

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050043.D
 Acq On : 25 Jul 2018 12:59
 Operator : MD\SY
 Sample : VN0725WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0725WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:12 PM

Quant Time: Jul 26 15:26:33 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	131564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	712767	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	613813	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	275364	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	278437	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	10.09	98	887728	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	195201	21.53	ug/l	98
3) Chloromethane	2.06	50	188513	20.17	ug/l	100
4) Vinyl Chloride	2.18	62	197440	19.84	ug/l	97
5) Bromomethane	2.56	94	143585	23.67	ug/l	95
6) Chloroethane	2.70	64	117169	19.91	ug/l	100
7) Trichlorofluoromethane	3.01	101	264010	20.30	ug/l	99
8) Diethyl Ether	3.41	74	86202	19.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161157	20.37	ug/l	99
10) 1,1-Dichloroethene	3.73	96	138201	19.70	ug/l	96
11) Methyl Iodide	3.95	142	164398	15.93	ug/l	98
12) Methyl Acetate	4.33	43	164977	20.53	ug/l	96
13) Acrolein	3.61	56	40708	81.98	ug/l	99
14) Acrylonitrile	5.00	53	267313	99.70	ug/l	98
15) Acetone	3.82	58	71154	99.86	ug/l	98
16) Carbon Disulfide	4.05	76	413488	19.26	ug/l	100
17) Allyl chloride	4.32	41	217463	19.63	ug/l	99
18) Methylene Chloride	4.55	84	159811	19.74	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	150979	20.10	ug/l	94
20) Diisopropyl ether	5.96	45	459878	20.25	ug/l	99
21) 1,1-Dichloroethane	5.85	63	285850	20.01	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	165096	19.82	ug/l	99
23) tert-Butyl Alcohol	4.81	59	62674	104.61	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	392274	20.51	ug/l	100
25) Chloroform	7.37	83	290423	20.09	ug/l	99
26) Cyclohexane	7.65	56	228513	20.13	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	212090	19.17	ug/l	100
30) 2-Butanone	6.84	43	329295	94.87	ug/l	98
31) 2,2-Dichloropropane	6.83	77	231853	18.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	247625	19.02	ug/l	99
33) Carbon Tetrachloride	7.78	117	218349	18.81	ug/l	98
34) Benzene	8.04	78	638399	19.00	ug/l	99
35) Methacrylonitrile	7.18	41	71625	18.12	ug/l	97
36) 1,2-Dichloroethane	8.13	62	210928	19.12	ug/l	99
37) Trichloroethene	8.84	130	169419	19.23	ug/l	98
38) Methylcyclohexane	9.08	83	223636	19.18	ug/l	98
39) 1,2-Dichloropropane	9.12	63	169384	19.14	ug/l	100
40) Dibromomethane	9.21	93	103469	18.92	ug/l	99

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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	9.41	83	213512	18.51	ug/l	98
42) Vinyl Acetate	5.90	43	1547803	94.76	ug/l	99
43) Ethyl Acetate	6.93	43	138276	19.08	ug/l #	92
44) Isopropyl Acetate	8.17	43	270611	20.15	ug/l	95
45) 1,4-Dioxane	9.20	88	35519	402.00	ug/l	99
46) Methyl methacrylate	9.20	41	117799	18.10	ug/l	96
47) n-amyl Acetate	12.07	43	186342	17.84	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	205517	18.69	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242876	18.80	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	147654	18.81	ug/l	98
51) Ethyl methacrylate	10.43	69	175983	18.47	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241373	18.72	ug/l	100
53) Dibromochloromethane	10.90	129	163558	18.36	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144879	18.84	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	396362	91.91	ug/l	99
56) Bromoform	12.13	173	112344	17.86	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	713252	99.86	ug/l	99
59) 2-Hexanone	10.75	43	474570	97.40	ug/l	100
61) Tetrachloroethene	10.63	164	162393	19.53	ug/l	97
62) Toluene	10.16	91	687806	19.64	ug/l	99
64) Chlorobenzene	11.44	112	413596	19.48	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	158655	19.15	ug/l	99
66) Ethyl Benzene	11.51	91	692070	19.34	ug/l	100
67) m/p-Xylenes	11.62	106	542915	39.42	ug/l	99
68) o-Xylene	11.95	106	250379	19.11	ug/l	97
69) Styrene	11.97	104	400789	19.08	ug/l	100
70) Isopropylbenzene	12.25	105	684734	19.62	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	184249	19.23	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	164939m	20.15	ug/l	
73) Bromobenzene	12.53	156	175015	18.83	ug/l	98
74) n-propylbenzene	12.59	91	785579	19.33	ug/l	99
75) 2-Chlorotoluene	12.68	91	475996	19.50	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	564489	19.69	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48310	18.06	ug/l	93
78) 4-Chlorotoluene	12.78	91	468940	19.38	ug/l	99
79) tert-butylbenzene	13.00	119	479463	19.56	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	574214	19.77	ug/l	99
81) sec-Butylbenzene	13.17	105	651588	19.57	ug/l	99
82) p-Isopropyltoluene	13.29	119	552992	19.47	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	305581	18.88	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	303125	19.82	ug/l	98
85) n-Butylbenzene	13.62	91	424323	18.41	ug/l	99
86) Hexachloroethane	13.88	117	108944	19.19	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	310961	19.65	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29590	19.82	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	155216	20.54	ug/l	98
90) Hexachlorobutadiene	15.01	225	93685	18.80	ug/l	98
91) Naphthalene	15.14	128	343532	22.14	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	142662	18.56	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

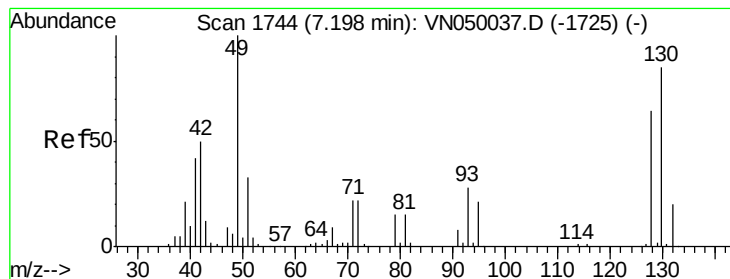
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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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: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

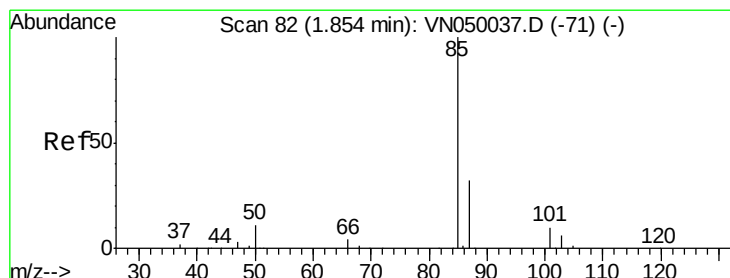
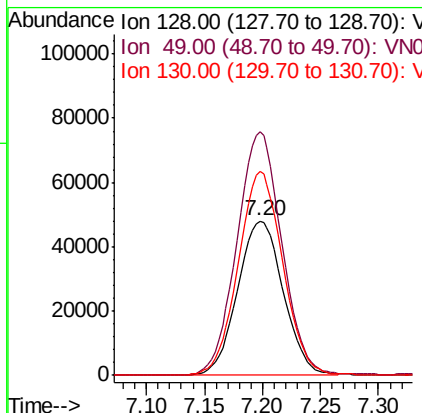
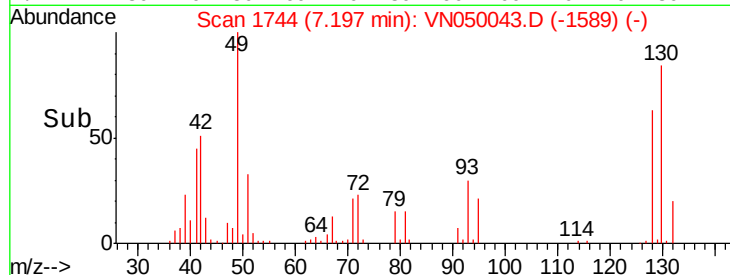
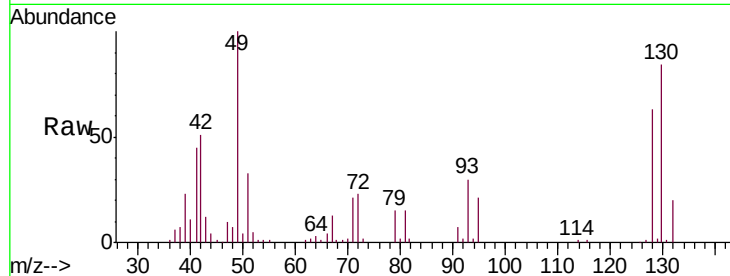
ClientSampleId :

VN0725WBS01

Tot Ion:	128	Resp:	131564
Ion	Ratio	Lower	Upper
128	100		
49	155.6	0.0	378.3
130	129.5	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 21.53 ug/l

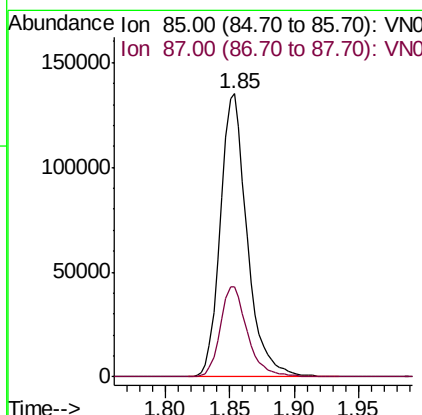
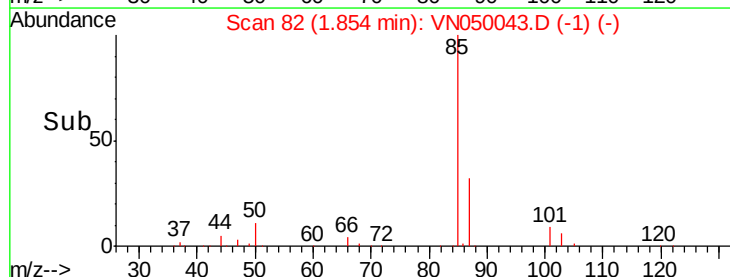
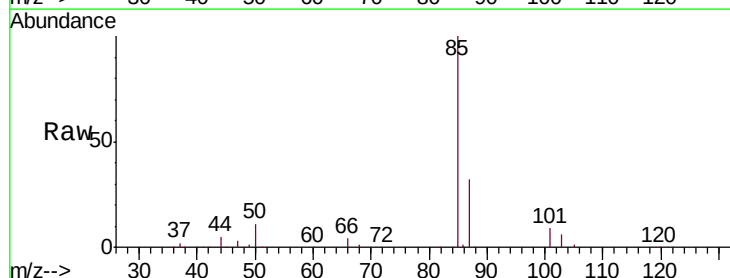
RT: 1.85 min Scan# 82

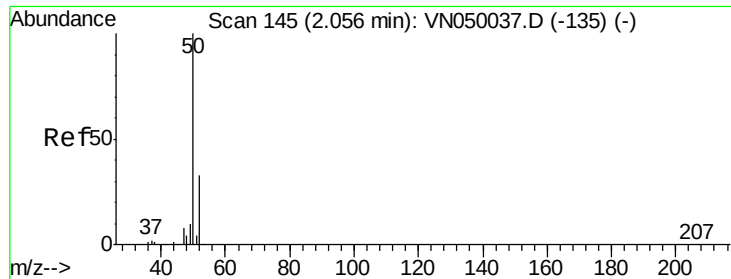
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	85	Resp:	195201
Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4





#3

Chloromethane

Concen: 20.17 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 50 Resp: 188513

Ion Ratio Lower Upper

50 100

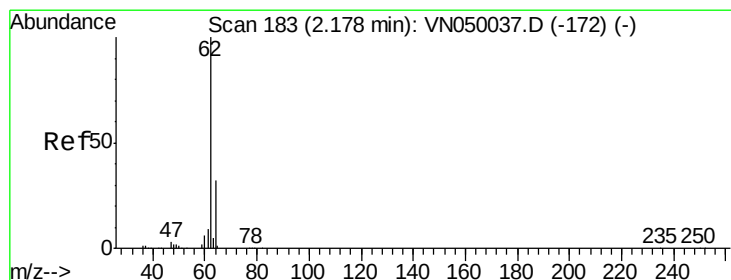
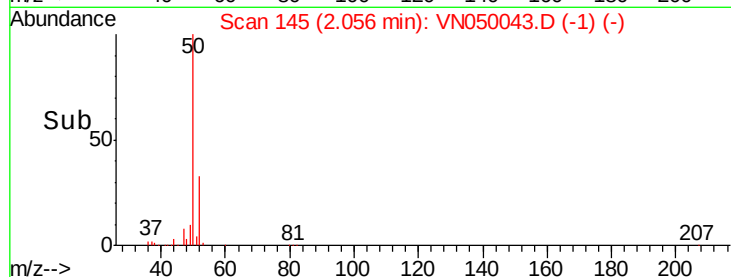
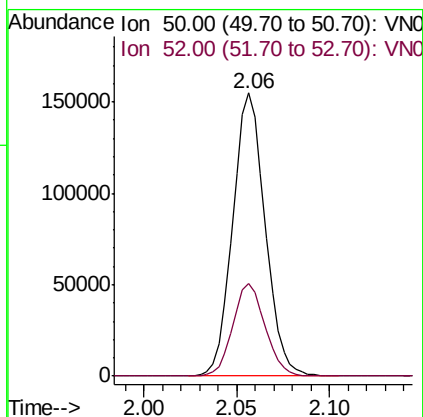
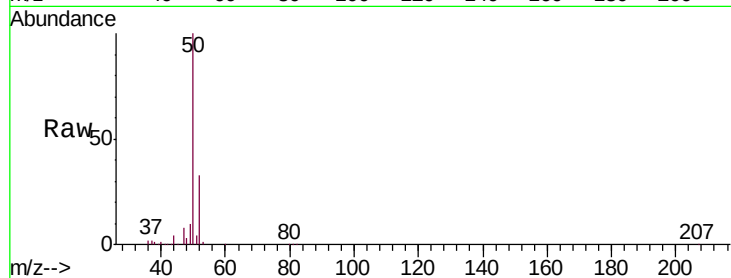
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050043.D

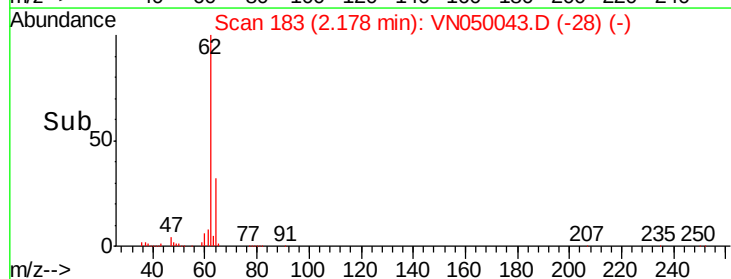
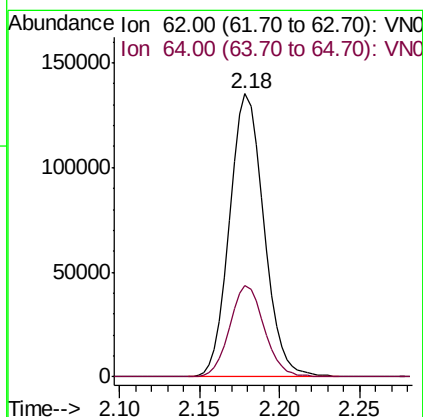
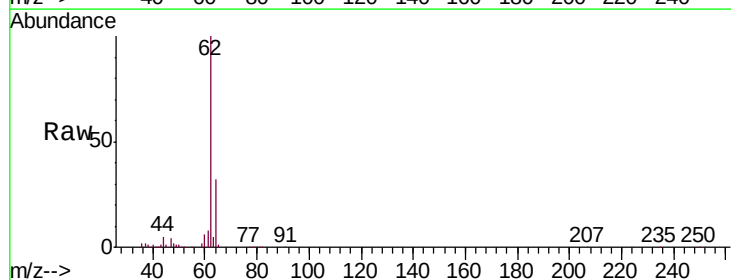
Acq: 25 Jul 2018 12:59

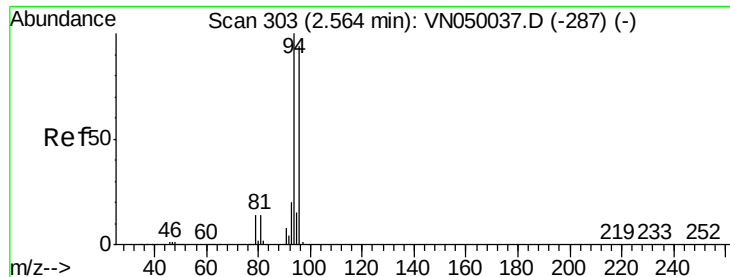
Tgt Ion: 62 Resp: 197440

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 23.67 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 94 Resp: 143585

Ion Ratio Lower Upper

94 100

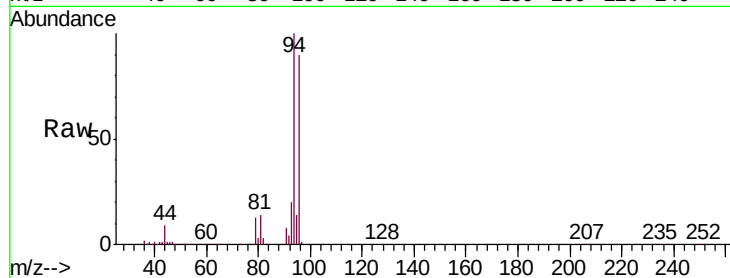
96 90.5 75.9 113.9

Manual Integrations

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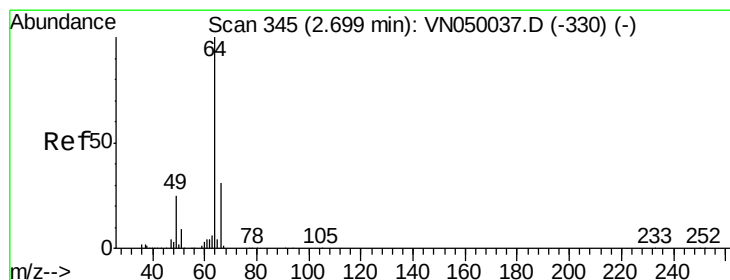
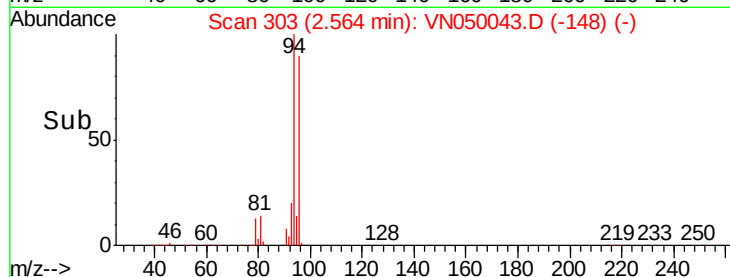
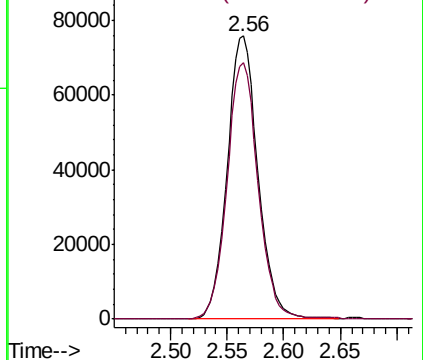
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.91 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050043.D

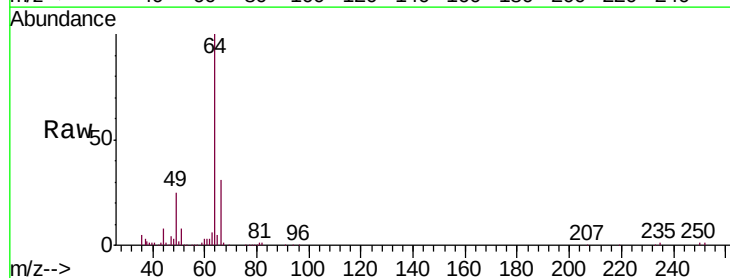
Acq: 25 Jul 2018 12:59

Tgt Ion: 64 Resp: 117169

Ion Ratio Lower Upper

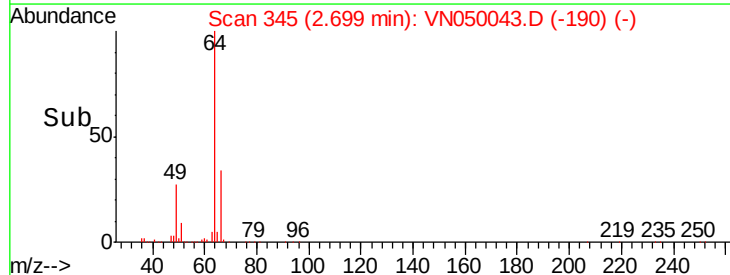
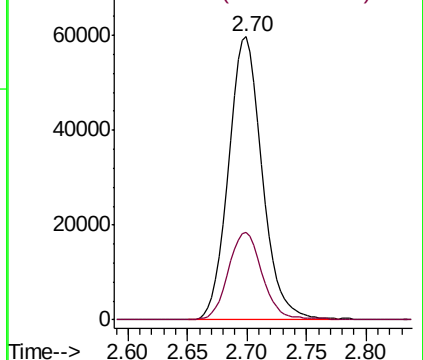
64 100

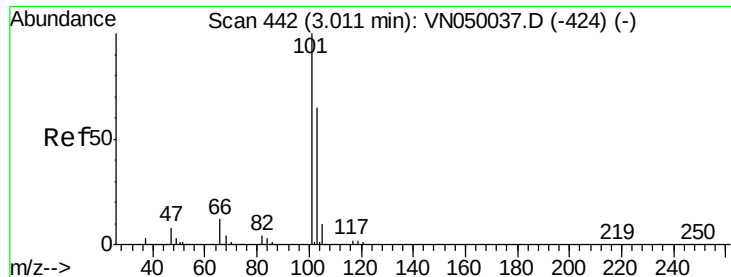
66 31.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

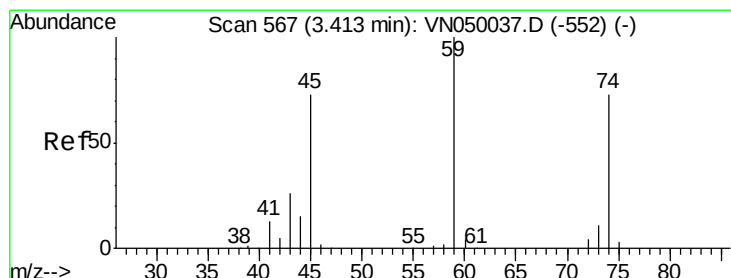
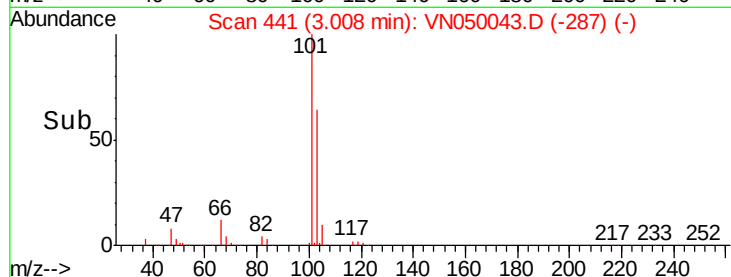
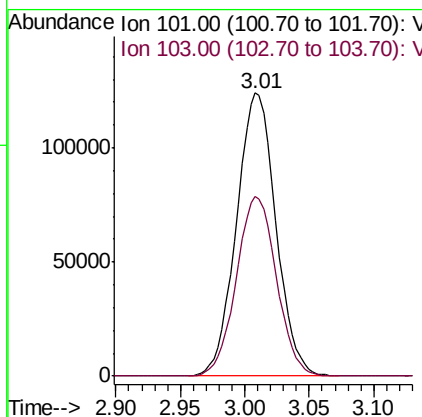
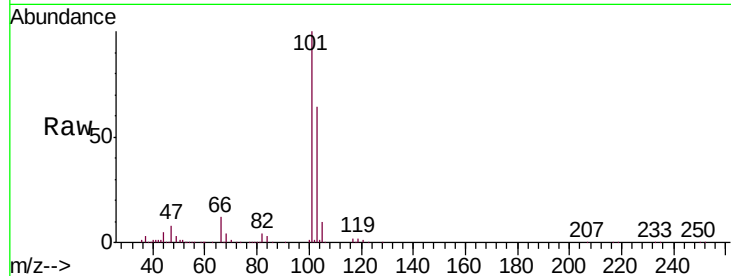
Trichlorofluoromethane
 Concen: 20.30 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

Manual Integrations
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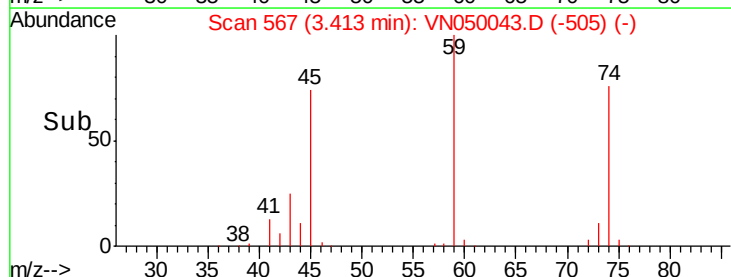
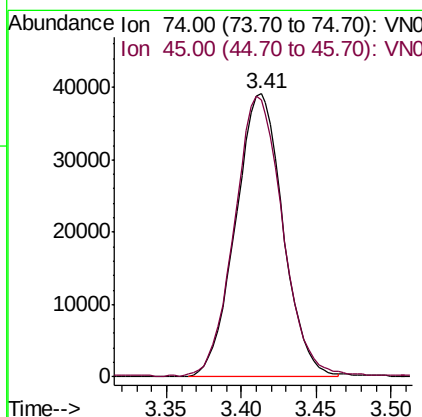
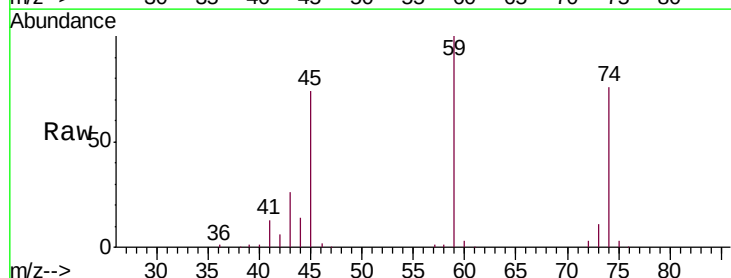
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 7/26/2018 3:54:12 PM

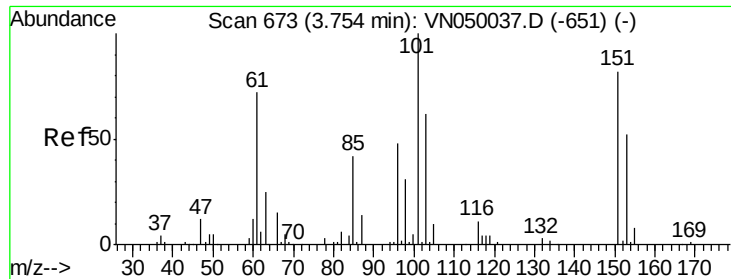


#8

Diethyl Ether
 Concen: 19.76 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	18.7	167.9





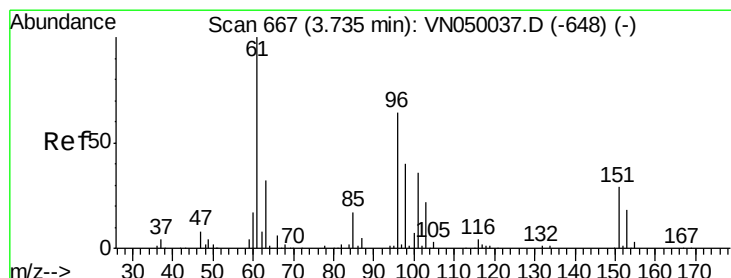
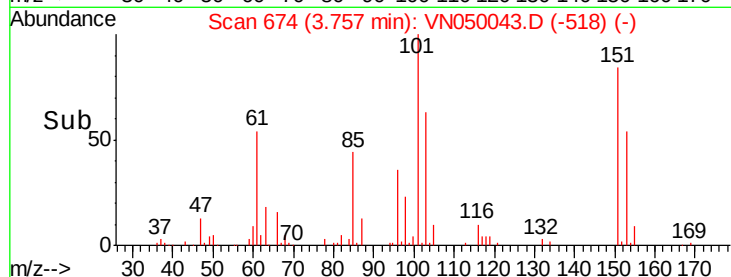
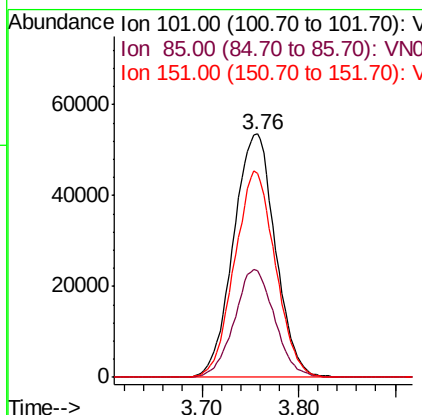
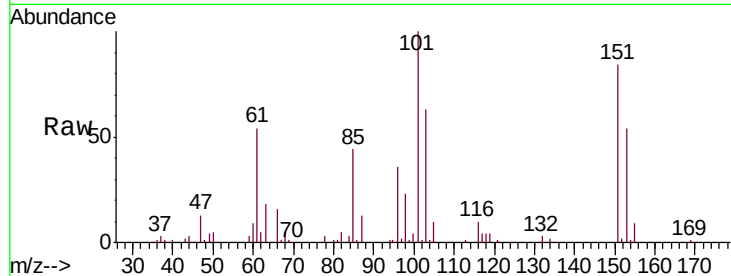
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.37 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	161157		
85	42.5	0.0	83.0	
151	82.5	0.0	166.8	

