

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050669.D
 Acq On : 15 Aug 2018 21:50
 Operator : MD\SY
 Sample : VN0815WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:48 PM

Quant Time: Aug 16 04:37:02 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	118798	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628708	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	546562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239650	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.40	95	250079	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	798542	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	128048	15.64	ug/l	97
3) Chloromethane	2.06	50	165292	19.58	ug/l	98
4) Vinyl Chloride	2.18	62	171768	19.11	ug/l	97
5) Bromomethane	2.56	94	98721	18.02	ug/l	98
6) Chloroethane	2.70	64	103563	19.49	ug/l	98
7) Trichlorofluoromethane	3.01	101	230887	19.66	ug/l	99
8) Diethyl Ether	3.41	74	77193	19.60	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140357	19.65	ug/l	100
10) 1,1-Dichloroethene	3.73	96	125009	19.74	ug/l	98
11) Methyl Iodide	3.95	142	78189	8.39	ug/l	97
12) Methyl Acetate	4.33	43	123291	16.99	ug/l	98
13) Acrolein	3.61	56	12589m	28.08	ug/l	
14) Acrylonitrile	4.99	53	240582	99.37	ug/l	99
15) Acetone	3.82	58	73102	113.61	ug/l	94
16) Carbon Disulfide	4.05	76	384095	19.82	ug/l	99
17) Allyl chloride	4.33	41	188166	18.81	ug/l	97
18) Methylene Chloride	4.55	84	150271	20.56	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	138482	20.42	ug/l	95
20) Diisopropyl ether	5.96	45	432894	21.11	ug/l	97
21) 1,1-Dichloroethane	5.85	63	267216	20.72	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	152316	20.25	ug/l	97
23) tert-Butyl Alcohol	4.80	59	48086	88.89	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	342538	19.83	ug/l	98
25) Chloroform	7.37	83	268997	20.60	ug/l	98
26) Cyclohexane	7.65	56	206948	20.19	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	193401	19.82	ug/l	100
30) 2-Butanone	6.84	43	337936	110.37	ug/l	99
31) 2,2-Dichloropropane	6.83	77	162862	15.10	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	226208	19.70	ug/l	99
33) Carbon Tetrachloride	7.78	117	202424	19.77	ug/l	99
34) Benzene	8.05	78	601123	20.29	ug/l	97
35) Methacrylonitrile	7.18	41	66436	19.06	ug/l	96
36) 1,2-Dichloroethane	8.13	62	188703	19.40	ug/l	99
37) Trichloroethene	8.84	130	152865	19.67	ug/l	95
38) Methylcyclohexane	9.08	83	190767	18.55	ug/l	98
39) 1,2-Dichloropropane	9.12	63	159150	20.39	ug/l	99
40) Dibromomethane	9.21	93	95692	19.83	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	196902	19.35	ug/l	100
42) Vinyl Acetate	5.90	43	1420032	98.56	ug/l	100
43) Ethyl Acetate	6.94	43	125435	19.62	ug/l	94
44) Isopropyl Acetate	8.17	43	222069	18.75	ug/l	97
45) 1,4-Dioxane	9.20	88	28634	367.41	ug/l	94
46) Methyl methacrylate	9.20	41	103705	18.06	ug/l	95
47) n-amyl Acetate	12.07	43	166952	18.12	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	180633	18.62	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	215414	18.90	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	135859	19.62	ug/l	98
51) Ethyl methacrylate	10.43	69	159066	18.92	ug/l	96
52) 1,3-Dichloropropane	10.71	76	225490	19.83	ug/l	98
53) Dibromochloromethane	10.90	129	150810	19.19	ug/l	100
54) 1,2-Dibromoethane	11.01	107	128900	19.01	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389401	102.36	ug/l	99
56) Bromoform	12.13	173	101864	18.36	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	781155	122.83	ug/l	99
59) 2-Hexanone	10.75	43	499814	115.20	ug/l	100
61) Tetrachloroethene	10.63	164	144273	19.49	ug/l	99
62) Toluene	10.16	91	634198	20.34	ug/l	99
64) Chlorobenzene	11.44	112	379780	20.08	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	148872	20.18	ug/l	100
66) Ethyl Benzene	11.51	91	617309	19.37	ug/l	100
67) m/p-Xylenes	11.62	106	492666	40.17	ug/l	100
68) o-Xylene	11.95	106	230728	19.77	ug/l	99
69) Styrene	11.97	104	380741	20.35	ug/l	99
70) Isopropylbenzene	12.25	105	615851	19.82	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	172135	20.17	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	140832m	19.33	ug/l	
73) Bromobenzene	12.53	156	162303	19.61	ug/l	99
74) n-propylbenzene	12.59	91	690628	19.08	ug/l	100
75) 2-Chlorotoluene	12.68	91	434445	19.98	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	508413	19.92	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	35646	14.96	ug/l	91
78) 4-Chlorotoluene	12.77	91	424063	19.69	ug/l	99
79) tert-butylbenzene	12.99	119	431190	19.76	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	514819	19.91	ug/l	100
81) sec-Butylbenzene	13.17	105	568424	19.17	ug/l	99
82) p-Isopropyltoluene	13.29	119	482897	19.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276440	19.18	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	258786	19.00	ug/l	99
85) n-Butylbenzene	13.62	91	356209	17.35	ug/l	99
86) Hexachloroethane	13.88	117	91943	18.19	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	273845	19.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23630	17.78	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	111125	16.51	ug/l	99
90) Hexachlorobutadiene	15.01	225	79531	17.92	ug/l	98
91) Naphthalene	15.14	128	221005	18.12	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	115479	16.87	ug/l	97

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QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

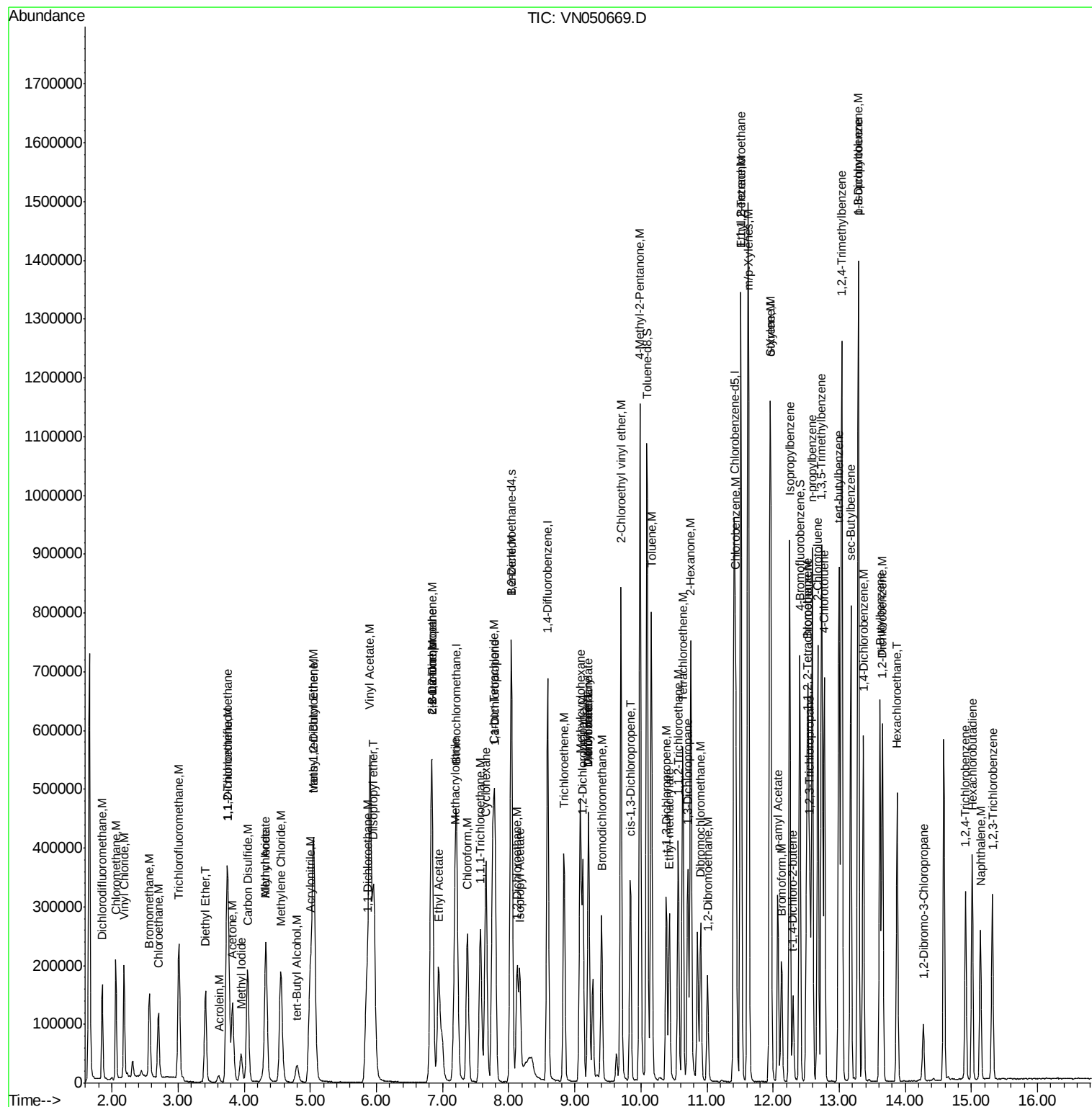
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050669.D
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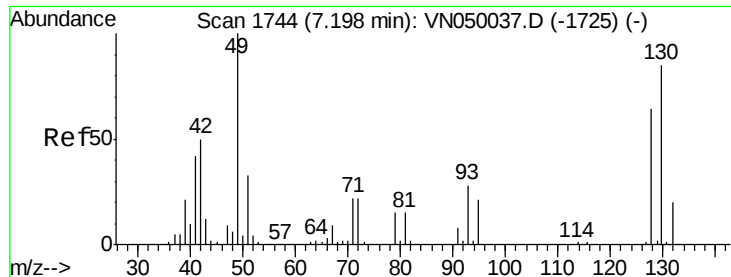
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Manual Integrations
APPROVED

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8/16/2018 1:18:48 PM

Quant Time: Aug 16 04:37:02 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

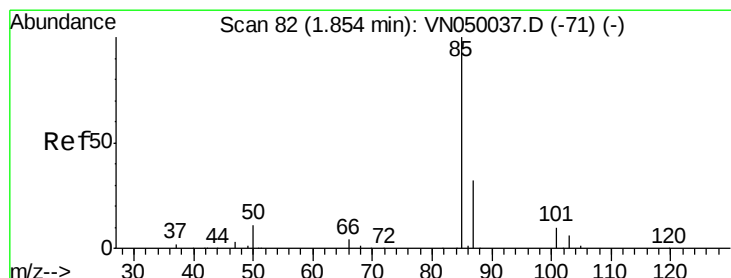
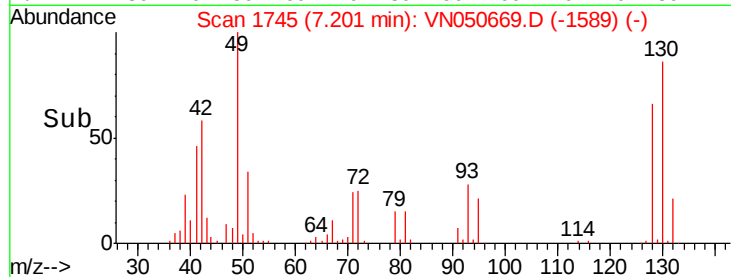
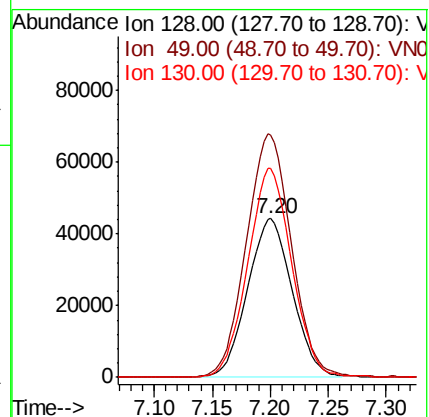
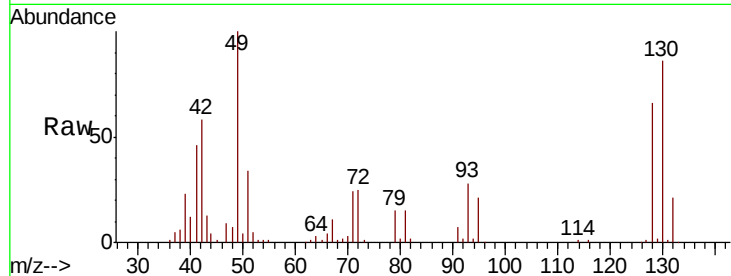
ClientSampleId :

VN0815WBS02

Tot Ion:	128	Resp:	118798
Ion	Ratio	Lower	Upper
128	100		
49	155.1	0.0	378.3
130	129.8	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 15.64 ug/l

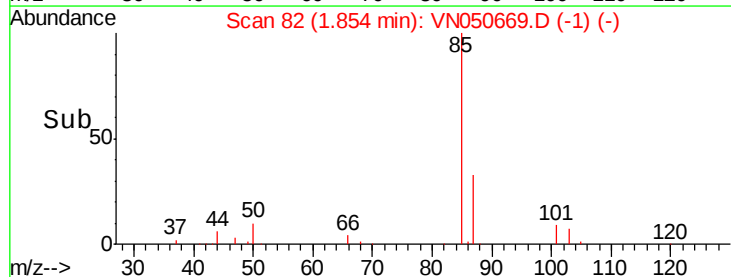
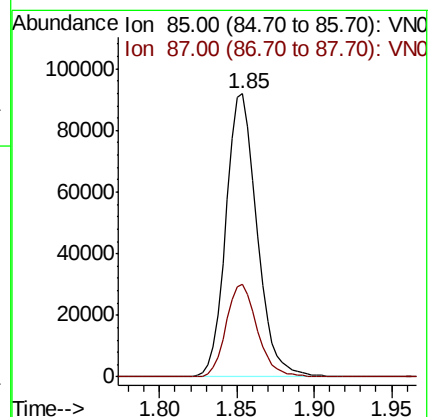
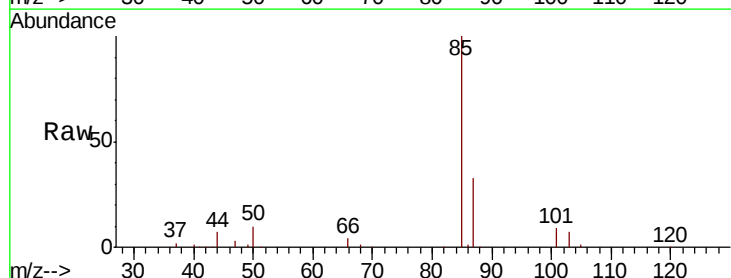
RT: 1.85 min Scan# 82

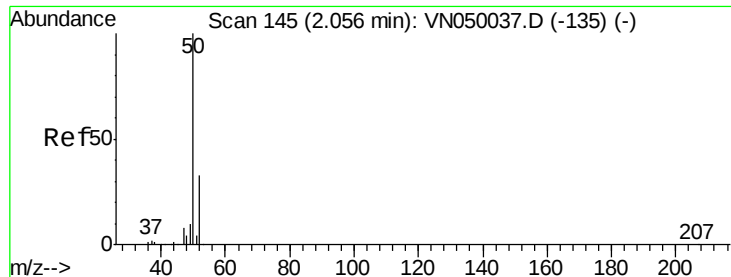
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	85	Resp:	128048
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3

Chloromethane

Concen: 19.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 50 Resp: 165292

Ion Ratio Lower Upper

50 100

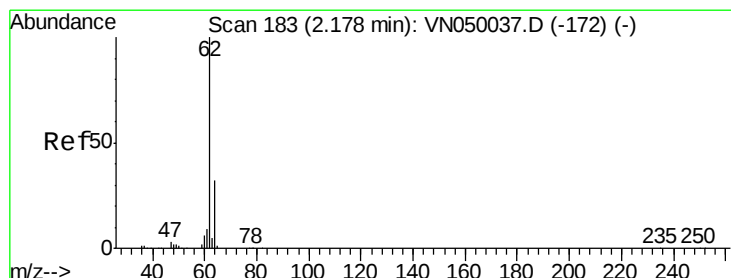
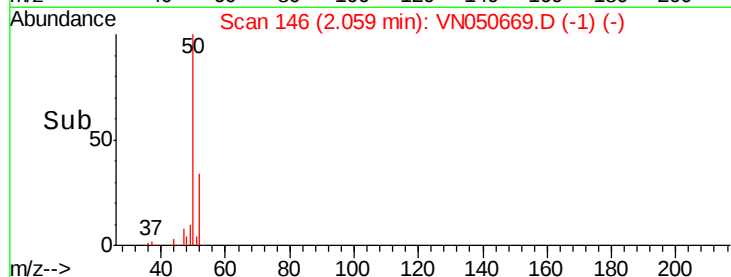
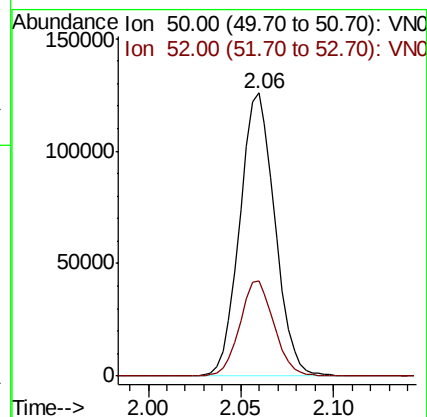
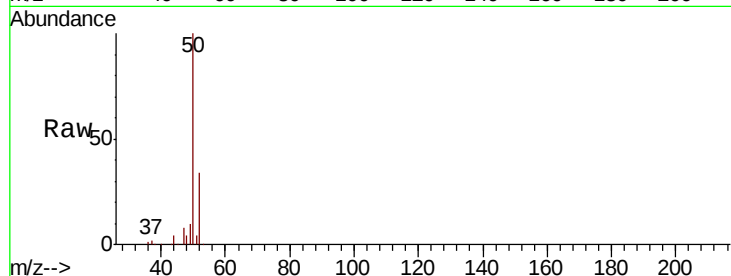
52 33.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.11 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050669.D

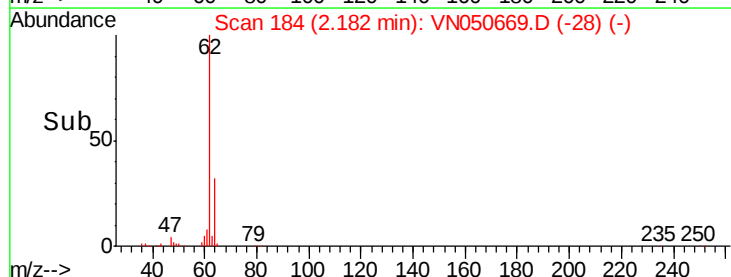
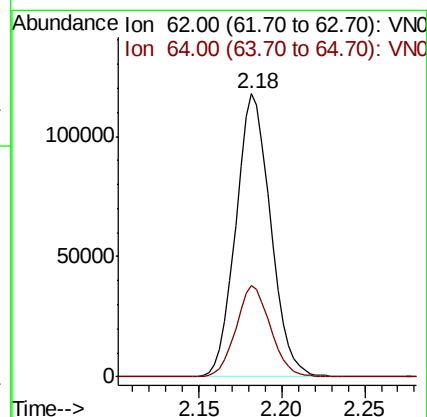
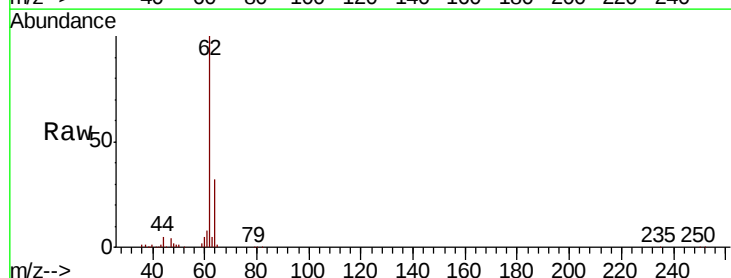
Acq: 15 Aug 2018 21:50

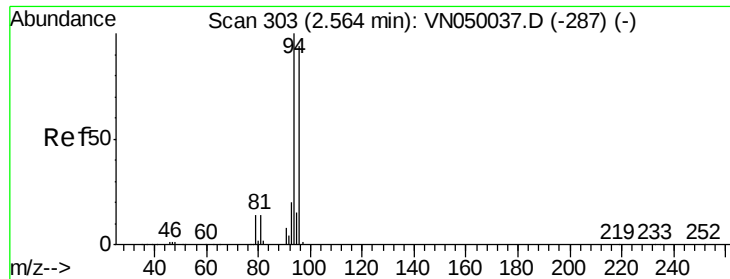
Tgt Ion: 62 Resp: 171768

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 18.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 94 Resp: 98721

Ion Ratio Lower Upper

94 100

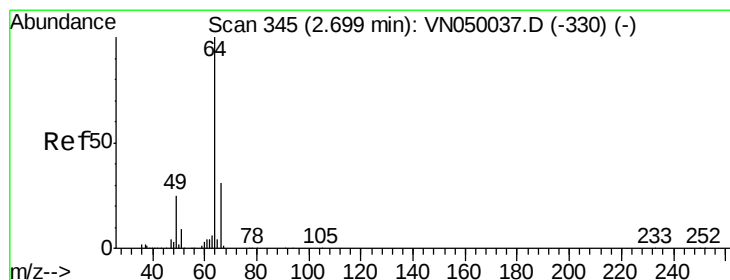
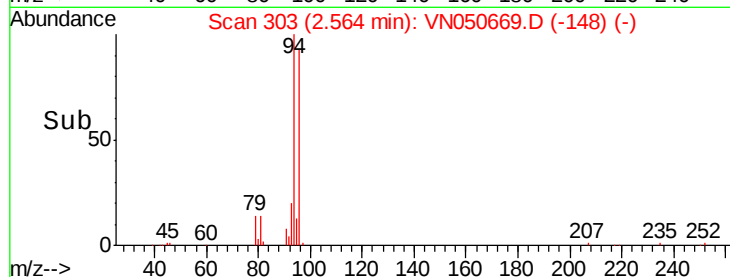
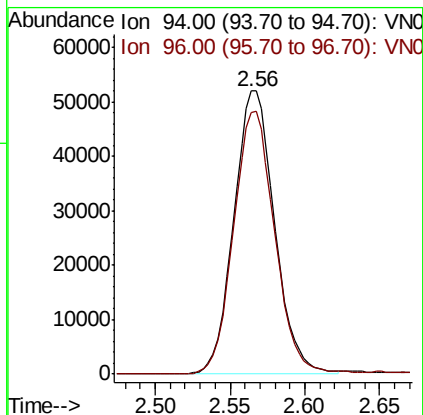
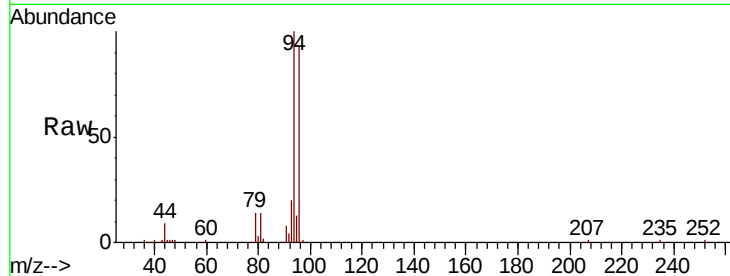
96 92.6 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 19.49 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050669.D

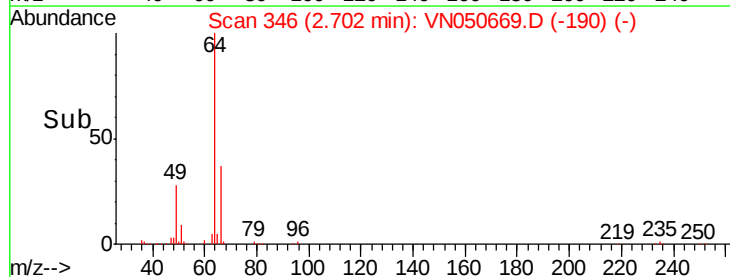
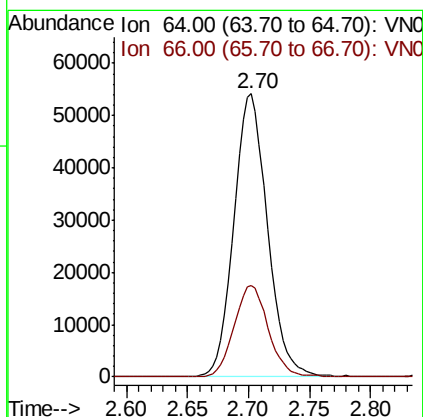
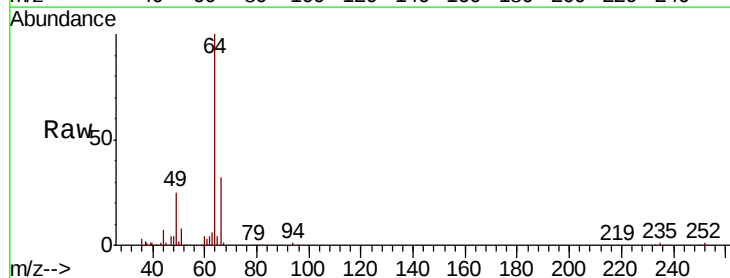
Acq: 15 Aug 2018 21:50

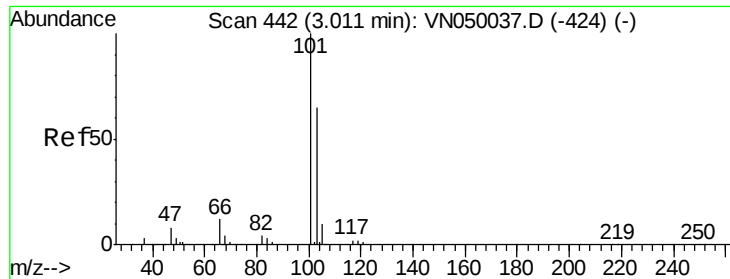
Tgt Ion: 64 Resp: 103563

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4





#7

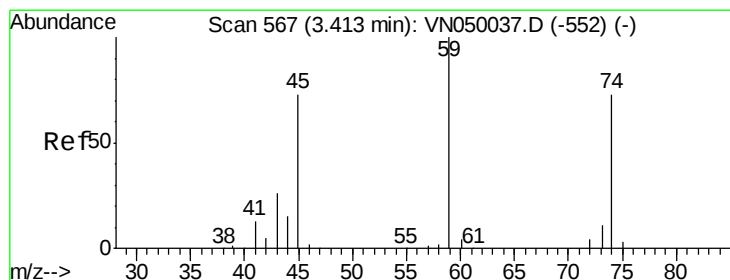
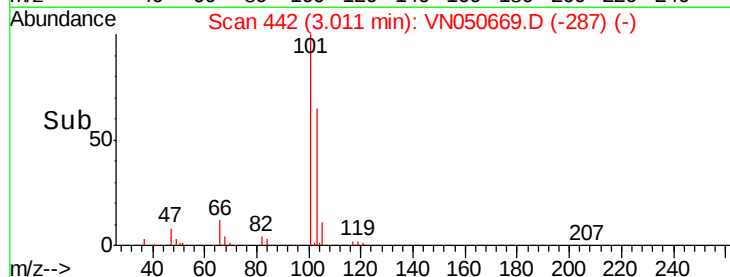
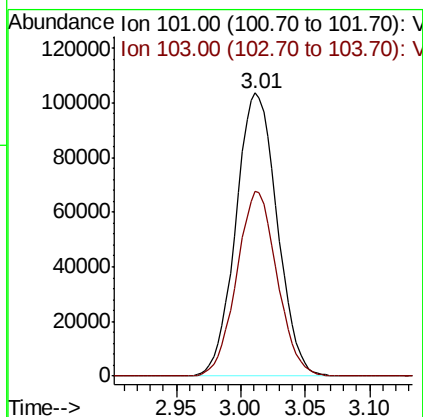
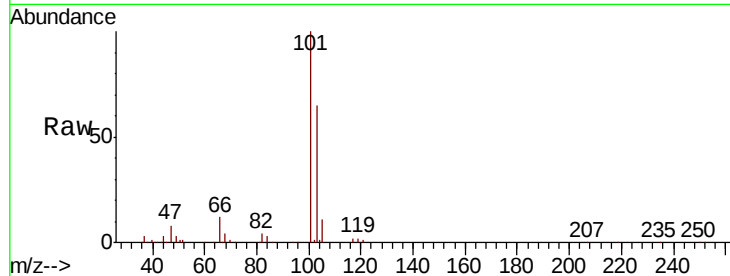
Trichlorofluoromethane
Concen: 19.66 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
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ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.5	77.3

Manual Integrations
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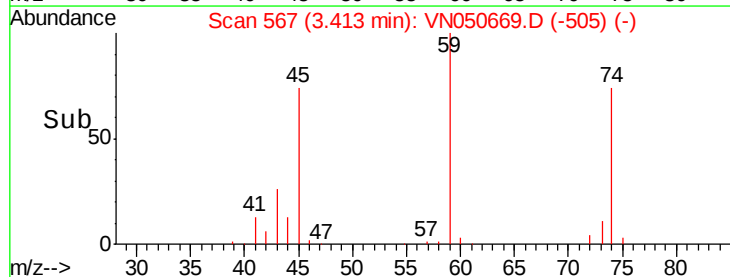
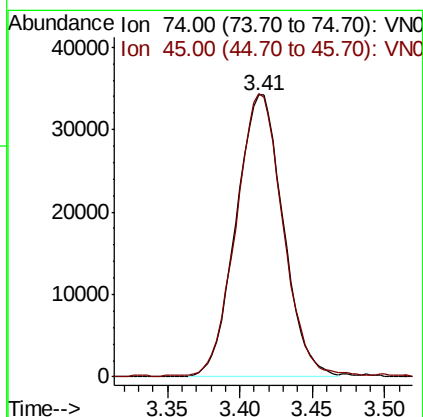
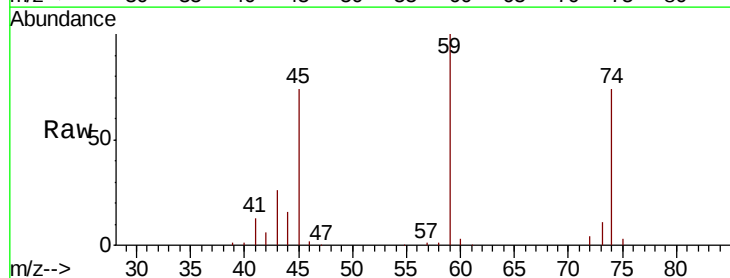
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8/16/2018 1:18:48 PM

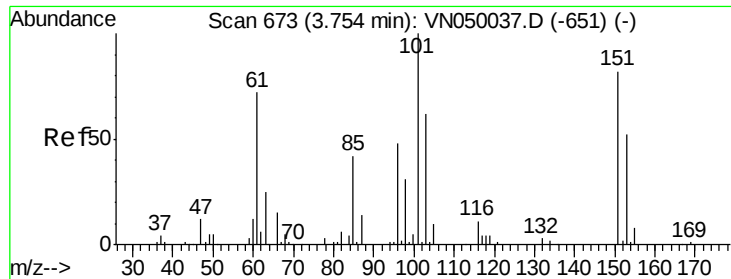


#8

Diethyl Ether
Concen: 19.60 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.65 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

