

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031854.D
 Acq On : 12 Apr 2018 2:13
 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
 4/15/2018 3:06:06 PM

Quant Time: Apr 12 04:39:25 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 12 04:39:25 2018
 QLast Update : Thu Apr 12 04:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1312826	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2806043	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2705537	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2226527	10.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	152268	0.621	ppbv	98
3) Chlorodifluoromethane	3.10	51	82623	0.491	ppbv	97
4) Chloromethane	3.26	50	40798	0.484	ppbv #	87
5) Vinyl Chloride	3.39	62	42371	0.500	ppbv	93
6) Bromomethane	3.61	94	28794	0.496	ppbv	98
7) Chloroethane	3.70	64	19300	0.551	ppbv #	87
8) Dichlorotetrafluoroethane	3.31	85	122526	0.543	ppbv	98
9) Propene	3.13	41	24769	0.370	ppbv	97
10) Heptane	8.39	43	78072	0.391	ppbv	99
11) Trichlorofluoromethane	4.11	101	148862	0.606	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.67	101	98798	0.608	ppbv	98
13) Ethanol	3.77	45	10572m	0.499	ppbv	
14) Bromoethene	3.89	108	34803	0.526	ppbv	99
15) Acetone	4.03	43	113668	0.515	ppbv	97
16) 1,3-Butadiene	3.46	39	37847	0.474	ppbv	96
17) tert-Butyl alcohol	4.50	59	47782m	0.477	ppbv	
18) 1,1-Dichloroethene	4.47	96	40565	0.553	ppbv	98
19) Isopropyl Alcohol	4.15	45	60523	0.503	ppbv #	93
20) Methylene Chloride	4.52	84	44522	0.605	ppbv #	86
21) Allyl Chloride	4.59	41	61675m	0.524	ppbv	
22) trans-1,2-Dichloroethene	5.08	96	41369	0.527	ppbv	94
23) Vinyl Acetate	5.28	43	97369	0.404	ppbv #	95
24) 1,1-Dichloroethane	5.21	63	114694	0.562	ppbv	98
25) Ethyl Acetate	5.91	43	165395	0.486	ppbv	98
26) Hexane	5.90	57	75420	0.482	ppbv	93
27) Carbon Disulfide	4.74	76	96958	0.567	ppbv #	92
28) Methyl tert-Butyl Ether	5.25	73	86564m	0.409	ppbv	
29) Chloroform	5.97	83	139067	0.558	ppbv	98
30) Cyclohexane	7.39	84	47102m	0.377	ppbv	
31) cis-1,2-Dichloroethene	5.76	61	65893m	0.453	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	127840	0.489	ppbv	96
34) 2-Butanone	5.47	43	102811	0.533	ppbv	97
35) Carbon Tetrachloride	7.27	117	126109m	0.600	ppbv	
36) Benzene	7.14	78	123233	0.467	ppbv #	93
37) 1,2-Dichloroethane	6.54	62	102962m	0.585	ppbv	
38) Trichloroethene	8.10	130	51560	0.482	ppbv	92
39) 1,2-Dichloropropane	7.87	63	48249	0.505	ppbv	96
40) 1,4-Dioxane	8.14	88	16682m	0.435	ppbv	
41) Tetrahydrofuran	6.30	42	40399m	0.418	ppbv	
42) Bromodichloromethane	8.05	83	119095	0.570	ppbv	99
43) Methyl Methacrylate	8.28	69	39617	0.425	ppbv	97

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Manual Integrations
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Quant Time: Apr 12 04:39:25 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 12 2018
 QLast Update : Thu Apr 12 04:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	208827	0.486	ppbv	94
45) t-1,3-Dichloropropene	9.56	75	46712	0.370	ppbv	99
46) cis-1,3-Dichloropropene	8.98	75	62665	0.397	ppbv	91
47) 1,1,2-Trichloroethane	9.76	97	60331m	0.554	ppbv	
48) Dibromochloromethane	10.60	129	89863	0.530	ppbv	100
49) Bromoform	13.36	173	65532m	0.526	ppbv	
50) 4-Methyl-2-Pentanone	9.04	43	102549	0.461	ppbv	96
51) 2-Hexanone	10.44	43	74517	0.362	ppbv #	29
52) Tetrachloroethene	11.52	164	50031m	0.470	ppbv	
53) Toluene	10.10	91	117296	0.385	ppbv	99
54) 1,2-Dibromoethane	10.91	107	80616	0.490	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.42	131	70934	0.569	ppbv #	1
57) Chlorobenzene	12.45	112	128234	0.528	ppbv #	83
58) Ethyl Benzene	13.02	91	170872m	0.396	ppbv	
59) m/p-Xylene	13.30	91	319866m	0.900	ppbv	
60) o-Xylene	14.00	91	149100	0.415	ppbv	99
61) Styrene	13.83	104	21693m	0.273	ppbv	
62) Isopropylbenzene	14.97	105	203186	0.447	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.98	83	133187	0.568	ppbv	99
64) n-propylbenzene	15.88	120	48828m	0.446	ppbv	
65) tert-Butylbenzene	17.06	119	170038	0.436	ppbv	93
66) Benzyl Chloride	17.31	91	14255m	0.429	ppbv	
67) sec-Butylbenzene	17.60	105	249924	0.460	ppbv	100
69) p-Isopropyltoluene	17.97	119	182605	0.418	ppbv	98
70) n-Butylbenzene	18.86	91	197118	0.457	ppbv	95
71) 2-Chlorotoluene	15.77	91	140409	0.412	ppbv	99
72) 4-Ethyltoluene	16.15	105	153800m	0.427	ppbv	
73) 1,3,5-Trimethylbenzene	16.30	105	141863	0.434	ppbv	98
74) 1,2,4-Trimethylbenzene	17.07	105	179666	0.511	ppbv	93
75) 1,3-Dichlorobenzene	17.31	146	112876	0.525	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	106726m	0.488	ppbv	
77) 1,2-Dichlorobenzene	18.14	146	105743	0.508	ppbv	95
78) Hexachloro-1,3-Butadiene	23.68	225	48683m	0.564	ppbv	
79) Naphthalene	22.59	128	75032m	0.338	ppbv	
80) Naphthalene, 2-methyl-	25.24	142	12252	0.223	ppbv	95
81) 1,2,4-Trichlorobenzene	22.32	180	51198m	0.422	ppbv	

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

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Acq On    : 12 Apr 2018    2:13
Operator  : SY/AP
Sample    : VSTDICC0.5
Misc      : 400ml/MSVOA L
ALS Vial  : 1    Sample Multiplier: 1

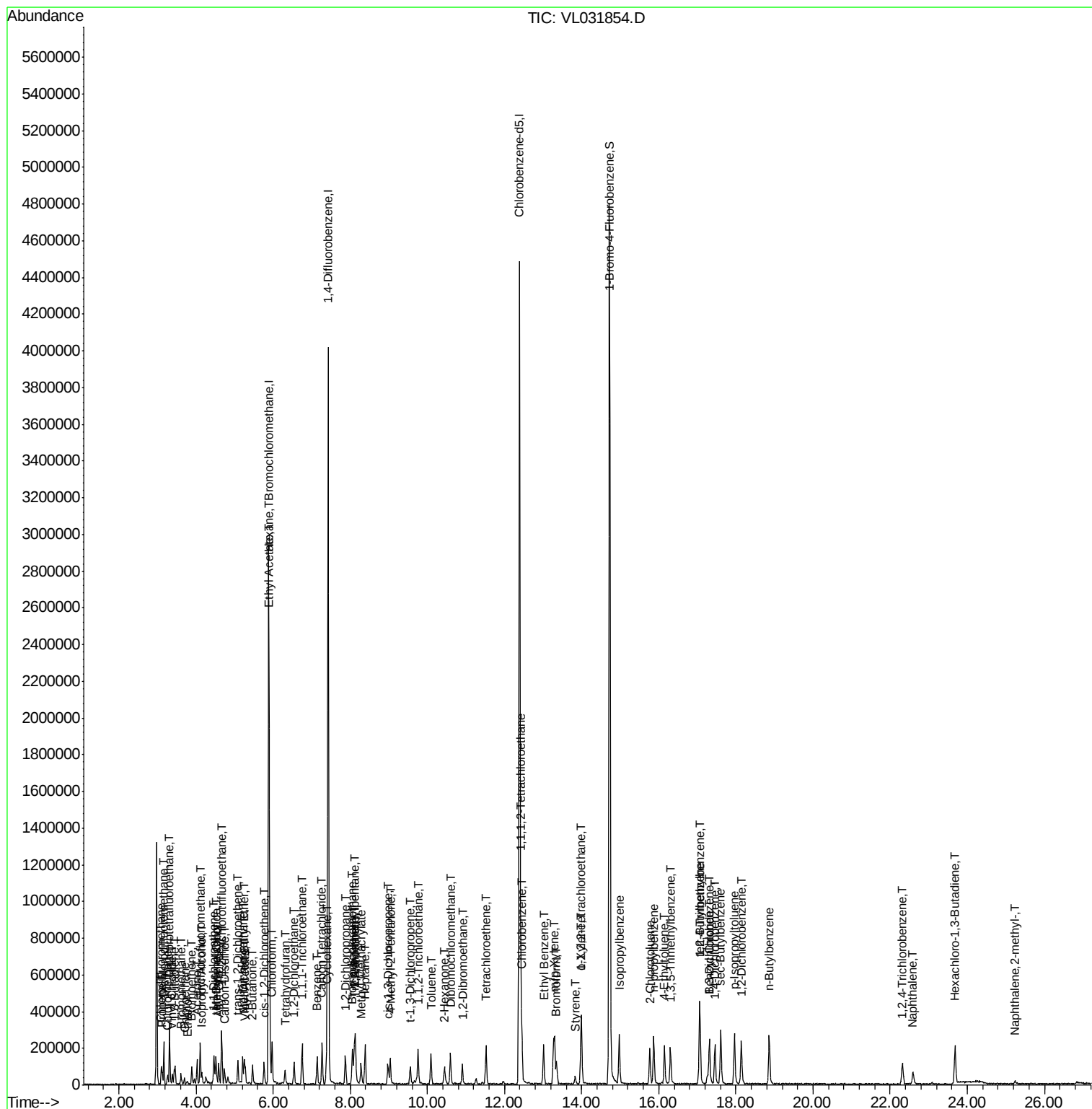
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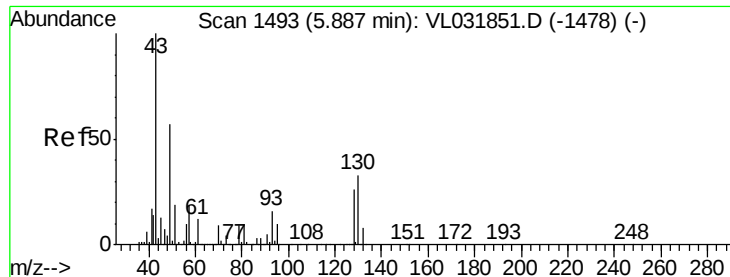
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.5

Manual Integrations APPROVED

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Quant Time: Apr 12 04:39:25 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu Apr
QLast Update : Thu Apr 12 04:17:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1312826

Ion Ratio Lower Upper

49 100

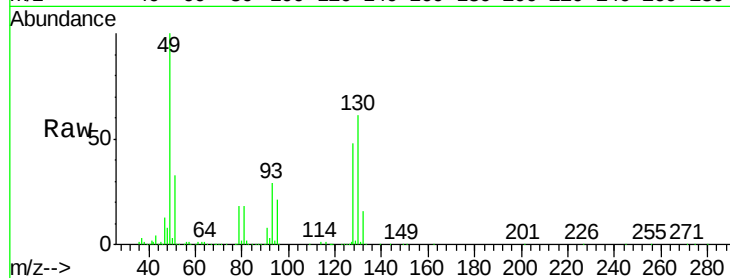
128 48.7 23.9 71.8

130 61.3 31.1 93.2

Manual Integrations
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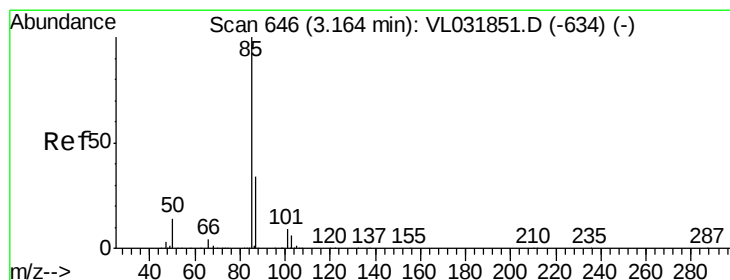
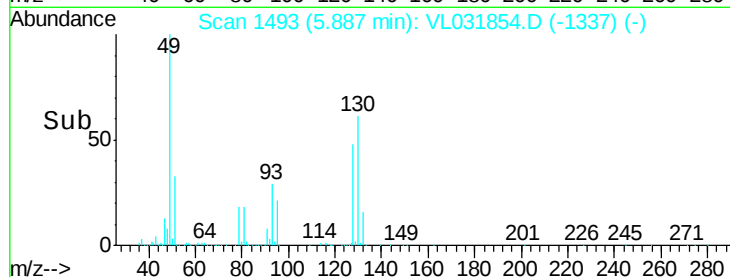
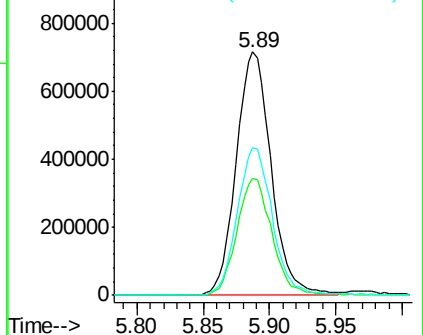
4/15/2018 3:06:06 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.621 ppbv

RT: 3.16 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL031854.D

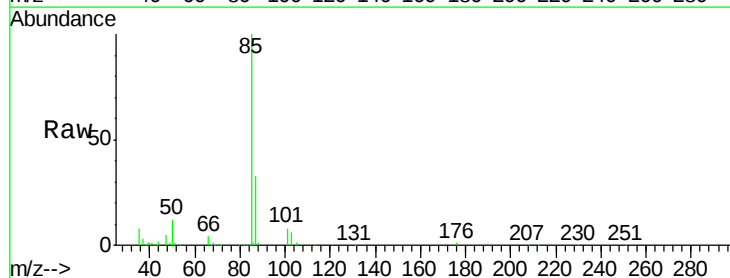
Acq: 12 Apr 2018 2:13

Tgt Ion: 85 Resp: 152268

Ion Ratio Lower Upper

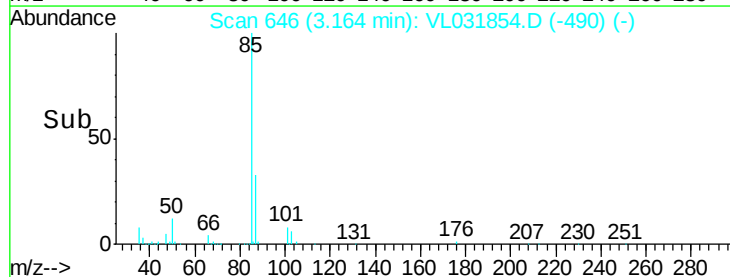
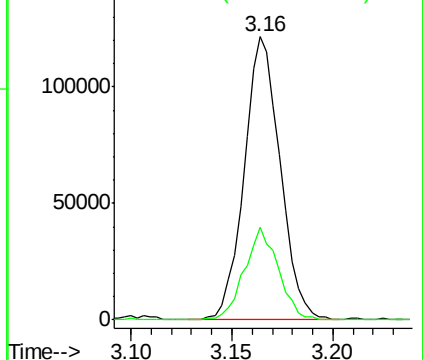
85 100

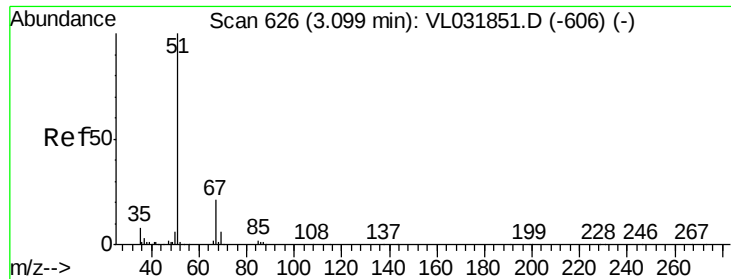
87 32.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.491 ppbv

RT: 3.10 min Scan# 626

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 82623

Ion Ratio Lower Upper

51 100

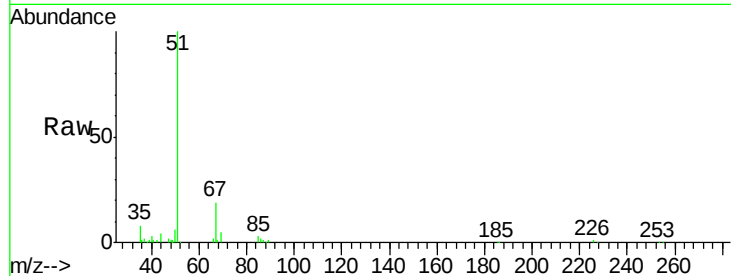
67 22.1 16.7 25.1

Manual Integrations

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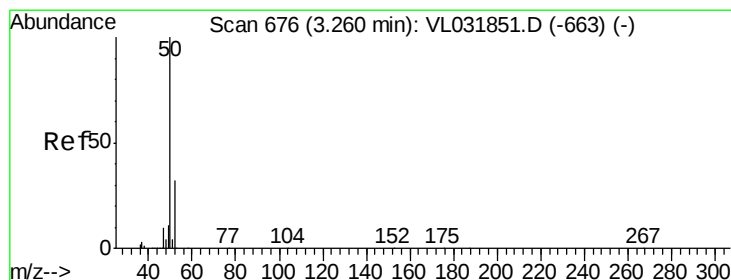
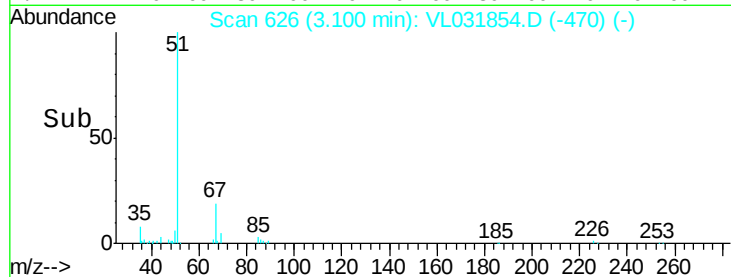
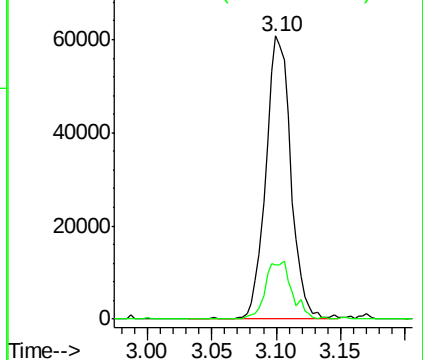
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.484 ppbv

RT: 3.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL031854.D

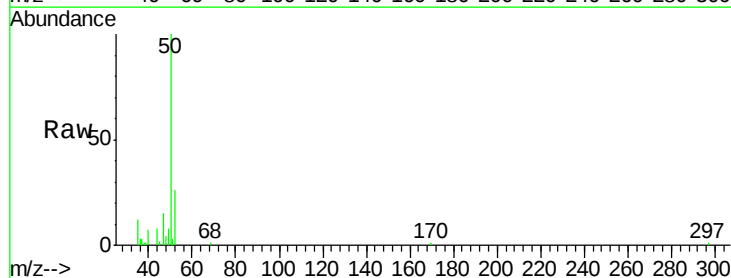
Acq: 12 Apr 2018 2:13

Tgt Ion: 50 Resp: 40798

Ion Ratio Lower Upper

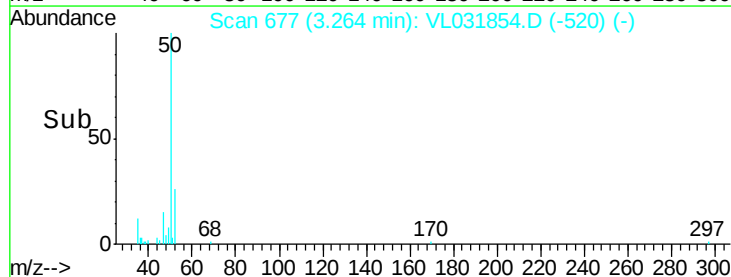
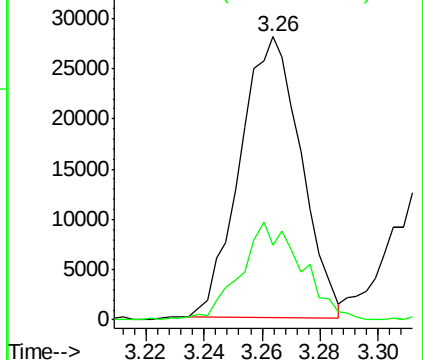
50 100

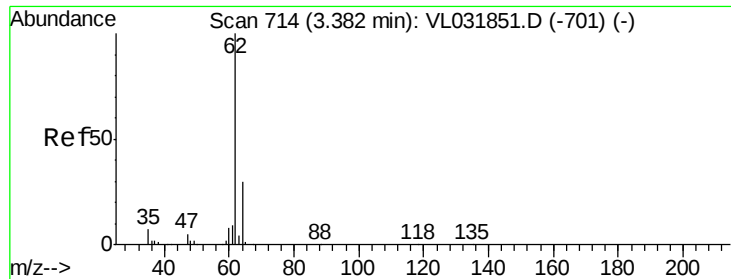
52 25.3 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.500 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 42371

Ion Ratio Lower Upper

62 100

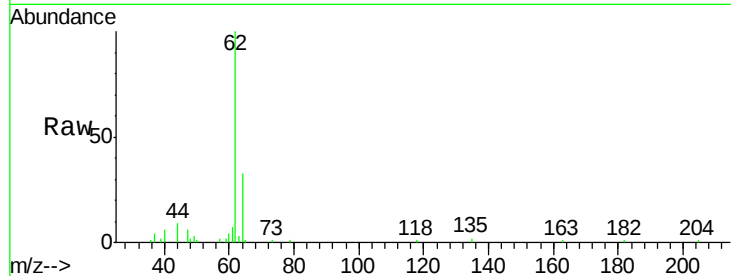
64 33.4 23.8 35.8

Manual Integrations

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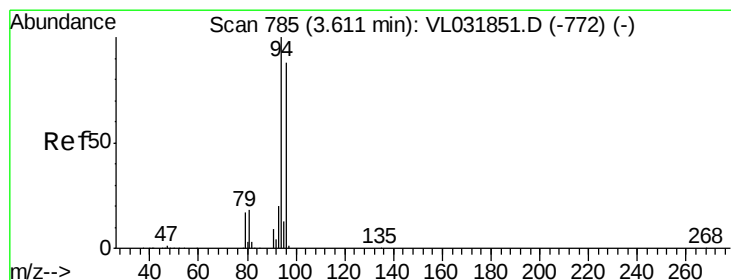
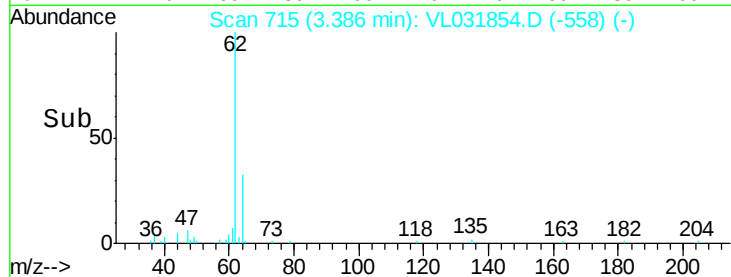
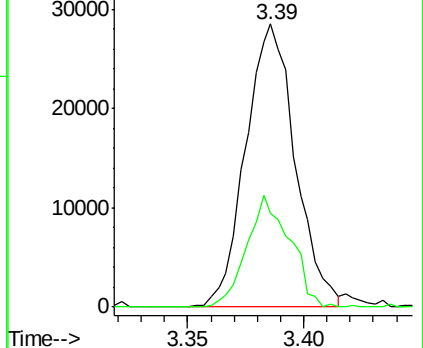
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.496 ppbv

RT: 3.61 min Scan# 786

Delta R.T. 0.00 min

Lab File: VL031854.D

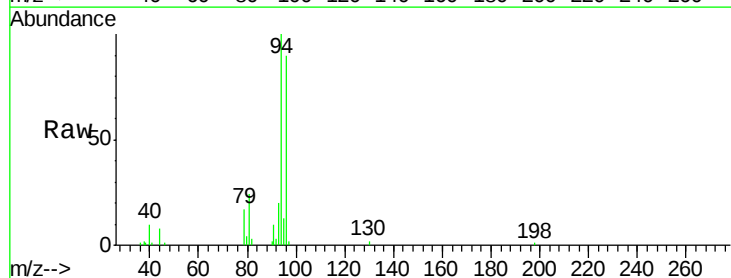
Acq: 12 Apr 2018 2:13

Tgt Ion: 94 Resp: 28794

Ion Ratio Lower Upper

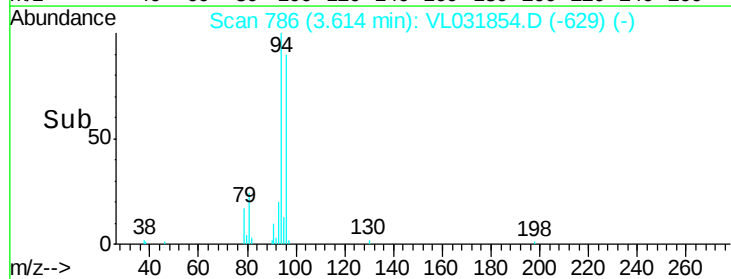
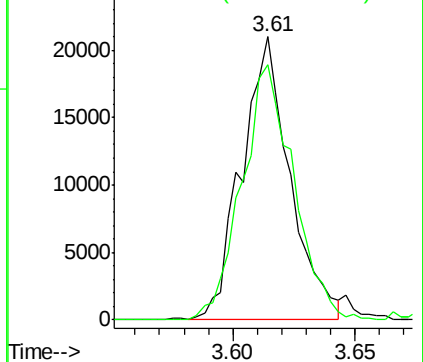
94 100

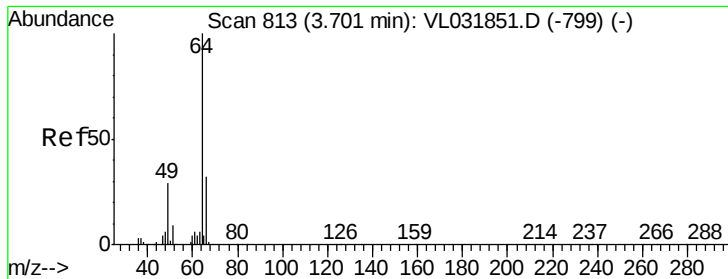
96 90.1 70.6 105.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.551 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 19300

Ion Ratio Lower Upper

64 100

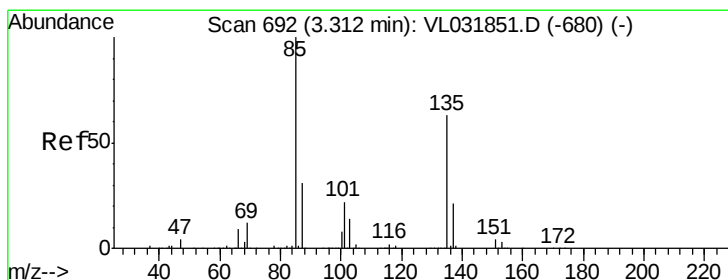
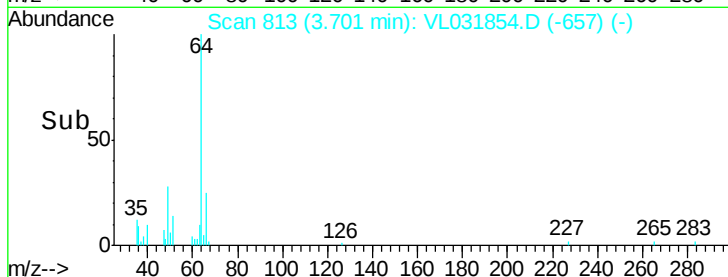
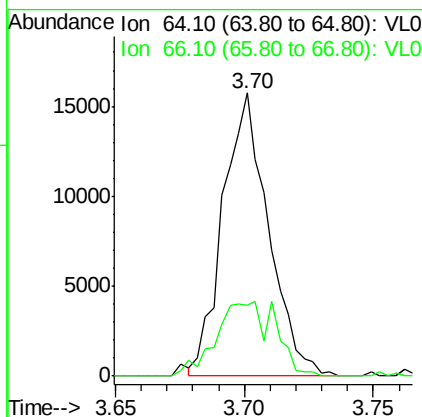
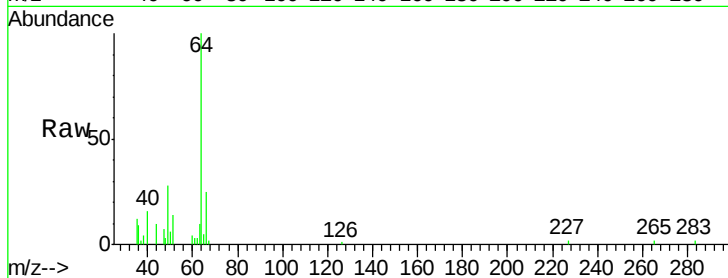
66 24.9 25.5 38.3#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.543 ppbv