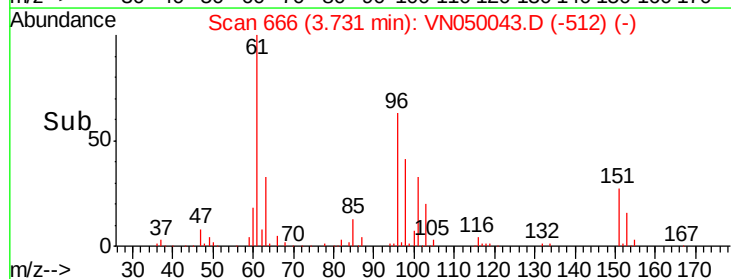
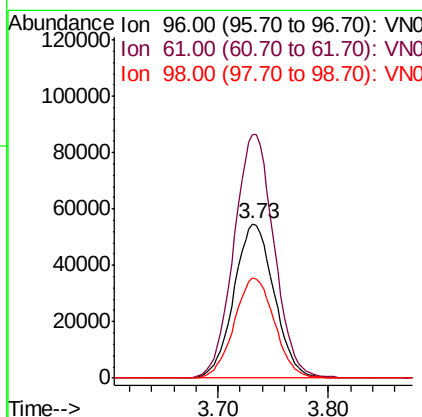
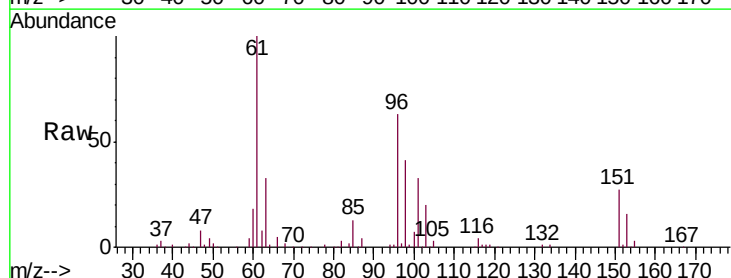
Manual Integrations
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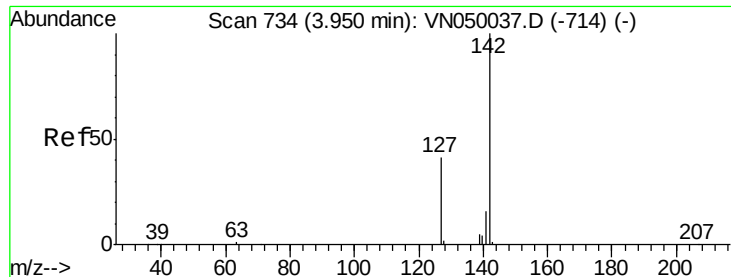
MMDadoda
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#10
 1,1-Dichloroethene
 Concen: 19.70 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	138201		
61	157.7	130.6	195.8	
98	64.7	53.5	80.3	





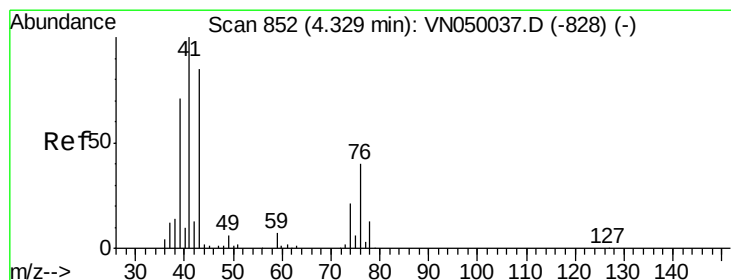
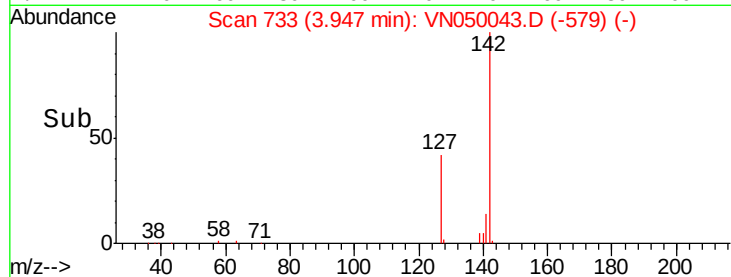
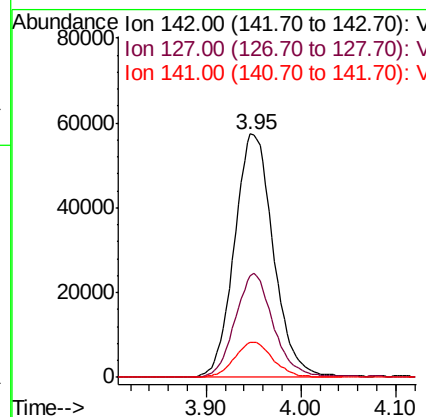
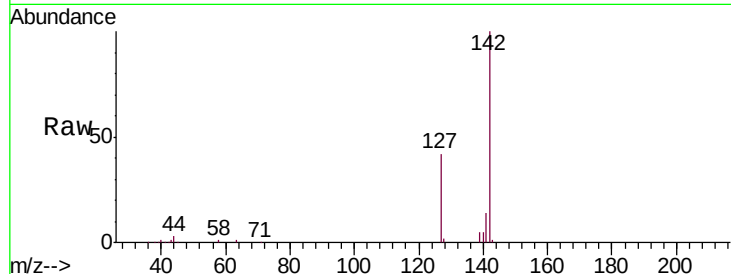
#11
Methvl Iodide
Concen: 15.93 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	20.2	60.5
141	14.4	6.9	20.6

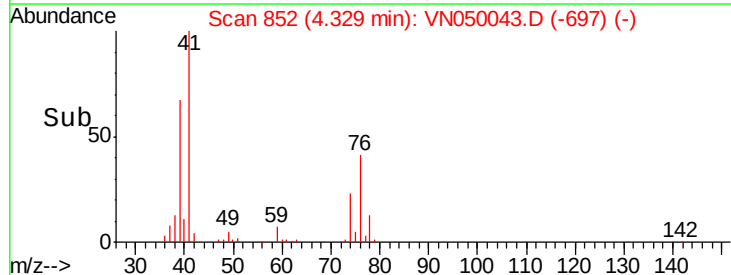
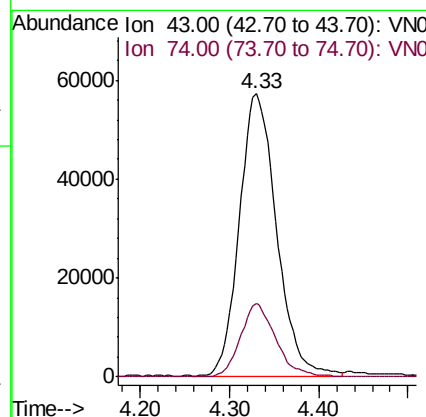
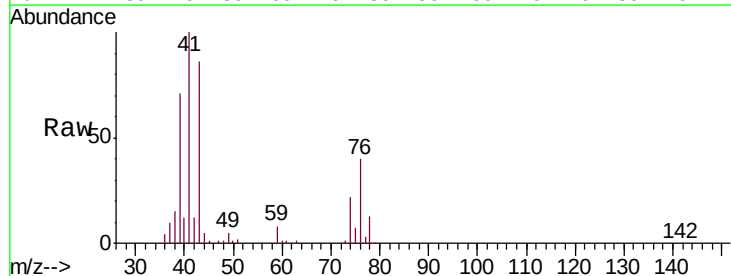
Manual Integrations
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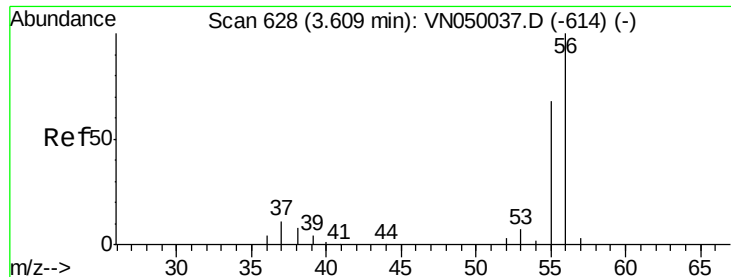
MMDadoda
7/26/2018 3:54:12 PM



#12
Methyl Acetate
Concen: 20.53 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.3	28.9





#13

Acrolein

Concen: 81.98 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 56 Resp: 40708

Ion Ratio Lower Upper

56 100

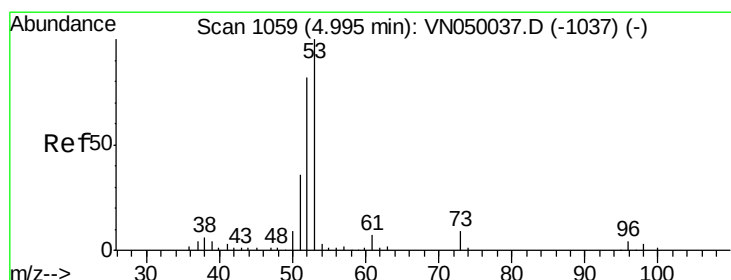
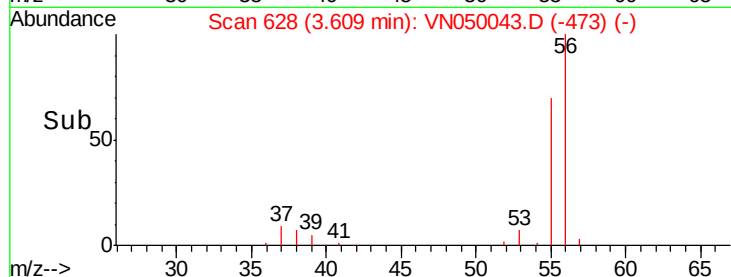
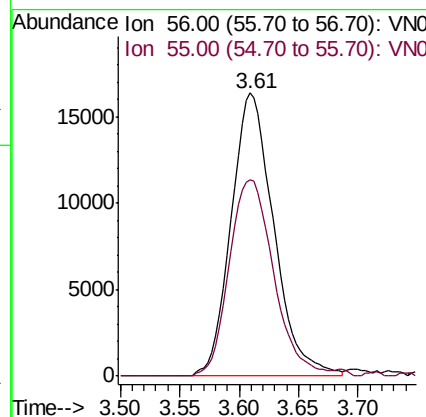
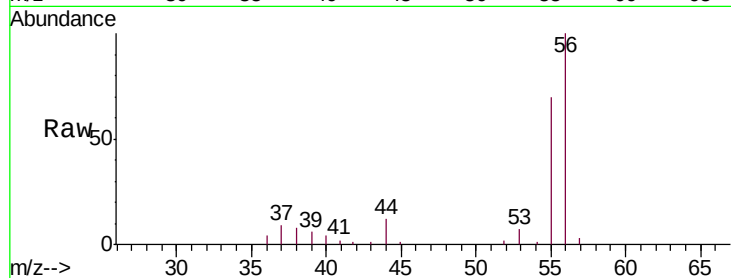
55 72.4 58.6 88.0

Manual Integrations

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#14

Acrylonitrile

Concen: 99.70 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

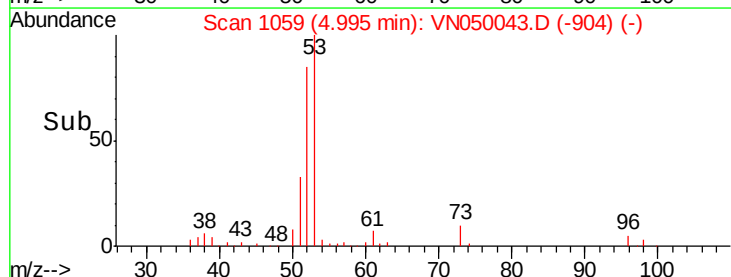
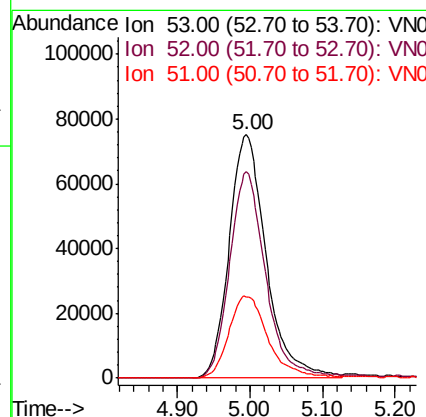
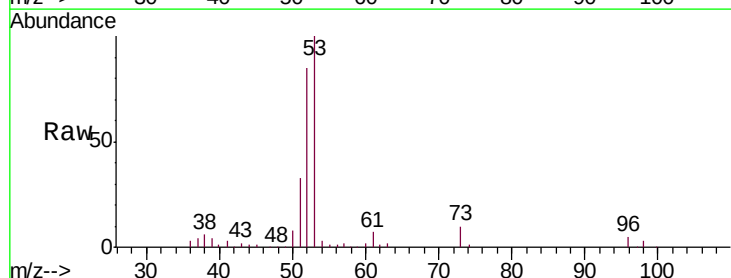
Tgt Ion: 53 Resp: 267313

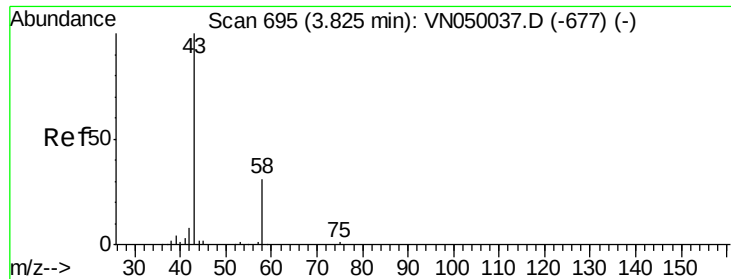
Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.5

51 35.5 18.7 56.1





#15

Acetone

Concen: 99.86 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 58 Resp: 71154

Ion Ratio Lower Upper

58 100

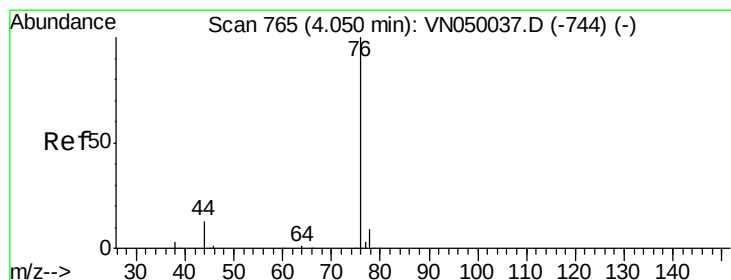
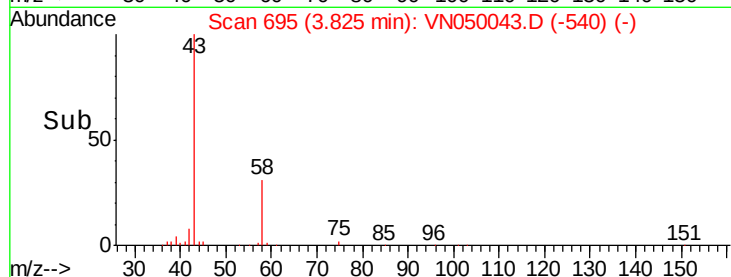
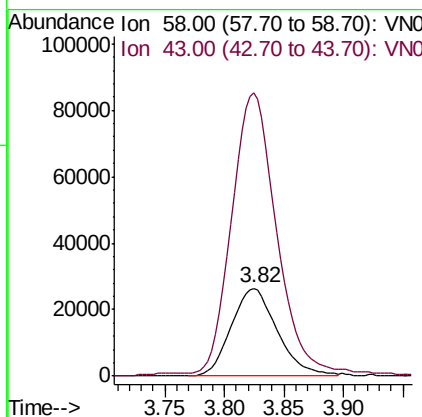
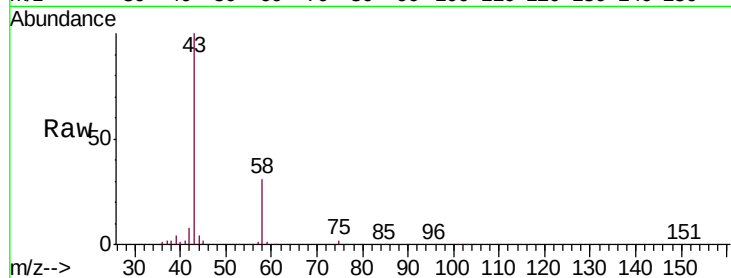
43 318.2 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.26 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050043.D

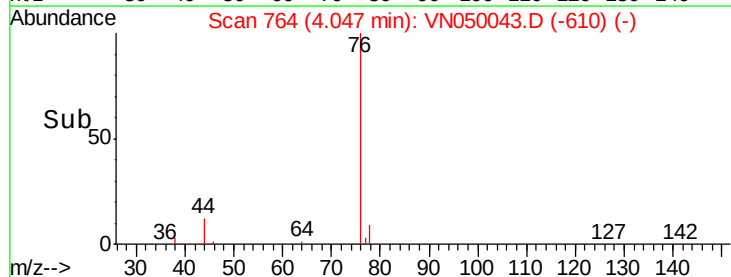
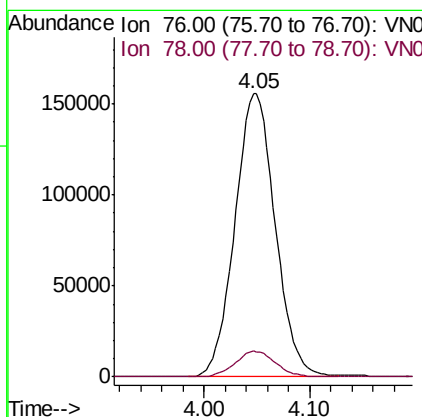
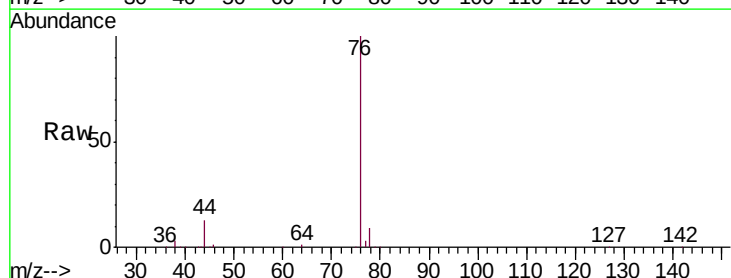
Acq: 25 Jul 2018 12:59

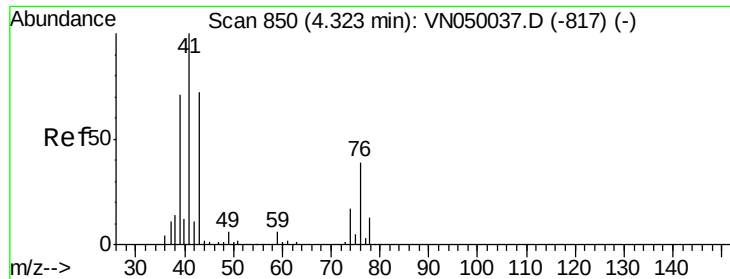
Tgt Ion: 76 Resp: 413488

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





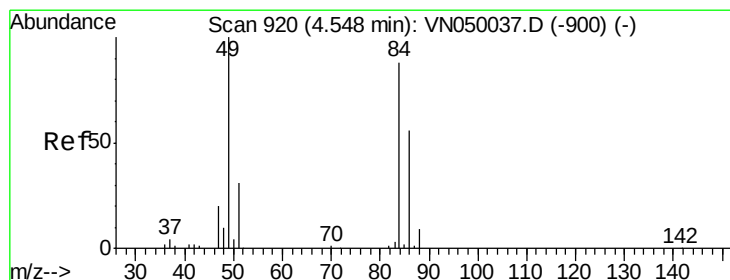
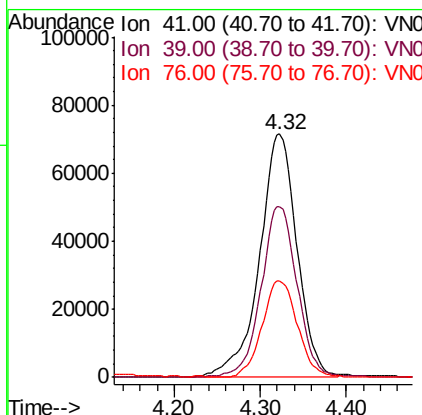
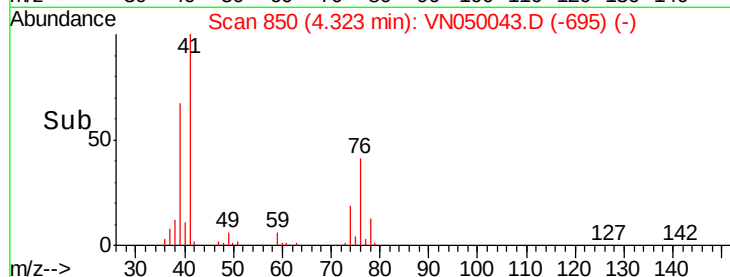
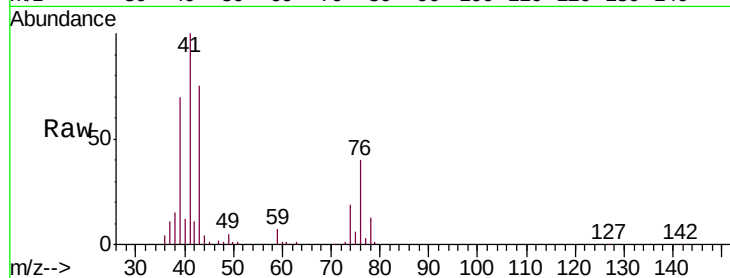
#17
Allvl chloride
Concen: 19.63 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.0	35.4	106.3	
76	39.1	19.7	59.1	

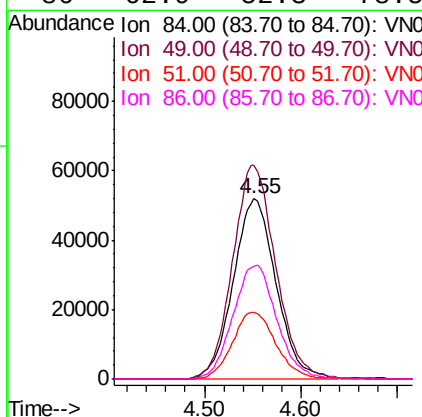
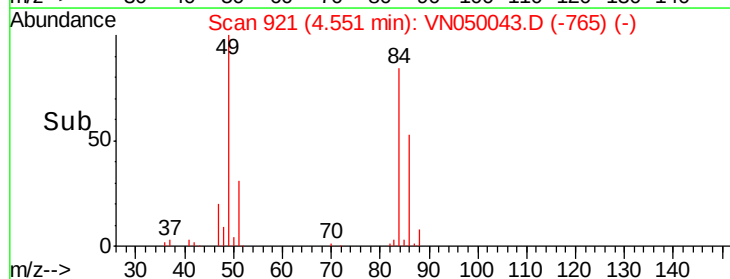
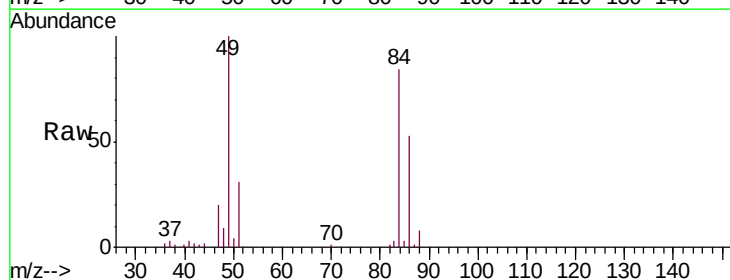
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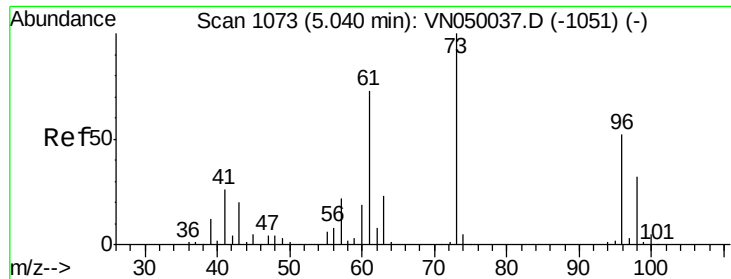
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#18
Methylene Chloride
Concen: 19.74 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
49	118.1	95.1	142.7	
51	36.8	28.8	43.2	
86	62.9	52.3	78.5	





#19

trans-1,2-Dichloroethene

Concen: 20.10 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

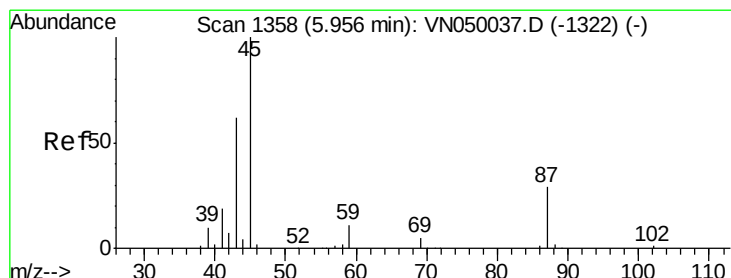
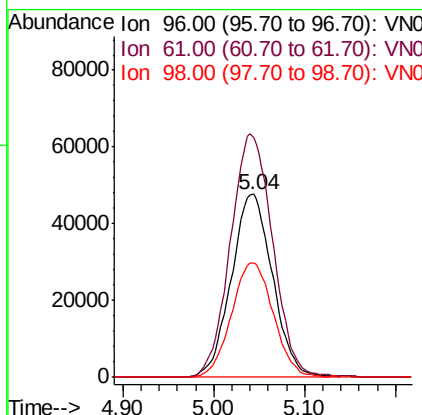
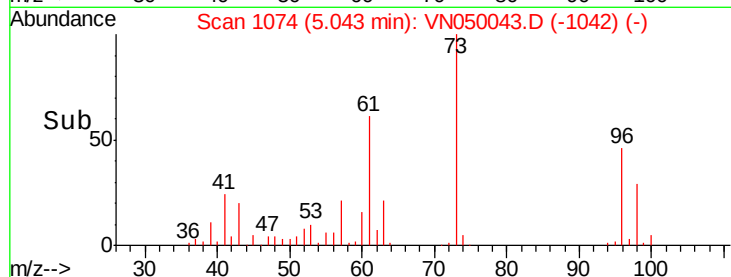
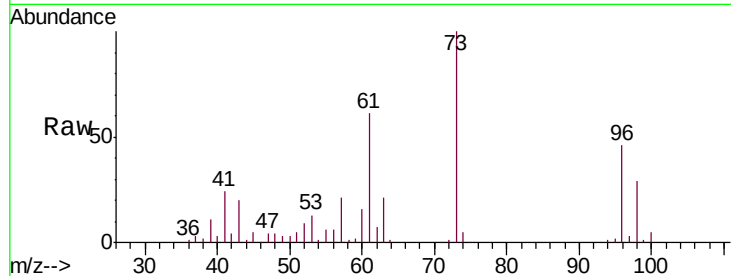
ClientSampleId :

VN0725WBS01

Tot Ion:	96	Resp:	150979
Ion	Ratio	Lower	Upper
96	100		
61	130.8	112.1	168.1
98	62.8	51.3	76.9

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#20

Diisopropyl ether

Concen: 20.25 ug/l

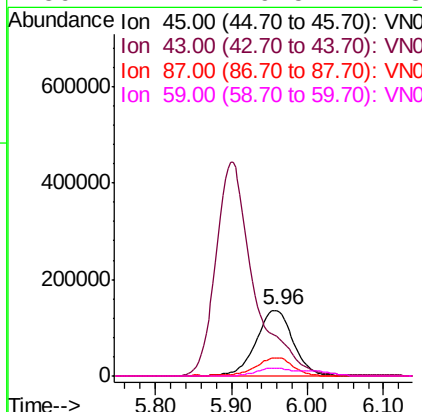
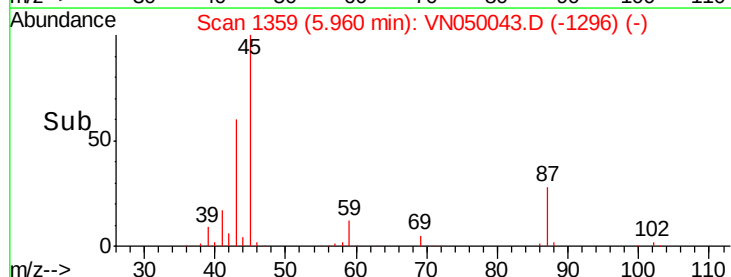
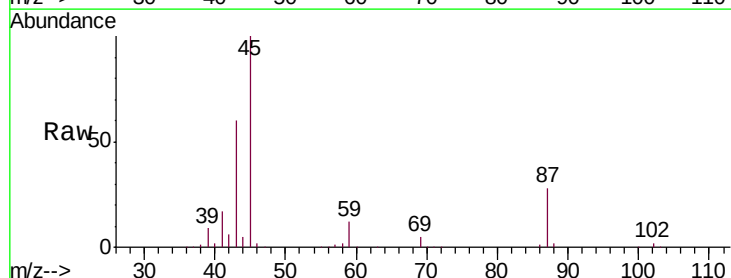
RT: 5.96 min Scan# 1359

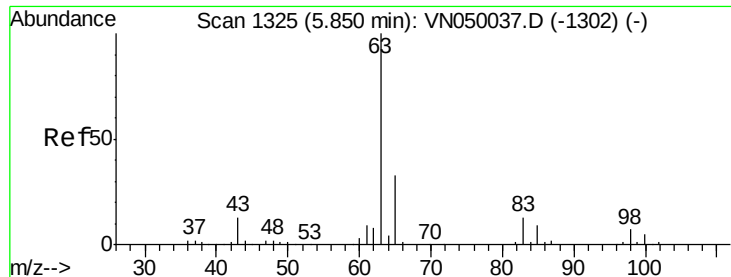
Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	45	Resp:	459878
Ion	Ratio	Lower	Upper
45	100		
43	57.1	46.6	70.0
87	27.5	22.3	33.5
59	11.7	9.5	14.3





#21

1,1-Dichloroethane

Concen: 20.01 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

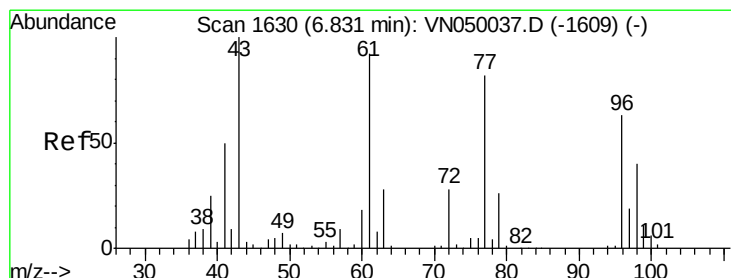
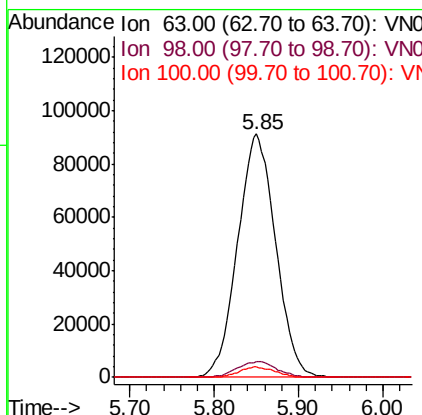
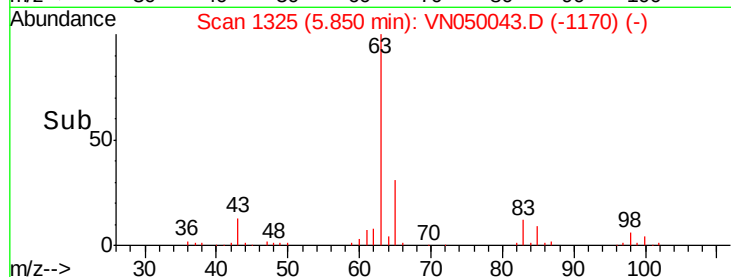
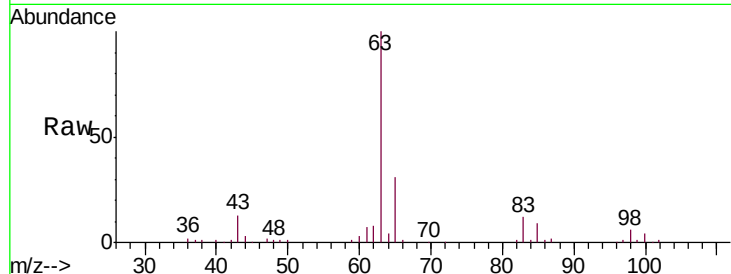
ClientSampleId :