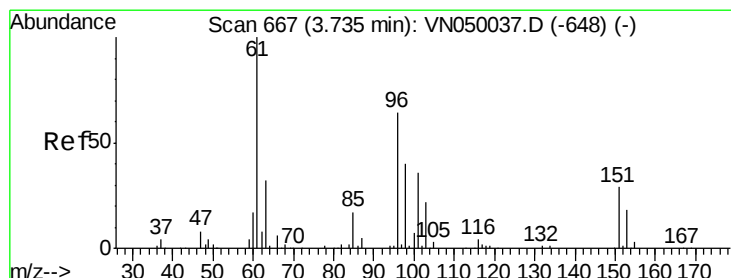
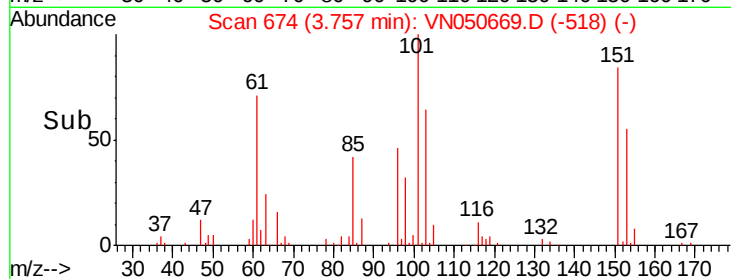
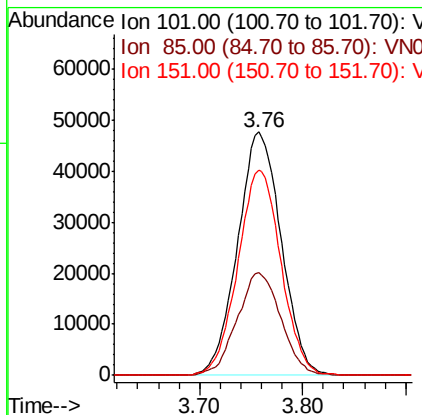
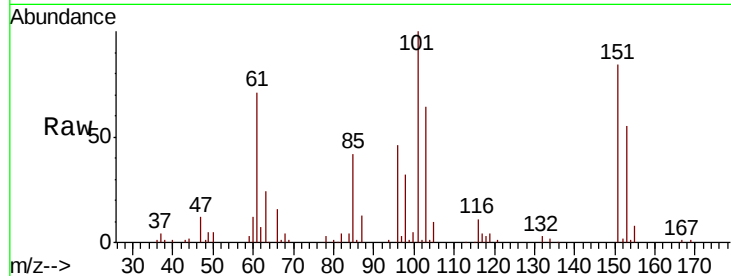
ClientSampleId :

VN0815WBS02

Tot Ion:	101	Resp:	140357
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	83.0
151	83.3	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 19.74 ug/l

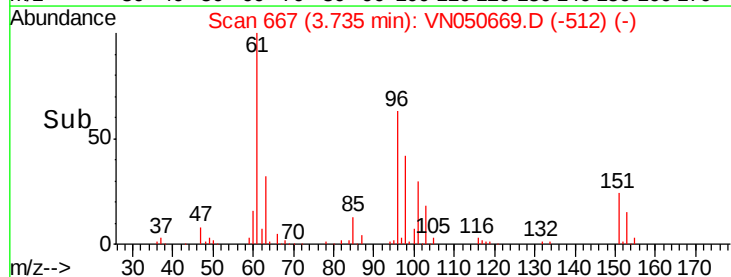
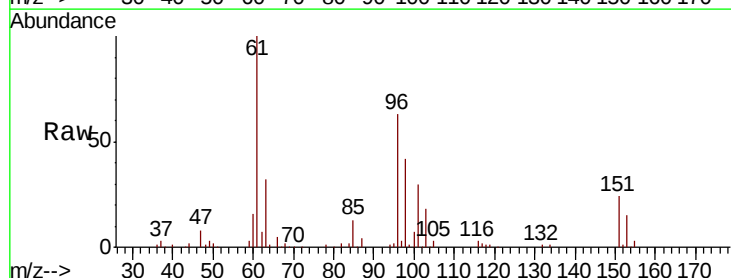
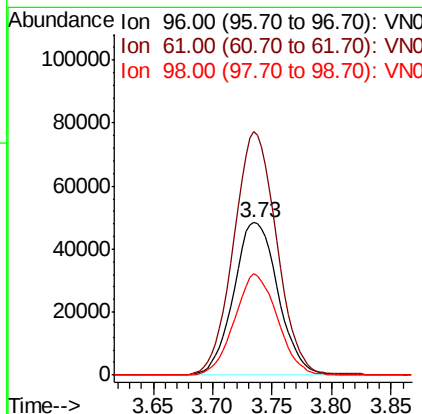
RT: 3.73 min Scan# 667

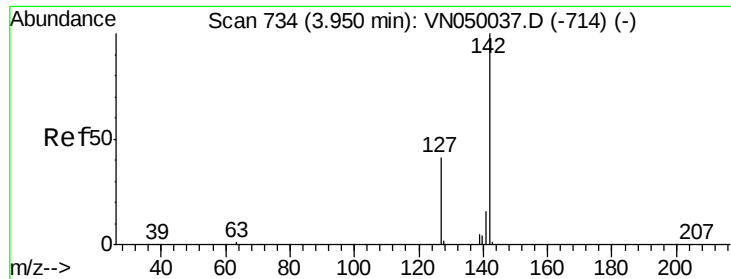
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	96	Resp:	125009
Ion Ratio	Lower	Upper	
96	100		
61	159.4	130.6	195.8
98	66.8	53.5	80.3





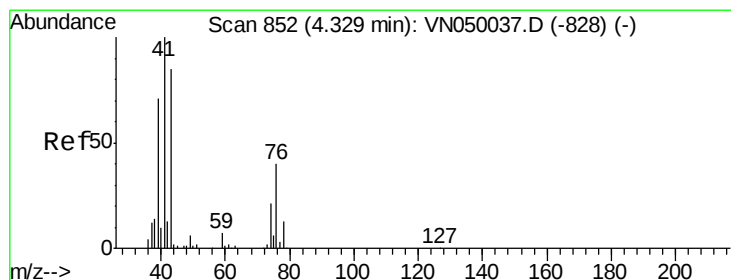
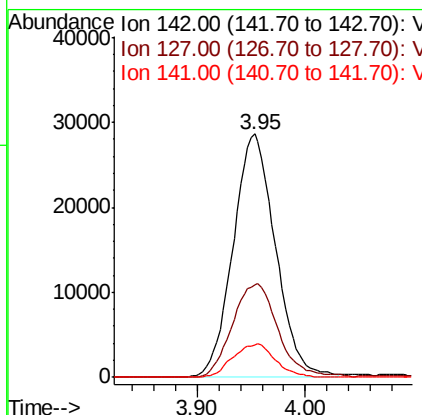
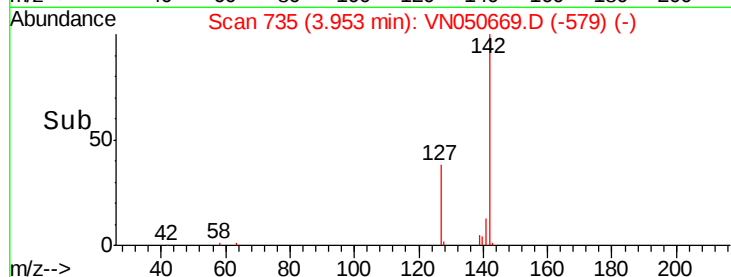
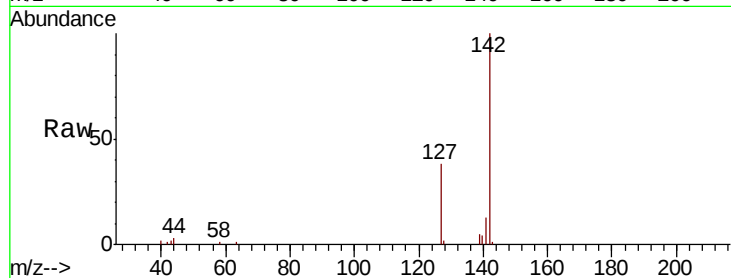
#11
Methyl Iodide
Concen: 8.39 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	20.2	60.5
141	13.3	6.9	20.6

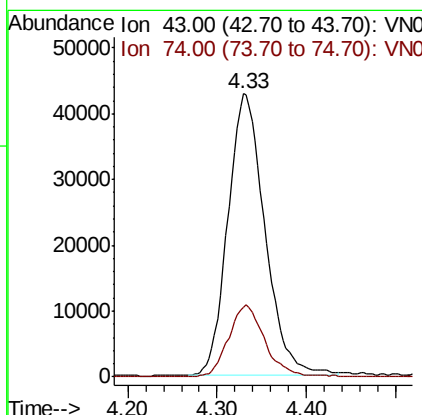
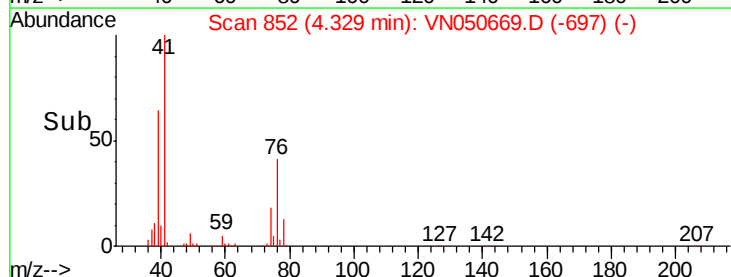
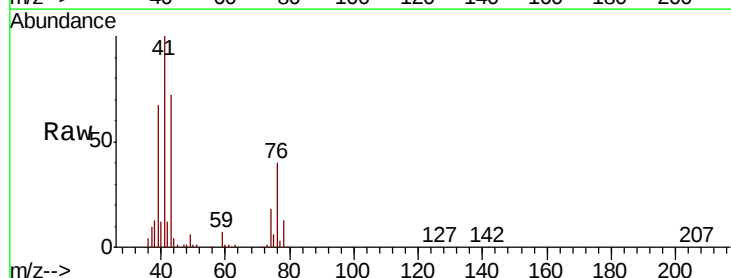
Manual Integrations
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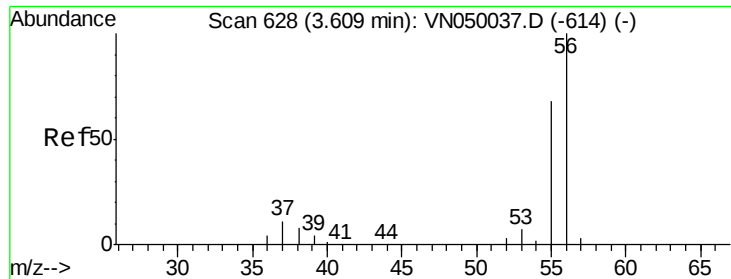
MMDadoda
8/16/2018 1:18:48 PM



#12
Methyl Acetate
Concen: 16.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.3	28.9





#13

Acrolein

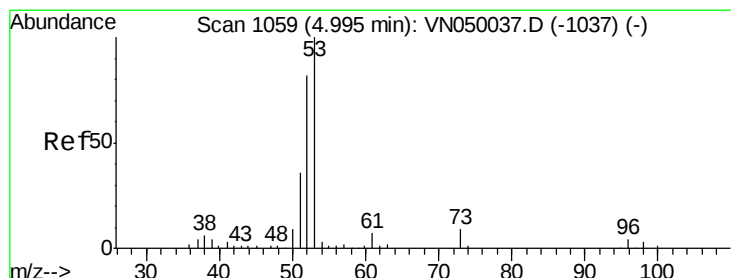
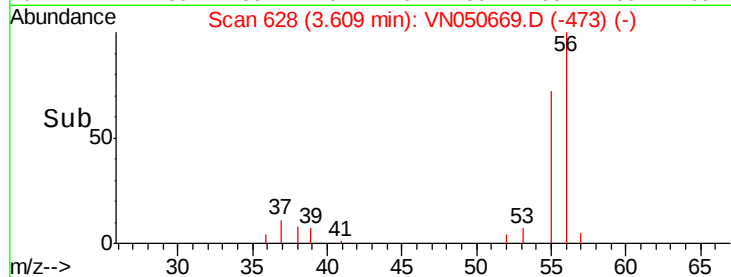
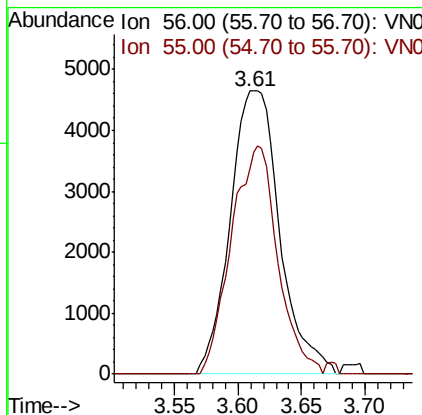
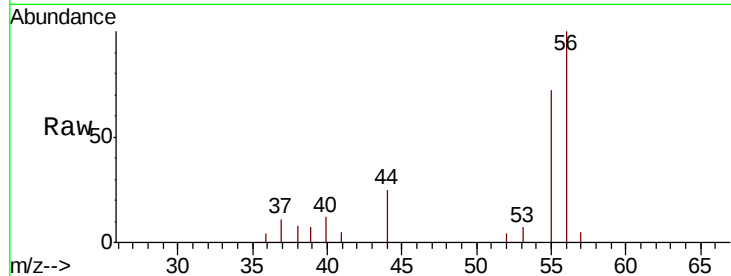
Concen: 28.08 ug/l m
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	75.2	58.6	88.0	

Manual Integrations
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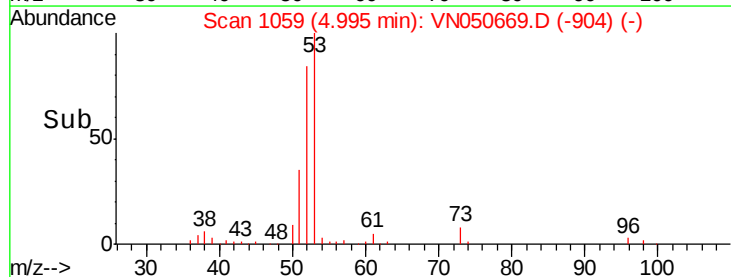
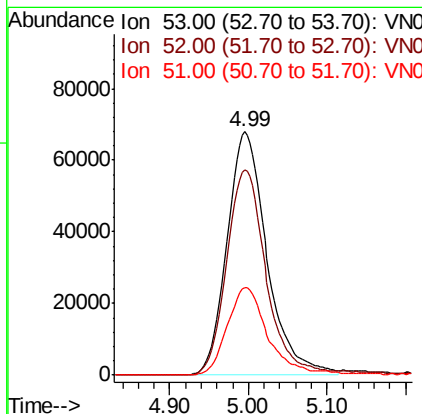
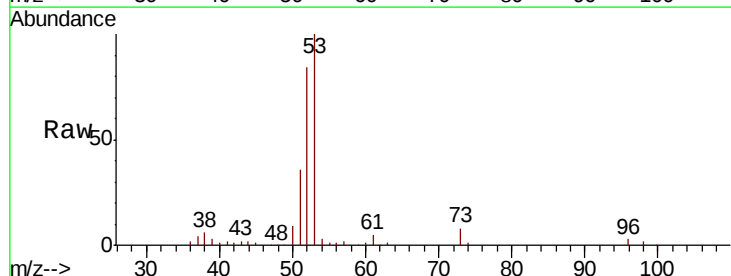


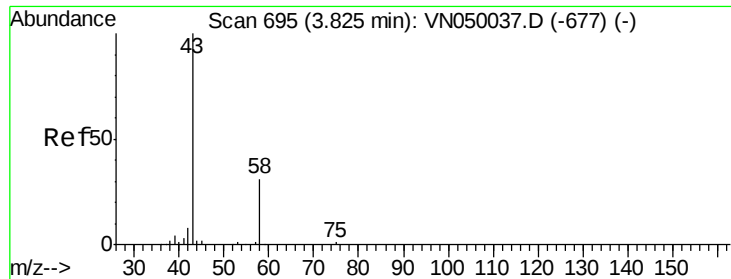
#14

Acrylonitrile

Concen: 99.37 ug/l
RT: 4.99 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.2	41.5	124.5	
51	36.0	18.7	56.1	





#15

Acetone

Concen: 113.61 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 58 Resp: 73102

Ion Ratio Lower Upper

58 100

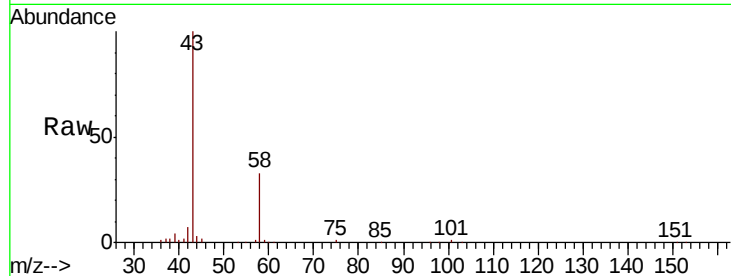
43 303.0 252.0 378.0

Manual Integrations

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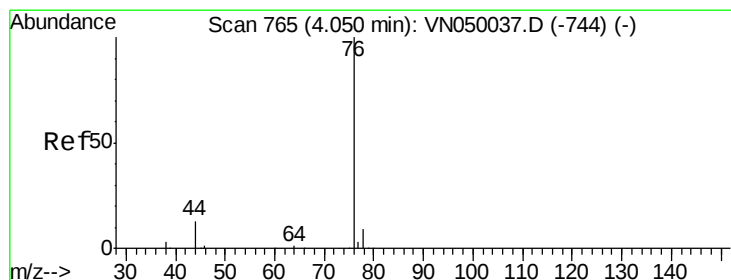
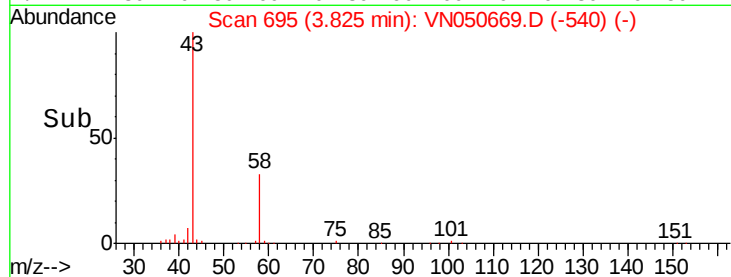
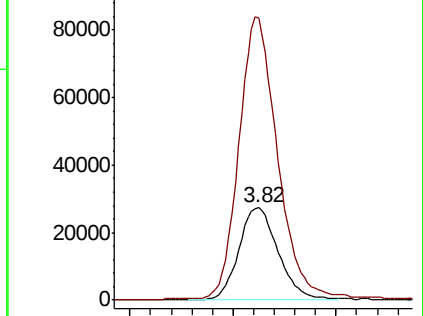
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.82 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050669.D

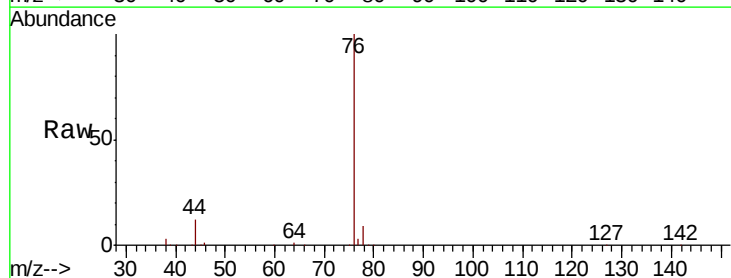
Acq: 15 Aug 2018 21:50

Tgt Ion: 76 Resp: 384095

Ion Ratio Lower Upper

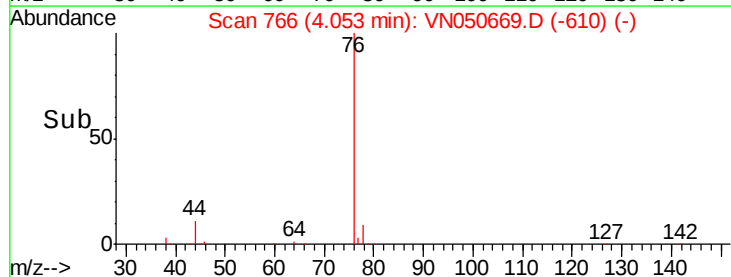
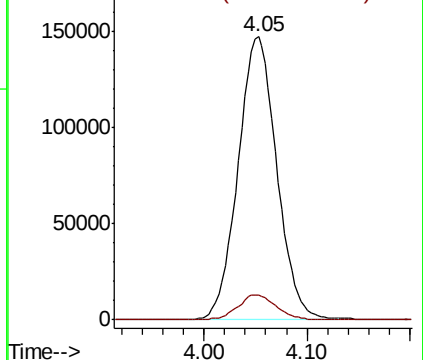
76 100

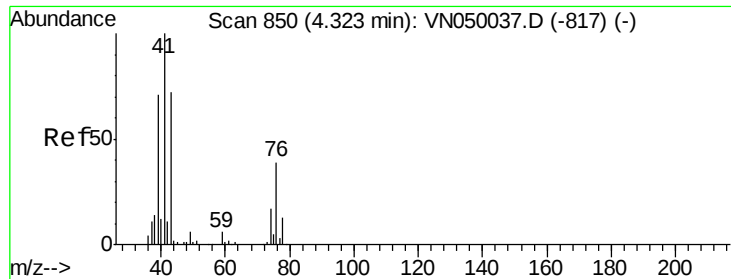
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

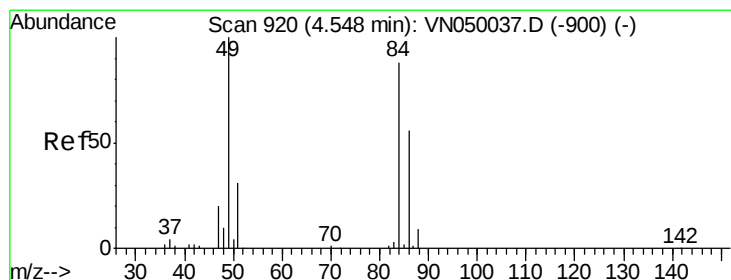
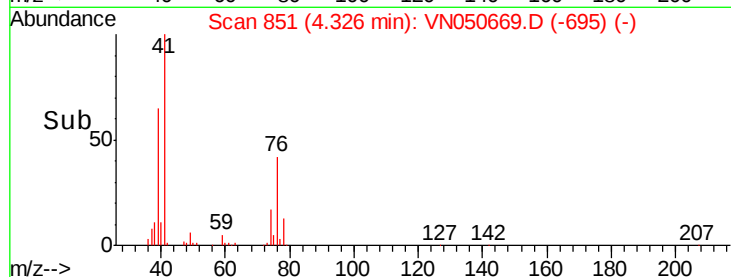
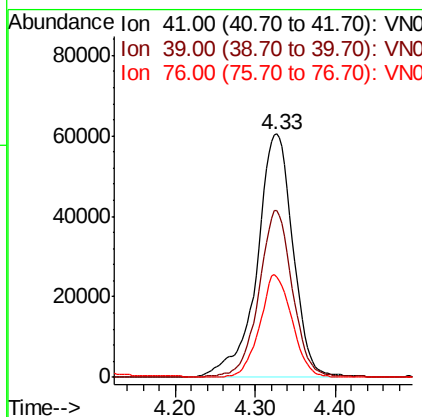
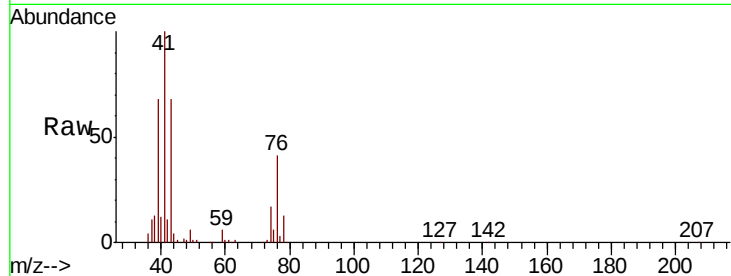
ClientSampleId :

VN0815WBS02

Tot Ion:	41	Resp:	188166
Ion	Ratio	Lower	Upper
41	100		
39	68.4	35.4	106.3
76	40.8	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 20.56 ug/l

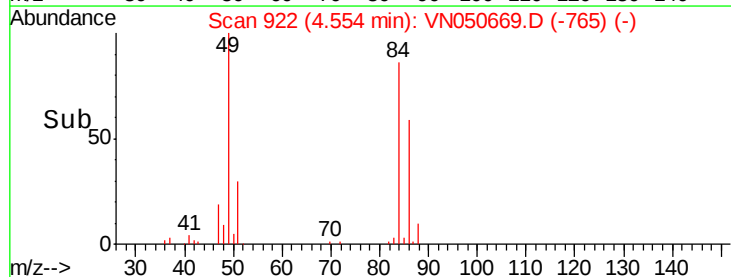
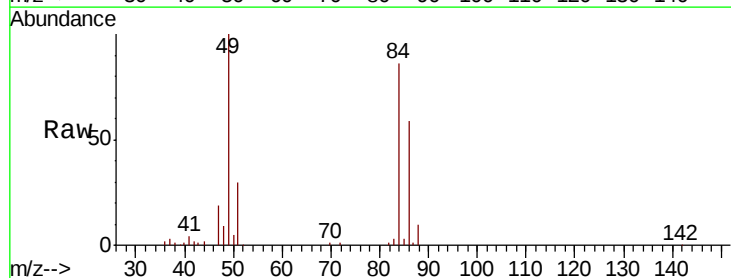
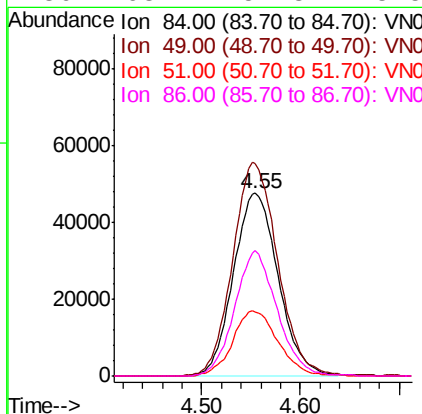
RT: 4.55 min Scan# 922

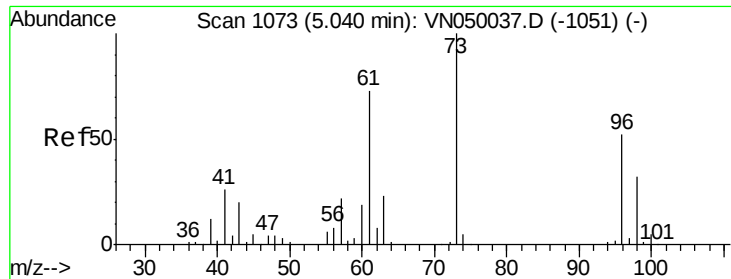
Delta R.T. 0.01 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	84	Resp:	150271
Ion	Ratio	Lower	Upper
84	100		
49	115.5	95.1	142.7
51	35.4	28.8	43.2
86	68.4	52.3	78.5





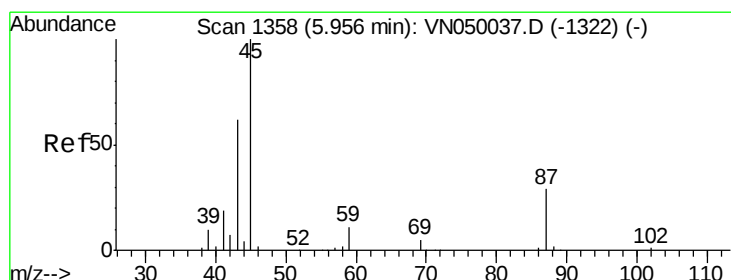
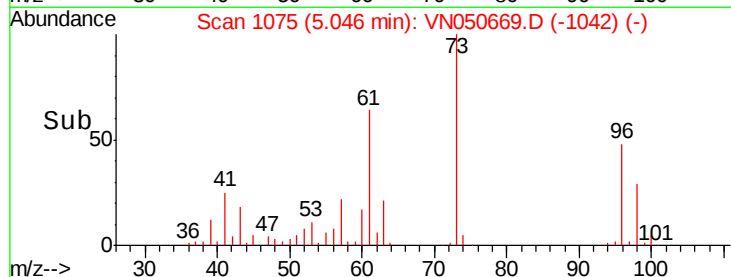
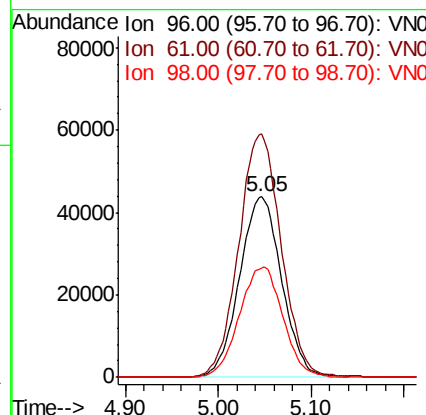
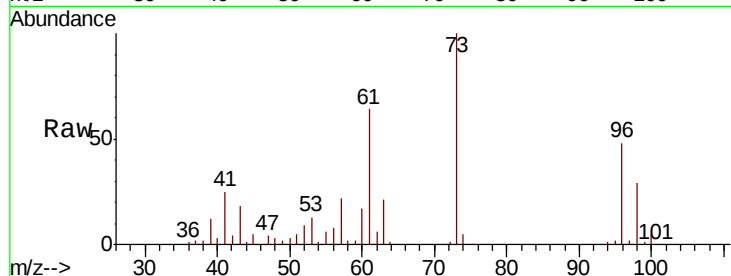
#19
trans-1,2-Dichloroethene
Concen: 20.42 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	112.1	168.1
98	60.6	51.3	76.9

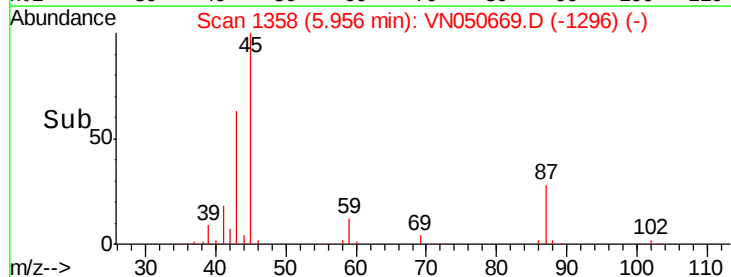
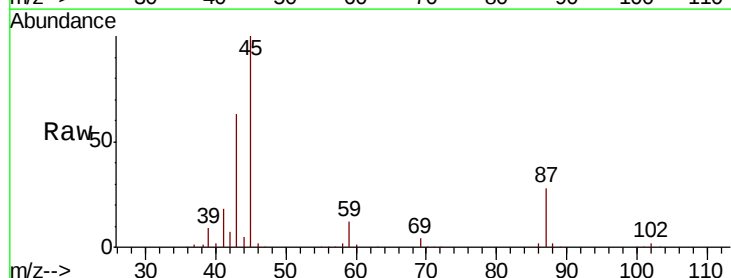
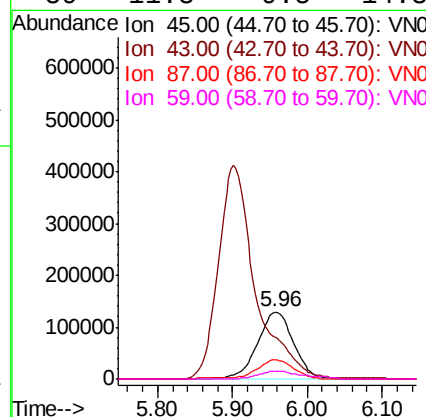
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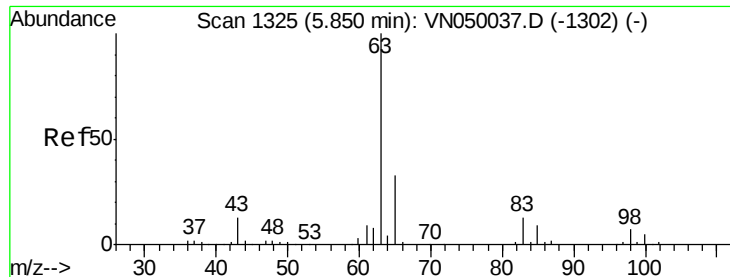
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#20
Diisopropyl ether
Concen: 21.11 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.6	70.0
87	28.3	22.3	33.5
59	11.8	9.5	14.3