RT: 3.31 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL031854.D

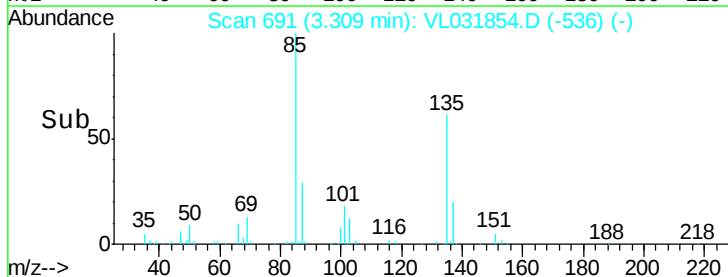
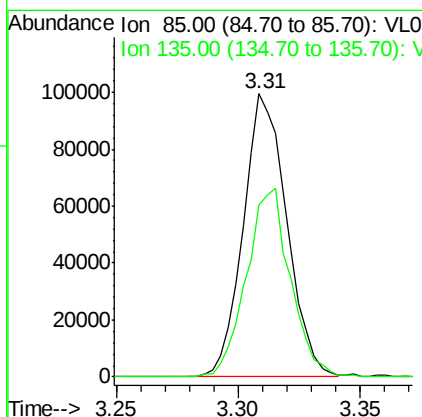
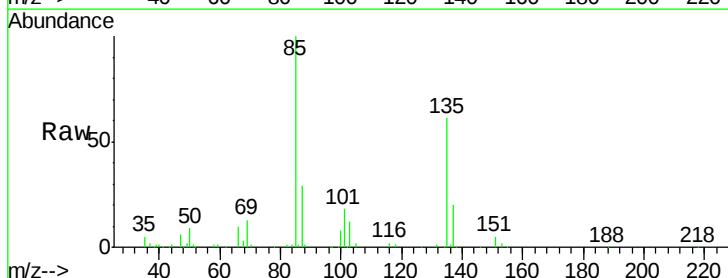
Acq: 12 Apr 2018 2:13

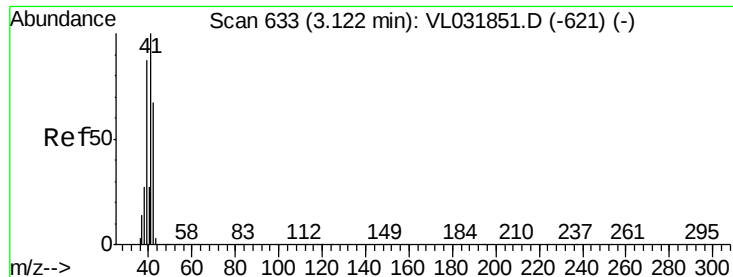
Tgt Ion: 85 Resp: 122526

Ion Ratio Lower Upper

85 100

135 67.5 52.6 79.0





#9

Propene

Concen: 0.370 ppbv

RT: 3.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 24769

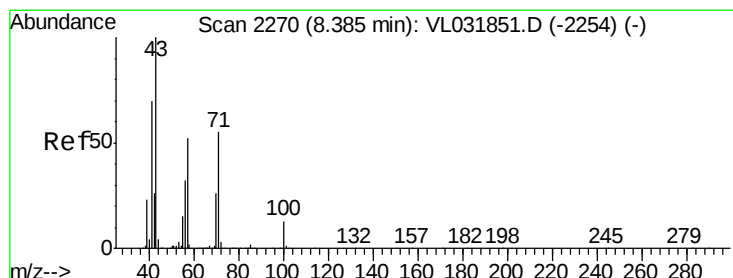
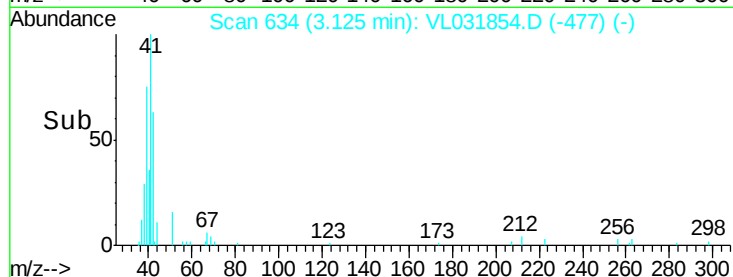
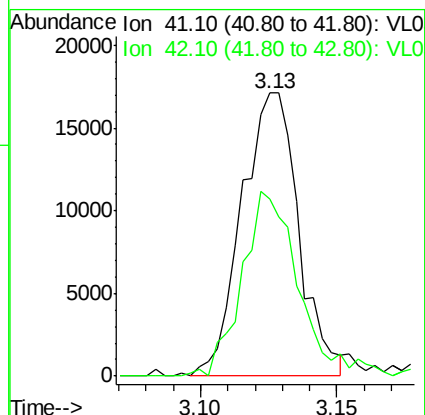
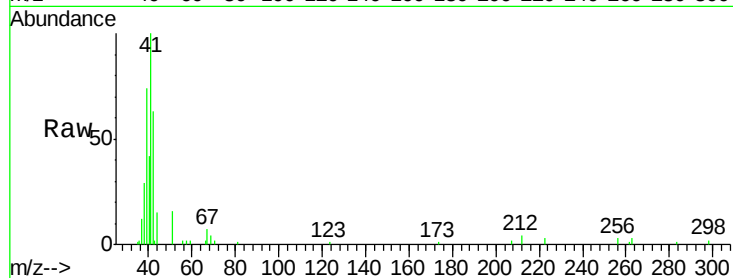
Ion Ratio Lower Upper

41 100

42 65.7 54.3 81.5

Manual Integrations
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#10

Heptane

Concen: 0.391 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VL031854.D

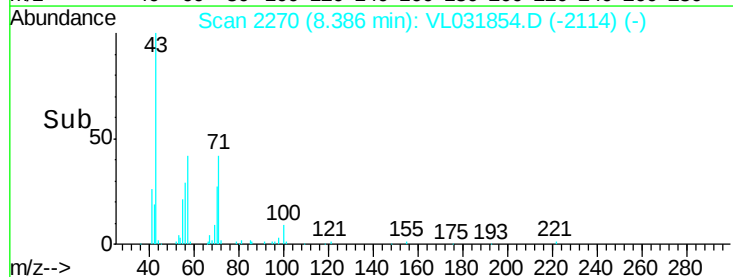
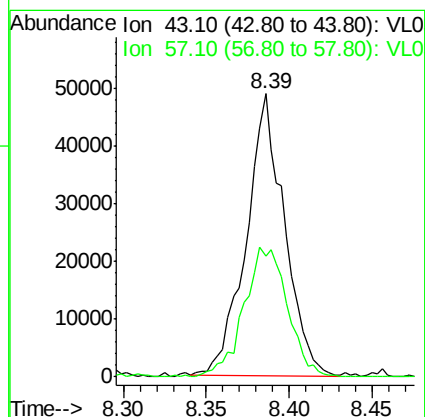
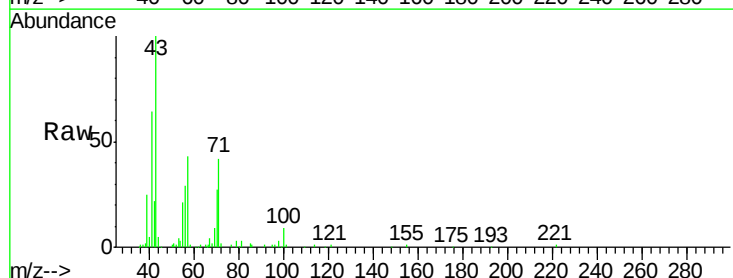
Acq: 12 Apr 2018 2:13

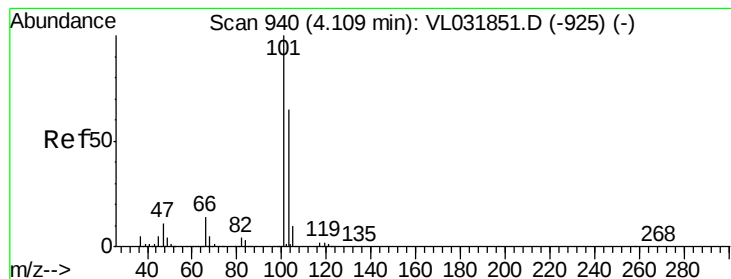
Tgt Ion: 43 Resp: 78072

Ion Ratio Lower Upper

43 100

57 52.6 41.4 62.2





#11

Trichlorofluoromethane

Concen: 0.606 ppbv

RT: 4.11 min Scan# 940

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 148862

Ion Ratio Lower Upper

101 100

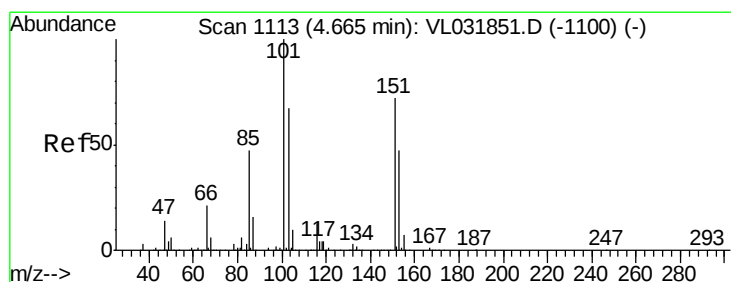
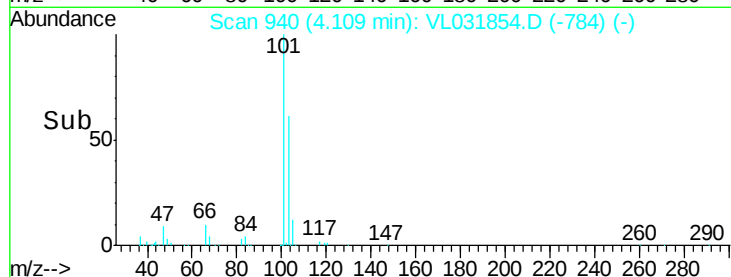
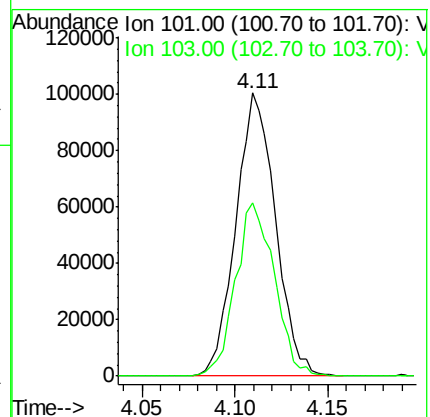
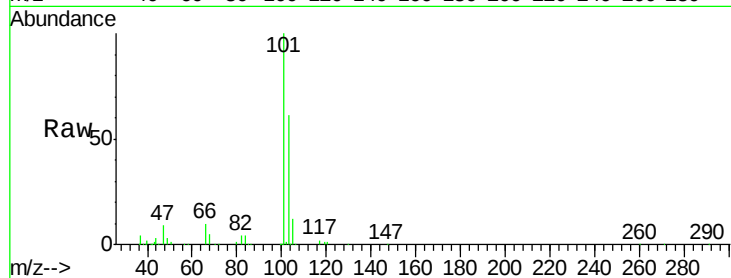
103 60.9 51.8 77.6

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.608 ppbv

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VL031854.D

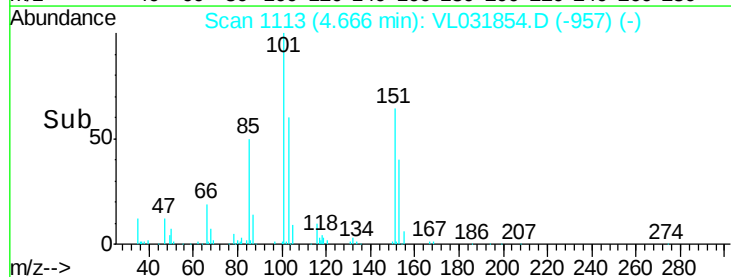
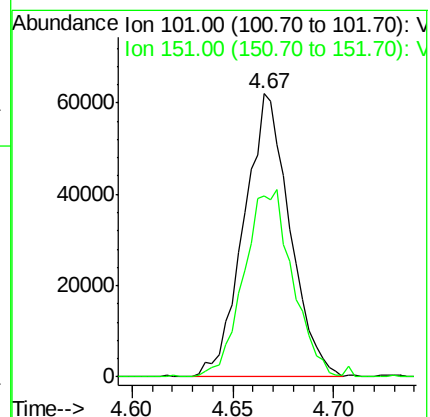
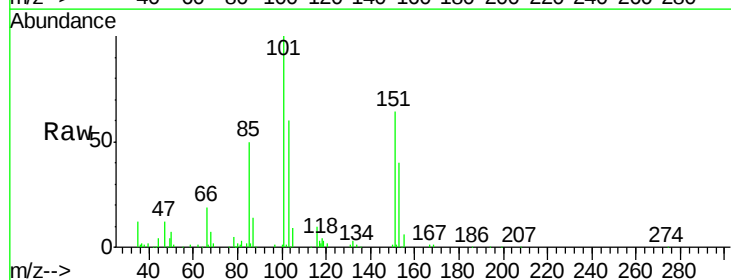
Acq: 12 Apr 2018 2:13

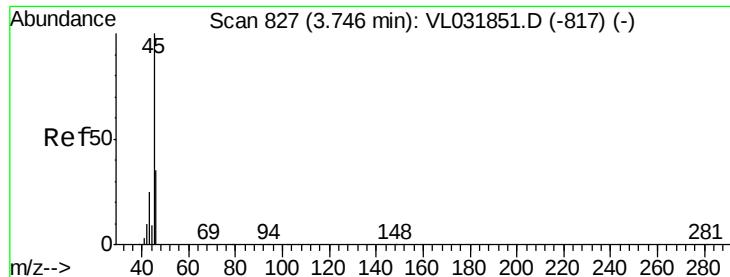
Tgt Ion:101 Resp: 98798

Ion Ratio Lower Upper

101 100

151 70.4 57.7 86.5





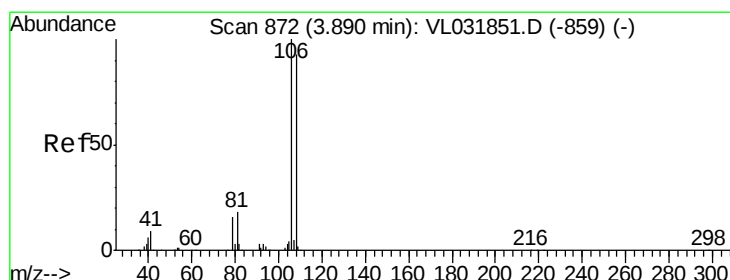
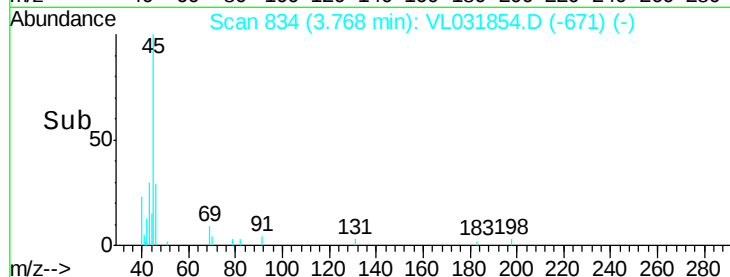
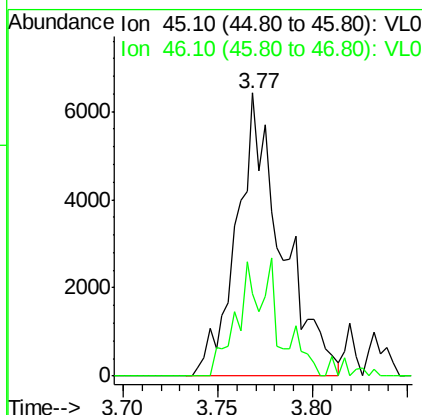
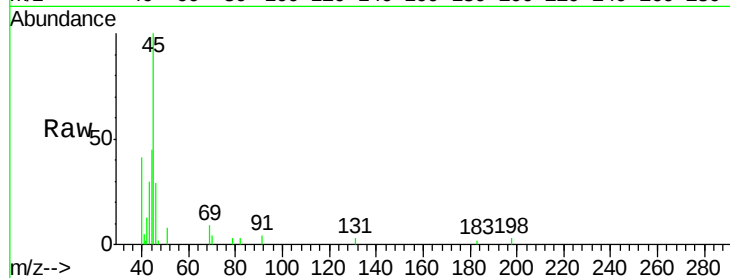
#13
Ethanol
Concen: 0.499 ppbv m
RT: 3.77 min Scan# 834
Delta R.T. 0.02 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.6	58.4

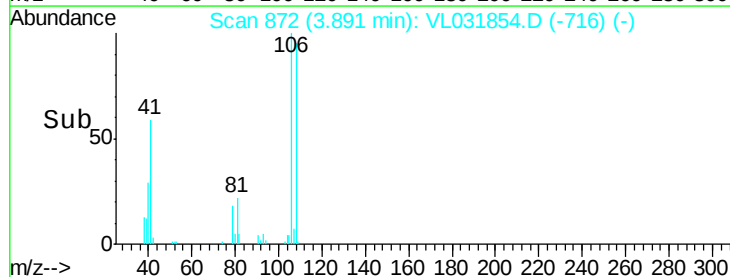
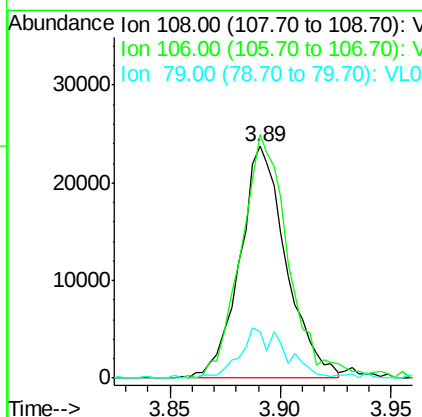
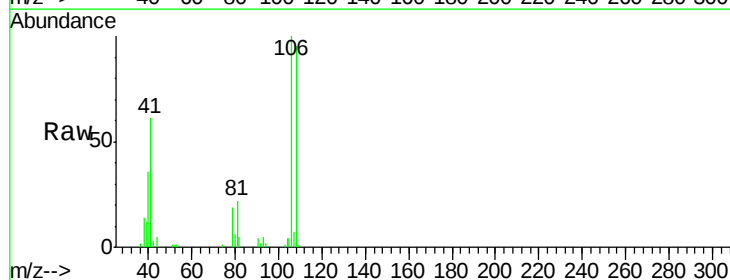
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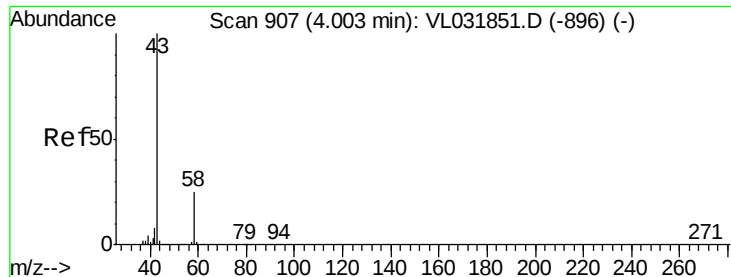
MMDadoda
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#14
Bromoethene
Concen: 0.526 ppbv
RT: 3.89 min Scan# 872
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.4	86.9	130.3
79	22.5	15.5	23.3





#15

Acetone

Concen: 0.515 ppbv

RT: 4.03 min Scan# 914

Delta R.T. 0.02 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 113668

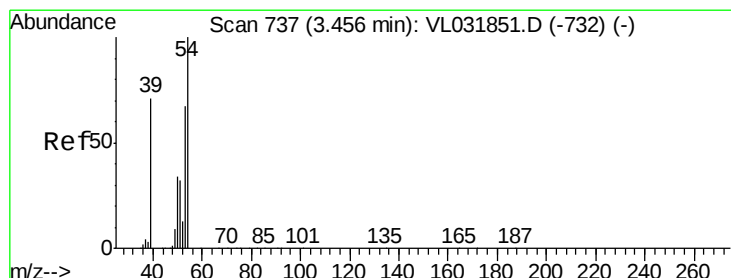
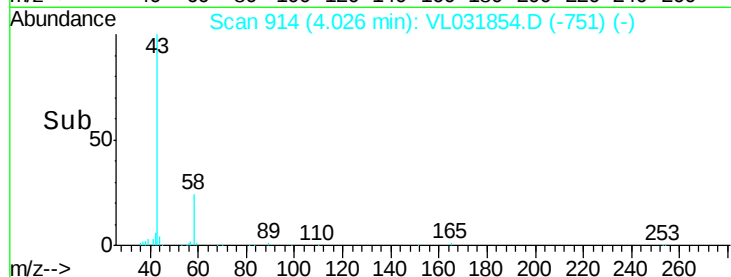
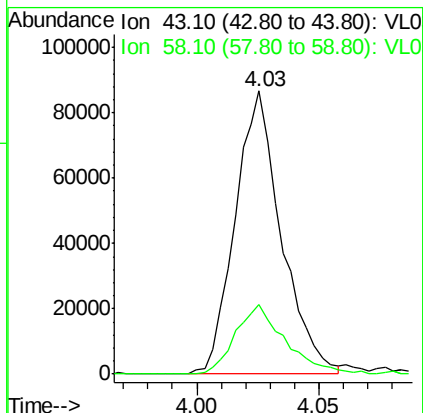
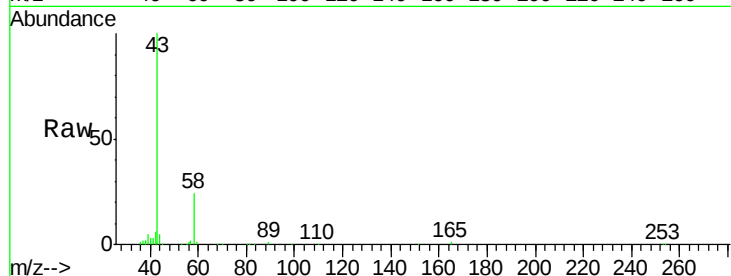
Ion Ratio Lower Upper

43 100

58 27.2 20.7 31.1

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#16

1,3-Butadiene

Concen: 0.474 ppbv

RT: 3.46 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL031854.D

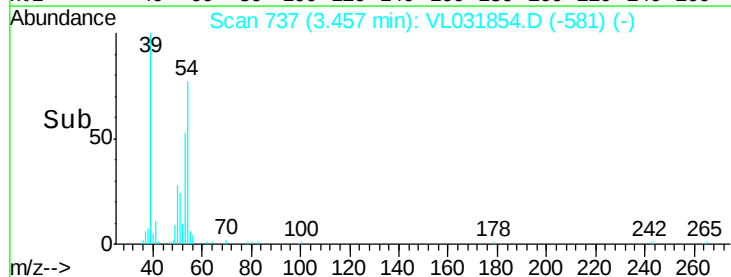
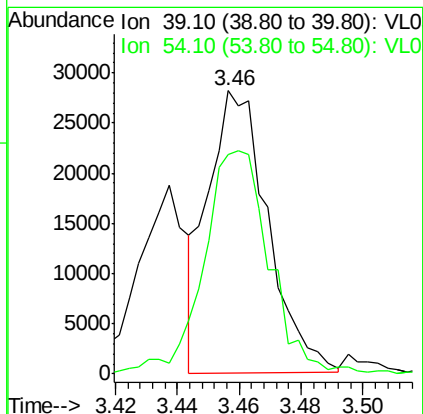
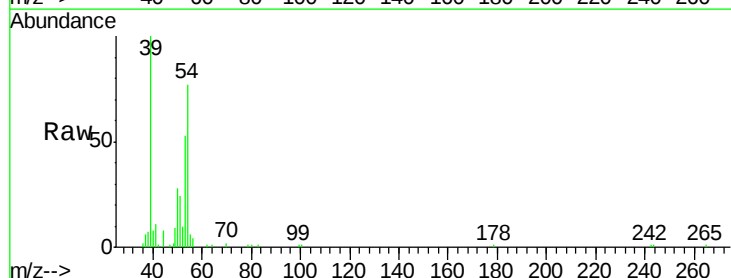
Acq: 12 Apr 2018 2:13

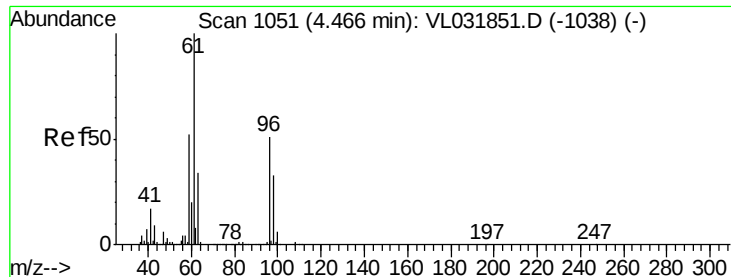
Tgt Ion: 39 Resp: 37847

Ion Ratio Lower Upper

39 100

54 87.6 67.5 101.3





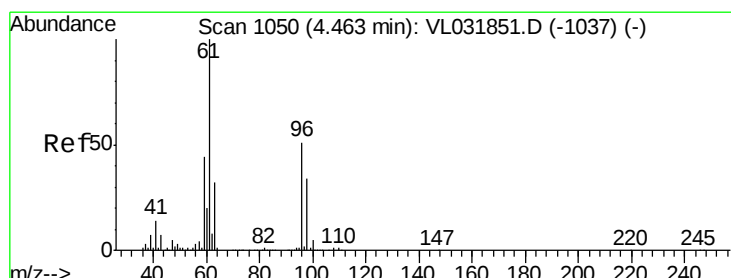
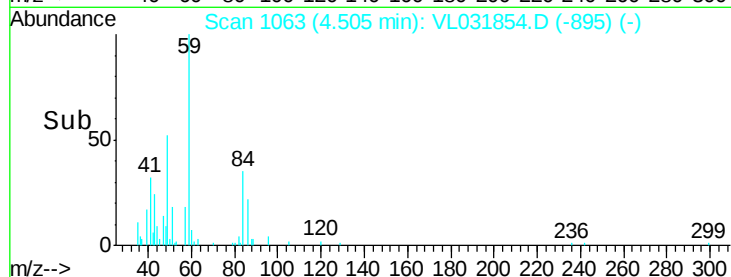
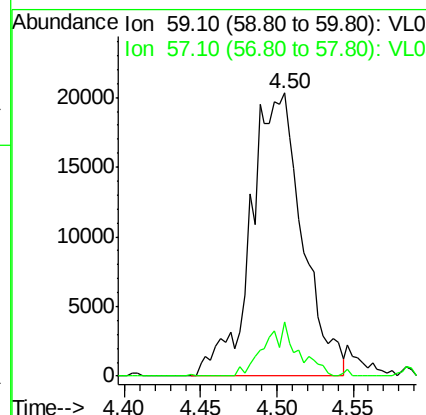
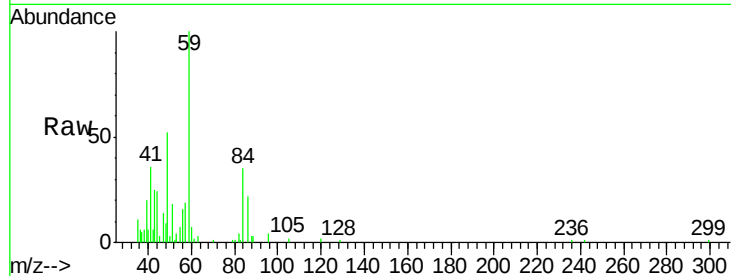
#17
tert-Butyl alcohol
Concen: 0.477 ppbv m
RT: 4.50 min Scan# 1063
Delta R.T. 0.04 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 47782
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

