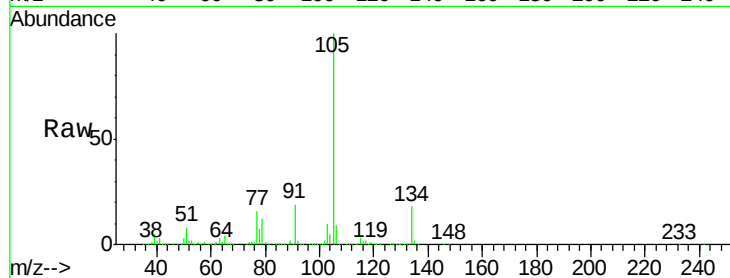
#67
 sec-Butylbenzene
 Concen: 9.20 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. -0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0122ABS01

Tot Ion: 105 Resp: 5642466
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.5 21.7

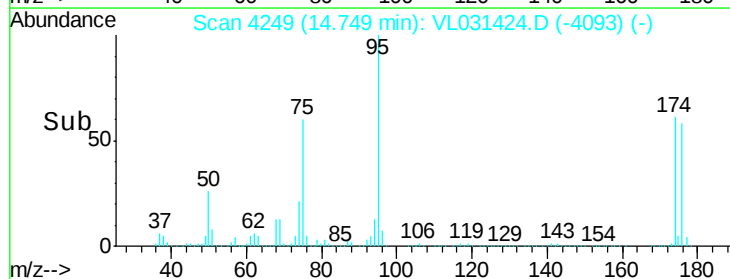
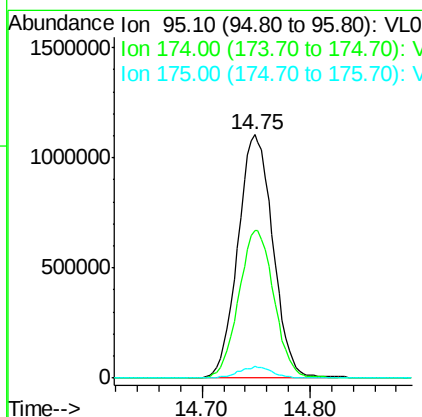
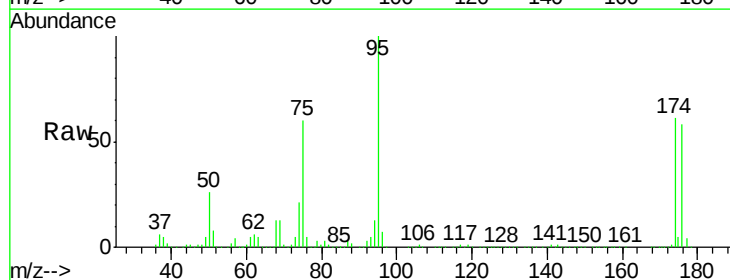
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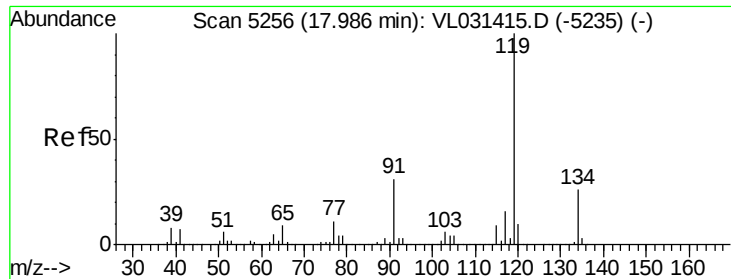
MMDadoda
 1/24/2018 5:10:17 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.86 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 95 Resp: 2495853
 Ion Ratio Lower Upper
 95 100
 174 61.4 48.2 72.4
 175 4.5 3.6 5.4





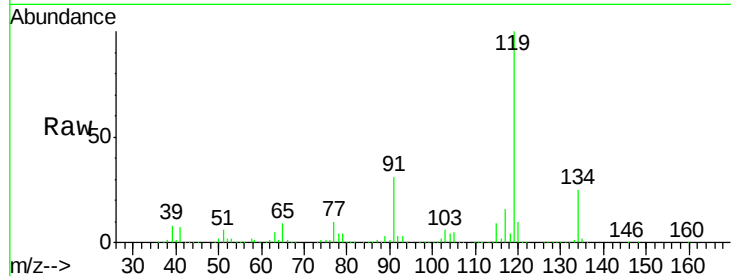
#69
 p-Isopropyltoluene
 Concen: 9.43 ppbv
 RT: 17.99 min Scan# 5256
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

