

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN051001.D
 Acq On : 31 Aug 2018 20:58
 Operator : MD\SY
 Sample : VN0831WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0831WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:28:22 PM

Quant Time: Sep 01 02:12:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114512	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	627353	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	549183	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	219012	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	12.40	95	238817	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	781065	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	140655	19.78	ug/l	99
3) Chloromethane	2.06	50	152967	18.22	ug/l	100
4) Vinyl Chloride	2.18	62	159359	19.21	ug/l	100
5) Bromomethane	2.57	94	70294	13.90	ug/l	98
6) Chloroethane	2.70	64	93647	19.14	ug/l	98
7) Trichlorofluoromethane	3.02	101	217566	19.78	ug/l	98
8) Diethyl Ether	3.41	74	72977	18.82	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133766	19.64	ug/l	98
10) 1,1-Dichloroethene	3.74	96	118691	19.18	ug/l	99
11) Methyl Iodide	3.95	142	83363	14.44	ug/l	99
12) Methyl Acetate	4.33	43	140200	19.59	ug/l	96
13) Acrolein	3.61	56	7866	49.65	ug/l	95
14) Acrylonitrile	5.00	53	205307	84.87	ug/l	97
15) Acetone	3.82	58	50226	81.14	ug/l	98
16) Carbon Disulfide	4.05	76	344083	18.49	ug/l	100
17) Allyl chloride	4.32	41	177985	18.28	ug/l	98
18) Methylene Chloride	4.55	84	139226	19.17	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	124121	18.83	ug/l	95
20) Diisopropyl ether	5.96	45	393575	19.47	ug/l	99
21) 1,1-Dichloroethane	5.85	63	242812	19.60	ug/l	100
22) cis-1,2-Dichloroethene	6.84	96	143759	19.30	ug/l	99
23) tert-Butyl Alcohol	4.79	59	39569m	76.91	ug/l	
24) Methyl tert-Butyl Ether	5.05	73	307765	18.19	ug/l	98
25) Chloroform	7.37	83	244191	19.75	ug/l	100
26) Cyclohexane	7.66	56	191909	18.69	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	175291	18.66	ug/l	98
30) 2-Butanone	6.84	43	215261	74.50	ug/l	100
31) 2,2-Dichloropropane	6.83	77	171131	18.73	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	204150	19.17	ug/l	100
33) Carbon Tetrachloride	7.78	117	180461	18.82	ug/l	97
34) Benzene	8.04	78	548731	18.89	ug/l	99
35) Methacrylonitrile	7.18	41	58179	18.38	ug/l	97
36) 1,2-Dichloroethane	8.13	62	165814	18.87	ug/l	100
37) Trichloroethene	8.84	130	147475	19.42	ug/l	96
38) Methylcyclohexane	9.08	83	180457	17.89	ug/l	99
39) 1,2-Dichloropropane	9.12	63	145776	19.21	ug/l	100
40) Dibromomethane	9.21	93	84117	18.40	ug/l	99

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Manual Integrations
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Quant Time: Sep 01 02:12:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	181588	18.84	ug/l	100
42) Vinyl Acetate	5.90	43	1127536	84.72	ug/l	100
43) Ethyl Acetate	6.93	43	99839	16.87	ug/l	97
44) Isopropyl Acetate	8.17	43	186265	17.83	ug/l	99
45) 1,4-Dioxane	9.20	88	24065	310.18	ug/l	96
46) Methyl methacrylate	9.20	41	85520	16.35	ug/l	99
47) n-amyl Acetate	12.07	43	130878	15.59	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	165642	17.54	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	201441	18.57	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126558	19.05	ug/l	99
51) Ethyl methacrylate	10.43	69	134090	16.50	ug/l	98
52) 1,3-Dichloropropane	10.71	76	201679	18.33	ug/l	99
53) Dibromochloromethane	10.90	129	138066	18.28	ug/l	99
54) 1,2-Dibromoethane	11.01	107	115897	17.65	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	281734	83.32	ug/l	100
56) Bromoform	12.13	173	91306	17.00	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	505085	80.38	ug/l	100
59) 2-Hexanone	10.75	43	307854	74.96	ug/l	99
61) Tetrachloroethene	10.63	164	136809	19.99	ug/l	99
62) Toluene	10.16	91	615422	20.09	ug/l	100
64) Chlorobenzene	11.43	112	364488	19.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138902	19.37	ug/l	98
66) Ethyl Benzene	11.51	91	600435	18.92	ug/l	99
67) m/p-Xylenes	11.62	106	472123	38.66	ug/l	100
68) o-Xylene	11.95	106	224260	19.22	ug/l	99
69) Styrene	11.96	104	346063	18.66	ug/l	100
70) Isopropylbenzene	12.25	105	595660	19.21	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	149816	17.85	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	127671m	17.63	ug/l	
73) Bromobenzene	12.53	156	150824	18.49	ug/l	98
74) n-propylbenzene	12.59	91	664968	18.97	ug/l	99
75) 2-Chlorotoluene	12.67	91	413192	19.40	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	491135	19.38	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30062	14.57	ug/l	95
78) 4-Chlorotoluene	12.77	91	393413	18.76	ug/l	99
79) tert-butylbenzene	12.99	119	419206	19.05	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	492298	19.49	ug/l	100
81) sec-Butylbenzene	13.17	105	554108	19.25	ug/l	99
82) p-Isopropyltoluene	13.29	119	485942	19.56	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	253491	18.38	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	235093	17.99	ug/l	98
85) n-Butylbenzene	13.62	91	343743	18.13	ug/l	99
86) Hexachloroethane	13.87	117	79211	16.61	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	254220	18.73	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19048	16.22	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	93902	15.54	ug/l	99
90) Hexachlorobutadiene	15.01	225	87090	21.21	ug/l	98
91) Naphthalene	15.13	128	167709	17.46	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	99028	16.33	ug/l	99

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Manual Integrations
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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

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

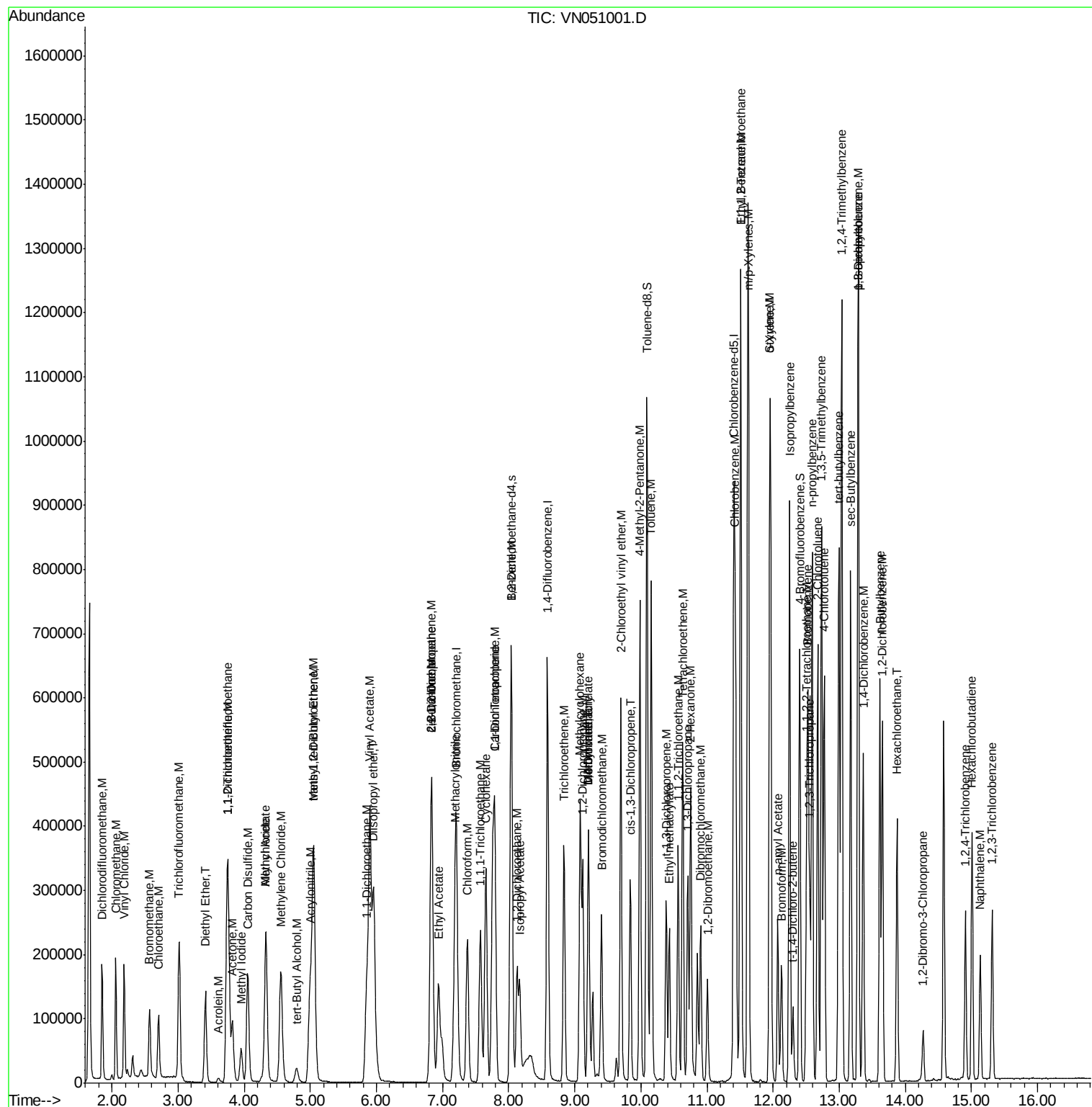
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
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Instrument :
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Manual Integrations
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Quant Time: Sep 01 02:12:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

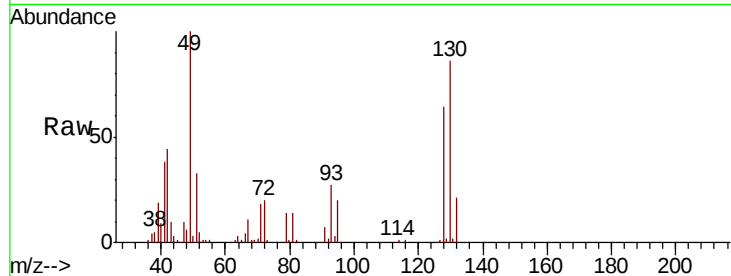
ClientSampleId :

VN0831WBSD02

Tot Ion:	128	Resp:	114512
Ion	Ratio	Lower	Upper
128	100		
49	153.2	0.0	380.3
130	132.6	0.0	325.3

Manual Integrations
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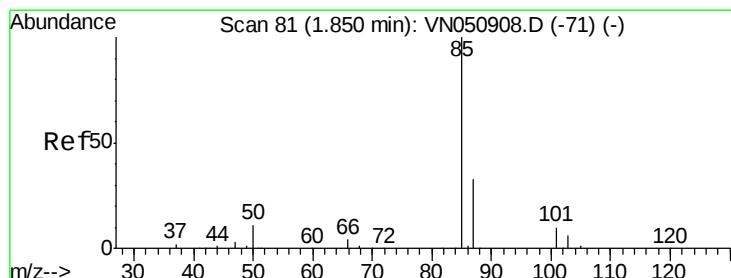
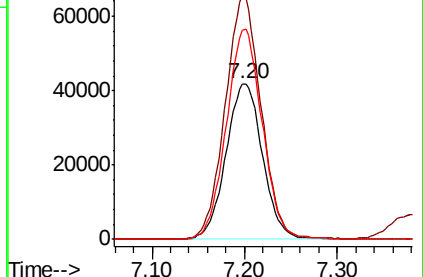
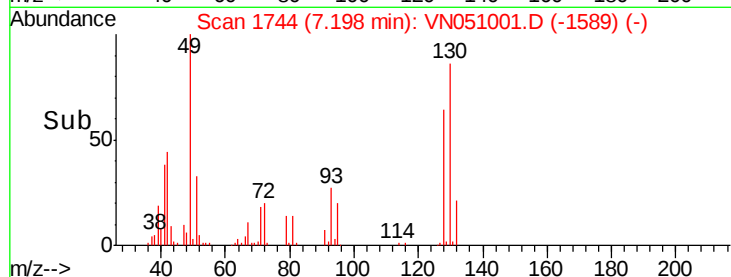
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.78 ug/l

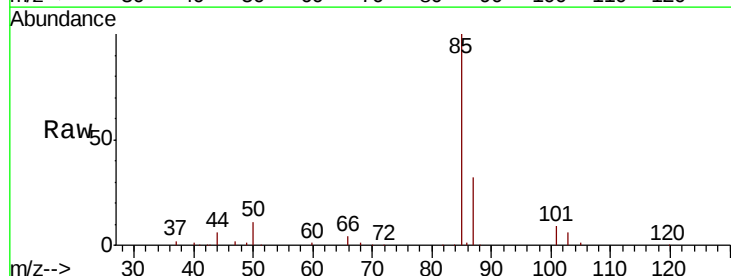
RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051001.D

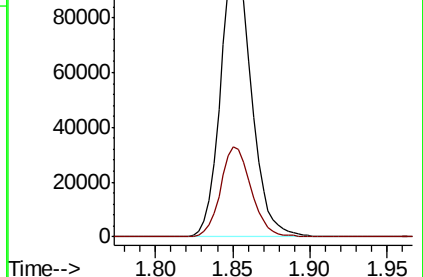
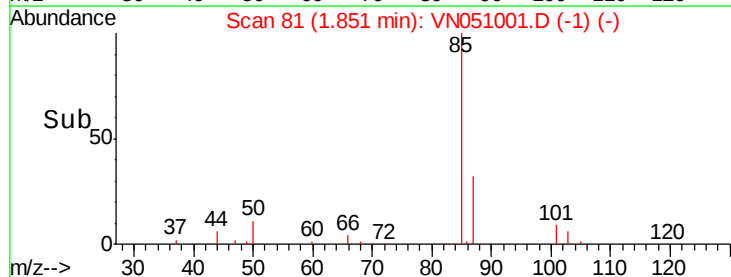
Acq: 31 Aug 2018 20:58

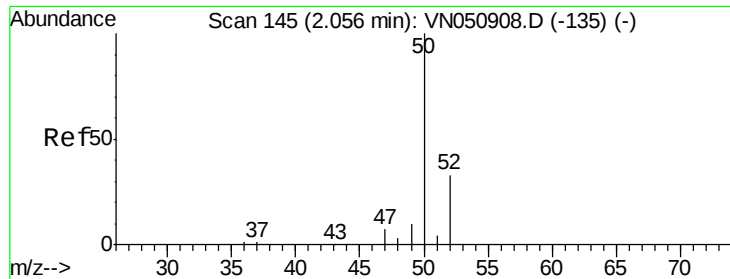
Tgt Ion:	85	Resp:	140655
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.22 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 50 Resp: 152967

Ion Ratio Lower Upper

50 100

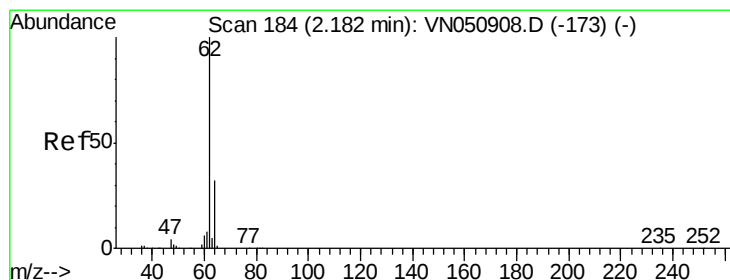
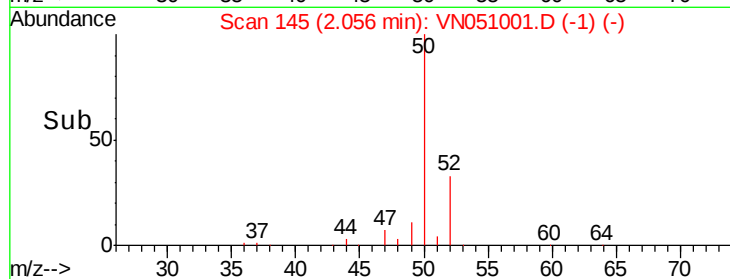
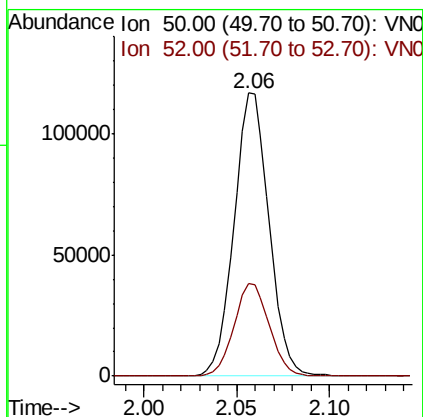
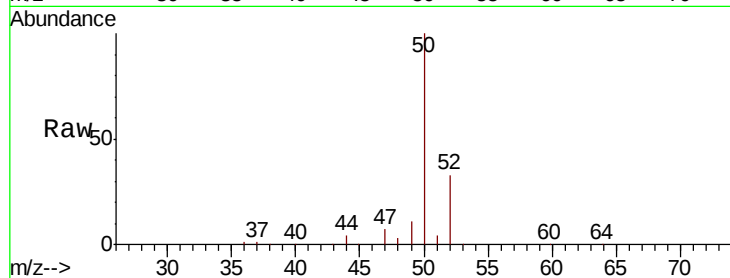
52 32.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN051001.D

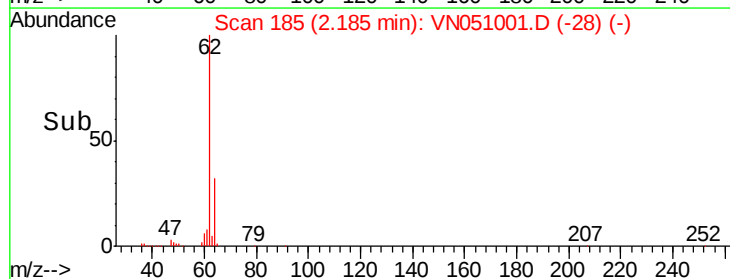
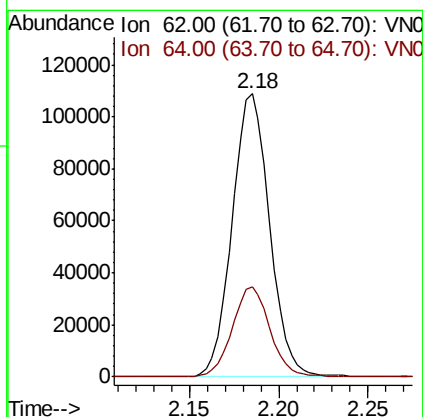
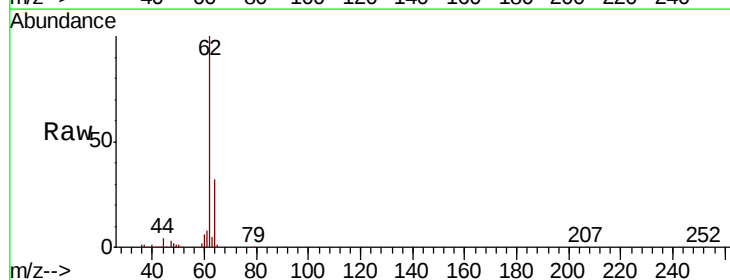
Acq: 31 Aug 2018 20:58

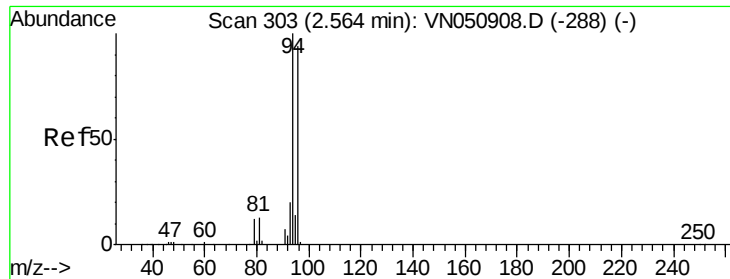
Tgt Ion: 62 Resp: 159359

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 13.90 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 94 Resp: 70294

Ion Ratio Lower Upper

94 100

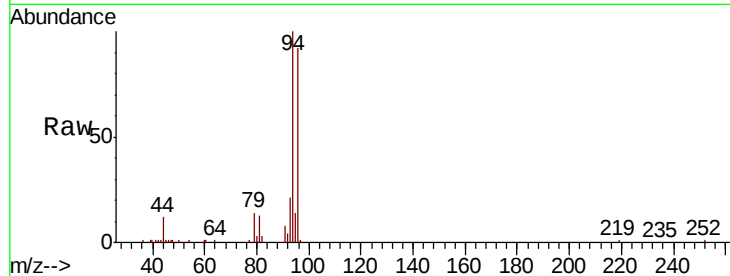
96 92.0 74.9 112.3

Manual Integrations

APPROVED

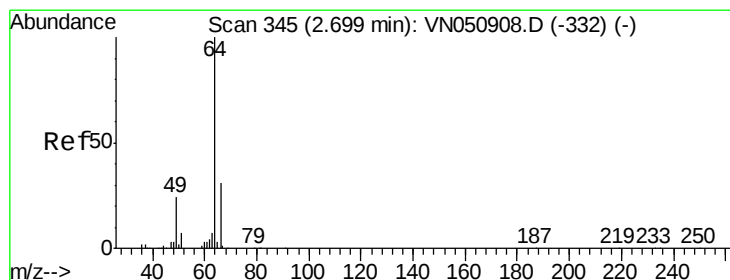
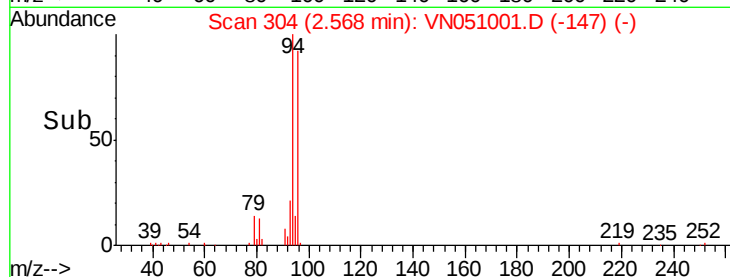
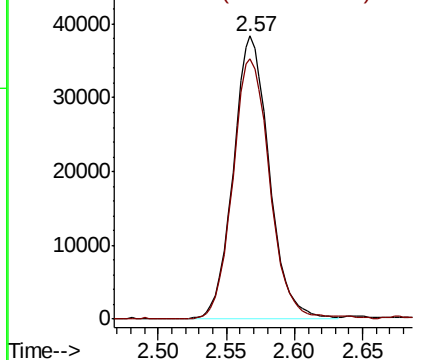
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.14 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN051001.D

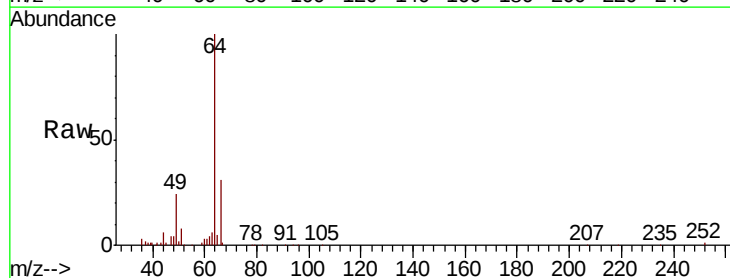
Acq: 31 Aug 2018 20:58

Tgt Ion: 64 Resp: 93647

Ion Ratio Lower Upper

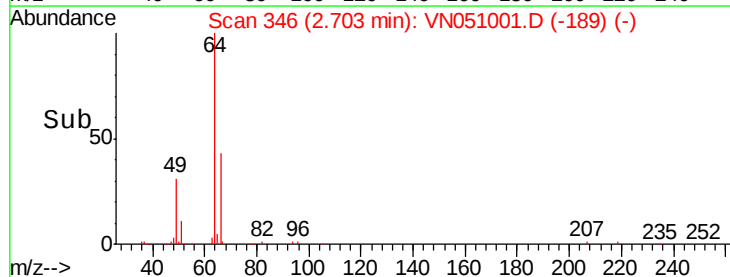
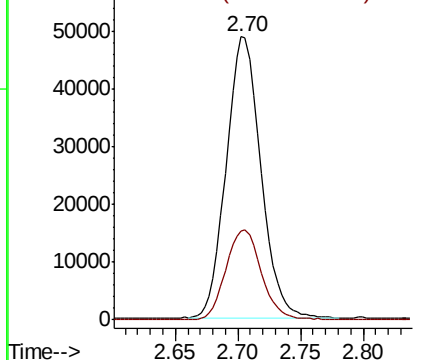
64 100

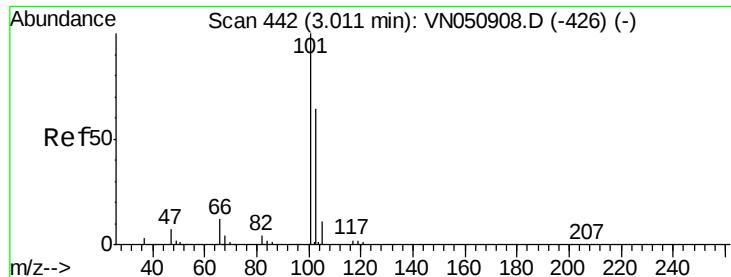
66 31.6 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

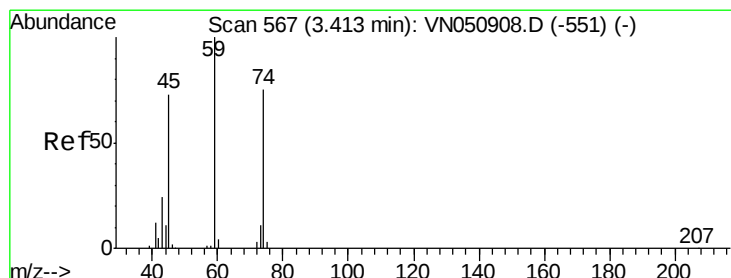
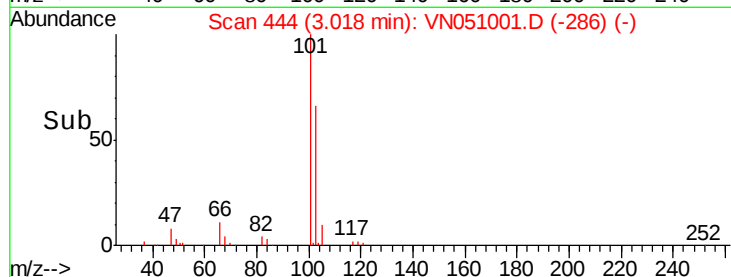
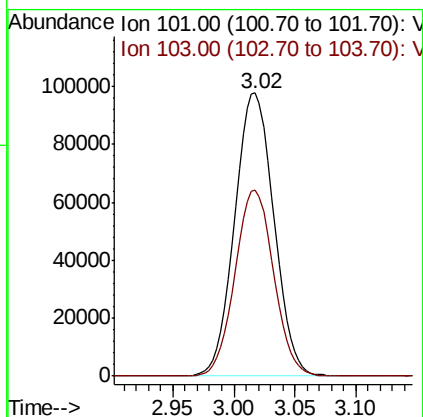
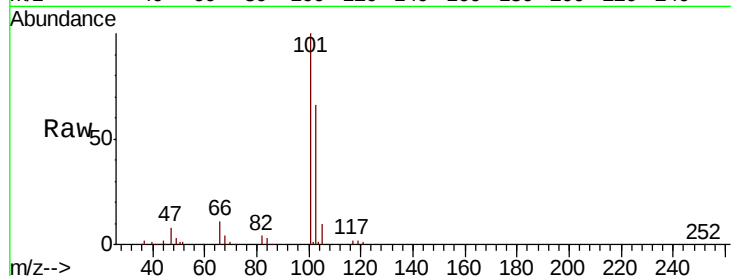
Trichlorofluoromethane
 Concen: 19.78 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
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 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	217566		
103	65.9	51.3	76.9	

Manual Integrations
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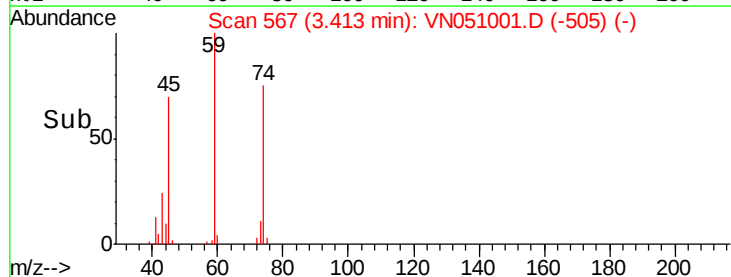
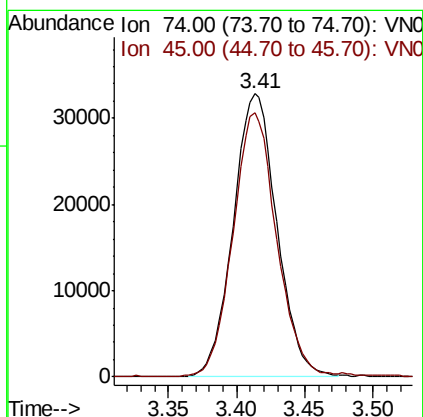
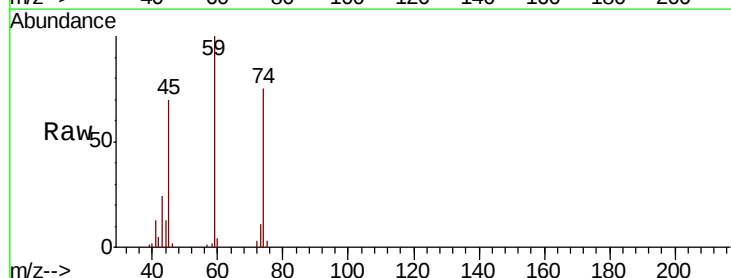
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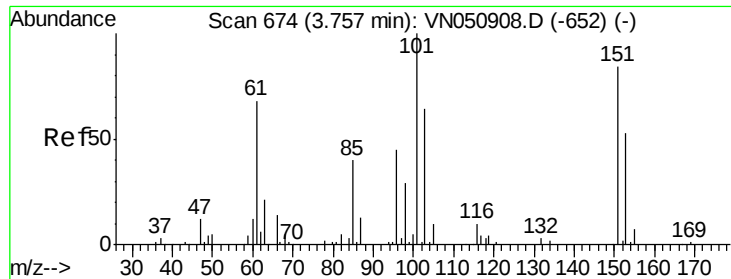


#8

Diethyl Ether
 Concen: 18.82 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72977		
45	93.5	19.7	177.1	