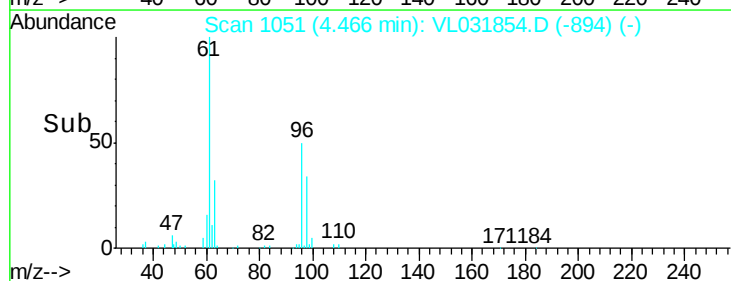
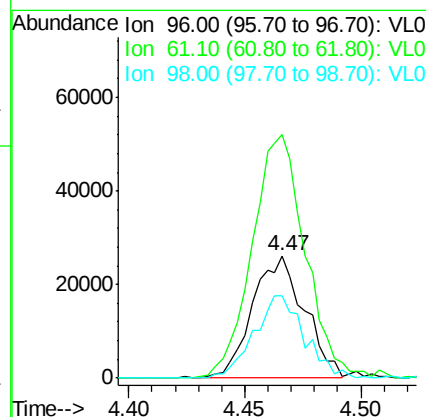
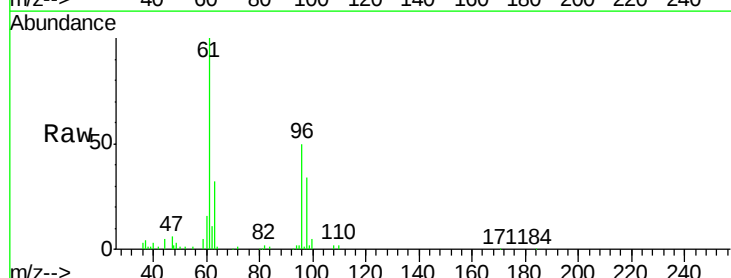
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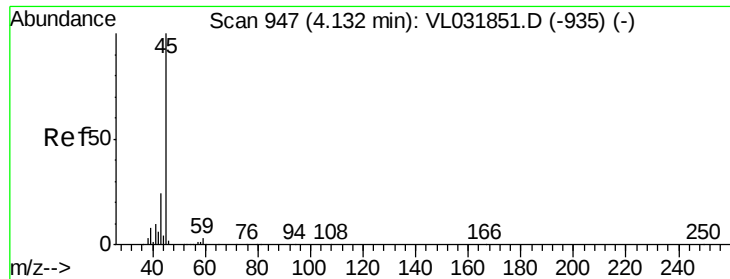
MMDadoda
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#18
1,1-Dichloroethene
Concen: 0.553 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion: 96 Resp: 40565
Ion Ratio Lower Upper
96 100
61 199.5 157.2 235.8
98 67.1 53.0 79.4





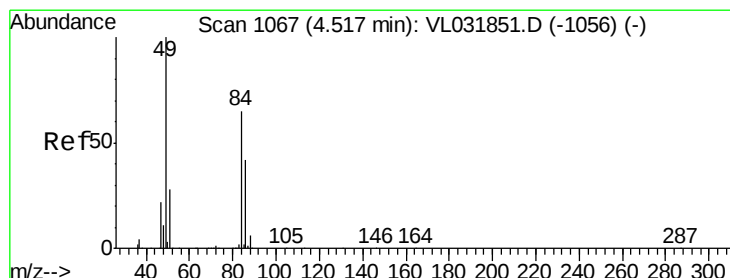
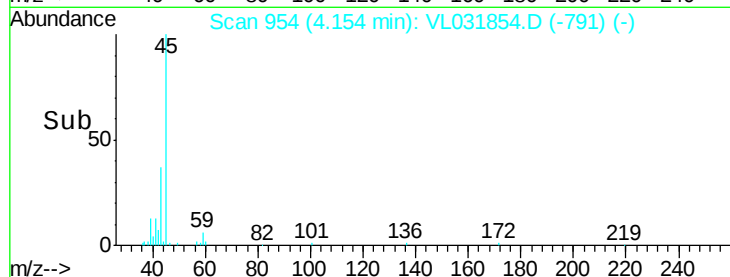
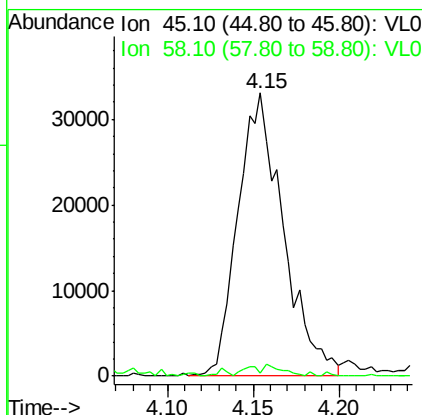
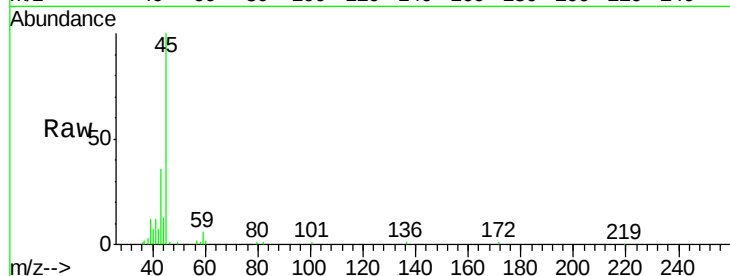
#19
Isopropyl Alcohol
Concen: 0.503 ppbv
RT: 4.15 min Scan# 954
Delta R.T. 0.02 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.4	2.0#

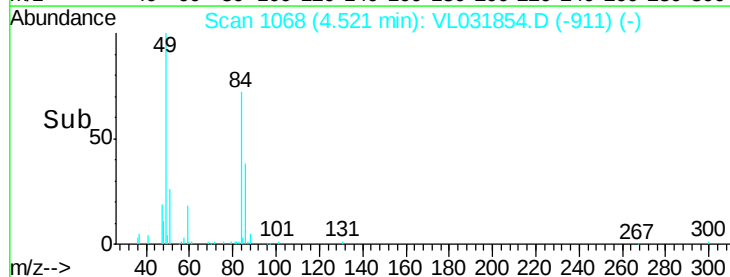
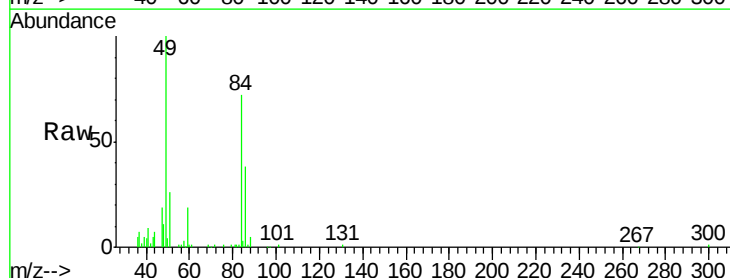
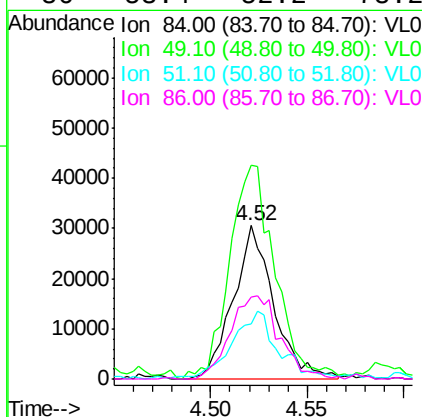
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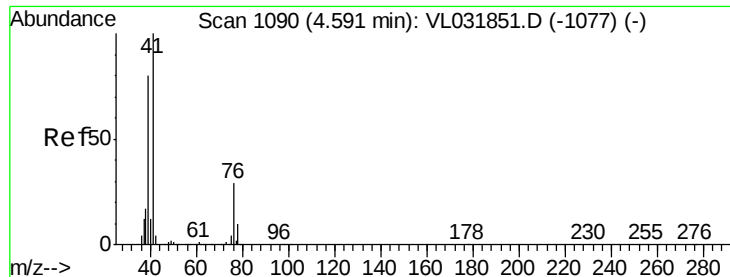
MMDadoda
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#20
Methylene Chloride
Concen: 0.605 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	123.3	184.9
51	34.2	35.0	52.6#
86	53.4	52.2	78.2





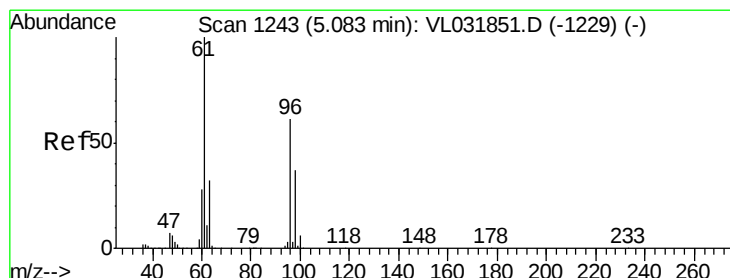
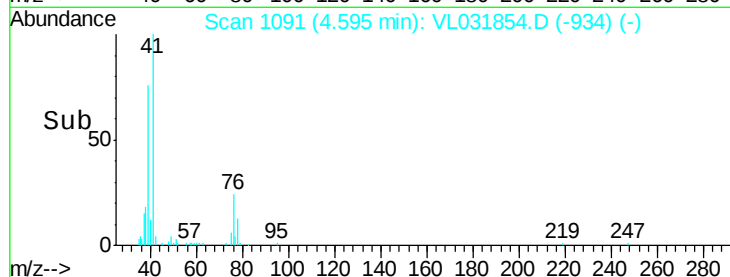
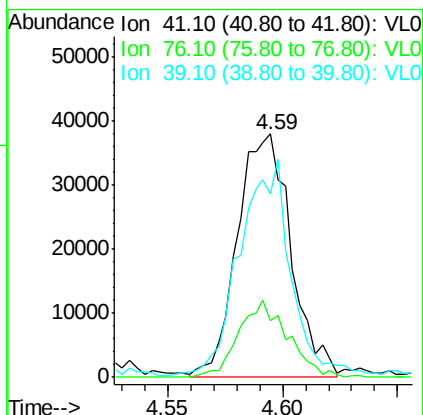
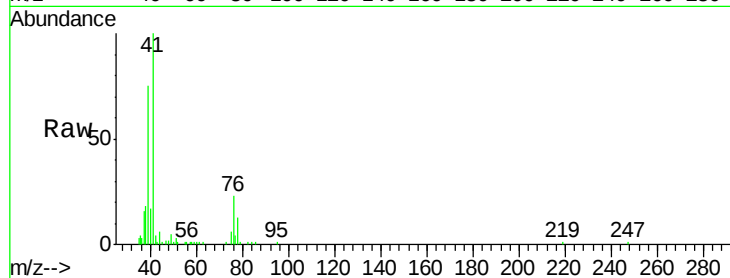
#21
Allvl Chloride
Concen: 0.524 ppbv m
RT: 4.59 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.4	35.0
39	81.5	65.4	98.2

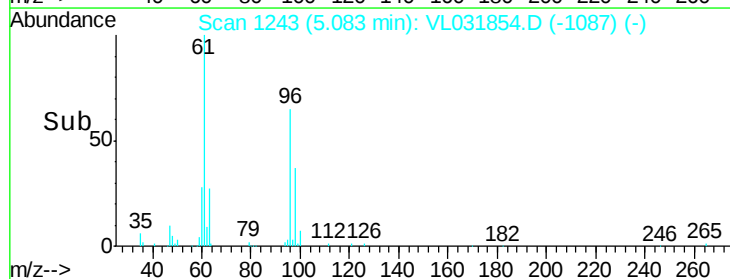
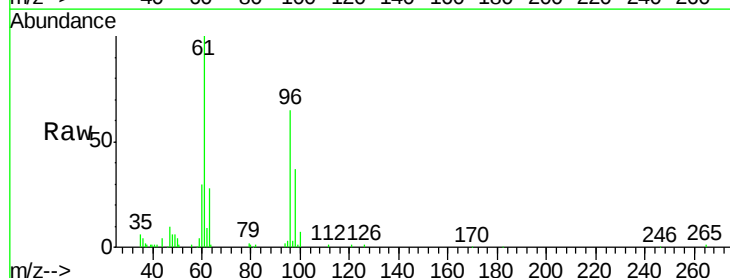
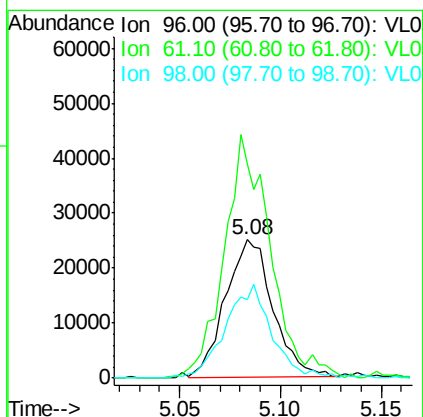
Manual Integrations
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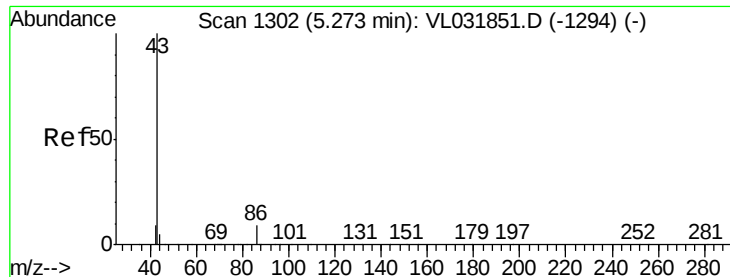
MMDadoda
4/15/2018 3:06:06 PM



#22
trans-1,2-Dichloroethene
Concen: 0.527 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	130.2	195.2
98	57.3	48.2	72.2





#23

Vinyl Acetate

Concen: 0.404 ppbv

RT: 5.28 min Scan# 1304

Delta R.T. 0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

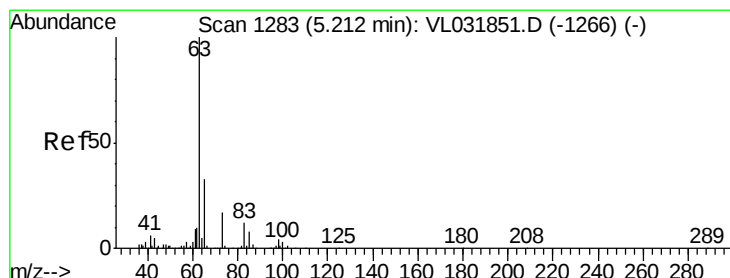
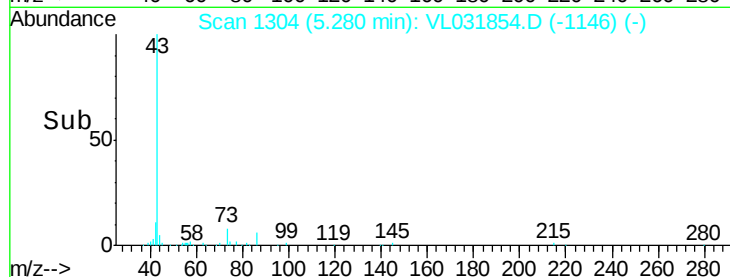
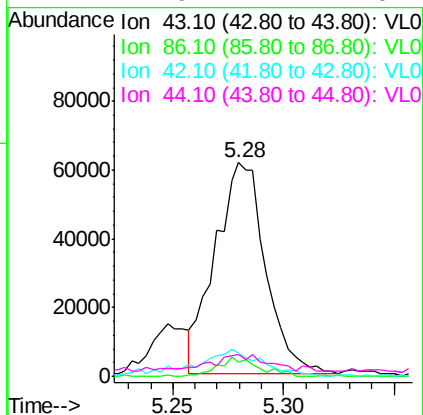
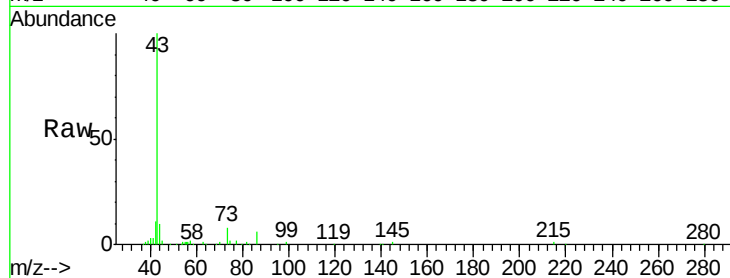
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	97369
Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.4	9.6#
42	10.8	8.2	12.2
44	7.9	4.1	6.1#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.562 ppbv

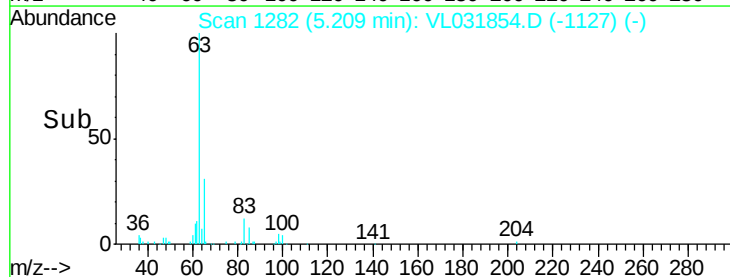
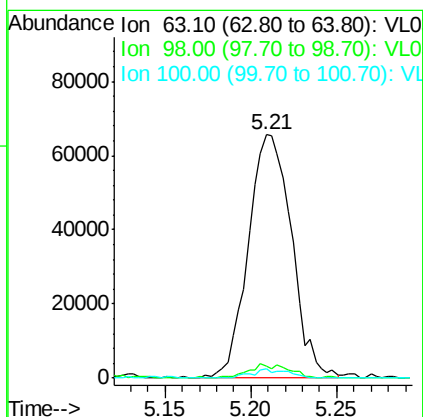
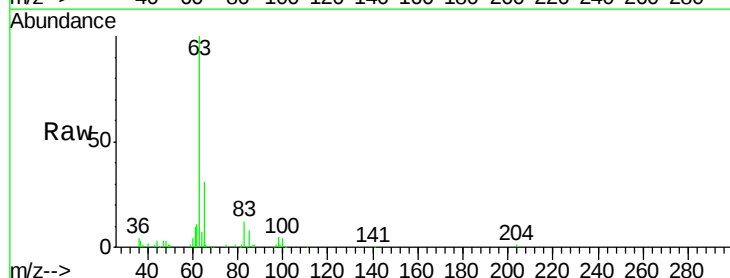
RT: 5.21 min Scan# 1282

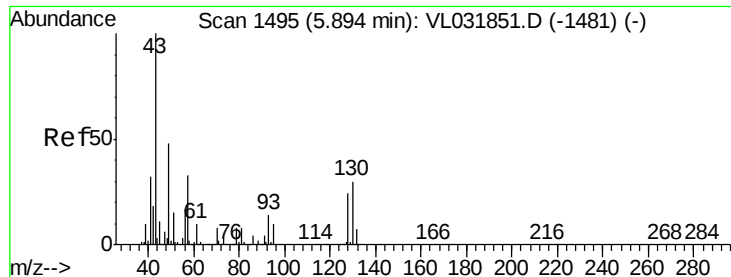
Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion	63	Resp	114694
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.2	6.6
100	4.1	1.7	5.0





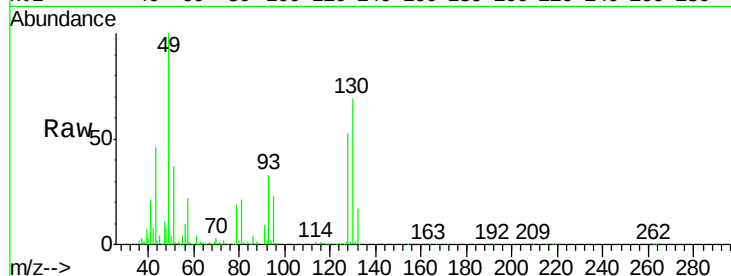
#25
Ethyl Acetate
Concen: 0.486 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.8	11.8
61	10.5	7.5	11.3
70	7.2	5.8	8.8

Manual Integrations
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MMDadoda
4/15/2018 3:06:06 PM



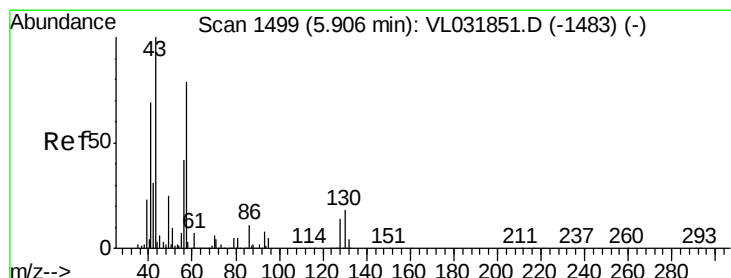
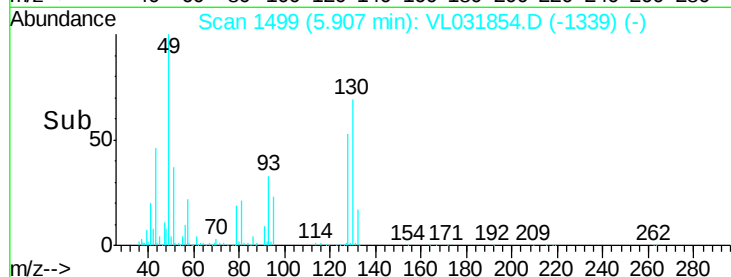
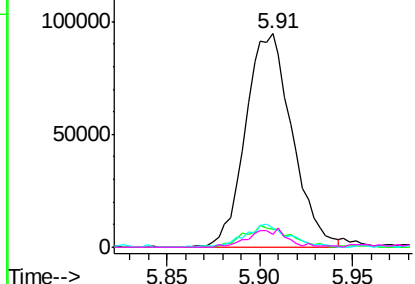
Abundance

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: 0.482 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.4	71.7	107.5
43	225.2	172.0	258.0
56	53.9	41.5	62.3

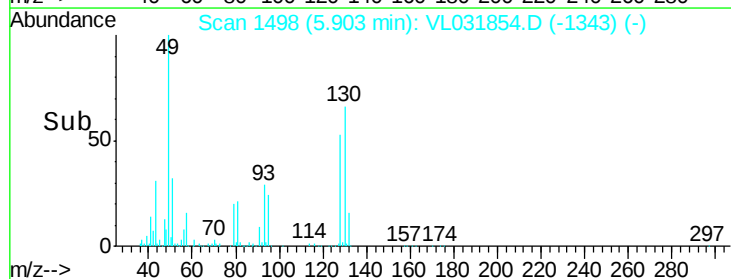
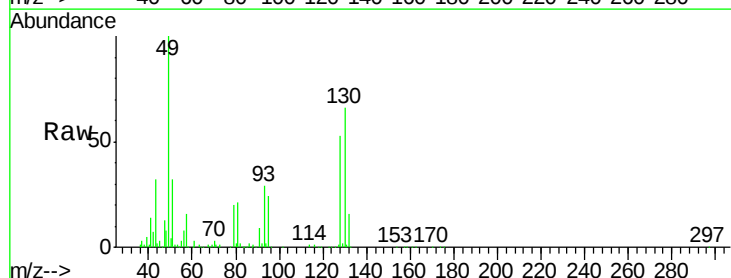
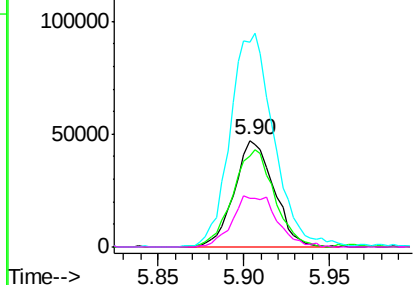
Abundance

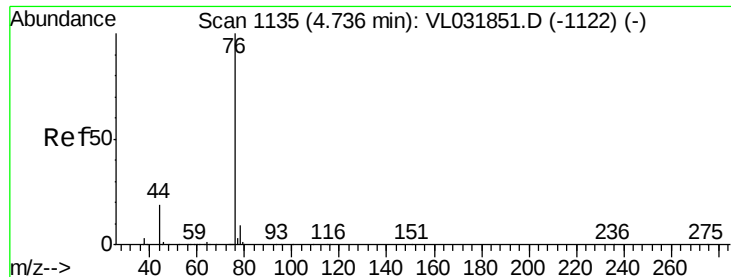
Ion 57.10 (56.80 to 57.80): VL0

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





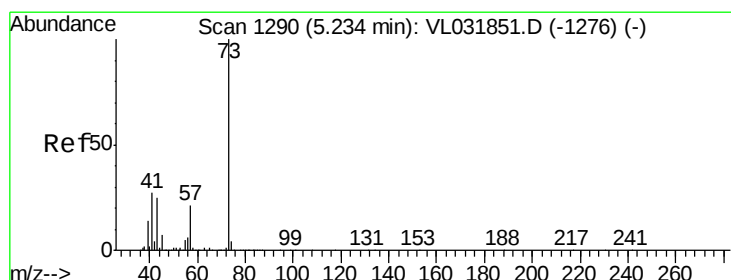
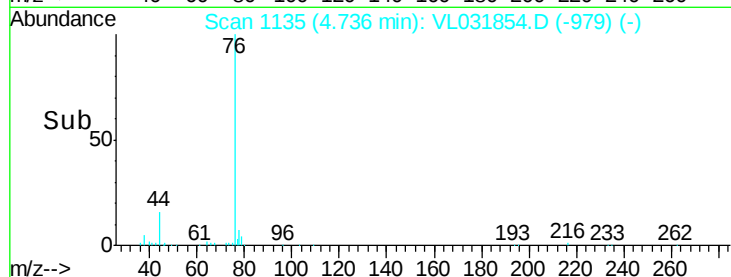
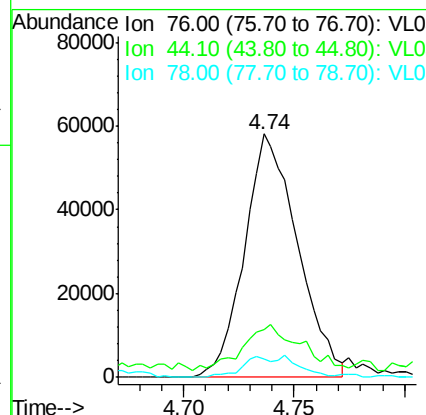
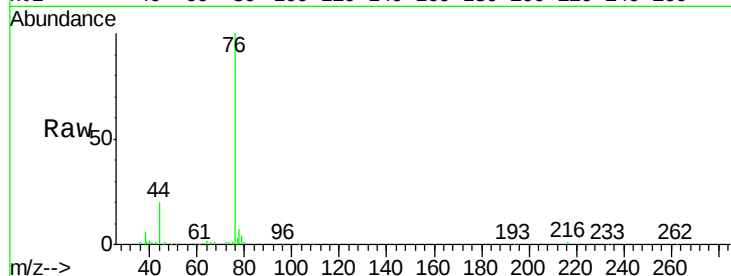
#27
Carbon Disulfide
Concen: 0.567 ppbv
RT: 4.74 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.9	14.8	22.2#
78	9.4	7.4	11.2

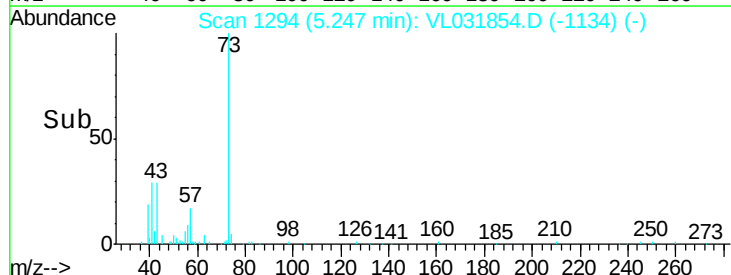
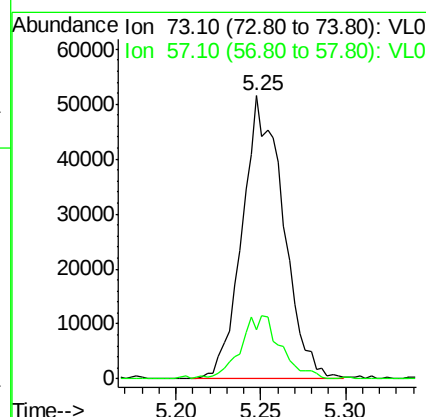
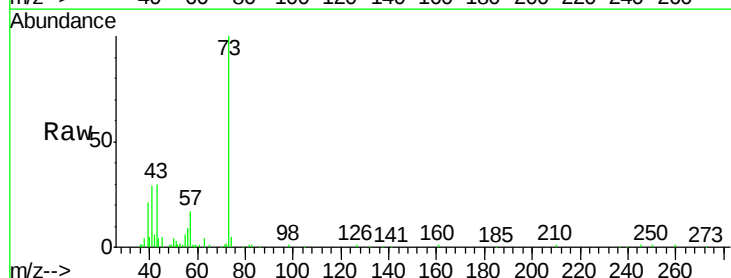
Manual Integrations
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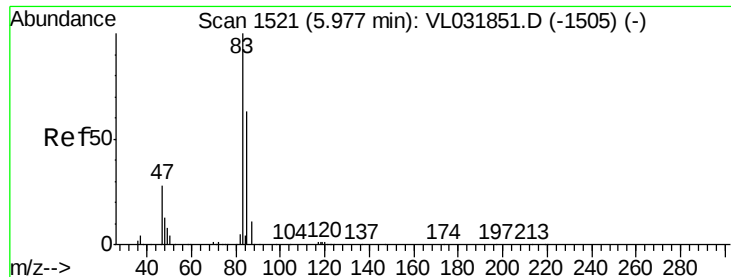
MMDadoda
4/15/2018 3:06:06 PM