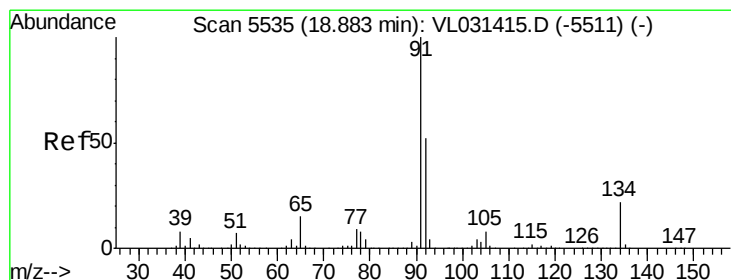
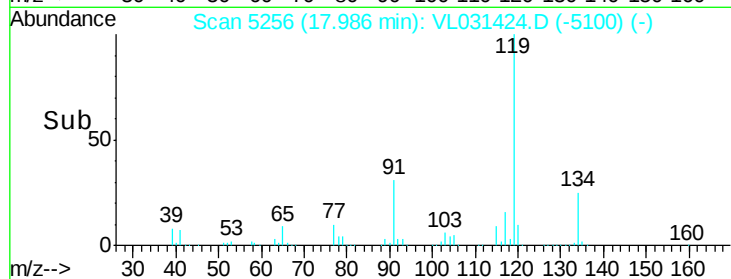
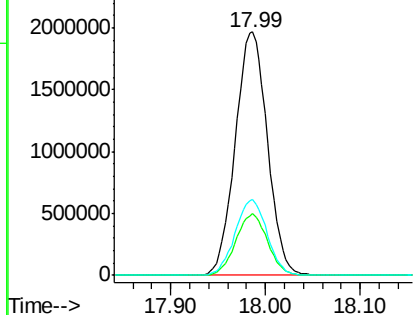
Tot Ion: 119 Resp: 4643010
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.2 30.4
 91 30.9 25.0 37.4

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 1/24/2018 5:10:17 PM

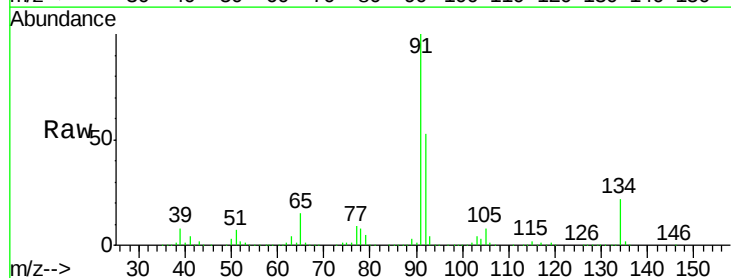


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

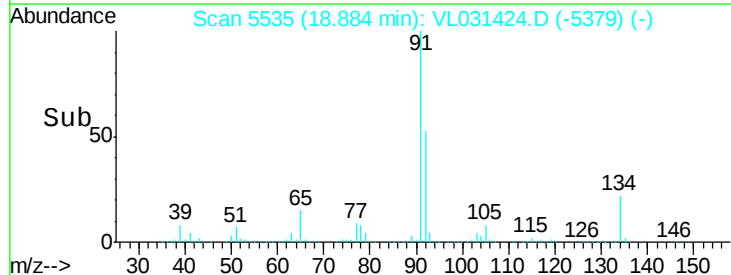
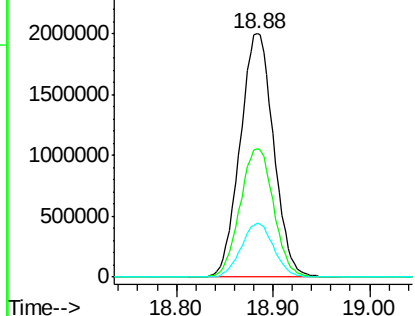


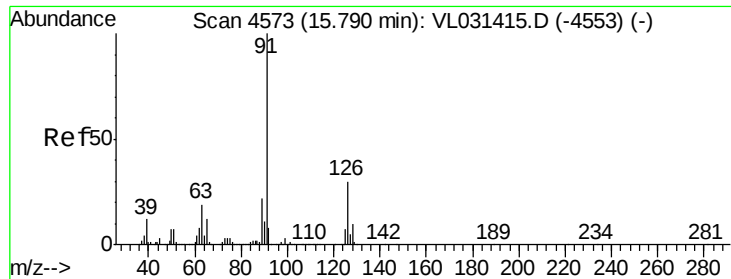
#70
 n-Butylbenzene
 Concen: 9.38 ppbv
 RT: 18.88 min Scan# 5535
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion: 91 Resp: 4805801
 Ion Ratio Lower Upper
 91 100
 92 53.0 42.2 63.4
 134 21.6 17.4 26.2



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: 9.26 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion: 91 Resp: 3473069