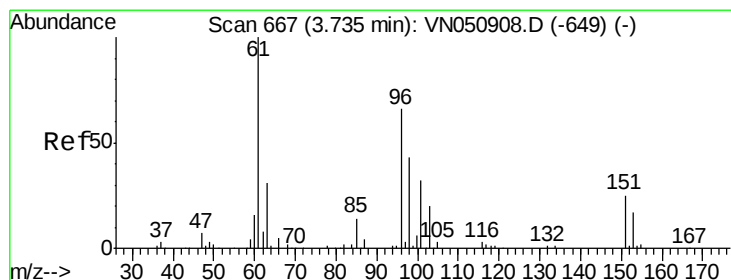
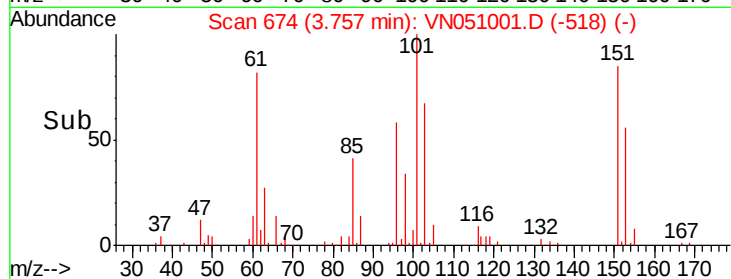
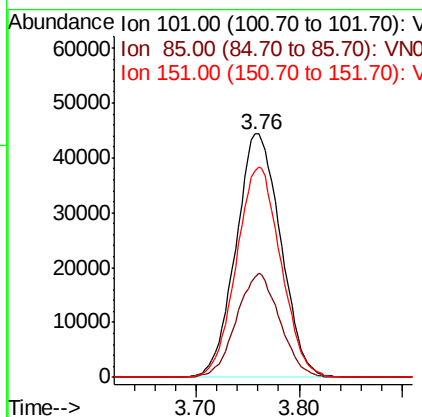
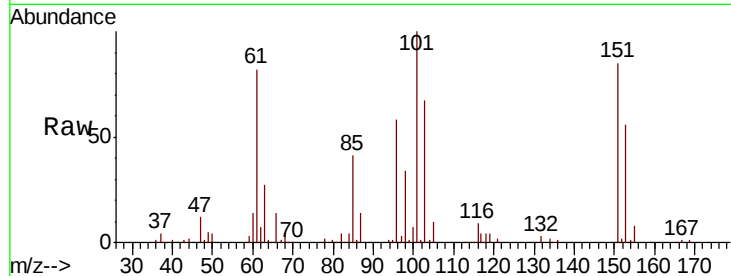
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.64 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	133766		
85	41.2	0.0	83.6	
151	85.6	0.0	167.0	

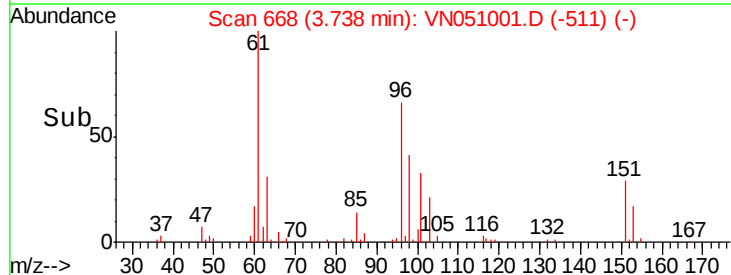
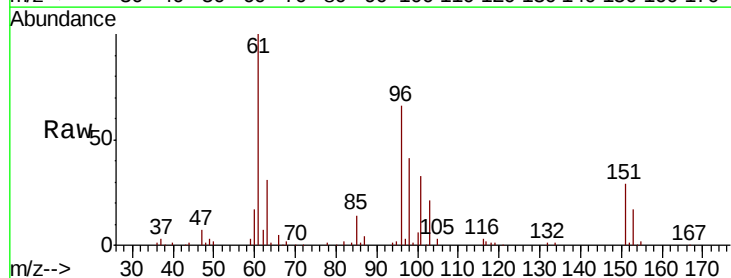
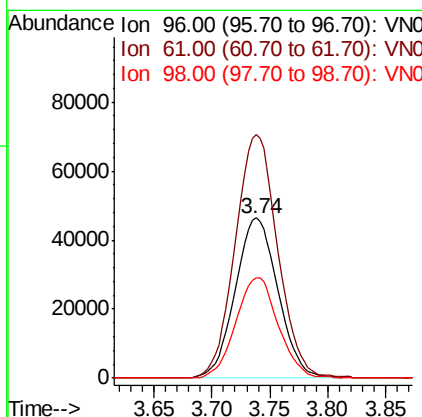
Manual Integrations
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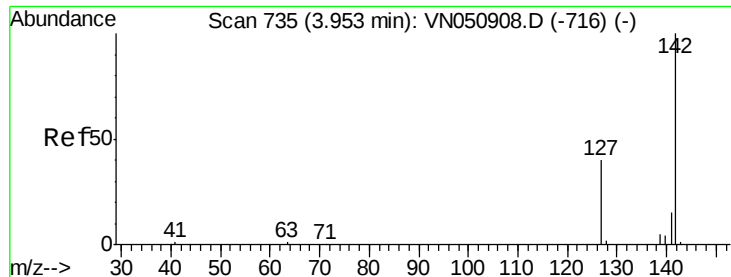
MMDadoda
 9/4/2018 12:28:22 PM



#10
 1,1-Dichloroethene
 Concen: 19.18 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118691		
61	152.3	121.8	182.8	
98	62.4	52.3	78.5	





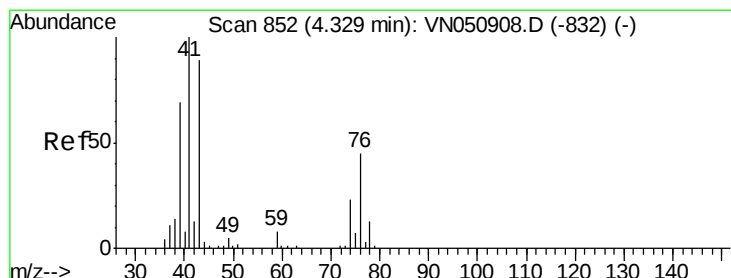
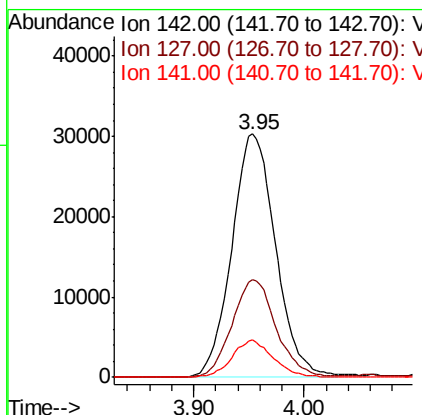
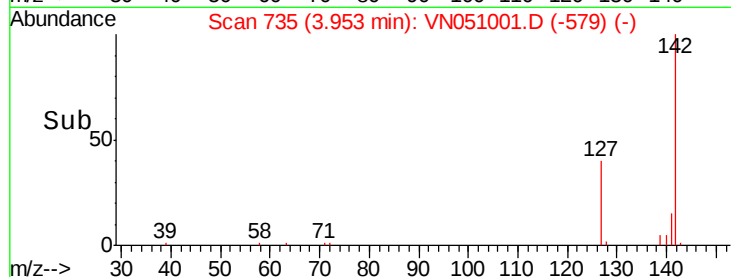
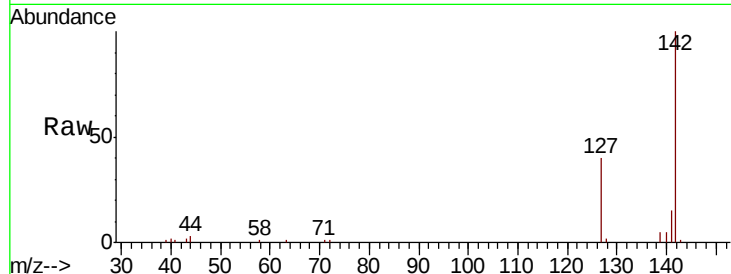
#11
Methyl Iodide
Concen: 14.44 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.0	19.7	59.1
141	15.3	7.3	22.0

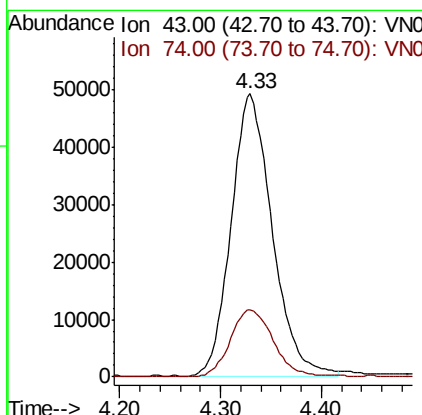
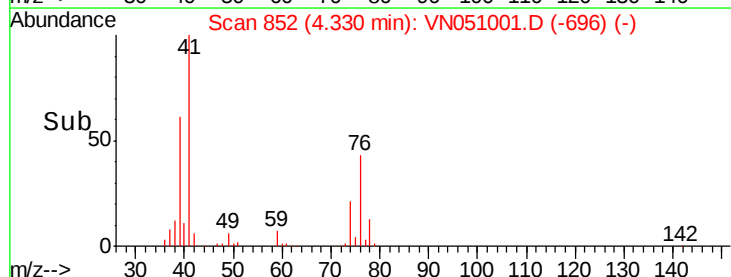
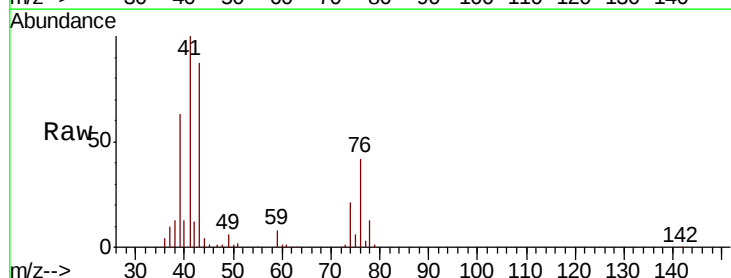
Manual Integrations
APPROVED

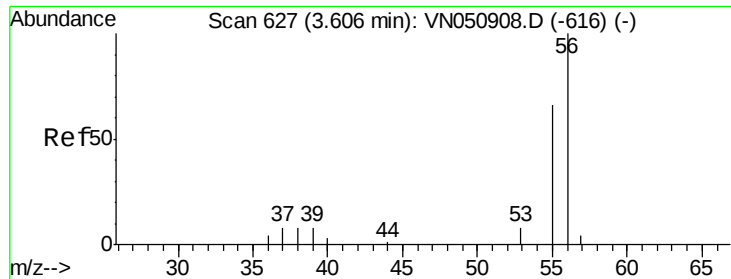
MMDadoda
9/4/2018 12:28:22 PM



#12
Methyl Acetate
Concen: 19.59 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.6	31.0





#13

Acrolein

Concen: 49.65 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 56 Resp: 7866

Ion Ratio Lower Upper

56 100

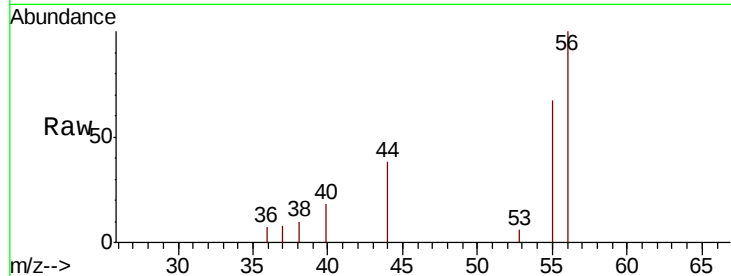
55 69.4 59.1 88.7

Manual Integrations

APPROVED

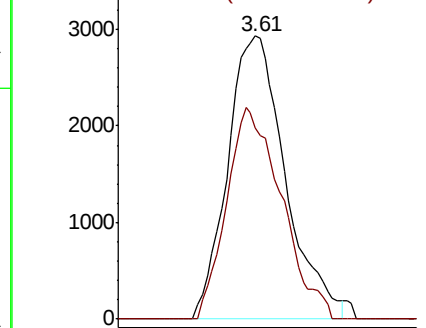
MMDadoda

9/4/2018 12:28:22 PM

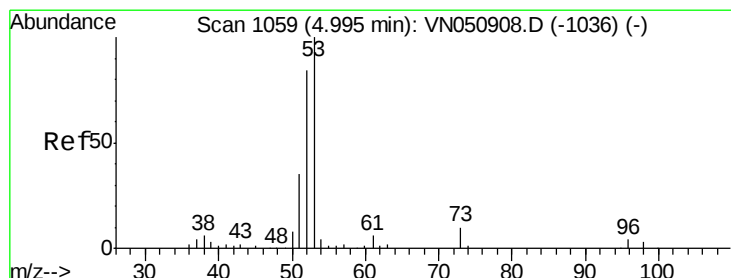
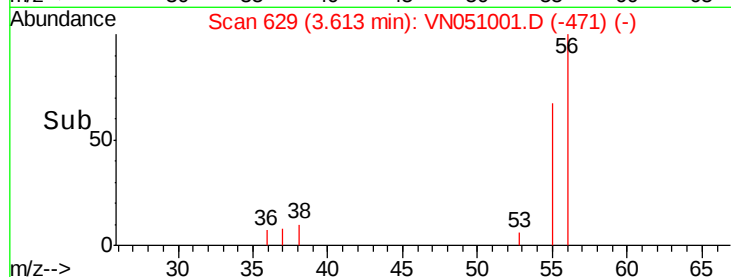


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 84.87 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

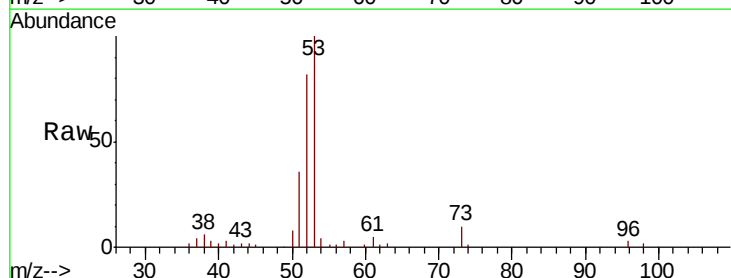
Tgt Ion: 53 Resp: 205307

Ion Ratio Lower Upper

53 100

52 81.3 42.2 126.6

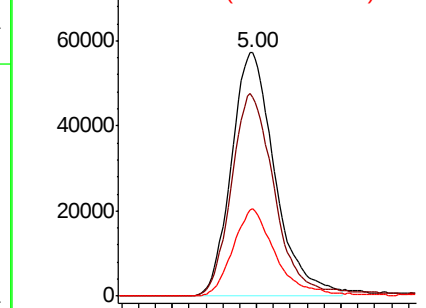
51 34.9 17.7 53.1



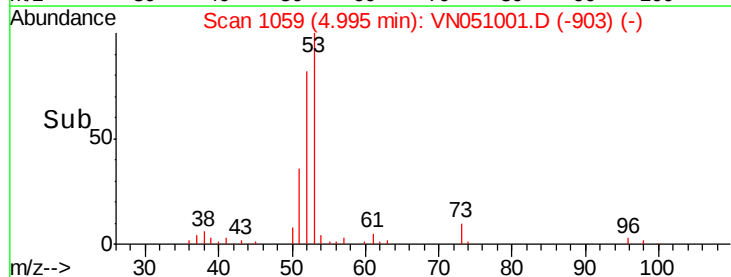
Abundance Ion 53.00 (52.70 to 53.70): VN0

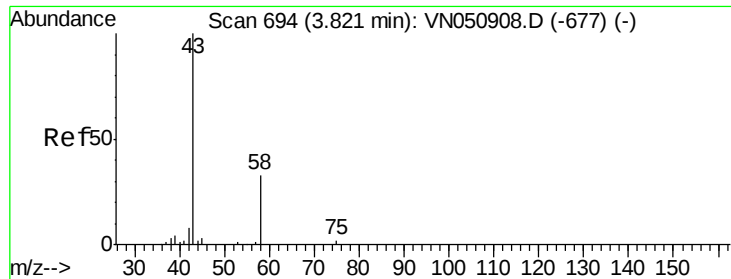
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 81.14 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 58 Resp: 50226

Ion Ratio Lower Upper

58 100

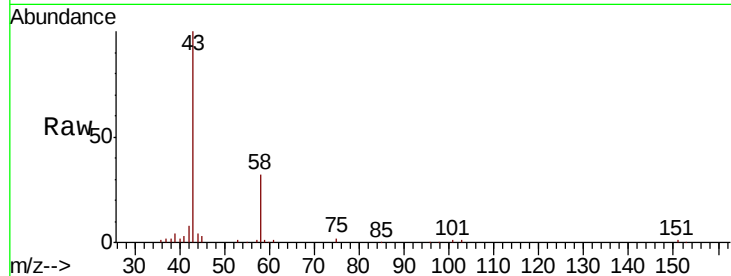
43 303.1 239.4 359.0

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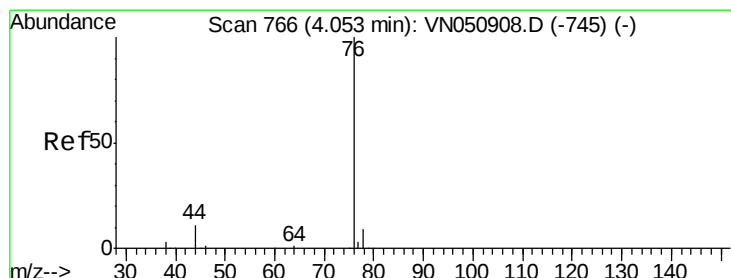
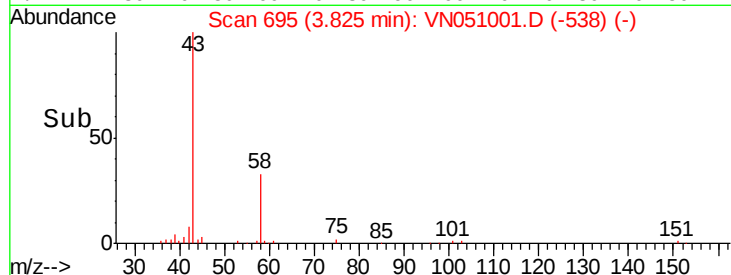
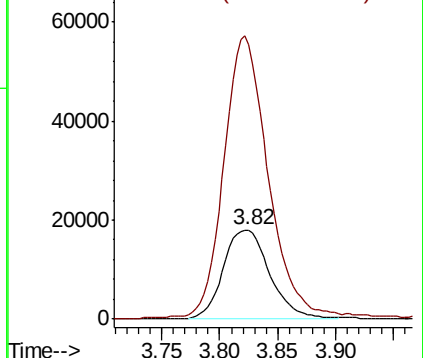
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.49 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN051001.D

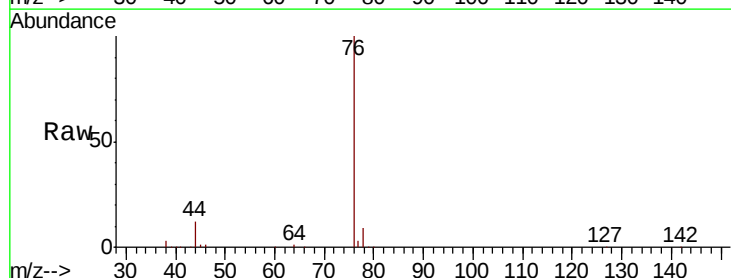
Acq: 31 Aug 2018 20:58

Tgt Ion: 76 Resp: 344083

Ion Ratio Lower Upper

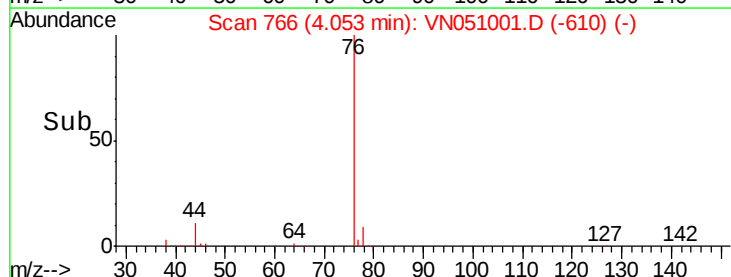
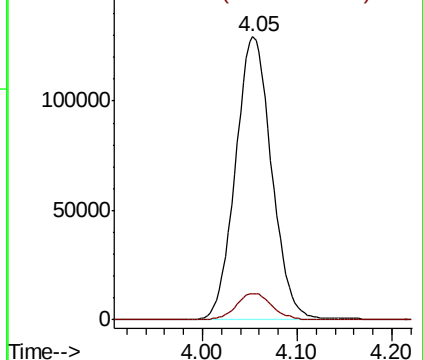
76 100

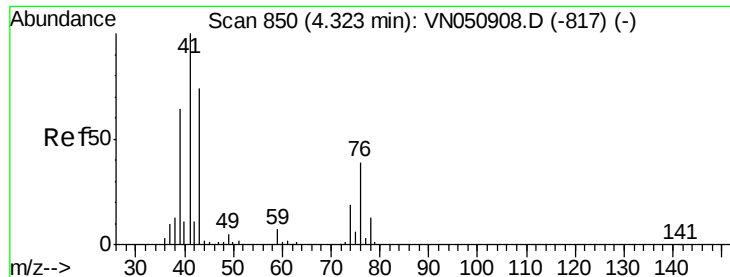
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





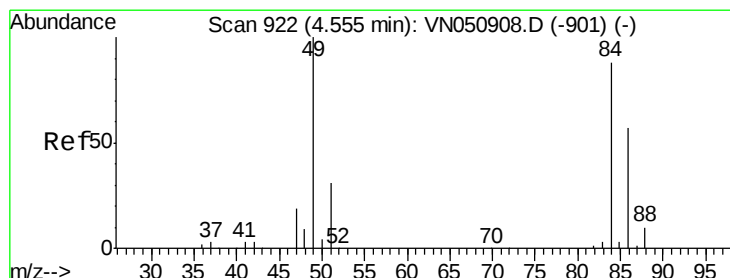
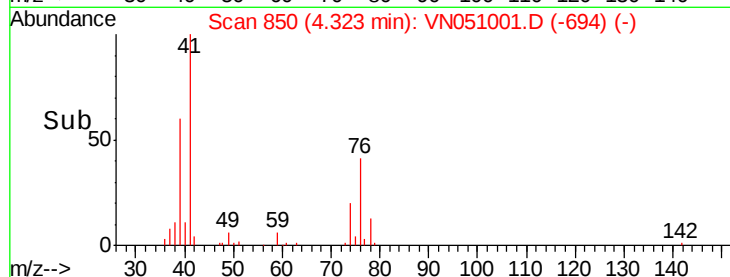
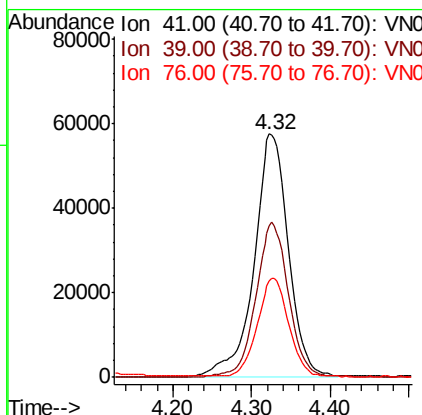
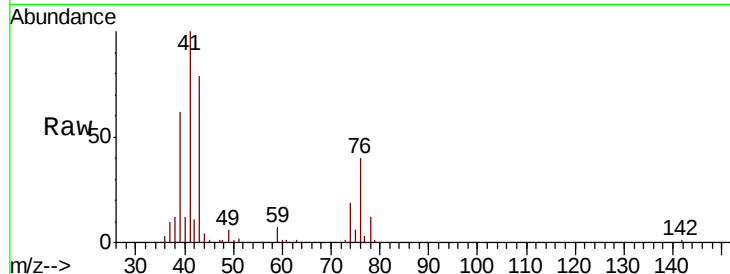
#17
Allvl chloride
Concen: 18.28 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.4	32.2	96.6
76	39.2	19.6	58.7

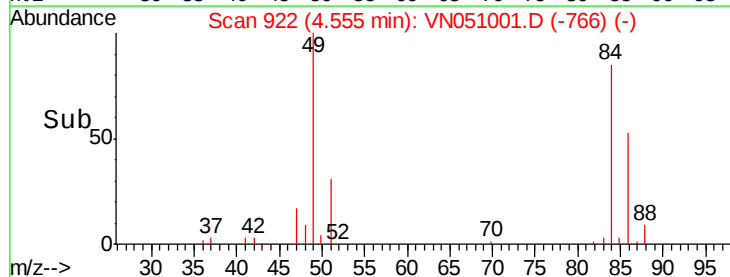
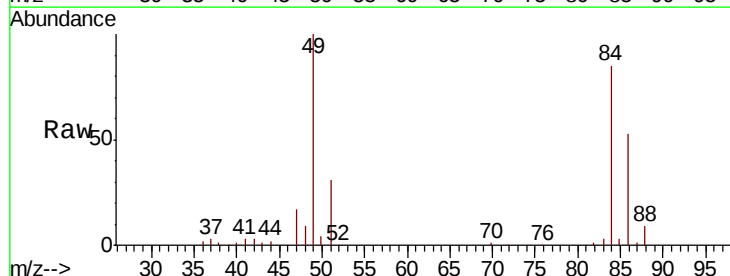
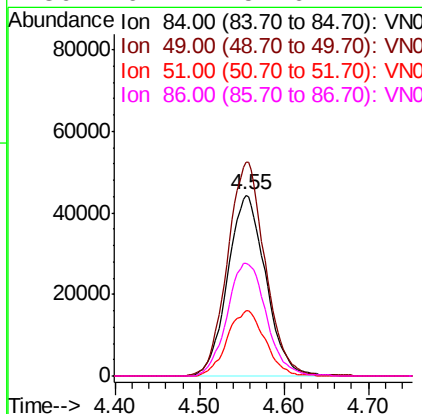
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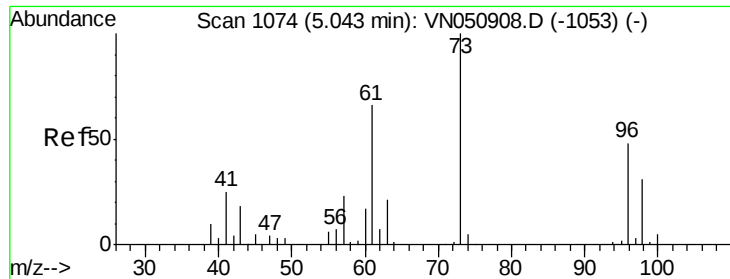
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#18
Methylene Chloride
Concen: 19.17 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	90.6	135.8
51	36.0	28.4	42.6
86	62.4	51.6	77.4





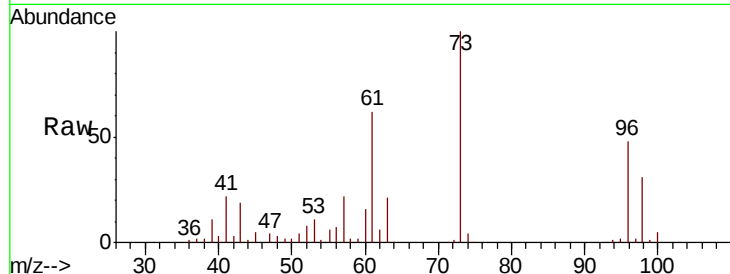
#19
trans-1,2-Dichloroethene
Concen: 18.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	109.5	164.3
98	64.4	51.9	77.9

Manual Integrations
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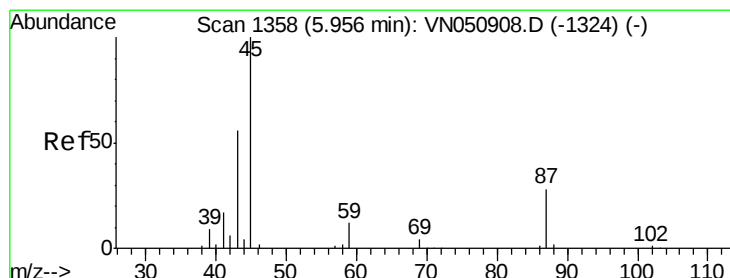
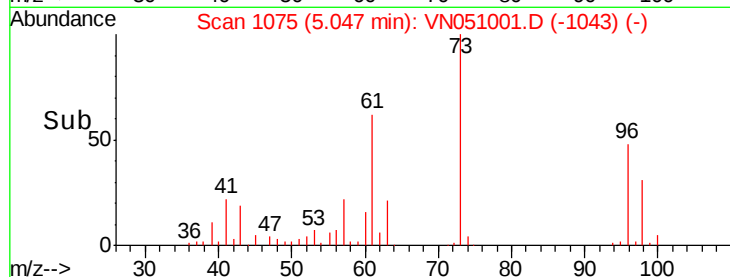
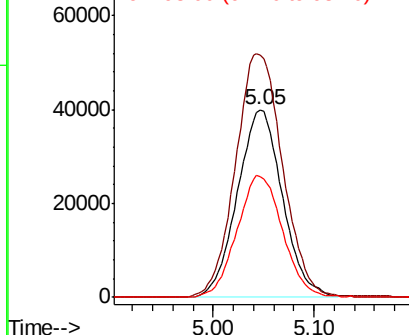


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.47 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	47.0	70.6
87	28.4	22.8	34.2
59	12.5	9.5	14.3

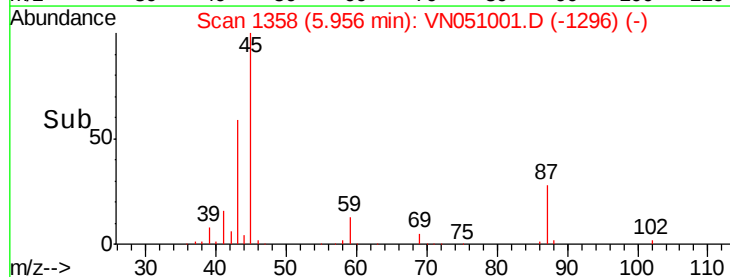
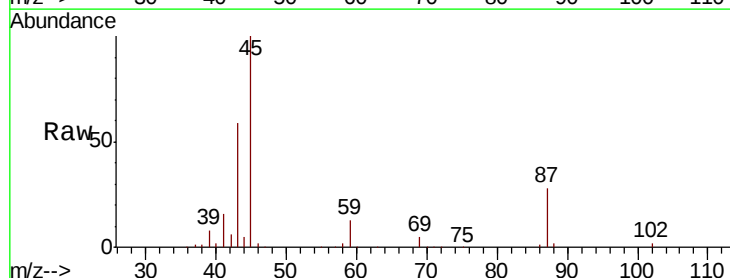
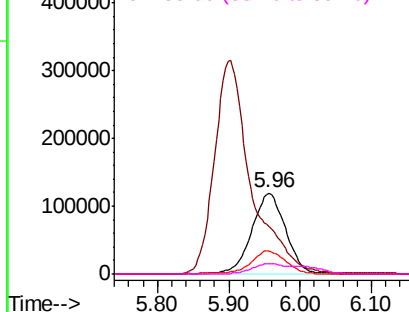
Abundance

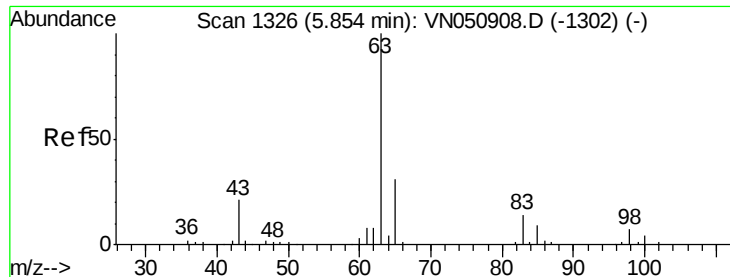
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





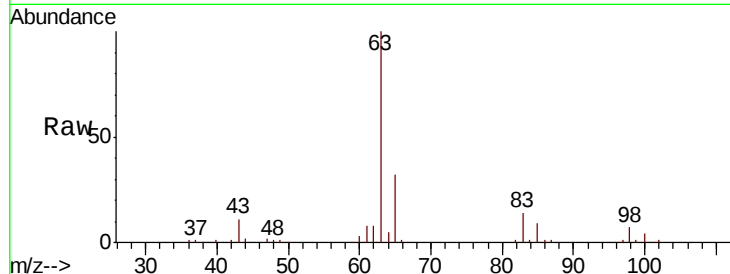
#21
 1,1-Dichloroethane
 Concen: 19.60 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

