

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031418.D
 Acq On : 22 Jan 2018 15:25
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:12 PM

Quant Time: Jan 22 17:03:22 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 16:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1274666	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	3013476	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3073513	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2460937	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.17	85	119192	0.48	ppbv	96
3) Chlorodifluoromethane	3.11	51	95107	0.51	ppbv	100
4) Chloromethane	3.27	50	41458	0.49	ppbv	95
5) Vinyl Chloride	3.40	62	38540	0.44	ppbv	95
6) Bromomethane	3.62	94	27986	0.48	ppbv	96
7) Chloroethane	3.71	64	16718	0.49	ppbv #	82
8) Dichlorotetrafluoroethane	3.32	85	116743	0.52	ppbv	100
9) Propene	3.13	41	30517	0.44	ppbv	97
10) Heptane	8.40	43	91389	0.44	ppbv	99
11) Trichlorofluoromethane	4.13	101	139345	0.53	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.68	101	83959	0.51	ppbv	100
13) Ethanol	3.77	45	11726	0.34	ppbv	89
14) Bromoethene	3.91	108	32915	0.48	ppbv	95
15) Acetone	4.03	43	100046	0.47	ppbv	99
16) 1,3-Butadiene	3.47	39	35630	0.45	ppbv	99
17) tert-Butyl alcohol	4.50	59	44590	0.46	ppbv	100
18) 1,1-Dichloroethene	4.48	96	35821	0.49	ppbv	86
19) Isopropyl Alcohol	4.15	45	58555	0.40	ppbv #	95
20) Methylene Chloride	4.54	84	40491	0.53	ppbv	82
21) Allyl Chloride	4.61	41	54855	0.48	ppbv	96
22) trans-1,2-Dichloroethene	5.09	96	38017m	0.49	ppbv	
23) Vinyl Acetate	5.29	43	113628	0.47	ppbv #	96
24) 1,1-Dichloroethane	5.22	63	97954	0.48	ppbv	99
25) Ethyl Acetate	5.92	43	158618	0.44	ppbv	98
26) Hexane	5.92	57	68812	0.46	ppbv	94
27) Carbon Disulfide	4.76	76	89871	0.45	ppbv #	85
28) Methyl tert-Butyl Ether	5.26	73	79486m	0.43	ppbv	
29) Chloroform	5.99	83	121697	0.47	ppbv	97
30) Cyclohexane	7.40	84	47022	0.39	ppbv	84
31) cis-1,2-Dichloroethene	5.78	61	61446	0.42	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	122259	0.45	ppbv	97
34) 2-Butanone	5.48	43	97018	0.39	ppbv	99
35) Carbon Tetrachloride	7.29	117	129162	0.45	ppbv	99
36) Benzene	7.16	78	135906	0.44	ppbv	98
37) 1,2-Dichloroethane	6.55	62	109640	0.48	ppbv	100
38) Trichloroethene	8.11	130	56484m	0.44	ppbv	
39) 1,2-Dichloropropane	7.90	63	52744m	0.46	ppbv	
40) 1,4-Dioxane	8.15	88	22964m	0.40	ppbv	
41) Tetrahydrofuran	6.32	42	48882m	0.38	ppbv	
42) Bromodichloromethane	8.07	83	130176	0.46	ppbv	89
43) Methyl Methacrylate	8.30	69	45842	0.39	ppbv	98

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Manual Integrations
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 1/24/2018 5:10:12 PM

Quant Time: Jan 22 17:03:22 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 16:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	234076	0.45	ppbv	96
45) t-1,3-Dichloropropene	9.58	75	59774	0.37	ppbv	95
46) cis-1,3-Dichloropropene	9.00	75	79840	0.40	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	61599	0.45	ppbv	93
48) Dibromochloromethane	10.62	129	106579	0.44	ppbv	99
49) Bromoform	13.37	173	80590m	0.43	ppbv	
50) 4-Methyl-2-Pentanone	9.05	43	118888	0.36	ppbv	98
51) 2-Hexanone	10.46	43	111271	0.33	ppbv #	98
52) Tetrachloroethene	11.54	164	55798	0.45	ppbv	87
53) Toluene	10.11	91	146794	0.40	ppbv	98
54) 1,2-Dibromoethane	10.93	107	92917	0.44	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.45	131	78204m	0.49	ppbv	
57) Chlorobenzene	12.47	112	139114	0.48	ppbv	98
58) Ethyl Benzene	13.03	91	215672	0.43	ppbv	96
59) m/p-Xylene	13.31	91	394052m	0.95	ppbv	
60) o-Xylene	14.02	91	185184	0.44	ppbv	99
61) Styrene	13.85	104	33753	0.36	ppbv	99
62) Isopropylbenzene	15.00	105	240744	0.45	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.00	83	143943	0.45	ppbv	98
64) n-propylbenzene	15.89	120	59504	0.44	ppbv	91
65) tert-Butylbenzene	17.08	119	210905	0.45	ppbv	94
66) Benzyl Chloride	17.32	91	19529m	0.44	ppbv	
67) sec-Butylbenzene	17.63	105	295083	0.44	ppbv	100
69) p-Isopropyltoluene	17.98	119	228472	0.43	ppbv	98
70) n-Butylbenzene	18.88	91	236258	0.42	ppbv	100
71) 2-Chlorotoluene	15.79	91	176138m	0.43	ppbv	
72) 4-Ethyltoluene	16.17	105	181362	0.42	ppbv	98
73) 1,3,5-Trimethylbenzene	16.32	105	169448	0.44	ppbv	98
74) 1,2,4-Trimethylbenzene	17.09	105	198773	0.47	ppbv	94
75) 1,3-Dichlorobenzene	17.33	146	130986	0.49	ppbv	94
76) 1,4-Dichlorobenzene	17.48	146	124335	0.46	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	123181	0.46	ppbv	99
78) Hexachloro-1,3-Butadiene	23.70	225	43164m	0.50	ppbv	
79) Naphthalene	22.62	128	103337	0.51	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	25710	0.51	ppbv	94
81) 1,2,4-Trichlorobenzene	22.34	180	62912	0.53	ppbv	99

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

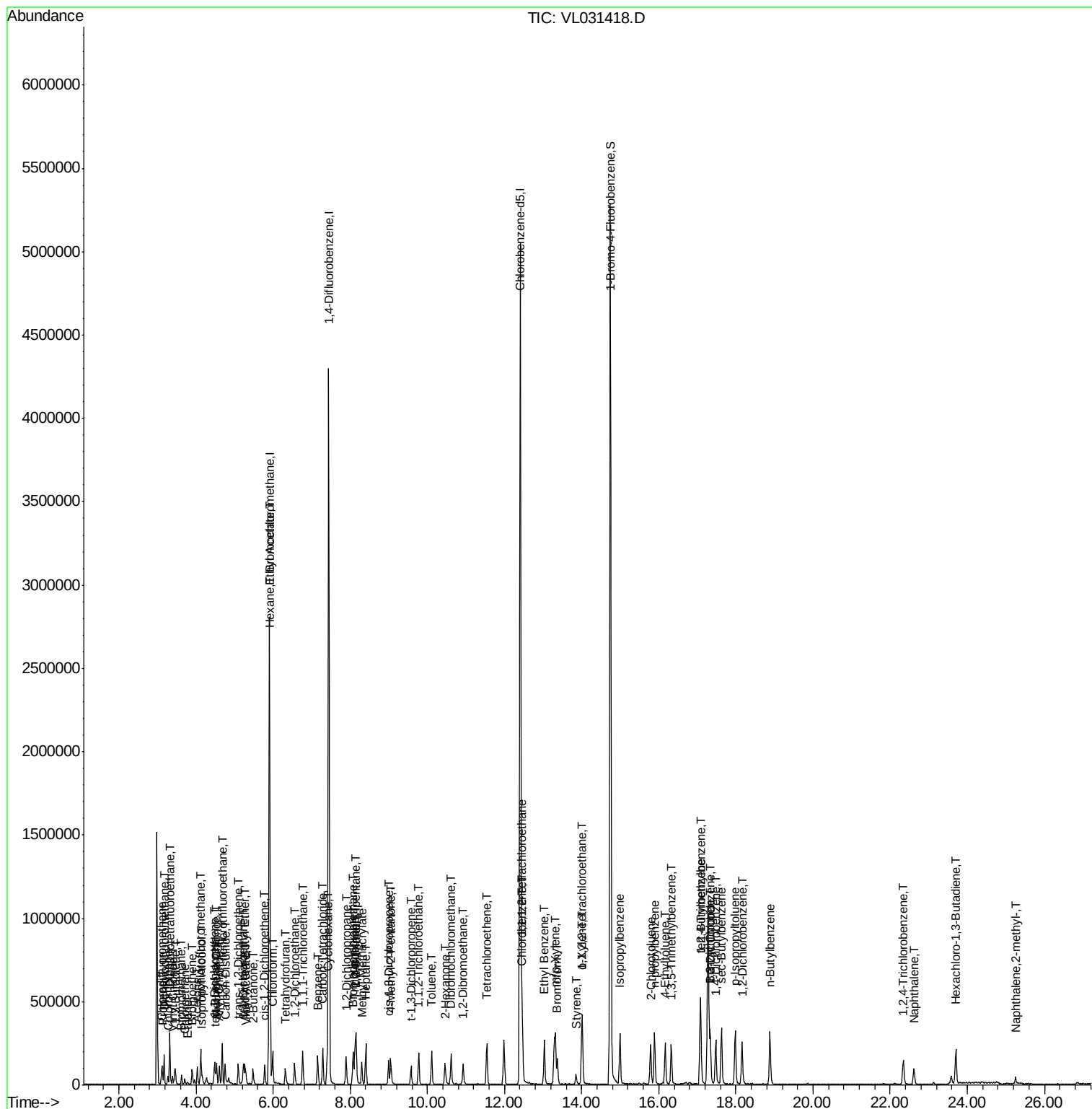
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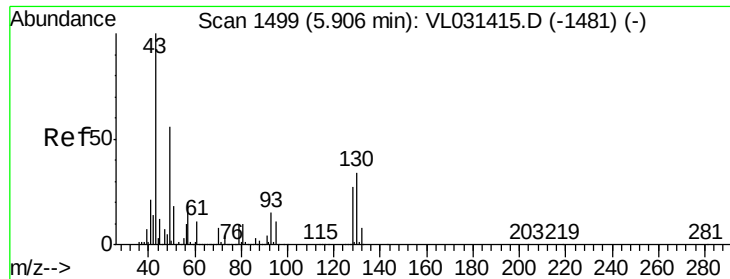
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.5

Manual Integrations

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Quant Time: Jan 22 17:03:22 2018
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QLast Update : Mon Jan 22 16:42:46 2018
Response via : Initial Calibration





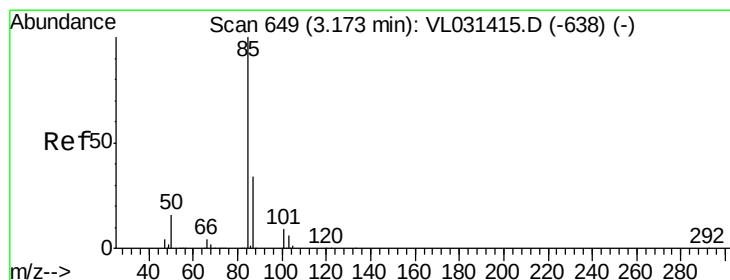
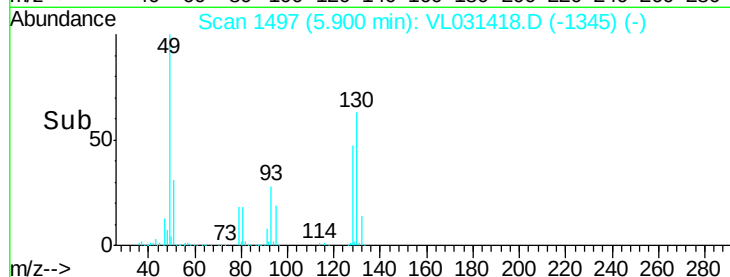
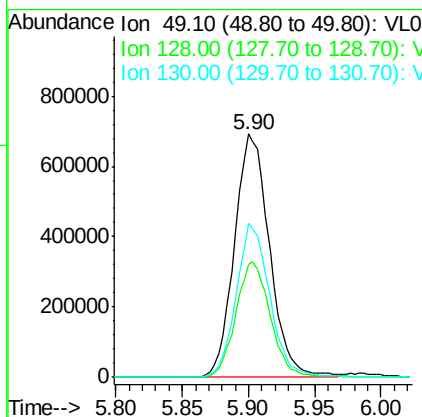
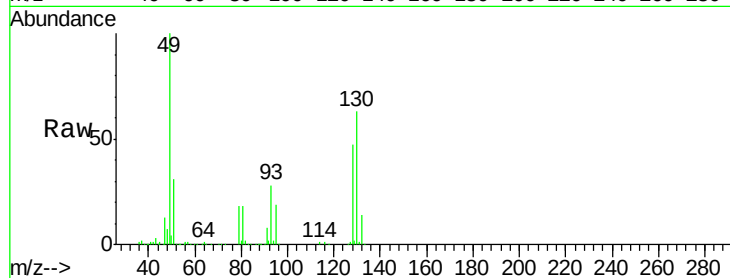
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.5	70.6
130	60.7	29.9	89.7

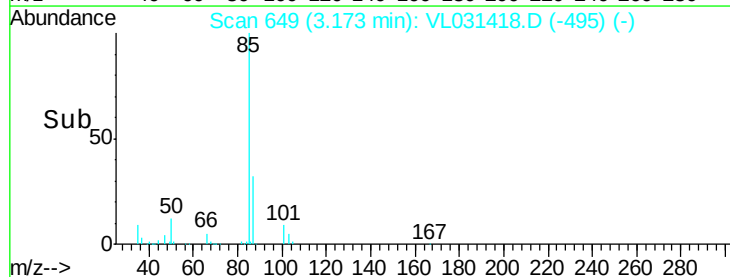
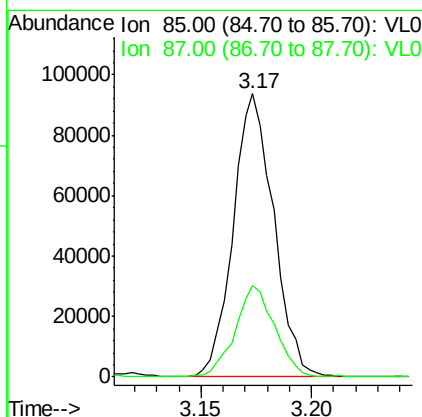
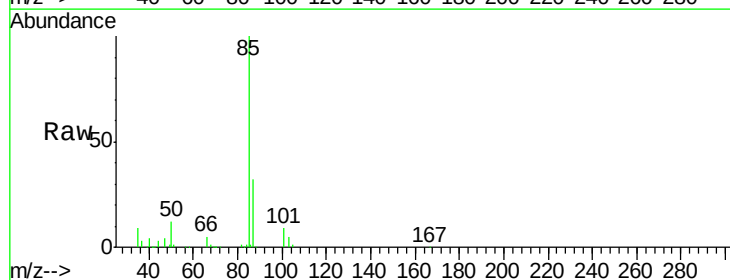
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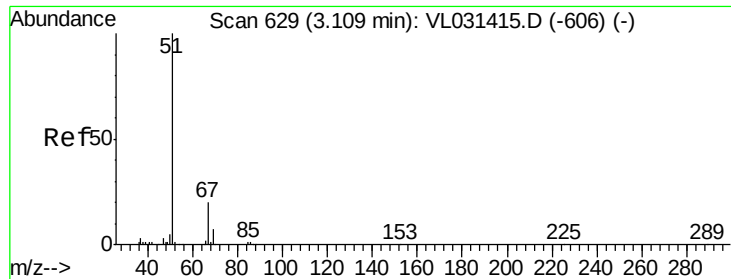
MMDadoda
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#2
Dichlorodifluoromethane
Concen: 0.48 ppbv
RT: 3.17 min Scan# 649
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.4	41.0





#3

Chlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.11 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 95107

Ion Ratio Lower Upper

51 100

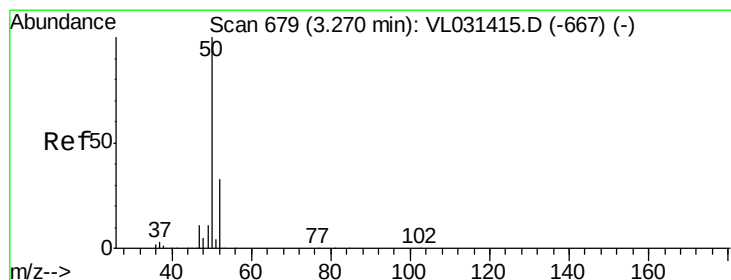
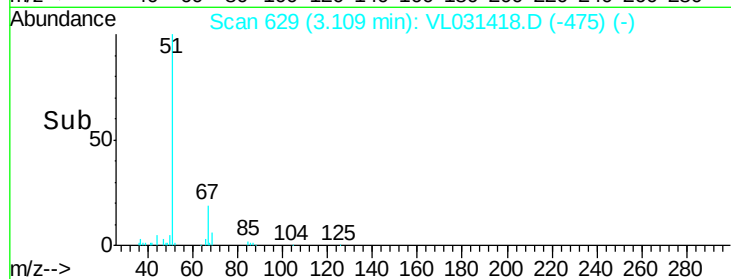
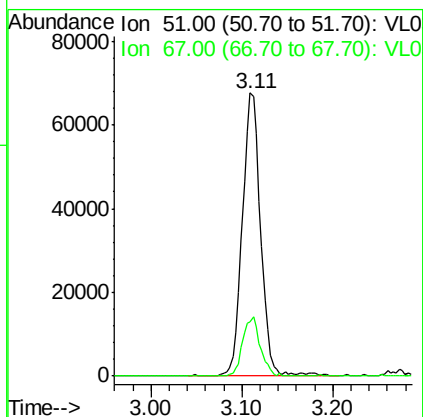
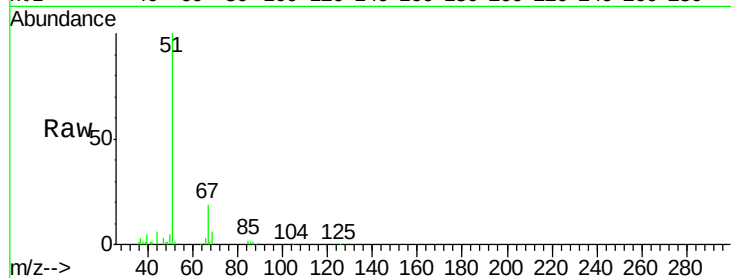
67 20.2 16.0 24.0

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#4

Chloromethane

Concen: 0.49 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL031418.D

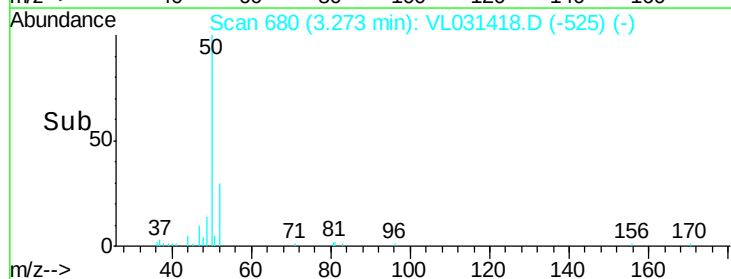
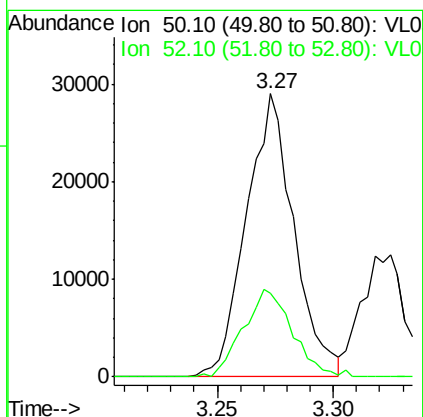
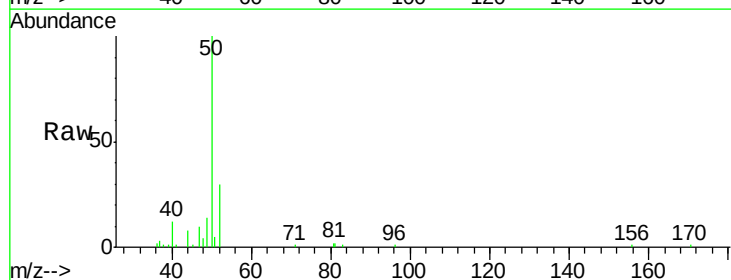
Acq: 22 Jan 2018 15:25

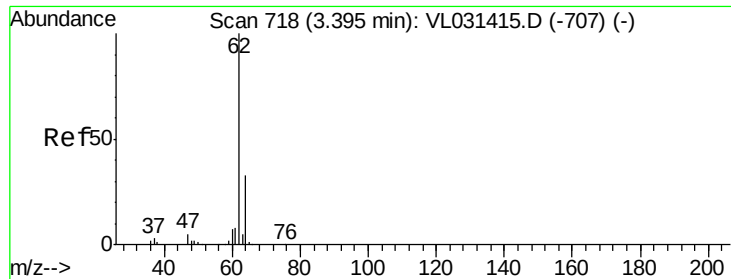
Tgt Ion: 50 Resp: 41458

Ion Ratio Lower Upper

50 100

52 30.0 26.4 39.6





#5

Vinyl Chloride

Concen: 0.44 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 38540

Ion Ratio Lower Upper

62 100

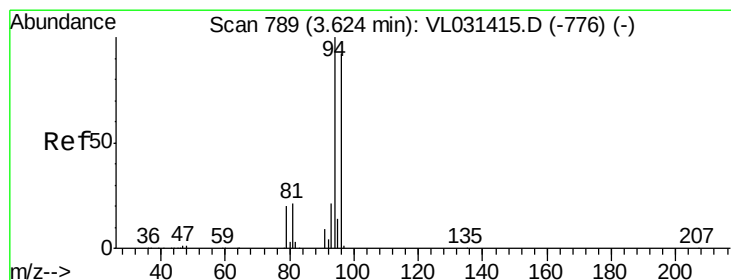
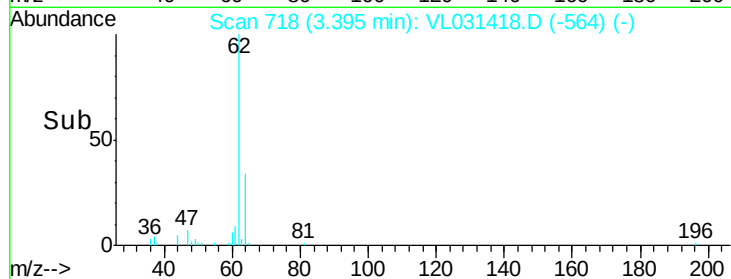
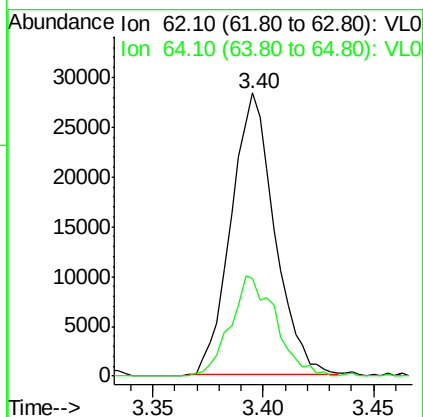
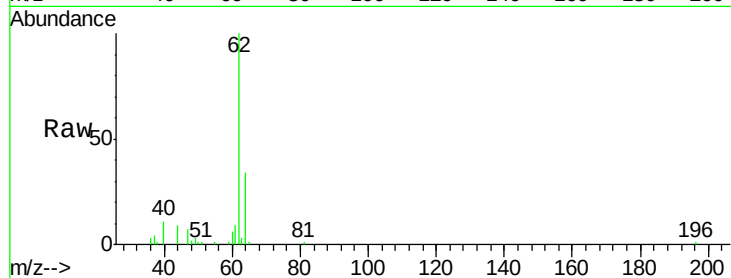
64 34.6 25.4 38.0

Manual Integrations

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#6

Bromomethane

Concen: 0.48 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031418.D

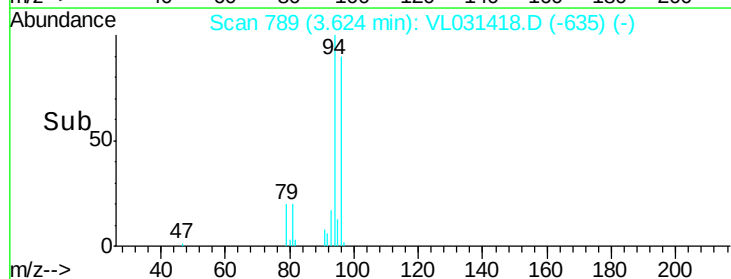
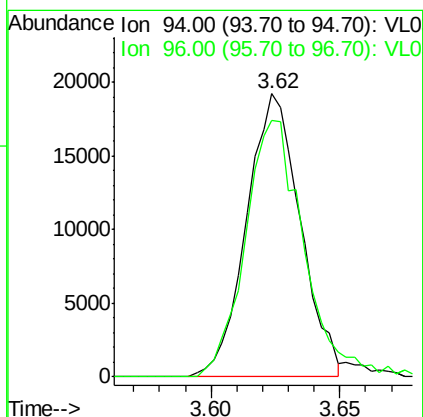
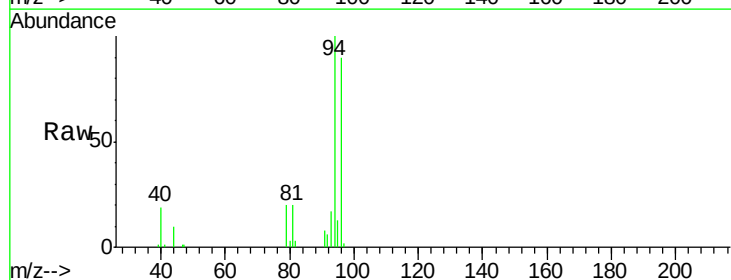
Acq: 22 Jan 2018 15:25

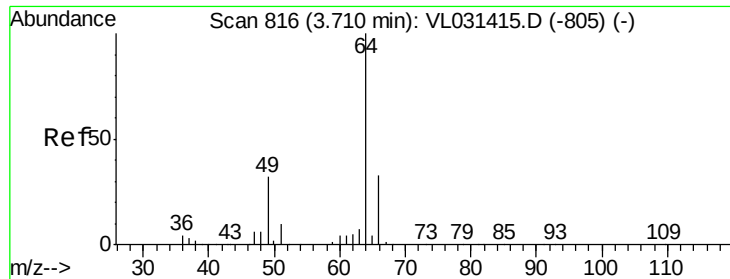
Tgt Ion: 94 Resp: 27986

Ion Ratio Lower Upper

94 100

96 90.4 75.1 112.7





#7

Chloroethane

Concen: 0.49 ppbv

RT: 3.71 min Scan# 817

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 16718

Ion Ratio Lower Upper

64 100

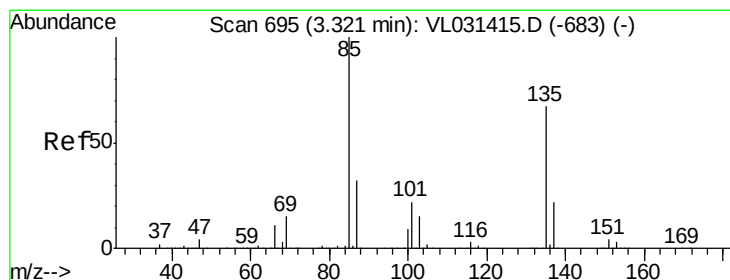
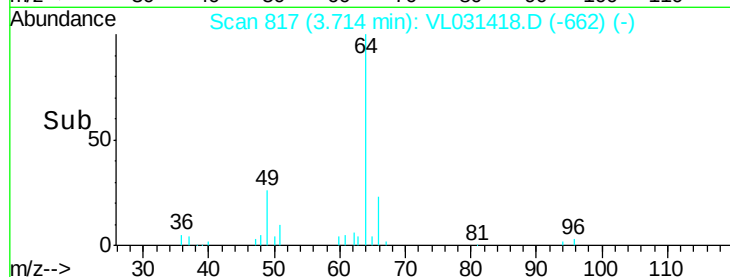
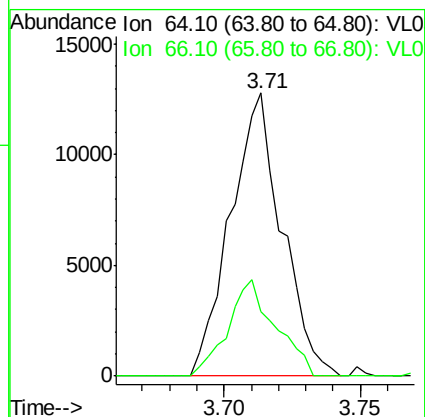
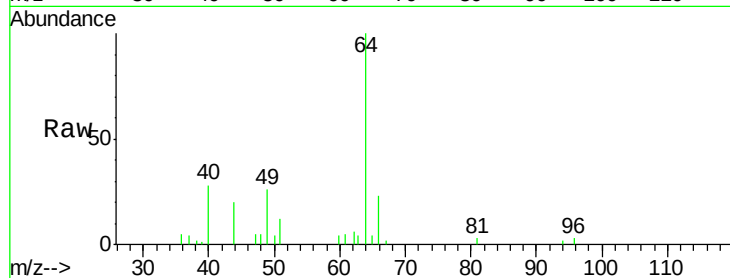
66 23.0 26.3 39.5#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.52 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031418.D