Ion Ratio Lower Upper

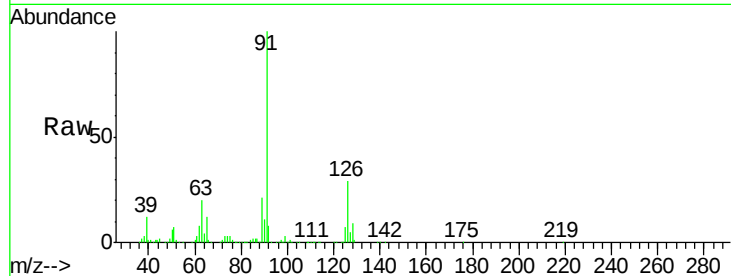
91 100

126 29.3 11.7 46.9

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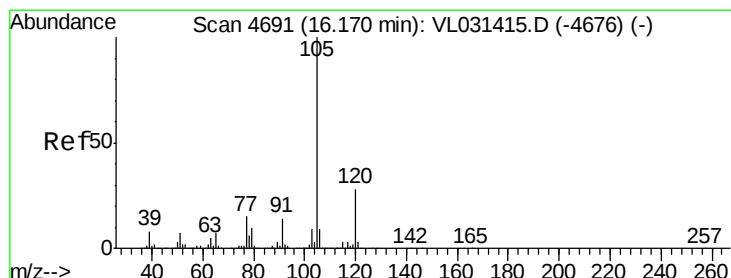
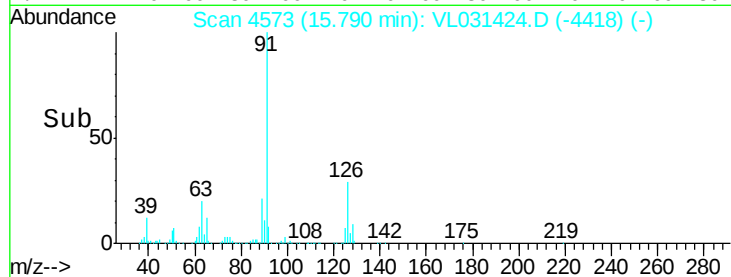
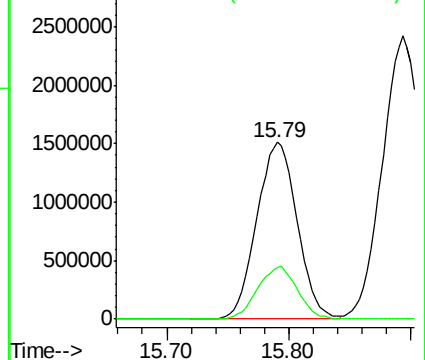
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.44 ppbv

RT: 16.17 min Scan# 4691

Delta R.T. -0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion:105 Resp: 3782729

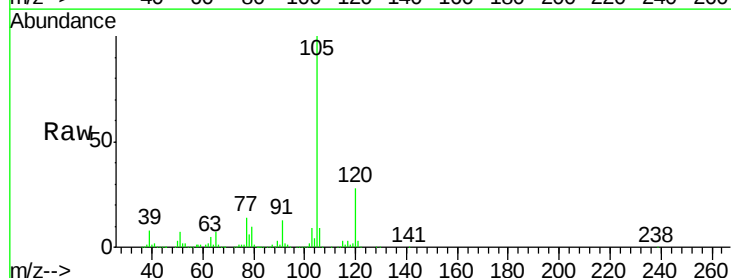
Ion Ratio Lower Upper

105 100

120 28.3 23.0 34.6

91 13.8 11.0 16.4

77 14.8 12.3 18.5

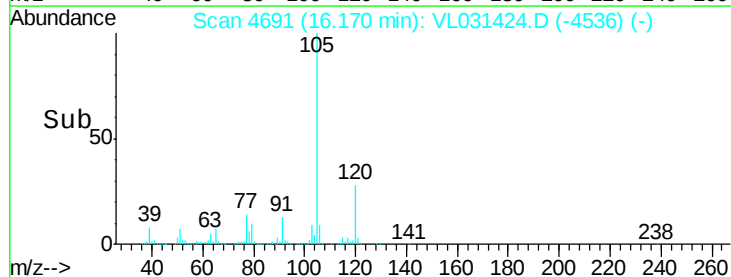
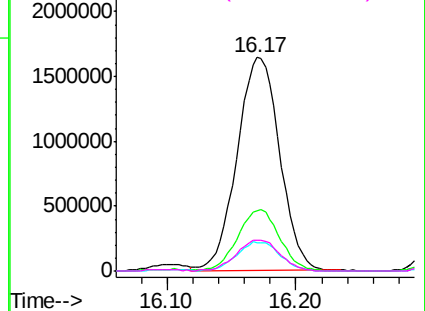


