

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050046.D
 Acq On : 25 Jul 2018 15:21
 Operator : MD\SY
 Sample : VN0725WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0725WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:30 PM

Quant Time: Jul 26 15:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	136270	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	734301	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	634676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	285682	30.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.80%
60) 4-Bromofluorobenzene	12.40	95	286183	29.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.83%
63) Toluene-d8	10.09	98	920390	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	204924	21.82	ug/l	96
3) Chloromethane	2.06	50	194720	20.11	ug/l	99
4) Vinyl Chloride	2.18	62	209320	20.31	ug/l	97
5) Bromomethane	2.56	94	143649	22.86	ug/l	100
6) Chloroethane	2.70	64	122534	20.10	ug/l	99
7) Trichlorofluoromethane	3.01	101	272894	20.26	ug/l	99
8) Diethyl Ether	3.41	74	91805	20.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169333	20.67	ug/l	99
10) 1,1-Dichloroethene	3.73	96	147849	20.35	ug/l	94
11) Methyl Iodide	3.95	142	178339	16.68	ug/l	99
12) Methyl Acetate	4.33	43	171180	20.57	ug/l	99
13) Acrolein	3.61	56	36534	71.03	ug/l	98
14) Acrylonitrile	5.00	53	274492	98.84	ug/l	98
15) Acetone	3.82	58	76983	104.30	ug/l	99
16) Carbon Disulfide	4.05	76	439480	19.77	ug/l	100
17) Allyl chloride	4.32	41	227611	19.84	ug/l	98
18) Methylene Chloride	4.55	84	170983	20.39	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	155200	19.95	ug/l	99
20) Diisopropyl ether	5.96	45	482070	20.49	ug/l	99
21) 1,1-Dichloroethane	5.85	63	293596	19.85	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	174375	20.21	ug/l	100
23) tert-Butyl Alcohol	4.79	59	64588	104.08	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	401143	20.25	ug/l	99
25) Chloroform	7.37	83	305164	20.38	ug/l	97
26) Cyclohexane	7.65	56	234501	19.95	ug/l	100
29) 1,1-Dichloropropene	7.79	75	223128	19.58	ug/l	99
30) 2-Butanone	6.84	43	351510	98.30	ug/l	99
31) 2,2-Dichloropropane	6.82	77	251546	19.97	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	257803	19.22	ug/l	99
33) Carbon Tetrachloride	7.77	117	227726	19.05	ug/l	99
34) Benzene	8.04	78	664930	19.21	ug/l	100
35) Methacrylonitrile	7.18	41	68881	16.92	ug/l	96
36) 1,2-Dichloroethane	8.13	62	217412	19.13	ug/l	99
37) Trichloroethene	8.84	130	177418	19.55	ug/l	95
38) Methylcyclohexane	9.08	83	228944	19.06	ug/l	99
39) 1,2-Dichloropropane	9.12	63	177284	19.45	ug/l	98
40) Dibromomethane	9.21	93	107738	19.12	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	226435	19.05	ug/l	100
42) Vinyl Acetate	5.90	43	1602271	95.22	ug/l	99
43) Ethyl Acetate	6.93	43	150979	20.22	ug/l #	91
44) Isopropyl Acetate	8.17	43	273854	19.80	ug/l	96
45) 1,4-Dioxane	9.20	88	33950	372.97	ug/l	96
46) Methyl methacrylate	9.20	41	127520	19.02	ug/l	98
47) n-amyl Acetate	12.07	43	191732	17.81	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	217676	19.21	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	255593	19.20	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	151919	18.78	ug/l	99
51) Ethyl methacrylate	10.43	69	178300	18.16	ug/l	99
52) 1,3-Dichloropropane	10.71	76	249307	18.77	ug/l	100
53) Dibromochloromethane	10.90	129	173546	18.91	ug/l	99
54) 1,2-Dibromoethane	11.01	107	151749	19.16	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	418330	94.15	ug/l	99
56) Bromoform	12.13	173	115370	17.80	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	745838	100.99	ug/l	100
59) 2-Hexanone	10.75	43	500101	99.26	ug/l	99
61) Tetrachloroethene	10.63	164	167683	19.51	ug/l	97
62) Toluene	10.16	91	715388	19.76	ug/l	99
64) Chlorobenzene	11.44	112	432778	19.71	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	164905	19.25	ug/l	99
66) Ethyl Benzene	11.51	91	719976	19.46	ug/l	98
67) m/p-Xylenes	11.62	106	567084	39.82	ug/l	99
68) o-Xylene	11.95	106	263881	19.48	ug/l	99
69) Styrene	11.97	104	416111	19.16	ug/l	99
70) Isopropylbenzene	12.25	105	709825	19.67	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	191396	19.32	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	154970m	18.31	ug/l	
73) Bromobenzene	12.53	156	182144	18.95	ug/l	97
74) n-propylbenzene	12.59	91	820470	19.52	ug/l	99
75) 2-Chlorotoluene	12.68	91	493400	19.55	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	592422	19.99	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	49168	17.77	ug/l	91
78) 4-Chlorotoluene	12.78	91	485458	19.41	ug/l	99
79) tert-butylbenzene	12.99	119	498210	19.66	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	601271	20.02	ug/l	100
81) sec-Butylbenzene	13.17	105	681076	19.79	ug/l	99
82) p-Isopropyltoluene	13.29	119	579093	19.72	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	313292	18.72	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	313932	19.85	ug/l	99
85) n-Butylbenzene	13.62	91	450750	18.91	ug/l	99
86) Hexachloroethane	13.88	117	109261	18.62	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	321903	19.67	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28638	18.55	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	156298	20.00	ug/l	99
90) Hexachlorobutadiene	15.01	225	104512	20.28	ug/l	97
91) Naphthalene	15.14	128	340265	21.53	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	146609	18.45	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

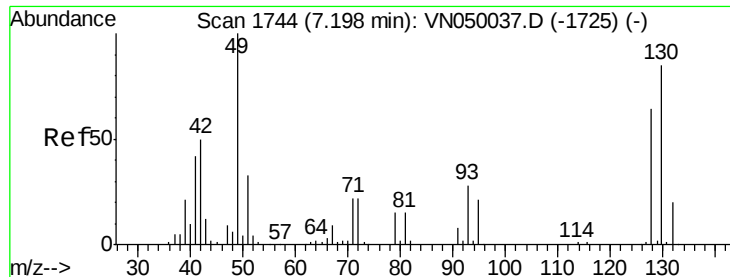
Manual Integrations
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7/26/2018 3:54:30 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
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QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

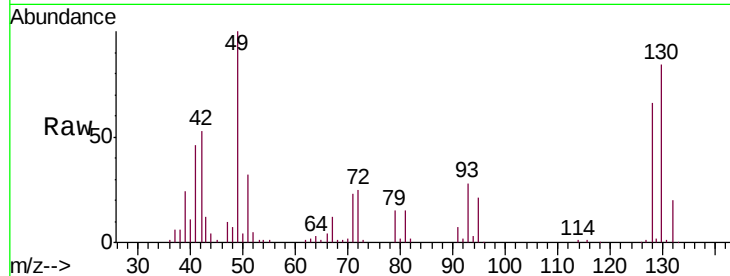
ClientSampled :

VN0725WBSD01

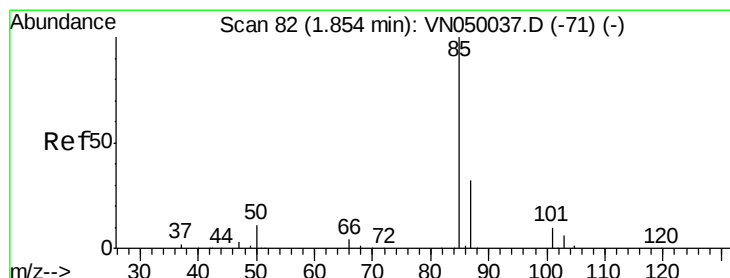
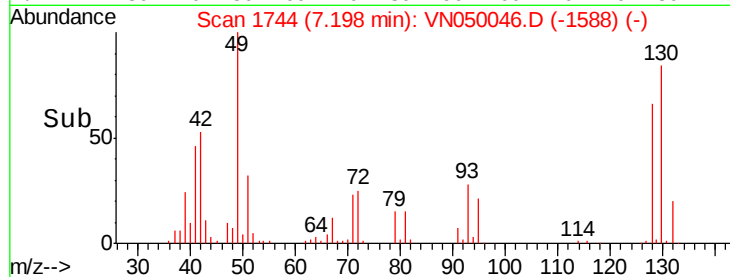
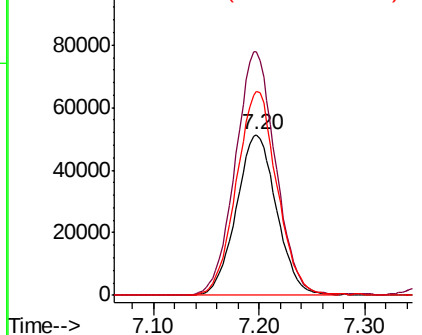
Tot Ion:	128	Resp:	136270
Ion	Ratio	Lower	Upper
128	100		
49	152.0	0.0	378.3
130	128.5	0.0	320.7

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.82 ug/l

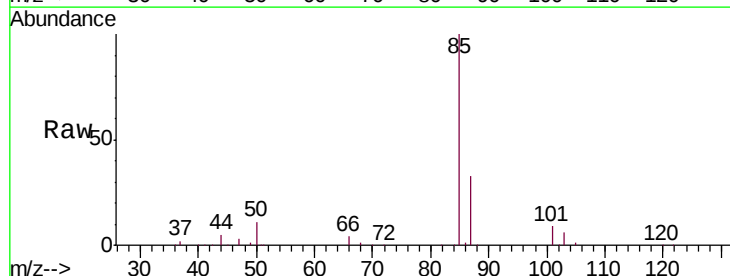
RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

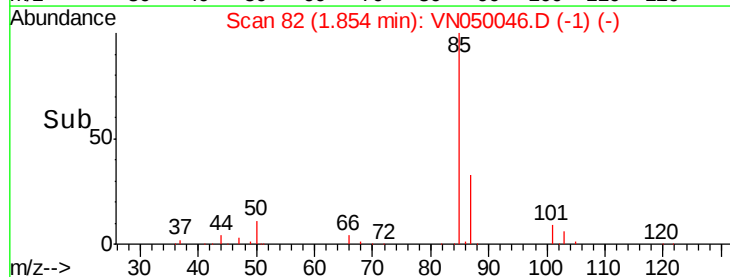
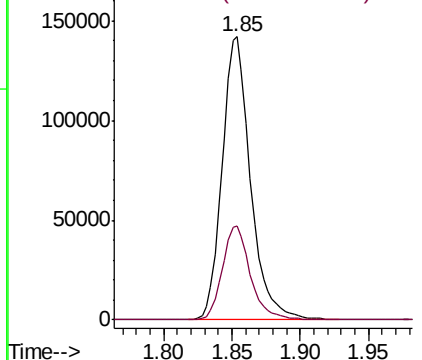
Lab File: VN050046.D

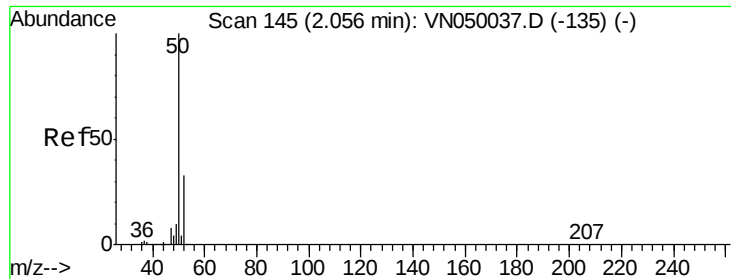
Acq: 25 Jul 2018 15:21

Tgt Ion:	85	Resp:	204924
Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.11 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 50 Resp: 194720

Ion Ratio Lower Upper

50 100

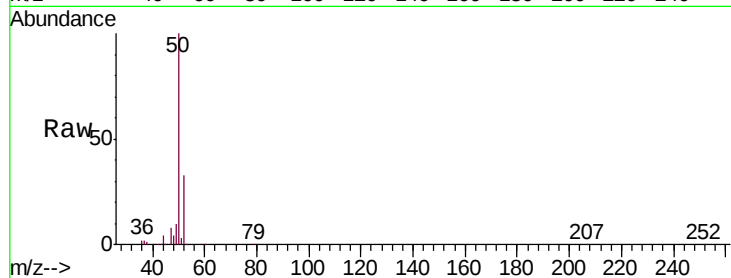
52 33.0 26.1 39.1

Manual Integrations

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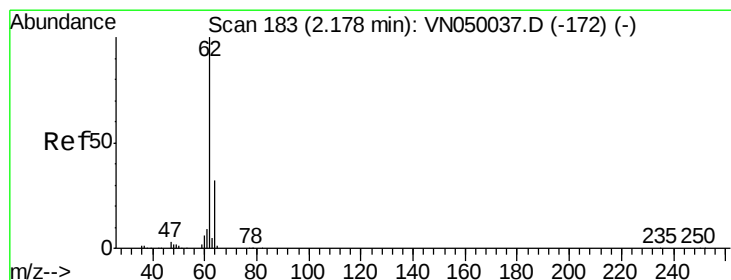
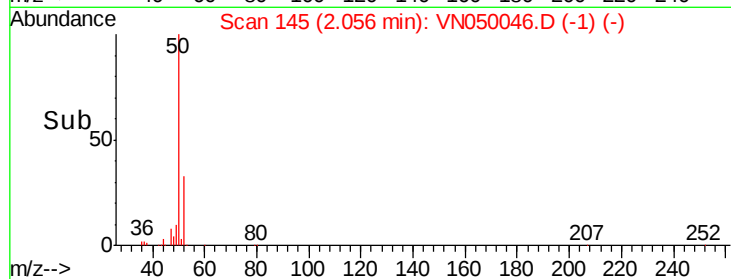
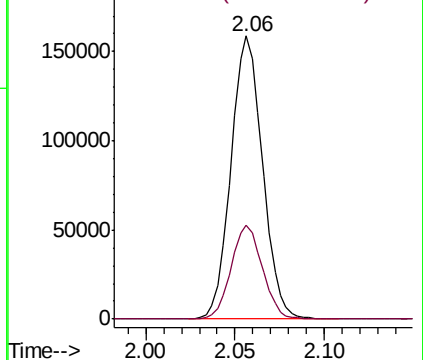
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.31 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050046.D

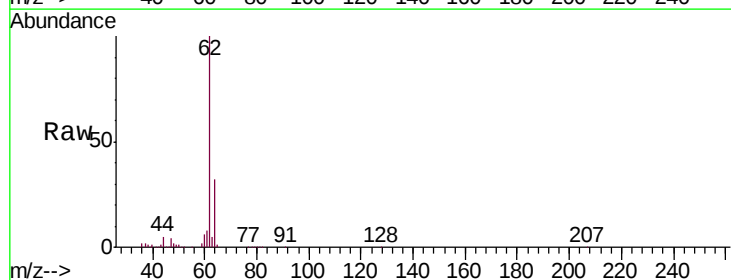
Acq: 25 Jul 2018 15:21

Tgt Ion: 62 Resp: 209320

Ion Ratio Lower Upper

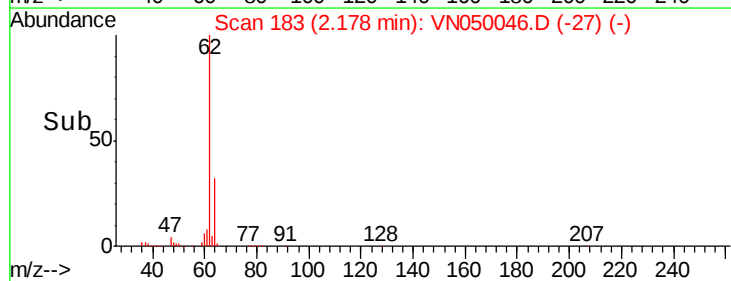
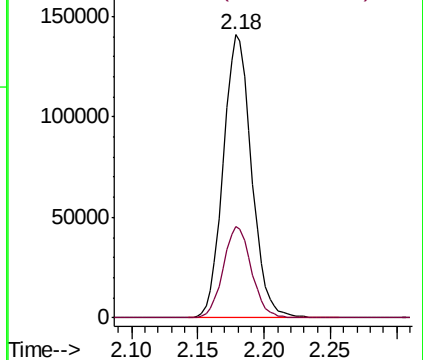
62 100

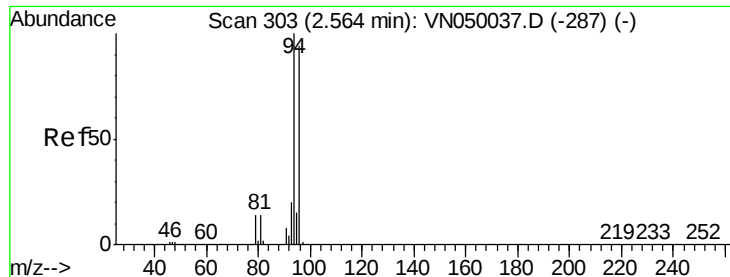
64 32.1 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.86 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 94 Resp: 143649

Ion Ratio Lower Upper

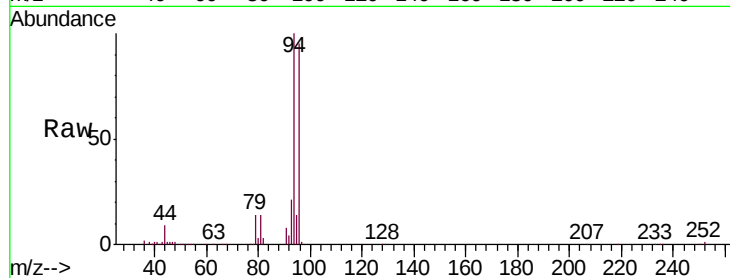
94 100

96 94.6 75.9 113.9

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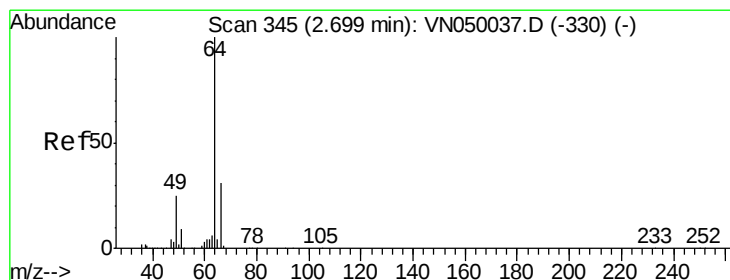
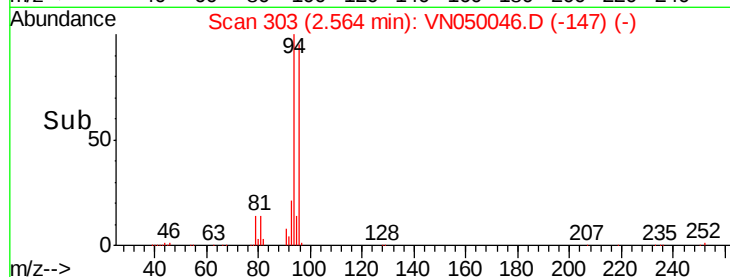
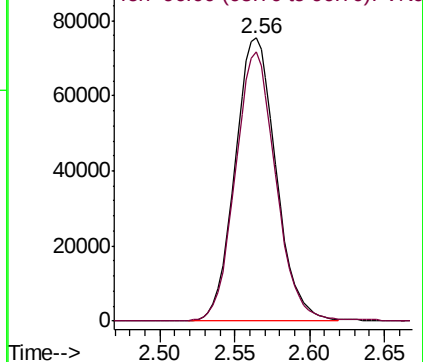
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.10 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050046.D

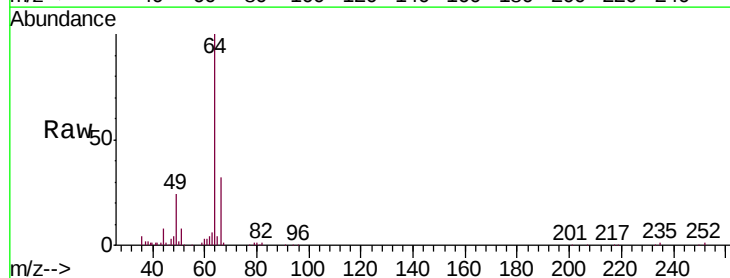
Acq: 25 Jul 2018 15:21

Tgt Ion: 64 Resp: 122534

Ion Ratio Lower Upper

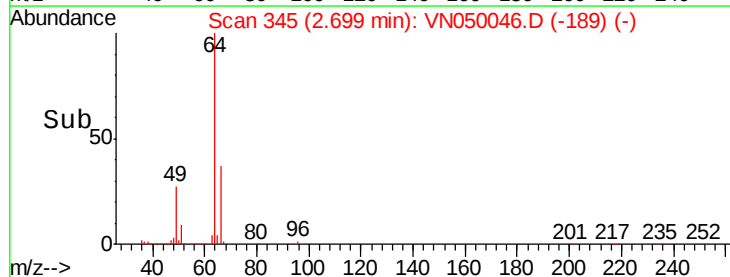
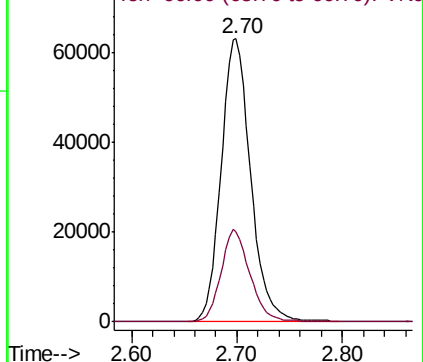
64 100

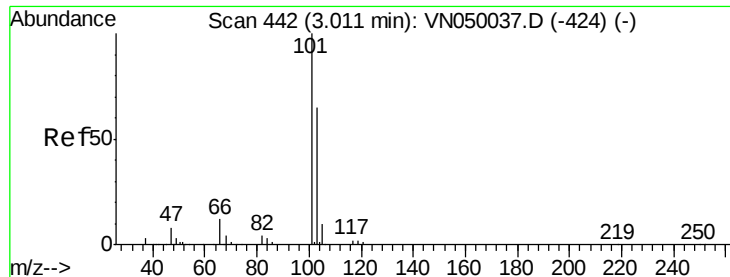
66 31.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

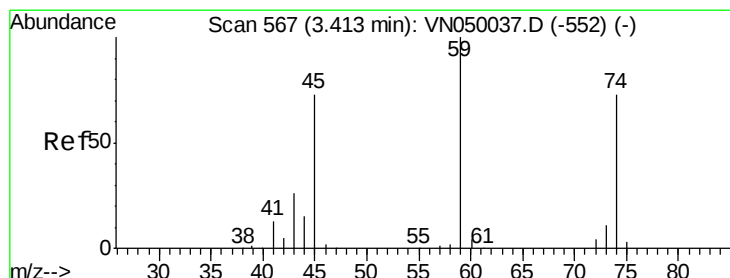
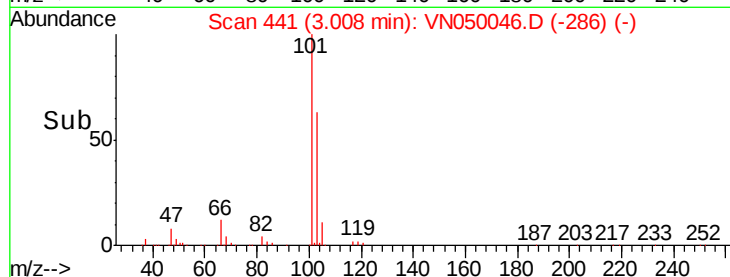
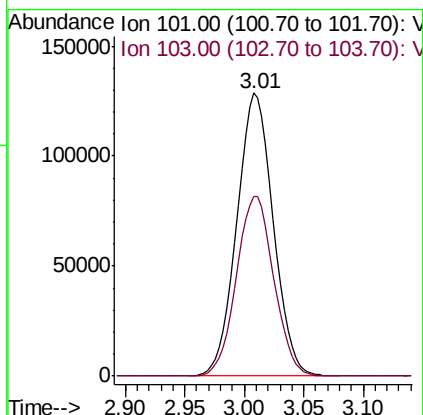
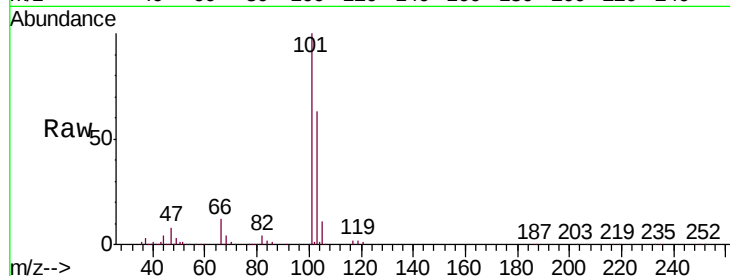
Trichlorofluoromethane
Concen: 20.26 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.5	77.3

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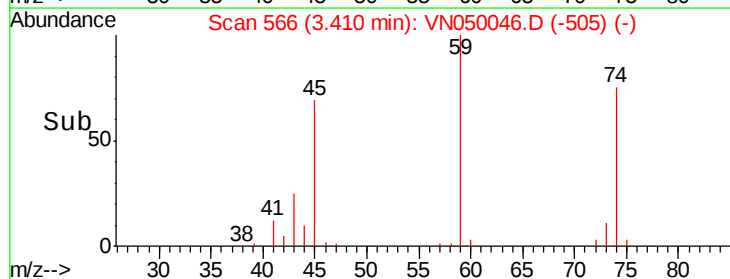
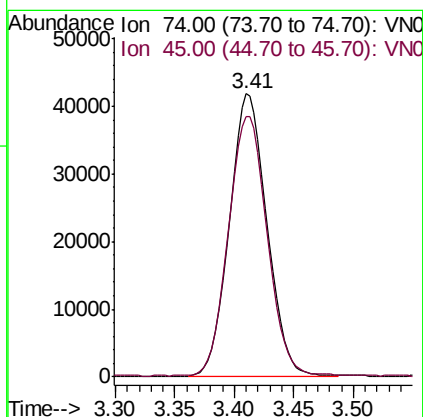
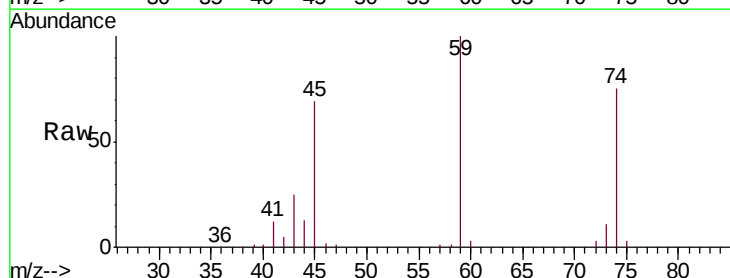
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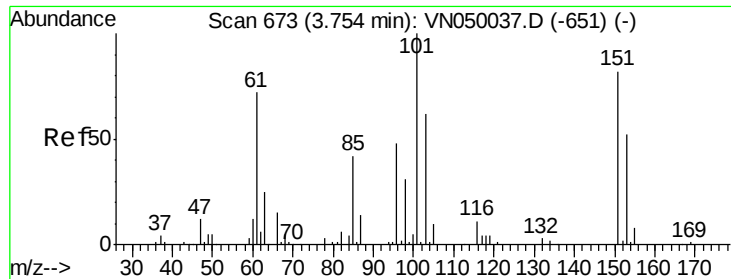


#8

Diethyl Ether
Concen: 20.32 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.67 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

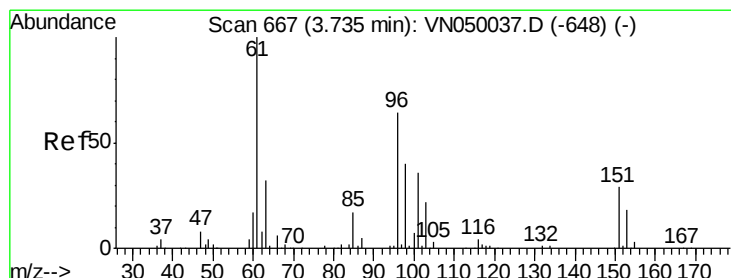
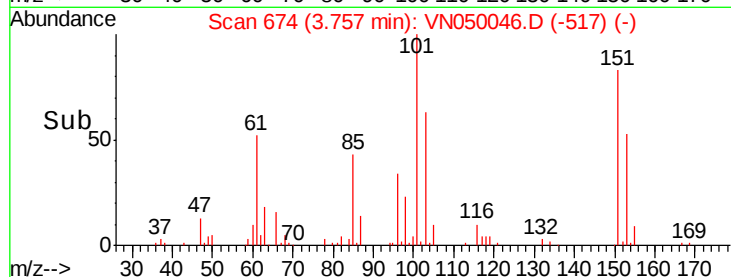
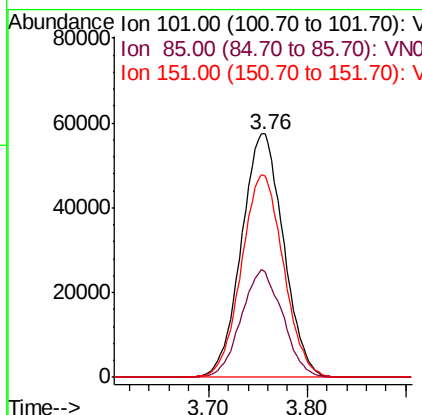
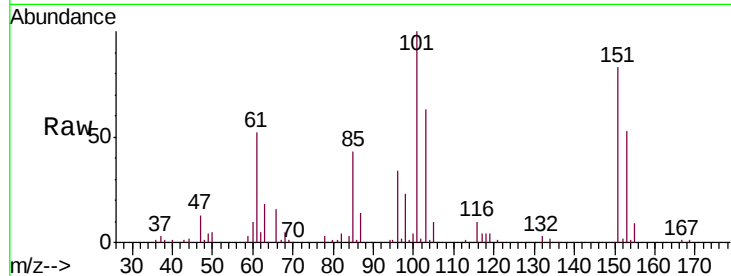
ClientSampleId :

VN0725WBSD01

Tot Ion:	101	Resp:	169333
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	83.0
151	83.1	0.0	166.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.35 ug/l