#21

1,1-Dichloroethane

Concen: 20.72 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

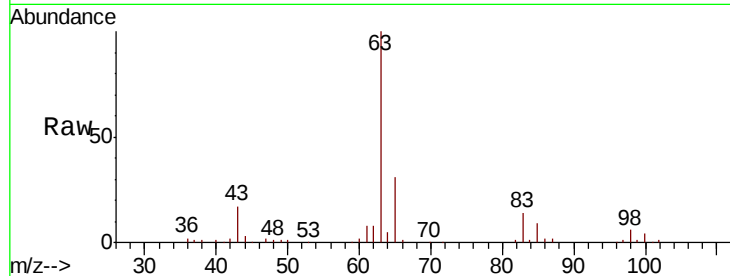
ClientSampleId :

VN0815WBS02

Tot Ion:	63	Resp:	267216
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	3.5	2.3	6.8

Manual Integrations
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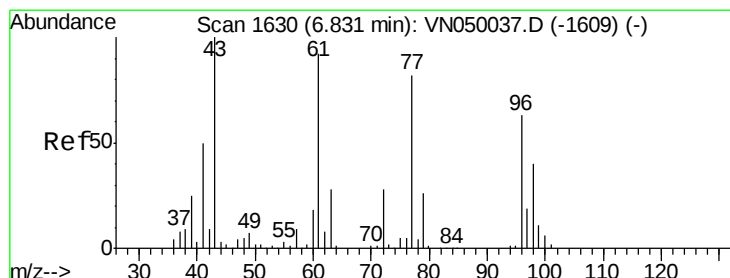
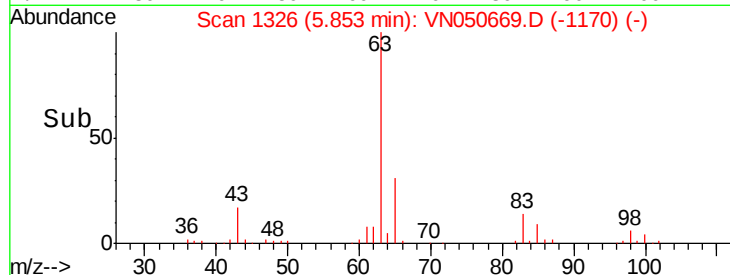
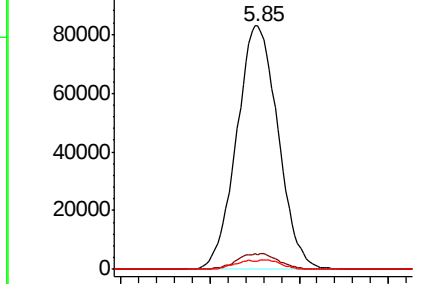
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Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.25 ug/l

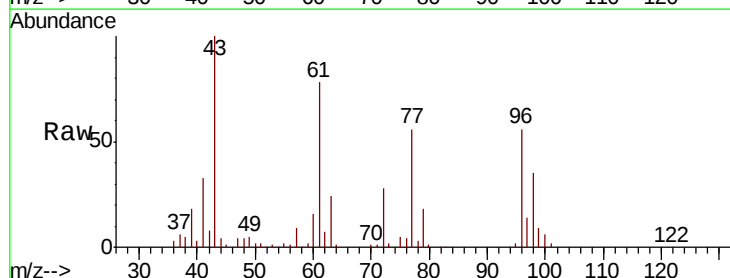
RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

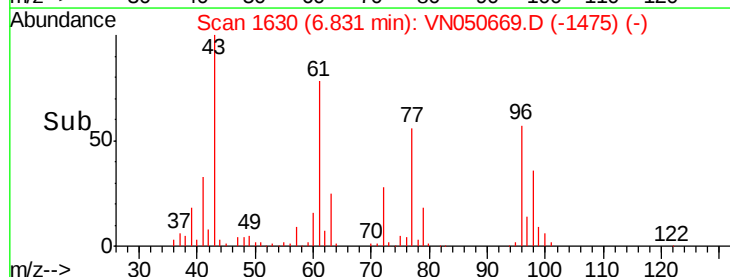
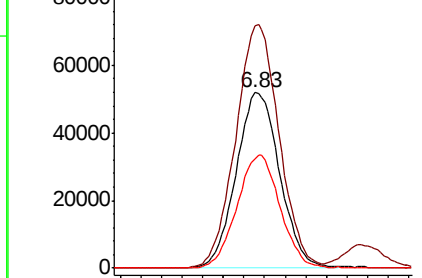
Tgt Ion:	96	Resp:	152316
Ion	Ratio	Lower	Upper
96	100		
61	138.5	114.2	171.2
98	63.6	51.7	77.5

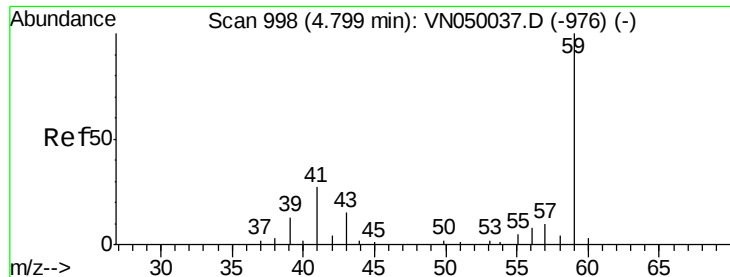


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

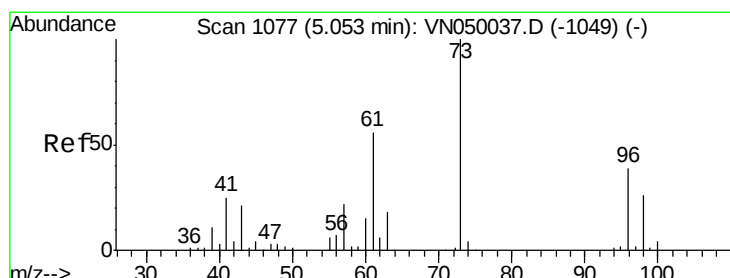
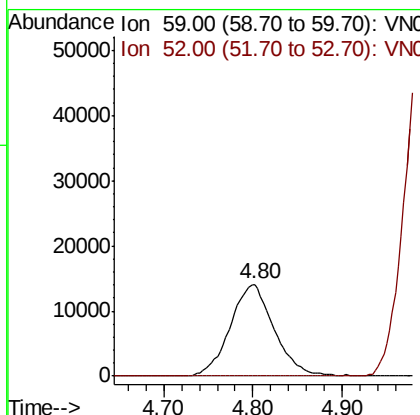
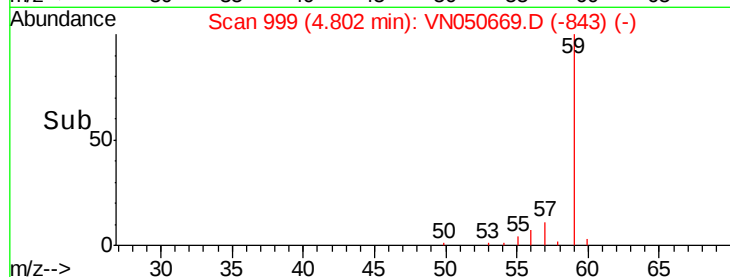
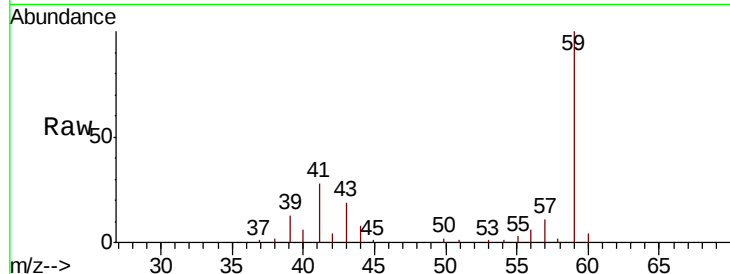
tert-Butyl Alcohol
 Concen: 88.89 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion: 59 Resp: 48086
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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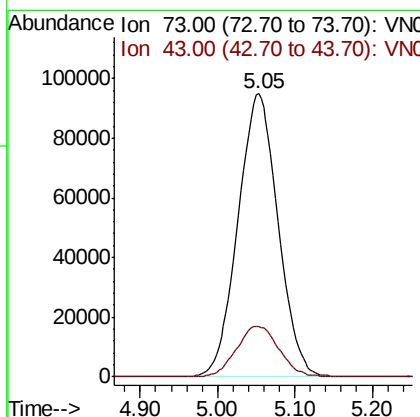
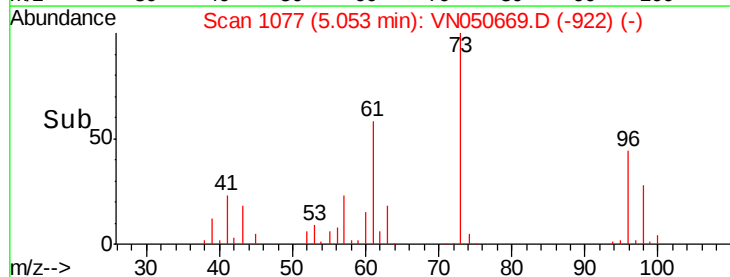
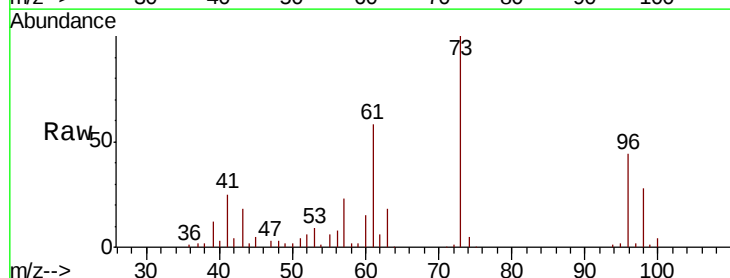
MMDadoda
 8/16/2018 1:18:48 PM

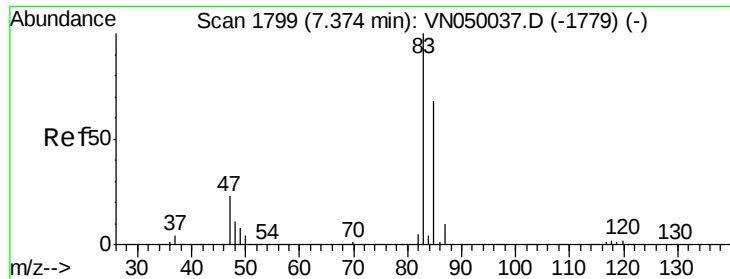


#24

Methyl tert-Butyl Ether
 Concen: 19.83 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 73 Resp: 342538
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.5 23.3





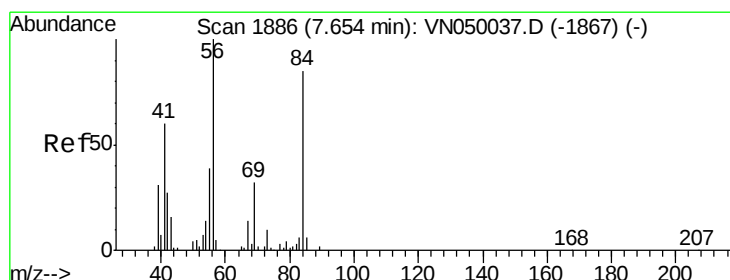
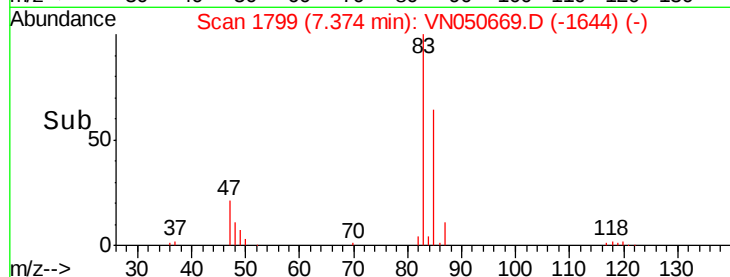
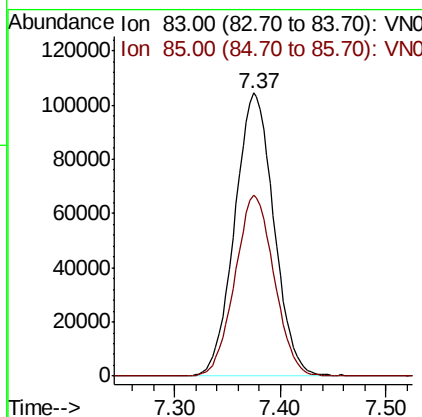
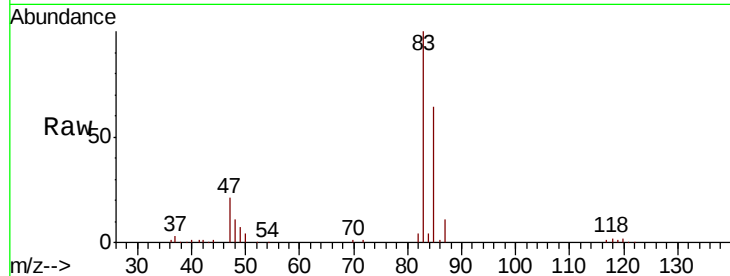
#25
Chloroform
Concen: 20.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	83	Resp	268997
Ion Ratio	100	Lower	Upper
85	63.8	52.1	78.1

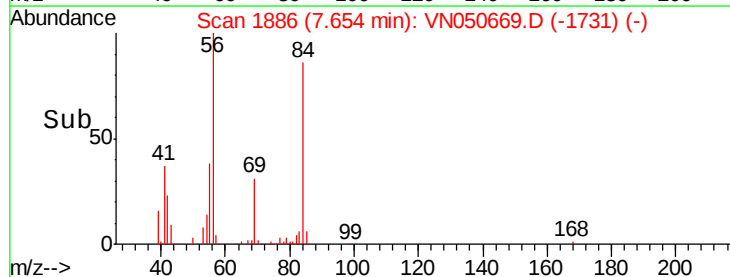
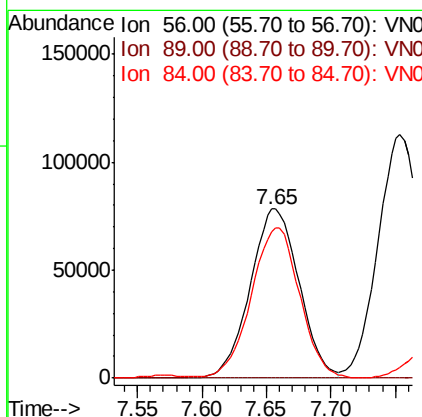
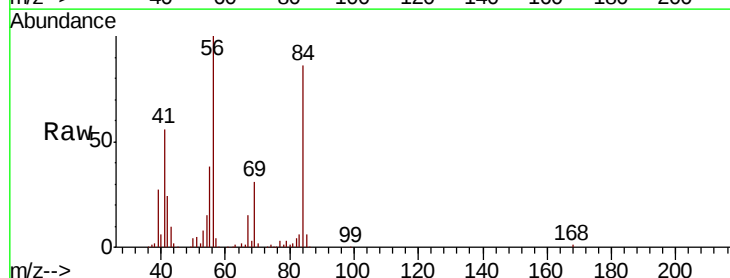
Manual Integrations
APPROVED

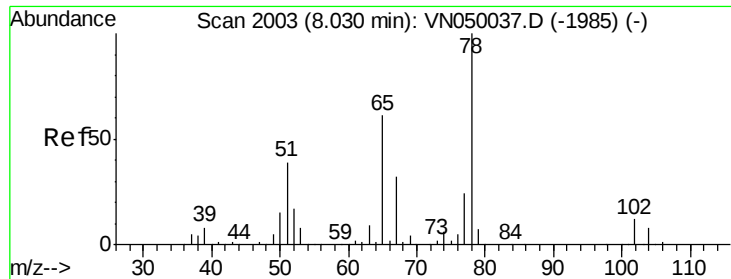
MMDadoda
8/16/2018 1:18:48 PM



#26
Cyclohexane
Concen: 20.19 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	56	Resp	206948
Ion Ratio	100	Lower	Upper
89	0.0	3.0	4.4#
84	88.2	69.8	104.8





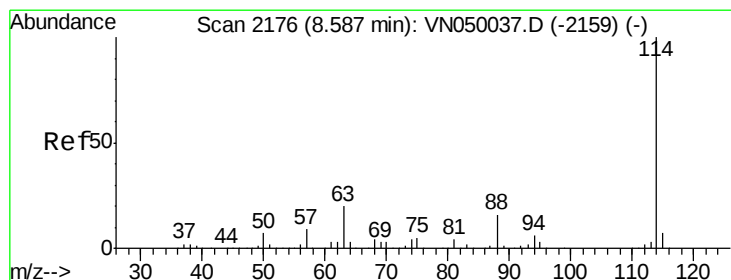
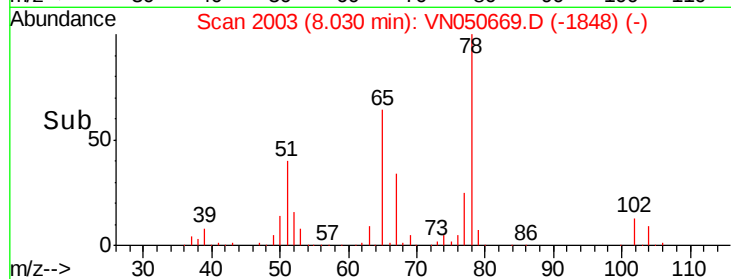
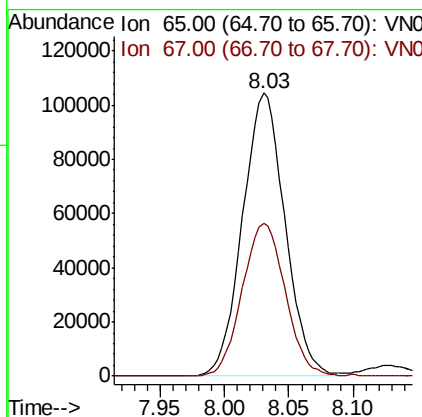
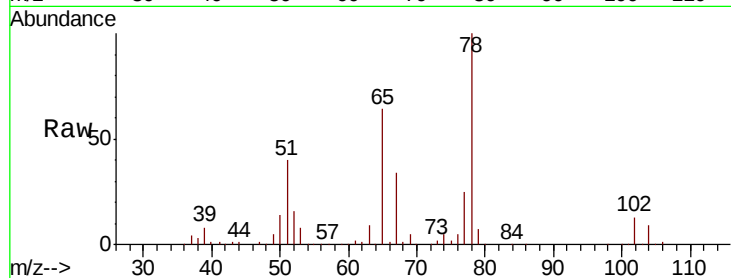
#27
 1,2-Dichloroethane-d4
 Concen: 29.68 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	42.7	64.1

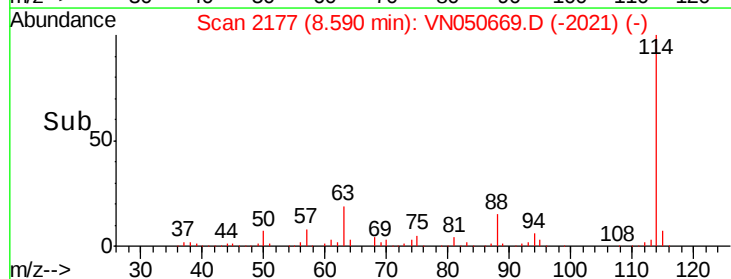
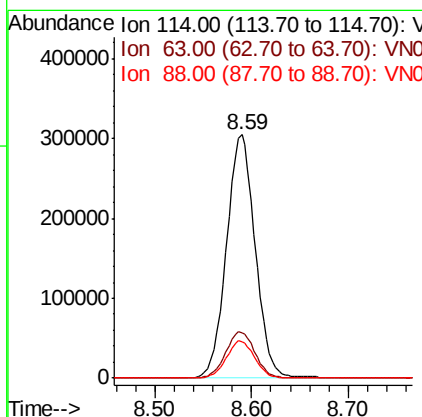
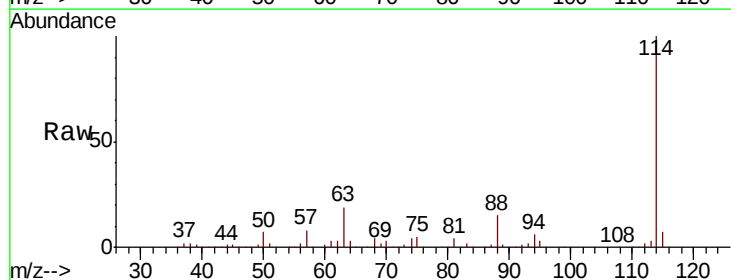
Manual Integrations
 APPROVED

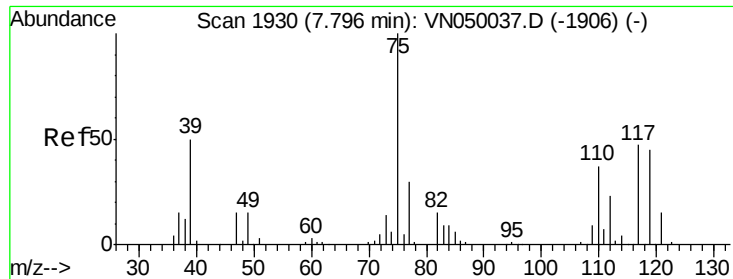
MMDadoda
 8/16/2018 1:18:48 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

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





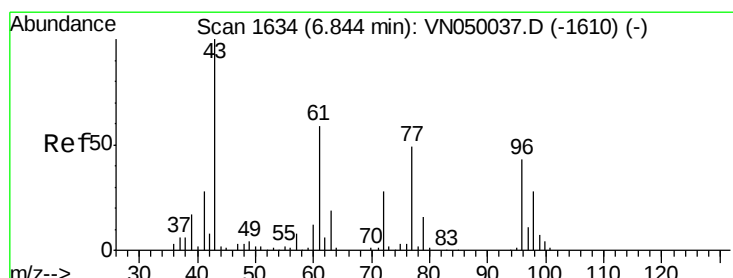
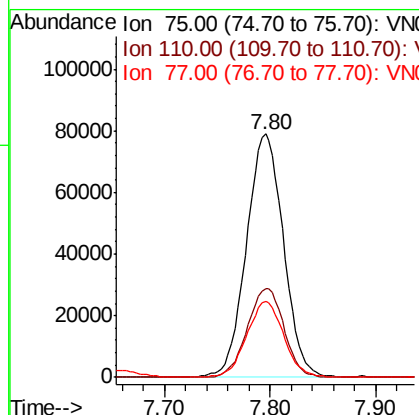
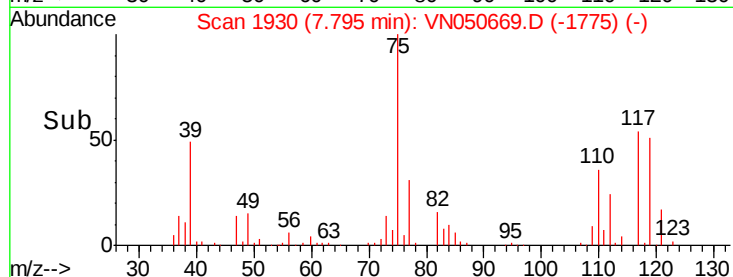
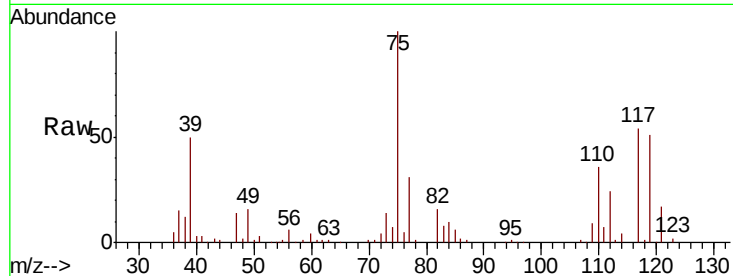
#29
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	73.2
77	30.8	0.0	62.0

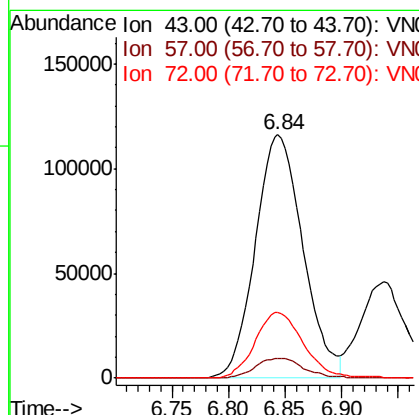
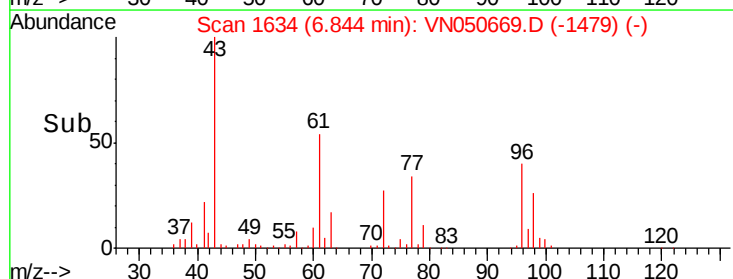
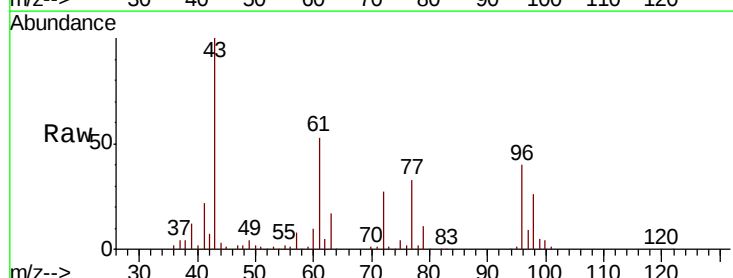
Manual Integrations
 APPROVED

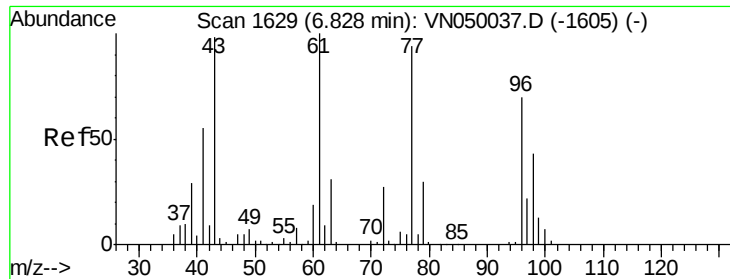
MMDadoda
 8/16/2018 1:18:48 PM



#30
 2-Butanone
 Concen: 110.37 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.8	10.2
72	27.6	21.4	32.0





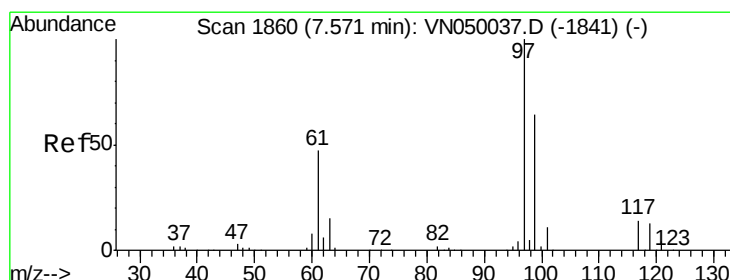
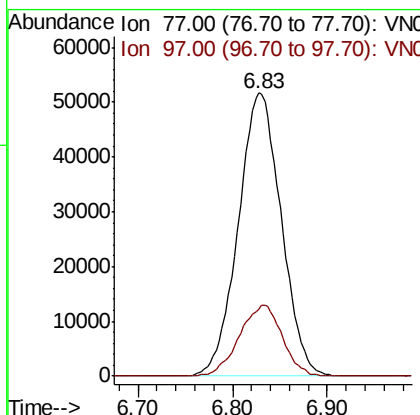
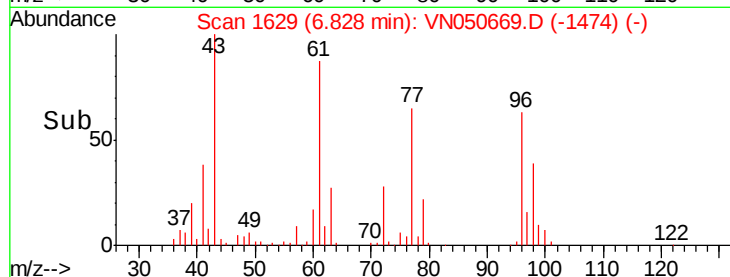
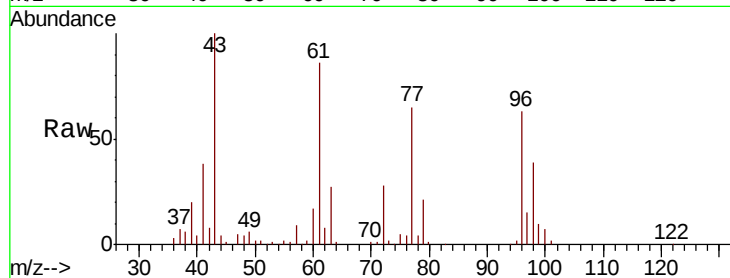
#31
 2,2-Dichloropropane
 Concen: 15.10 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion: 77 Resp: 162862
 Ion Ratio Lower Upper
 77 100
 97 25.0 18.9 28.3

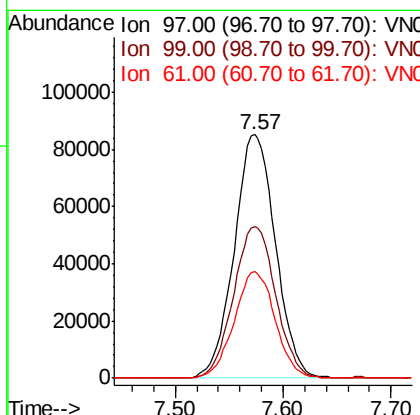
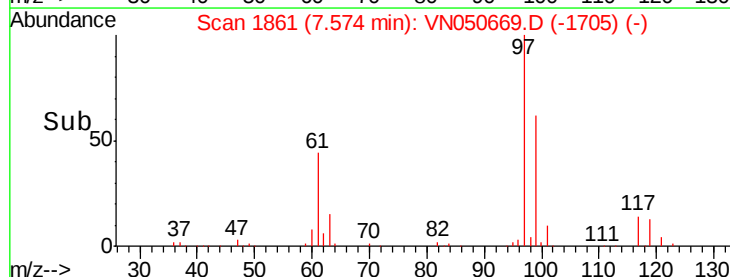
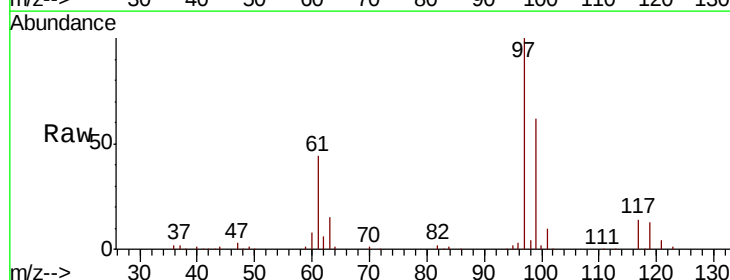
Manual Integrations
 APPROVED