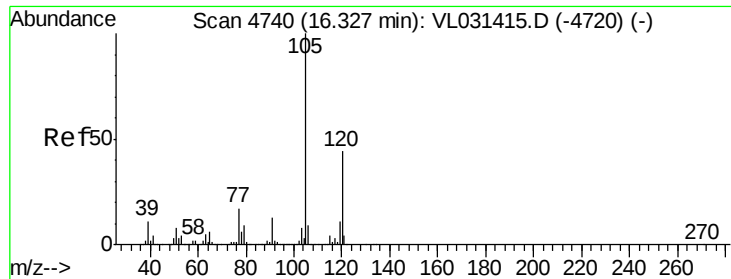
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.23 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion:105 Resp: 3364049

Ion Ratio Lower Upper

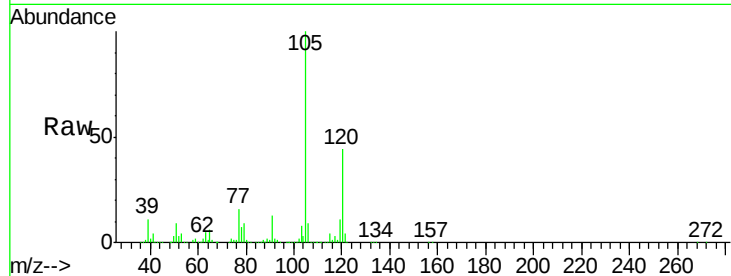
105 100

120 44.0 35.8 53.6

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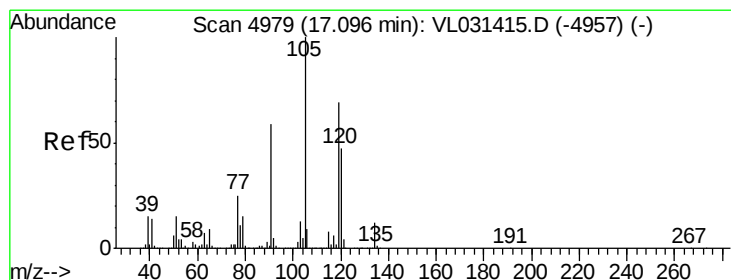
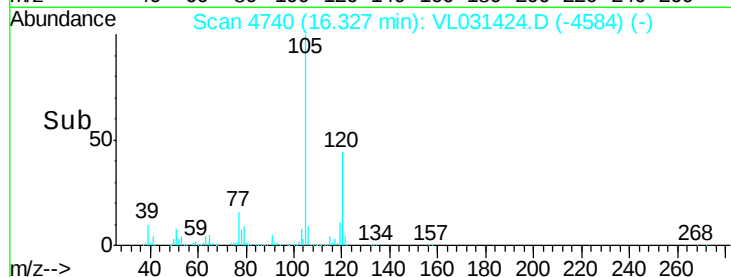
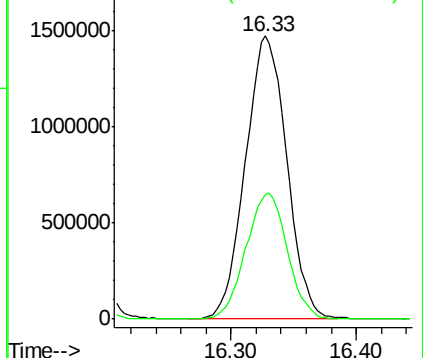
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.99 ppbv

RT: 17.10 min Scan# 4979

Delta R.T. -0.01 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Tgt Ion:105 Resp: 3626961

Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.6

91 56.6 35.1 52.7#

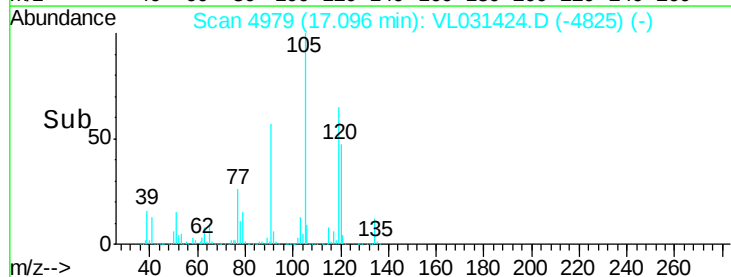
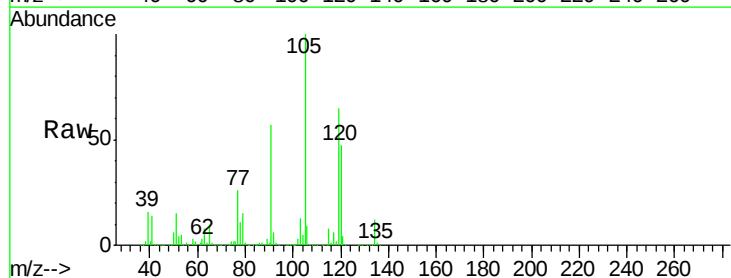
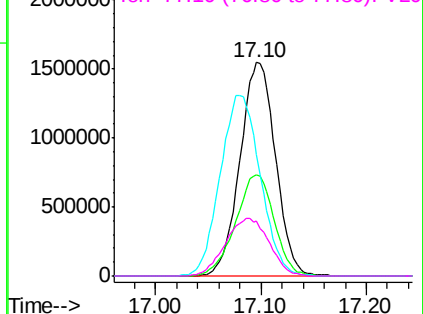
77 25.5 17.9 26.9