#28
Methyl tert-Butyl Ether
Concen: 0.409 ppbv m
RT: 5.25 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.3	25.9#





#29

Chloroform

Concen: 0.558 ppbv

RT: 5.97 min Scan# 1520

Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 139067

Ion Ratio Lower Upper

83 100

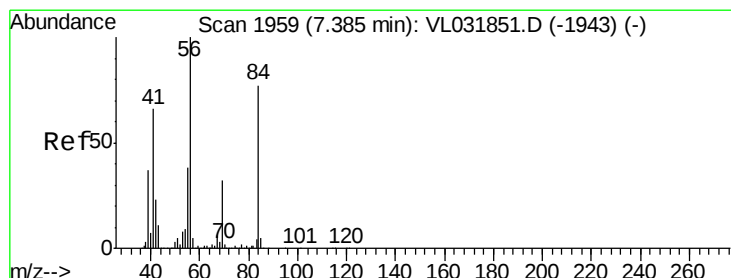
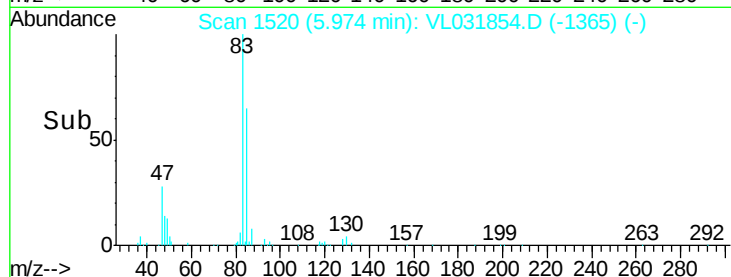
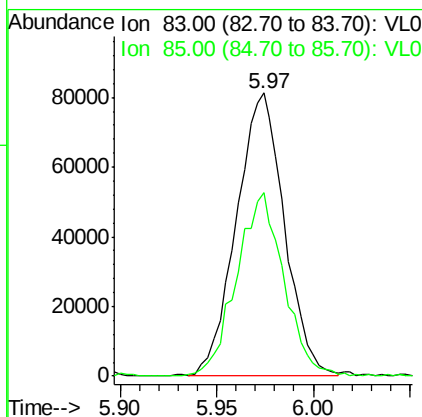
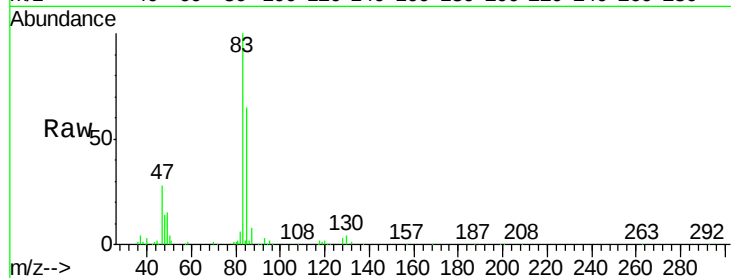
85 64.8 50.4 75.6

Manual Integrations

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MMDadoda

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#30

Cyclohexane

Concen: 0.377 ppbv m

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

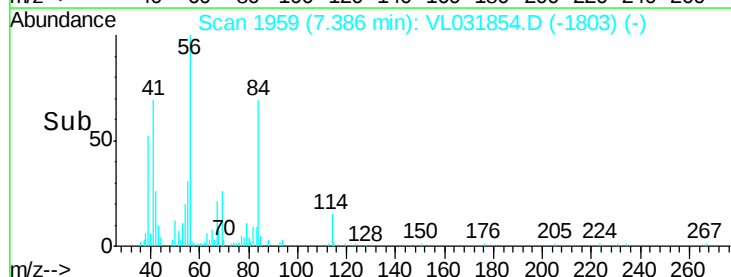
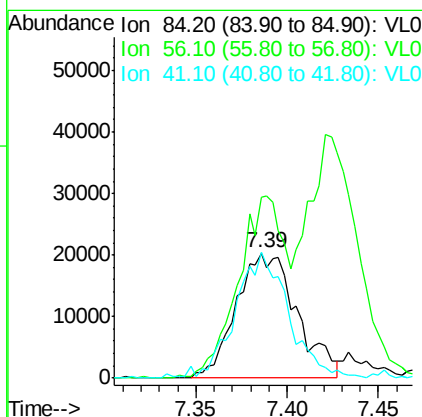
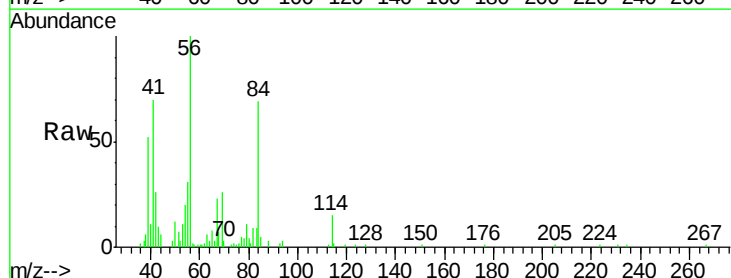
Tgt Ion: 84 Resp: 47102

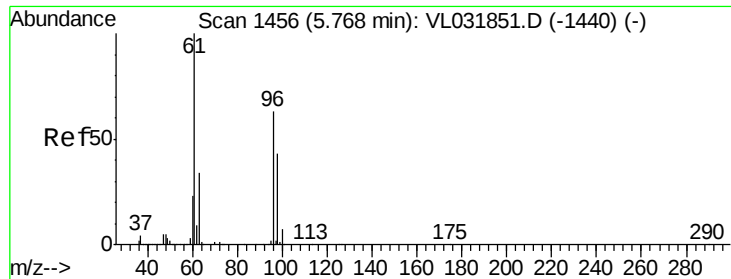
Ion Ratio Lower Upper

84 100

56 104.6 108.6 162.8#

41 89.8 67.8 101.8





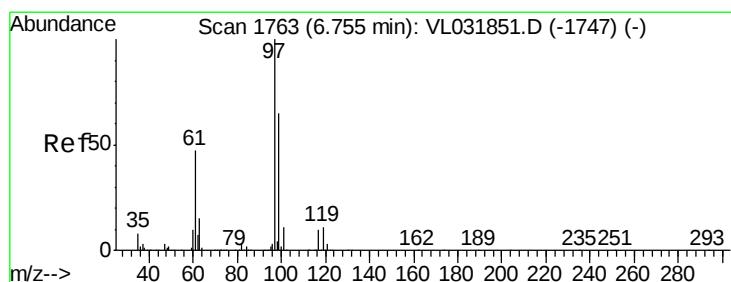
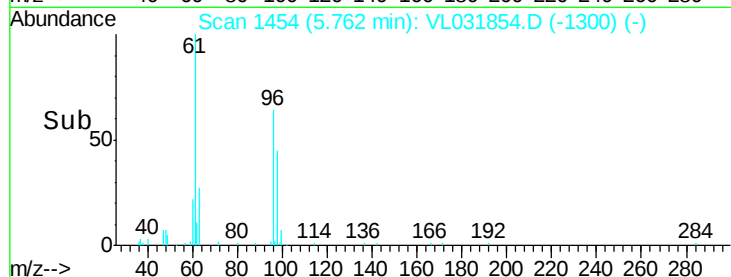
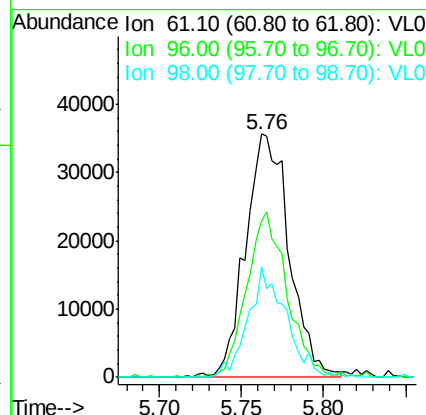
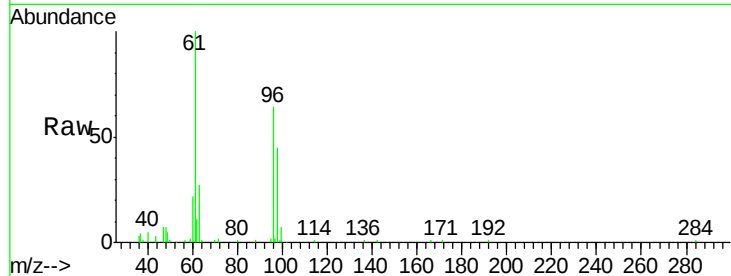
#31
 cis-1,2-Dichloroethene
 Concen: 0.453 ppbv m
 RT: 5.76 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100	65893		
96	64.5		50.4	75.6
98	45.4		34.1	51.1

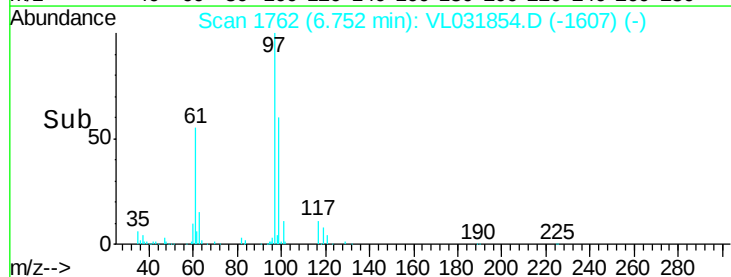
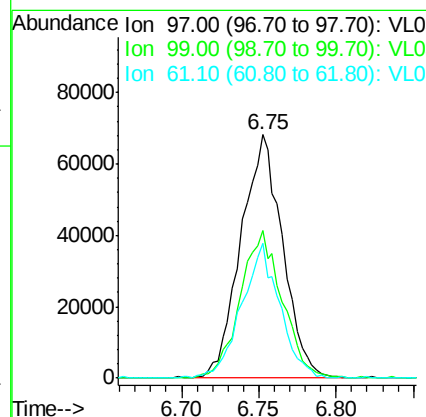
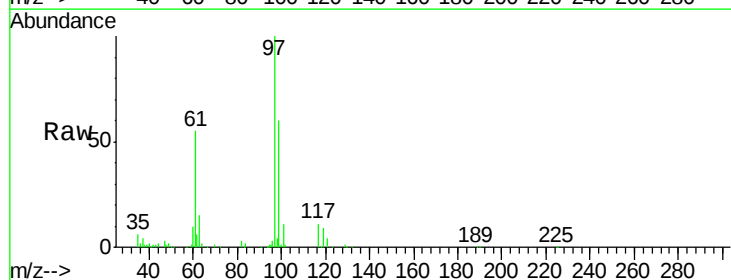
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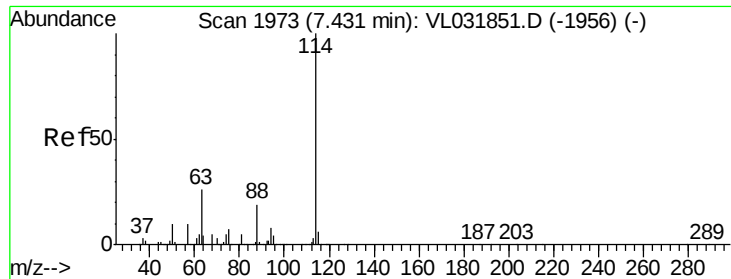
MMDadoda
 4/15/2018 3:06:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.489 ppbv
 RT: 6.75 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	127840		
99	61.0		51.5	77.3
61	50.7		39.0	58.4





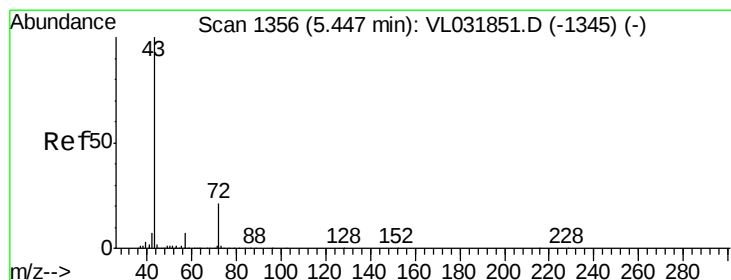
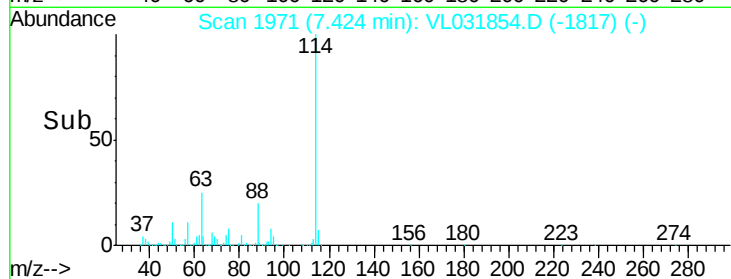
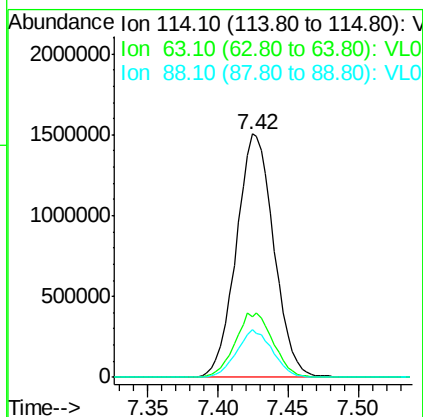
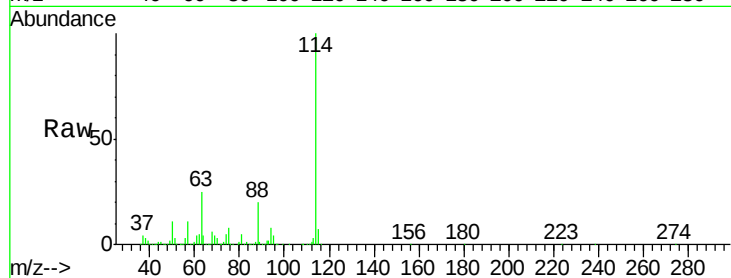
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.4	32.2
88	18.7	14.7	22.1

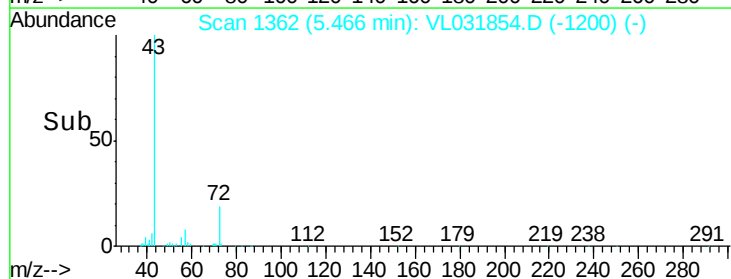
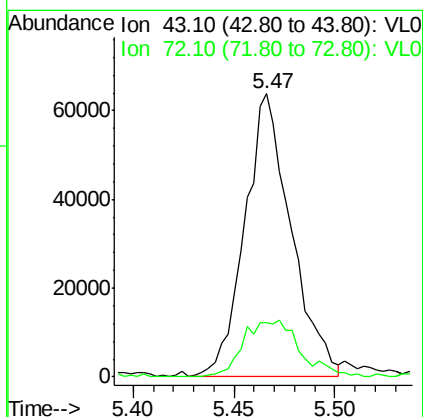
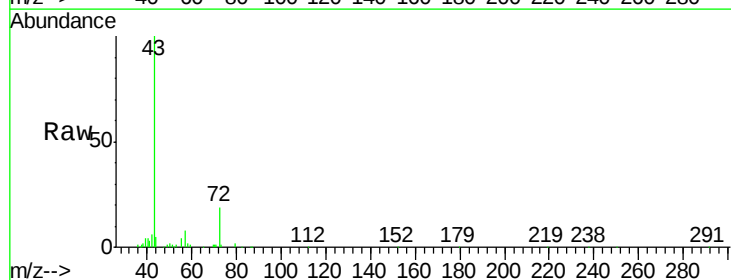
Manual Integrations
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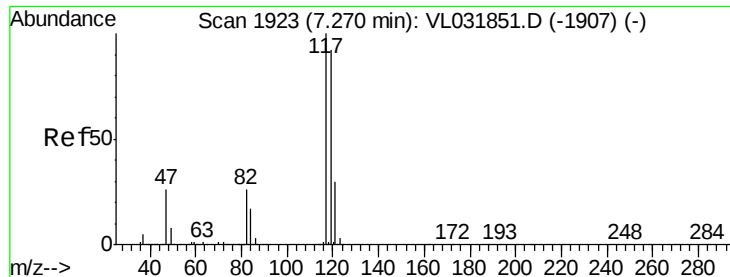
MMDadoda
 4/15/2018 3:06:06 PM



#34
 2-Butanone
 Concen: 0.533 ppbv
 RT: 5.47 min Scan# 1362
 Delta R.T. 0.02 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.6	28.0





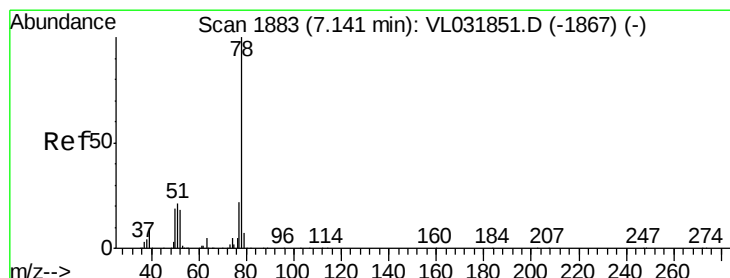
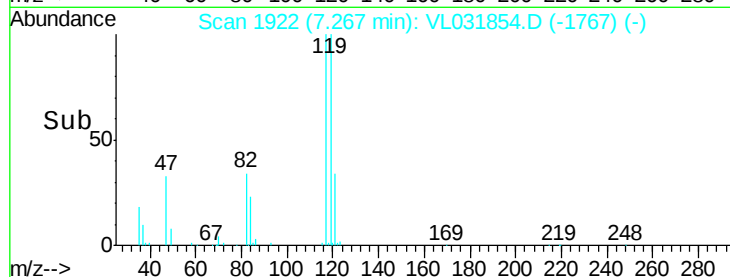
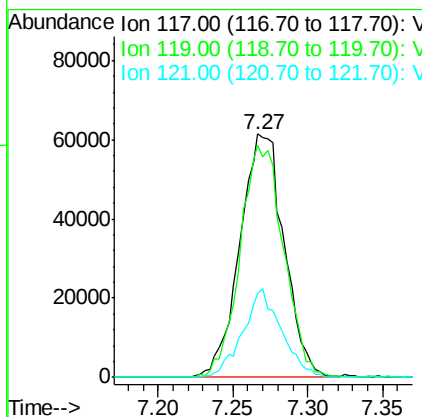
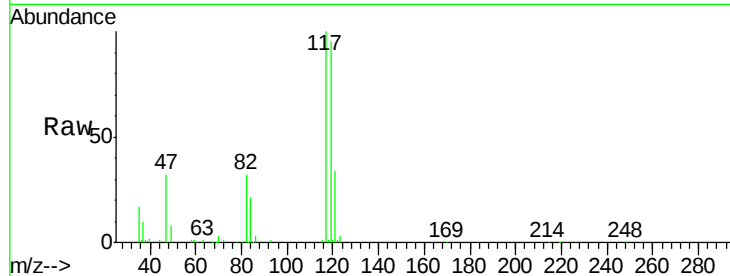
#35
Carbon Tetrachloride
Concen: 0.600 ppbv m
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.4	110.0
121	34.1	24.2	36.4

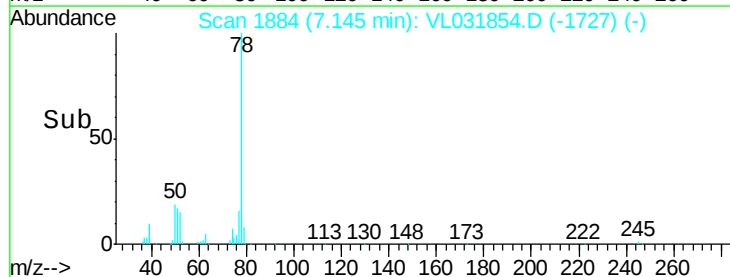
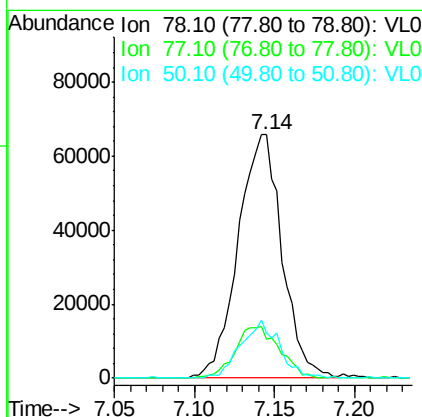
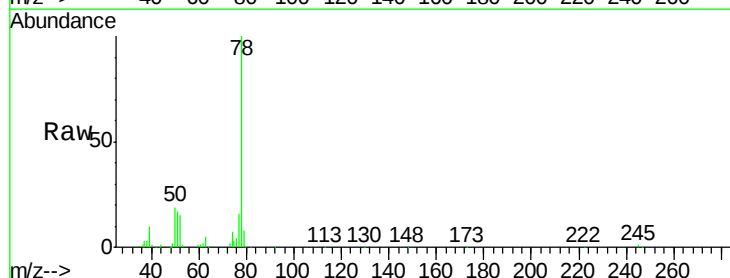
Manual Integrations
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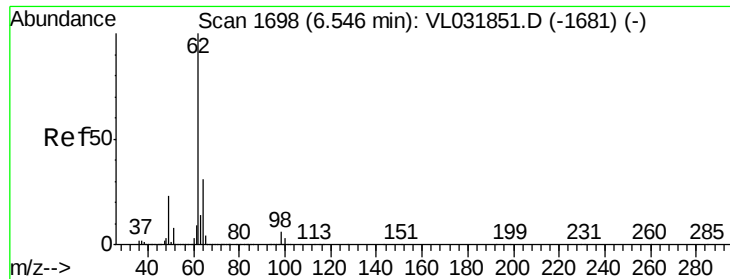
MMDadoda
4/15/2018 3:06:06 PM



#36
Benzene
Concen: 0.467 ppbv
RT: 7.14 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	16.2	17.8	26.8#
50	18.6	15.0	22.6





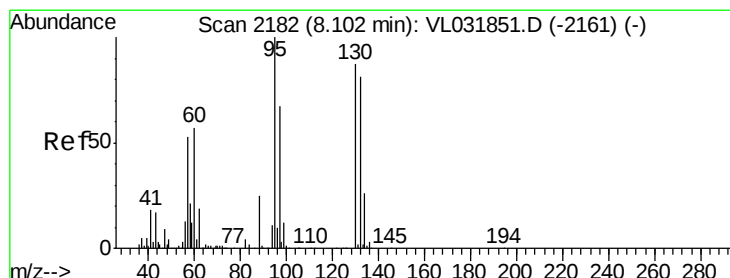
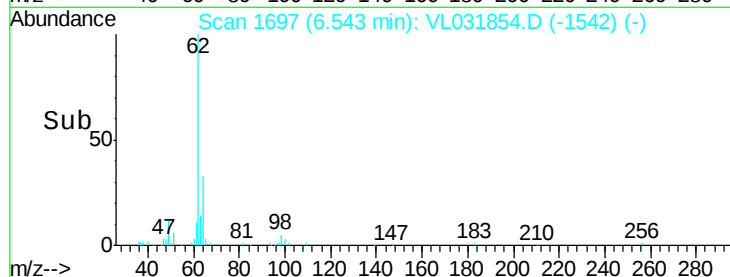
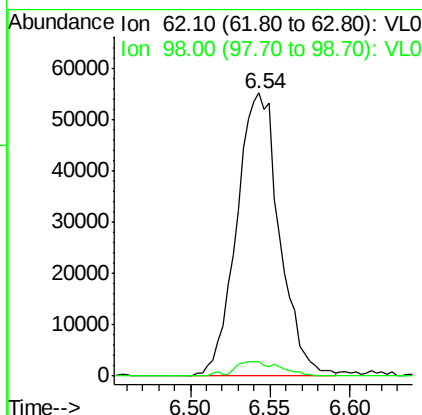
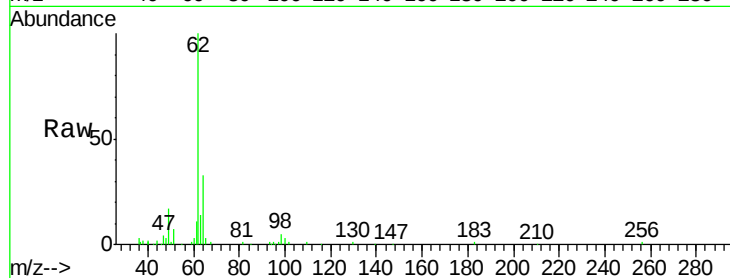
#37
 1,2-Dichloroethane
 Concen: 0.585 ppbv m
 RT: 6.54 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	102962		
98	5.6	4.5	6.7	

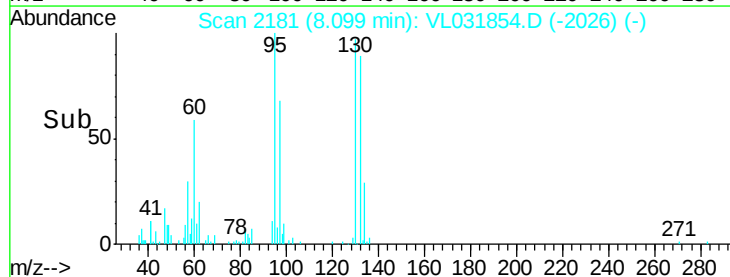
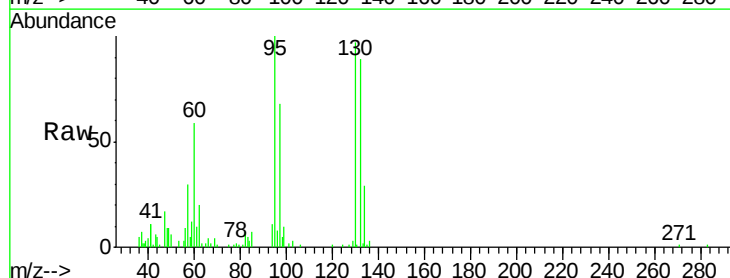
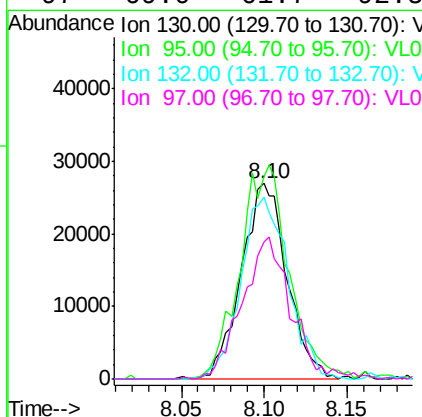
Manual Integrations
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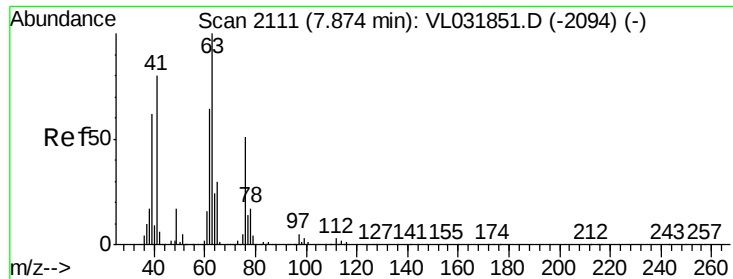
MMDadoda
 4/15/2018 3:06:06 PM



#38
 Trichloroethene
 Concen: 0.482 ppbv
 RT: 8.10 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	51560		
95	102.2	92.1	138.1	
132	92.0	74.8	112.2	
97	69.0	61.7	92.5	