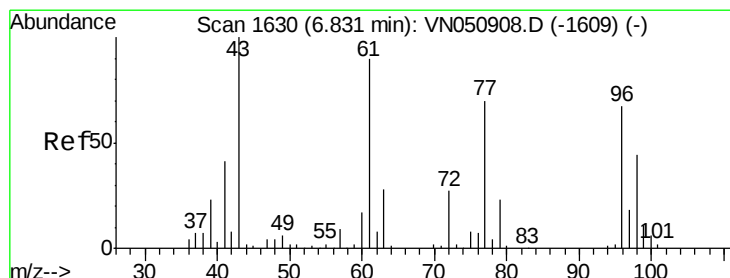
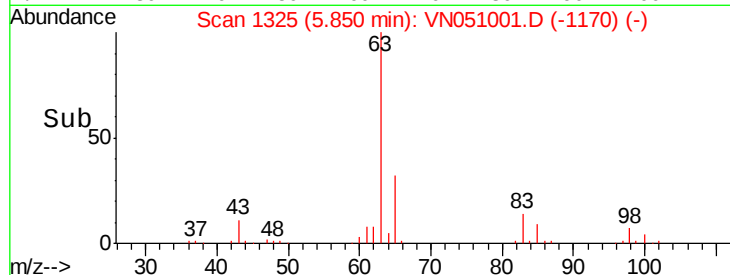
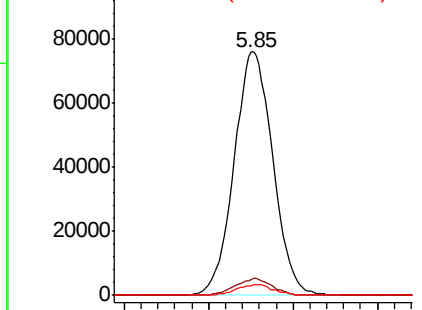
Tot Ion	Ratio	Resp	Lower	Upper
63	100	242812		
98	6.5	3.3	9.9	
100	4.1	2.0	6.0	

Manual Integrations
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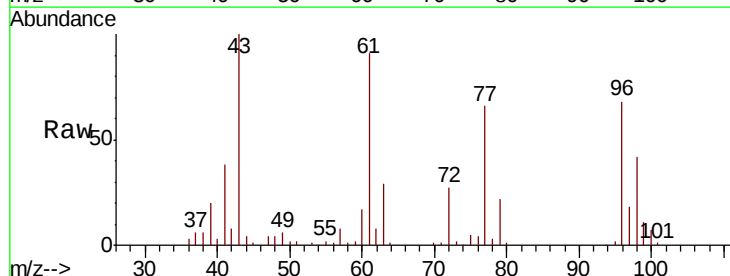


Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-1302) (-)
 Ion 98.00 (97.70 to 98.70): VN050908.D (-1302) (-)
 Ion 100.00 (99.70 to 100.70): VN050908.D (-1302) (-)

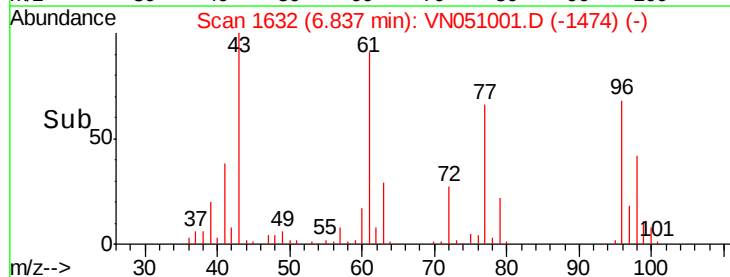
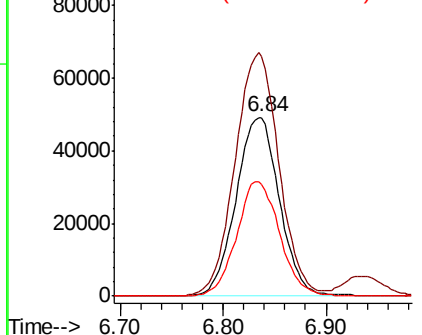


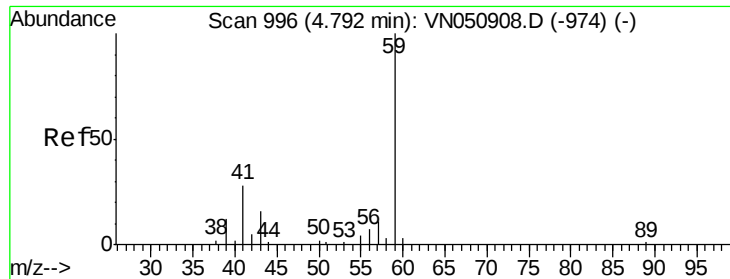
#22
 cis-1,2-Dichloroethene
 Concen: 19.30 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143759		
61	138.0	110.0	165.0	
98	63.7	51.7	77.5	



Abundance Ion 96.00 (95.70 to 96.70): VN050908.D (-1609) (-)
 Ion 61.00 (60.70 to 61.70): VN050908.D (-1609) (-)
 Ion 98.00 (97.70 to 98.70): VN050908.D (-1609) (-)





#23

tert-Butyl Alcohol

Concen: 76.91 ug/l m

RT: 4.79 min Scan# 994

Delta R.T. -0.01 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 59 Resp: 39569

Ion Ratio Lower Upper

59 100

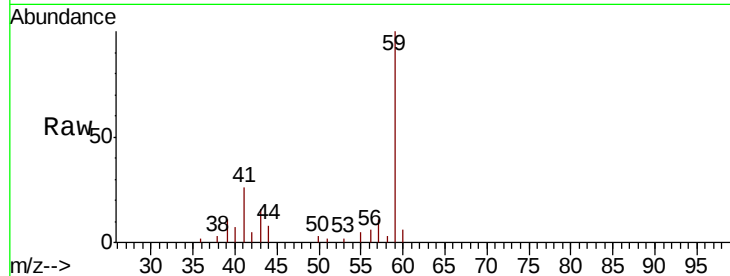
52 0.0 0.1 0.1#

Manual Integrations

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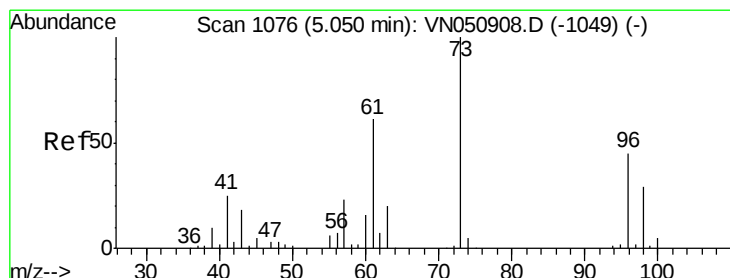
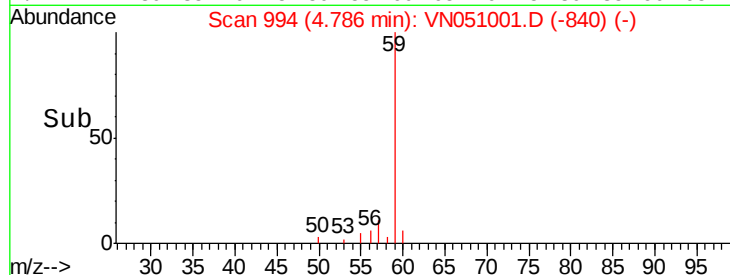
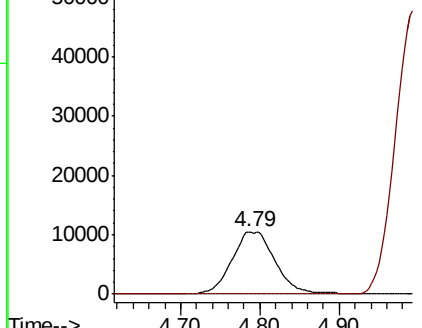
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VN051001.D (-840) (-)

Ion 52.00 (51.70 to 52.70): VN051001.D (-840) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.19 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN051001.D

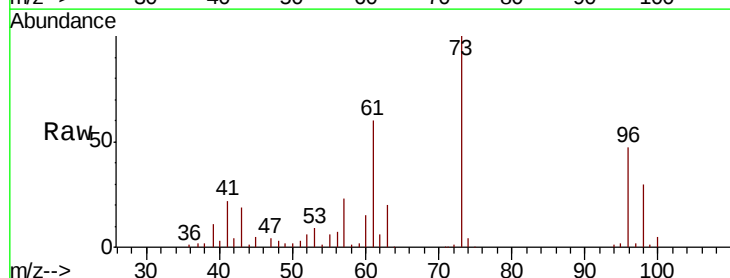
Acq: 31 Aug 2018 20:58

Tgt Ion: 73 Resp: 307765

Ion Ratio Lower Upper

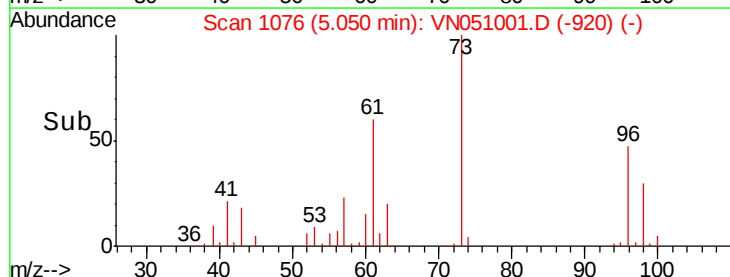
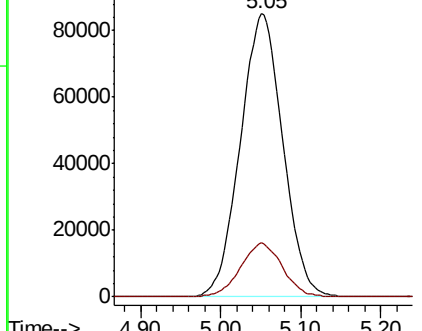
73 100

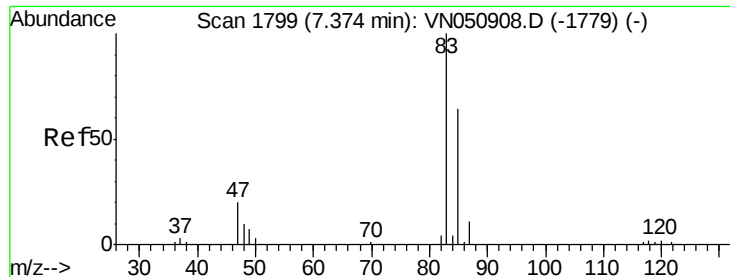
43 18.8 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN051001.D (-920) (-)

Ion 43.00 (42.70 to 43.70): VN051001.D (-920) (-)





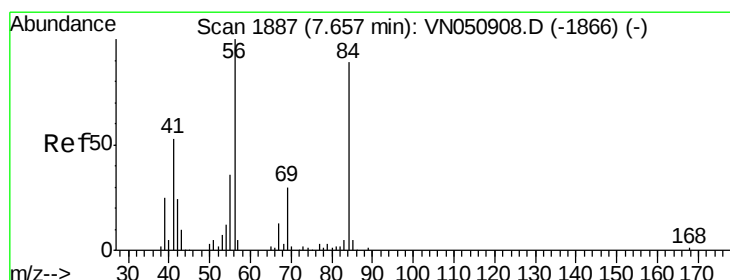
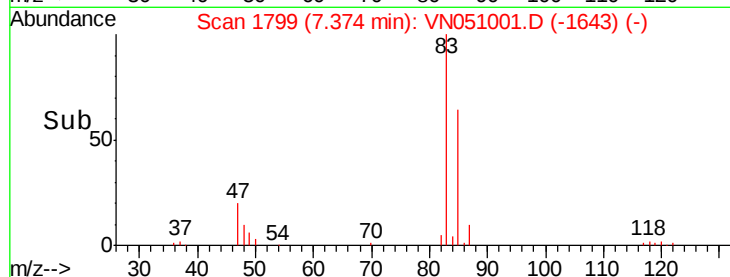
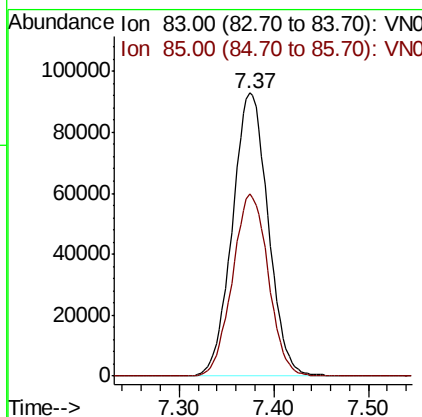
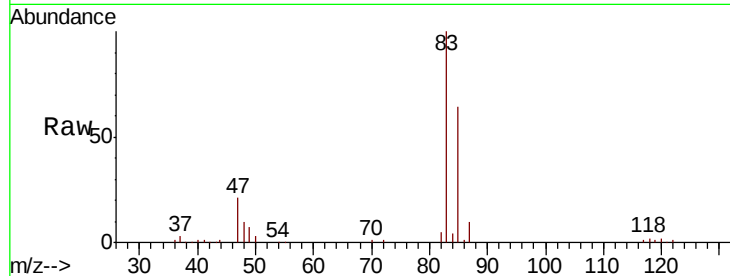
#25
Chloroform
Concen: 19.75 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD02

Tot Ion	83	Resp	244191
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.4	77.0

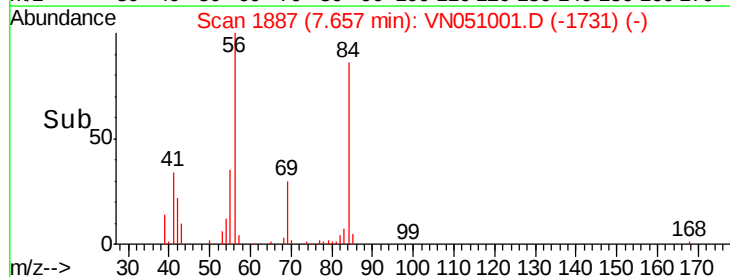
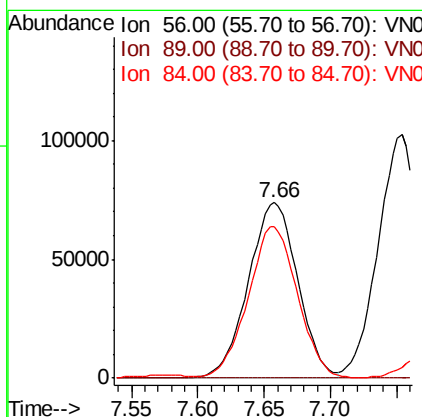
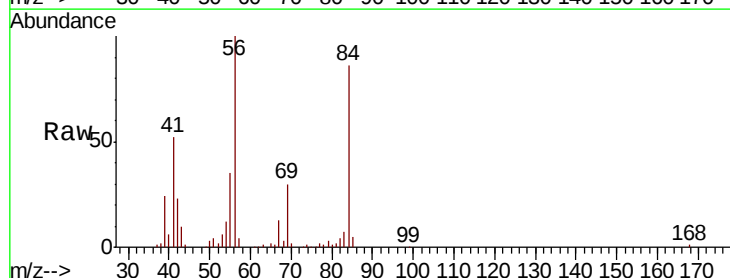
Manual Integrations
APPROVED

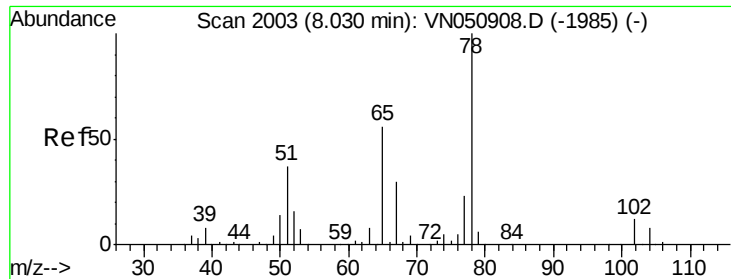
MMDadoda
9/4/2018 12:28:22 PM



#26
Cyclohexane
Concen: 18.69 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	56	Resp	191909
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.4	0.6#
84	85.5	70.4	105.6





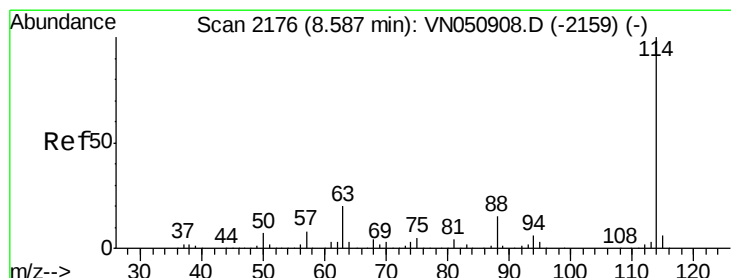
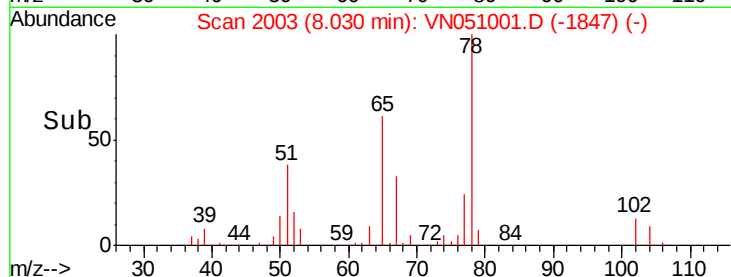
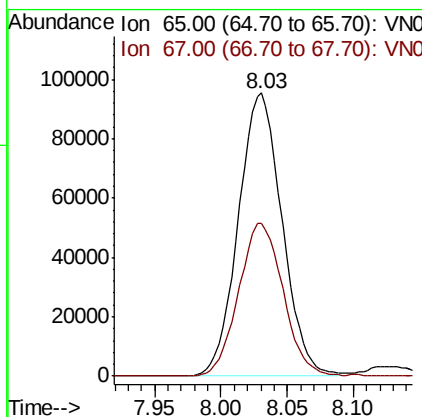
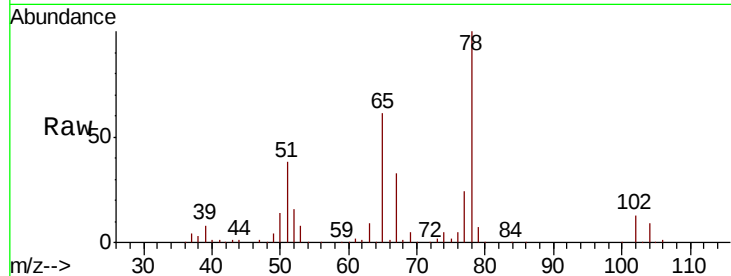
#27
 1,2-Dichloroethane-d4
 Concen: 29.97 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0831WBSD02

Tot Ion: 65 Resp: 219012
 Ion Ratio Lower Upper
 65 100
 67 55.0 43.7 65.5

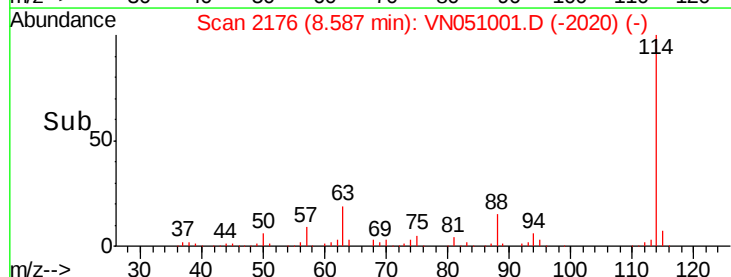
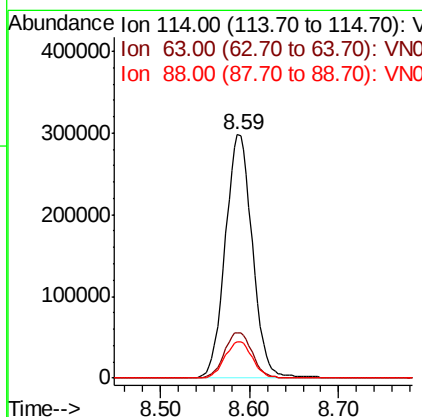
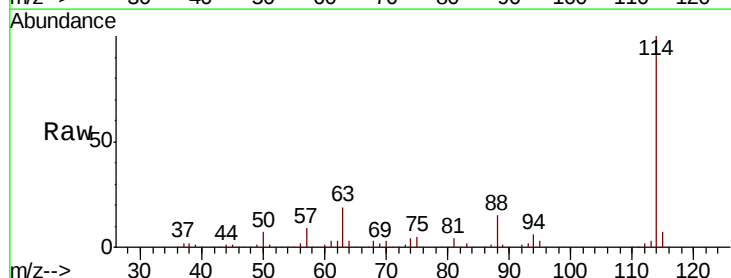
Manual Integrations
 APPROVED

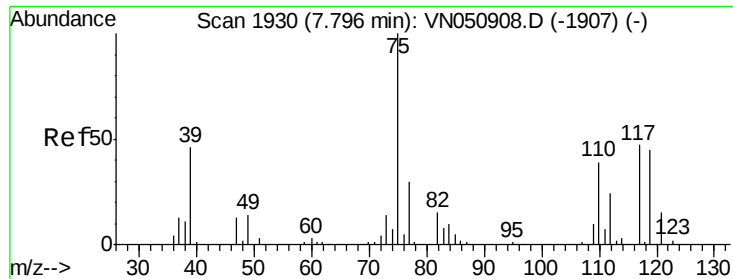
MMDadoda
 9/4/2018 12:28:22 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 114 Resp: 627353
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.3 12.2 18.4





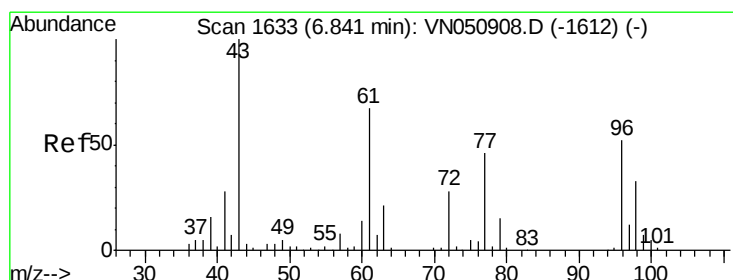
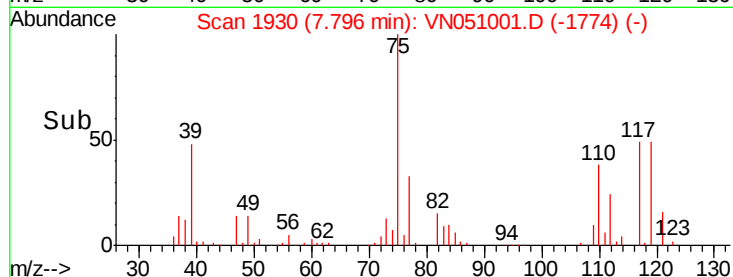
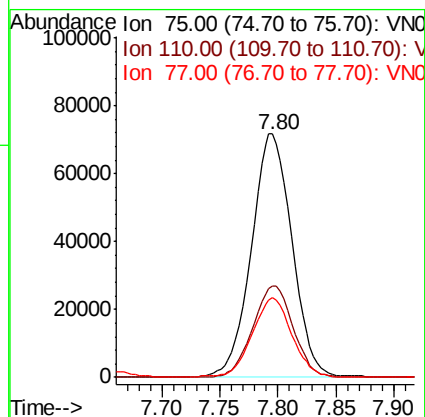
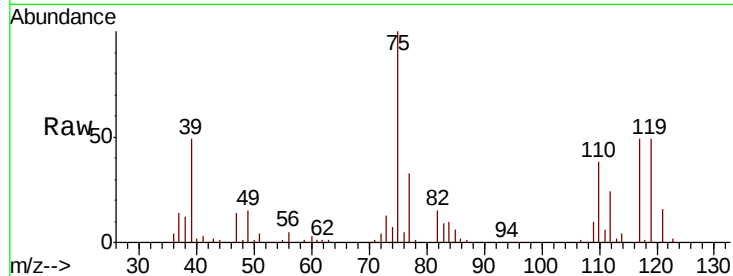
#29
 1,1-Dichloropropene
 Concen: 18.66 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.3	0.0	75.0
77	32.2	0.0	60.6

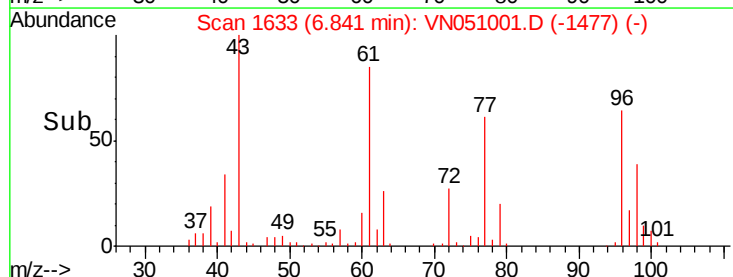
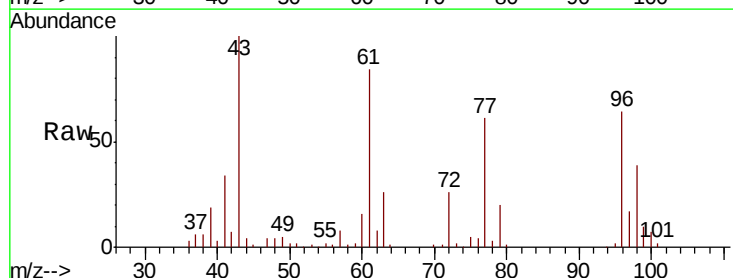
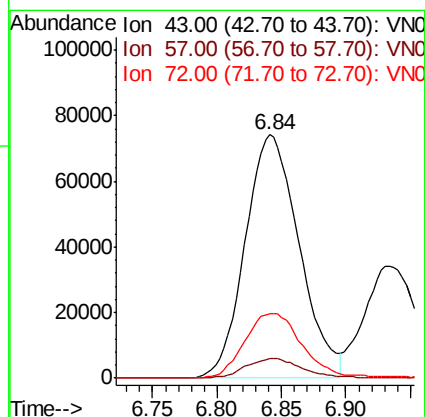
Manual Integrations
 APPROVED

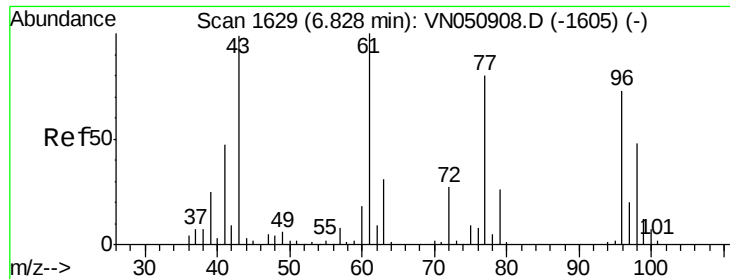
MMDadoda
 9/4/2018 12:28:22 PM



#30
 2-Butanone
 Concen: 74.50 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	28.4	22.8	34.2





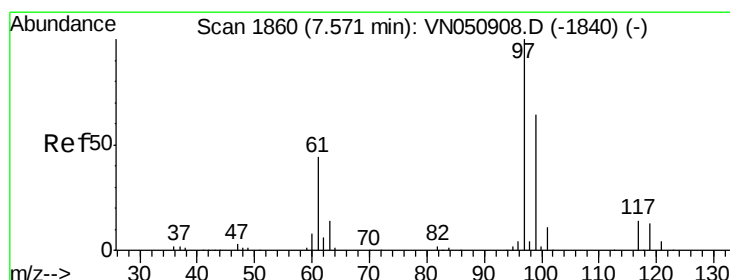
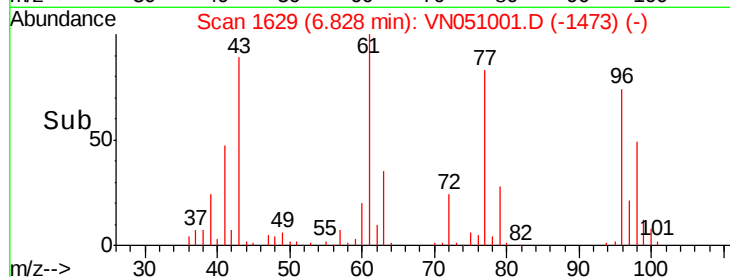
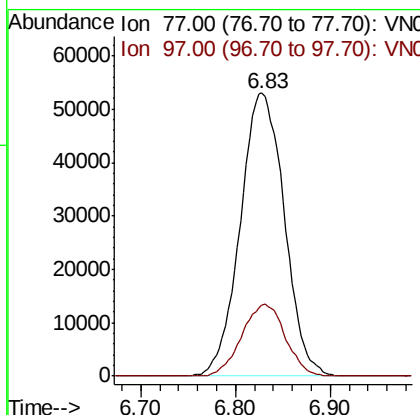
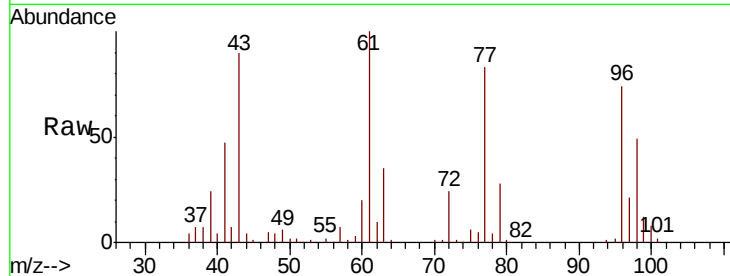
#31
 2,2-Dichloropropane
 Concen: 18.73 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
77	100		
97	25.1	20.2	30.2

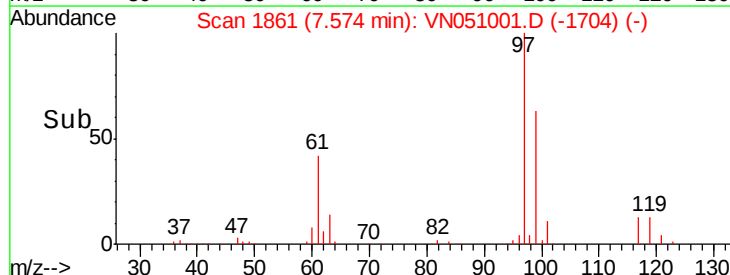
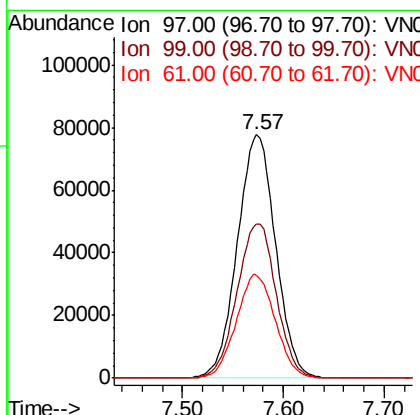
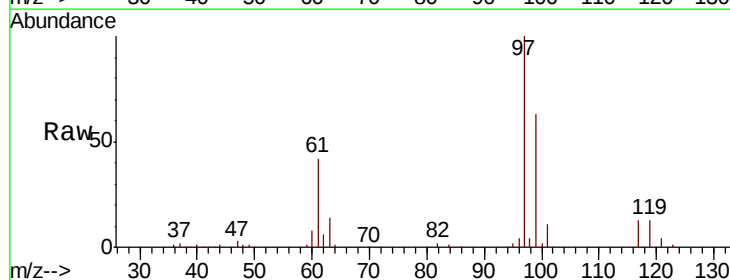
Manual Integrations
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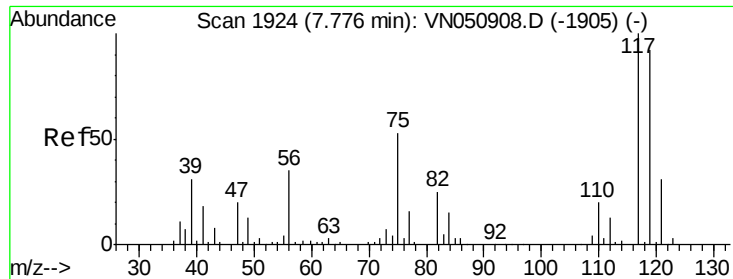
MMDadoda
 9/4/2018 12:28:22 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.17 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	43.3	35.0	52.6