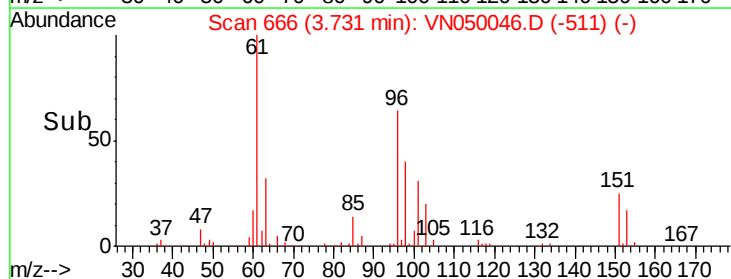
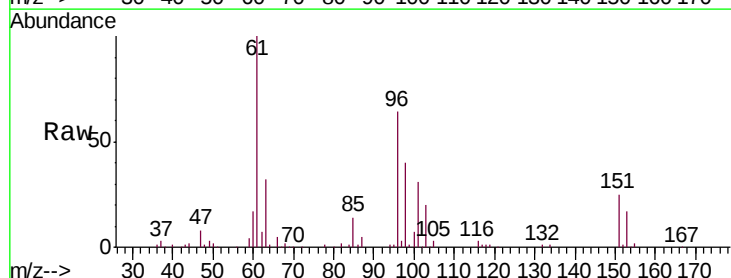
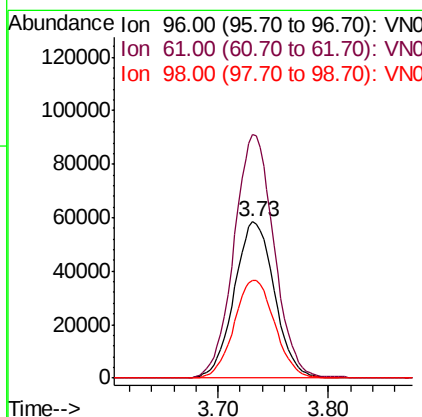
RT: 3.73 min Scan# 666

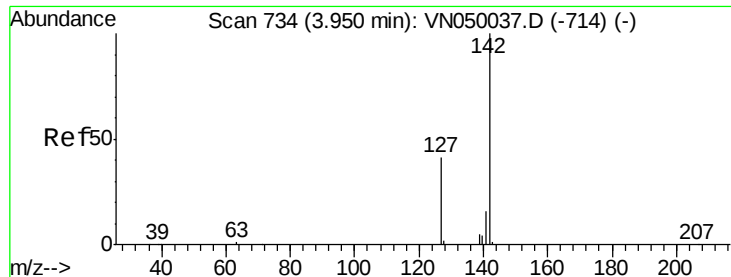
Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	96	Resp:	147849
Ion Ratio	Lower	Upper	
96	100		
61	155.2	130.6	195.8
98	62.6	53.5	80.3





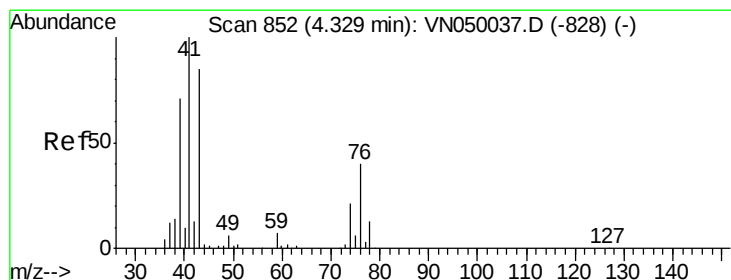
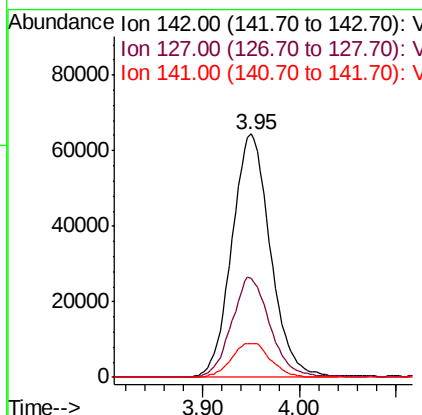
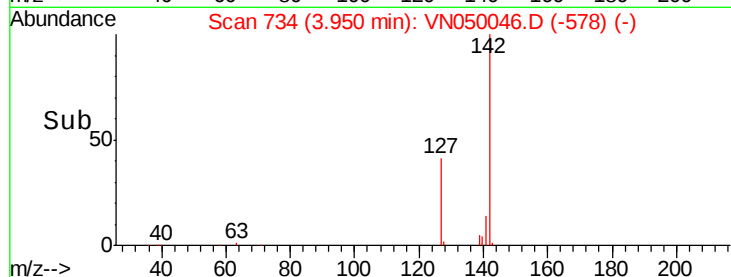
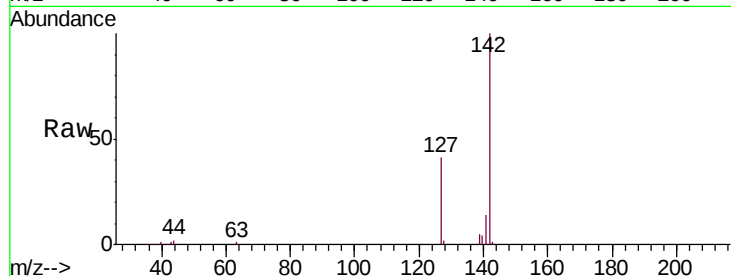
#11
Methvl Iodide
Concen: 16.68 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.7	20.2	60.5
141	14.0	6.9	20.6

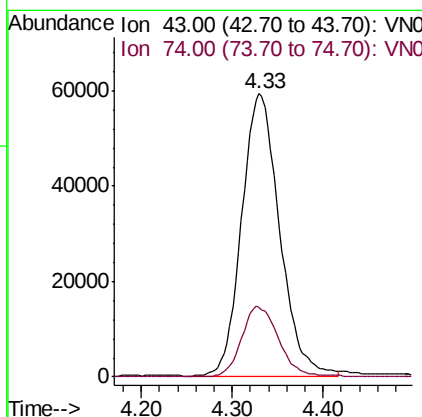
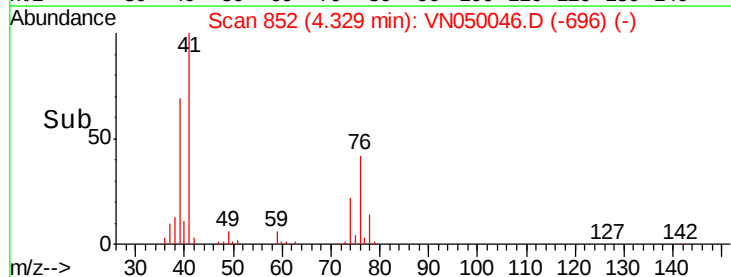
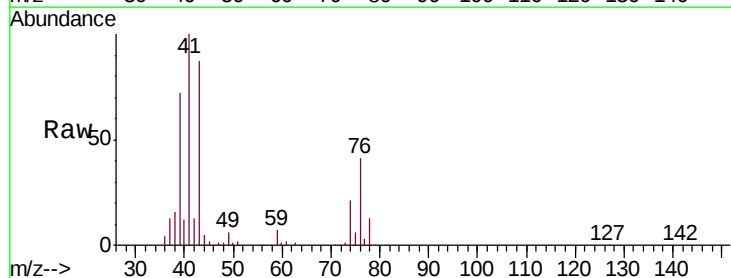
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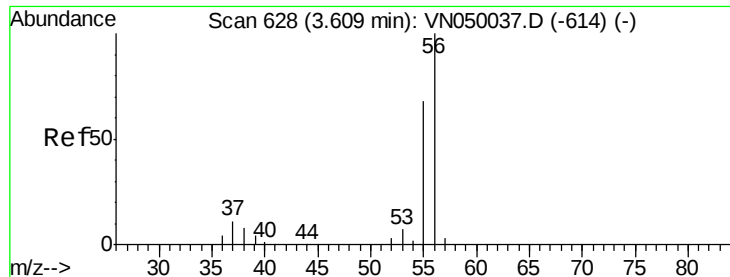
MMDadoda
7/26/2018 3:54:30 PM



#12
Methyl Acetate
Concen: 20.57 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





#13

Acrolein

Concen: 71.03 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 56 Resp: 36534

Ion Ratio Lower Upper

56 100

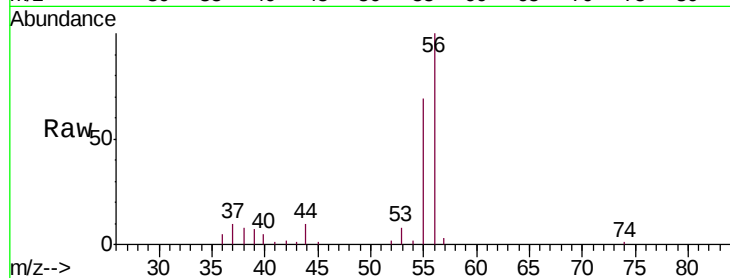
55 71.8 58.6 88.0

Manual Integrations

APPROVED

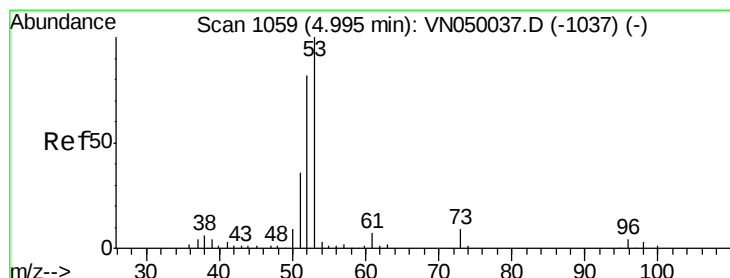
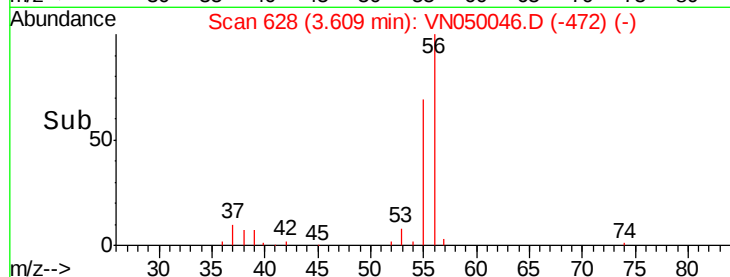
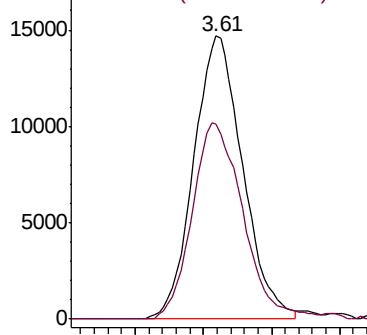
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.84 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

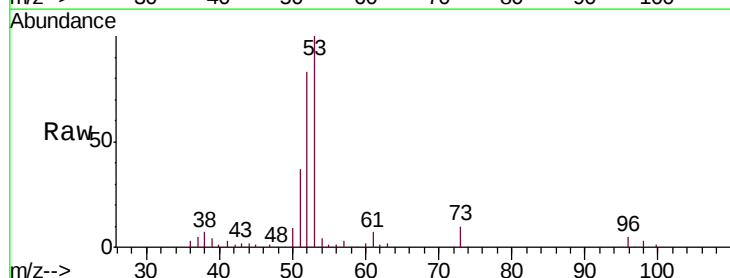
Tgt Ion: 53 Resp: 274492

Ion Ratio Lower Upper

53 100

52 81.8 41.5 124.5

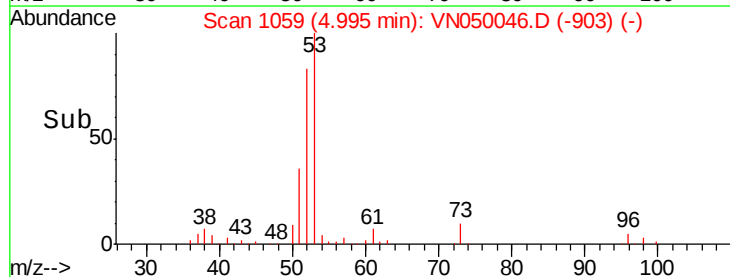
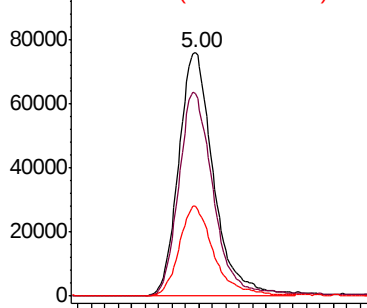
51 35.6 18.7 56.1

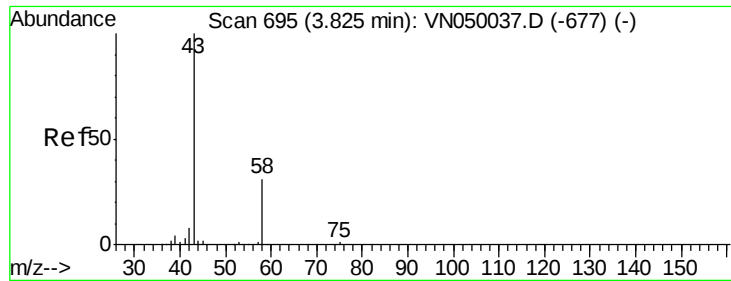


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 104.30 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 58 Resp: 76983

Ion Ratio Lower Upper

58 100

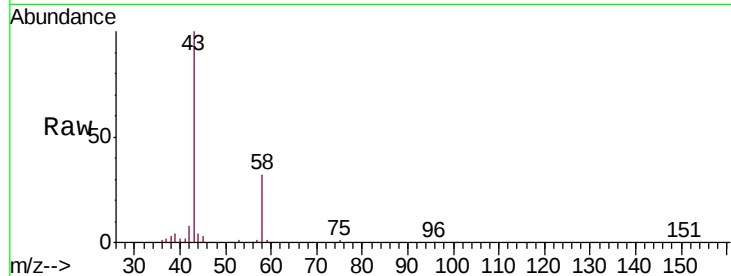
43 312.7 252.0 378.0

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

100000

80000

60000

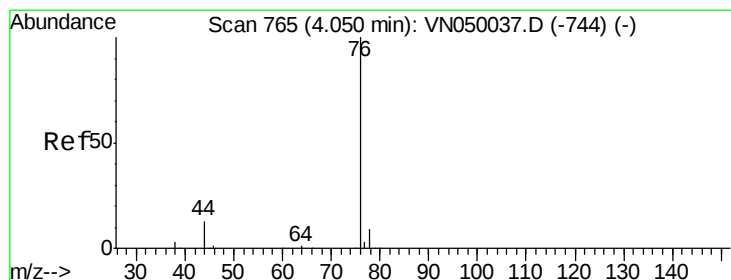
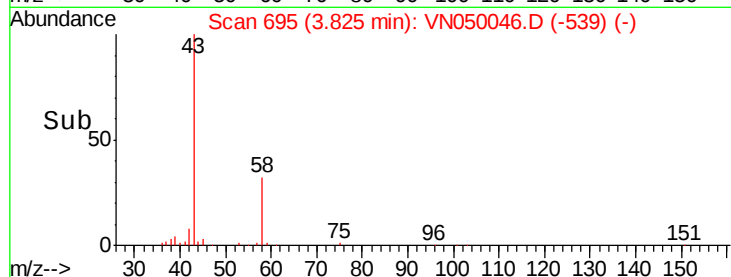
40000

20000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 19.77 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050046.D

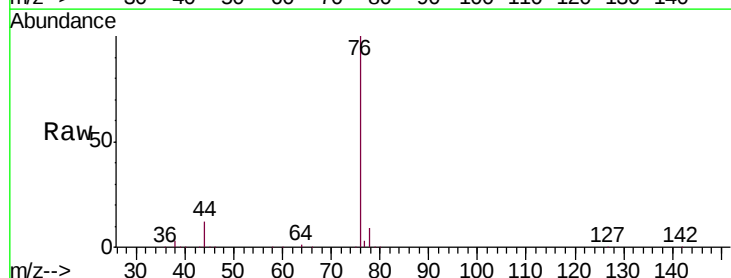
Acq: 25 Jul 2018 15:21

Tgt Ion: 76 Resp: 439480

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

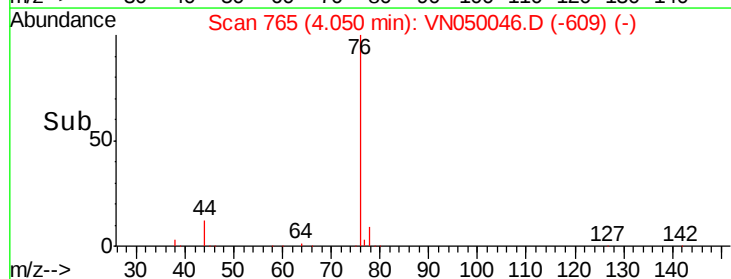
100000

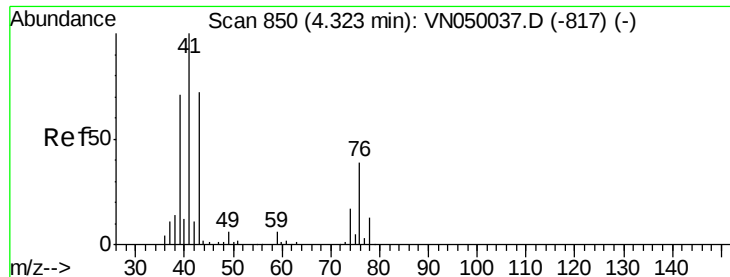
50000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 19.84 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

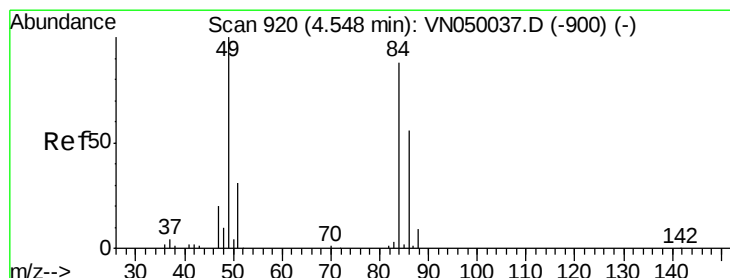
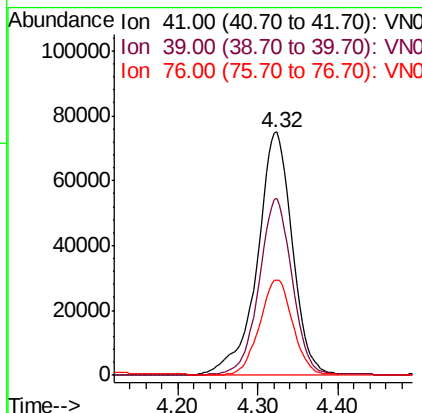
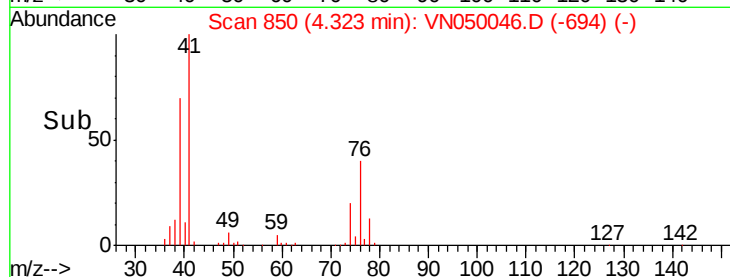
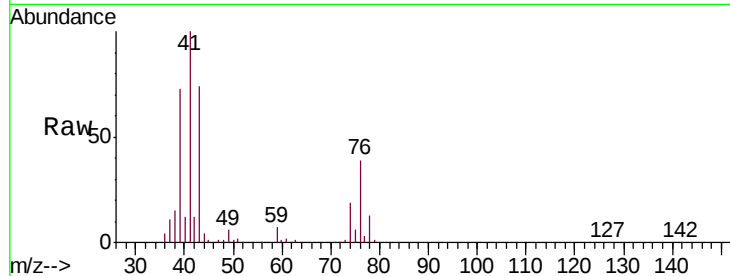
ClientSampleId :

VN0725WBSD01

Tot Ion:	41	Resp:	227611
Ion	Ratio	Lower	Upper
41	100		
39	72.9	35.4	106.3
76	38.9	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 20.39 ug/l

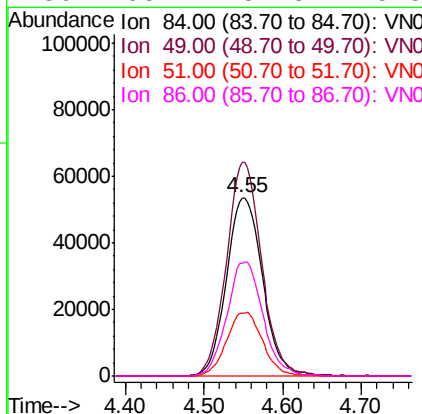
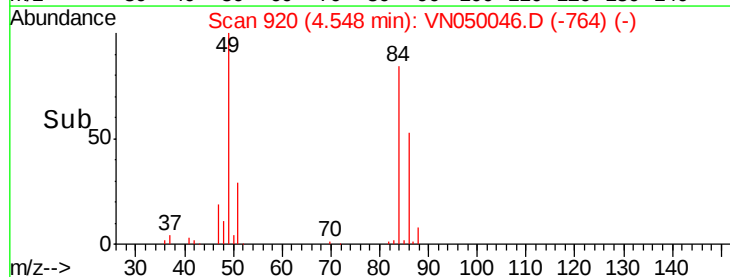
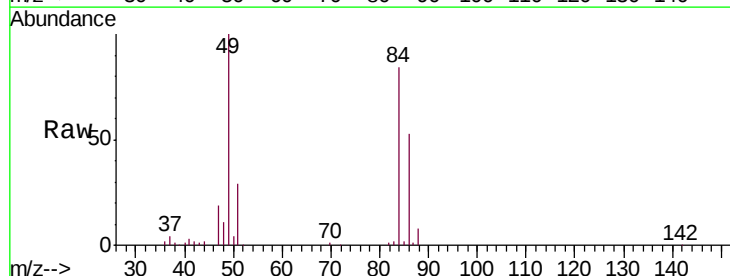
RT: 4.55 min Scan# 920

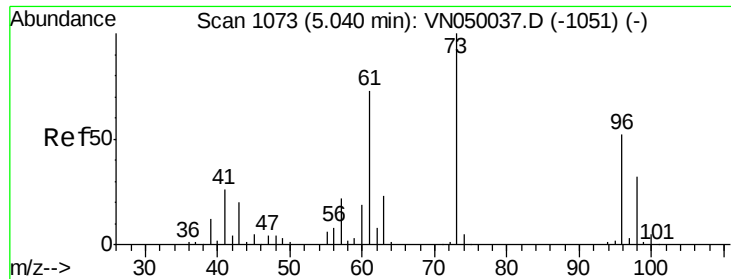
Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	84	Resp:	170983
Ion	Ratio	Lower	Upper
84	100		
49	119.4	95.1	142.7
51	35.1	28.8	43.2
86	63.4	52.3	78.5





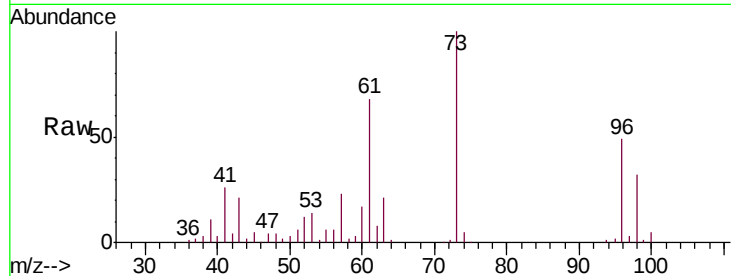
#19
trans-1,2-Dichloroethene
Concen: 19.95 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	112.1	168.1
98	64.9	51.3	76.9

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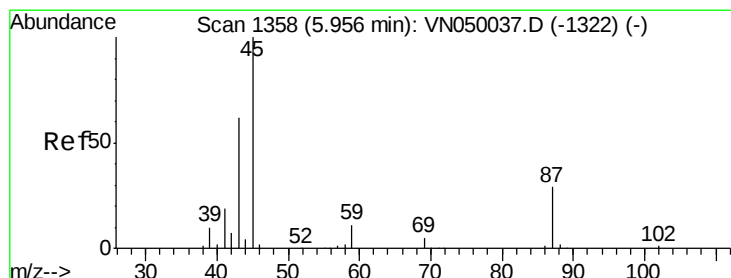
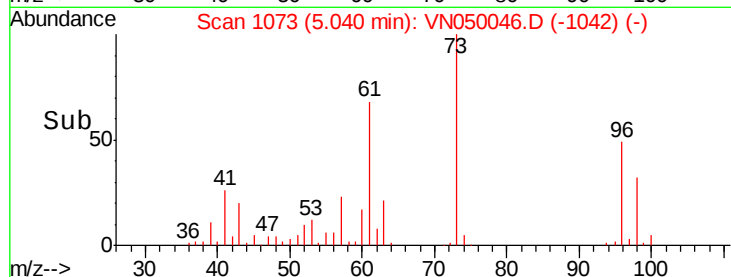
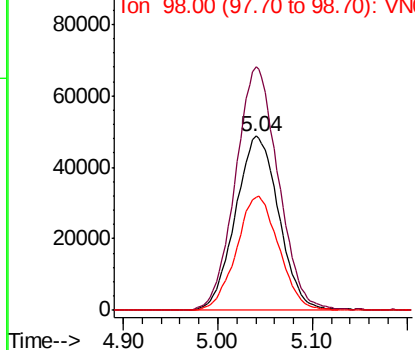


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 20.49 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	46.6	70.0
87	28.6	22.3	33.5
59	11.7	9.5	14.3

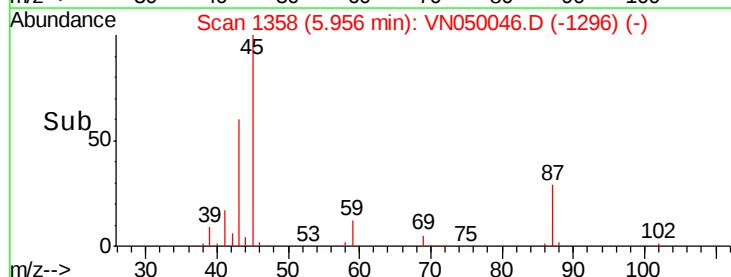
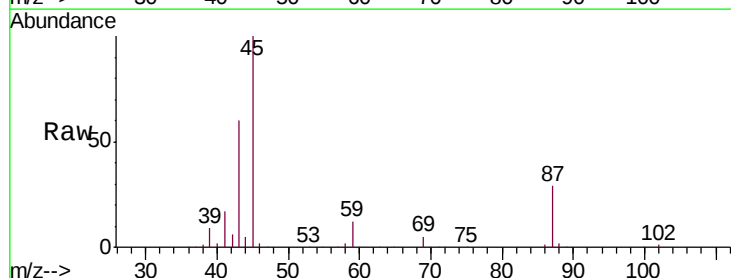
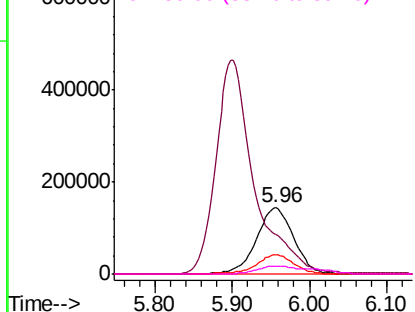
Abundance

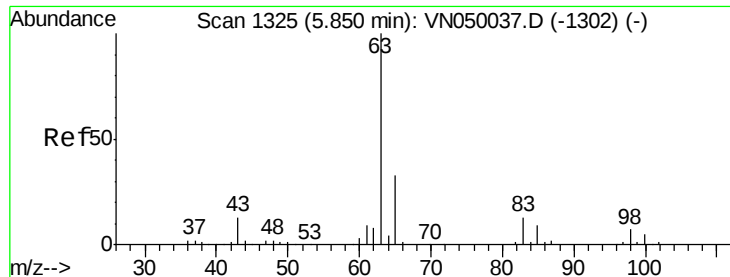
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





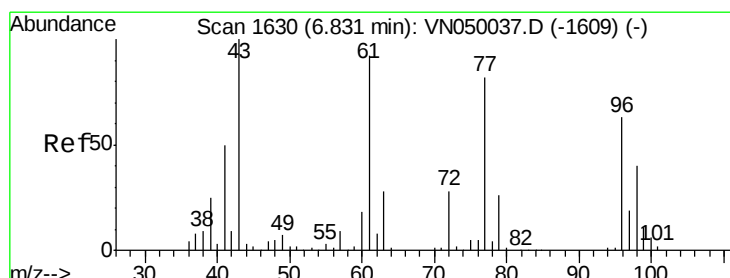
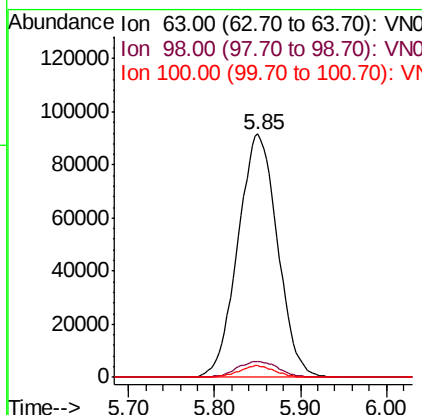
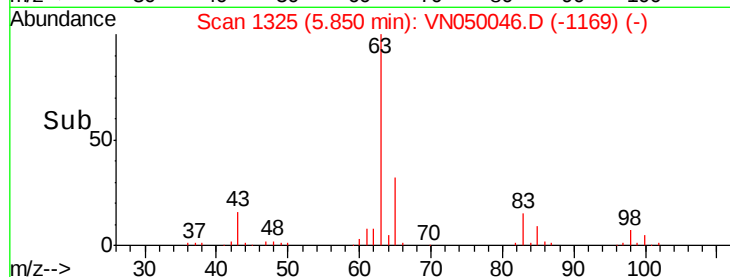
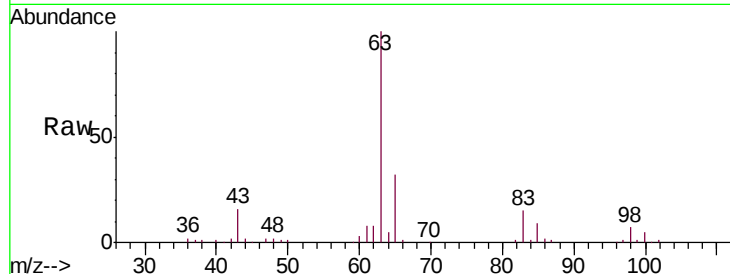
#21
 1,1-Dichloroethane
 Concen: 19.85 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	293596		
98	6.7		3.5	10.6
100	4.7		2.3	6.8