VN0725WBS01

Tot Ion	63	Resp	285850
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.6
100	4.3	2.3	6.8

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#22

cis-1,2-Dichloroethene

Concen: 19.82 ug/l

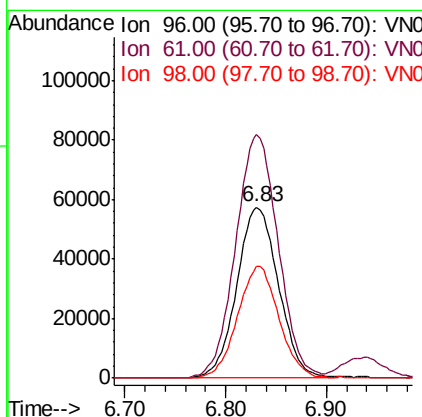
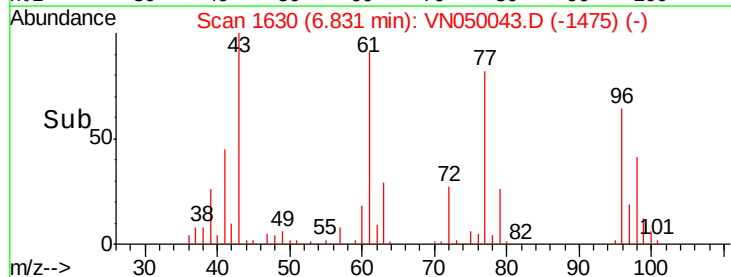
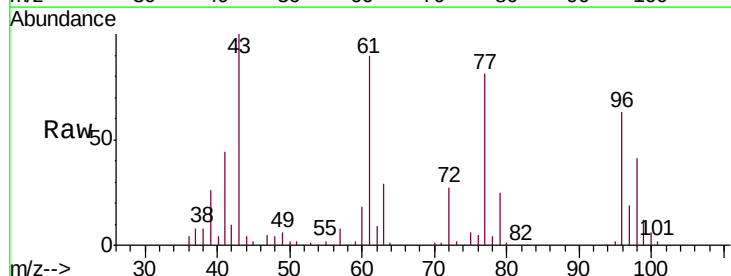
RT: 6.83 min Scan# 1630

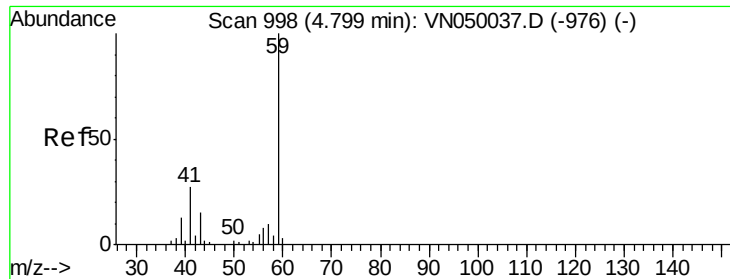
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion	96	Resp	165096
Ion Ratio	Lower	Upper	
96	100		
61	145.2	114.2	171.2
98	64.6	51.7	77.5





#23

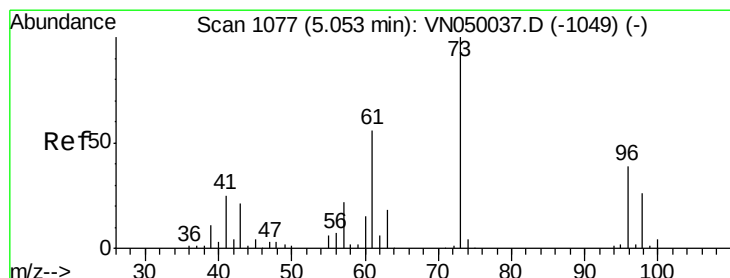
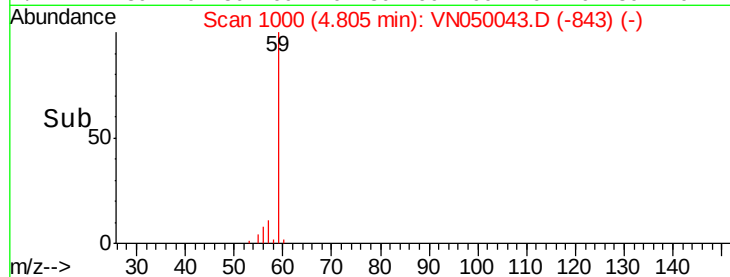
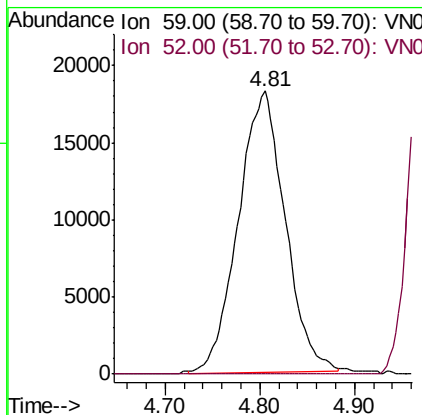
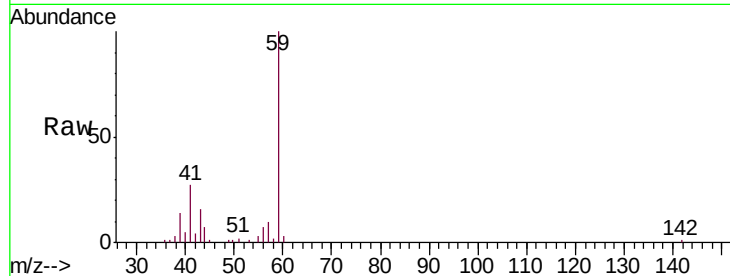
tert-Butyl Alcohol
 Concen: 104.61 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.1	0.1#

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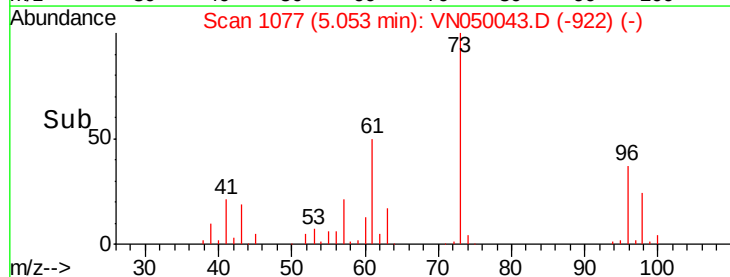
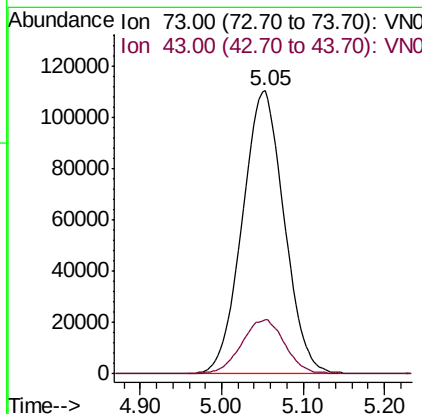
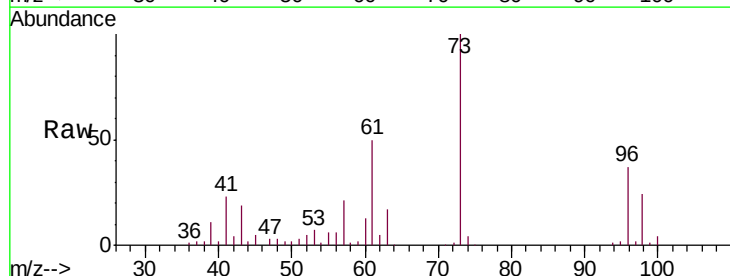
MMDadoda
 7/26/2018 3:54:12 PM

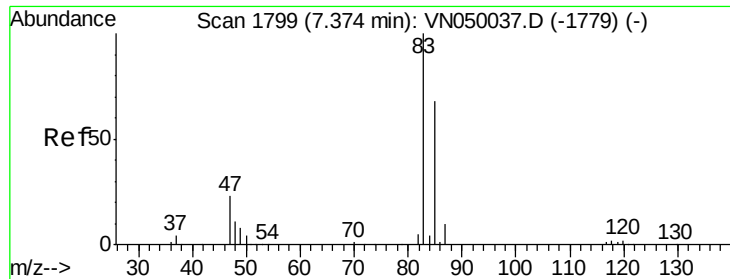


#24

Methyl tert-Butyl Ether
 Concen: 20.51 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	19.5	15.5	23.3





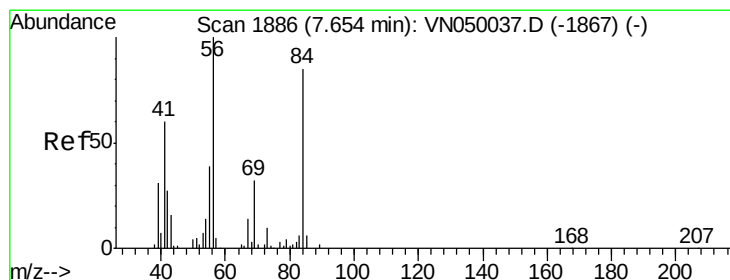
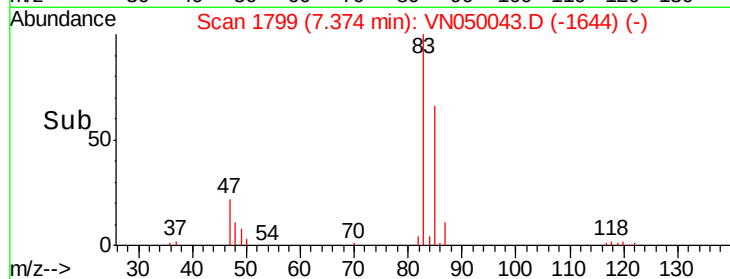
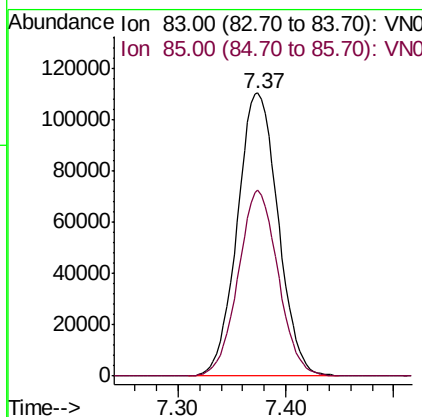
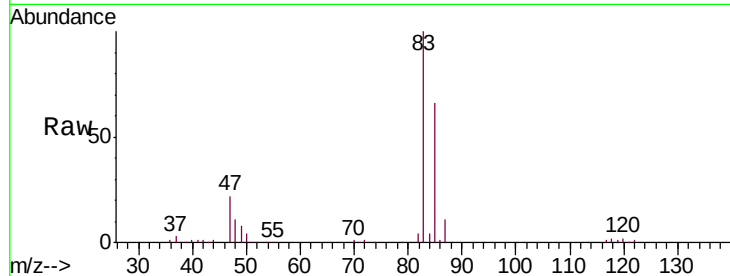
#25
Chloroform
Concen: 20.09 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	83	Resp	290423
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	52.1	78.1

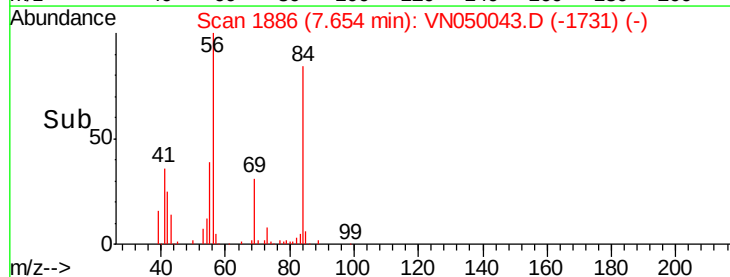
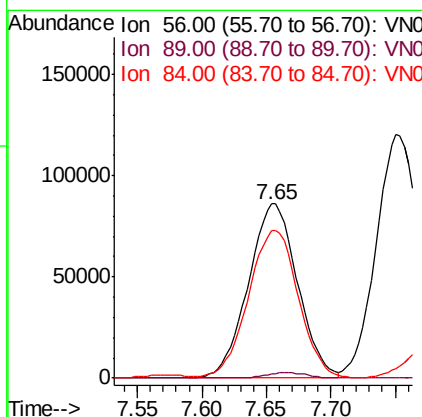
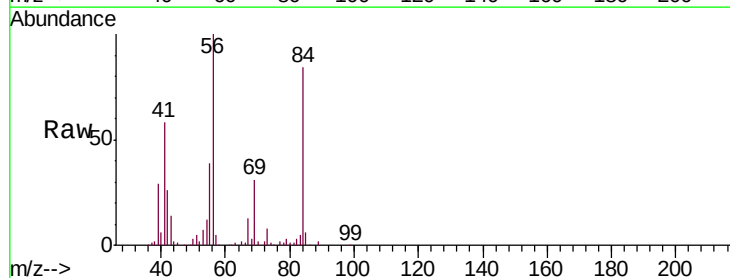
Manual Integrations
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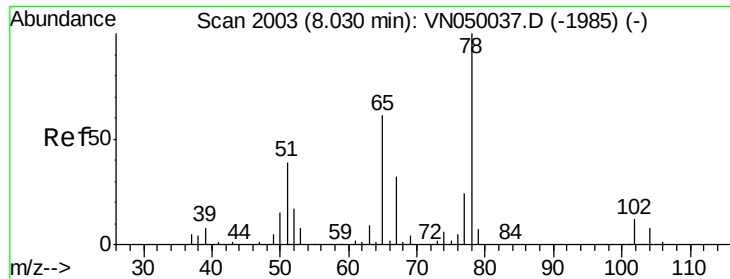
MMDadoda
7/26/2018 3:54:12 PM



#26
Cyclohexane
Concen: 20.13 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	56	Resp	228513
Ion Ratio	100	Lower	Upper
56	100		
89	2.7	3.0	4.4#
84	86.4	69.8	104.8





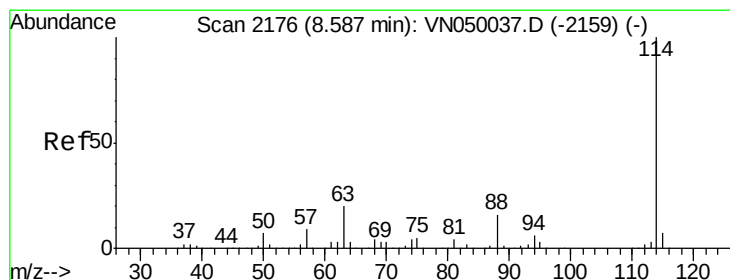
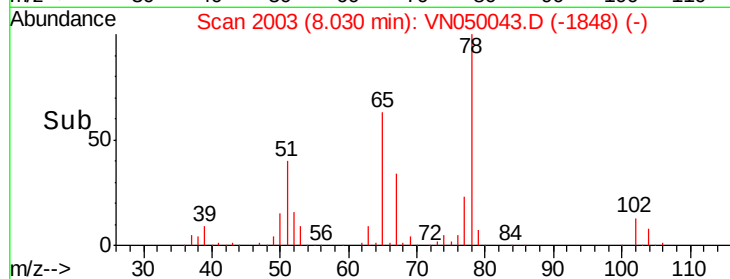
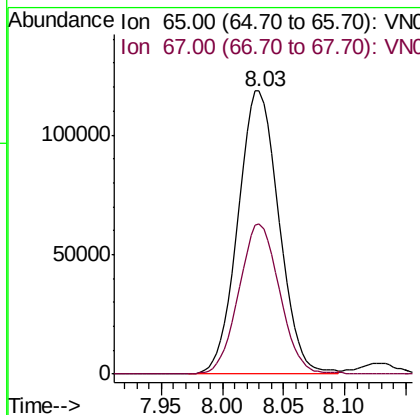
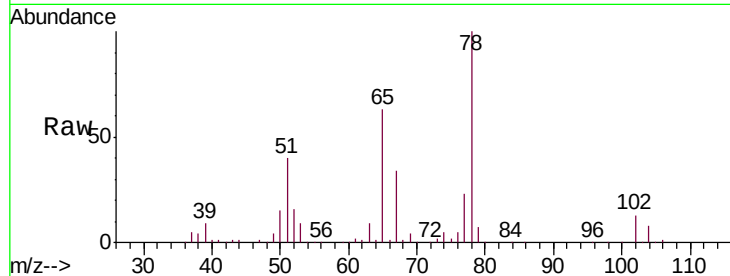
#27
 1,2-Dichloroethane-d4
 Concen: 30.79 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion: 65 Resp: 275364
 Ion Ratio Lower Upper
 65 100
 67 52.7 42.7 64.1

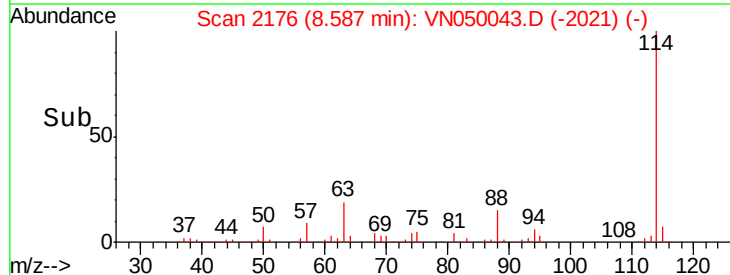
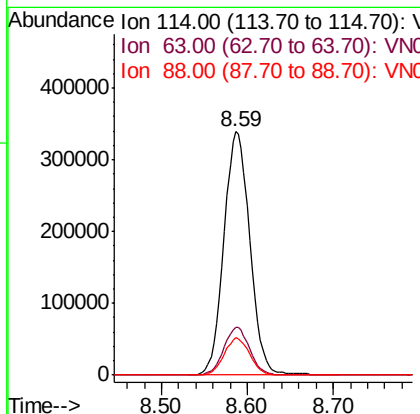
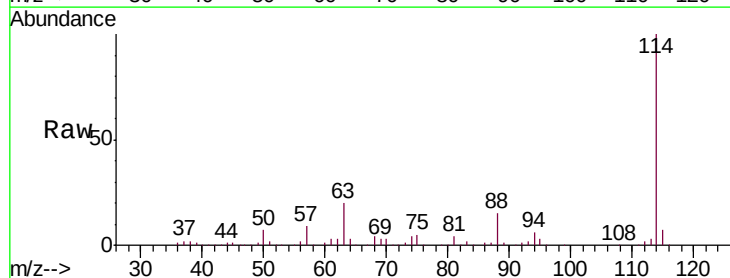
Manual Integrations
 APPROVED

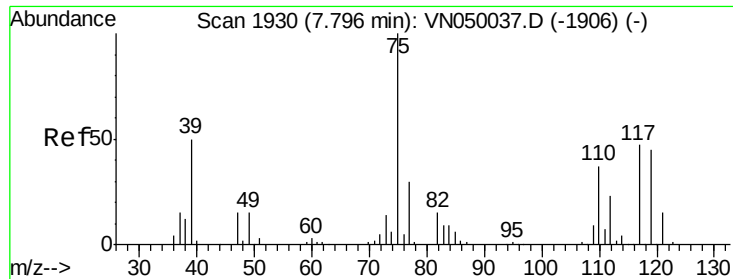
MMDadoda
 7/26/2018 3:54:12 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 114 Resp: 712767
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 15.1 12.3 18.5





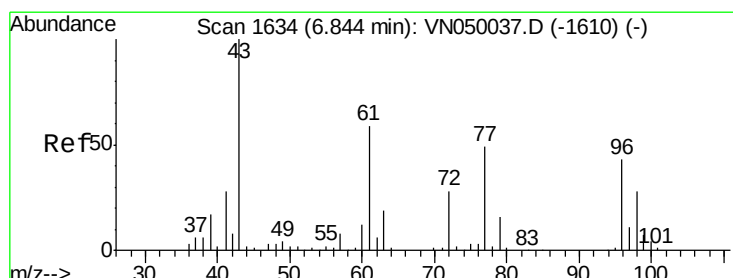
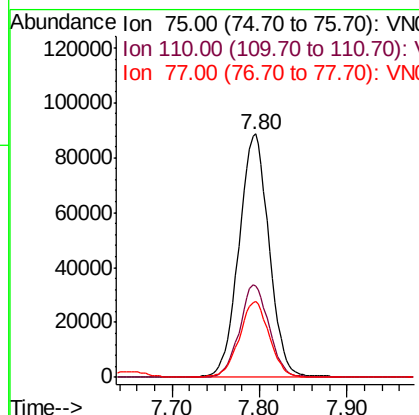
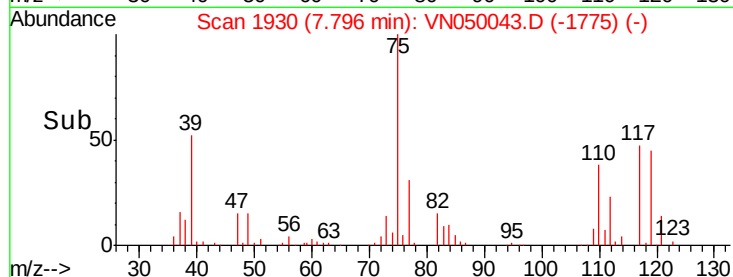
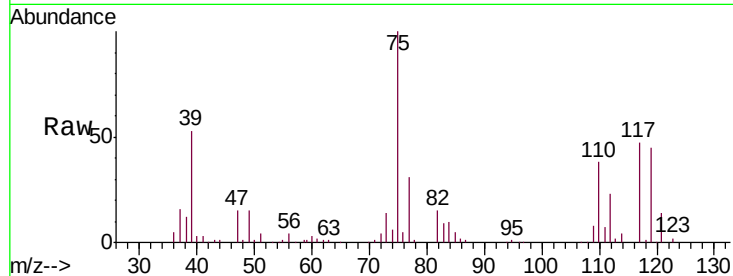
#29
 1,1-Dichloropropene
 Concen: 19.17 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.9	0.0	73.2
77	31.1	0.0	62.0

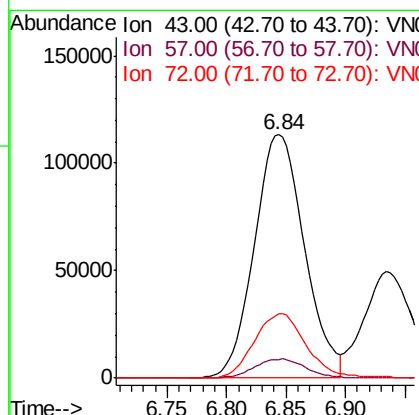
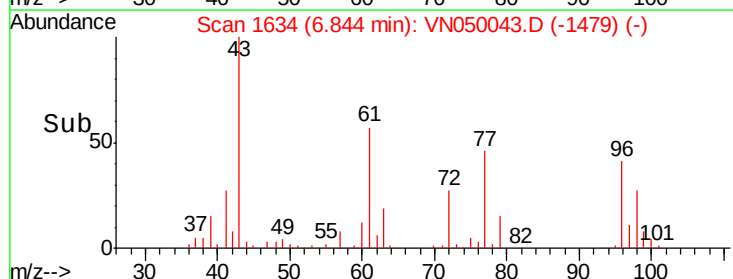
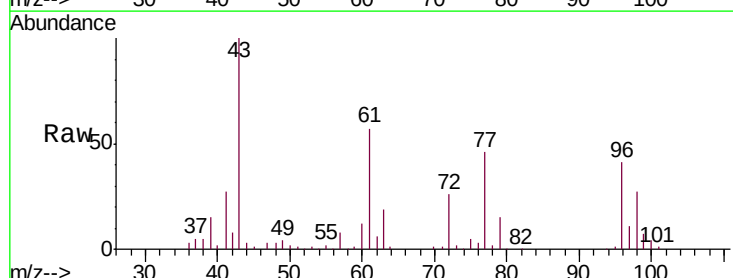
Manual Integrations
 APPROVED

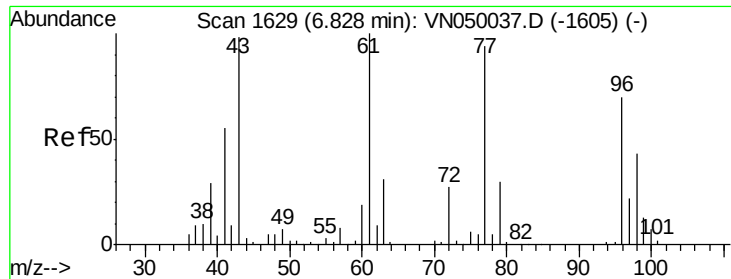
MMDadoda
 7/26/2018 3:54:12 PM



#30
 2-Butanone
 Concen: 94.87 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.7	21.4	32.0





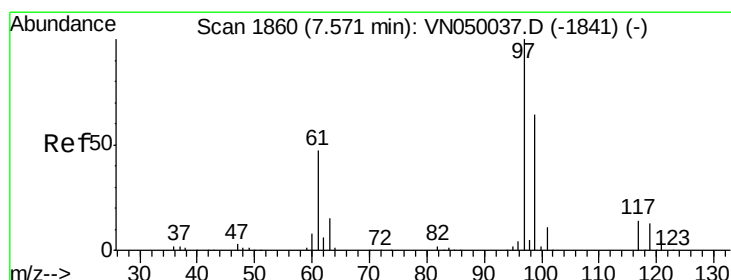
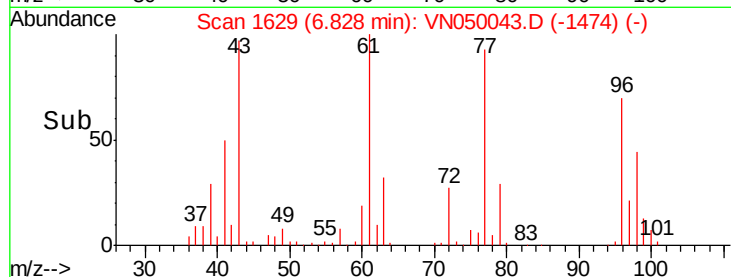
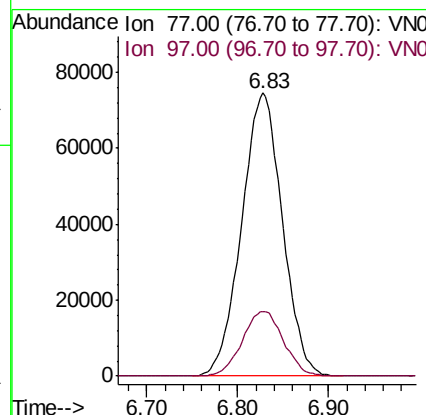
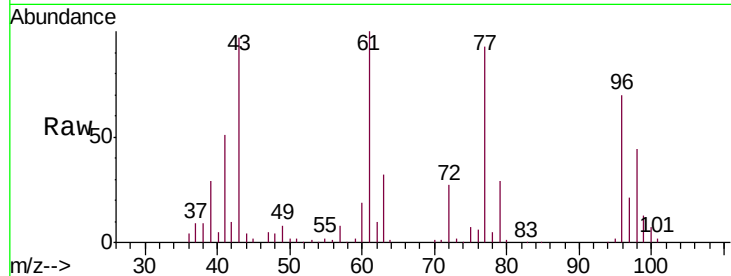
#31
 2,2-Dichloropropane
 Concen: 18.96 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.2	18.9	28.3

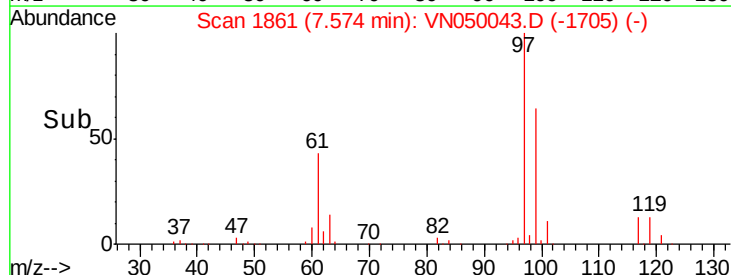
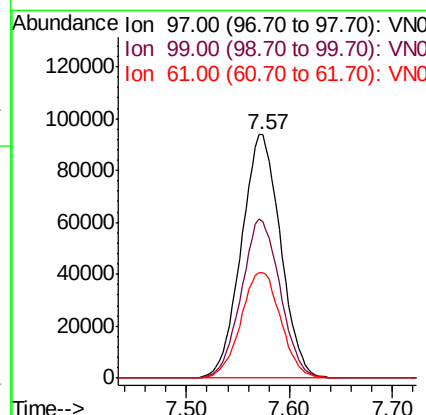
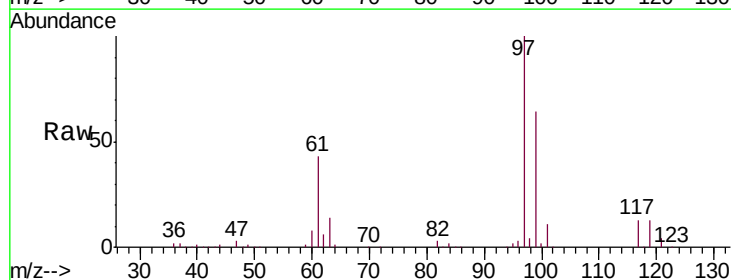
Manual Integrations
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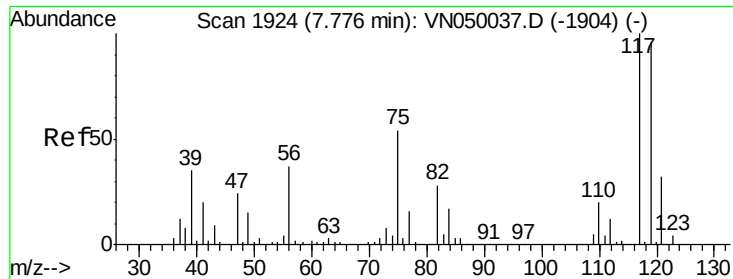
MMDadoda
 7/26/2018 3:54:12 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.02 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	44.4	35.3	52.9





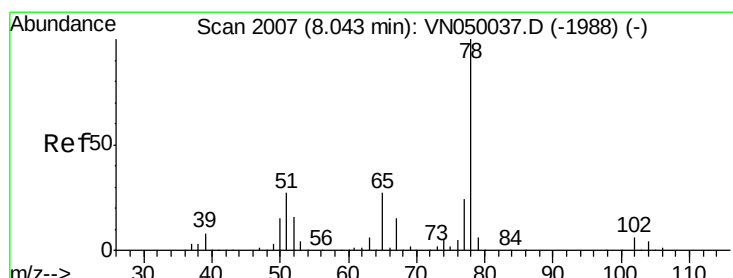
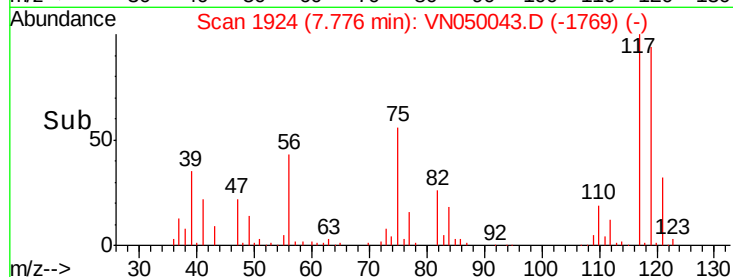
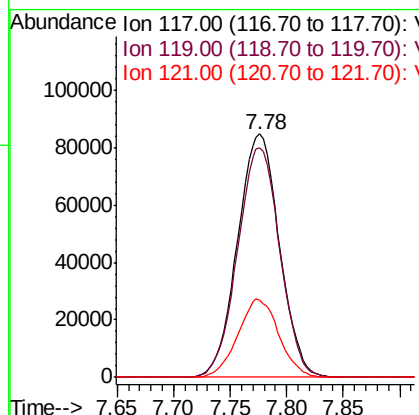
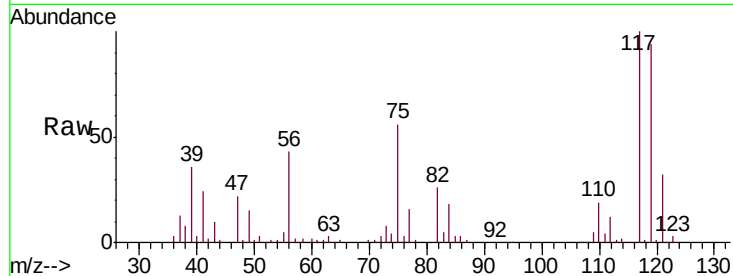
#33
Carbon Tetrachloride
Concen: 18.81 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	31.6	24.4	36.6

