

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051041.D
 Acq On : 7 Sep 2018 8:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:52:58 AM

Quant Time: Sep 07 16:51:41 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	7.19	128	135812	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	715608	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	645676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	255739	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	291943	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	912885	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	143005	16.96	ug/l	100
3) Chloromethane	2.06	50	164219	16.49	ug/l	98
4) Vinyl Chloride	2.18	62	166649	16.94	ug/l	99
5) Bromomethane	2.56	94	118339	19.73	ug/l	98
6) Chloroethane	2.70	64	101522	17.49	ug/l	98
7) Trichlorofluoromethane	3.01	101	232512	17.82	ug/l	98
8) Diethyl Ether	3.41	74	80420	17.48	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150553	18.64	ug/l	99
10) 1,1-Dichloroethene	3.73	96	125458	17.10	ug/l	96
11) Methyl Iodide	3.95	142	76002	11.10	ug/l	96
12) Methyl Acetate	4.33	43	188878	22.26	ug/l	98
13) Acrolein	3.61	56	36188	192.59	ug/l	95
14) Acrylonitrile	4.99	53	255533	89.06	ug/l	98
15) Acetone	3.82	58	72318	98.50	ug/l	94
16) Carbon Disulfide	4.05	76	352312	15.97	ug/l	98
17) Allyl chloride	4.32	41	194339	16.83	ug/l	97
18) Methylene Chloride	4.55	84	151091	17.54	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	135211	17.29	ug/l	98
20) Diisopropyl ether	5.95	45	431556	18.01	ug/l	99
21) 1,1-Dichloroethane	5.85	63	261055	17.76	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	152276	17.24	ug/l	97
23) tert-Butyl Alcohol	4.79	59	54016	88.53	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	355544	17.71	ug/l	100
25) Chloroform	7.37	83	265938	18.13	ug/l	99
26) Cyclohexane	7.65	56	199836	16.41	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	191661	17.89	ug/l	98
30) 2-Butanone	6.84	43	302800	91.88	ug/l	98
31) 2,2-Dichloropropane	6.82	77	207185	19.87	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	224096	18.45	ug/l	99
33) Carbon Tetrachloride	7.77	117	200747	18.35	ug/l	95
34) Benzene	8.04	78	597424	18.03	ug/l	98
35) Methacrylonitrile	7.19	41	68874m	19.07	ug/l	
36) 1,2-Dichloroethane	8.13	62	185435	18.50	ug/l	100
37) Trichloroethene	8.84	130	155074	17.90	ug/l	97
38) Methylcyclohexane	9.08	83	196509	17.08	ug/l	99
39) 1,2-Dichloropropane	9.12	63	161984	18.71	ug/l	99
40) Dibromomethane	9.21	93	98536	18.90	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201508	18.33	ug/l	98
42) Vinyl Acetate	5.90	43	1256483	82.77	ug/l	99
43) Ethyl Acetate	6.93	43	119187	17.65	ug/l	95
44) Isopropyl Acetate	8.17	43	215175	18.06	ug/l	97
45) 1,4-Dioxane	9.20	88	31347	354.20	ug/l	94
46) Methyl methacrylate	9.20	41	103695	17.38	ug/l	98
47) n-amyl Acetate	12.07	43	169778	17.73	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	192670	17.88	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	225390	18.21	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	142133	18.76	ug/l	99
51) Ethyl methacrylate	10.43	69	161342	17.41	ug/l	97
52) 1,3-Dichloropropane	10.71	76	232766	18.55	ug/l	100
53) Dibromochloromethane	10.90	129	161335	18.73	ug/l	98
54) 1,2-Dibromoethane	11.01	107	137300	18.33	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	303384	78.66	ug/l	100
56) Bromoform	12.13	173	114145	18.63	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	648128	87.73	ug/l	100
59) 2-Hexanone	10.75	43	427543	88.54	ug/l	99
61) Tetrachloroethene	10.63	164	146490	18.21	ug/l	97
62) Toluene	10.16	91	652799	18.12	ug/l	100
64) Chlorobenzene	11.43	112	406869	18.22	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	156716	18.59	ug/l	100
66) Ethyl Benzene	11.51	91	652204	17.48	ug/l	99
67) m/p-Xylenes	11.62	106	528002	36.78	ug/l	99
68) o-Xylene	11.95	106	250416	18.26	ug/l	98
69) Styrene	11.96	104	395179	18.12	ug/l	99
70) Isopropylbenzene	12.25	105	666529	18.29	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	187719	19.02	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	158557m	18.62	ug/l	
73) Bromobenzene	12.53	156	175426	18.29	ug/l	100
74) n-propylbenzene	12.59	91	758945	18.42	ug/l	99
75) 2-Chlorotoluene	12.67	91	464405	18.55	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	561147	18.84	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	41817	17.24	ug/l	95
78) 4-Chlorotoluene	12.77	91	456930	18.54	ug/l	99
79) tert-butylbenzene	12.99	119	475018	18.36	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	566815	19.09	ug/l	99
81) sec-Butylbenzene	13.17	105	641941	18.97	ug/l	100
82) p-Isopropyltoluene	13.29	119	547947	18.76	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	305006	18.81	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	287845	18.74	ug/l	99
85) n-Butylbenzene	13.62	91	405505	18.19	ug/l	99
86) Hexachloroethane	13.87	117	103033	18.37	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	302531	18.96	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25598	18.54	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	118979	16.75	ug/l	99
90) Hexachlorobutadiene	15.01	225	104452	21.64	ug/l	98
91) Naphthalene	15.13	128	215979	18.30	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	120096	16.84	ug/l	99

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

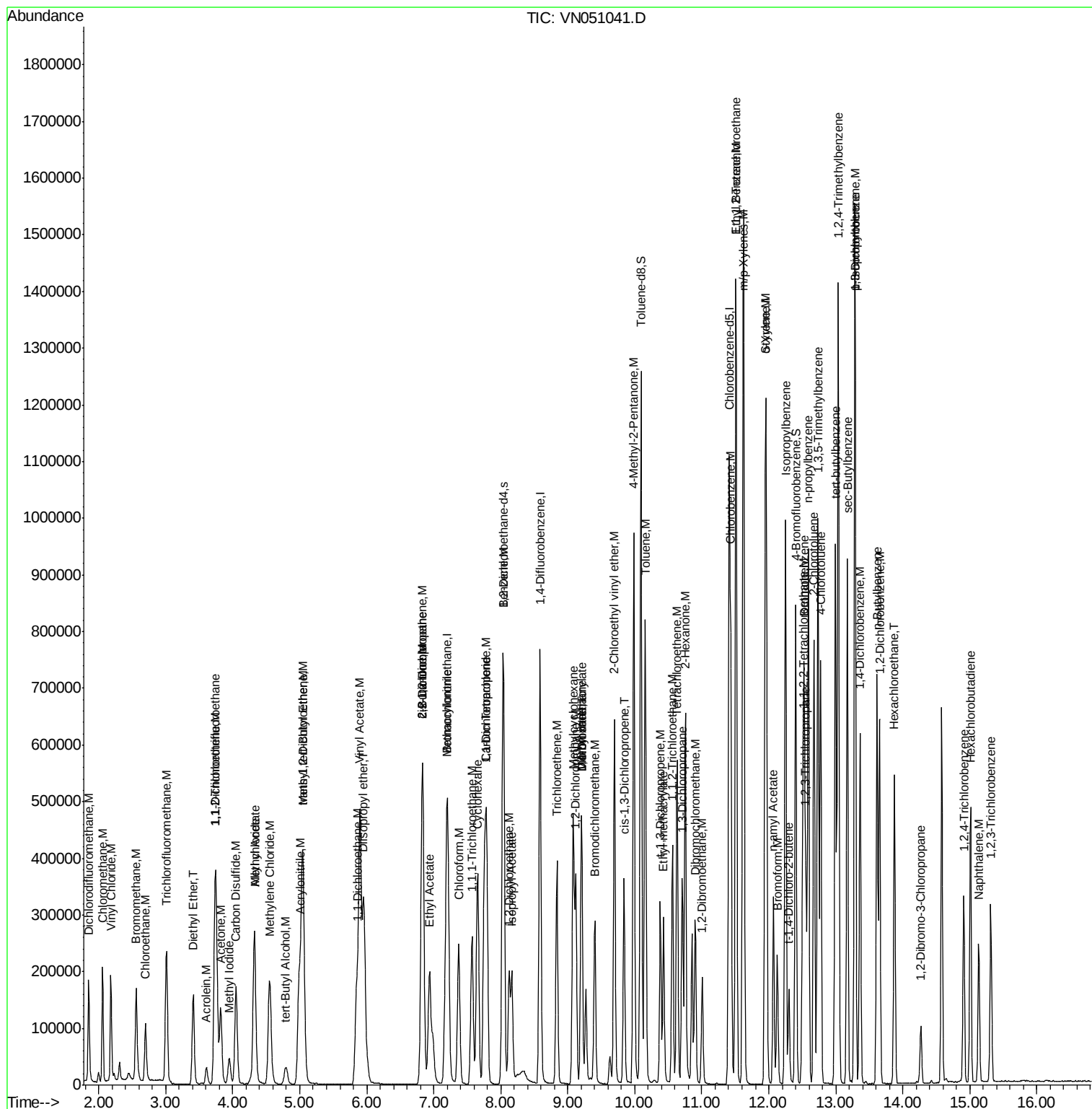
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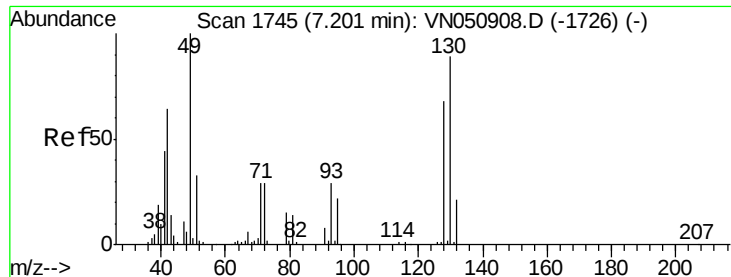
Instrument :
MSVOA_N
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VSTDCCC020

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

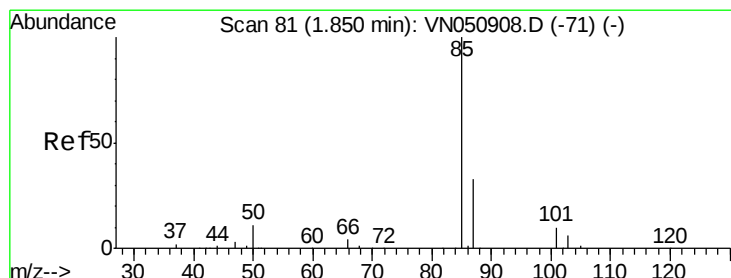
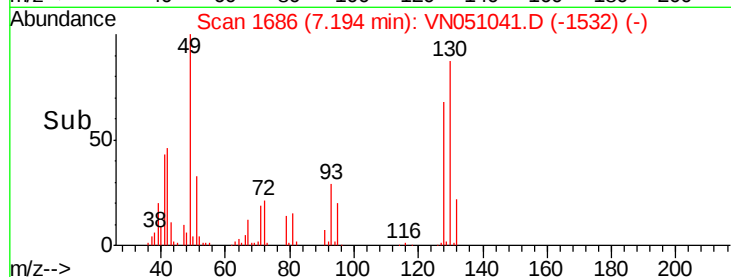
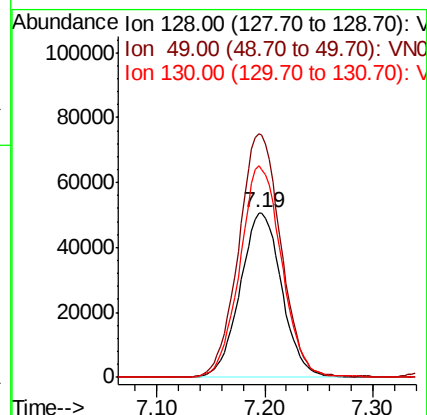
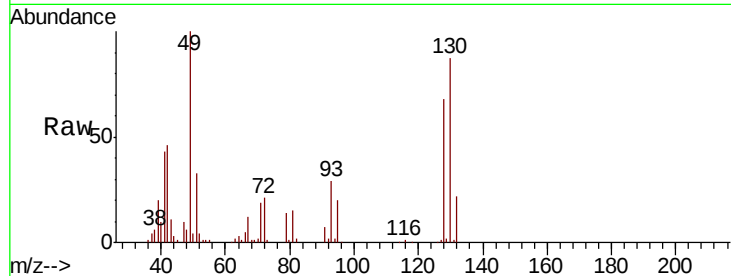
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	135812
Ion	Ratio	Lower	Upper
128	100		
49	150.5	0.0	380.3
130	129.7	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 16.96 ug/l

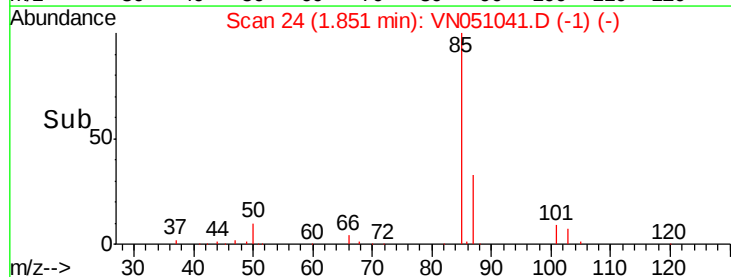
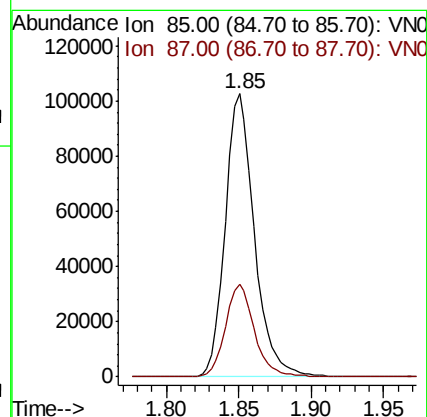
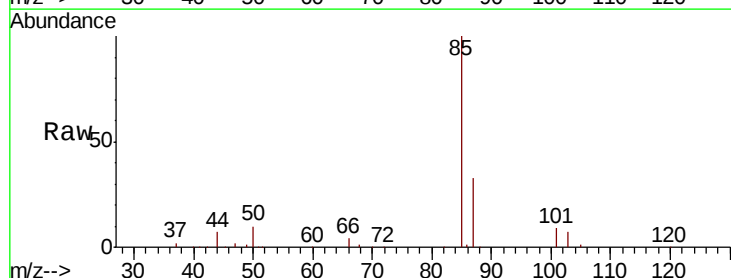
RT: 1.85 min Scan# 24

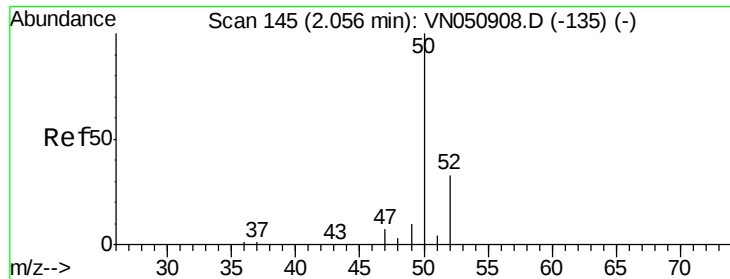
Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion:	85	Resp:	143005
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.4	49.1





#3

Chloromethane

Concen: 16.49 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 164219

Ion Ratio Lower Upper

50 100

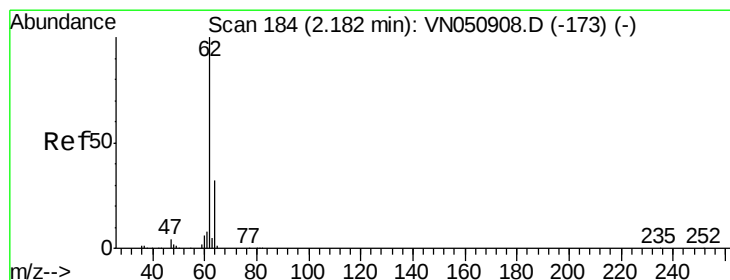
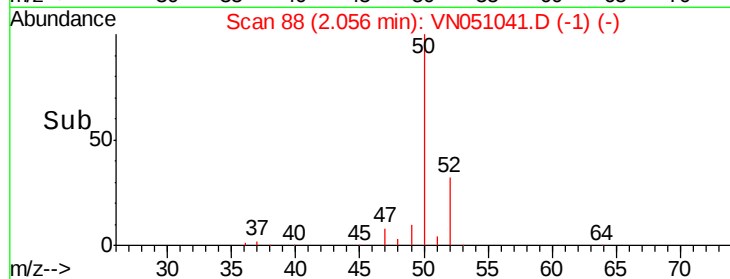
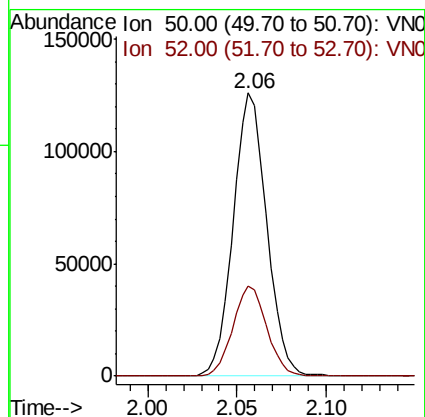
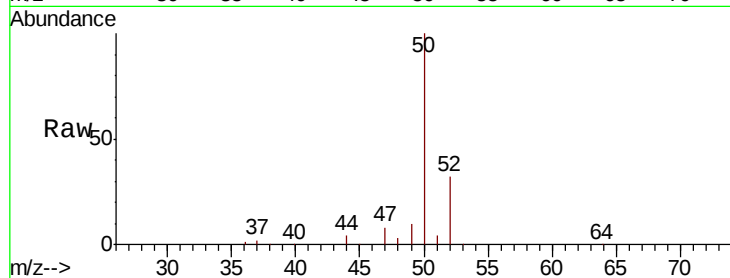
52 31.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.94 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051041.D

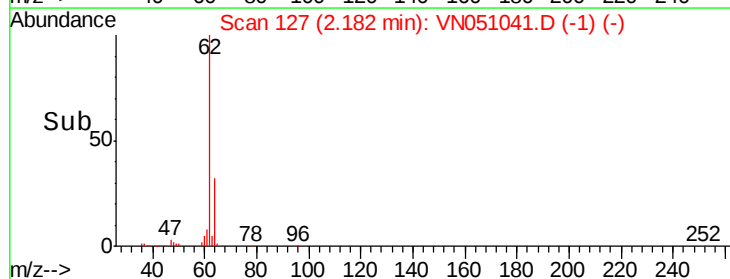
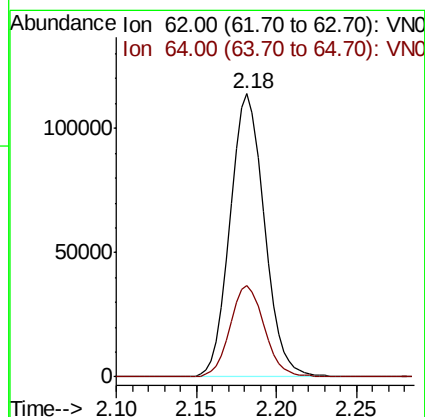
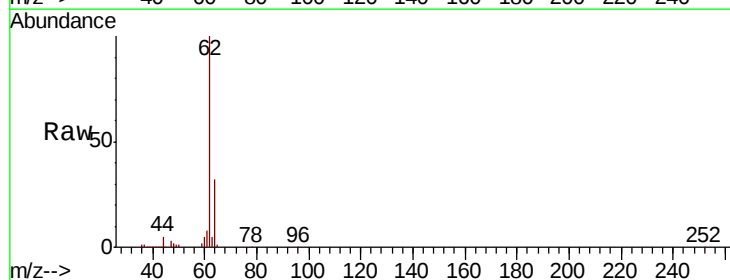
Acq: 7 Sep 2018 8:35

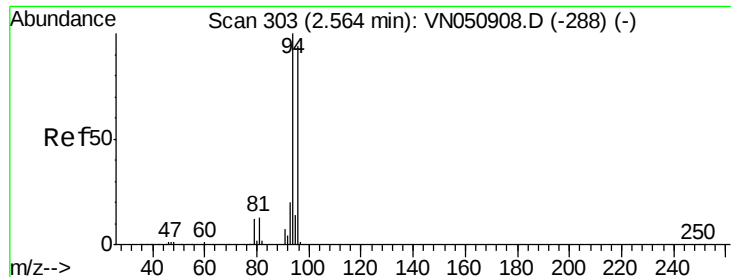
Tgt Ion: 62 Resp: 166649

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 19.73 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

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ClientSampleId :

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Tot Ion: 94 Resp: 118339

Ion Ratio Lower Upper

94 100

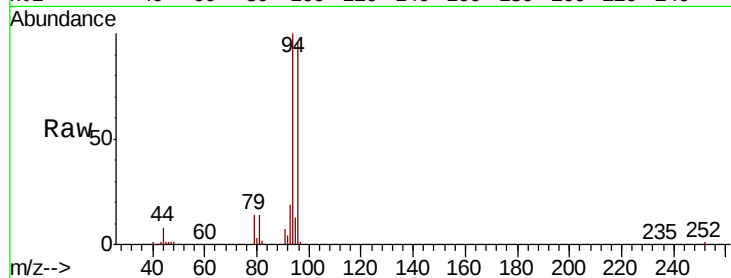
96 95.6 74.9 112.3

Manual Integrations

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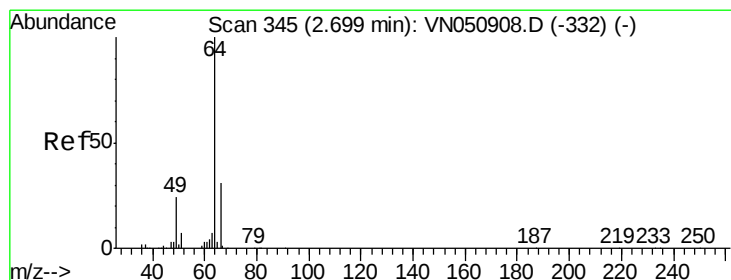
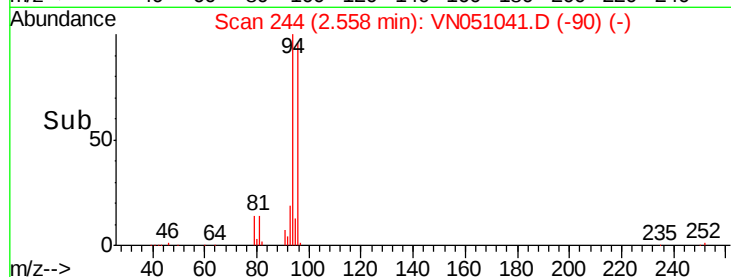
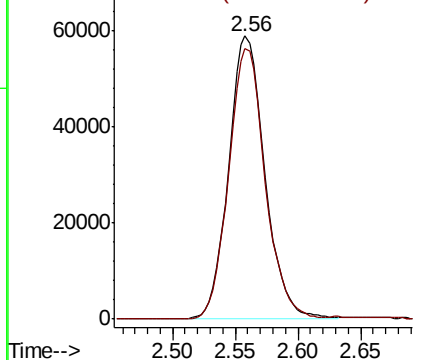
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.49 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051041.D

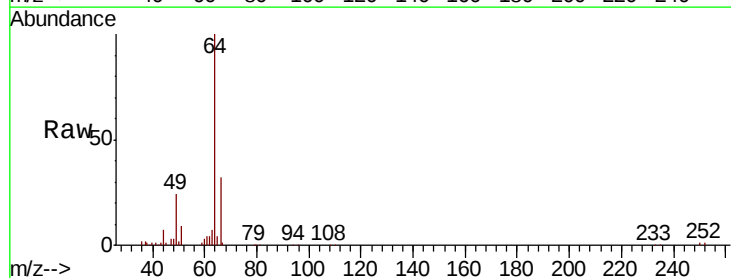
Acq: 7 Sep 2018 8:35

Tgt Ion: 64 Resp: 101522

Ion Ratio Lower Upper

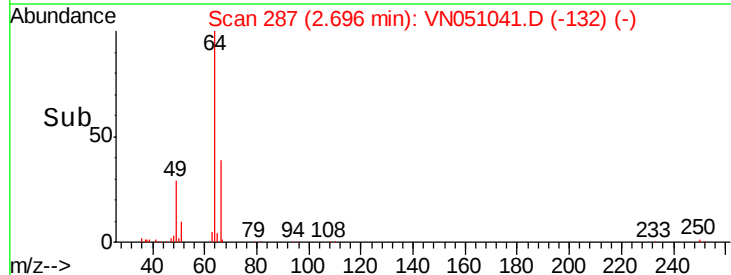
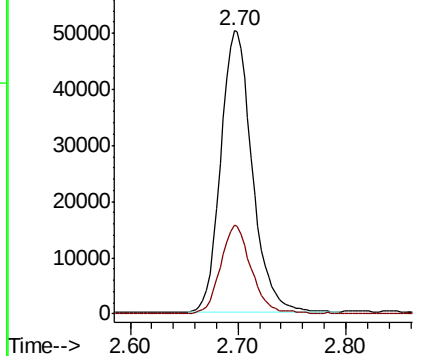
64 100

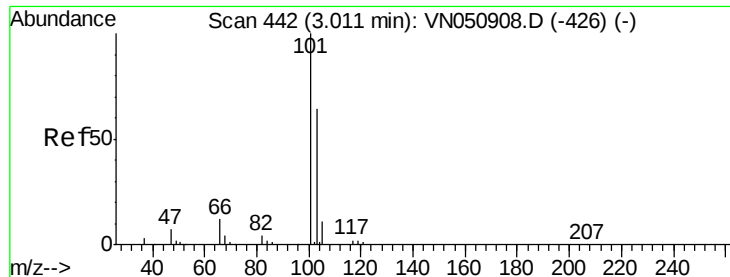
66 31.8 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

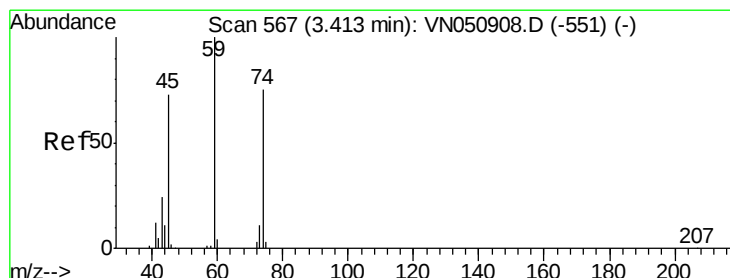
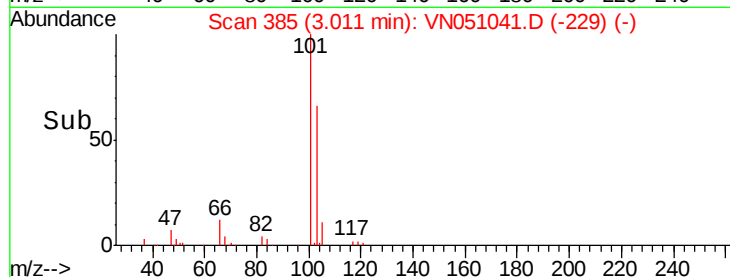
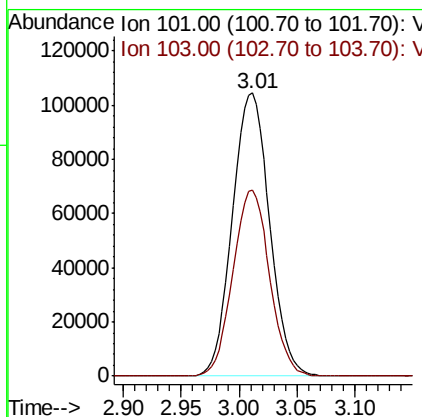
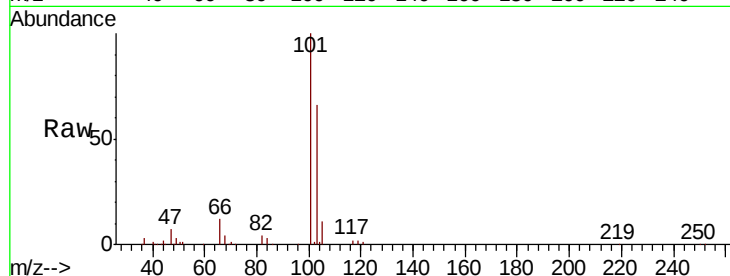
Trichlorofluoromethane
 Concen: 17.82 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		232512		
103	65.8	51.3	76.9		

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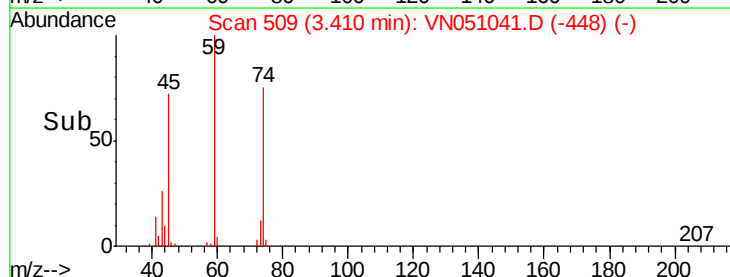
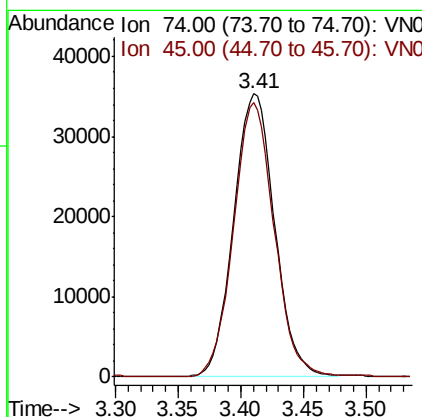
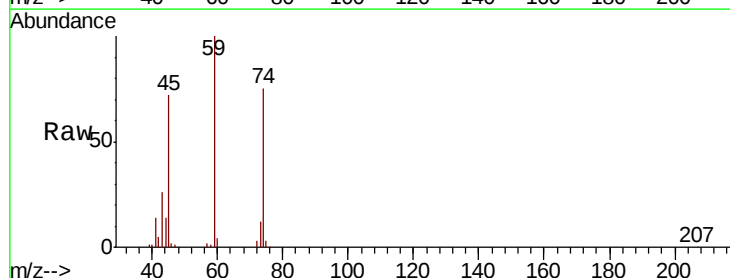
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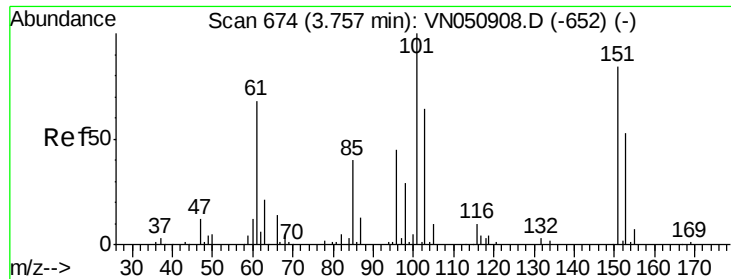


#8

Diethyl Ether
 Concen: 17.48 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		80420		
45	95.9	19.7	177.1		