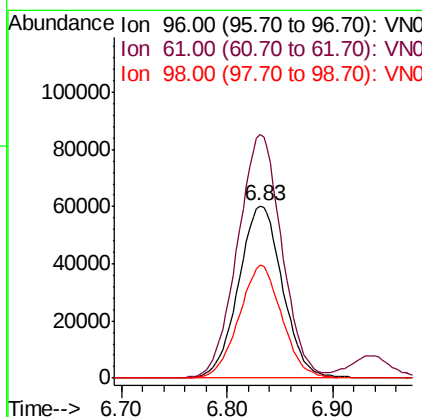
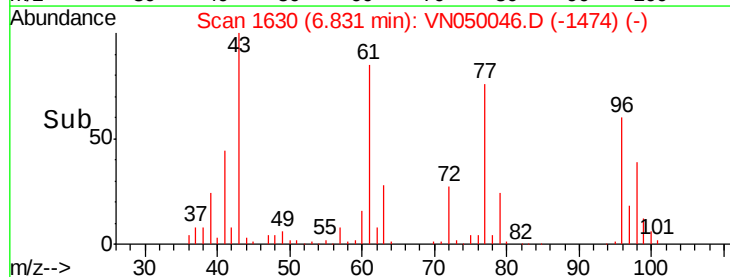
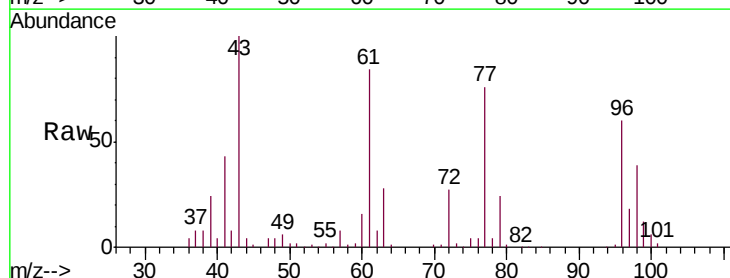
Manual Integrations
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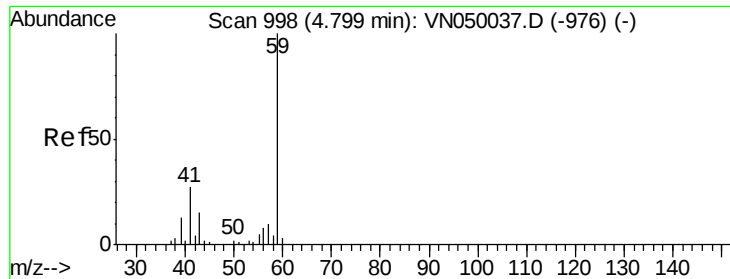
MMDadoda
 7/26/2018 3:54:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.21 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	174375		
61	142.8		114.2	171.2
98	64.2		51.7	77.5





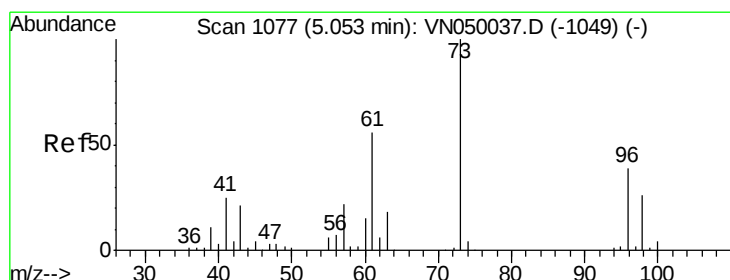
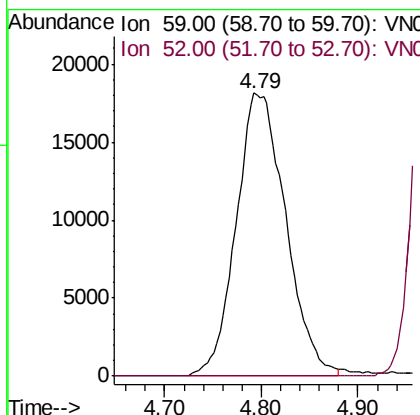
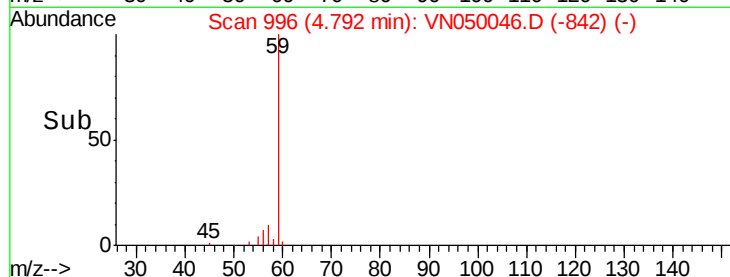
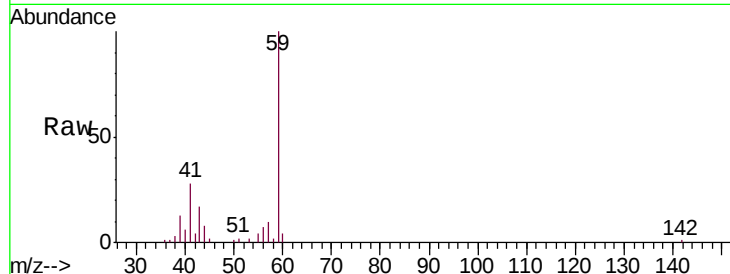
#23
tert-Butyl Alcohol
Concen: 104.08 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion: 59 Resp: 64588
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

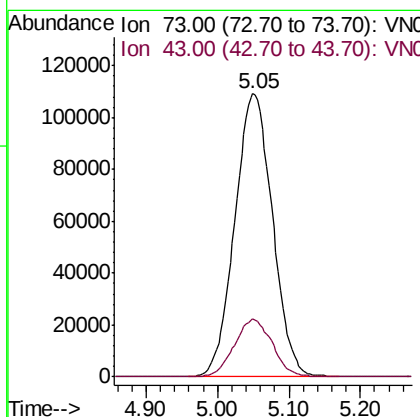
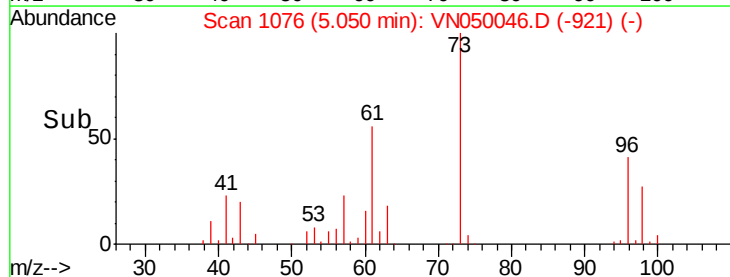
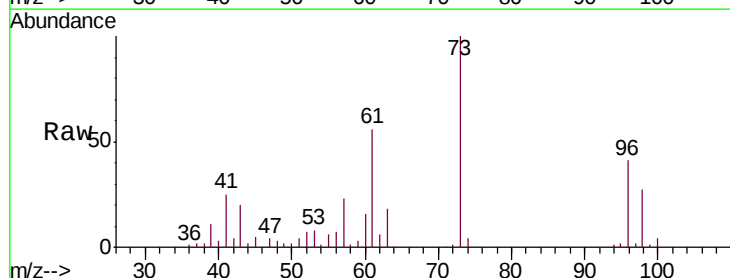
Manual Integrations
APPROVED

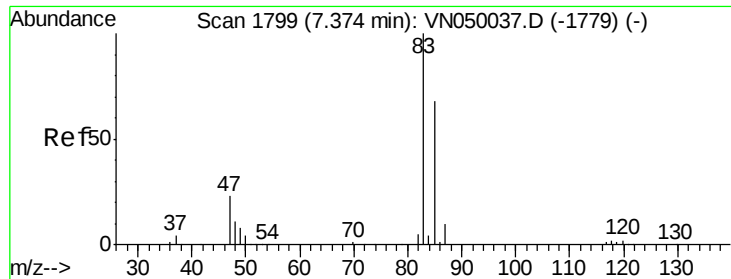
MMDadoda
7/26/2018 3:54:30 PM



#24
Methyl tert-Butyl Ether
Concen: 20.25 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 73 Resp: 401143
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3





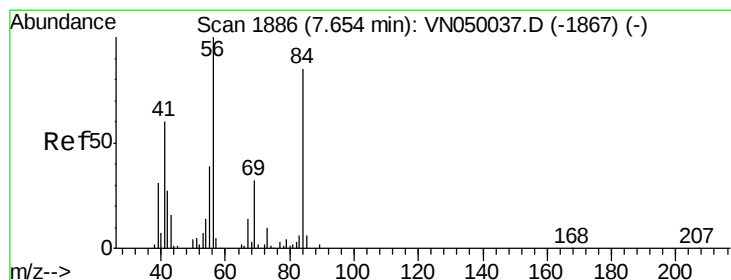
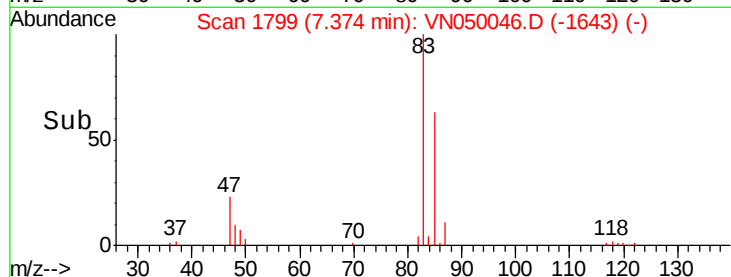
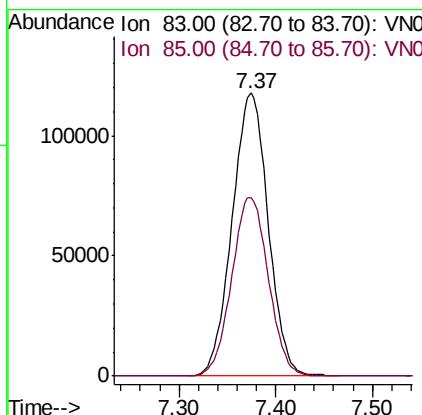
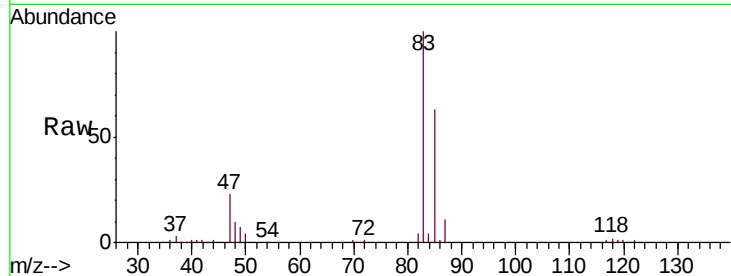
#25
Chloroform
Concen: 20.38 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampled :
VN0725WBSD01

Tot Ion	83	Resp	305164
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.1	78.1

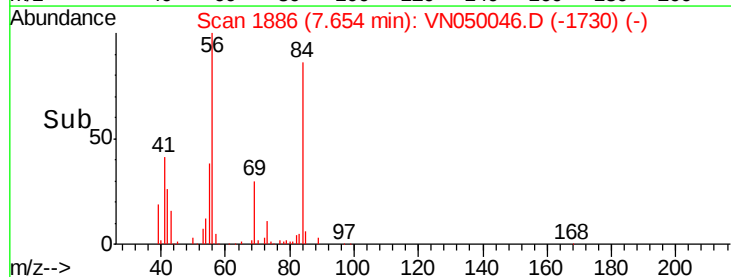
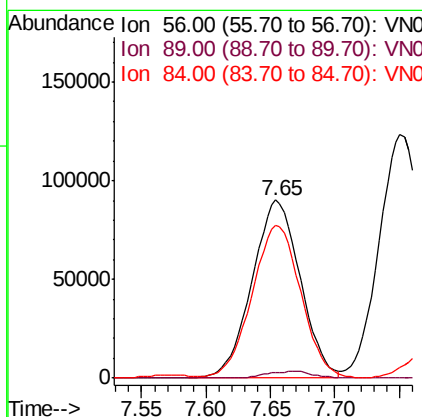
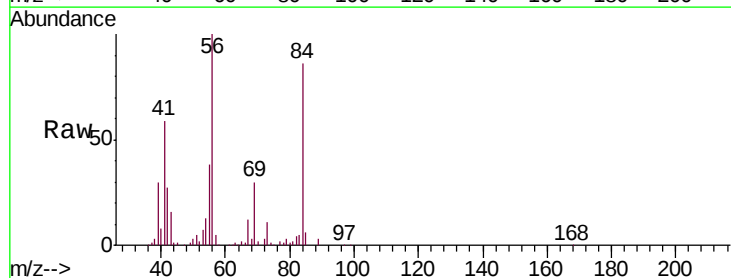
Manual Integrations
APPROVED

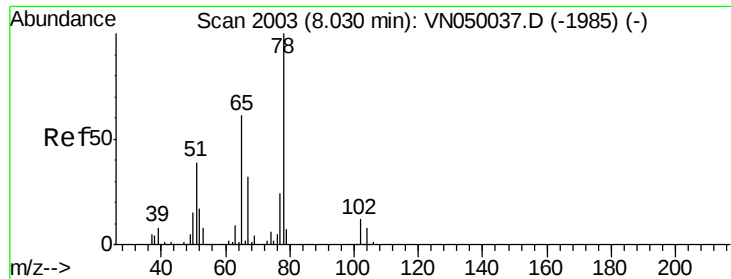
MMDadoda
7/26/2018 3:54:30 PM



#26
Cyclohexane
Concen: 19.95 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	56	Resp	234501
Ion Ratio	100	Lower	Upper
56	100		
89	3.6	3.0	4.4
84	87.4	69.8	104.8





#27

1,2-Dichloroethane-d4

Concen: 30.84 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 65 Resp: 285682

Ion Ratio Lower Upper

65 100

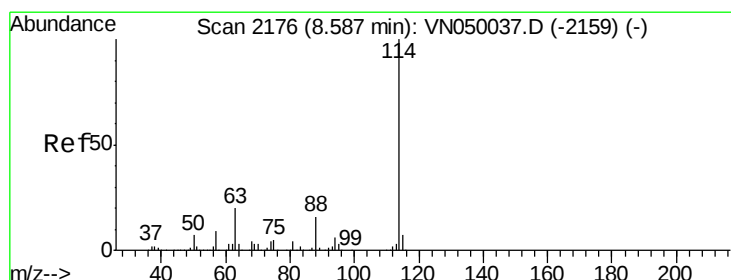
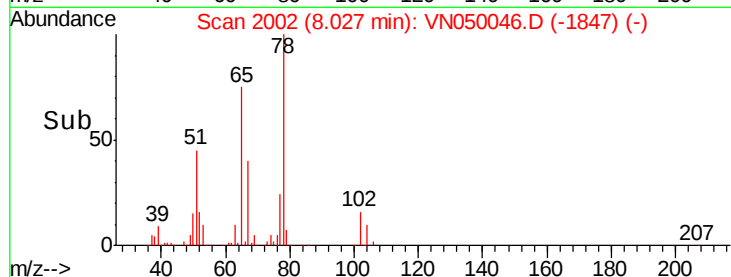
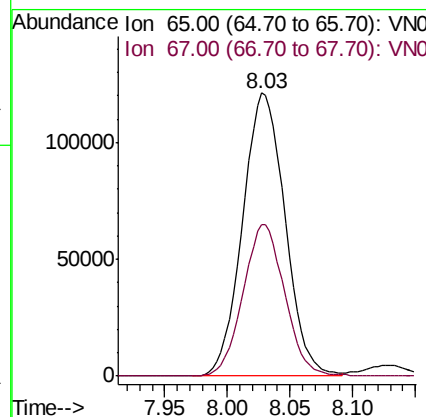
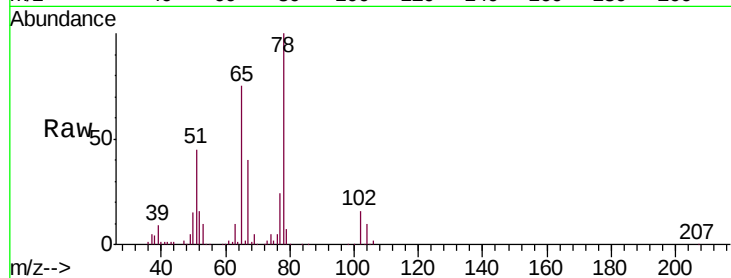
67 52.6 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:30 PM



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

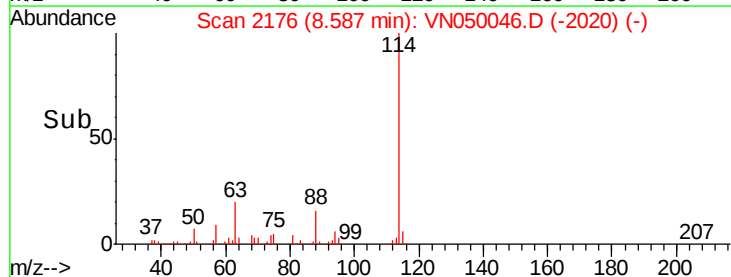
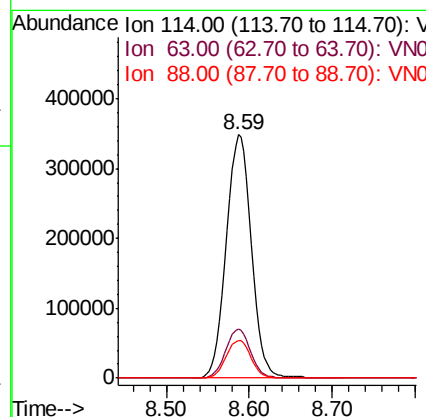
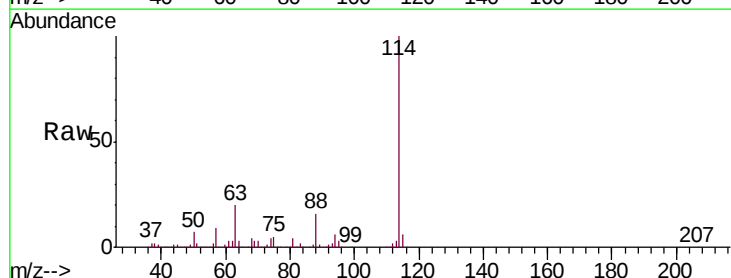
Tgt Ion: 114 Resp: 734301

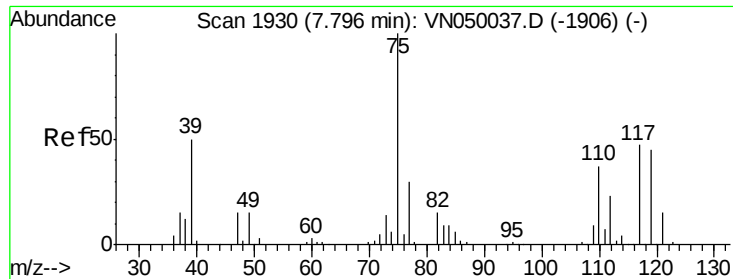
Ion Ratio Lower Upper

114 100

63 20.0 16.2 24.2

88 15.4 12.3 18.5





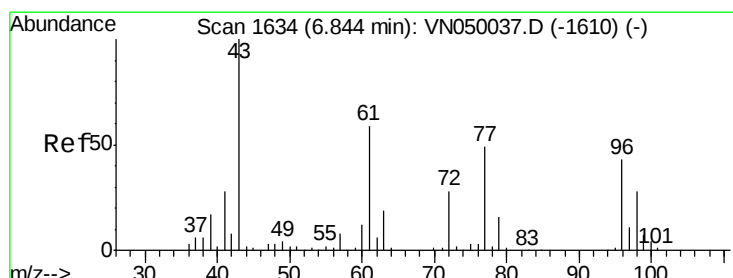
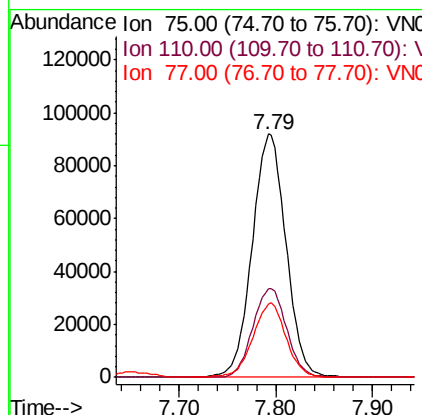
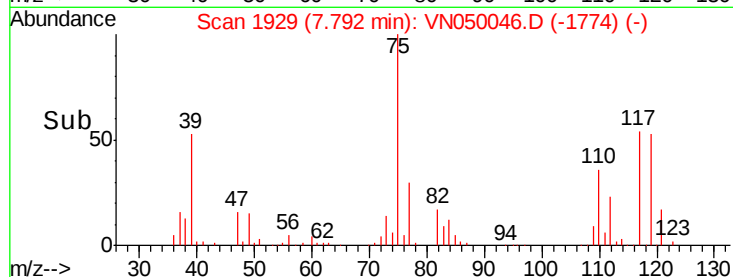
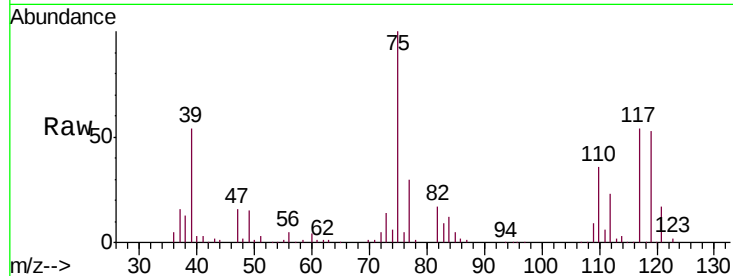
#29
 1,1-Dichloropropene
 Concen: 19.58 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	0.0	73.2	
77	30.2	0.0	62.0	

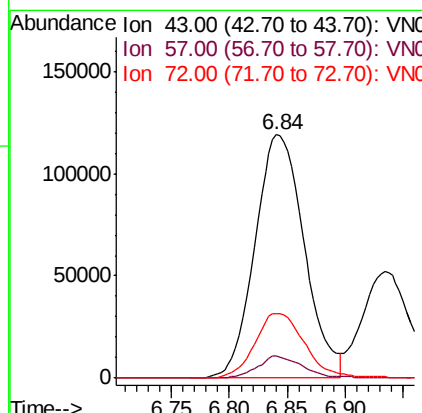
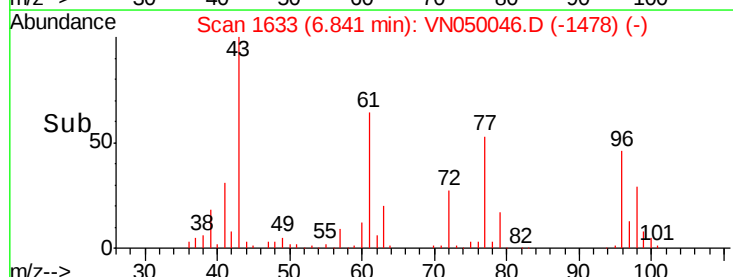
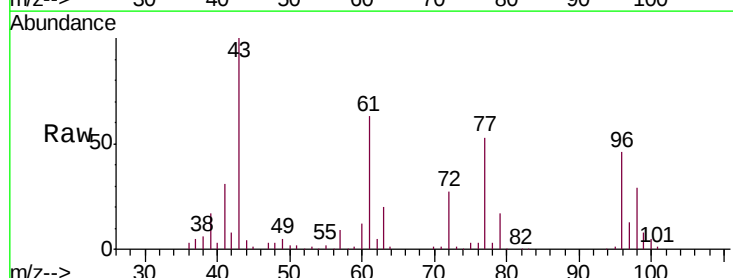
Manual Integrations
 APPROVED

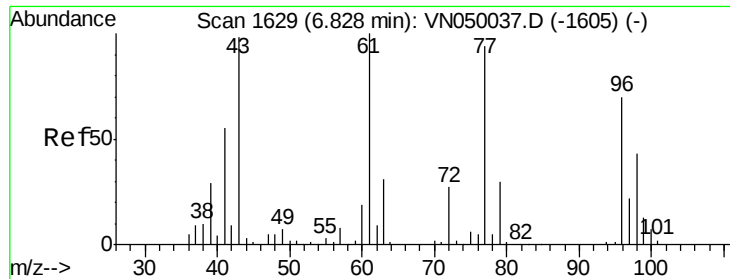
MMDadoda
 7/26/2018 3:54:30 PM



#30
 2-Butanone
 Concen: 98.30 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.3	6.8	10.2	
72	27.1	21.4	32.0	





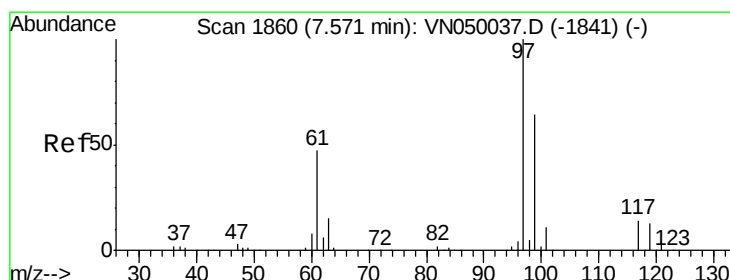
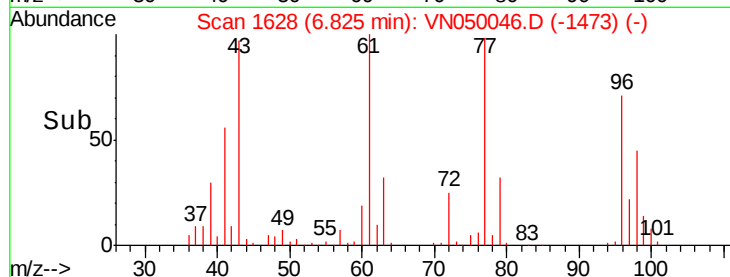
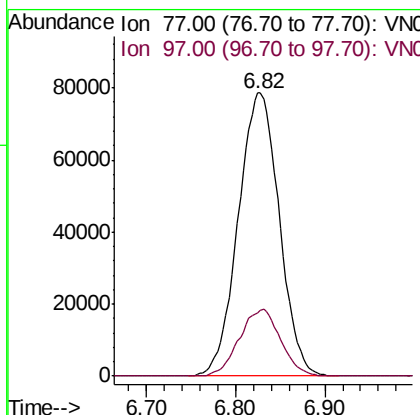
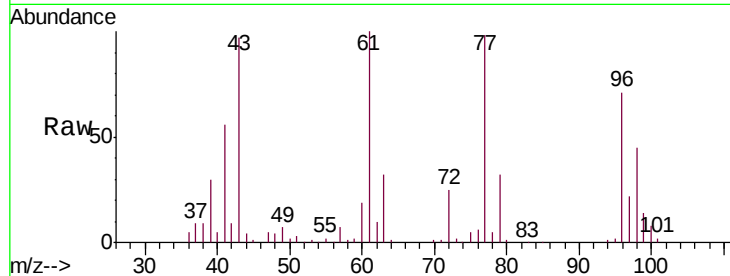
#31
 2,2-Dichloropropane
 Concen: 19.97 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion: 77 Resp: 251546
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.9 28.3

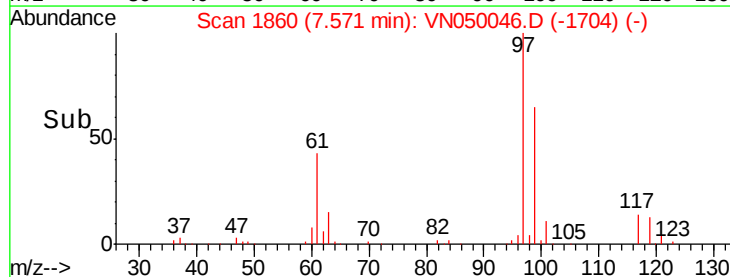
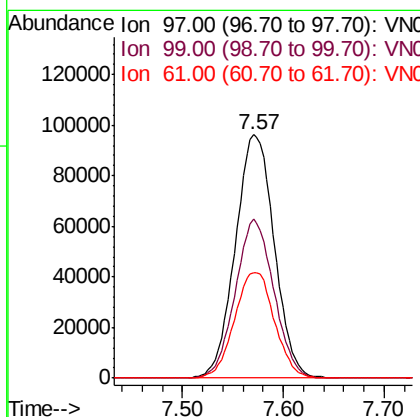
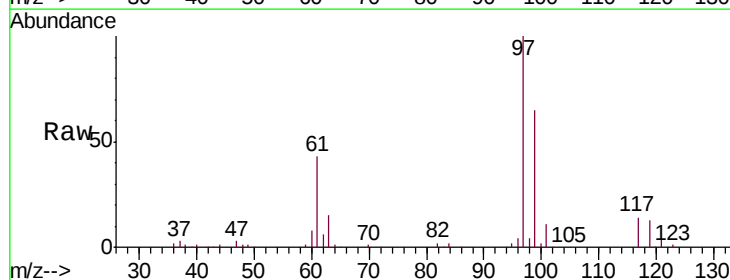
Manual Integrations
 APPROVED

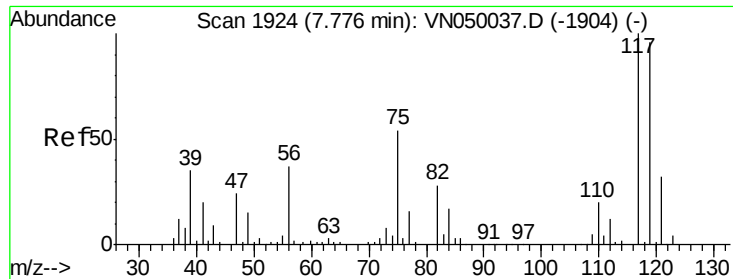
MMDadoda
 7/26/2018 3:54:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.22 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion: 97 Resp: 257803
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.2 76.8
 61 44.6 35.3 52.9





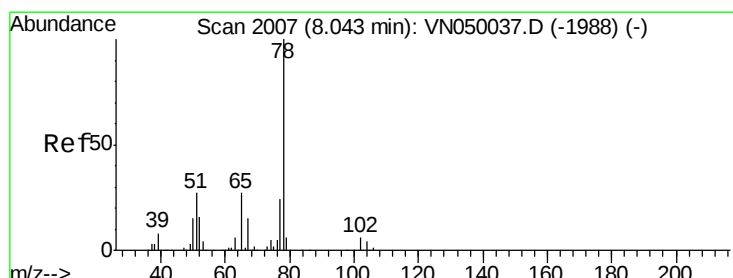
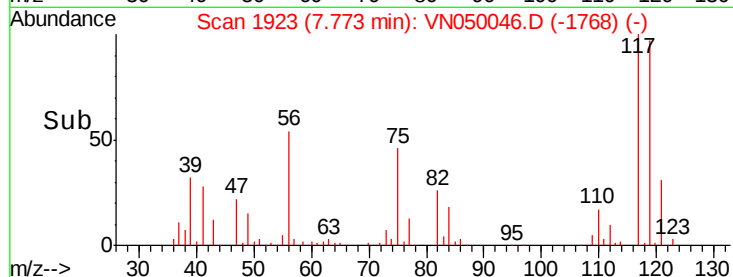
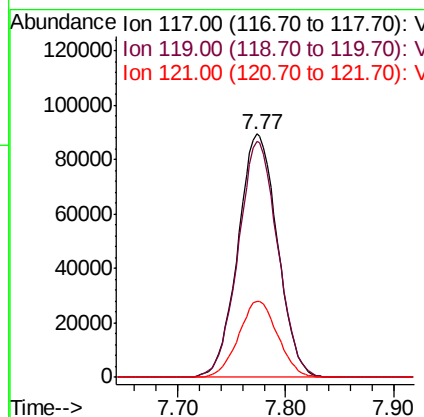
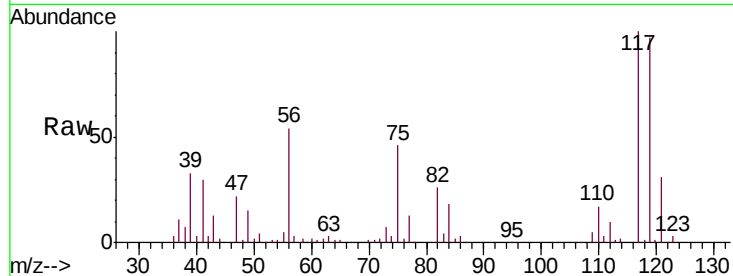
#33
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	227726		
119	97.1	76.9	115.3	
121	31.4	24.4	36.6	