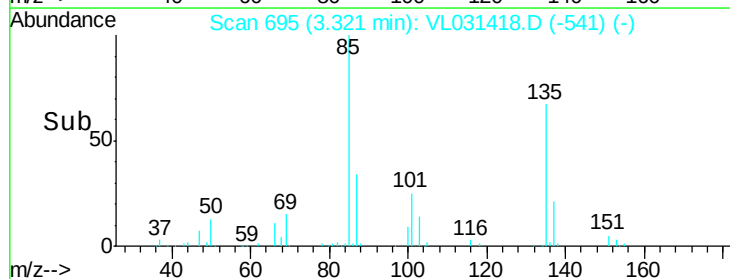
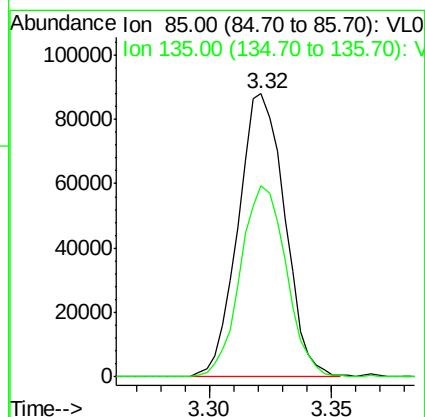
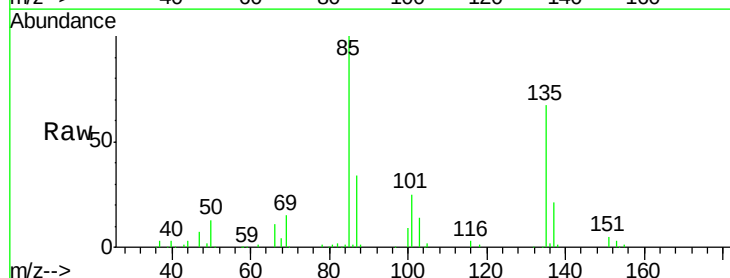
Acq: 22 Jan 2018 15:25

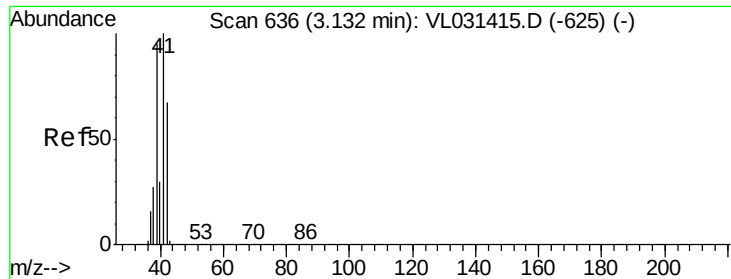
Tgt Ion: 85 Resp: 116743

Ion Ratio Lower Upper

85 100

135 66.4 53.3 79.9





#9

Propene

Concen: 0.44 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 30517

Ion Ratio Lower Upper

41 100

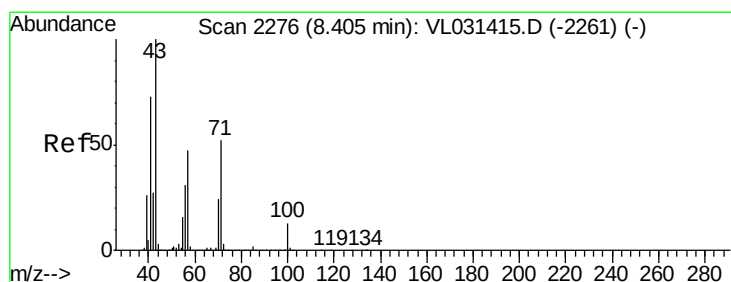
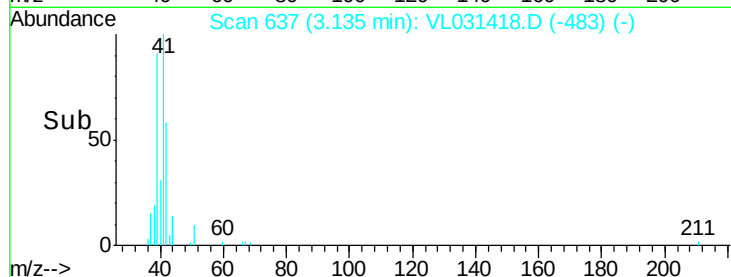
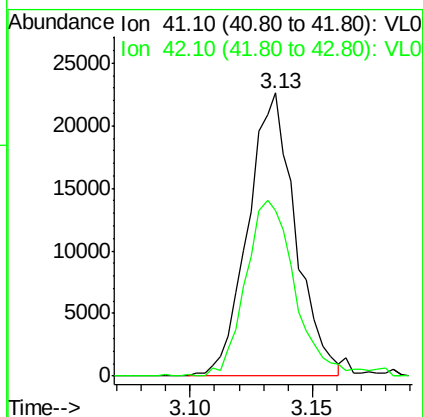
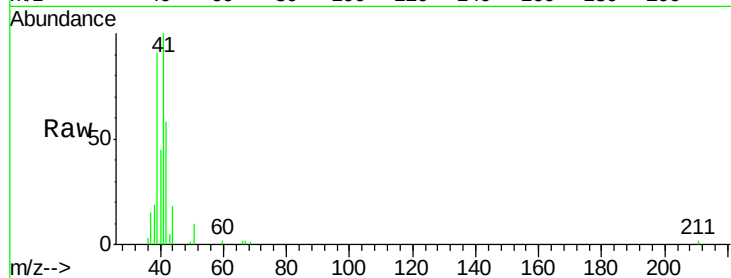
42 65.6 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 0.44 ppbv

RT: 8.40 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL031418.D

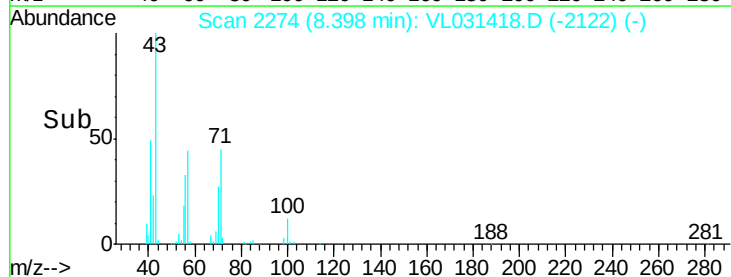
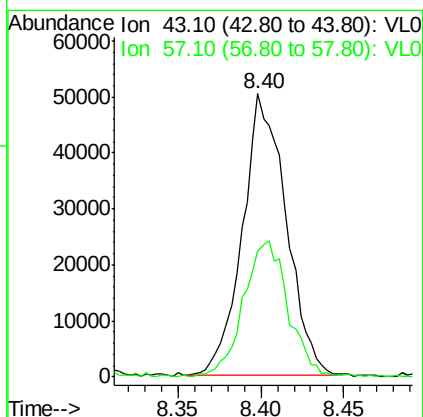
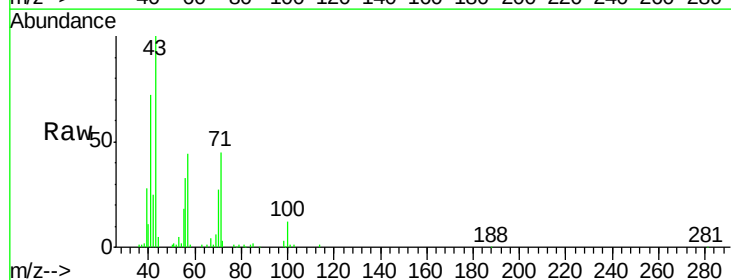
Acq: 22 Jan 2018 15:25

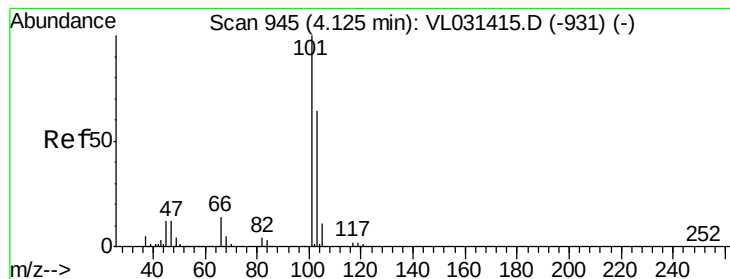
Tgt Ion: 43 Resp: 91389

Ion Ratio Lower Upper

43 100

57 50.1 39.7 59.5





#11

Trichlorofluoromethane

Concen: 0.53 ppbv

RT: 4.13 min Scan# 945

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 139345

Ion Ratio Lower Upper

101 100

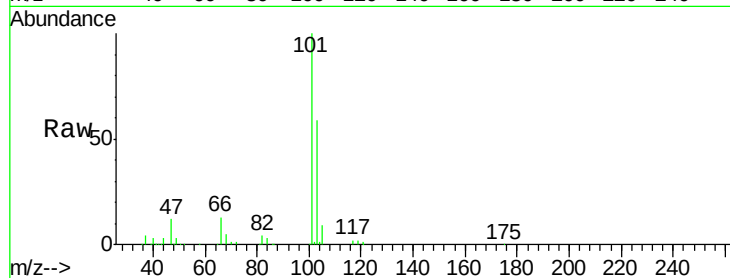
103 58.7 53.1 79.7

Manual Integrations

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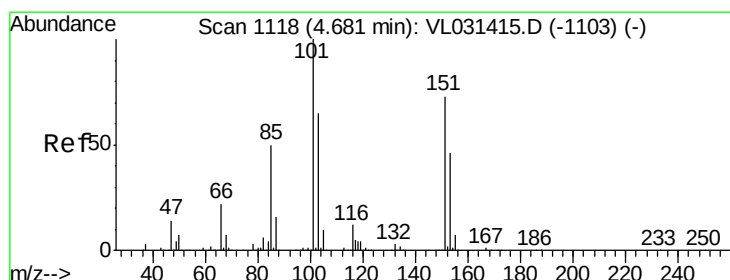
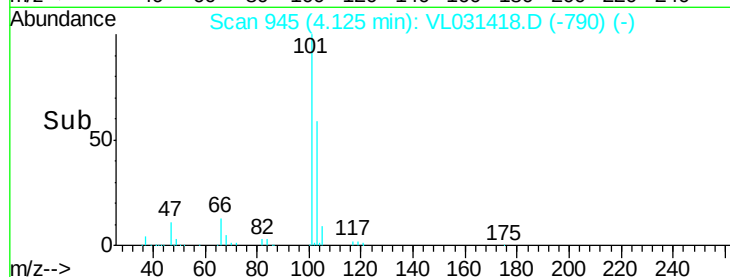
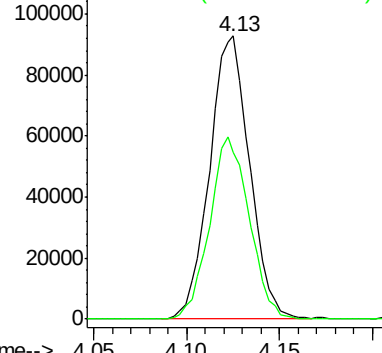
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.51 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL031418.D

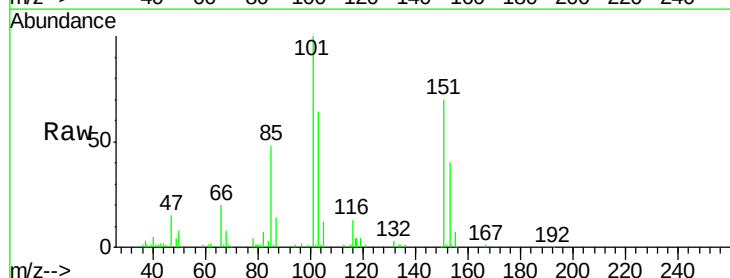
Acq: 22 Jan 2018 15:25

Tgt Ion:101 Resp: 83959

Ion Ratio Lower Upper

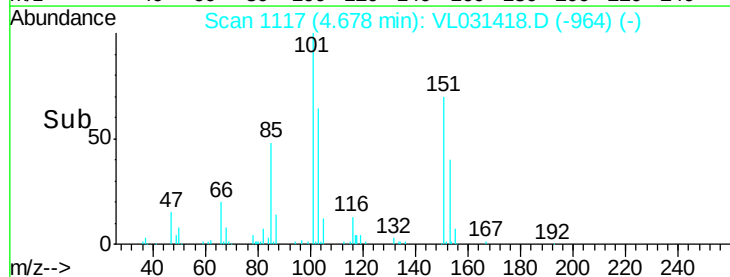
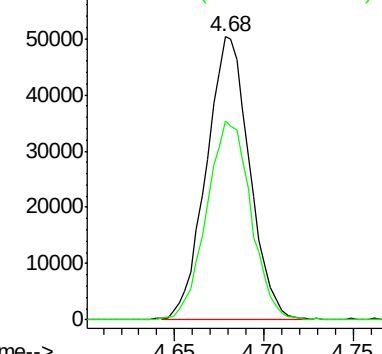
101 100

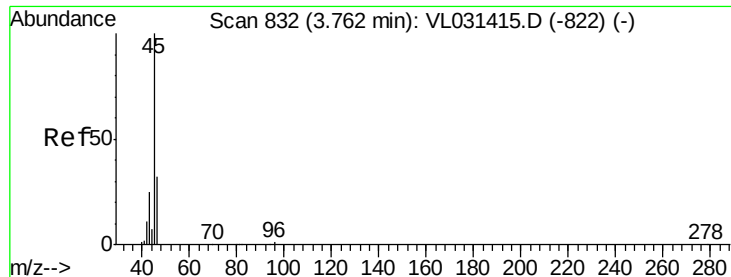
151 72.5 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





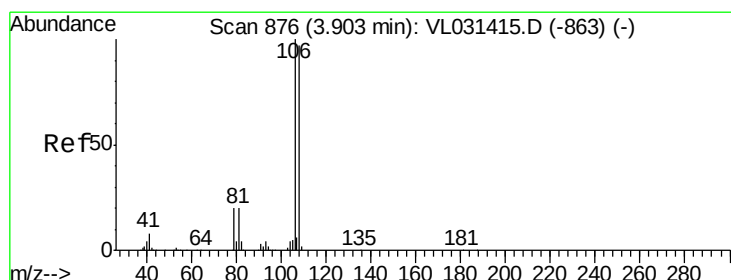
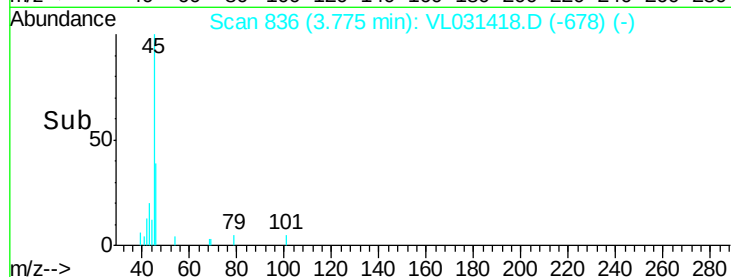
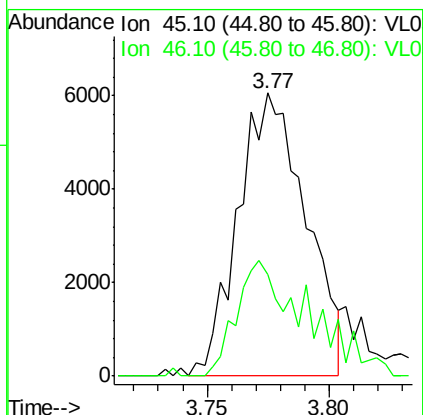
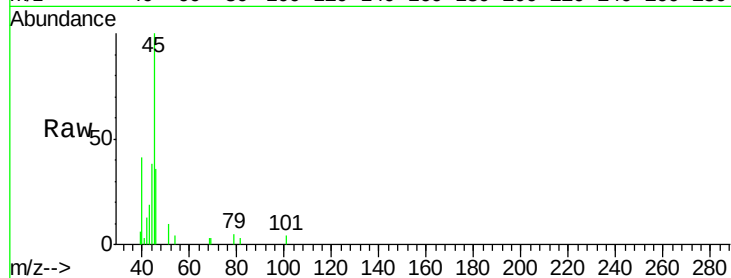
#13
Ethanol
Concen: 0.34 ppbv
RT: 3.77 min Scan# 836
Delta R.T. 0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Resp	11726
Ion Ratio	100	Lower	Upper
46	43.8	14.9	59.5

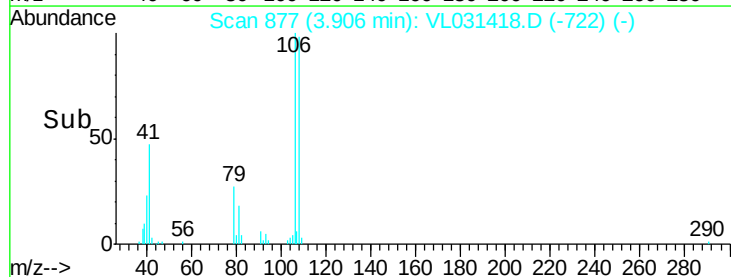
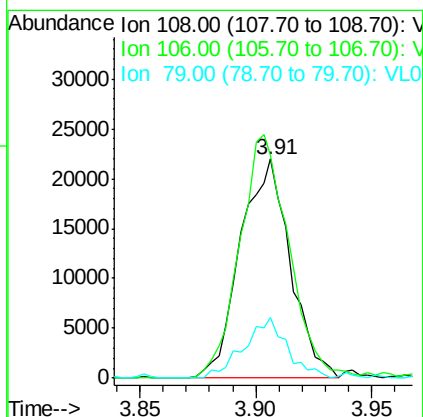
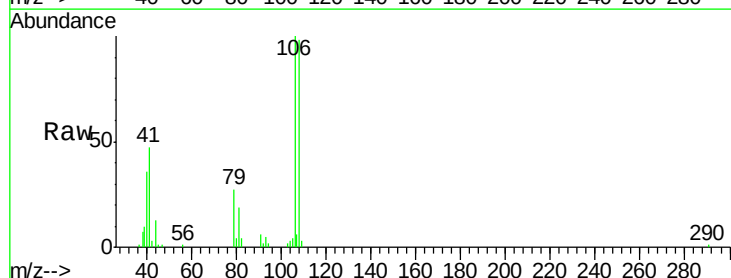
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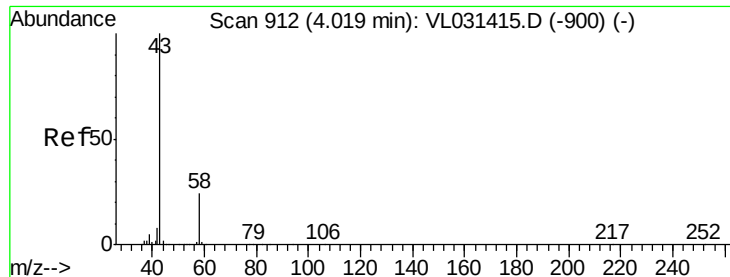
MMDadoda
1/24/2018 5:10:12 PM



#14
Bromoethene
Concen: 0.48 ppbv
RT: 3.91 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	108	Resp	32915
Ion Ratio	100	Lower	Upper
106	111.1	85.3	127.9
79	25.0	16.8	25.2





#15

Acetone

Concen: 0.47 ppbv

RT: 4.03 min Scan# 916

Delta R.T. 0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 100046

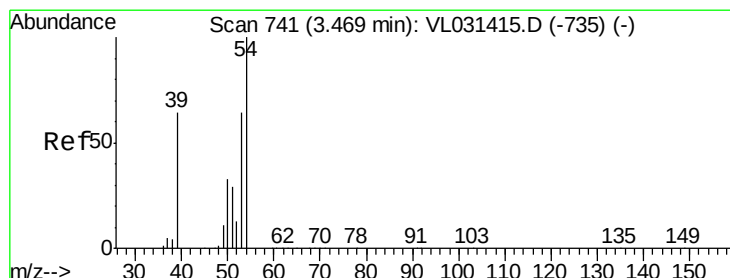
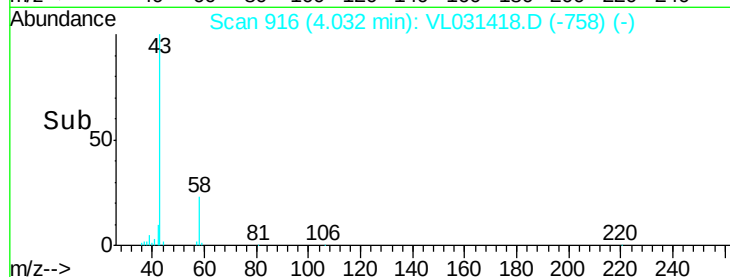
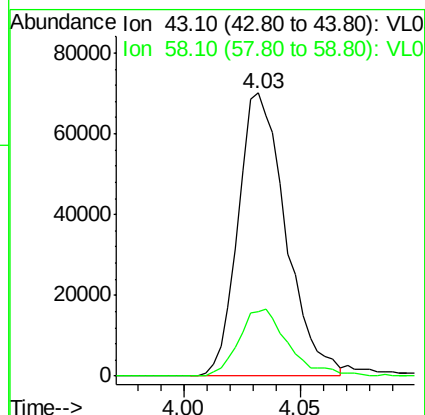
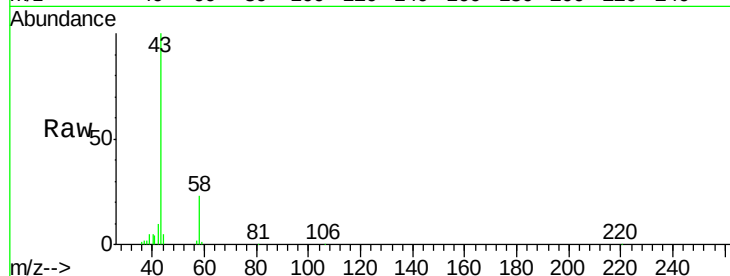
Ion Ratio Lower Upper

43 100

58 24.9 19.4 29.2

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#16

1,3-Butadiene

Concen: 0.45 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031418.D

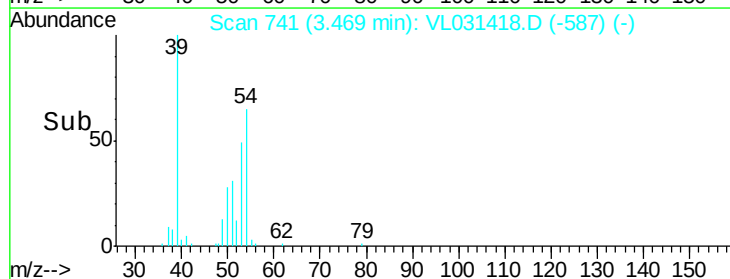
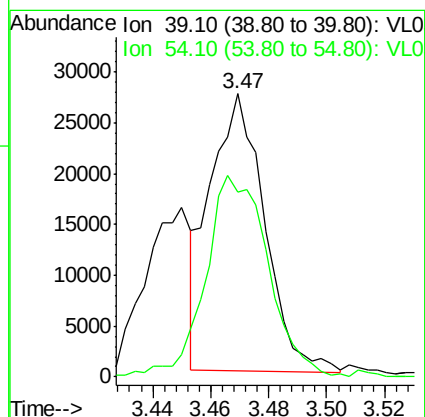
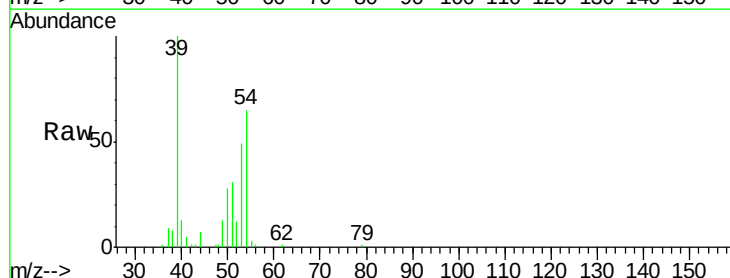
Acq: 22 Jan 2018 15:25

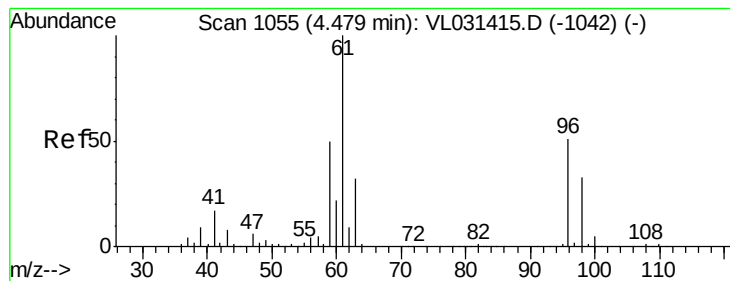
Tgt Ion: 39 Resp: 35630

Ion Ratio Lower Upper

39 100

54 84.3 67.0 100.6





#17

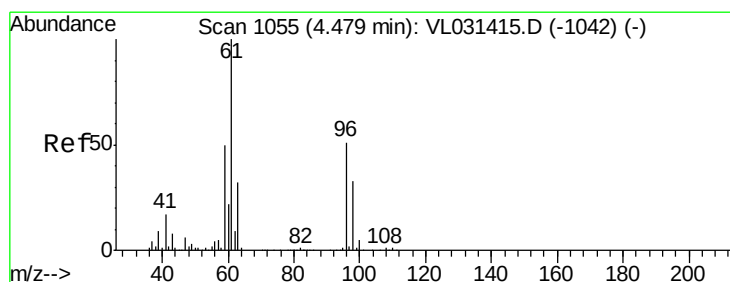
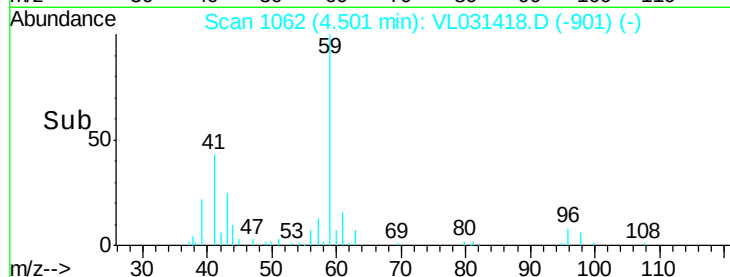
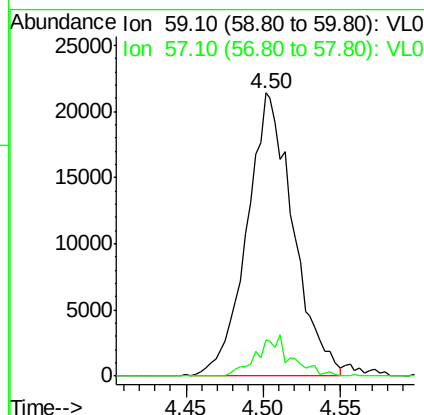
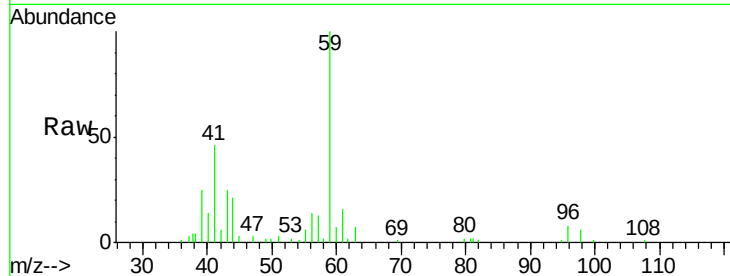
tert-Butyl alcohol
Concen: 0.46 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.02 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	44590
Ion Ratio	59	100	
Lower	57	10.8	8.6
Upper			13.0