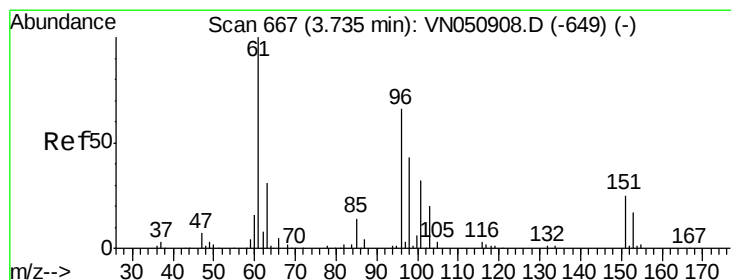
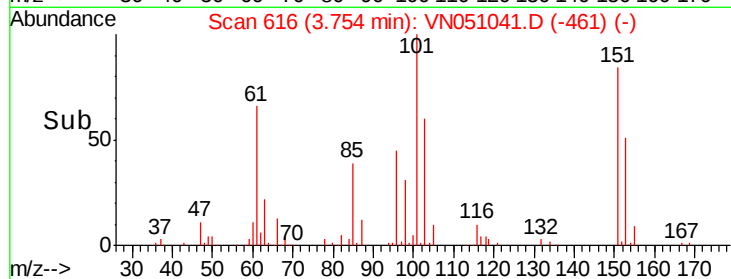
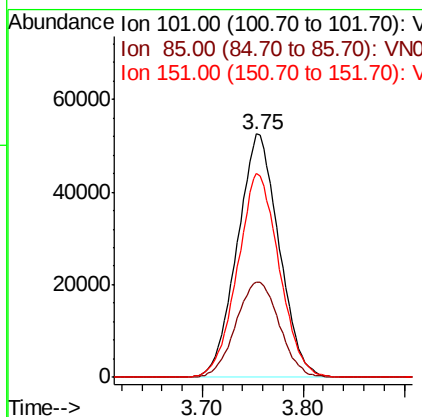
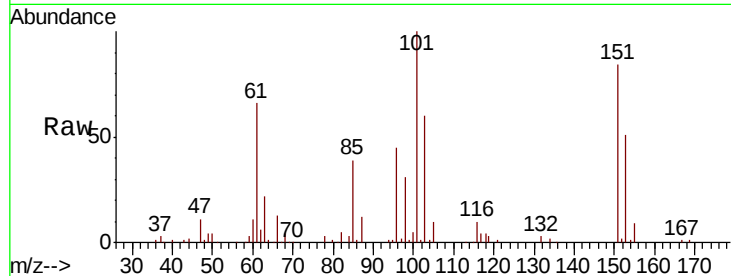
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.64 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	40.9	0.0	83.6
151	83.8	0.0	167.0

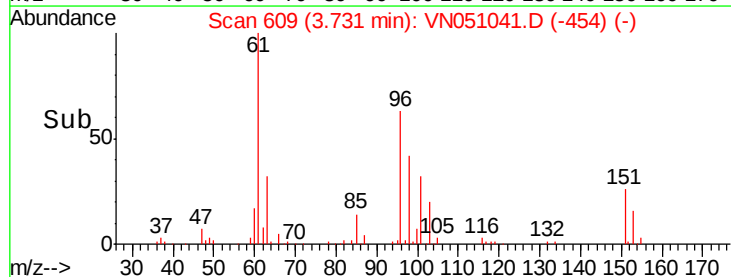
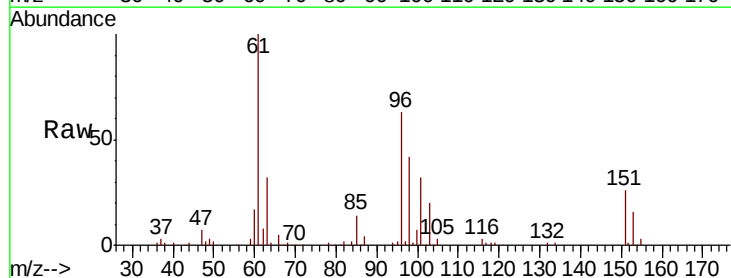
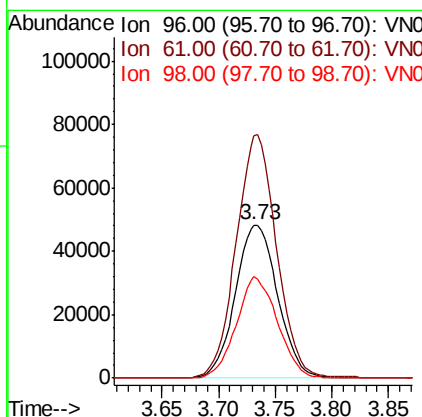
Manual Integrations
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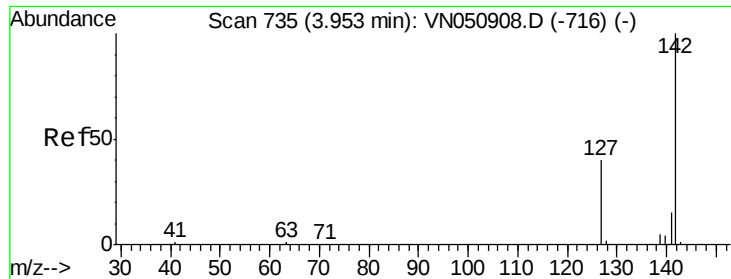
MMDadoda
 9/10/2018 11:52:58 AM



#10
 1,1-Dichloroethene
 Concen: 17.10 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	158.7	121.8	182.8
98	66.3	52.3	78.5





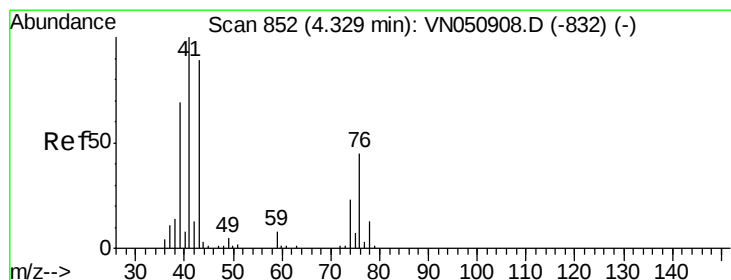
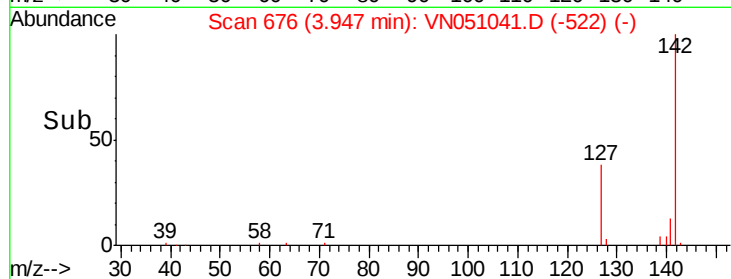
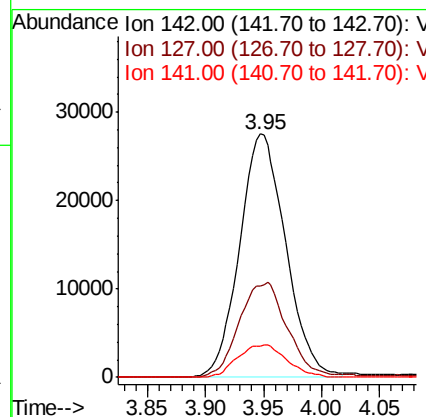
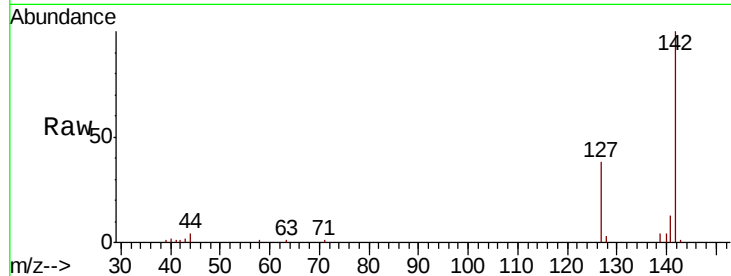
#11
Methvl Iodide
Concen: 11.10 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.3	19.7	59.1
141	12.9	7.3	22.0

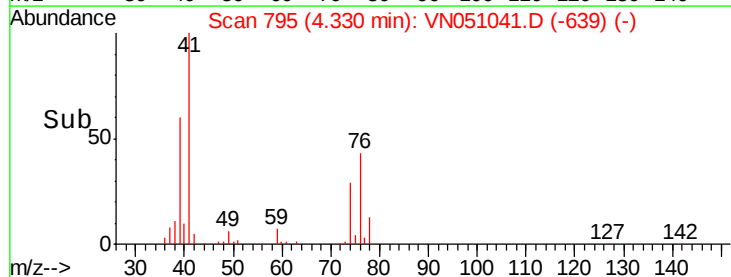
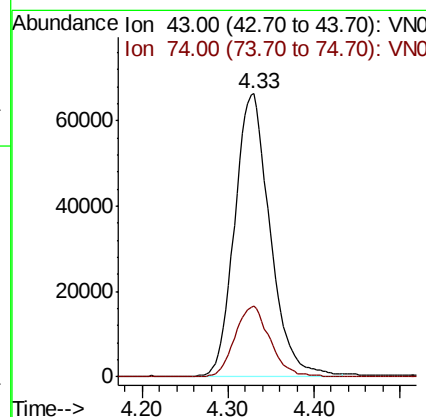
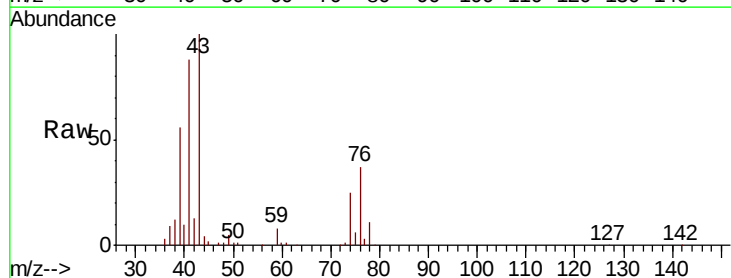
Manual Integrations
APPROVED

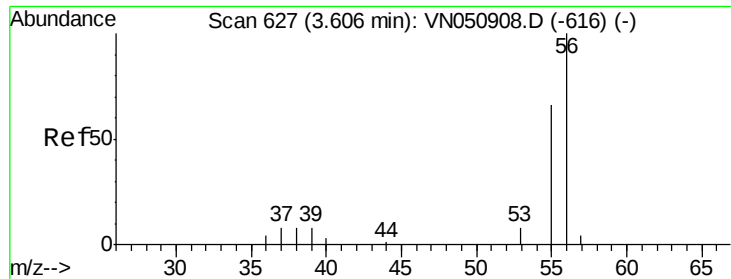
MMDadoda
9/10/2018 11:52:58 AM



#12
Methyl Acetate
Concen: 22.26 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.6	31.0





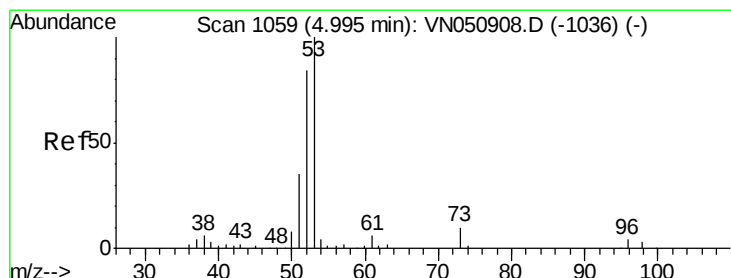
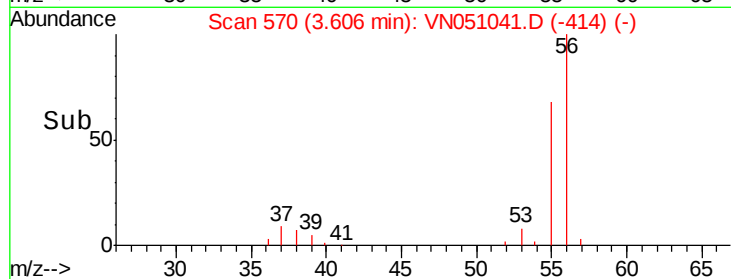
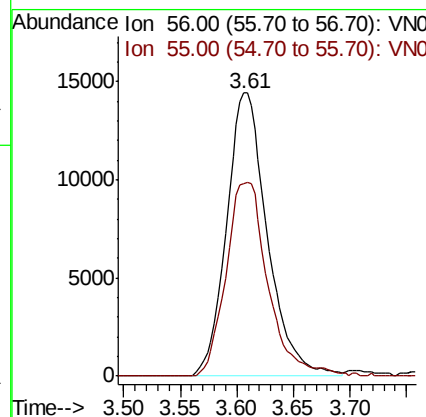
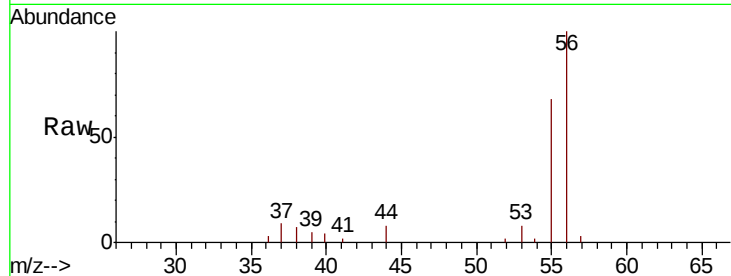
#13
Acrolein
Concen: 192.59 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.3	59.1	88.7	

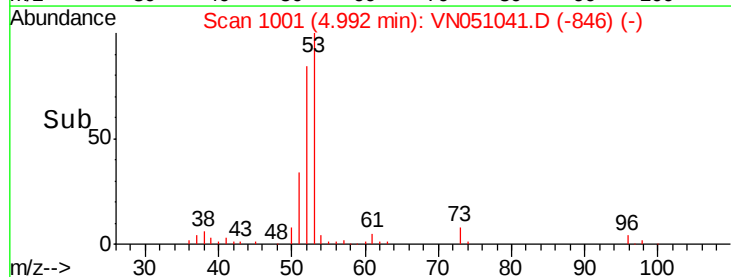
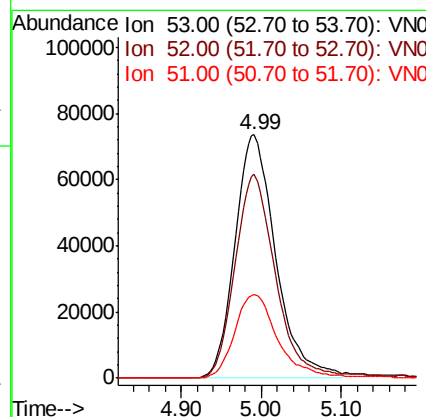
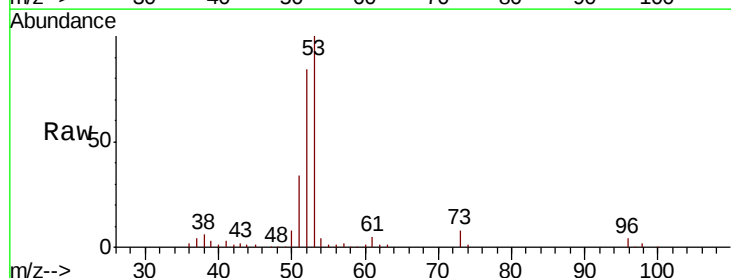
Manual Integrations
APPROVED

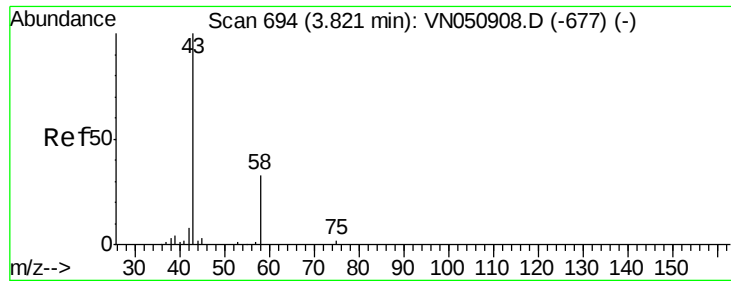
MMDadoda
9/10/2018 11:52:58 AM



#14
Acrylonitrile
Concen: 89.06 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.2	42.2	126.6	
51	36.1	17.7	53.1	





#15

Acetone

Concen: 98.50 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 72318

Ion Ratio Lower Upper

58 100

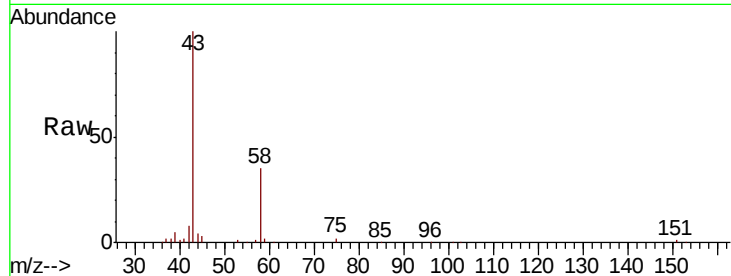
43 287.4 239.4 359.0

Manual Integrations

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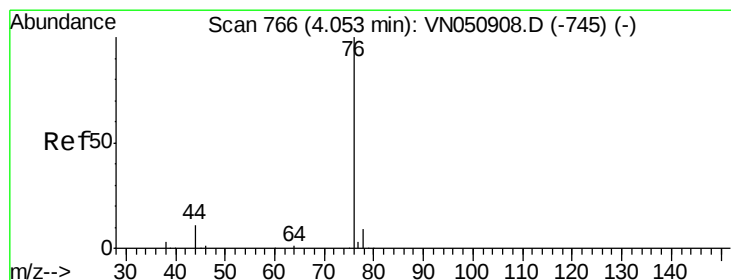
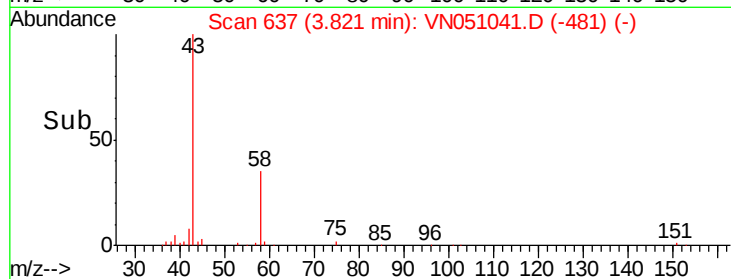
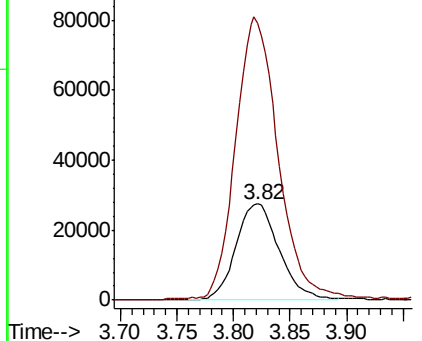
MMDadoda

9/10/2018 11:52:58 AM



Abundance Ion 58.00 (57.70 to 58.70): VN051041.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN051041.D (-677) (-)



#16

Carbon Disulfide

Concen: 15.97 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051041.D

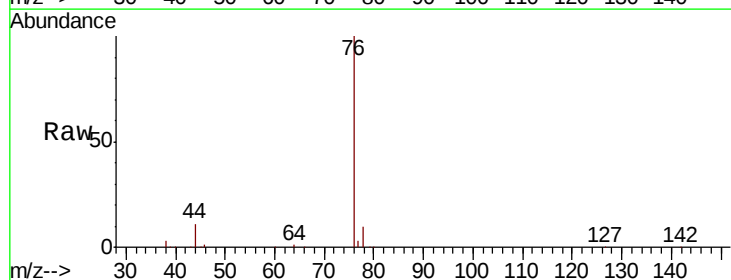
Acq: 7 Sep 2018 8:35

Tgt Ion: 76 Resp: 352312

Ion Ratio Lower Upper

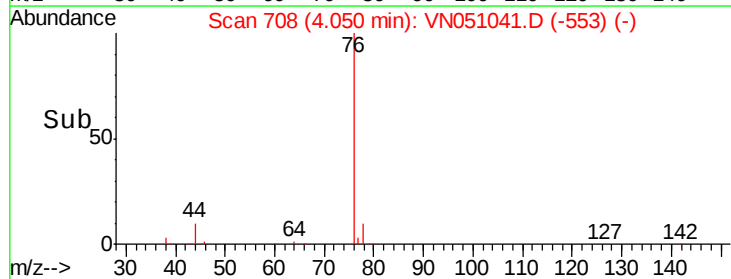
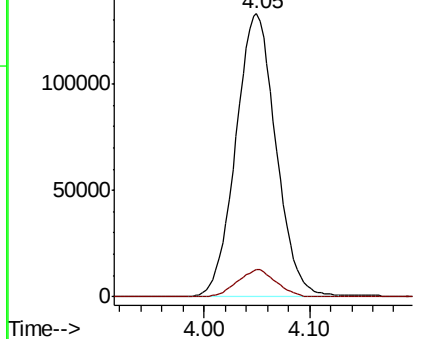
76 100

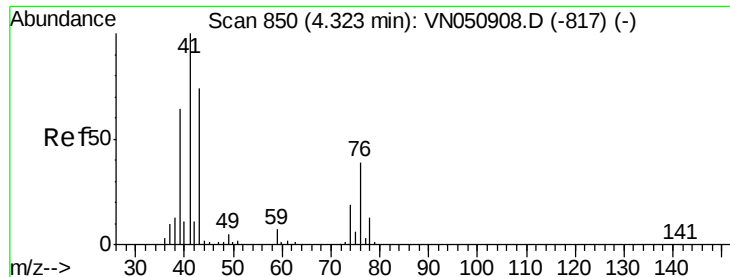
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051041.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN051041.D (-745) (-)





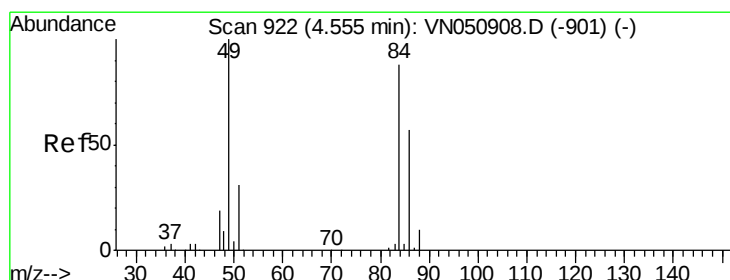
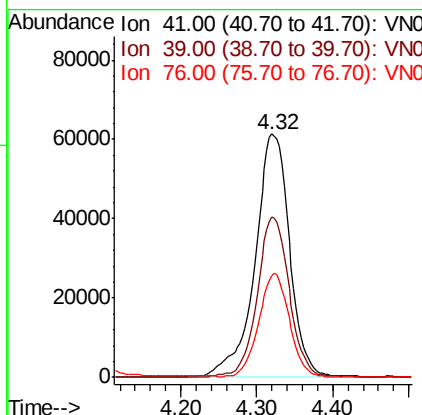
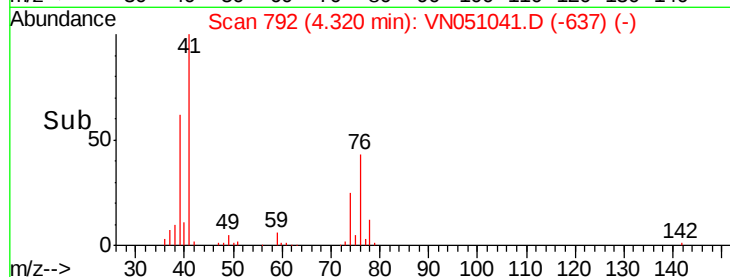
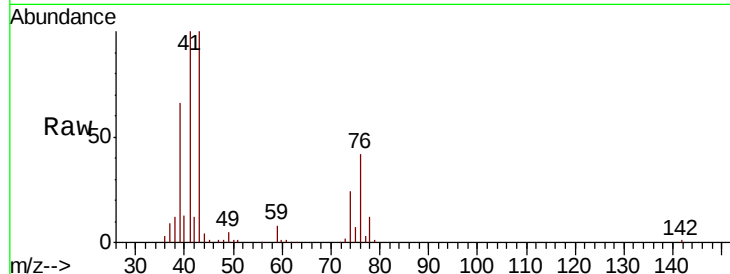
#17
Allvl chloride
Concen: 16.83 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	194339
Ion Ratio	Lower	Upper	
41	100		
39	65.7	32.2	96.6
76	41.5	19.6	58.7

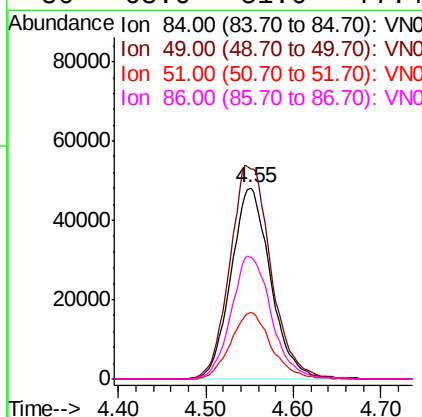
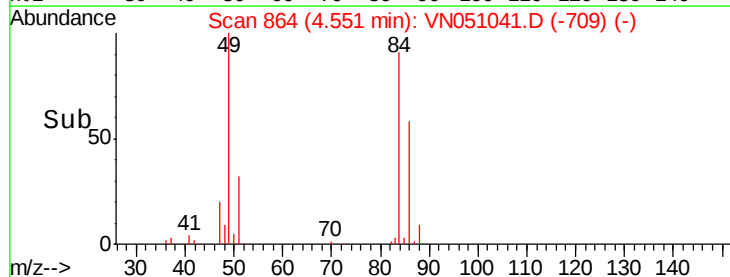
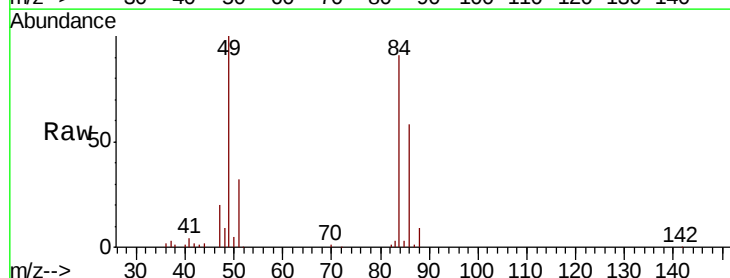
Manual Integrations
APPROVED

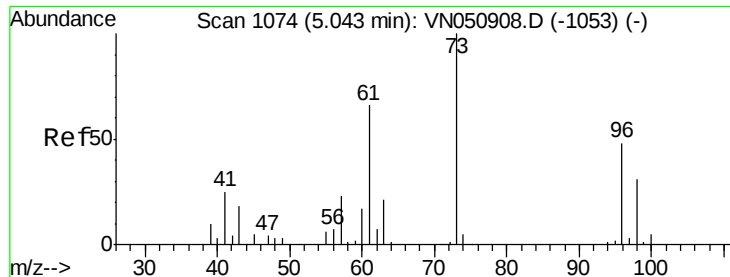
MMDadoda
9/10/2018 11:52:58 AM



#18
Methylene Chloride
Concen: 17.54 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:	84	Resp:	151091
Ion Ratio	Lower	Upper	
84	100		
49	109.9	90.6	135.8
51	34.9	28.4	42.6
86	63.6	51.6	77.4





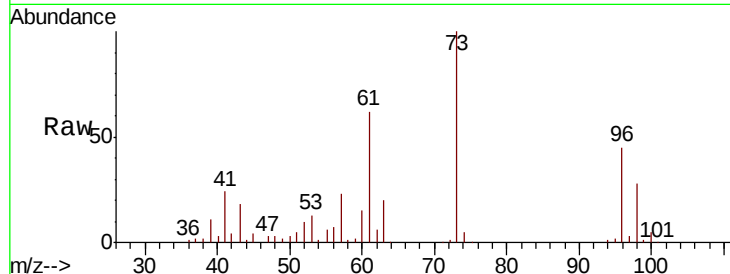
#19
trans-1,2-Dichloroethene
Concen: 17.29 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	109.5	164.3
98	63.9	51.9	77.9

Manual Integrations
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MMDadoda
9/10/2018 11:52:58 AM

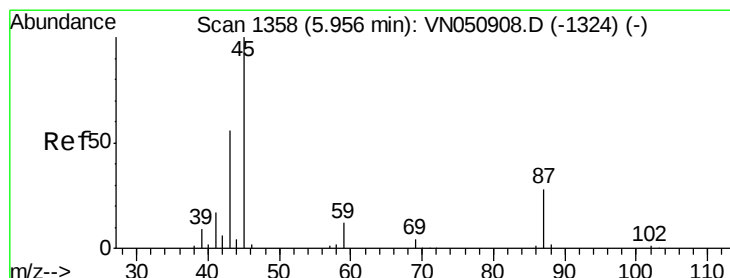
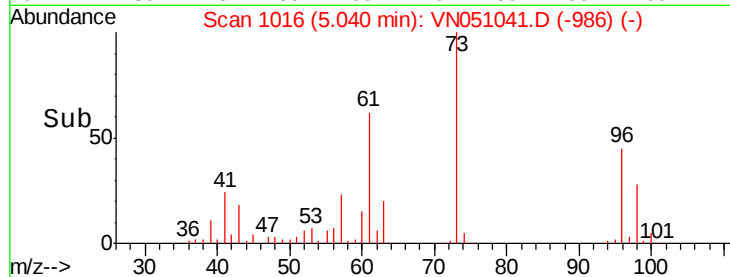
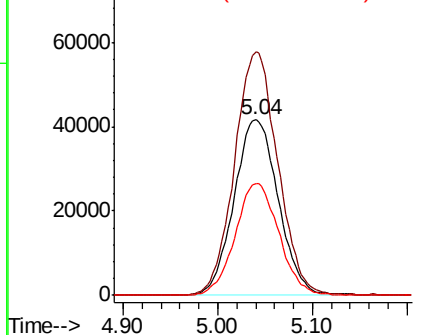


Abundance

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: 18.01 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	47.0	70.6
87	29.1	22.8	34.2
59	12.3	9.5	14.3

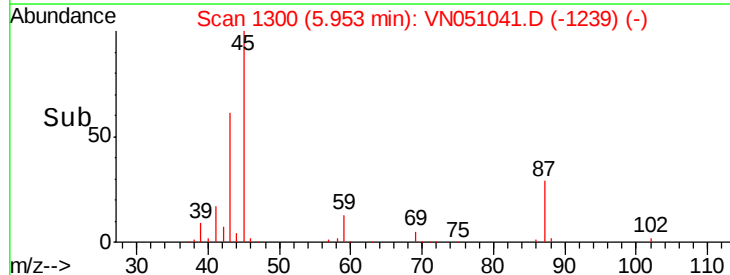
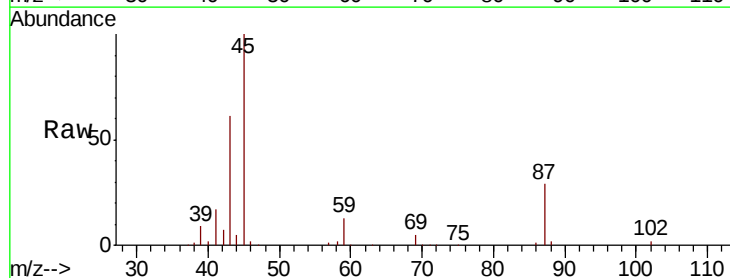
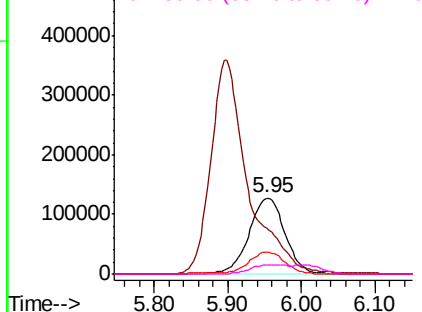
Abundance