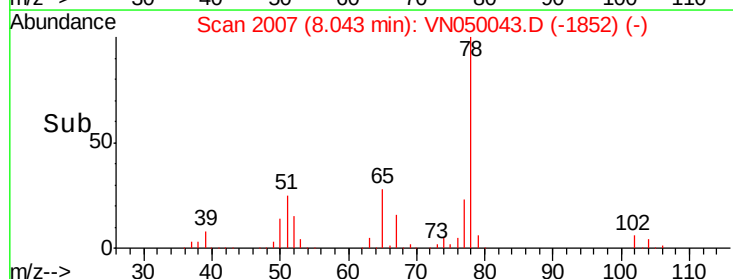
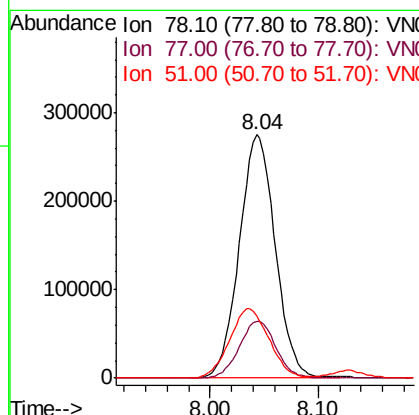
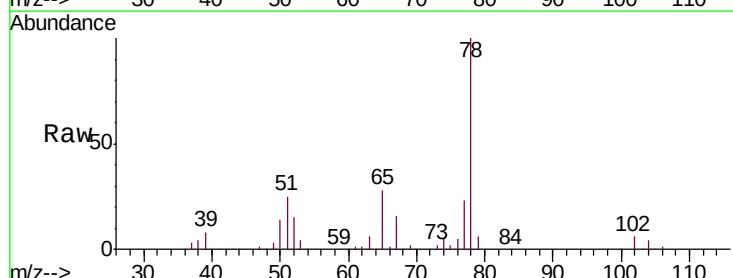
Manual Integrations
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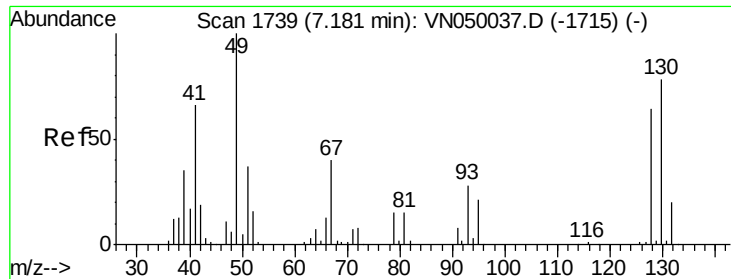
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#34
Benzene
Concen: 19.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
51	25.4	21.0	31.4





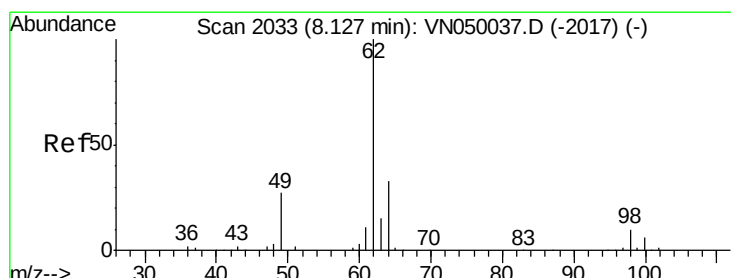
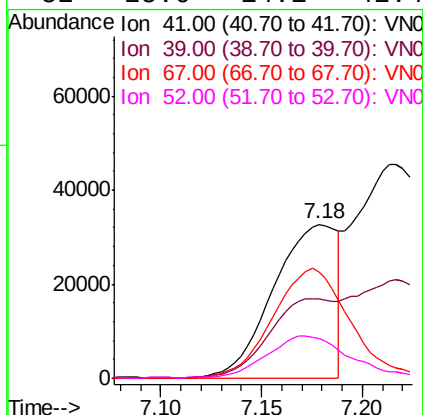
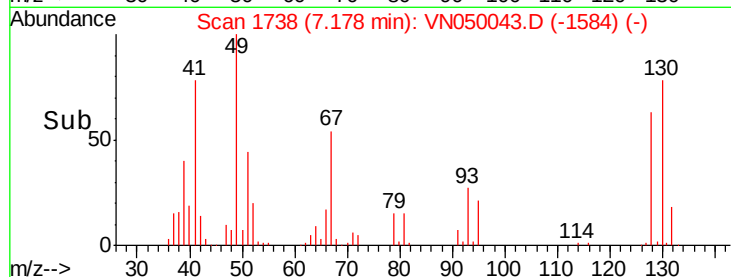
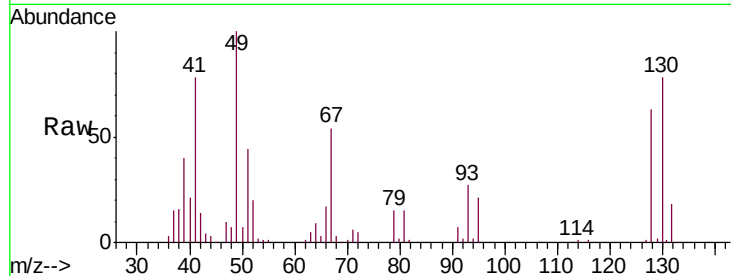
#35
Methacrylonitrile
Concen: 18.12 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	27.6	82.7	
67	69.5	35.1	105.5	
52	25.6	14.1	42.4	

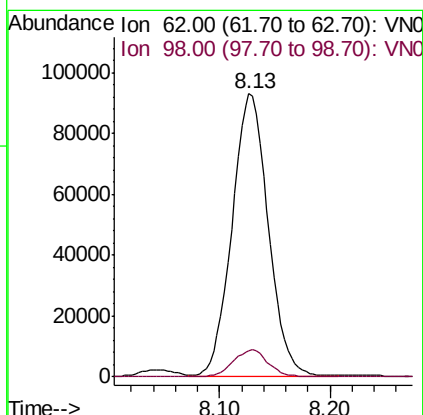
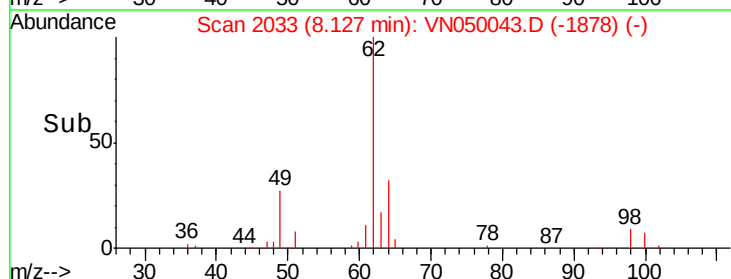
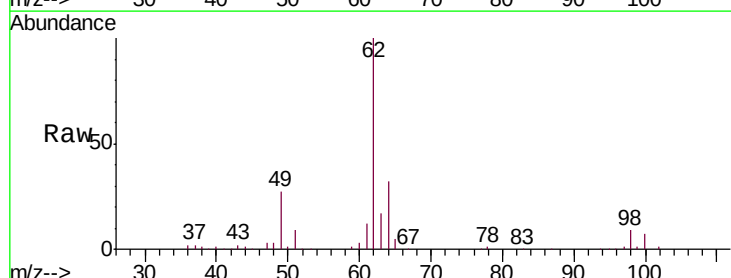
Manual Integrations
APPROVED

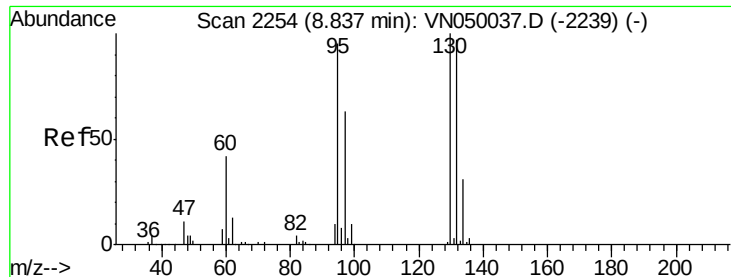
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.8	11.6	





#37

Trichloroethene

Concen: 19.23 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion:130 Resp: 169419

Ion Ratio Lower Upper

130 100

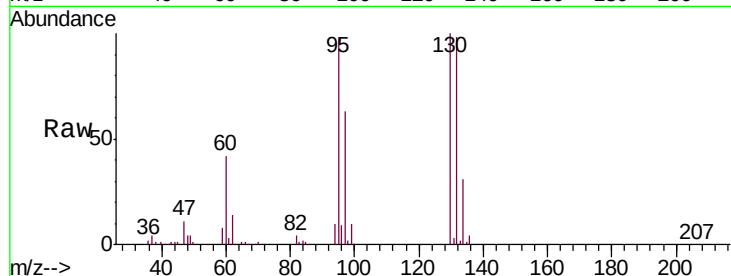
95 97.8 79.7 119.5

Manual Integrations

APPROVED

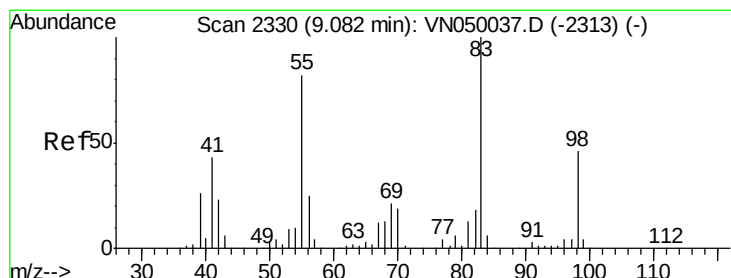
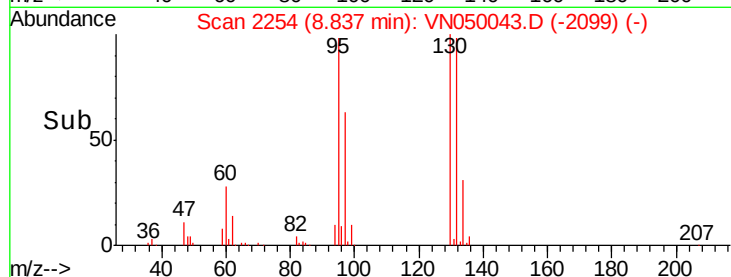
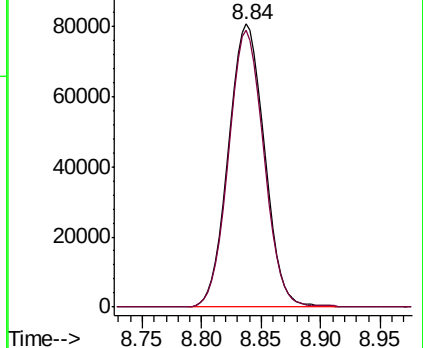
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.18 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

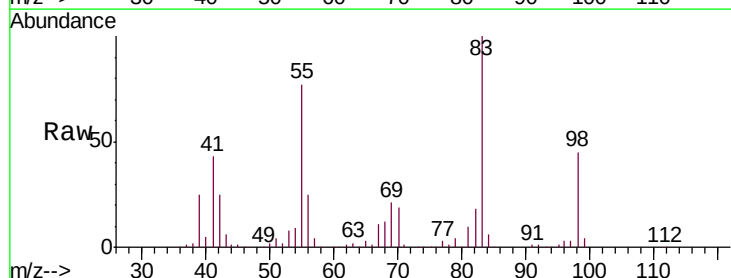
Tgt Ion: 83 Resp: 223636

Ion Ratio Lower Upper

83 100

55 77.0 39.3 117.8

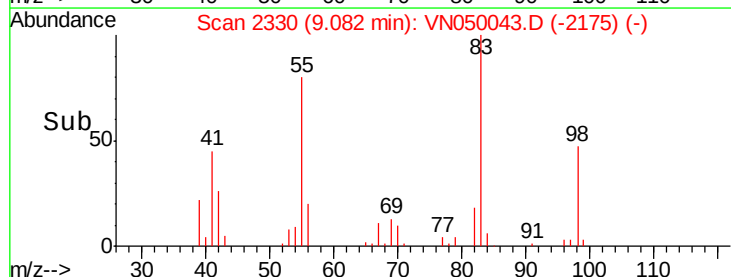
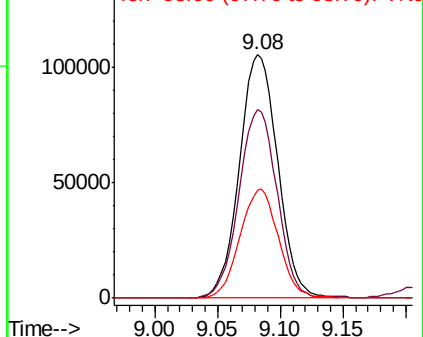
98 45.2 23.0 69.0

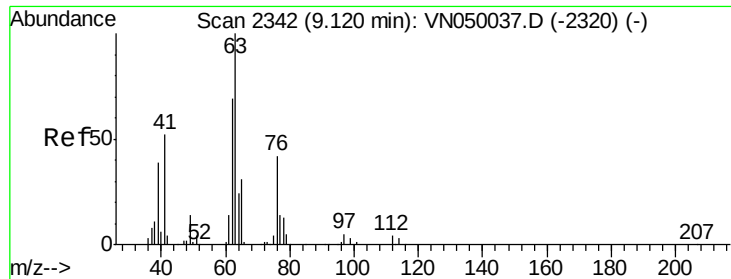


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.14 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 63 Resp: 169384

Ion Ratio Lower Upper

63 100

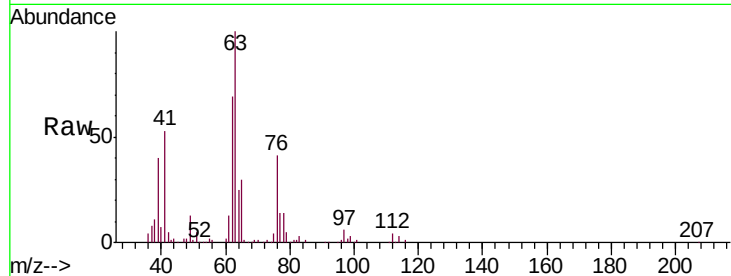
65 30.1 24.2 36.2

Manual Integrations

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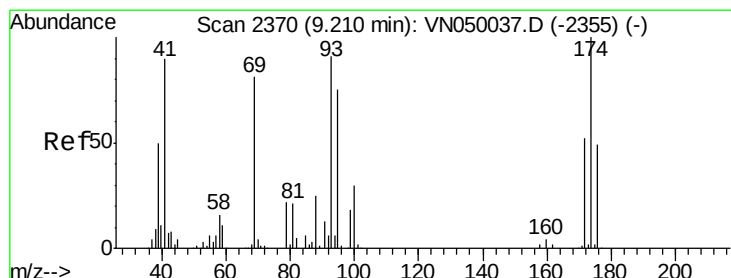
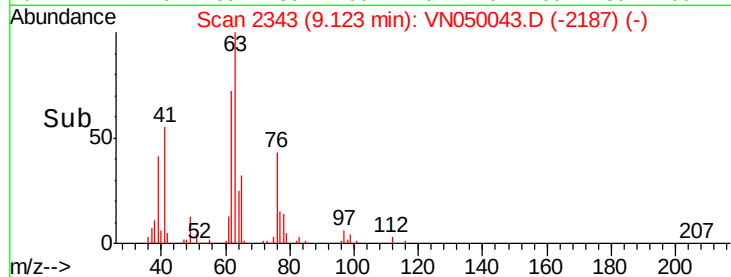
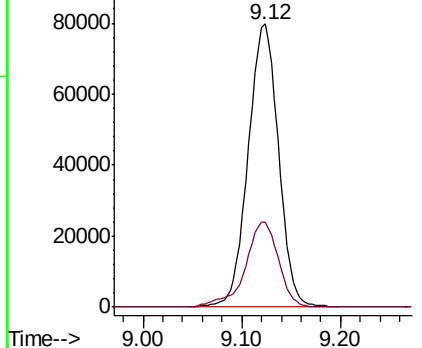
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.92 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

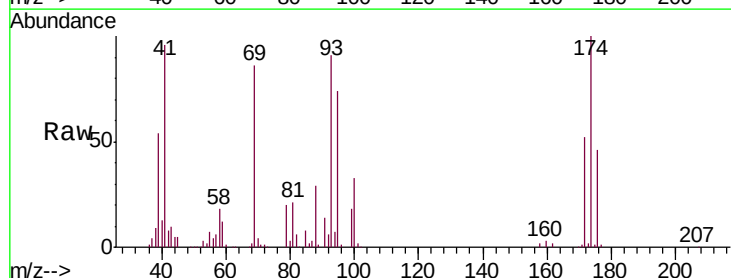
Tgt Ion: 93 Resp: 103469

Ion Ratio Lower Upper

93 100

95 82.8 0.0 165.6

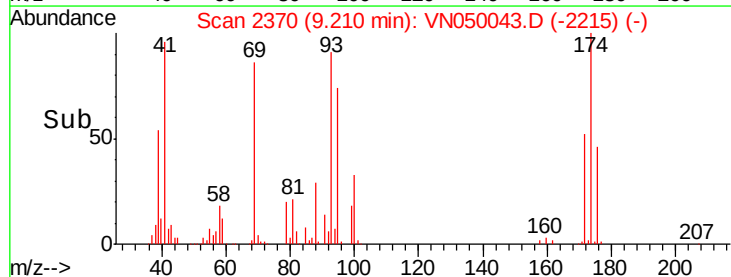
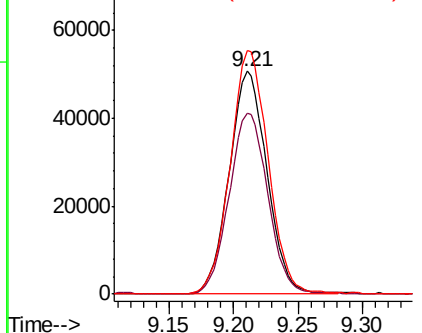
174 109.7 0.0 223.2

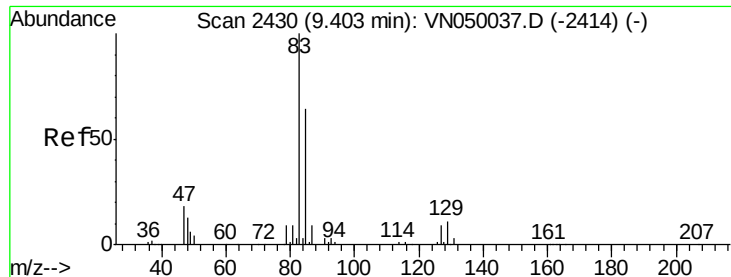


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.51 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

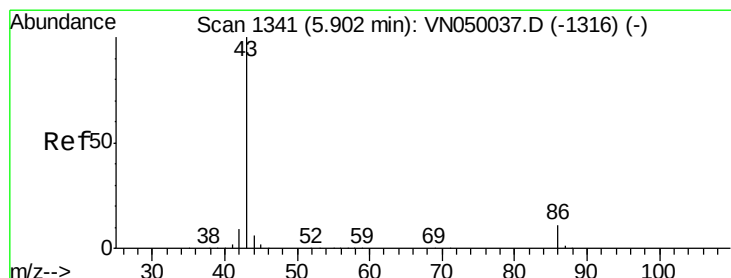
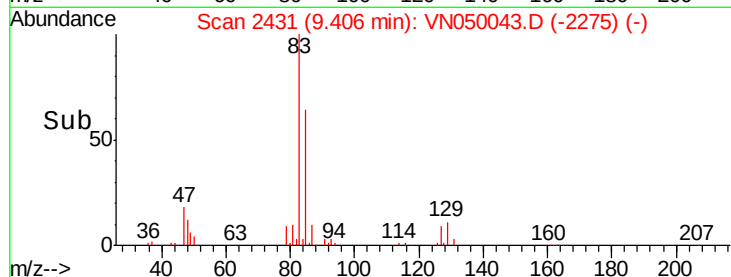
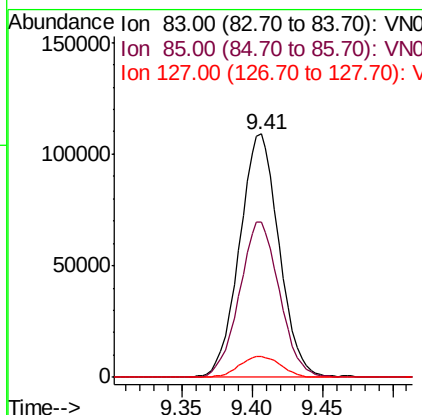
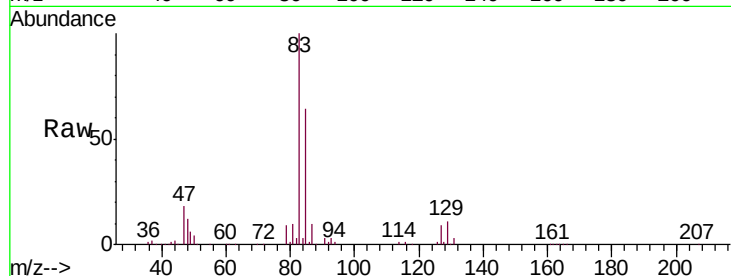
ClientSampleId :

VN0725WBS01

Tot Ion:	83	Resp:	213512
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.6	78.8
127	8.5	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 94.76 ug/l

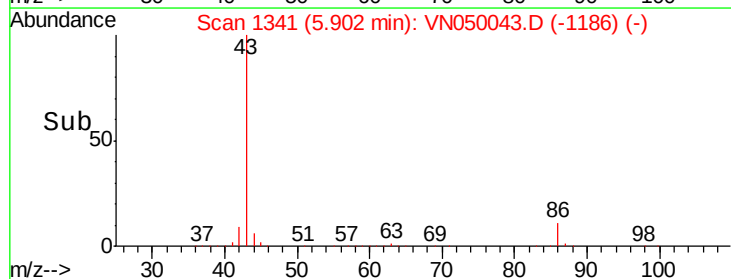
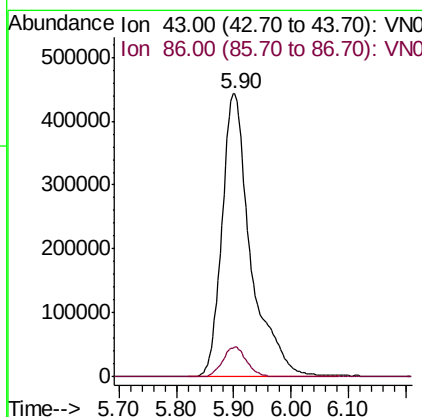
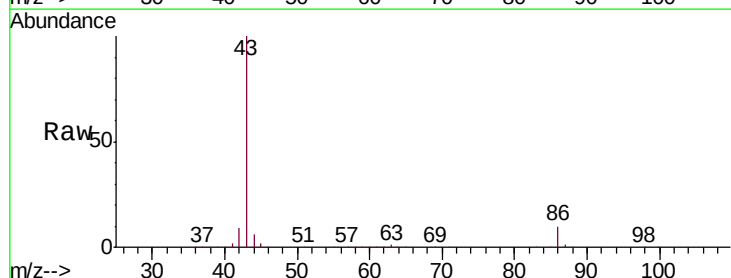
RT: 5.90 min Scan# 1341

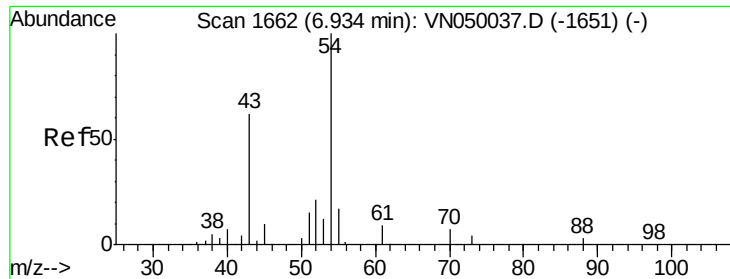
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	43	Resp:	1547803
Ion Ratio	Lower	Upper	
43	100		
86	8.8	7.3	10.9





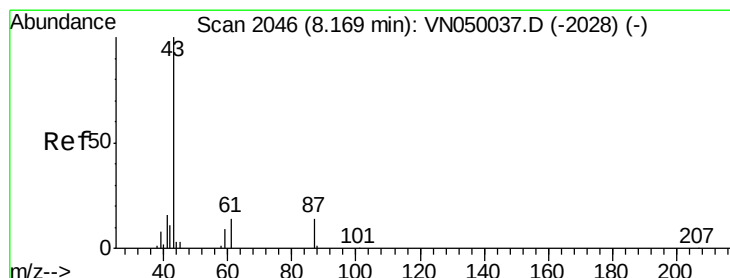
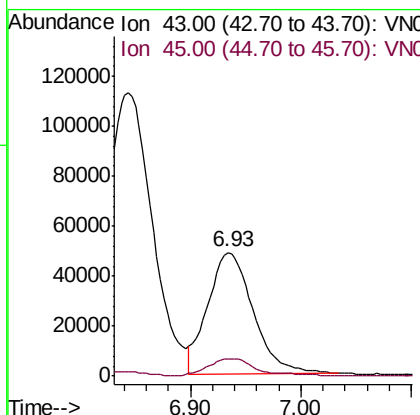
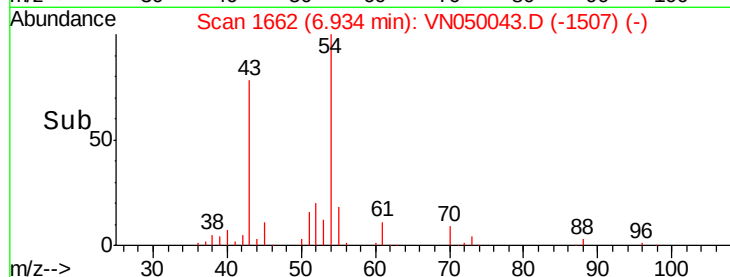
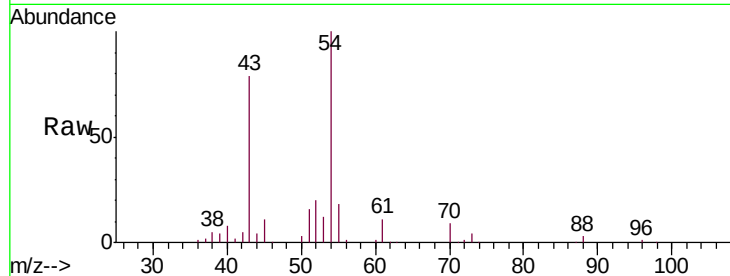
#43
Ethyl Acetate
Concen: 19.08 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion: 43 Resp: 138276
Ion Ratio Lower Upper
43 100
45 13.0 13.0 19.6#

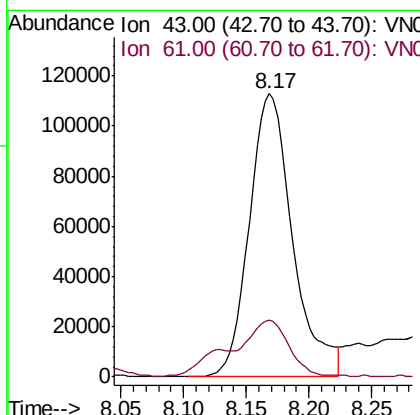
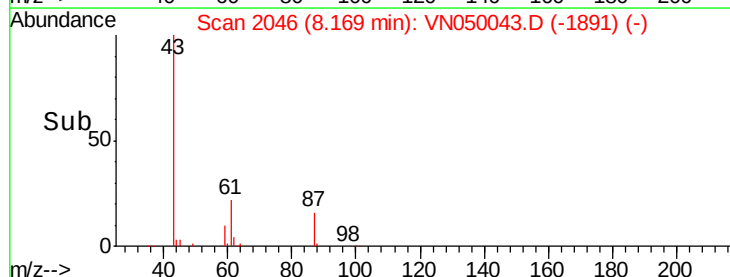
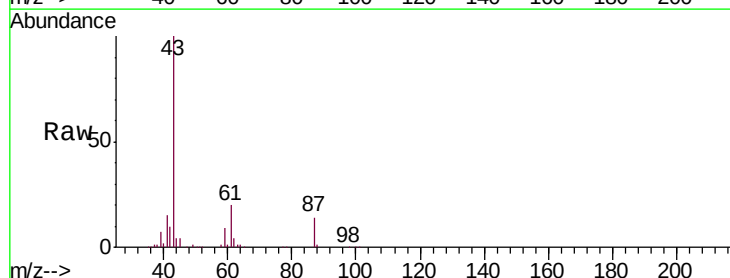
Manual Integrations
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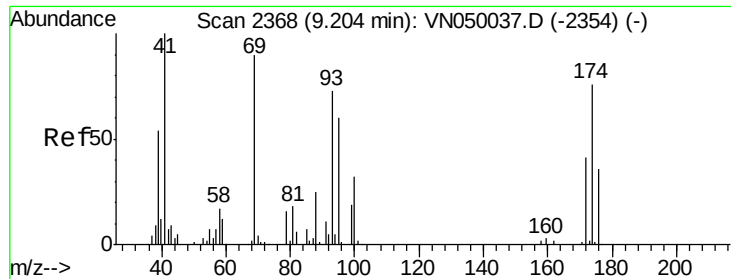
MMDadoda
7/26/2018 3:54:12 PM



#44
Isopropyl Acetate
Concen: 20.15 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 43 Resp: 270611
Ion Ratio Lower Upper
43 100
61 18.4 16.4 24.6