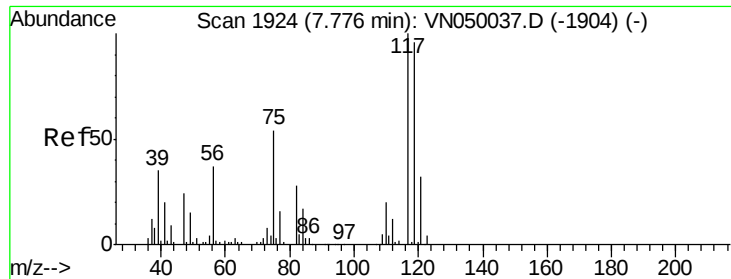
MMDadoda
 8/16/2018 1:18:48 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.70 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 97 Resp: 226208
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.2 76.8
 61 43.6 35.3 52.9





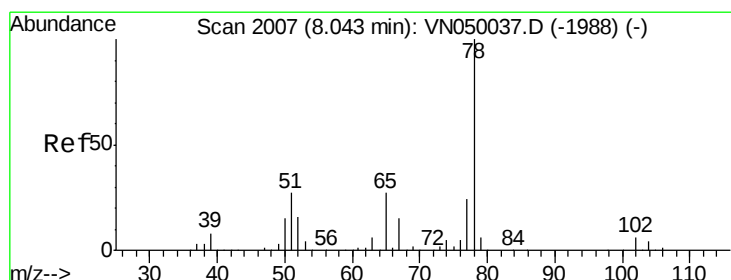
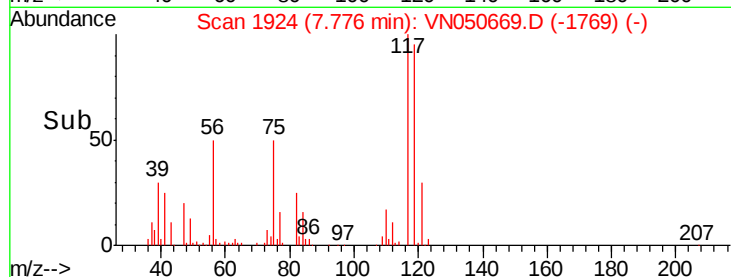
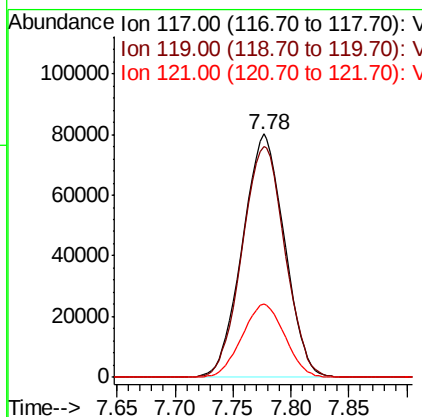
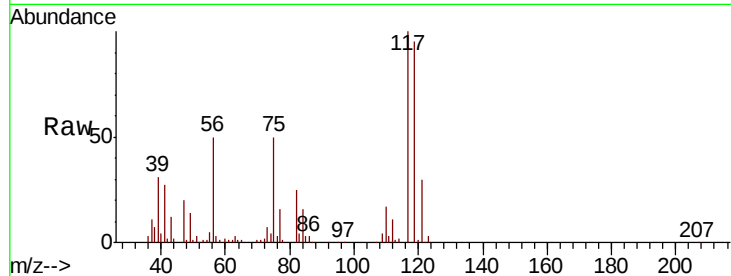
#33
Carbon Tetrachloride
Concen: 19.77 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.9	115.3
121	30.1	24.4	36.6

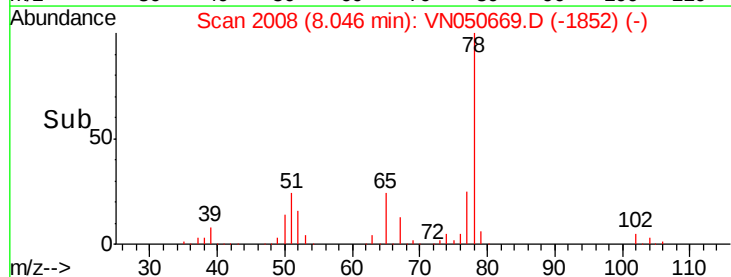
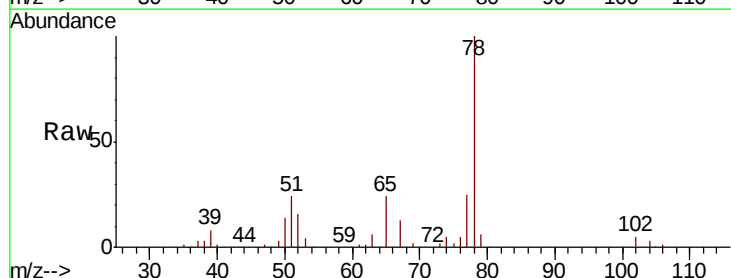
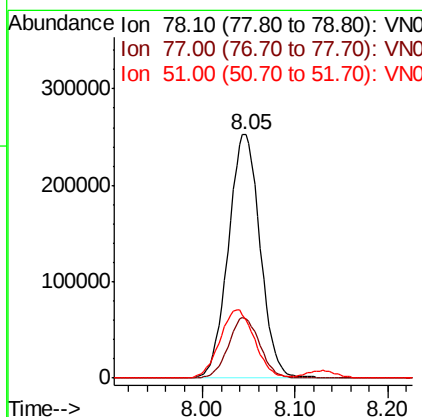
Manual Integrations
APPROVED

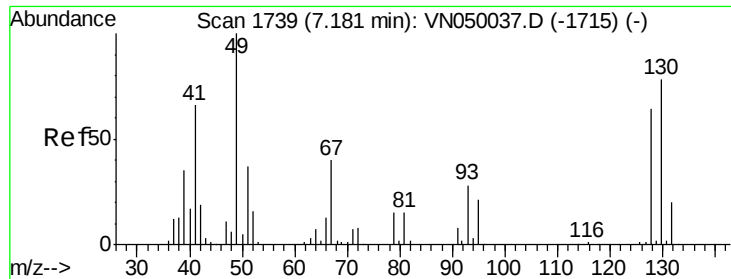
MMDadoda
8/16/2018 1:18:48 PM



#34
Benzene
Concen: 20.29 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7
51	23.6	21.0	31.4





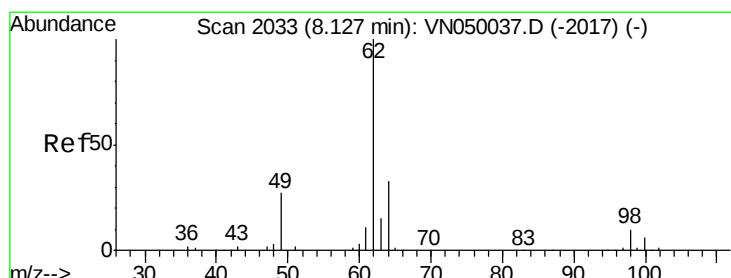
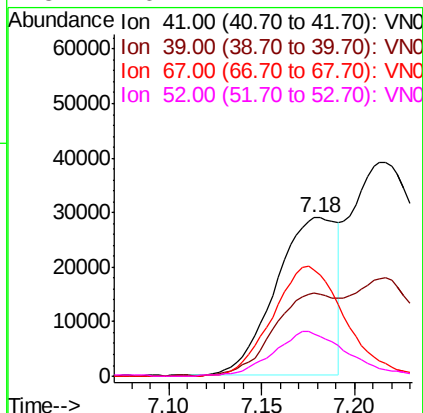
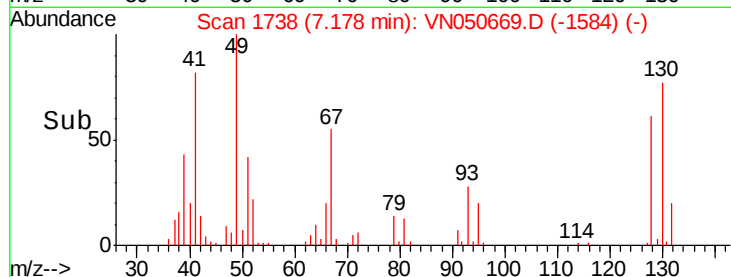
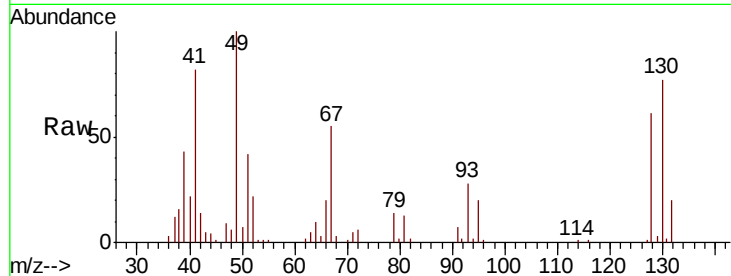
#35
Methacrylonitrile
Concen: 19.06 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	27.6	82.7	
67	67.4	35.1	105.5	
52	26.7	14.1	42.4	

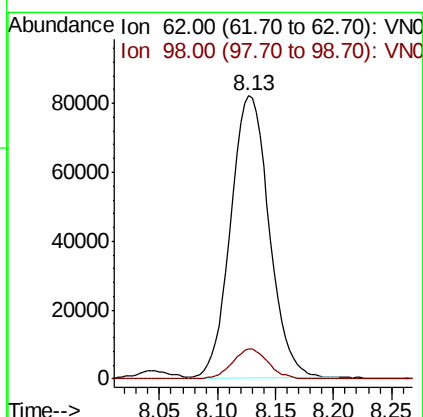
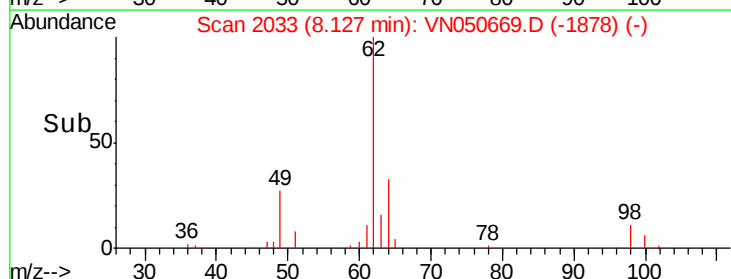
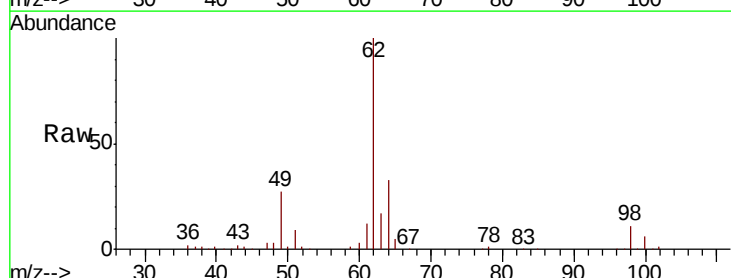
Manual Integrations
APPROVED

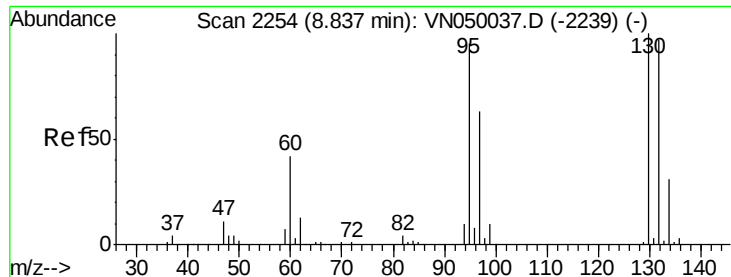
MMDadoda
8/16/2018 1:18:48 PM



#36
1,2-Dichloroethane
Concen: 19.40 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	7.8	11.6	





#37

Trichloroethene

Concen: 19.67 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion:130 Resp: 152865

Ion Ratio Lower Upper

130 100

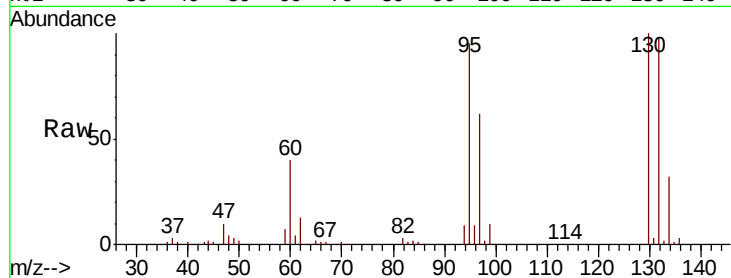
95 95.1 79.7 119.5

Manual Integrations

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8/16/2018 1:18:48 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

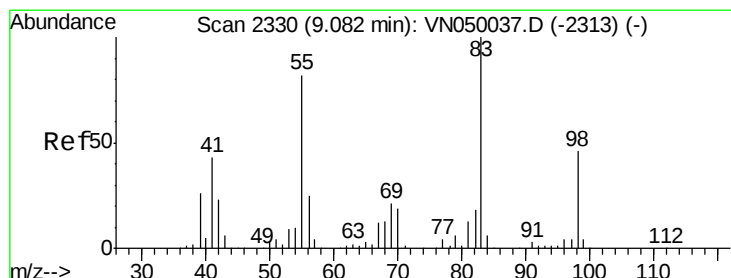
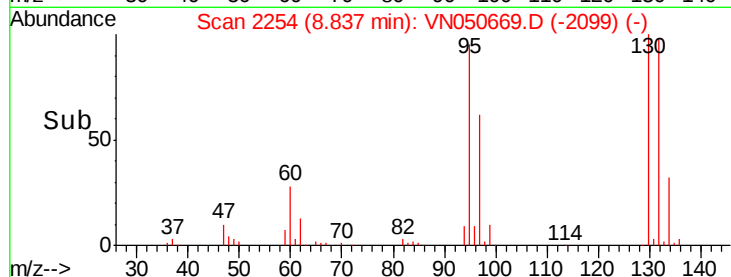
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.55 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

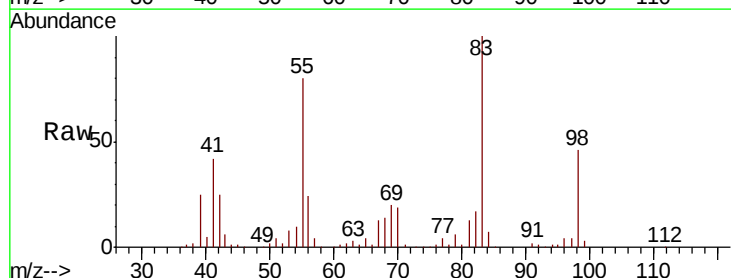
Tgt Ion: 83 Resp: 190767

Ion Ratio Lower Upper

83 100

55 80.4 39.3 117.8

98 46.3 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

120000

100000

80000

60000

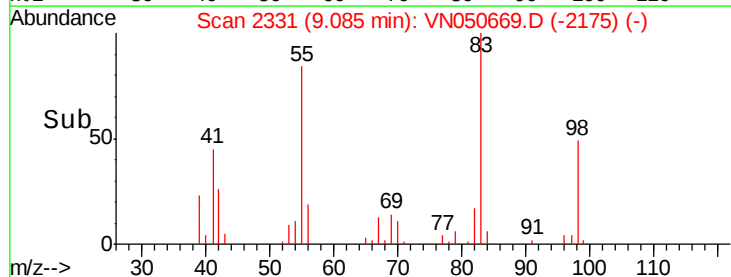
40000

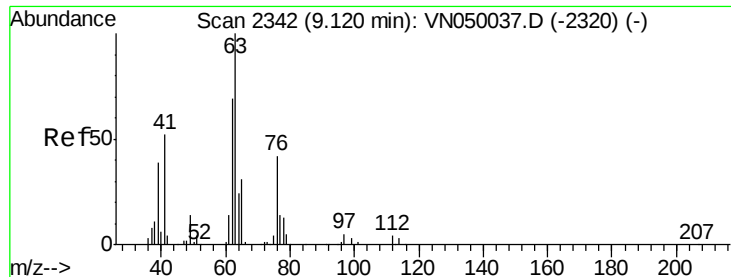
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 20.39 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 63 Resp: 159150

Ion Ratio Lower Upper

63 100

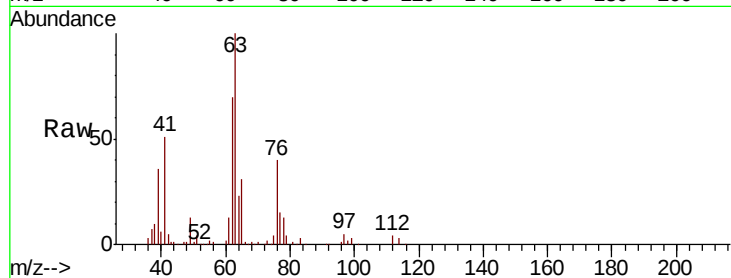
65 30.8 24.2 36.2

Manual Integrations

APPROVED

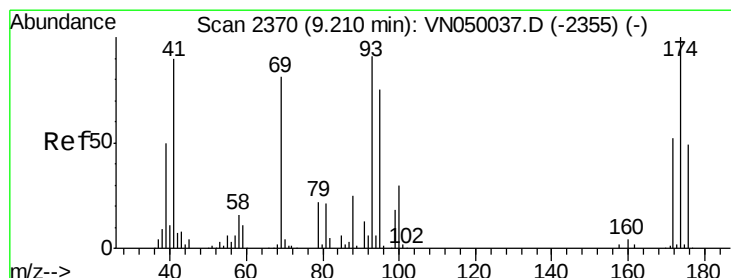
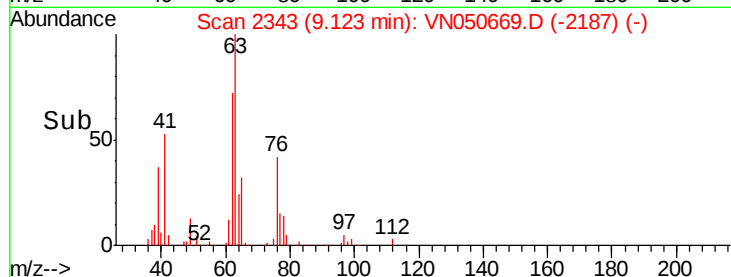
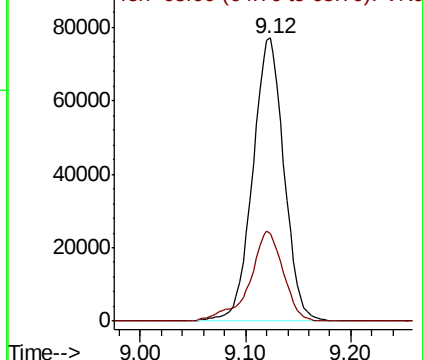
MMDadoda

8/16/2018 1:18:48 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.83 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

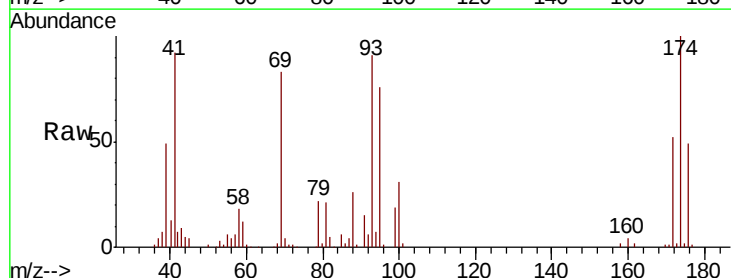
Tgt Ion: 93 Resp: 95692

Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

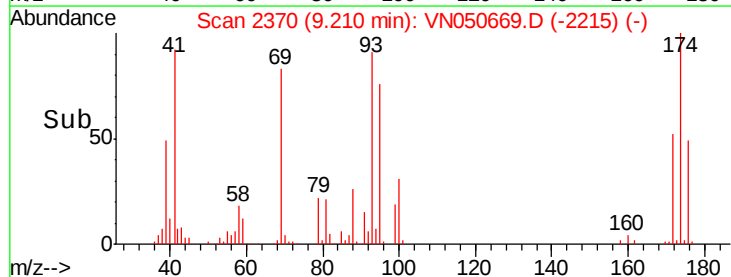
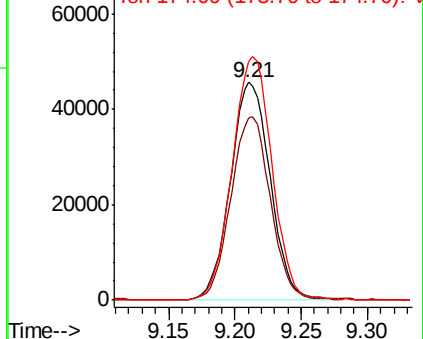
174 111.3 0.0 223.2

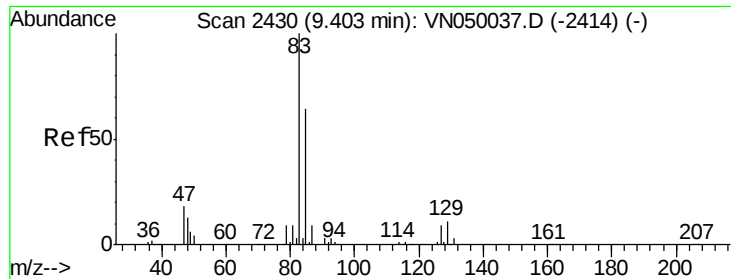


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.35 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

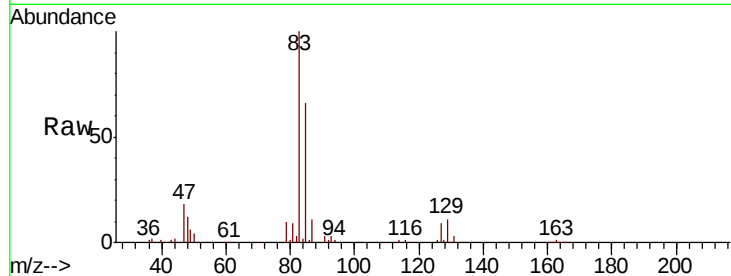
ClientSampleId :

VN0815WBS02

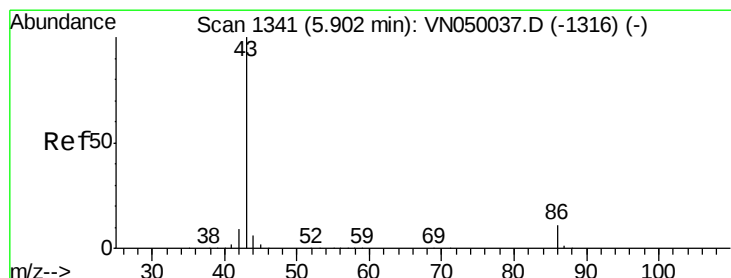
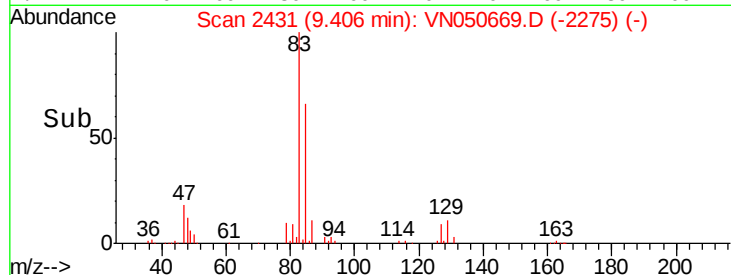
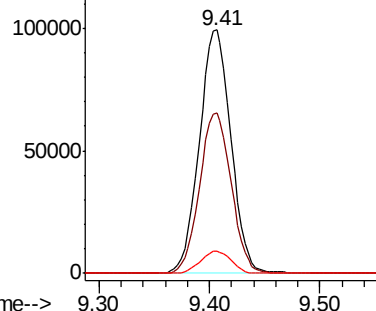
Tot Ion:	83	Resp:	196902
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.6	78.8
127	9.0	7.0	10.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 98.56 ug/l

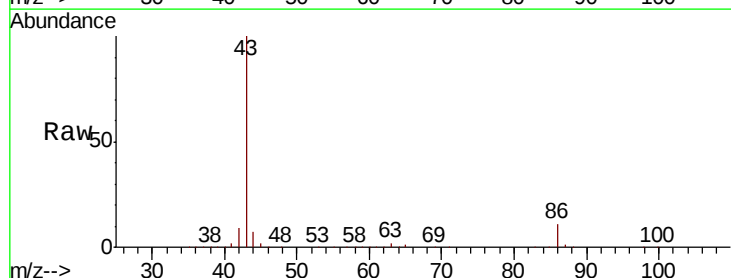
RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

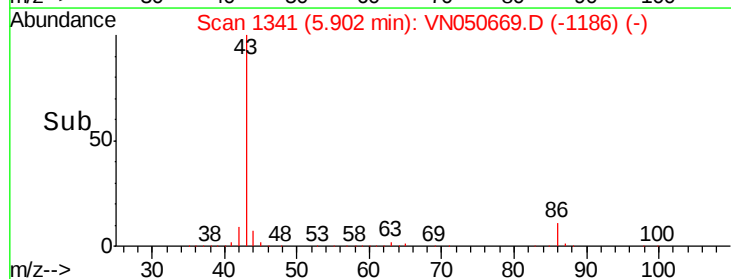
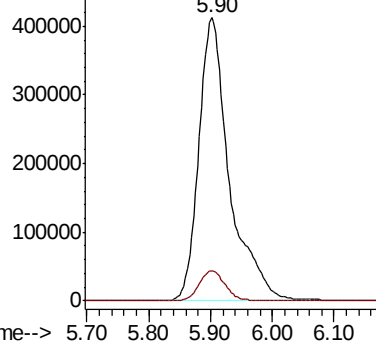
Lab File: VN050669.D

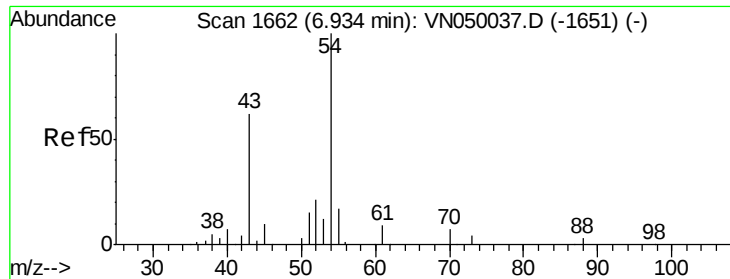
Acq: 15 Aug 2018 21:50

Tgt Ion:	43	Resp:	1420032
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





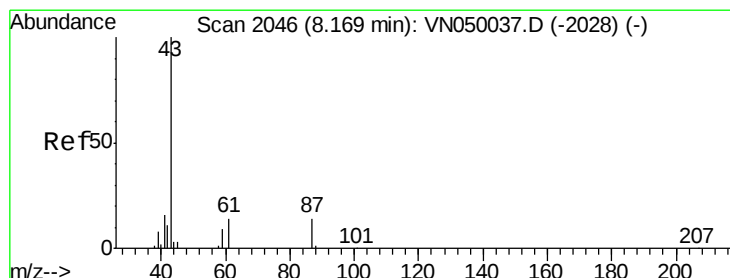
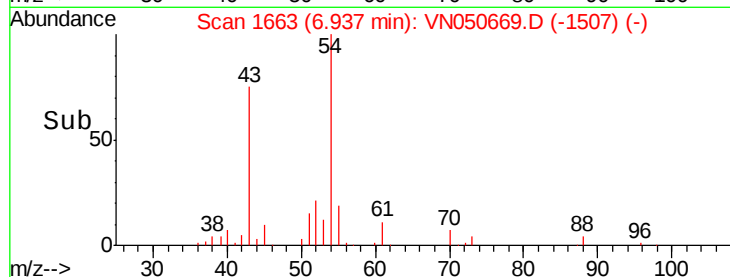
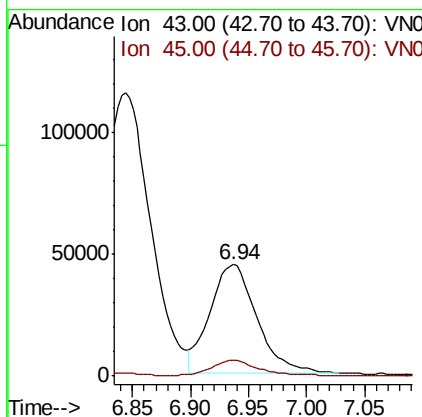
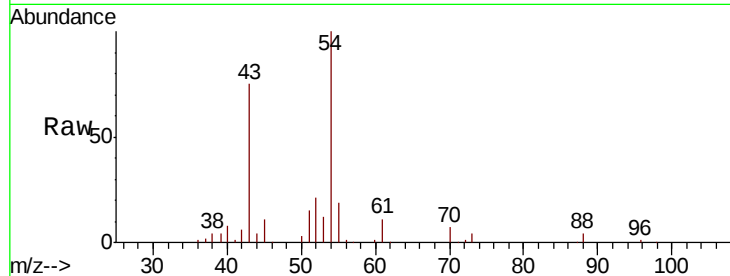
#43
Ethyl Acetate
Concen: 19.62 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS02

Tot Ion: 43 Resp: 125435
Ion Ratio Lower Upper
43 100
45 13.8 13.0 19.6

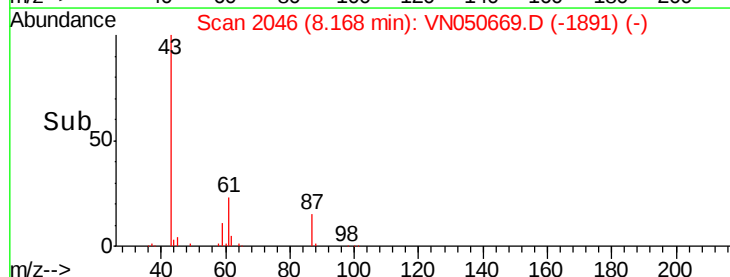
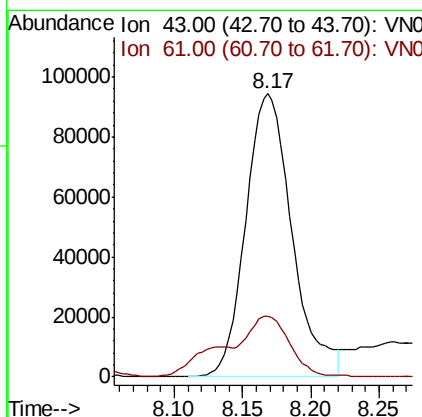
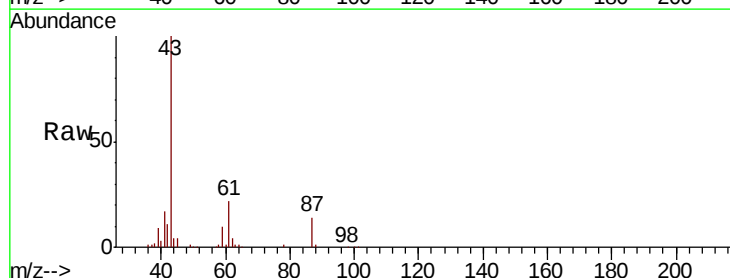
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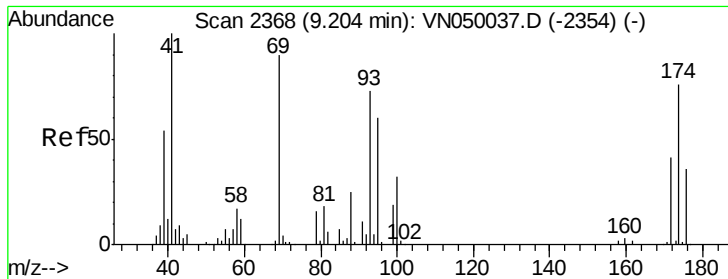
MMDadoda
8/16/2018 1:18:48 PM