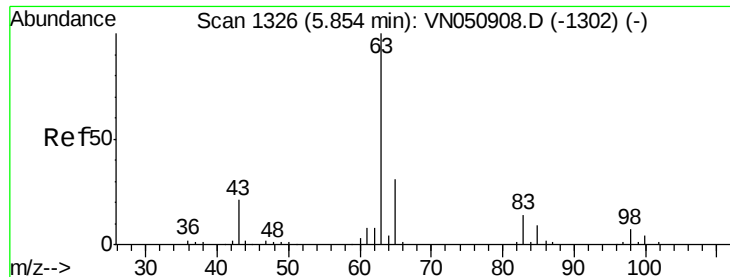
Ion 45.00 (44.70 to 45.70): VNO

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





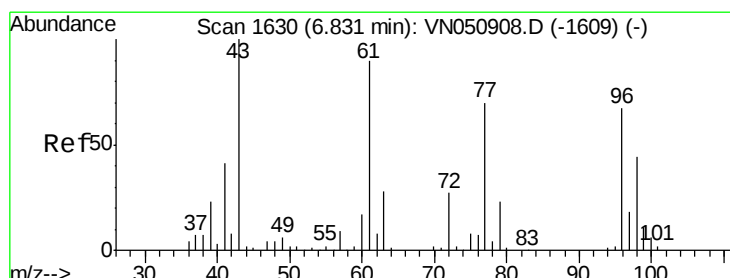
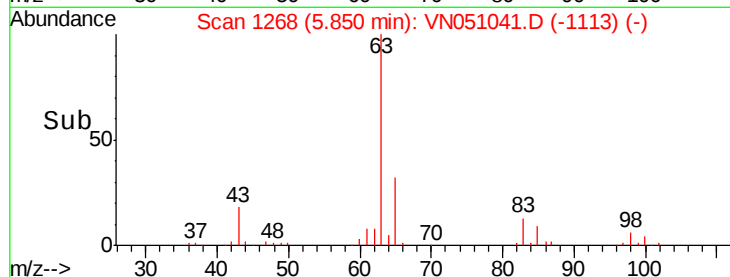
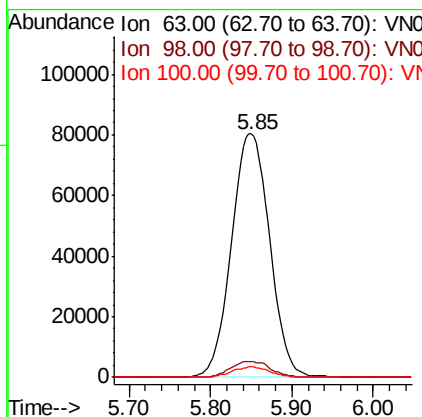
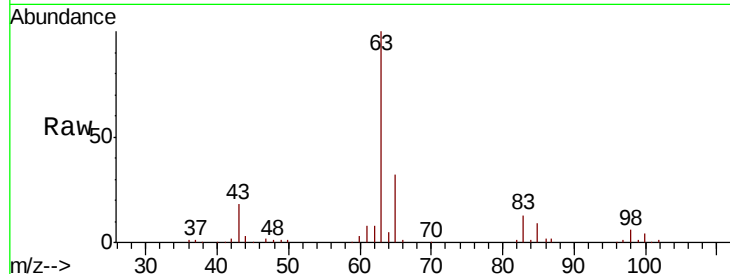
#21
 1,1-Dichloroethane
 Concen: 17.76 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	261055
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.3	9.9
100	4.5	2.0	6.0

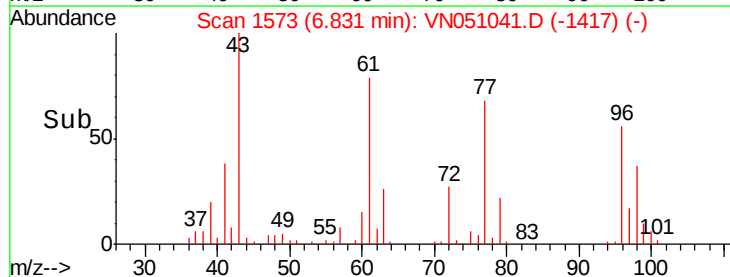
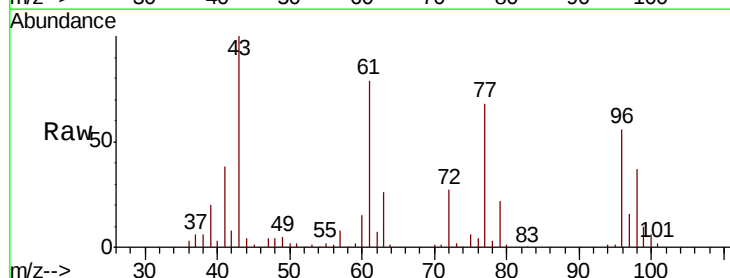
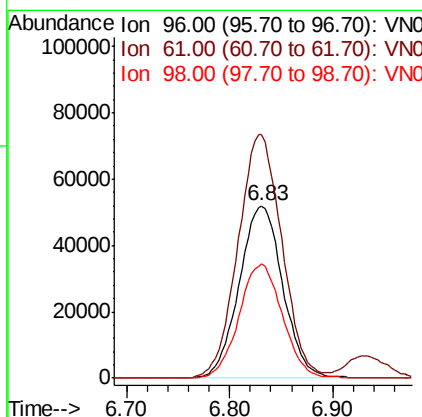
Manual Integrations
 APPROVED

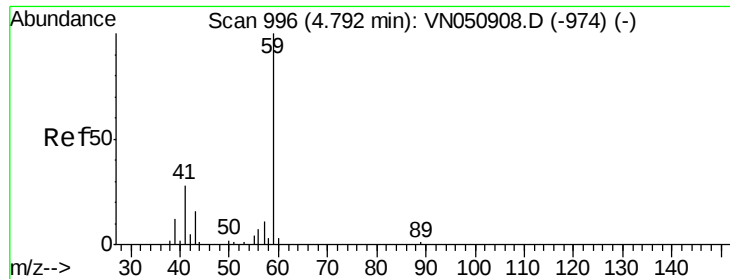
MMDadoda
 9/10/2018 11:52:58 AM



#22
 cis-1,2-Dichloroethene
 Concen: 17.24 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	96	Resp	152276
Ion Ratio	Lower	Upper	
96	100		
61	142.2	110.0	165.0
98	66.2	51.7	77.5





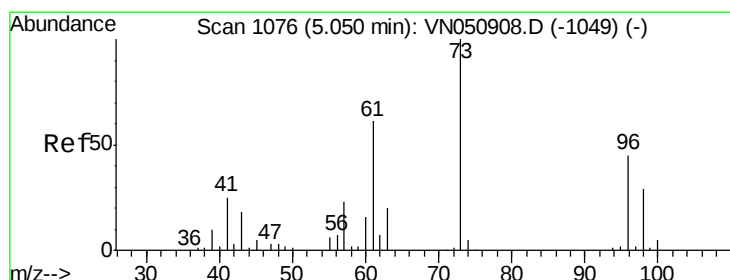
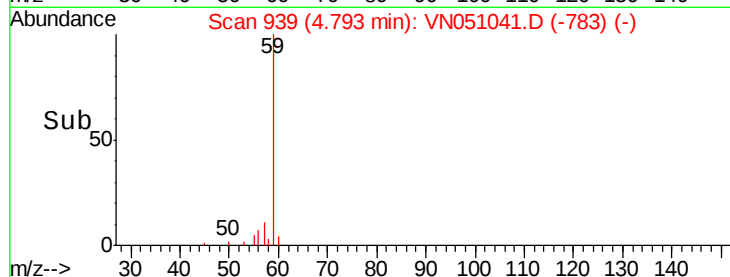
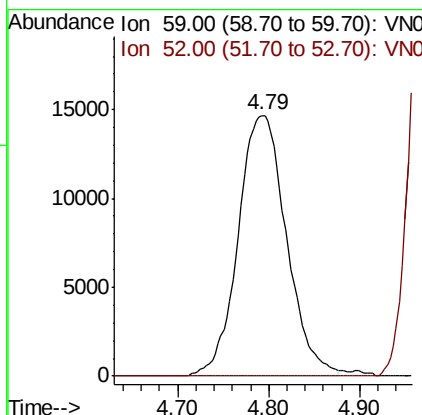
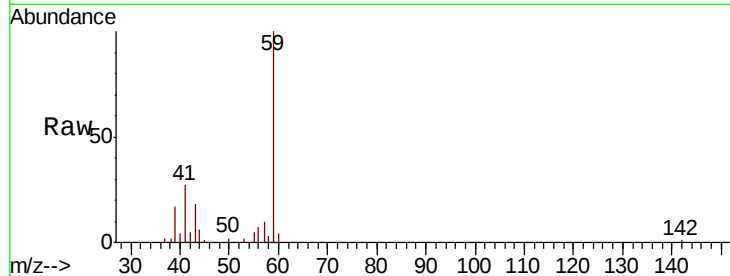
#23
 tert-Butyl Alcohol
 Concen: 88.53 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 54016
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

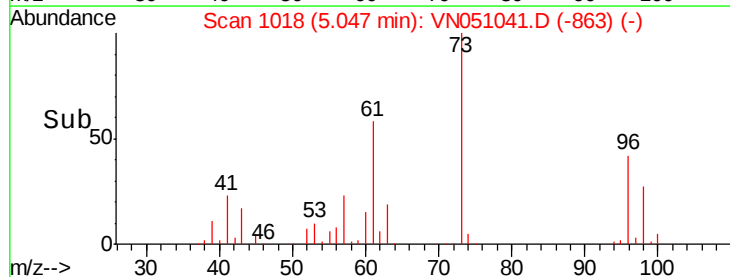
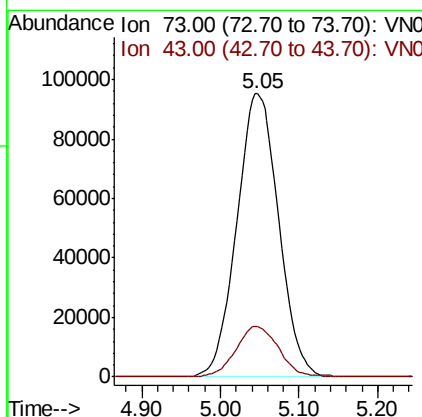
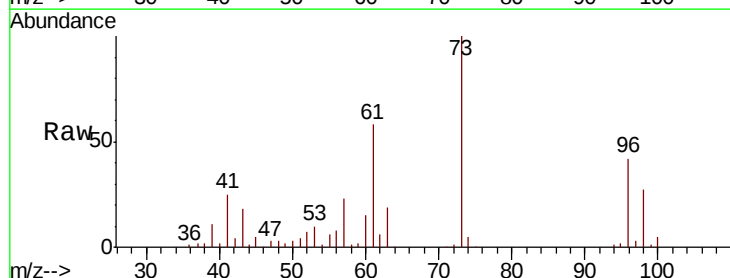
Manual Integrations
 APPROVED

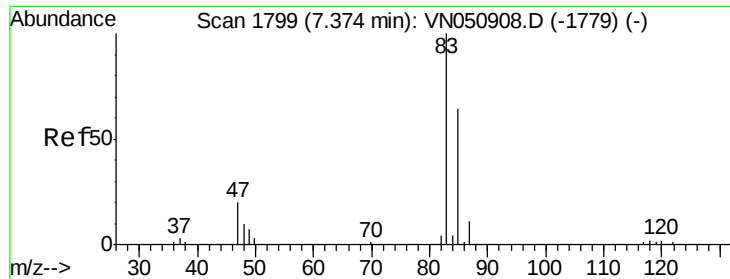
MMDadoda
 9/10/2018 11:52:58 AM



#24
 Methyl tert-Butyl Ether
 Concen: 17.71 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 73 Resp: 355544
 Ion Ratio Lower Upper
 73 100
 43 18.1 14.4 21.6





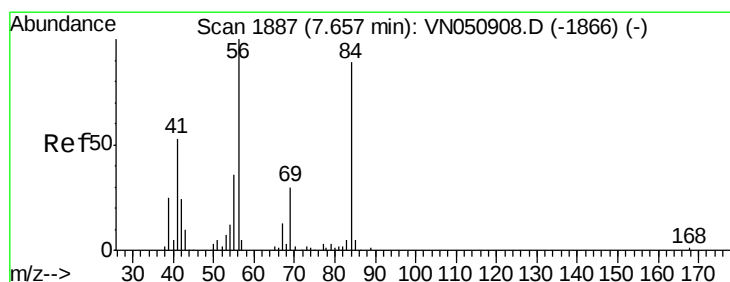
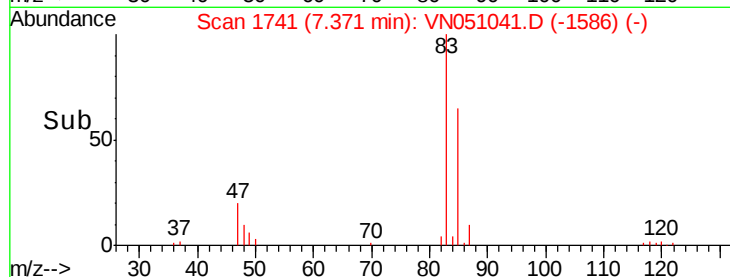
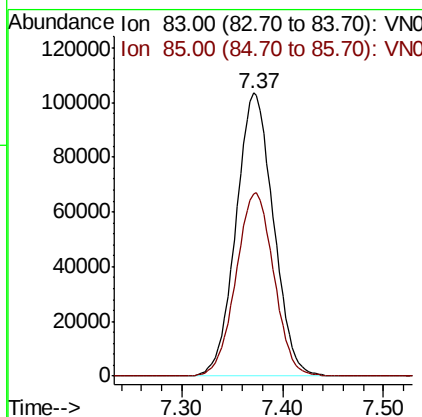
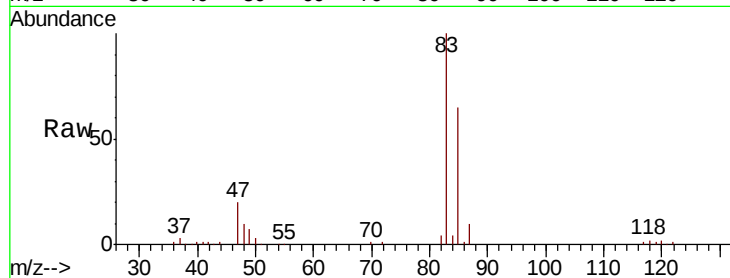
#25
Chloroform
Concen: 18.13 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 83 Resp: 265938
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0

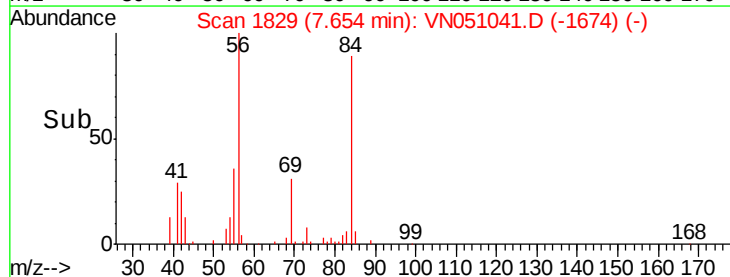
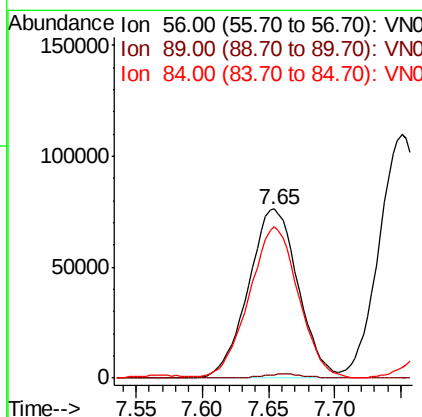
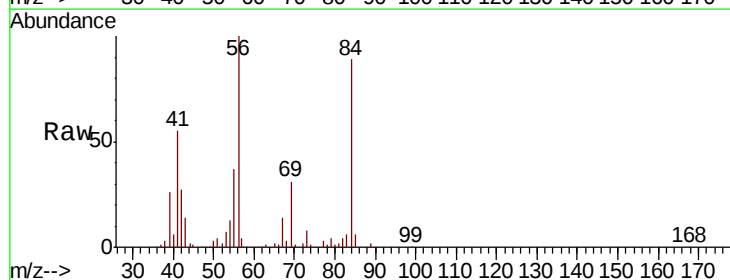
Manual Integrations
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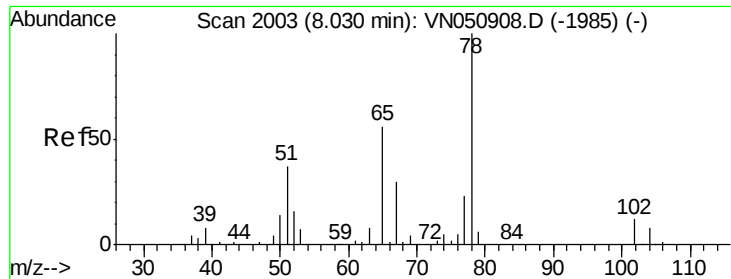
MMDadoda
9/10/2018 11:52:58 AM



#26
Cyclohexane
Concen: 16.41 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 56 Resp: 199836
Ion Ratio Lower Upper
56 100
89 2.0 0.4 0.6#
84 88.5 70.4 105.6





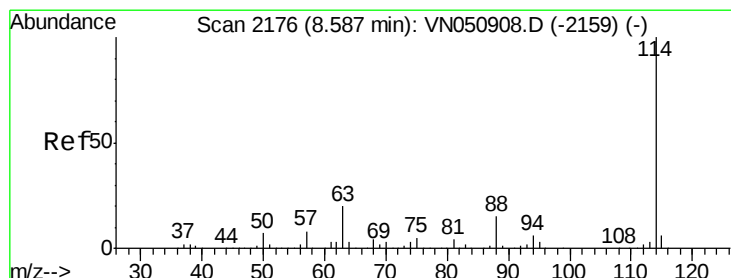
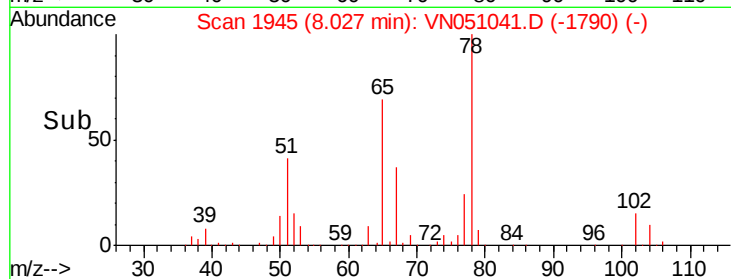
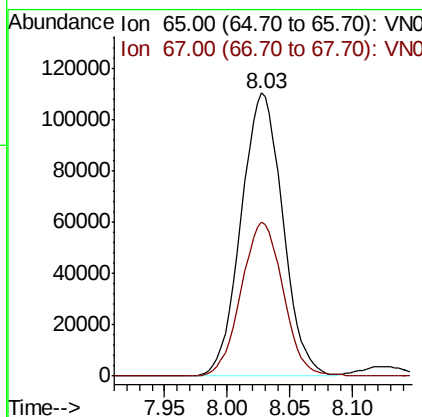
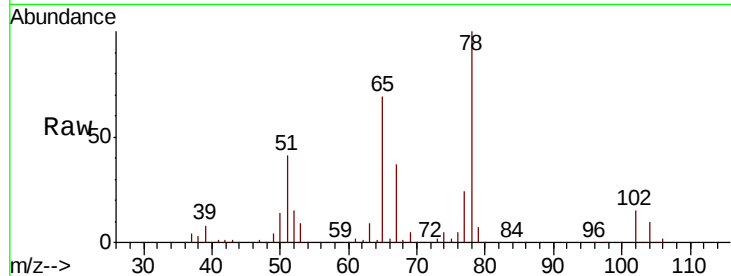
#27
 1,2-Dichloroethane-d4
 Concen: 29.51 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 255739
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.7 65.5

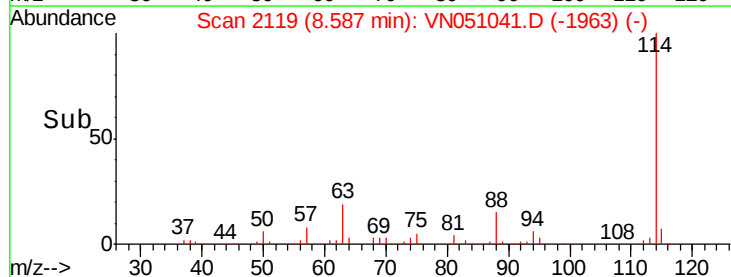
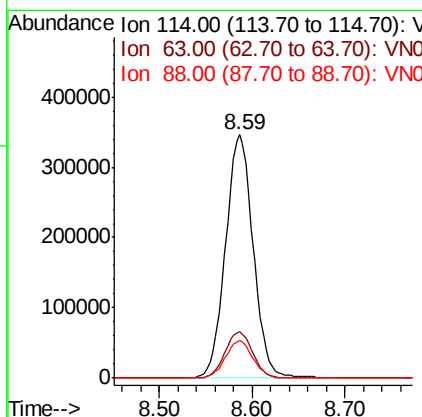
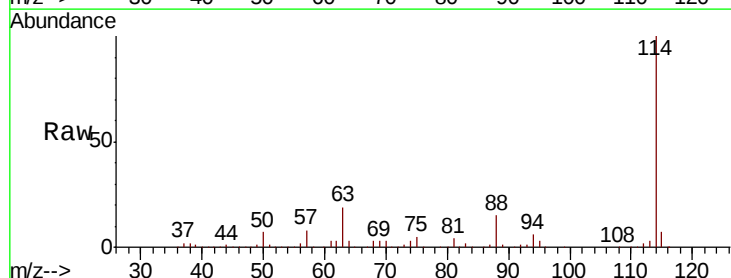
Manual Integrations
 APPROVED

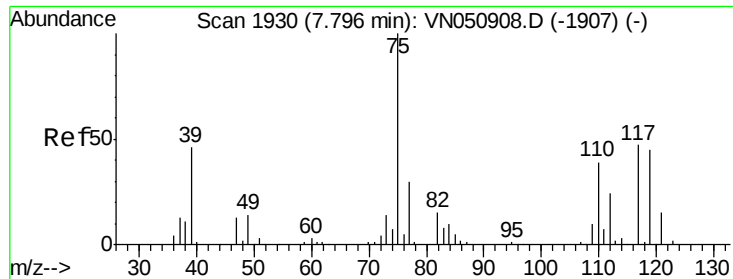
MMDadoda
 9/10/2018 11:52:58 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 114 Resp: 715608
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.1 12.2 18.4





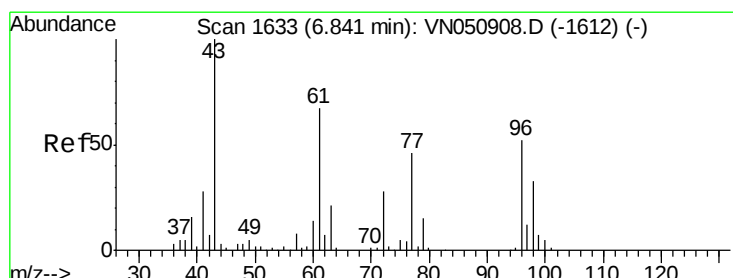
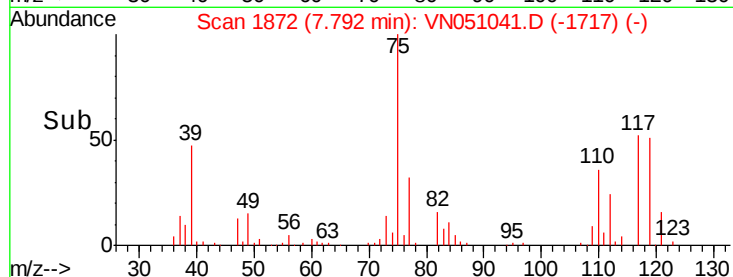
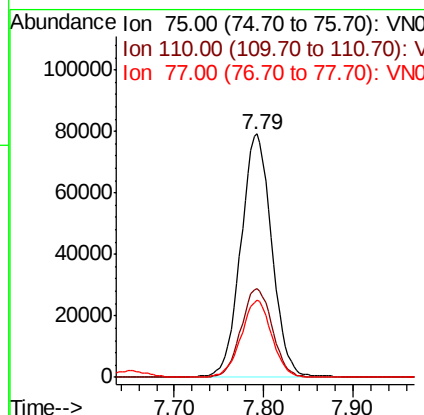
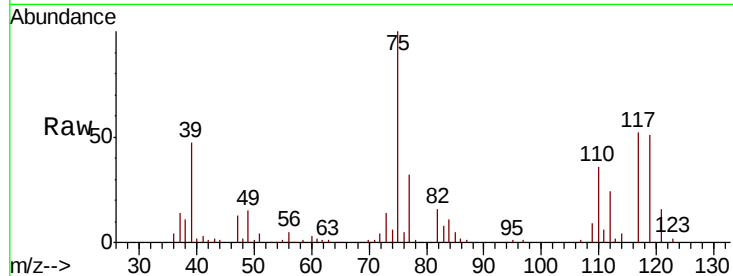
#29
 1,1-Dichloropropene
 Concen: 17.89 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	191661		
110	36.7	0.0	75.0	
77	31.5	0.0	60.6	

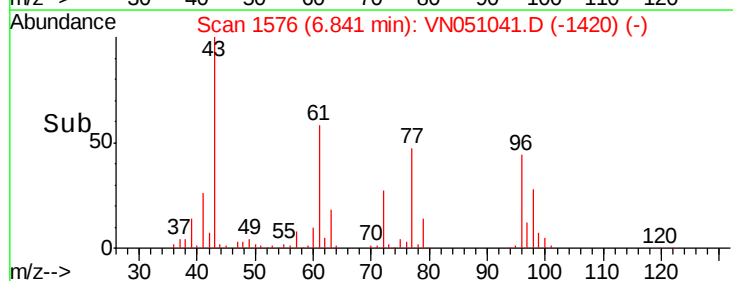
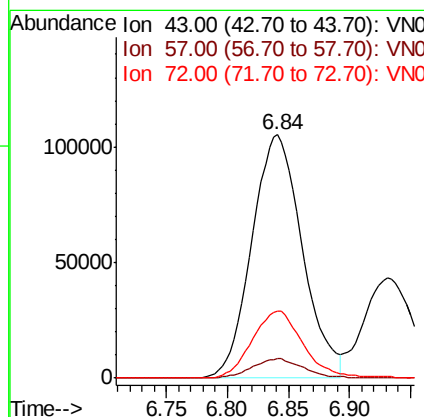
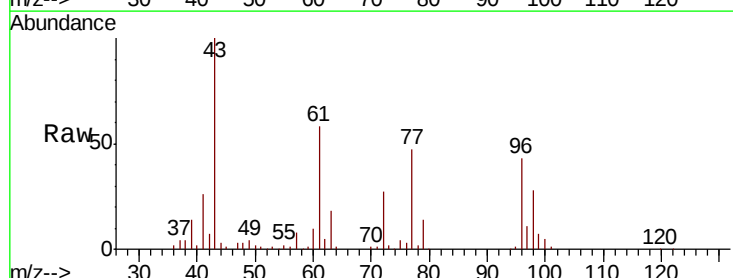
Manual Integrations
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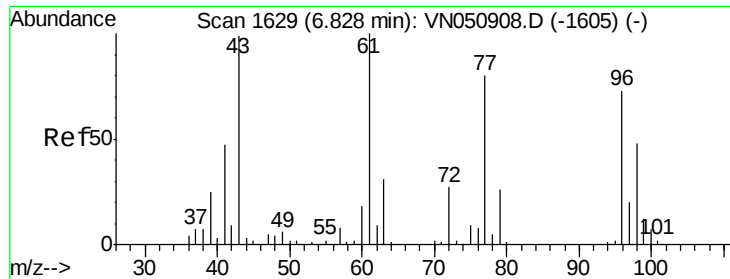
MMDadoda
 9/10/2018 11:52:58 AM



#30
 2-Butanone
 Concen: 91.88 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	302800		
57	8.0	6.9	10.3	
72	27.7	22.8	34.2	





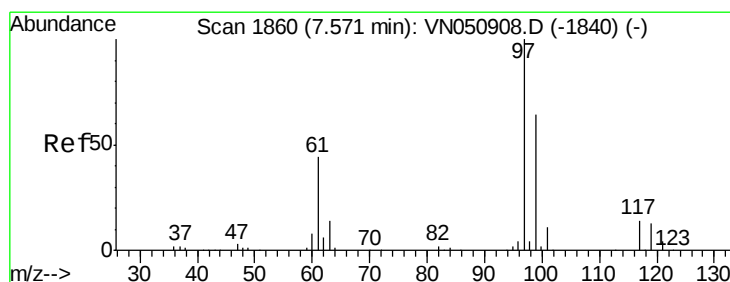
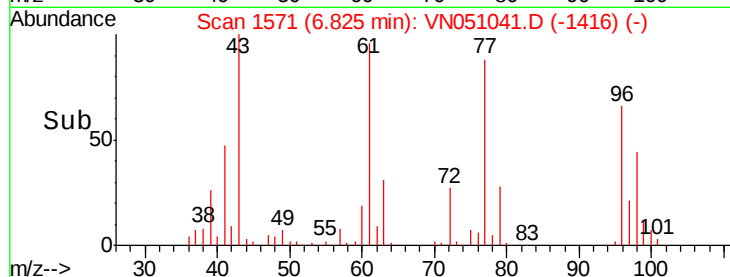
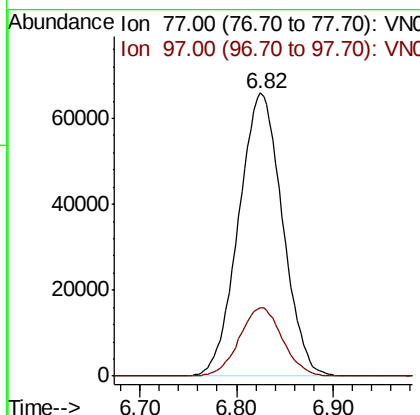
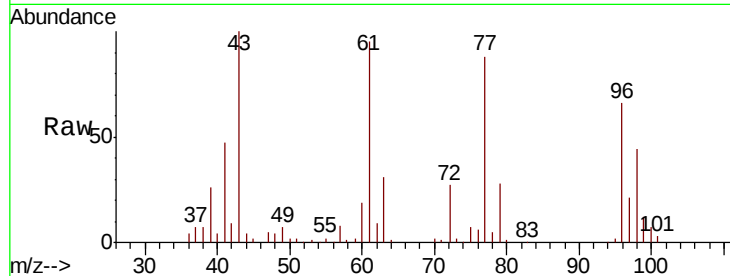
#31
 2,2-Dichloropropane
 Concen: 19.87 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 207185
 Ion Ratio Lower Upper
 77 100
 97 23.7 20.2 30.2