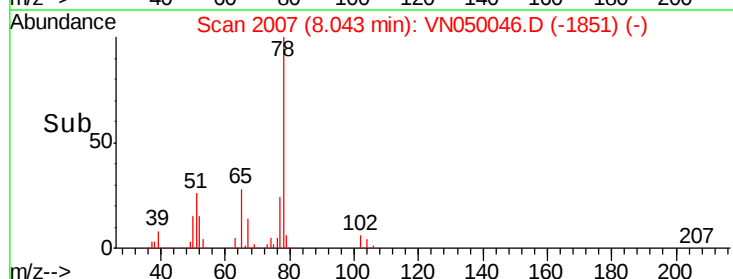
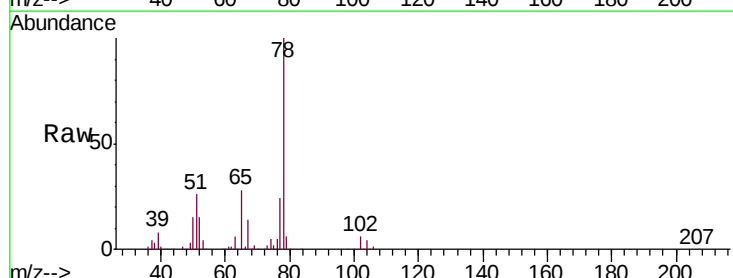
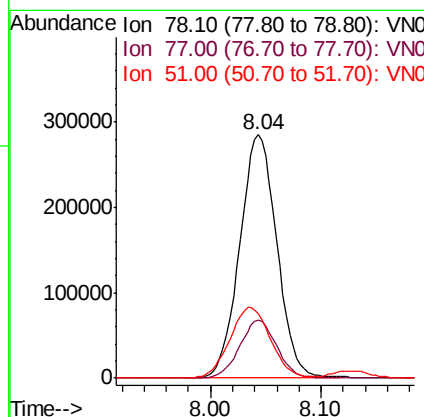
Manual Integrations
APPROVED

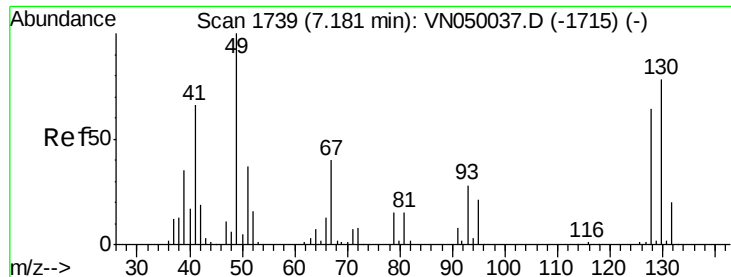
MMDadoda
7/26/2018 3:54:30 PM



#34
Benzene
Concen: 19.21 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	664930		
77	24.0	19.1	28.7	
51	26.2	21.0	31.4	





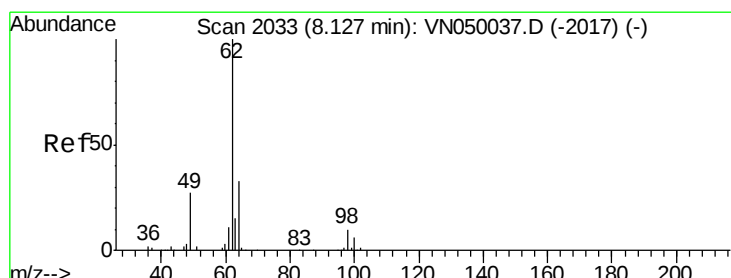
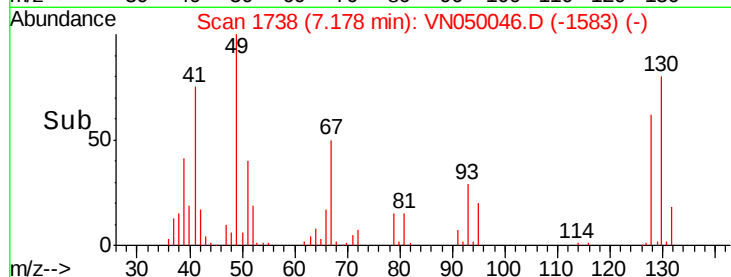
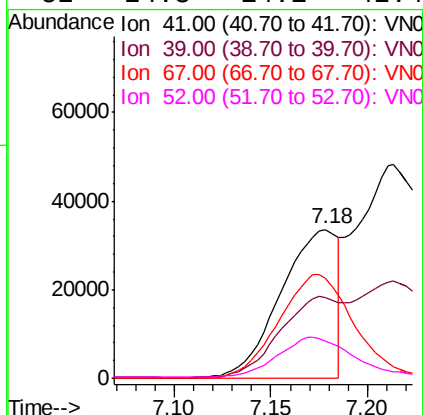
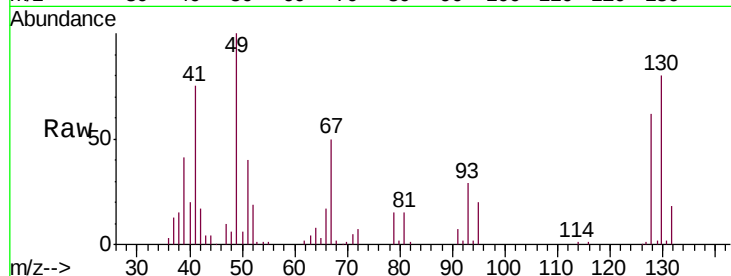
#35
Methacrylonitrile
Concen: 16.92 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	27.6	82.7	
67	67.0	35.1	105.5	
52	24.3	14.1	42.4	

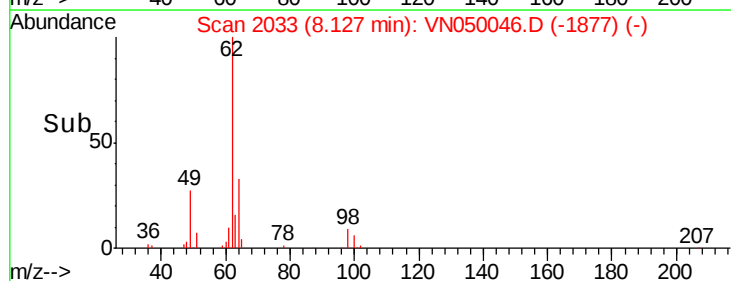
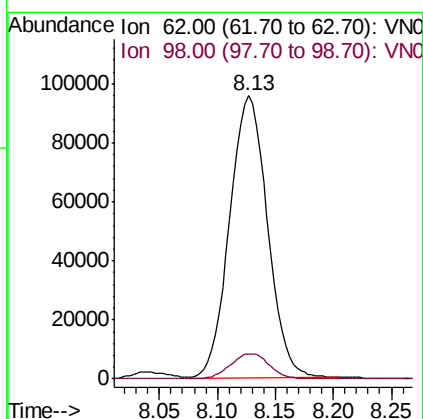
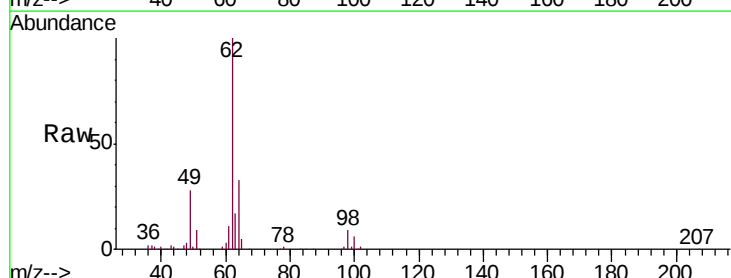
Manual Integrations
APPROVED

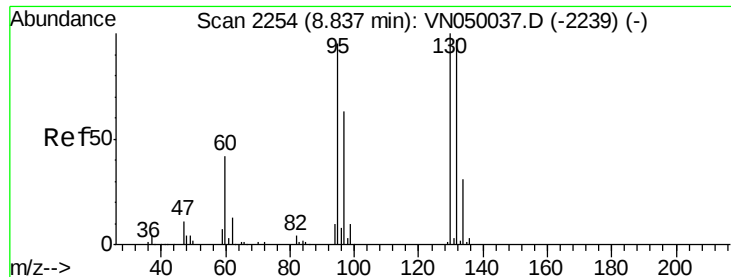
MMDadoda
7/26/2018 3:54:30 PM



#36
1,2-Dichloroethane
Concen: 19.13 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.8	11.6	





#37

Trichloroethene

Concen: 19.55 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion:130 Resp: 177418

Ion Ratio Lower Upper

130 100

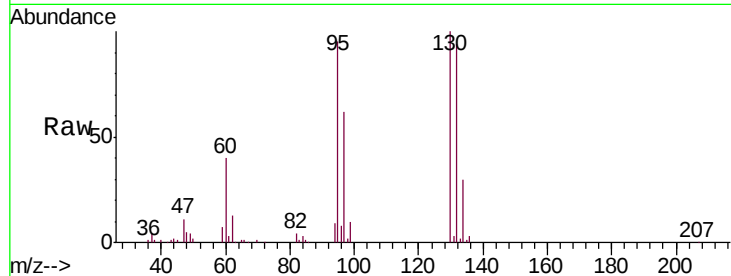
95 95.0 79.7 119.5

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN0

Ion 94.90 (94.60 to 95.60): VN0

8.84

100000

80000

60000

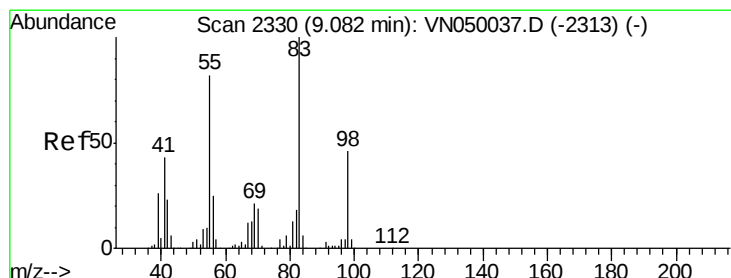
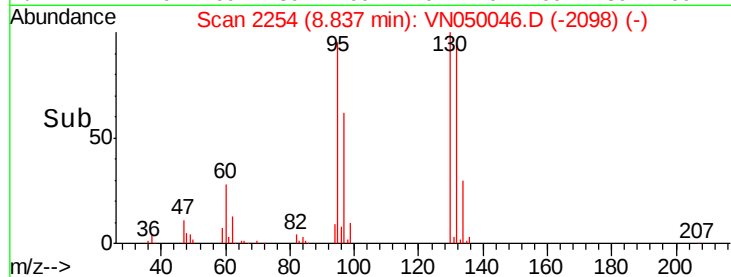
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.06 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

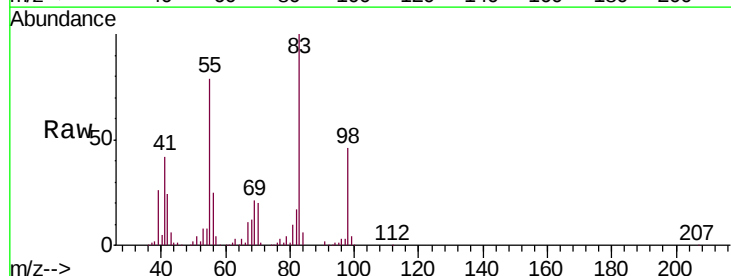
Tgt Ion: 83 Resp: 228944

Ion Ratio Lower Upper

83 100

55 78.1 39.3 117.8

98 46.7 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

150000

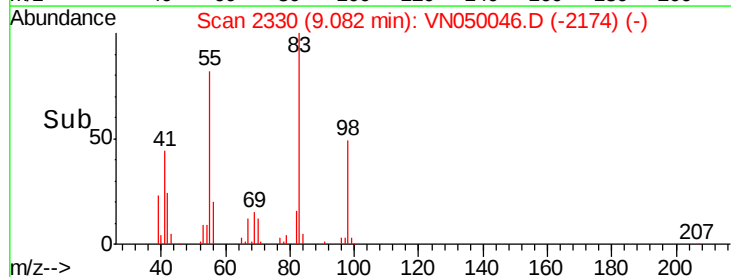
100000

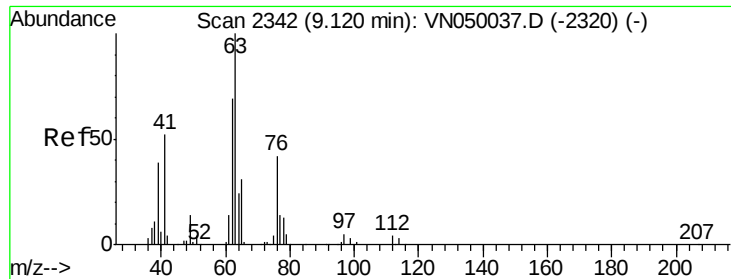
50000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 19.45 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 63 Resp: 177284

Ion Ratio Lower Upper

63 100

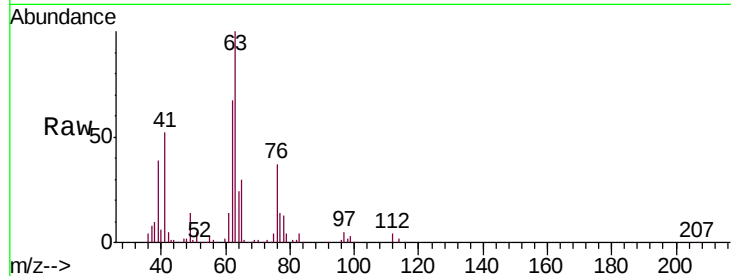
65 29.3 24.2 36.2

Manual Integrations

APPROVED

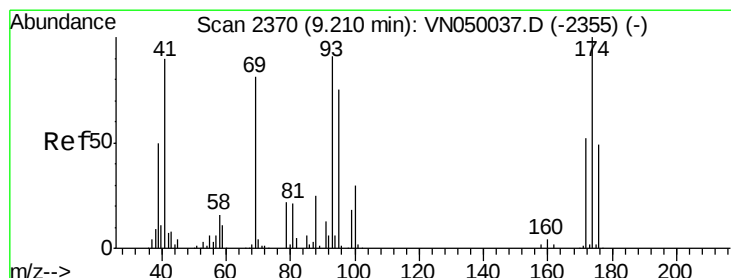
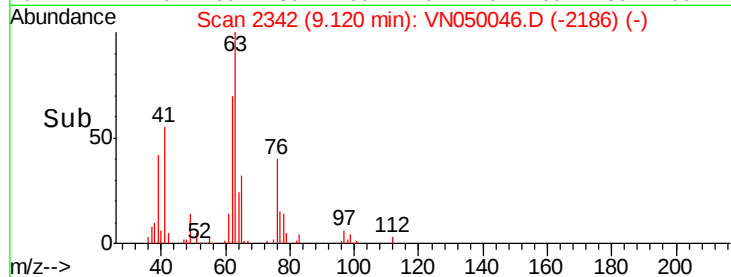
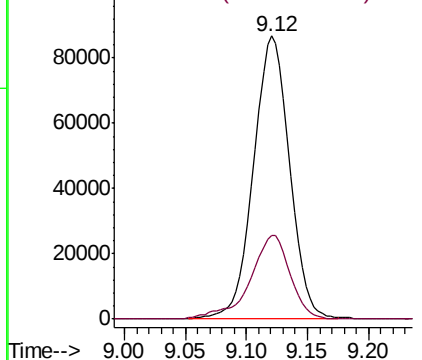
MMDadoda

7/26/2018 3:54:30 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.12 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

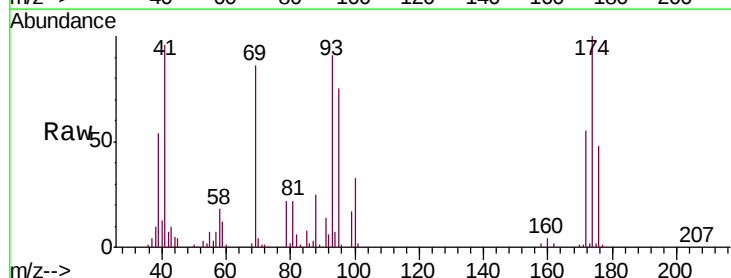
Tgt Ion: 93 Resp: 107738

Ion Ratio Lower Upper

93 100

95 83.3 0.0 165.6

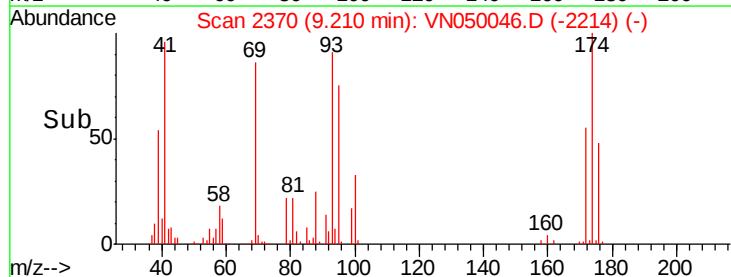
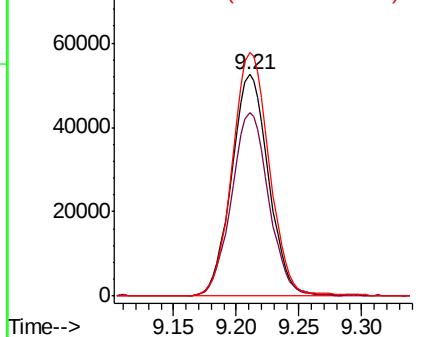
174 109.7 0.0 223.2

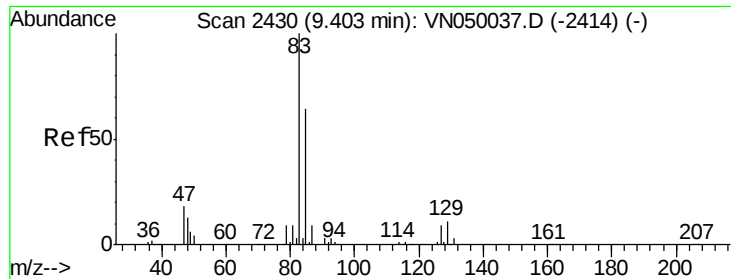


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





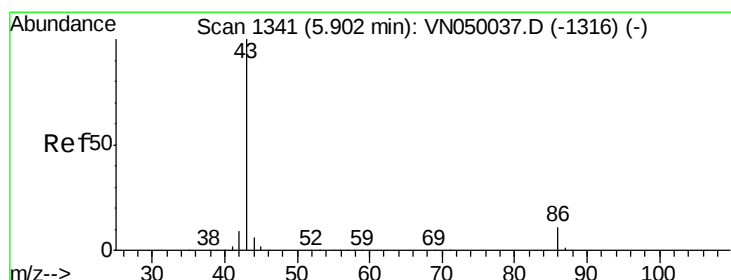
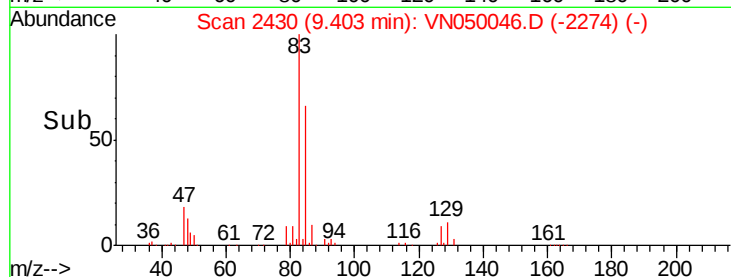
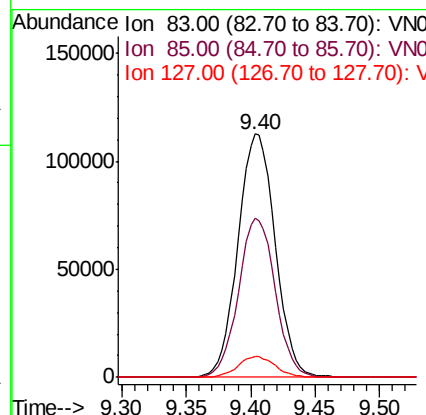
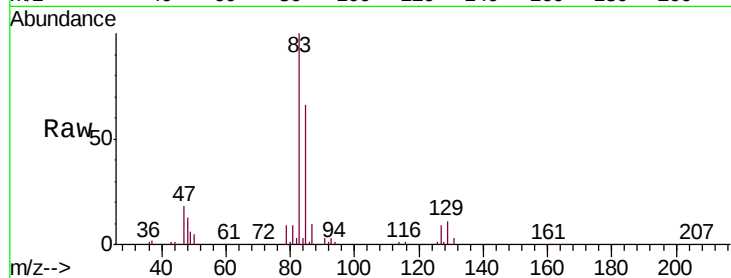
#41
Bromodichloromethane
Concen: 19.05 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	83	Resp	226435
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.6	78.8
127	8.7	7.0	10.4

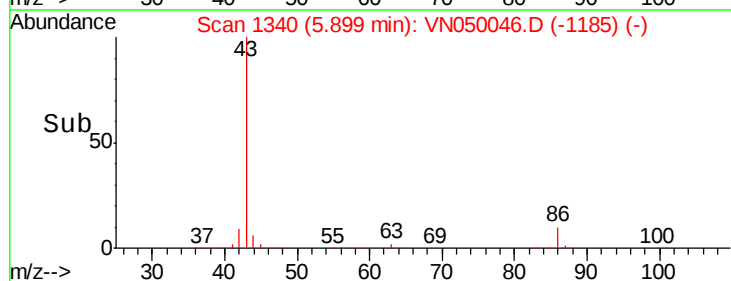
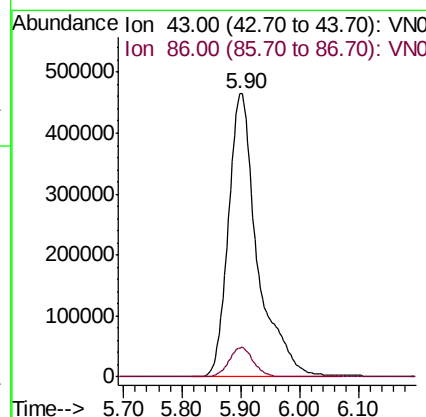
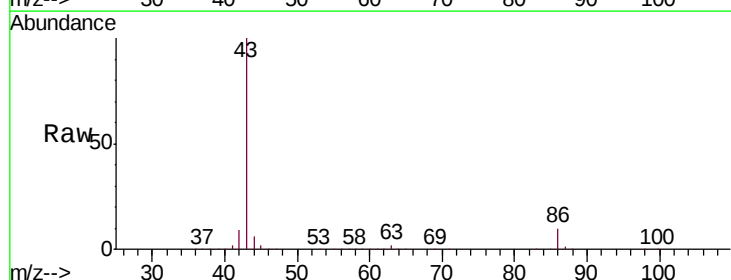
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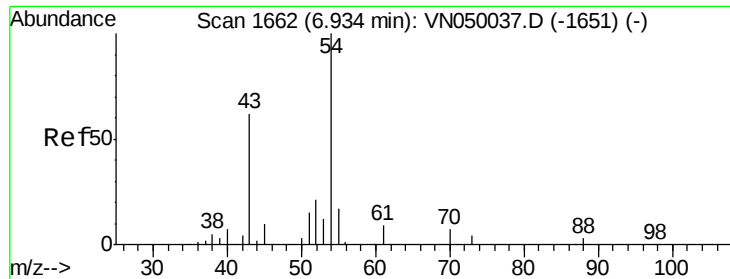
MMDadoda
7/26/2018 3:54:30 PM



#42
Vinyl Acetate
Concen: 95.22 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	43	Resp	1602271
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.3	10.9





#43

Ethyl Acetate

Concen: 20.22 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 43 Resp: 150979

Ion Ratio Lower Upper

43 100

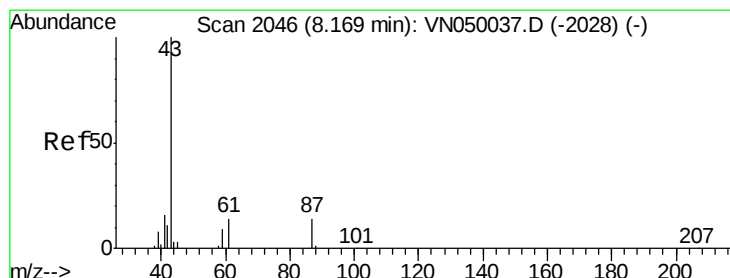
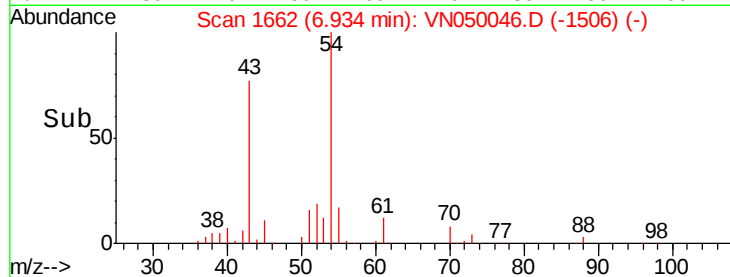
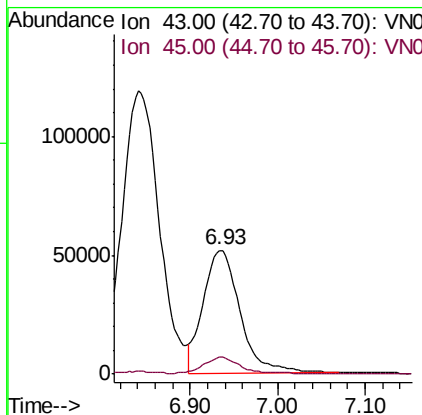
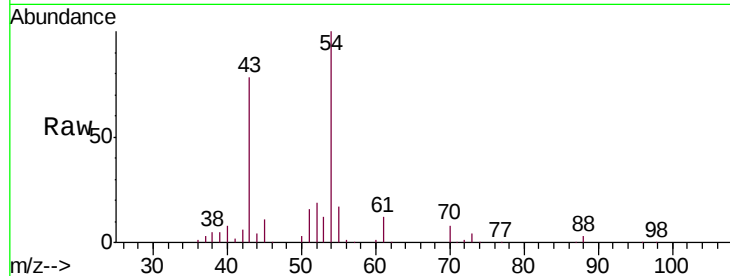
45 12.3 13.0 19.6#

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#44

Isopropyl Acetate

Concen: 19.80 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050046.D

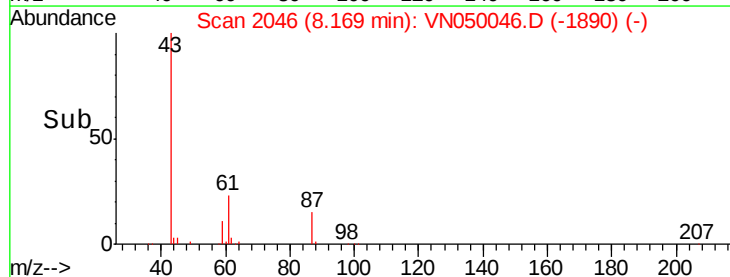
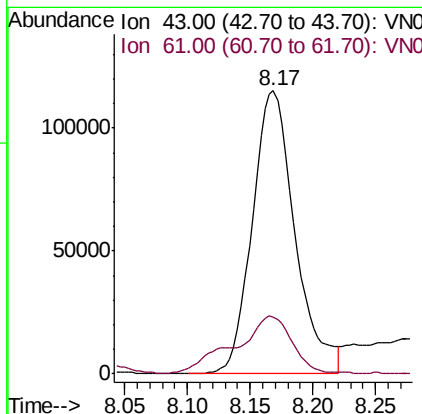
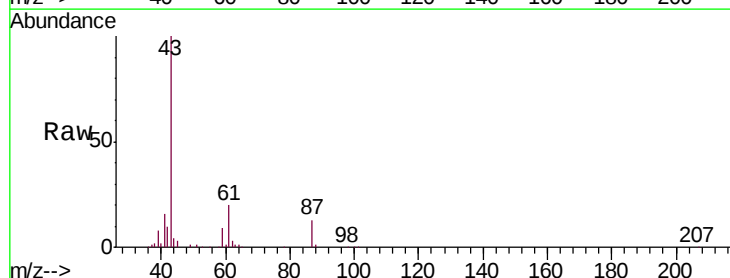
Acq: 25 Jul 2018 15:21

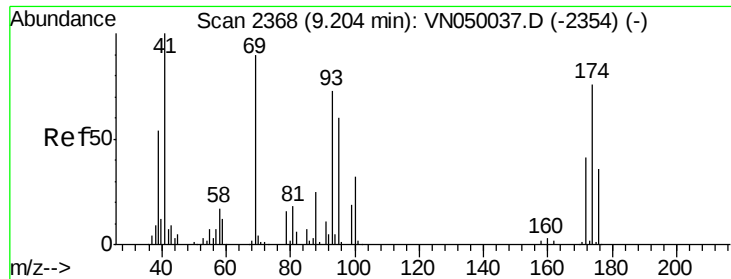
Tgt Ion: 43 Resp: 273854

Ion Ratio Lower Upper

43 100

61 18.8 16.4 24.6





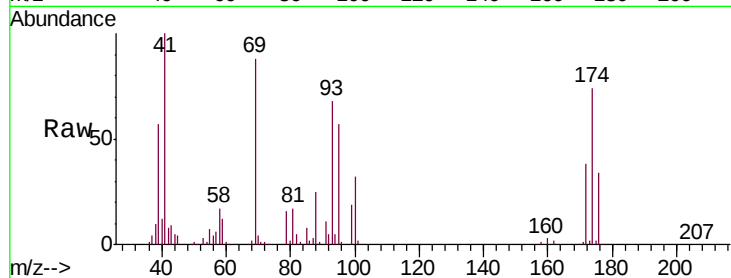
#45
 1,4-Dioxane
 Concen: 372.97 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