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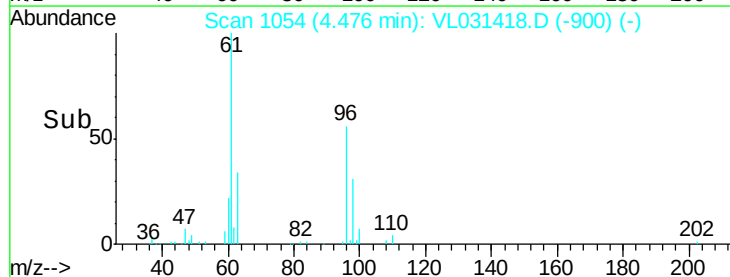
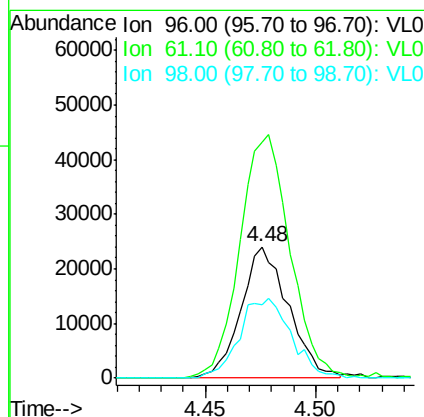
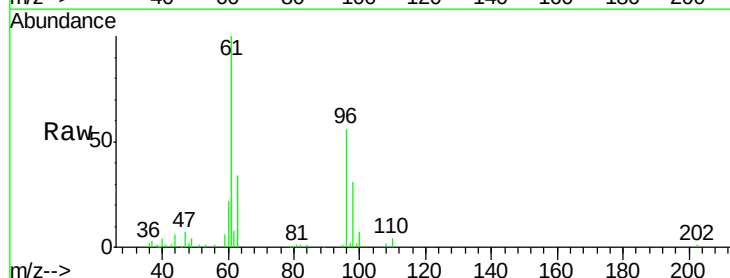
MMDadoda
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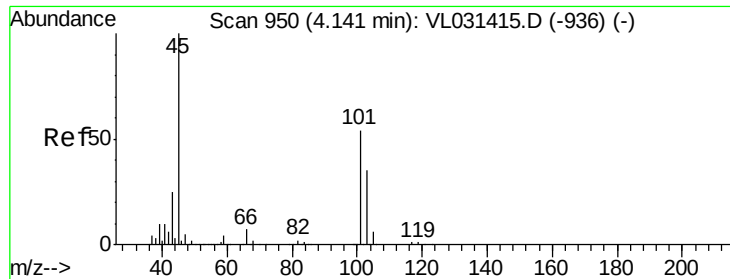


#18

1,1-Dichloroethene
Concen: 0.49 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	96	Resp	35821
Ion Ratio	96	100	
Lower	61	178.0	161.6
Upper	98	55.6	49.6





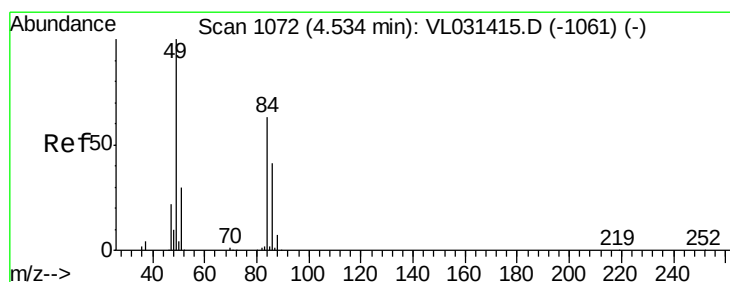
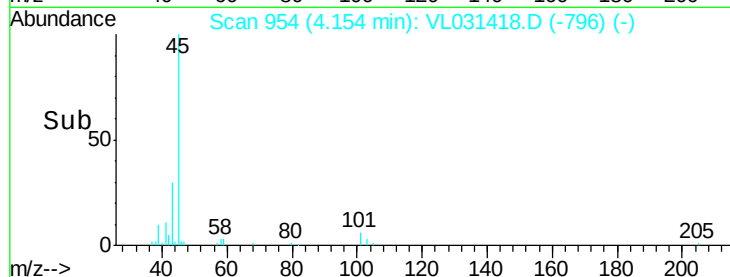
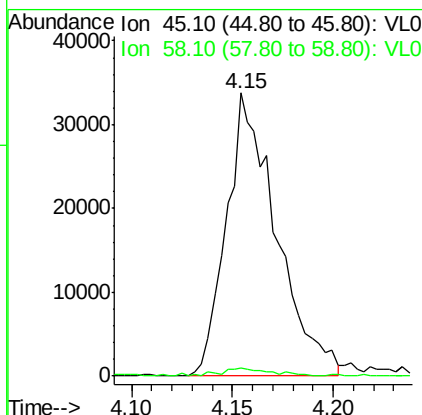
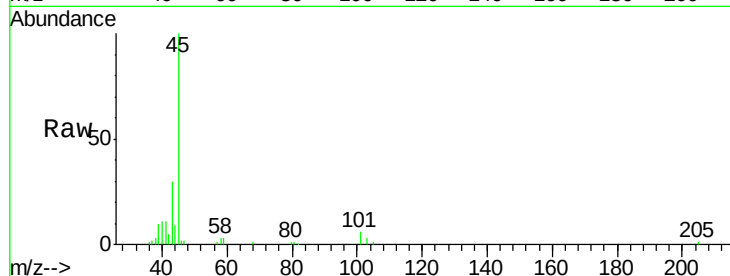
#19
Isopropyl Alcohol
Concen: 0.40 ppbv
RT: 4.15 min Scan# 954
Delta R.T. 0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 58555
Ion Ratio Lower Upper
45 100
58 3.3 1.0 1.4#

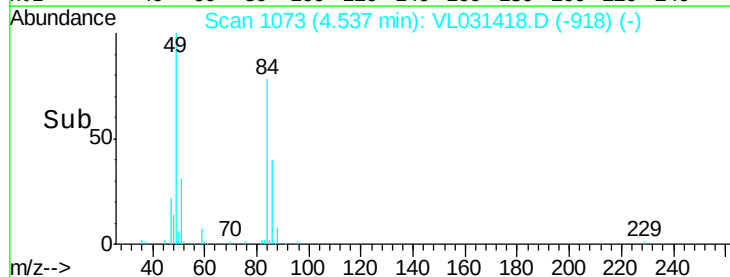
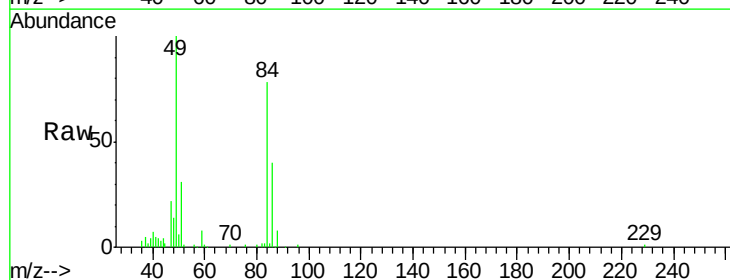
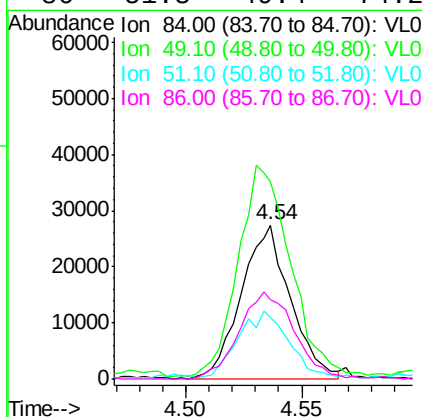
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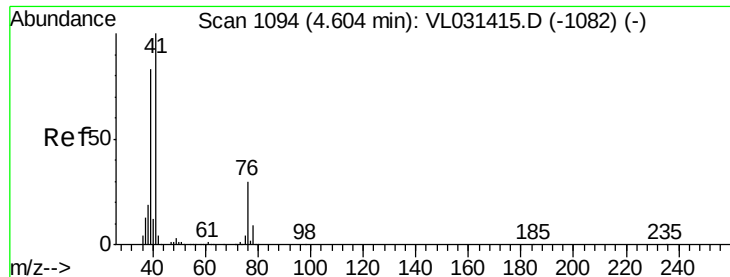
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#20
Methylene Chloride
Concen: 0.53 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion: 84 Resp: 40491
Ion Ratio Lower Upper
84 100
49 125.9 123.4 185.0
51 38.1 35.6 53.4
86 51.3 49.4 74.2





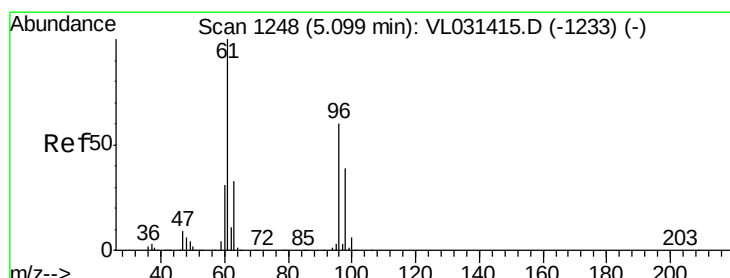
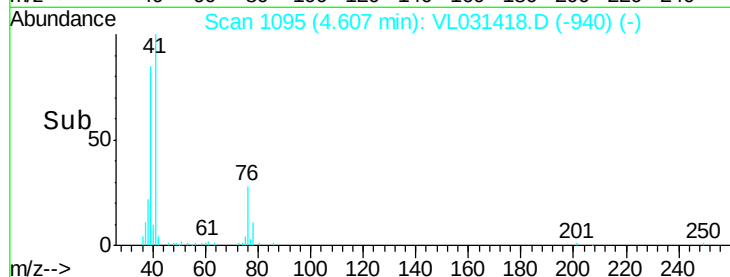
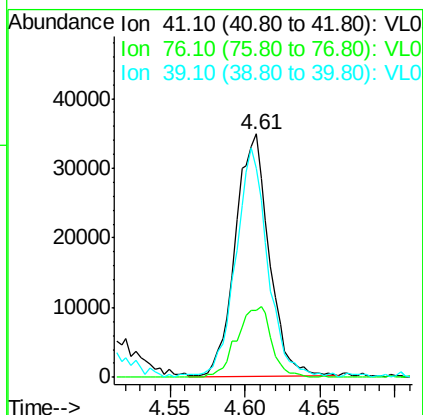
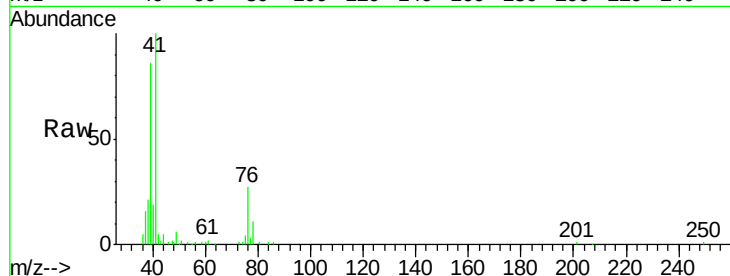
#21
Allvl Chloride
Concen: 0.48 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.2	36.2
39	91.7	69.8	104.8

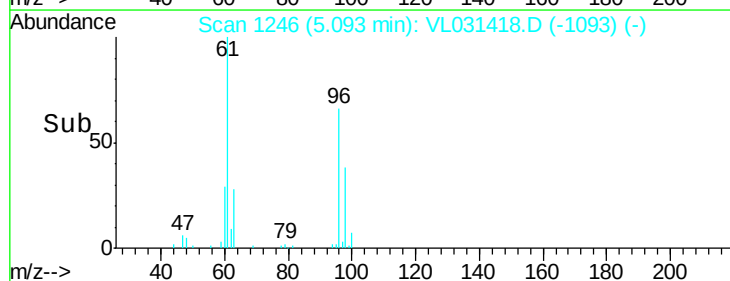
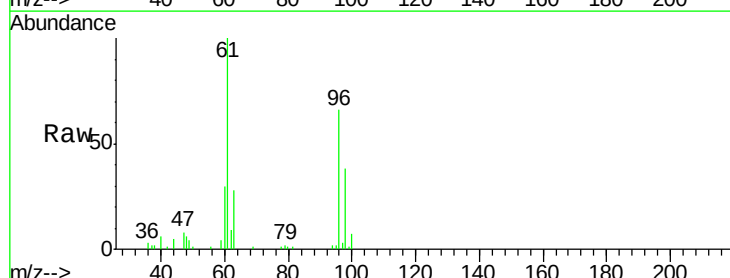
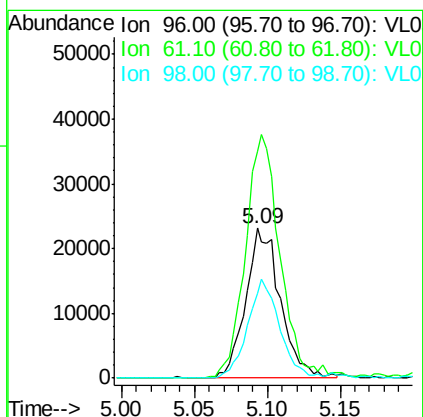
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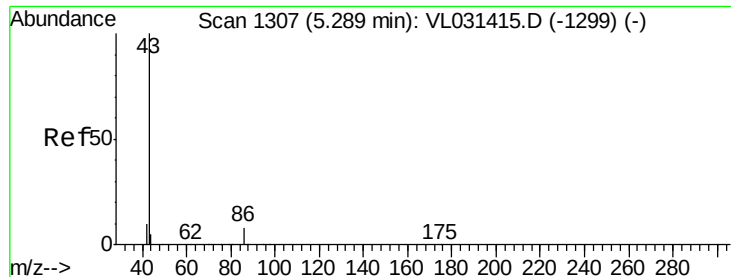
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#22
trans-1,2-Dichloroethene
Concen: 0.49 ppbv m
RT: 5.09 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	135.0	202.4
98	56.8	52.2	78.2





#23

Vinyl Acetate

Concen: 0.47 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

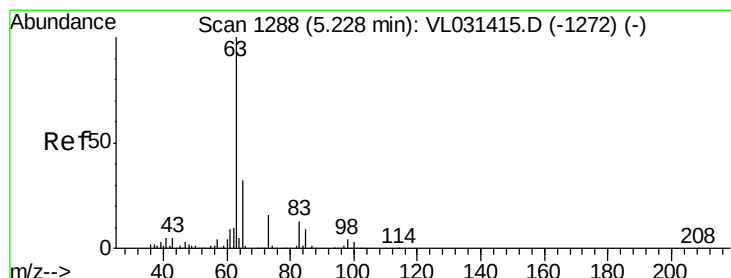
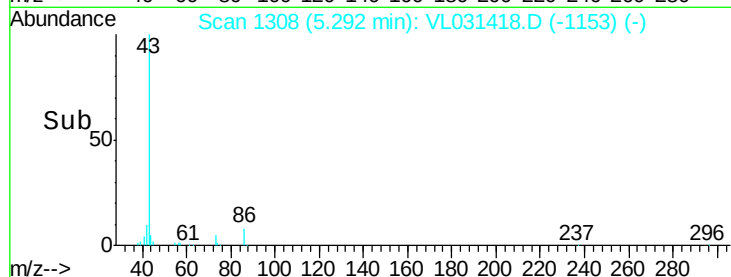
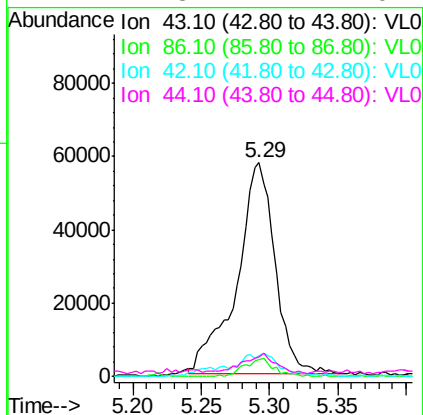
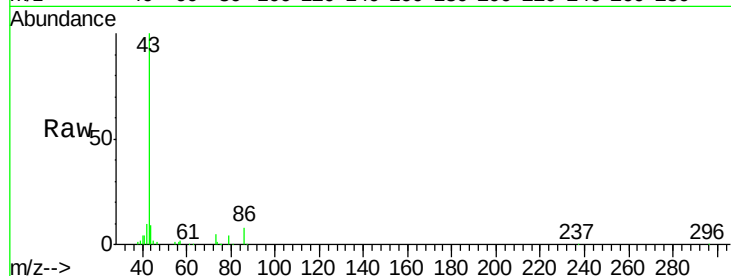
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	113628
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.6	8.4
42	9.6	8.6	12.8
44	7.3	4.2	6.4

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#24

1,1-Dichloroethane

Concen: 0.48 ppbv

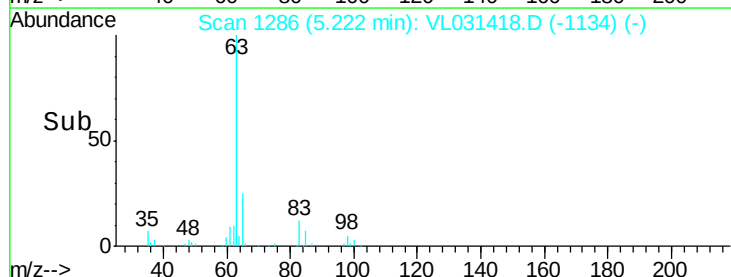
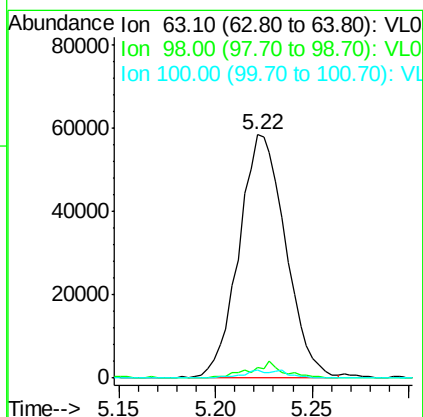
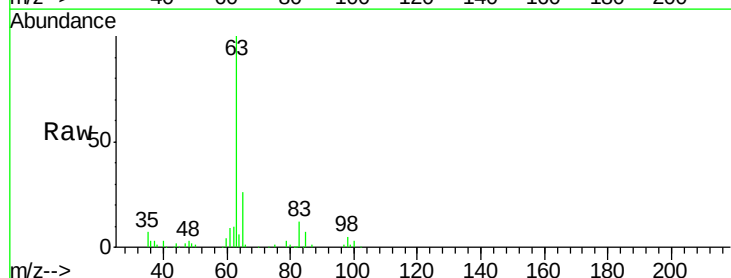
RT: 5.22 min Scan# 1286

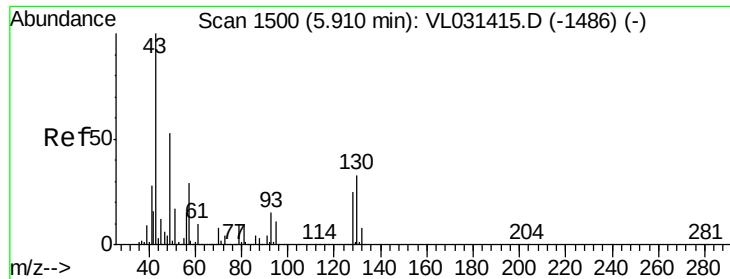
Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion:	63	Resp:	97954
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	3.3	1.3	3.9





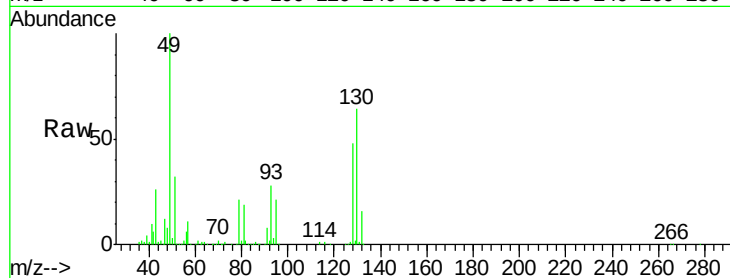
#25
Ethyl Acetate
Concen: 0.44 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

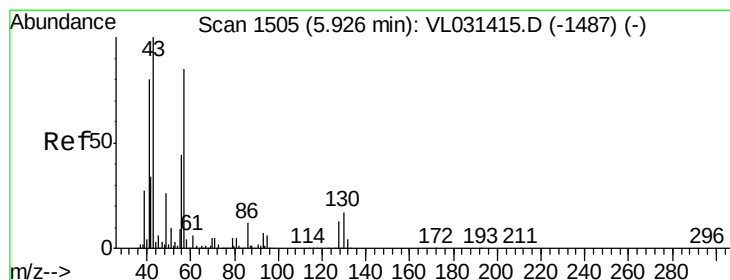
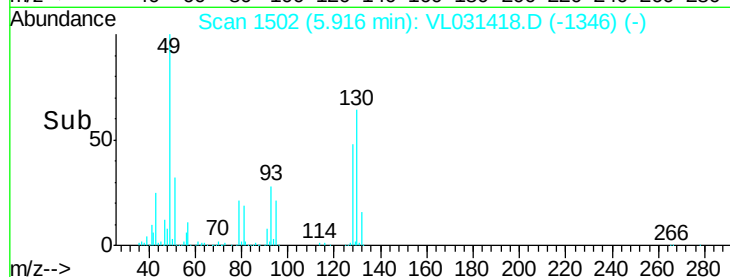
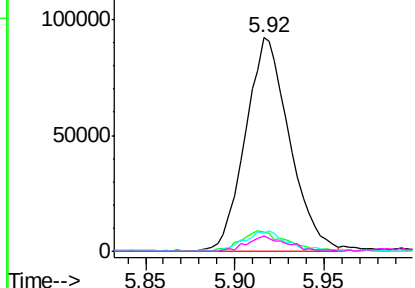
Tot Ion	43	Resp	158618
Ion Ratio	Lower	Upper	
43	100		
45	10.3	7.8	11.6
61	9.6	7.0	10.6
70	6.4	5.4	8.0

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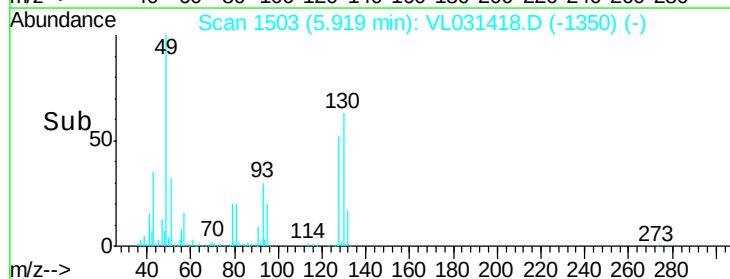
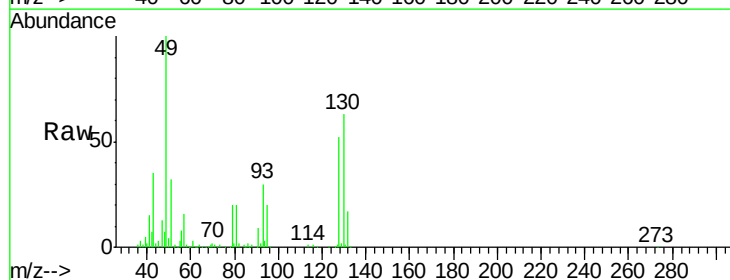
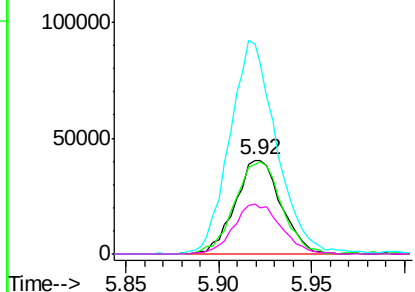
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

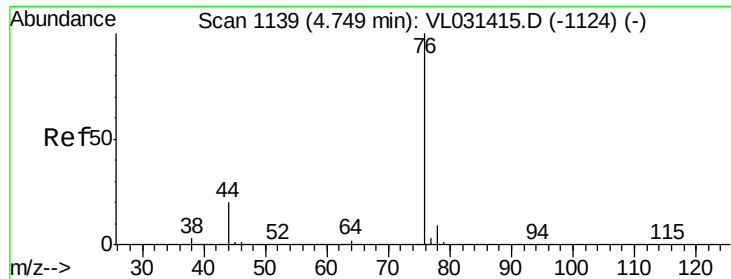


#26
Hexane
Concen: 0.46 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	57	Resp	68812
Ion Ratio	Lower	Upper	
57	100		
41	102.8	77.1	115.7
43	237.4	180.7	271.1
56	55.5	42.2	63.2

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





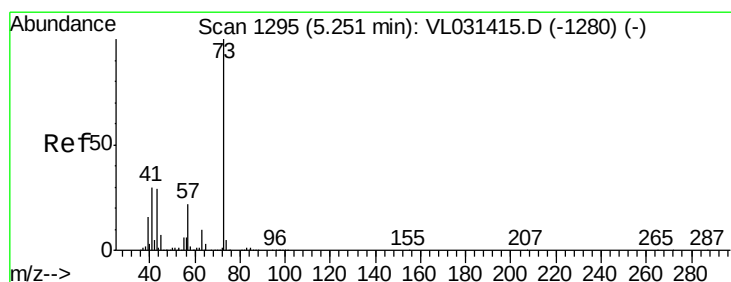
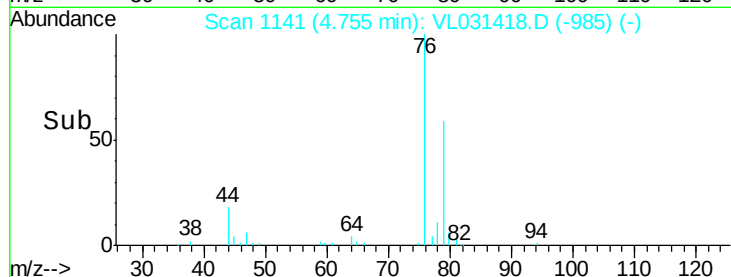
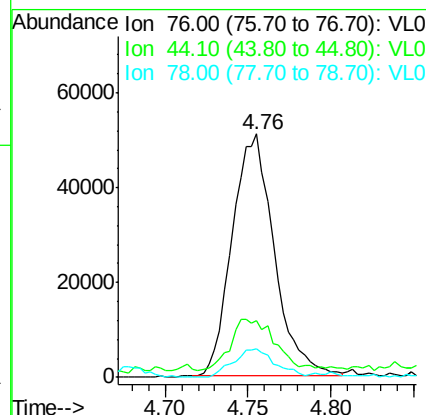
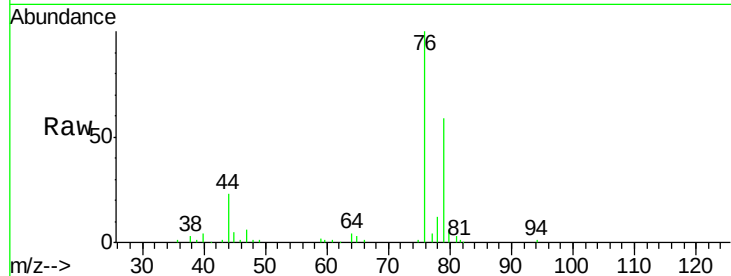
#27
 Carbon Disulfide
 Concen: 0.45 ppbv
 RT: 4.76 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	28.8	16.7	25.1#
78	13.5	7.5	11.3#

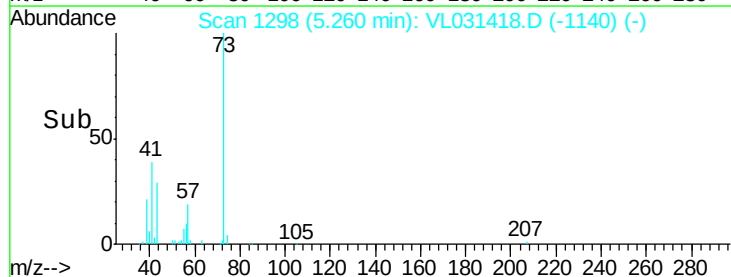
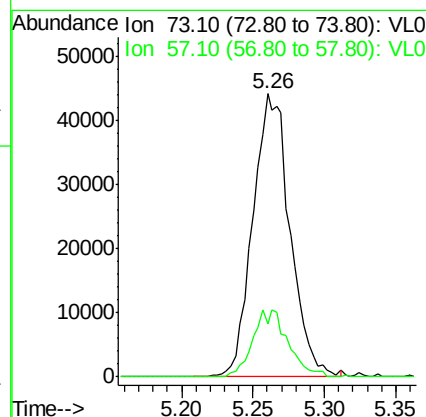
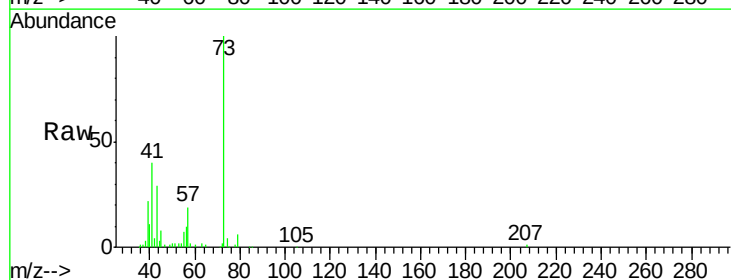
Manual Integrations
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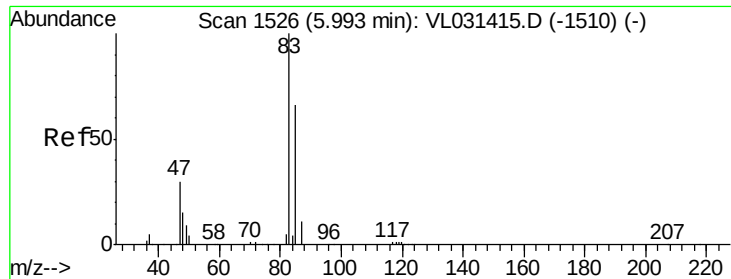
MMDadoda
 1/24/2018 5:10:12 PM