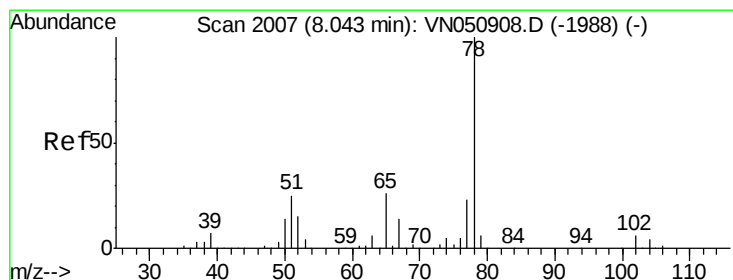
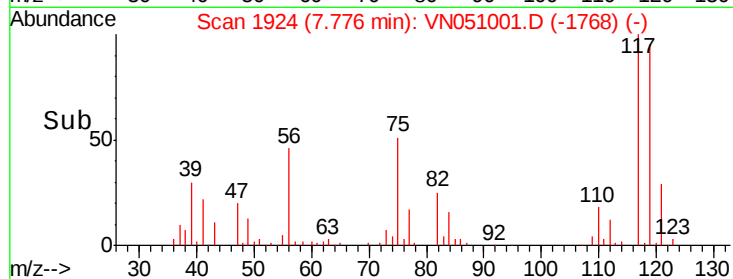
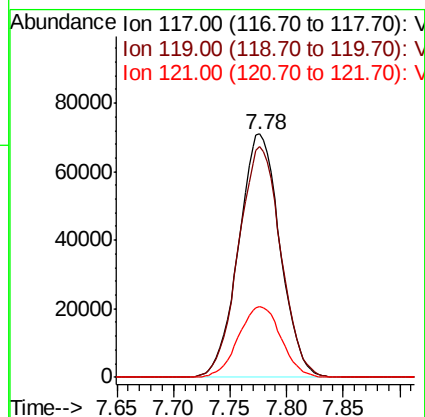
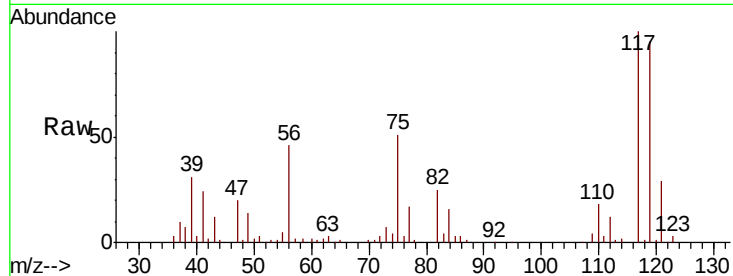
#33
Carbon Tetrachloride
Concen: 18.82 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	180461		
119	94.6	73.5	110.3	
121	28.8	24.6	37.0	

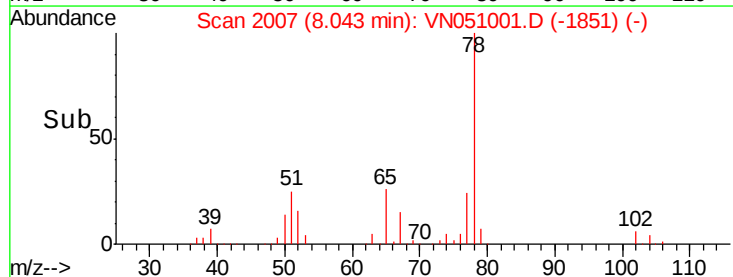
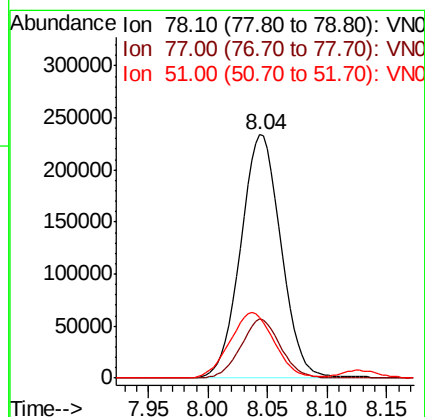
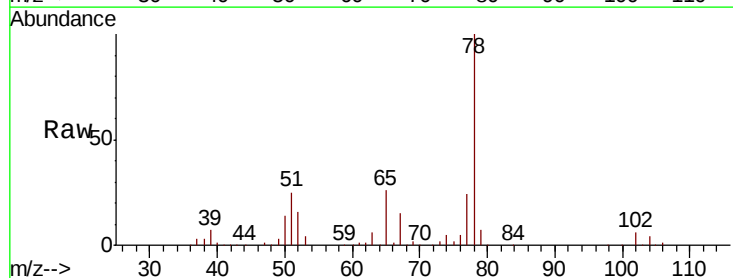
Manual Integrations
APPROVED

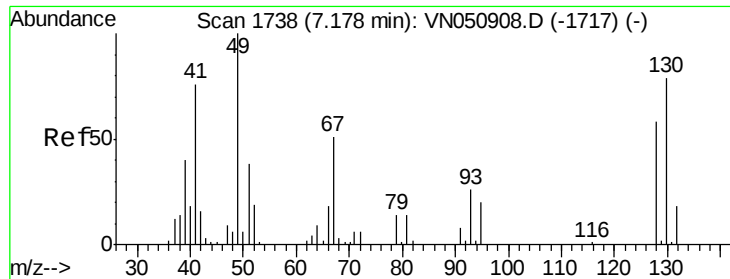
MMDadoda
9/4/2018 12:28:22 PM



#34
Benzene
Concen: 18.89 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	548731		
77	24.1	18.6	28.0	
51	24.7	20.0	30.0	





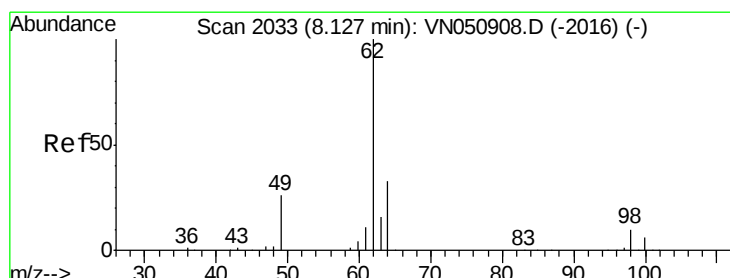
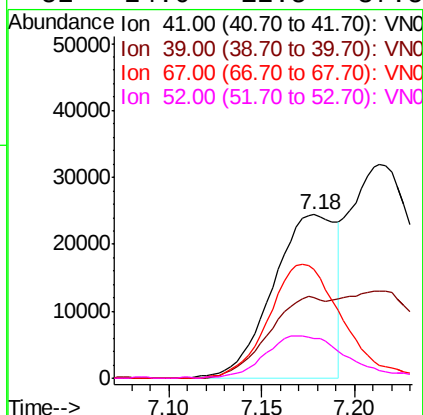
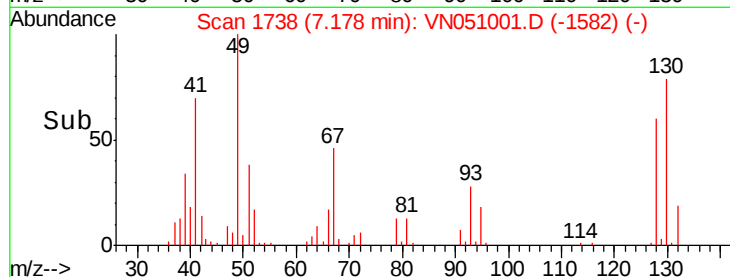
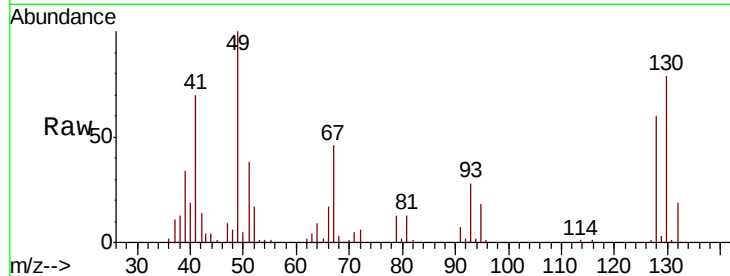
#35
Methacrylonitrile
Concen: 18.38 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.1	26.2	78.5	
67	66.4	33.9	101.6	
52	24.0	12.5	37.5	

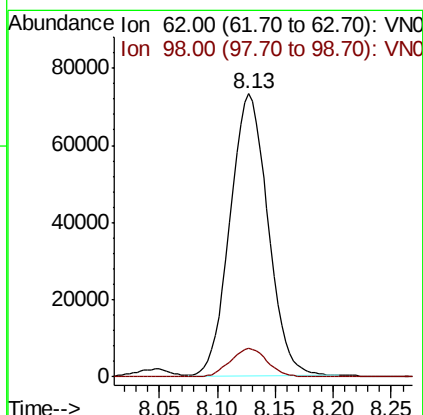
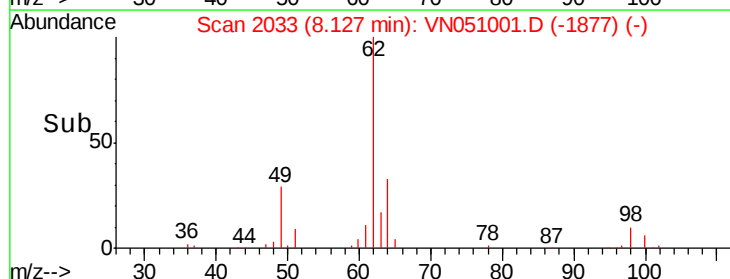
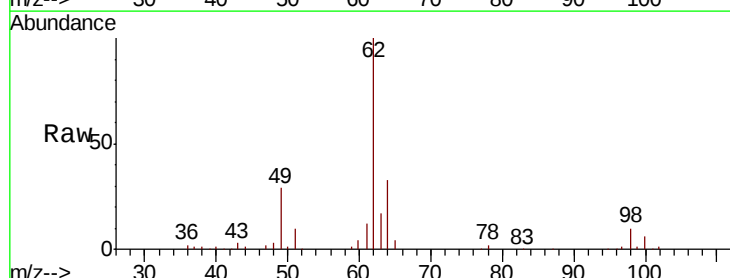
Manual Integrations
APPROVED

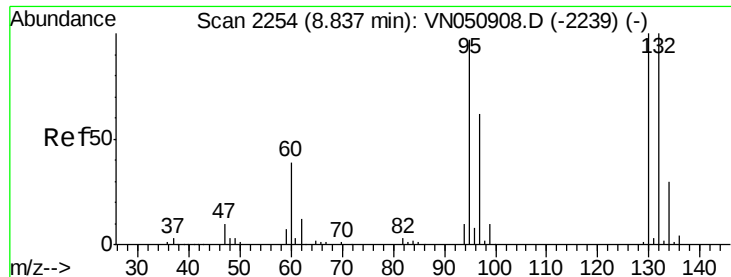
MMDadoda
9/4/2018 12:28:22 PM



#36
1,2-Dichloroethane
Concen: 18.87 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	8.0	12.0	





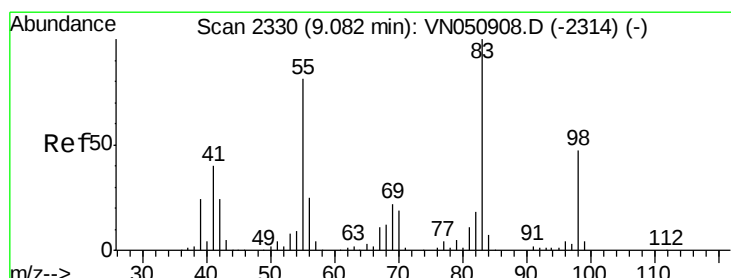
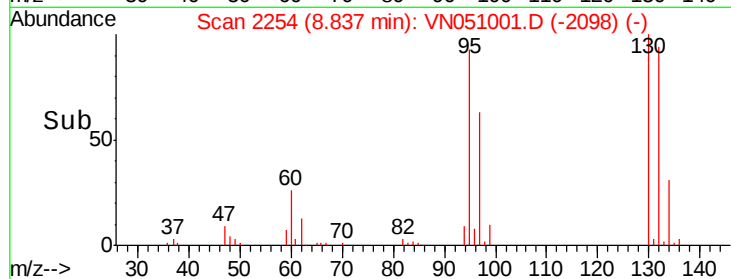
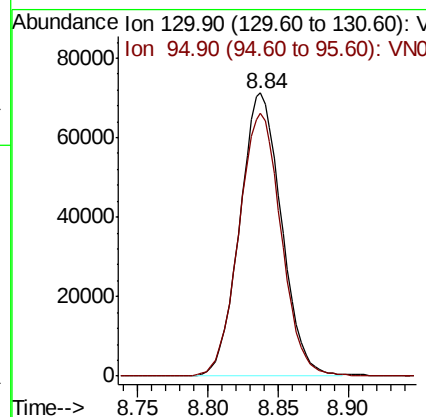
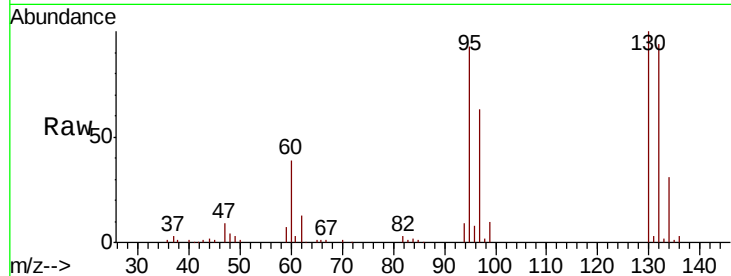
#37
 Trichloroethene
 Concen: 19.42 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion:130 Resp: 147475
 Ion Ratio Lower Upper
 130 100
 95 92.9 77.4 116.0

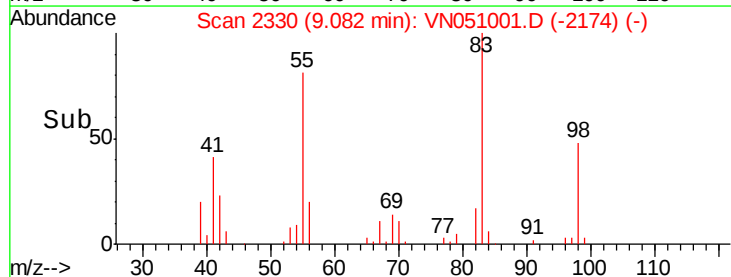
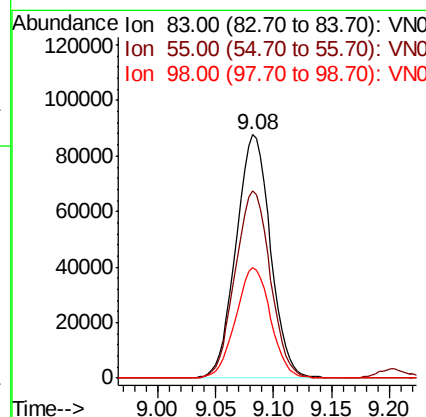
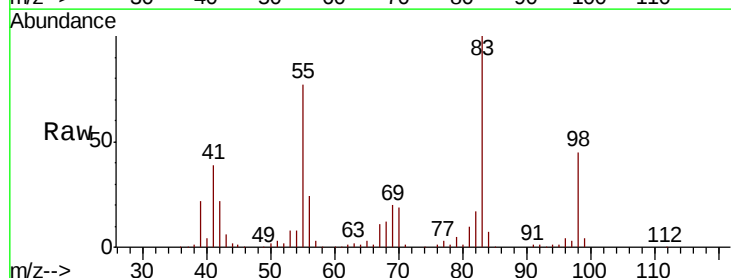
Manual Integrations
 APPROVED

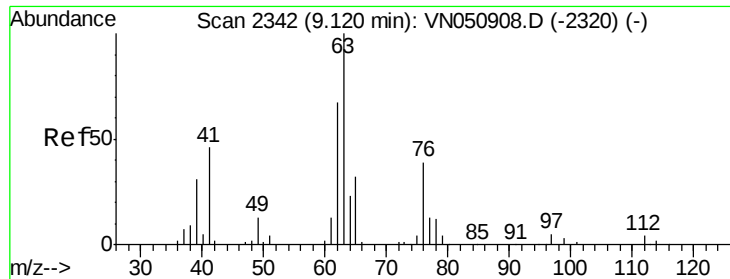
MMDadoda
 9/4/2018 12:28:22 PM



#38
 Methylcyclohexane
 Concen: 17.89 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 83 Resp: 180457
 Ion Ratio Lower Upper
 83 100
 55 78.5 38.9 116.7
 98 46.0 22.9 68.7





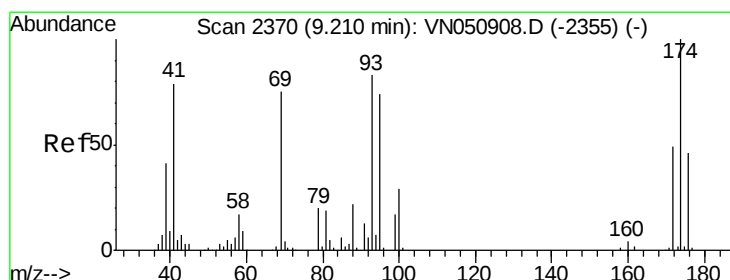
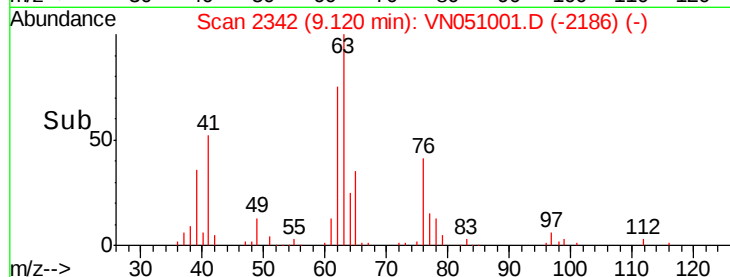
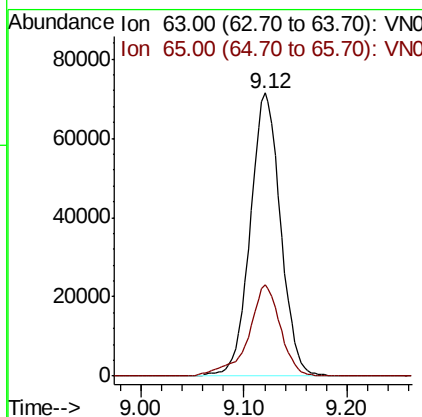
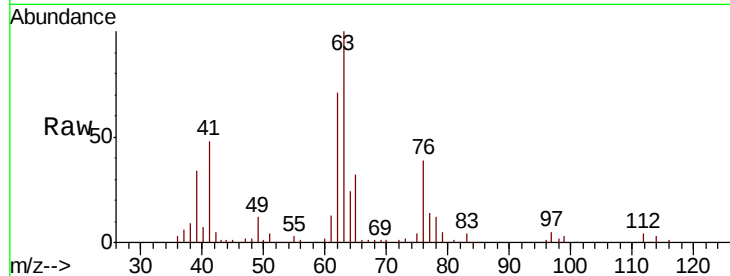
#39
 1,2-Dichloropropane
 Concen: 19.21 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4

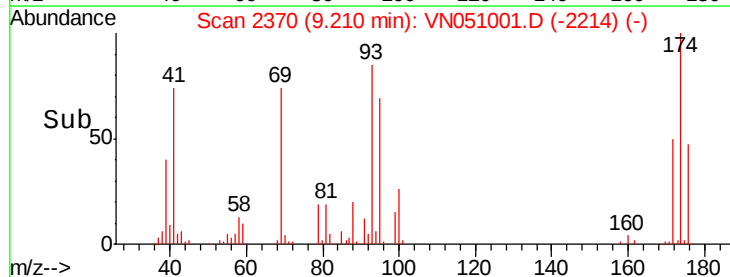
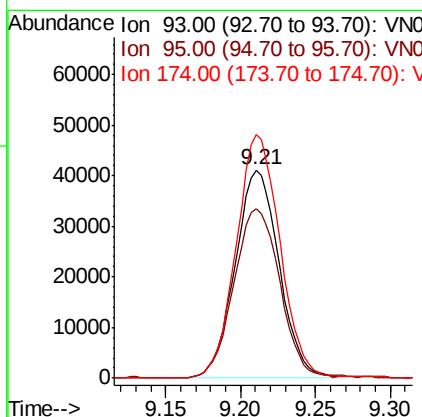
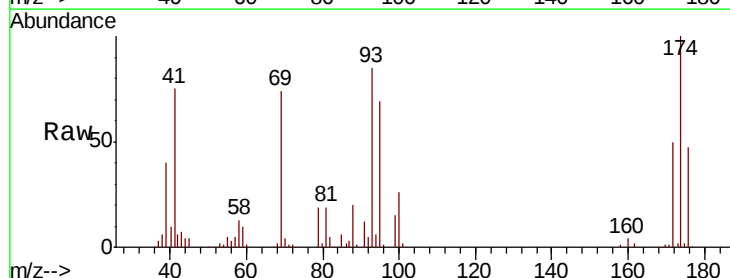
Manual Integrations
 APPROVED

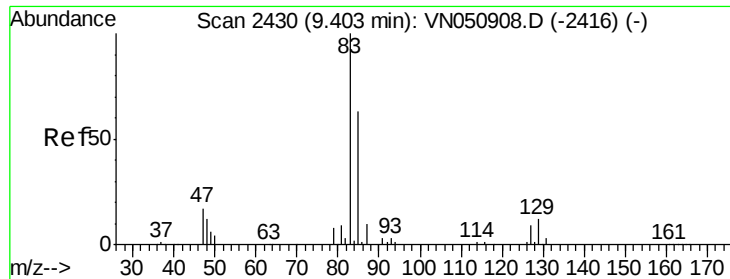
MMDadoda
 9/4/2018 12:28:22 PM



#40
 Dibromomethane
 Concen: 18.40 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	0.0	173.4
174	116.3	0.0	234.8





#41

Bromodichloromethane

Concen: 18.84 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

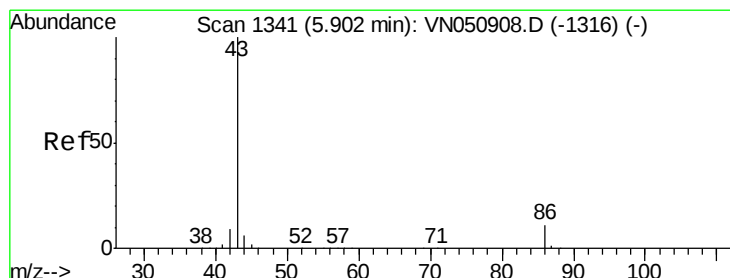
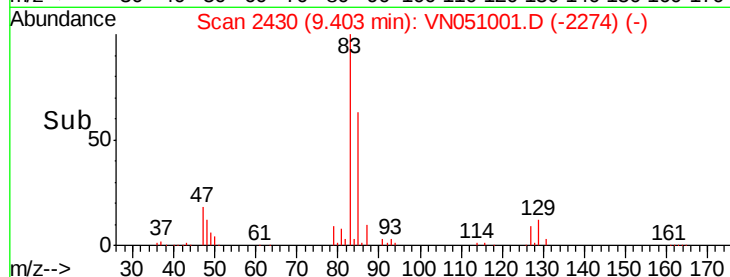
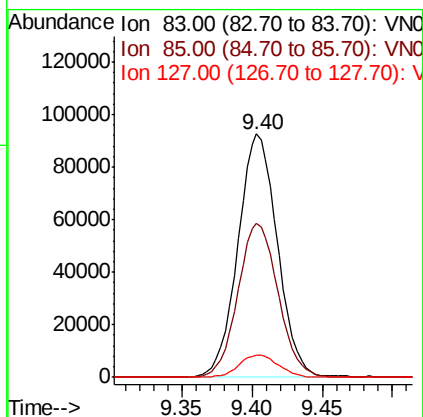
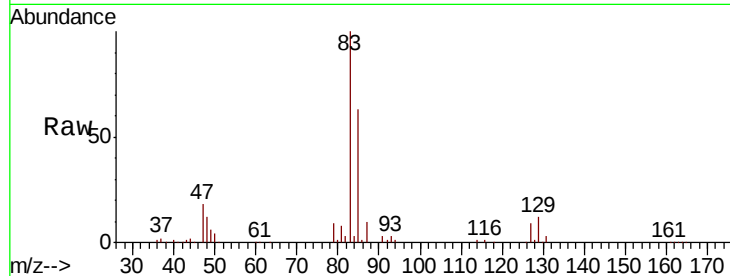
ClientSampleId :

VN0831WBSD02

Tot Ion:	83	Resp:	181588
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.6	76.0
127	9.0	7.1	10.7

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#42

Vinyl Acetate

Concen: 84.72 ug/l

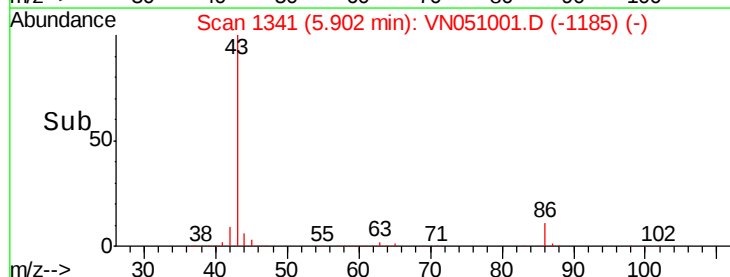
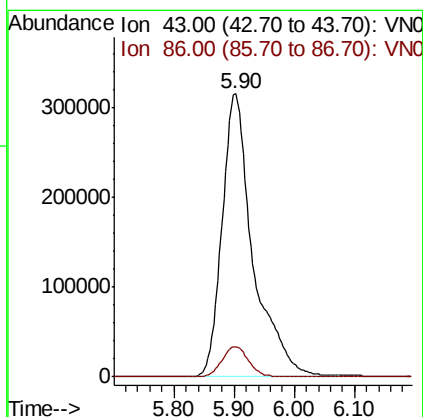
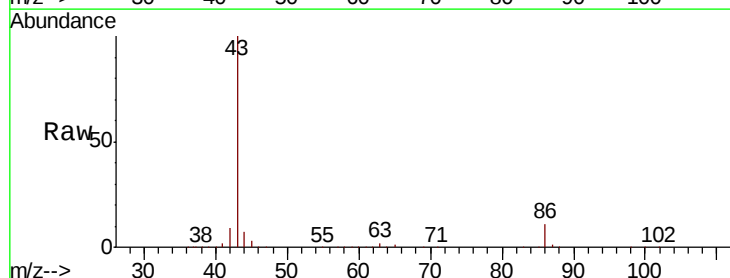
RT: 5.90 min Scan# 1341

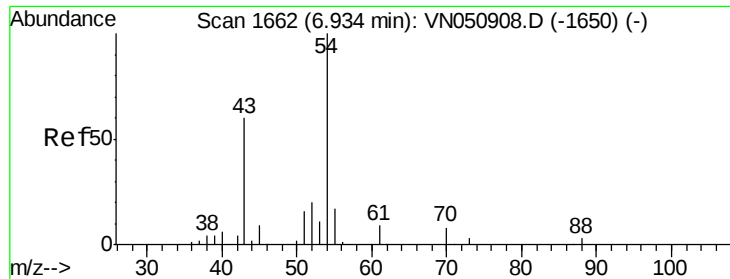
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	43	Resp:	1127536
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.2	10.8





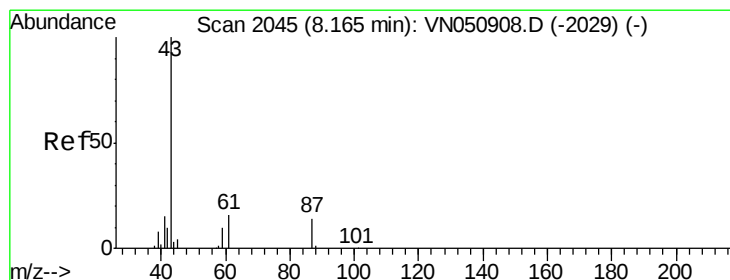
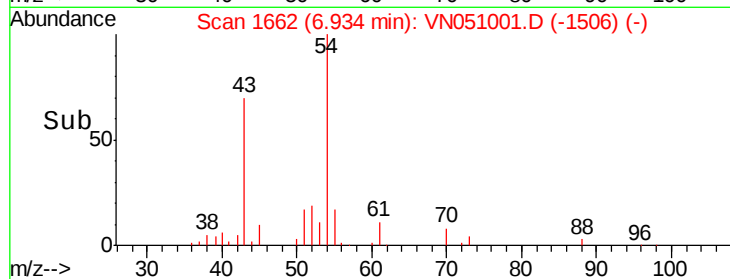
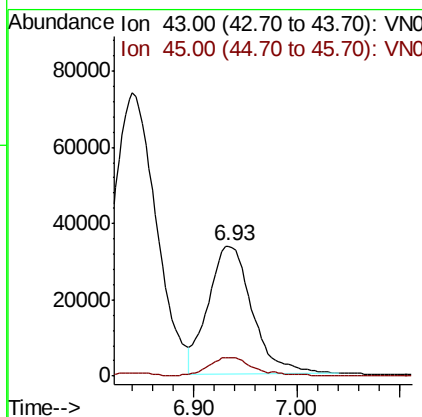
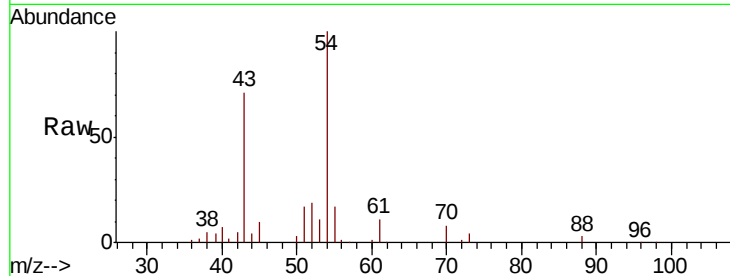
#43
Ethyl Acetate
Concen: 16.87 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD02

Tot Ion: 43 Resp: 99839
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.2

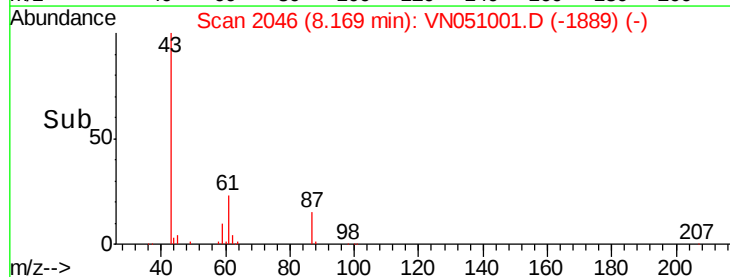
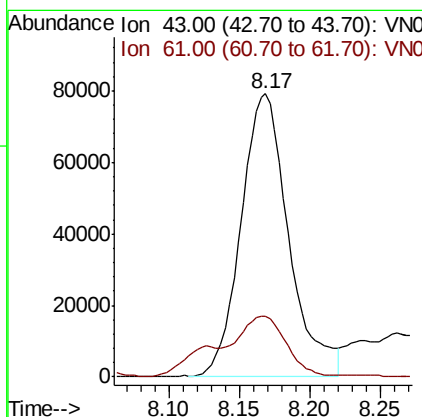
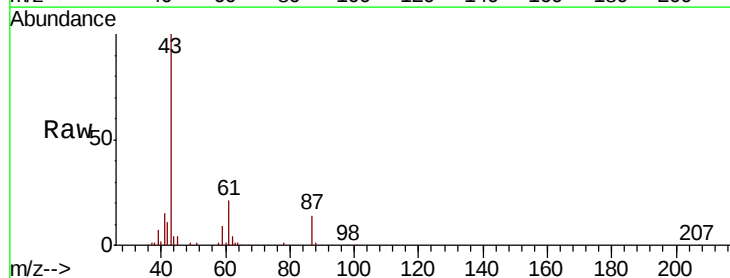
Manual Integrations
APPROVED