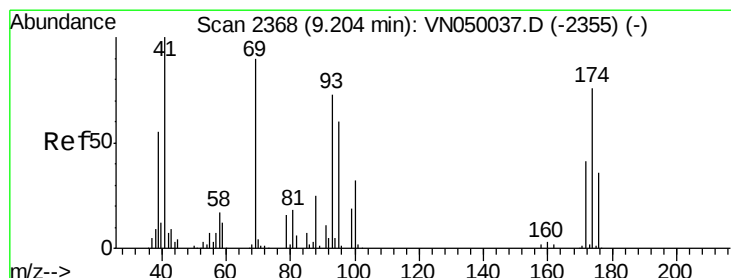
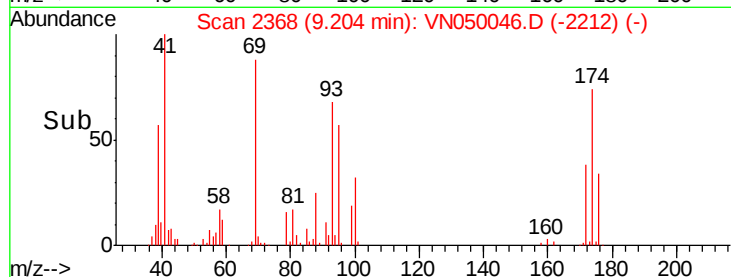
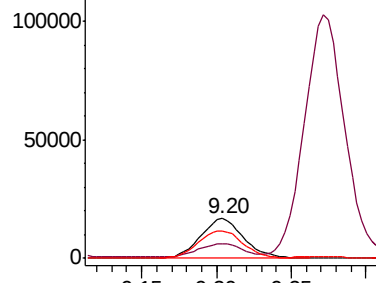
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.4	26.9	40.3	
58	71.4	53.6	80.4	

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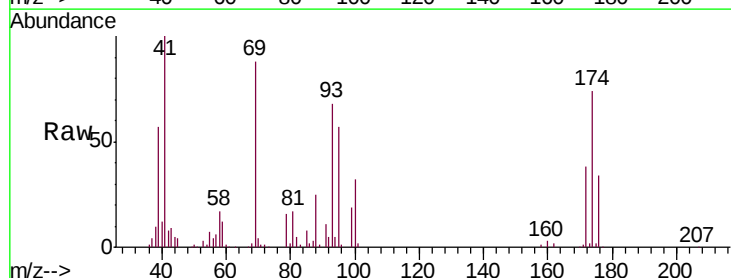


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

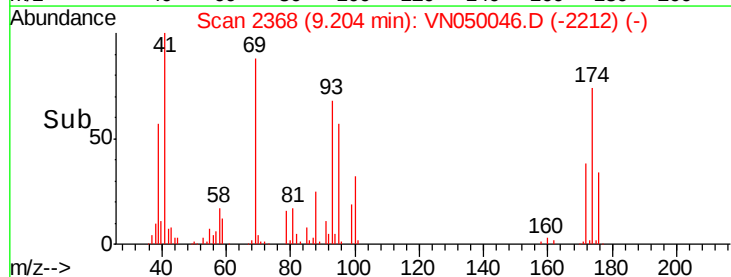
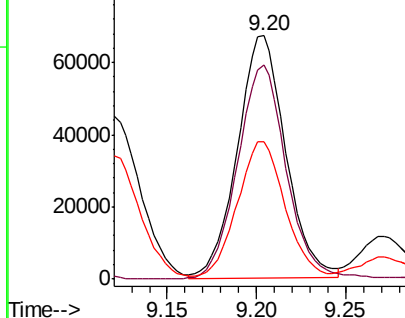


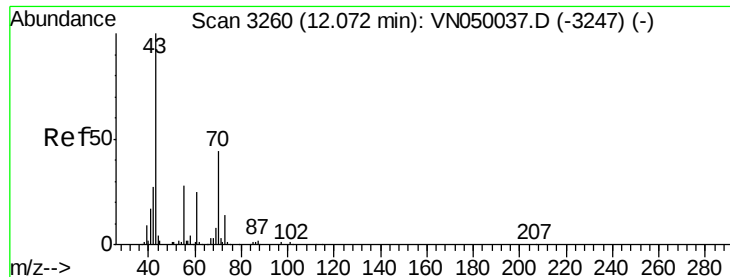
#46
 Methyl methacrylate
 Concen: 19.02 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.1	44.0	132.1	
39	56.2	27.0	80.8	



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





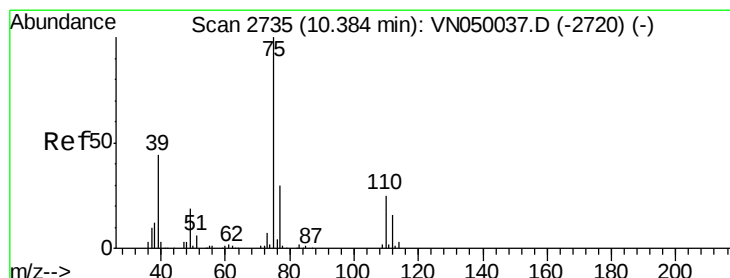
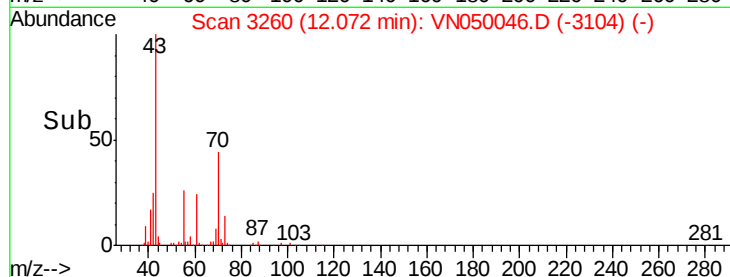
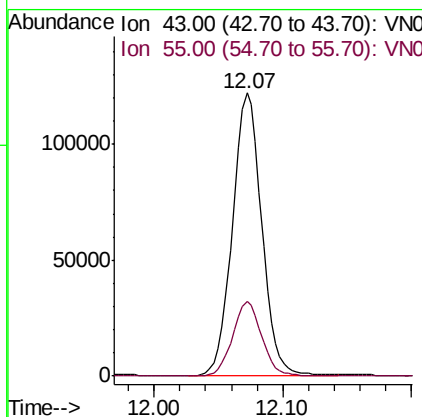
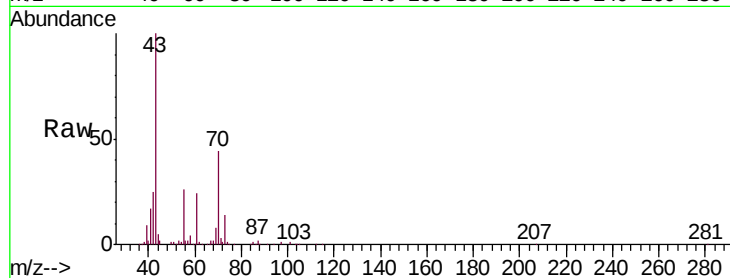
#47
n-amvl Acetate
Concen: 17.81 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	43	Resp	191732
Ion Ratio	Lower	Upper	
43	100		
55	26.2	21.0	31.4

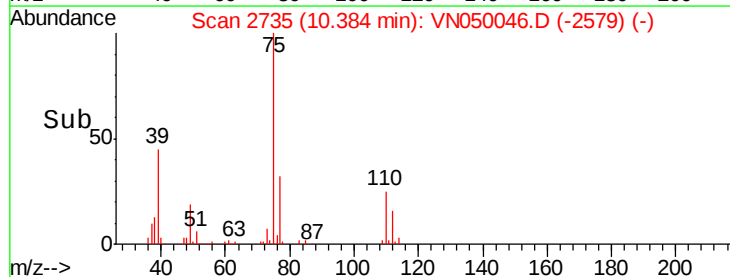
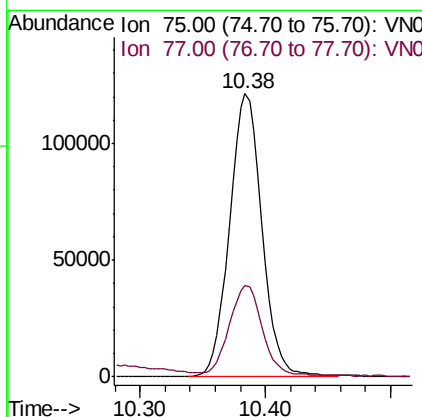
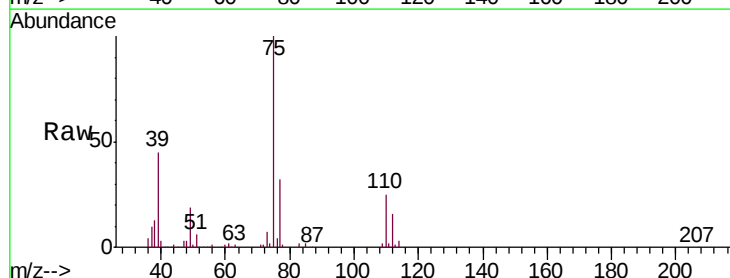
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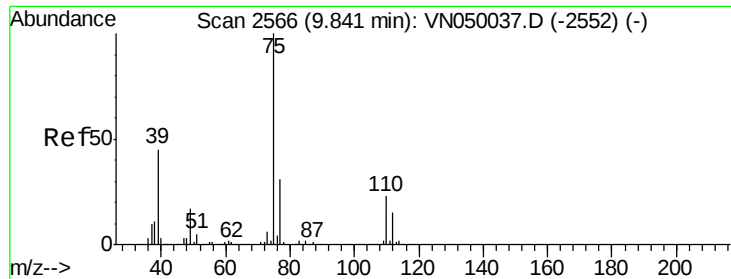
MMDadoda
7/26/2018 3:54:30 PM



#48
t-1,3-Dichloropropene
Concen: 19.21 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	75	Resp	217676
Ion Ratio	Lower	Upper	
75	100		
77	31.8	24.6	37.0





#49

cis-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

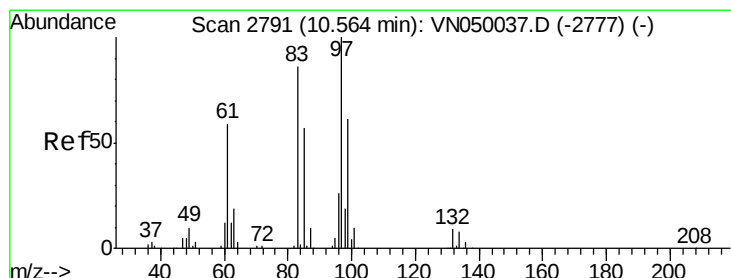
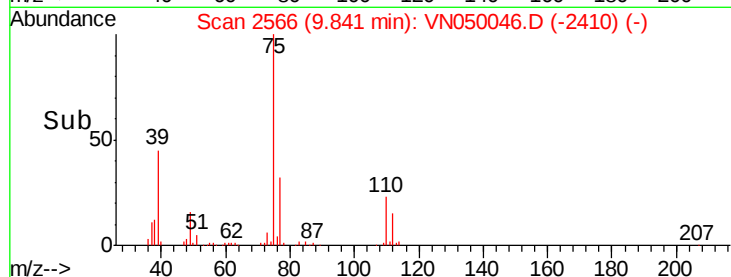
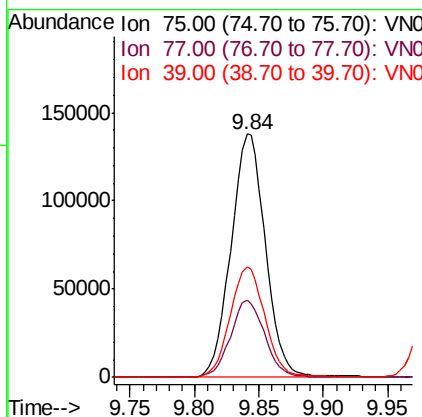
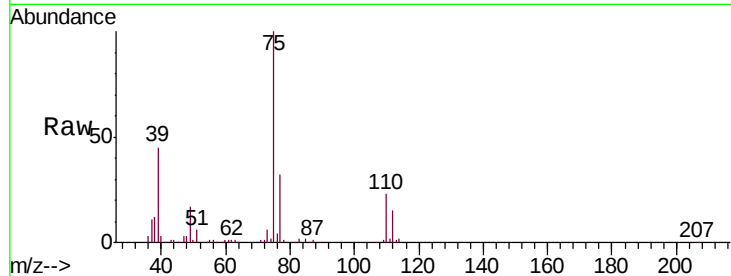
ClientSampleId :

VN0725WBSD01

Tot Ion:	75	Resp:	25593
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.7	38.5
39	45.1	36.3	54.5

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#50

1,1,2-Trichloroethane

Concen: 18.78 ug/l

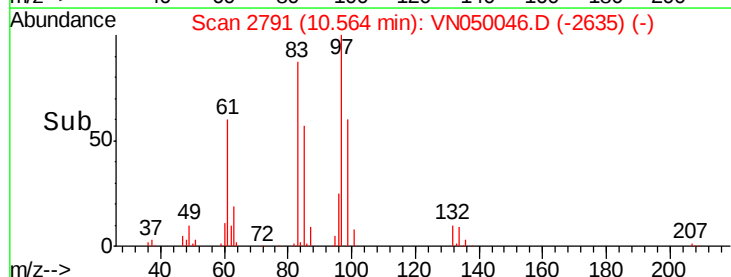
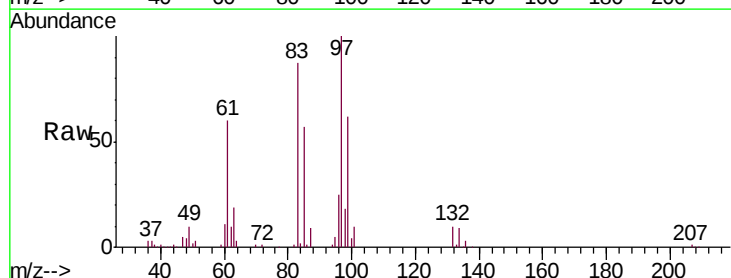
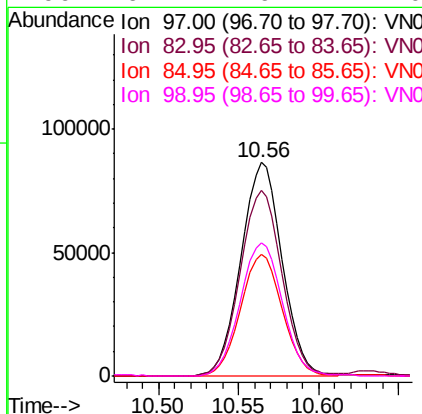
RT: 10.56 min Scan# 2791

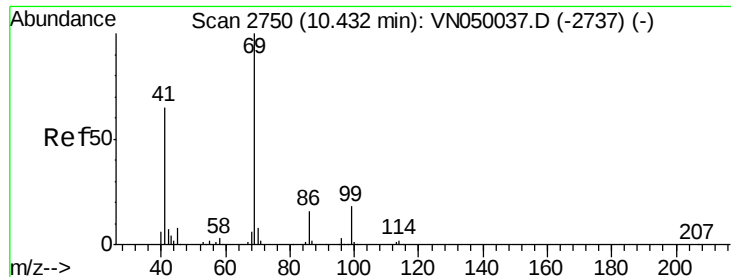
Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	97	Resp:	151919
Ion Ratio	Lower	Upper	
97	100		
83	86.8	68.1	102.1
85	57.1	45.4	68.2
99	62.1	49.4	74.0





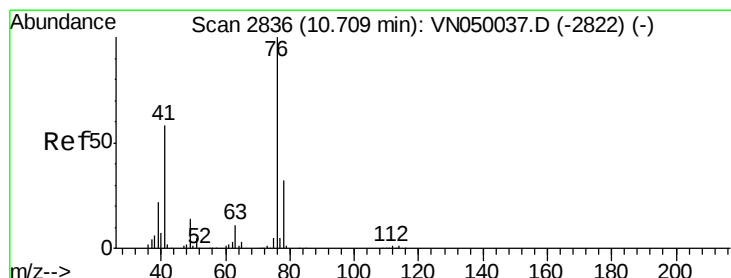
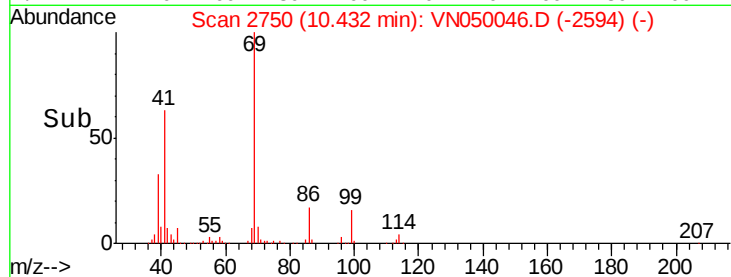
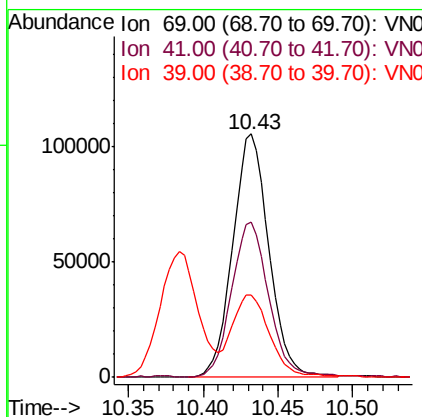
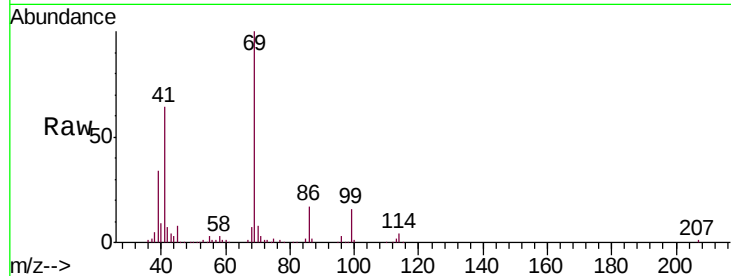
#51
Ethyl methacrylate
Concen: 18.16 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampled :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	63.3	31.9	95.9
39	33.1	16.7	50.1

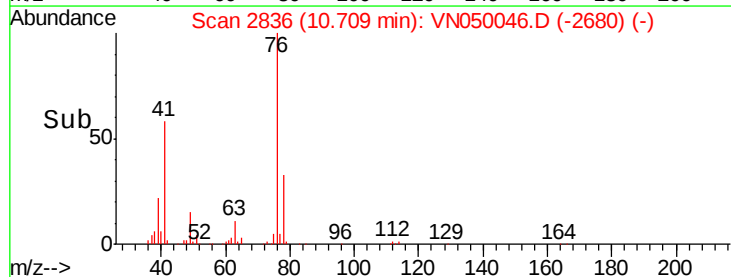
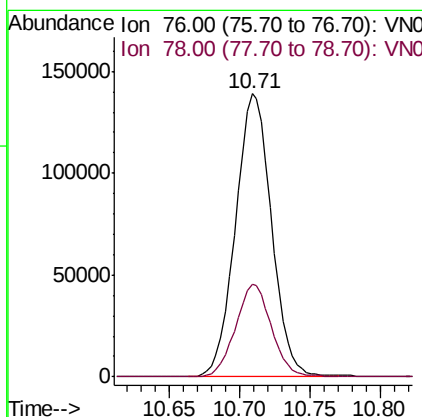
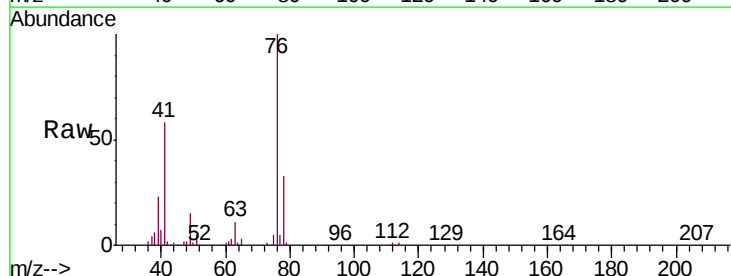
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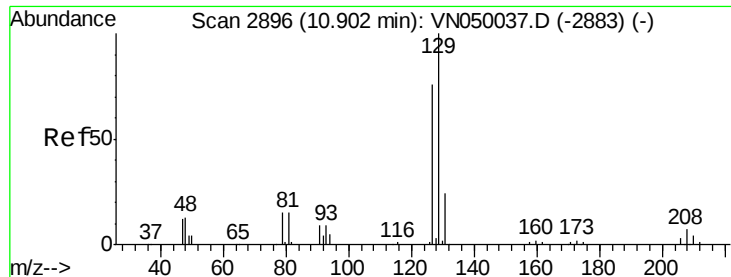
MMDadoda
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#52
1,3-Dichloropropane
Concen: 18.77 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	65.6





#53

Dibromochloromethane

Concen: 18.91 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion:129 Resp: 173546

Ion Ratio Lower Upper

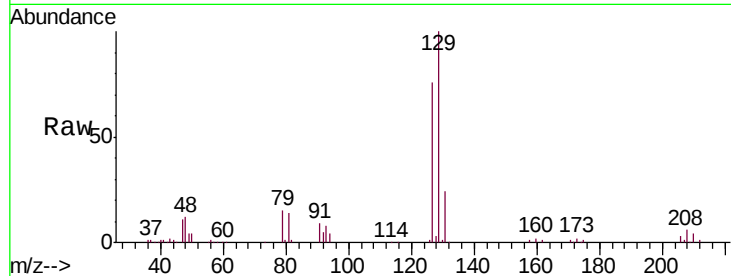
129 100

127 75.7 38.1 114.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

80000

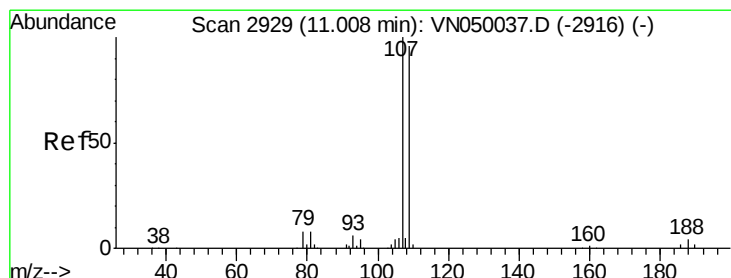
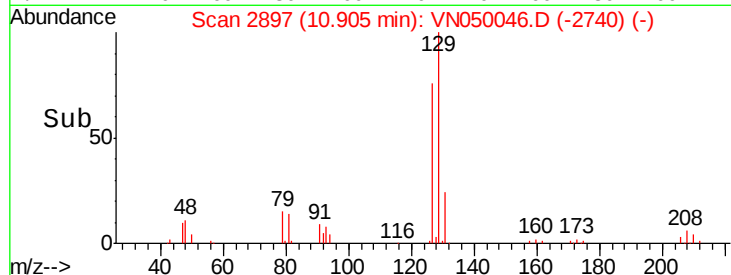
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.16 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050046.D

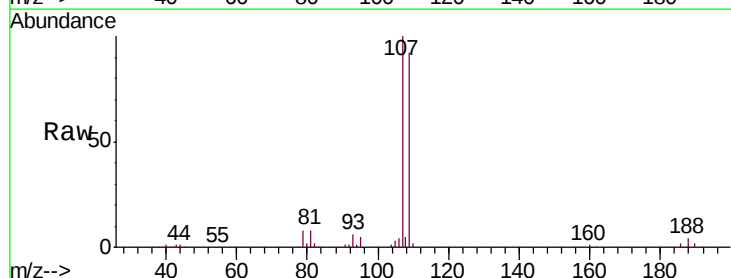
Acq: 25 Jul 2018 15:21

Tgt Ion:107 Resp: 151749

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

80000

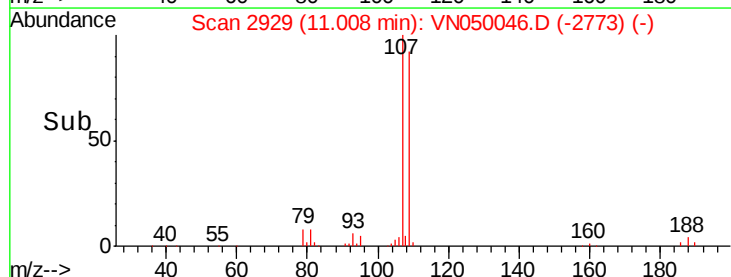
60000

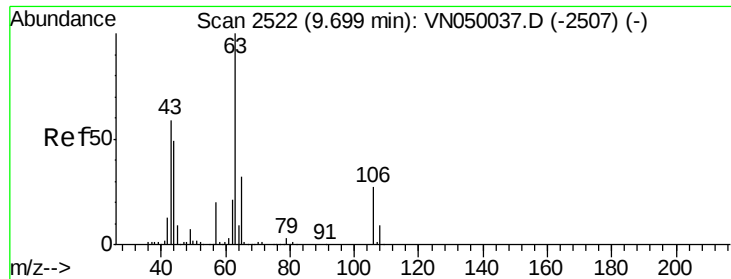
40000

20000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 94.15 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

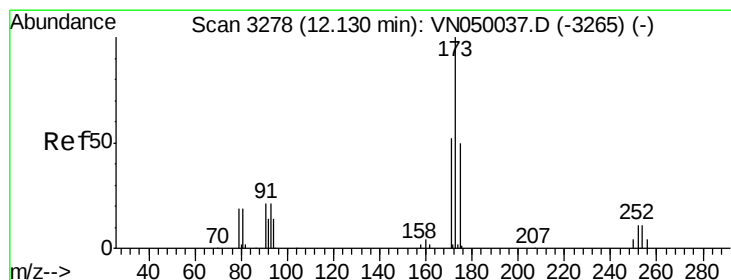
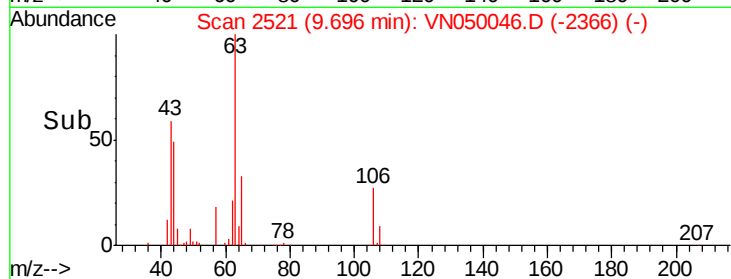
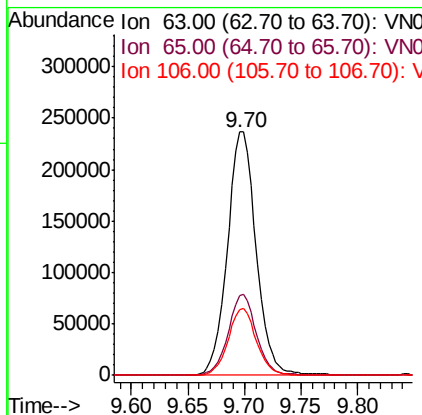
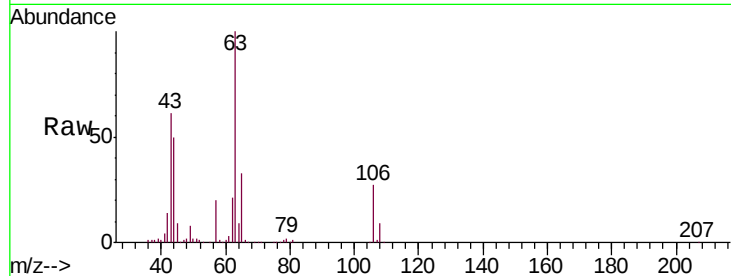
ClientSampleId :

VN0725WBSD01

Tot Ion:	63	Resp:	418330
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3
106	27.0	21.8	32.6

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#56

Bromoform

Concen: 17.80 ug/l

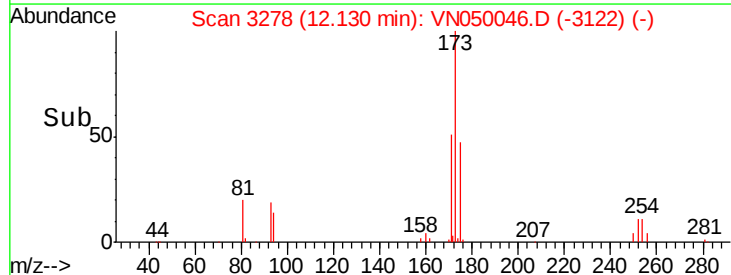
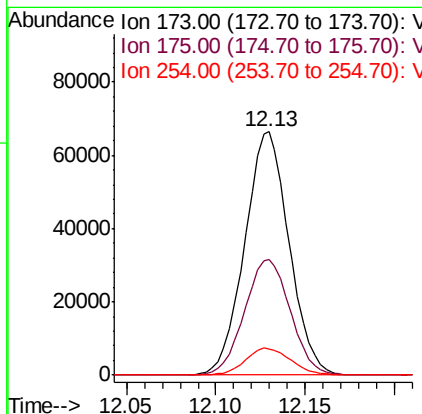
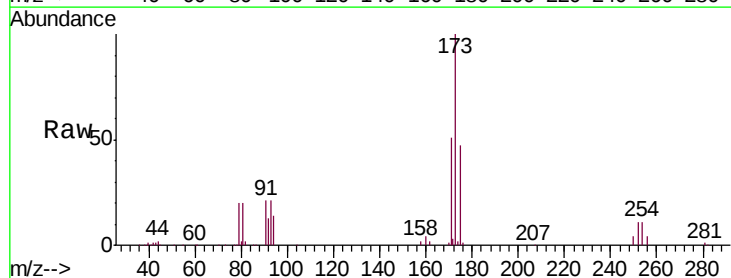
RT: 12.13 min Scan# 3278

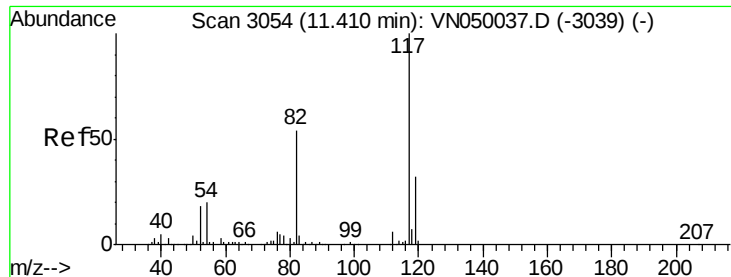
Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	173	Resp:	115370
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
254	11.3	8.8	13.2