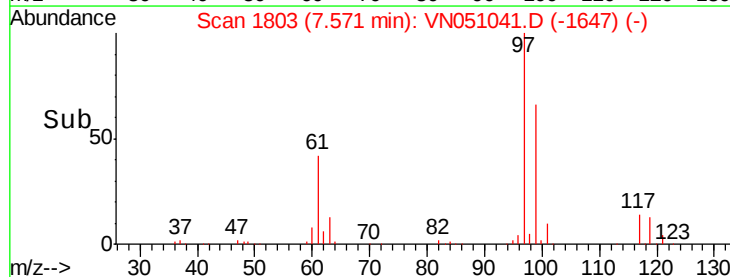
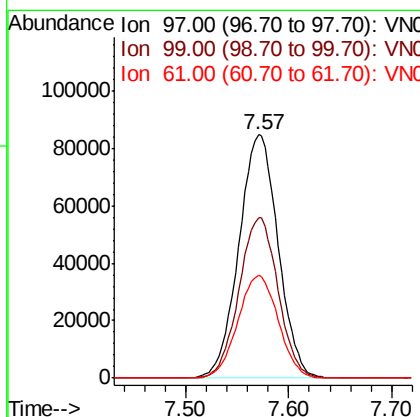
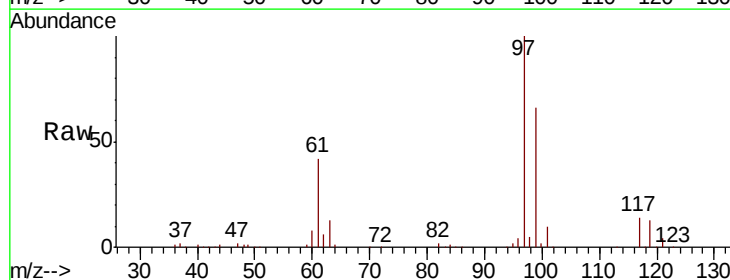
Manual Integrations
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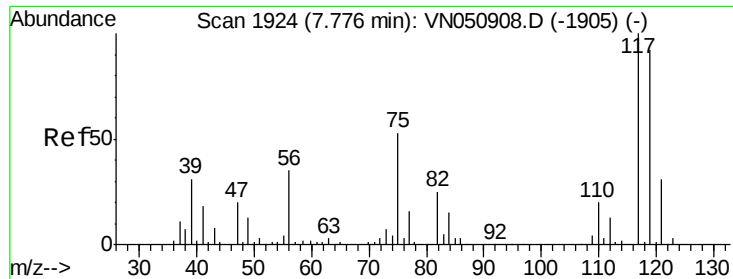
MMDadoda
 9/10/2018 11:52:58 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.45 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 97 Resp: 224096
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.0 78.0
 61 43.4 35.0 52.6





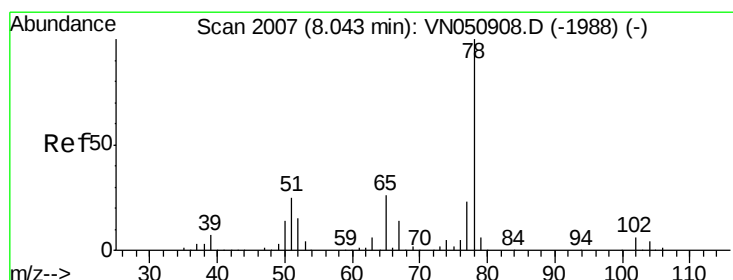
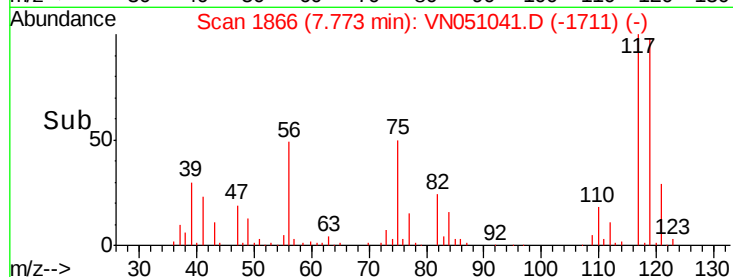
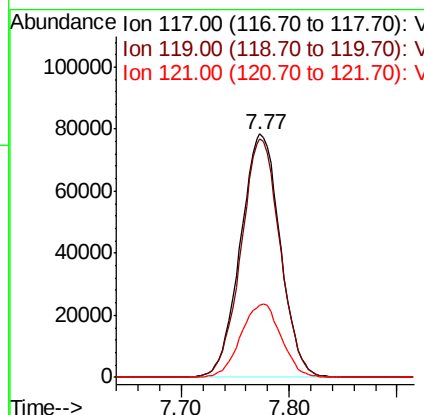
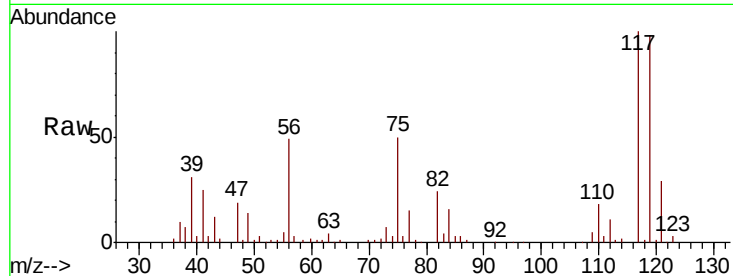
#33
Carbon Tetrachloride
Concen: 18.35 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.8	73.5	110.3
121	29.4	24.6	37.0

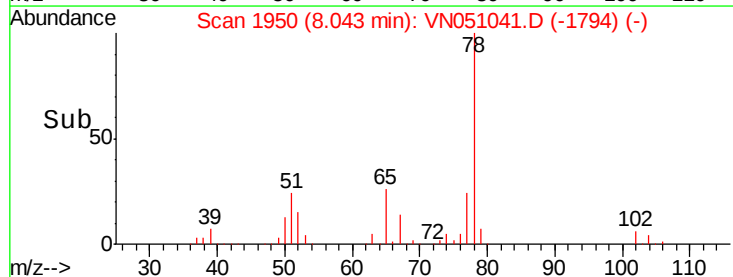
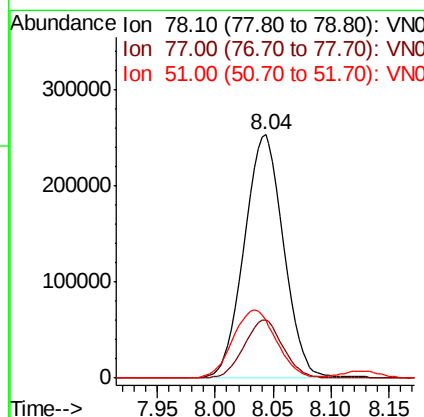
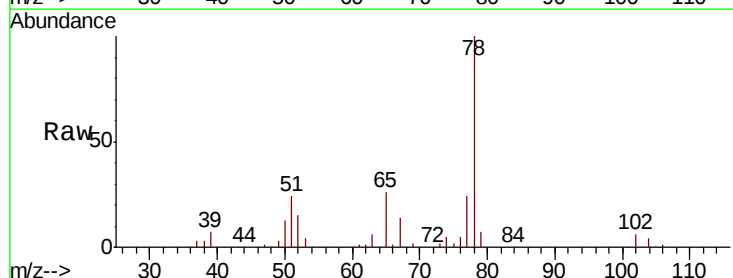
Manual Integrations
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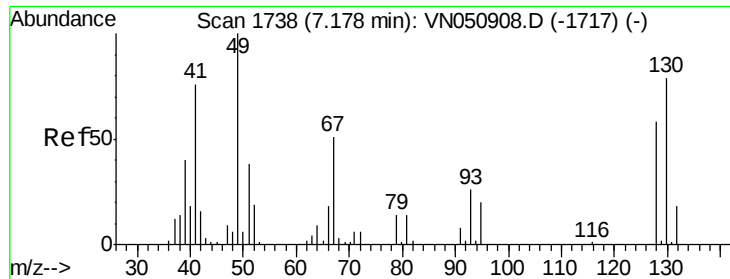
MMDadoda
9/10/2018 11:52:58 AM



#34
Benzene
Concen: 18.03 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0
51	23.6	20.0	30.0





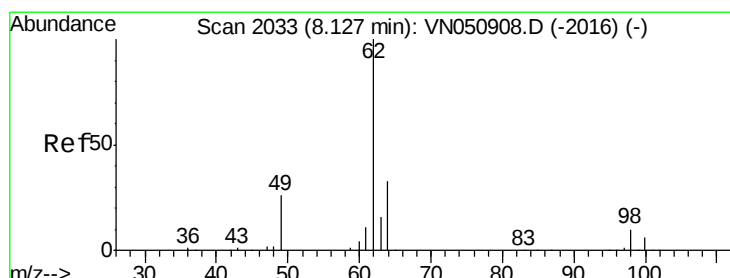
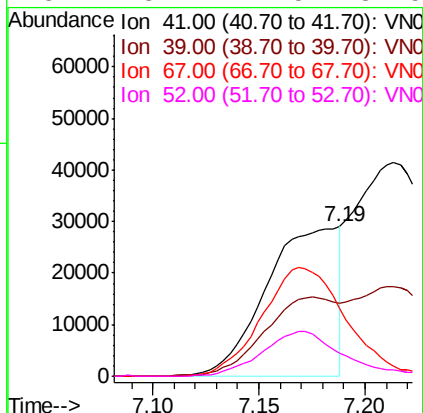
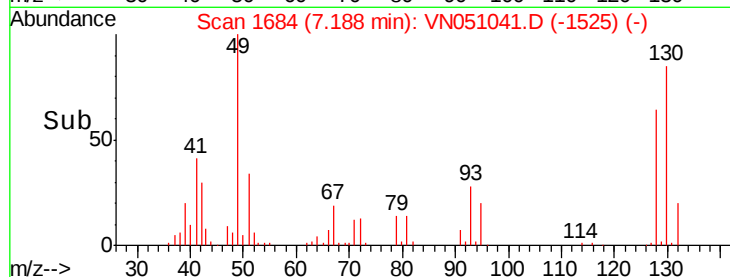
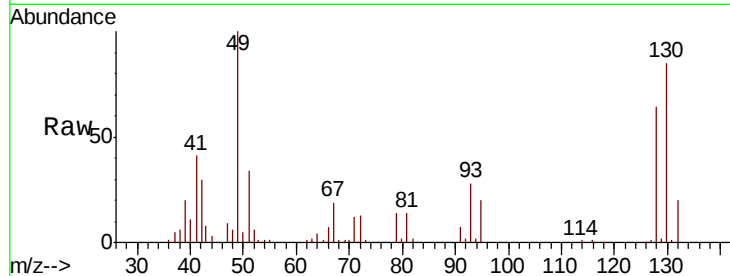
#35
Methacrylonitrile
Concen: 19.07 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	68874
Ion	Ratio	Lower	Upper
41	100		
39	48.7	26.2	78.5
67	45.5	33.9	101.6
52	15.7	12.5	37.5

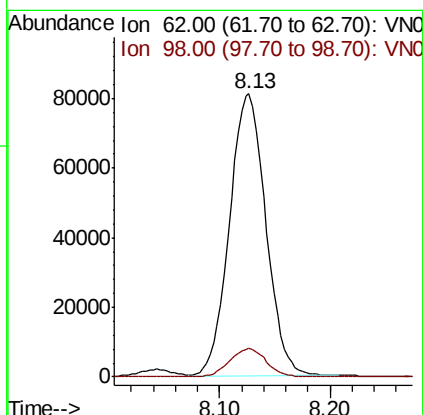
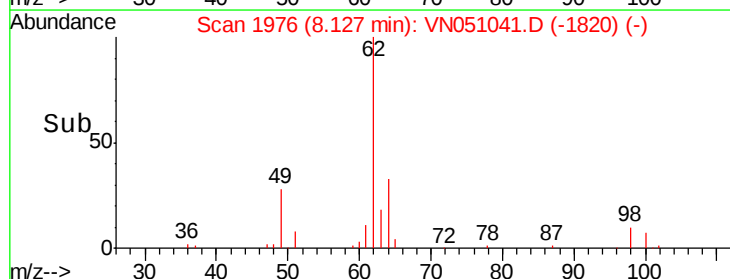
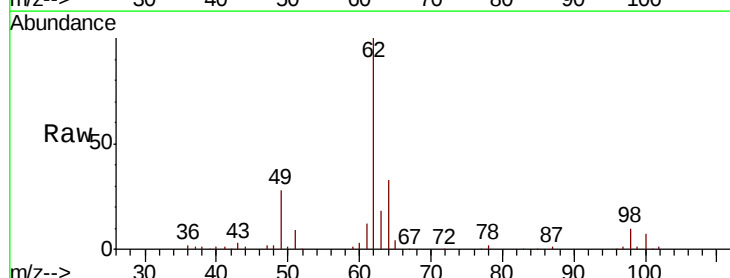
Manual Integrations
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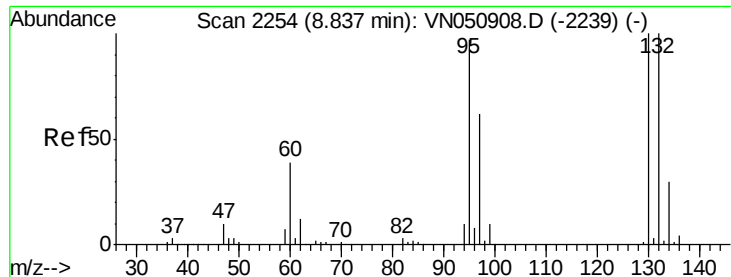
MMDadoda
9/10/2018 11:52:58 AM



#36
1,2-Dichloroethane
Concen: 18.50 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:	62	Resp:	185435
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





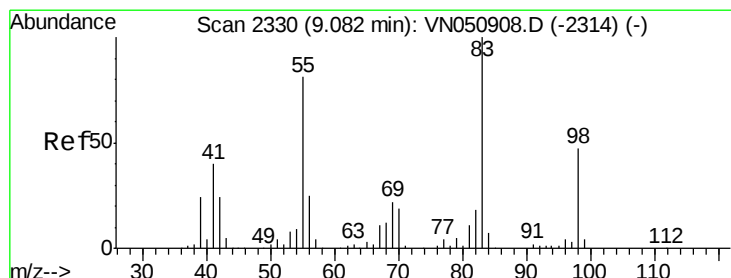
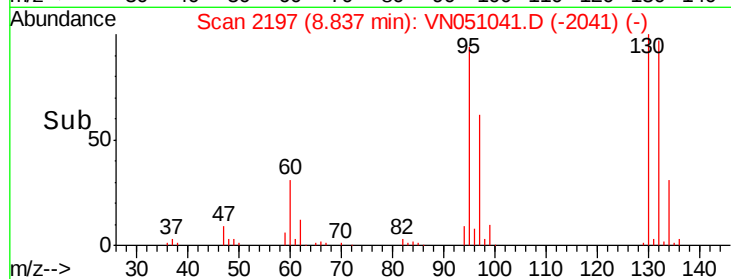
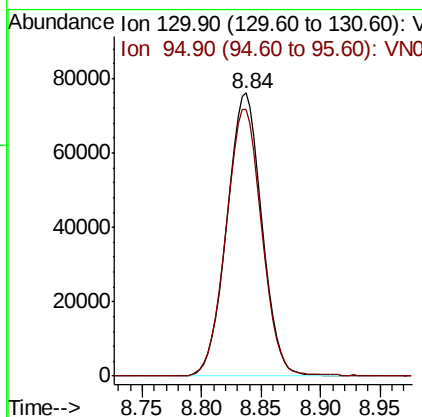
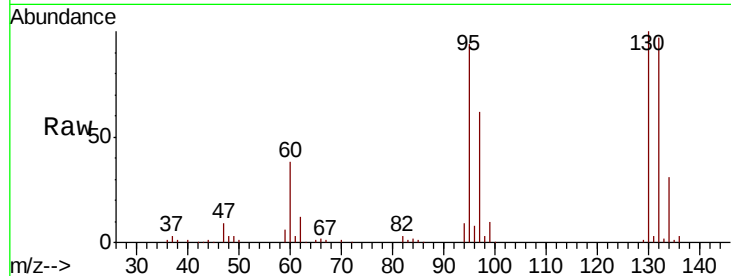
#37
 Trichloroethene
 Concen: 17.90 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 155074
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0

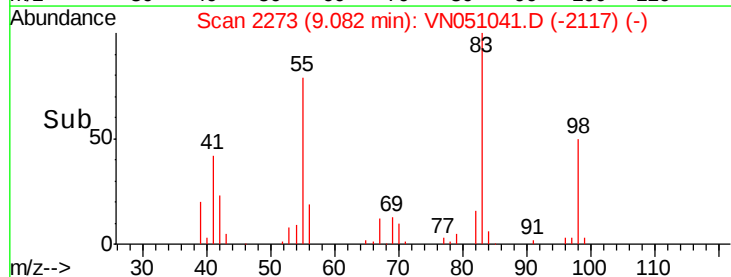
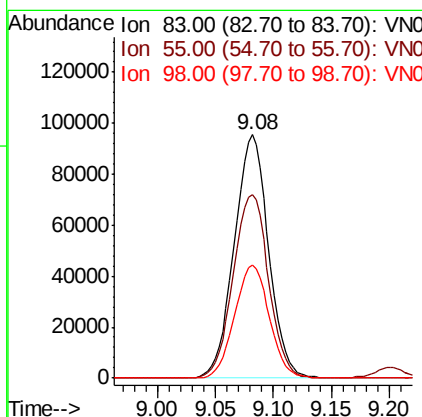
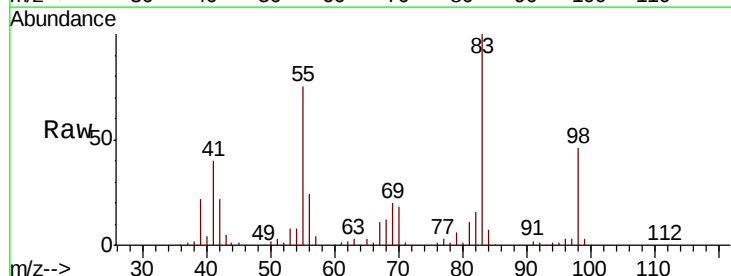
Manual Integrations
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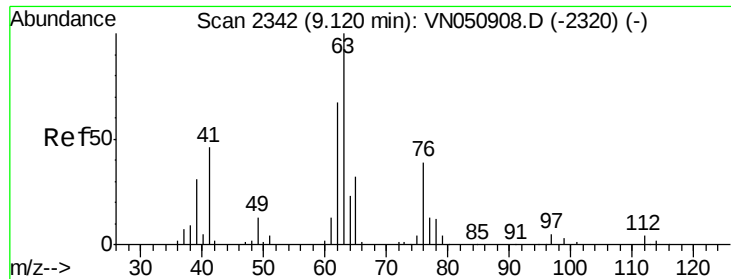
MMDadoda
 9/10/2018 11:52:58 AM



#38
 Methylcyclohexane
 Concen: 17.08 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 83 Resp: 196509
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.9 116.7
 98 47.0 22.9 68.7





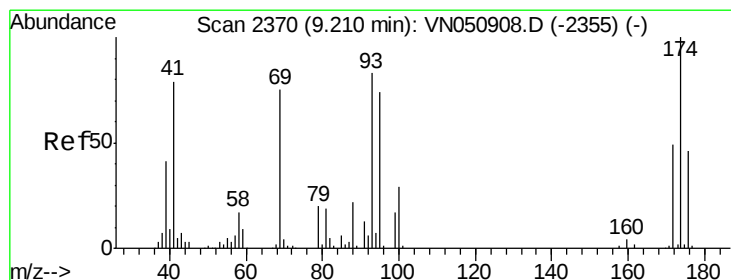
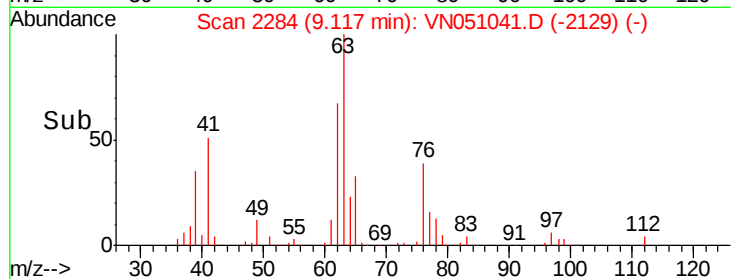
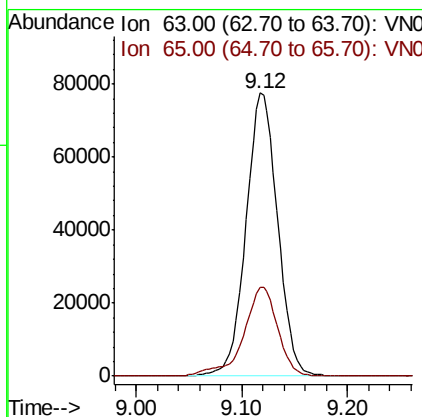
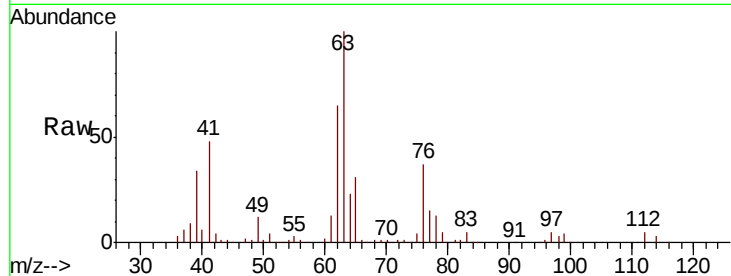
#39
 1,2-Dichloropropane
 Concen: 18.71 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 63 Resp: 161984
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

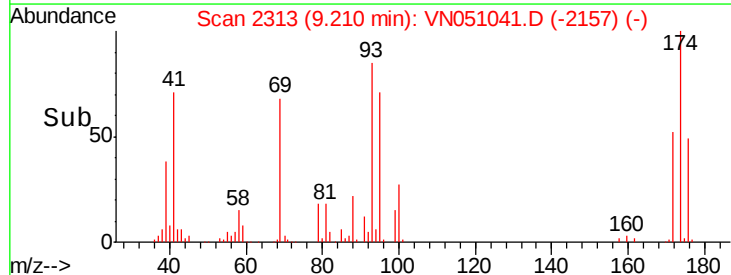
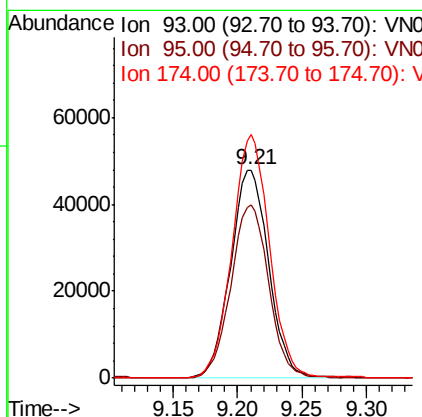
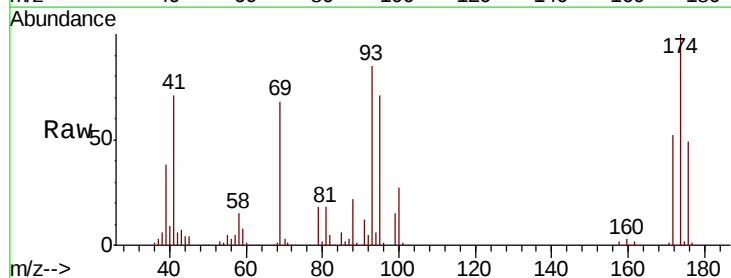
Manual Integrations
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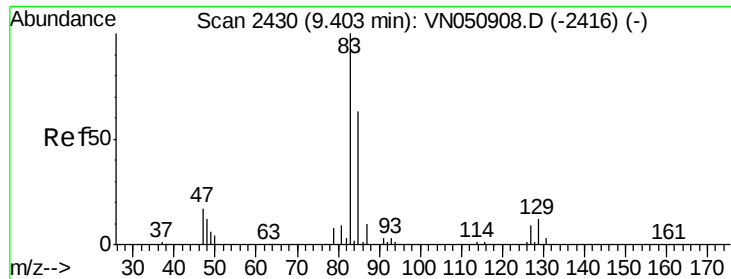
MMDadoda
 9/10/2018 11:52:58 AM



#40
 Dibromomethane
 Concen: 18.90 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 93 Resp: 98536
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 173.4
 174 114.5 0.0 234.8





#41

Bromodichloromethane

Concen: 18.33 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

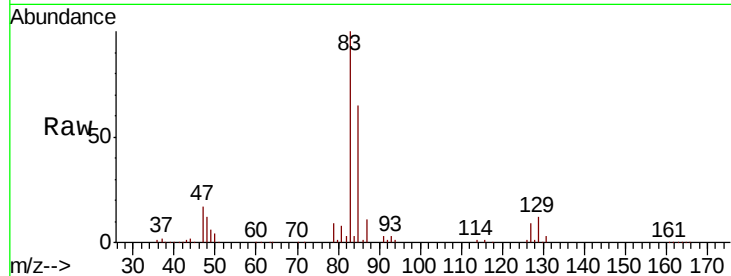
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VSTDCCC020

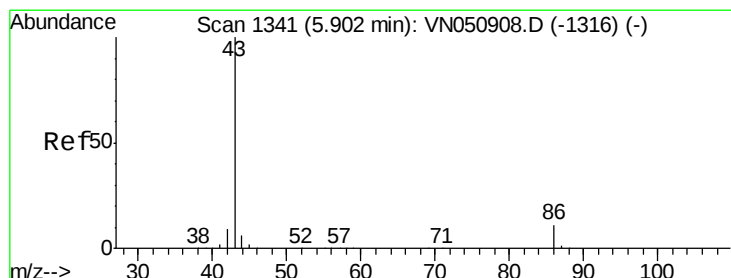
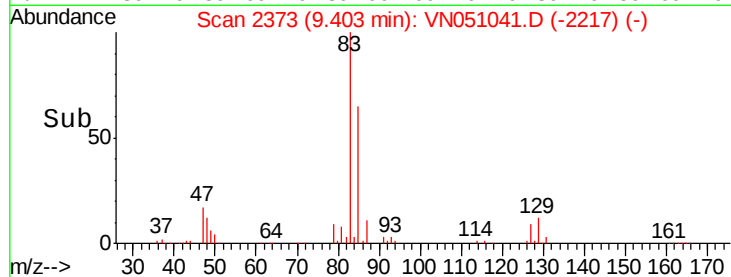
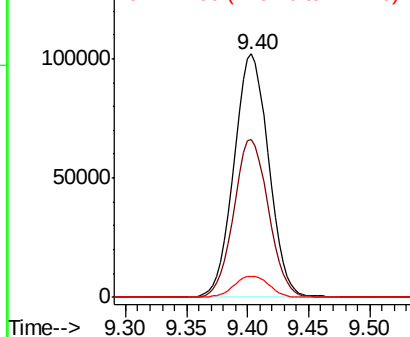
Tot Ion:	83	Resp:	201508
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.6	76.0
127	8.8	7.1	10.7

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



#42

Vinyl Acetate

Concen: 82.77 ug/l

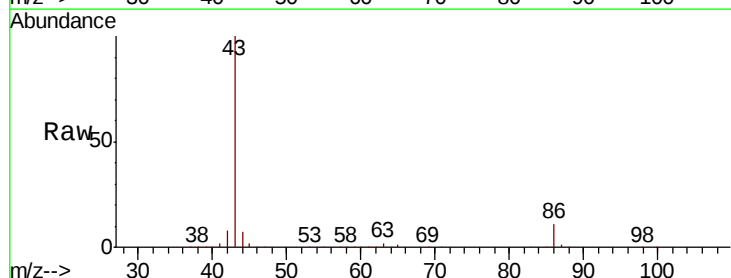
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

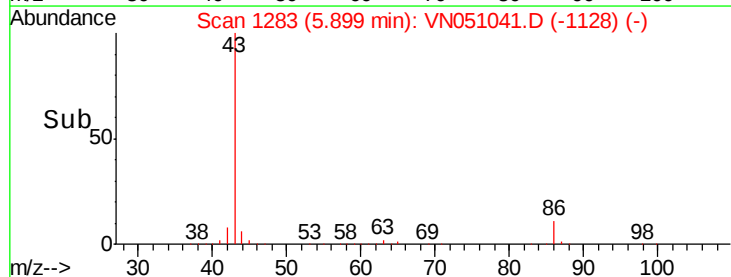
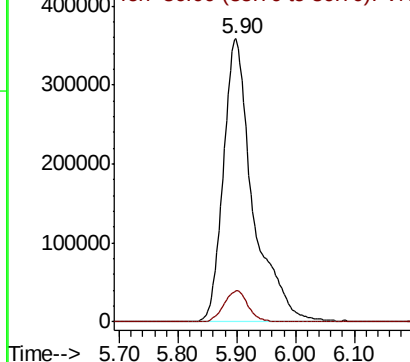
Lab File: VN051041.D

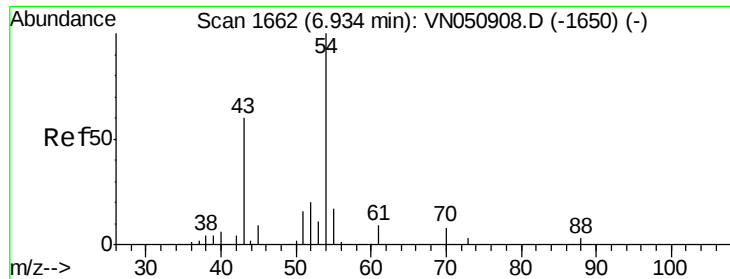
Acq: 7 Sep 2018 8:35

Tgt Ion:	43	Resp:	1256483
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.2	10.8



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





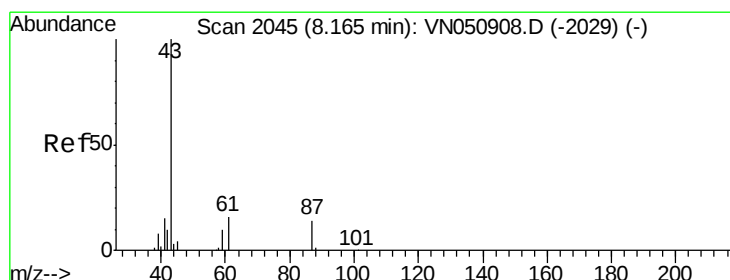
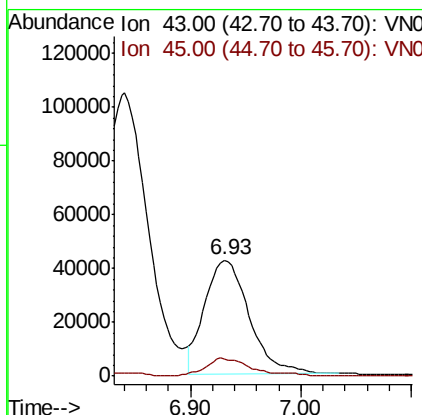
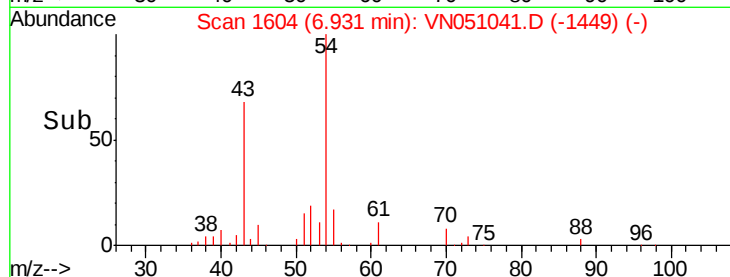
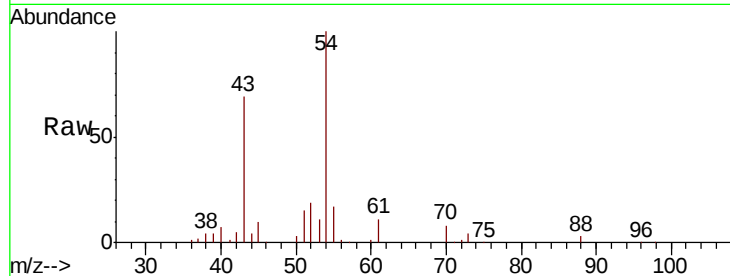
#43
Ethyl Acetate
Concen: 17.65 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020