#28
 Methyl tert-Butyl Ether
 Concen: 0.43 ppbv m
 RT: 5.26 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	26.3#





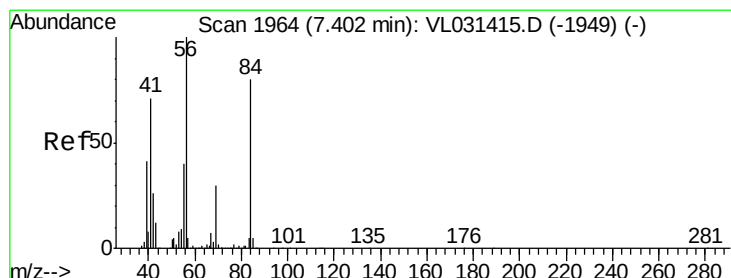
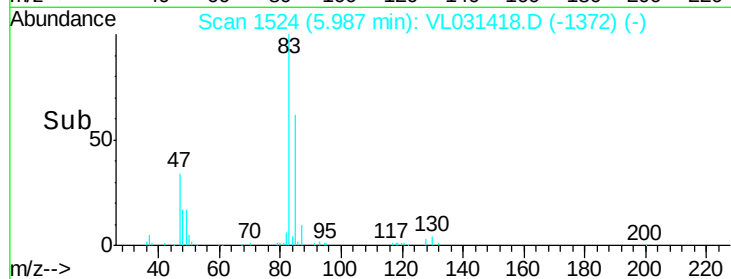
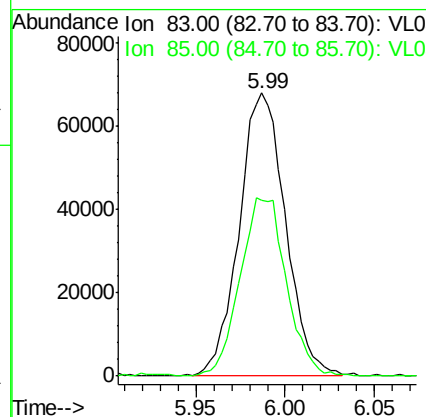
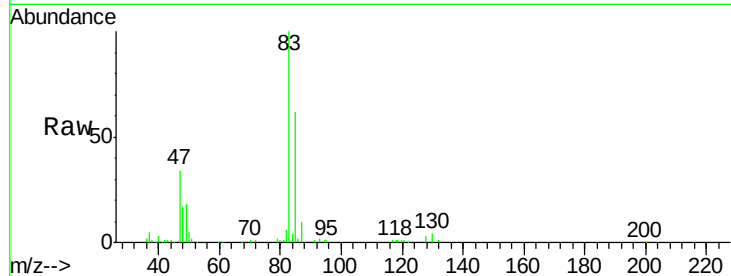
#29
Chloroform
Concen: 0.47 ppbv
RT: 5.99 min Scan# 1524
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	121697
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.3	76.9

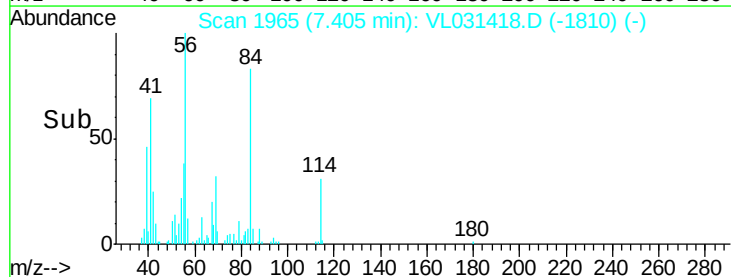
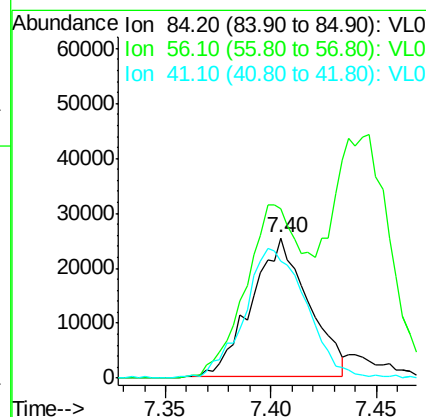
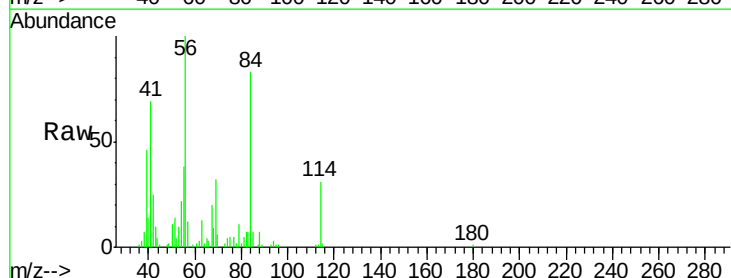
Manual Integrations
APPROVED

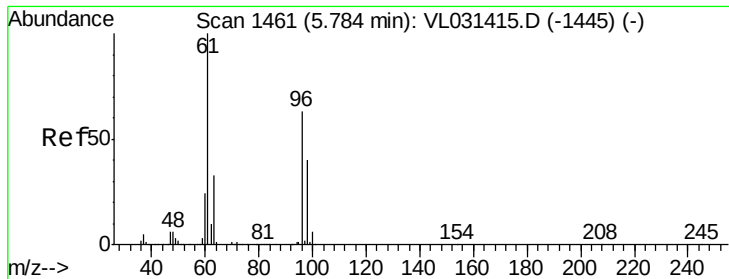
MMDadoda
1/24/2018 5:10:12 PM



#30
Cyclohexane
Concen: 0.39 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	84	Resp	47022
Ion Ratio	Lower	Upper	
84	100		
56	113.7	109.0	163.4
41	103.0	73.3	109.9





#31

cis-1,2-Dichloroethene

Concen: 0.42 ppbv

RT: 5.78 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

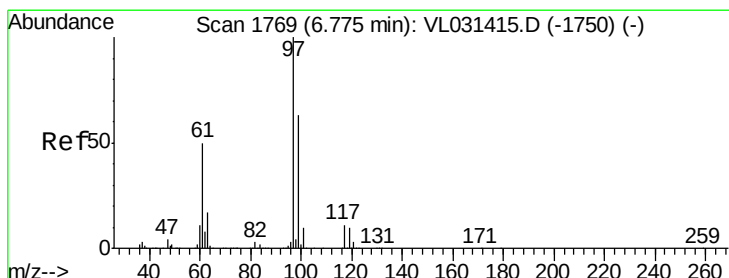
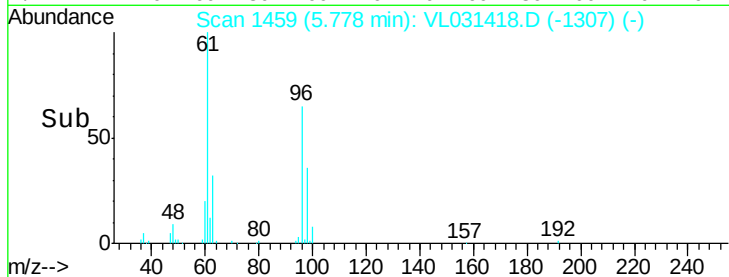
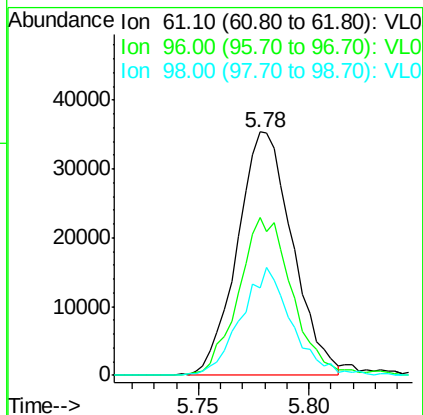
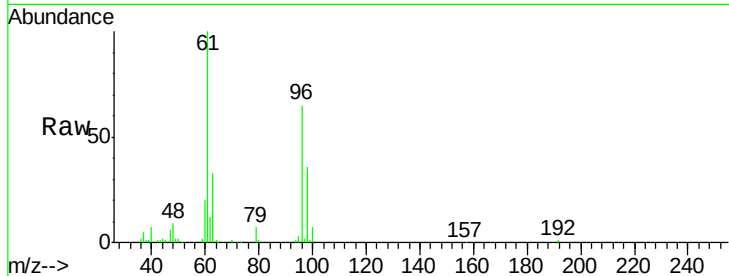
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	61446
Ion Ratio	Lower	Upper	
61	100		
96	63.9	51.3	76.9
98	35.7	33.6	50.4

Manual Integrations
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MMDadoda
1/24/2018 5:10:12 PM



#32

1,1,1-Trichloroethane

Concen: 0.45 ppbv

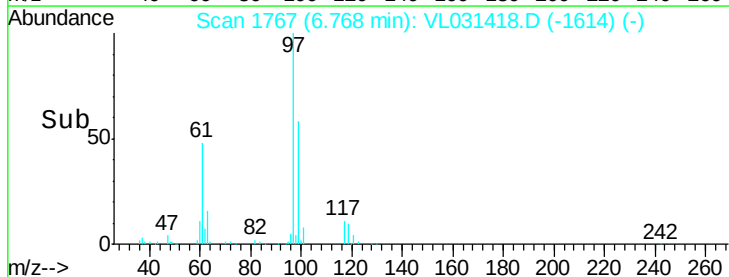
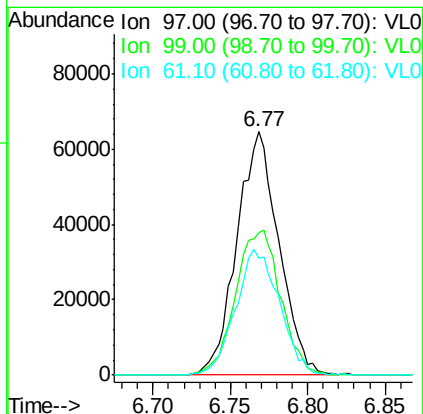
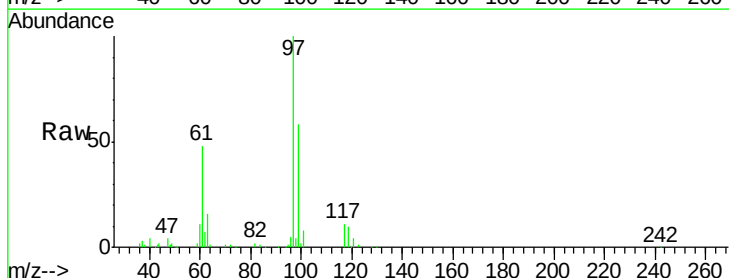
RT: 6.77 min Scan# 1767

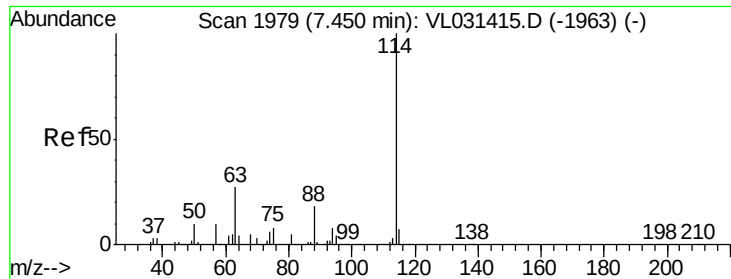
Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion:	97	Resp:	122259
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.9	77.9
61	54.0	40.6	61.0





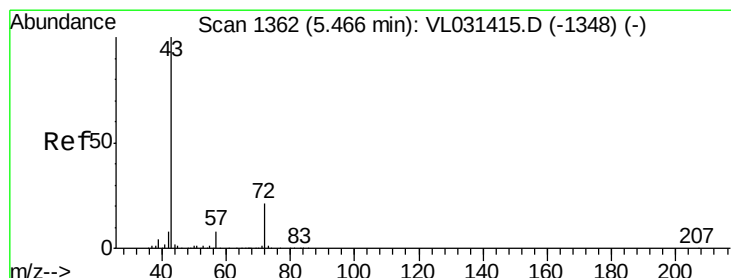
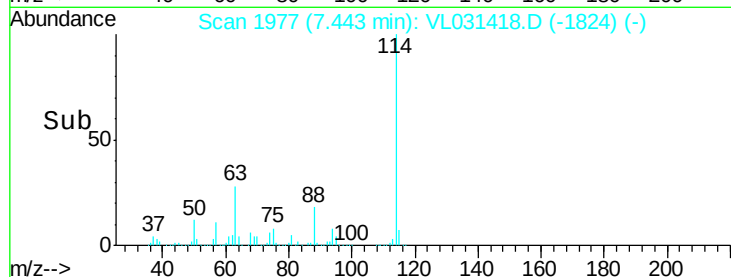
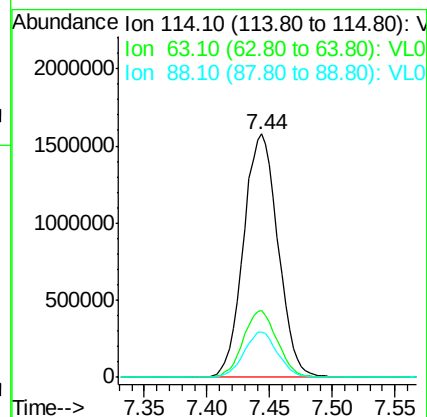
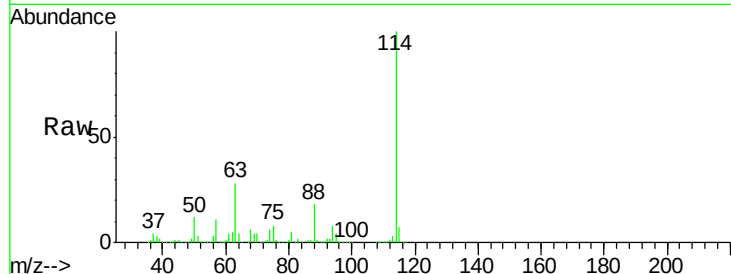
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 3013476
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.5 33.7
 88 18.2 14.6 22.0

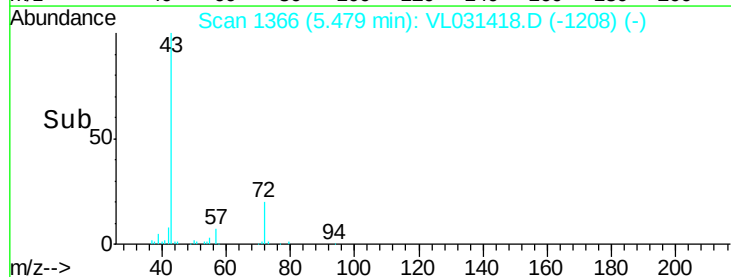
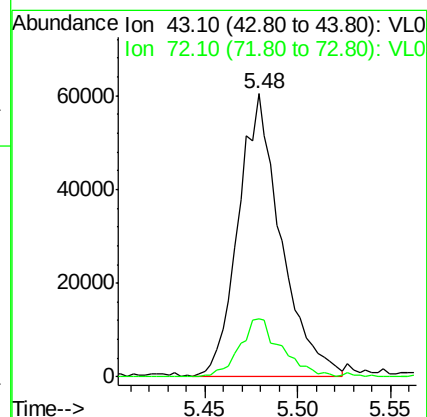
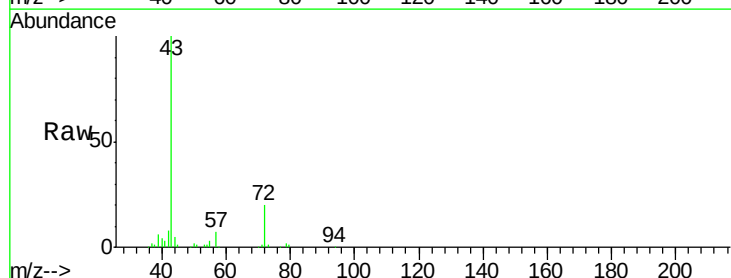
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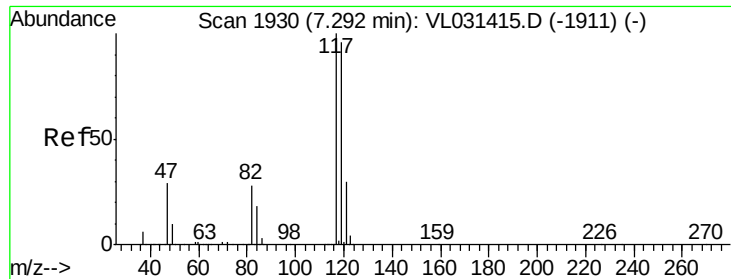
MMDadoda
 1/24/2018 5:10:12 PM



#34
 2-Butanone
 Concen: 0.39 ppbv
 RT: 5.48 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion: 43 Resp: 97018
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.8 25.2





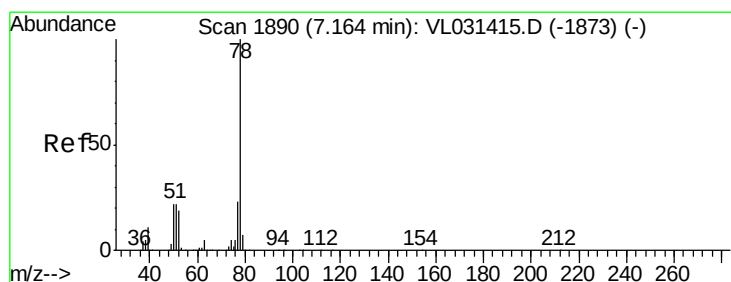
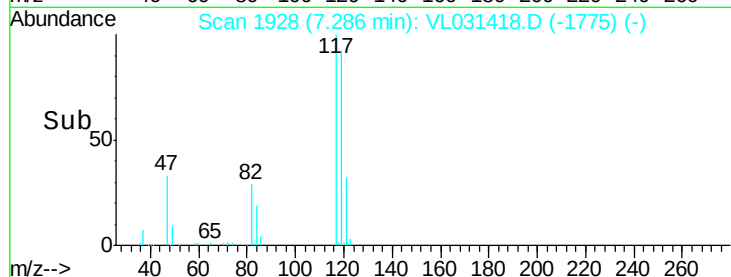
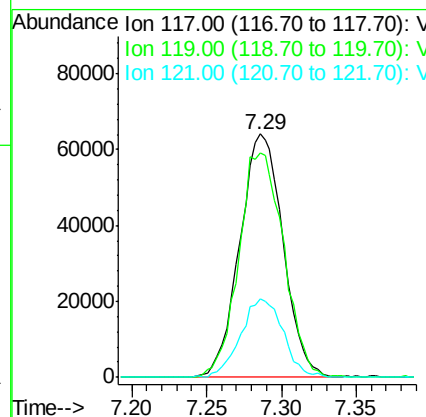
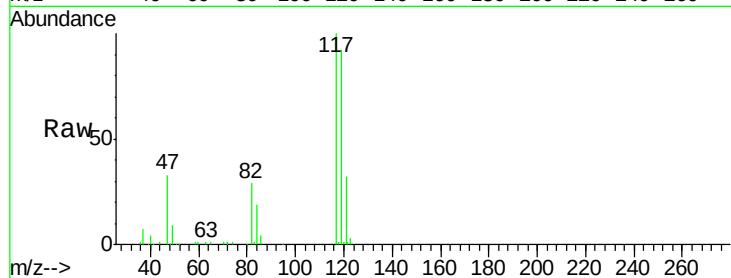
#35
Carbon Tetrachloride
Concen: 0.45 ppbv
RT: 7.29 min Scan# 1928
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.2	111.4
121	32.1	24.2	36.4

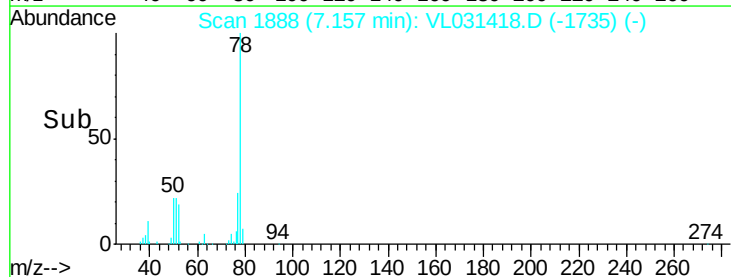
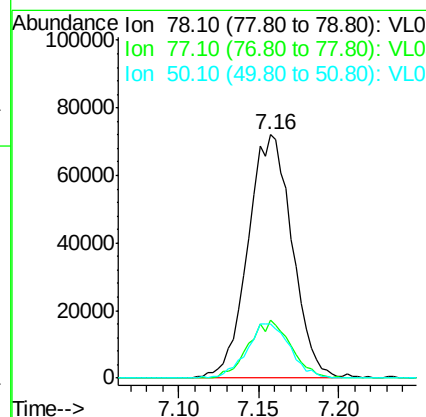
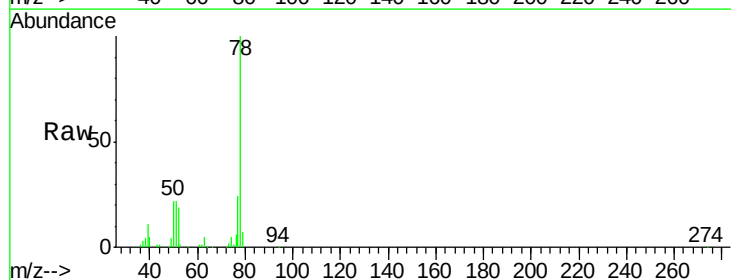
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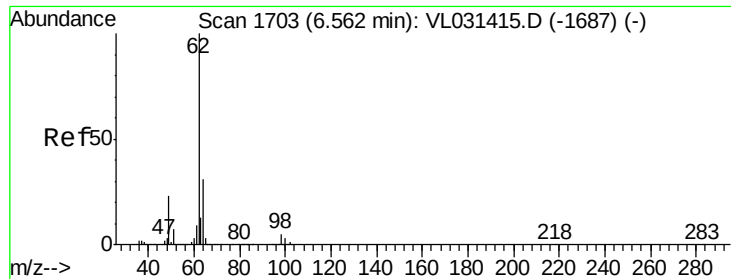
MMDadoda
1/24/2018 5:10:12 PM



#36
Benzene
Concen: 0.44 ppbv
RT: 7.16 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1
50	22.0	18.4	27.6





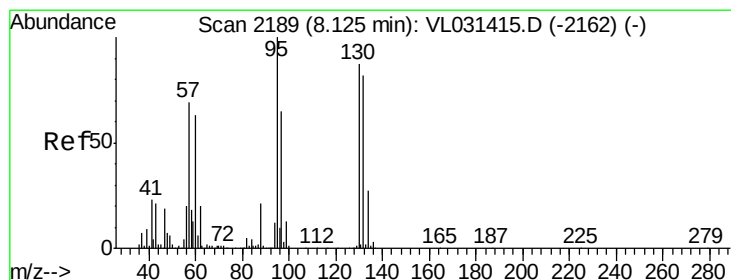
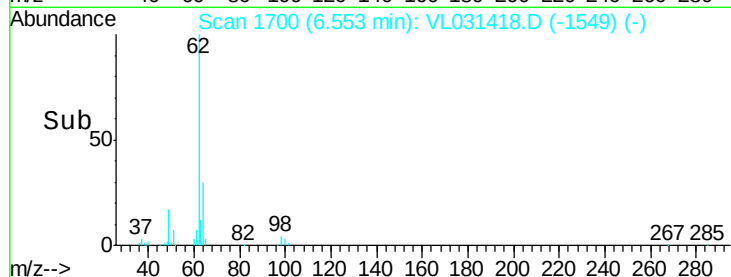
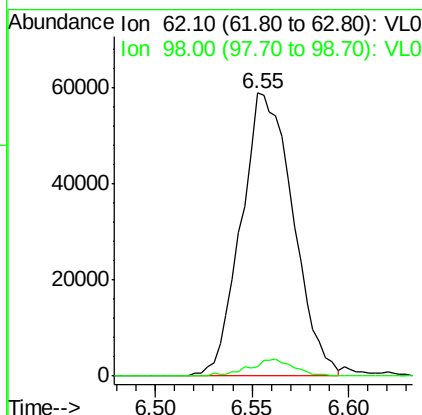
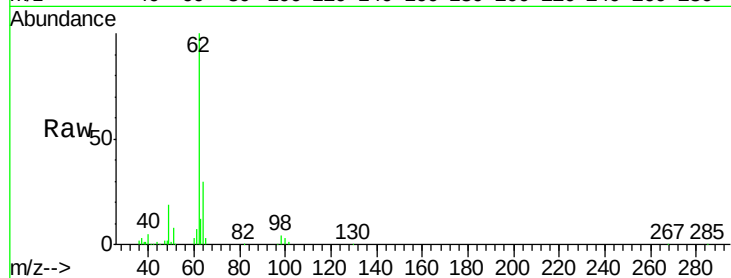
#37
 1,2-Dichloroethane
 Concen: 0.48 ppbv
 RT: 6.55 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.1	6.1

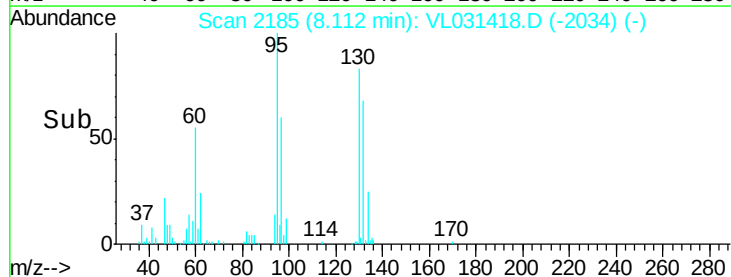
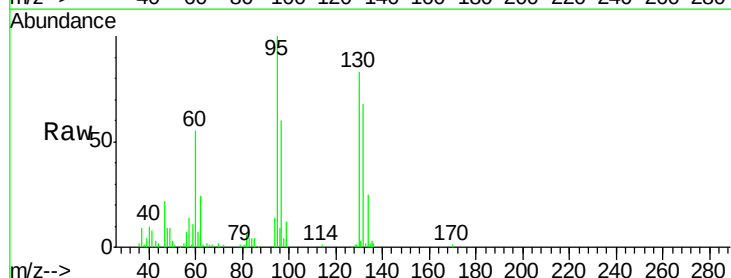
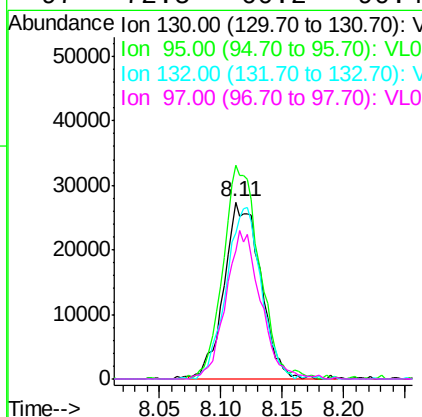
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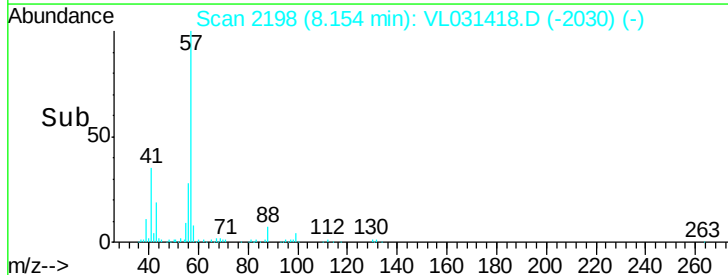
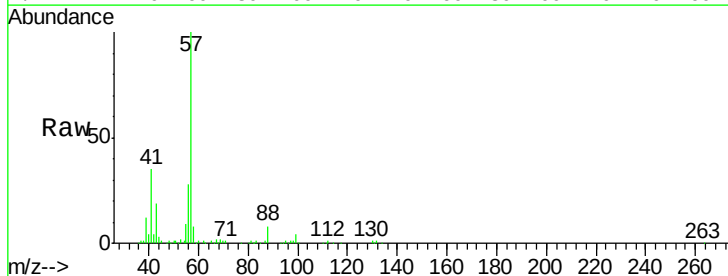
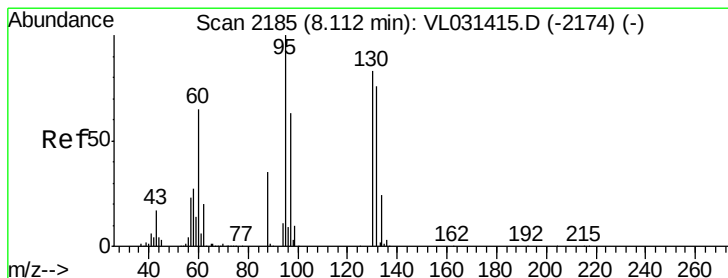
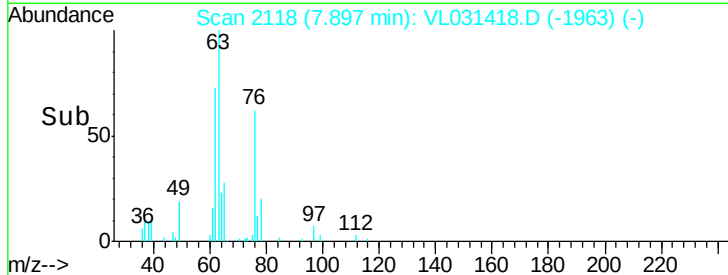
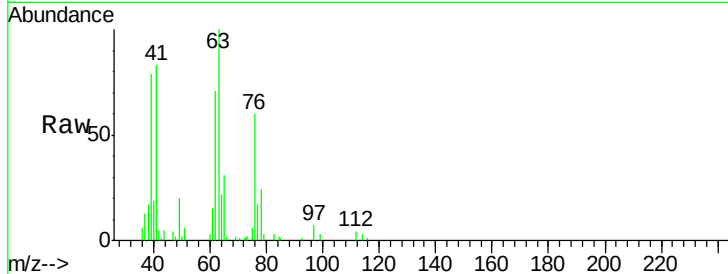
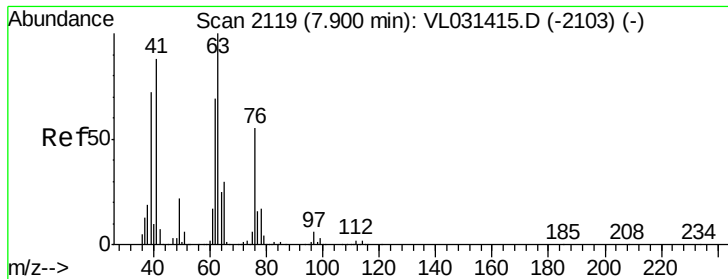
MMDadoda
 1/24/2018 5:10:12 PM