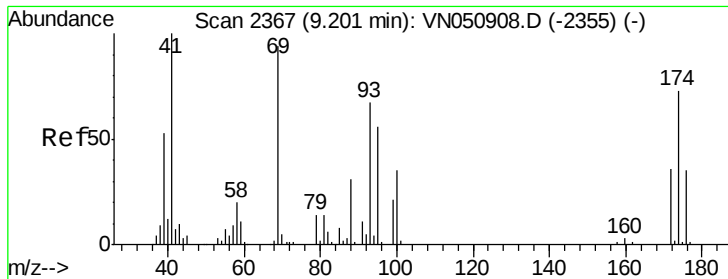
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#44
Isopropyl Acetate
Concen: 17.83 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 186265
Ion Ratio Lower Upper
43 100
61 20.0 16.3 24.5





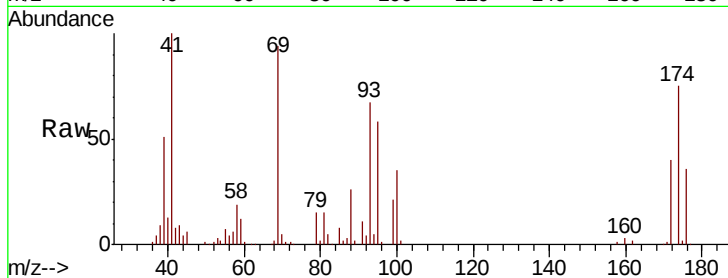
#45
 1,4-Dioxane
 Concen: 310.18 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

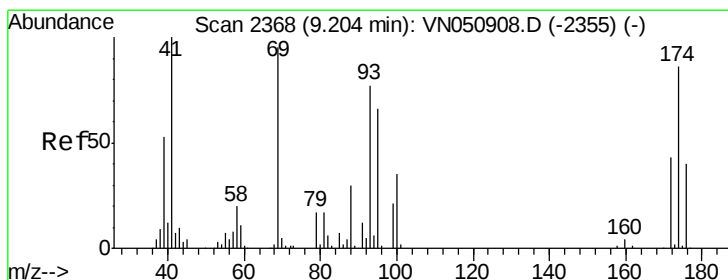
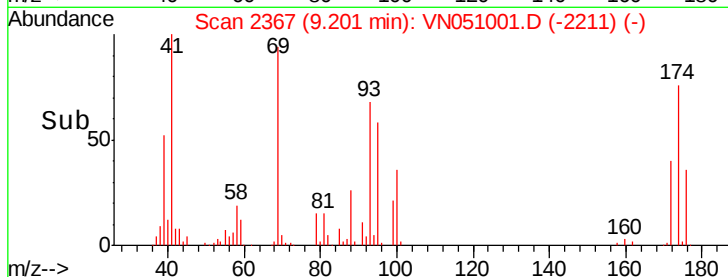
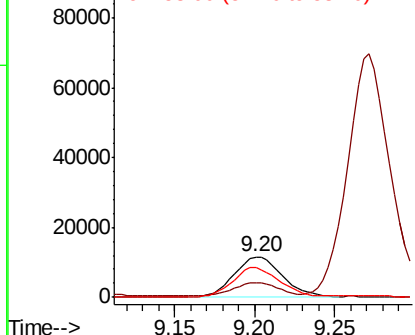
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.5	35.3
58	73.1	55.2	82.8

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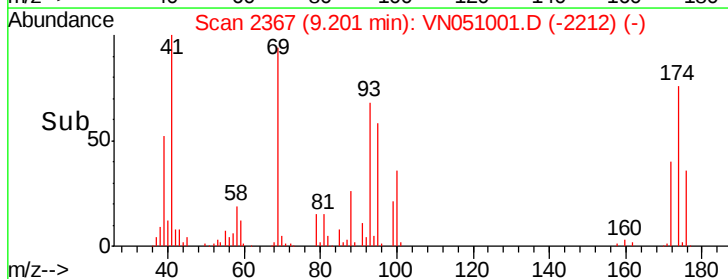
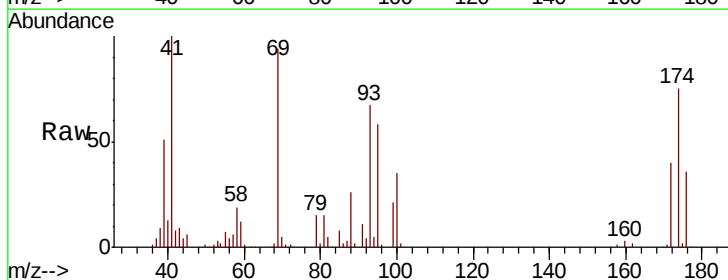
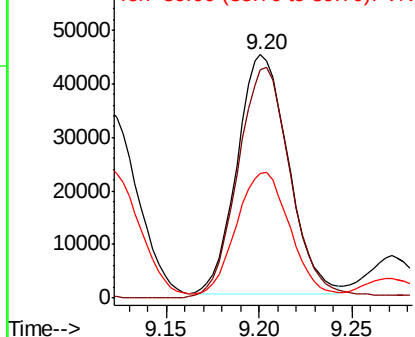
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

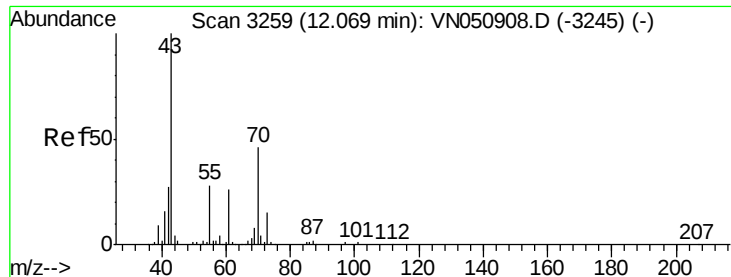


#46
 Methyl methacrylate
 Concen: 16.35 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.7	47.4	142.2
39	50.6	26.6	79.7

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





#47

n-amyl Acetate

Concen: 15.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion: 43 Resp: 130878

Ion Ratio Lower Upper

43 100

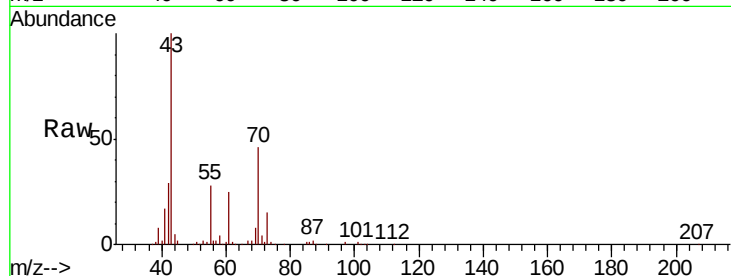
55 28.4 23.0 34.4

Manual Integrations

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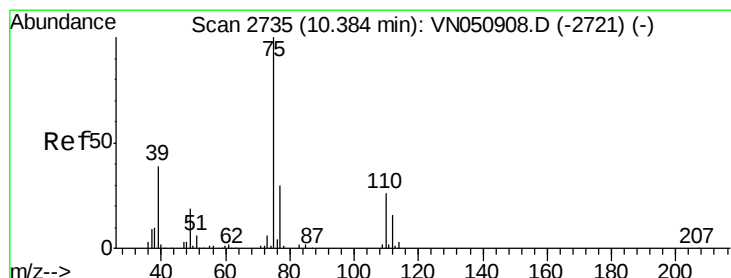
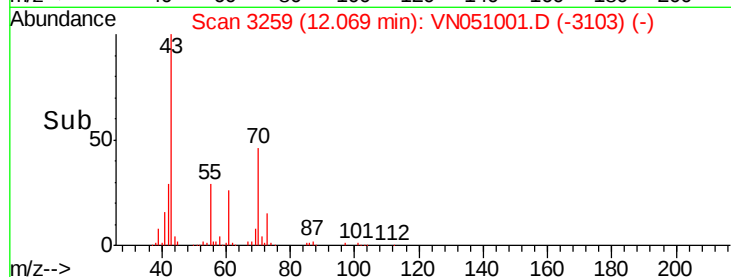
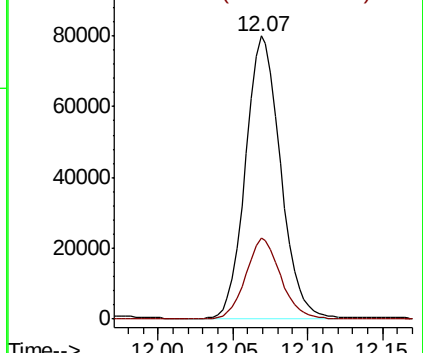
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN051001.D

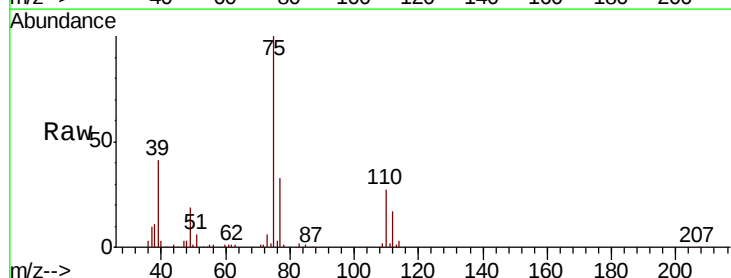
Acq: 31 Aug 2018 20:58

Tgt Ion: 75 Resp: 165642

Ion Ratio Lower Upper

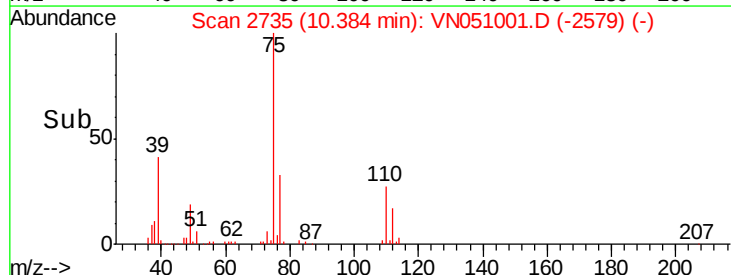
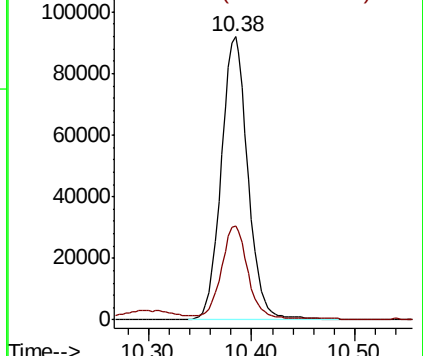
75 100

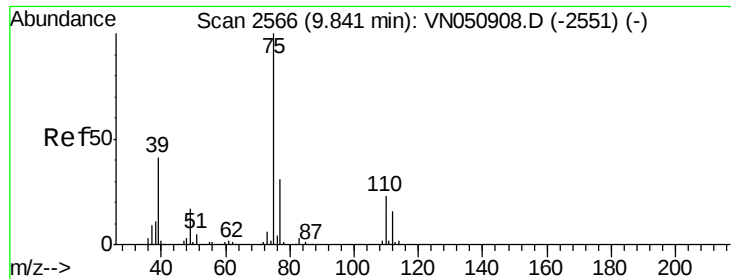
77 32.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





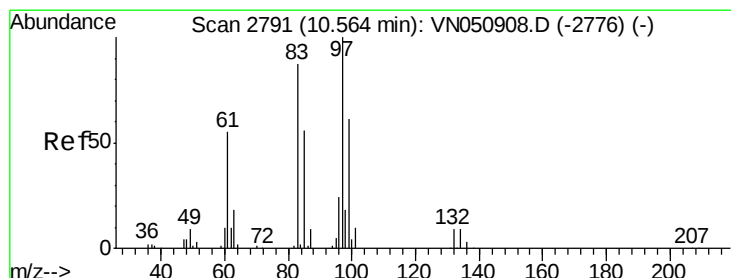
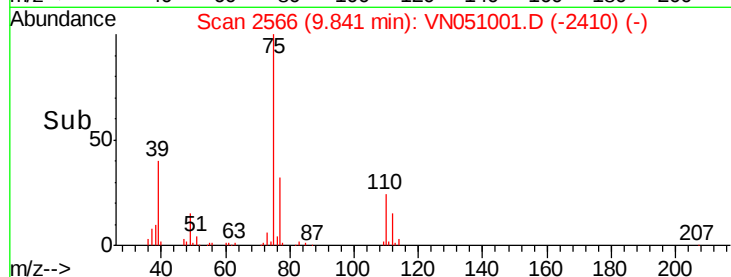
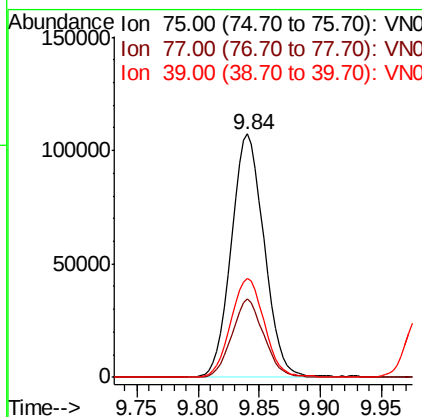
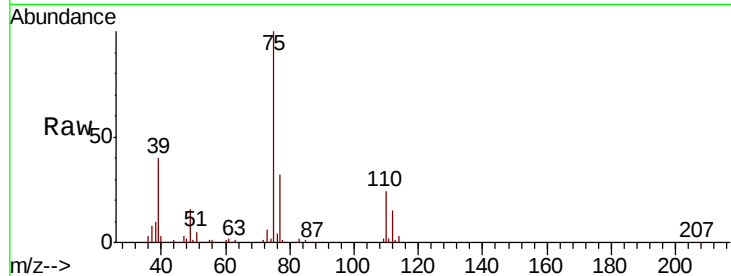
#49
 cis-1,3-Dichloropropene
 Concen: 18.57 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion:	75	Resp:	201441
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.0	37.4
39	40.5	32.9	49.3

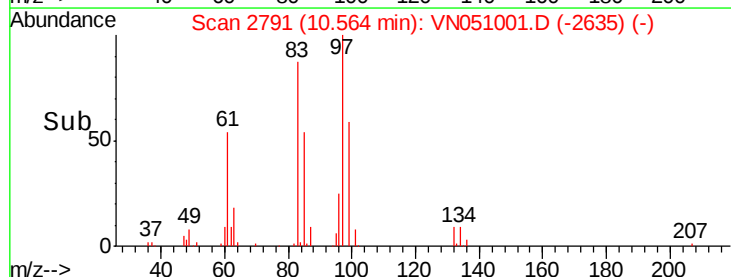
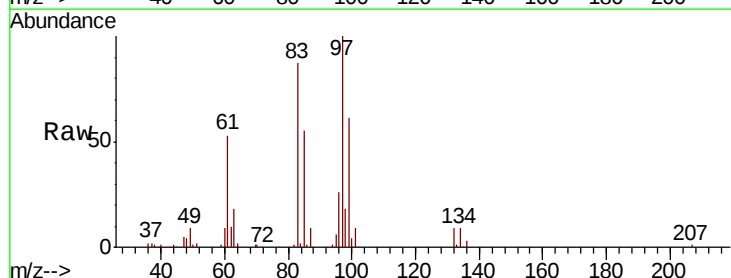
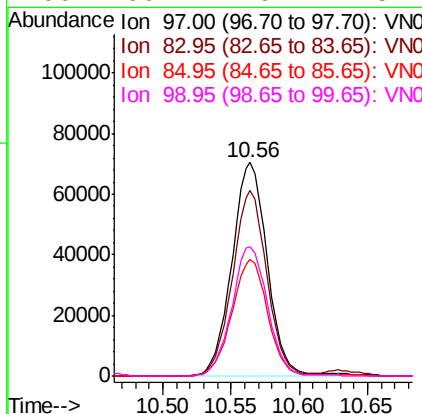
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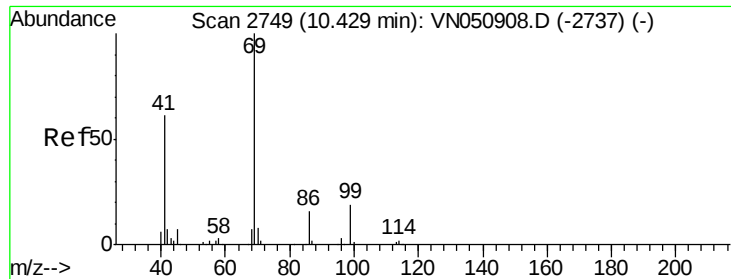
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#50
 1,1,2-Trichloroethane
 Concen: 19.05 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion:	97	Resp:	126558
Ion Ratio	Lower	Upper	
97	100		
83	87.0	69.8	104.6
85	54.5	45.0	67.6
99	60.7	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.50 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

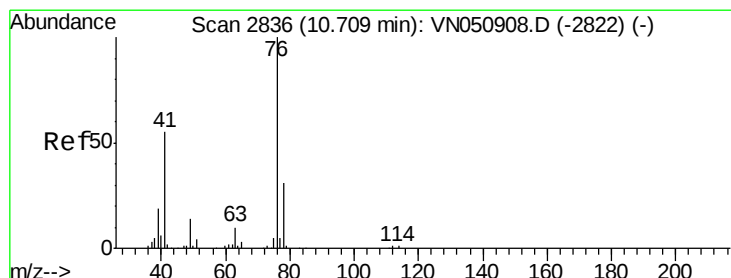
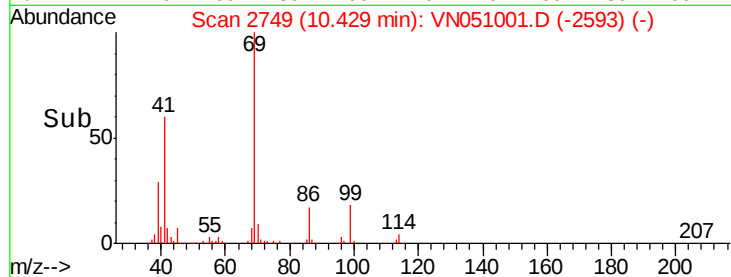
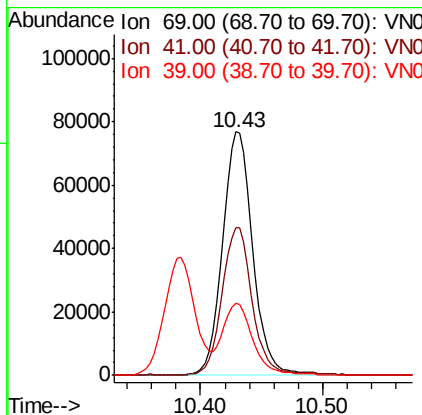
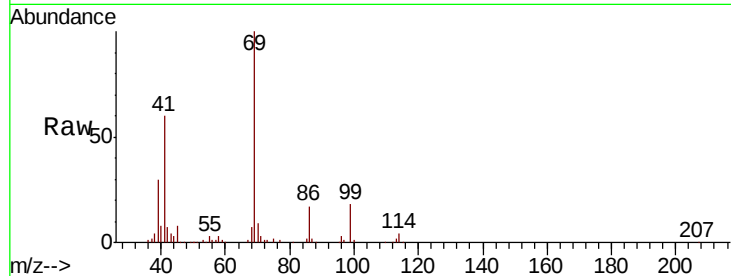
ClientSampled :

VN0831WBSD02

Tot Ion:	69	Resp:	134090
Ion	Ratio	Lower	Upper
69	100		
41	60.0	30.5	91.5
39	29.2	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.33 ug/l

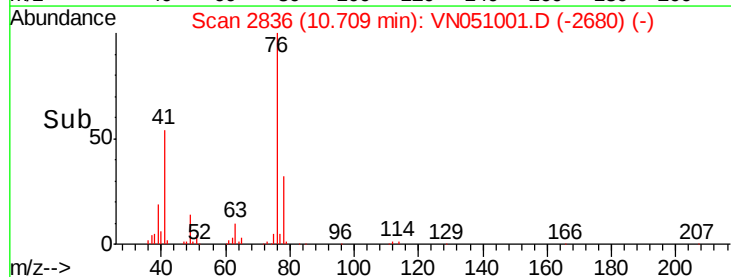
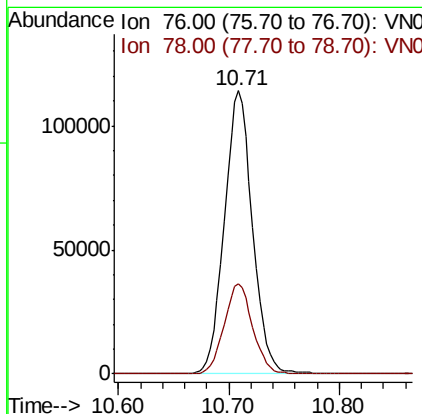
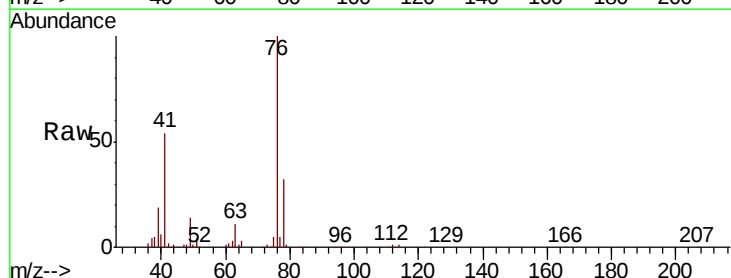
RT: 10.71 min Scan# 2836

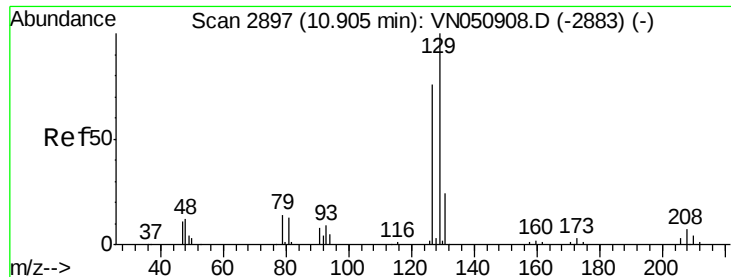
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	76	Resp:	201679
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4





#53

Dibromochloromethane

Concen: 18.28 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion:129 Resp: 138066

Ion Ratio Lower Upper

129 100

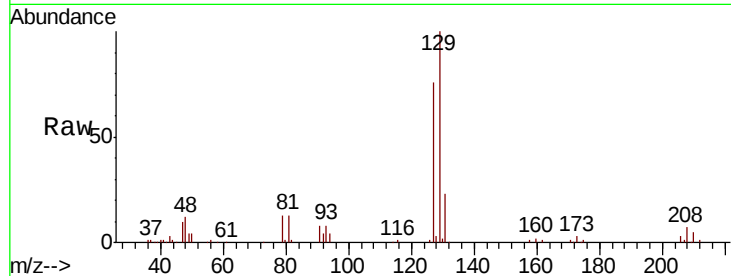
127 76.8 39.0 116.9

Manual Integrations

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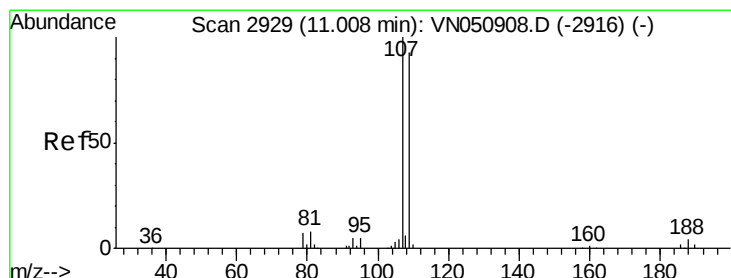
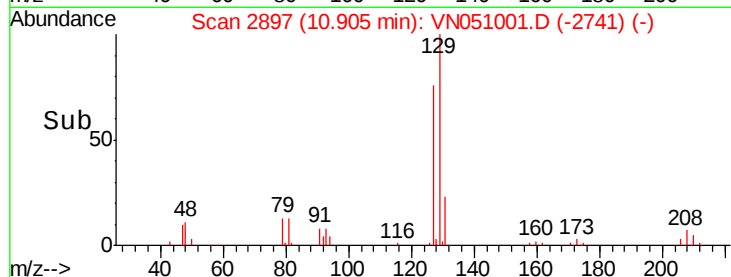
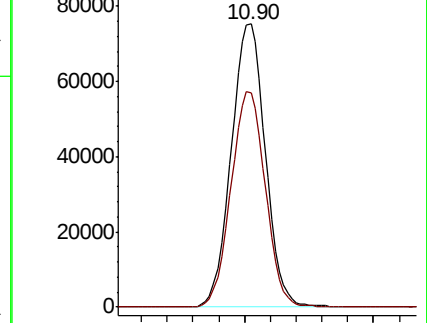
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.65 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN051001.D

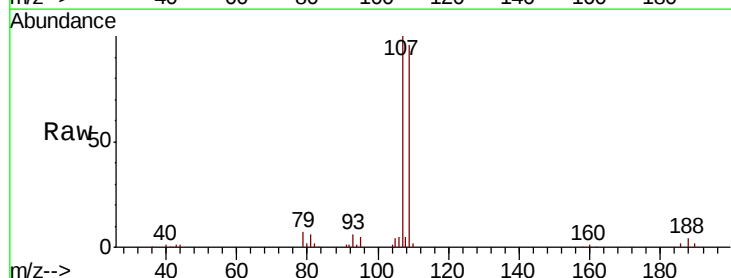
Acq: 31 Aug 2018 20:58

Tgt Ion:107 Resp: 115897

Ion Ratio Lower Upper

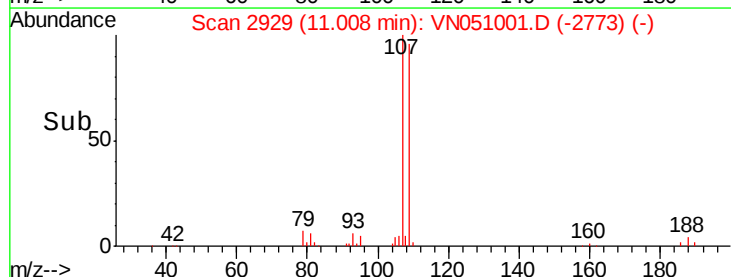
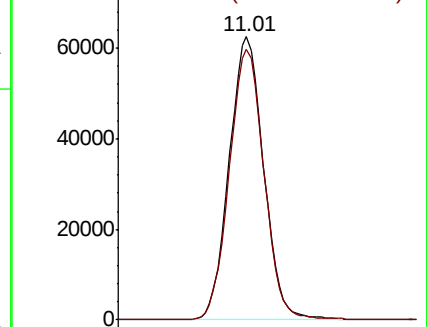
107 100

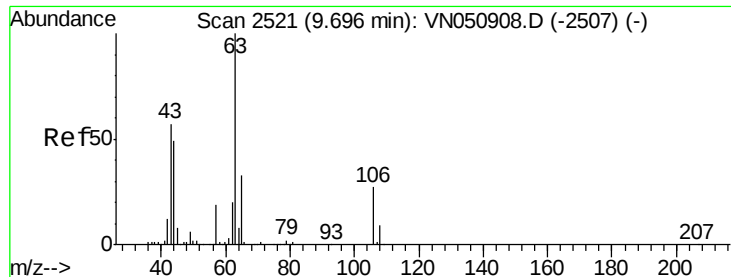
109 96.2 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 83.32 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

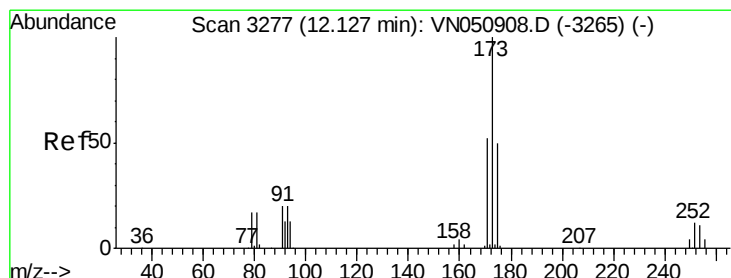
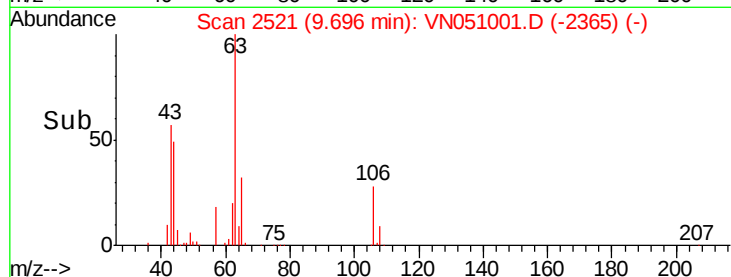
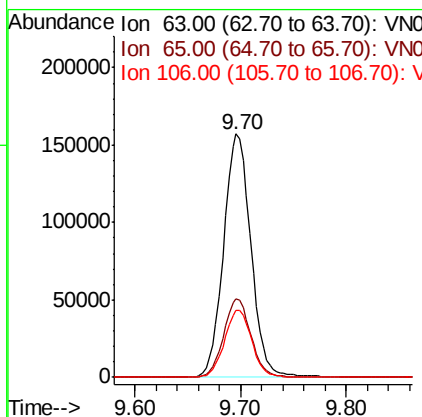
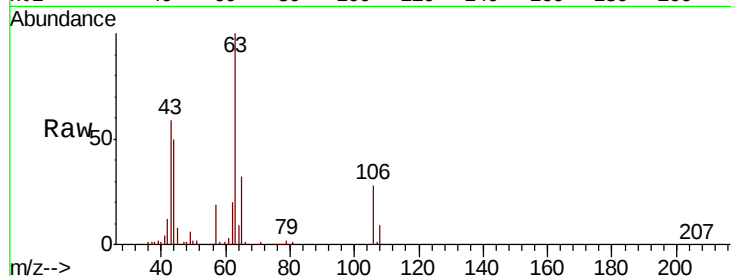
ClientSampleId :

VN0831WBSD02

Tot Ion:	63	Resp:	281734
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	27.5	22.0	33.0

Manual Integrations
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#56

Bromoform

Concen: 17.00 ug/l

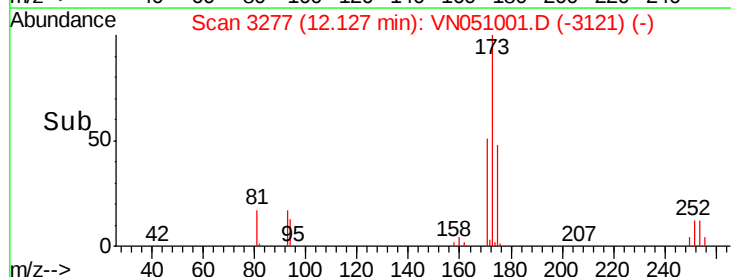
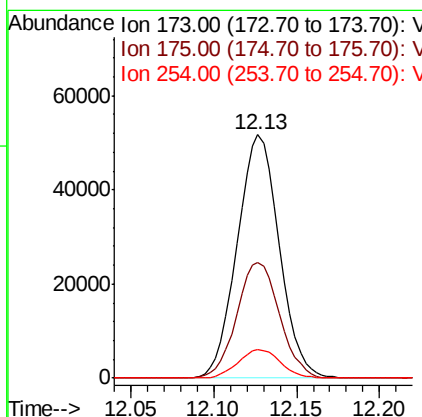
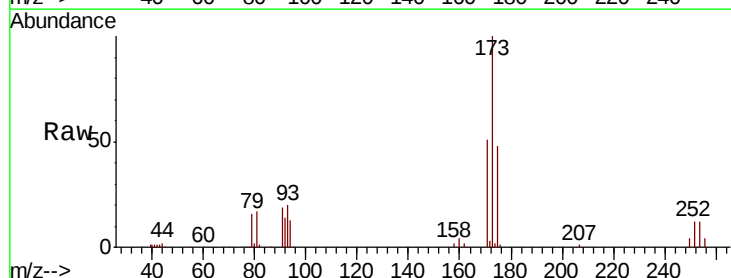
RT: 12.13 min Scan# 3277