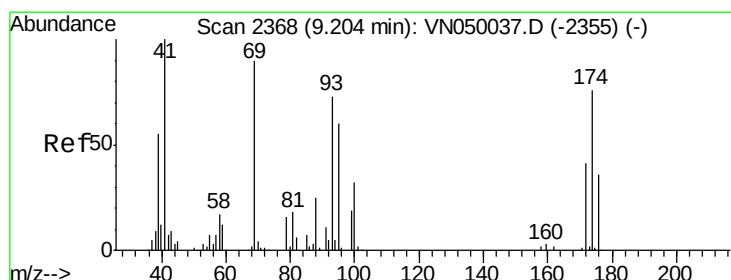
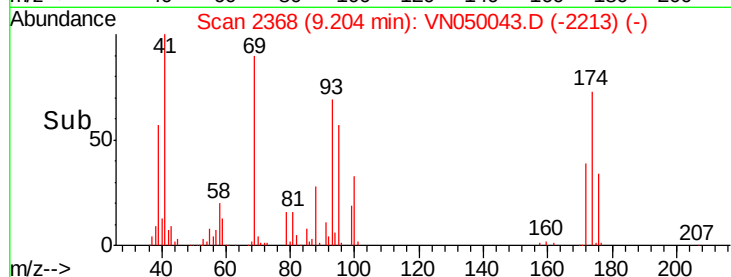
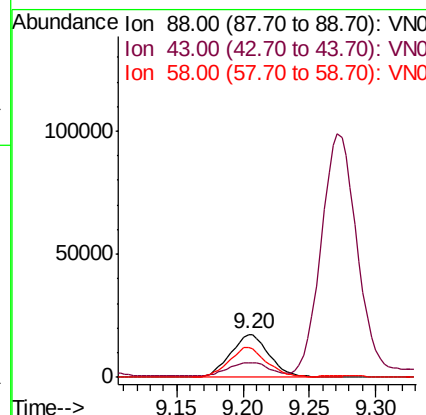
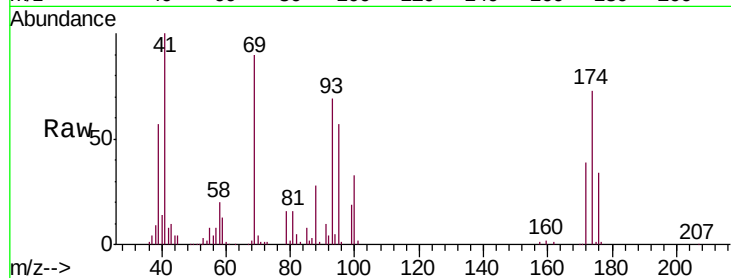
#45
 1,4-Dioxane
 Concen: 402.00 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.5	26.9	40.3	
58	68.0	53.6	80.4	

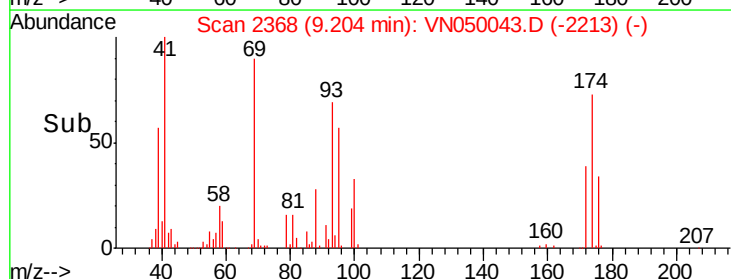
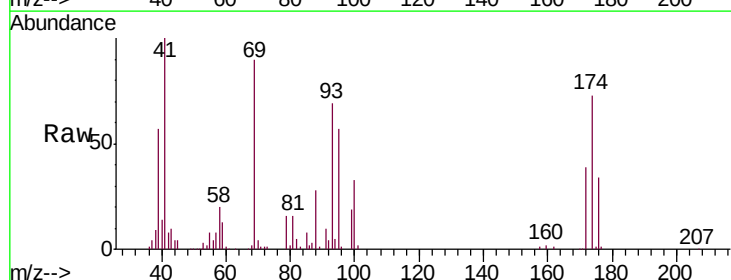
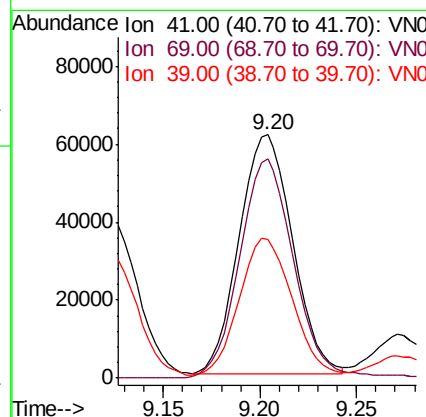
Manual Integrations
 APPROVED

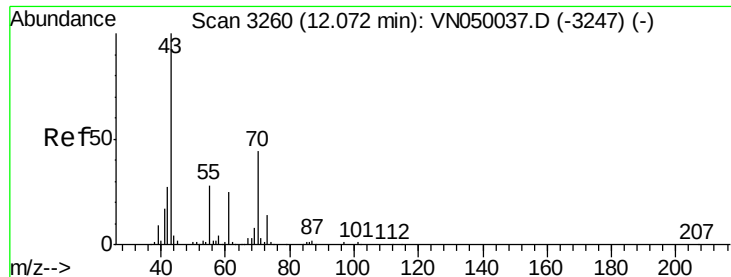
MMDadoda
 7/26/2018 3:54:12 PM



#46
 Methyl methacrylate
 Concen: 18.10 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.3	44.0	132.1	
39	56.9	27.0	80.8	





#47

n-amvl Acetate

Concen: 17.84 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 43 Resp: 186342

Ion Ratio Lower Upper

43 100

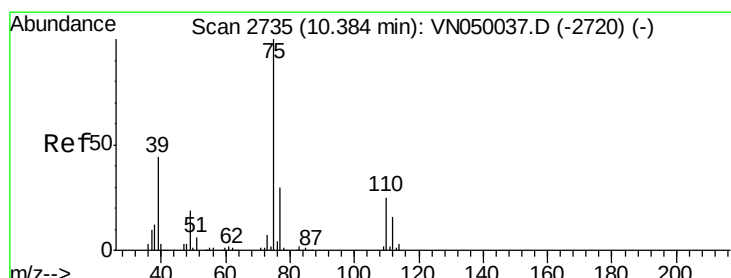
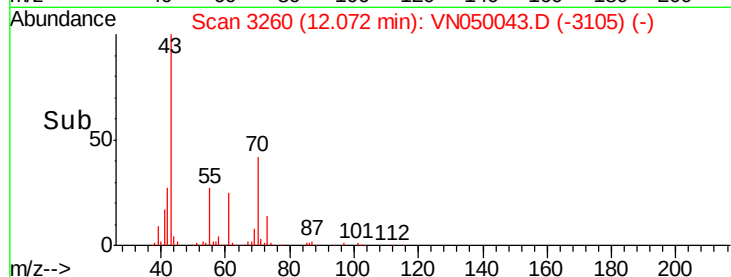
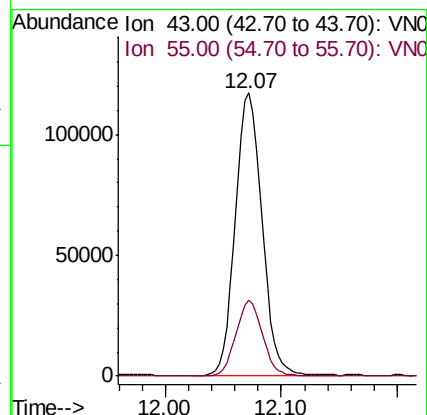
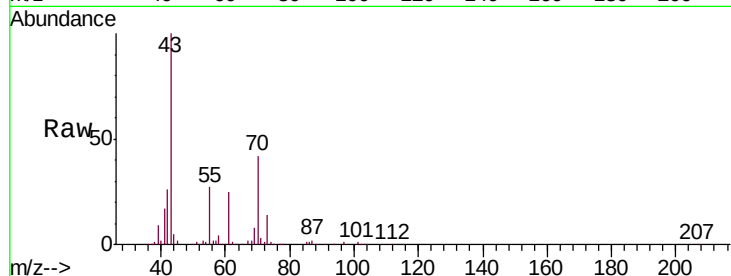
55 26.6 21.0 31.4

Manual Integrations

APPROVED

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7/26/2018 3:54:12 PM



#48

t-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050043.D

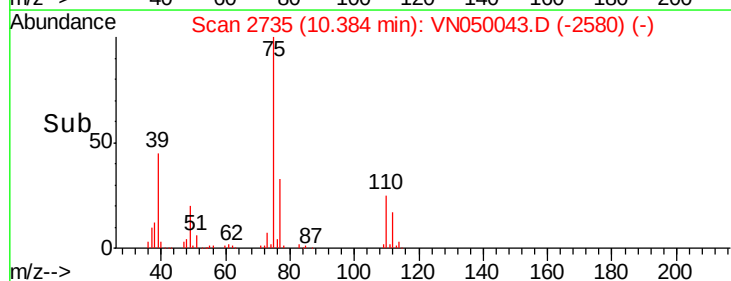
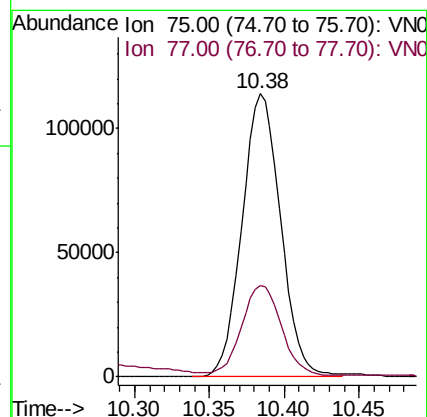
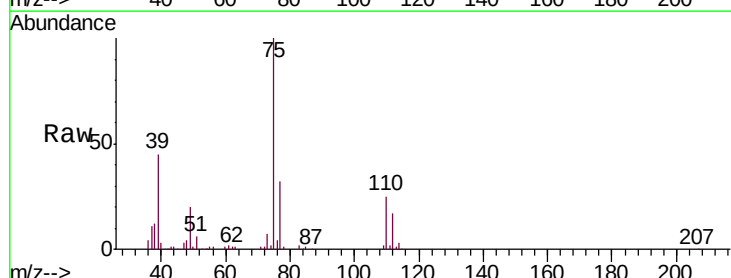
Acq: 25 Jul 2018 12:59

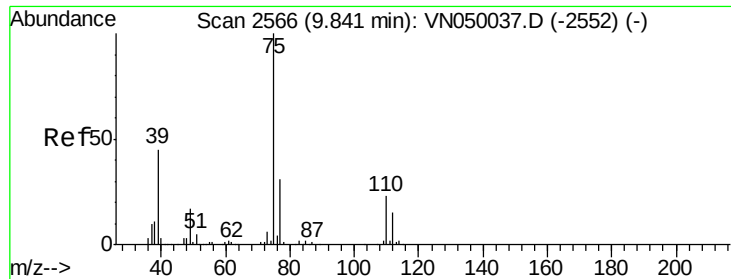
Tgt Ion: 75 Resp: 205517

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0





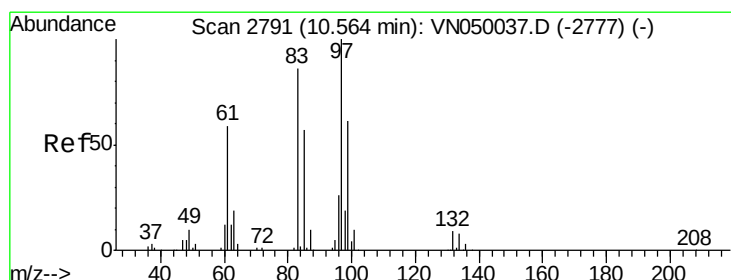
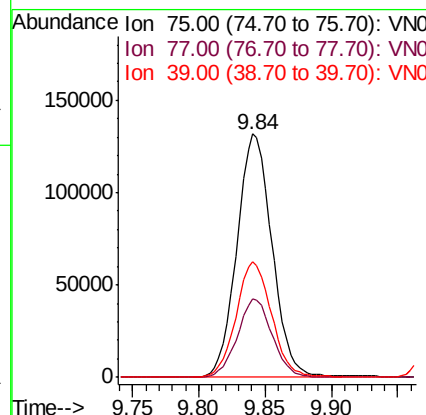
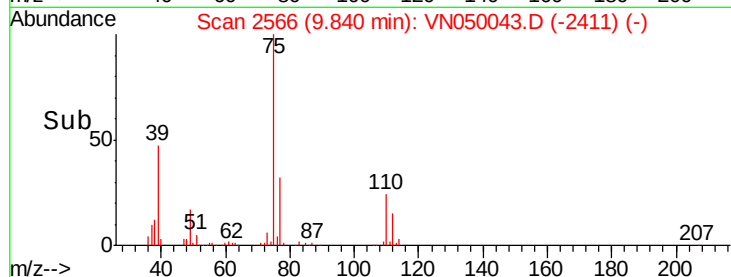
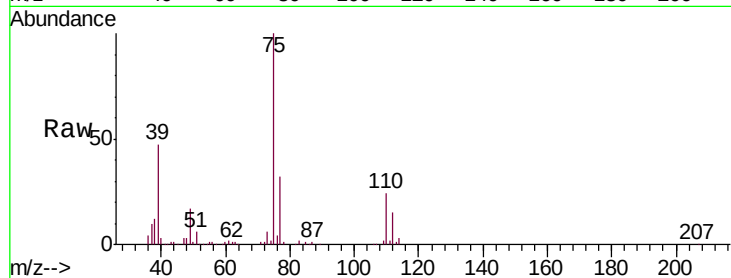
#49
 cis-1,3-Dichloropropene
 Concen: 18.80 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	47.2	36.3	54.5

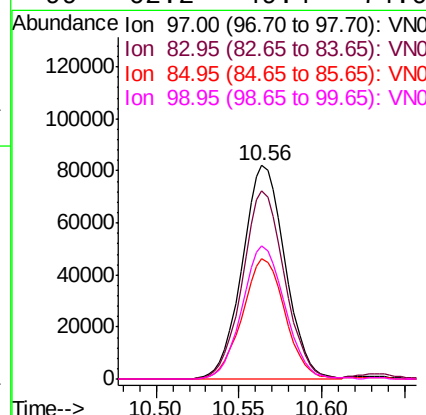
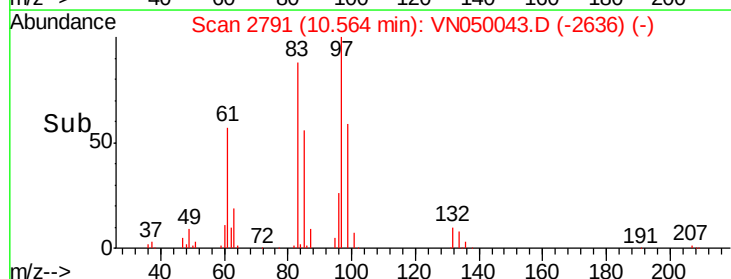
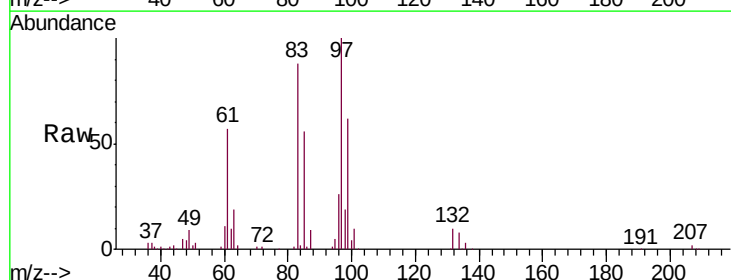
Manual Integrations
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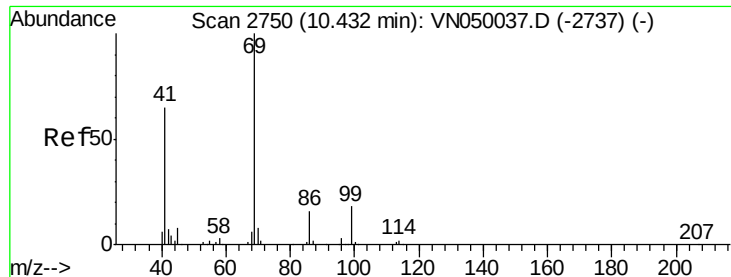
MMDadoda
 7/26/2018 3:54:12 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.1	102.1
85	56.1	45.4	68.2
99	62.2	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.47 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

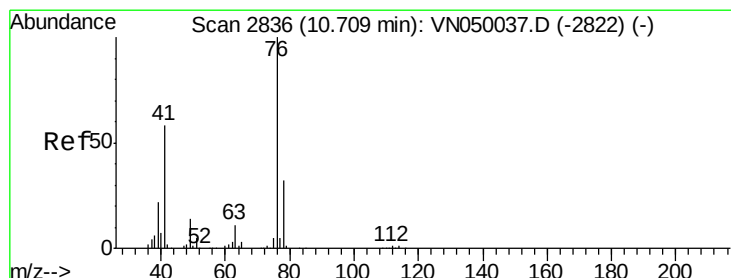
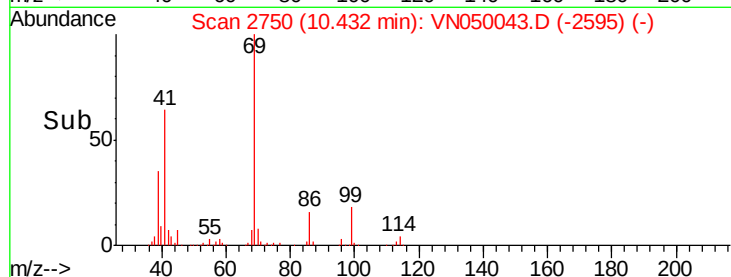
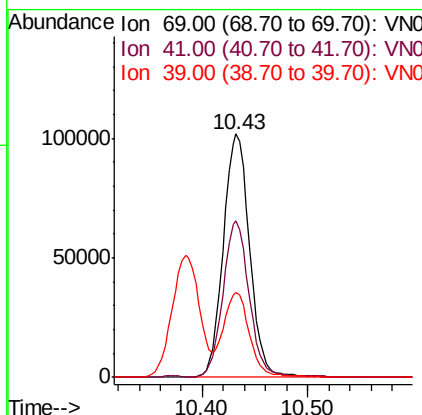
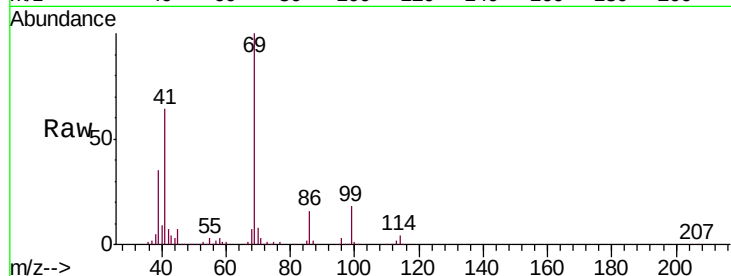
ClientSampleId :

VN0725WBS01

Tot Ion:	69	Resp:	175983
Ion	Ratio	Lower	Upper
69	100		
41	64.1	31.9	95.9
39	34.7	16.7	50.1

Manual Integrations
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7/26/2018 3:54:12 PM



#52

1,3-Dichloropropane

Concen: 18.72 ug/l

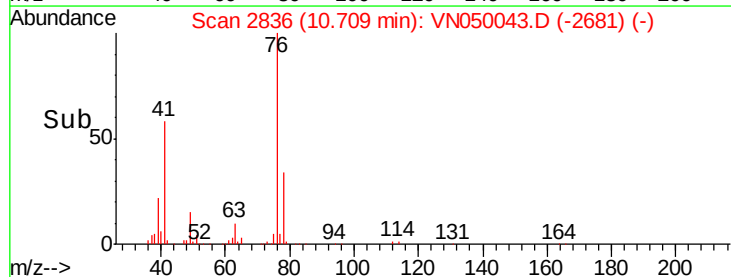
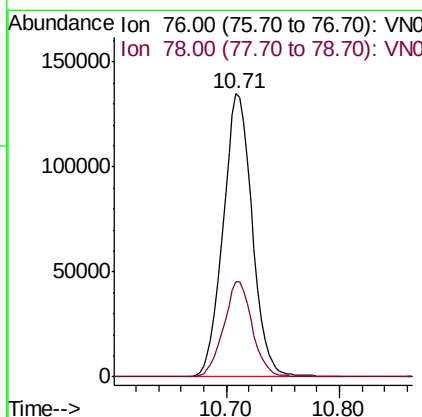
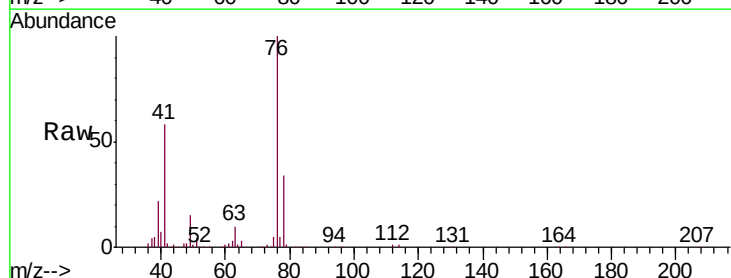
RT: 10.71 min Scan# 2836

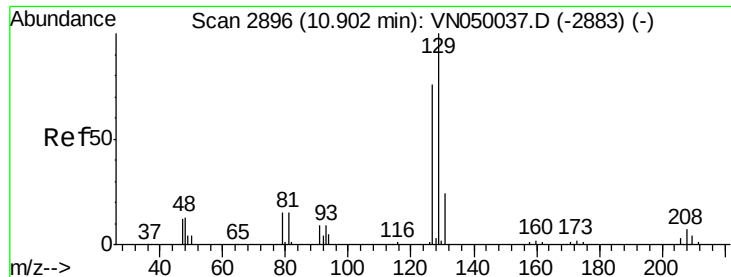
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	76	Resp:	241373
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	65.6





#53

Dibromochloromethane

Concen: 18.36 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion:129 Resp: 163558

Ion Ratio Lower Upper

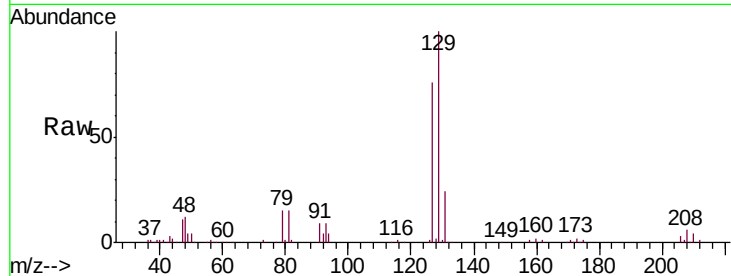
129 100

127 76.7 38.1 114.5

Manual Integrations
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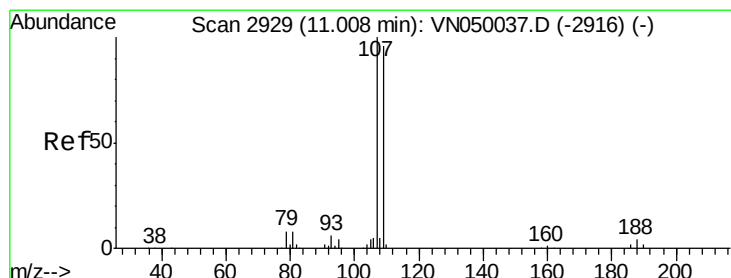
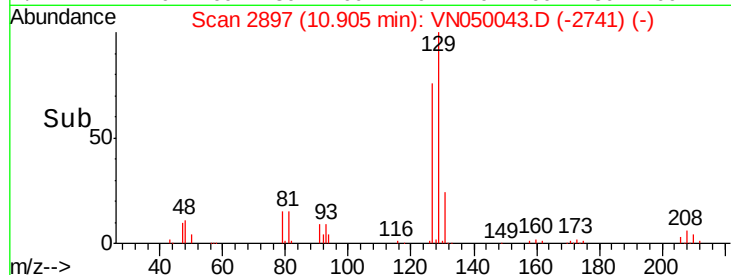
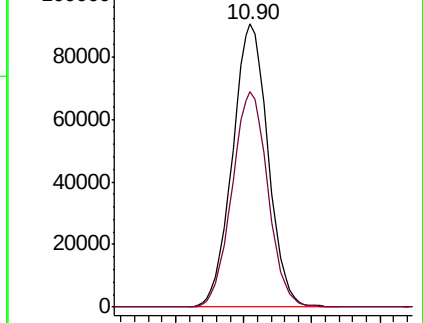
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.84 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050043.D

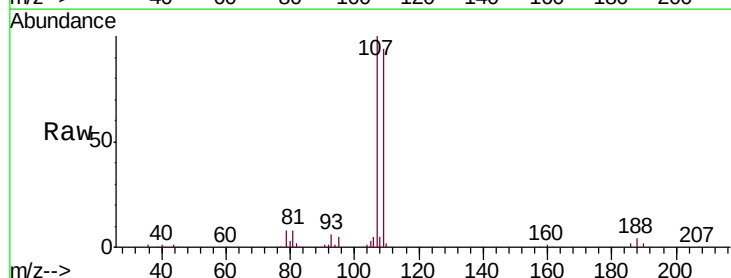
Acq: 25 Jul 2018 12:59

Tgt Ion:107 Resp: 144879

Ion Ratio Lower Upper

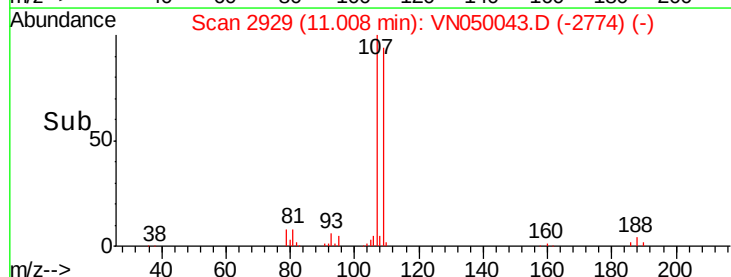
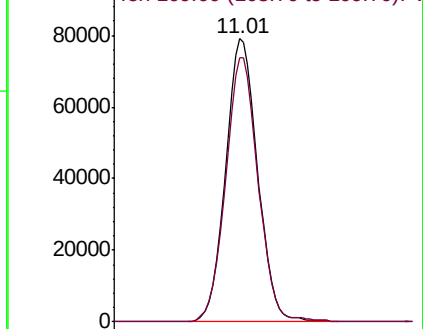
107 100

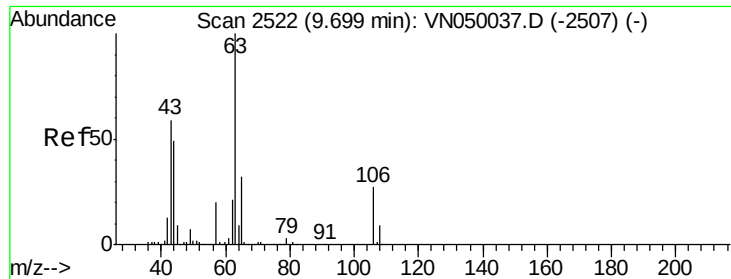
109 93.8 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





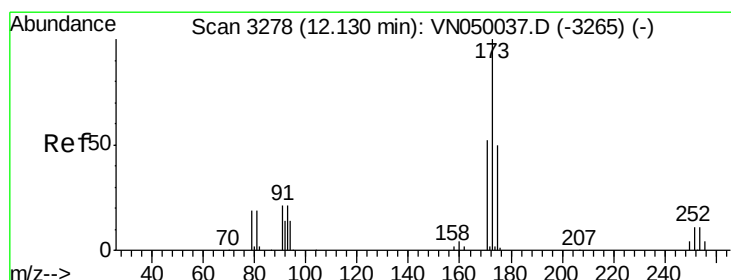
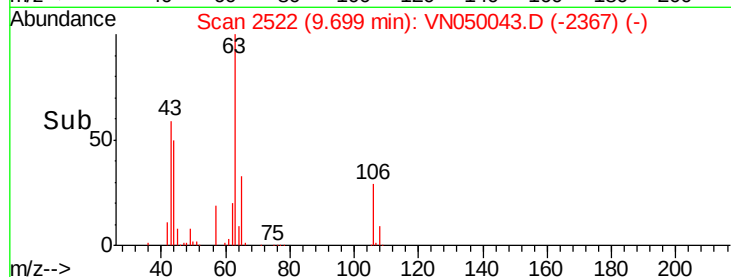
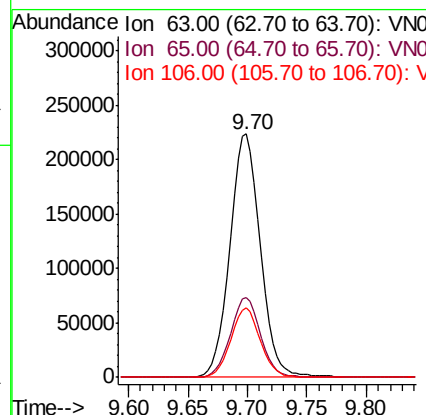
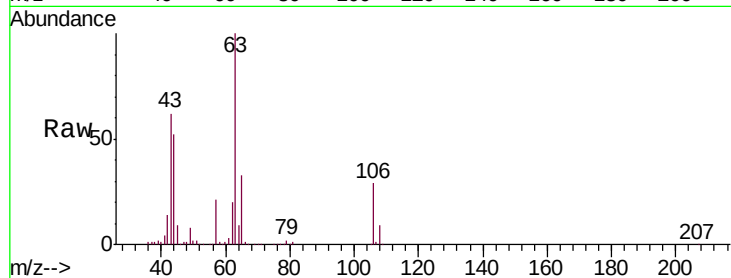
#55
2-Chloroethyl vinyl ether
Concen: 91.91 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	27.7	21.8	32.6

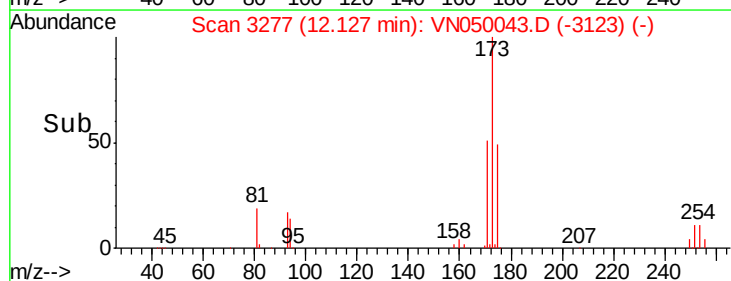
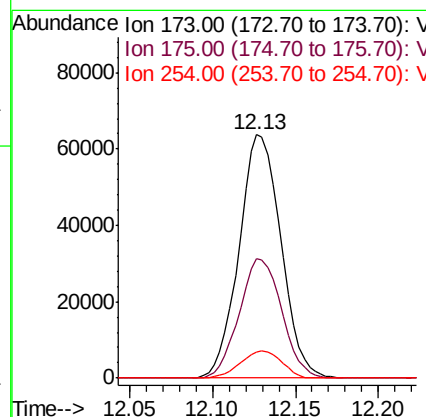
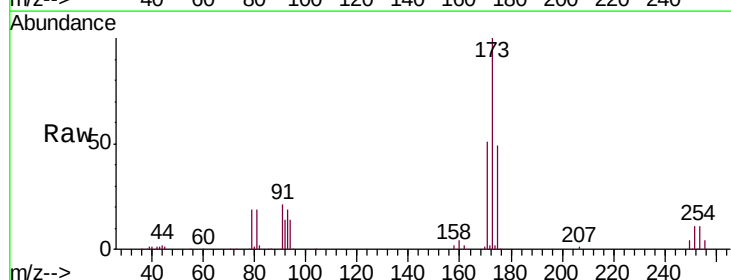
Manual Integrations
APPROVED