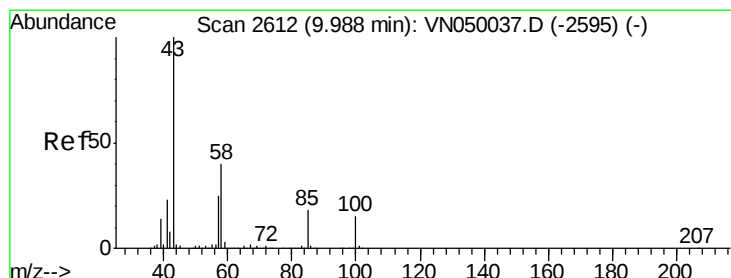
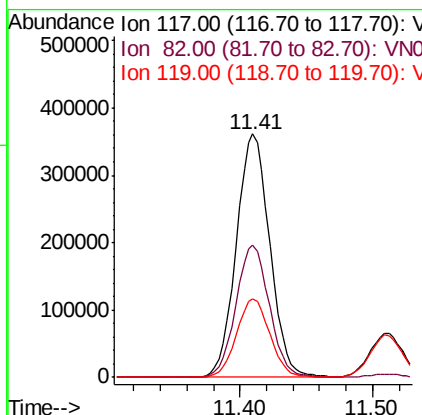
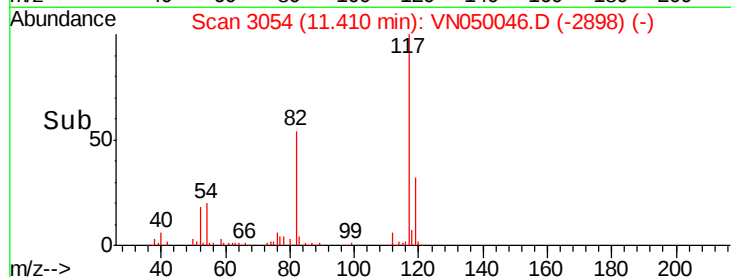
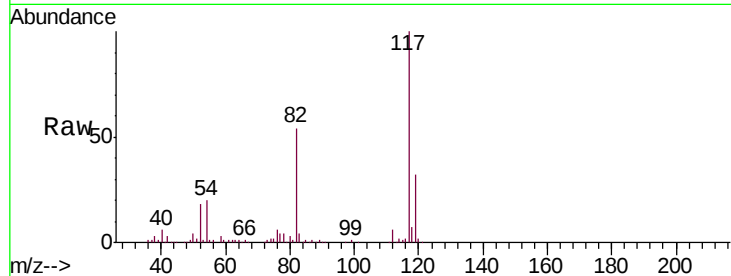
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	32.0	25.4	38.0

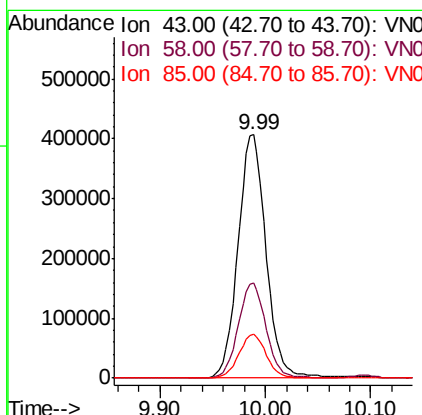
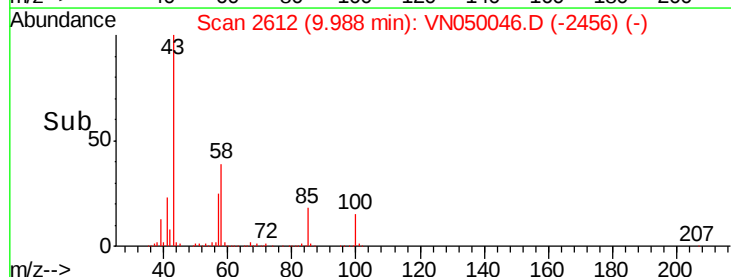
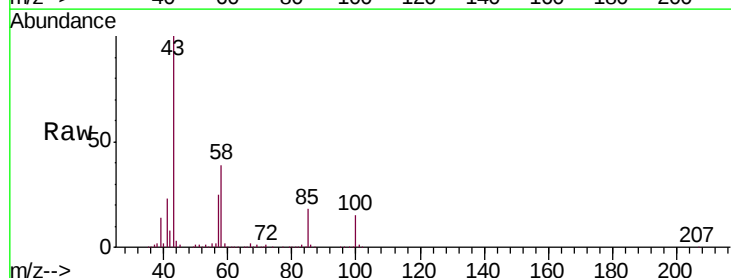
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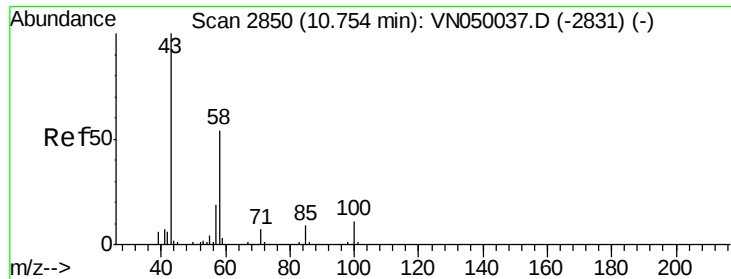
MMDadoda
7/26/2018 3:54:30 PM



#58
4-Methyl-2-Pentanone
Concen: 100.99 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.2	46.8
85	17.8	14.4	21.6





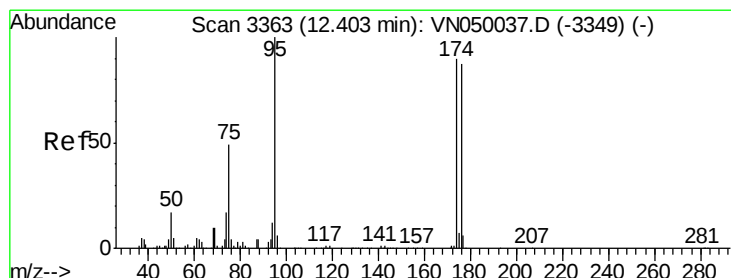
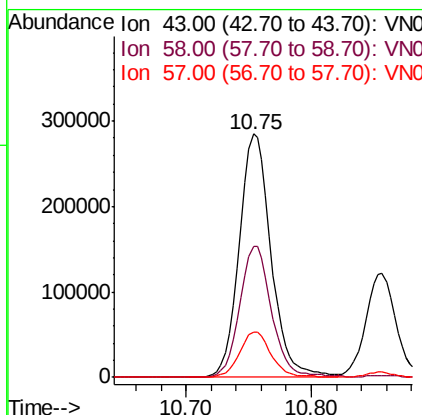
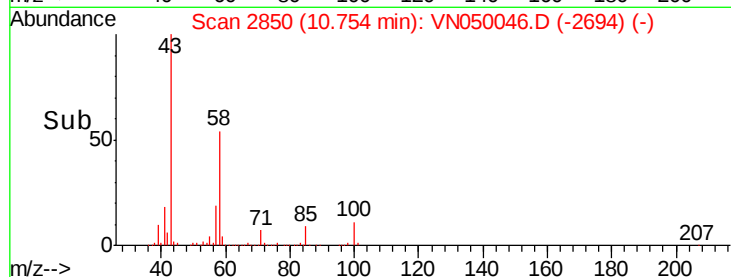
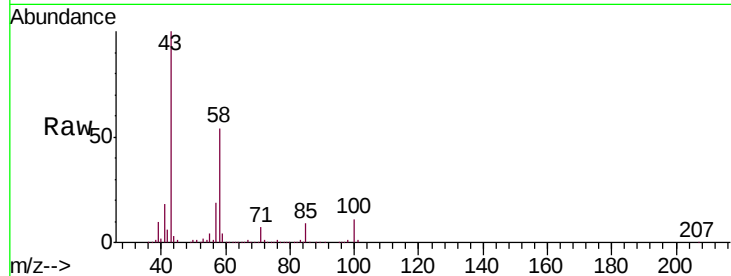
#59
2-Hexanone
Concen: 99.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.8	65.8
57	18.7	15.1	22.7

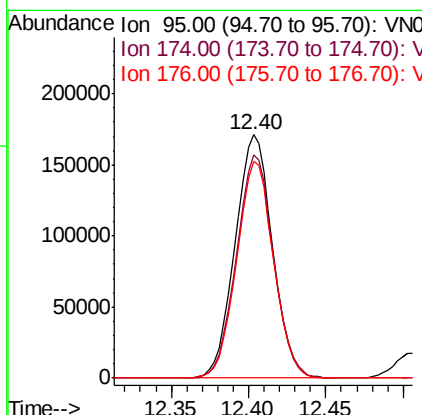
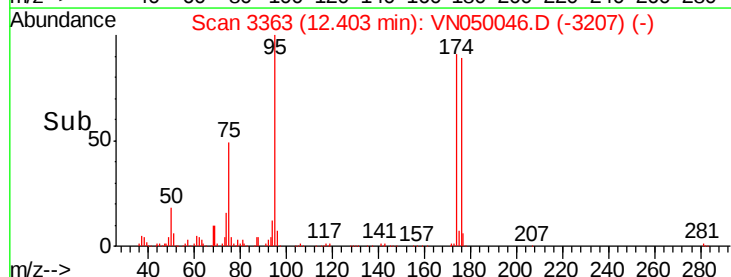
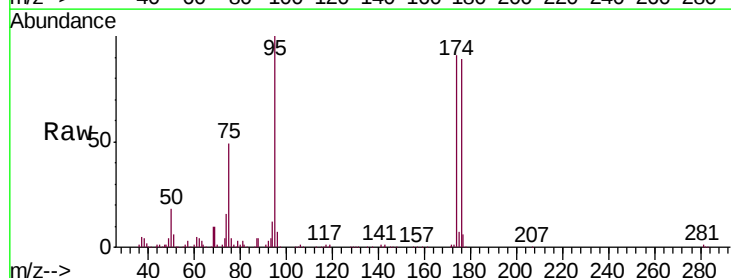
Manual Integrations
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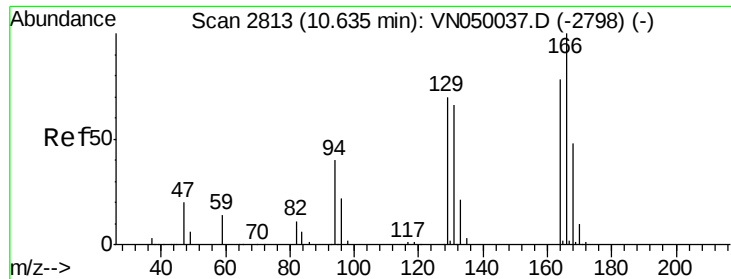
MMDadoda
7/26/2018 3:54:30 PM



#60
4-Bromofluorobenzene
Concen: 29.35 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	88.2	70.0	105.0





#61

Tetrachloroethene

Concen: 19.51 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion:164 Resp: 167683

Ion Ratio Lower Upper

164 100

166 127.5 100.0 150.0

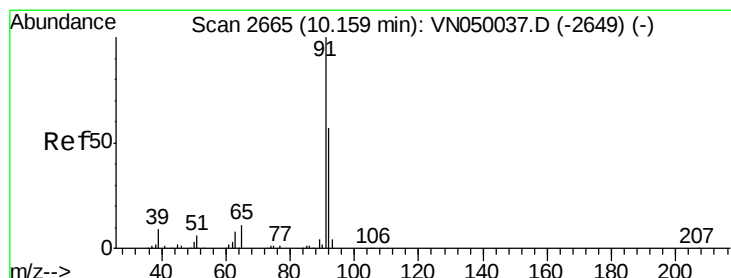
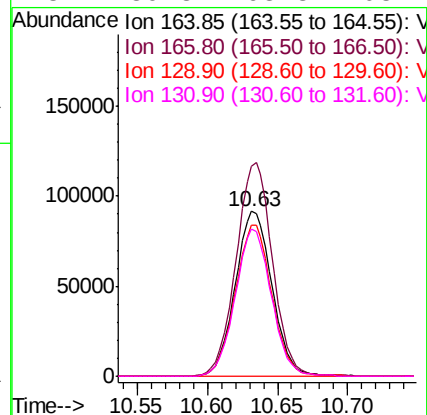
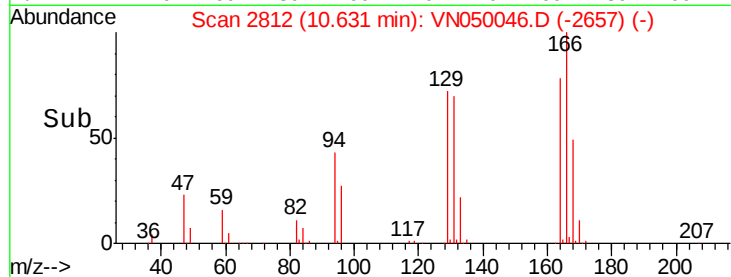
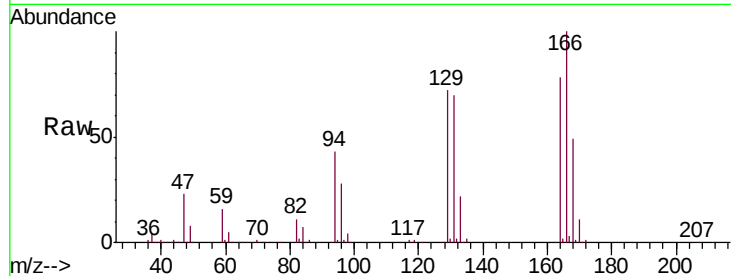
129 91.3 69.3 103.9

131 89.3 68.8 103.2

Manual Integrations
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#62

Toluene

Concen: 19.76 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050046.D

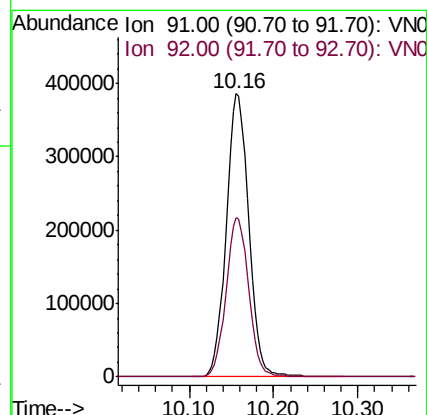
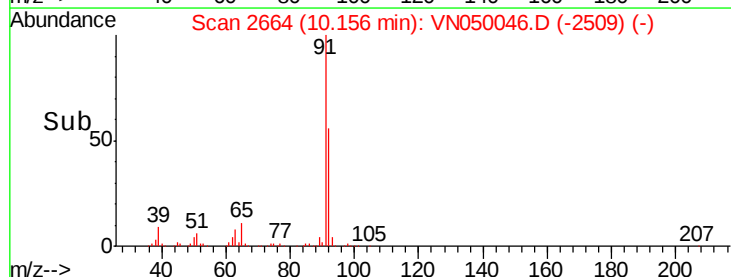
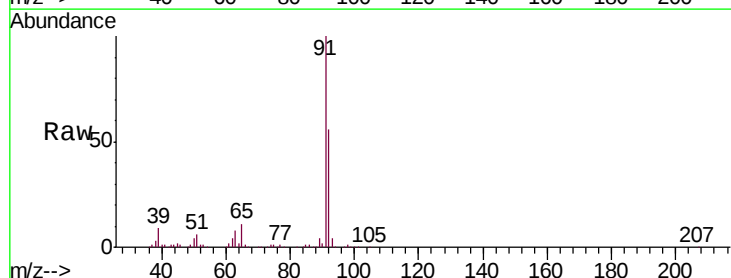
Acq: 25 Jul 2018 15:21

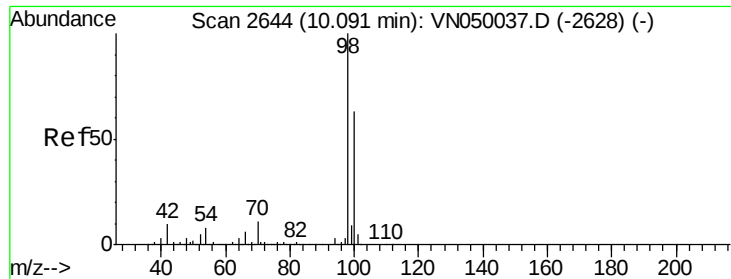
Tgt Ion: 91 Resp: 715388

Ion Ratio Lower Upper

91 100

92 56.6 45.7 68.5





#63

Toluene-d8

Concen: 30.36 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 98 Resp: 920390

Ion Ratio Lower Upper

98 100

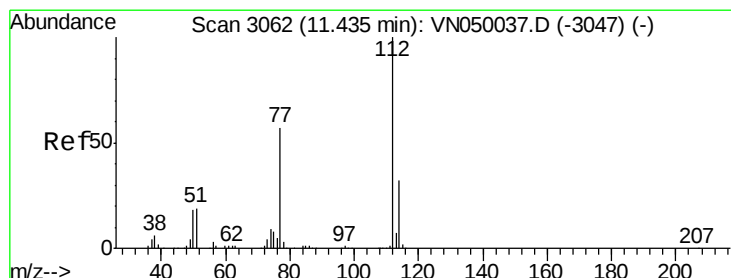
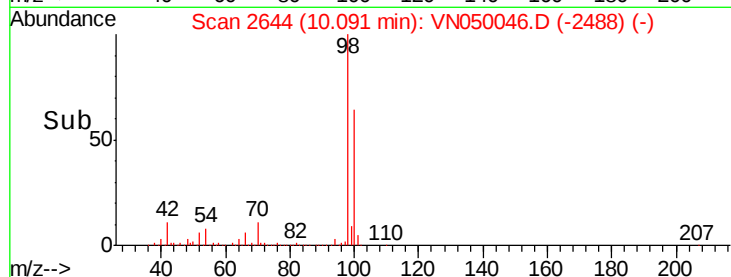
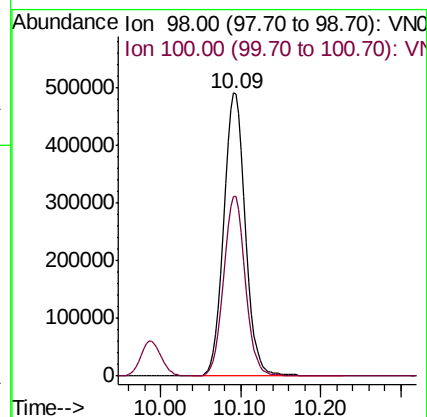
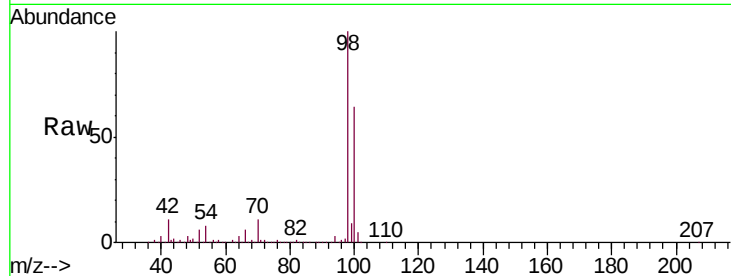
100 63.9 51.2 76.8

Manual Integrations

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#64

Chlorobenzene

Concen: 19.71 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050046.D

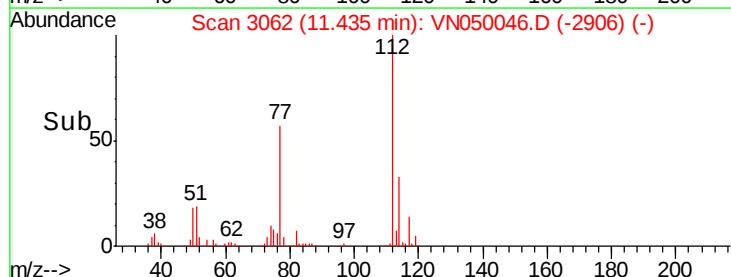
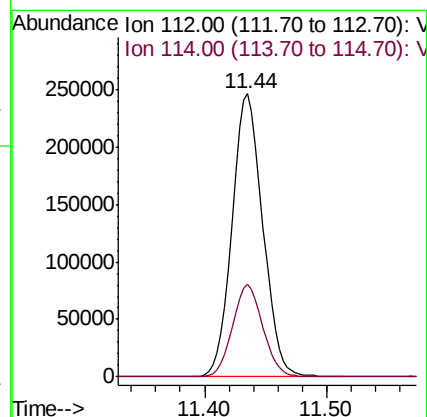
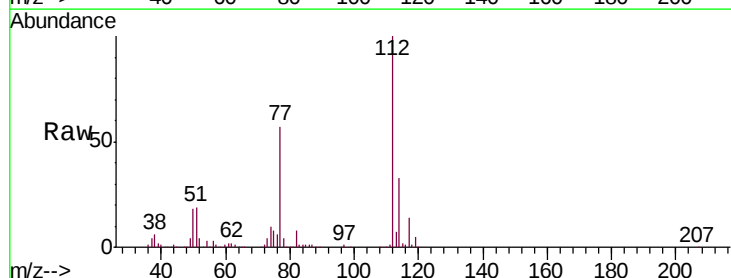
Acq: 25 Jul 2018 15:21

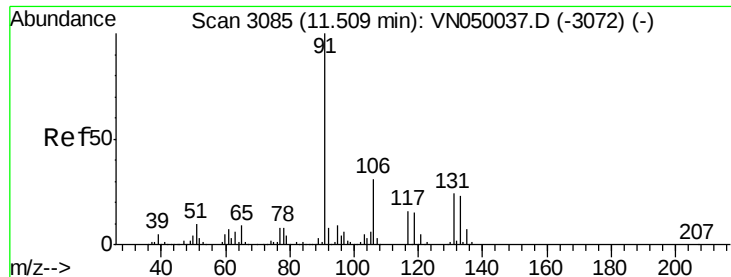
Tgt Ion: 112 Resp: 432778

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

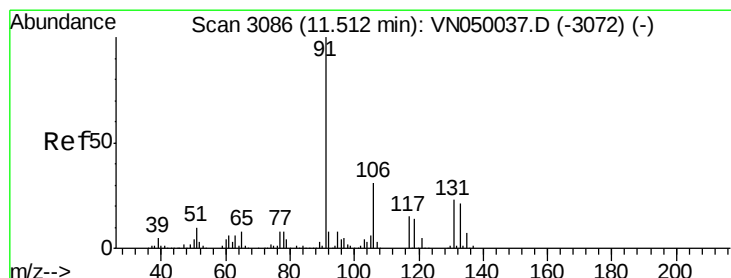
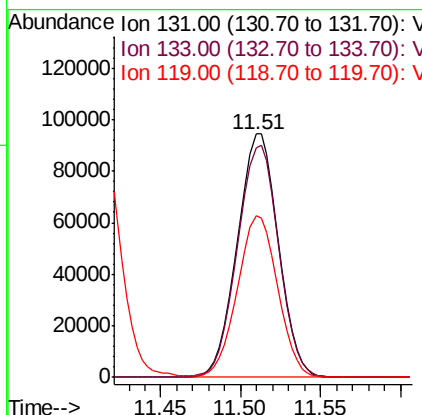
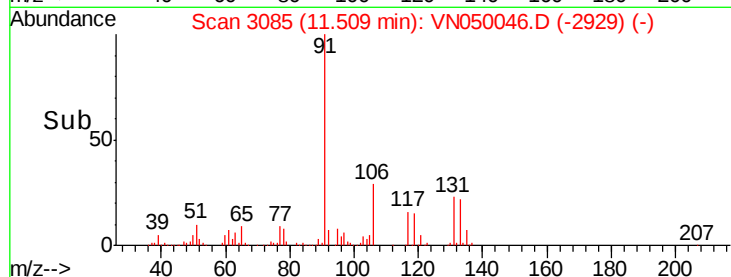
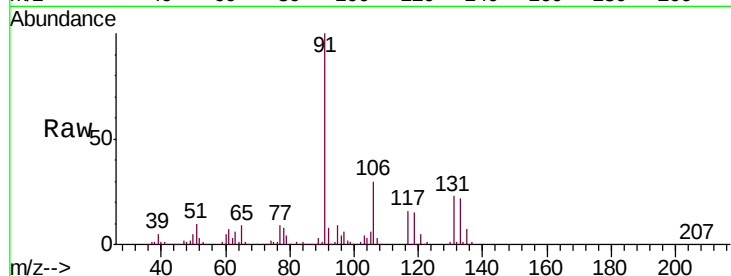
ClientSampleId :

VN0725WBSD01

Tot Ion:	131	Resp:	164905
Ion Ratio	Lower	Upper	
131	100		
133	96.4	0.0	190.0
119	65.3	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.46 ug/l

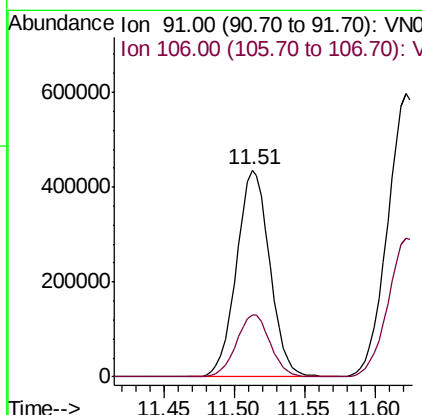
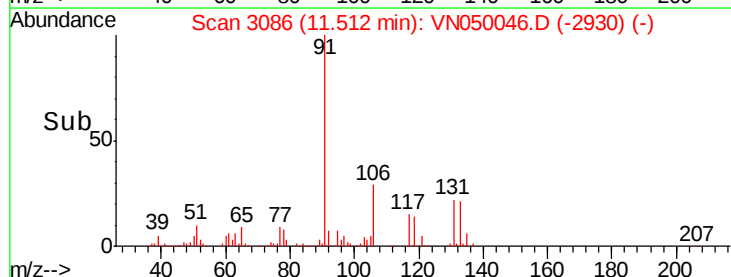
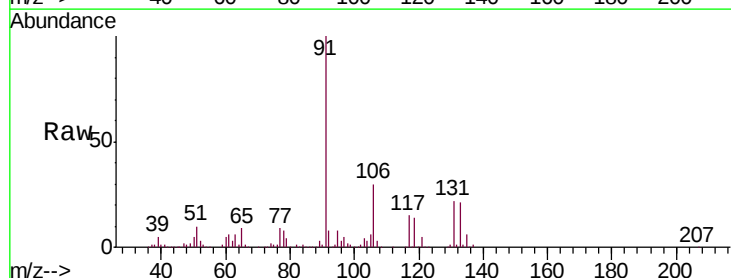
RT: 11.51 min Scan# 3086

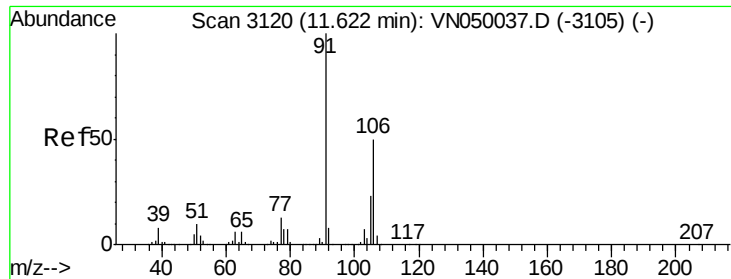
Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	91	Resp:	719976
Ion Ratio	Lower	Upper	
91	100		
106	30.2	25.1	37.7





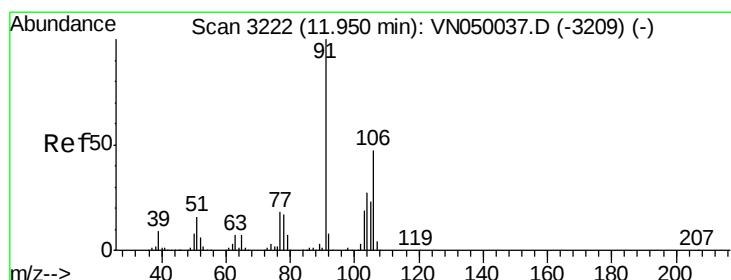
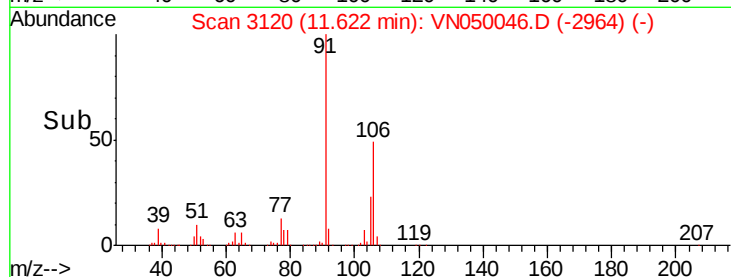
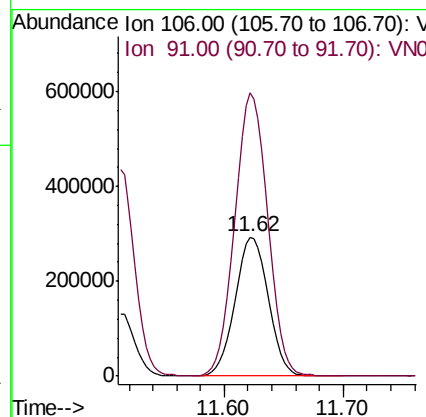
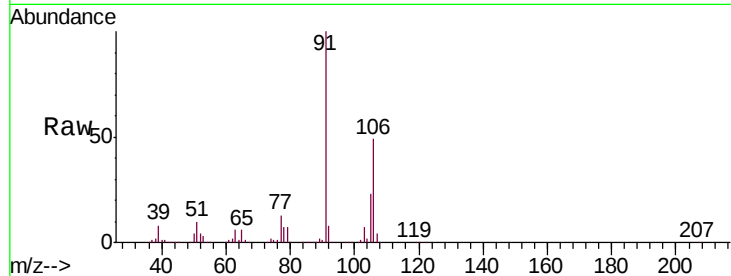
#67
m/p-Xvlenes
Concen: 39.82 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.3	162.5	243.7	

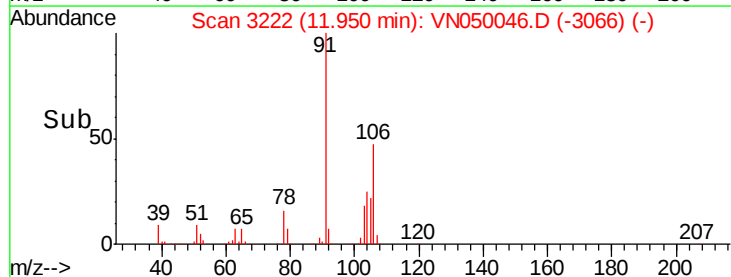
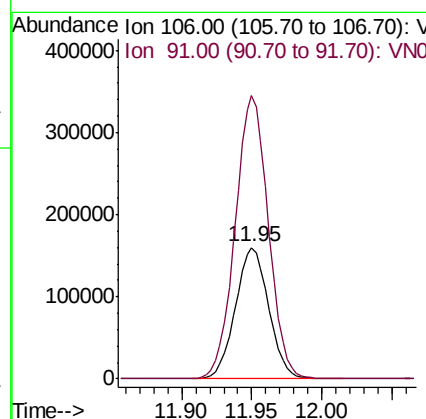
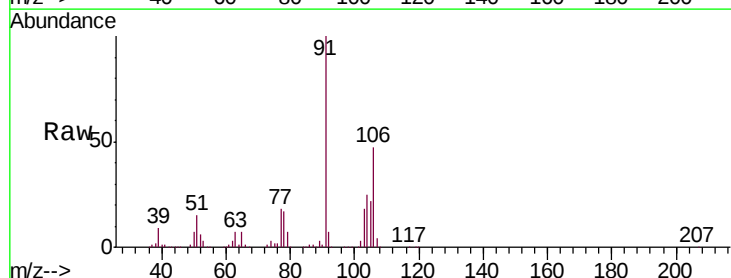
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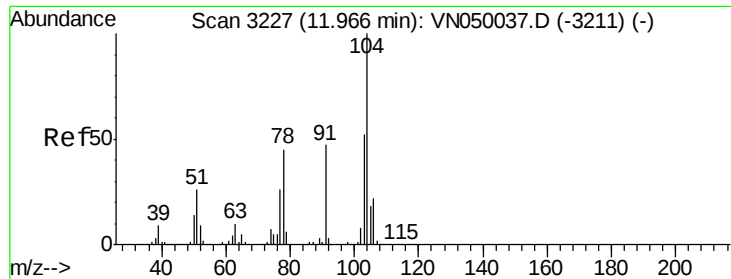
MMDadoda
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#68
o-Xylene
Concen: 19.48 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.3	106.8	320.4	