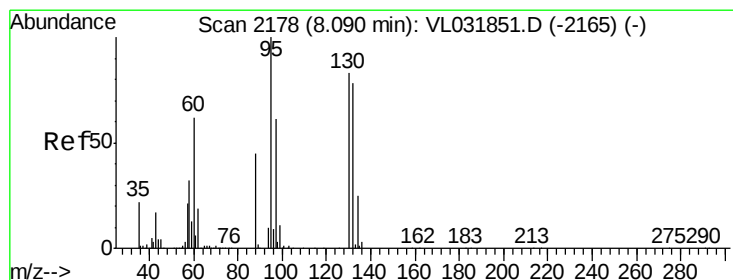
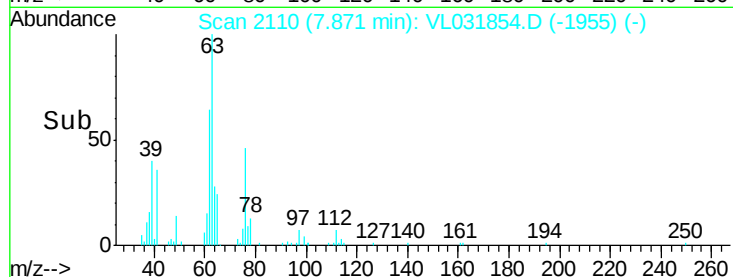
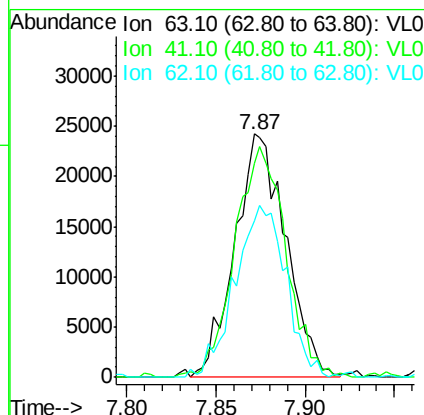
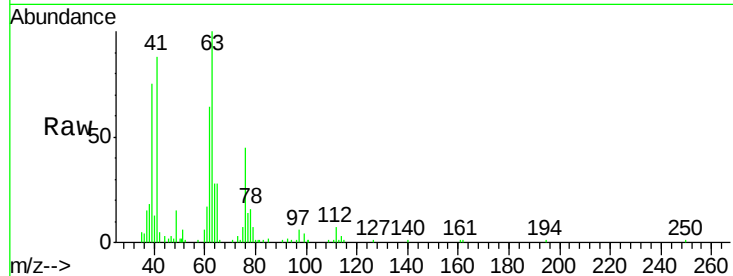
#39
 1,2-Dichloropropane
 Concen: 0.505 ppbv
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	86.0	64.1	96.1
62	63.4	51.5	77.3

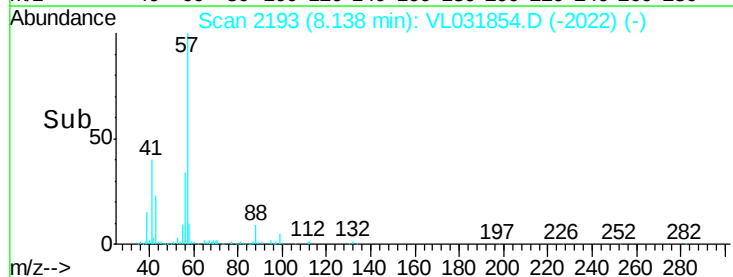
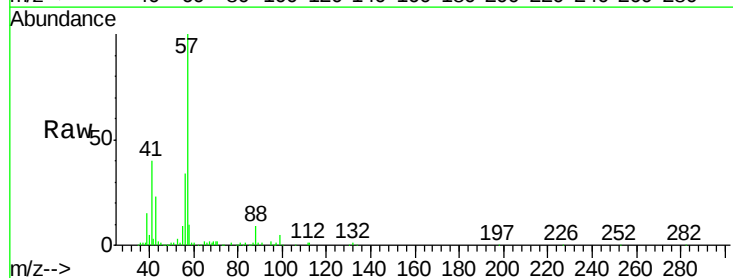
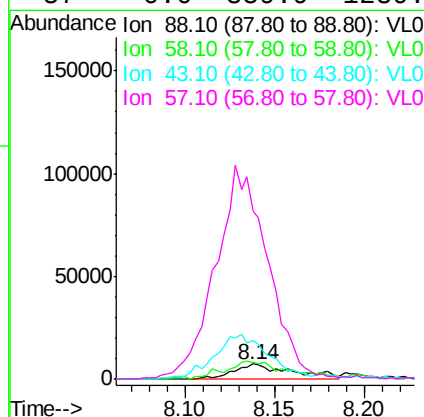
Manual Integrations
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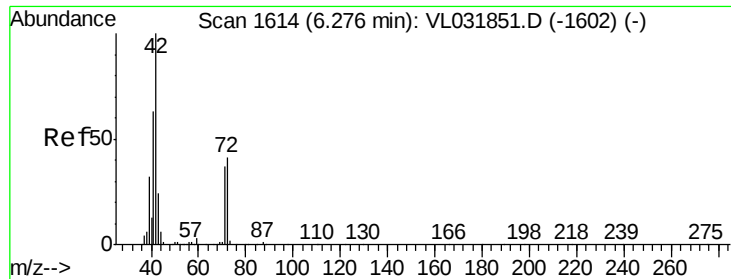
MMDadoda
 4/15/2018 3:06:06 PM



#40
 1,4-Dioxane
 Concen: 0.435 ppbv m
 RT: 8.14 min Scan# 2193
 Delta R.T. 0.05 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.3	148.9#
43	0.0	197.3	295.9#
57	0.0	859.9	1289.9#





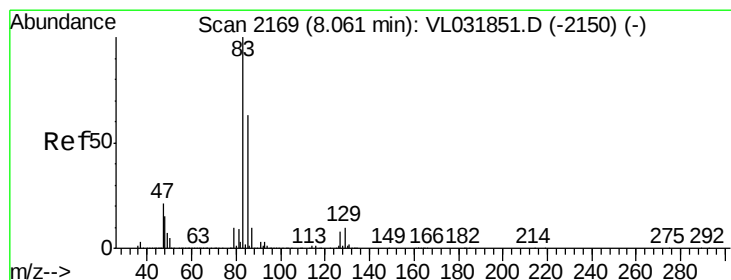
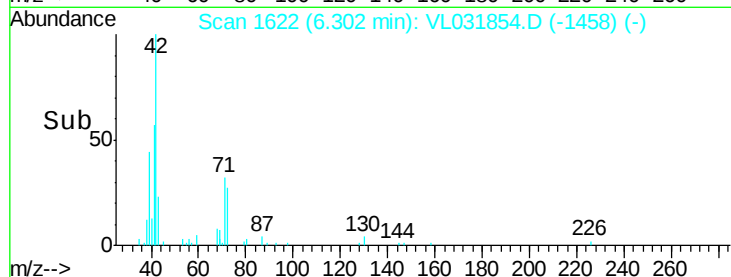
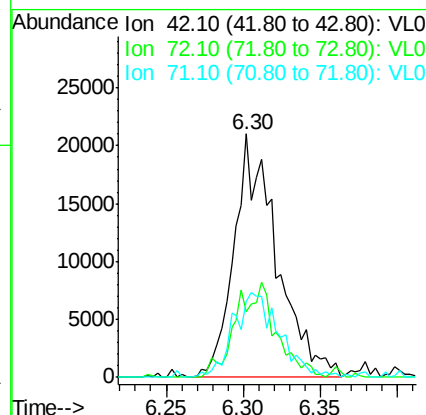
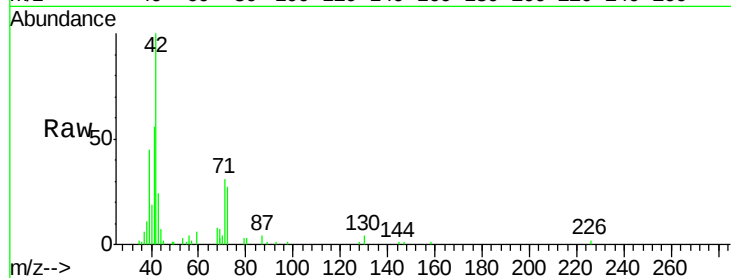
#41
Tetrahydrofuran
Concen: 0.418 ppbv m
RT: 6.30 min Scan# 1622
Delta R.T. 0.03 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.5	48.7#
71	39.0	31.3	46.9

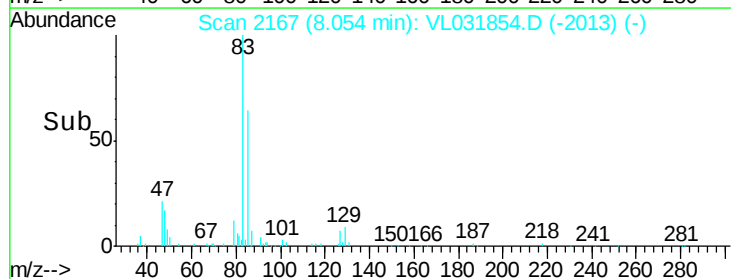
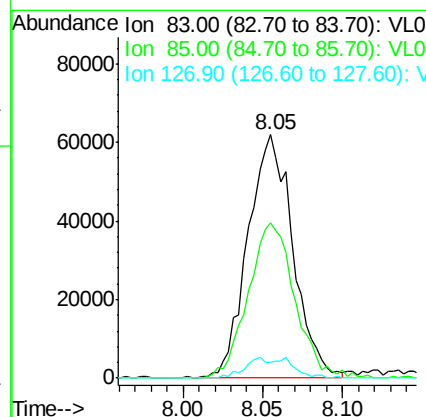
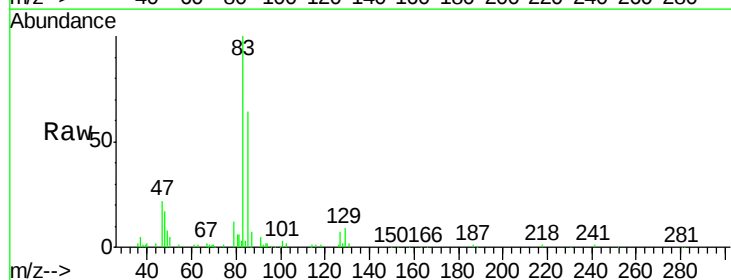
Manual Integrations
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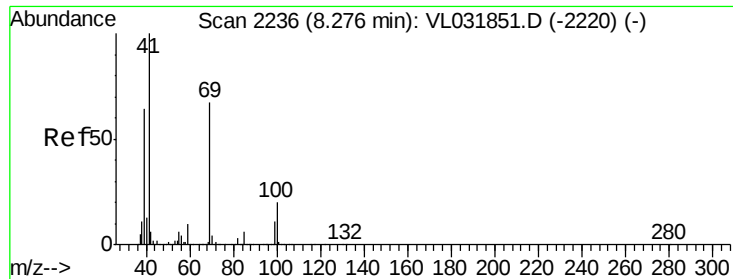
MMDadoda
4/15/2018 3:06:06 PM



#42
Bromodichloromethane
Concen: 0.570 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	6.7	6.1	9.1





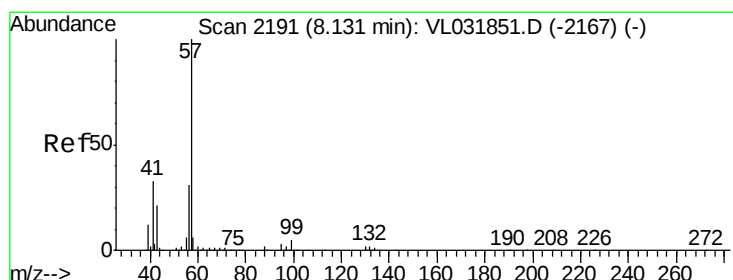
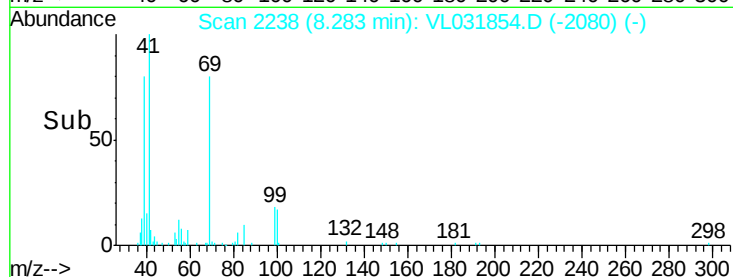
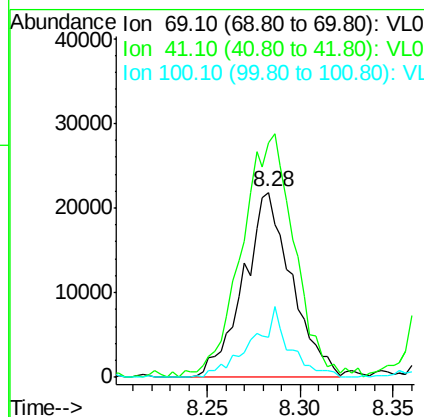
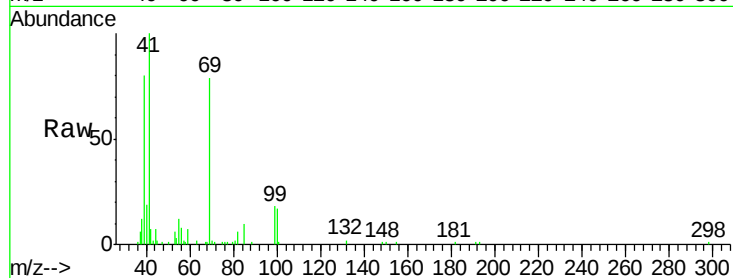
#43
Methvl Methacrylate
Concen: 0.425 ppbv
RT: 8.28 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.5	119.8	179.8
100	29.9	24.9	37.3

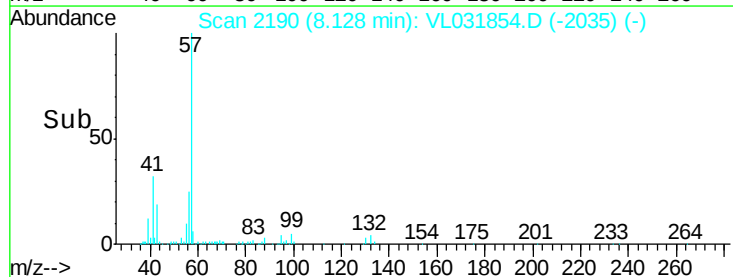
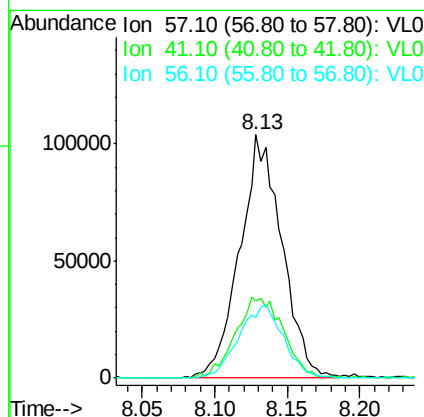
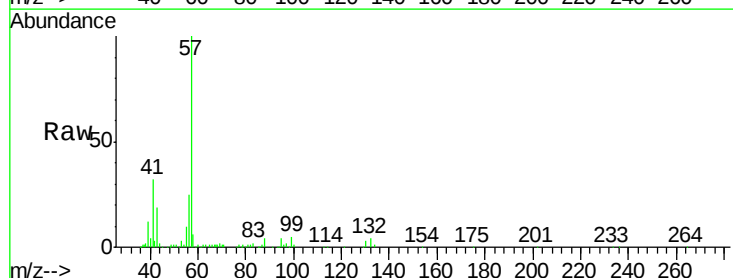
Manual Integrations
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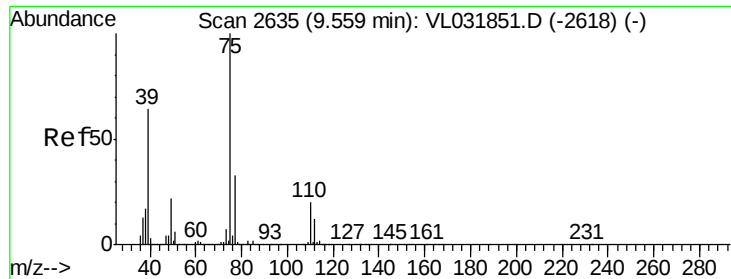
MMDadoda
4/15/2018 3:06:06 PM



#44
2,2,4-Trimethylpentane
Concen: 0.486 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.0	26.5	39.7
56	32.1	24.2	36.4





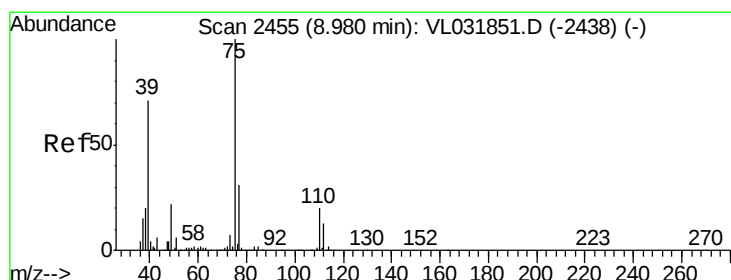
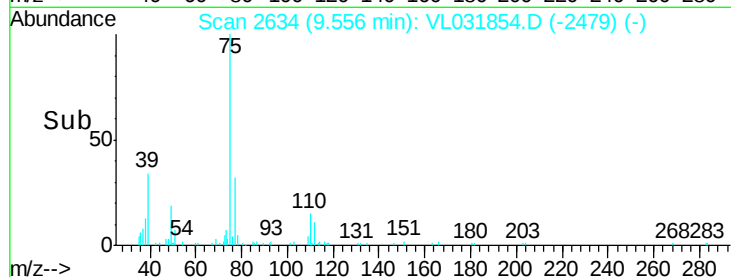
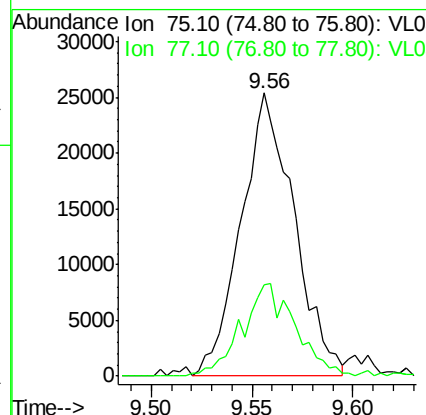
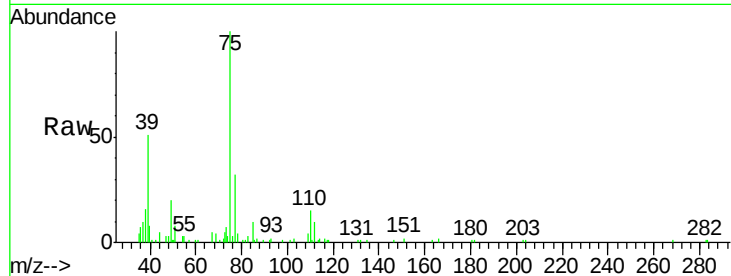
#45
t-1,3-Dichloropropene
Concen: 0.370 ppbv
RT: 9.56 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 46712
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4

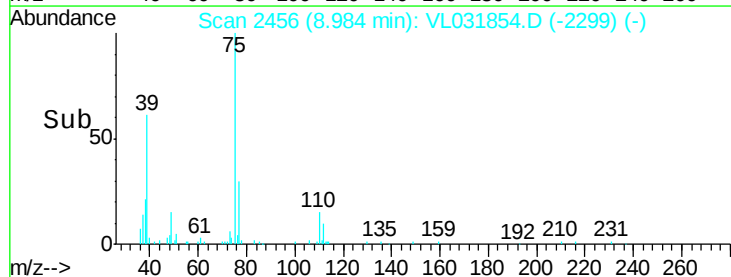
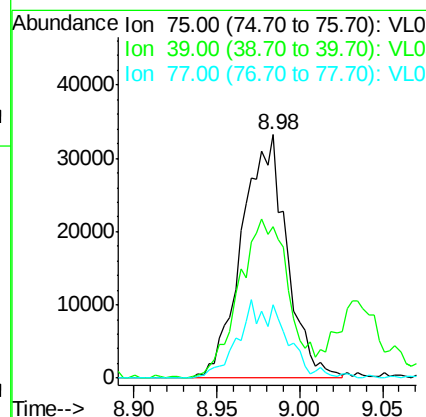
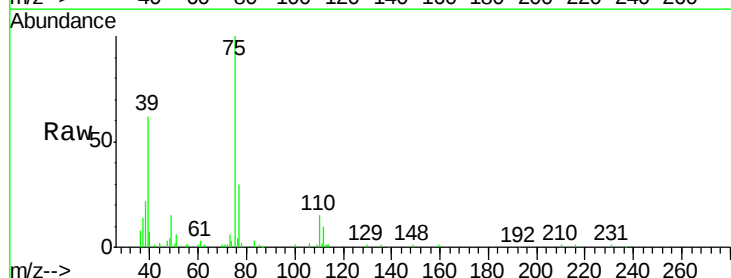
Manual Integrations
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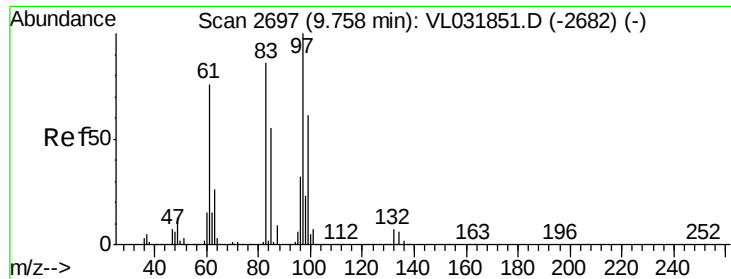
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.397 ppbv
RT: 8.98 min Scan# 2456
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion: 75 Resp: 62665
Ion Ratio Lower Upper
75 100
39 61.3 56.9 85.3
77 30.1 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.554 ppbv m

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 97 Resp: 60331

Ion Ratio Lower Upper

97 100

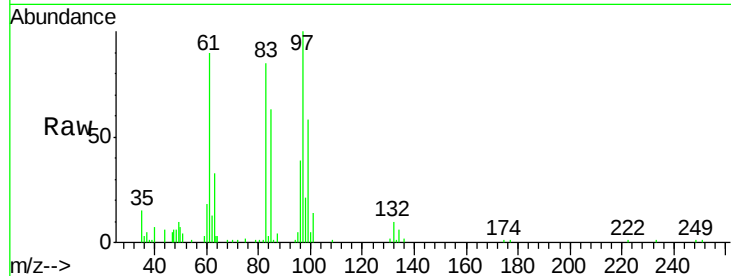
83 85.2 68.4 102.6

85 63.2 44.5 66.7

99 57.8 48.6 73.0

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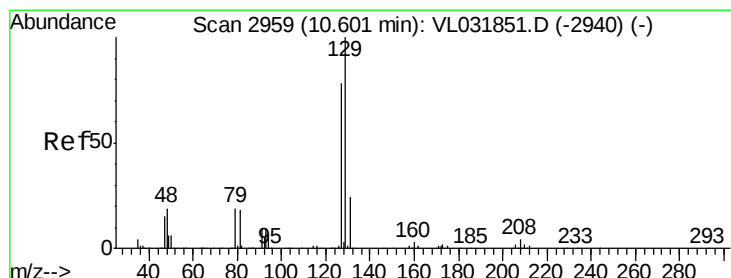
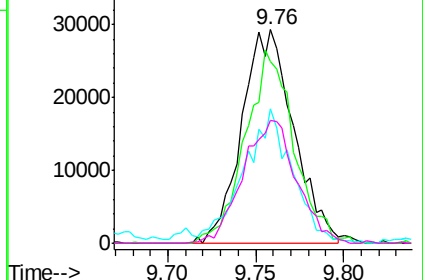
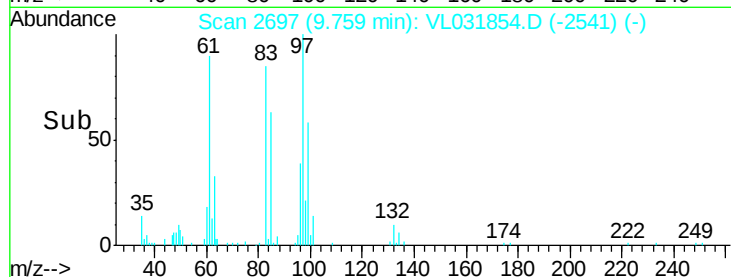


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.530 ppbv

RT: 10.60 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VL031854.D

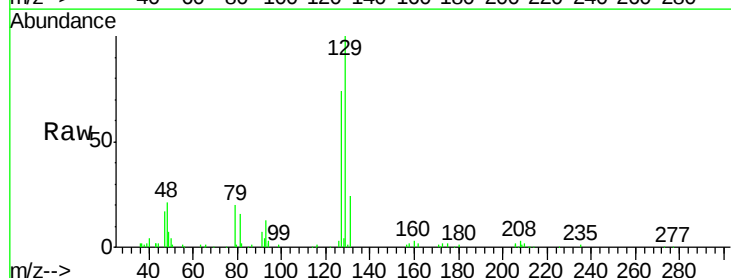
Acq: 12 Apr 2018 2:13

Tgt Ion: 129 Resp: 89863

Ion Ratio Lower Upper

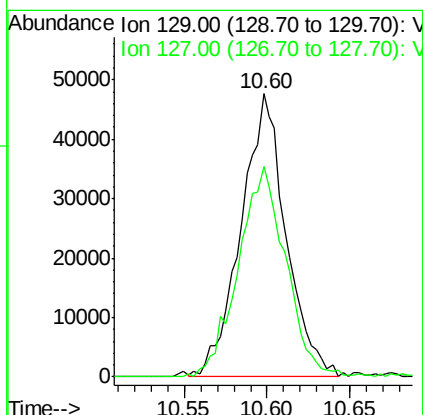
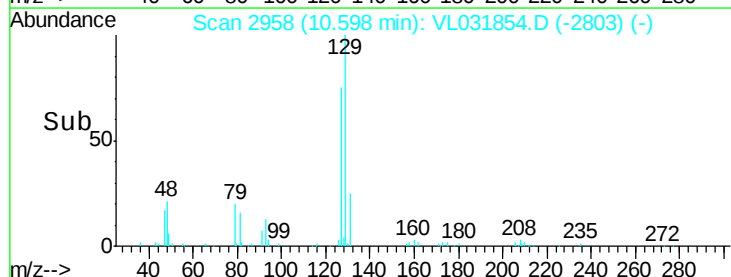
129 100

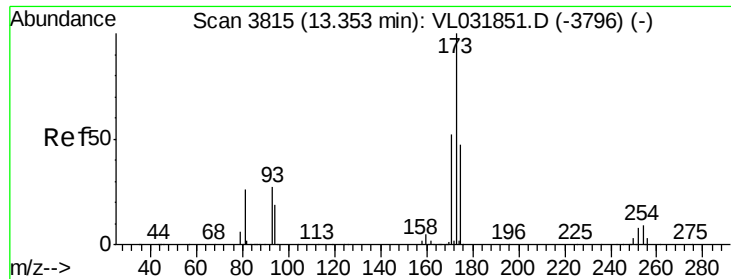
127 78.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.526 ppbv m

RT: 13.36 min Scan# 3816

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

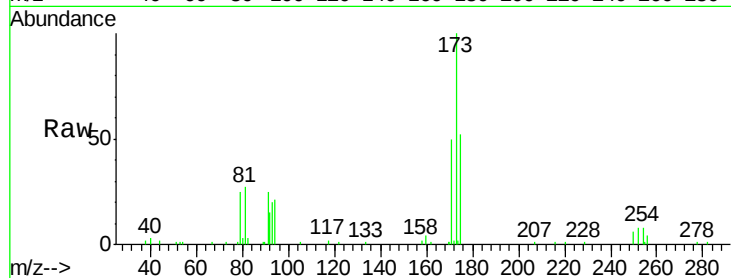
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.4	59.0#
171	53.9	42.2	63.2

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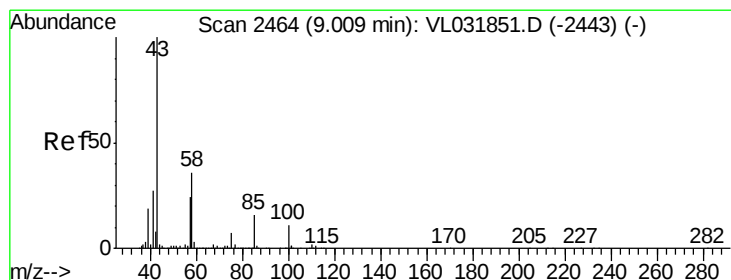
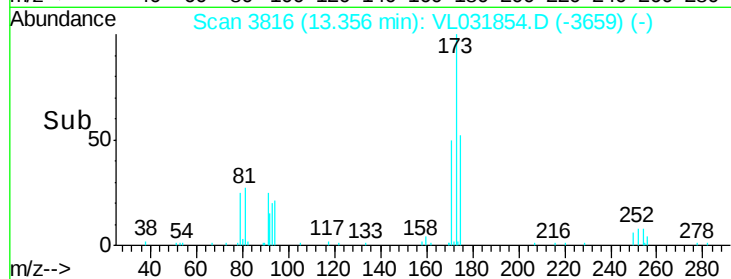
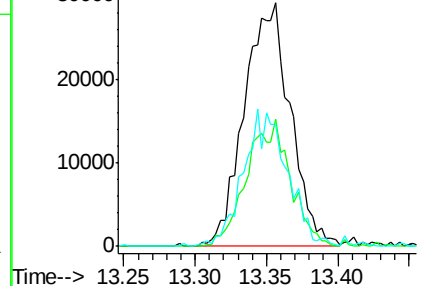
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.461 ppbv