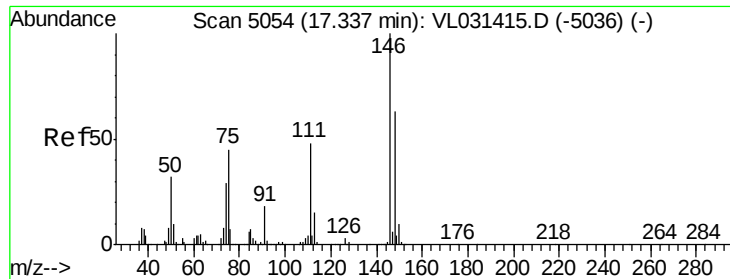
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.02 ppbv

RT: 17.34 min Scan# 5055

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

Instrument :

MSVOA_L

ClientSampleId :

VL0122ABS01

Tot Ion:146 Resp: 2262924

Ion Ratio Lower Upper

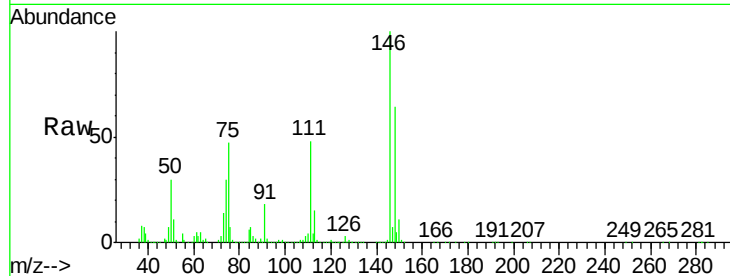
146 100

111 48.2 24.2 72.6

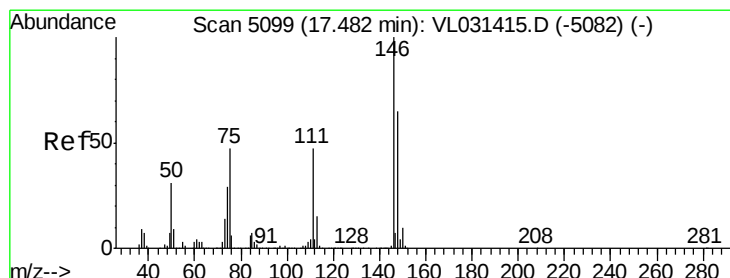
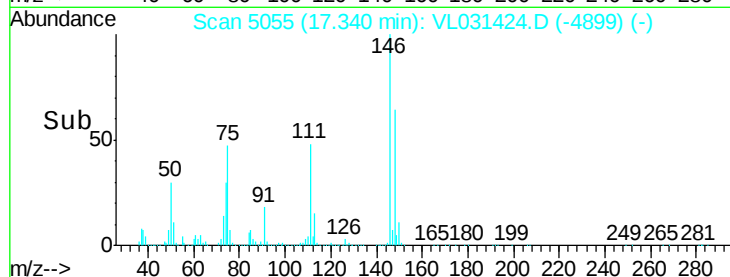
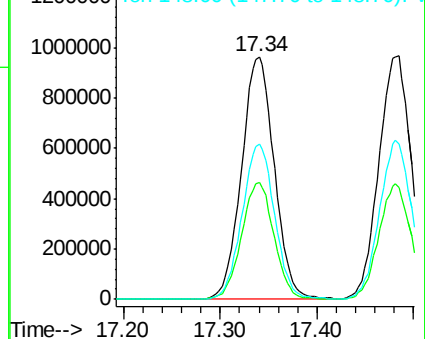
148 63.9 32.1 96.3

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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