Tot Ion: 43 Resp: 119187
Ion Ratio Lower Upper
43 100
45 14.5 10.2 15.2

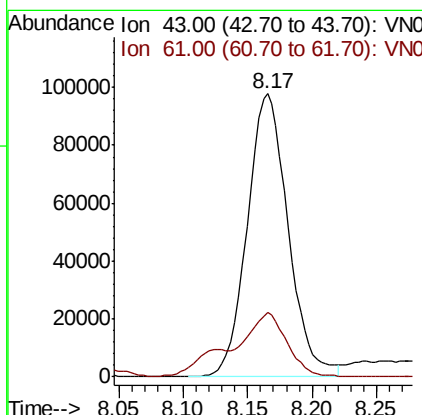
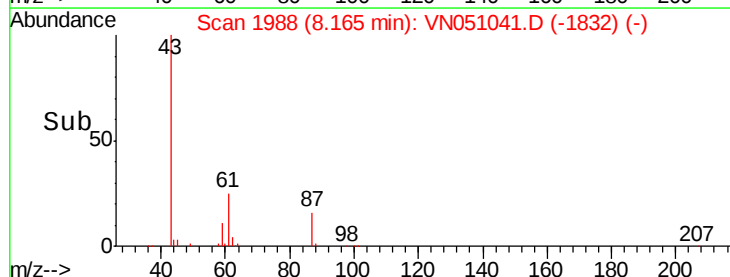
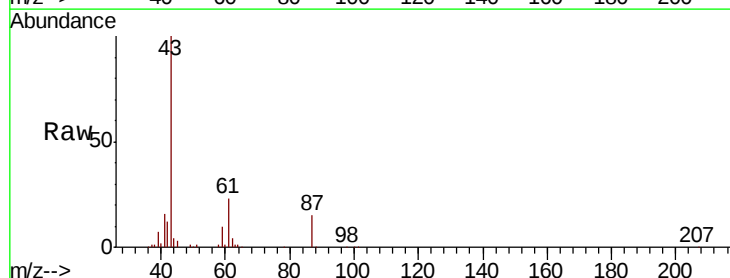
Manual Integrations
APPROVED

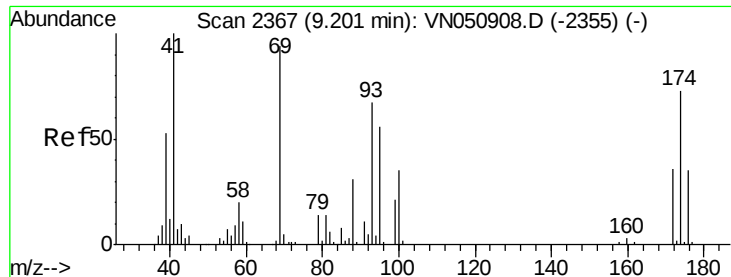
MMDadoda
9/10/2018 11:52:58 AM



#44
Isopropyl Acetate
Concen: 18.06 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 43 Resp: 215175
Ion Ratio Lower Upper
43 100
61 21.8 16.3 24.5





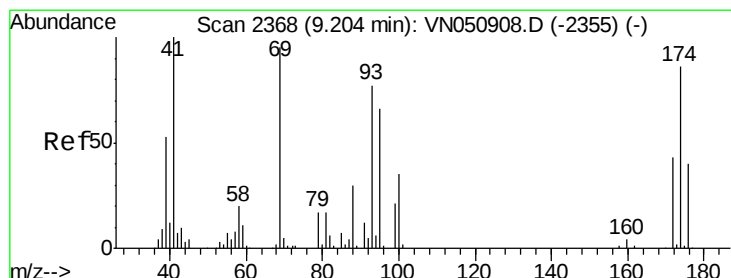
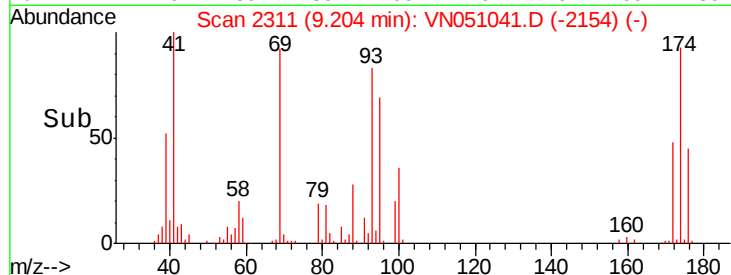
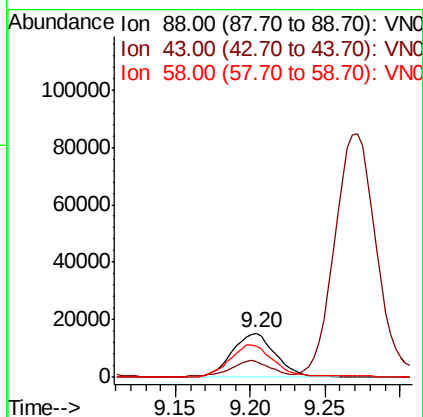
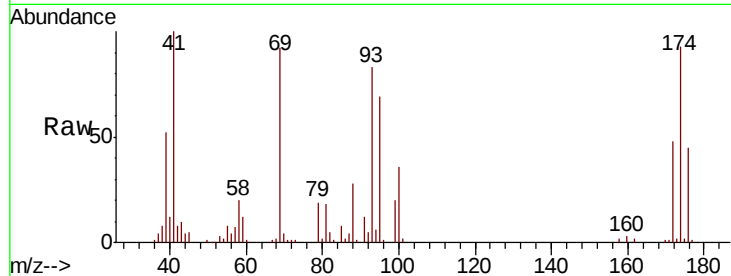
#45
1,4-Dioxane
Concen: 354.20 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	88	Resp	31347
Ion	Ratio	Lower	Upper
88	100		
43	33.2	23.5	35.3
58	73.1	55.2	82.8

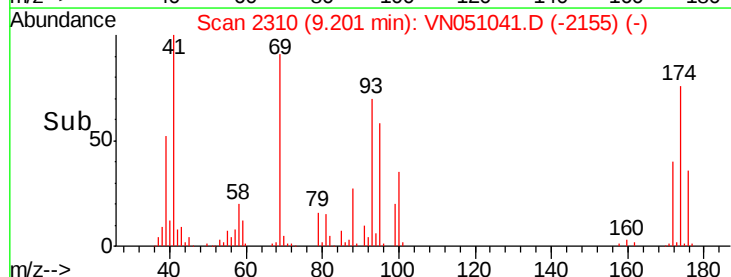
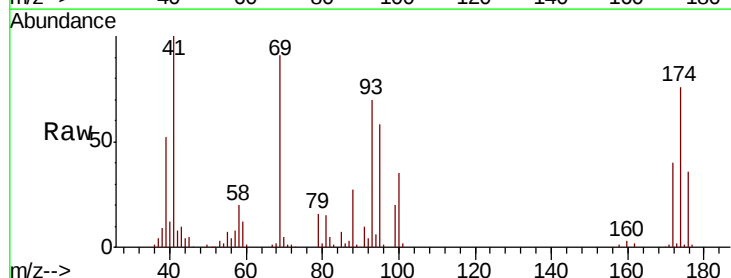
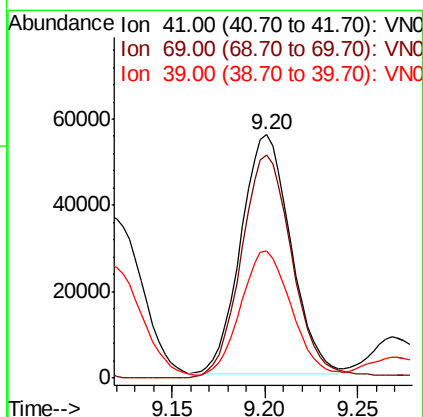
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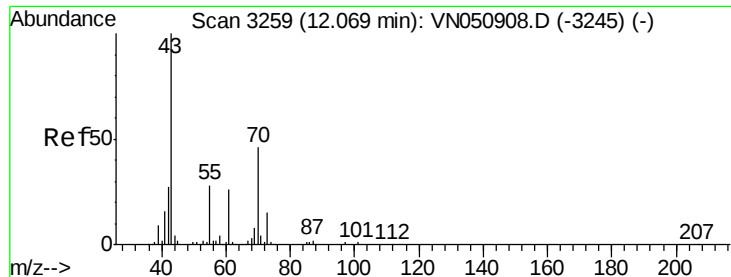
MMDadoda
9/10/2018 11:52:58 AM



#46
Methyl methacrylate
Concen: 17.38 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	41	Resp	103695
Ion	Ratio	Lower	Upper
41	100		
69	92.9	47.4	142.2
39	51.3	26.6	79.7





#47

n-amvl Acetate

Concen: 17.73 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 169778

Ion Ratio Lower Upper

43 100

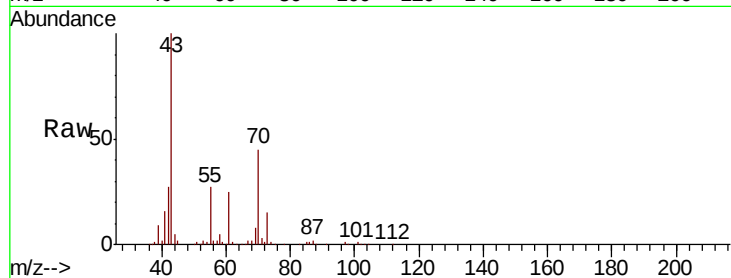
55 27.6 23.0 34.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

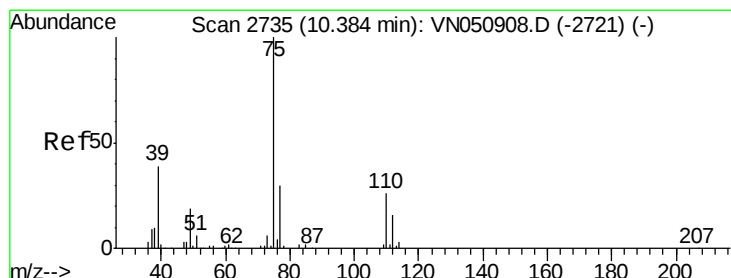
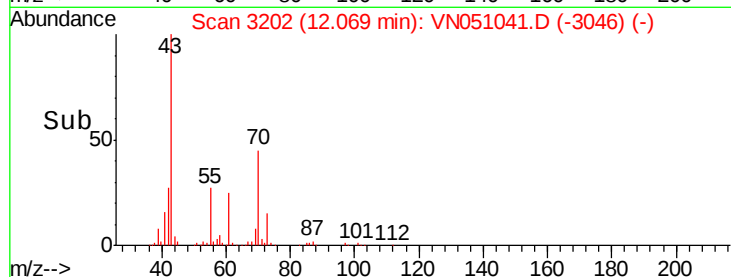
40000

20000

0

12.00 12.05 12.10 12.15

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.88 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051041.D

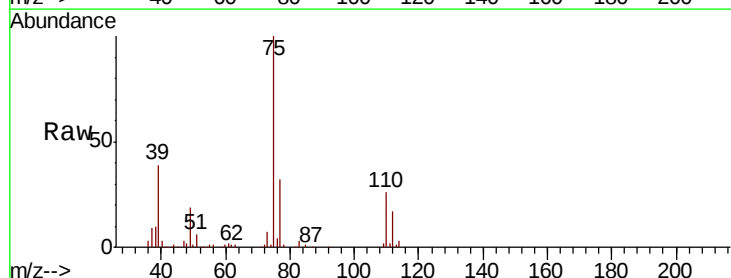
Acq: 7 Sep 2018 8:35

Tgt Ion: 75 Resp: 192670

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

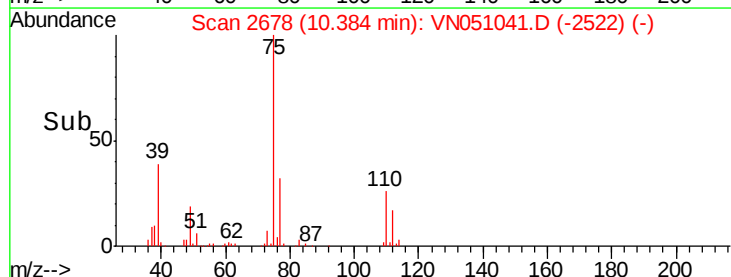
40000

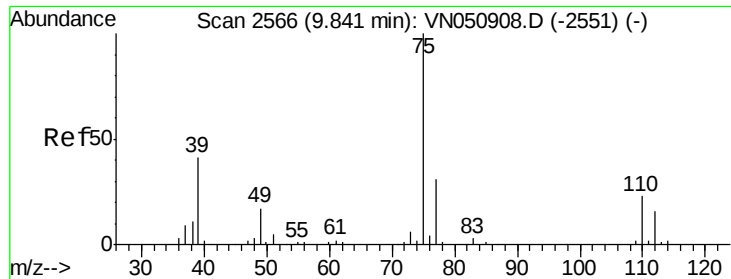
20000

0

10.30 10.40

Time-->





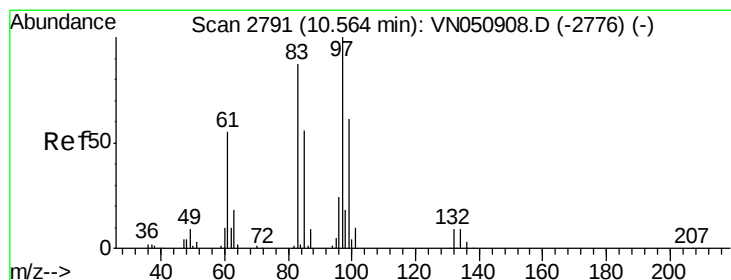
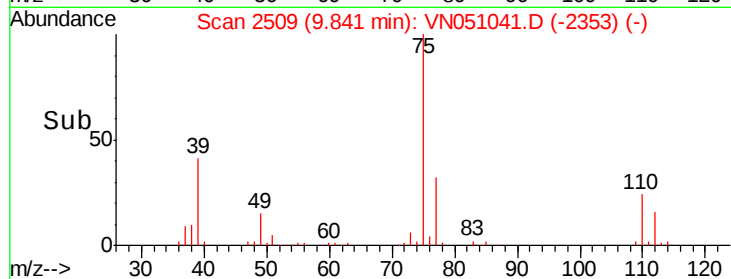
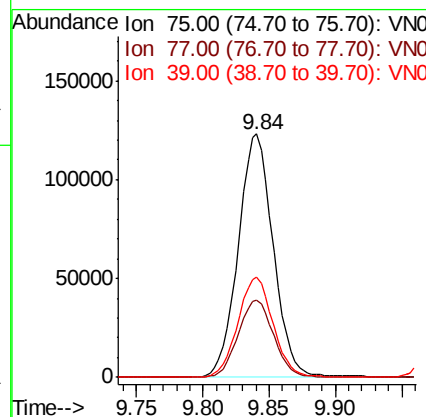
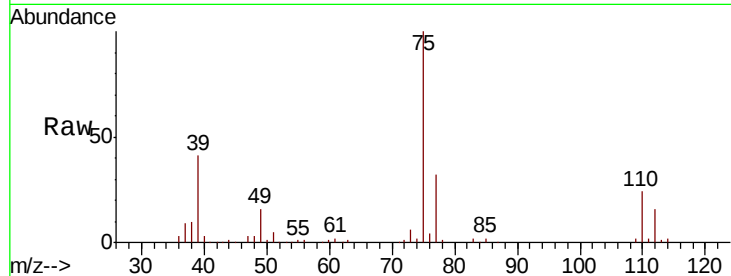
#49
 cis-1,3-Dichloropropene
 Concen: 18.21 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.6	25.0	37.4	
39	41.0	32.9	49.3	

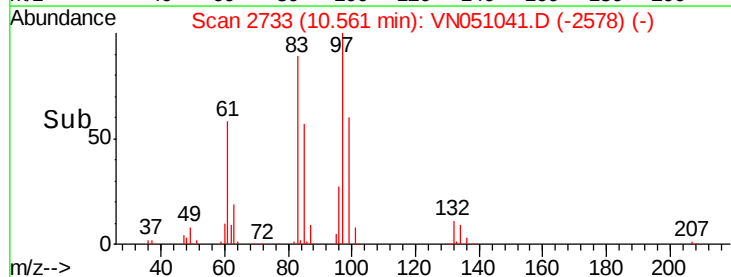
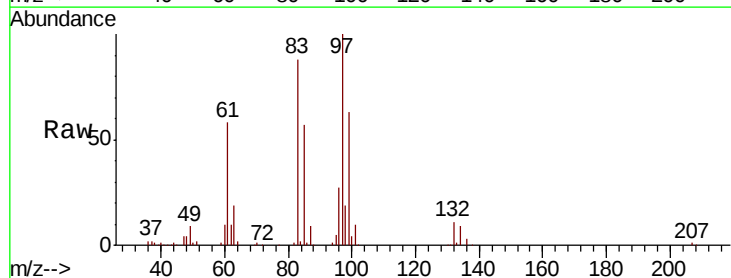
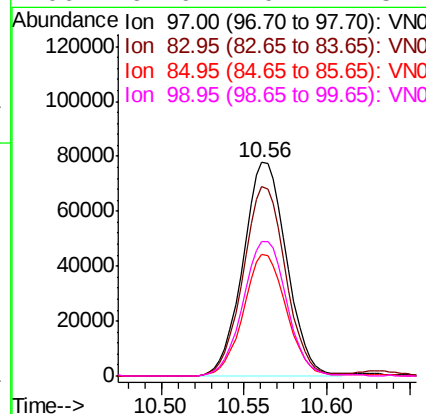
Manual Integrations
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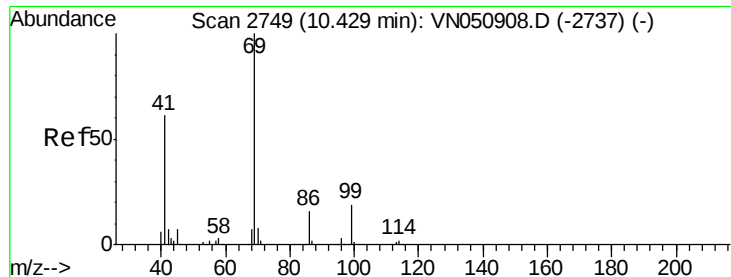
MMDadoda
 9/10/2018 11:52:58 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.76 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	88.4	69.8	104.6	
85	57.2	45.0	67.6	
99	62.9	49.1	73.7	





#51

Ethyl methacrylate

Concen: 17.41 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

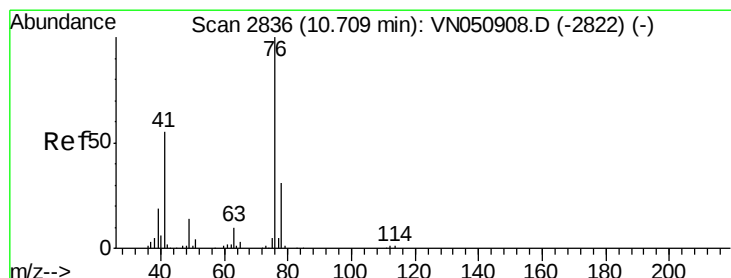
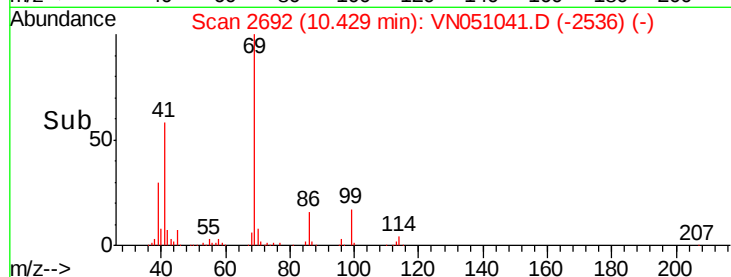
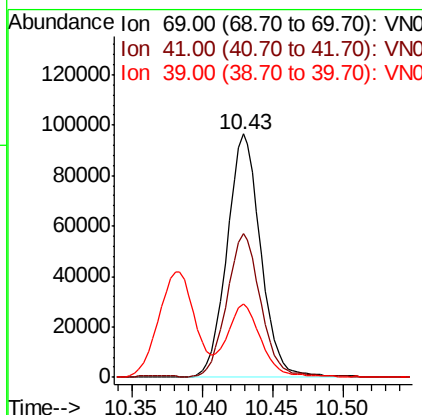
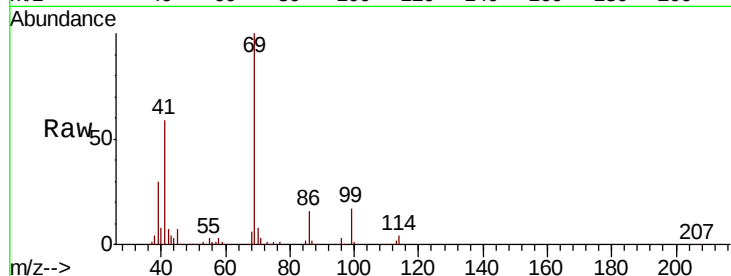
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	161342
Ion Ratio	Lower	Upper	
69	100		
41	58.5	30.5	91.5
39	29.8	15.3	45.8

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#52

1,3-Dichloropropane

Concen: 18.55 ug/l

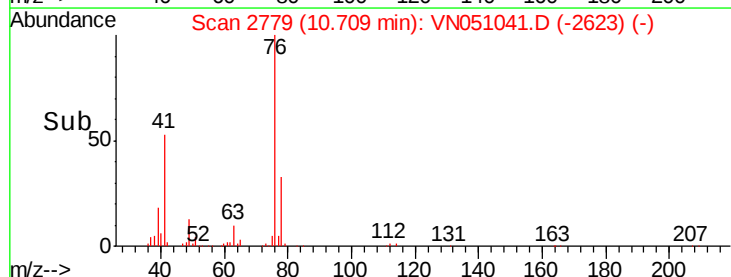
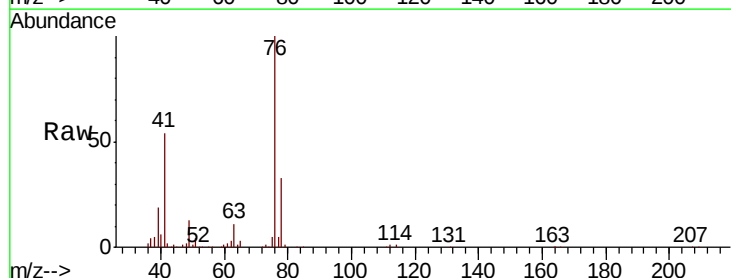
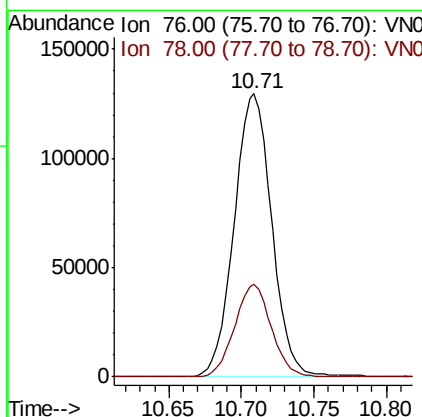
RT: 10.71 min Scan# 2779

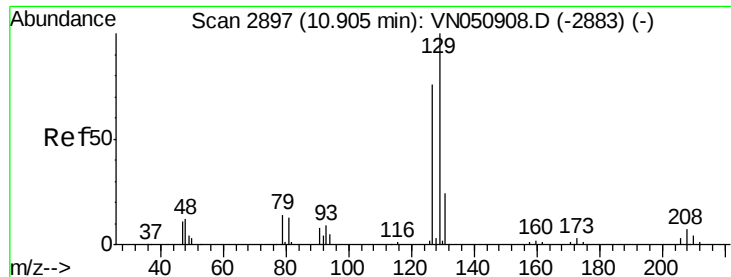
Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion:	76	Resp:	232766
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4





#53

Dibromochloromethane

Concen: 18.73 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 161335

Ion Ratio Lower Upper

129 100

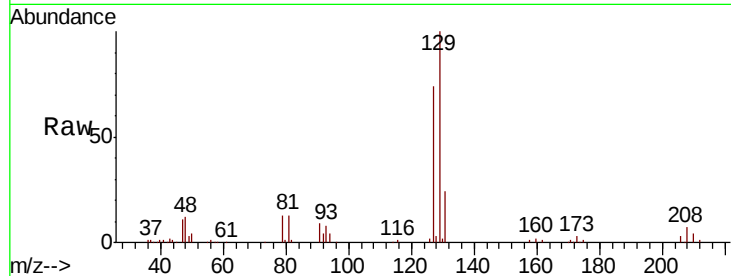
127 76.3 39.0 116.9

Manual Integrations

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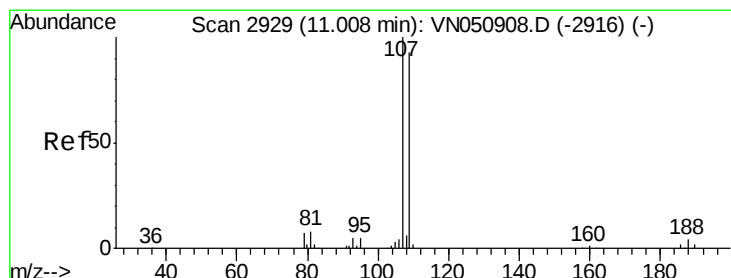
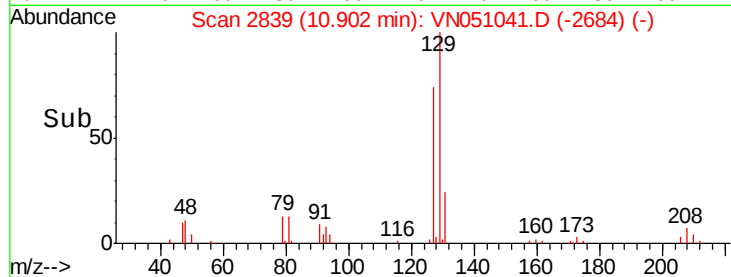
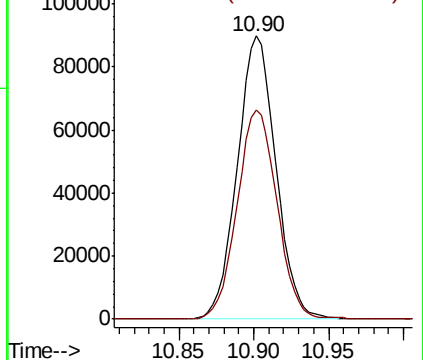
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.33 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051041.D

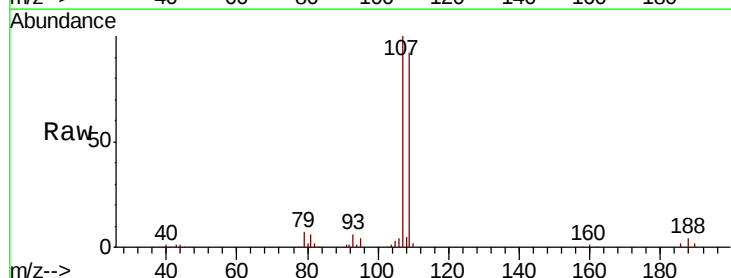
Acq: 7 Sep 2018 8:35

Tgt Ion:107 Resp: 137300

Ion Ratio Lower Upper

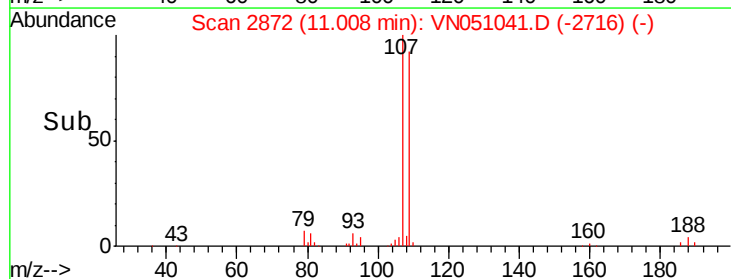
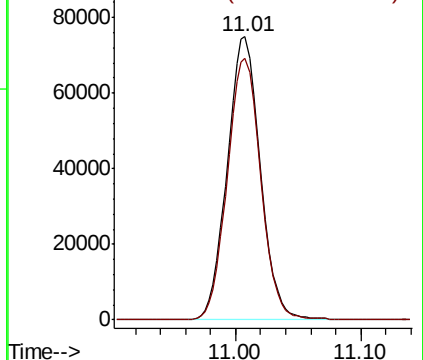
107 100

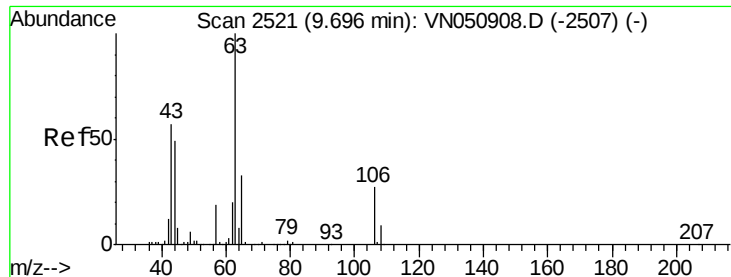
109 93.7 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





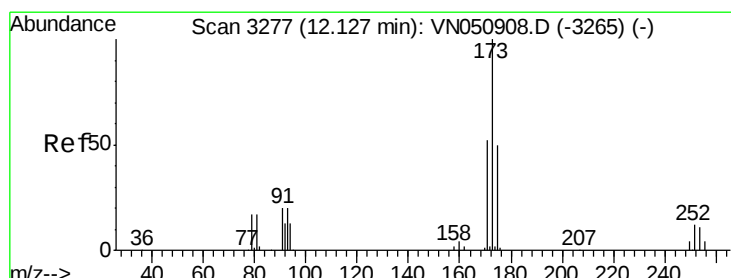
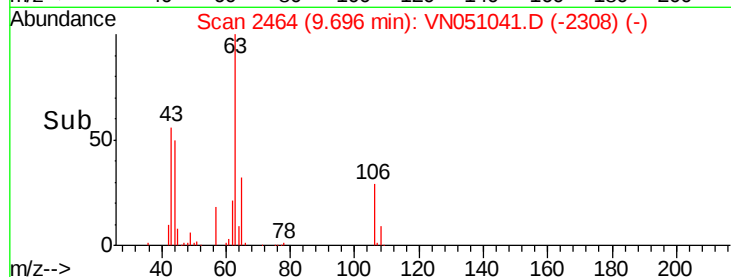
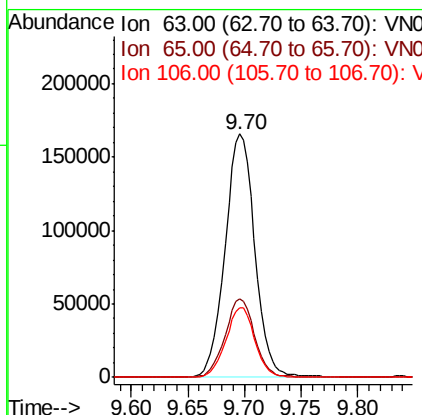
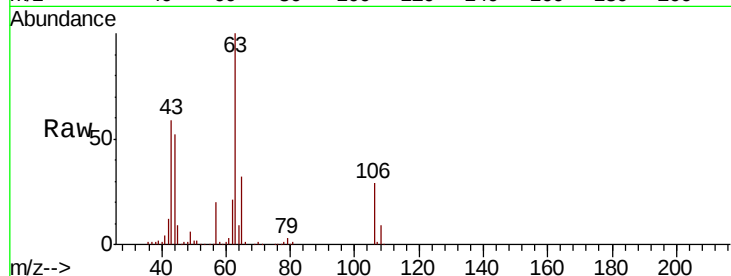
#55
2-Chloroethyl vinyl ether
Concen: 78.66 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	27.9	22.0	33.0