#38
 Trichloroethene
 Concen: 0.44 ppbv m
 RT: 8.11 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.7	92.9	139.3
132	82.2	74.9	112.3
97	72.5	60.2	90.4





#39

1,2-Dichloropropane

Concen: 0.46 ppbv m

RT: 7.90 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tot Ion:	63	Resp:	52744
Ion	Ratio	Lower	Upper
63	100		
41	82.7	67.6	101.4
62	70.8	51.8	77.6

Instrument :

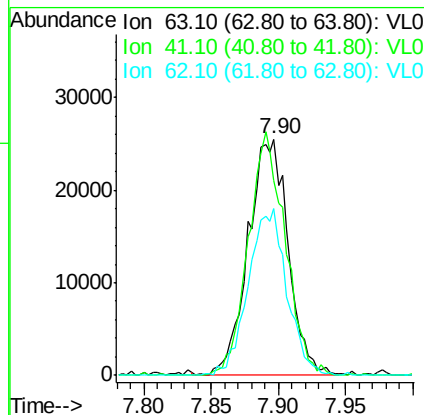
MSVOA_L

ClientSampleId :

VSTDIC0.5

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1/24/2018 5:10:12 PM



#40

1,4-Dioxane

Concen: 0.40 ppbv m

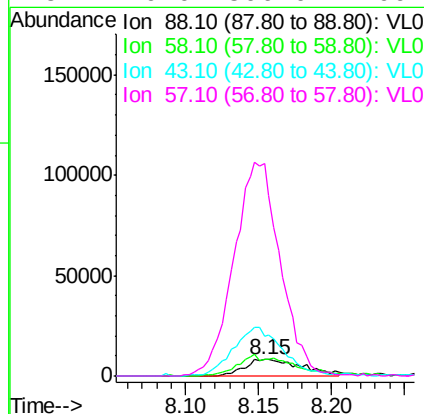
RT: 8.15 min Scan# 2198

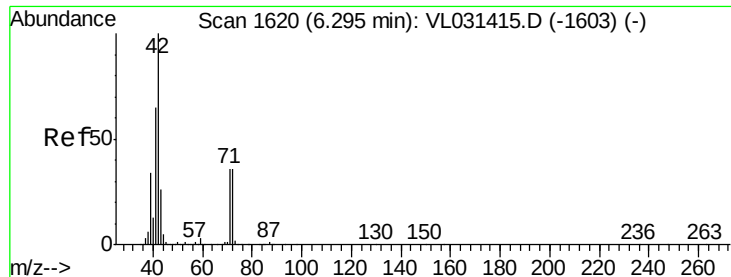
Delta R.T. 0.04 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion:	88	Resp:	22964
Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.2	147.2#
43	0.0	197.3	295.9#
57	0.0	806.0	1209.0#





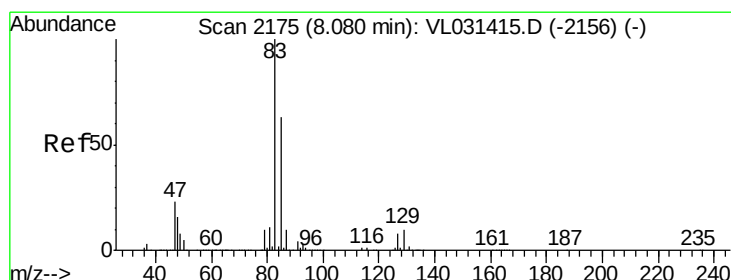
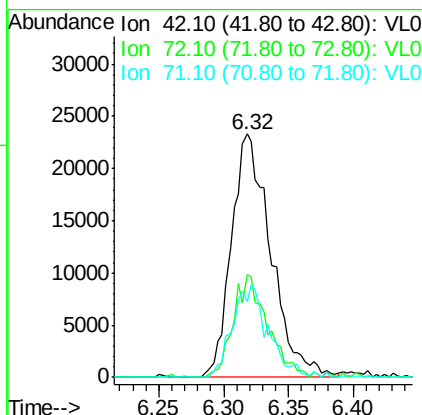
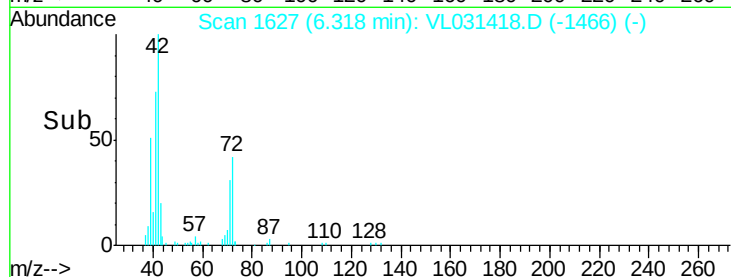
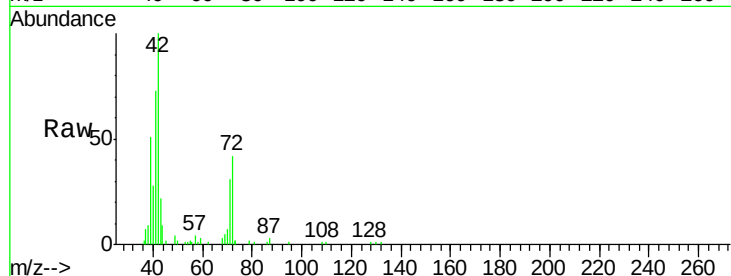
#41
Tetrahydrofuran
Concen: 0.38 ppbv m
RT: 6.32 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.4	45.6
71	34.7	29.2	43.8

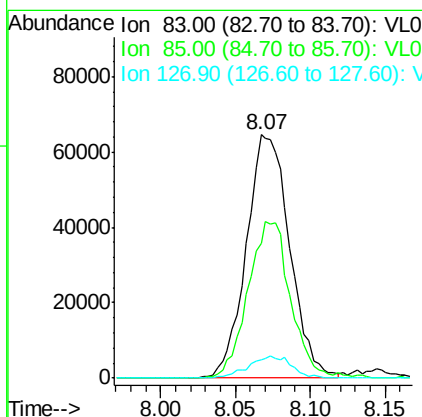
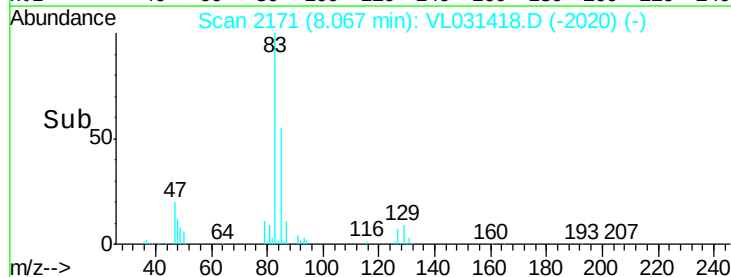
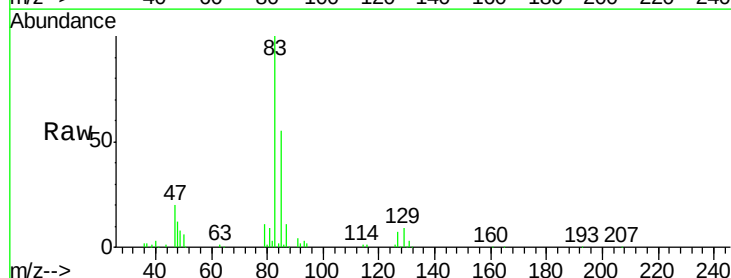
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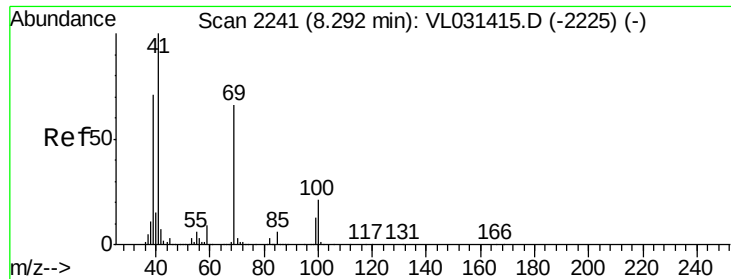
MMDadoda
1/24/2018 5:10:12 PM



#42
Bromodichloromethane
Concen: 0.46 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	52.1	78.1
127	7.3	6.6	10.0





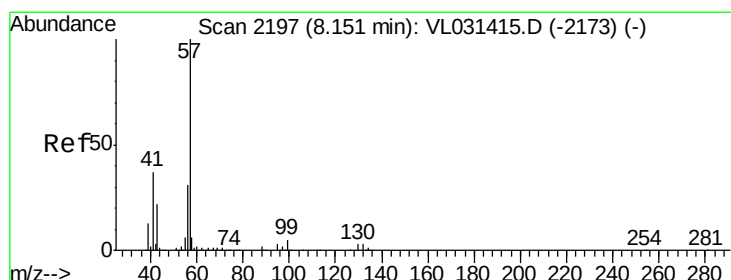
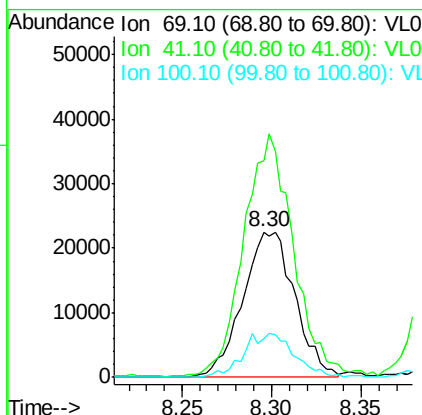
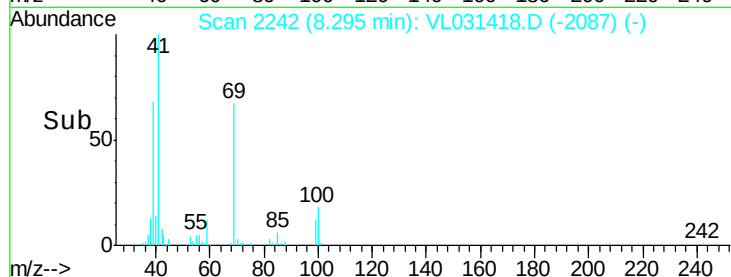
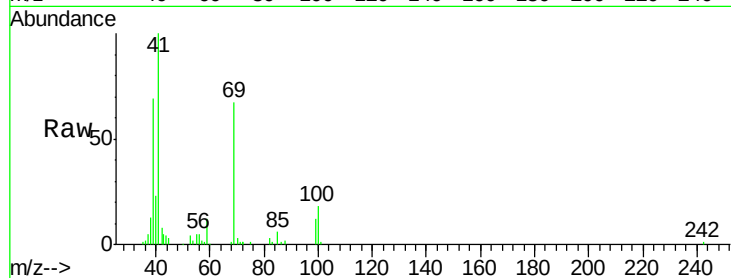
#43
Methvl Methacrylate
Concen: 0.39 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	161.8	127.0	190.6	
100	29.8	24.6	37.0	

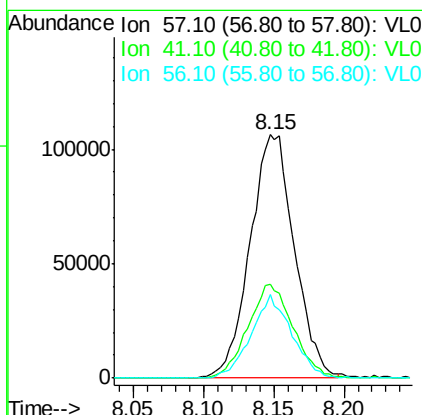
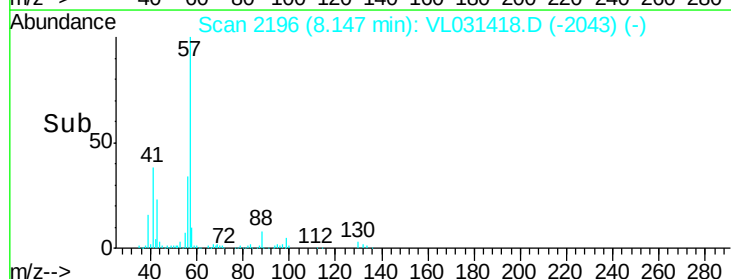
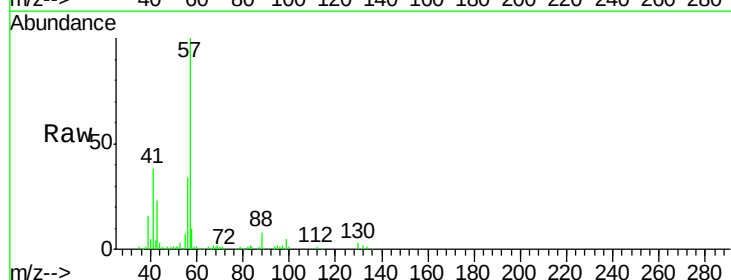
Manual Integrations
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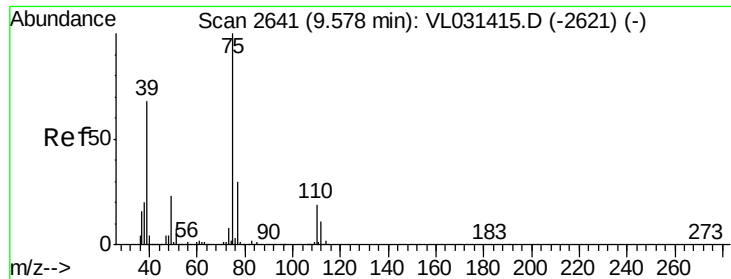
MMDadoda
1/24/2018 5:10:12 PM



#44
2,2,4-Trimethylpentane
Concen: 0.45 ppbv
RT: 8.15 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.3	28.8	43.2	
56	31.4	24.6	37.0	





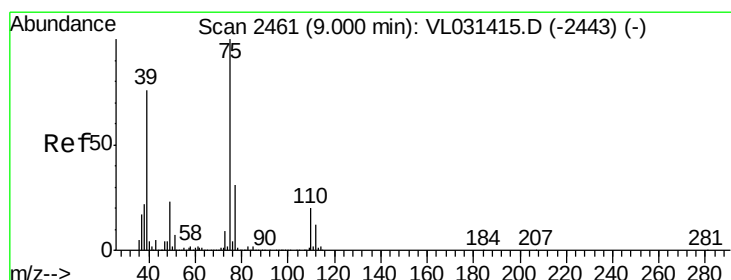
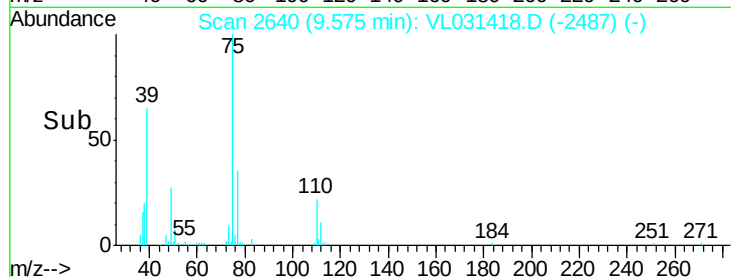
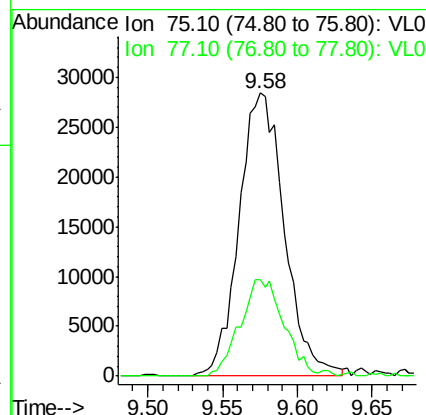
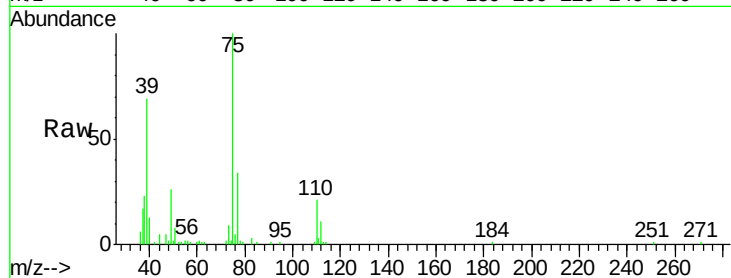
#45
 t-1,3-Dichloropropene
 Concen: 0.37 ppbv
 RT: 9.58 min Scan# 2640
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 75 Resp: 59774
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.3 37.9

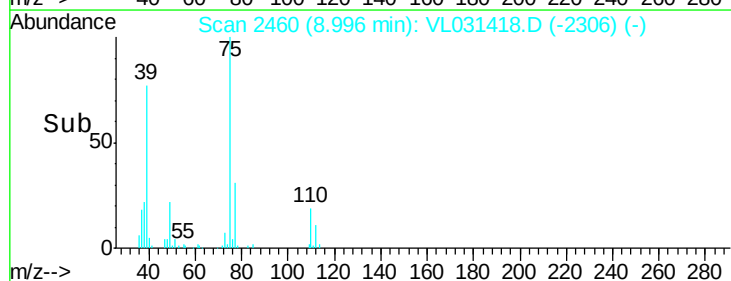
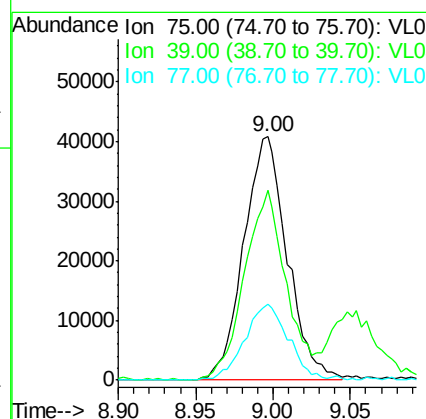
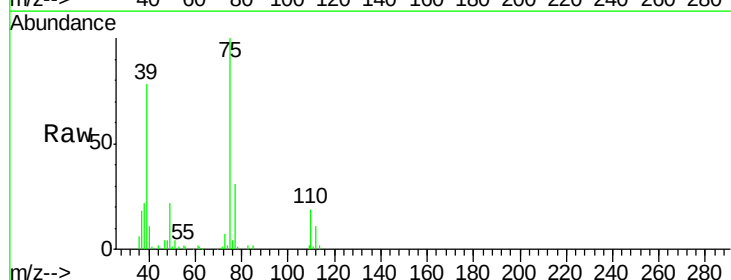
Manual Integrations
 APPROVED

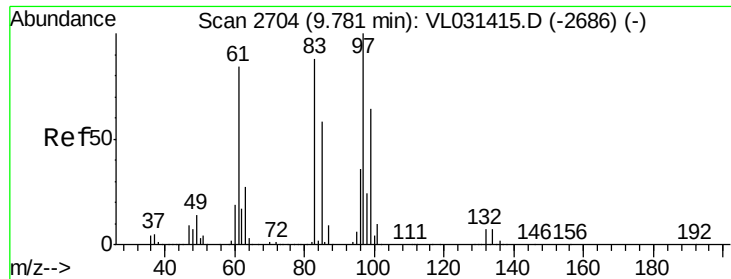
MMDadoda
 1/24/2018 5:10:12 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.40 ppbv
 RT: 9.00 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion: 75 Resp: 79840
 Ion Ratio Lower Upper
 75 100
 39 77.8 59.4 89.0
 77 31.2 25.0 37.4





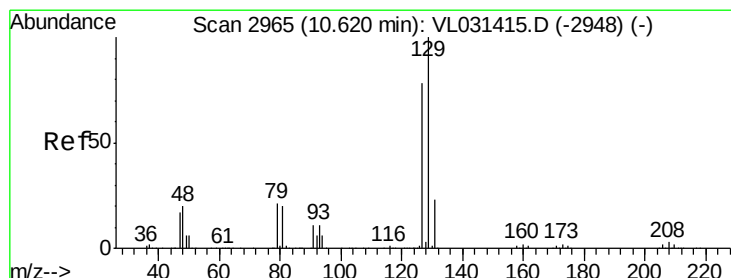
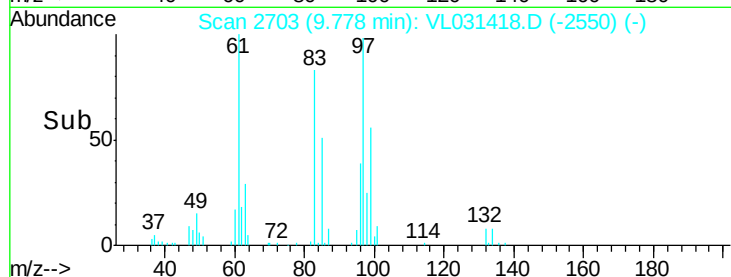
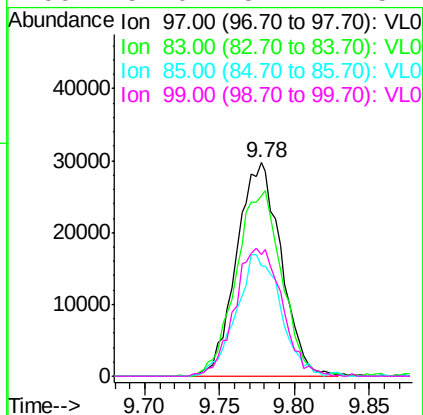
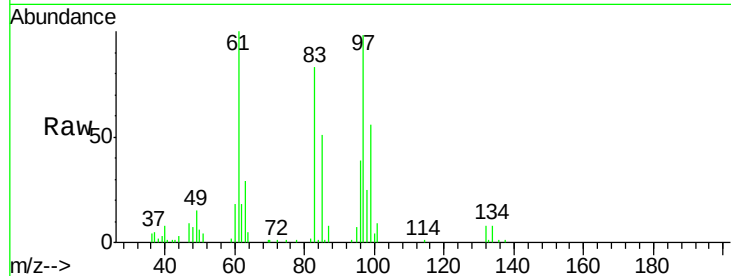
#47
 1,1,2-Trichloroethane
 Concen: 0.45 ppbv
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.7	71.4	107.2	
85	51.6	46.2	69.2	
99	57.0	52.2	78.2	

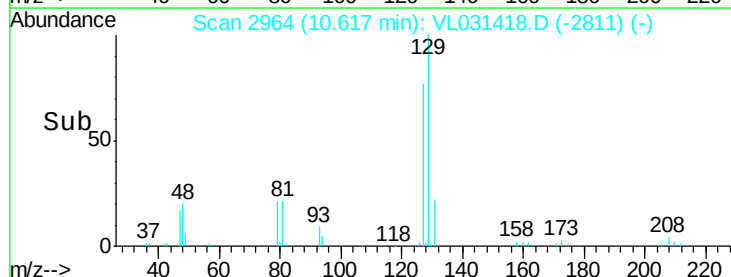
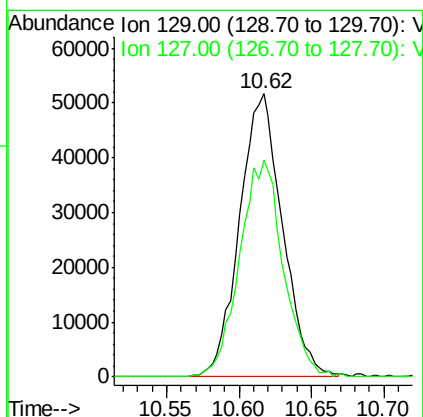
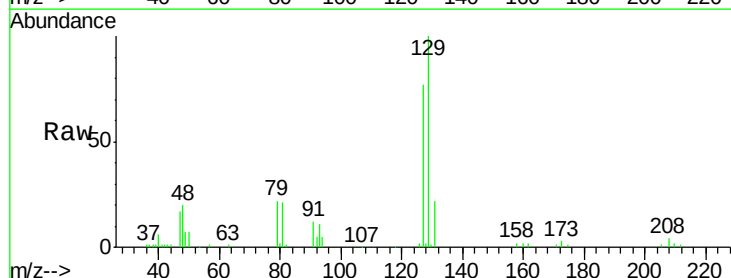
Manual Integrations
 APPROVED

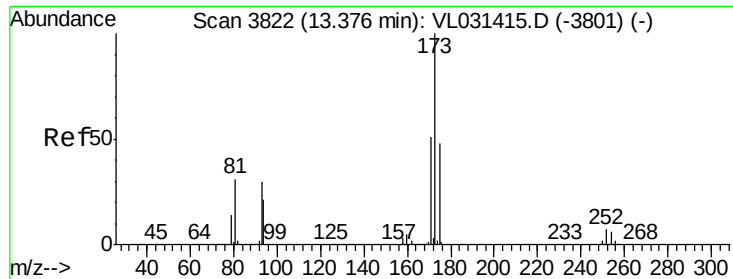
MMDadoda
 1/24/2018 5:10:12 PM



#48
 Dibromochloromethane
 Concen: 0.44 ppbv
 RT: 10.62 min Scan# 2964
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.8	39.4	118.1	





#49

Bromoform

Concen: 0.43 ppbv m

RT: 13.37 min Scan# 3821

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

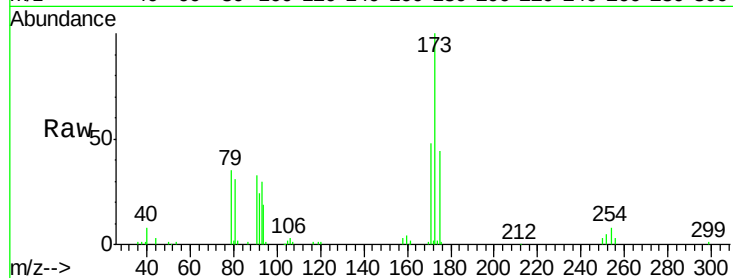
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	80590
Ion Ratio	Lower	Upper	
173	100		
175	48.0	39.0	58.4
171	0.0	42.0	63.0#