#76

1,4-Dichlorobenzene

Concen: 9.24 ppbv

RT: 17.48 min Scan# 5100

Delta R.T. 0.00 min

Lab File: VL031424.D

Acq: 22 Jan 2018 20:34

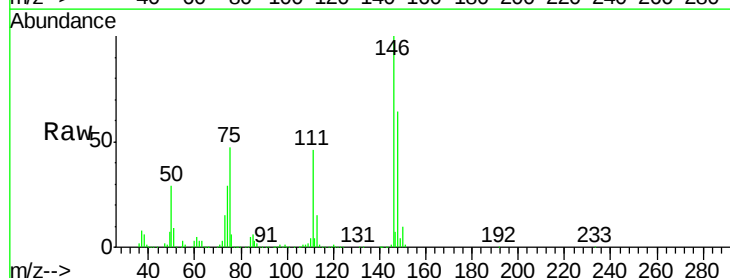
Tgt Ion:146 Resp: 2269804

Ion Ratio Lower Upper

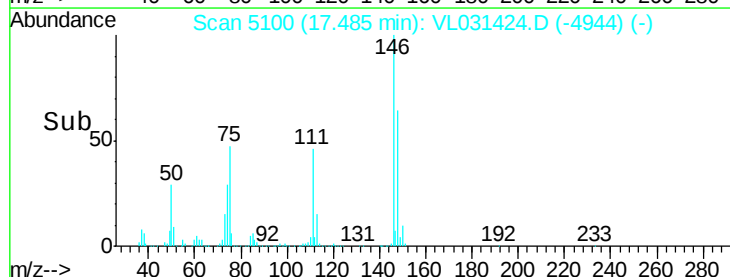
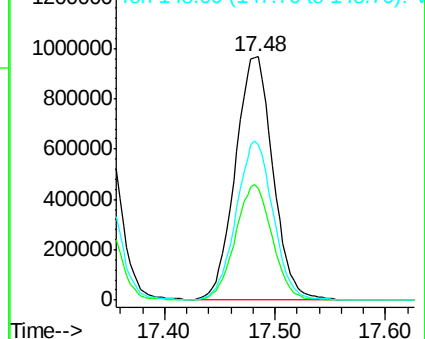
146 100

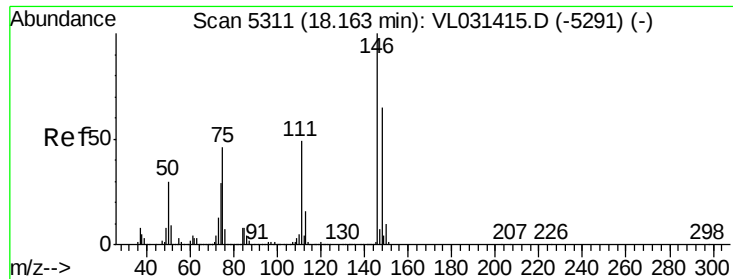
111 46.8 23.3 69.9

148 64.6 32.4 97.2



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





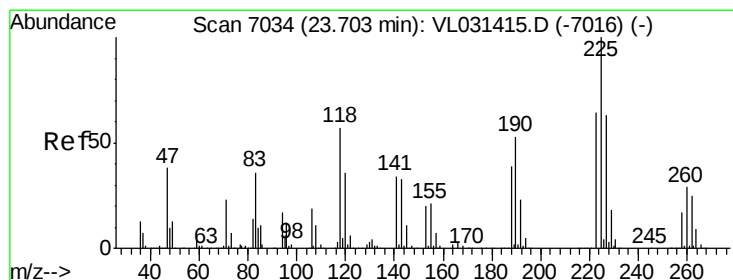
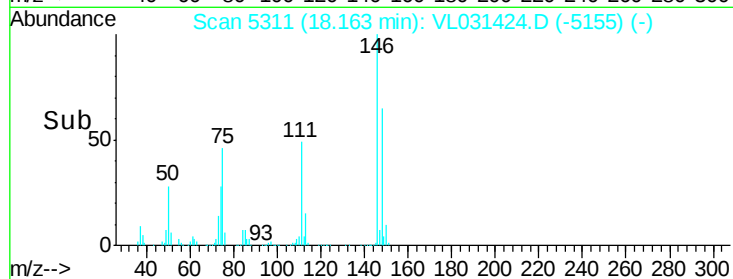
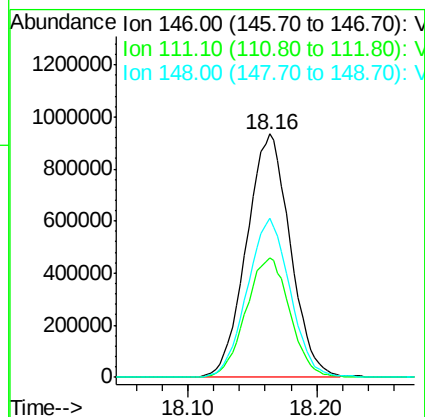
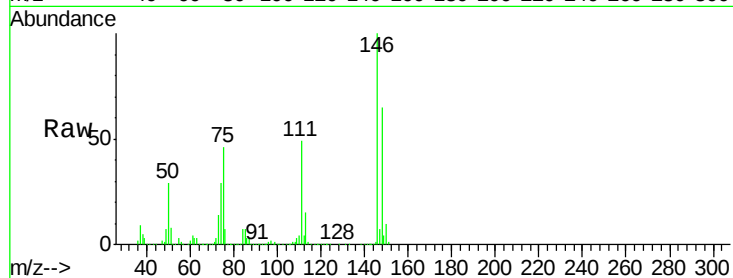
#77
 1,2-Dichlorobenzene
 Concen: 9.06 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	74.0
148	64.5	32.3	96.8