#44
Isopropyl Acetate
Concen: 18.75 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 43 Resp: 222069
Ion Ratio Lower Upper
43 100
61 19.3 16.4 24.6





#45

1,4-Dioxane

Concen: 367.41 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

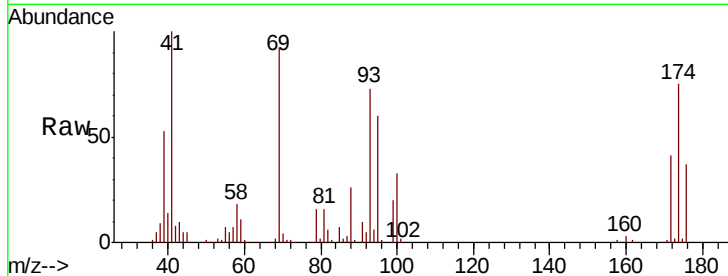
ClientSampleId :

VN0815WBS02

Tot Ion:	88	Resp:	28634
Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.9	40.3
58	73.6	53.6	80.4

Manual Integrations
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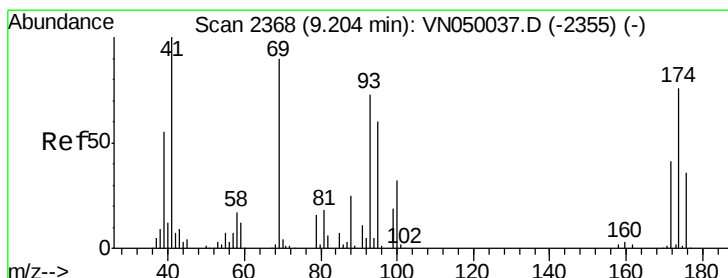
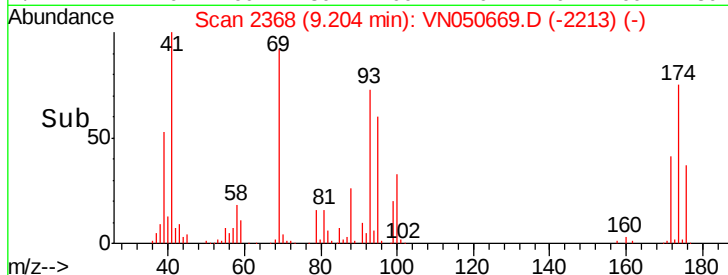
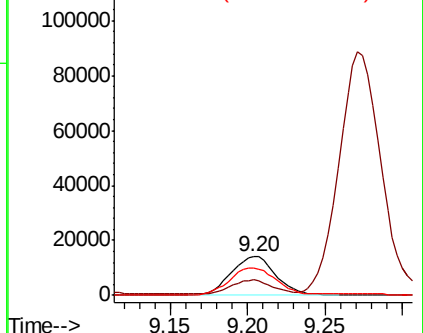
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Abundance Ion 88.00 (87.70 to 88.70): VN050037.D (-2354) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-2354) (-)

Ion 58.00 (57.70 to 58.70): VN050037.D (-2354) (-)



#46

Methyl methacrylate

Concen: 18.06 ug/l

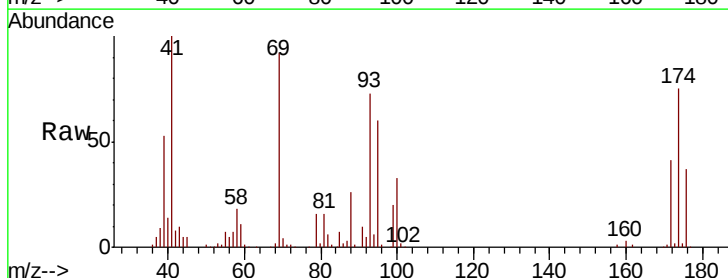
RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

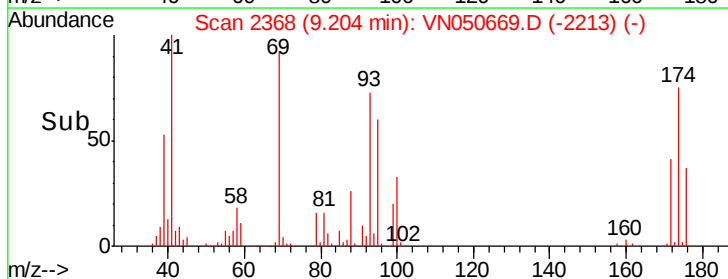
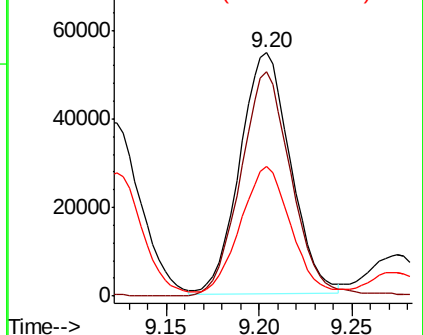
Tgt Ion:	41	Resp:	103705
Ion	Ratio	Lower	Upper
41	100		
69	94.4	44.0	132.1
39	52.6	27.0	80.8

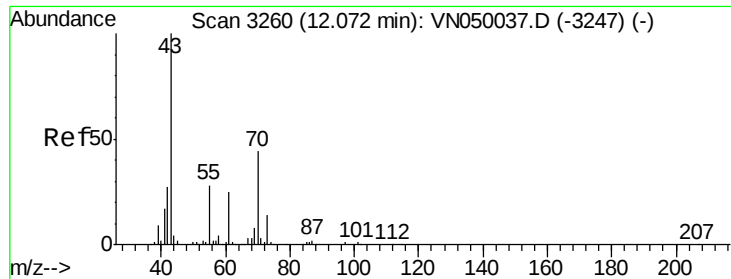


Abundance Ion 41.00 (40.70 to 41.70): VN050037.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050037.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050037.D (-2355) (-)





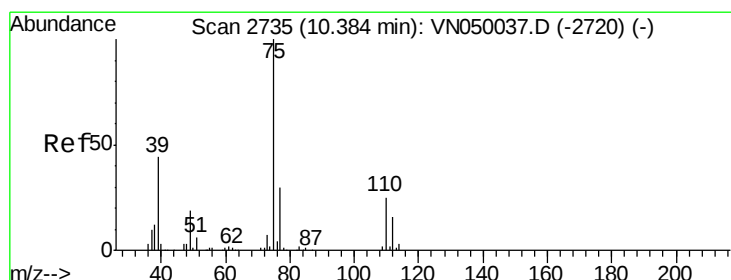
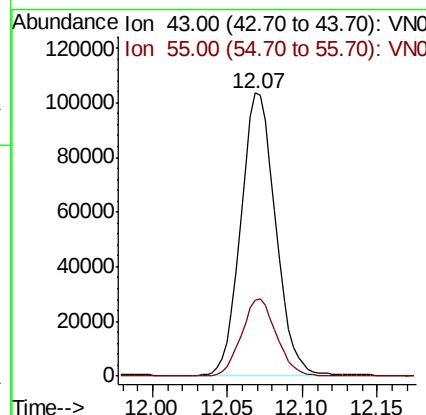
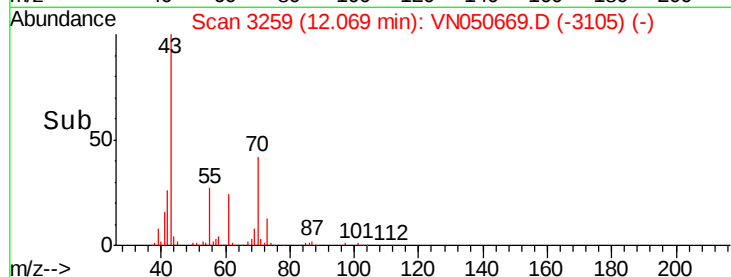
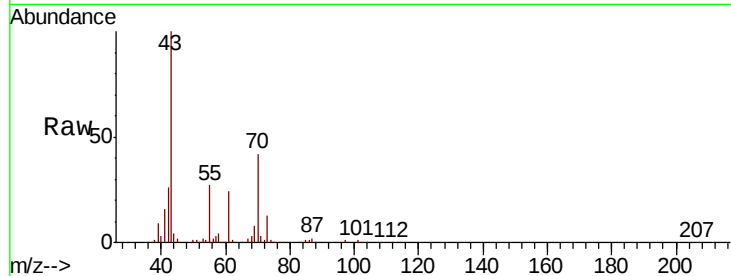
#47
n-amvl Acetate
Concen: 18.12 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion: 43 Resp: 166952
Ion Ratio Lower Upper
43 100
55 27.6 21.0 31.4

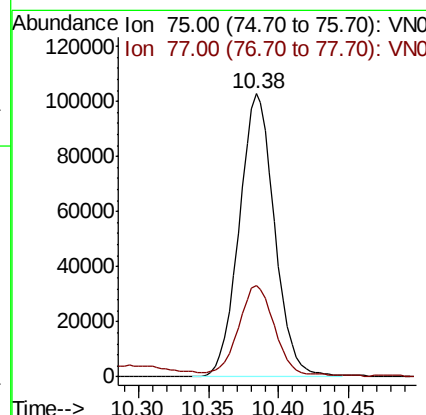
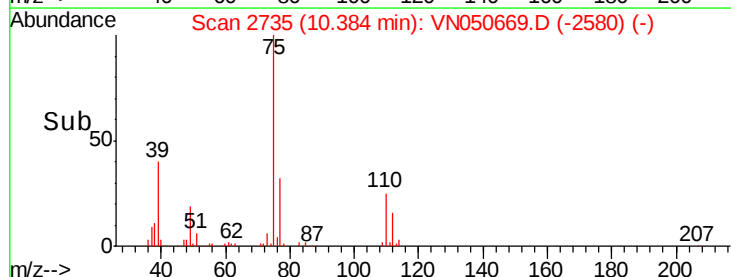
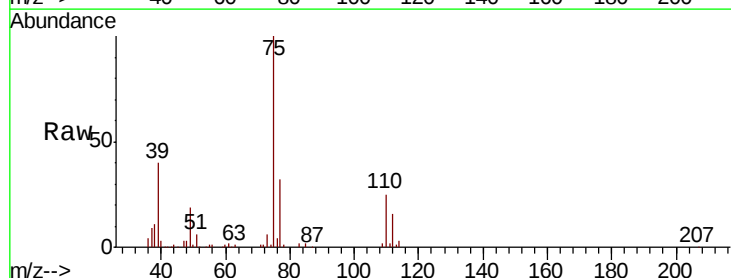
Manual Integrations
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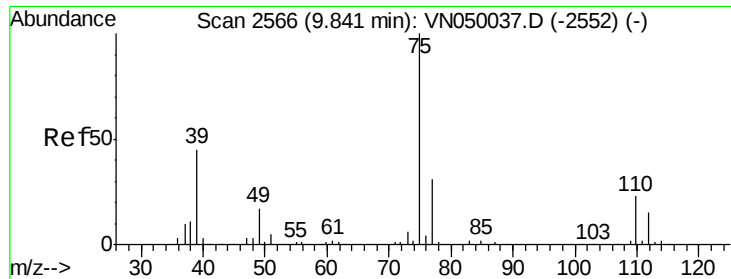
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#48
t-1,3-Dichloropropene
Concen: 18.62 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 75 Resp: 180633
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0





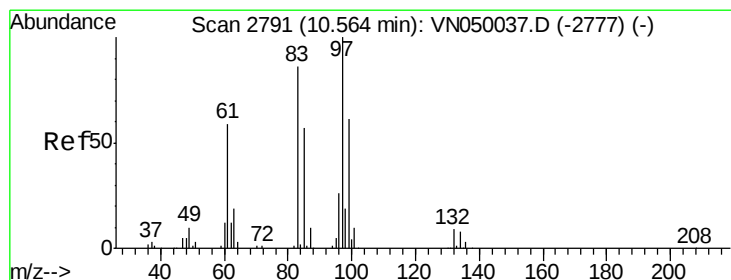
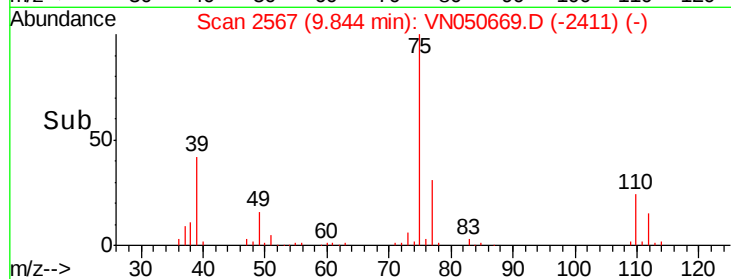
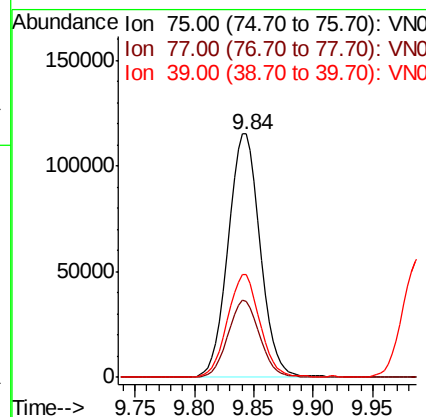
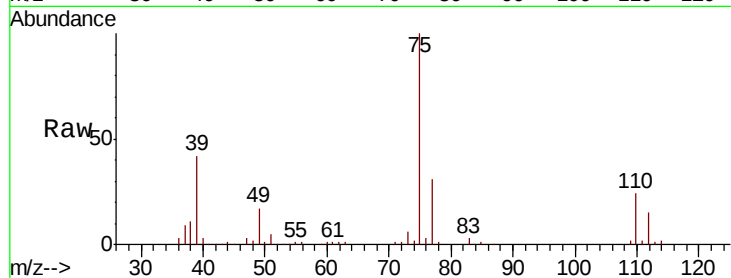
#49
 cis-1,3-Dichloropropene
 Concen: 18.90 ug/l
 RT: 9.84 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	42.1	36.3	54.5

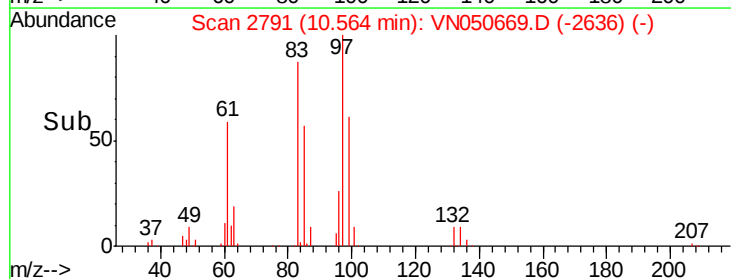
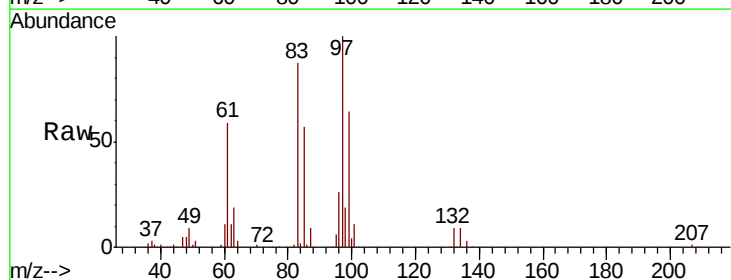
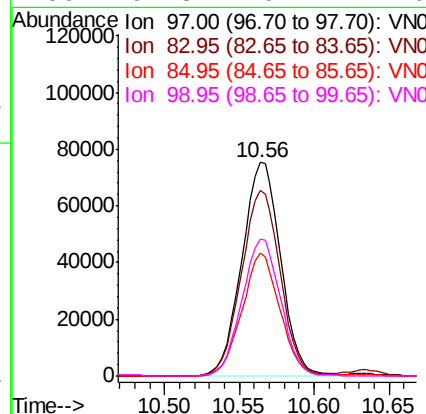
Manual Integrations
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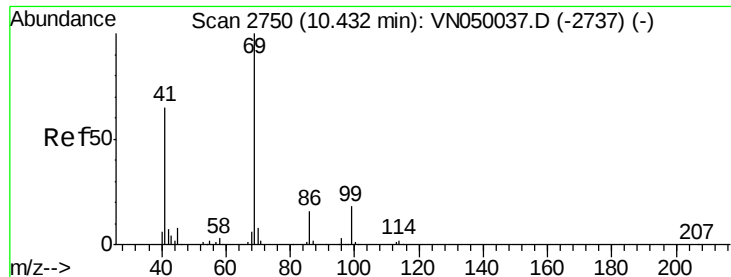
MMDadoda
 8/16/2018 1:18:48 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.1	102.1
85	57.4	45.4	68.2
99	64.3	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.92 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

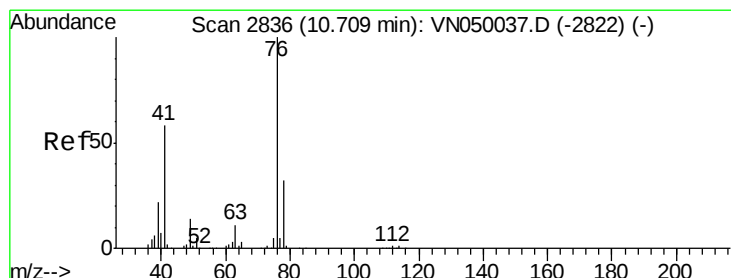
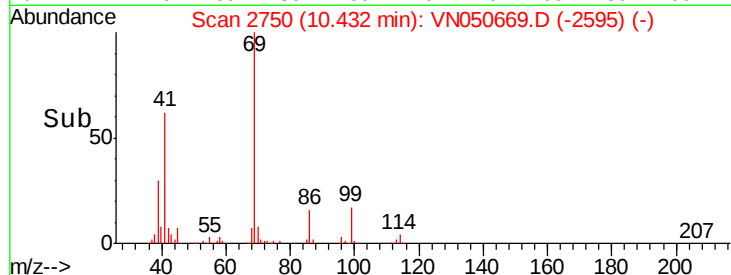
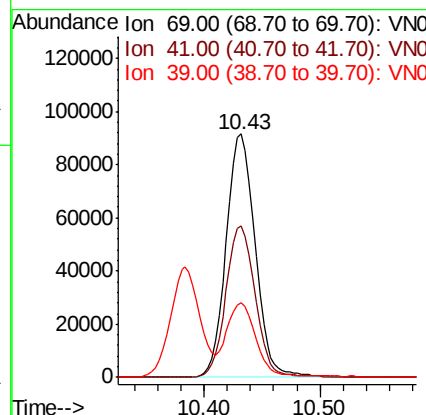
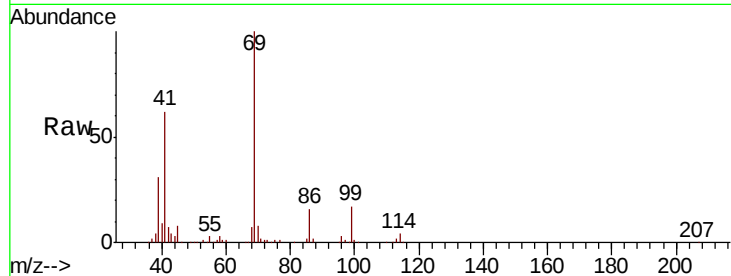
ClientSampleId :

VN0815WBS02

Tot Ion:	69	Resp:	159066
Ion	Ratio	Lower	Upper
69	100		
41	61.8	31.9	95.9
39	30.3	16.7	50.1

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#52

1,3-Dichloropropane

Concen: 19.83 ug/l

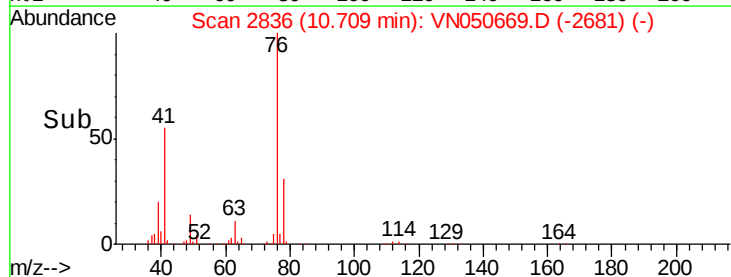
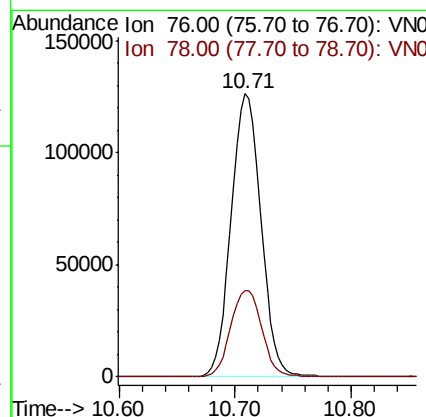
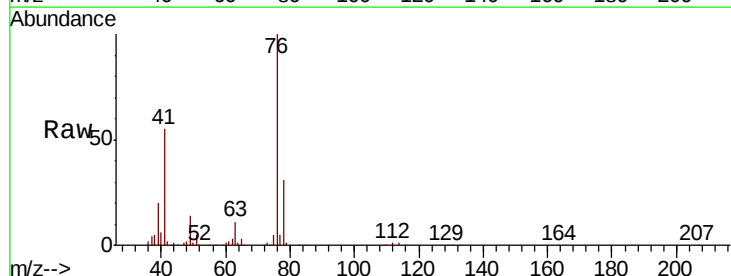
RT: 10.71 min Scan# 2836

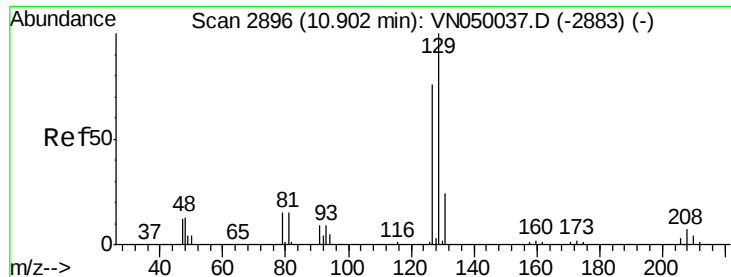
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	76	Resp:	225490
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.6





#53

Dibromochloromethane

Concen: 19.19 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion:129 Resp: 150810

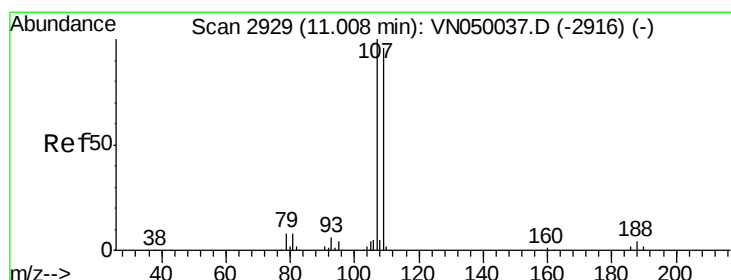
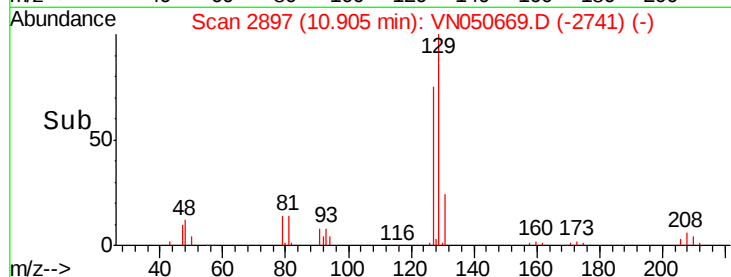
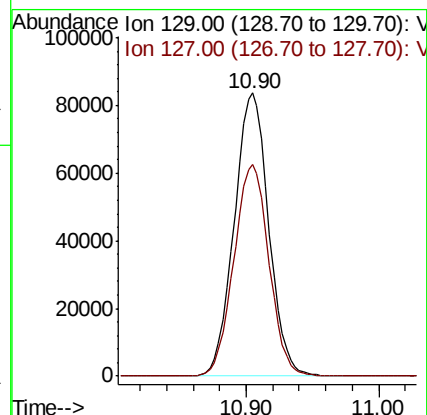
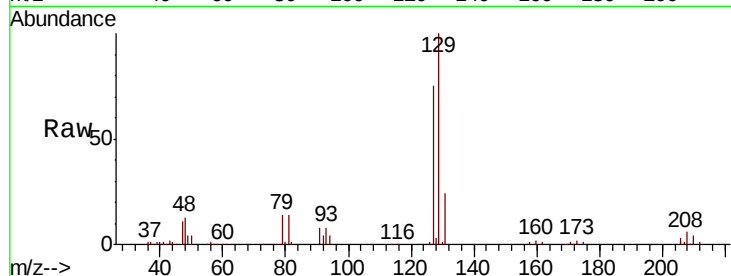
Ion Ratio Lower Upper

129 100

127 76.1 38.1 114.5

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 19.01 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050669.D

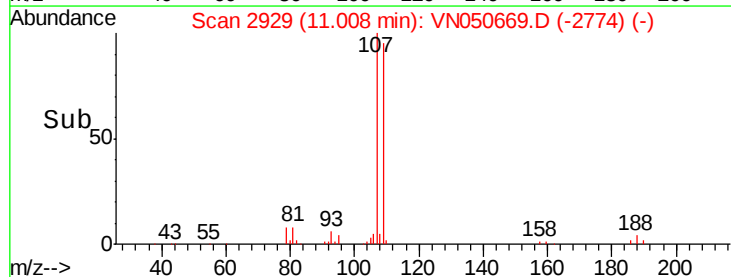
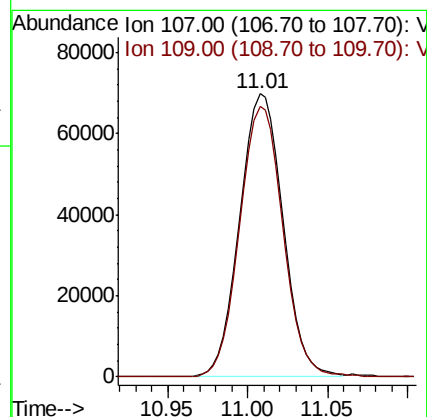
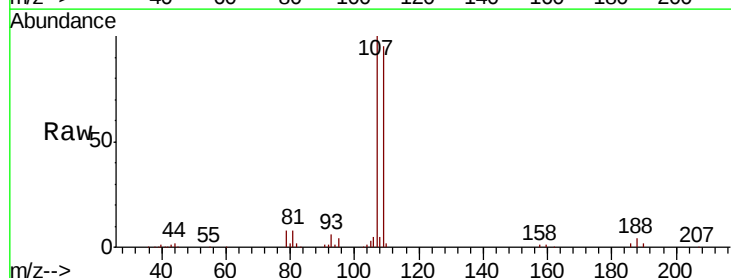
Acq: 15 Aug 2018 21:50

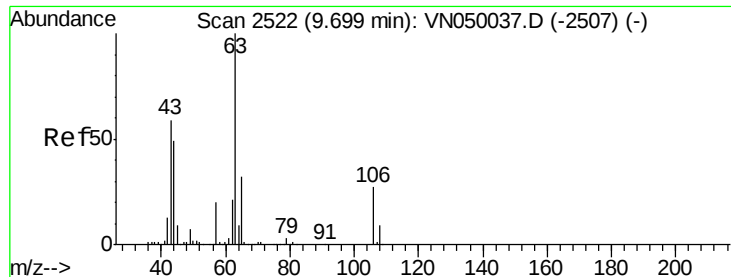
Tgt Ion:107 Resp: 128900

Ion Ratio Lower Upper

107 100

109 95.6 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 102.36 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

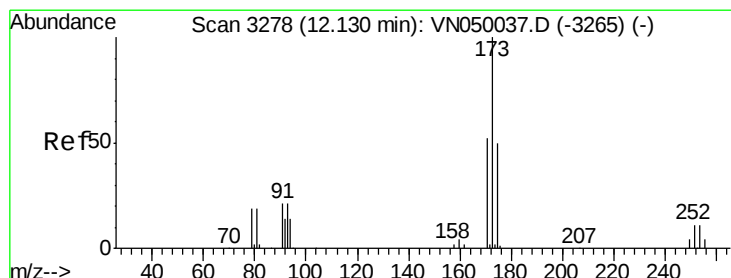
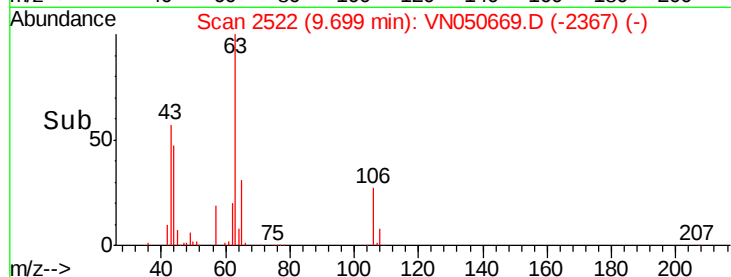
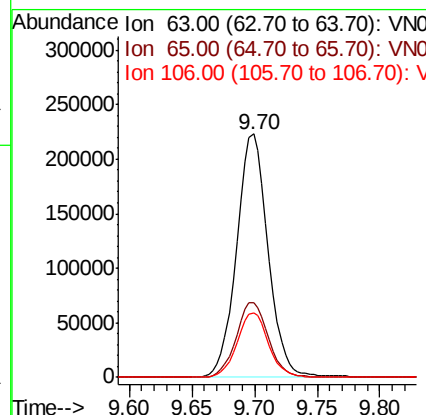
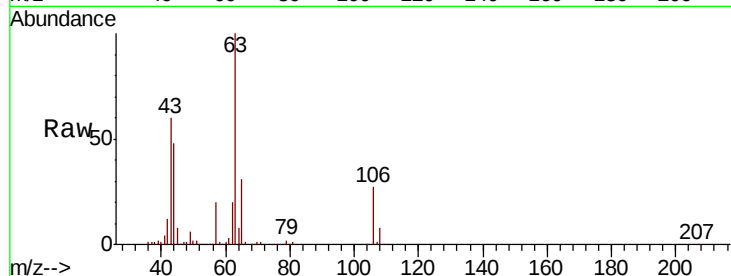
ClientSampleId :

VN0815WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3
106	26.6	21.8	32.6

Manual Integrations
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#56

Bromoform

Concen: 18.36 ug/l

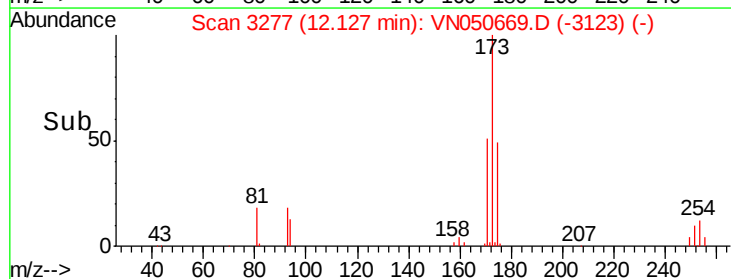
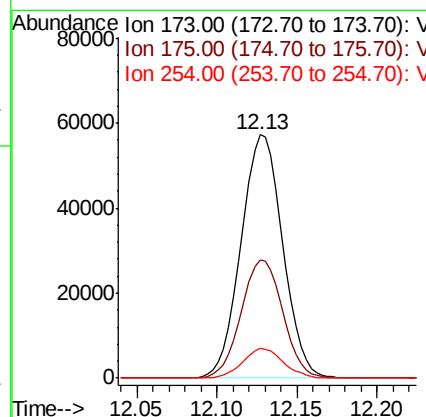
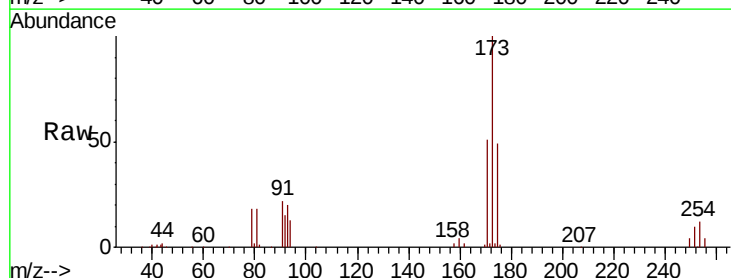
RT: 12.13 min Scan# 3277