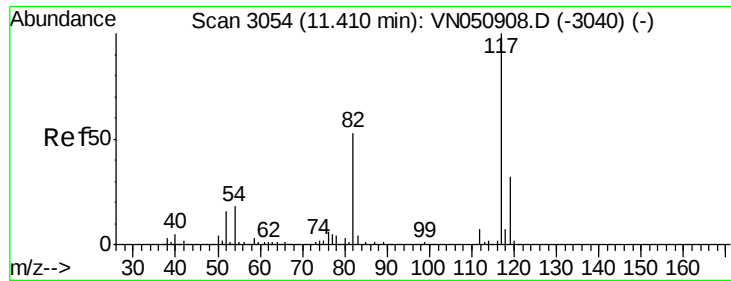
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	173	Resp:	91306
Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.2	58.8
254	11.7	9.0	13.6





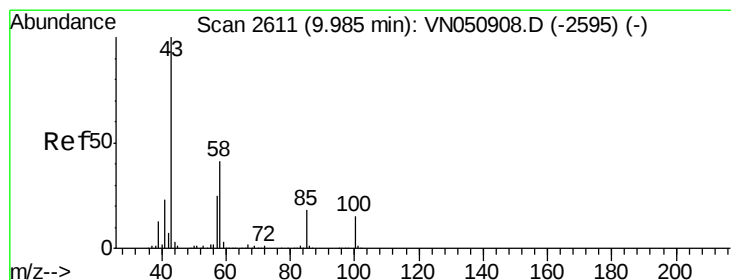
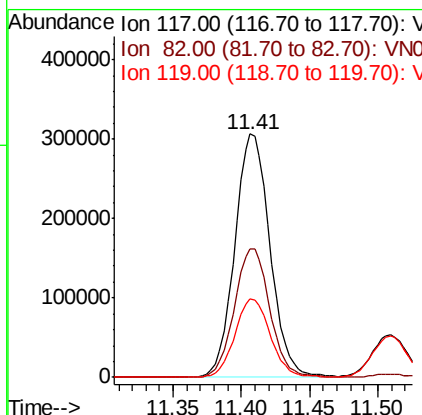
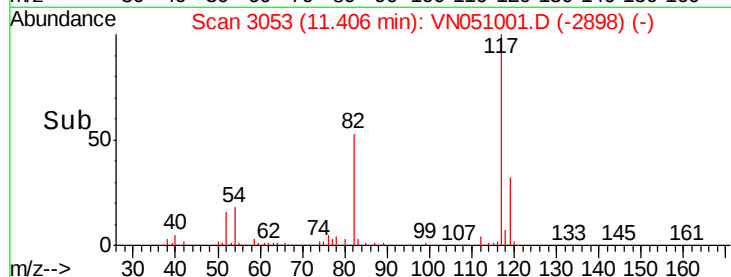
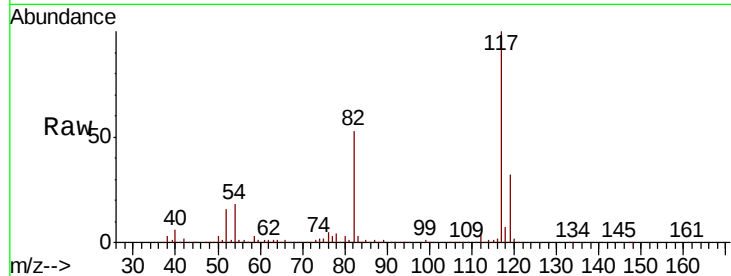
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	64.0
119	32.4	25.7	38.5

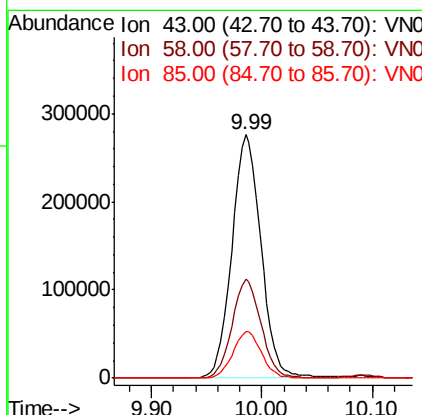
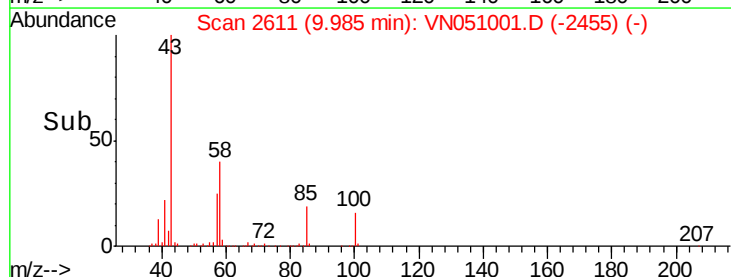
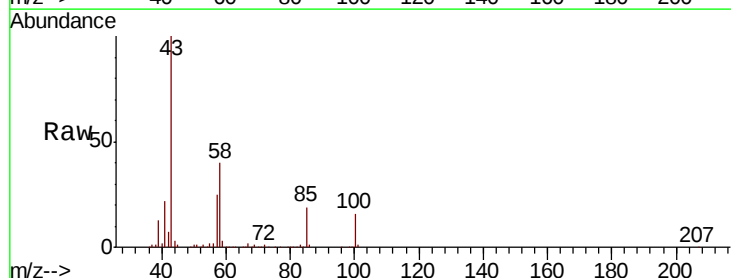
Manual Integrations
APPROVED

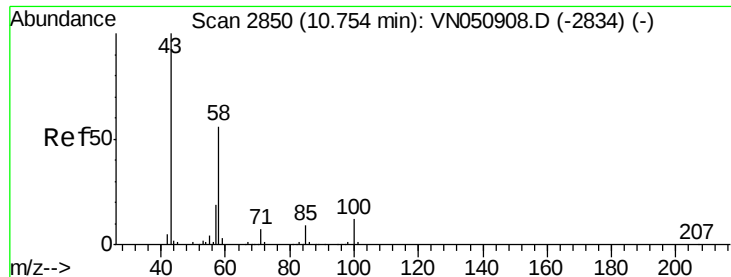
MMDadoda
9/4/2018 12:28:22 PM



#58
4-Methyl-2-Pentanone
Concen: 80.38 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.3	48.5
85	18.8	14.9	22.3





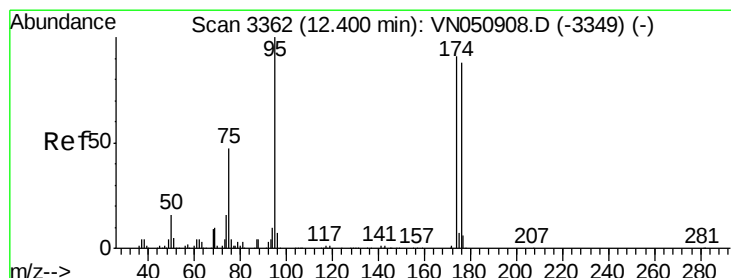
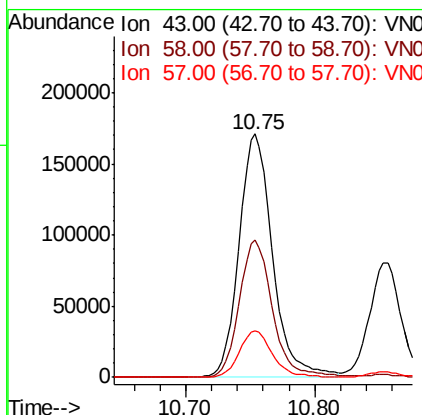
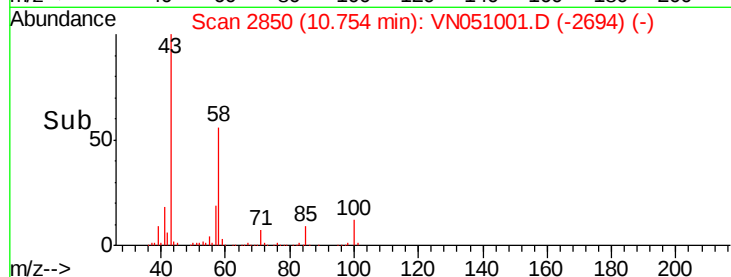
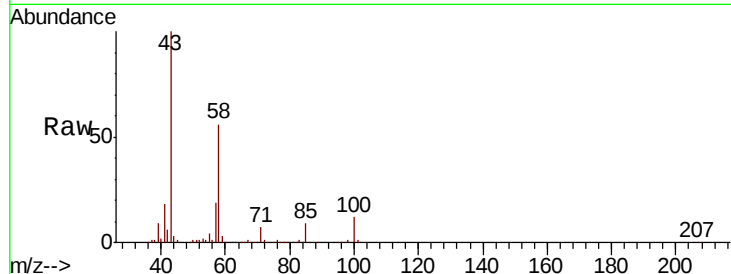
#59
2-Hexanone
Concen: 74.96 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.5	68.3
57	19.1	15.2	22.8

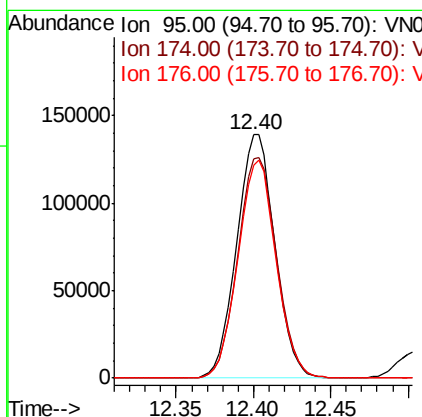
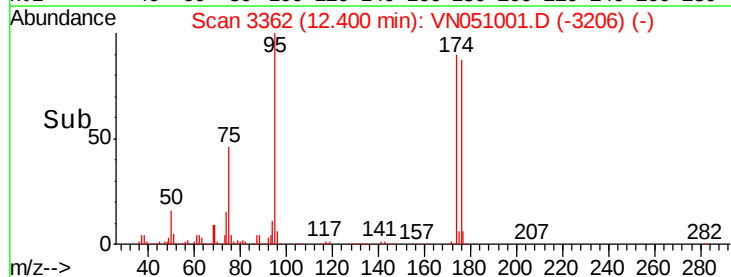
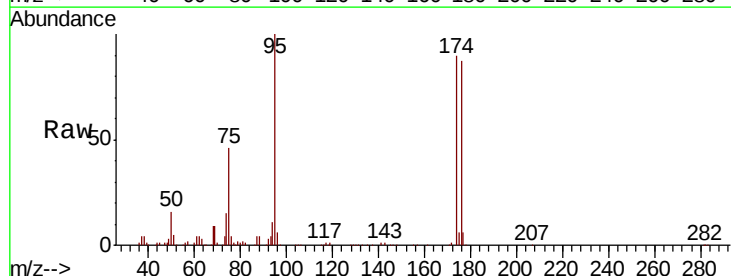
Manual Integrations
APPROVED

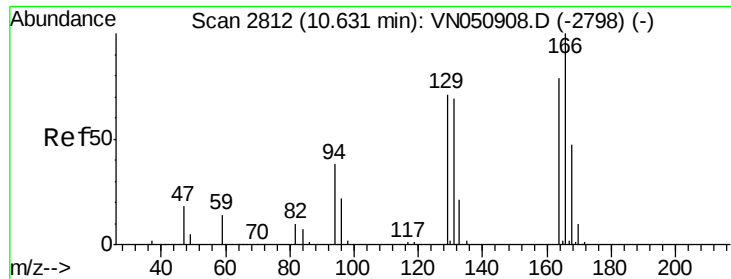
MMDadoda
9/4/2018 12:28:22 PM



#60
4-Bromofluorobenzene
Concen: 29.24 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	74.6	112.0
176	89.3	71.5	107.3





#61

Tetrachloroethene

Concen: 19.99 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion:164 Resp: 136809

Ion Ratio Lower Upper

164 100

166 126.3 100.6 151.0

129 89.5 71.0 106.6

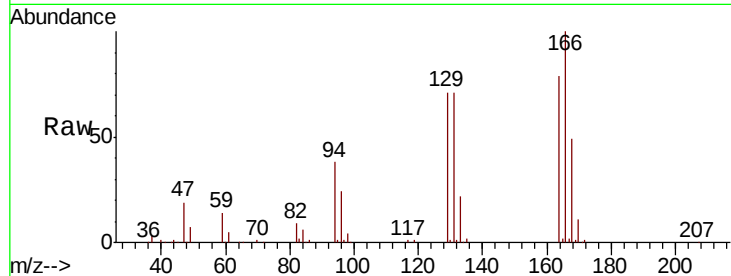
131 89.5 69.3 103.9

Manual Integrations

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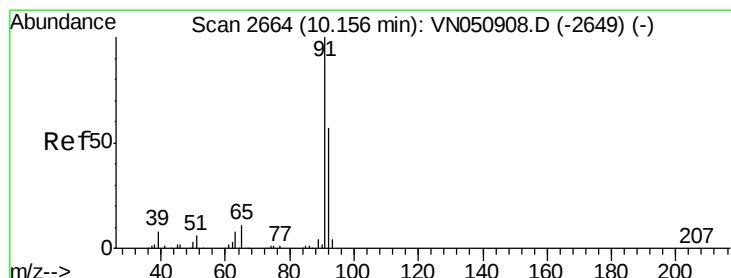
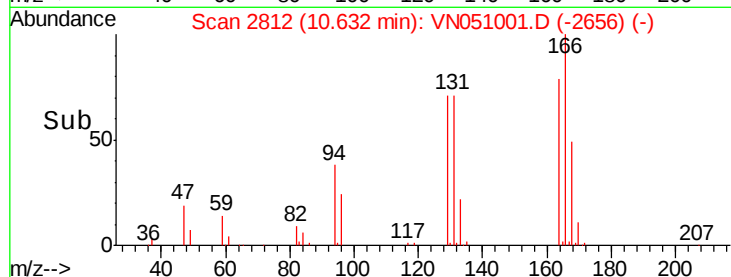
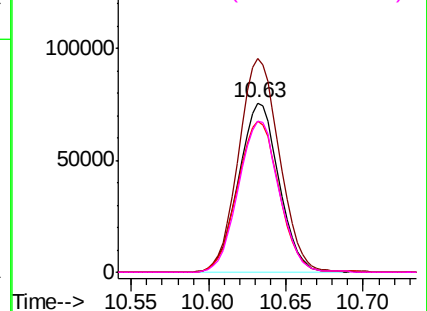
Abundance

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: 20.09 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN051001.D

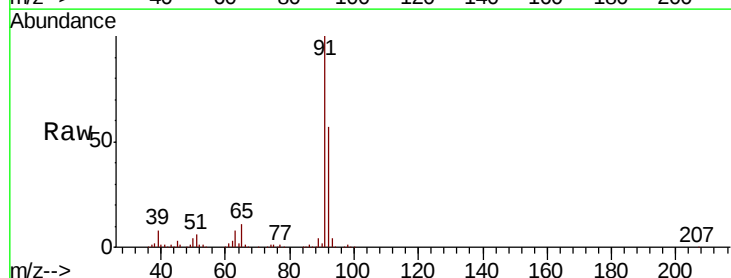
Acq: 31 Aug 2018 20:58

Tgt Ion: 91 Resp: 615422

Ion Ratio Lower Upper

91 100

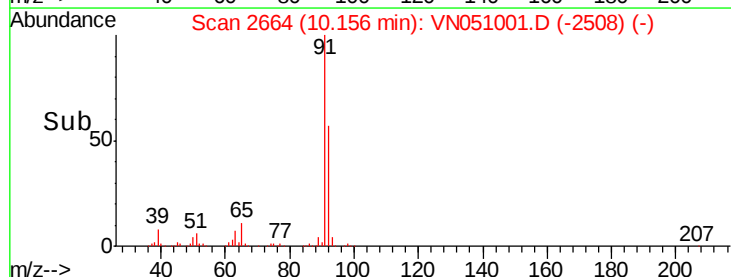
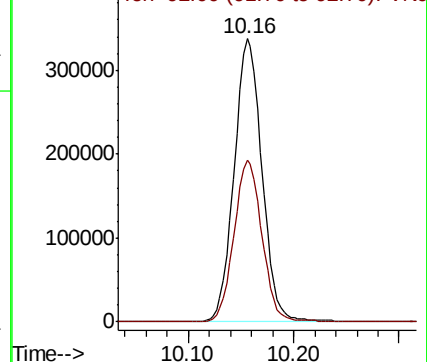
92 57.5 45.8 68.8

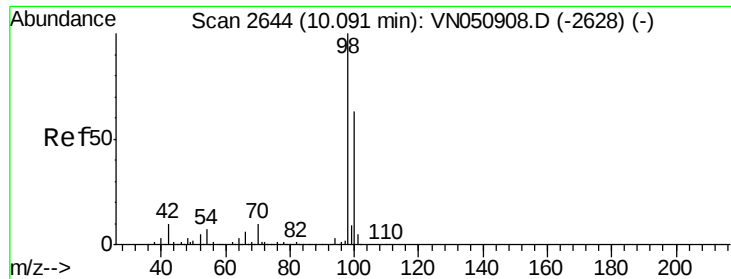


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





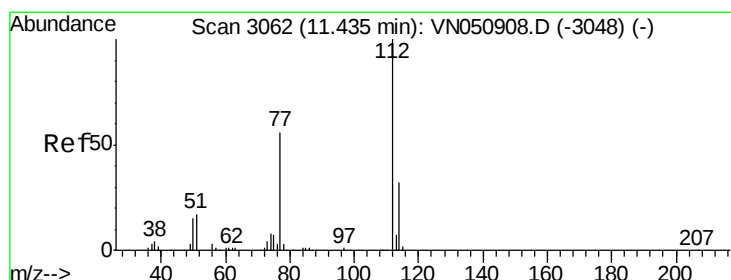
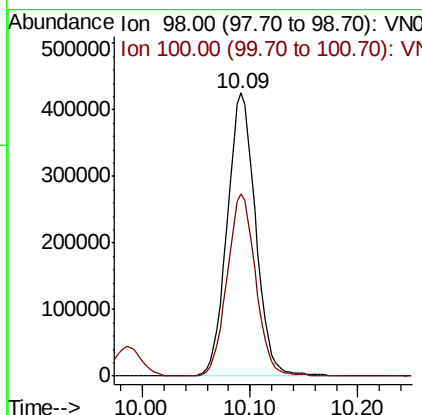
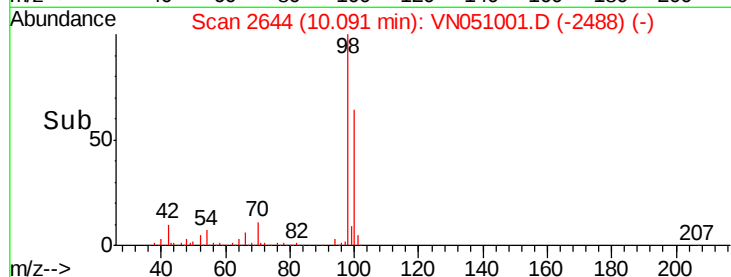
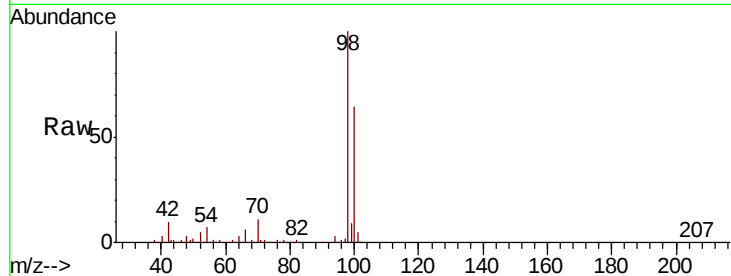
#63
Toluene-d8
Concen: 30.50 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion: 98 Resp: 781065
Ion Ratio Lower Upper
98 100
100 64.5 50.6 75.8

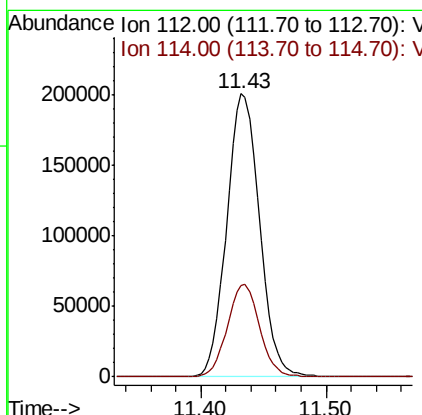
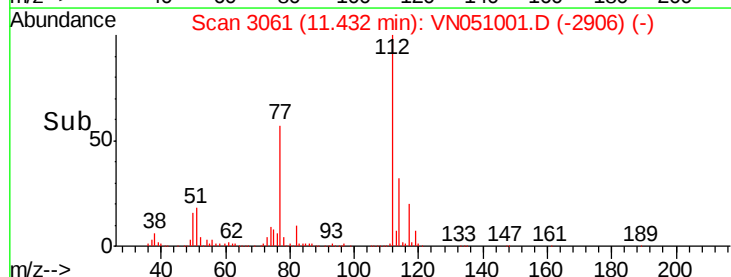
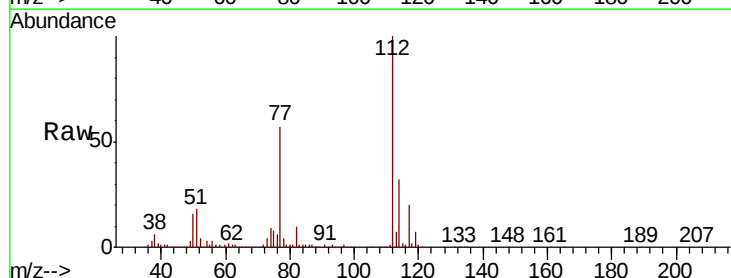
Manual Integrations
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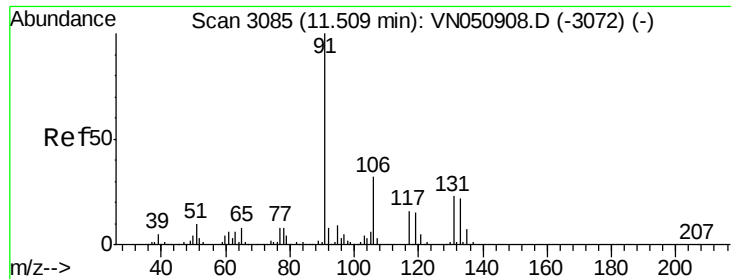
MMDadoda
9/4/2018 12:28:22 PM



#64
Chlorobenzene
Concen: 19.20 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 112 Resp: 364488
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

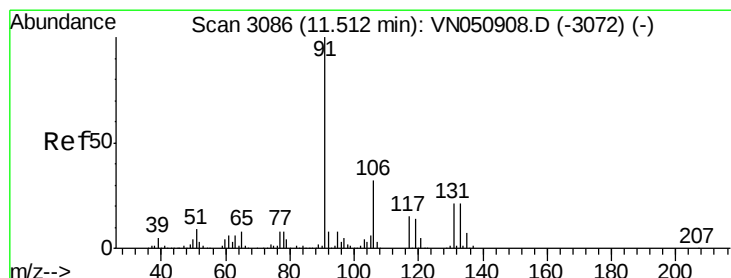
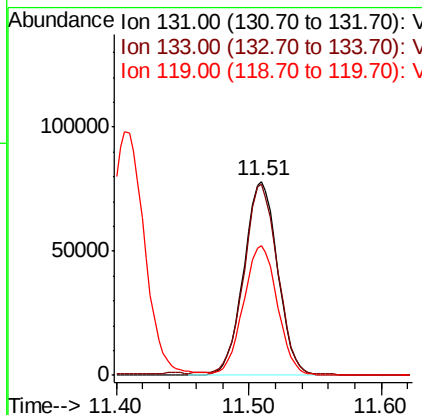
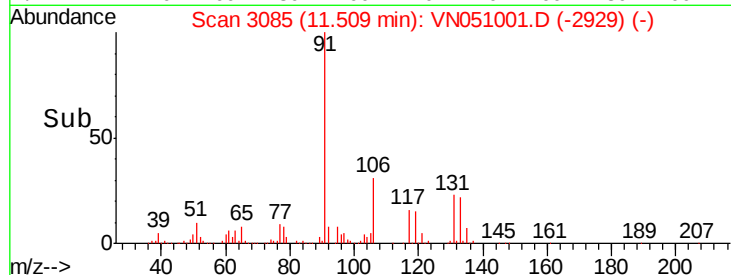
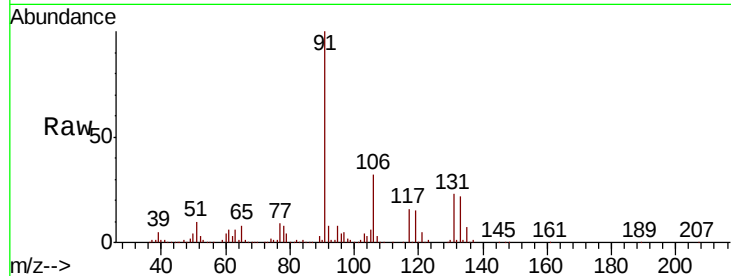
ClientSampleId :

VN0831WBSD02

Tot Ion:	131	Resp:	138902
Ion Ratio	Lower	Upper	
131	100		
133	96.9	0.0	189.4
119	67.1	0.0	132.2

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#66

Ethyl Benzene

Concen: 18.92 ug/l

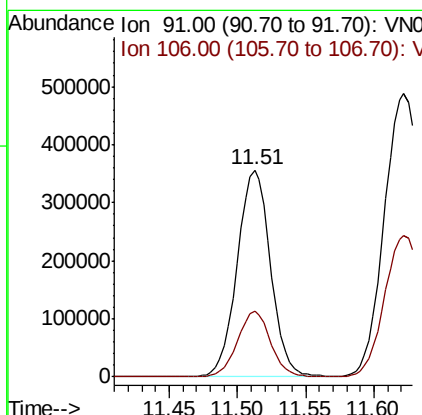
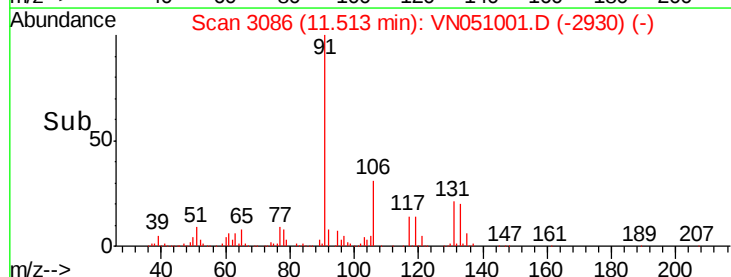
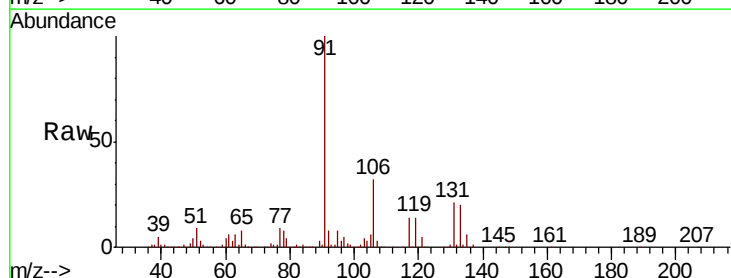
RT: 11.51 min Scan# 3086

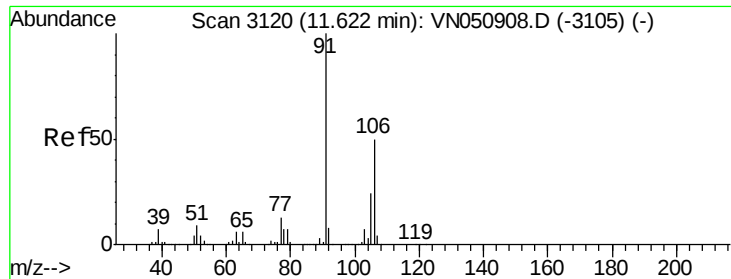
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	91	Resp:	600435
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.7	38.5





#67

m/p-Xvlenes

Concen: 38.66 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion:106 Resp: 472123

Ion Ratio Lower Upper

106 100

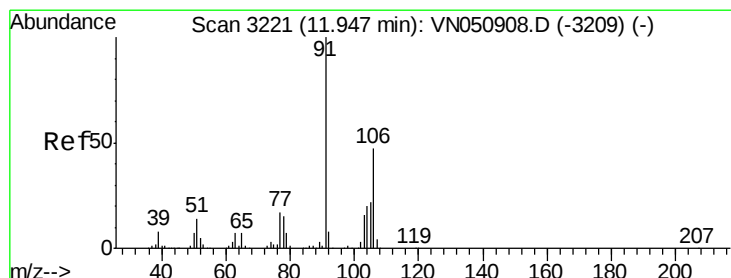
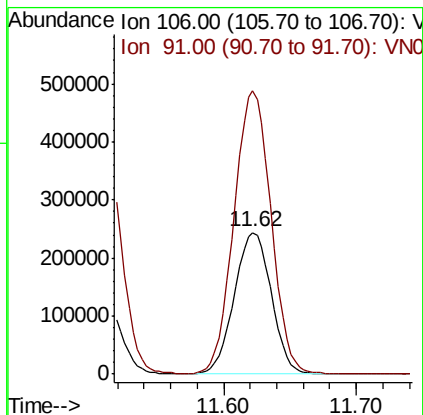
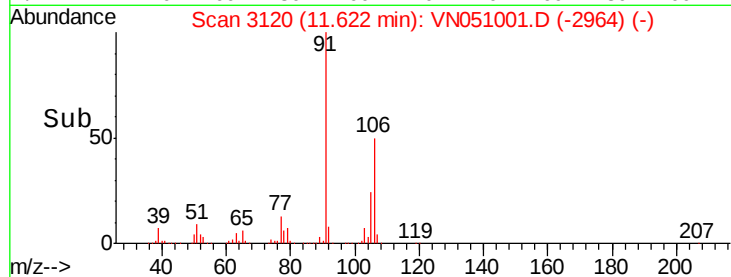
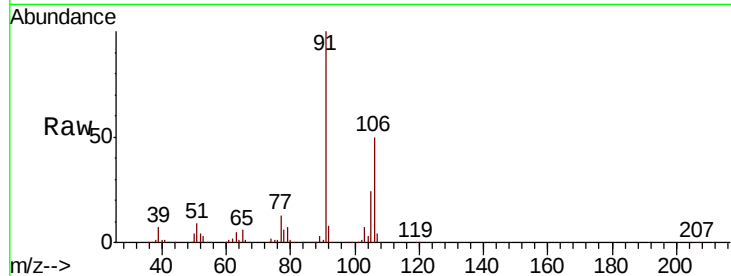
91 200.3 160.6 241.0

Manual Integrations

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#68

o-Xylene

Concen: 19.22 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN051001.D

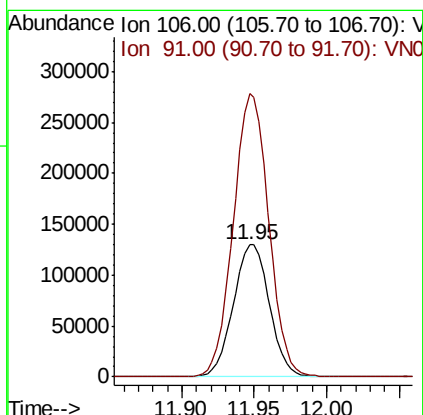
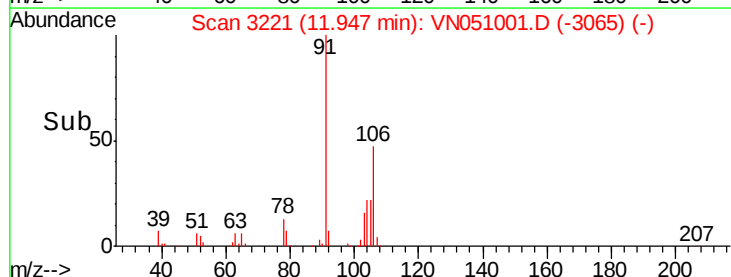
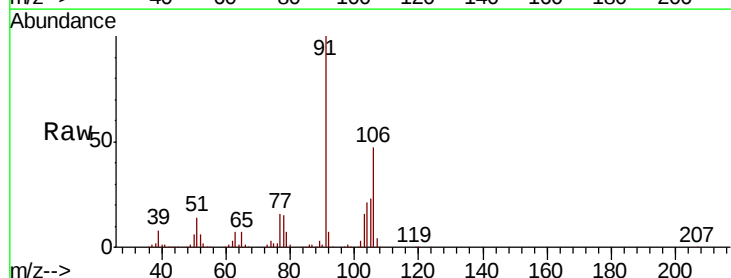
Acq: 31 Aug 2018 20:58