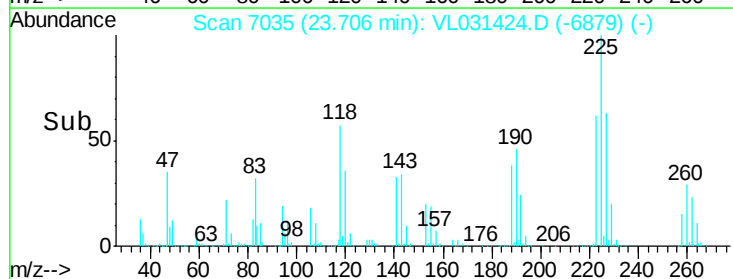
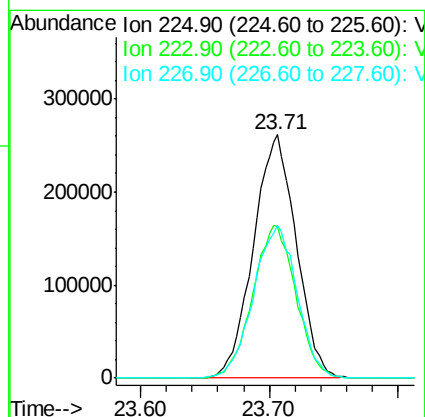
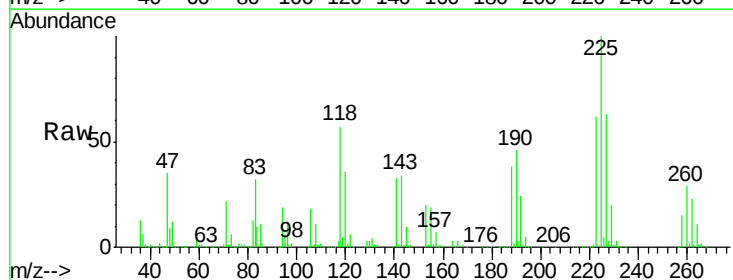
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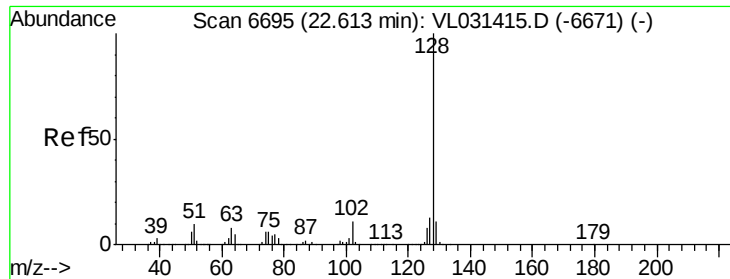
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.08 ppbv
 RT: 23.71 min Scan# 7035
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.3	76.9
227	64.0	50.7	76.1





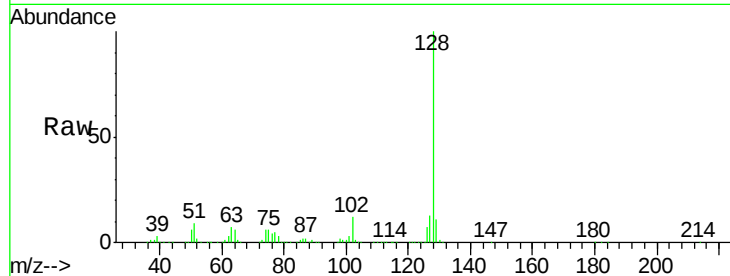
#79
Naphthalene
Concen: 9.69 ppbv
RT: 22.61 min Scan# 6694
Delta R.T. -0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