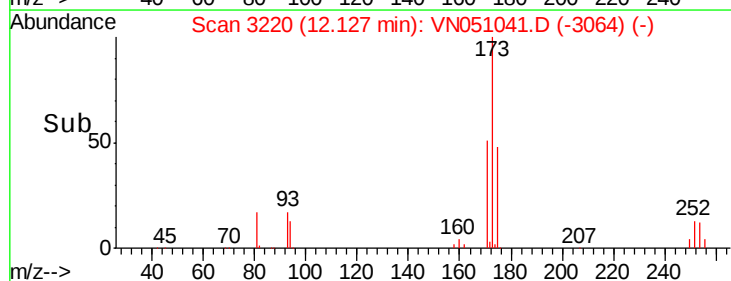
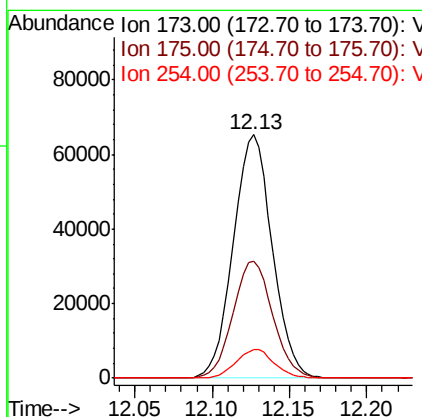
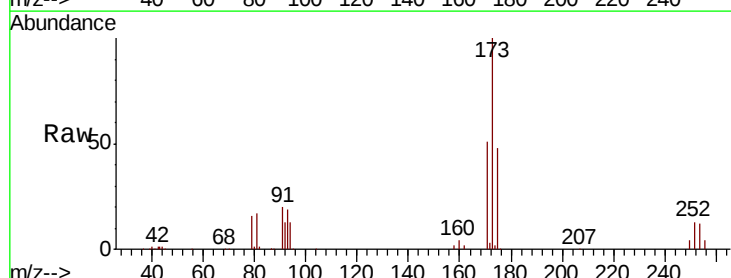
Manual Integrations
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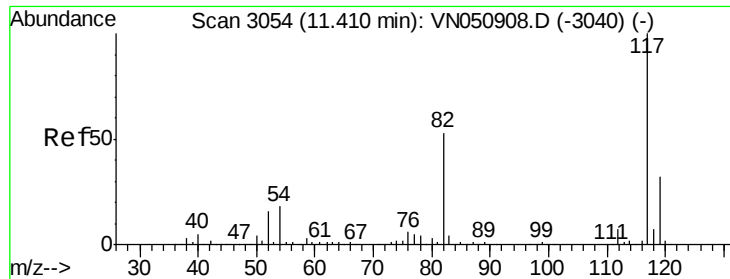
MMDadoda
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#56
Bromoform
Concen: 18.63 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.2	58.8
254	11.6	9.0	13.6





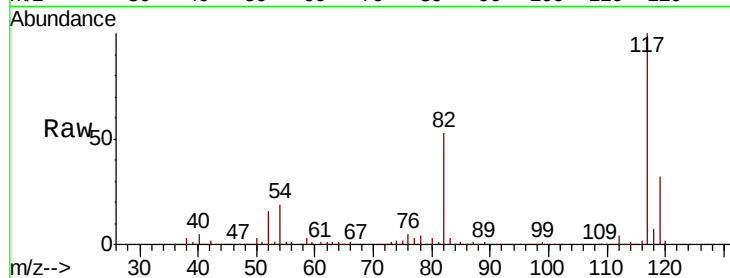
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	64.0
119	32.4	25.7	38.5

Manual Integrations
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9/10/2018 11:52:58 AM

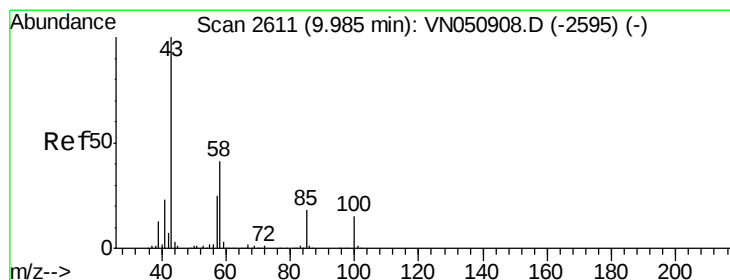
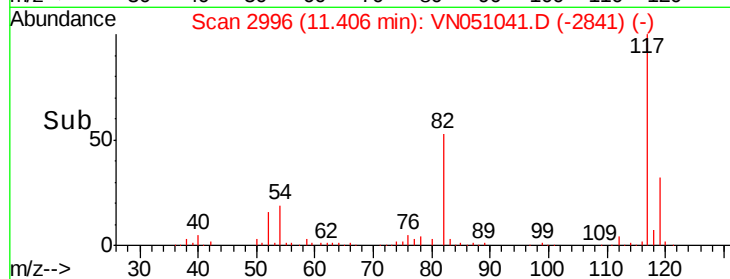
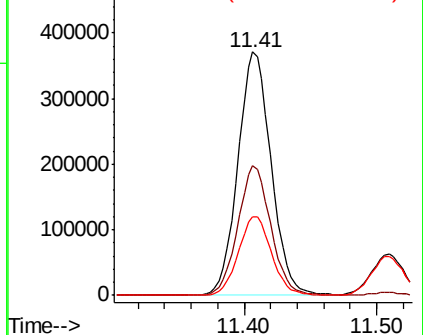


Abundance

Ion 117.00 (116.70 to 117.70): V

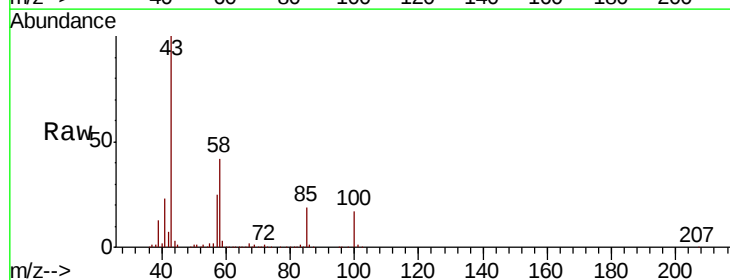
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 87.73 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.3	48.5
85	18.5	14.9	22.3

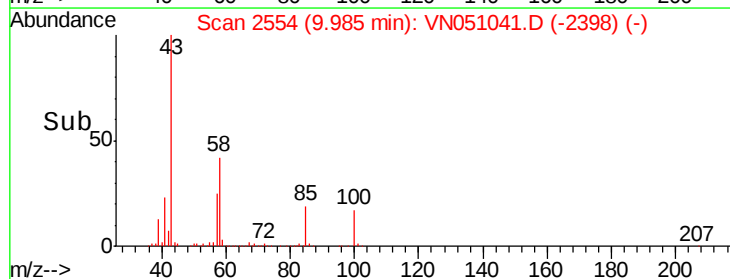
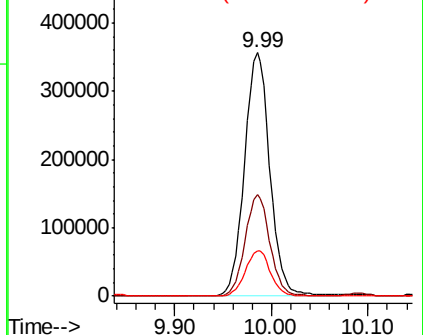


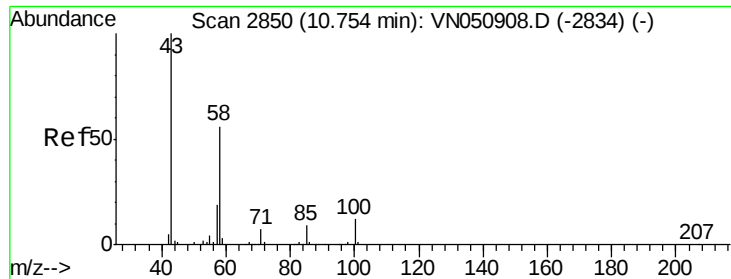
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





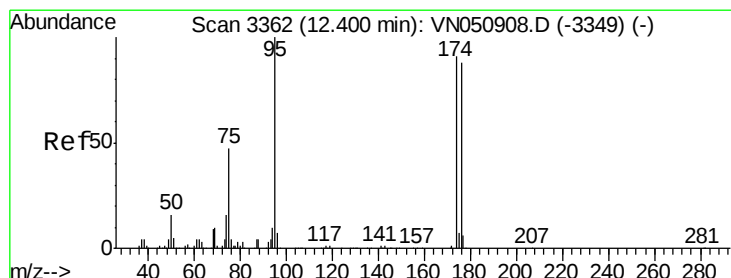
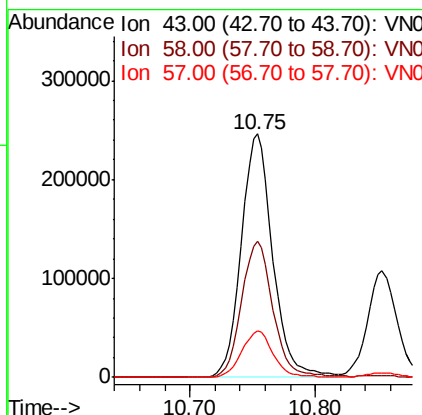
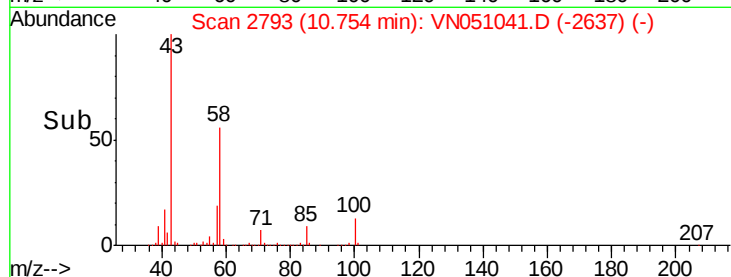
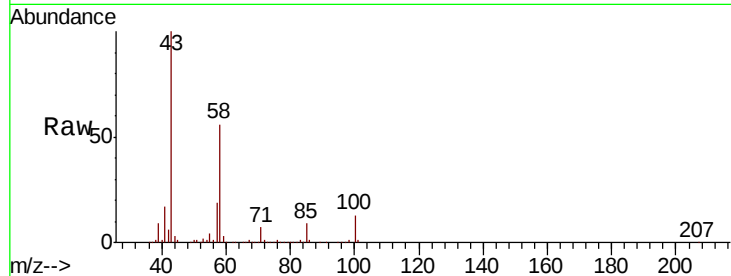
#59
2-Hexanone
Concen: 88.54 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.5	68.3
57	19.4	15.2	22.8

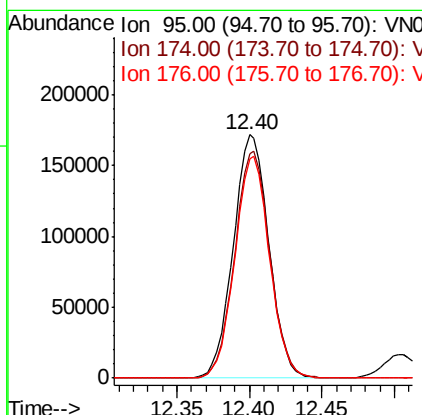
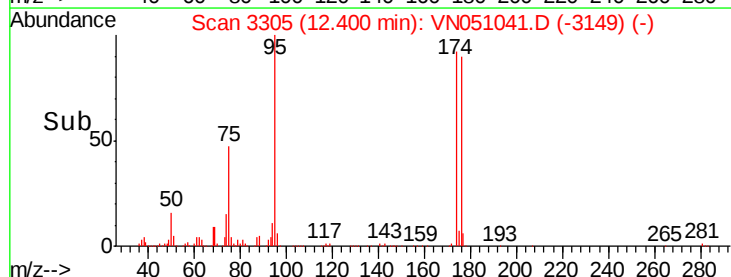
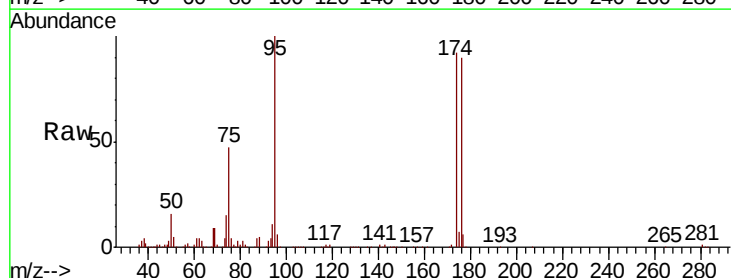
Manual Integrations
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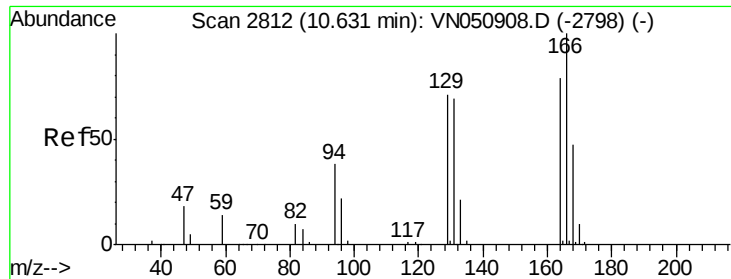
MMDadoda
9/10/2018 11:52:58 AM



#60
4-Bromofluorobenzene
Concen: 30.41 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.6	112.0
176	89.3	71.5	107.3





#61

Tetrachloroethene

Concen: 18.21 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 146490

Ion Ratio Lower Upper

164 100

166 130.1 100.6 151.0

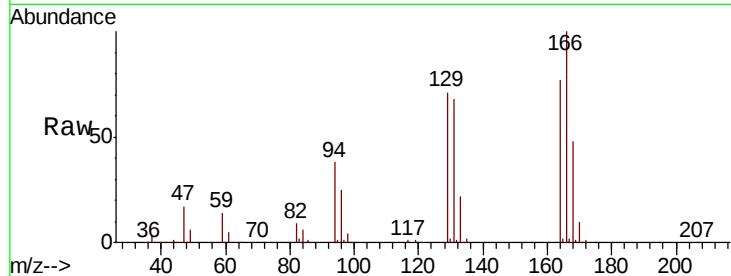
129 92.0 71.0 106.6

131 88.2 69.3 103.9

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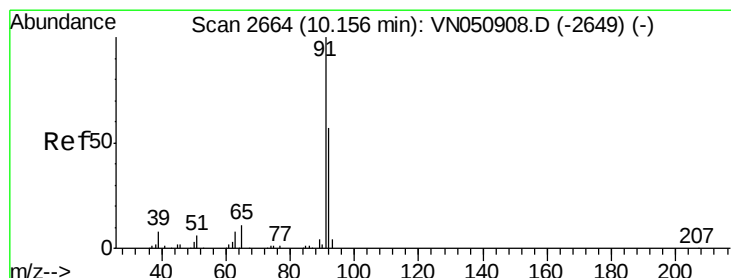
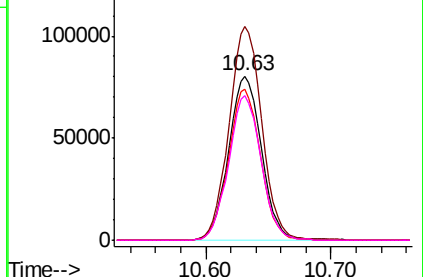
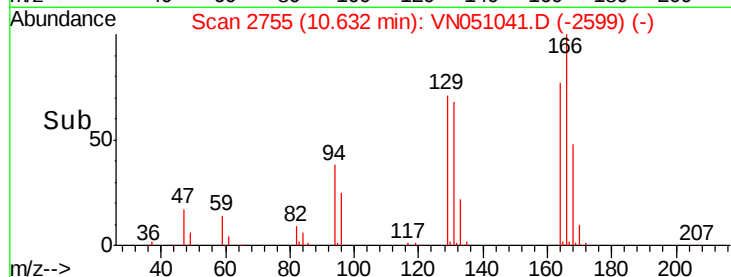


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.12 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051041.D

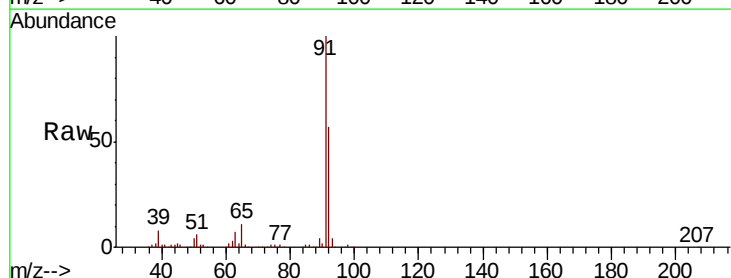
Acq: 7 Sep 2018 8:35

Tgt Ion: 91 Resp: 652799

Ion Ratio Lower Upper

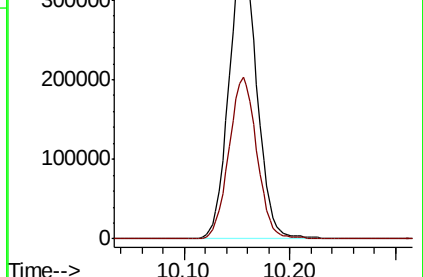
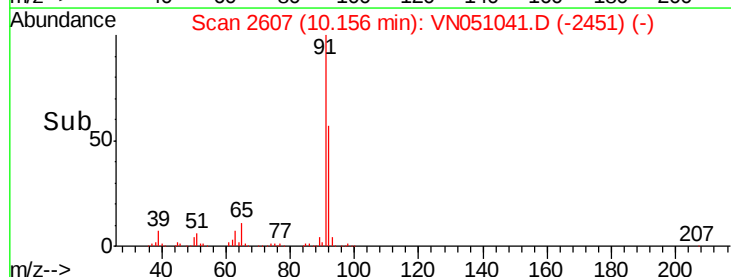
91 100

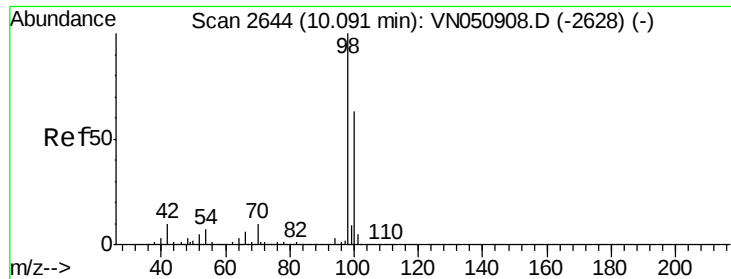
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.32 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 912885

Ion Ratio Lower Upper

98 100

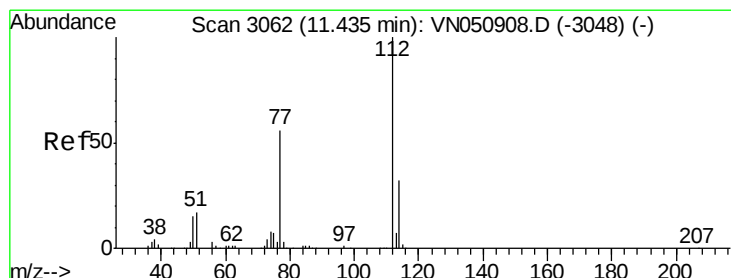
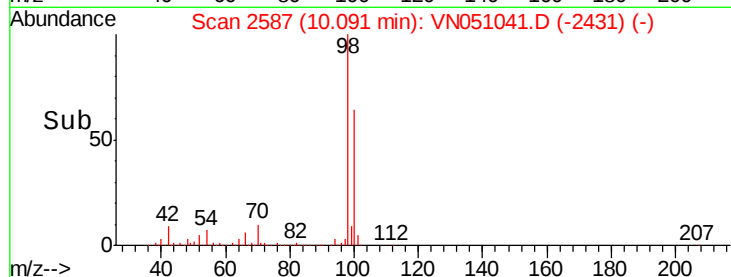
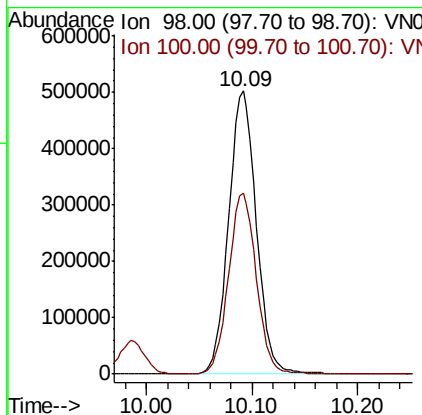
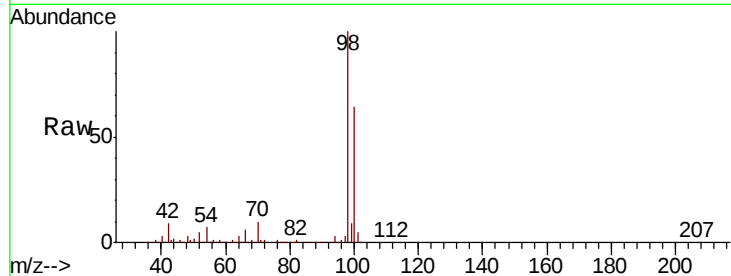
100 64.0 50.6 75.8

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#64

Chlorobenzene

Concen: 18.22 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051041.D

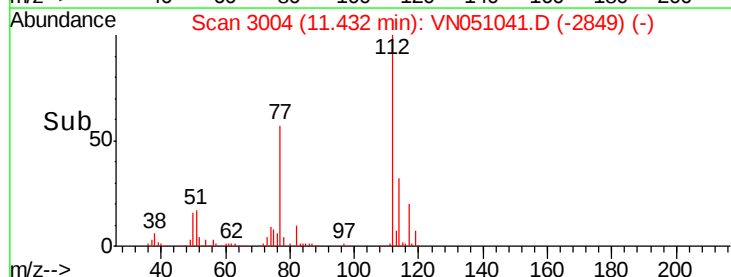
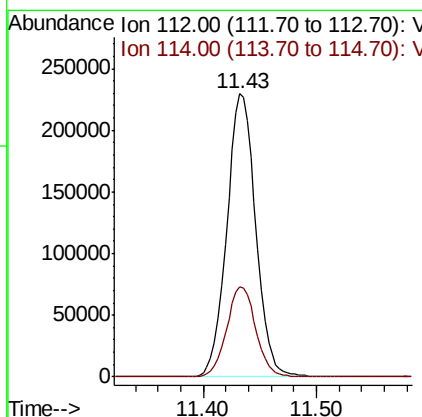
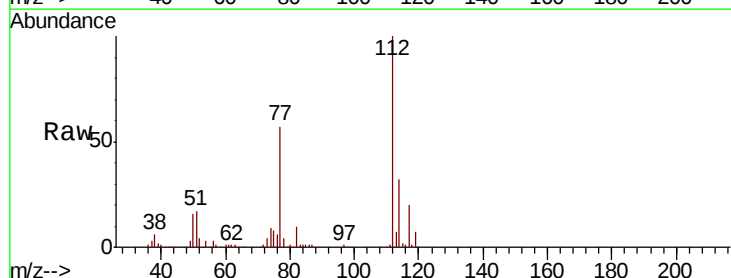
Acq: 7 Sep 2018 8:35

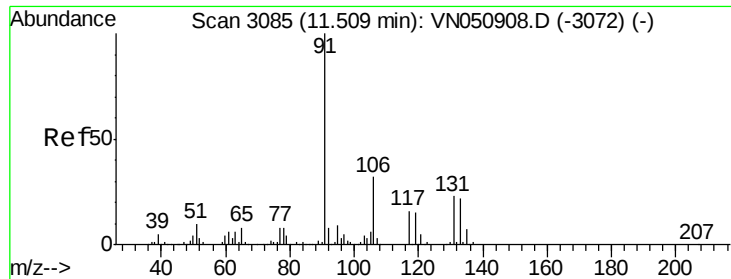
Tgt Ion: 112 Resp: 406869

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.59 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

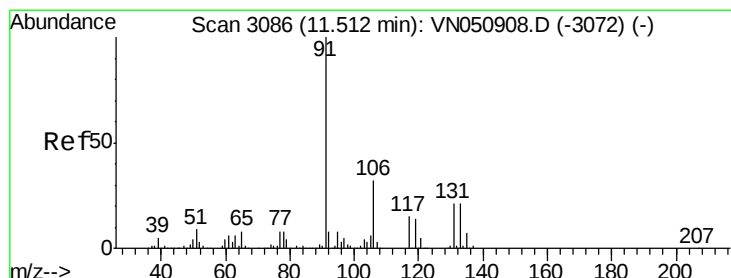
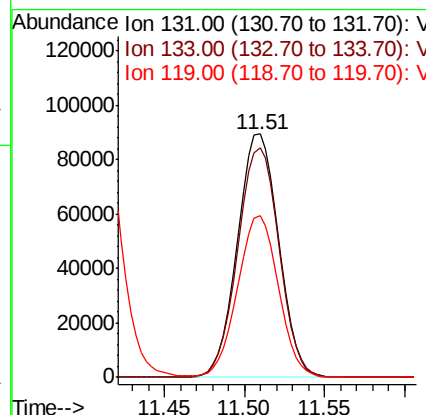
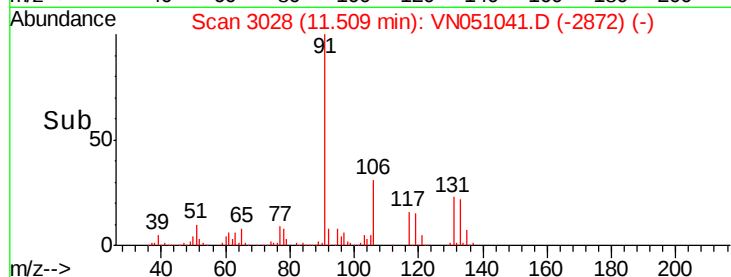
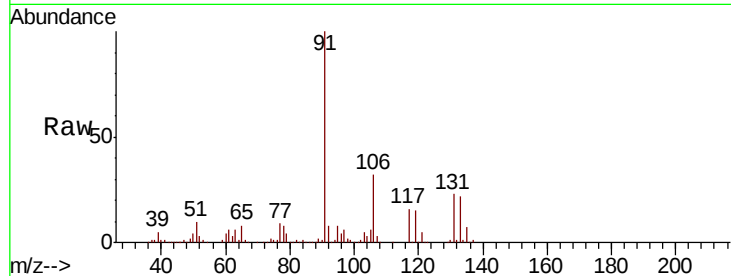
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	156716
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	189.4
119	65.9	0.0	132.2

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#66

Ethyl Benzene

Concen: 17.48 ug/l

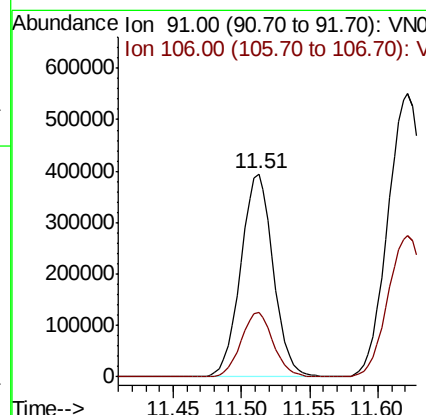
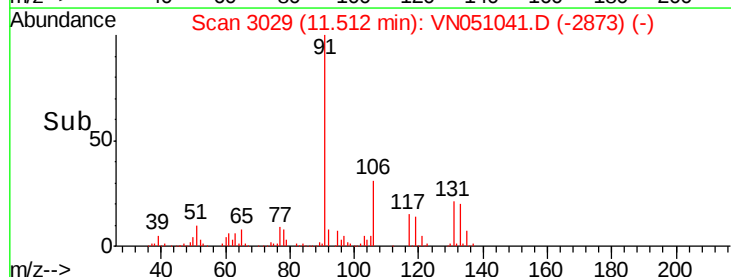
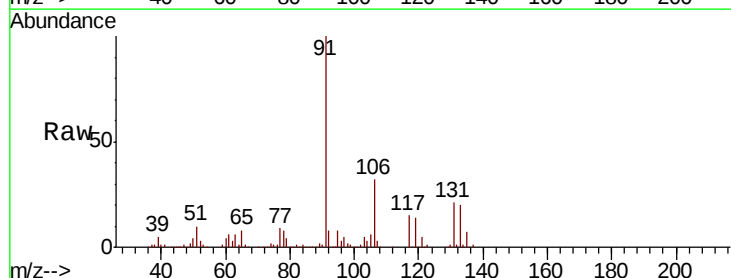
RT: 11.51 min Scan# 3029

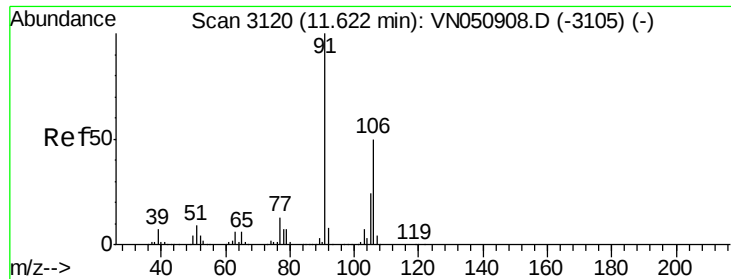
Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion:	91	Resp:	652204
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.7	38.5





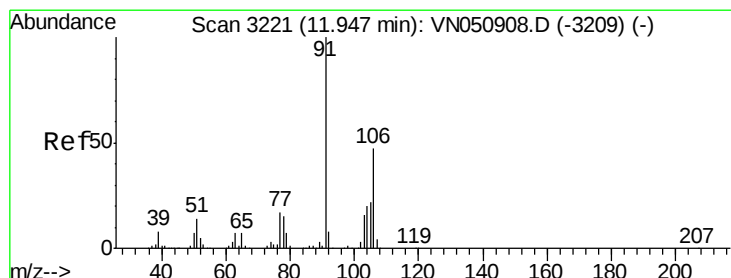
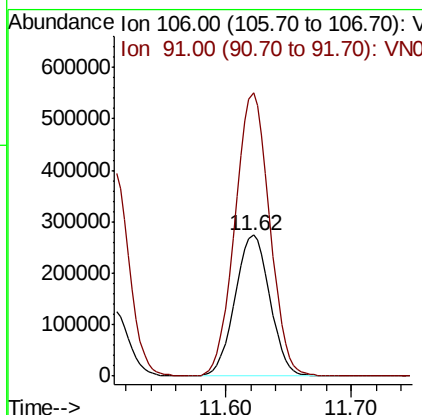
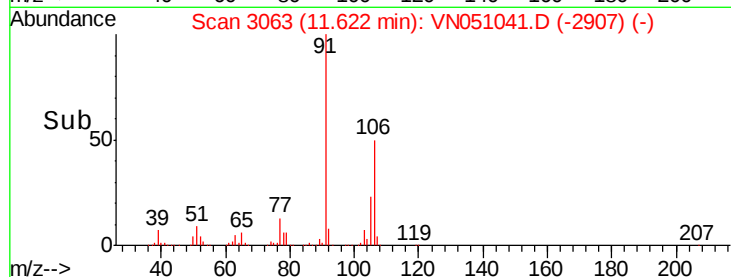
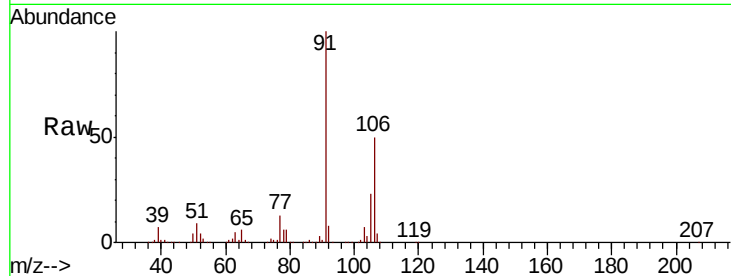
#67
m/p-Xylenes
Concen: 36.78 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.6	160.6	241.0	