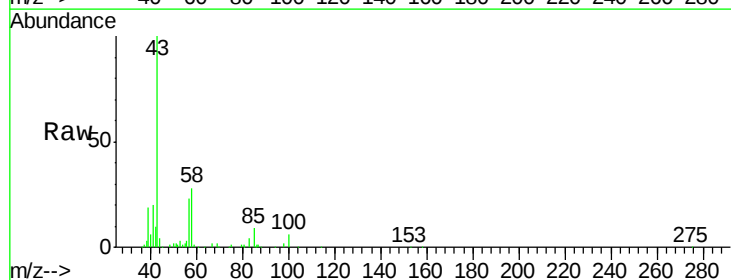
RT: 9.04 min Scan# 2472

Delta R.T. 0.03 min

Lab File: VL031854.D

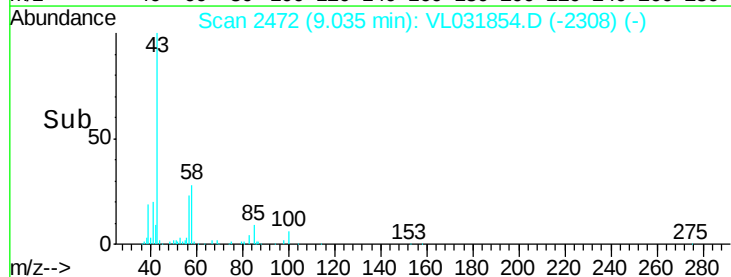
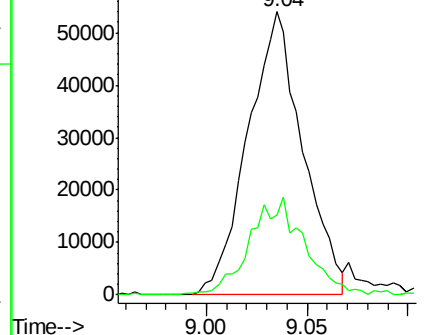
Acq: 12 Apr 2018 2:13

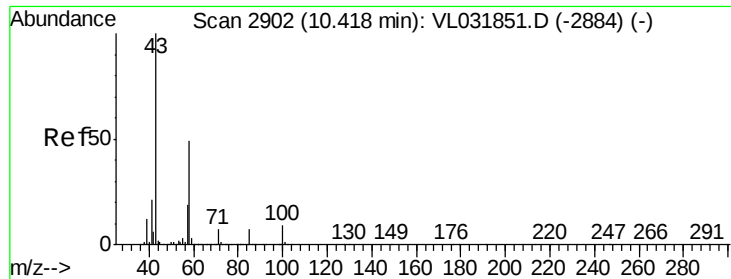
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.1	43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.362 ppbv

RT: 10.44 min Scan# 2909

Delta R.T. 0.02 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

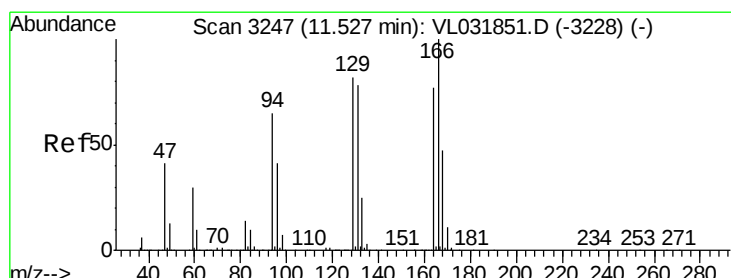
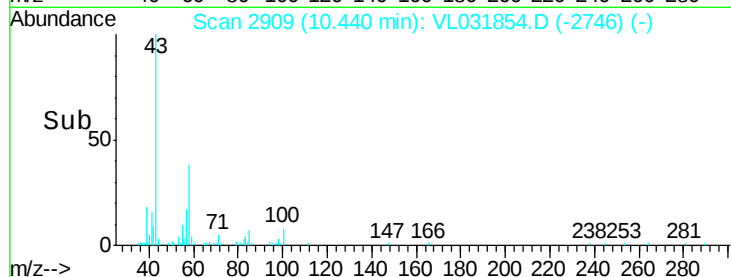
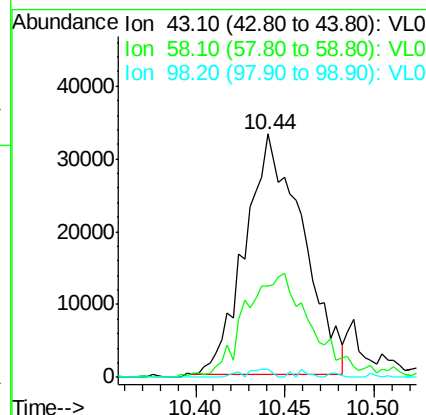
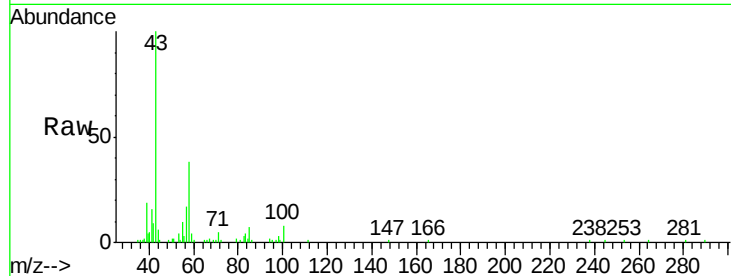
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	74517
Ion Ratio	Lower	Upper	
43	100		
58	0.0	38.4	57.6#
98	1.6	0.2	0.4#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.470 ppbv m

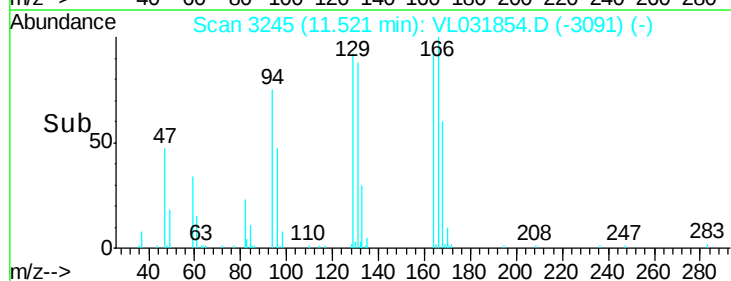
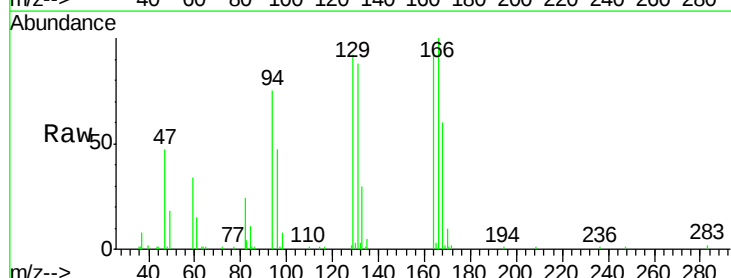
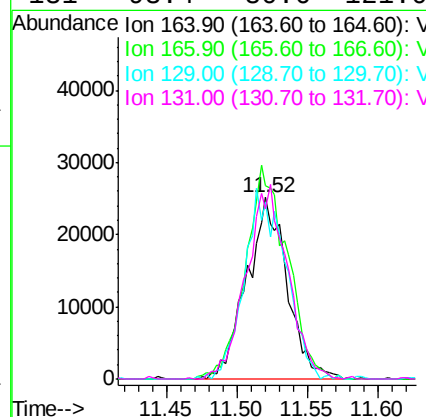
RT: 11.52 min Scan# 3245

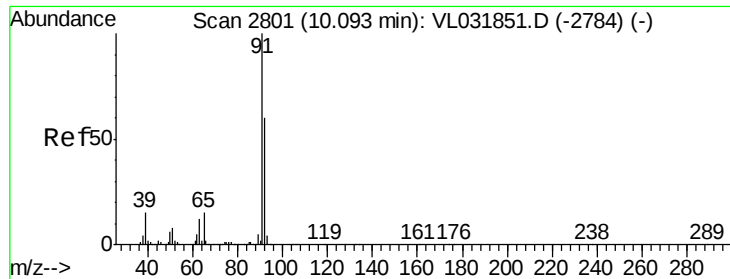
Delta R.T. -0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion:	164	Resp:	50031
Ion Ratio	Lower	Upper	
164	100		
166	106.5	103.3	154.9
129	97.5	84.2	126.4
131	93.4	80.6	121.0





#53

Toluene

Concen: 0.385 ppbv

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 117296

Ion Ratio Lower Upper

91 100

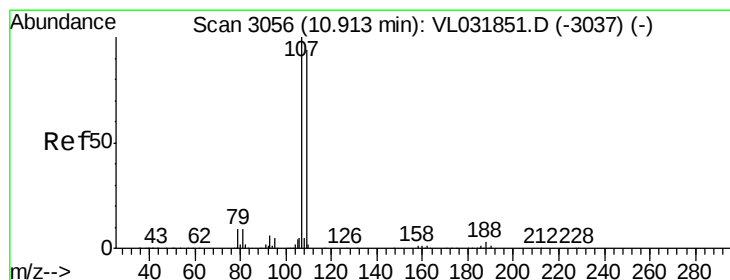
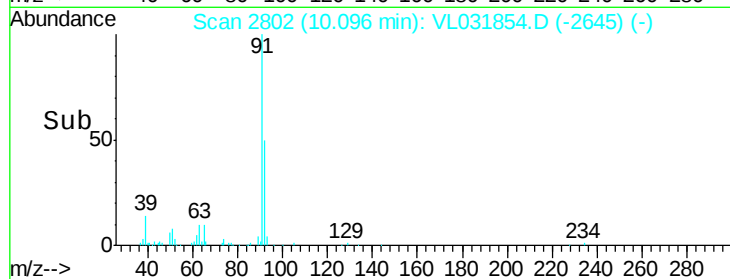
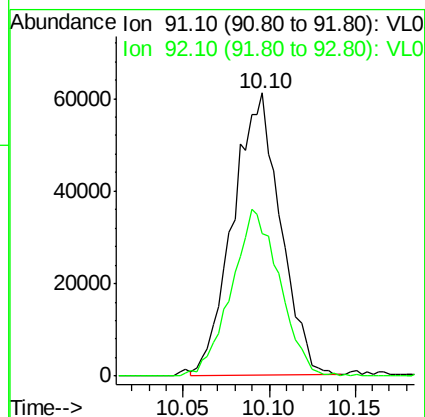
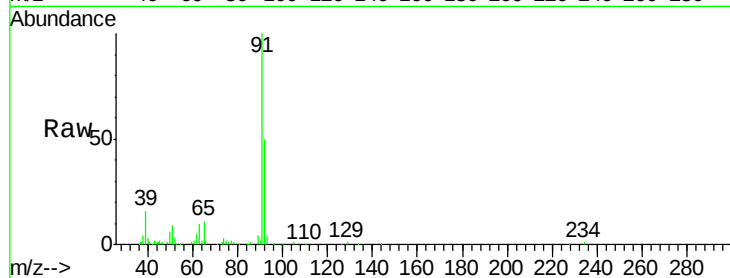
92 59.9 47.2 70.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.490 ppbv

RT: 10.91 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VL031854.D

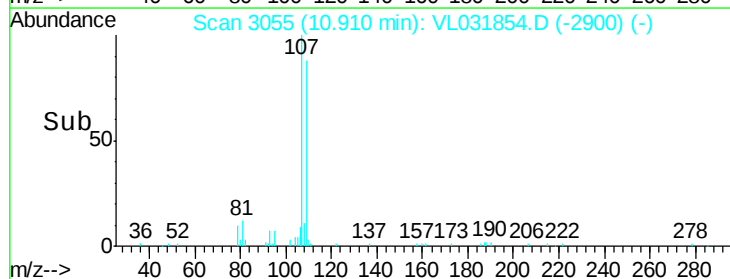
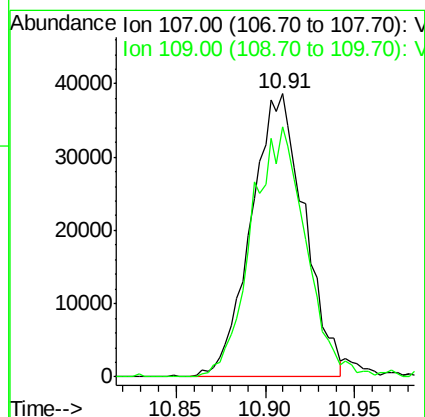
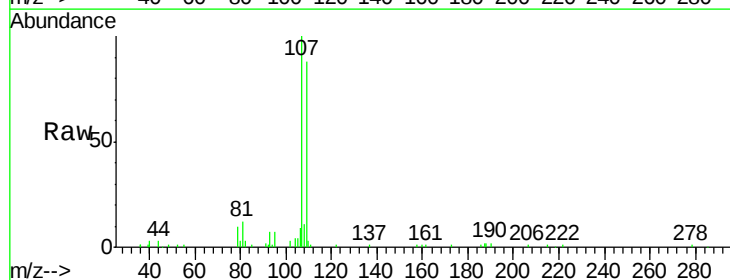
Acq: 12 Apr 2018 2:13

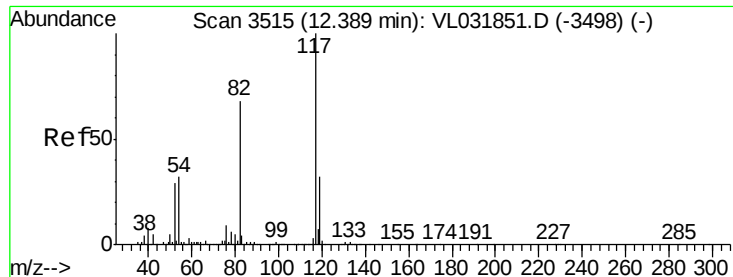
Tgt Ion: 107 Resp: 80616

Ion Ratio Lower Upper

107 100

109 88.3 75.1 112.7





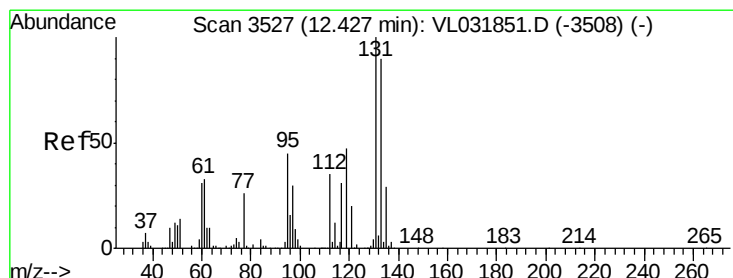
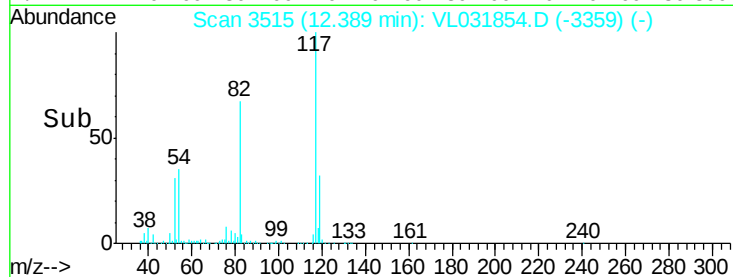
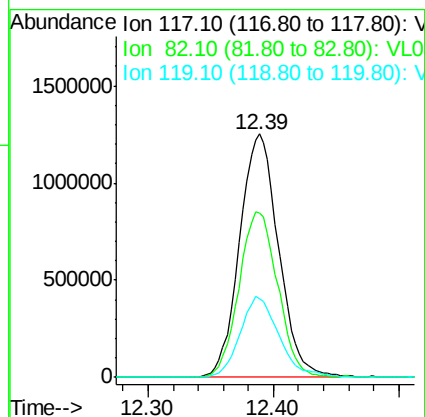
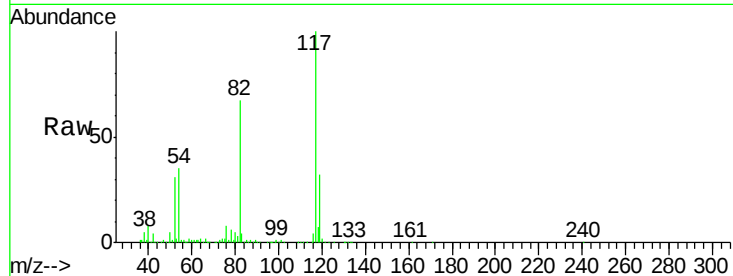
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.0	52.9	79.3
119	33.2	43.8	65.6#

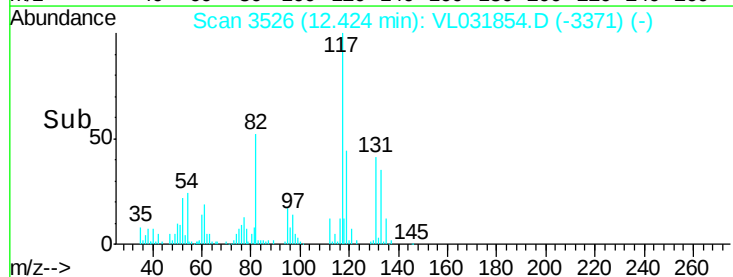
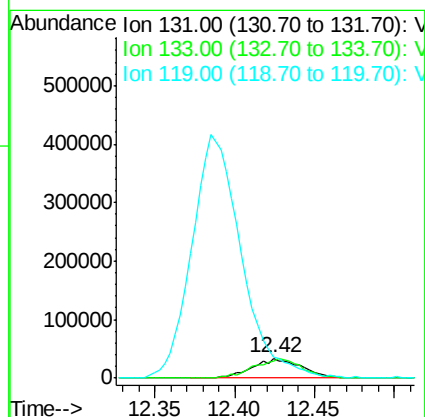
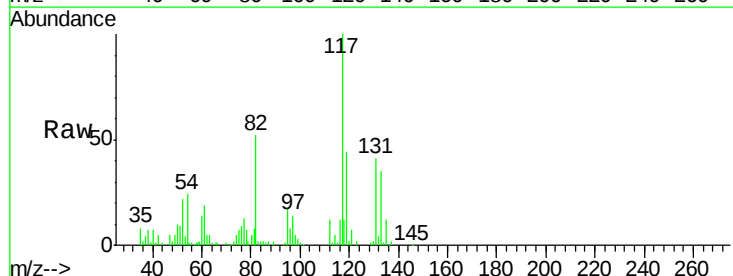
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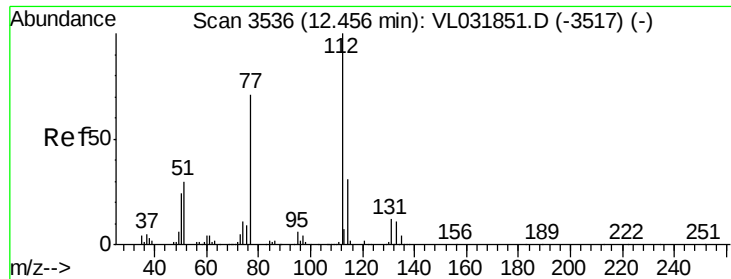
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.569 ppbv
RT: 12.42 min Scan# 3526
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	75.9	113.9
119	1271.3	106.7	160.1#





#57

Chlorobenzene

Concen: 0.528 ppbv

RT: 12.45 min Scan# 3534

Delta R.T. -0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

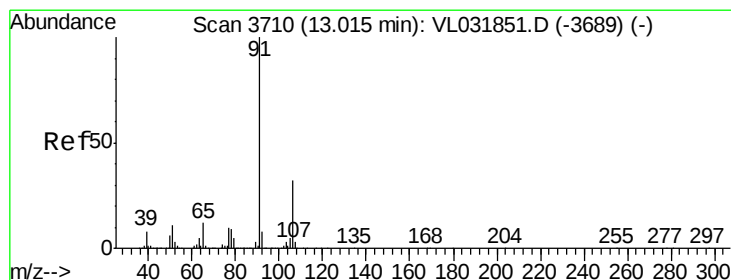
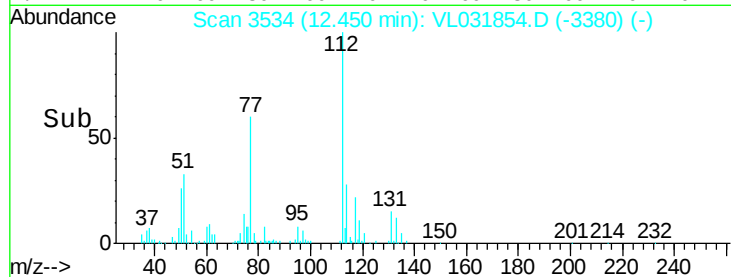
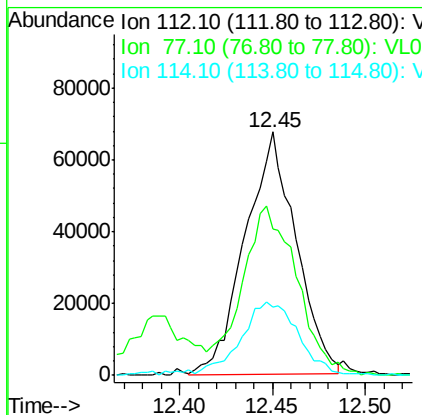
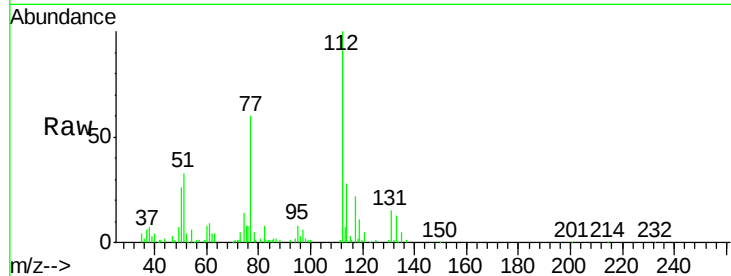
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.2	58.2	87.2#
114	27.1	28.4	34.7#

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.396 ppbv m

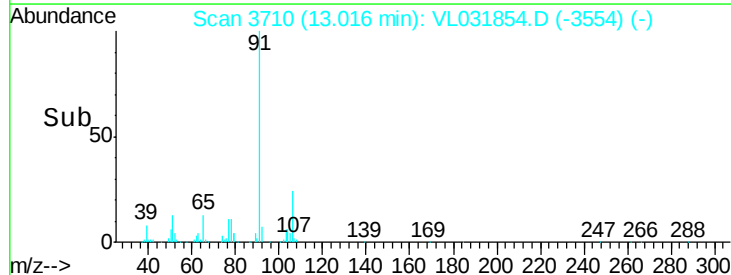
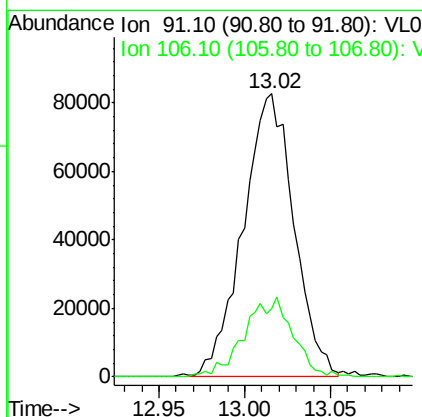
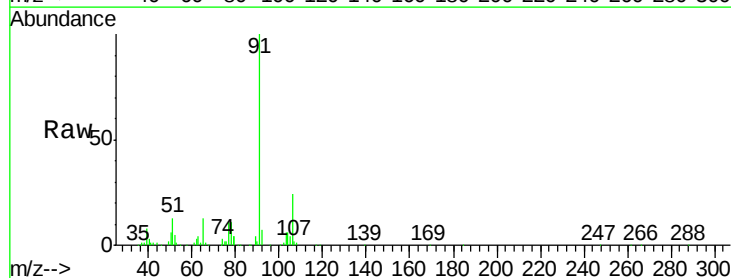
RT: 13.02 min Scan# 3710

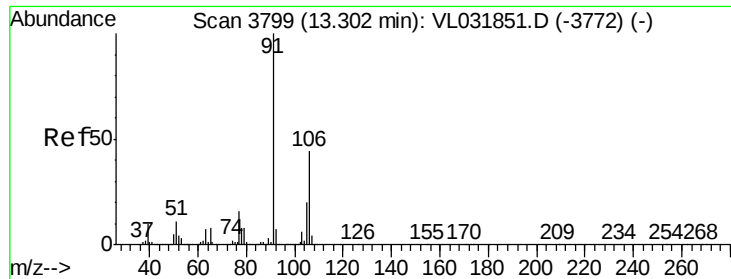
Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.3	25.4	38.0#





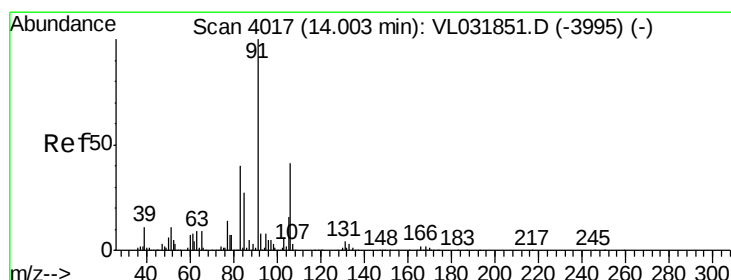
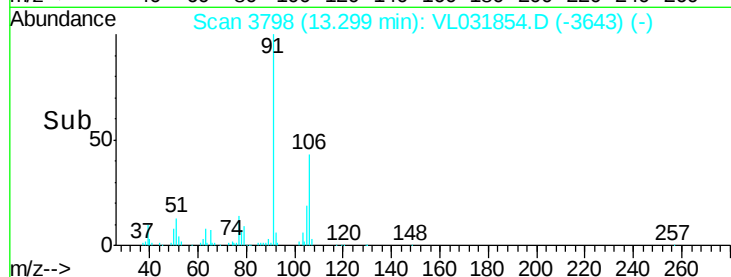
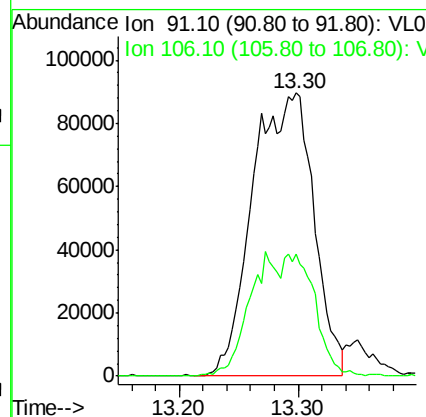
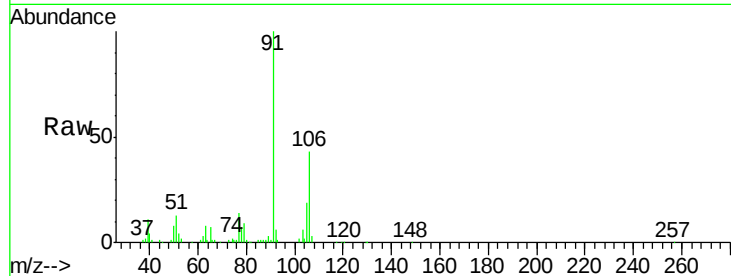
#59
m/p-Xylene
Concen: 0.900 ppbv m
RT: 13.30 min Scan# 3798
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 319866
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