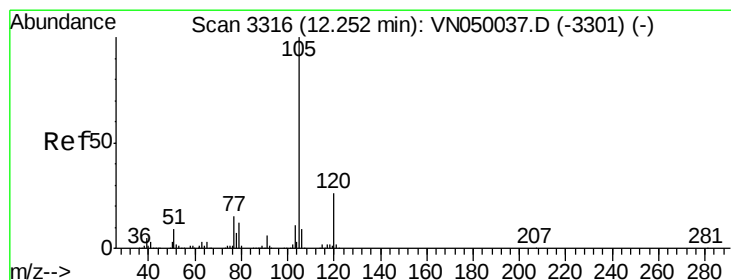
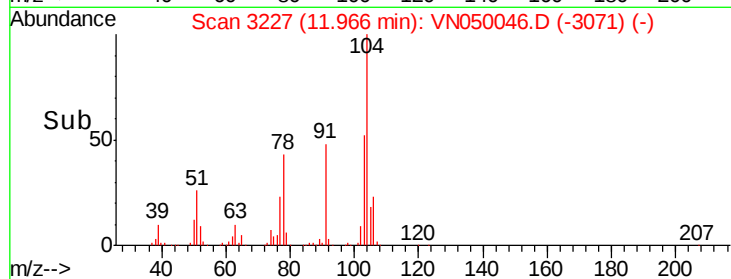
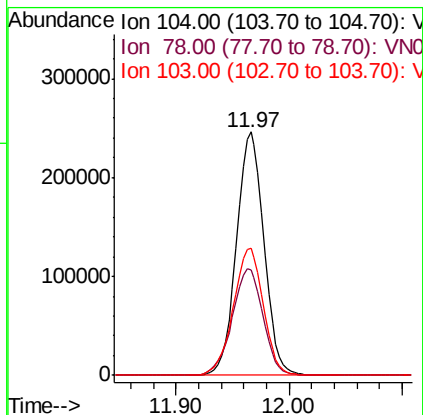
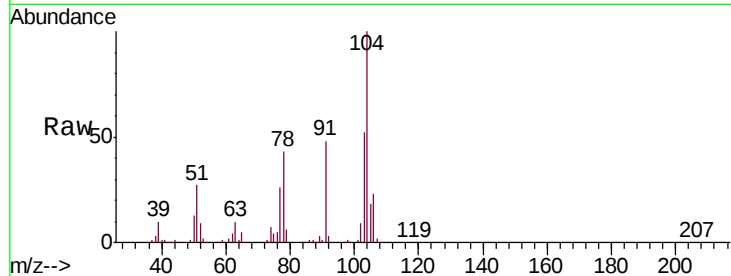
#69
Stvrene
Concen: 19.16 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	57.1	44.5	66.7

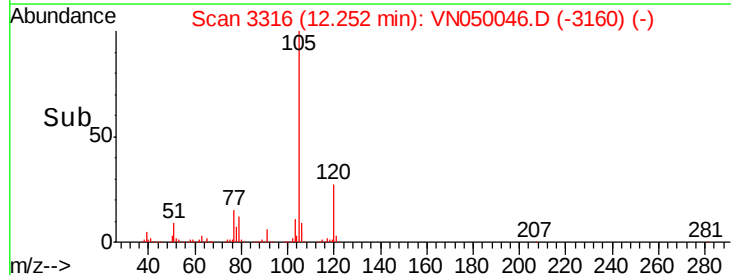
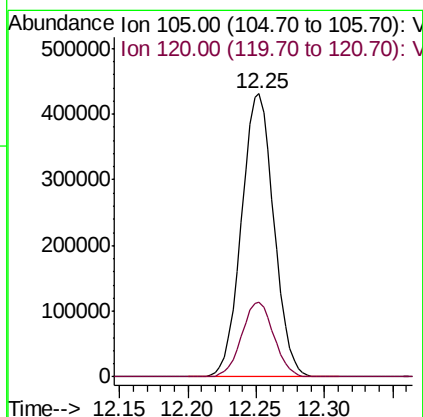
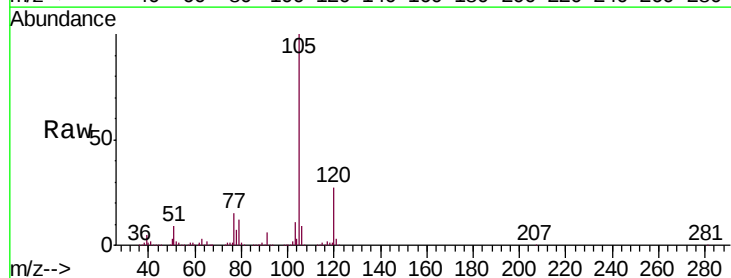
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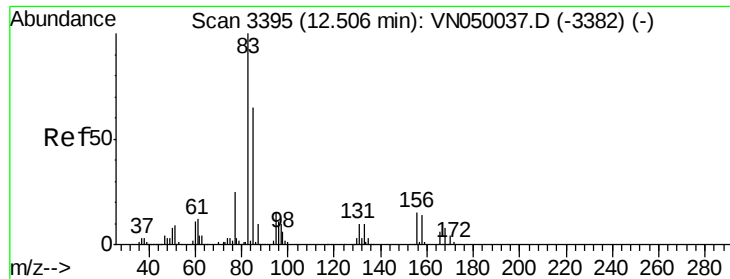
MMDadoda
7/26/2018 3:54:30 PM



#70
Isopropylbenzene
Concen: 19.67 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.9	35.1





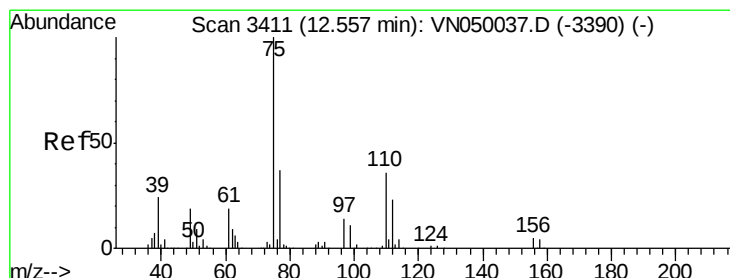
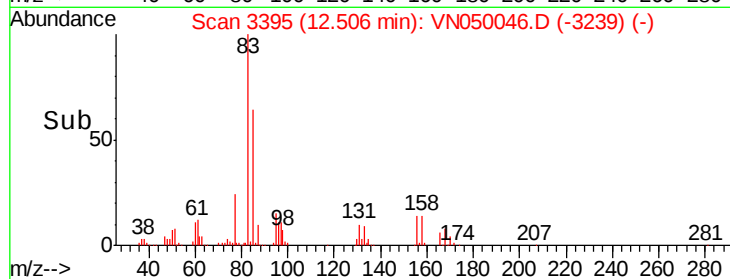
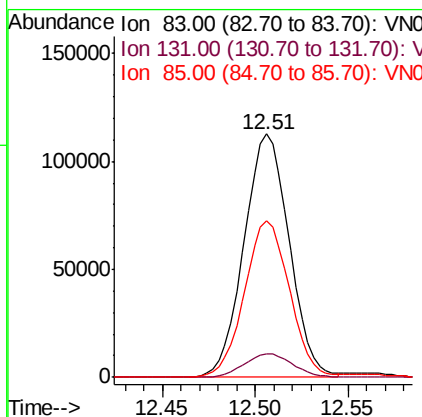
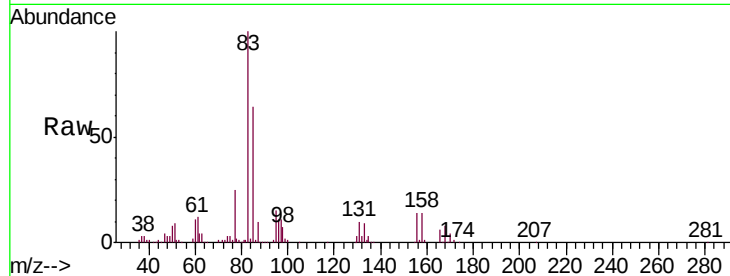
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.32 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion	83	Resp	191396
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.1	31.7	95.1

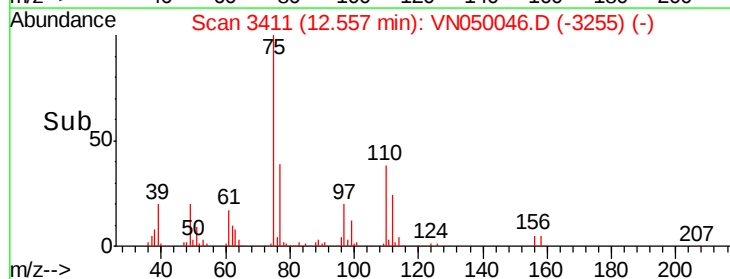
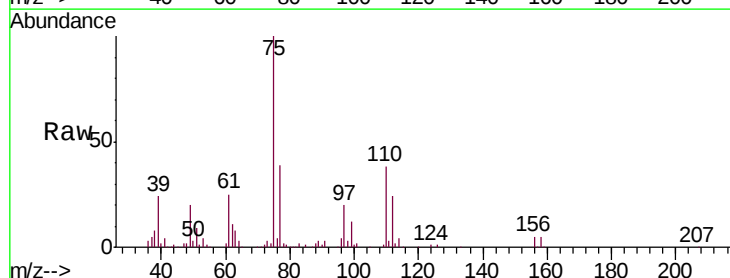
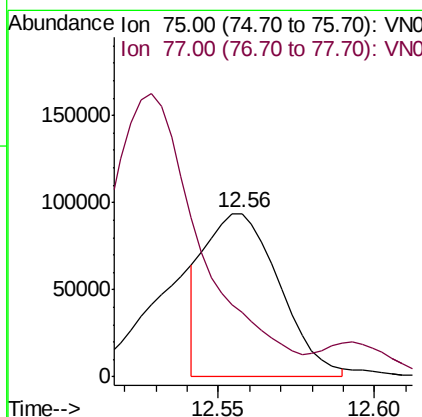
Manual Integrations
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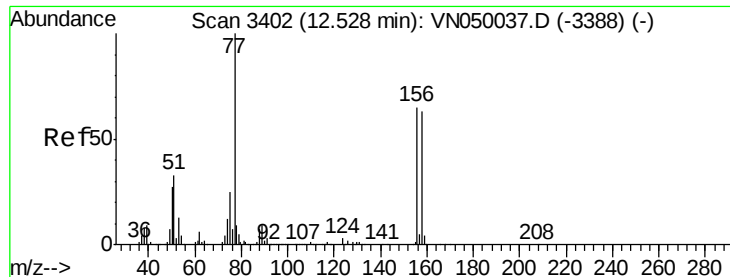
MMDadoda
 7/26/2018 3:54:30 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.31 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	75	Resp	154970
Ion Ratio	100	Lower	Upper
75	100		
77	218.0	0.0	454.4





#73

Bromobenzene

Concen: 18.95 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

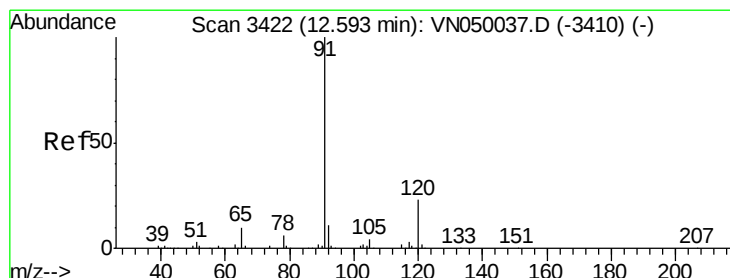
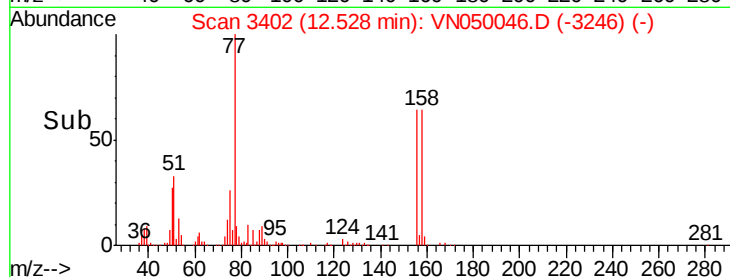
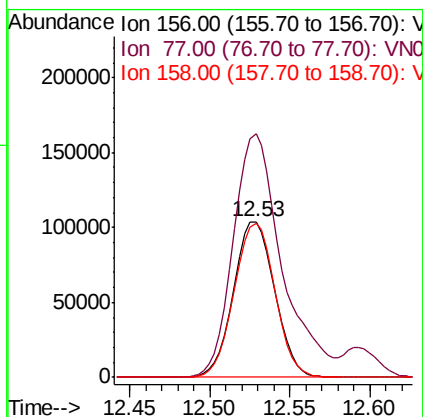
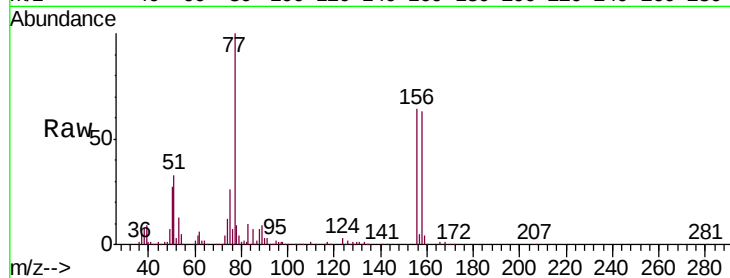
ClientSampleId :

VN0725WBSD01

Tot Ion:	156	Resp:	182144
Ion Ratio	Lower	Upper	
156	100		
77	185.5	0.0	359.8
158	98.2	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.52 ug/l

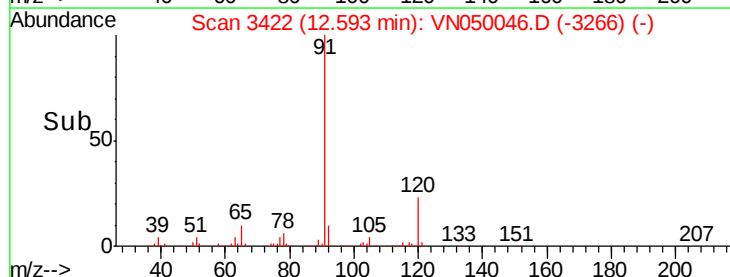
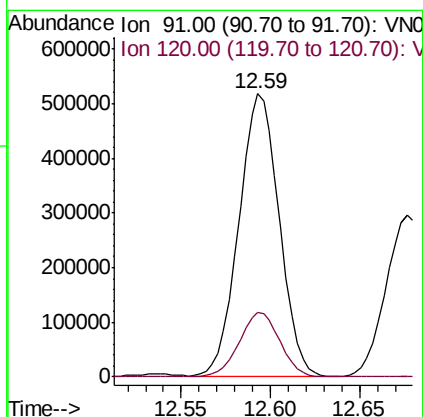
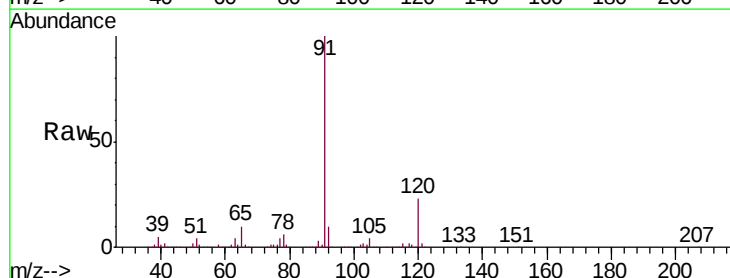
RT: 12.59 min Scan# 3422

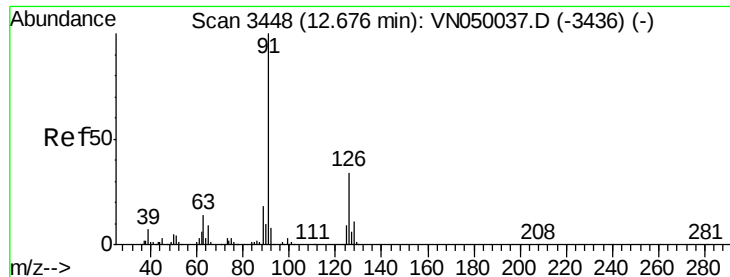
Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion:	91	Resp:	820470
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.55 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion: 91 Resp: 493400

Ion Ratio Lower Upper

91 100

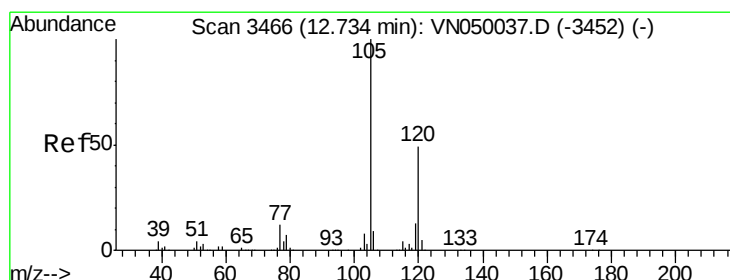
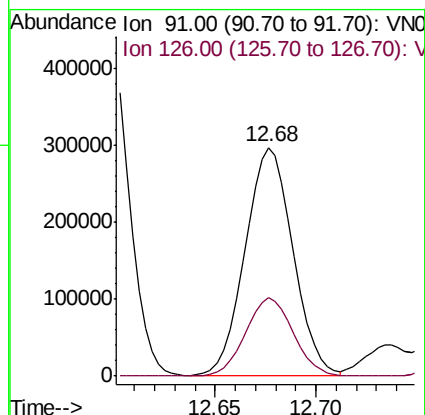
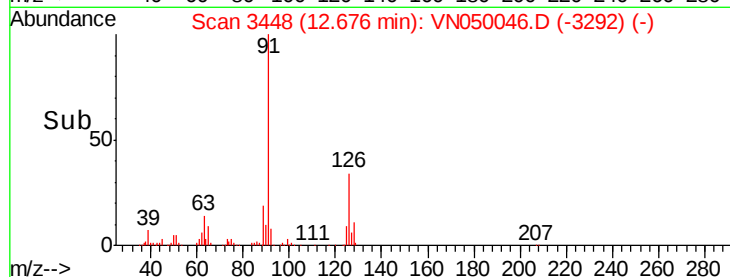
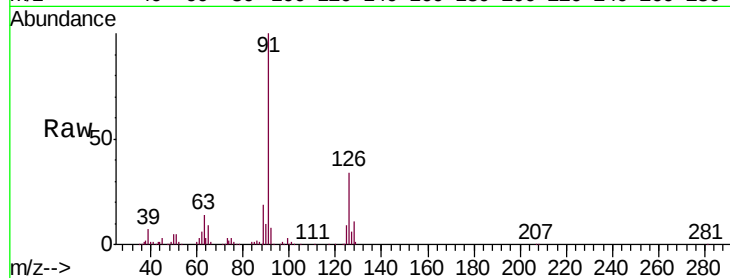
126 34.2 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050046.D

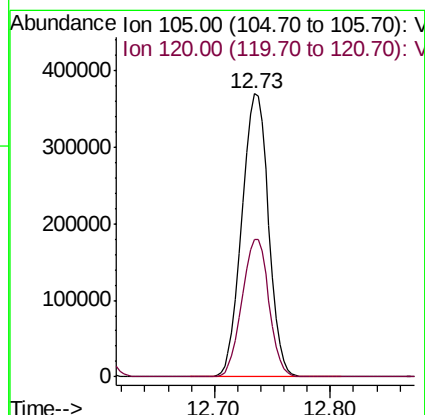
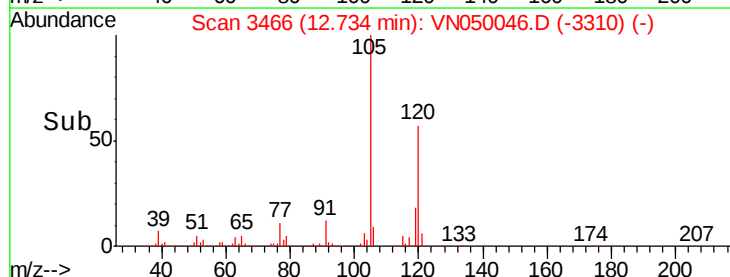
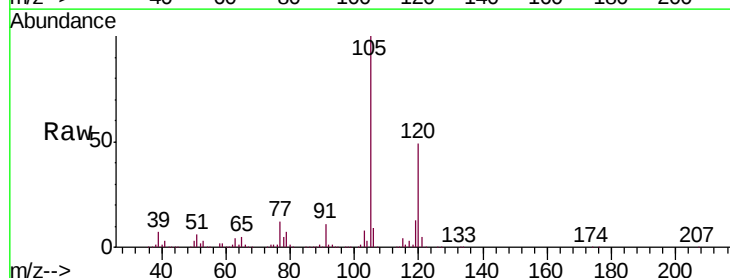
Acq: 25 Jul 2018 15:21

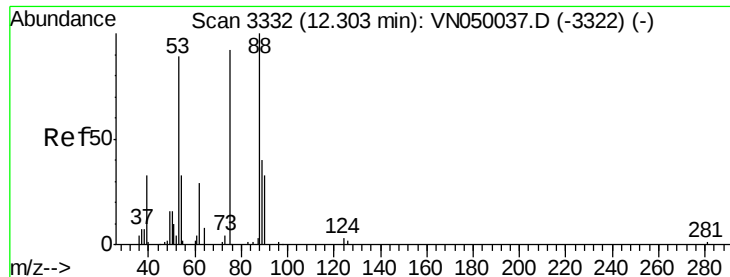
Tgt Ion: 105 Resp: 592422

Ion Ratio Lower Upper

105 100

120 48.8 0.0 98.0





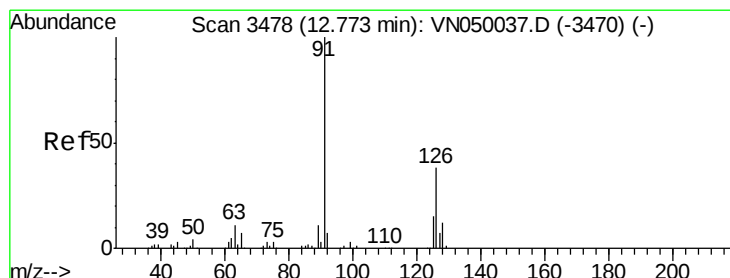
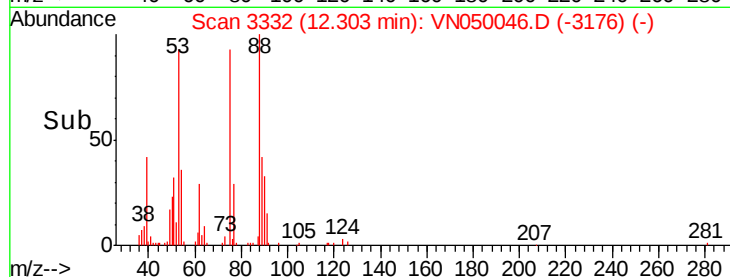
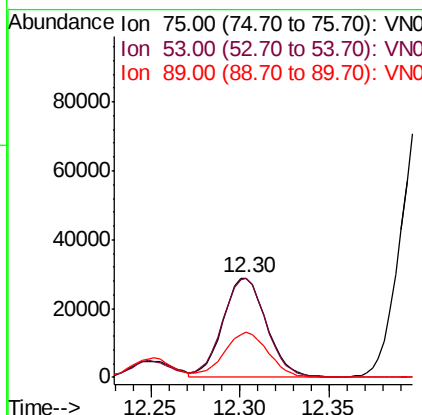
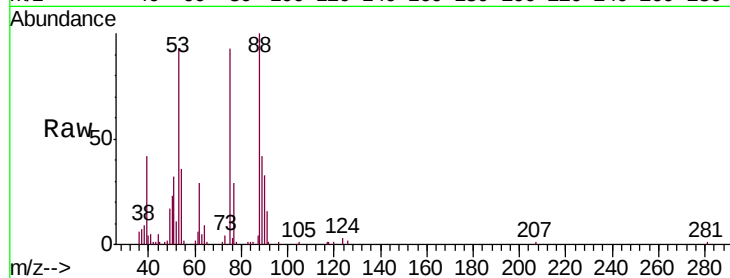
#77
t-1,4-Dichloro-2-butene
Concen: 17.77 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	44.6	134.0
89	45.7	20.7	62.1

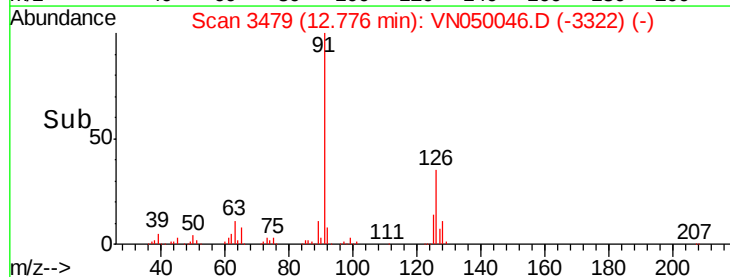
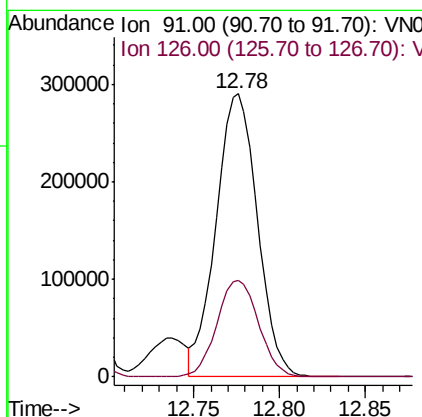
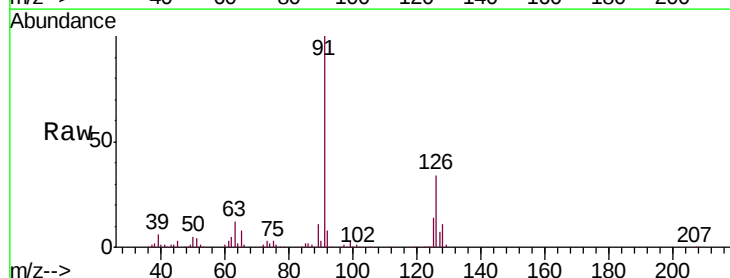
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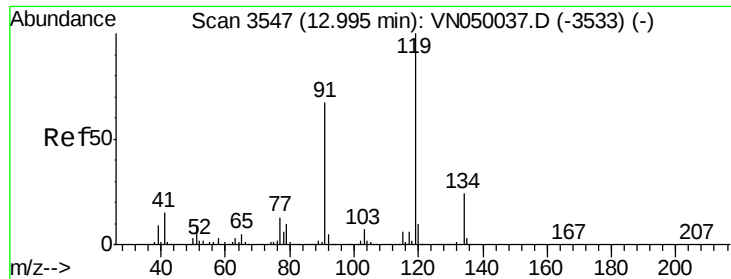
MMDadoda
7/26/2018 3:54:30 PM



#78
4-Chlorotoluene
Concen: 19.41 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4





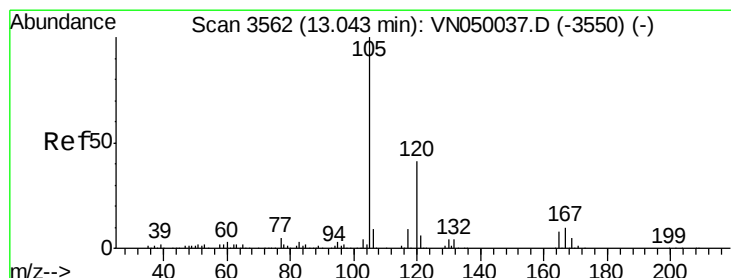
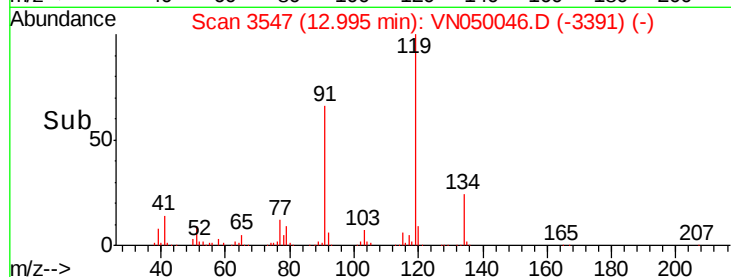
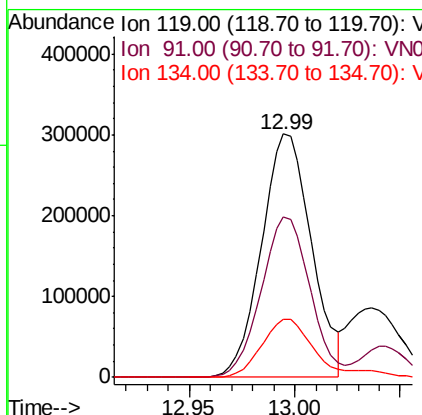
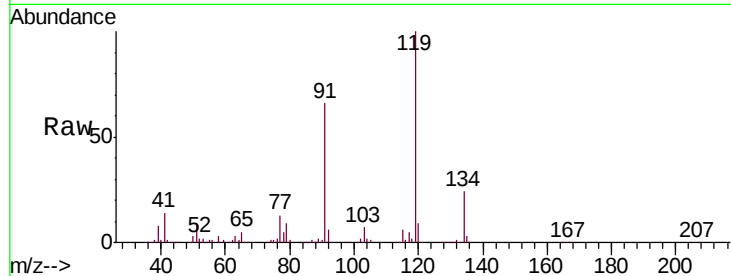
#79
tert-butylbenzene
Concen: 19.66 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498210		
91	64.3	0.0	126.8	
134	26.0	0.0	47.4	