Manual Integrations
APPROVED

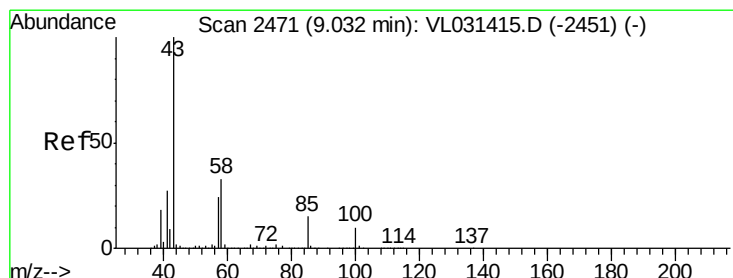
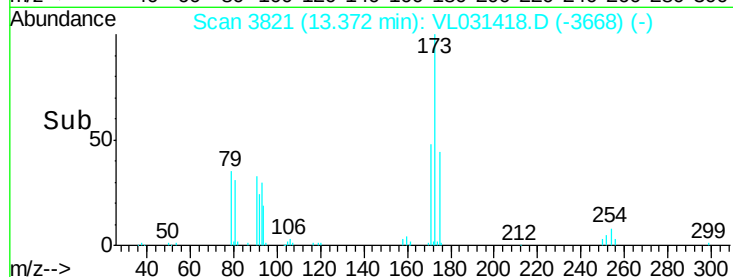
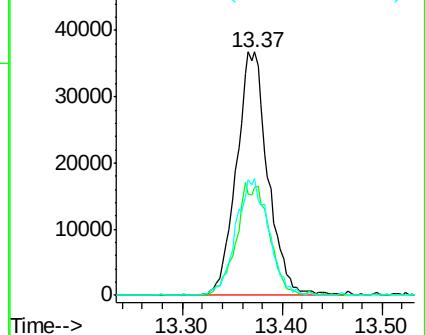
MMDadoda
1/24/2018 5:10:12 PM



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: 0.36 ppbv

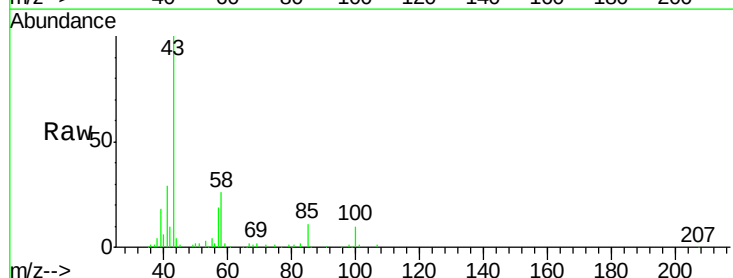
RT: 9.05 min Scan# 2477

Delta R.T. 0.02 min

Lab File: VL031418.D

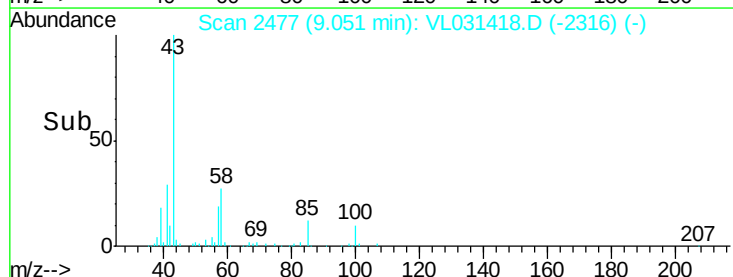
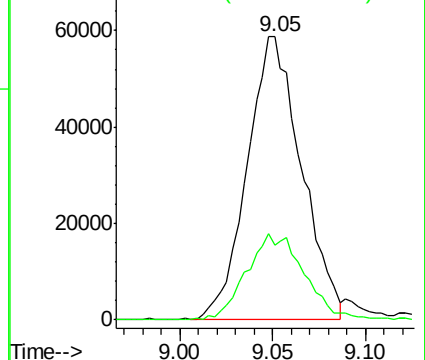
Acq: 22 Jan 2018 15:25

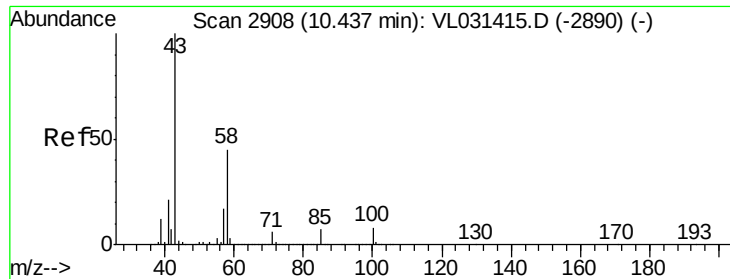
Tgt Ion:	43	Resp:	118888
Ion Ratio	Lower	Upper	
43	100		
58	32.9	27.1	40.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





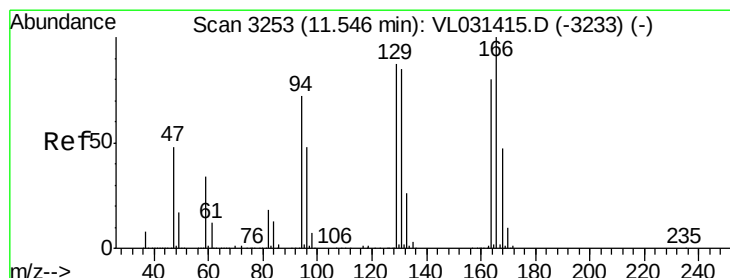
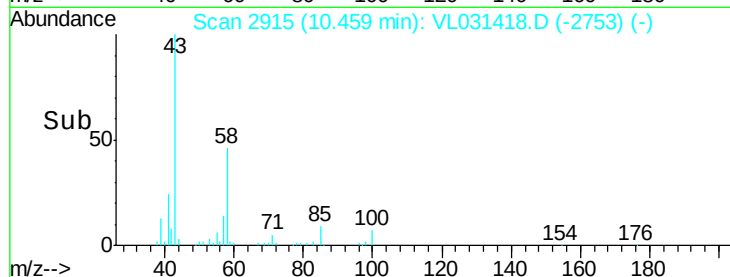
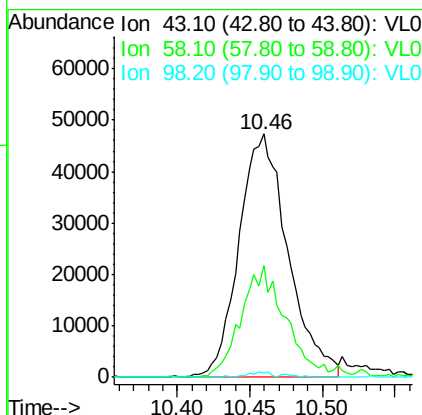
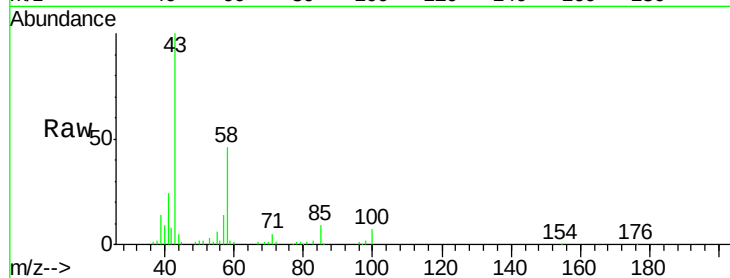
#51
2-Hexanone
Concen: 0.33 ppbv
RT: 10.46 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.8	36.2	54.4
98	1.5	0.1	0.1#

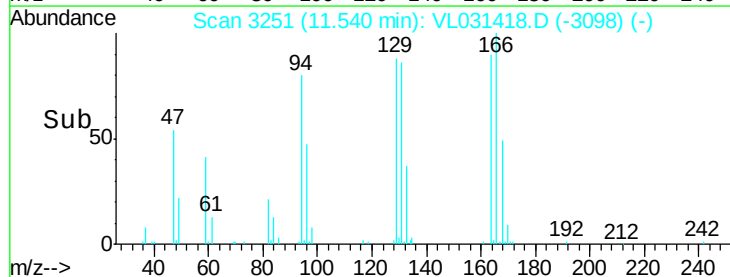
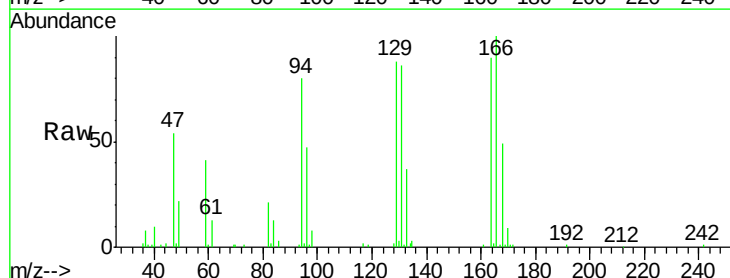
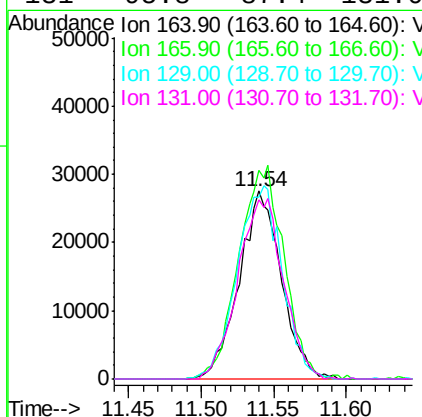
Manual Integrations
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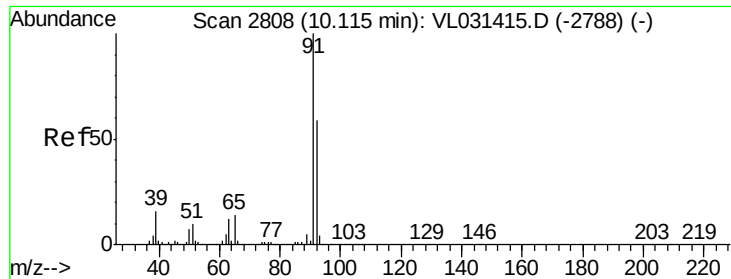
MMDadoda
1/24/2018 5:10:12 PM



#52
Tetrachloroethene
Concen: 0.45 ppbv
RT: 11.54 min Scan# 3251
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.3	100.2	150.2
129	100.1	91.4	137.0
131	95.8	87.4	131.0





#53

Toluene

Concen: 0.40 ppbv

RT: 10.11 min Scan# 2807

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 146794

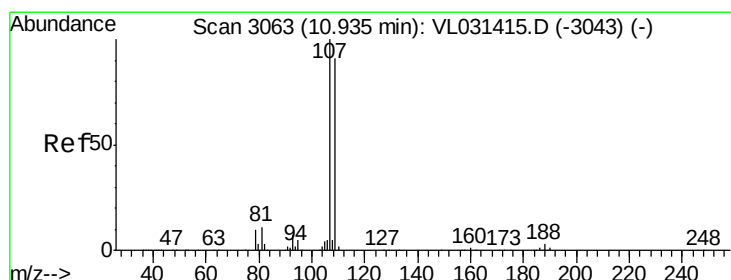
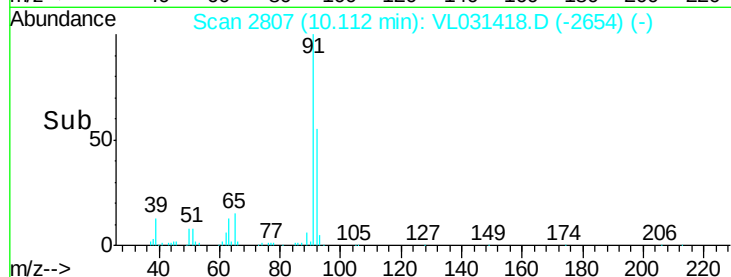
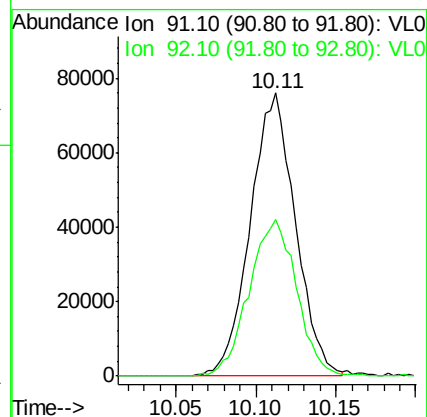
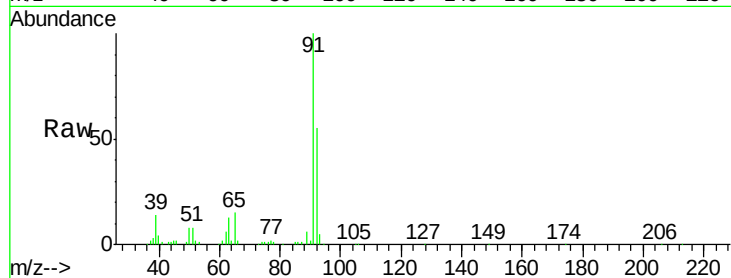
Ion Ratio Lower Upper

91 100

92 58.5 47.8 71.6

Manual Integrations
APPROVED

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1/24/2018 5:10:12 PM



#54

1,2-Dibromoethane

Concen: 0.44 ppbv

RT: 10.93 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VL031418.D

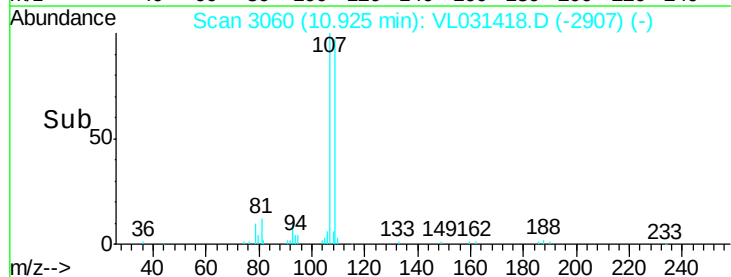
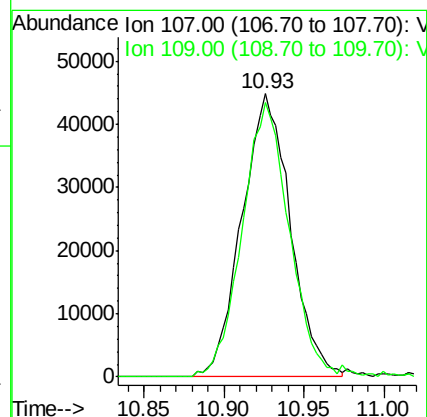
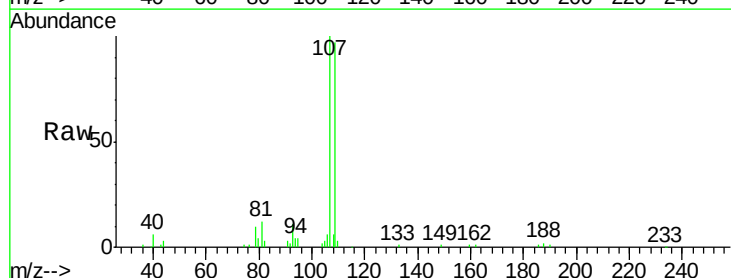
Acq: 22 Jan 2018 15:25

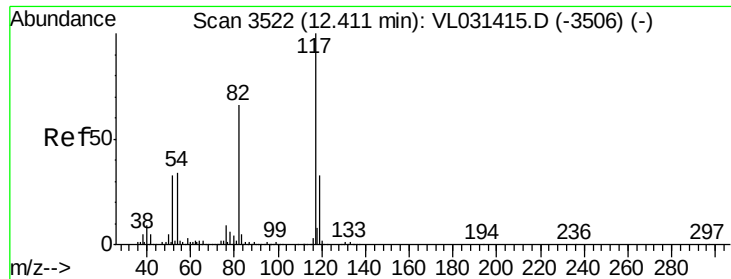
Tgt Ion: 107 Resp: 92917

Ion Ratio Lower Upper

107 100

109 96.7 75.5 113.3





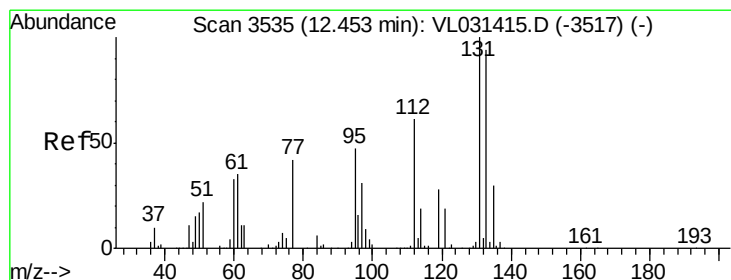
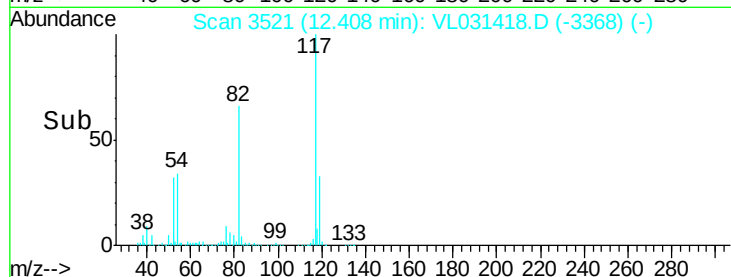
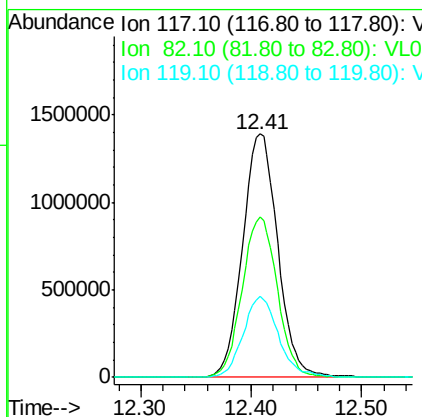
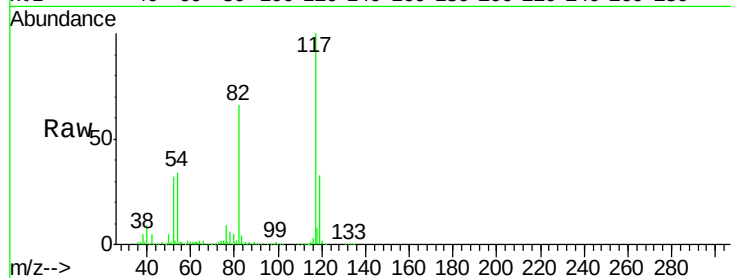
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 3073513
Ion Ratio Lower Upper
117 100
82 66.2 51.8 77.6
119 33.7 24.2 36.2

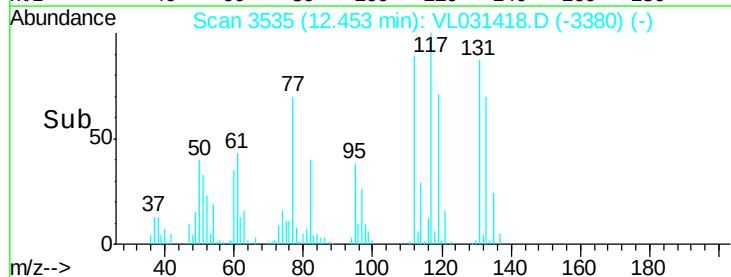
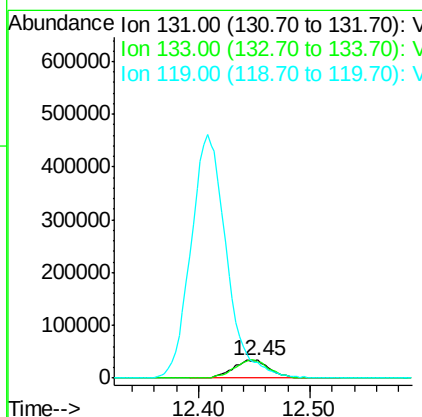
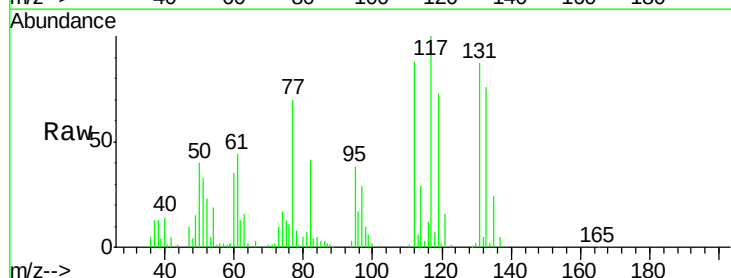
Manual Integrations
APPROVED

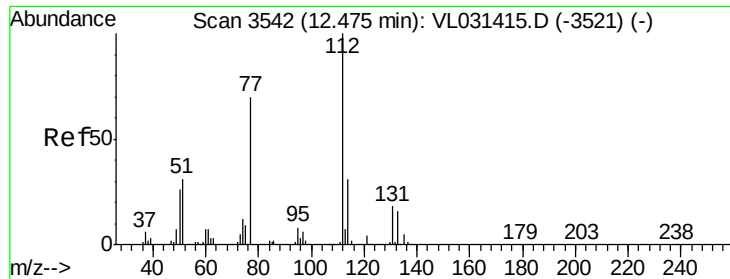
MMDadoda
1/24/2018 5:10:12 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.49 ppbv m
RT: 12.45 min Scan# 3535
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion:131 Resp: 78204
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 0.0 47.7 71.5#





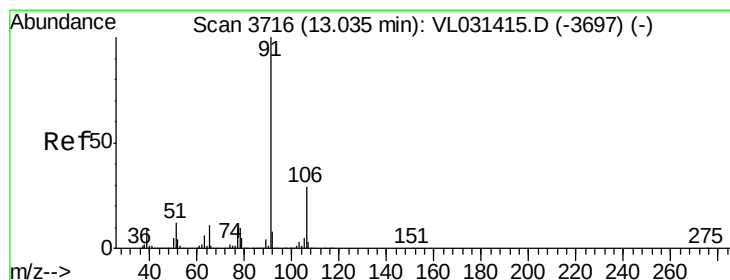
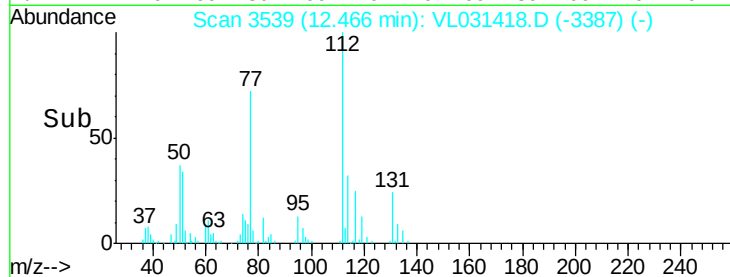
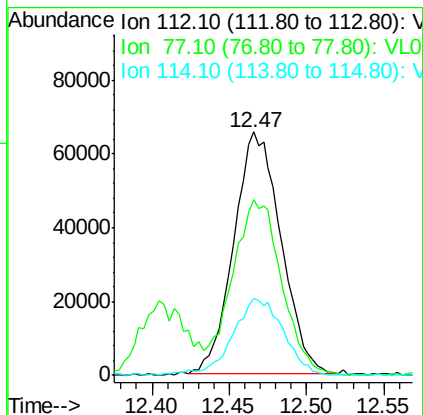
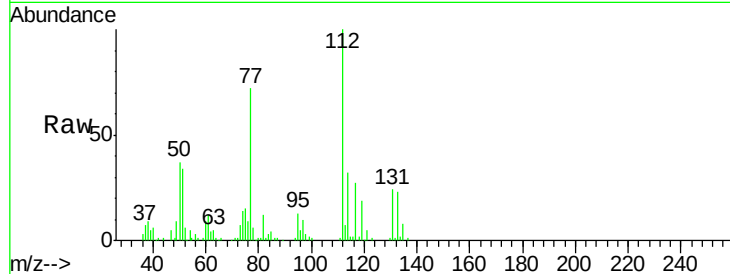
#57
Chlorobenzene
Concen: 0.48 ppbv
RT: 12.47 min Scan# 3539
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.9	56.0	84.0
114	31.8	29.1	35.5

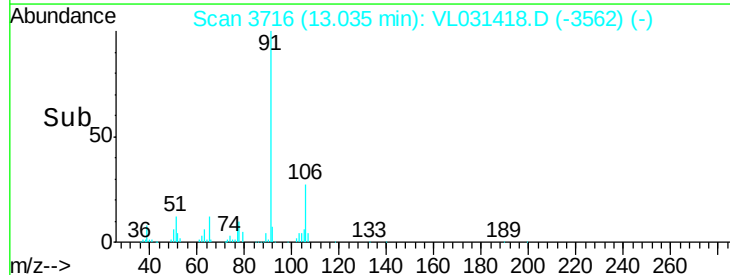
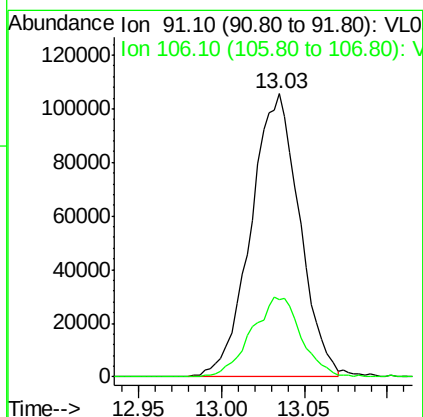
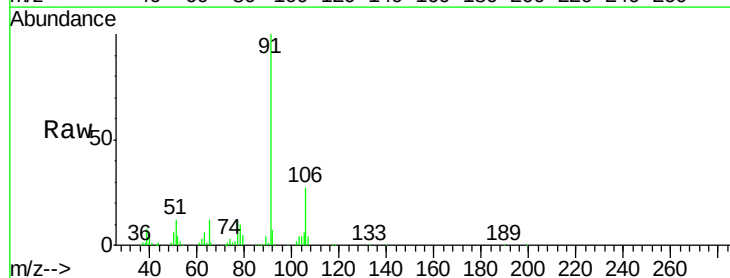
Manual Integrations
APPROVED

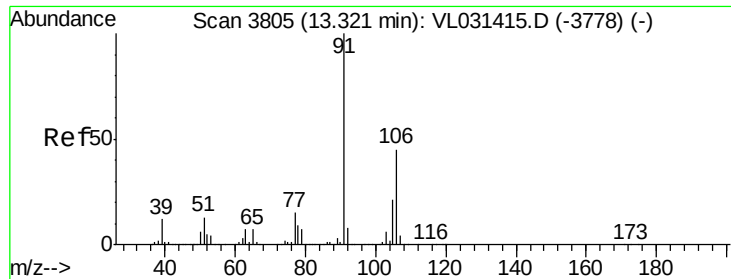
MMDadoda
1/24/2018 5:10:12 PM



#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.8	35.6





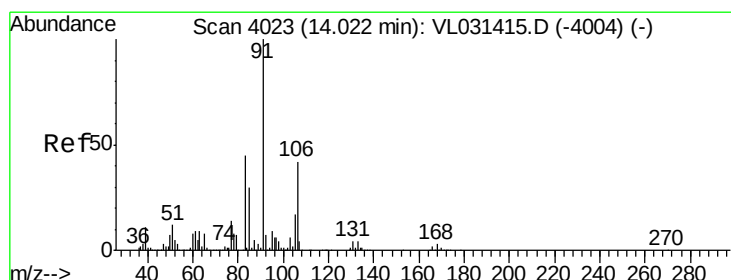
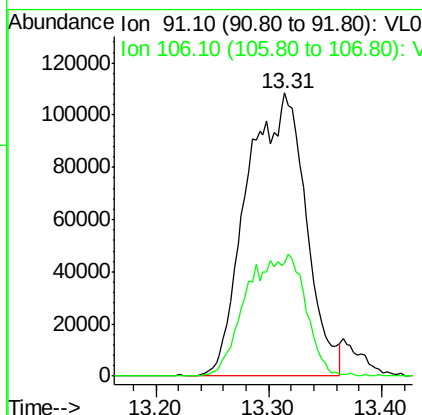
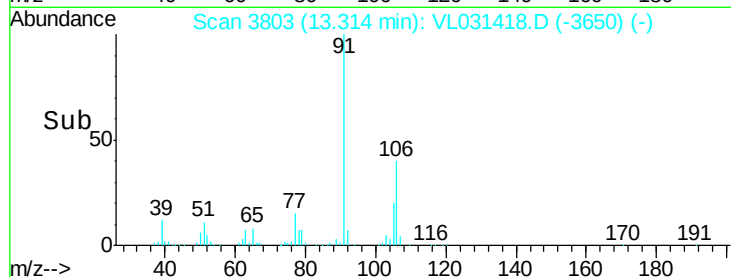
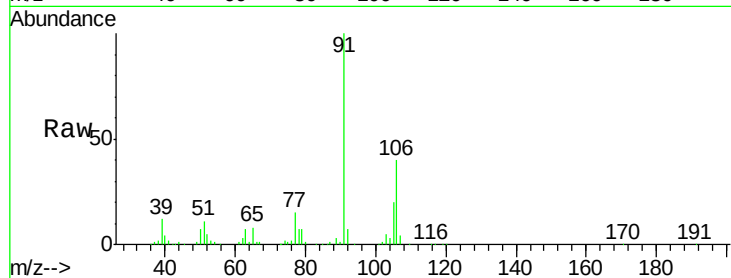
#59
m/p-Xylene
Concen: 0.95 ppbv m
RT: 13.31 min Scan# 3803
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 394052
Ion Ratio Lower Upper
91 100
106 42.8 35.6 53.4