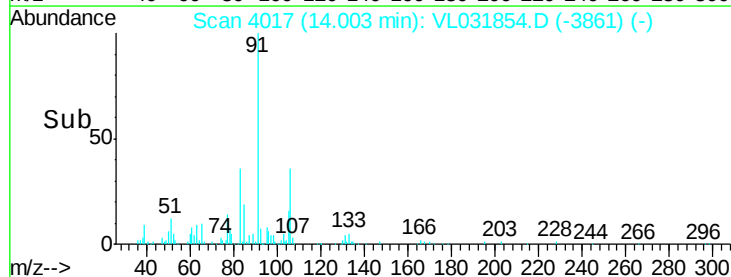
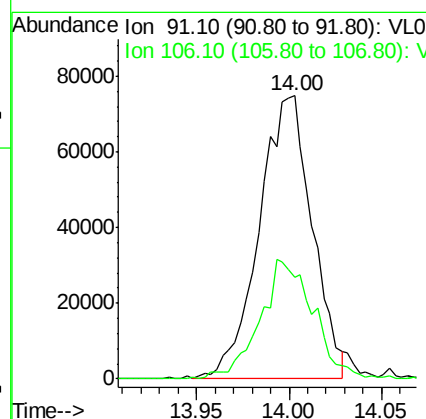
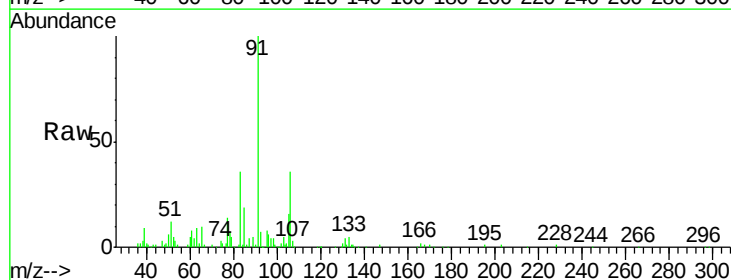
Manual Integrations
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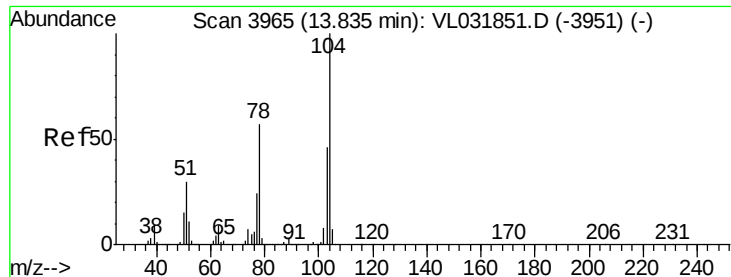
MMDadoda
4/15/2018 3:06:06 PM



#60
o-Xylene
Concen: 0.415 ppbv
RT: 14.00 min Scan# 4017
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion: 91 Resp: 149100
Ion Ratio Lower Upper
91 100
106 42.3 21.0 63.0





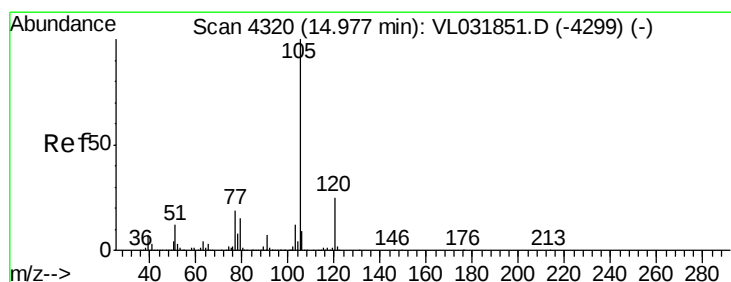
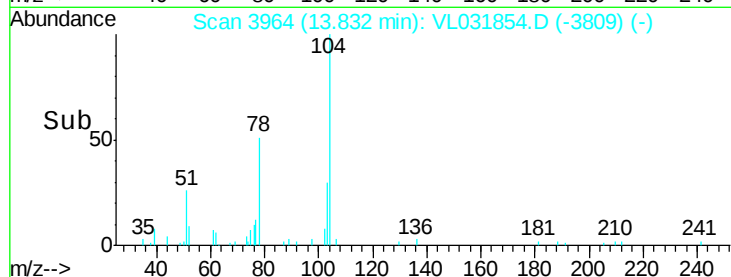
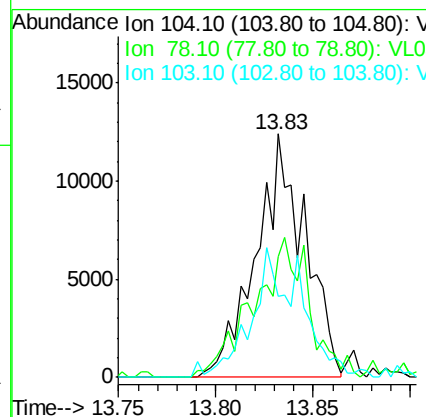
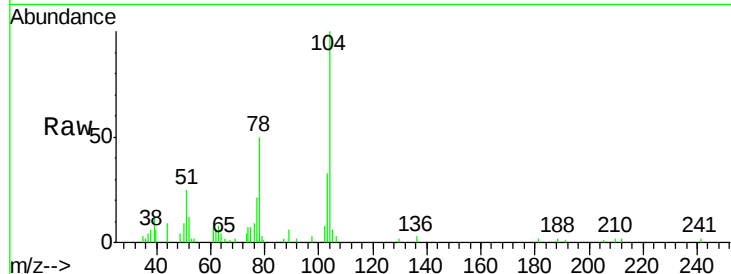
#61
Stvrene
Concen: 0.273 ppbv m
RT: 13.83 min Scan# 3964
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	68.8	44.6	66.8#
103	53.9	37.9	56.9

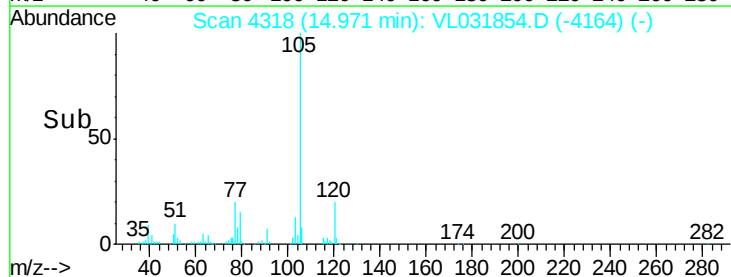
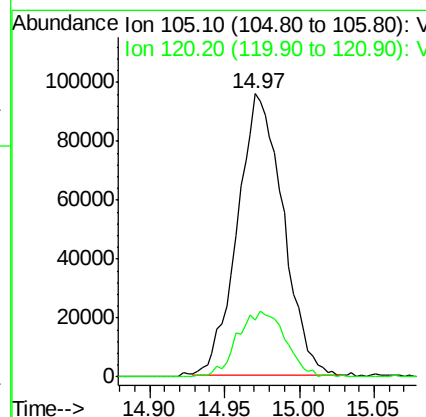
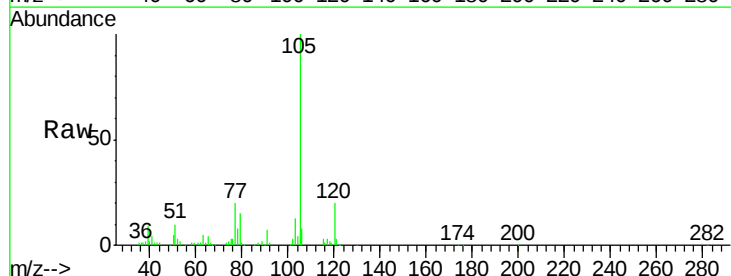
Manual Integrations
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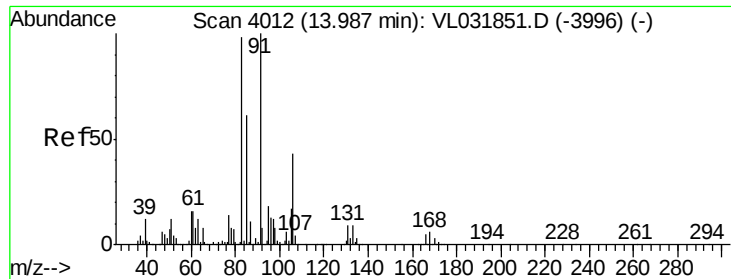
MMDadoda
4/15/2018 3:06:06 PM



#62
Isopropylbenzene
Concen: 0.447 ppbv
RT: 14.97 min Scan# 4318
Delta R.T. -0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.568 ppbv

RT: 13.98 min Scan# 4010

Delta R.T. -0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

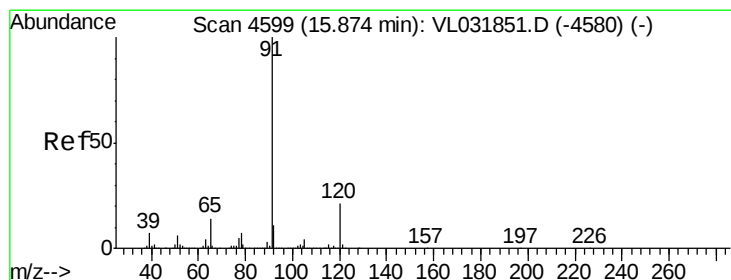
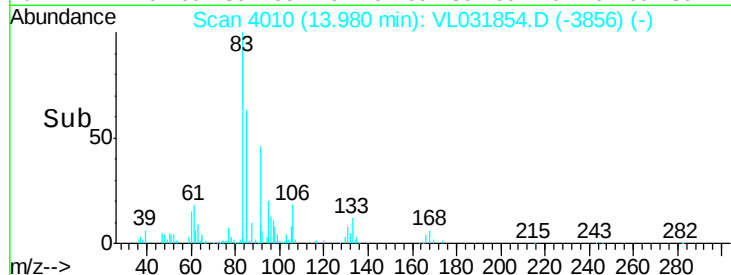
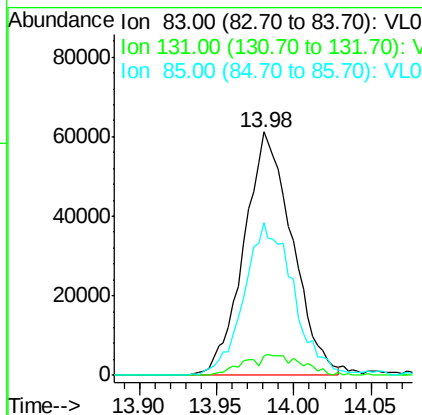
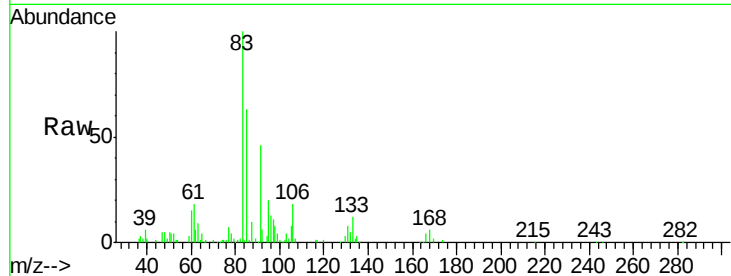
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	133187
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.8	14.4
85	64.6	32.8	98.4

Manual Integrations
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#64

n-propylbenzene

Concen: 0.446 ppbv m

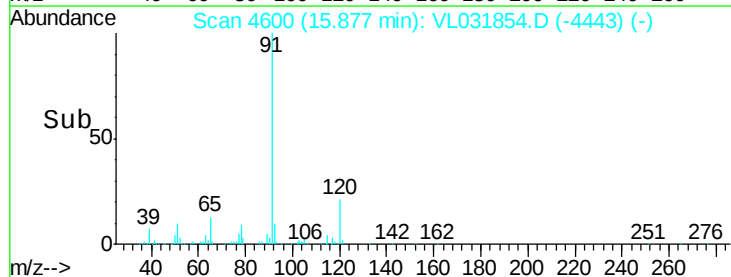
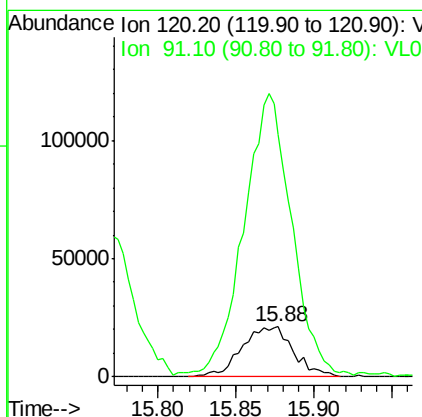
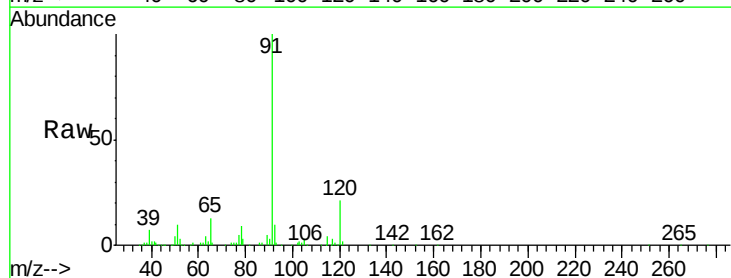
RT: 15.88 min Scan# 4600

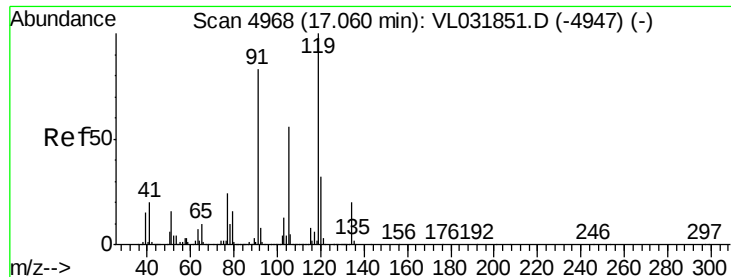
Delta R.T. 0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion:	120	Resp:	48828
Ion Ratio	Lower	Upper	
120	100		
91	0.0	397.3	595.9#





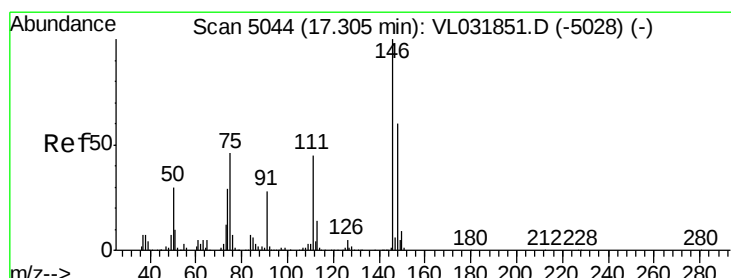
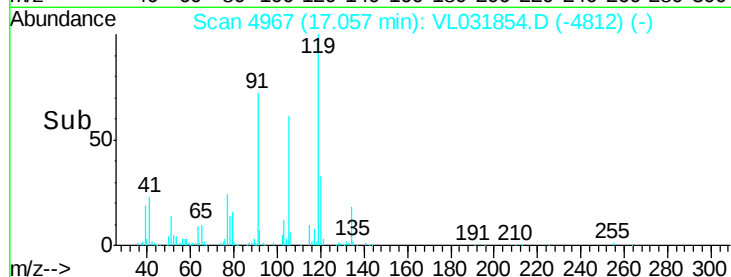
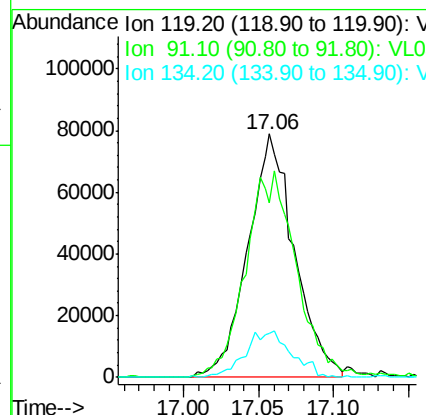
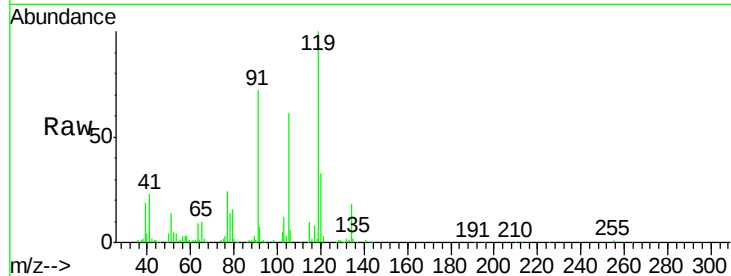
#65
tert-Butylbenzene
Concen: 0.436 ppbv
RT: 17.06 min Scan# 4967
Delta R.T. -0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170038		
91	94.3	69.0	103.6	
134	19.2	15.4	23.0	

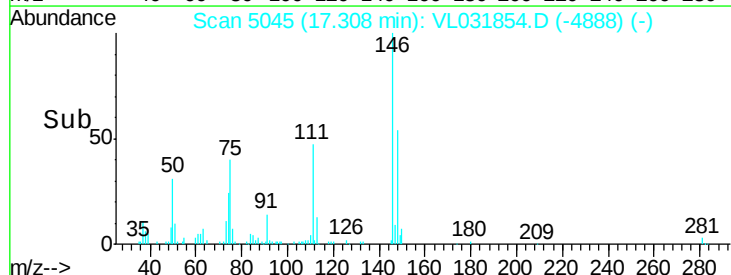
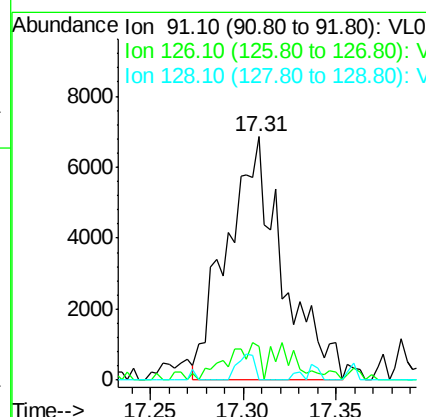
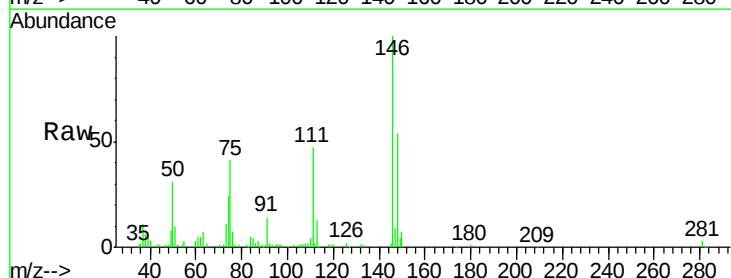
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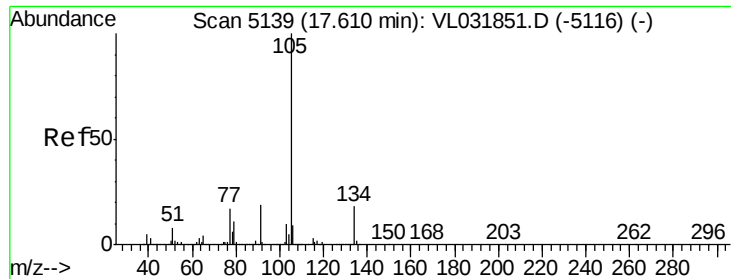
MMDadoda
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#66
Benzyl Chloride
Concen: 0.429 ppbv m
RT: 17.31 min Scan# 5045
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	14255		
126	0.0	12.7	19.1#	
128	3.3	4.1	6.1#	





#67

sec-Butylbenzene

Concen: 0.460 ppbv

RT: 17.60 min Scan# 5137

Delta R.T. -0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 249924

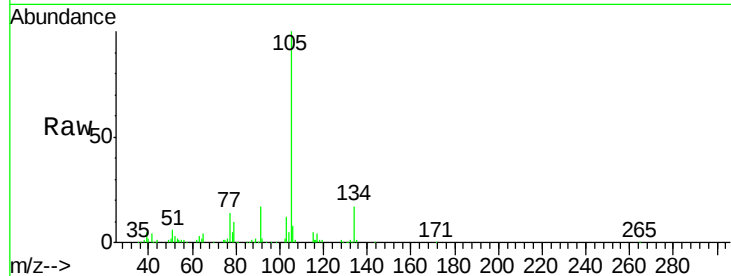
Ion Ratio Lower Upper

105 100

134 17.6 14.0 21.0

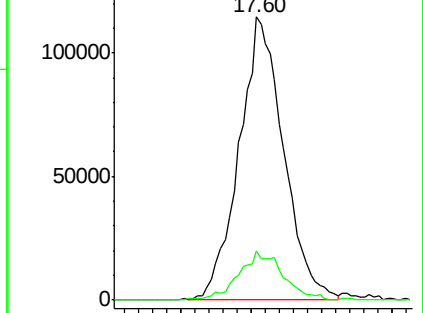
Manual Integrations
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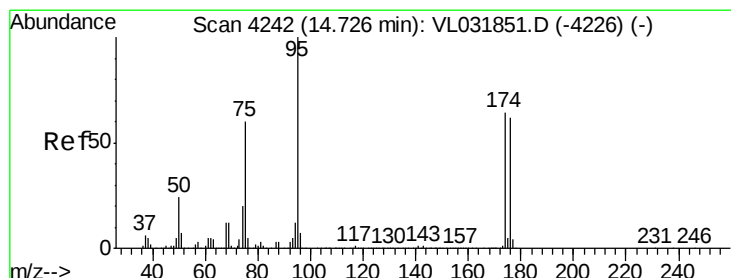
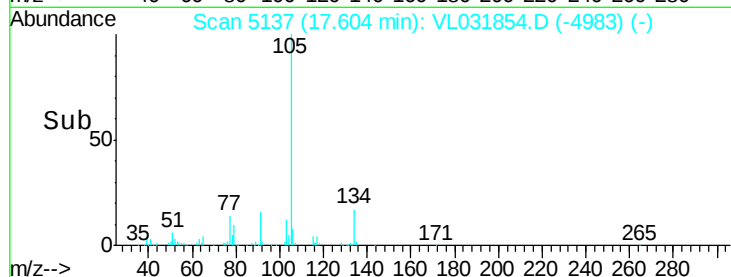


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.955 ppbv

RT: 14.72 min Scan# 4241

Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

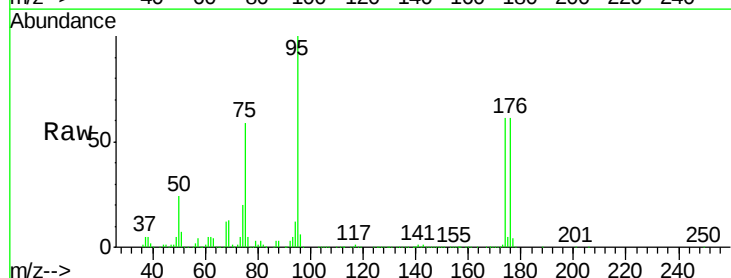
Tgt Ion: 95 Resp: 2226527

Ion Ratio Lower Upper

95 100

174 64.0 52.2 78.2

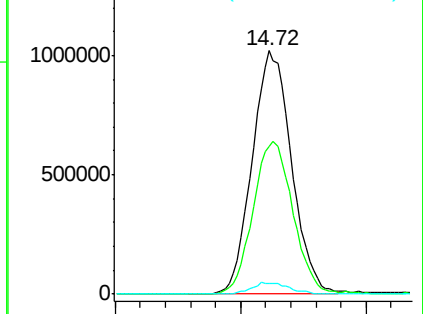
175 4.5 3.8 5.8



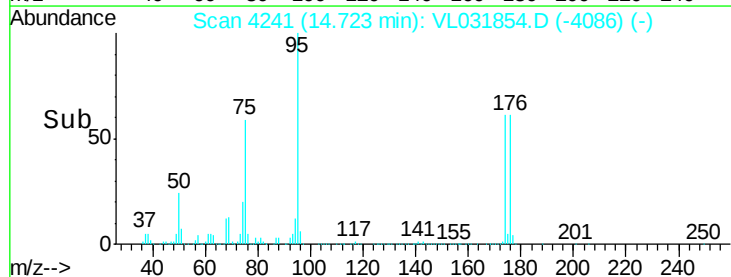
Abundance Ion 95.10 (94.80 to 95.80): VL0

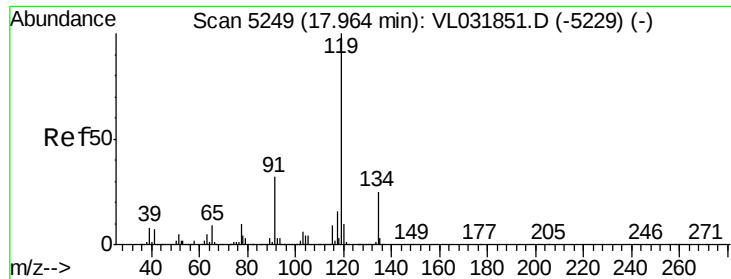
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





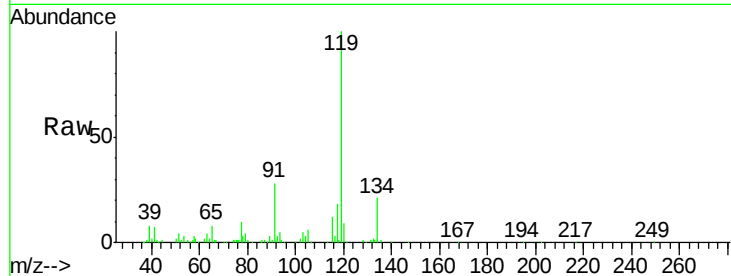
#69
 p-Isopropyltoluene
 Concen: 0.418 ppbv
 RT: 17.97 min Scan# 5250
 Delta R.T. 0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

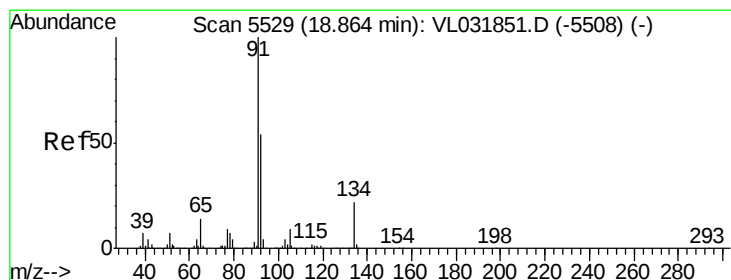
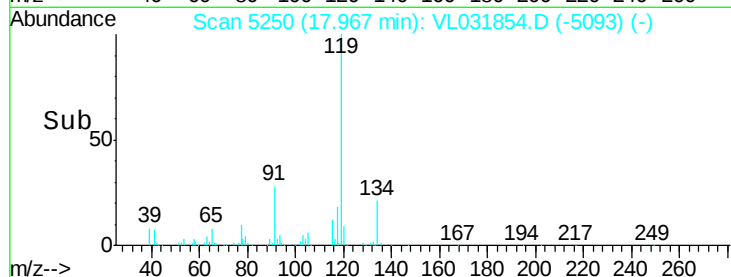
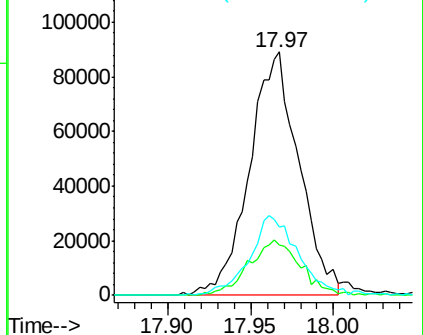
Tot Ion	Ratio	Resp	Lower	Upper
119	100	182605		
134	24.4	19.7	29.5	
91	33.1	24.6	37.0	

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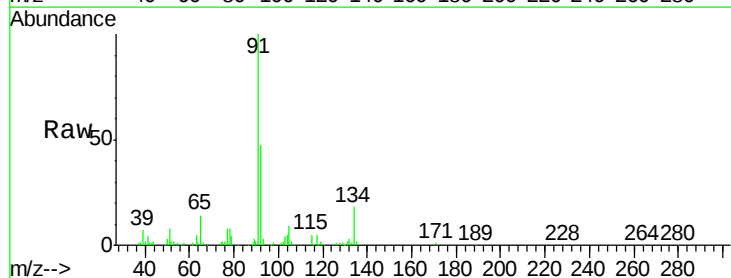


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

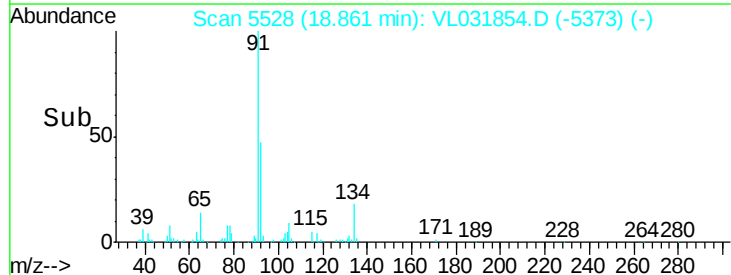
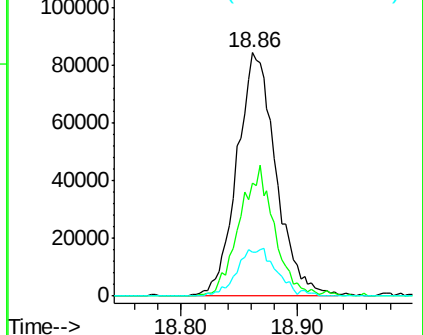