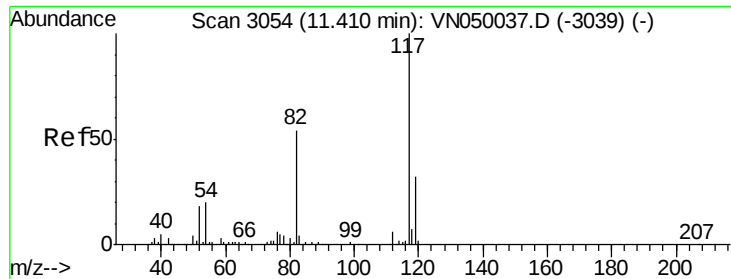
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	57.8
254	11.7	8.8	13.2





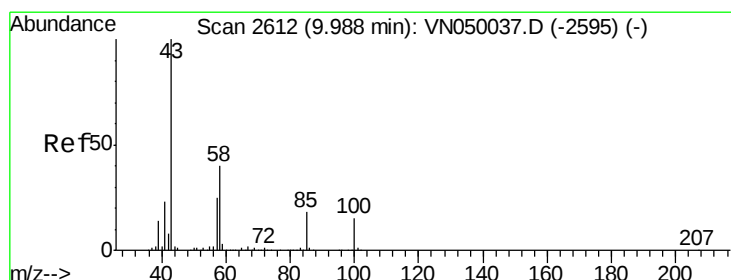
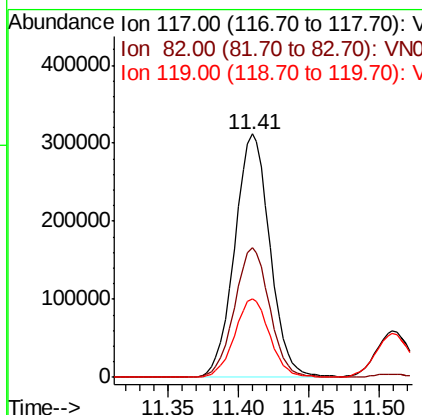
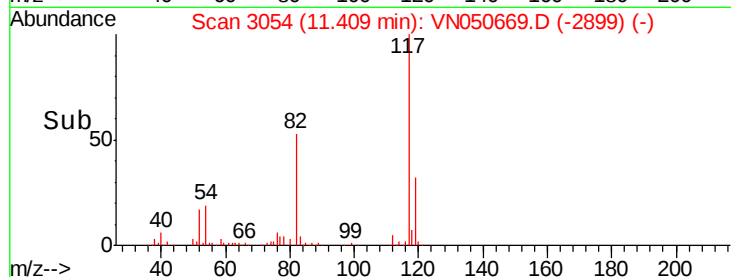
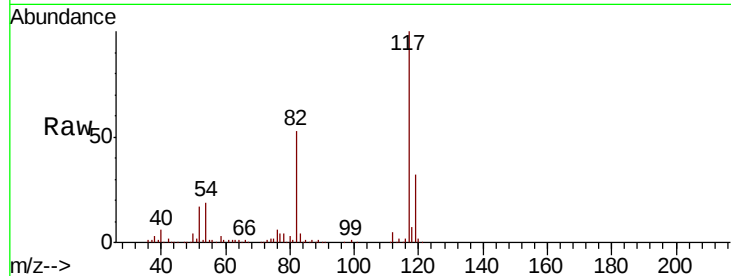
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	546562		
82	53.2	42.4	63.6	
119	32.1	25.4	38.0	

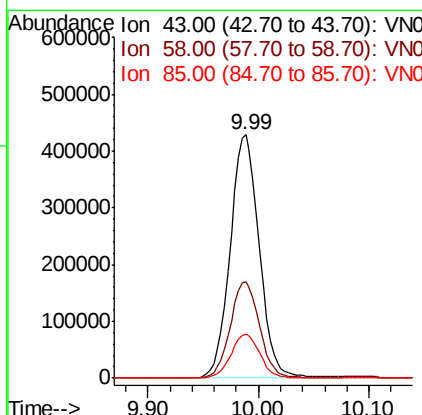
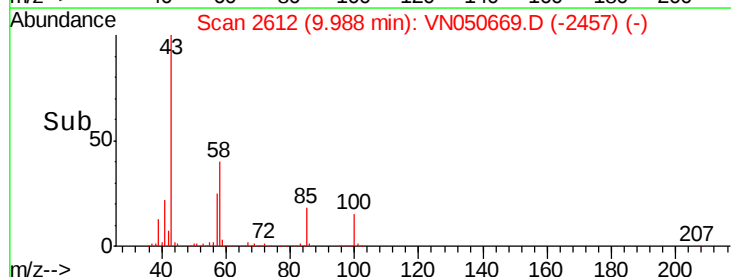
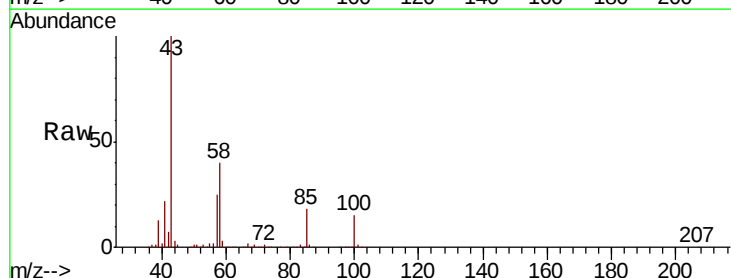
Manual Integrations
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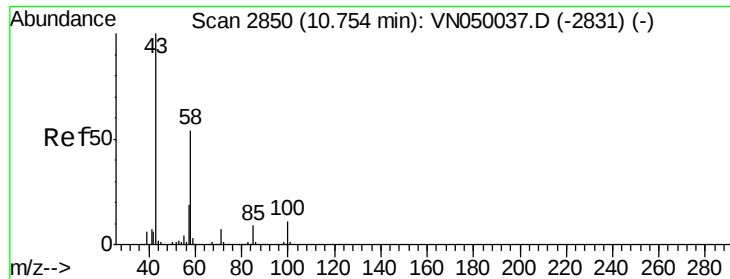
MMDadoda
8/16/2018 1:18:48 PM



#58
4-Methyl-2-Pentanone
Concen: 122.83 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	781155		
58	40.0	31.2	46.8	
85	18.1	14.4	21.6	





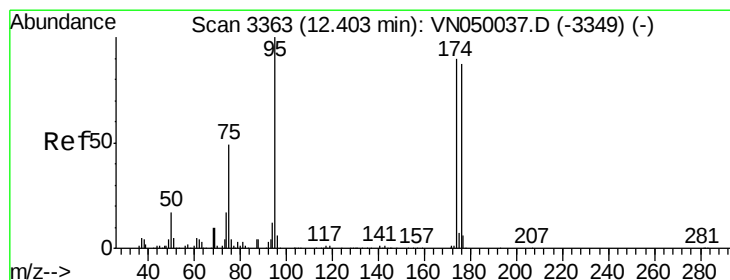
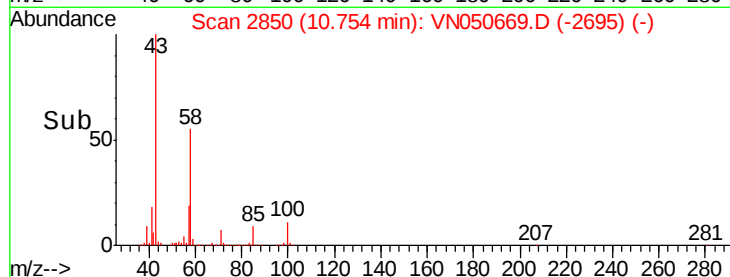
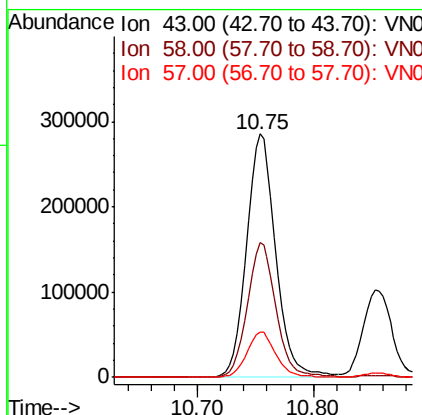
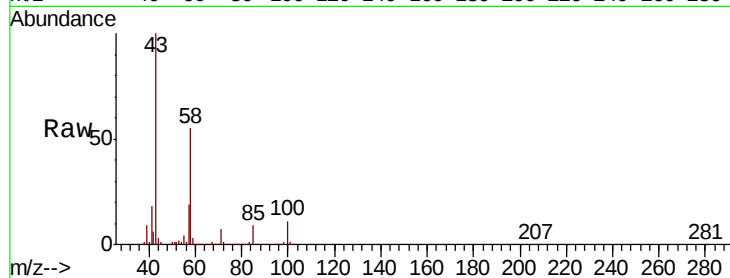
#59
2-Hexanone
Concen: 115.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.8	65.8
57	18.6	15.1	22.7

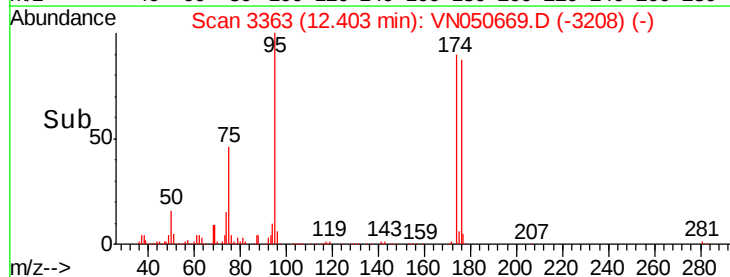
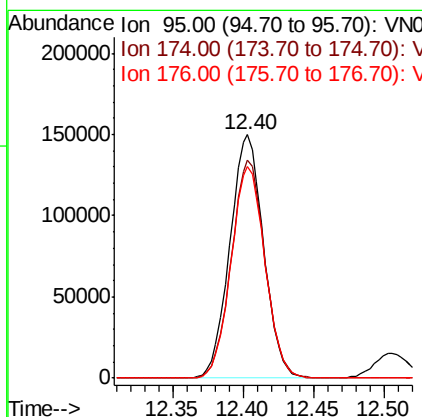
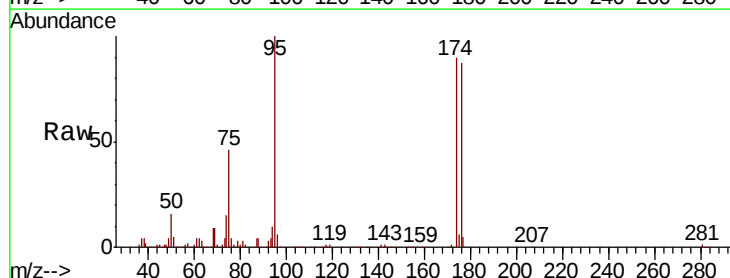
Manual Integrations
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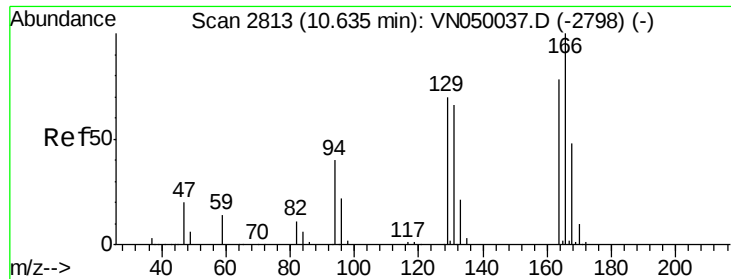
MMDadoda
8/16/2018 1:18:48 PM



#60
4-Bromofluorobenzene
Concen: 29.78 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	72.3	108.5
176	87.6	70.0	105.0





#61

Tetrachloroethene

Concen: 19.49 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion:164 Resp: 144273

Ion Ratio Lower Upper

164 100

166 124.2 100.0 150.0

129 89.9 69.3 103.9

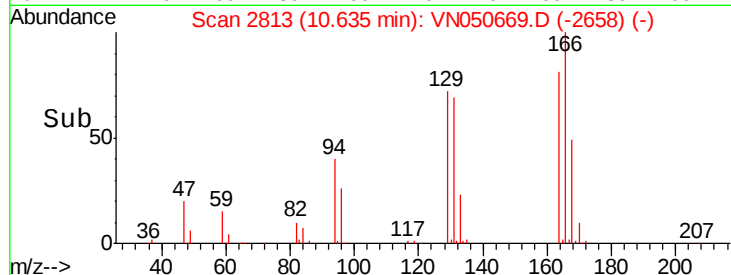
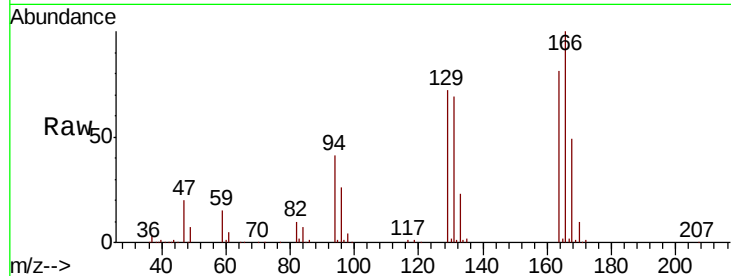
131 85.9 68.8 103.2

Manual Integrations

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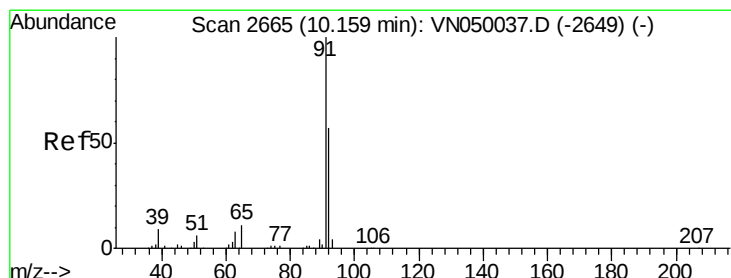
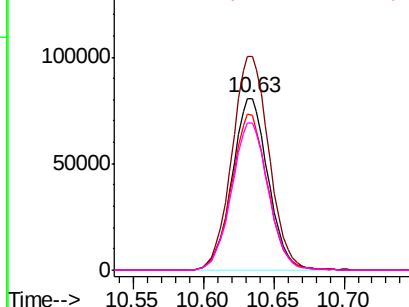
Abundance

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: 20.34 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050669.D

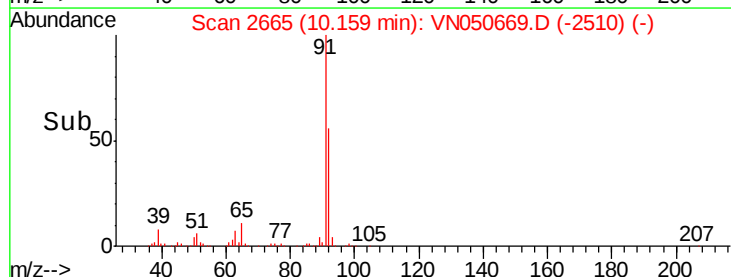
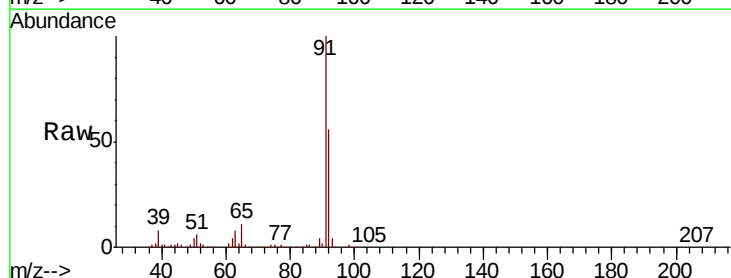
Acq: 15 Aug 2018 21:50

Tgt Ion: 91 Resp: 634198

Ion Ratio Lower Upper

91 100

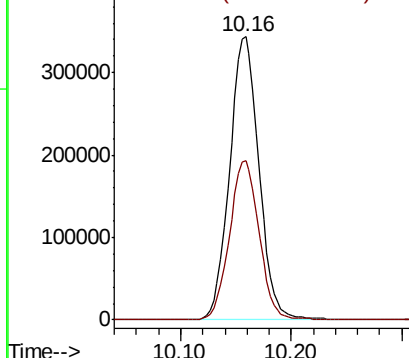
92 56.7 45.7 68.5

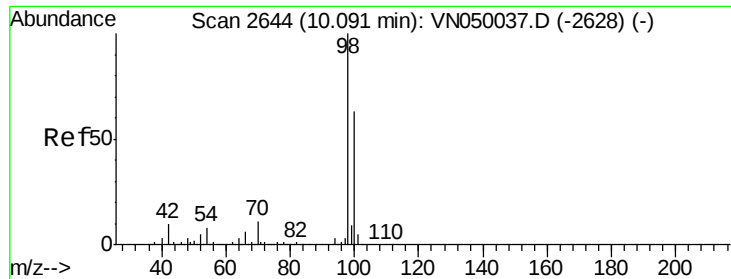


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.59 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 98 Resp: 798542

Ion Ratio Lower Upper

98 100

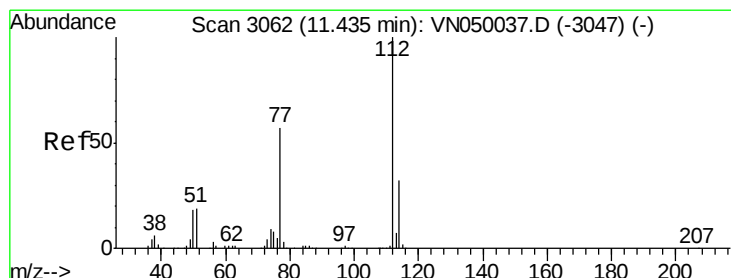
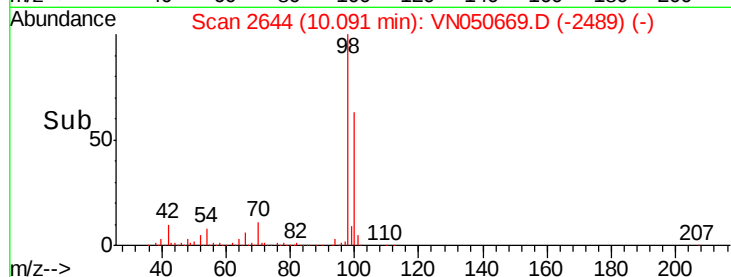
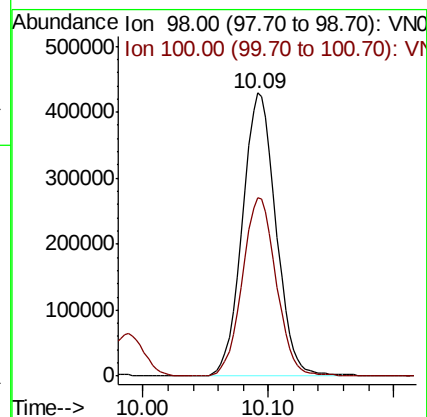
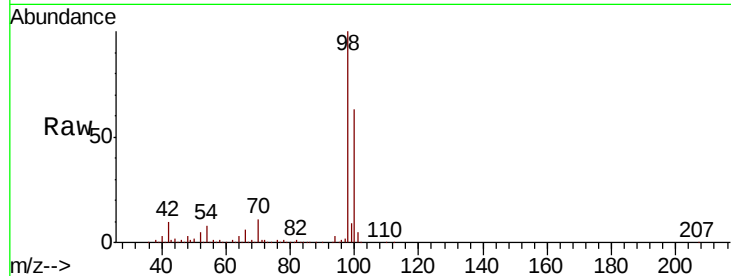
100 63.1 51.2 76.8

Manual Integrations

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#64

Chlorobenzene

Concen: 20.08 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050669.D

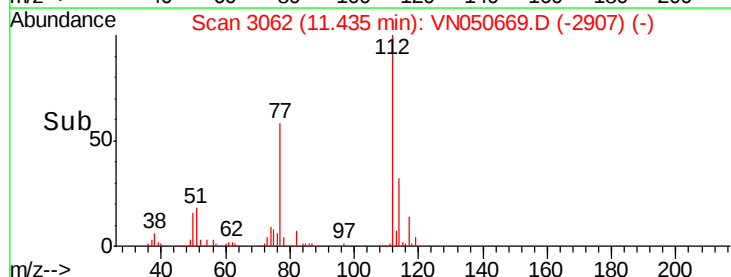
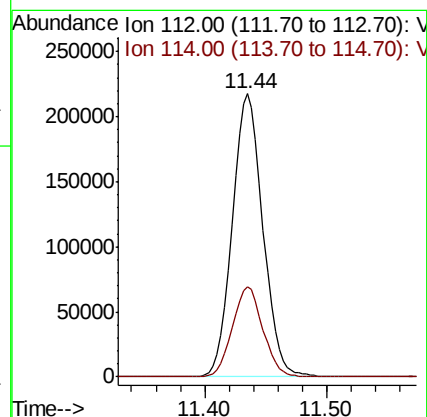
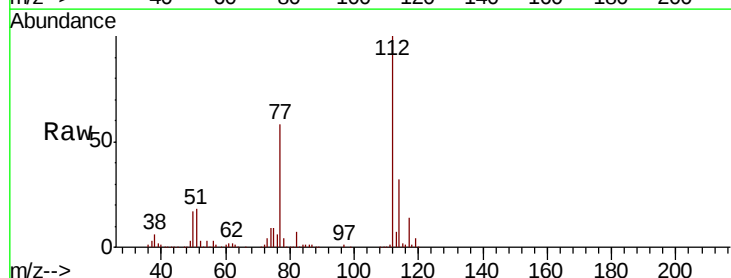
Acq: 15 Aug 2018 21:50

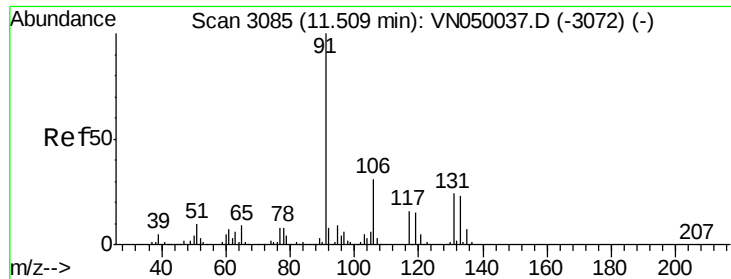
Tgt Ion: 112 Resp: 379780

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.18 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

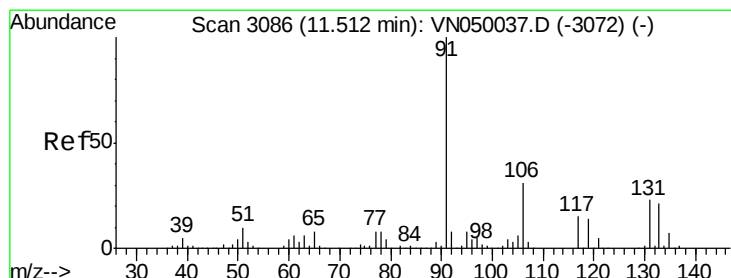
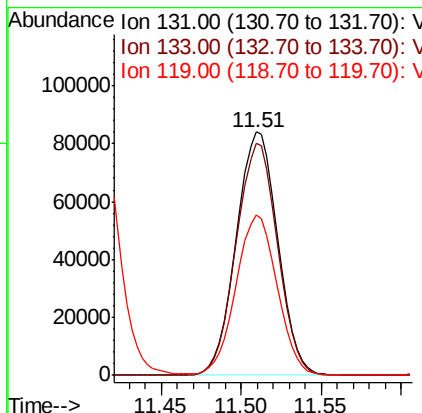
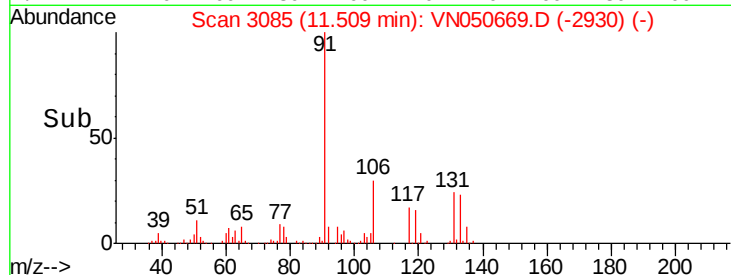
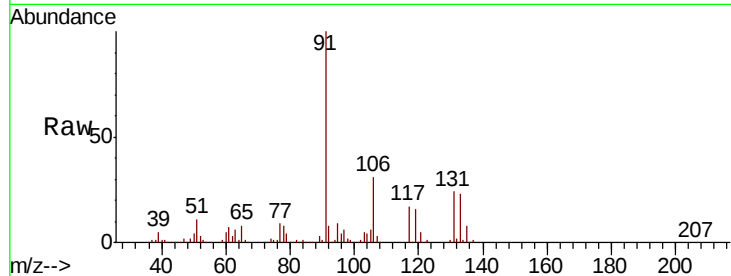
ClientSampled :

VN0815WBS02

Tot Ion:	131	Resp:	148872
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	190.0
119	65.5	0.0	131.6

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#66

Ethyl Benzene

Concen: 19.37 ug/l

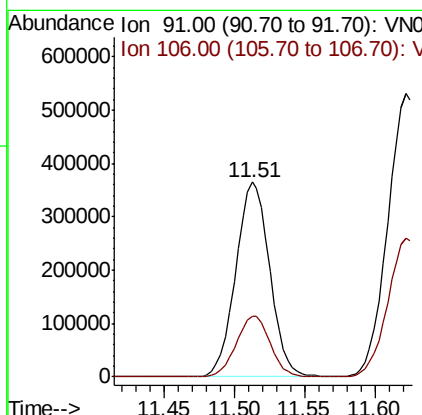
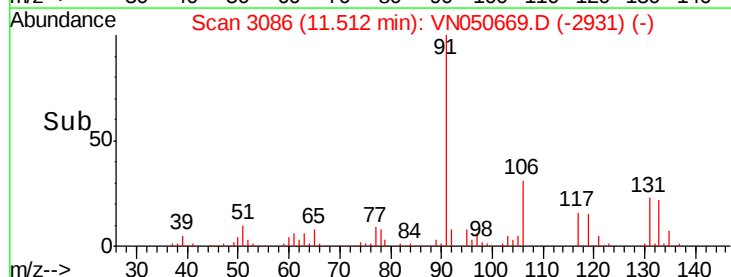
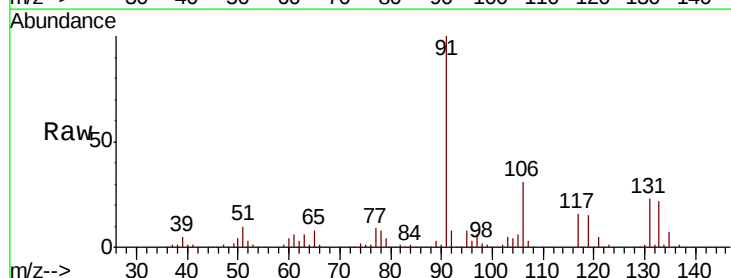
RT: 11.51 min Scan# 3086

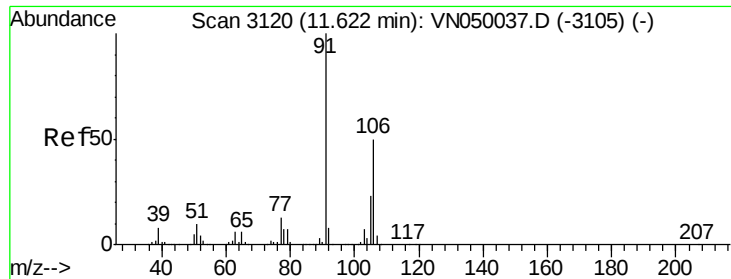
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	91	Resp:	617309
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.1	37.7





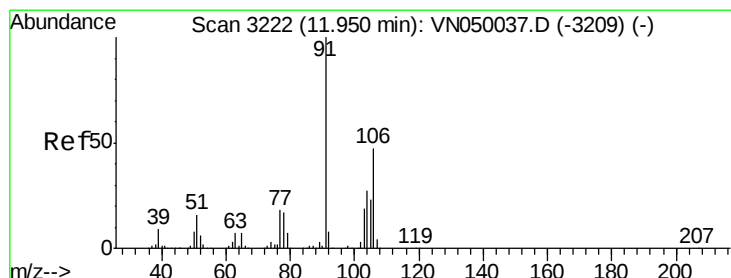
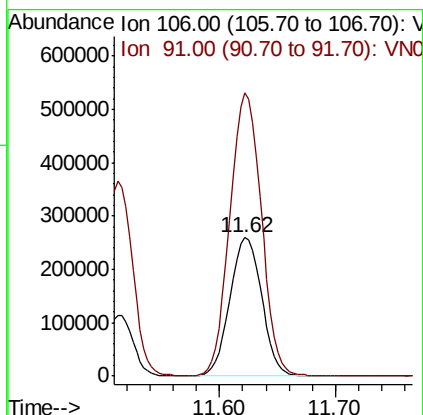
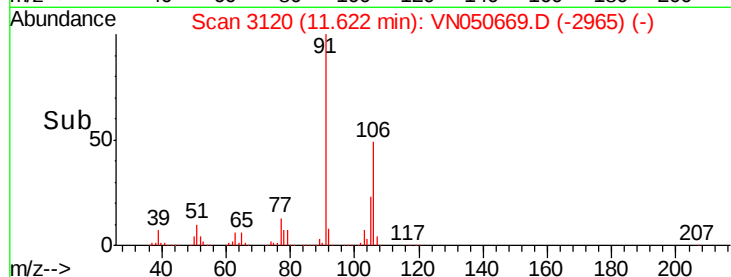
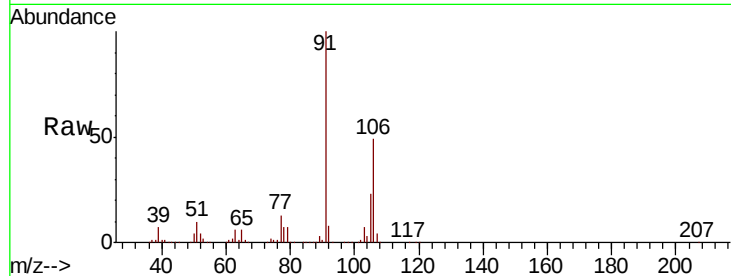
#67
m/p-Xylenes
Concen: 40.17 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		492666		
91	203.0	162.5	243.7		