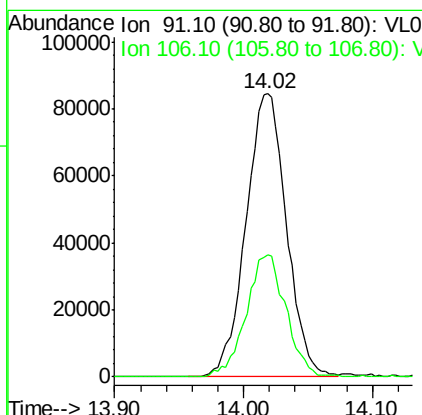
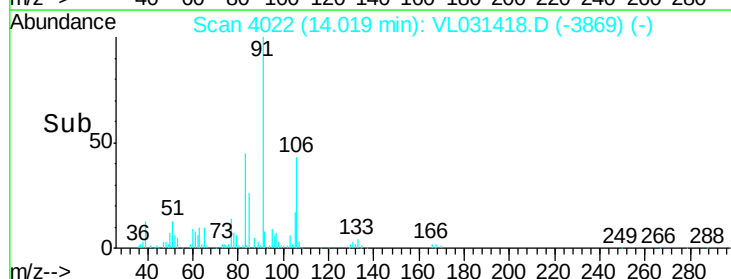
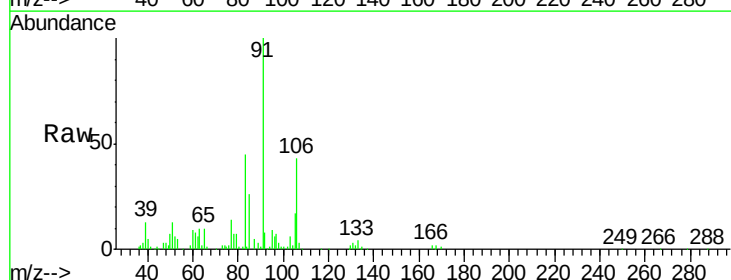
Manual Integrations
APPROVED

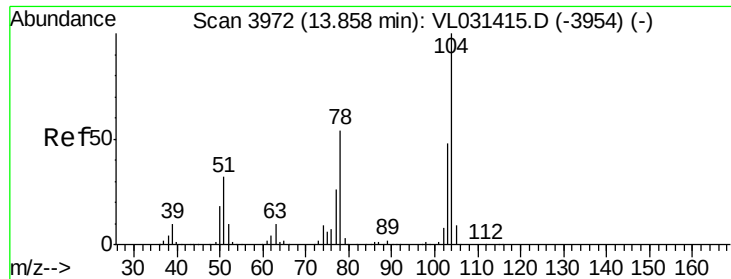
MMDadoda
1/24/2018 5:10:12 PM



#60
o-Xylene
Concen: 0.44 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion: 91 Resp: 185184
Ion Ratio Lower Upper
91 100
106 42.3 21.3 64.0





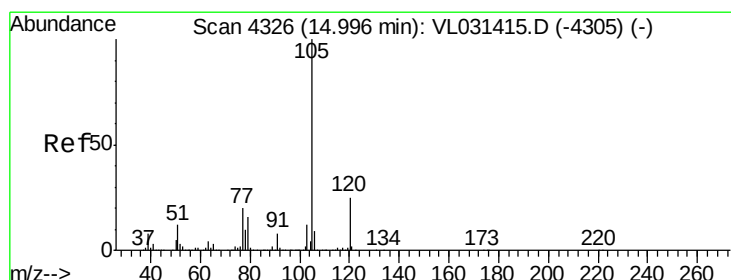
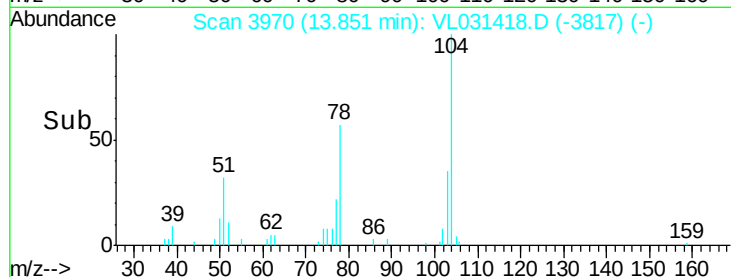
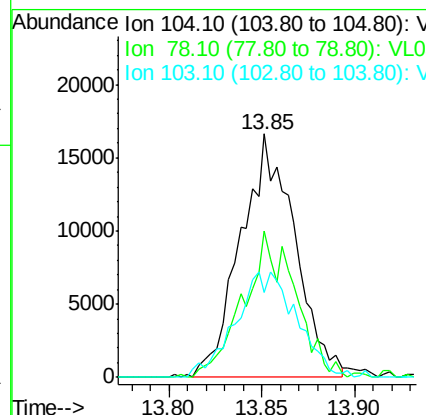
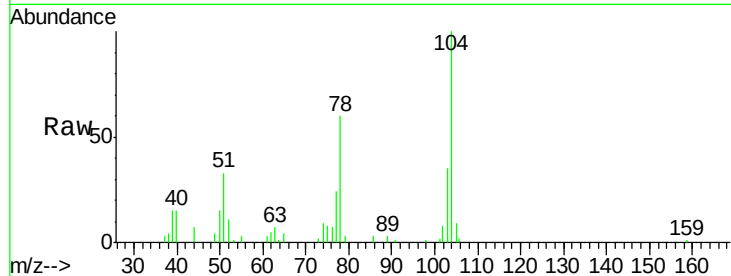
#61
Stvrene
Concen: 0.36 ppbv
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.4	68.0
103	49.2	38.6	57.8

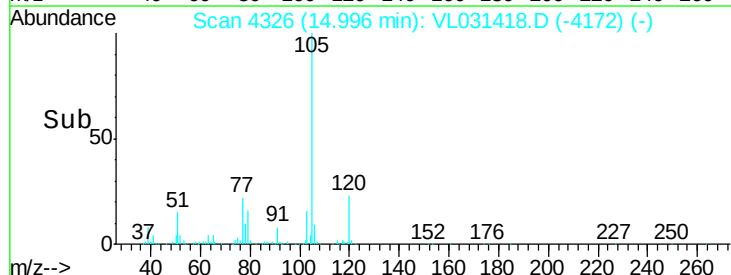
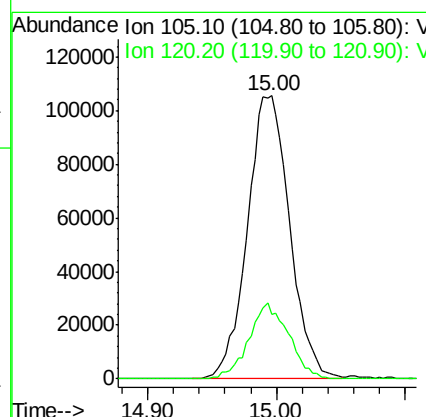
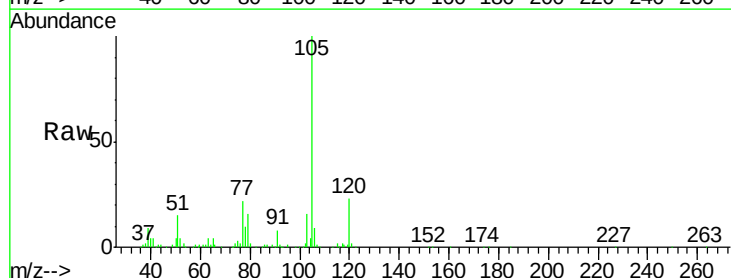
Manual Integrations
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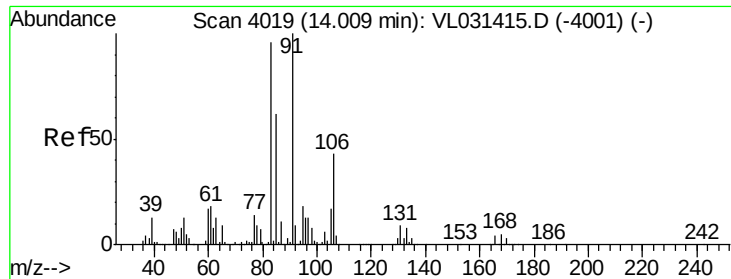
MMDadoda
1/24/2018 5:10:12 PM



#62
Isopropylbenzene
Concen: 0.45 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.45 ppbv

RT: 14.00 min Scan# 4017

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

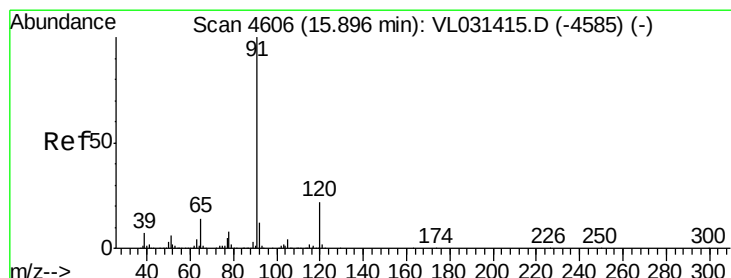
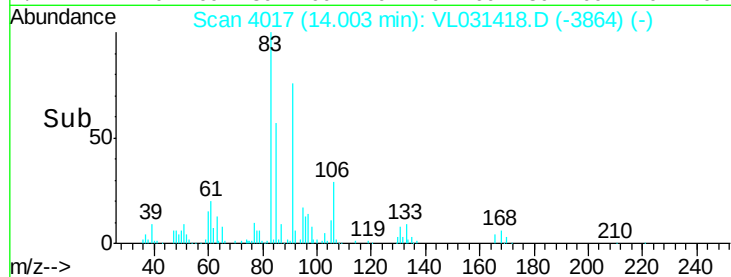
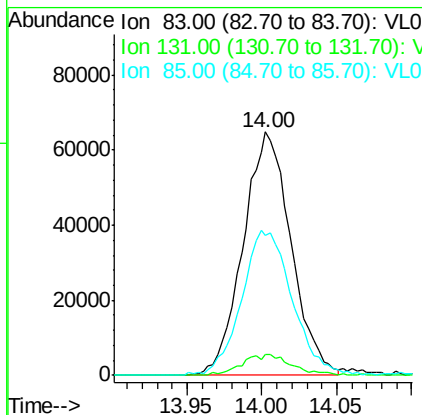
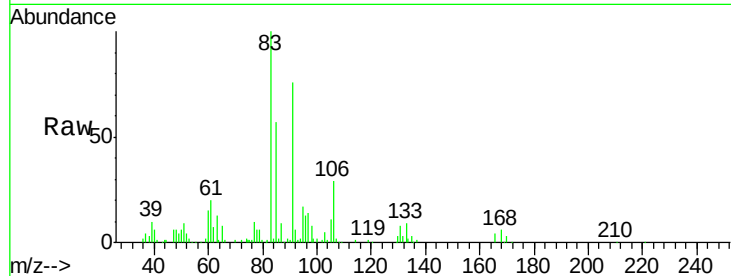
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	143943
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	63.4	32.4	97.0

Manual Integrations
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MMDadoda
1/24/2018 5:10:12 PM



#64

n-propylbenzene

Concen: 0.44 ppbv

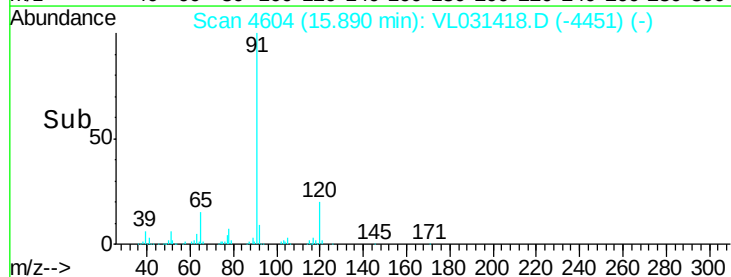
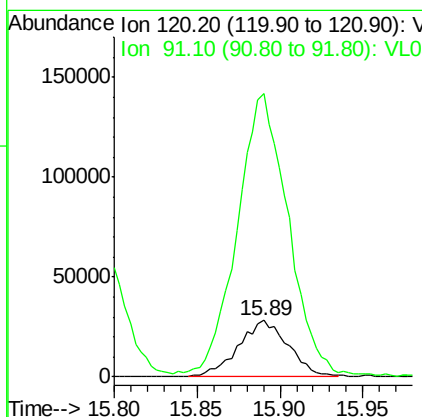
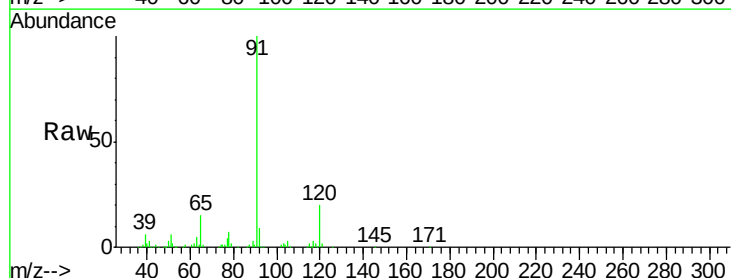
RT: 15.89 min Scan# 4604

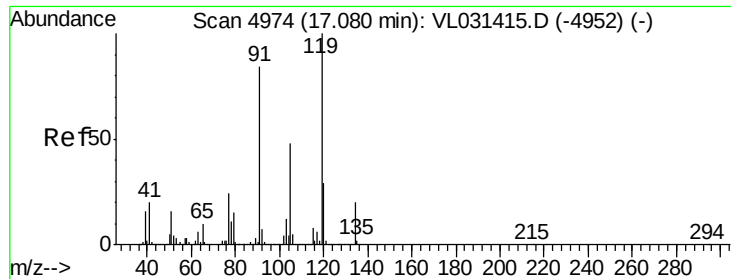
Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion:	120	Resp:	59504
Ion Ratio	Lower	Upper	
120	100		
91	512.1	389.8	584.6





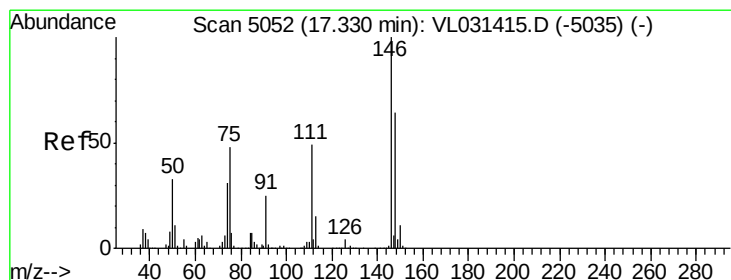
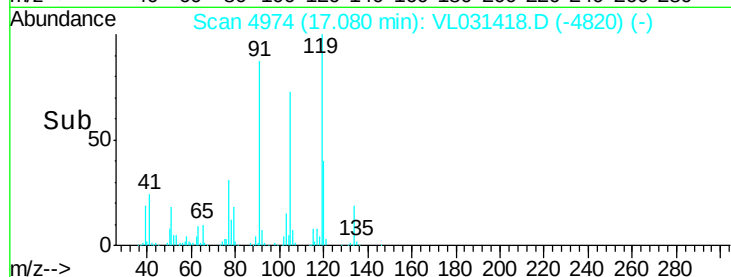
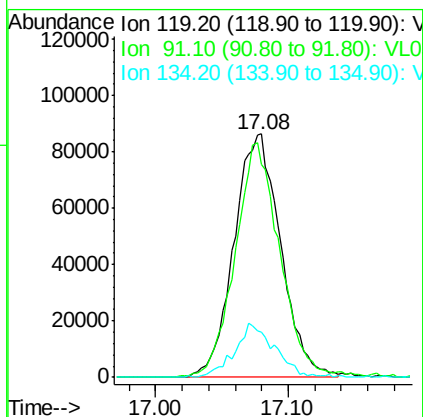
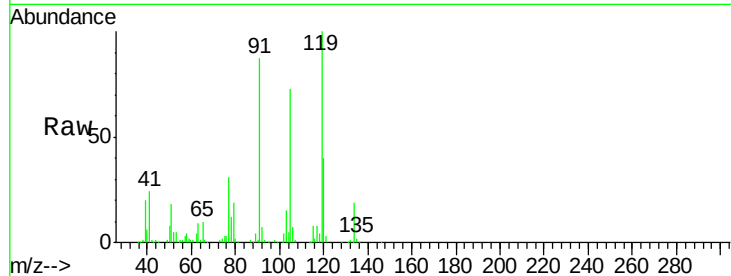
#65
tert-Butylbenzene
Concen: 0.45 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210905		
91	93.3	69.0	103.6	
134	19.3	15.7	23.5	

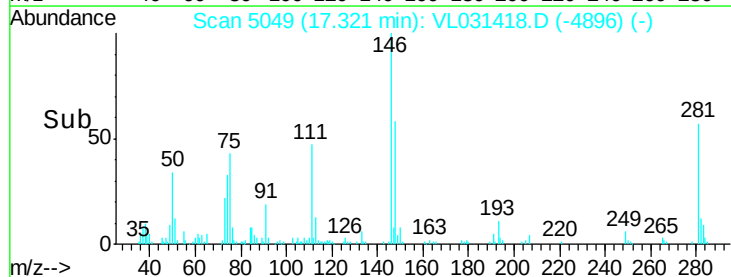
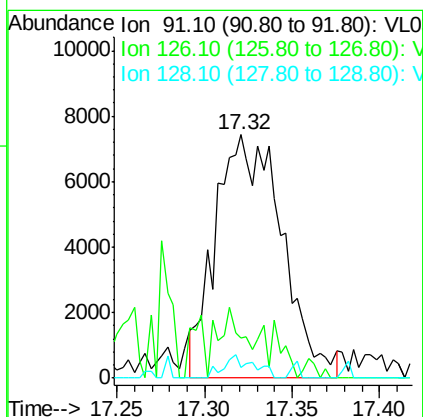
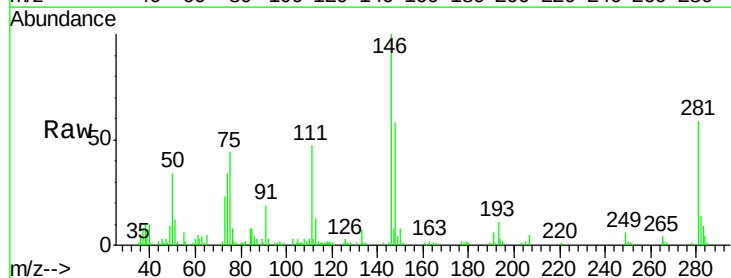
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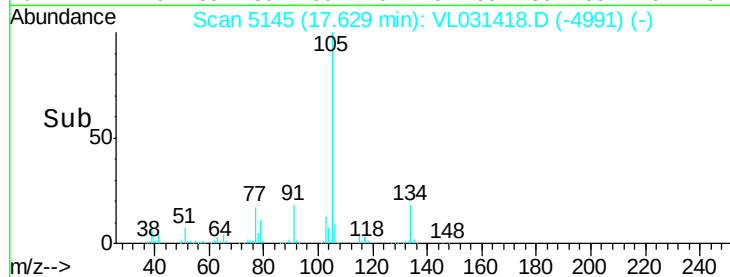
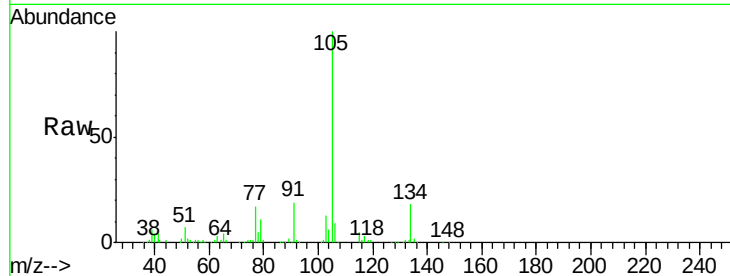
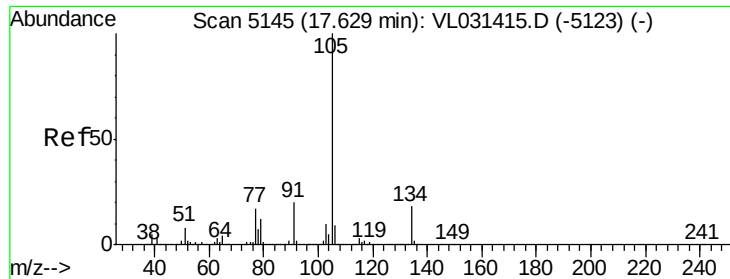
MMDadoda
1/24/2018 5:10:12 PM



#66
Benzyl Chloride
Concen: 0.44 ppbv m
RT: 17.32 min Scan# 5049
Delta R.T. -0.01 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	19529		
126	19.5	13.8	20.8	
128	4.2	4.6	6.8#	





#67

sec-Butylbenzene

Concen: 0.44 ppbv

RT: 17.63 min Scan# 5145

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tot Ion: 105 Resp: 295083

Ion Ratio Lower Upper

105 100

134 18.0 14.5 21.7

Instrument :

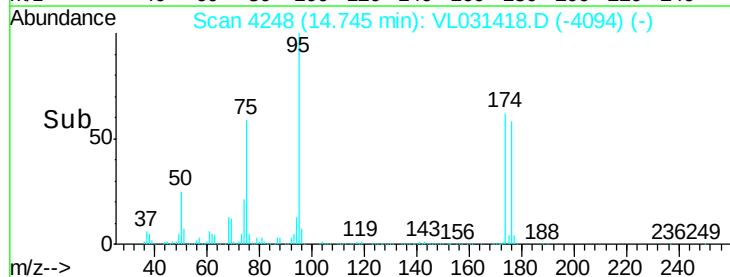
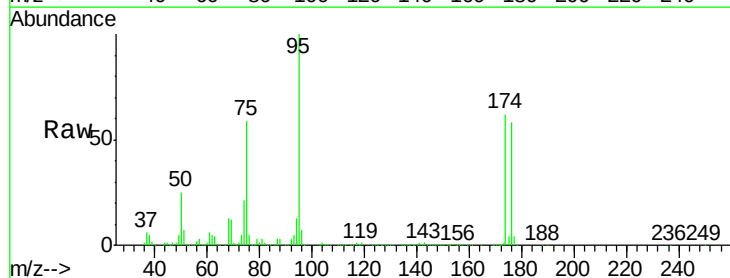
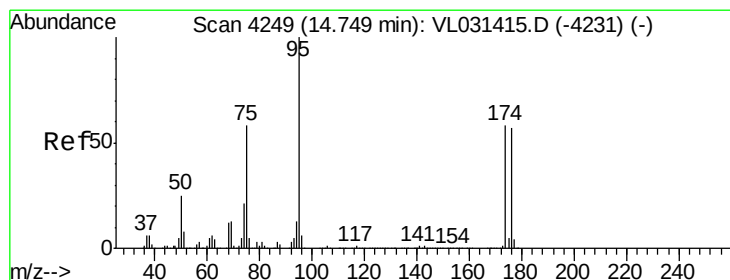
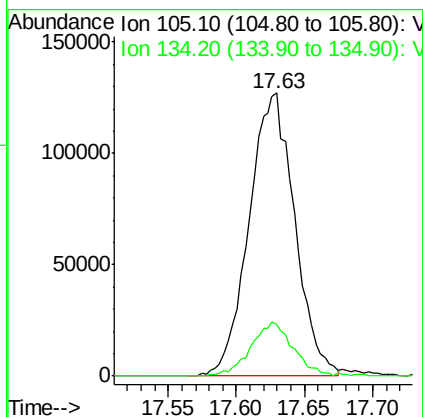
MSVOA_L

ClientSampleId :

VSTDIC0.5

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.14 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

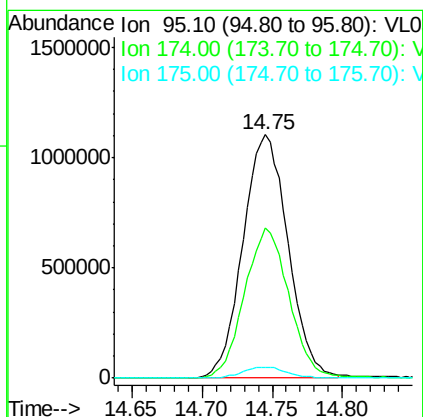
Tgt Ion: 95 Resp: 2460937

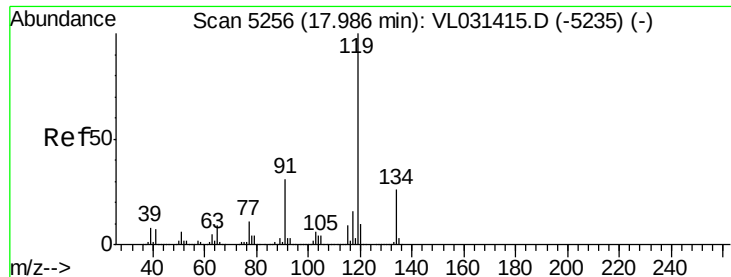
Ion Ratio Lower Upper

95 100

174 61.7 48.2 72.4

175 4.6 3.6 5.4





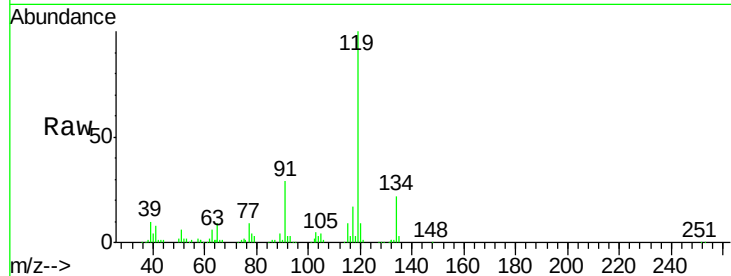
#69
 p-Isopropyltoluene
 Concen: 0.43 ppbv
 RT: 17.98 min Scan# 5254
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

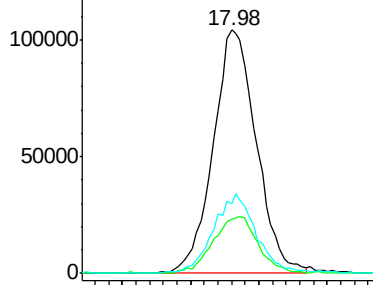
Tot Ion	Ratio	Resp	Lower	Upper
119	100	228472		
134	24.5	20.2	30.4	
91	32.9	25.0	37.4	

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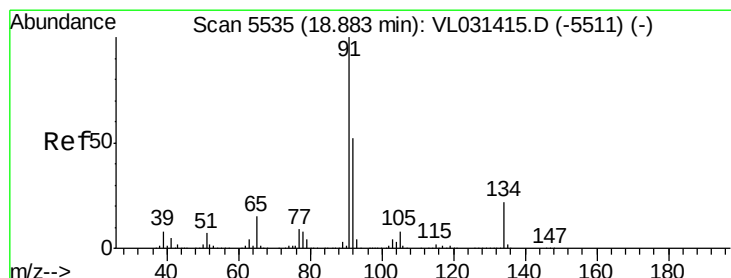
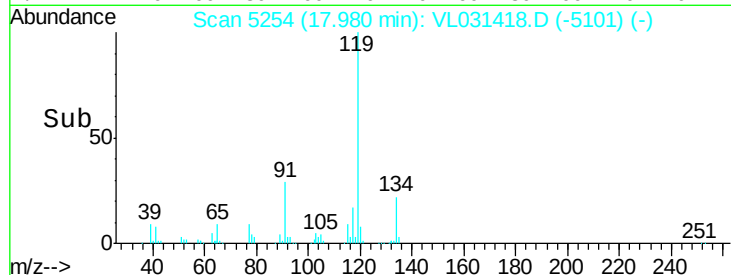
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Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

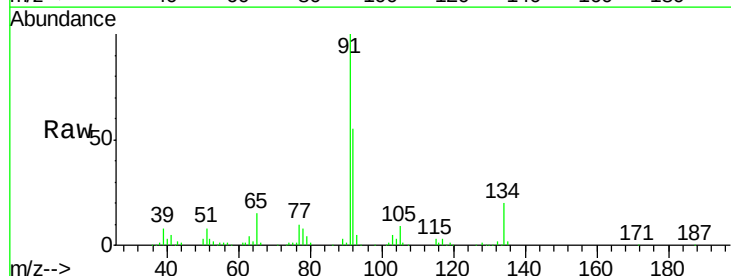


Time-->

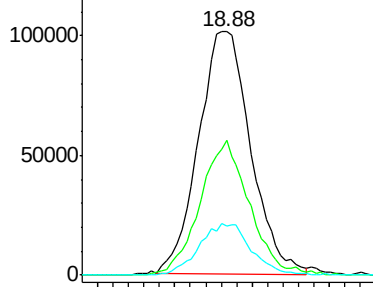


#70
 n-Butylbenzene
 Concen: 0.42 ppbv
 RT: 18.88 min Scan# 5535
 Delta R.T. -0.00 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