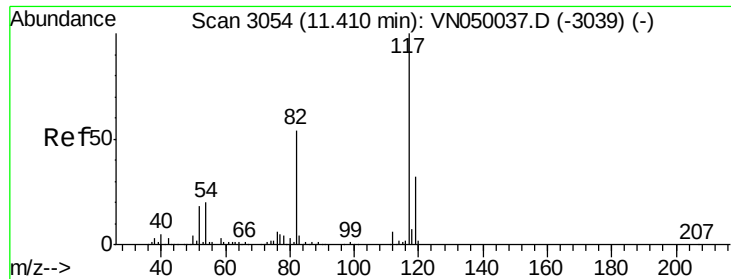
MMDadoda
7/26/2018 3:54:12 PM



#56
Bromoform
Concen: 17.86 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	10.9	8.8	13.2





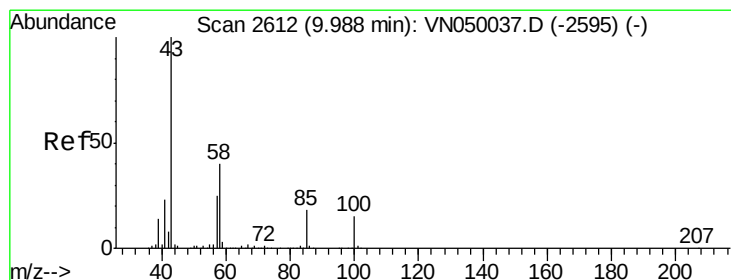
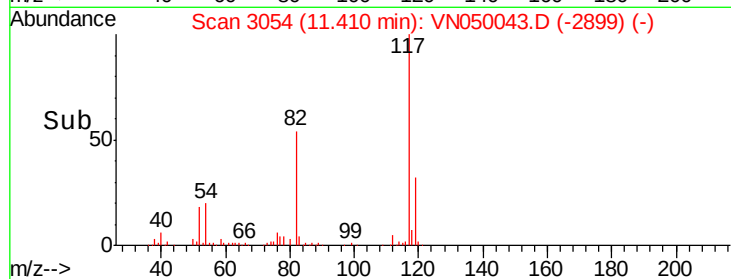
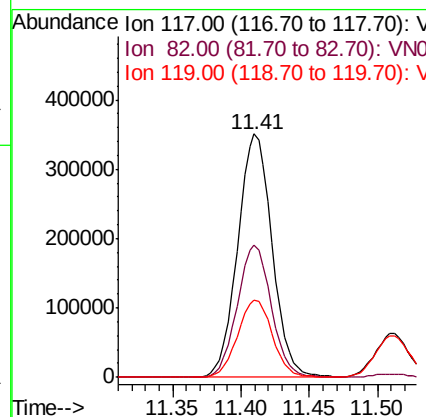
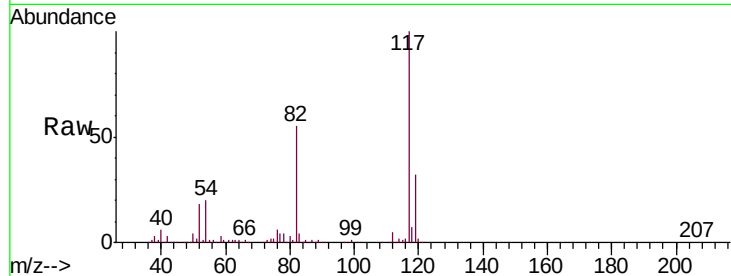
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.0	42.4	63.6
119	32.1	25.4	38.0

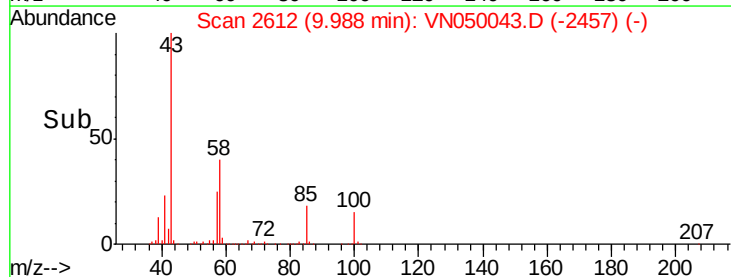
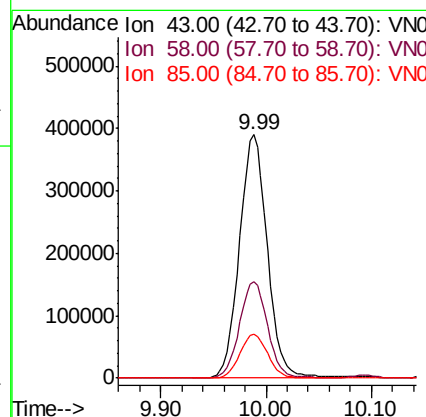
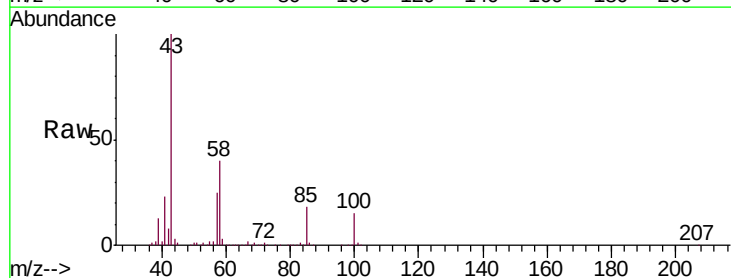
Manual Integrations
APPROVED

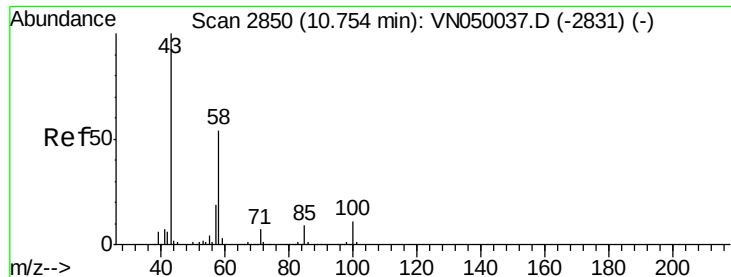
MMDadoda
7/26/2018 3:54:12 PM



#58
4-Methyl-2-Pentanone
Concen: 99.86 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	40.2	31.2	46.8
85	18.1	14.4	21.6





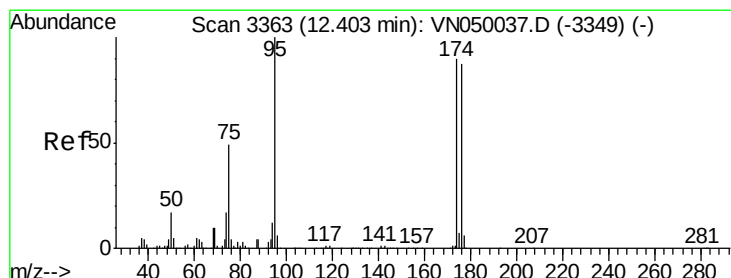
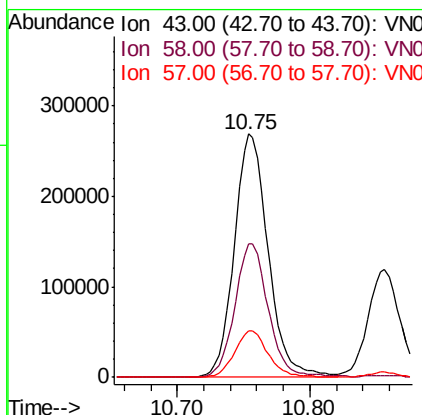
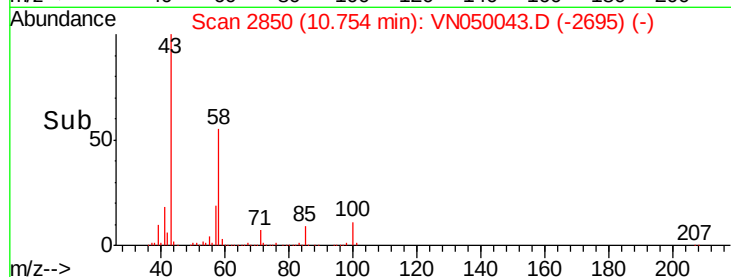
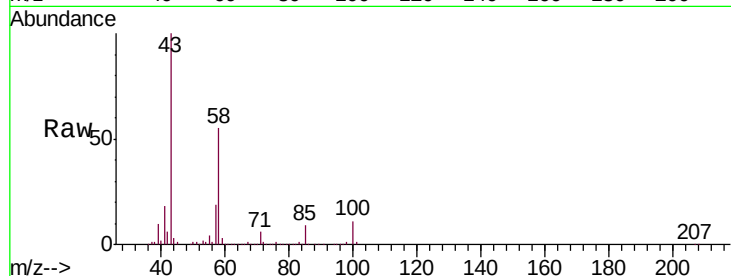
#59
2-Hexanone
Concen: 97.40 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.8	65.8
57	19.1	15.1	22.7

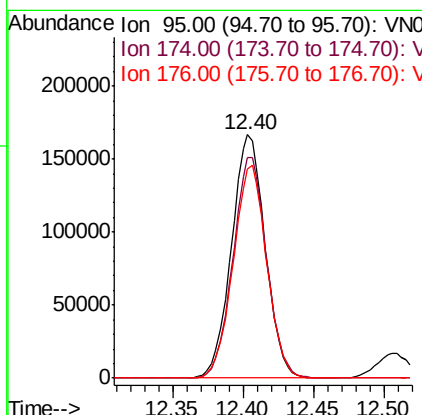
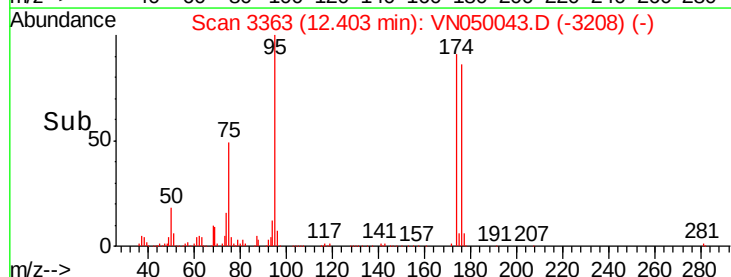
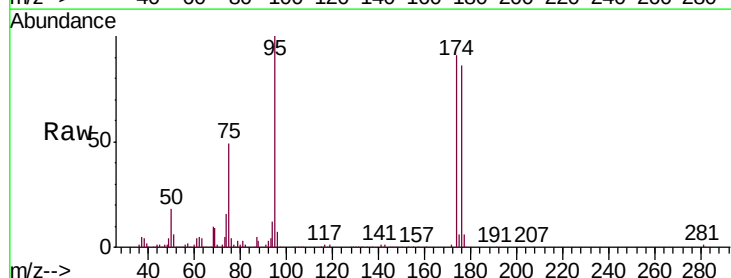
Manual Integrations
APPROVED

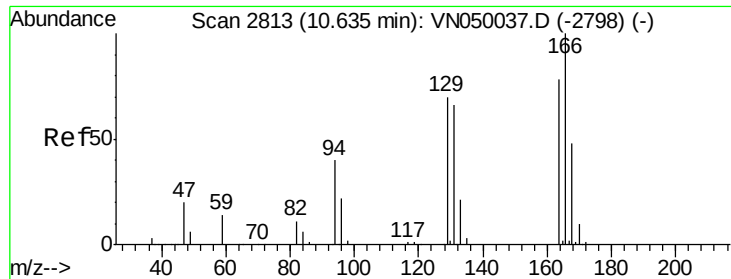
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	72.3	108.5
176	87.2	70.0	105.0





#61

Tetrachloroethene

Concen: 19.53 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion:164 Resp: 162393

Ion Ratio Lower Upper

164 100

166 130.5 100.0 150.0

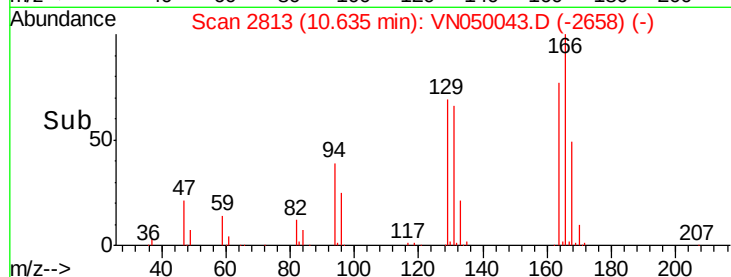
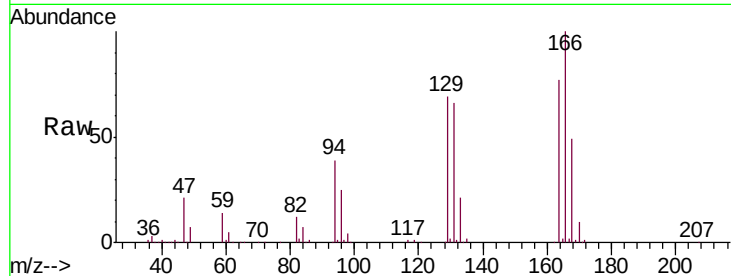
129 90.4 69.3 103.9

131 86.4 68.8 103.2

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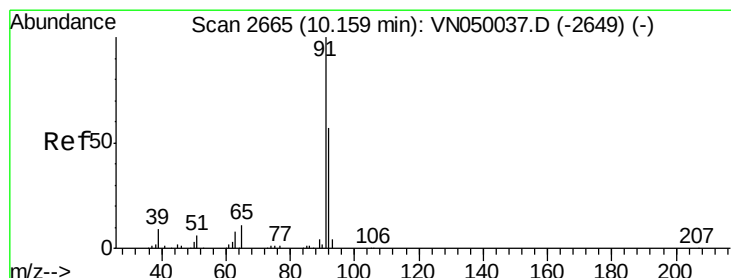
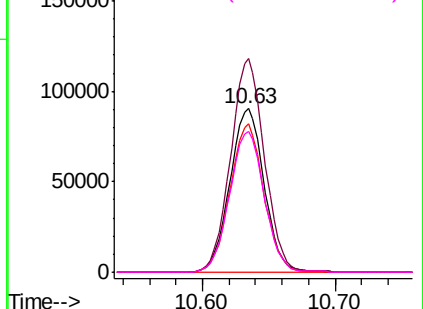


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.64 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050043.D

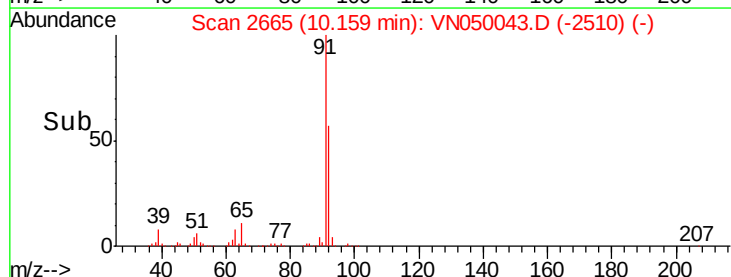
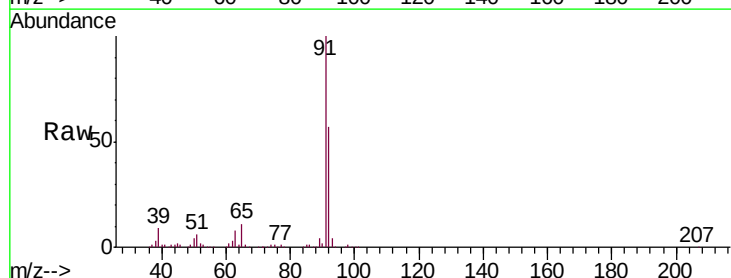
Acq: 25 Jul 2018 12:59

Tgt Ion: 91 Resp: 687806

Ion Ratio Lower Upper

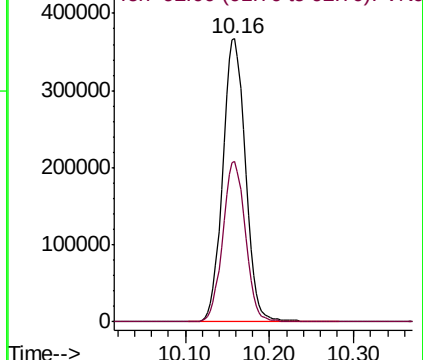
91 100

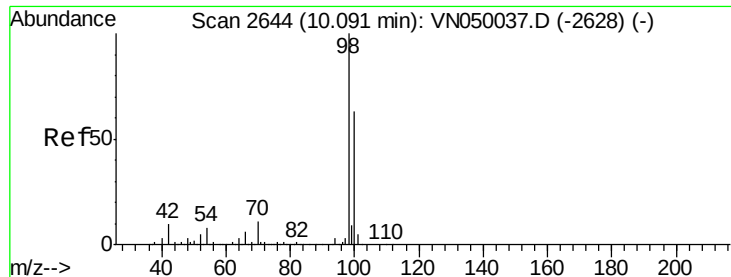
92 56.5 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.28 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion: 98 Resp: 887728

Ion Ratio Lower Upper

98 100

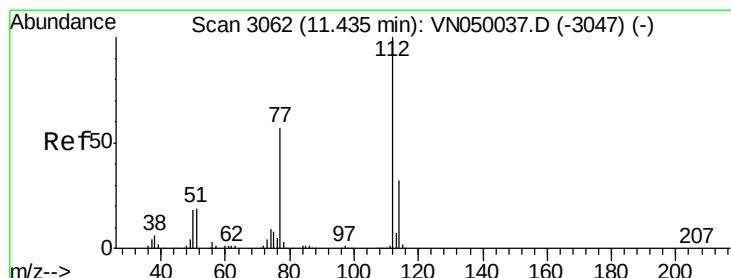
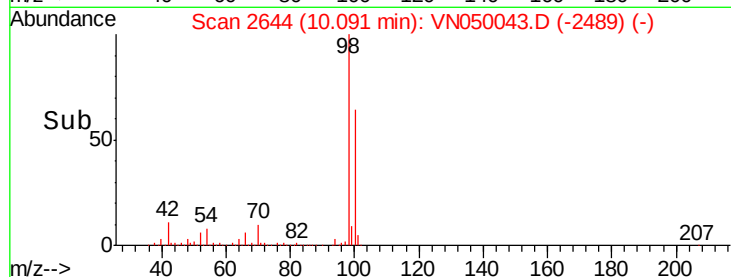
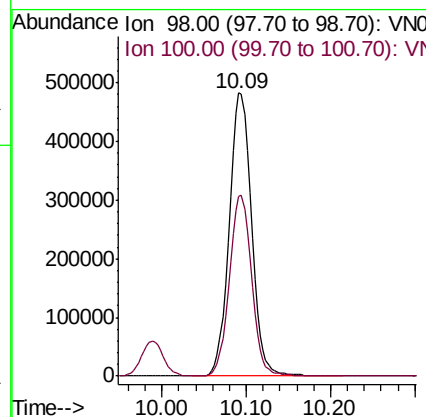
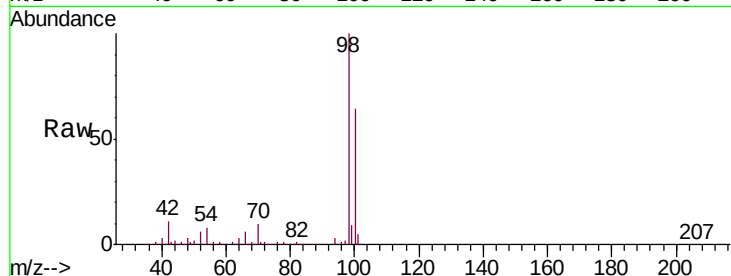
100 63.4 51.2 76.8

Manual Integrations

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#64

Chlorobenzene

Concen: 19.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050043.D

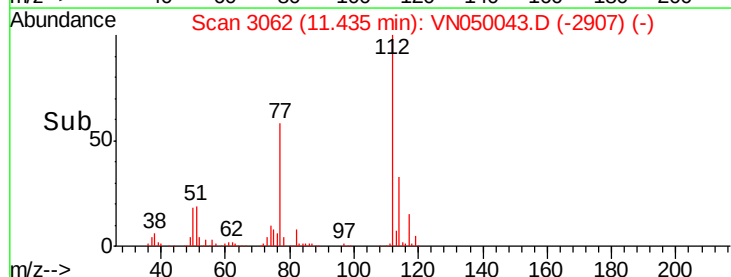
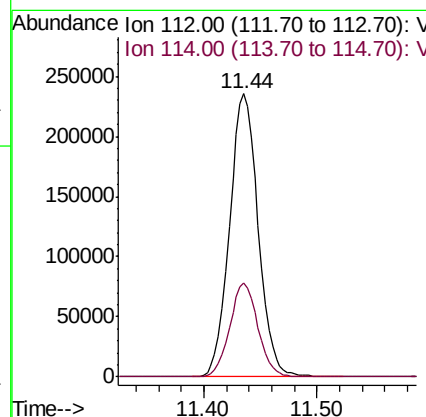
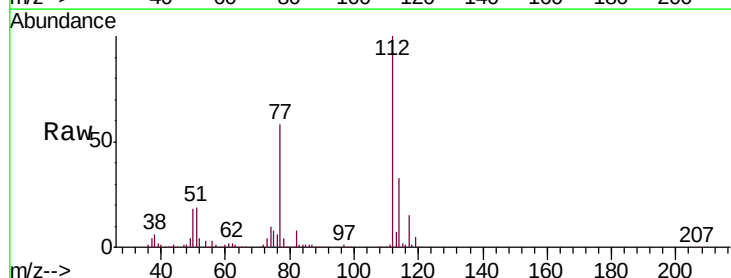
Acq: 25 Jul 2018 12:59

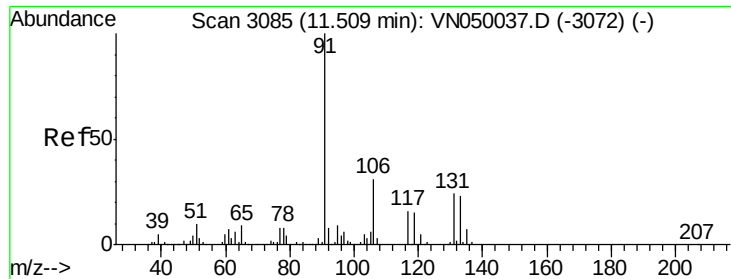
Tgt Ion: 112 Resp: 413596

Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

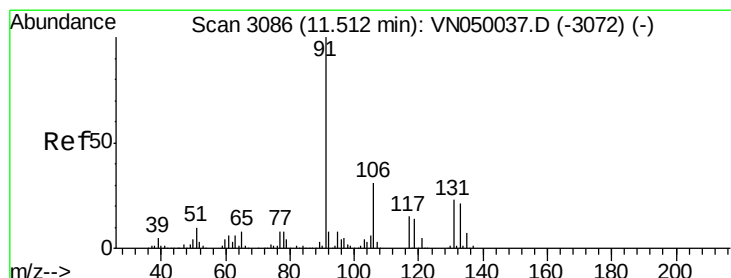
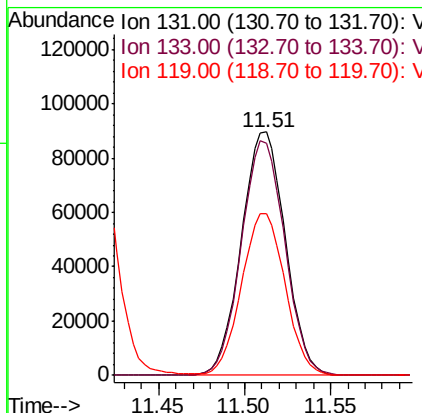
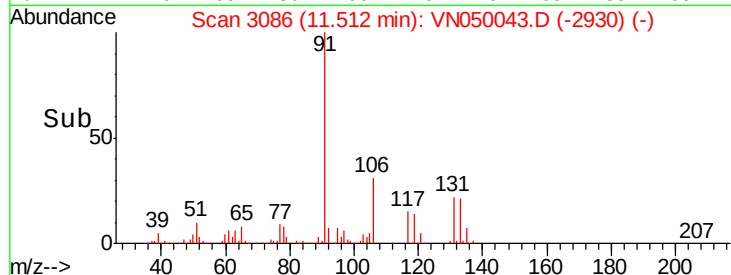
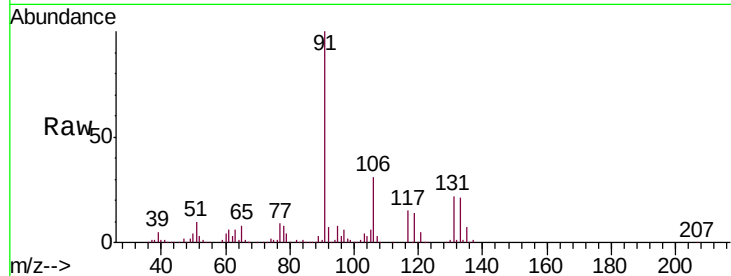
ClientSampleId :

VN0725WBS01

Tot Ion:	131	Resp:	158655
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	190.0
119	66.0	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.34 ug/l

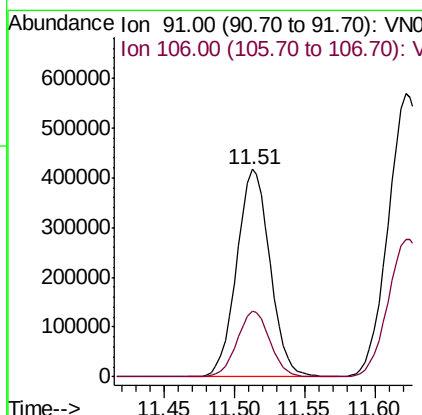
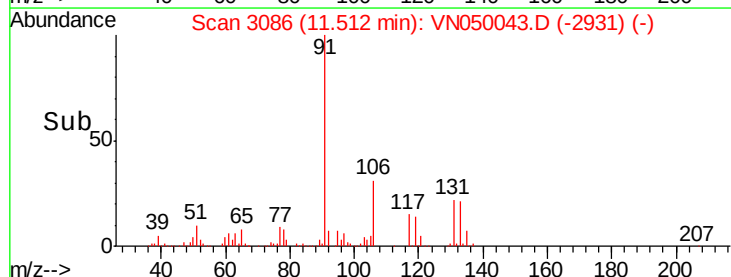
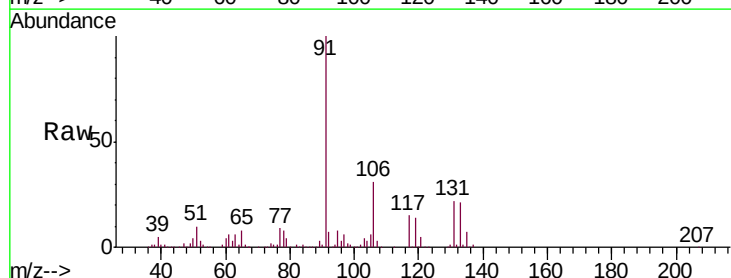
RT: 11.51 min Scan# 3086

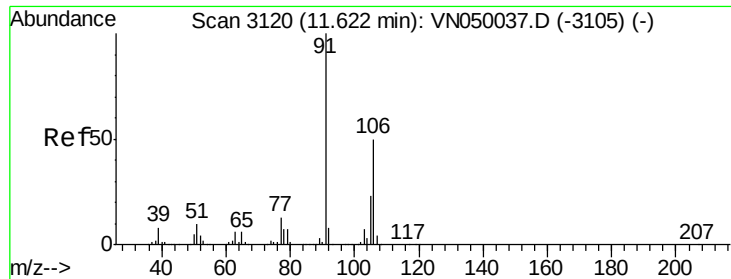
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	91	Resp:	692070
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.1	37.7





#67

m/p-Xylenes

Concen: 39.42 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion:106 Resp: 542915

Ion Ratio Lower Upper

106 100

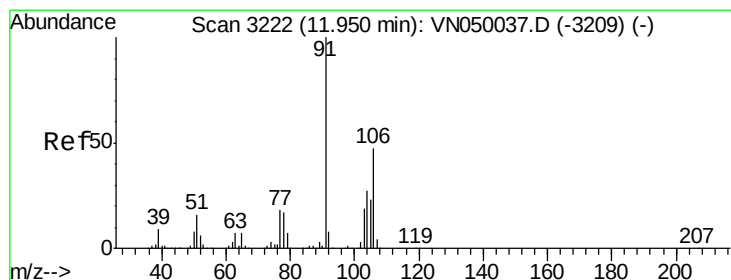
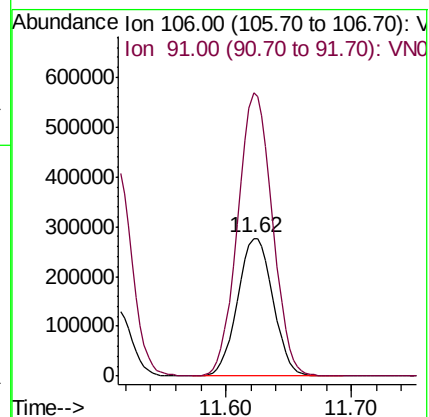
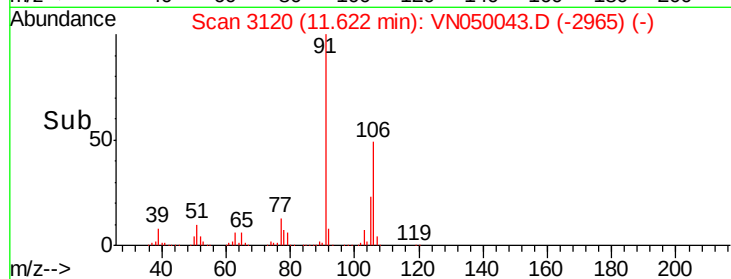
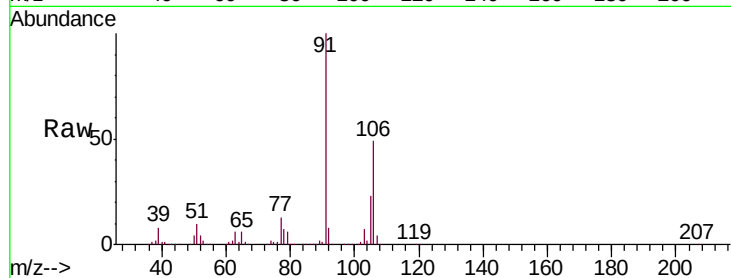
91 201.2 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 19.11 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050043.D

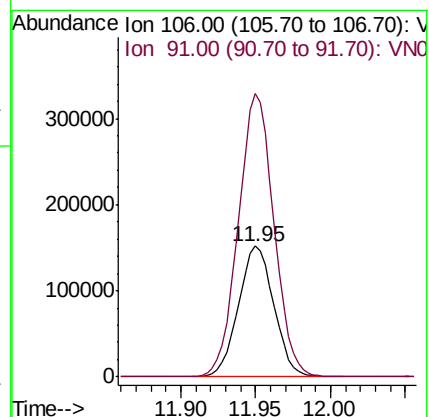
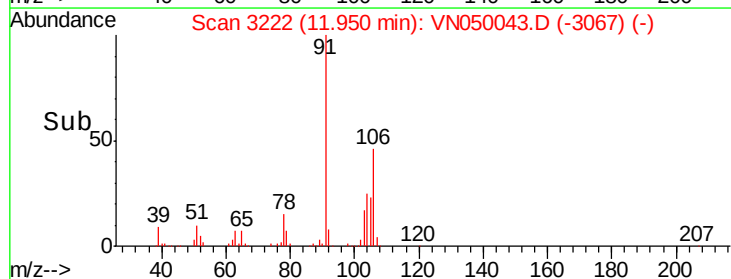
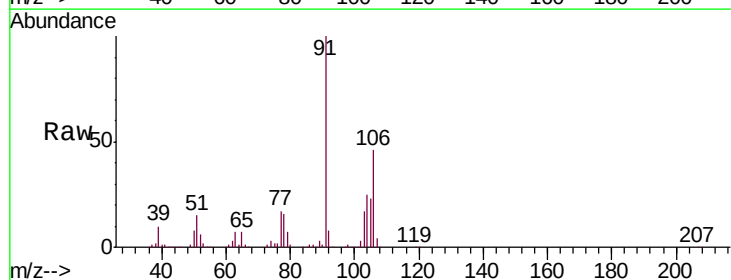
Acq: 25 Jul 2018 12:59