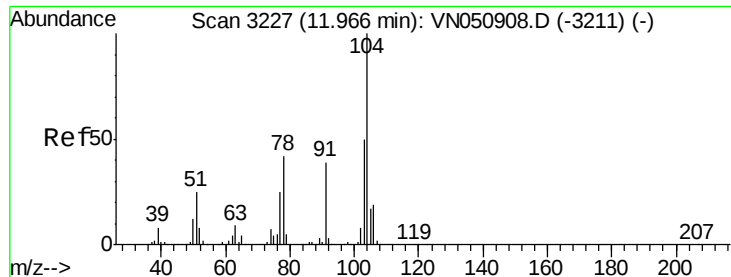
Tgt Ion:106 Resp: 224260

Ion Ratio Lower Upper

106 100

91 210.7 106.4 319.2





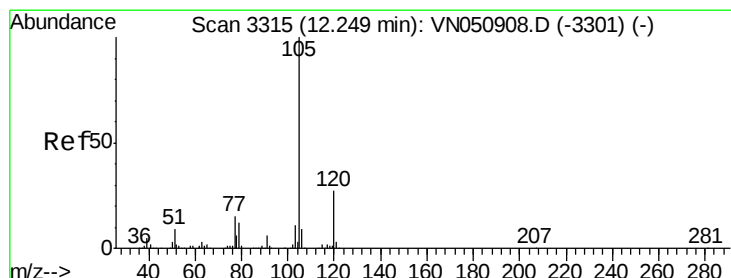
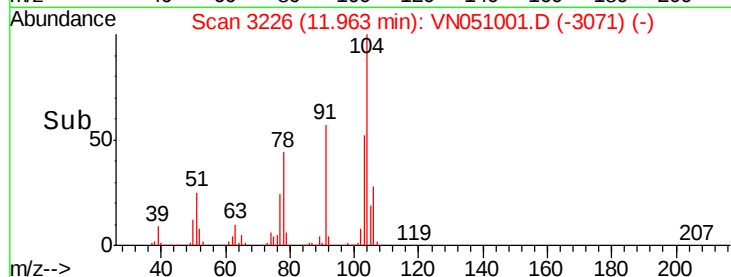
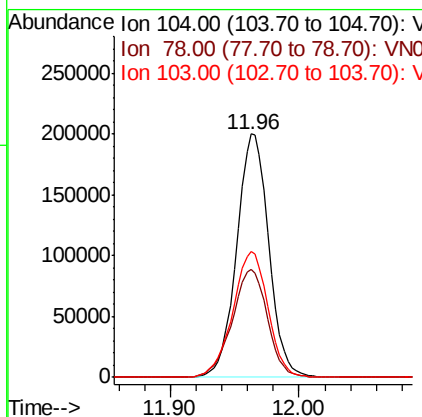
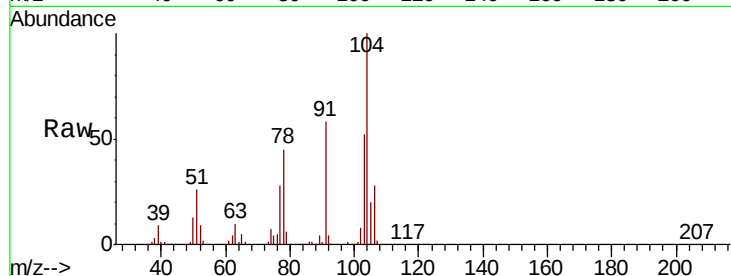
#69
Stvrene
Concen: 18.66 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.6	58.0
103	56.8	45.4	68.2

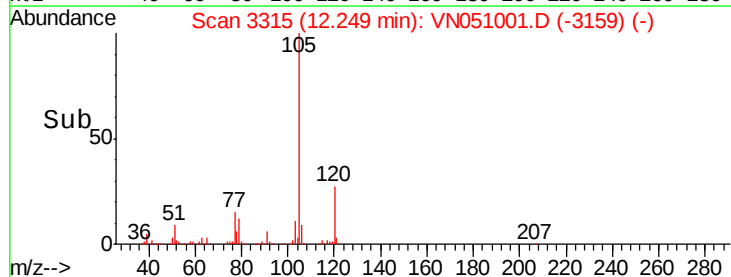
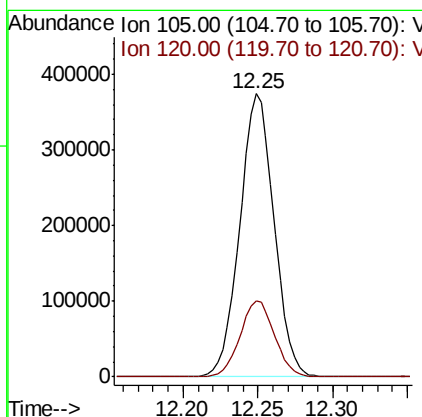
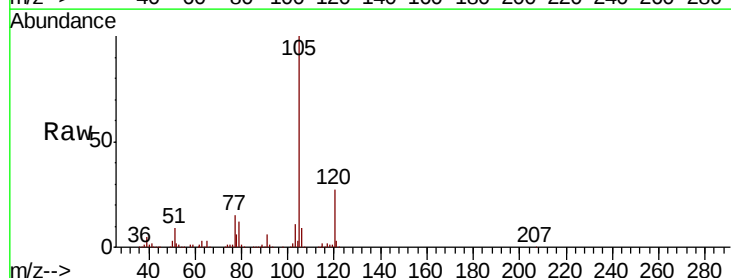
Manual Integrations
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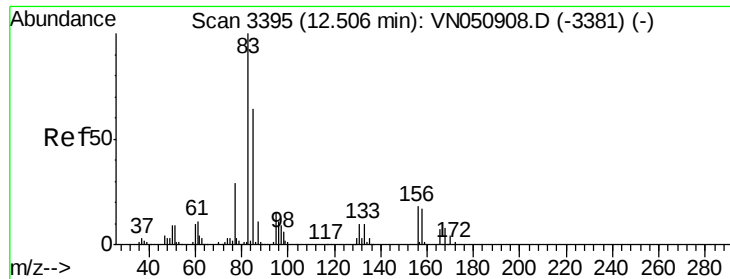
MMDadoda
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#70
Isopropylbenzene
Concen: 19.21 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.6	34.6





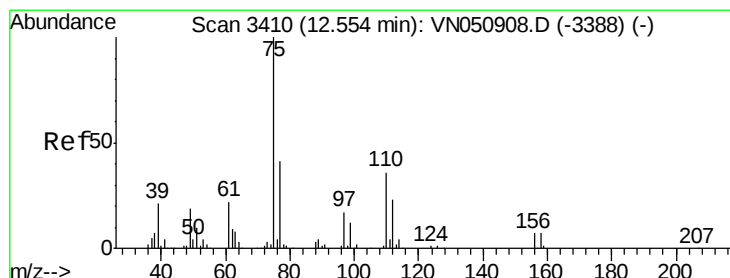
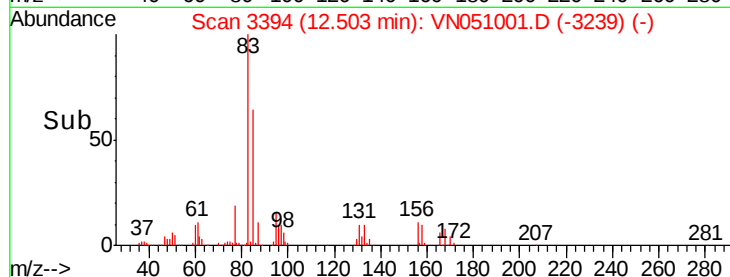
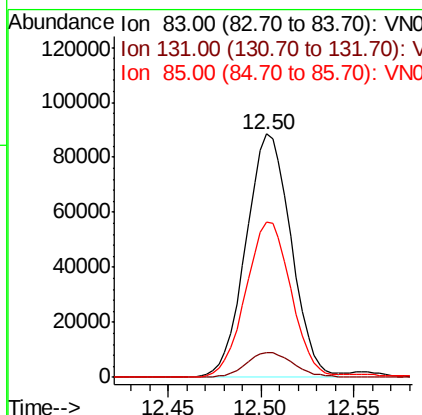
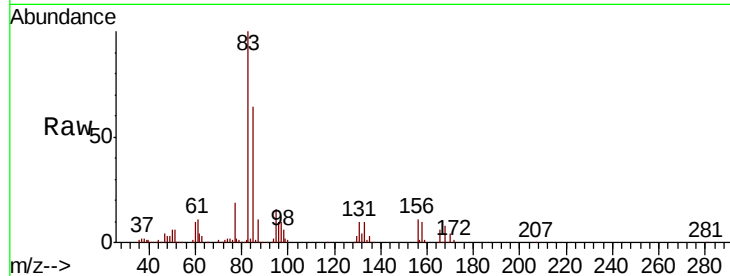
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.85 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.9
85	64.0	32.3	96.9

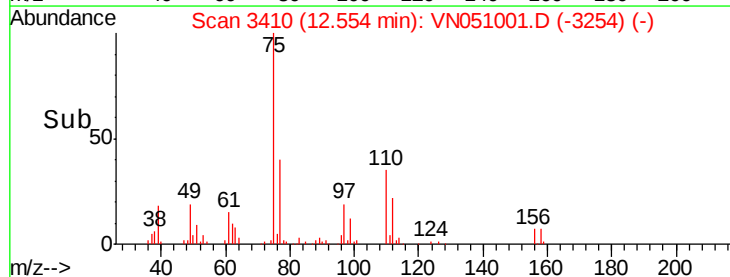
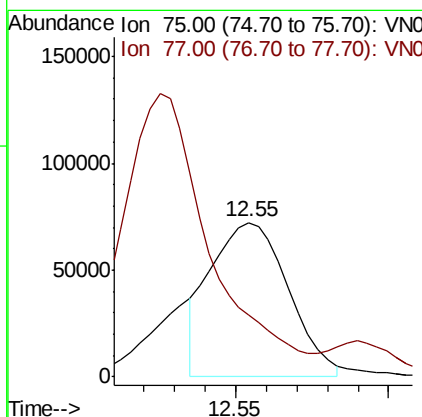
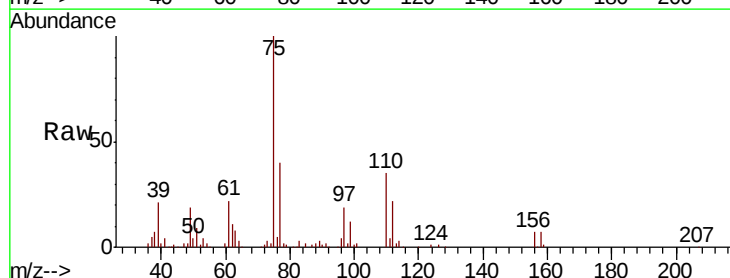
Manual Integrations
 APPROVED

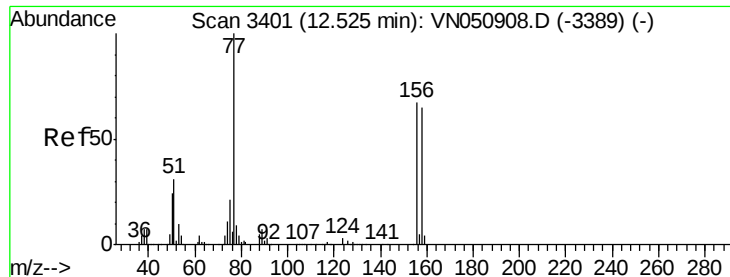
MMDadoda
 9/4/2018 12:28:22 PM



#72
 1,2,3-Trichloropropane
 Concen: 17.63 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	207.9	0.0	301.6





#73

Bromobenzene

Concen: 18.49 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

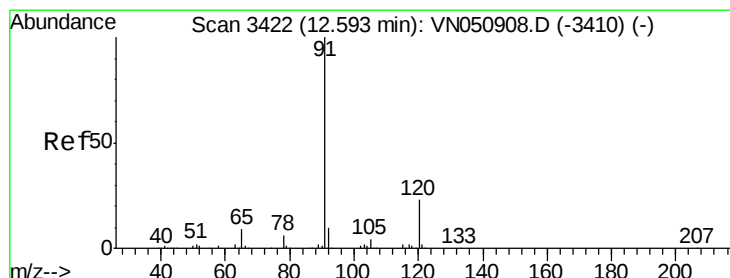
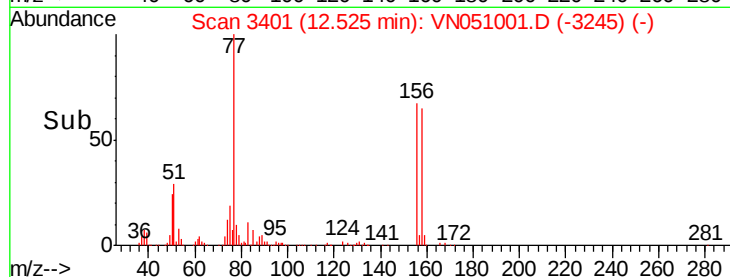
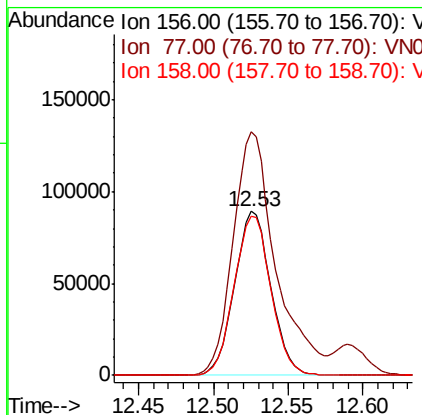
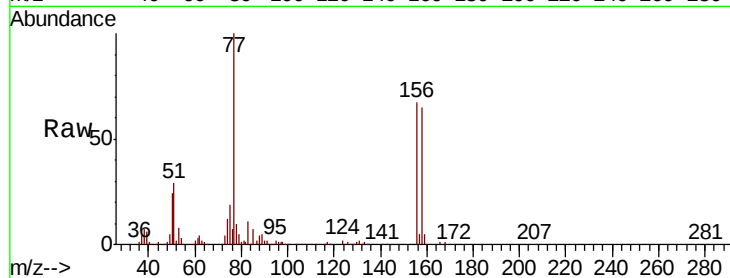
ClientSampleId :

VN0831WBSD02

Tot Ion:	156	Resp:	150824
Ion Ratio	Lower	Upper	
156	100		
77	176.0	0.0	359.4
158	98.4	0.0	194.6

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#74

n-propylbenzene

Concen: 18.97 ug/l

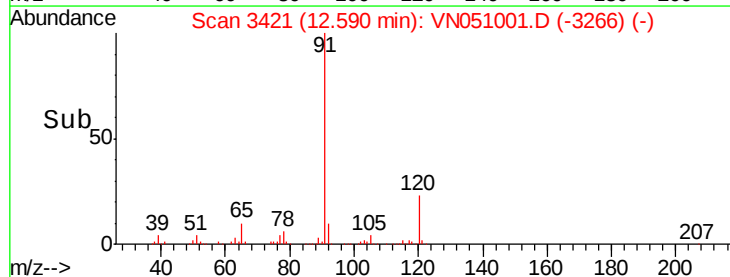
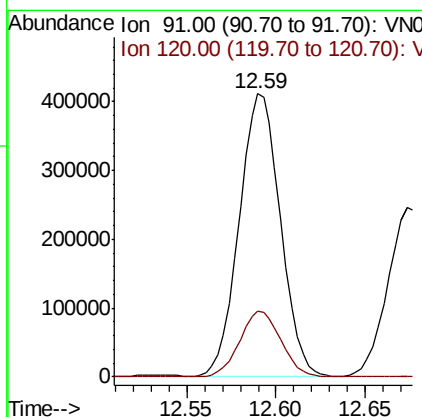
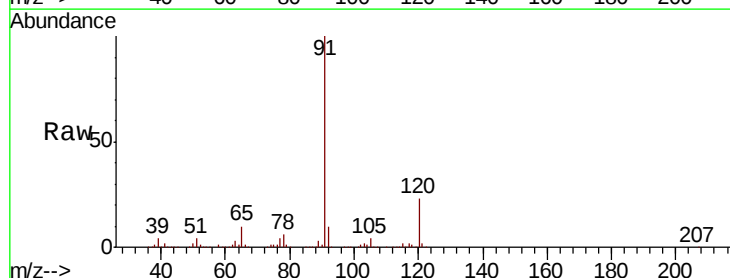
RT: 12.59 min Scan# 3421

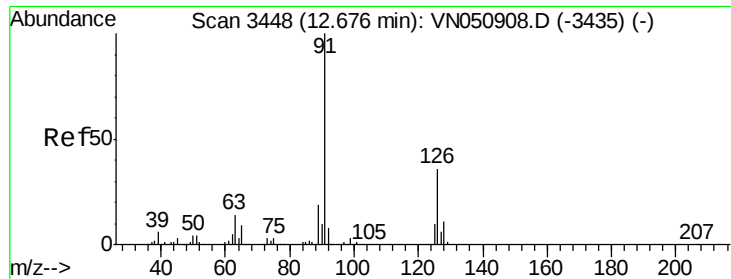
Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	91	Resp:	664968
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.40 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD02

Tot Ion: 91 Resp: 413192

Ion Ratio Lower Upper

91 100

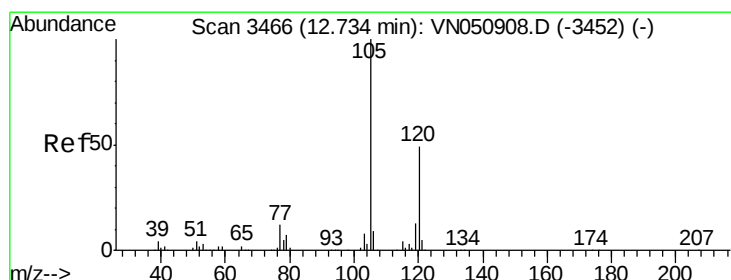
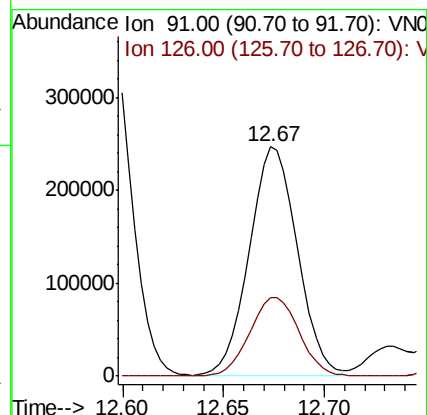
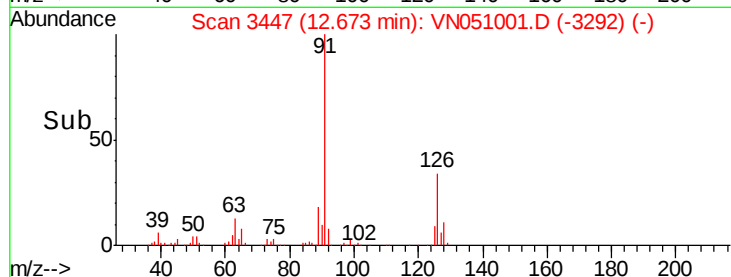
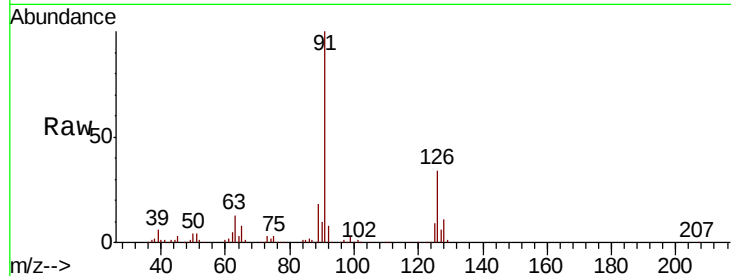
126 35.3 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN051001.D

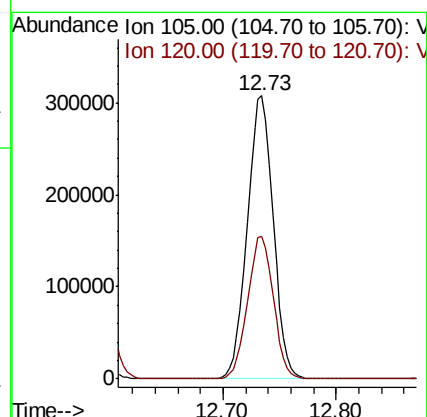
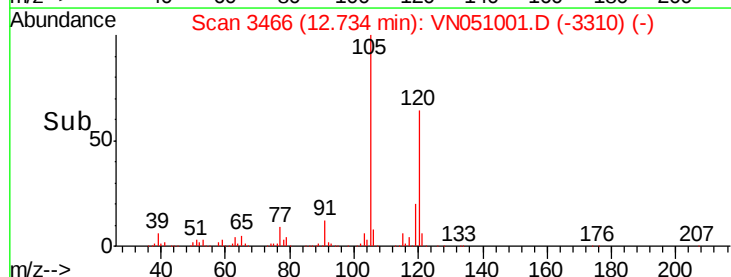
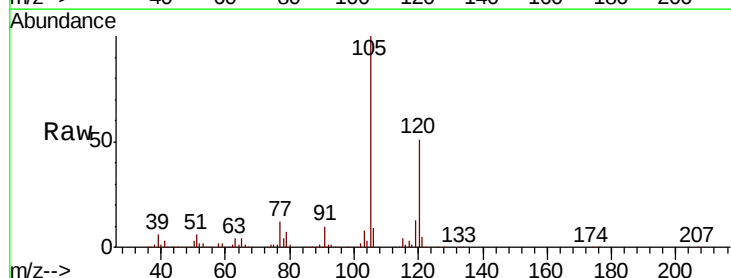
Acq: 31 Aug 2018 20:58

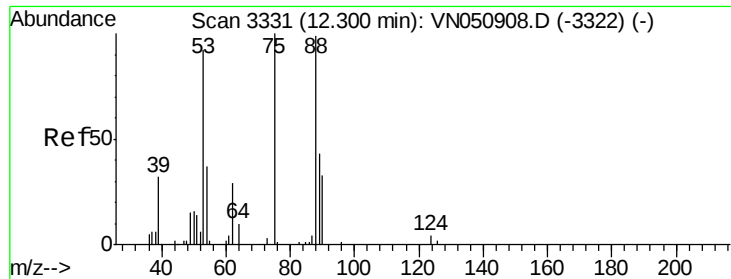
Tgt Ion:105 Resp: 491135

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.6





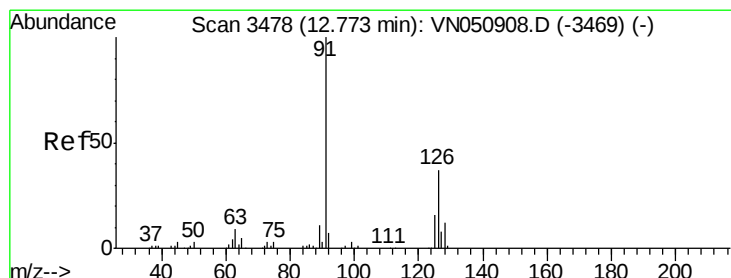
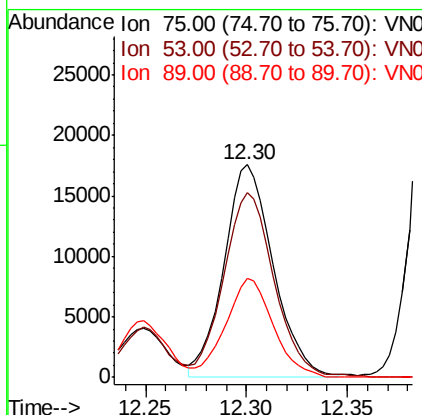
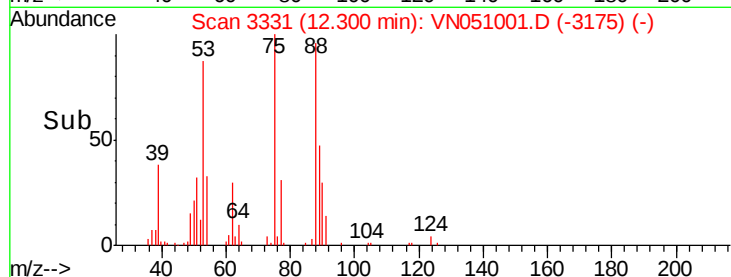
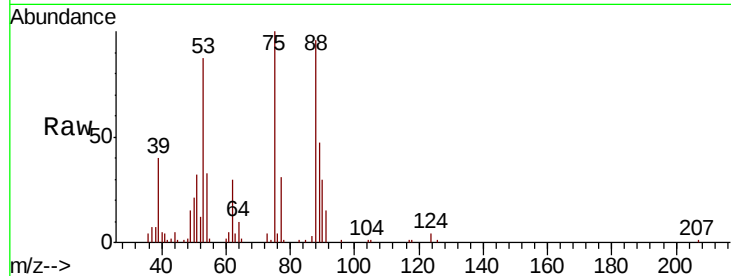
#77
t-1,4-Dichloro-2-butene
Concen: 14.57 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.3	45.5	136.4
89	47.3	21.9	65.8

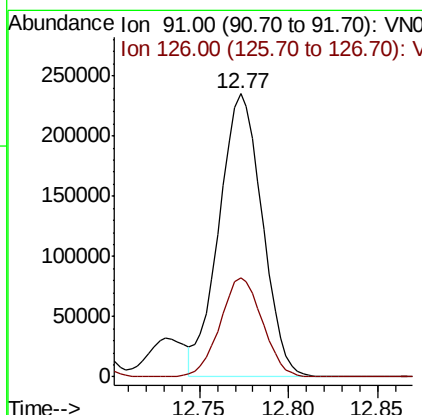
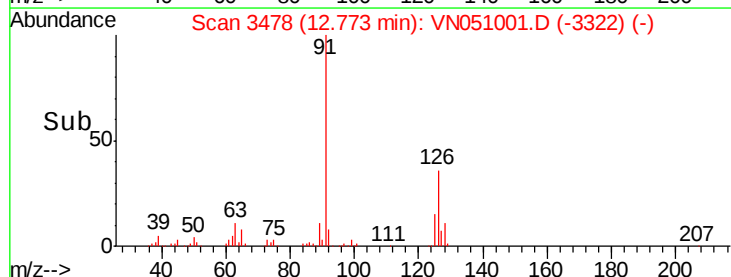
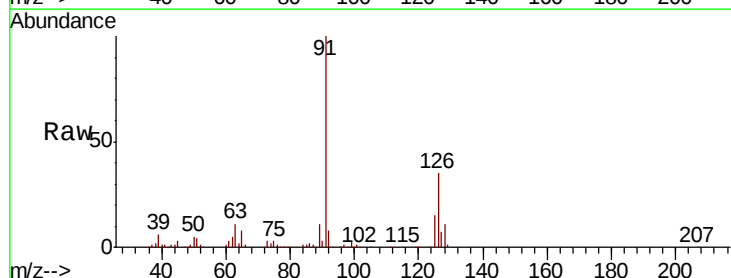
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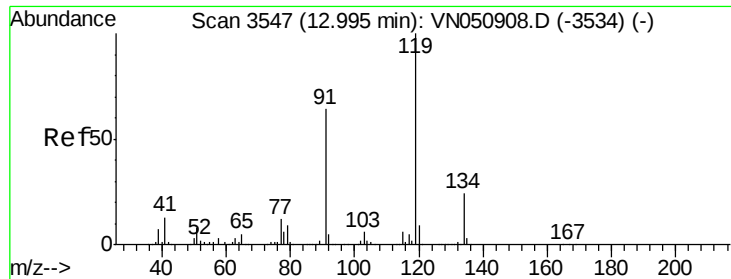
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#78
4-Chlorotoluene
Concen: 18.76 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	69.8





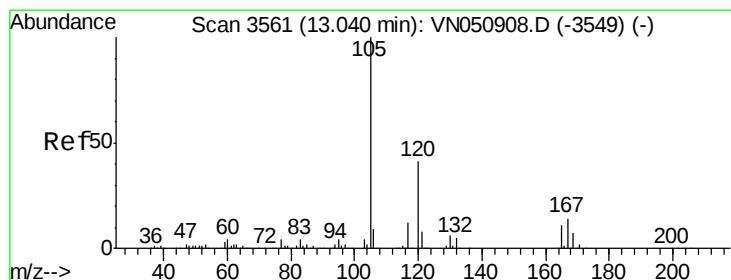
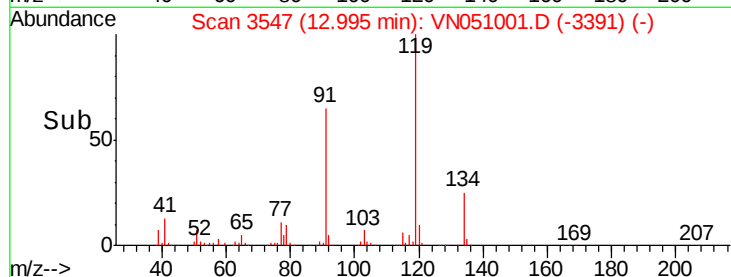
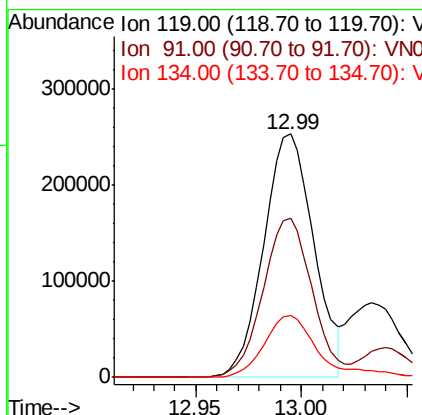
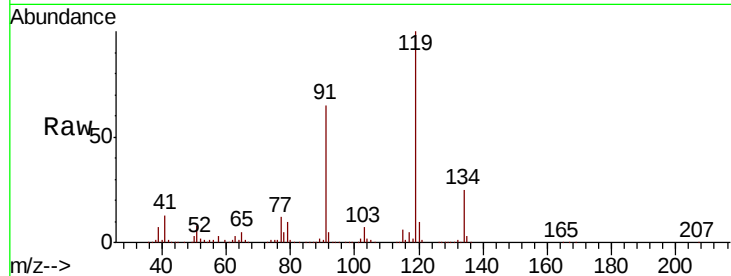
#79
tert-butylbenzene
Concen: 19.05 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	419206		
91	63.5	0.0	125.6	
134	27.6	0.0	48.4	