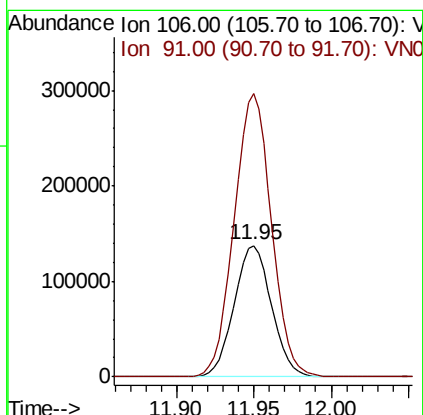
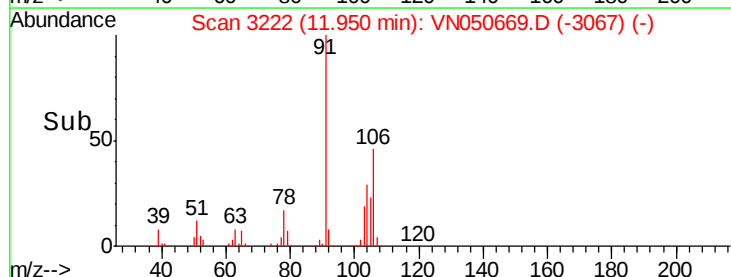
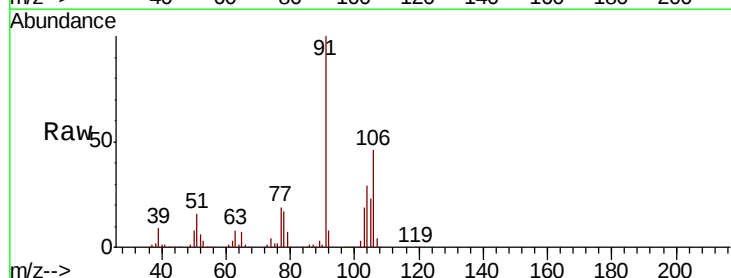
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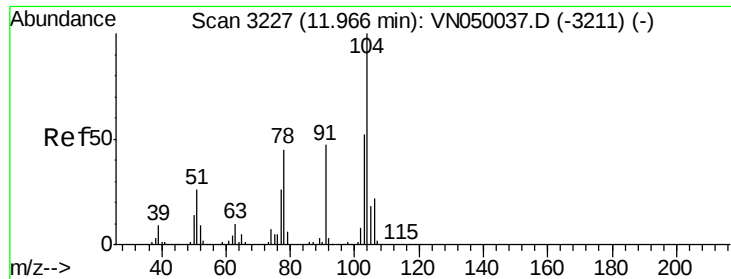
MMDadoda
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#68
o-Xylene
Concen: 19.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		230728		
91	215.2	106.8	320.4		





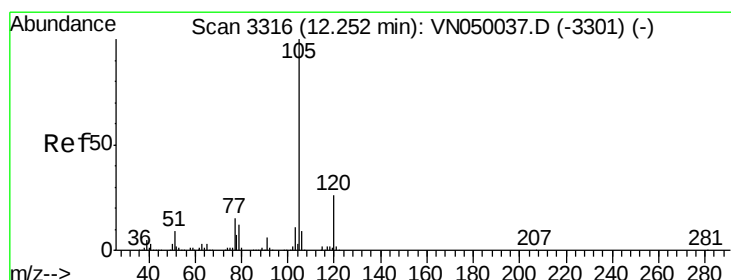
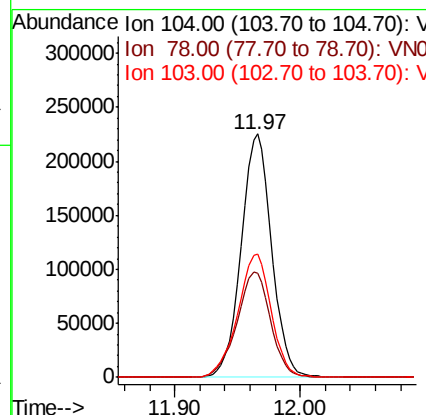
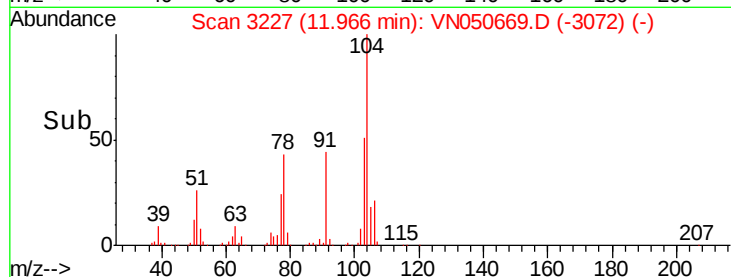
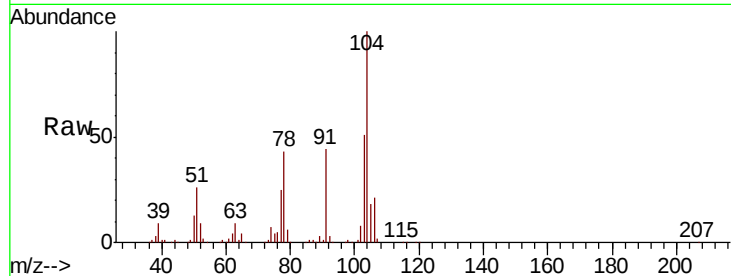
#69
Stvrene
Concen: 20.35 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.3	58.9
103	55.4	44.5	66.7

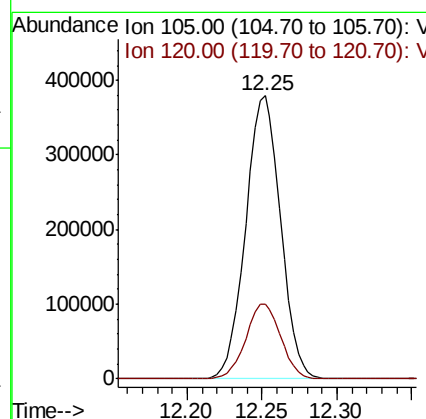
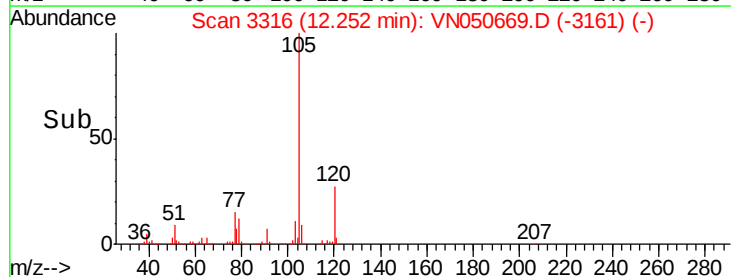
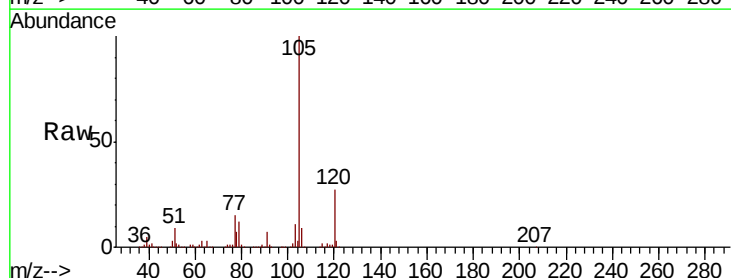
Manual Integrations
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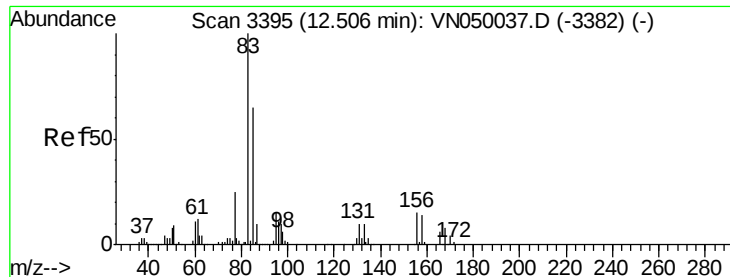
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#70
Isopropylbenzene
Concen: 19.82 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.9	35.1





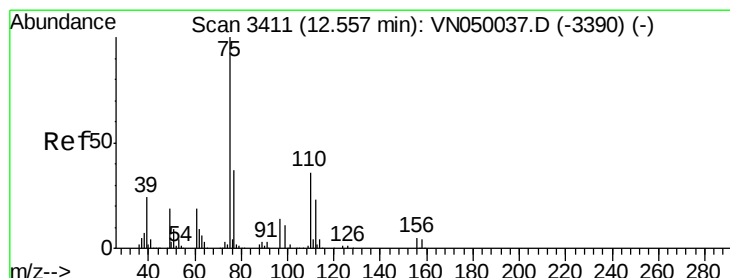
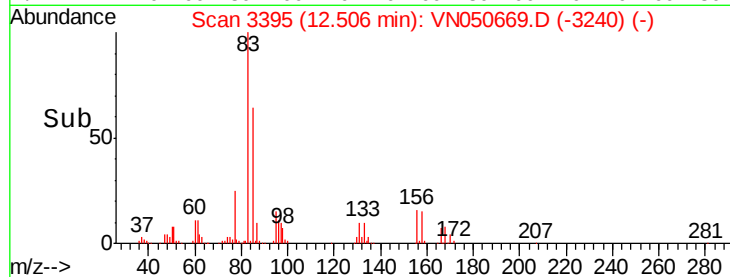
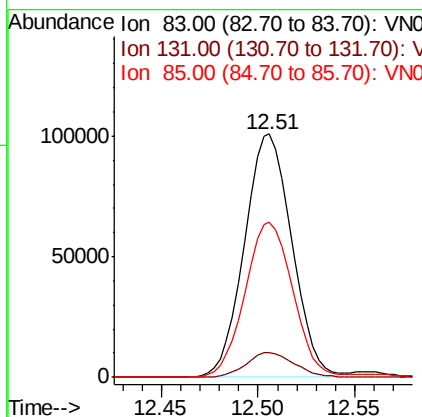
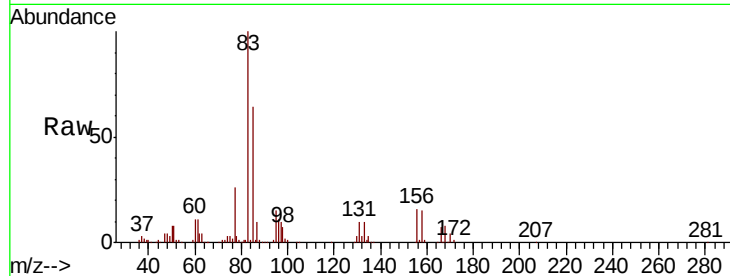
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.17 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.3	31.7	95.1

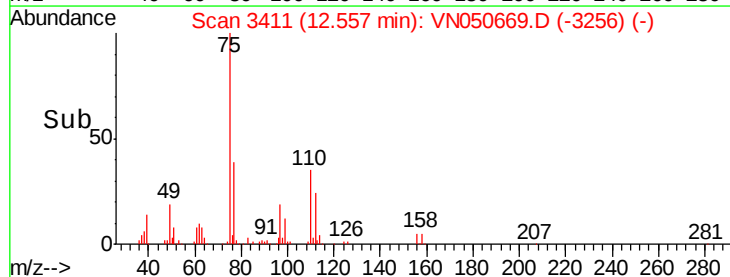
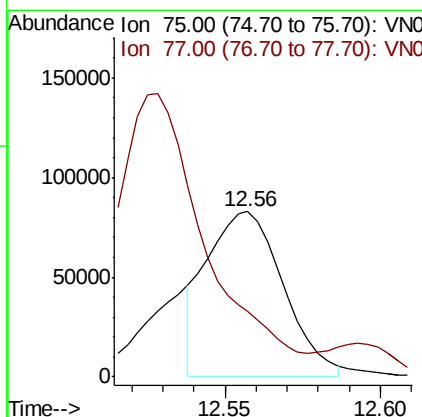
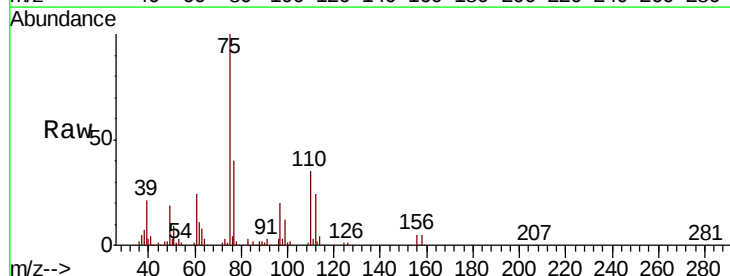
Manual Integrations
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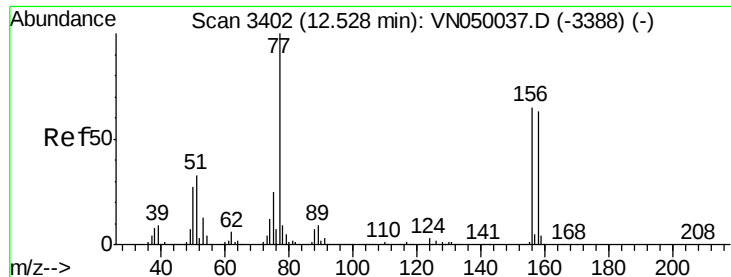
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 19.33 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	208.2	0.0	454.4





#73

Bromobenzene

Concen: 19.61 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

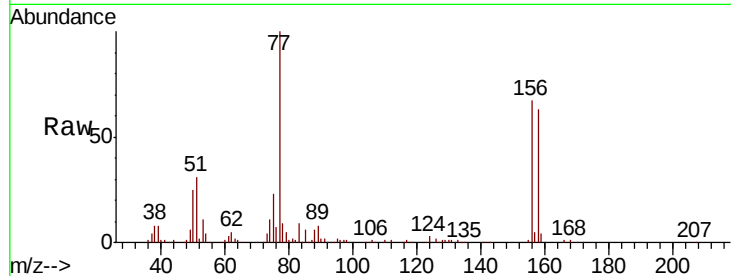
ClientSampleId :

VN0815WBS02

Tot Ion:	156	Resp:	162303
Ion Ratio	Lower	Upper	
156	100		
77	180.6	0.0	359.8
158	95.8	0.0	192.8

Manual Integrations
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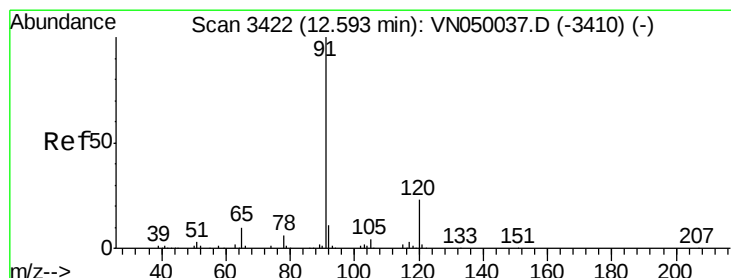
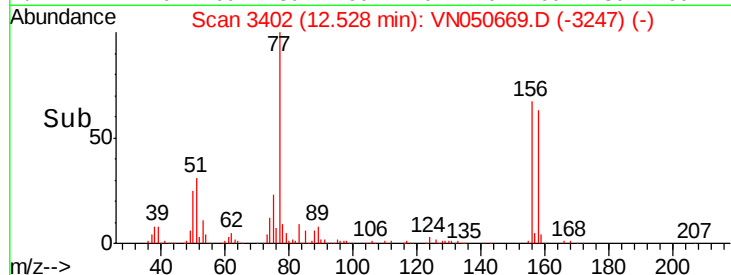
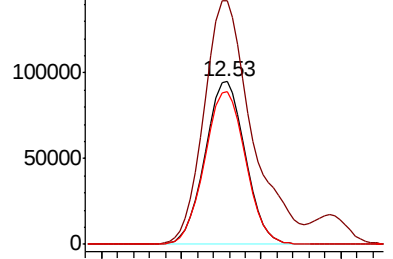
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.08 ug/l

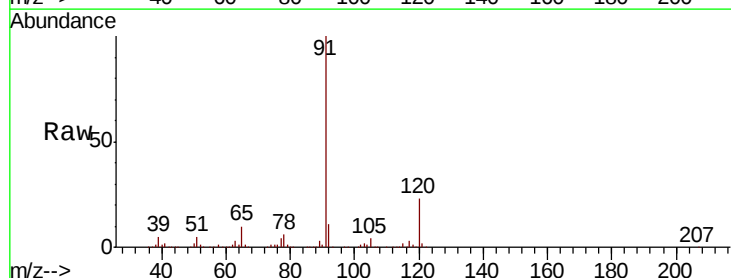
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050669.D

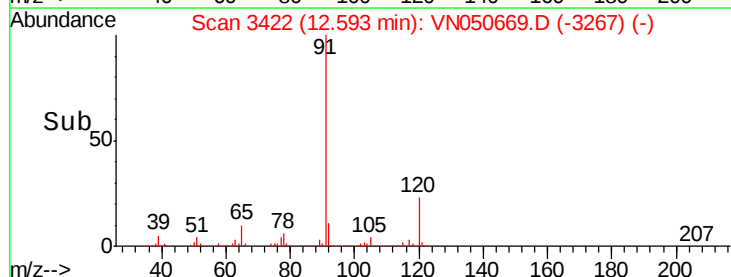
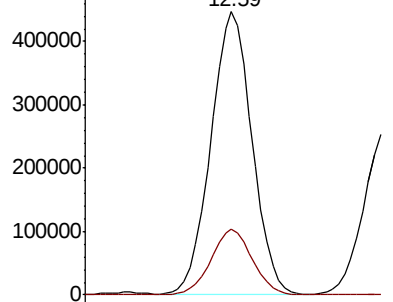
Acq: 15 Aug 2018 21:50

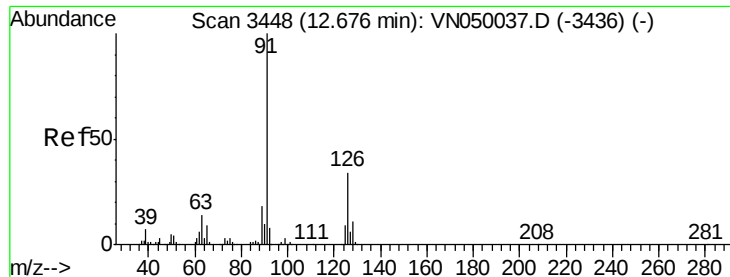
Tgt Ion:	91	Resp:	690628
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion: 91 Resp: 434445

Ion Ratio Lower Upper

91 100

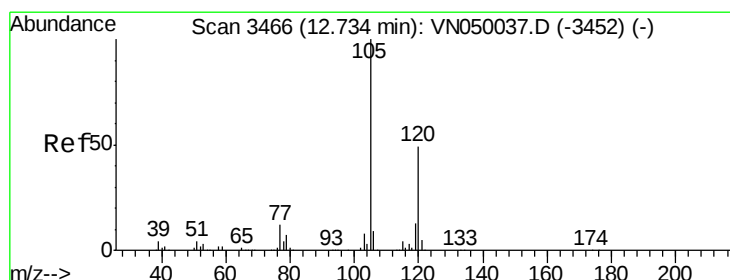
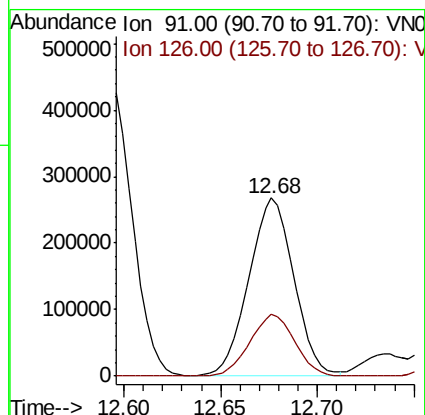
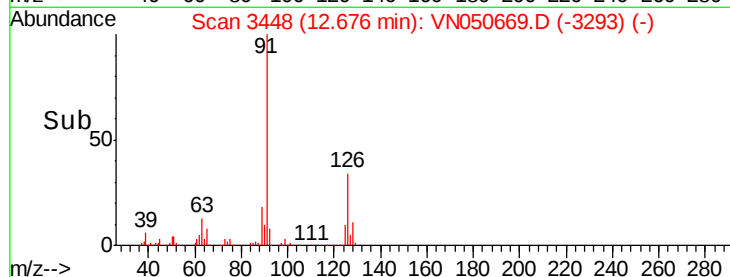
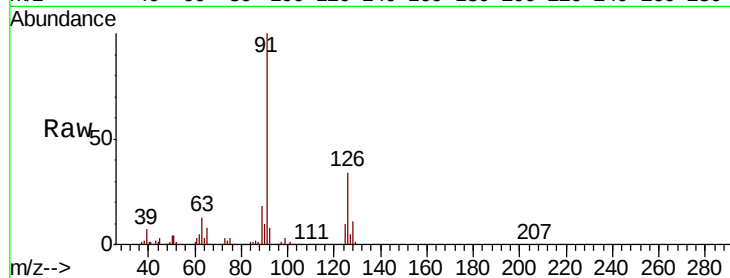
126 34.7 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.92 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050669.D

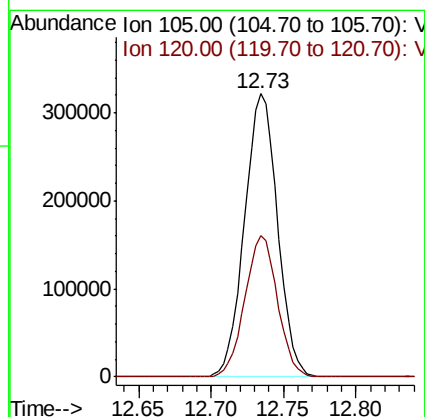
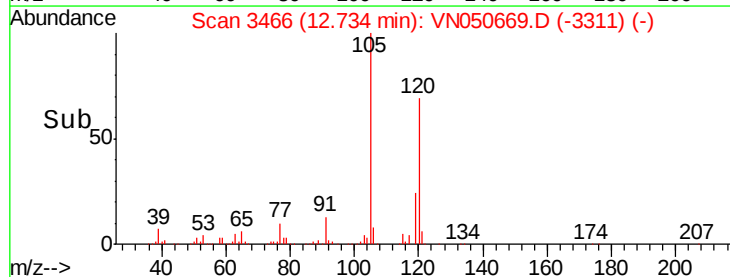
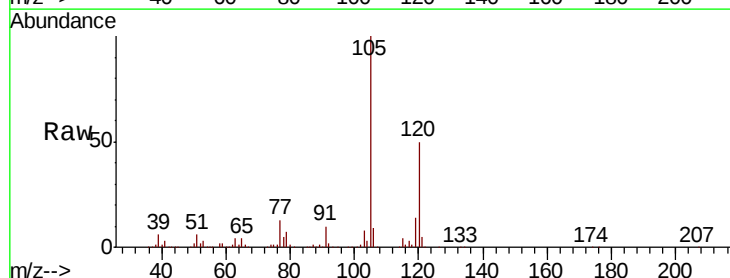
Acq: 15 Aug 2018 21:50

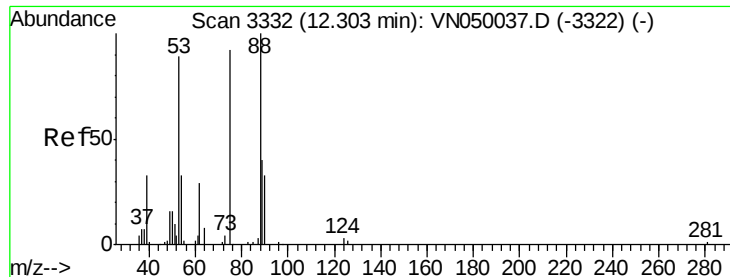
Tgt Ion: 105 Resp: 508413

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 14.96 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

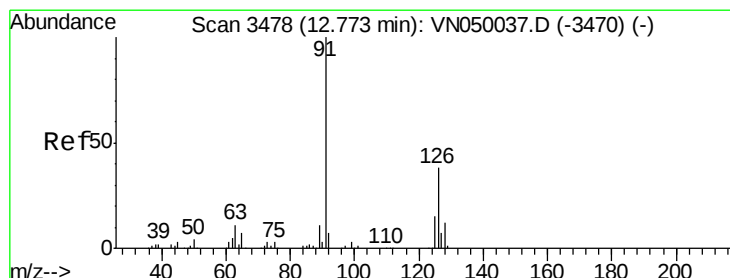
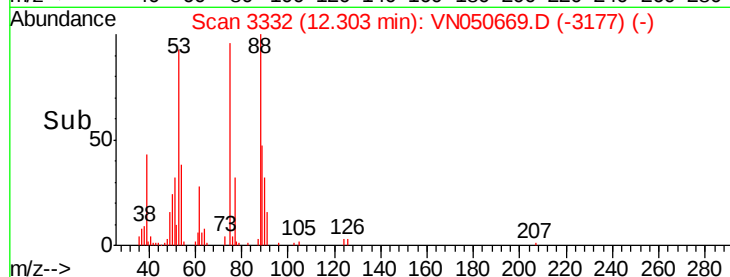
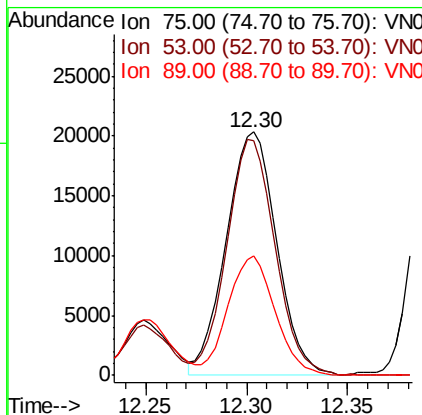
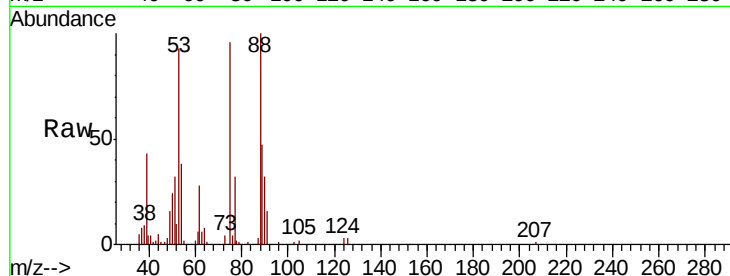
ClientSampleId :

VN0815WBS02

Tot Ion:	75	Resp:	35646
Ion	Ratio	Lower	Upper
75	100		
53	96.4	44.6	134.0
89	49.1	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.69 ug/l

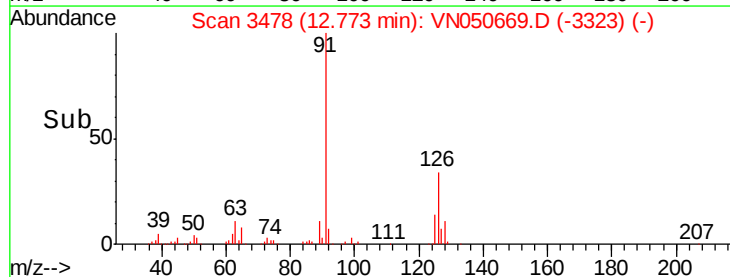
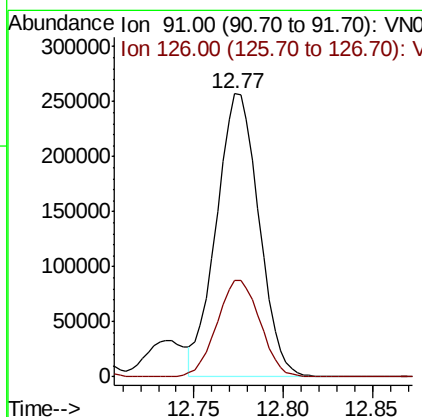
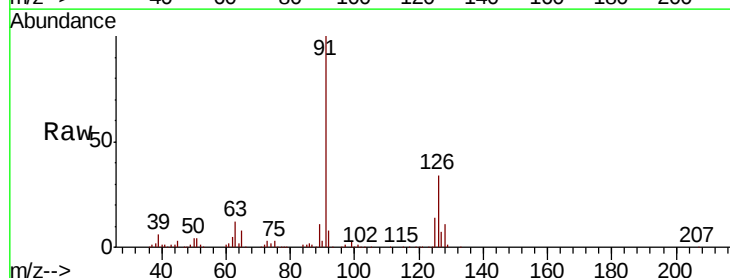
RT: 12.77 min Scan# 3478

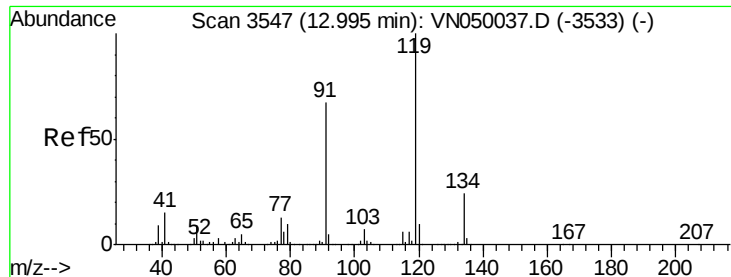
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	91	Resp:	424063
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4





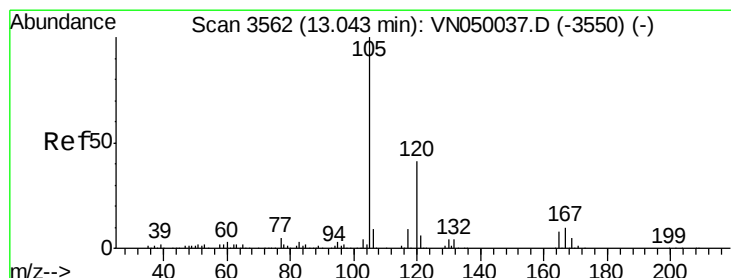
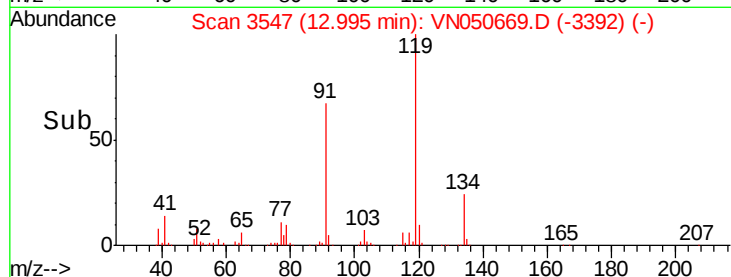
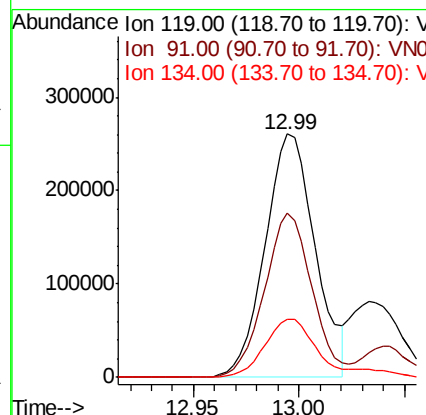
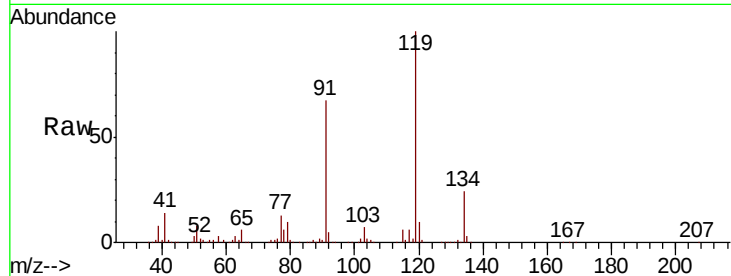
#79
tert-butylbenzene
Concen: 19.76 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	431190		
91	64.1	0.0	126.8	
134	24.0	0.0	47.4	