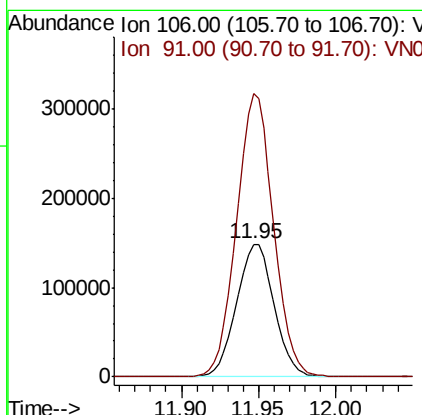
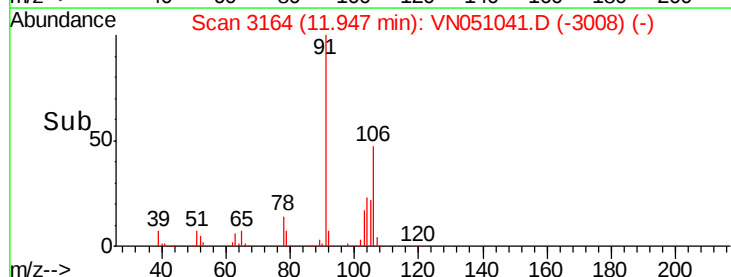
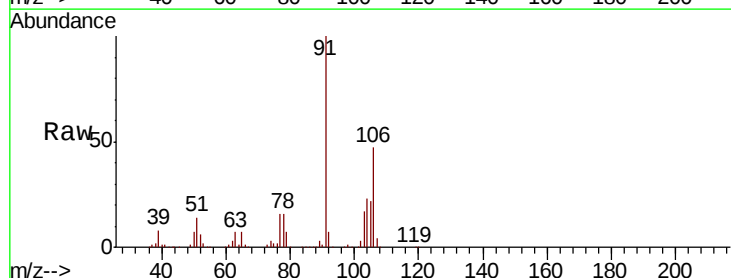
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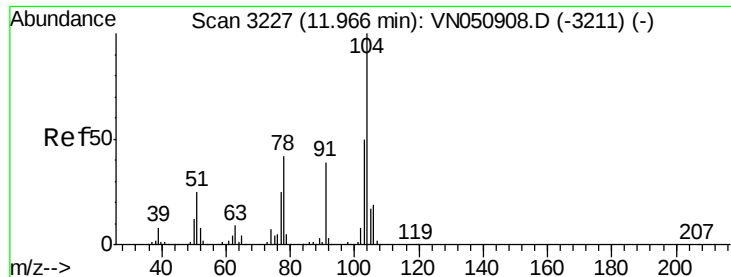
MMDadoda
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#68
o-Xylene
Concen: 18.26 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.8	106.4	319.2	





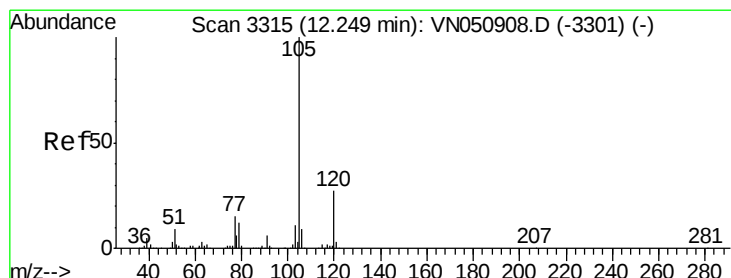
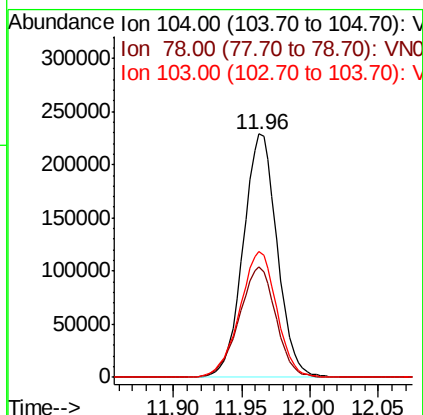
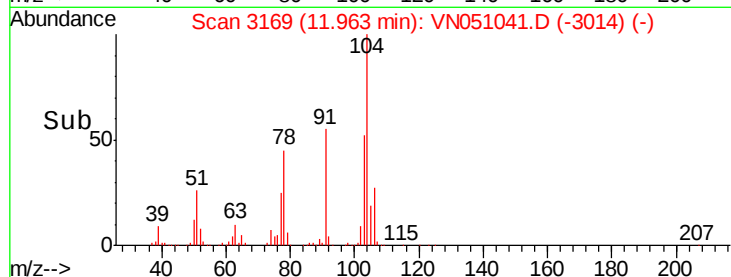
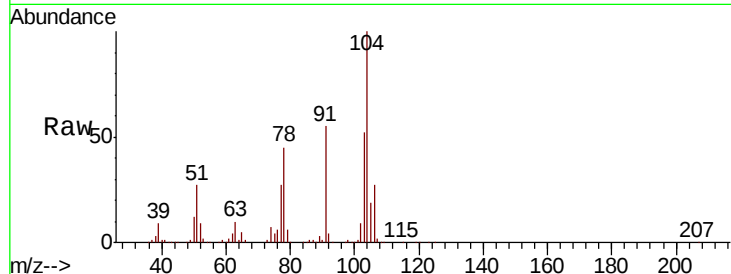
#69
Stvrene
Concen: 18.12 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	395179		
78	49.2	38.6	58.0	
103	56.3	45.4	68.2	

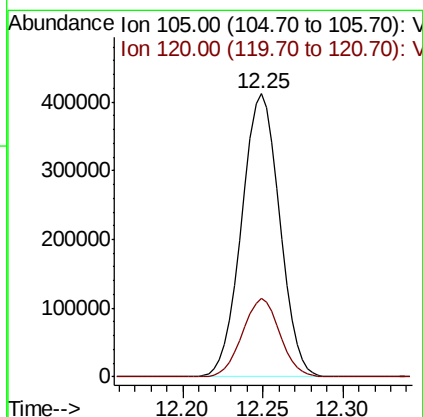
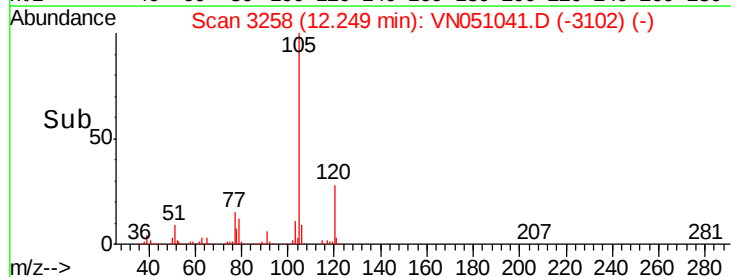
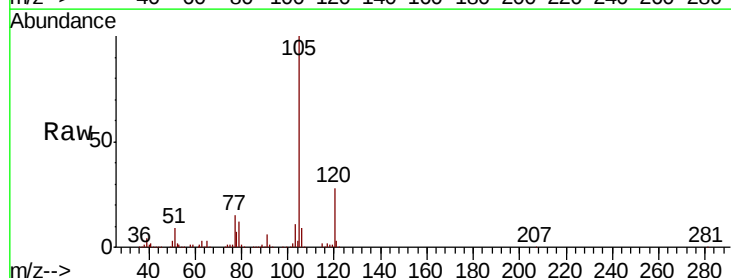
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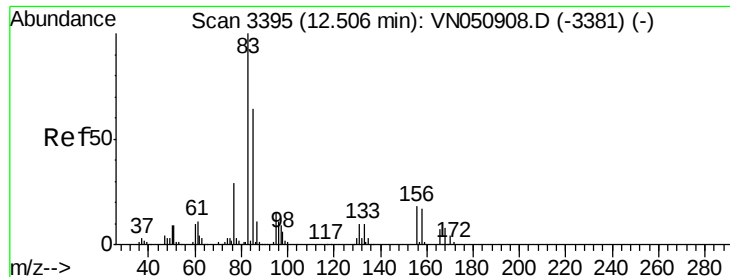
MMDadoda
9/10/2018 11:52:58 AM



#70
Isopropylbenzene
Concen: 18.29 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	666529		
120	27.3	18.6	34.6	





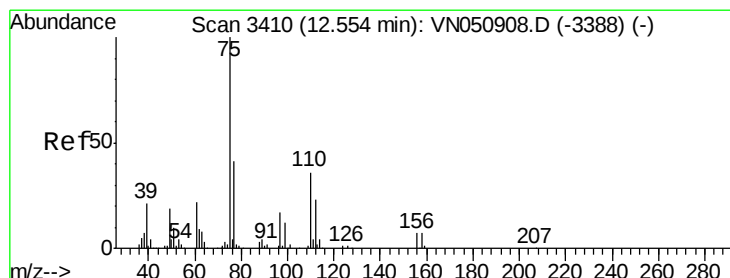
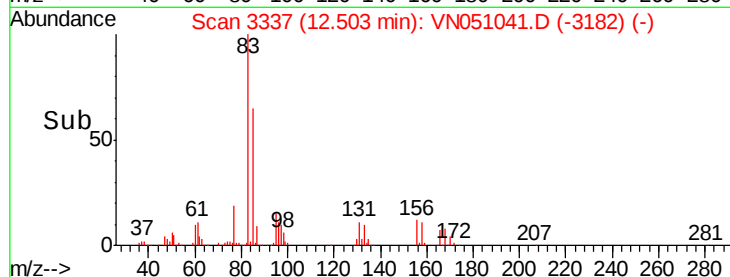
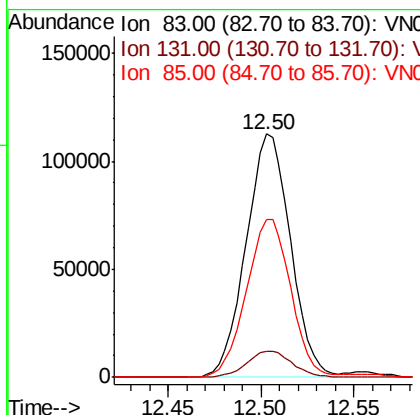
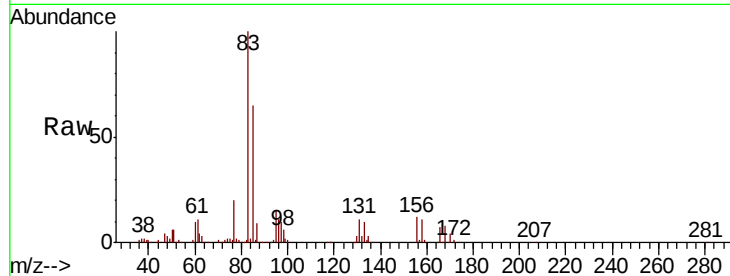
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.02 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	15.9
85	64.9	32.3	96.9

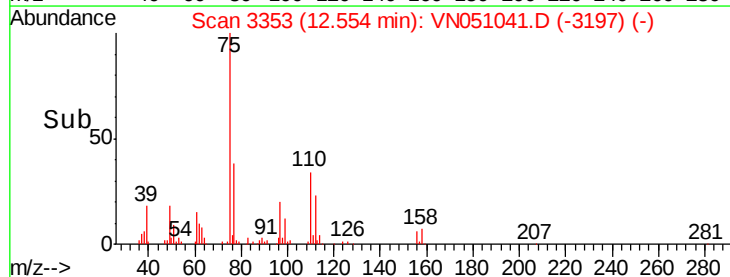
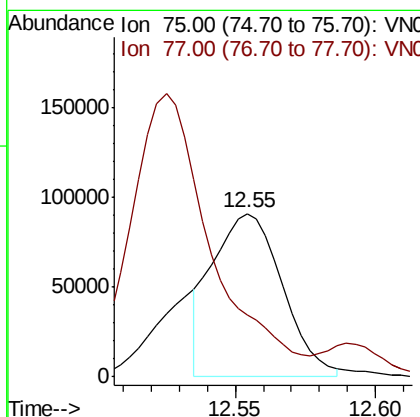
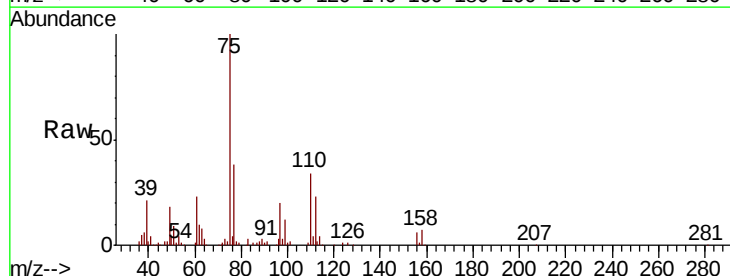
Manual Integrations
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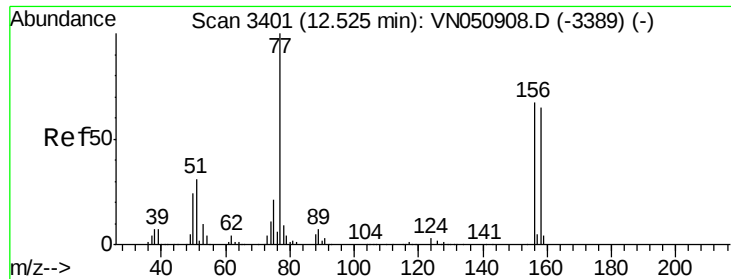
MMDadoda
 9/10/2018 11:52:58 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.62 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	199.0	0.0	301.6





#73

Bromobenzene

Concen: 18.29 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

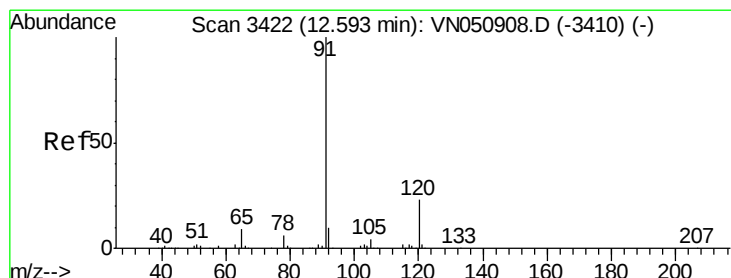
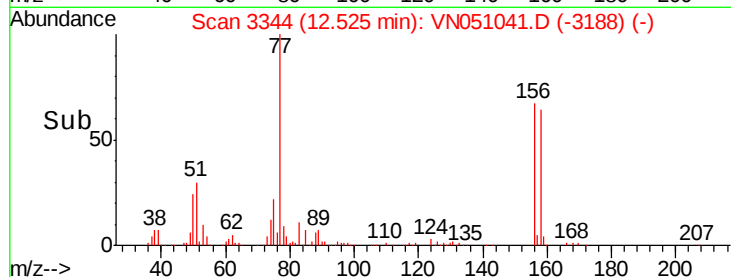
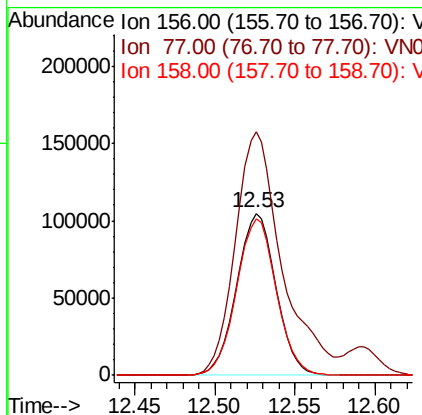
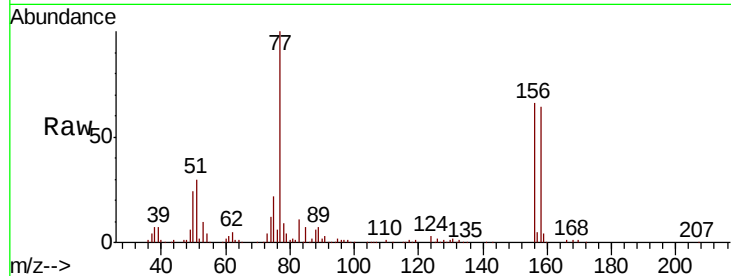
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	175426
Ion Ratio	Lower	Upper	
156	100		
77	179.9	0.0	359.4
158	97.8	0.0	194.6

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#74

n-propylbenzene

Concen: 18.42 ug/l

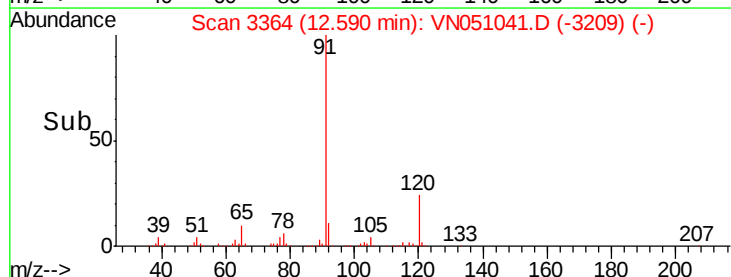
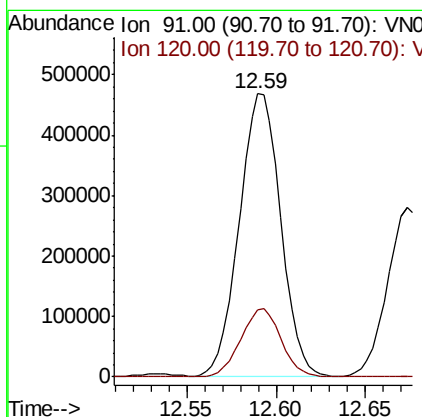
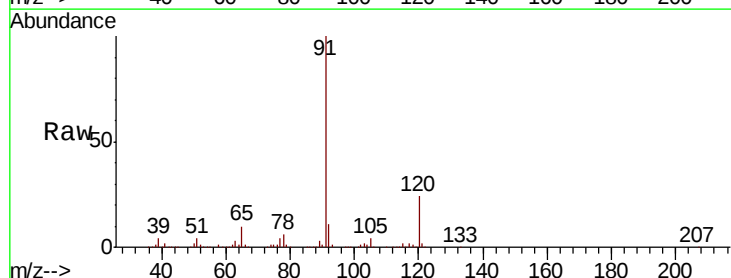
RT: 12.59 min Scan# 3364

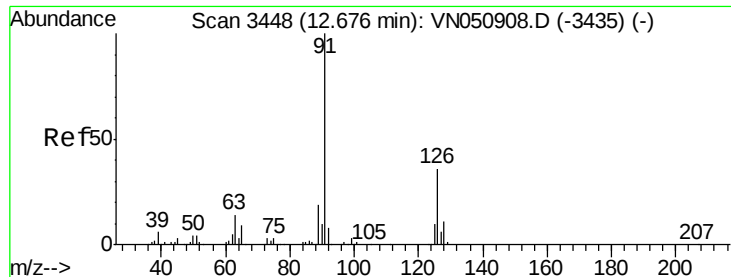
Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion:	91	Resp:	758945
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.0





#75

2-Chlorotoluene

Concen: 18.55 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 464405

Ion Ratio Lower Upper

91 100

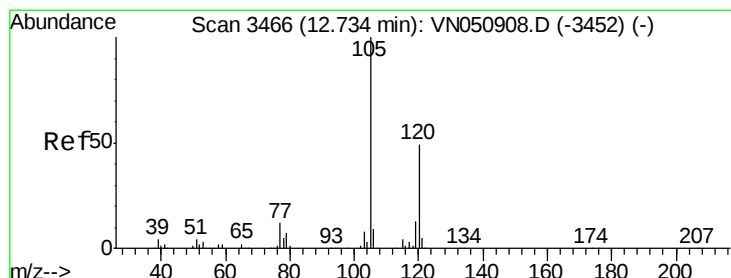
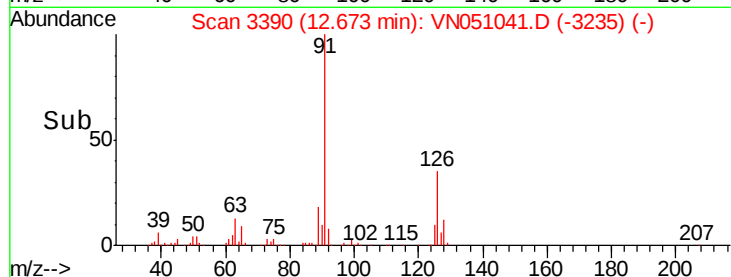
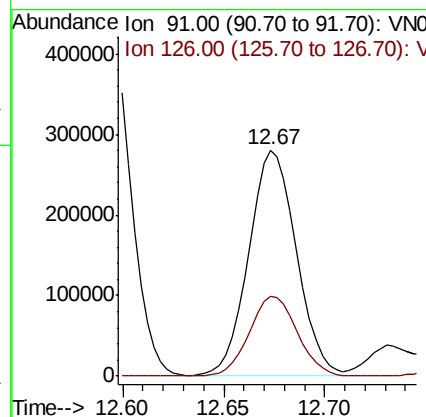
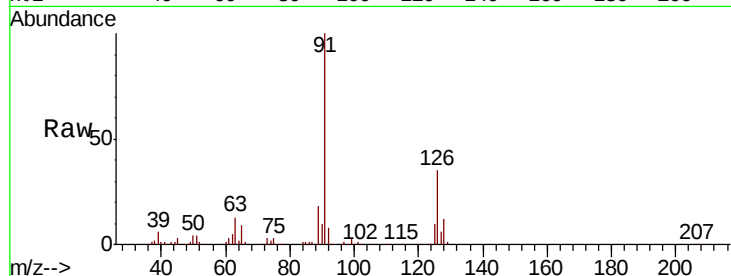
126 35.7 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 18.84 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051041.D

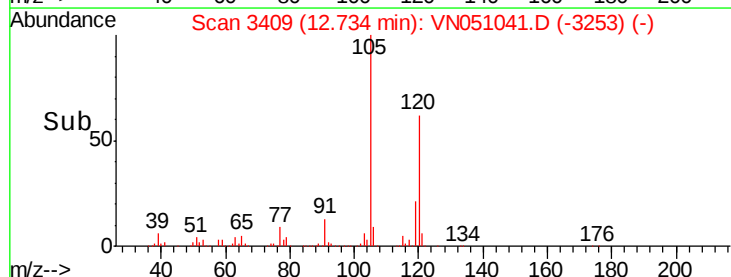
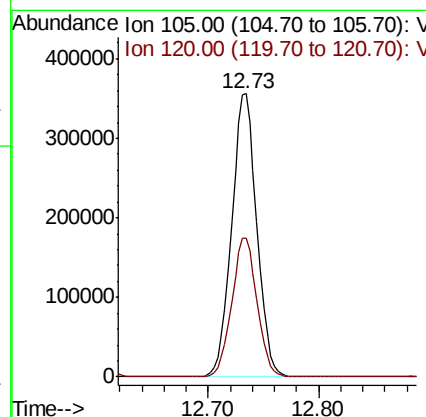
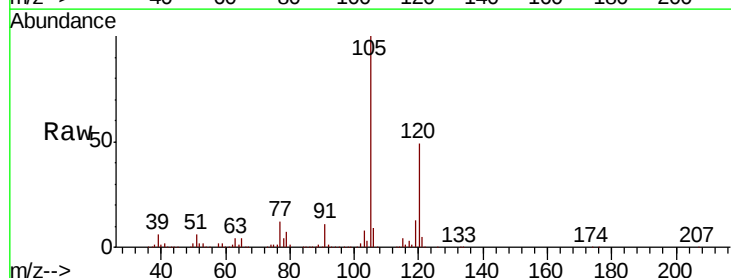
Acq: 7 Sep 2018 8:35

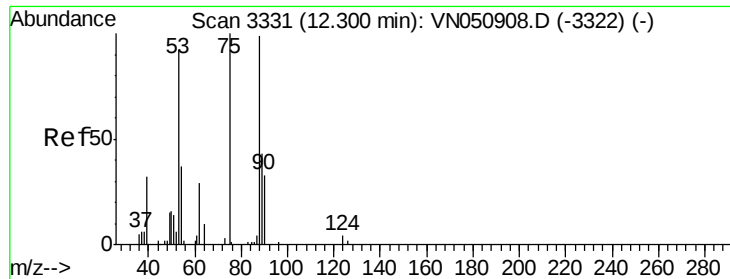
Tgt Ion: 105 Resp: 561147

Ion Ratio Lower Upper

105 100

120 49.2 0.0 99.6





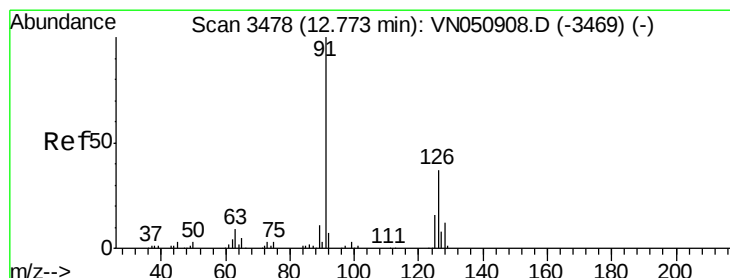
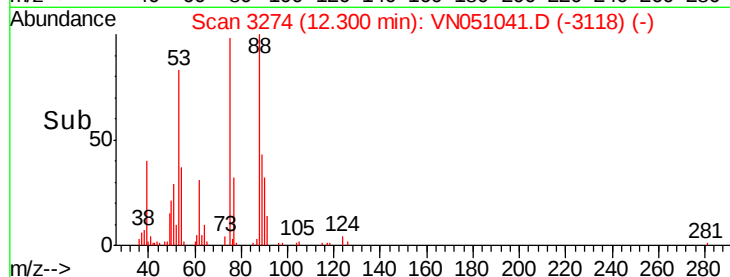
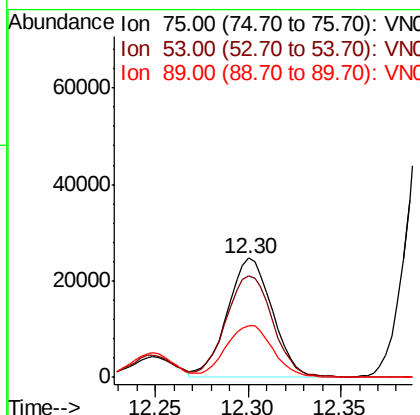
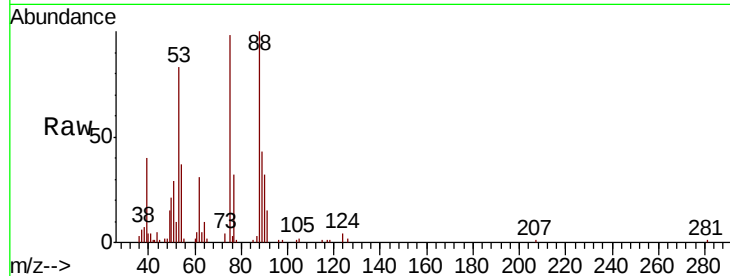
#77
t-1,4-Dichloro-2-butene
Concen: 17.24 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	45.5	136.4
89	43.9	21.9	65.8

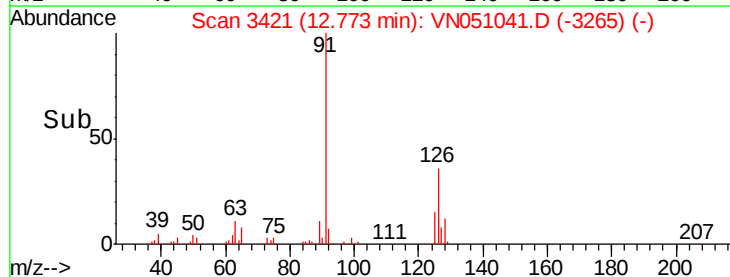
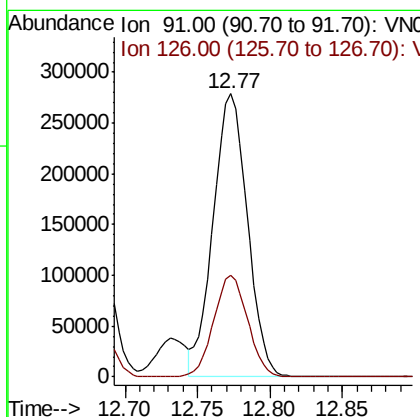
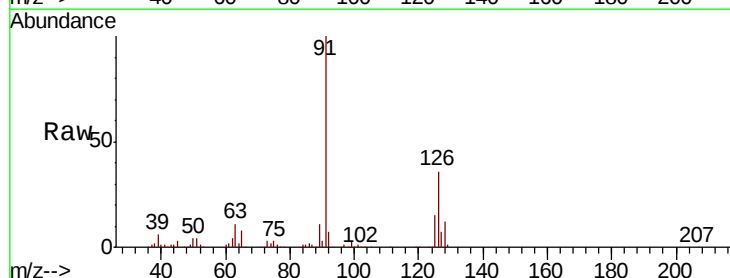
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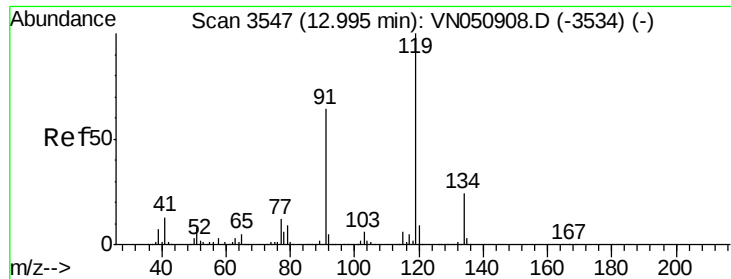
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#78
4-Chlorotoluene
Concen: 18.54 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	69.8





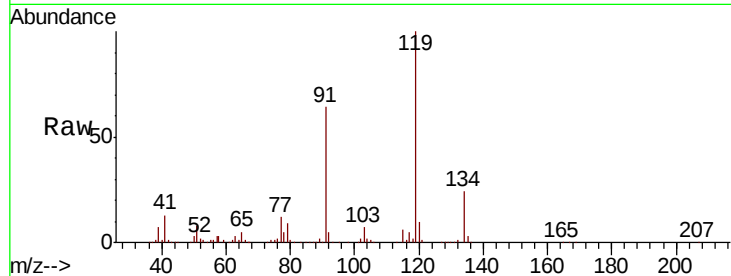
#79
tert-butylbenzene
Concen: 18.36 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

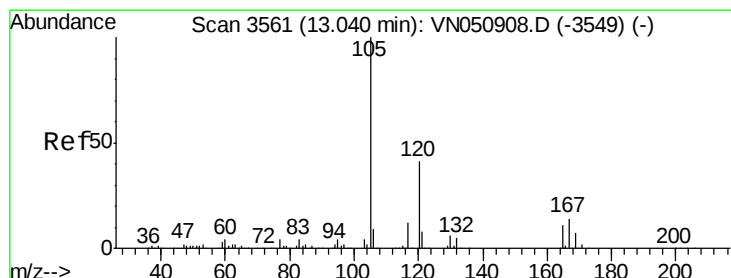
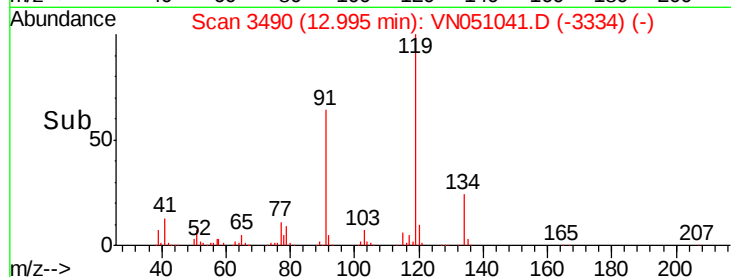
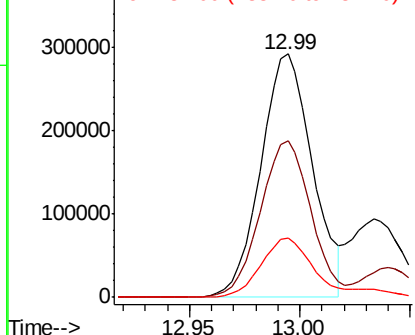
Tot Ion	Ratio	Resp	Lower	Upper
119	100	475018		
91	63.1	0.0	125.6	
134	24.2	0.0	48.4	