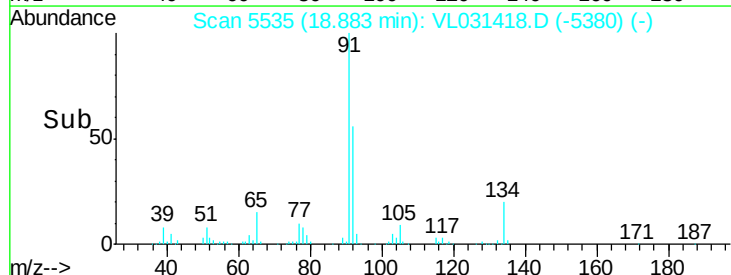
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	236258		
92	52.9	42.2	63.4	
134	21.4	17.4	26.2	

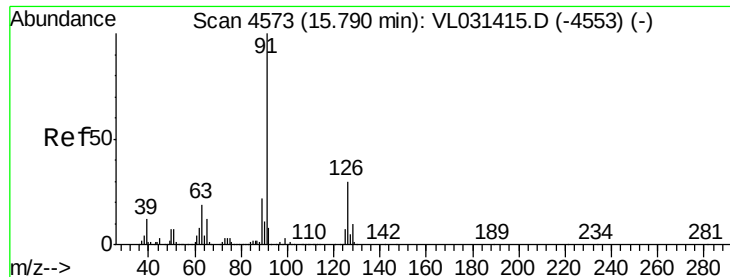


Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



Time-->





#71

2-Chlorotoluene

Concen: 0.43 ppbv m

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 176138

Ion Ratio Lower Upper

91 100

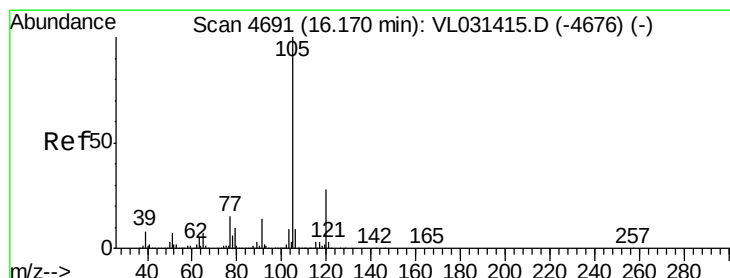
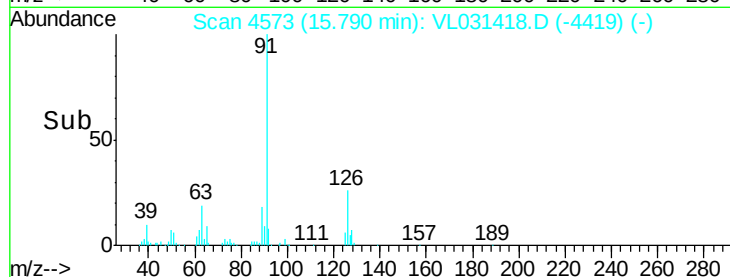
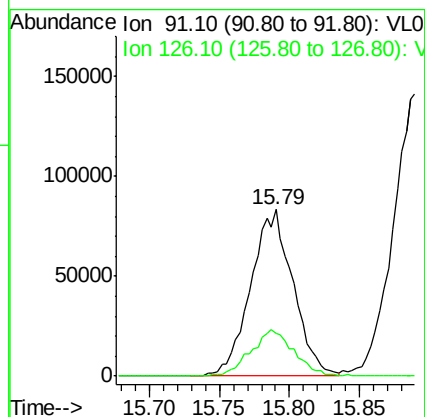
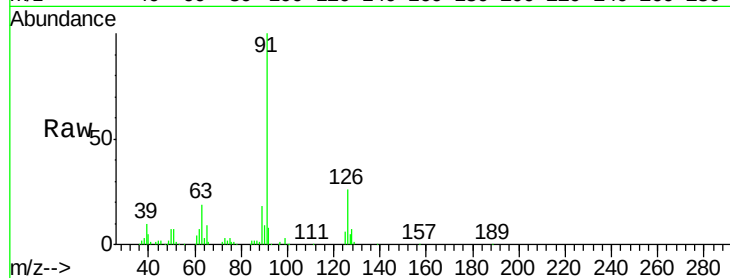
126 0.0 11.7 46.9#

Manual Integrations

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#72

4-Ethyltoluene

Concen: 0.42 ppbv

RT: 16.17 min Scan# 4690

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion: 105 Resp: 181362

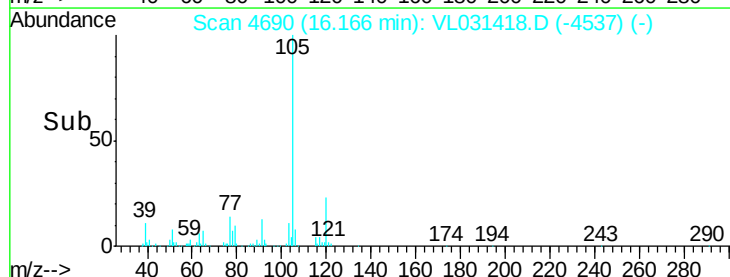
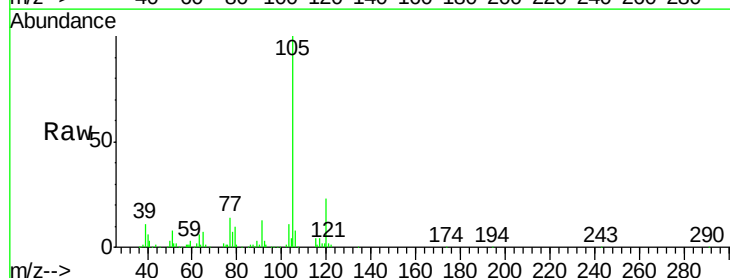
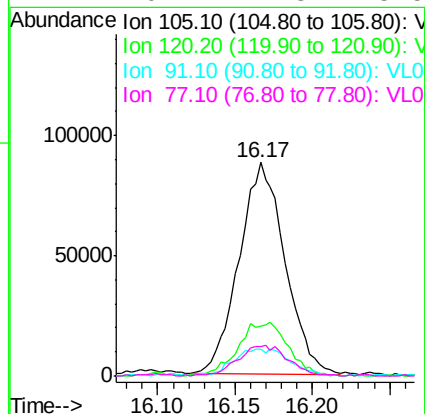
Ion Ratio Lower Upper

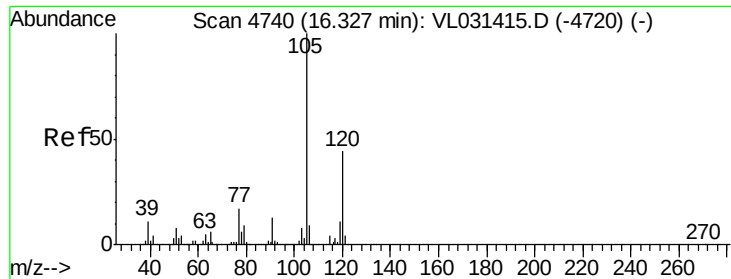
105 100

120 27.8 23.0 34.6

91 14.9 11.0 16.4

77 16.1 12.3 18.5





#73

1,3,5-Trimethylbenzene

Concen: 0.44 ppbv

RT: 16.32 min Scan# 4739

Delta R.T. -0.00 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion:105 Resp: 169448

Ion Ratio Lower Upper

105 100

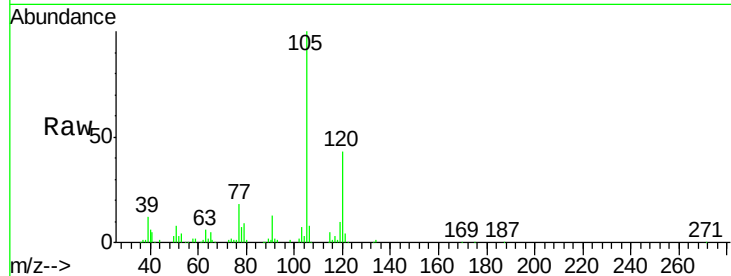
120 43.4 35.8 53.6

Manual Integrations

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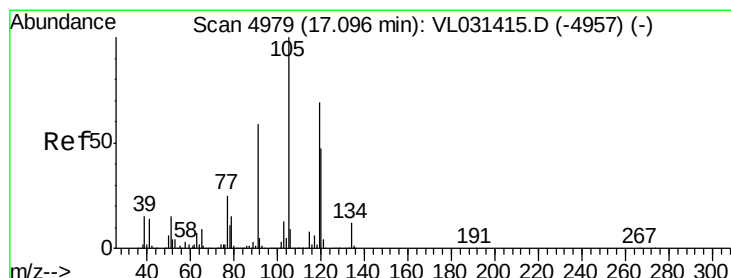
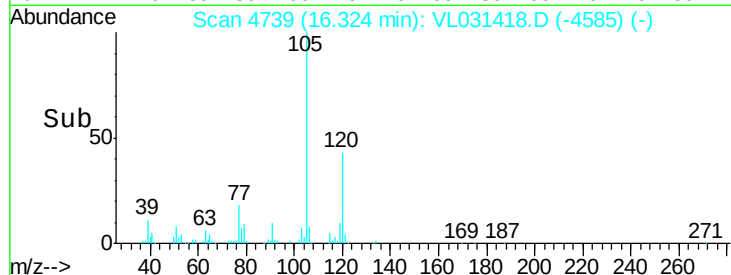
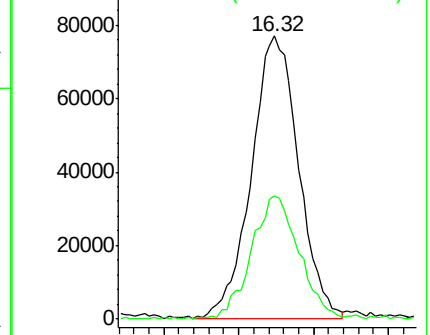
MMDadoda

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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: 0.47 ppbv

RT: 17.09 min Scan# 4978

Delta R.T. -0.01 min

Lab File: VL031418.D

Acq: 22 Jan 2018 15:25

Tgt Ion:105 Resp: 198773

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6

91 52.2 35.1 52.7

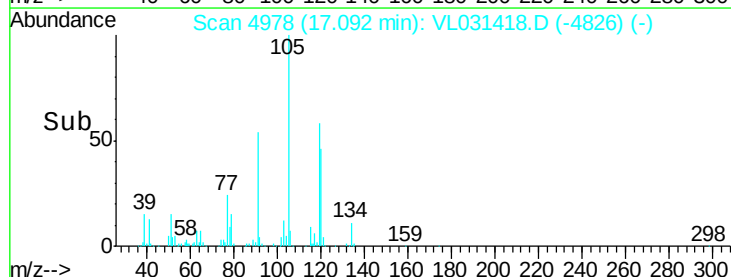
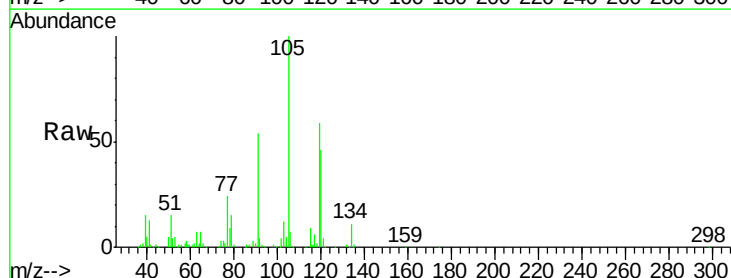
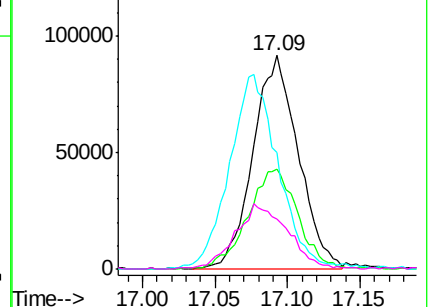
77 23.0 17.9 26.9

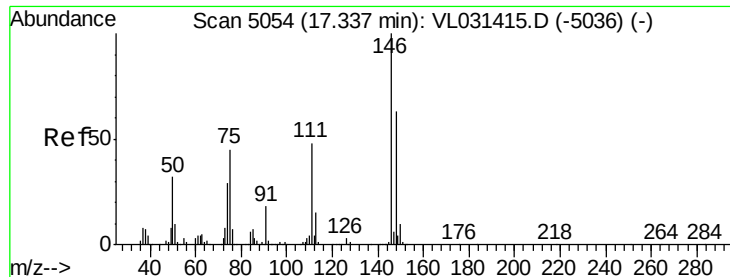
Abundance Ion 105.10 (104.80 to 105.80): V

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





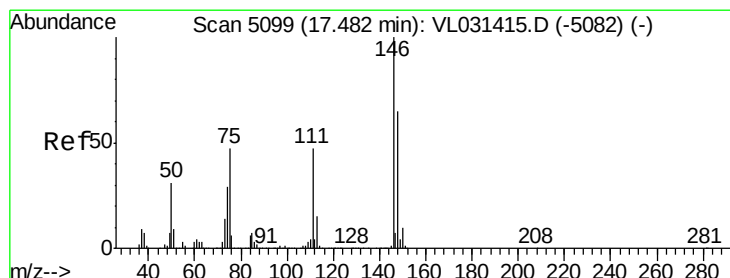
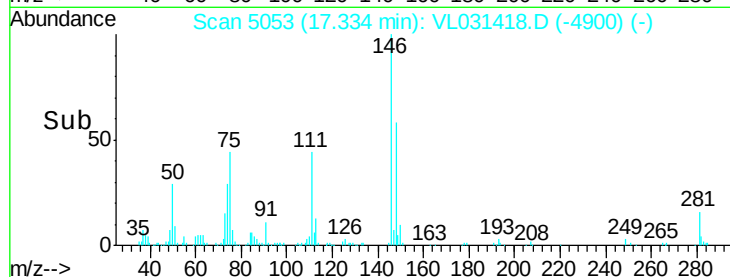
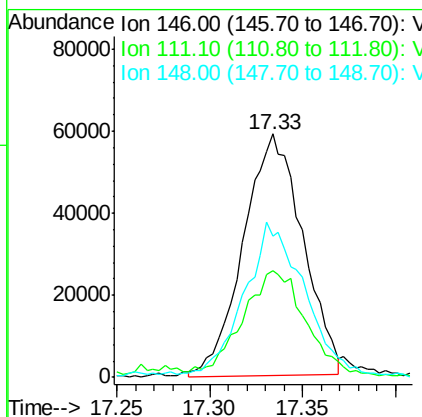
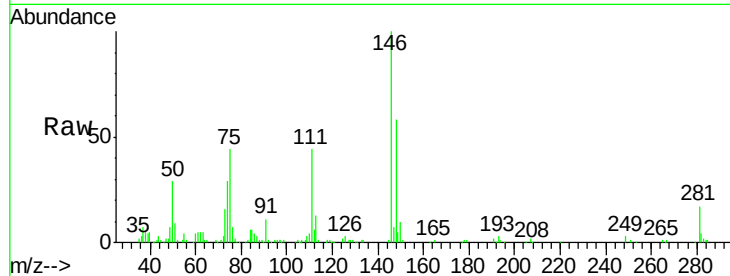
#75
 1,3-Dichlorobenzene
 Concen: 0.49 ppbv
 RT: 17.33 min Scan# 5053
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.2	24.2	72.6
148	68.5	32.1	96.3

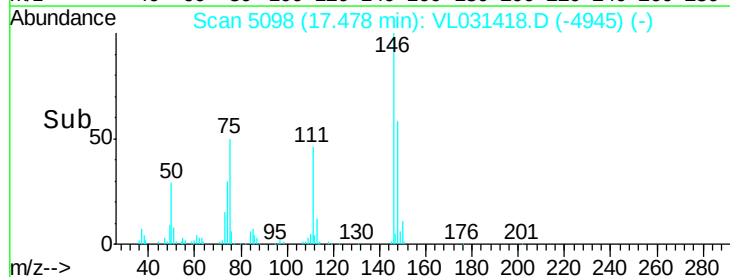
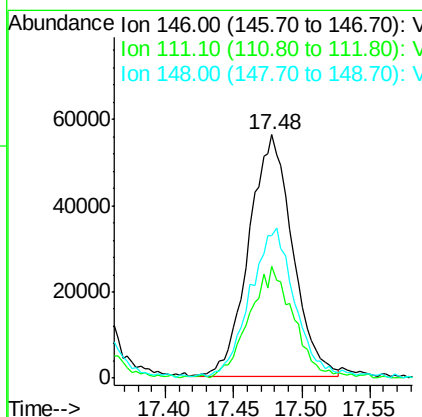
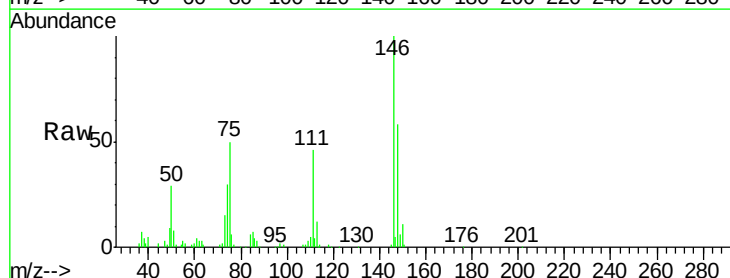
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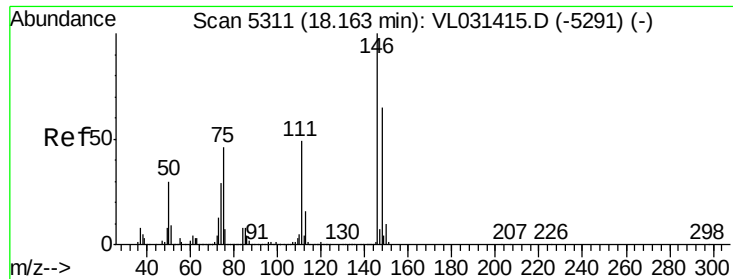
MMDadoda
 1/24/2018 5:10:12 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.46 ppbv
 RT: 17.48 min Scan# 5098
 Delta R.T. -0.01 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.3	69.9
148	65.4	32.4	97.2





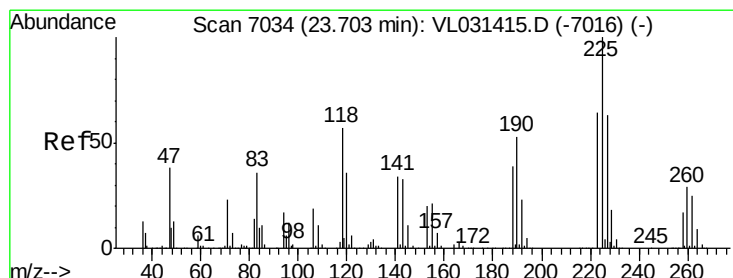
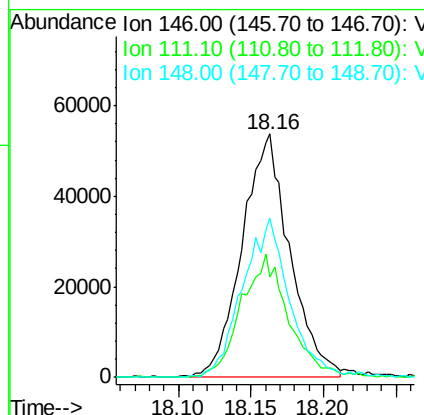
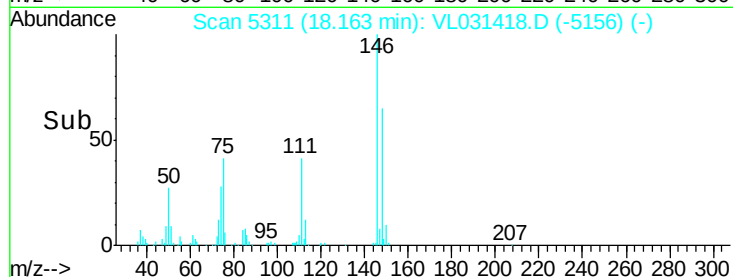
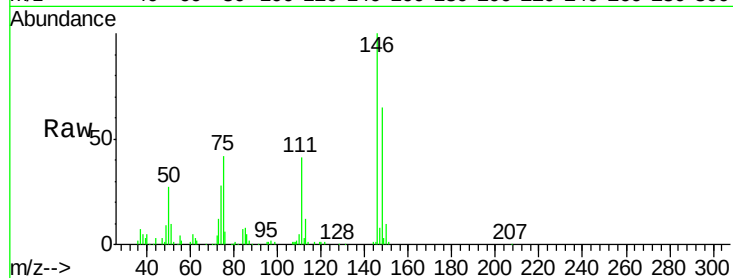
#77
 1,2-Dichlorobenzene
 Concen: 0.46 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. -0.00 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.6	74.0
148	64.9	32.3	96.8

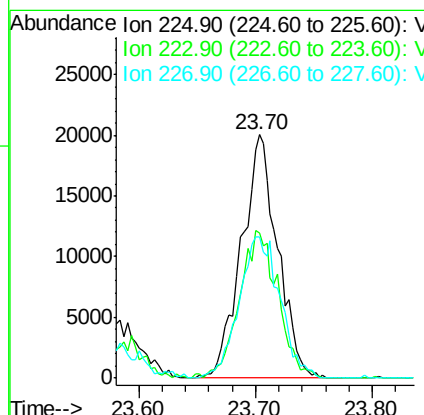
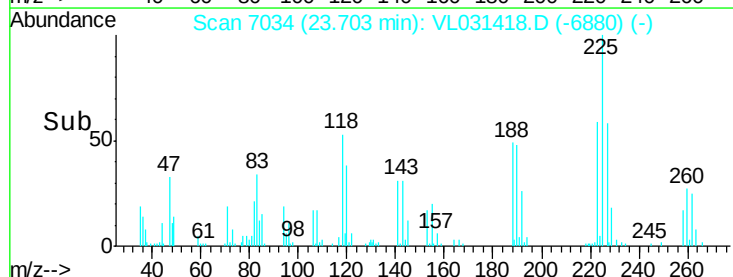
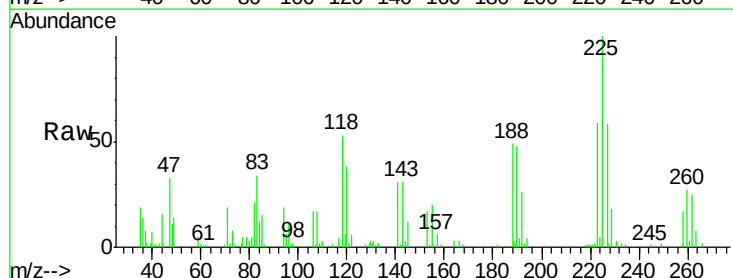
Manual Integrations
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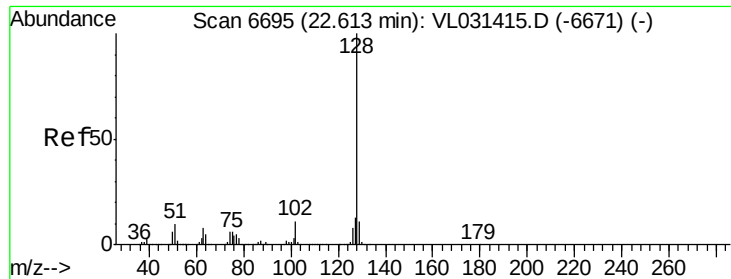
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.50 ppbv m
 RT: 23.70 min Scan# 7034
 Delta R.T. -0.00 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	51.3	76.9
227	65.7	50.7	76.1





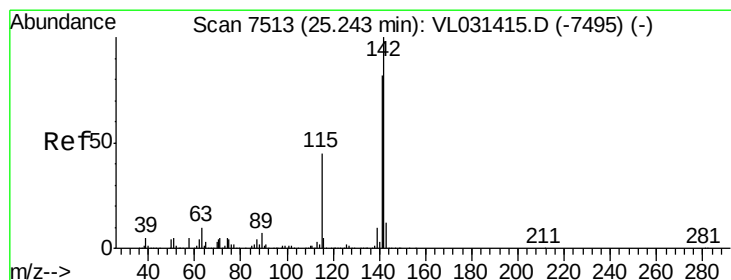
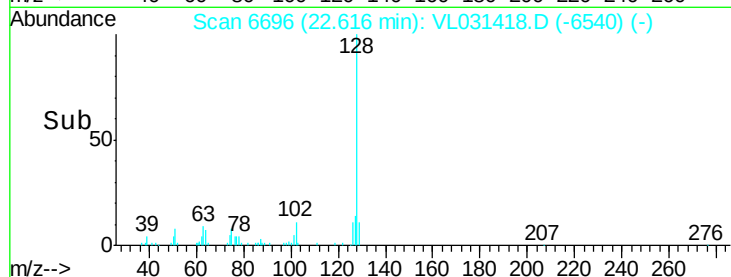
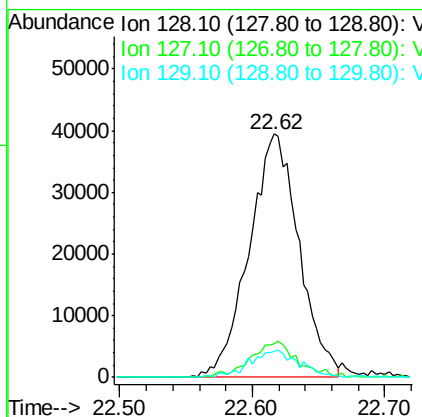
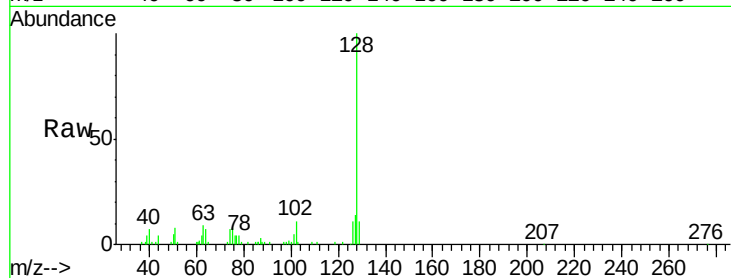
#79
Naphthalene
Concen: 0.51 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.8	9.2	13.8

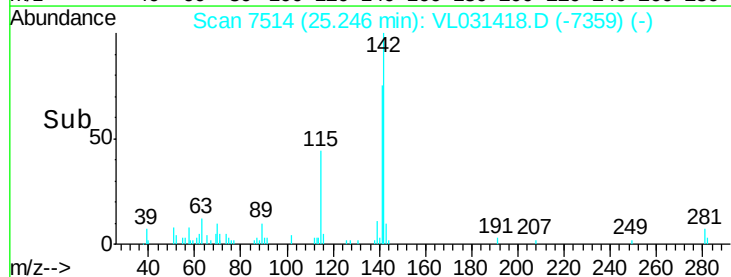
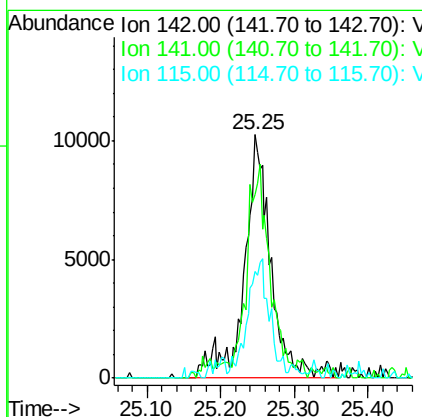
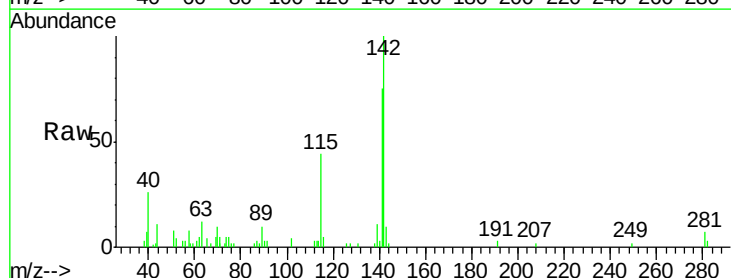
Manual Integrations
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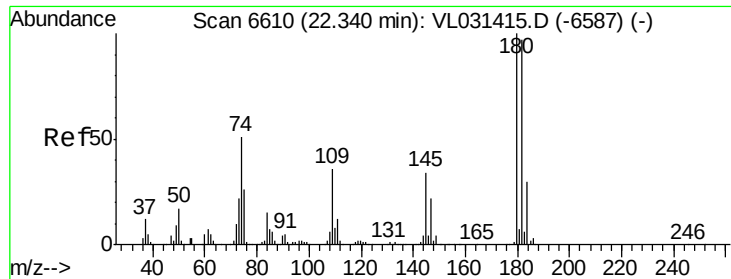
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#80
Naphthalene, 2-methyl-
Concen: 0.51 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. -0.00 min
Lab File: VL031418.D
Acq: 22 Jan 2018 15:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.1	68.7	103.1
115	50.0	36.3	54.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.53 ppbv
 RT: 22.34 min Scan# 6611
 Delta R.T. 0.00 min
 Lab File: VL031418.D
 Acq: 22 Jan 2018 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.4
184	30.1	24.2	36.4

Manual Integrations
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MMDadoda
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