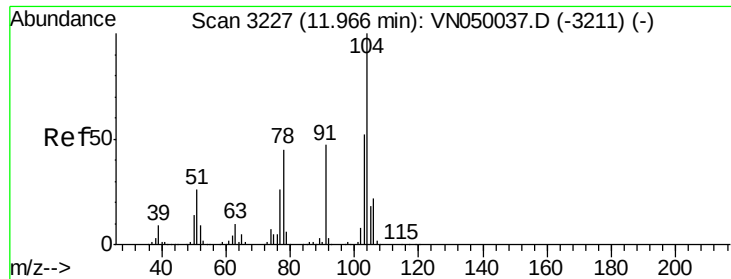
Tgt Ion:106 Resp: 250379

Ion Ratio Lower Upper

106 100

91 217.6 106.8 320.4





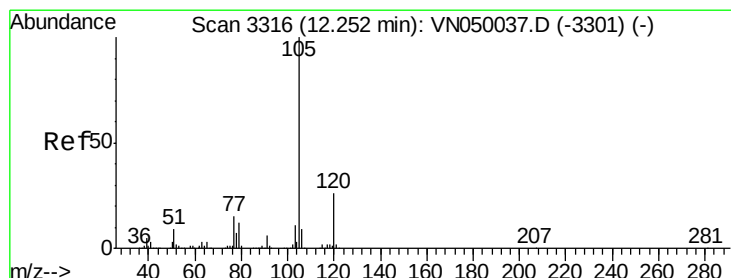
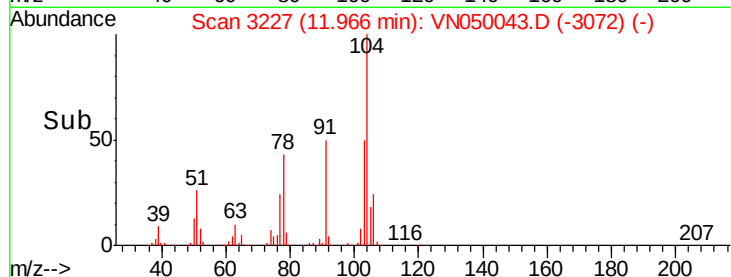
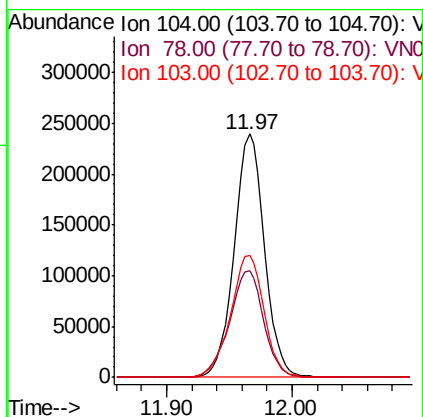
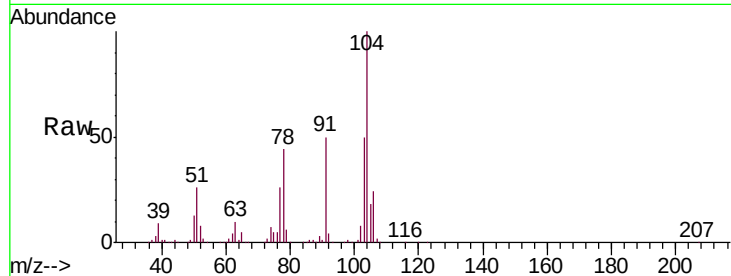
#69
Stvrene
Concen: 19.08 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	55.6	44.5	66.7

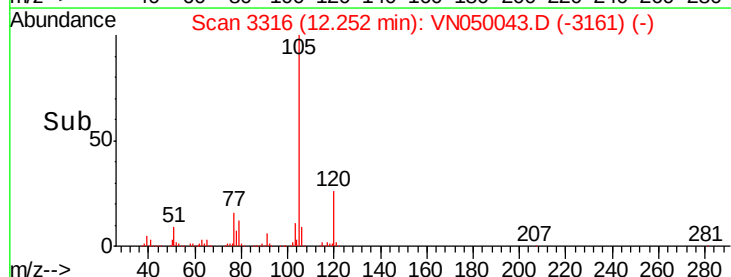
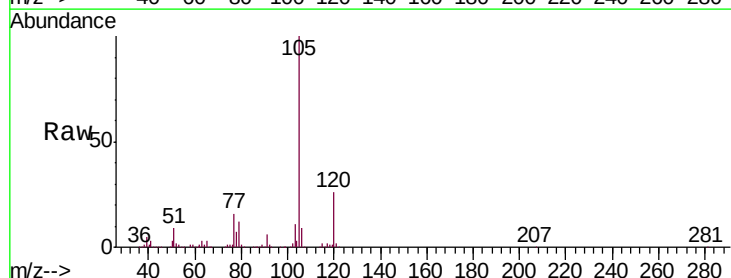
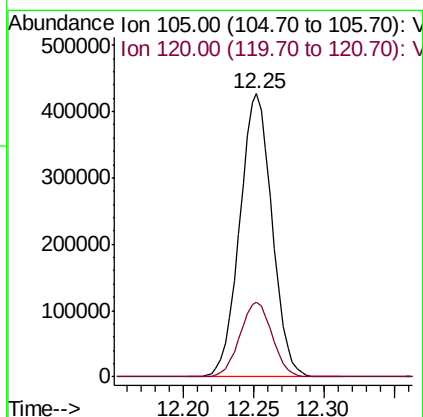
Manual Integrations
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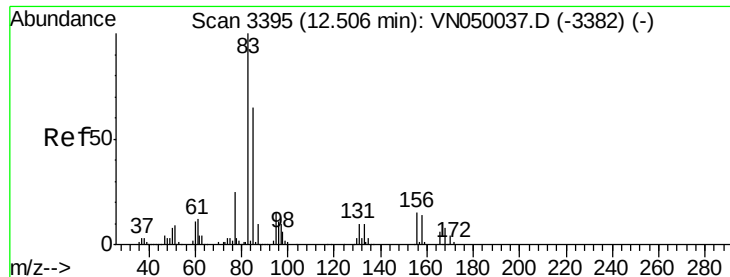
MMDadoda
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#70
Isopropylbenzene
Concen: 19.62 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.9	35.1





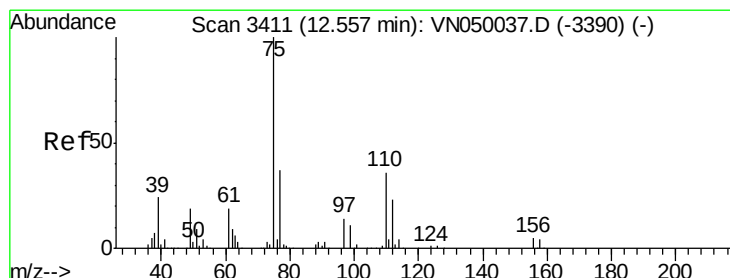
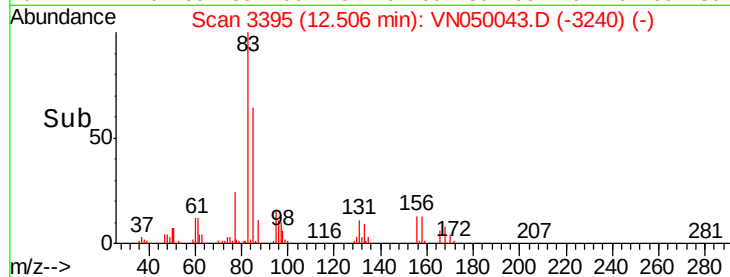
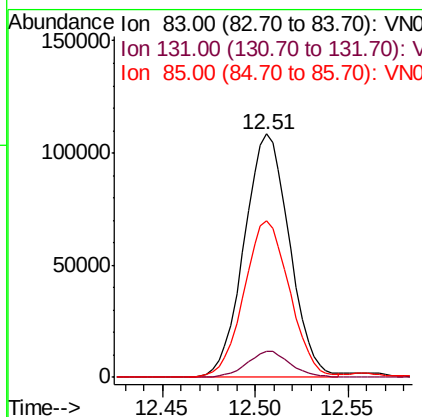
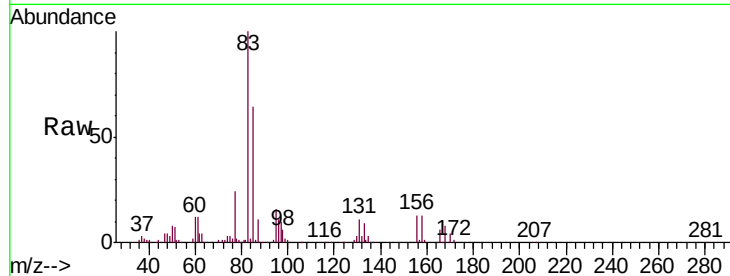
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.23 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.4	31.7	95.1

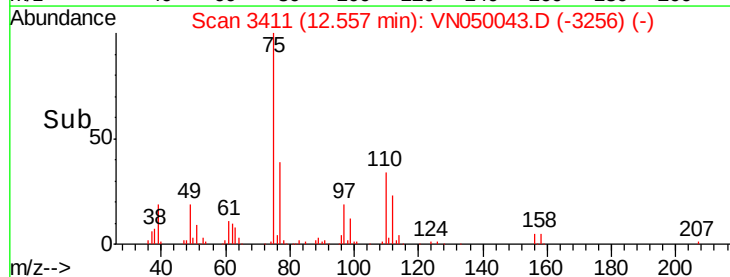
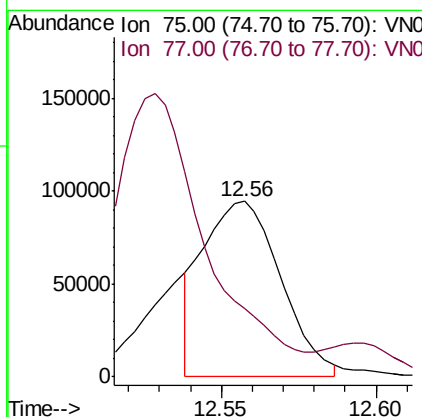
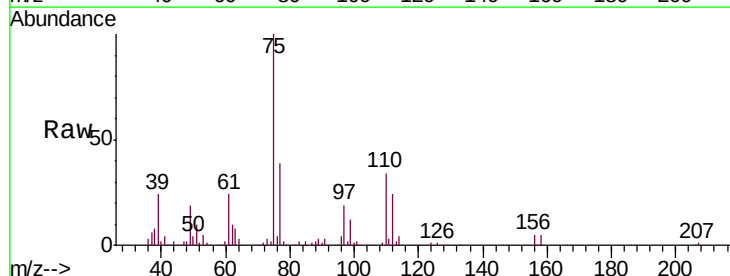
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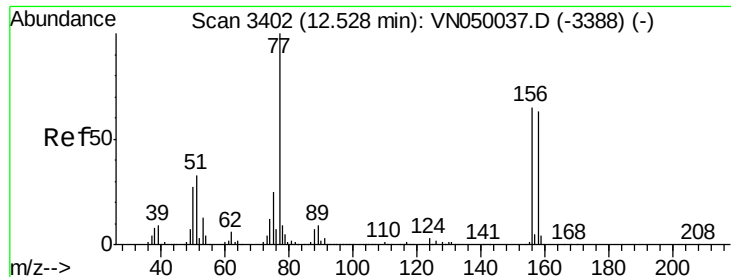
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 20.15 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	194.9	0.0	454.4





#73

Bromobenzene

Concen: 18.83 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

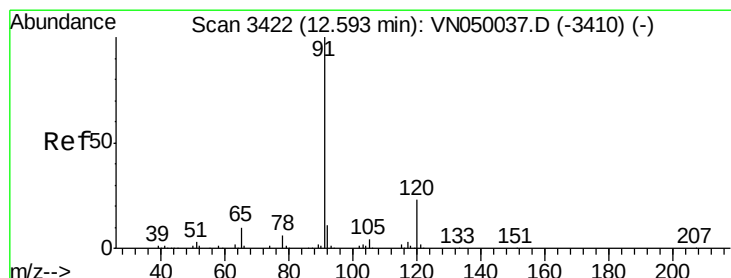
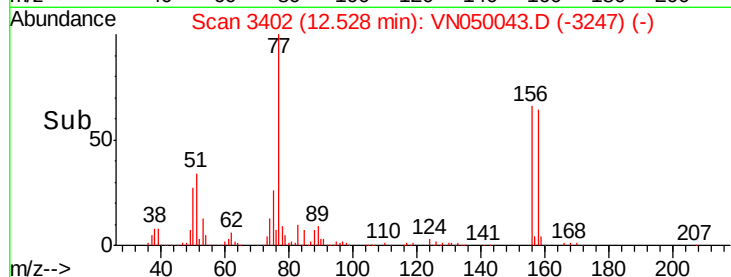
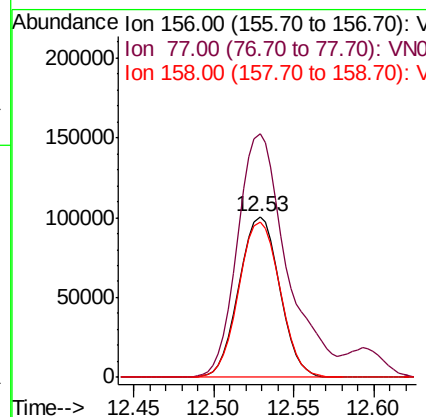
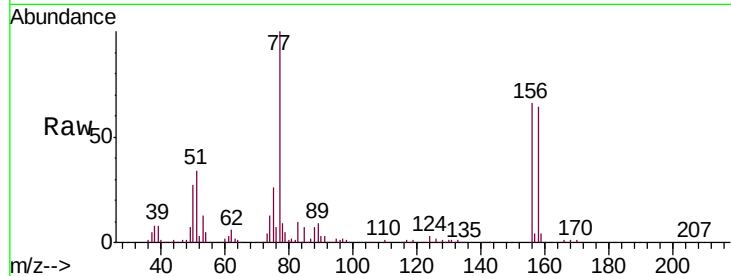
ClientSampleId :

VN0725WBS01

Tot Ion:	156	Resp:	175015
Ion Ratio	Lower	Upper	
156	100		
77	183.6	0.0	359.8
158	98.2	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.33 ug/l

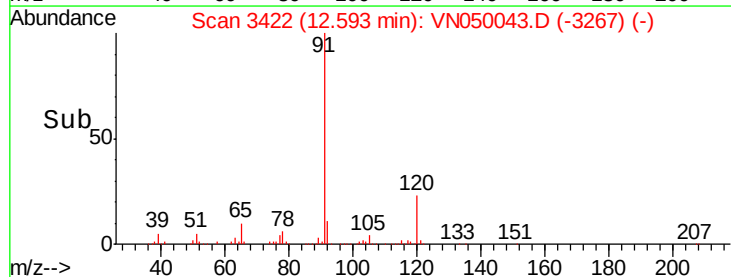
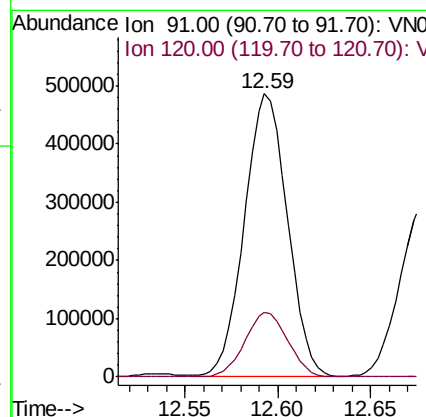
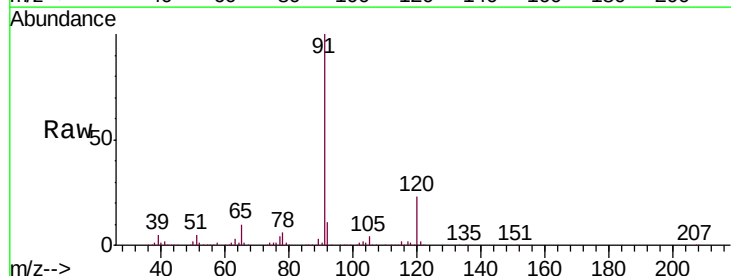
RT: 12.59 min Scan# 3422

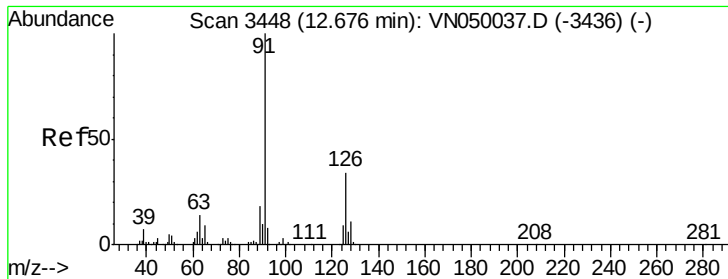
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	91	Resp:	785579
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.50 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS01

Tot Ion: 91 Resp: 475996

Ion Ratio Lower Upper

91 100

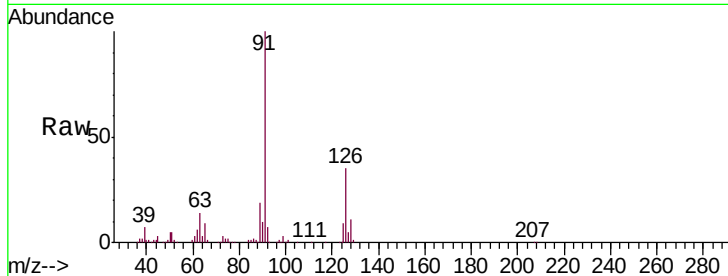
126 34.7 0.0 68.6

Manual Integrations

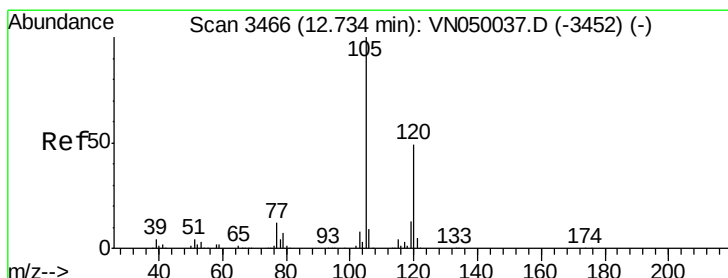
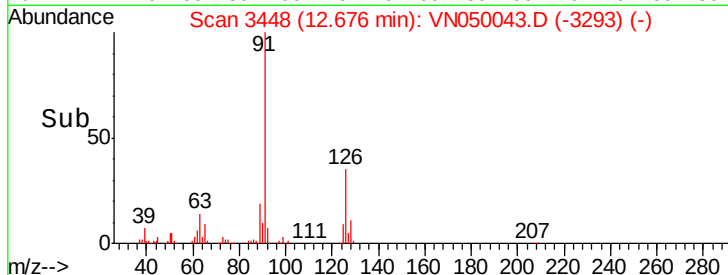
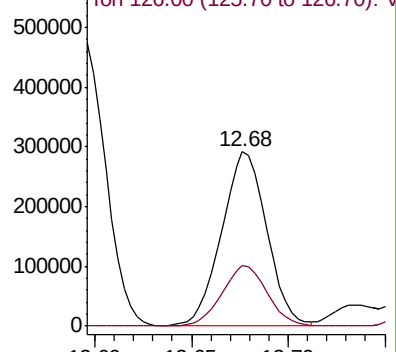
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Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050043.D

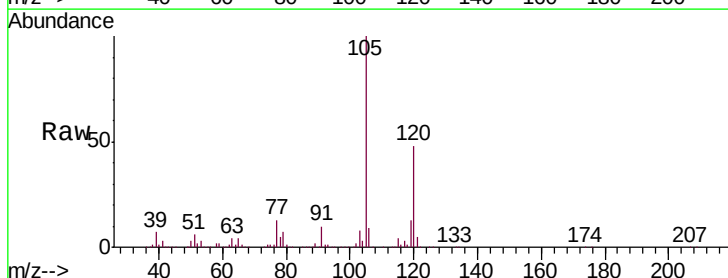
Acq: 25 Jul 2018 12:59

Tgt Ion: 105 Resp: 564489

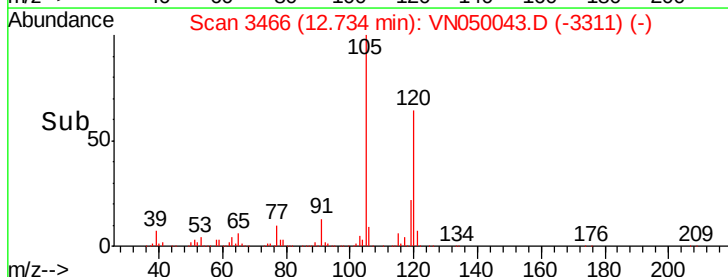
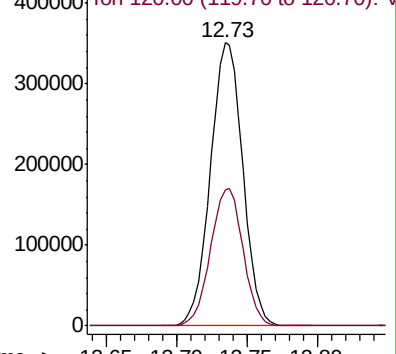
Ion Ratio Lower Upper

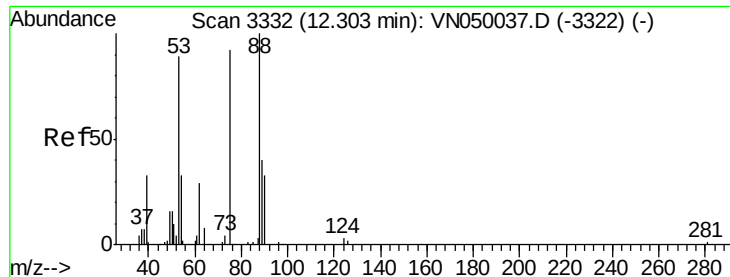
105 100

120 48.7 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.06 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

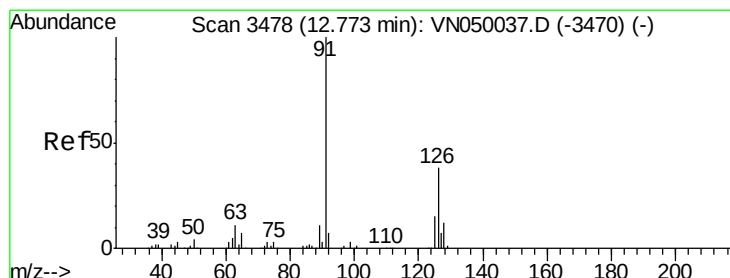
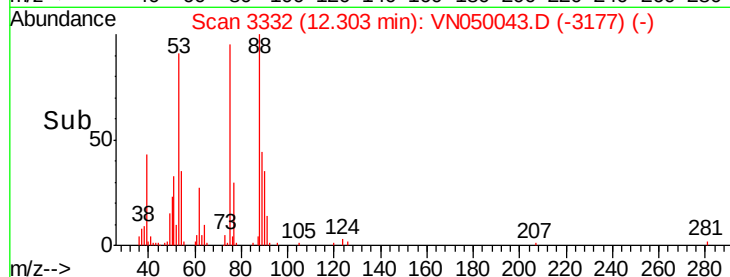
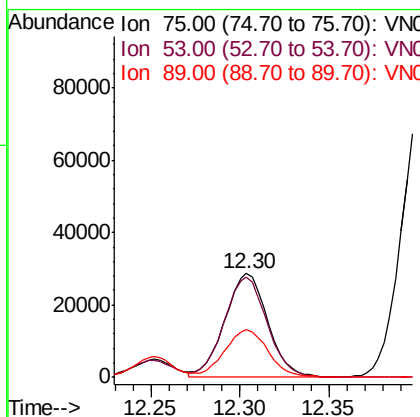
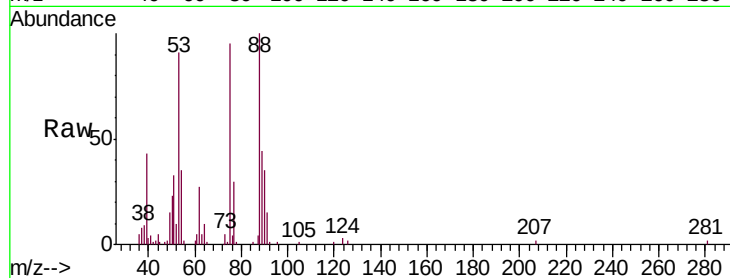
ClientSampleId :

VN0725WBS01

Tot Ion:	75	Resp:	48310
Ion	Ratio	Lower	Upper
75	100		
53	95.6	44.6	134.0
89	46.0	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.38 ug/l

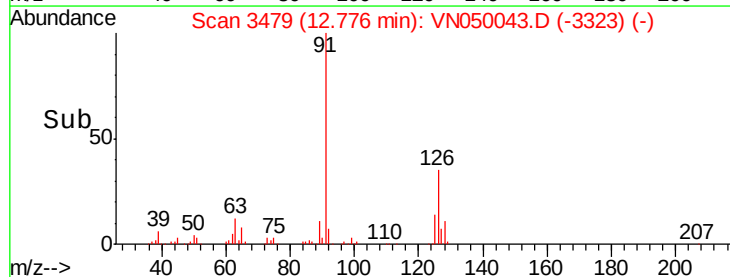
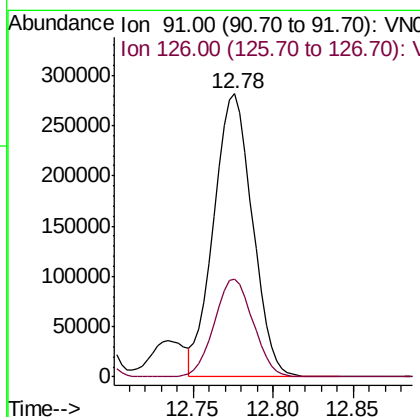
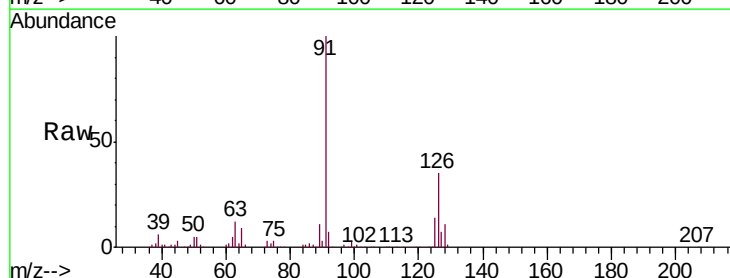
RT: 12.78 min Scan# 3479

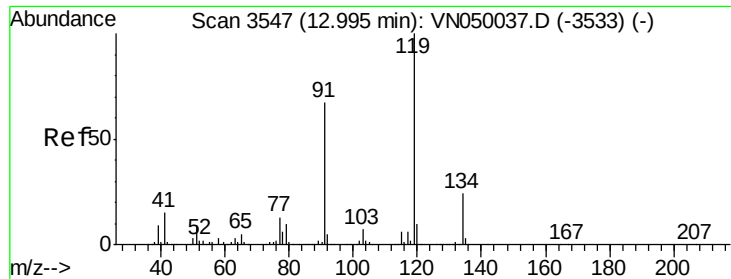
Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	91	Resp:	468940
Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.4





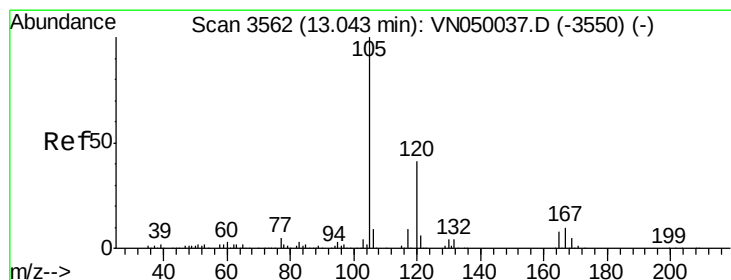
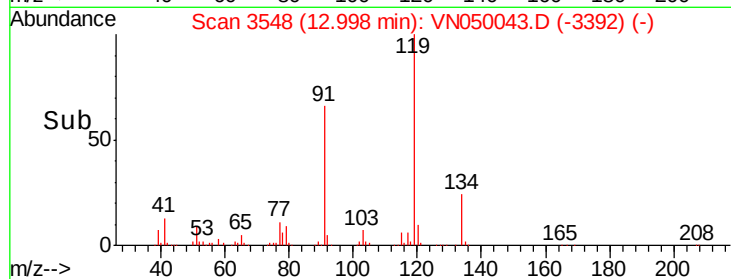
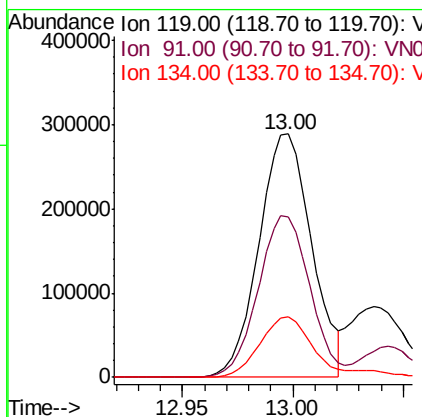
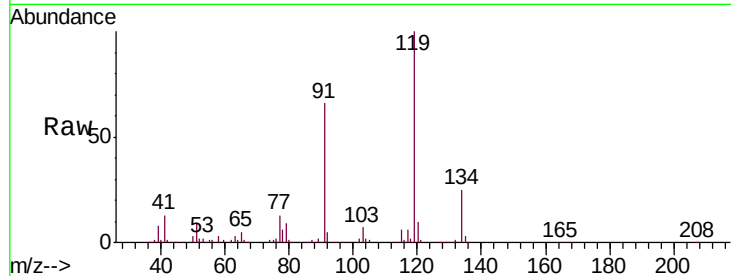
#79
tert-butylbenzene
Concen: 19.56 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	479463		
91	65.1	0.0	126.8	
134	24.6	0.0	47.4	