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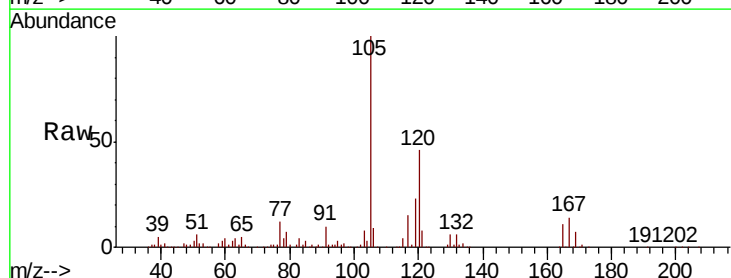


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

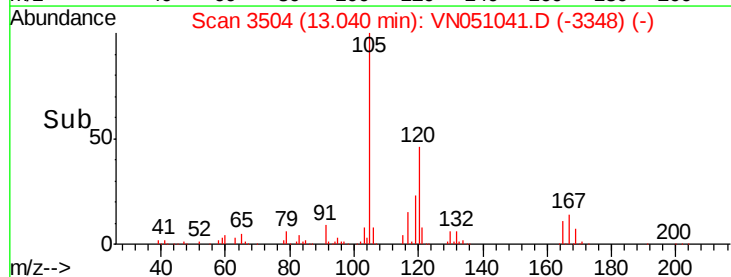
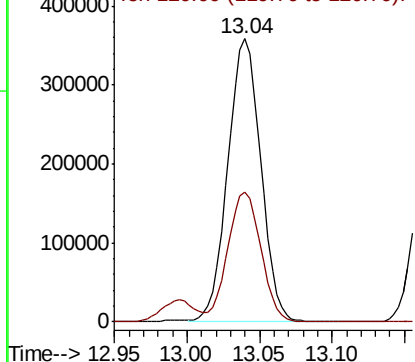


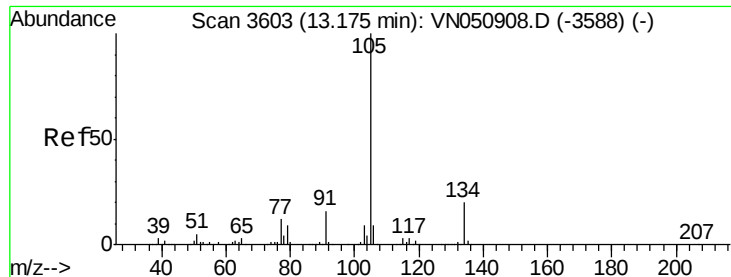
#80
1,2,4-Trimethylbenzene
Concen: 19.09 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	566815		
120	46.3	0.0	93.6	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.97 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 641941

Ion Ratio Lower Upper

105 100

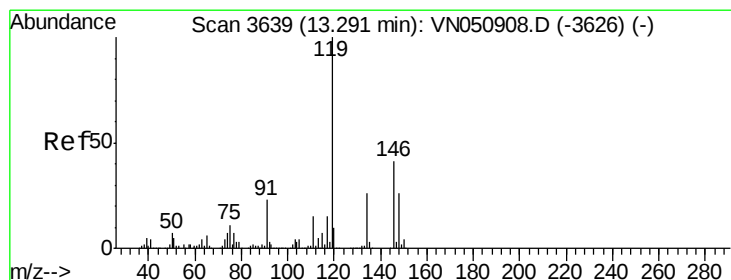
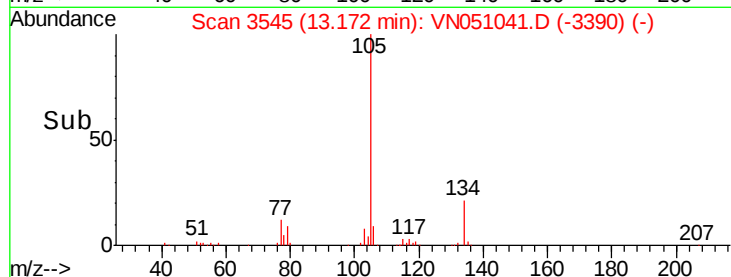
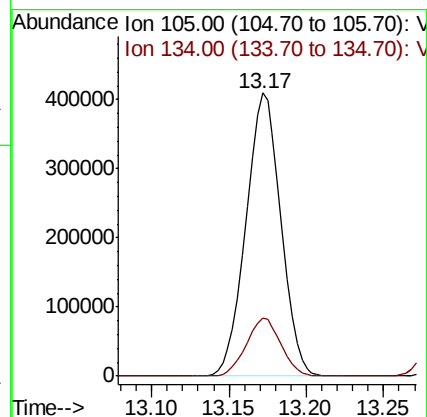
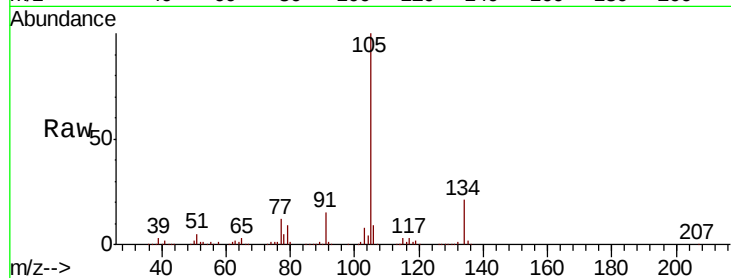
134 20.4 0.0 40.8

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#82

p-Isopropyltoluene

Concen: 18.76 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

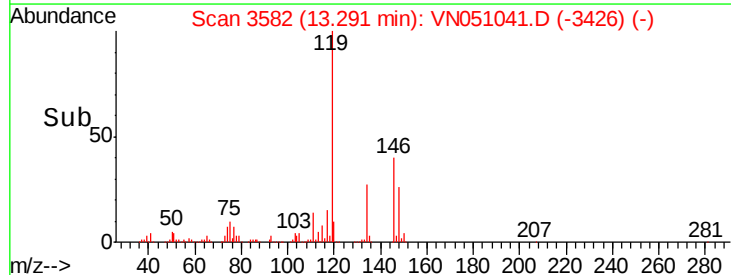
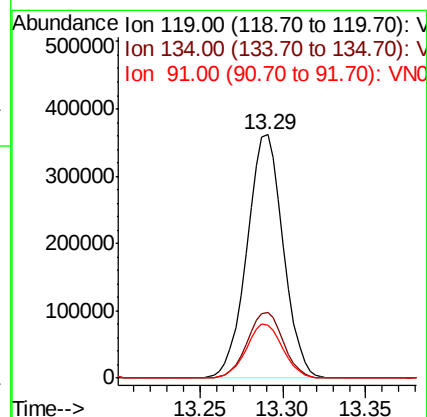
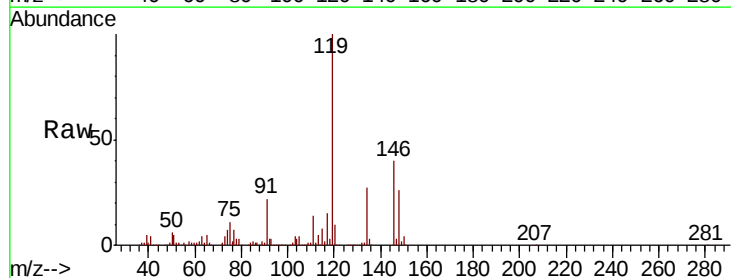
Tgt Ion:119 Resp: 547947

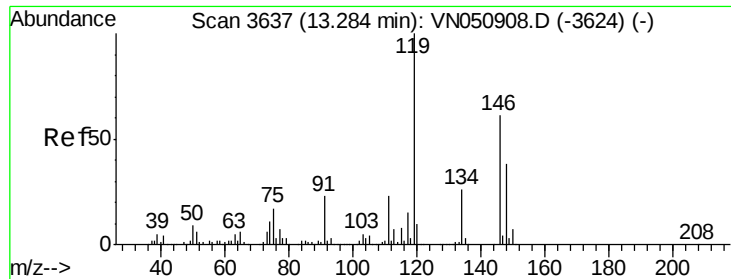
Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

91 22.3 0.0 46.0





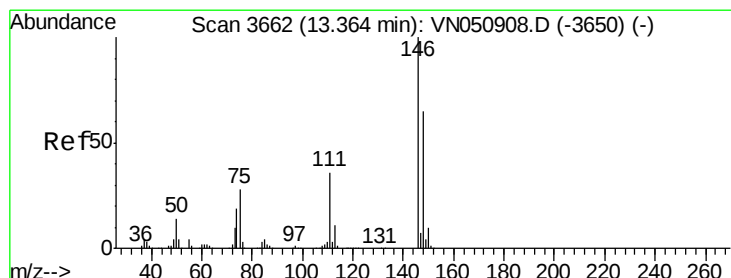
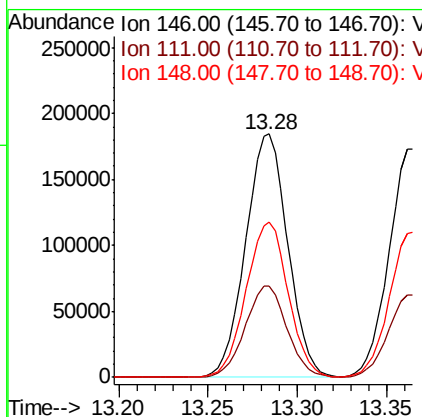
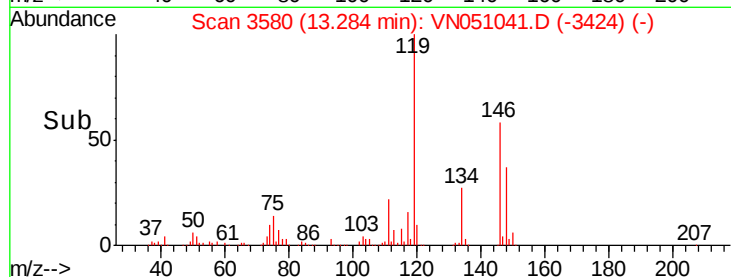
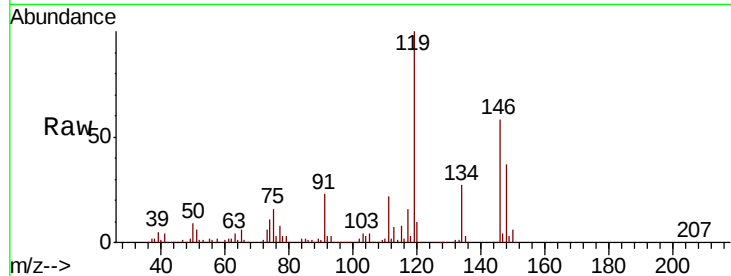
#83
1,3-Dichlorobenzene
Concen: 18.81 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	63.6	31.8	95.3

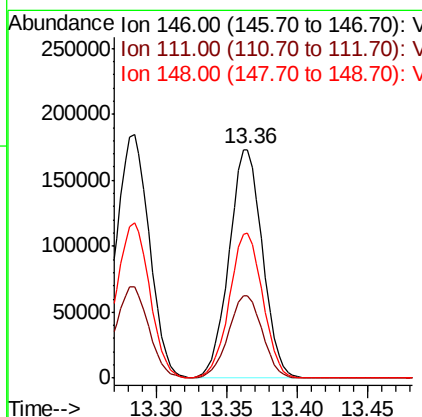
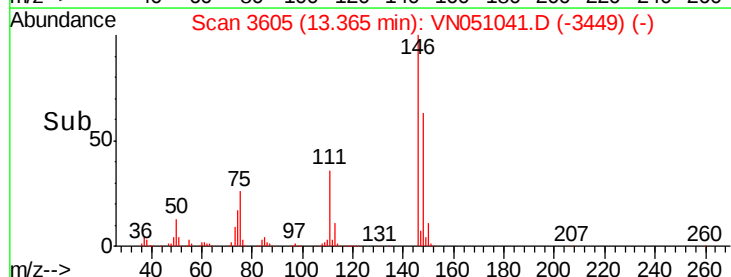
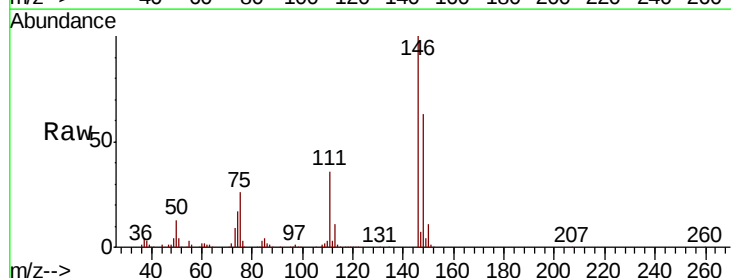
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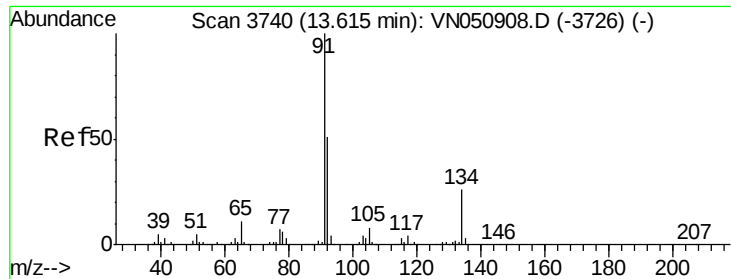
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#84
1,4-Dichlorobenzene
Concen: 18.74 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.7	53.1
148	63.2	31.6	94.8





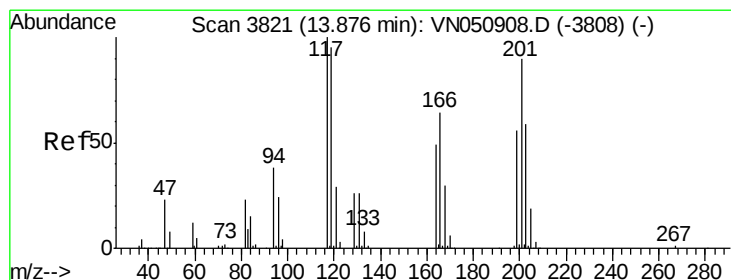
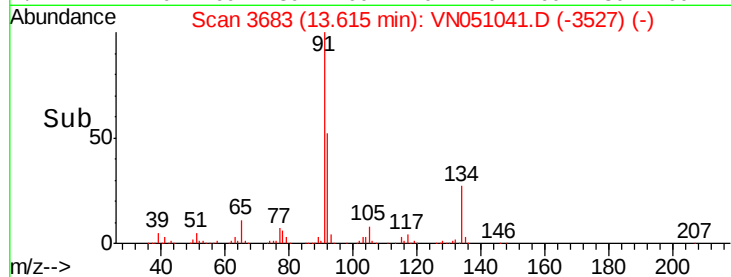
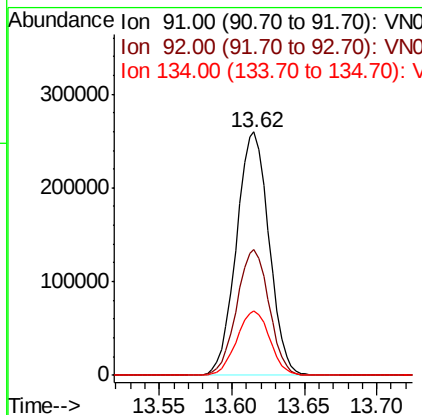
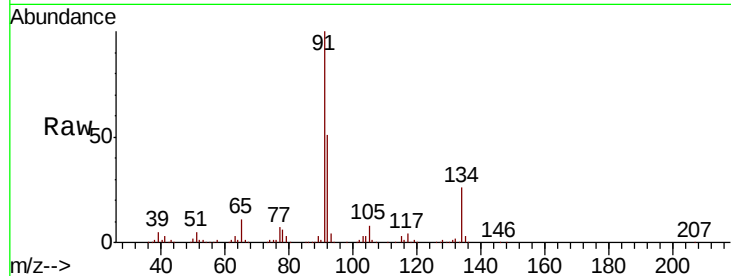
#85
n-Butylbenzene
Concen: 18.19 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.1	0.0	101.8	
134	26.7	0.0	52.2	

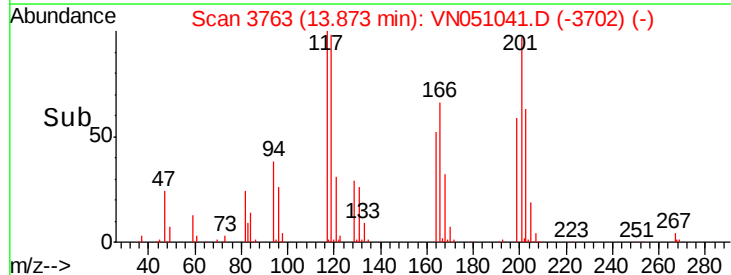
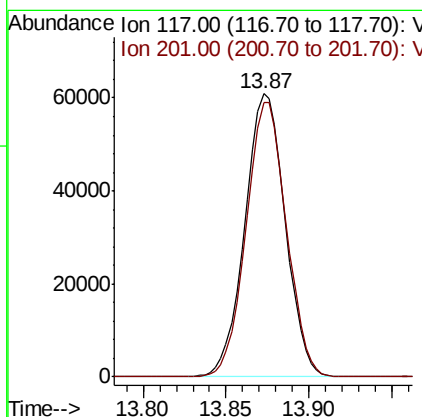
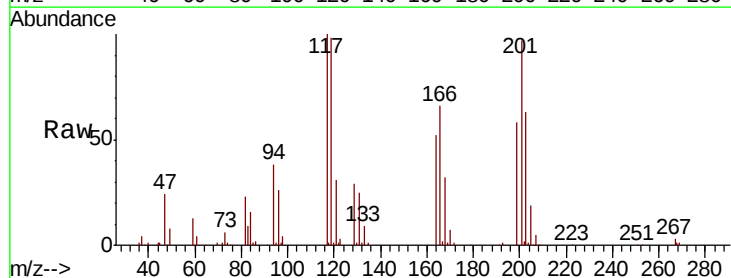
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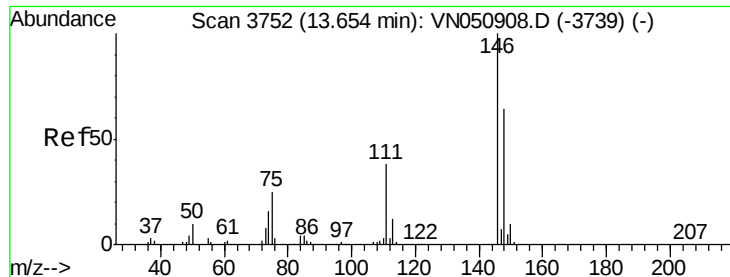
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#86
Hexachloroethane
Concen: 18.37 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.4	45.8	137.4	





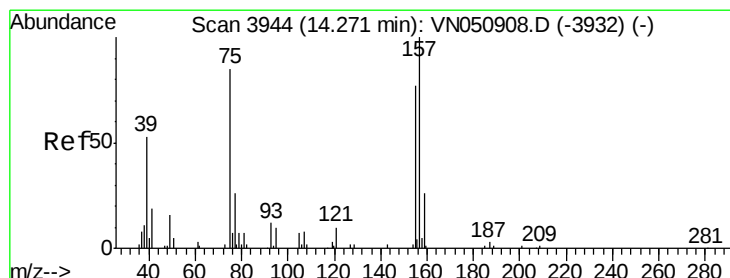
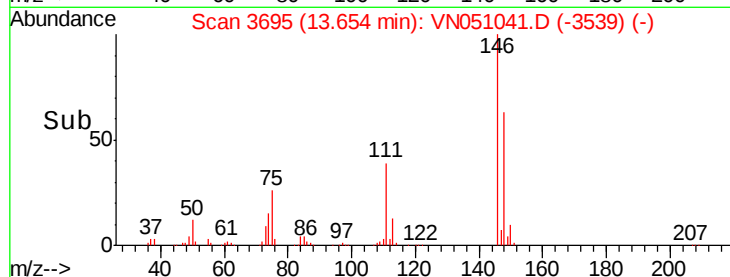
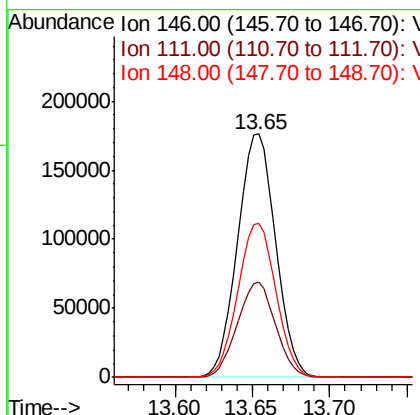
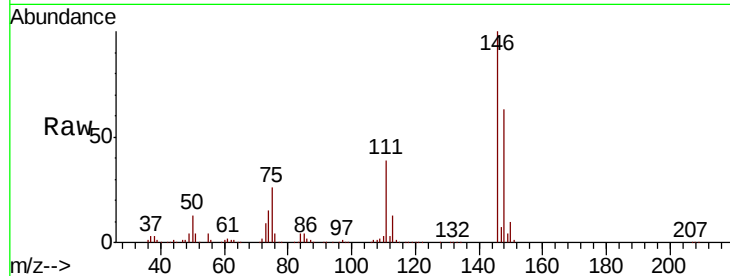
#87
 1,2-Dichlorobenzene
 Concen: 18.96 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	302531		
111	39.1	19.1	57.1	
148	63.3	31.9	95.9	

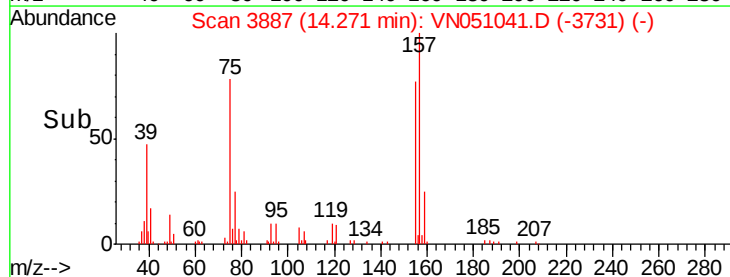
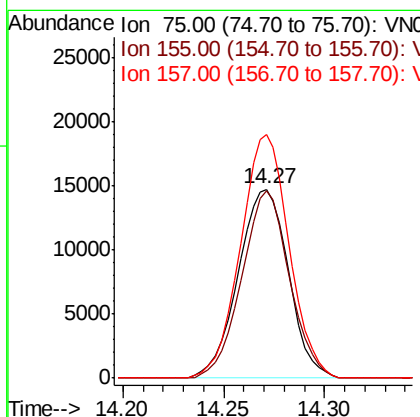
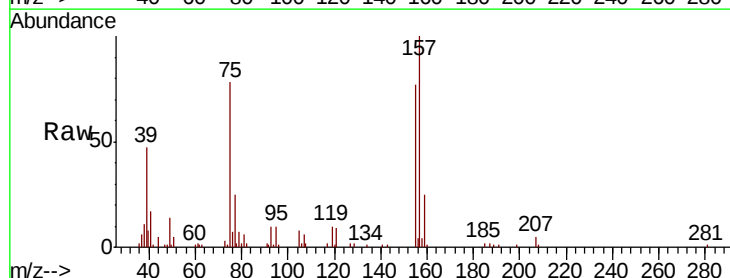
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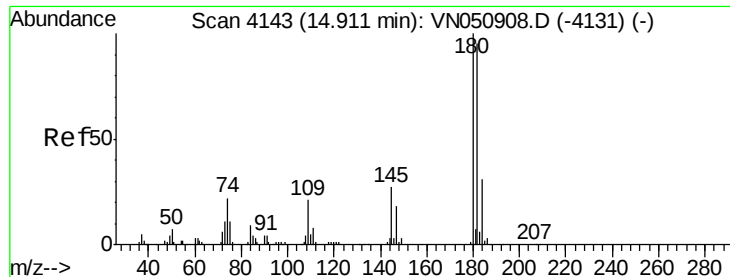
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.54 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25598		
155	94.0	71.8	107.6	
157	124.8	91.1	136.7	





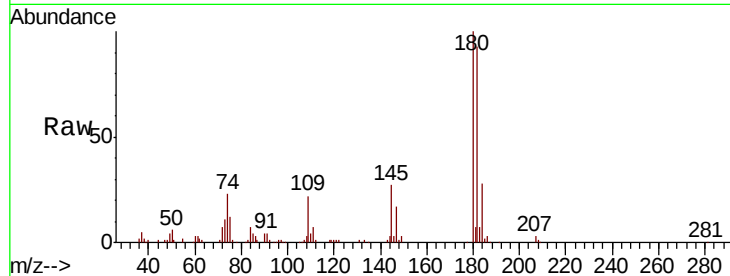
#89
 1,2,4-Trichlorobenzene
 Concen: 16.75 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118979		
182	94.6	76.2	114.4	
145	27.3	22.2	33.4	

Manual Integrations
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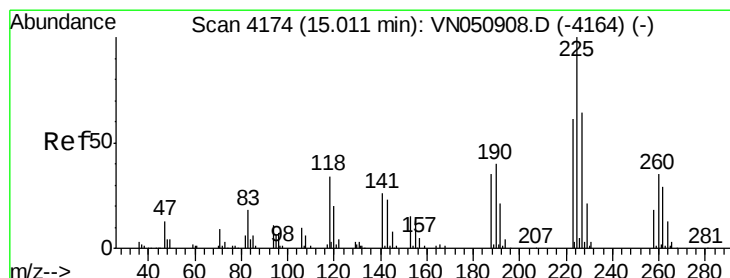
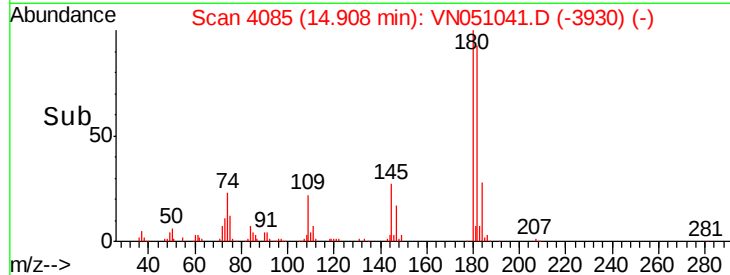
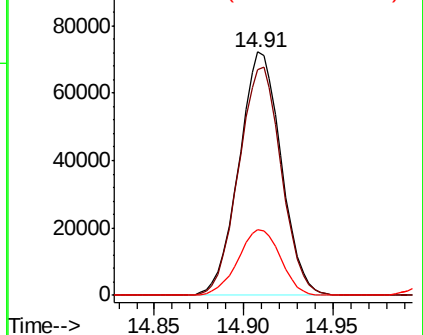


Abundance

Ion 180.00 (179.70 to 180.70): V

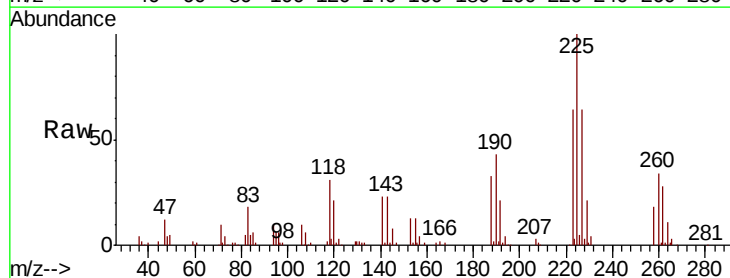
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 21.64 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104452		
223	62.0	0.0	127.8	
227	63.5	0.0	128.4	

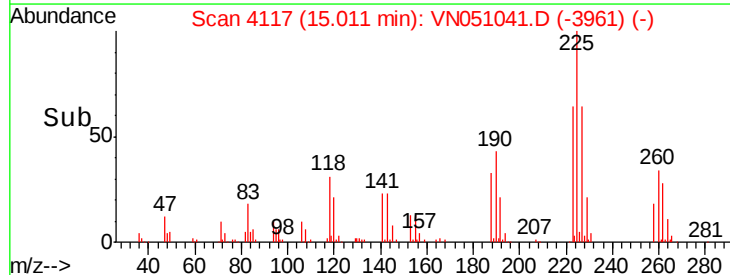
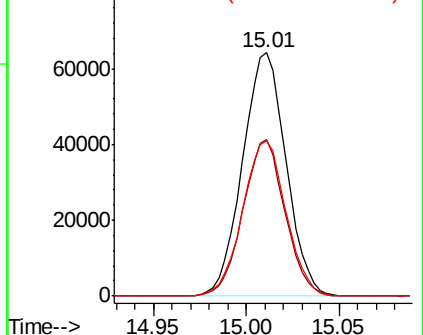


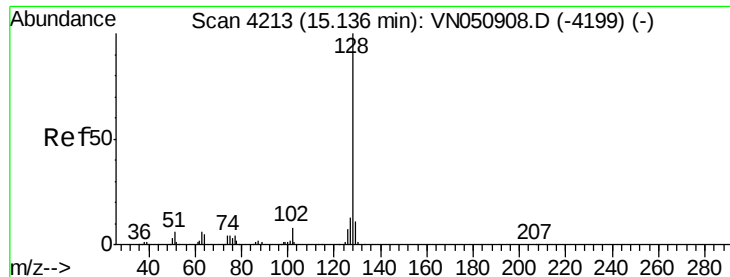
Abundance

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





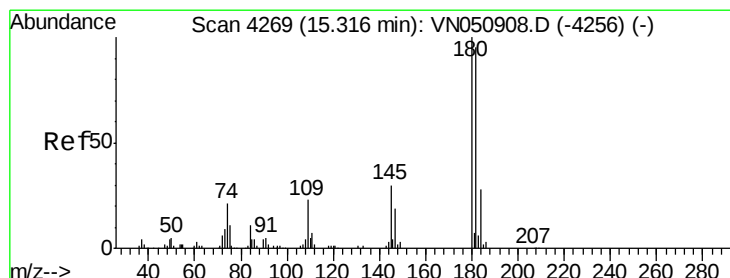
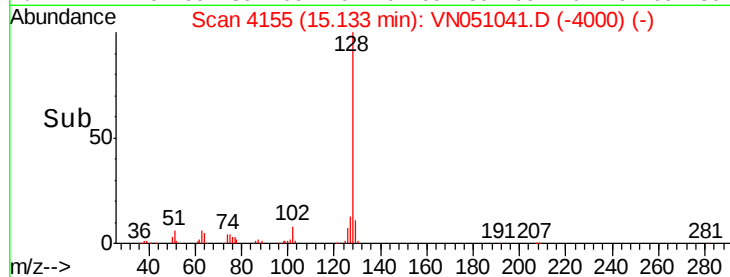
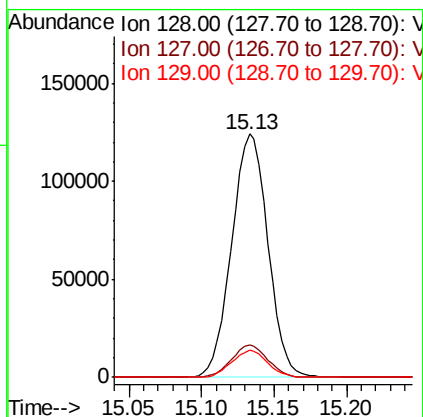
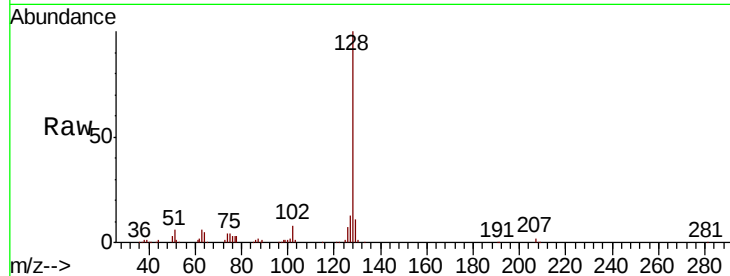
#91
Naphthalene
Concen: 18.30 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	128	Resp:	215979
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:52:58 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.84 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:	180	Resp:	120096
Ion Ratio	Lower	Upper	
180	100		
182	97.3	0.0	192.8
145	30.2	0.0	60.0