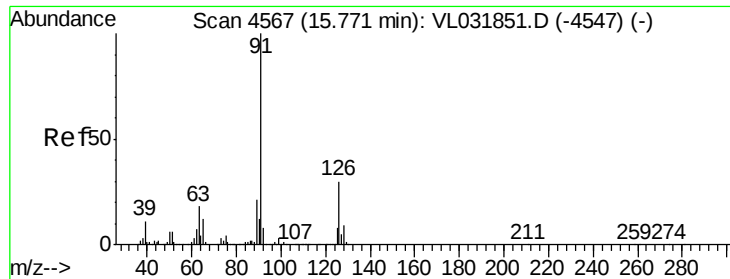
#70
 n-Butylbenzene
 Concen: 0.457 ppbv
 RT: 18.86 min Scan# 5528
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	197118		
92	48.9	42.2	63.4	
134	19.9	17.2	25.8	



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: 0.412 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 140409

Ion Ratio Lower Upper

91 100

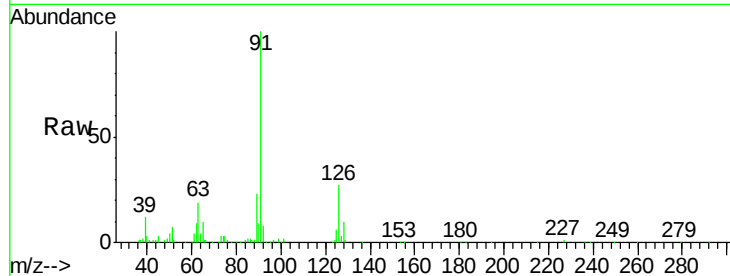
126 29.4 11.5 45.9

Manual Integrations

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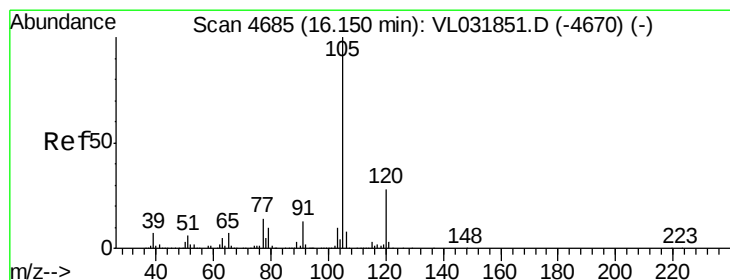
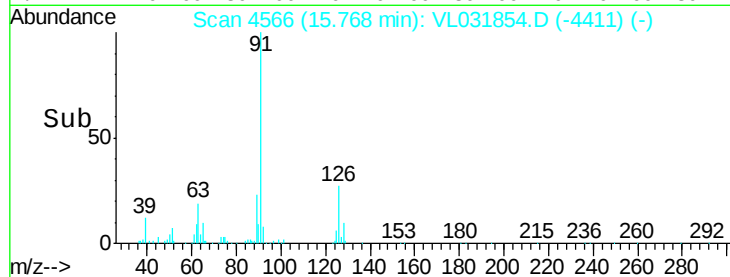
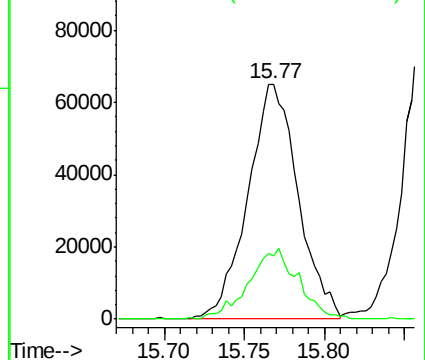
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.427 ppbv m

RT: 16.15 min Scan# 4684

Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion: 105 Resp: 153800

Ion Ratio Lower Upper

105 100

120 0.0 22.6 33.8#

91 0.0 10.7 16.1#

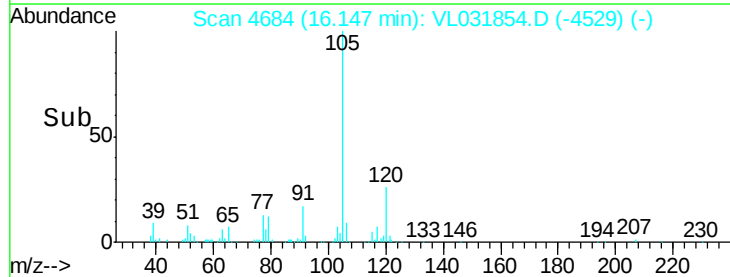
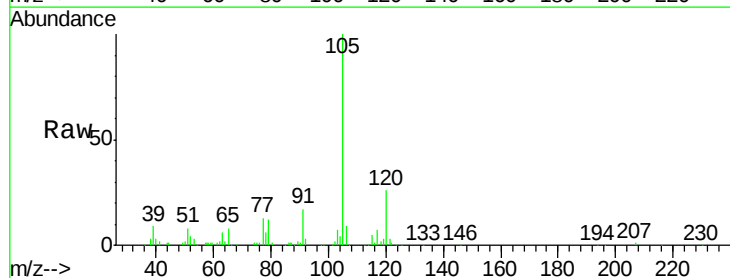
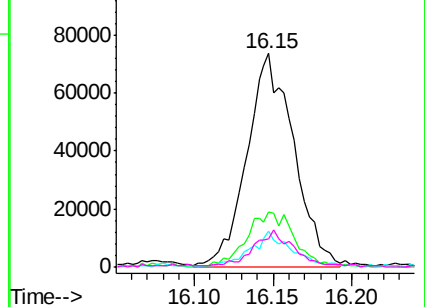
77 16.3 11.7 17.5

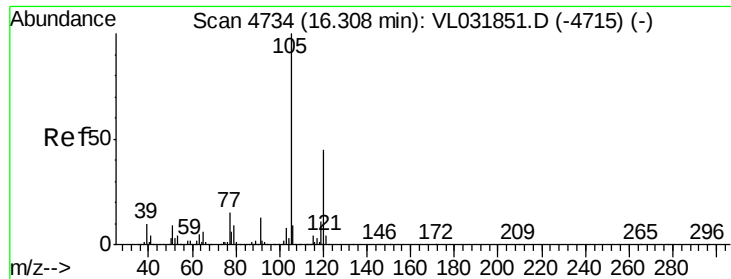
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.434 ppbv

RT: 16.30 min Scan# 4733

Delta R.T. -0.00 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 141863

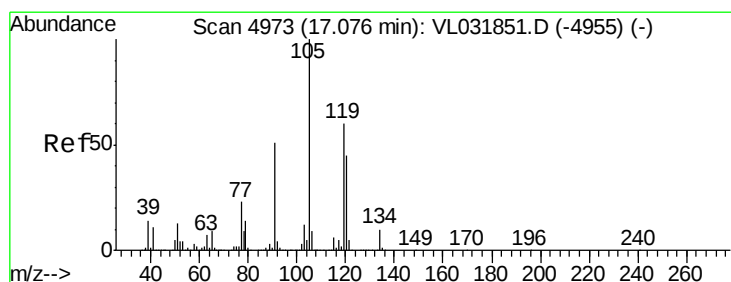
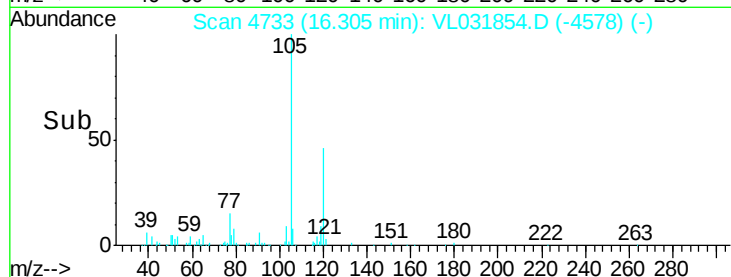
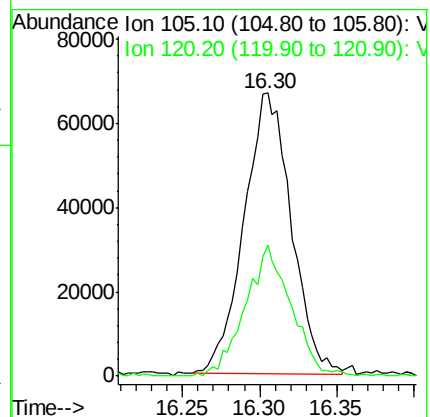
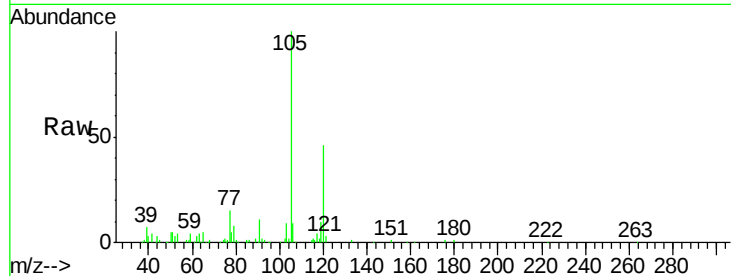
Ion Ratio Lower Upper

105 100

120 46.6 36.3 54.5

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#74

1,2,4-Trimethylbenzene

Concen: 0.511 ppbv

RT: 17.07 min Scan# 4970

Delta R.T. -0.01 min

Lab File: VL031854.D

Acq: 12 Apr 2018 2:13

Tgt Ion:105 Resp: 179666

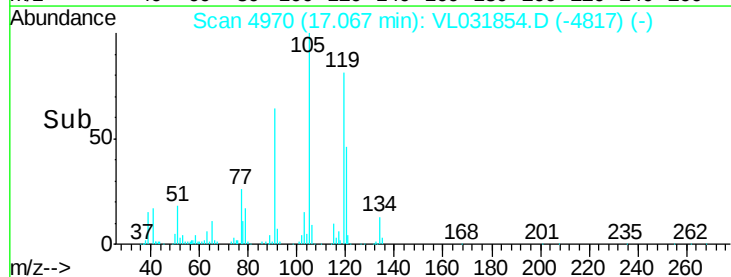
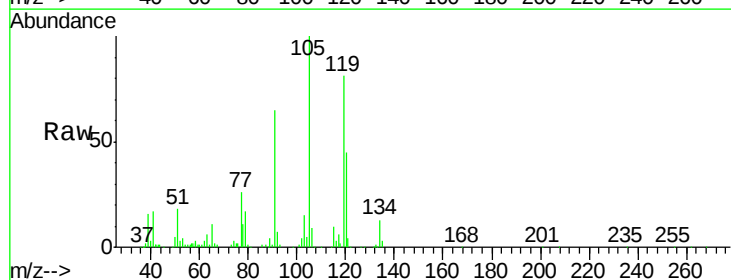
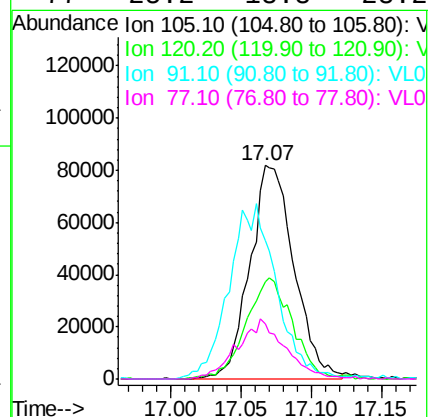
Ion Ratio Lower Upper

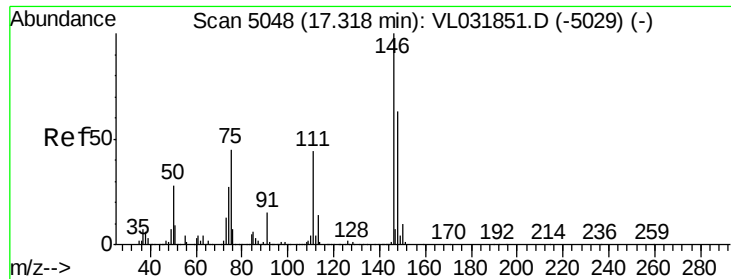
105 100

120 44.9 36.2 54.4

91 63.3 43.3 64.9

77 25.2 18.8 28.2





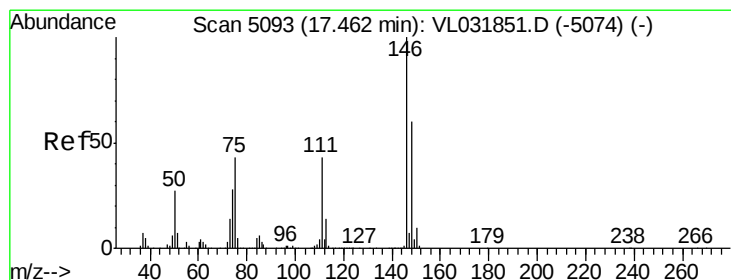
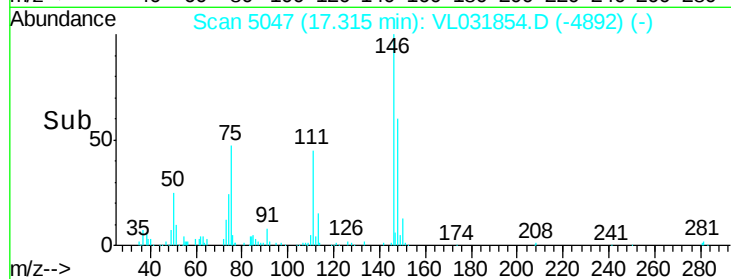
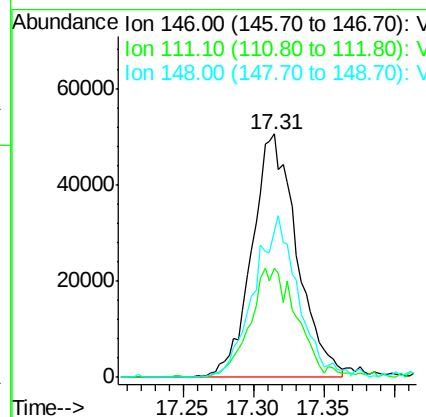
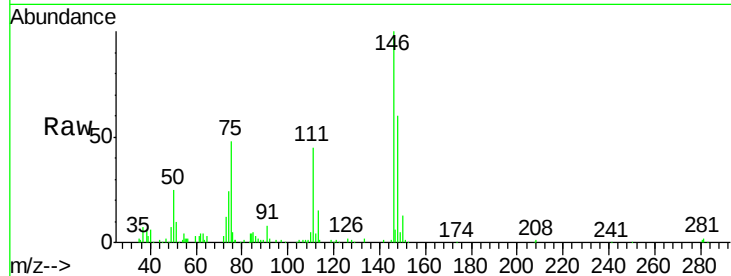
#75
 1,3-Dichlorobenzene
 Concen: 0.525 ppbv
 RT: 17.31 min Scan# 5047
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.0
148	65.3	32.1	96.5

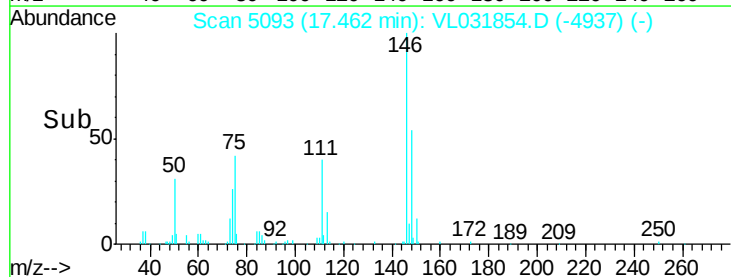
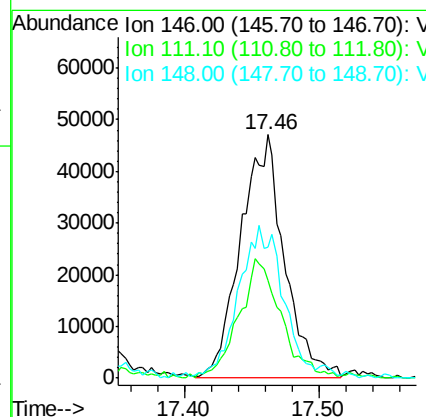
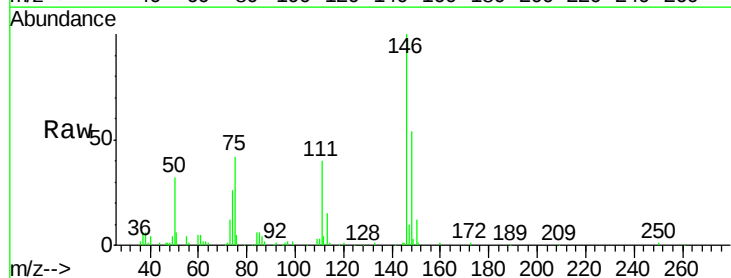
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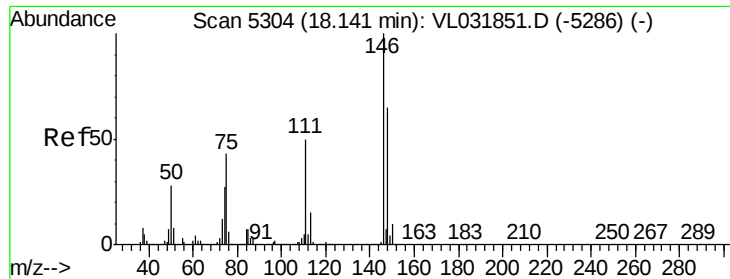
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.488 ppbv m
 RT: 17.46 min Scan# 5093
 Delta R.T. 0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.7#
148	0.0	32.1	96.5#





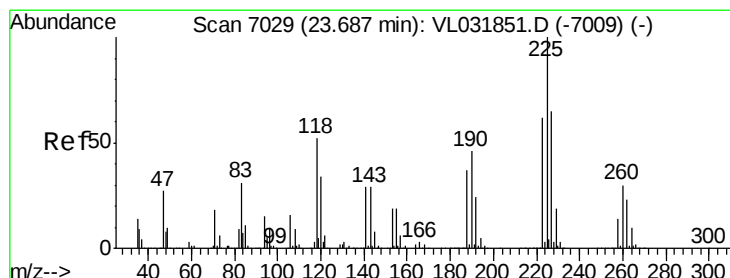
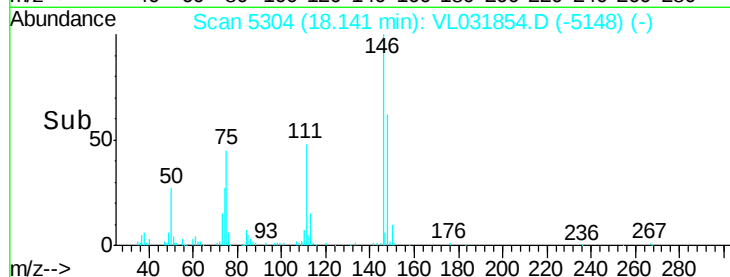
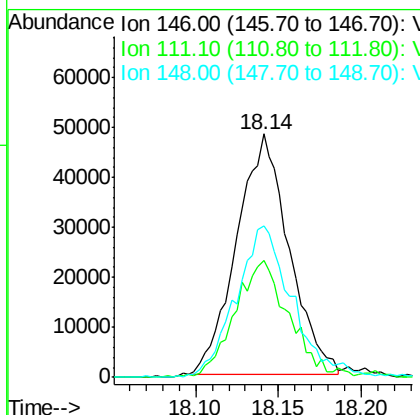
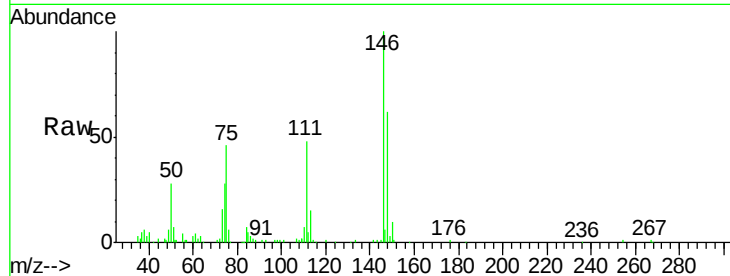
#77
 1,2-Dichlorobenzene
 Concen: 0.508 ppbv
 RT: 18.14 min Scan# 5304
 Delta R.T. 0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.5	24.3	72.8
148	68.3	31.7	95.1

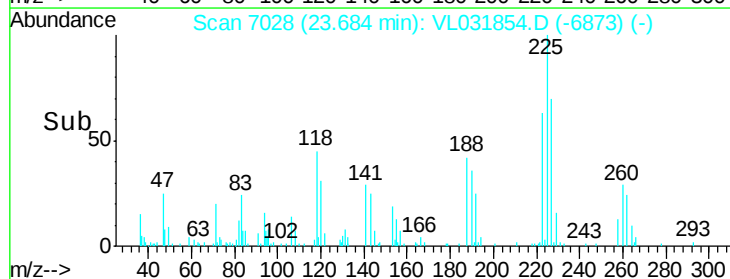
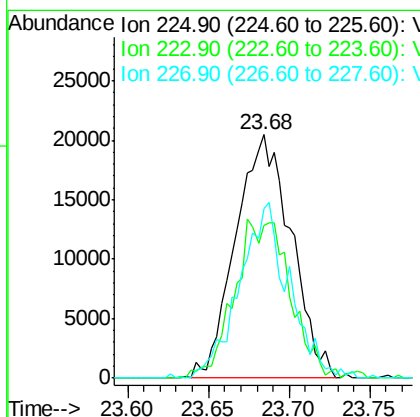
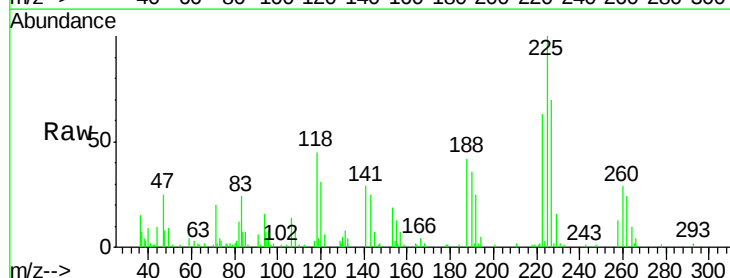
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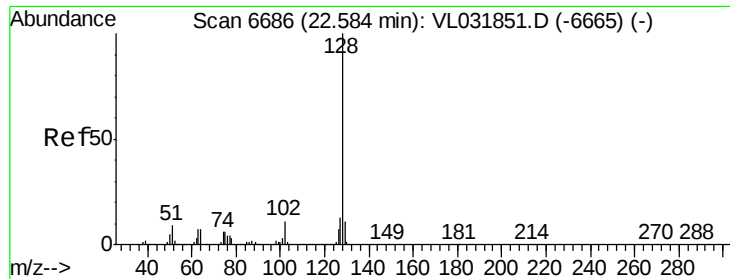
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.564 ppbv
 RT: 23.68 min Scan# 7028
 Delta R.T. -0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	50.3	75.5
227	64.5	50.8	76.2





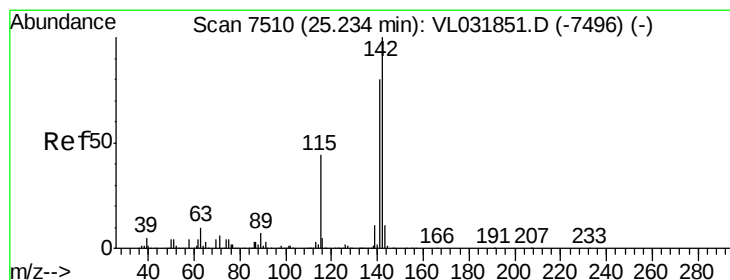
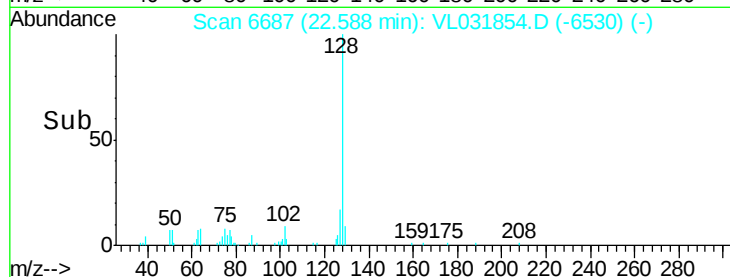
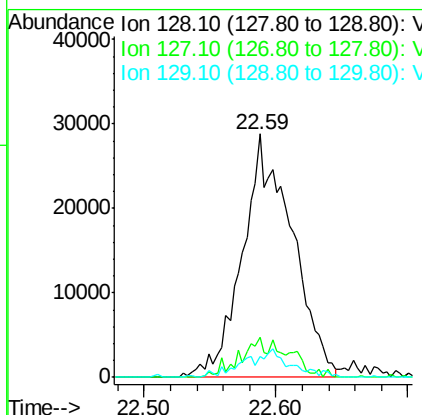
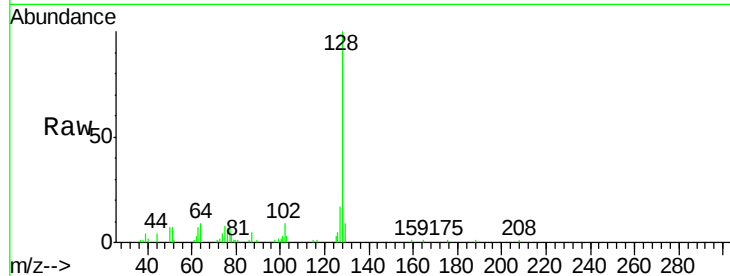
#79
Naphthalene
Concen: 0.338 ppbv m
RT: 22.59 min Scan# 6687
Delta R.T. 0.00 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	75032		
127	16.6	10.4	15.6#	
129	8.5	9.1	13.7#	

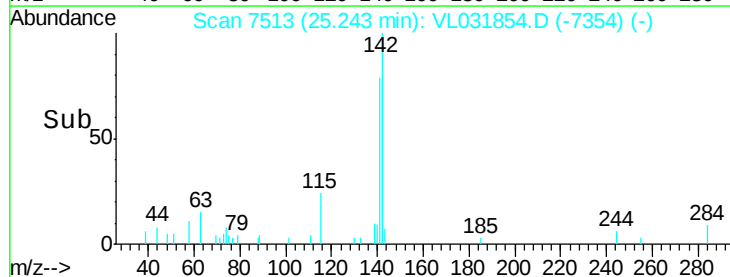
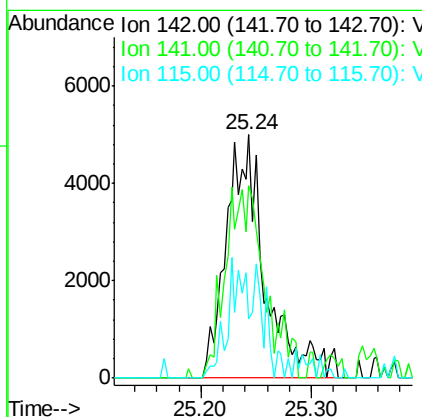
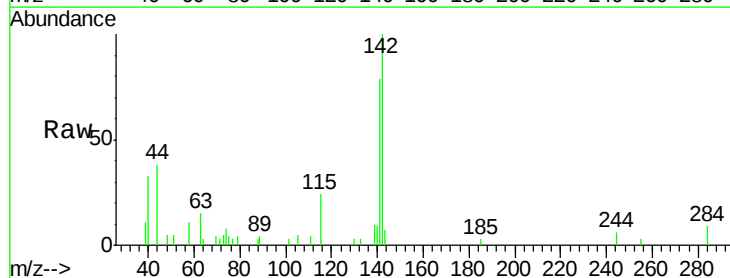
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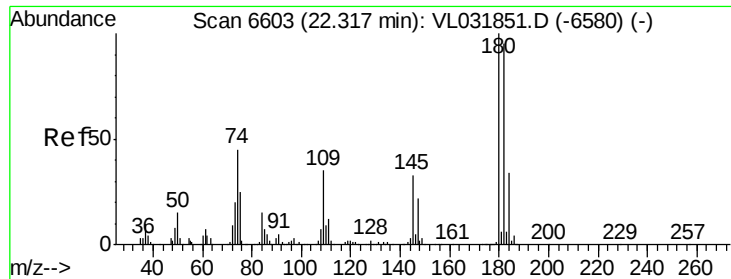
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#80
Naphthalene, 2-methyl-
Concen: 0.223 ppbv
RT: 25.24 min Scan# 7513
Delta R.T. 0.01 min
Lab File: VL031854.D
Acq: 12 Apr 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	12252		
141	81.1	65.8	98.8	
115	36.4	35.8	53.6	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.422 ppbv m
 RT: 22.32 min Scan# 6603
 Delta R.T. 0.00 min
 Lab File: VL031854.D
 Acq: 12 Apr 2018 2:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	76.6	114.8
184	0.0	25.0	37.4

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