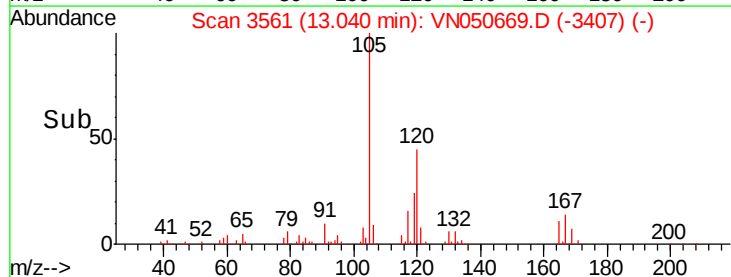
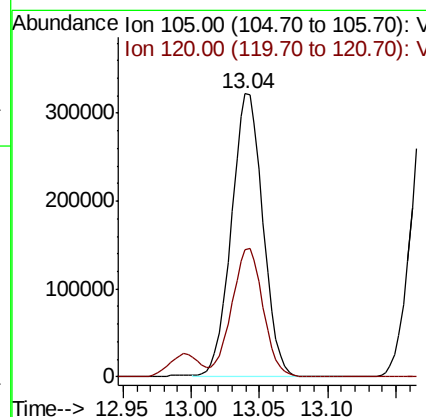
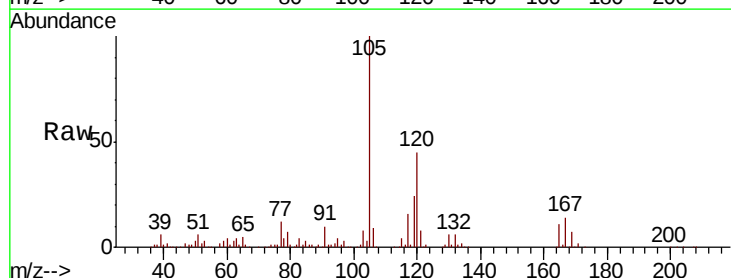
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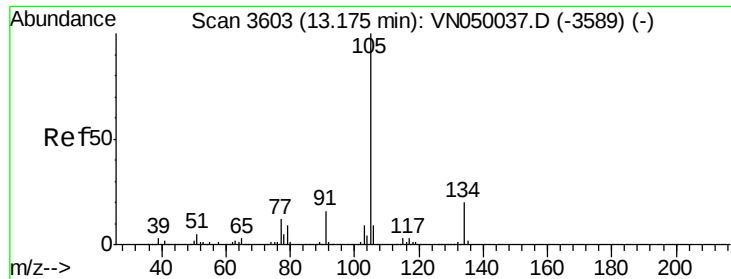
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#80
1,2,4-Trimethylbenzene
Concen: 19.91 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	514819		
120	45.4	0.0	90.6	





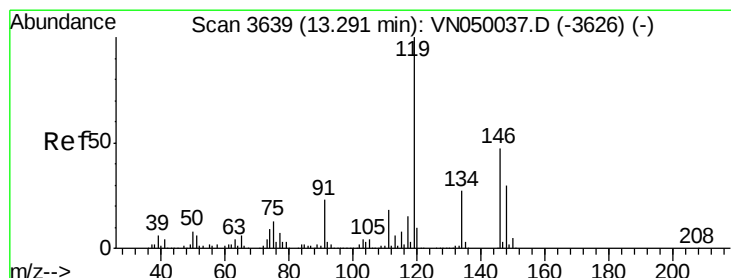
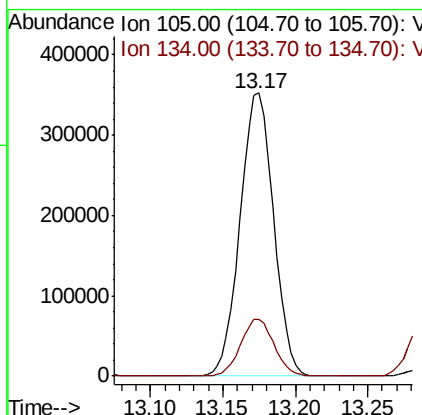
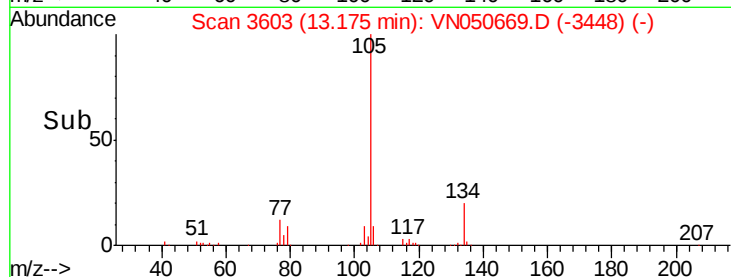
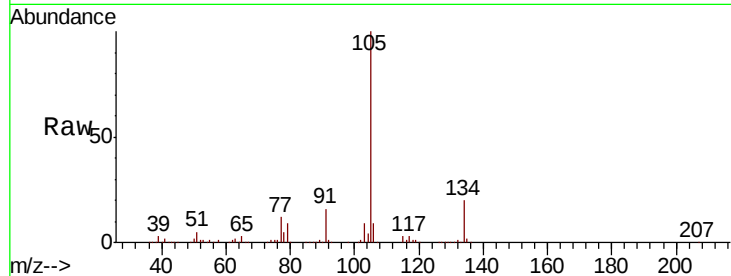
#81
 sec-Butylbenzene
 Concen: 19.17 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	40.6

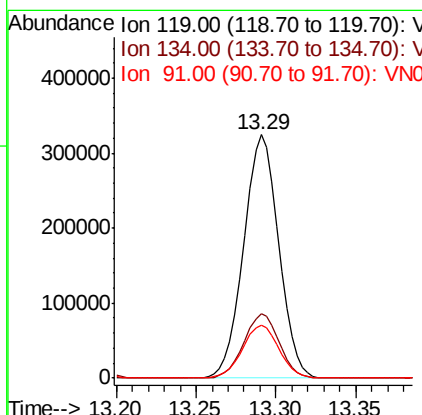
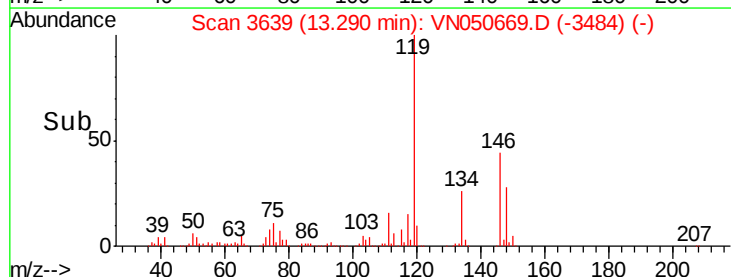
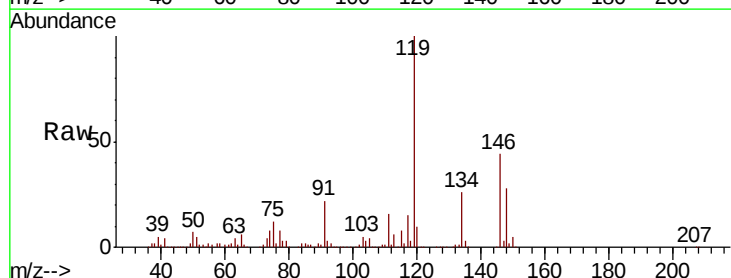
Manual Integrations
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#82
 p-Isopropyltoluene
 Concen: 19.09 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	22.6	0.0	45.6





#83

1,3-Dichlorobenzene

Concen: 19.18 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

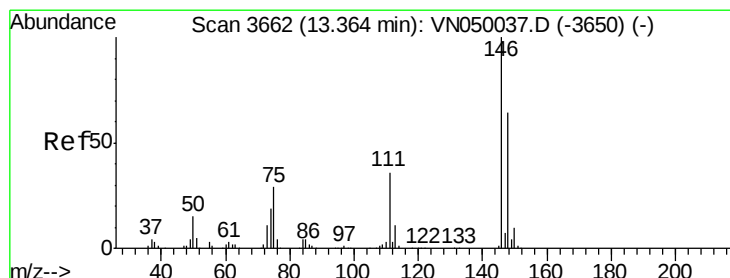
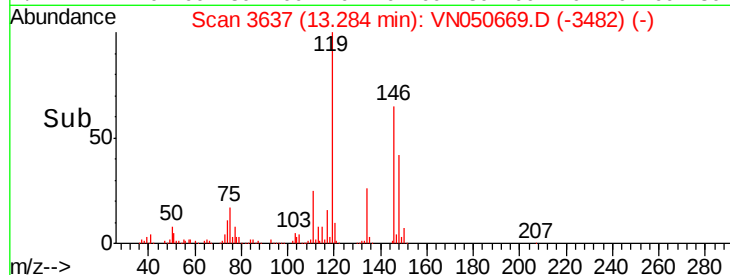
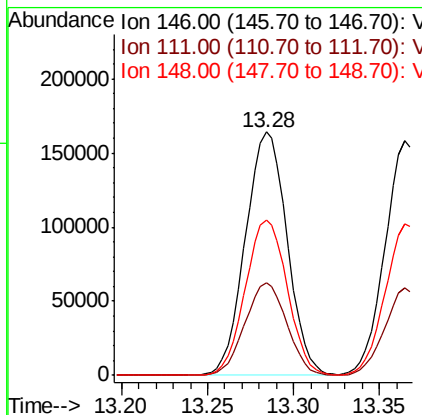
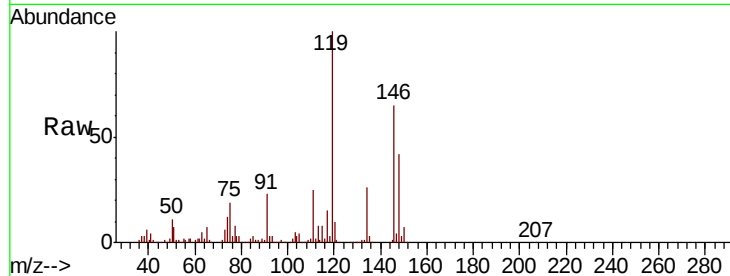
ClientSampleId :

VN0815WBS02

Tot Ion:	146	Resp:	276440
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.1	57.1
148	64.2	31.9	95.9

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#84

1,4-Dichlorobenzene

Concen: 19.00 ug/l

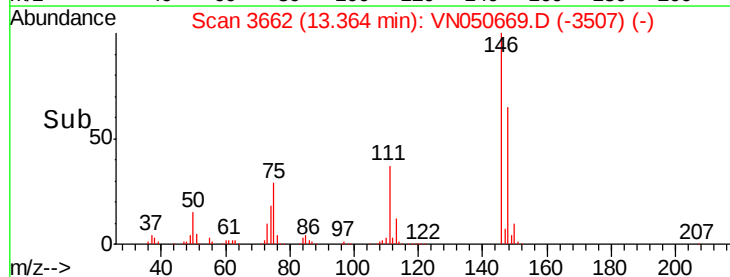
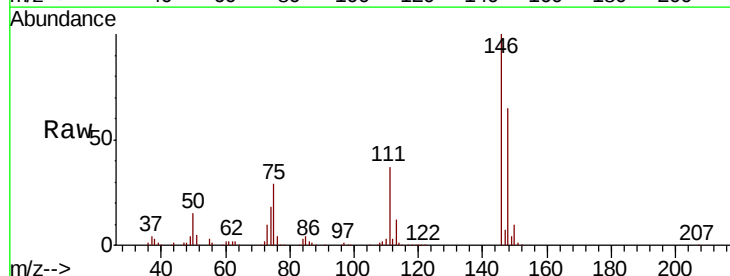
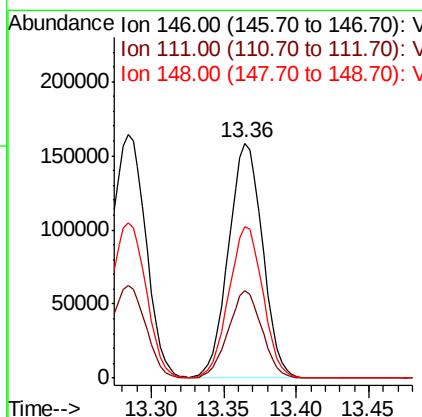
RT: 13.36 min Scan# 3662

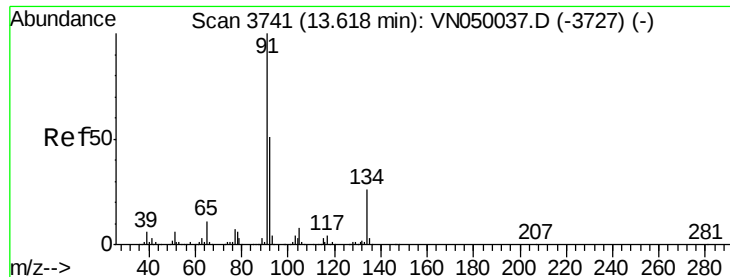
Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	146	Resp:	258786
Ion Ratio	Lower	Upper	
146	100		
111	36.6	17.9	53.8
148	64.5	32.4	97.0





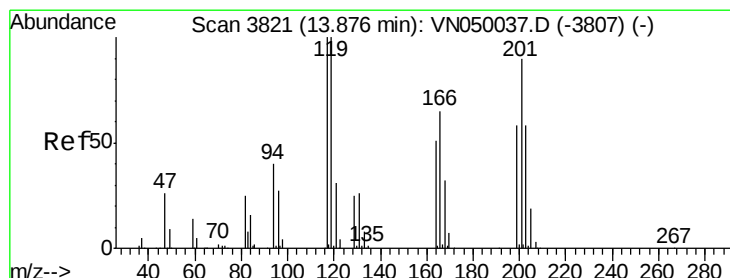
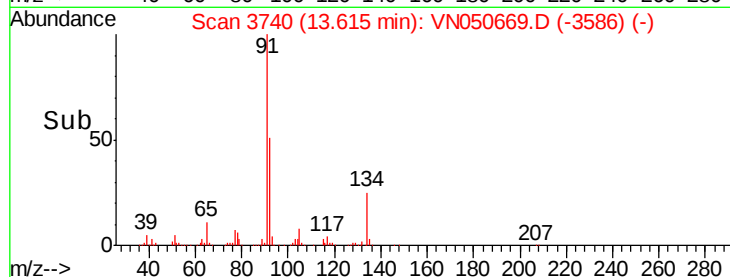
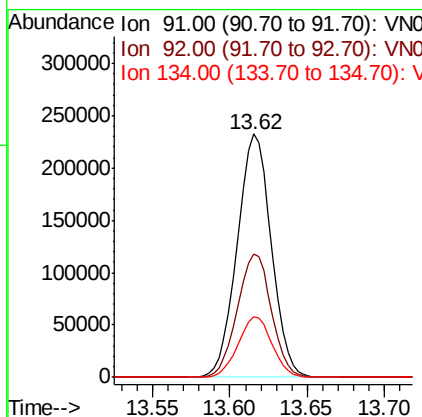
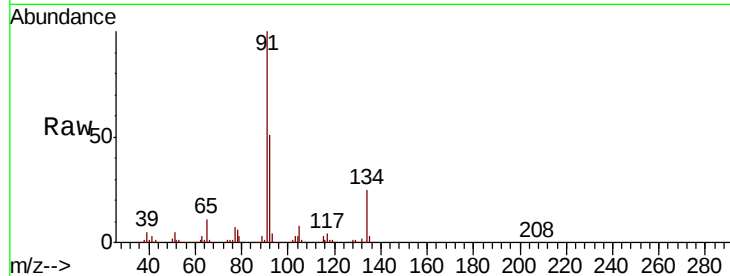
#85
n-Butylbenzene
Concen: 17.35 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	356209		
92	50.5	0.0	102.8	
134	24.8	0.0	51.0	

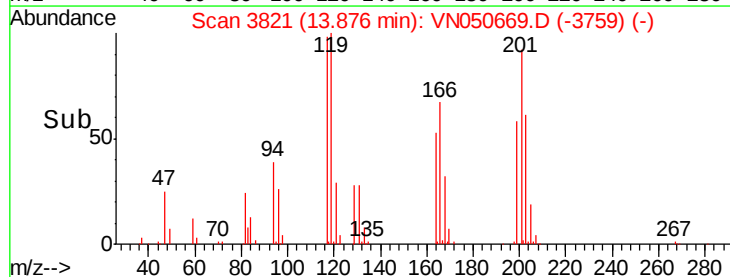
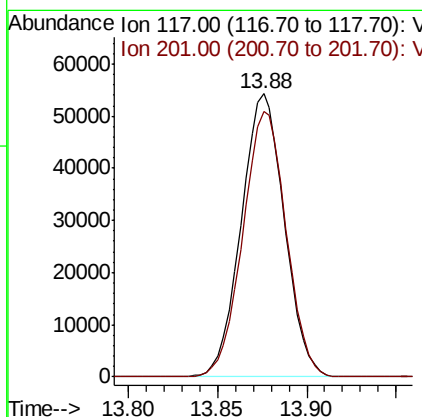
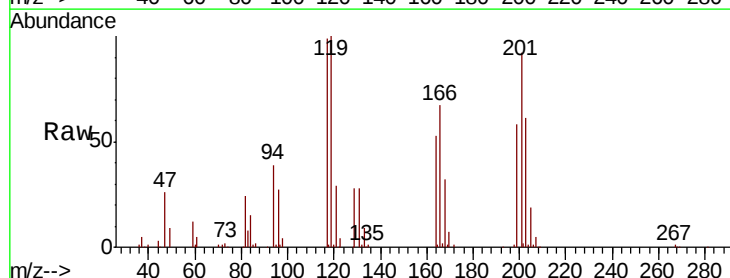
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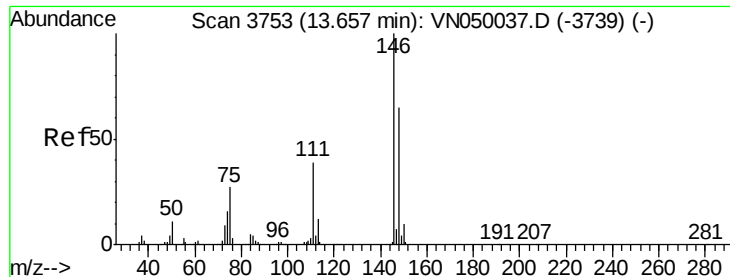
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#86
Hexachloroethane
Concen: 18.19 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	91943		
201	93.8	46.6	139.7	





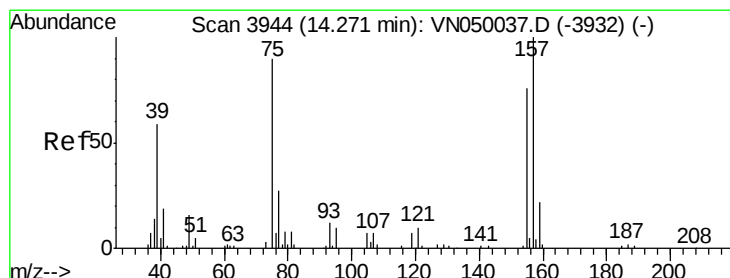
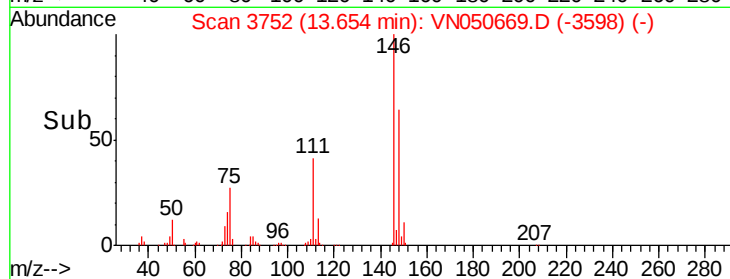
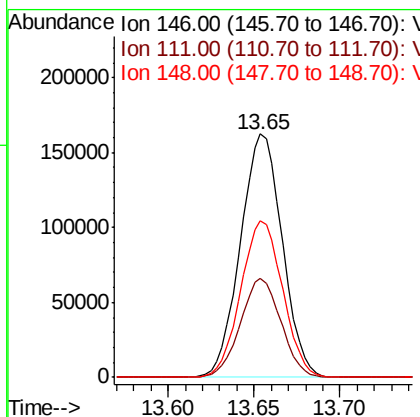
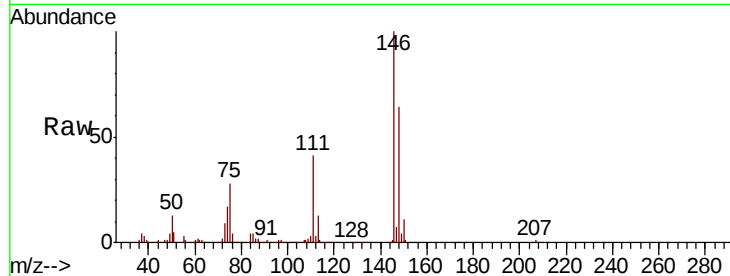
#87
 1,2-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.6	31.8	95.3

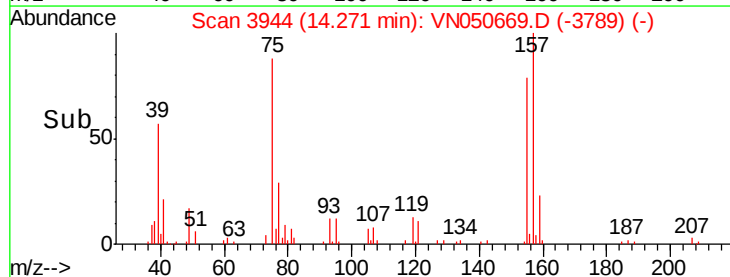
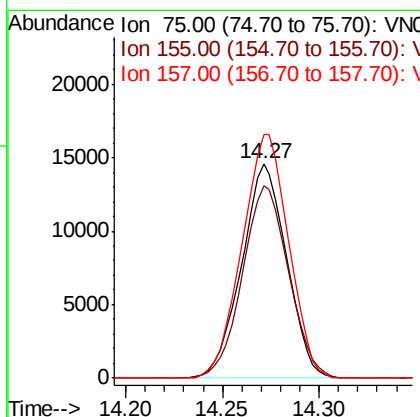
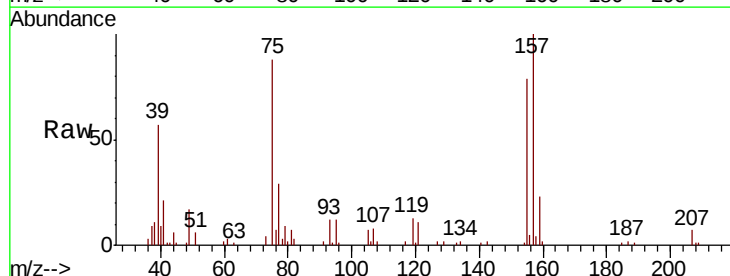
Manual Integrations
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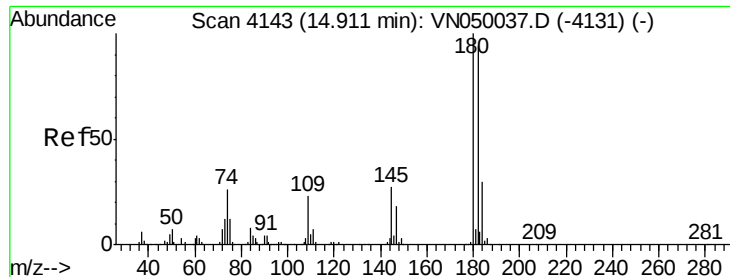
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.78 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	73.0	109.6
157	117.3	94.9	142.3





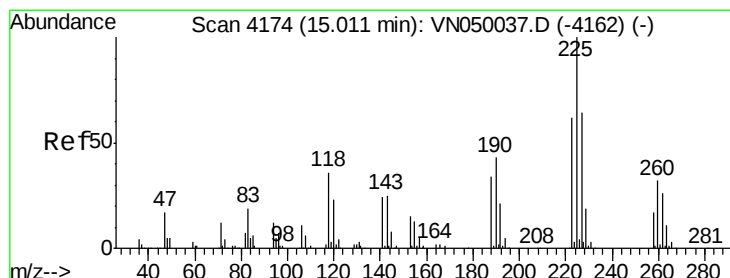
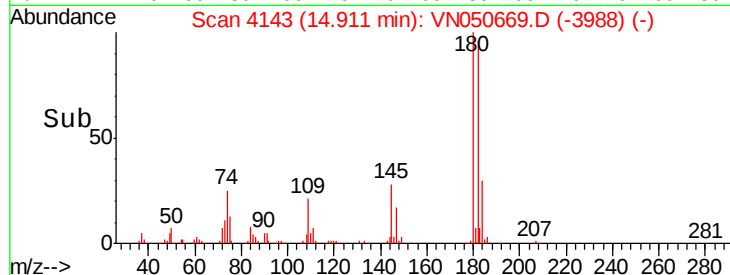
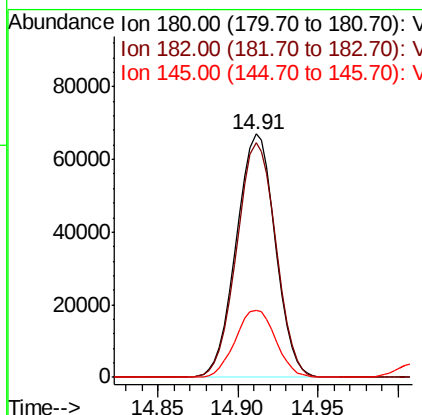
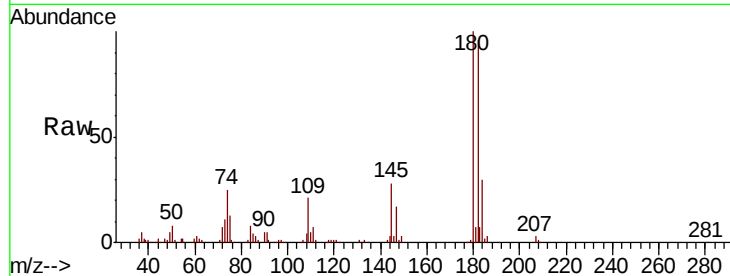
#89
 1,2,4-Trichlorobenzene
 Concen: 16.51 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111125		
182	96.8	76.7	115.1	
145	28.6	23.4	35.0	

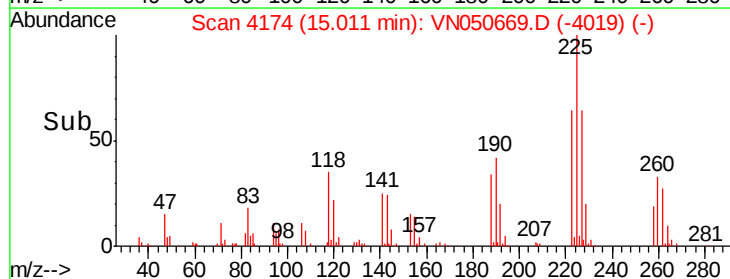
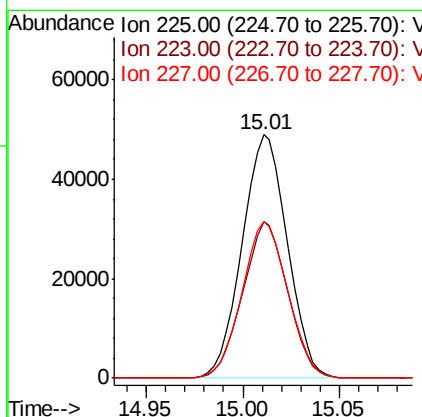
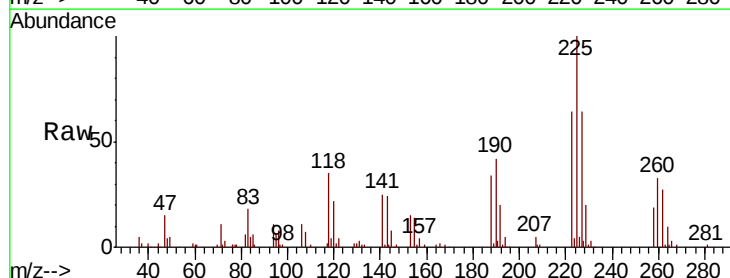
Manual Integrations
 APPROVED

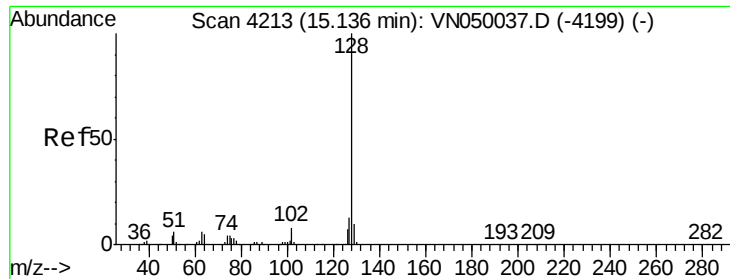
MMDadoda
 8/16/2018 1:18:48 PM



#90
 Hexachlorobutadiene
 Concen: 17.92 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79531		
223	63.8	0.0	124.4	
227	64.9	0.0	133.0	





#91

Naphthalene

Concen: 18.12 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

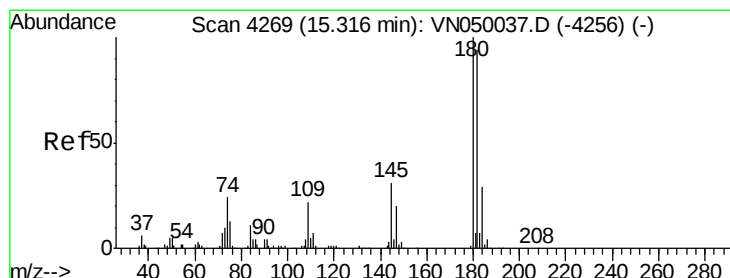
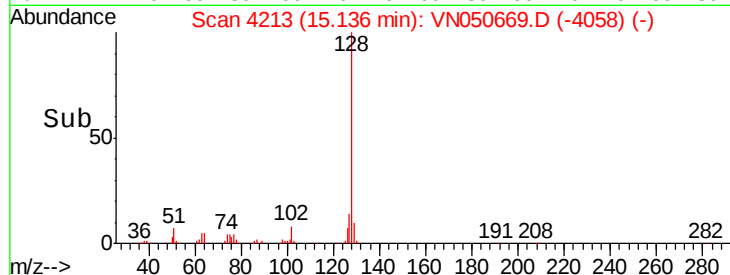
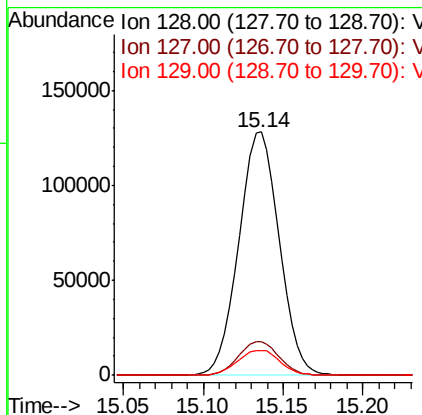
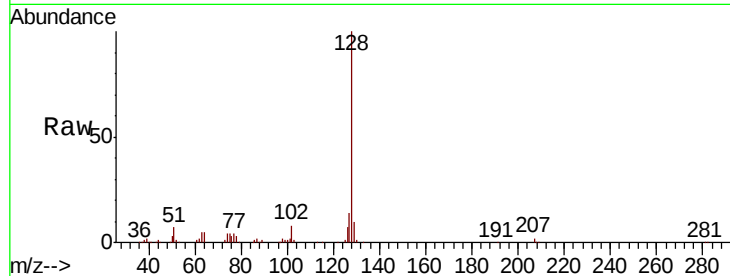
ClientSampleId :

VN0815WBS02

Tot Ion:	128	Resp:	221005
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.2	15.4
129	10.8	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:18:48 PM



#92

1,2,3-Trichlorobenzene

Concen: 16.87 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Tgt Ion:	180	Resp:	115479
Ion Ratio	Lower	Upper	
180	100		
182	98.3	0.0	188.8
145	30.0	0.0	60.8