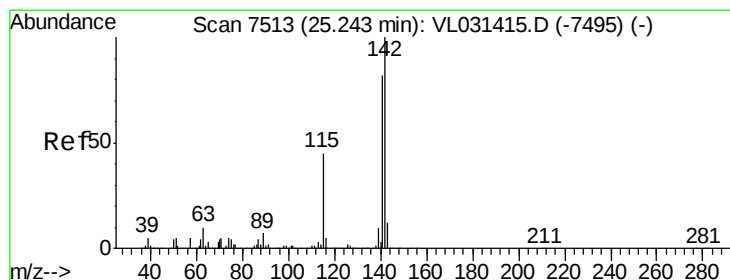
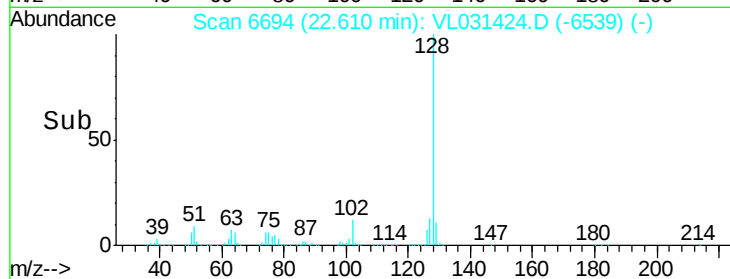
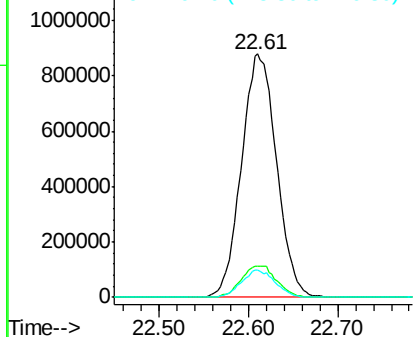
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.2	9.2	13.8

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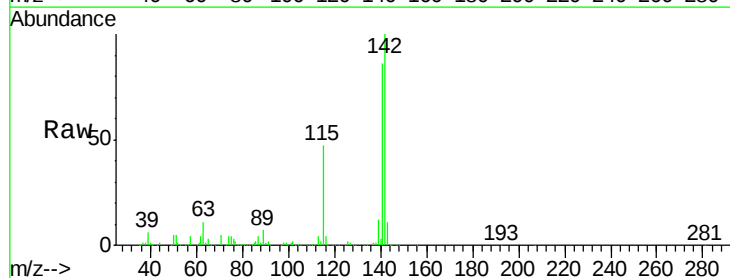


Abundance Ion 128.10 (127.80 to 128.80): V
1200000
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

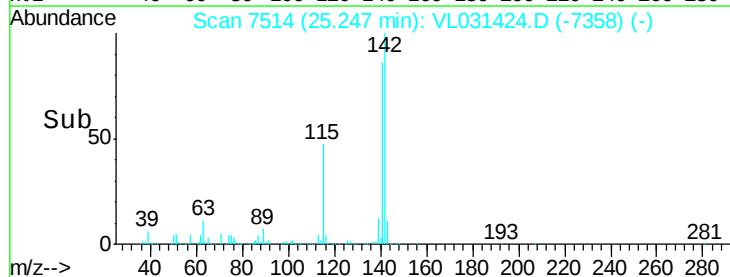
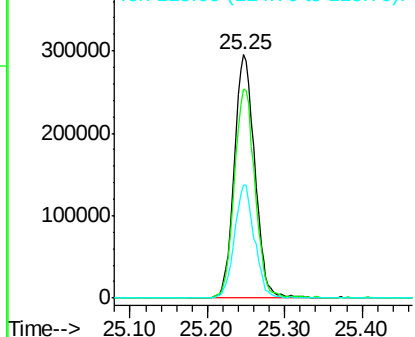


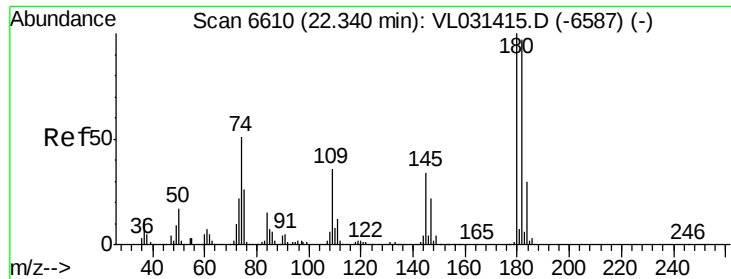
#80
Naphthalene, 2-methyl-
Concen: 7.74 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031424.D
Acq: 22 Jan 2018 20:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.7	103.1
115	44.9	36.3	54.5



Abundance Ion 142.00 (141.70 to 142.70): V
400000
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.35 ppbv
 RT: 22.34 min Scan# 6610
 Delta R.T. 0.00 min
 Lab File: VL031424.D
 Acq: 22 Jan 2018 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.4
184	30.6	24.2	36.4

Manual Integrations
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