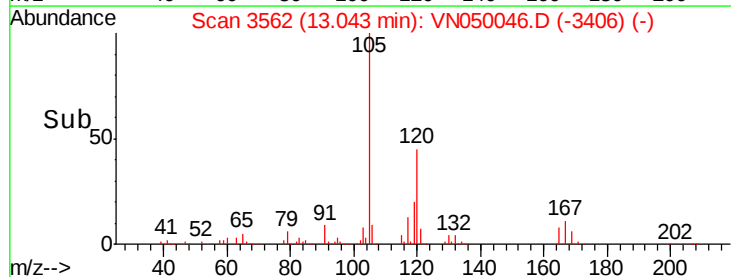
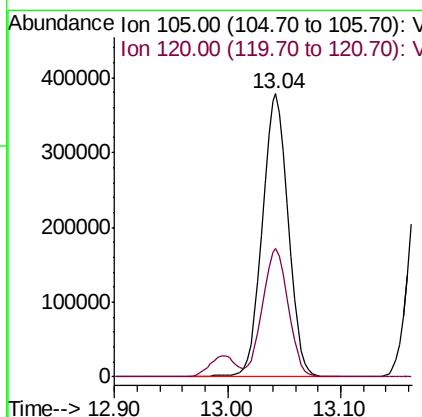
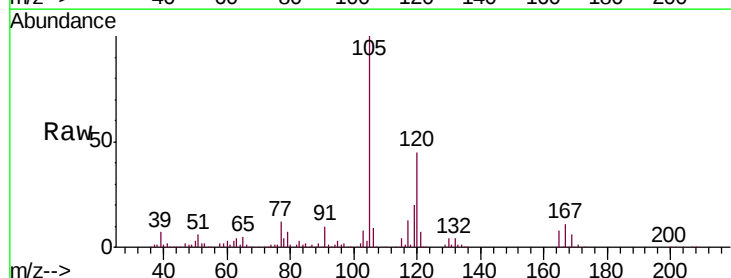
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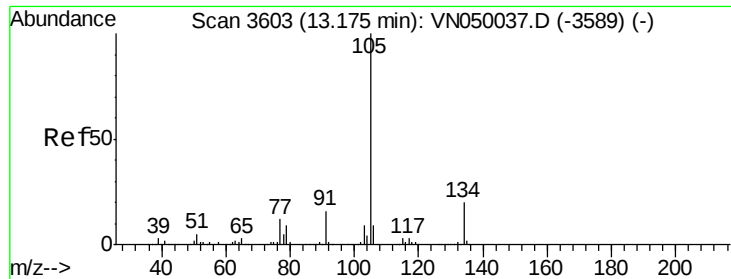
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.02 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	601271		
120	45.3	0.0	90.6	





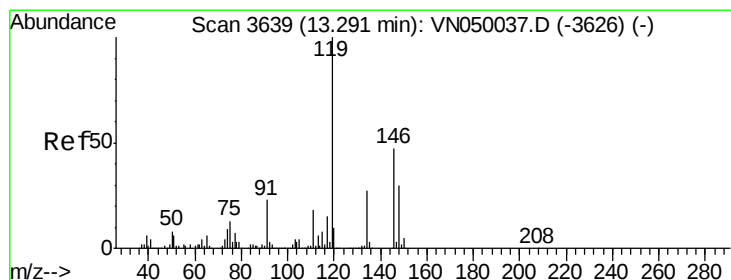
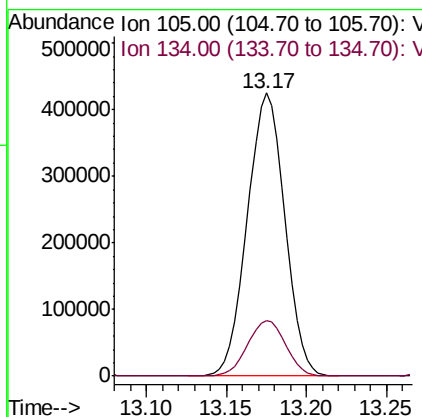
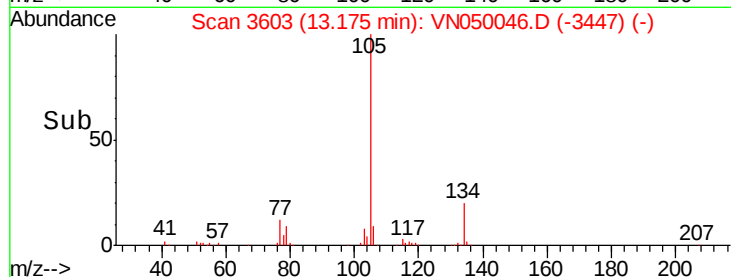
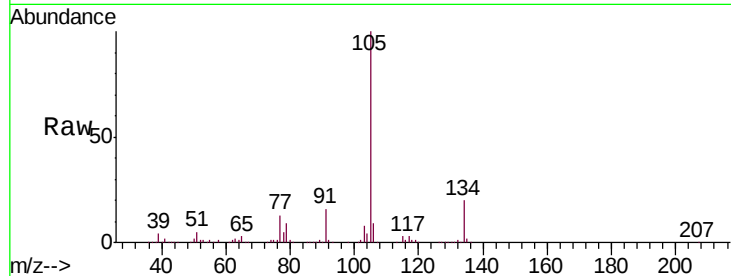
#81
 sec-Butylbenzene
 Concen: 19.79 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	40.6

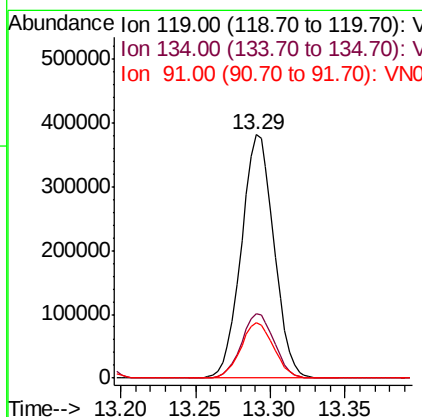
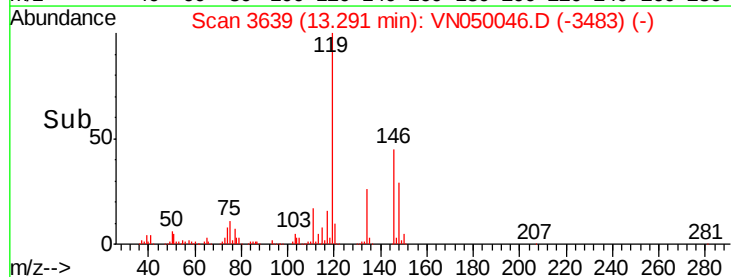
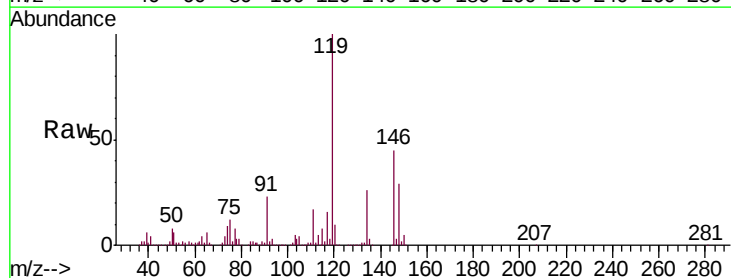
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#82
 p-Isopropyltoluene
 Concen: 19.72 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	52.2
91	22.9	0.0	45.6





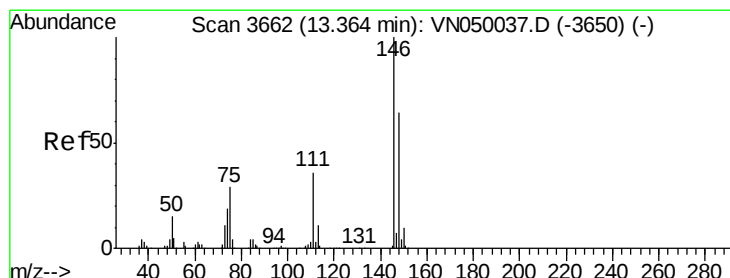
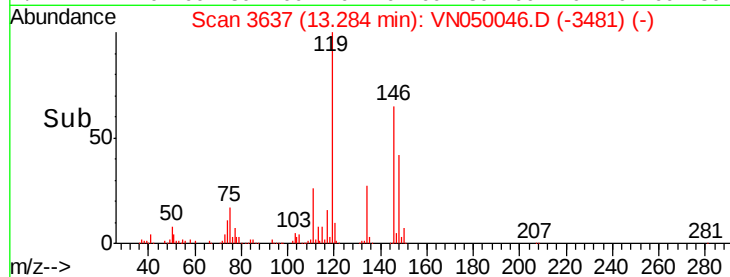
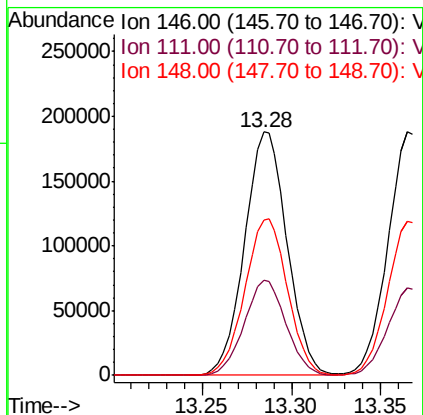
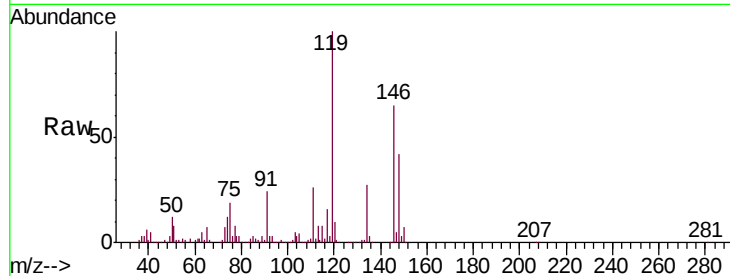
#83
 1,3-Dichlorobenzene
 Concen: 18.72 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.6	31.9	95.9

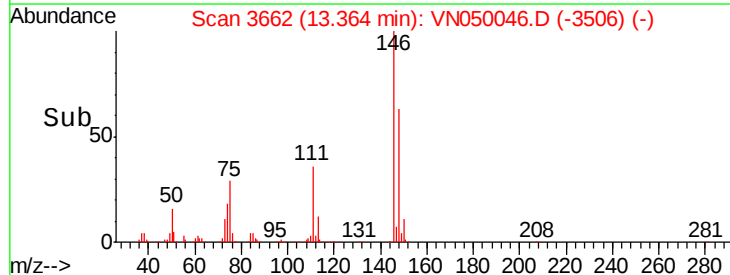
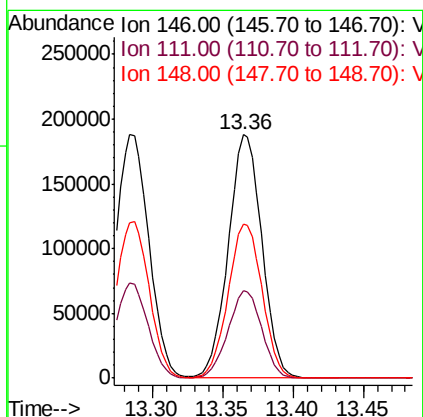
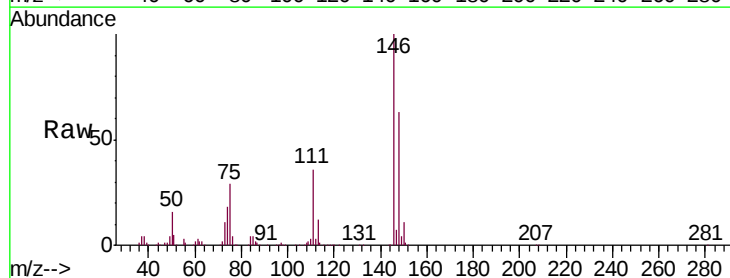
Manual Integrations
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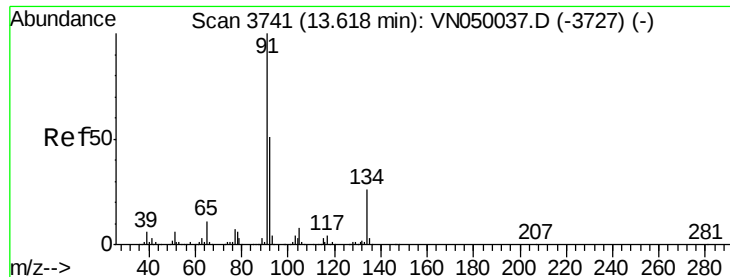
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 7/26/2018 3:54:30 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.9	53.8
148	63.7	32.4	97.0





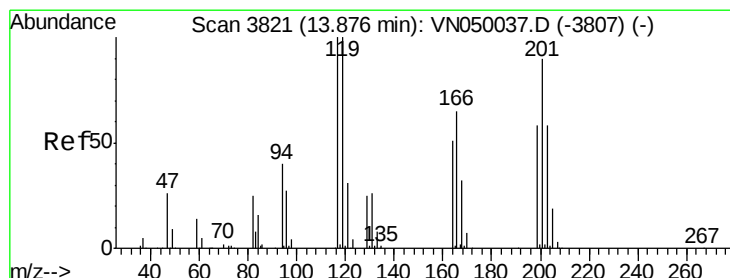
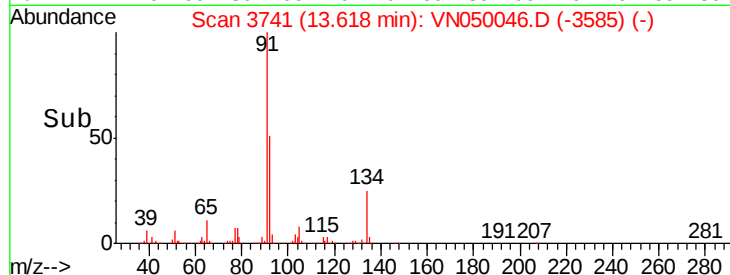
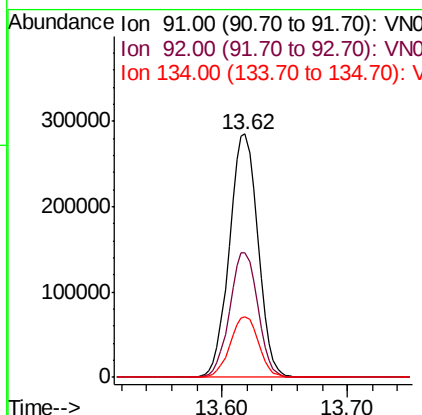
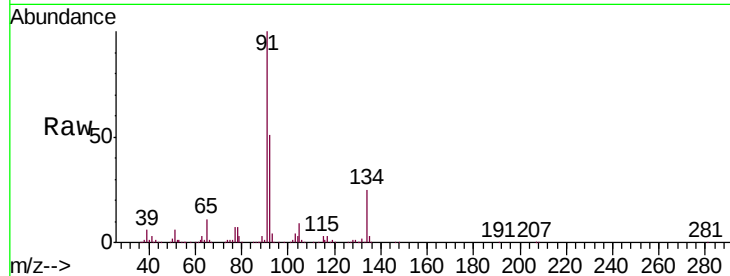
#85
n-Butylbenzene
Concen: 18.91 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	102.8
134	25.0	0.0	51.0

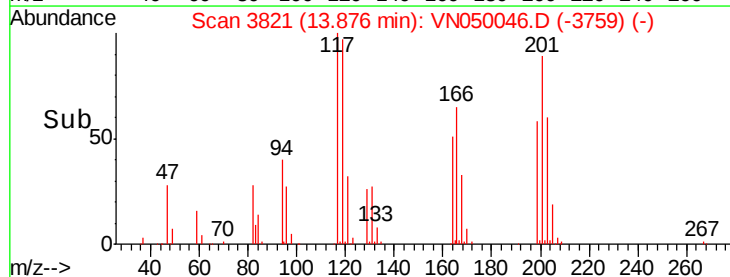
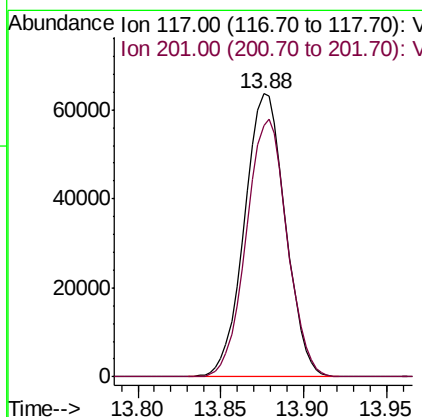
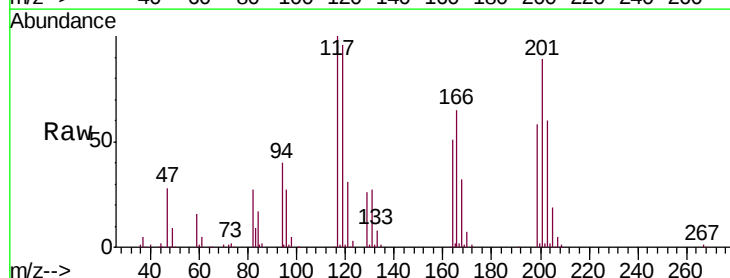
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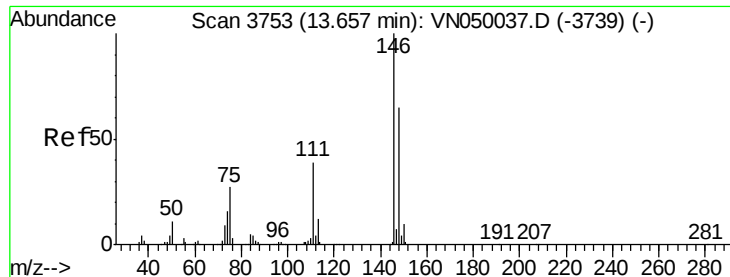
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#86
Hexachloroethane
Concen: 18.62 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	46.6	139.7





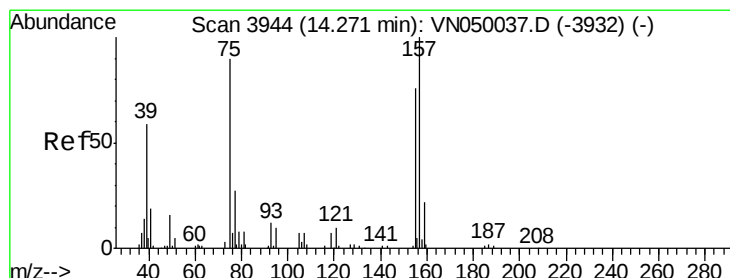
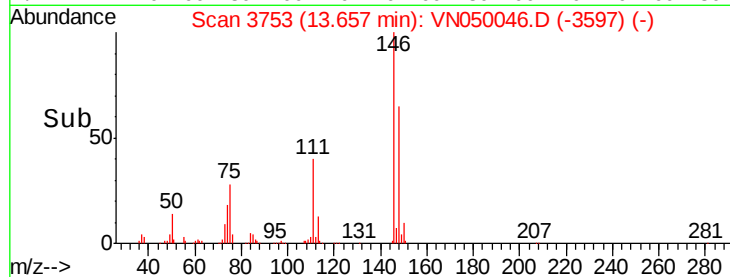
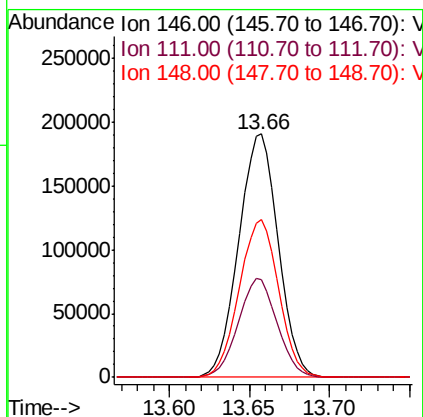
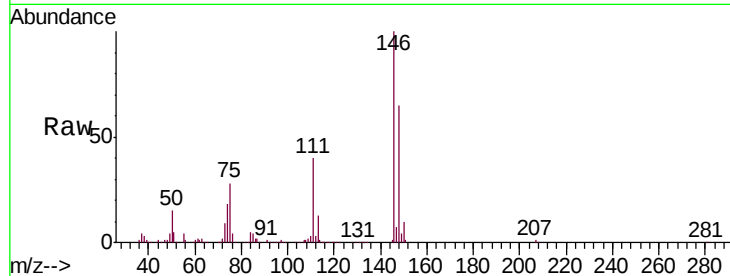
#87
 1,2-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	64.5	31.8	95.3

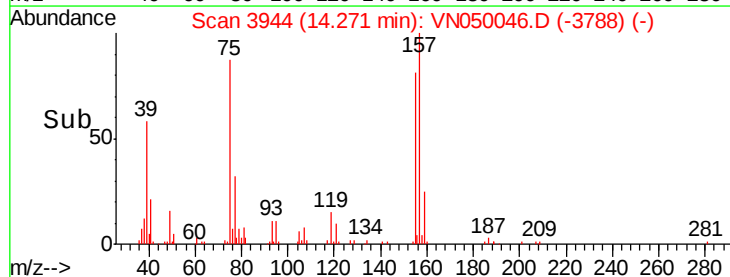
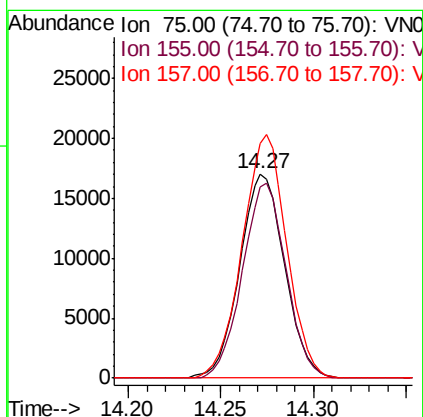
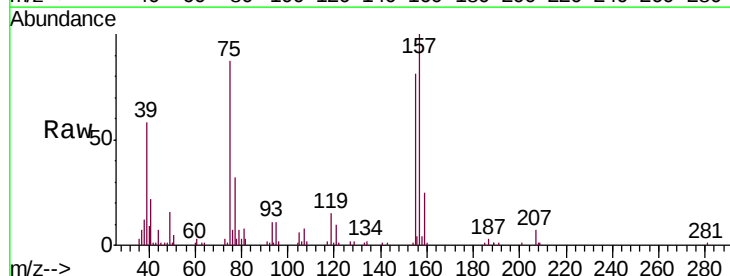
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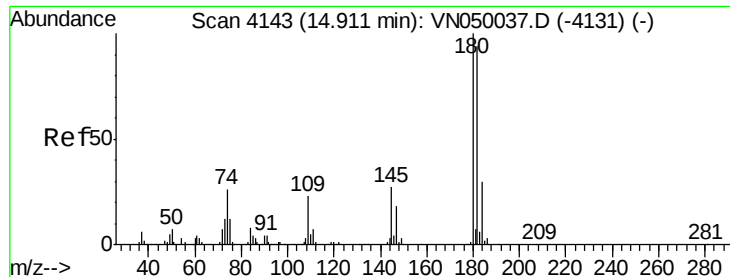
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.55 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	73.0	109.6
157	117.8	94.9	142.3





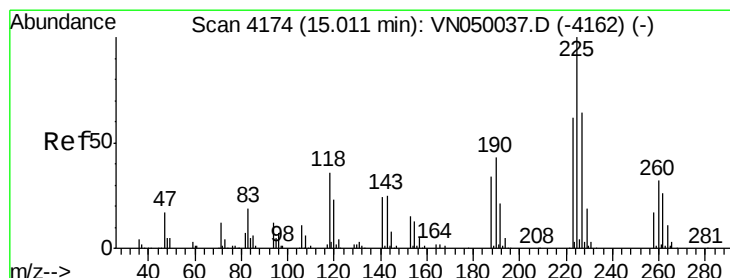
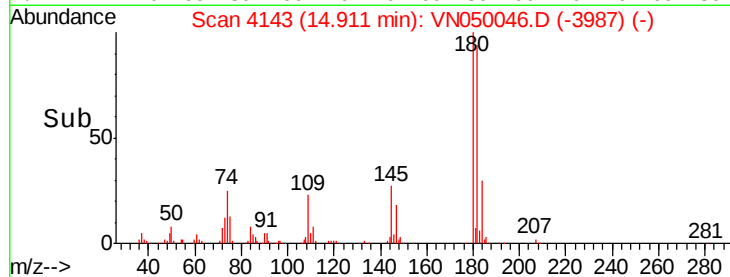
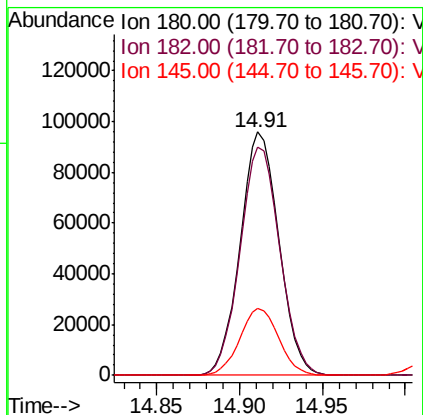
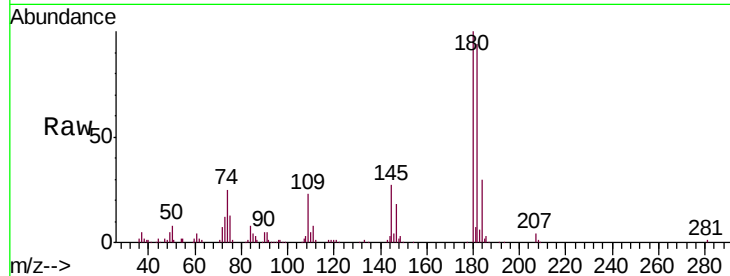
#89
1,2,4-Trichlorobenzene
Concen: 20.00 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	27.5	23.4	35.0

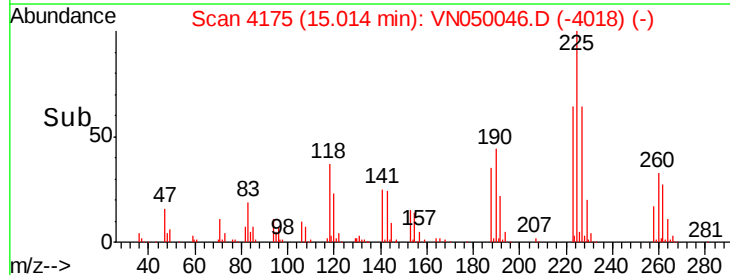
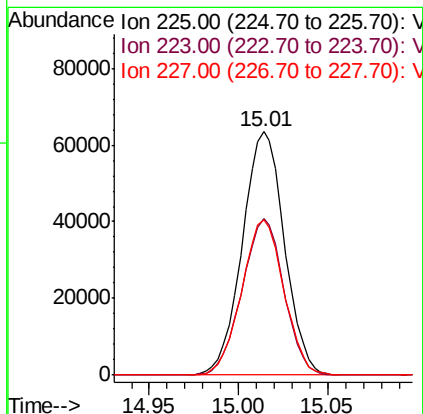
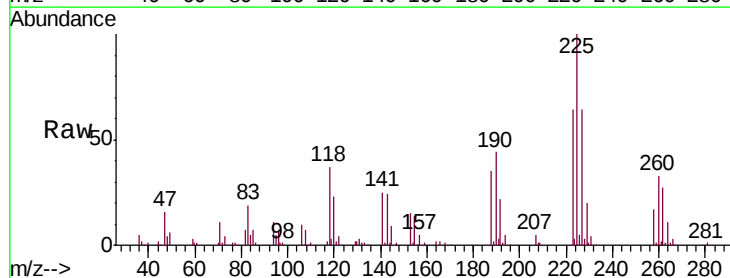
Manual Integrations
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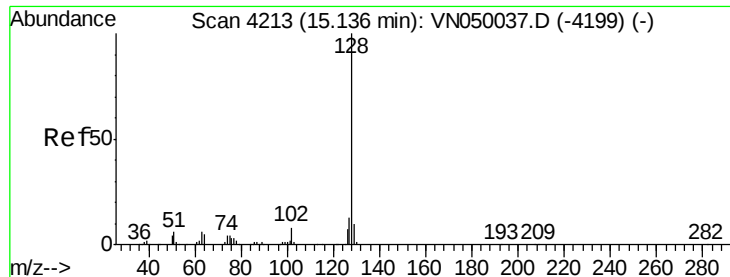
MMDadoda
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#90
Hexachlorobutadiene
Concen: 20.28 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	0.0	124.4
227	63.7	0.0	133.0





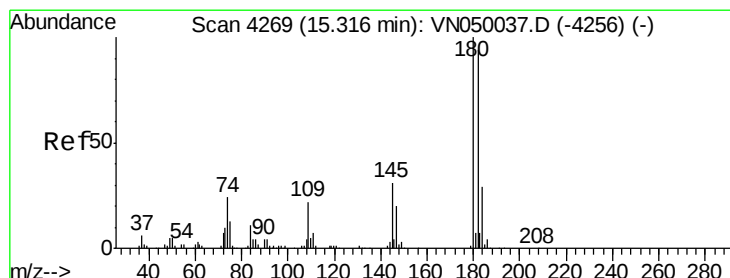
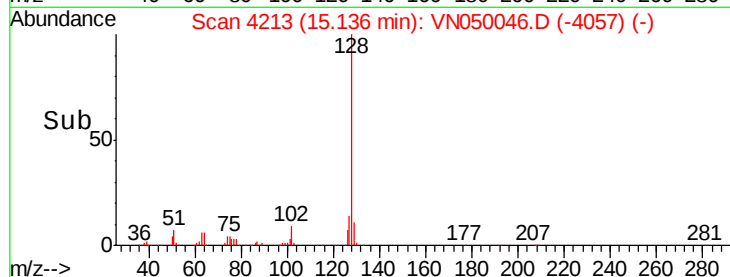
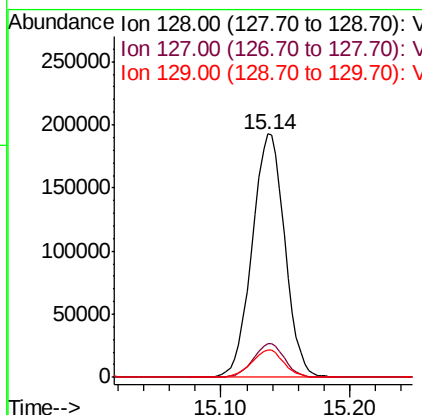
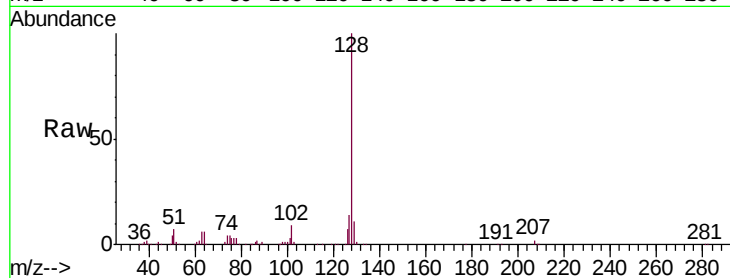
#91
Naphthalene
Concen: 21.53 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.1	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:30 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.45 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	188.8
145	31.5	0.0	60.8