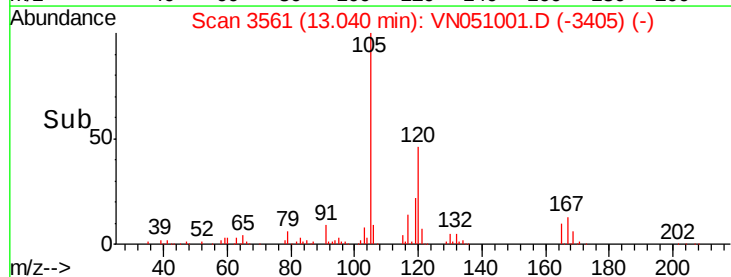
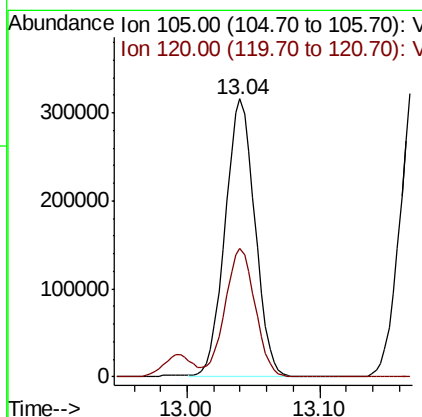
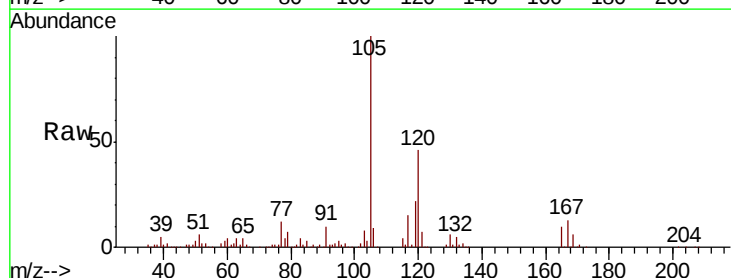
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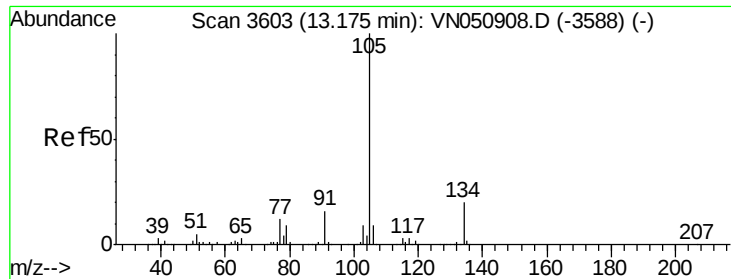
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#80
1,2,4-Trimethylbenzene
Concen: 19.49 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	492298		
120	46.7	0.0	93.6	





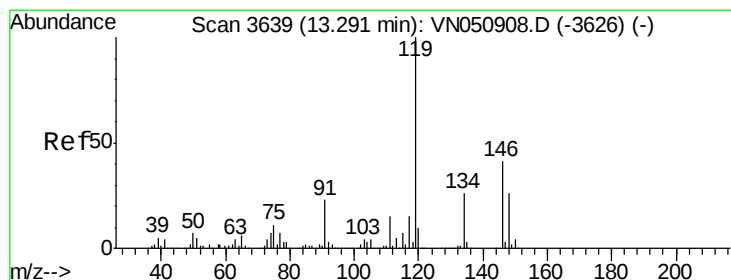
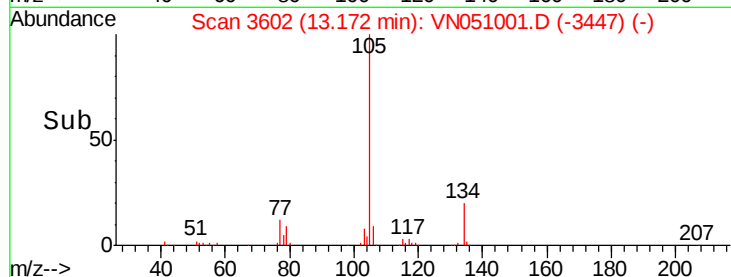
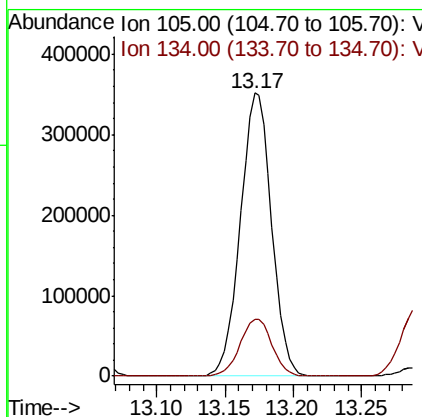
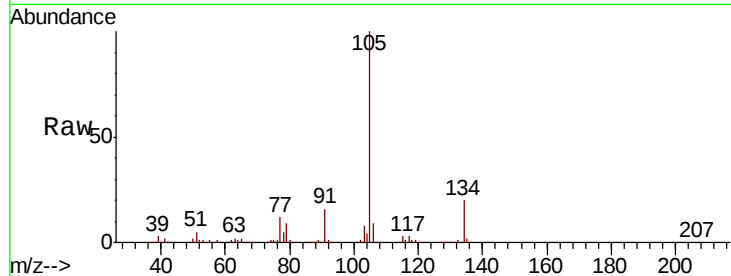
#81
 sec-Butylbenzene
 Concen: 19.25 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	554108		
134	20.8	0.0	40.8	

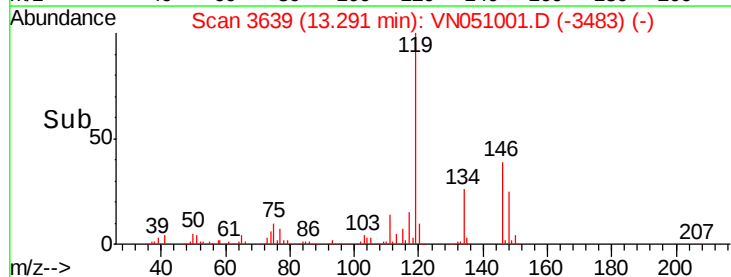
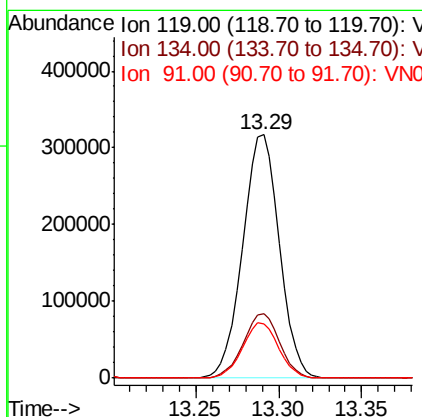
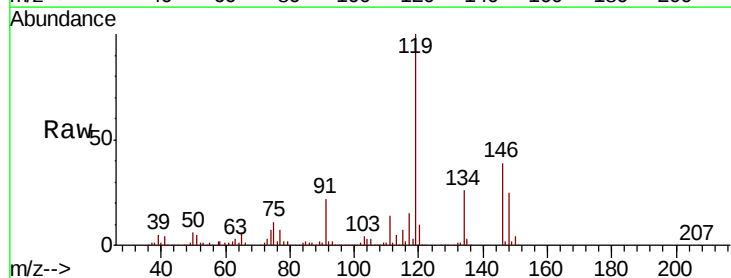
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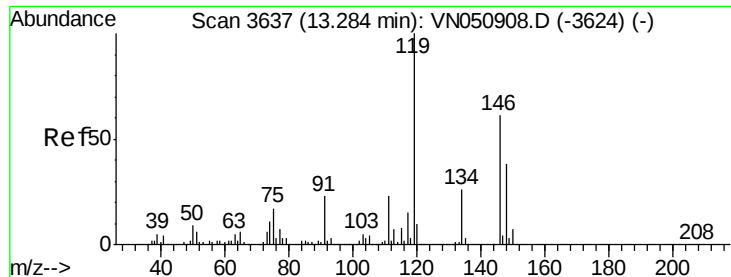
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#82
 p-Isopropyltoluene
 Concen: 19.56 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	485942		
134	26.2	0.0	53.2	
91	22.6	0.0	46.0	





#83

1,3-Dichlorobenzene

Concen: 18.38 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

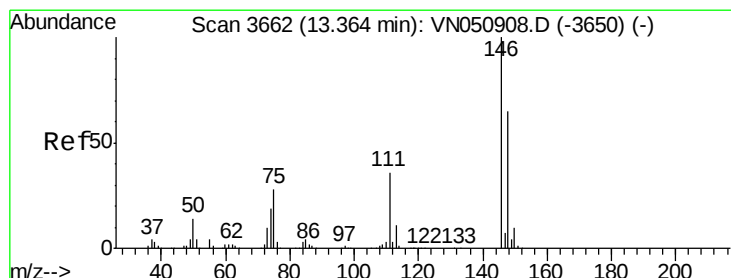
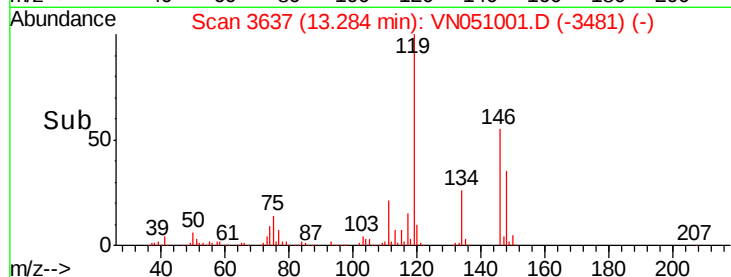
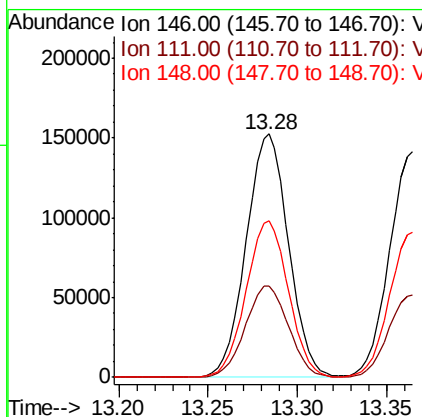
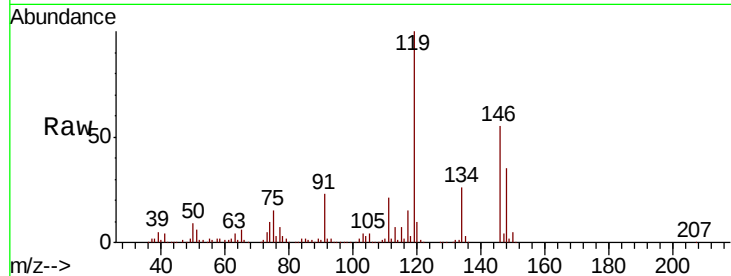
ClientSampleId :

VN0831WBSD02

Tot Ion:	146	Resp:	253491
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.6
148	64.3	31.8	95.3

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 17.99 ug/l

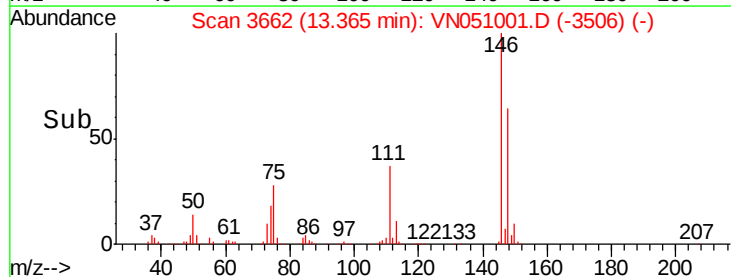
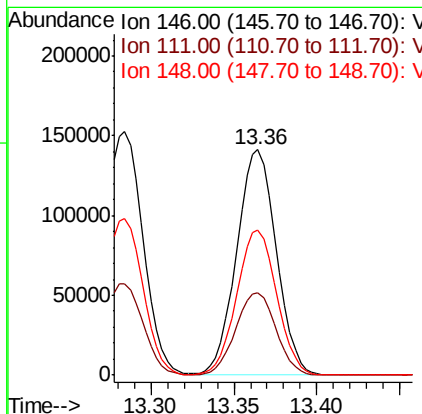
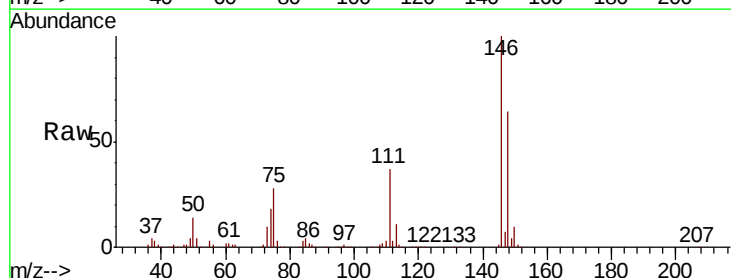
RT: 13.36 min Scan# 3662

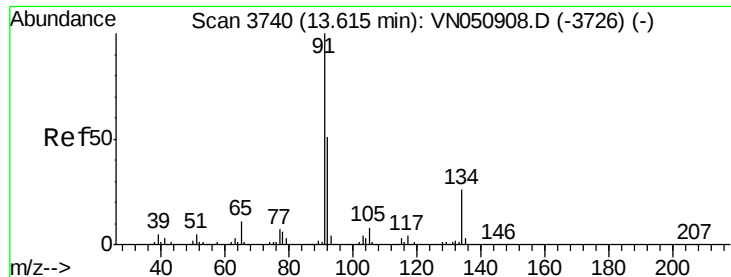
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	146	Resp:	235093
Ion Ratio	Lower	Upper	
146	100		
111	37.2	17.7	53.1
148	64.7	31.6	94.8





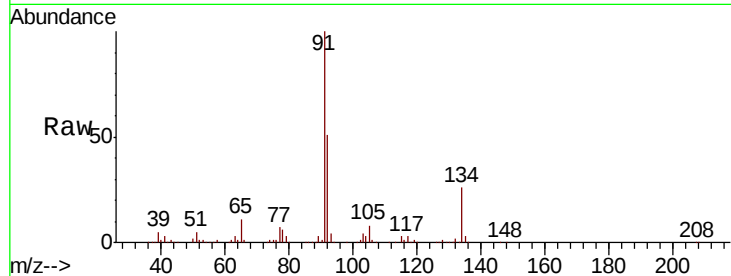
#85
n-Butylbenzene
Concen: 18.13 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	101.8
134	25.6	0.0	52.2

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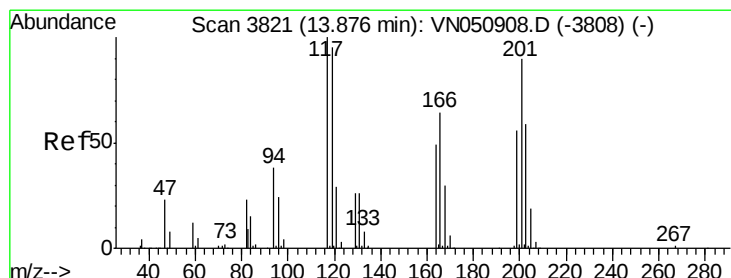
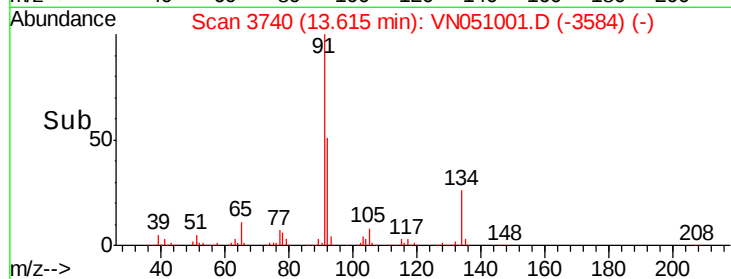
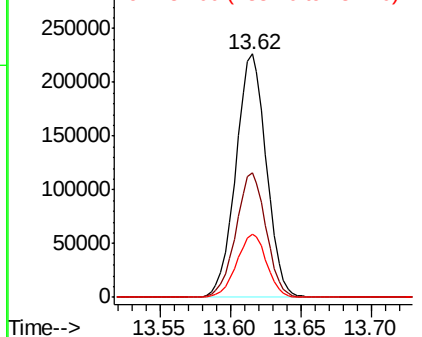


Abundance

Ion 91.00 (90.70 to 91.70): VN051001.D (-3726) (-)

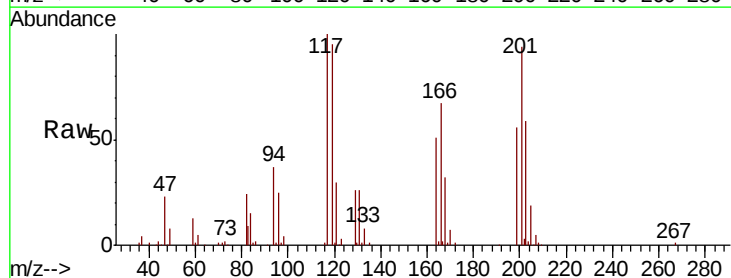
Ion 92.00 (91.70 to 92.70): VN051001.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN051001.D (-3726) (-)



#86
Hexachloroethane
Concen: 16.61 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

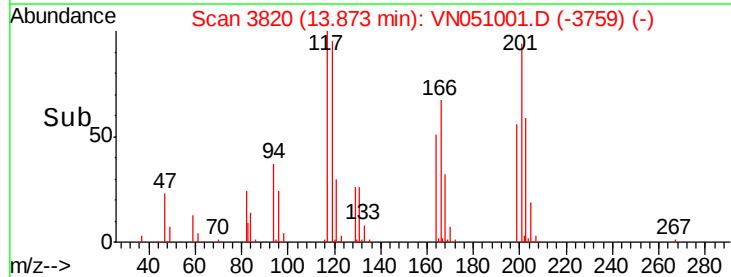
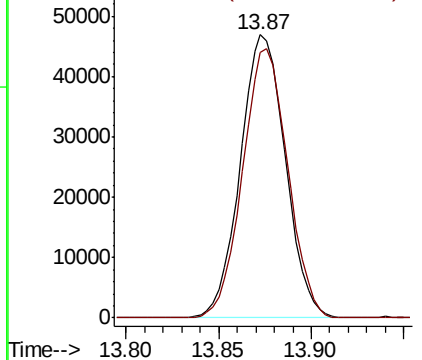
Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	45.8	137.4

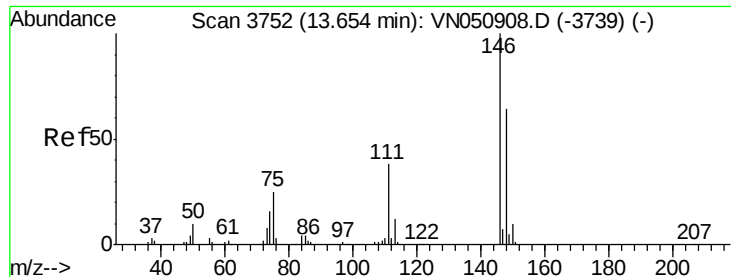


Abundance

Ion 117.00 (116.70 to 117.70): VN051001.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN051001.D (-3759) (-)





#87

1,2-Dichlorobenzene

Concen: 18.73 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

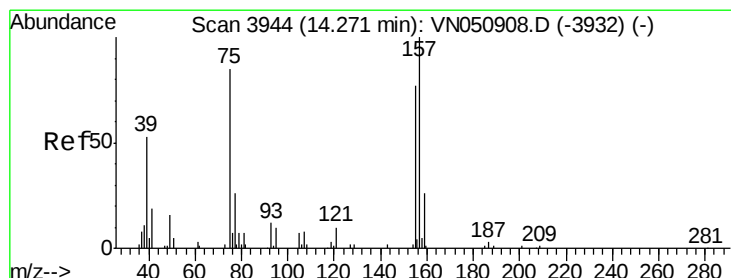
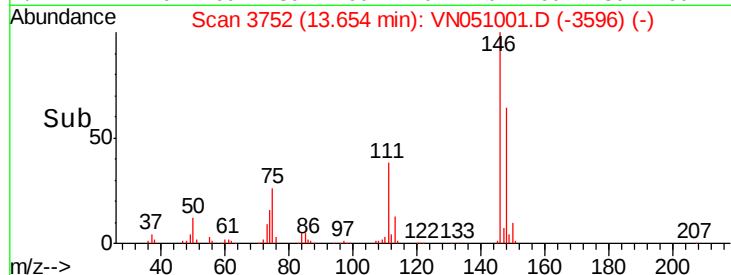
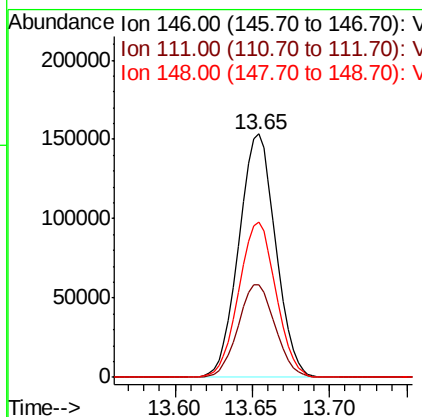
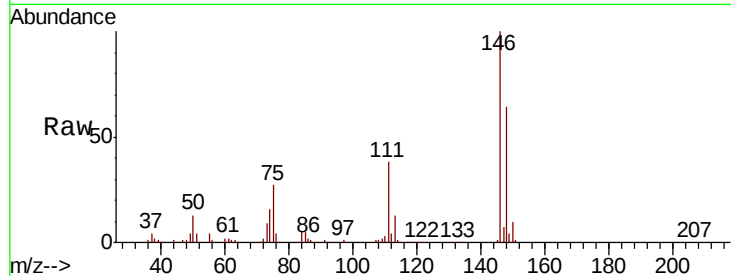
ClientSampleId :

VN0831WBSD02

Tot Ion:	146	Resp:	254220
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.1
148	64.3	31.9	95.9

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.22 ug/l

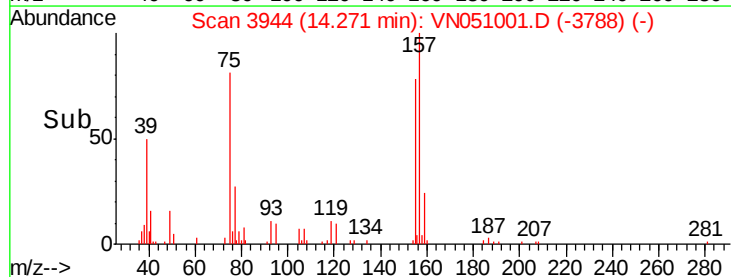
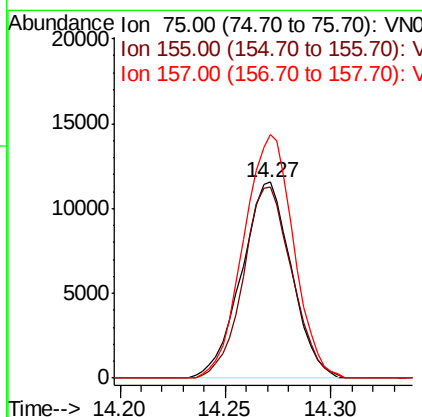
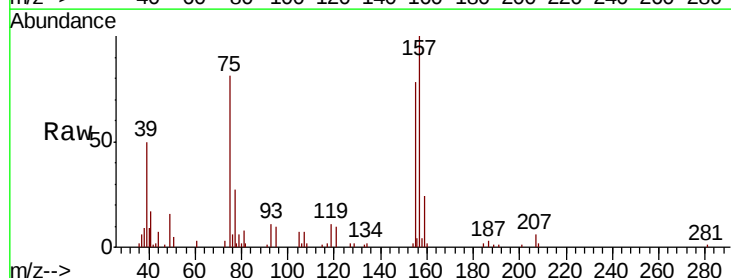
RT: 14.27 min Scan# 3944

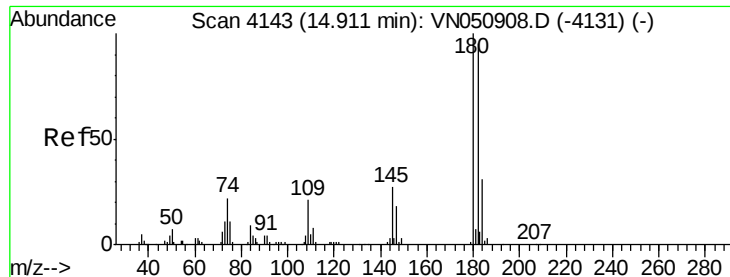
Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion:	75	Resp:	19048
Ion Ratio	Lower	Upper	
75	100		
155	94.9	71.8	107.6
157	124.3	91.1	136.7





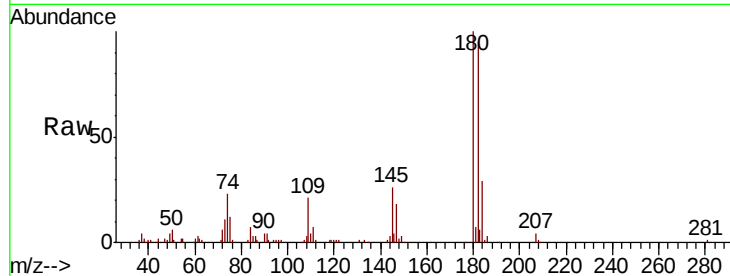
#89
 1,2,4-Trichlorobenzene
 Concen: 15.54 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.2	114.4
145	27.0	22.2	33.4

Manual Integrations
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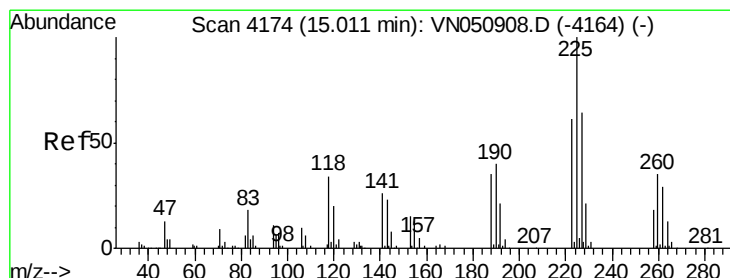
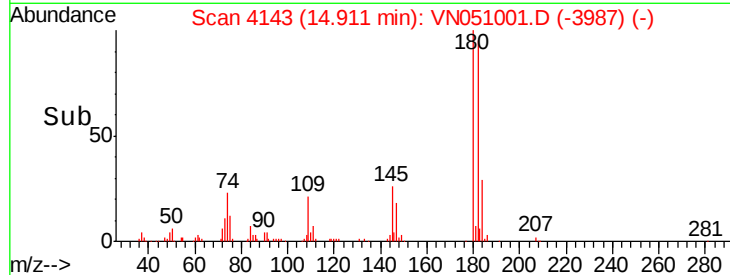
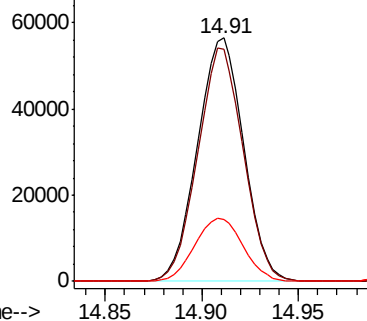


Abundance

Ion 180.00 (179.70 to 180.70): V

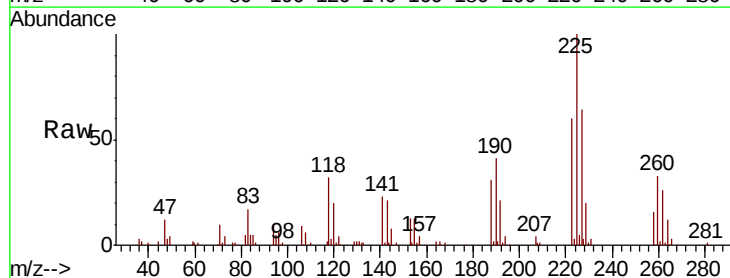
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 21.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	127.8
227	63.7	0.0	128.4

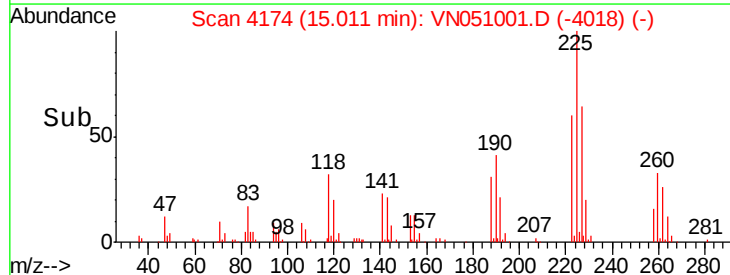
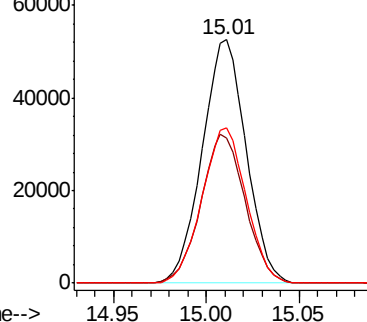


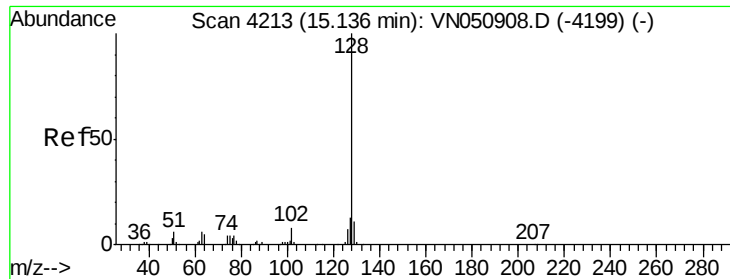
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





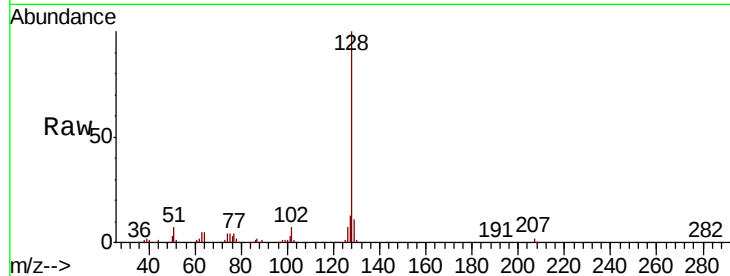
#91
Naphthalene
Concen: 17.46 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

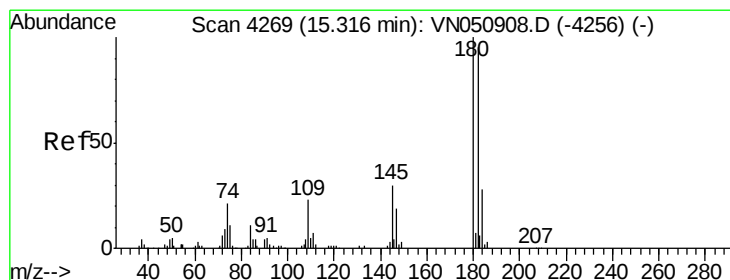
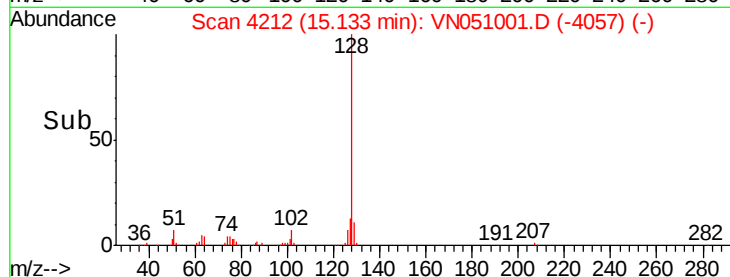
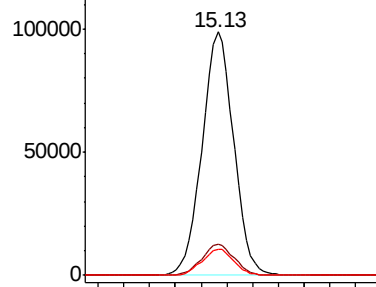
Tot Ion:	128	Resp:	167709
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:28:22 PM

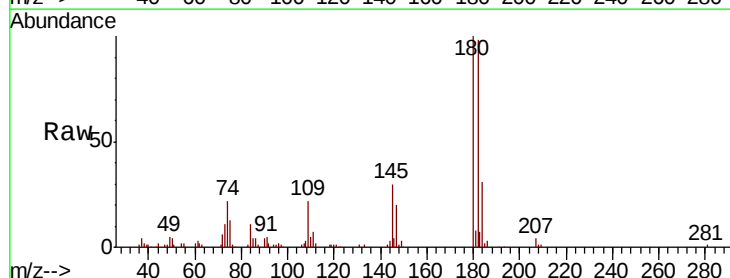


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 16.33 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion:	180	Resp:	99028
Ion Ratio	Lower	Upper	
180	100		
182	97.6	0.0	192.8
145	29.8	0.0	60.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