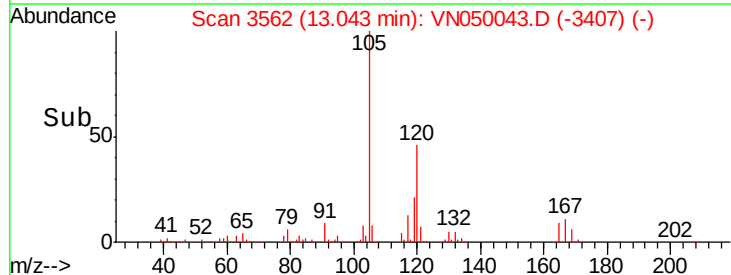
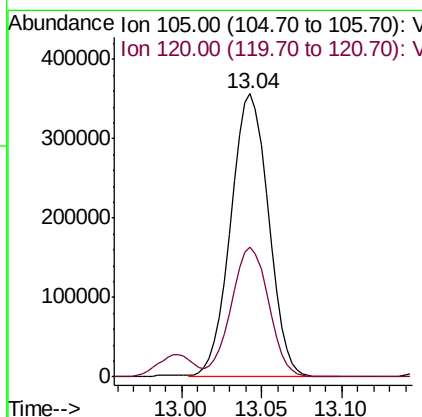
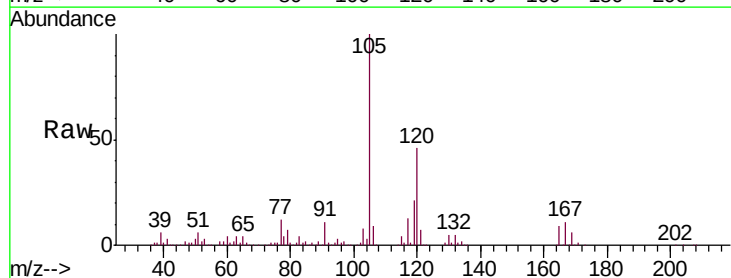
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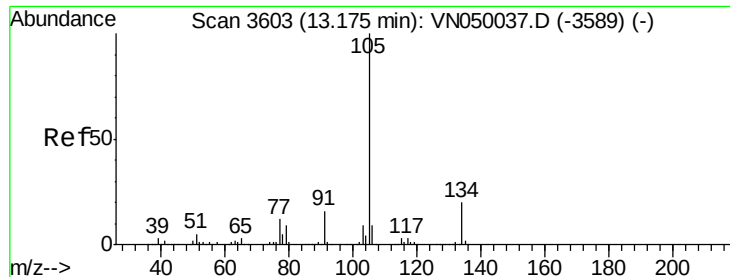
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#80
1,2,4-Trimethylbenzene
Concen: 19.77 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	574214		
120	45.7	0.0	90.6	





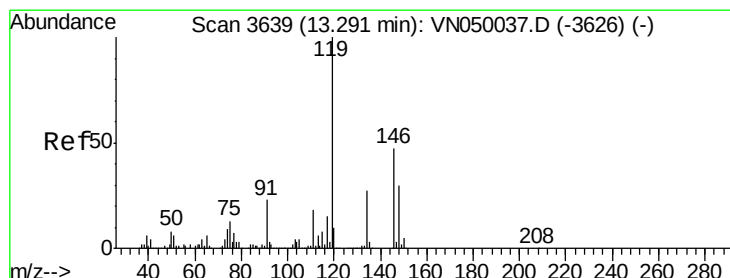
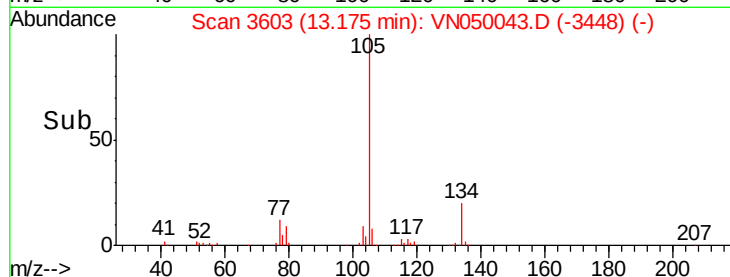
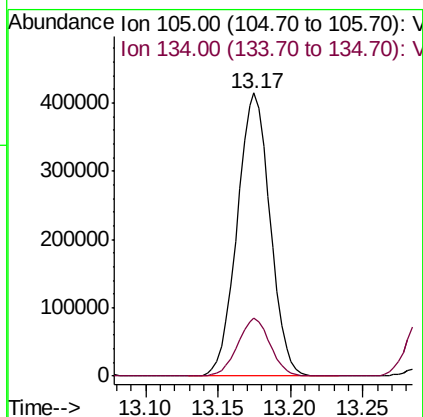
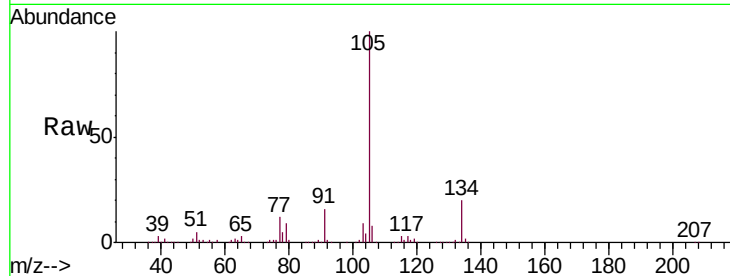
#81
 sec-Butylbenzene
 Concen: 19.57 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.6

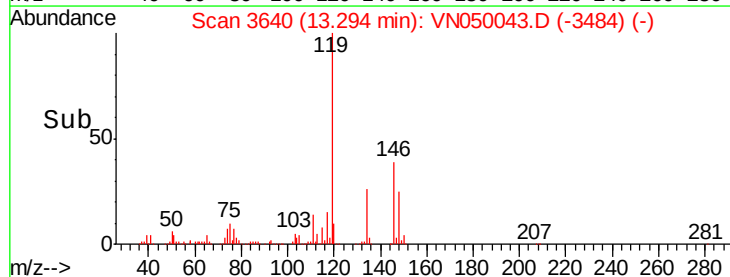
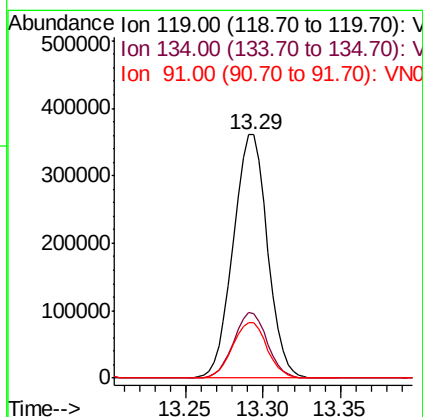
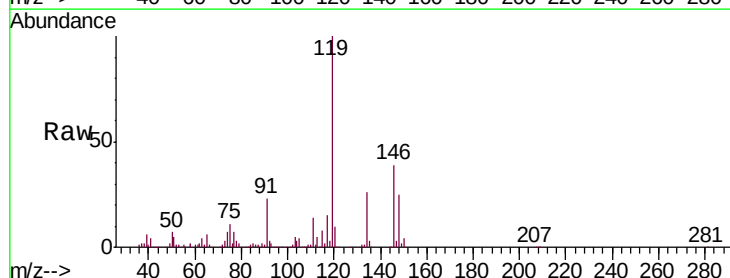
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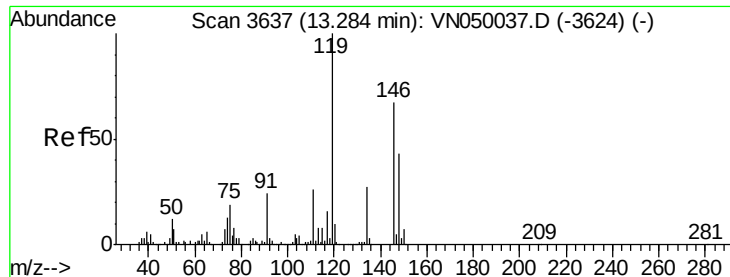
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 7/26/2018 3:54:12 PM



#82
 p-Isopropyltoluene
 Concen: 19.47 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.2
91	23.3	0.0	45.6





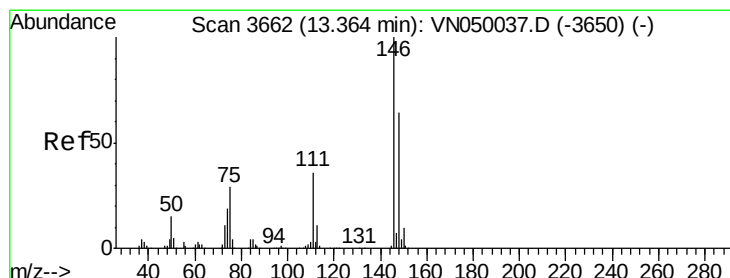
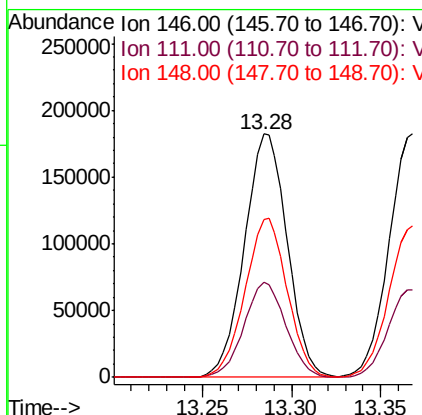
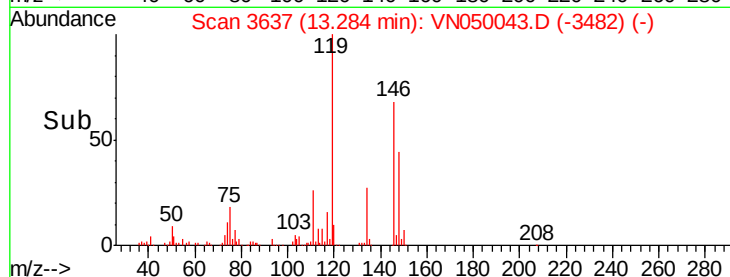
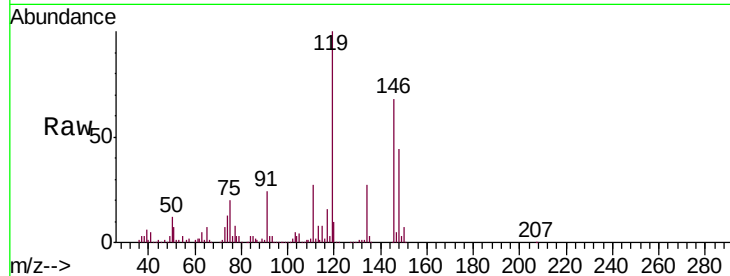
#83
1,3-Dichlorobenzene
Concen: 18.88 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.4	31.9	95.9

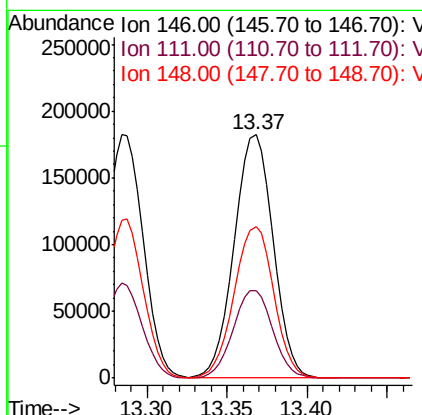
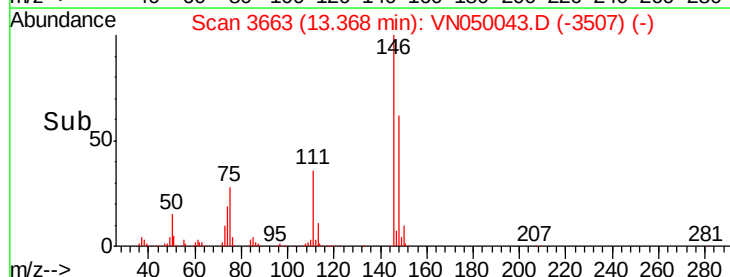
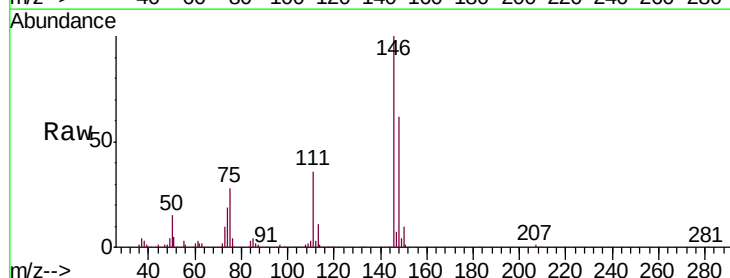
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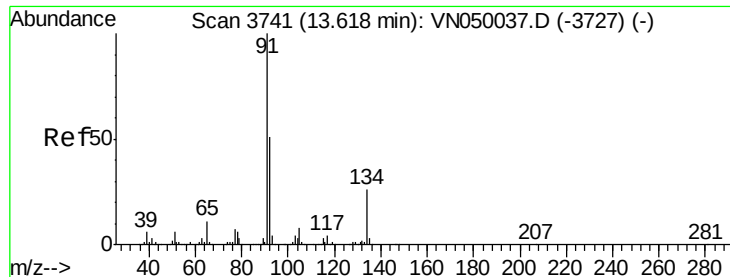
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#84
1,4-Dichlorobenzene
Concen: 19.82 ug/l
RT: 13.37 min Scan# 3663
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.8
148	63.1	32.4	97.0





#85

n-Butylbenzene

Concen: 18.41 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

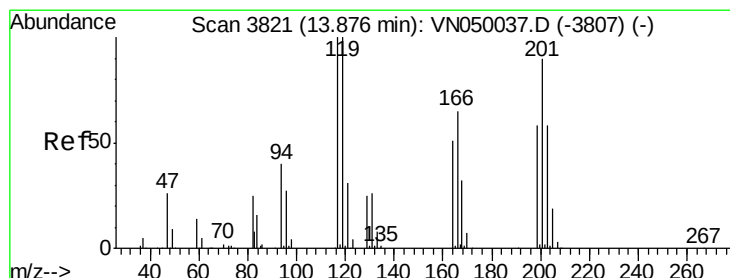
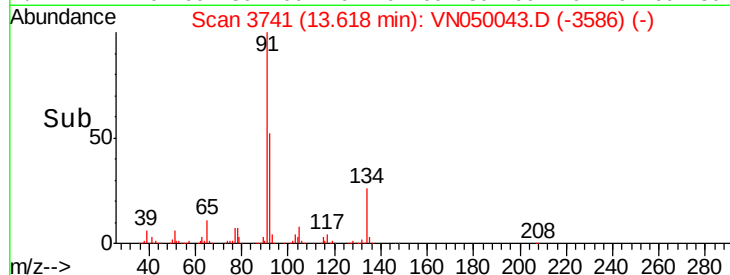
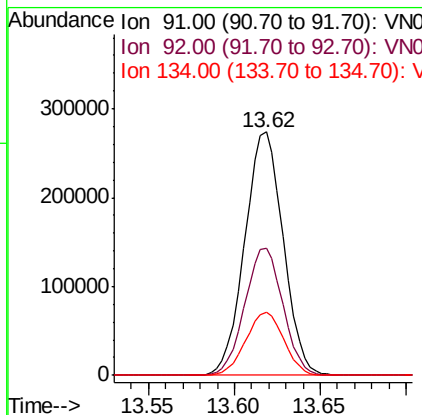
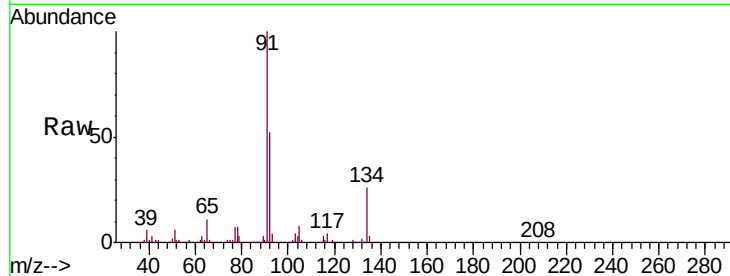
ClientSampleId :

VN0725WBS01

Tot Ion:	91	Resp:	424323
Ion Ratio	Lower	Upper	
91	100		
92	51.8	0.0	102.8
134	25.7	0.0	51.0

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#86

Hexachloroethane

Concen: 19.19 ug/l

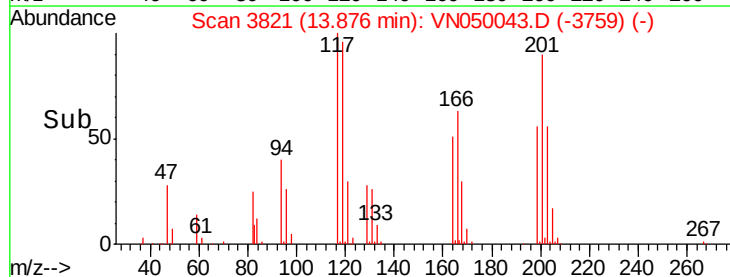
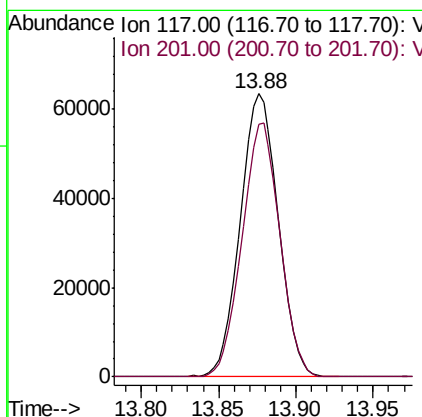
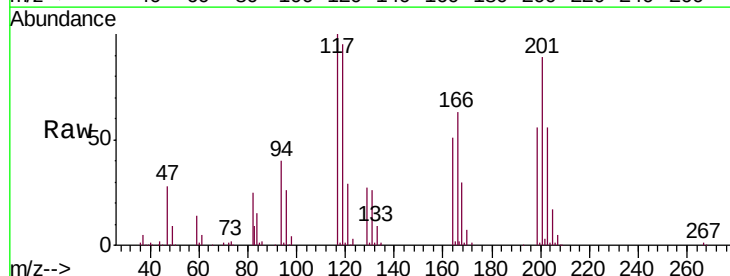
RT: 13.88 min Scan# 3821

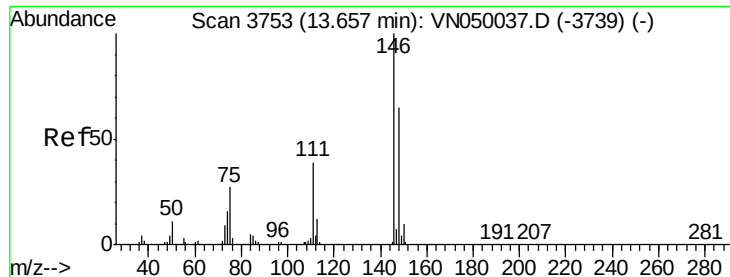
Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion:	117	Resp:	108944
Ion Ratio	Lower	Upper	
117	100		
201	88.8	46.6	139.7





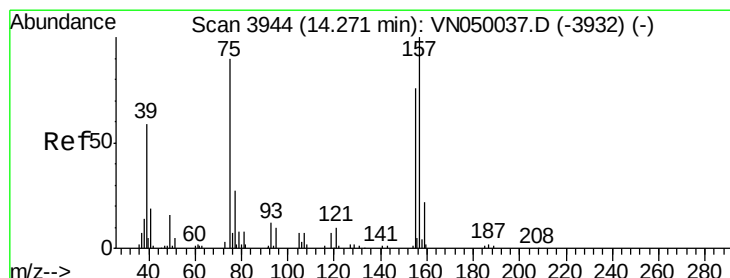
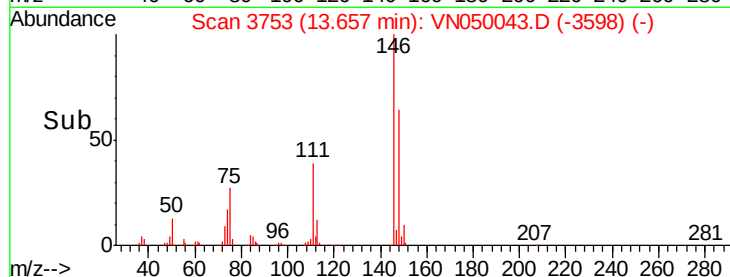
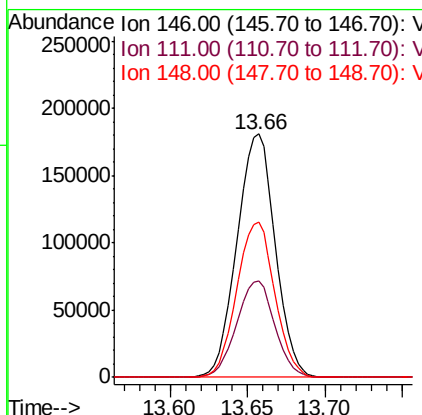
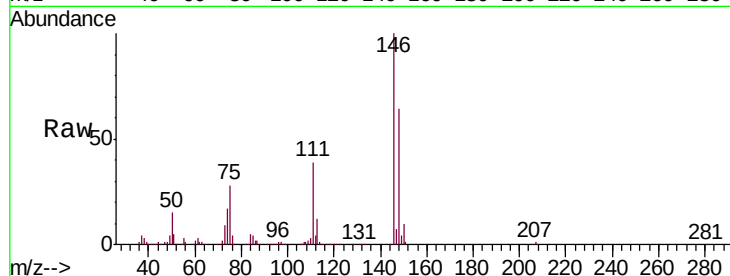
#87
 1,2-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.2	31.8	95.3

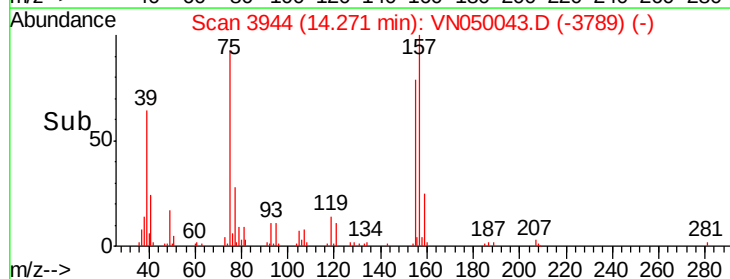
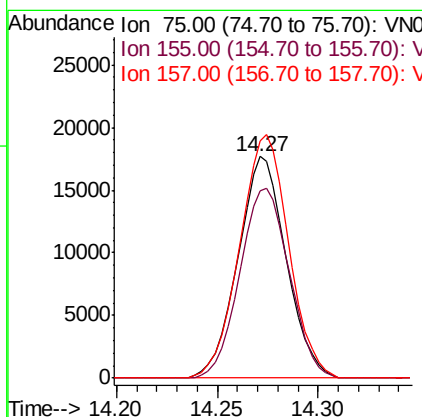
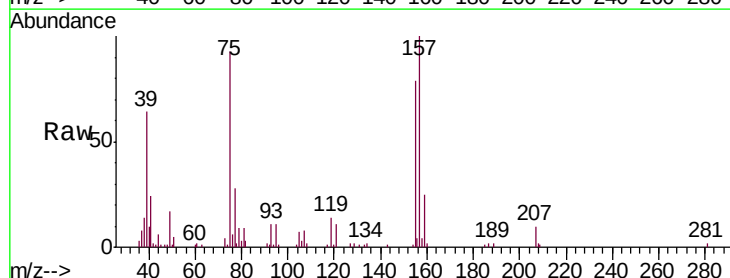
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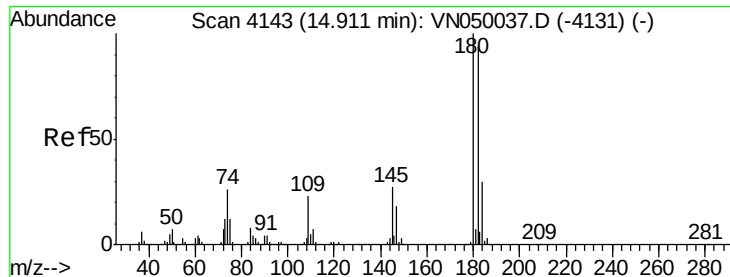
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	73.0	109.6
157	111.2	94.9	142.3





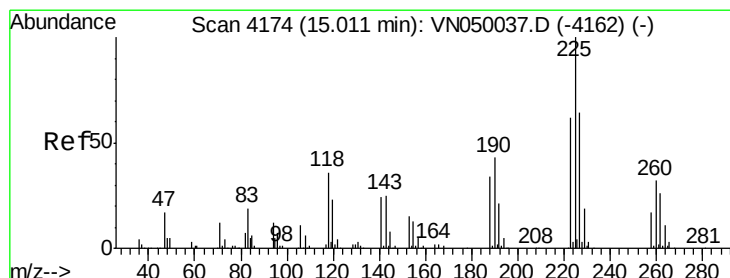
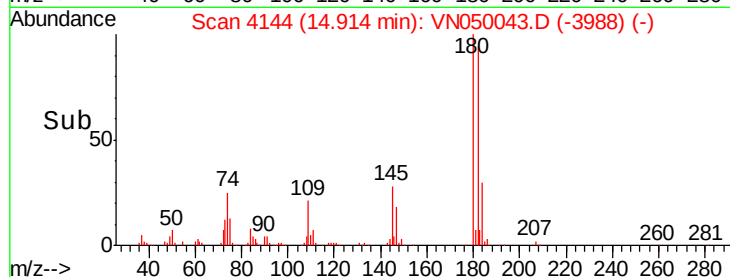
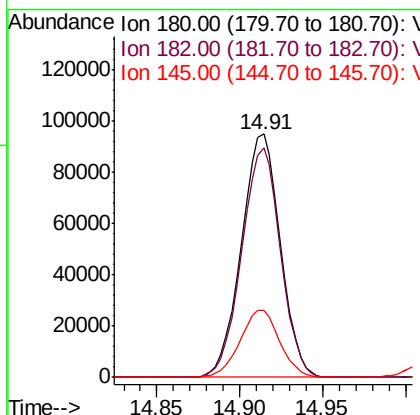
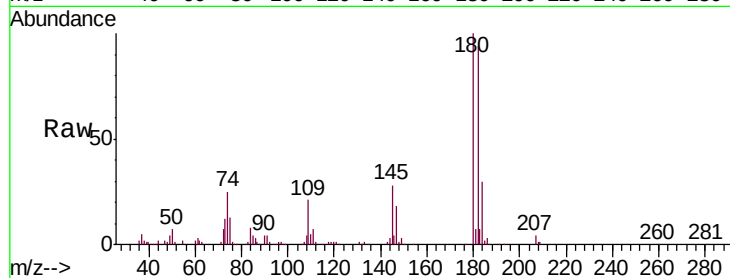
#89
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155216		
182	93.7	76.7	115.1	
145	28.0	23.4	35.0	

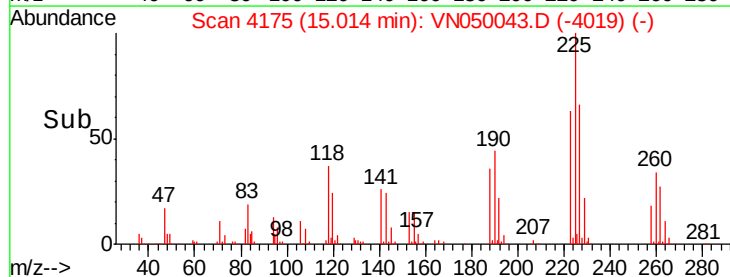
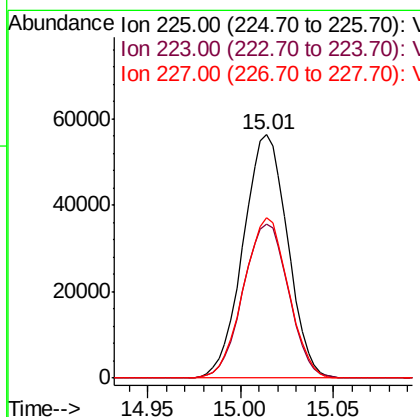
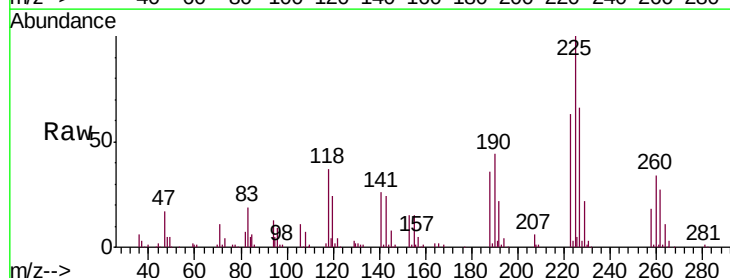
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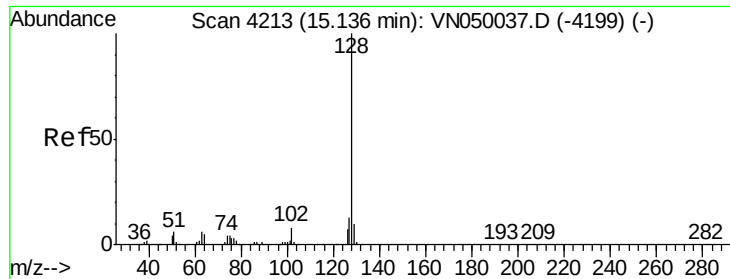
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#90
 Hexachlorobutadiene
 Concen: 18.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93685		
223	64.7	0.0	124.4	
227	66.3	0.0	133.0	





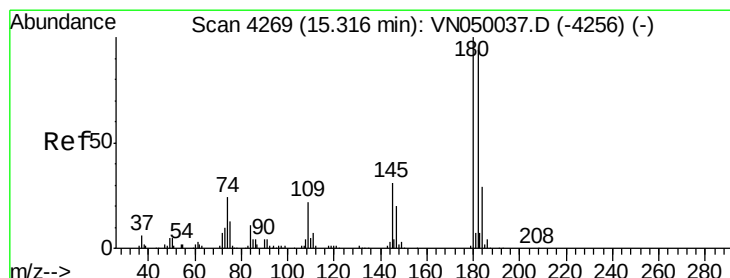
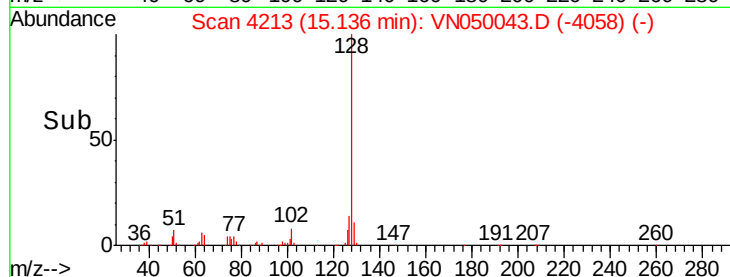
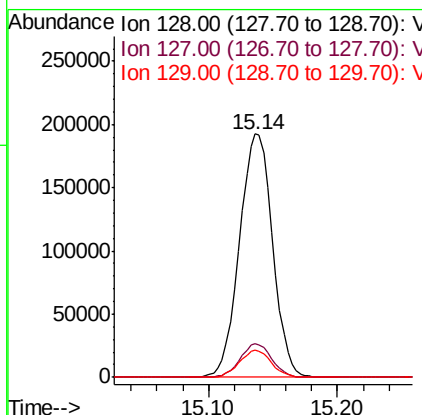
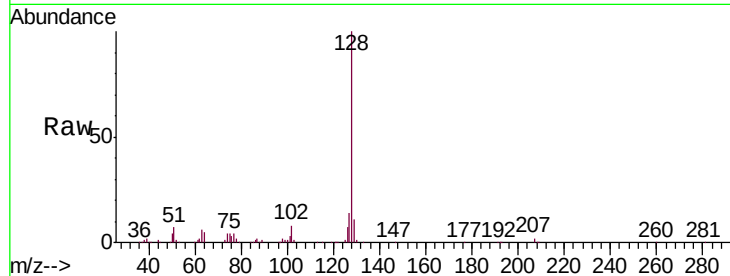
#91
Naphthalene
Concen: 22.14 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.7	9.0	13.4

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#92
1,2,3-Trichlorobenzene
Concen: 18.56 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	188.8
145	29.6	0.0	60.8

