

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050996.D
 Acq On : 31 Aug 2018 18:32
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:28:13 PM

Quant Time: Sep 01 01:41:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118244	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	644081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	544348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222996	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	12.40	95	238884	29.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.37%
63) Toluene-d8	10.09	98	787264	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	142340	19.38	ug/l	100
3) Chloromethane	2.06	50	165020	19.03	ug/l	98
4) Vinyl Chloride	2.18	62	166617	19.45	ug/l	100
5) Bromomethane	2.57	94	94358	18.07	ug/l	97
6) Chloroethane	2.70	64	96610	19.12	ug/l	95
7) Trichlorofluoromethane	3.02	101	221893	19.54	ug/l	100
8) Diethyl Ether	3.41	74	73958	18.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136674	19.43	ug/l	98
10) 1,1-Dichloroethene	3.74	96	122059	19.10	ug/l	99
11) Methyl Iodide	3.96	142	99868	16.75	ug/l	99
12) Methyl Acetate	4.33	43	143629	19.44	ug/l	97
13) Acrolein	3.61	56	7695	47.04	ug/l	99
14) Acrylonitrile	4.99	53	210119	84.12	ug/l	97
15) Acetone	3.82	58	52728	82.49	ug/l	94
16) Carbon Disulfide	4.05	76	350096	18.22	ug/l	100
17) Allyl chloride	4.33	41	189365	18.84	ug/l	99
18) Methylene Chloride	4.55	84	148471	19.80	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	131281	19.28	ug/l	98
20) Diisopropyl ether	5.96	45	412300	19.76	ug/l	98
21) 1,1-Dichloroethane	5.85	63	252560	19.74	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	147912	19.24	ug/l	97
23) tert-Butyl Alcohol	4.79	59	40106	75.50	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	324494	18.57	ug/l	99
25) Chloroform	7.37	83	255530	20.01	ug/l	99
26) Cyclohexane	7.66	56	198036	18.68	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	184635	19.15	ug/l	99
30) 2-Butanone	6.84	43	225556	76.04	ug/l	100
31) 2,2-Dichloropropane	6.83	77	193769	20.65	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	215193	19.68	ug/l	99
33) Carbon Tetrachloride	7.78	117	187074	19.00	ug/l	96
34) Benzene	8.04	78	580670	19.47	ug/l	99
35) Methacrylonitrile	7.18	41	49525	15.24	ug/l	98
36) 1,2-Dichloroethane	8.13	62	171663	19.03	ug/l	99
37) Trichloroethene	8.84	130	149695	19.20	ug/l	97
38) Methylcyclohexane	9.08	83	189137	18.26	ug/l	99
39) 1,2-Dichloropropane	9.12	63	153661	19.72	ug/l	96
40) Dibromomethane	9.21	93	87663	18.68	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	189626	19.17	ug/l	99
42) Vinyl Acetate	5.90	43	1182462	86.54	ug/l	100
43) Ethyl Acetate	6.93	43	99009	16.29	ug/l	98
44) Isopropyl Acetate	8.17	43	193383	18.03	ug/l	97
45) 1,4-Dioxane	9.20	88	24424	306.63	ug/l	96
46) Methyl methacrylate	9.20	41	89024	16.58	ug/l	98
47) n-amyl Acetate	12.07	43	127003	14.73	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	170108	17.54	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	212639	19.09	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	124620	18.28	ug/l	96
51) Ethyl methacrylate	10.43	69	134771	16.15	ug/l	98
52) 1,3-Dichloropropane	10.71	76	205493	18.19	ug/l	99
53) Dibromochloromethane	10.90	129	139967	18.05	ug/l	100
54) 1,2-Dibromoethane	11.01	107	119299	17.69	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	278053	80.10	ug/l	99
56) Bromoform	12.13	173	90777	16.46	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	518550	83.26	ug/l	100
59) 2-Hexanone	10.75	43	315256	77.44	ug/l	99
61) Tetrachloroethene	10.63	164	134684	19.86	ug/l	96
62) Toluene	10.16	91	606620	19.98	ug/l	100
64) Chlorobenzene	11.44	112	366550	19.48	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	143813	20.24	ug/l	99
66) Ethyl Benzene	11.51	91	598125	19.01	ug/l	99
67) m/p-Xylenes	11.62	106	475159	39.26	ug/l	99
68) o-Xylene	11.95	106	223960	19.37	ug/l	98
69) Styrene	11.97	104	346394	18.84	ug/l	99
70) Isopropylbenzene	12.25	105	596569	19.41	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	149627	17.98	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	126241m	17.59	ug/l	
73) Bromobenzene	12.53	156	151823	18.78	ug/l	99
74) n-propylbenzene	12.59	91	658150	18.94	ug/l	99
75) 2-Chlorotoluene	12.68	91	413761	19.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	488617	19.46	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	31434	15.37	ug/l	97
78) 4-Chlorotoluene	12.77	91	391238	18.83	ug/l	100
79) tert-butylbenzene	12.99	119	423239	19.41	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	485031	19.37	ug/l	100
81) sec-Butylbenzene	13.17	105	546036	19.14	ug/l	99
82) p-Isopropyltoluene	13.29	119	465495	18.90	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	250896	18.35	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	227082	17.53	ug/l	97
85) n-Butylbenzene	13.62	91	326976	17.40	ug/l	100
86) Hexachloroethane	13.87	117	86301	18.25	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	246636	18.33	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18137	15.58	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	86465	14.43	ug/l	99
90) Hexachlorobutadiene	15.01	225	78787	19.36	ug/l	99
91) Naphthalene	15.13	128	161096	17.18	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	91138	15.16	ug/l	100

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QLast Update : Wed Aug 29 01:38:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

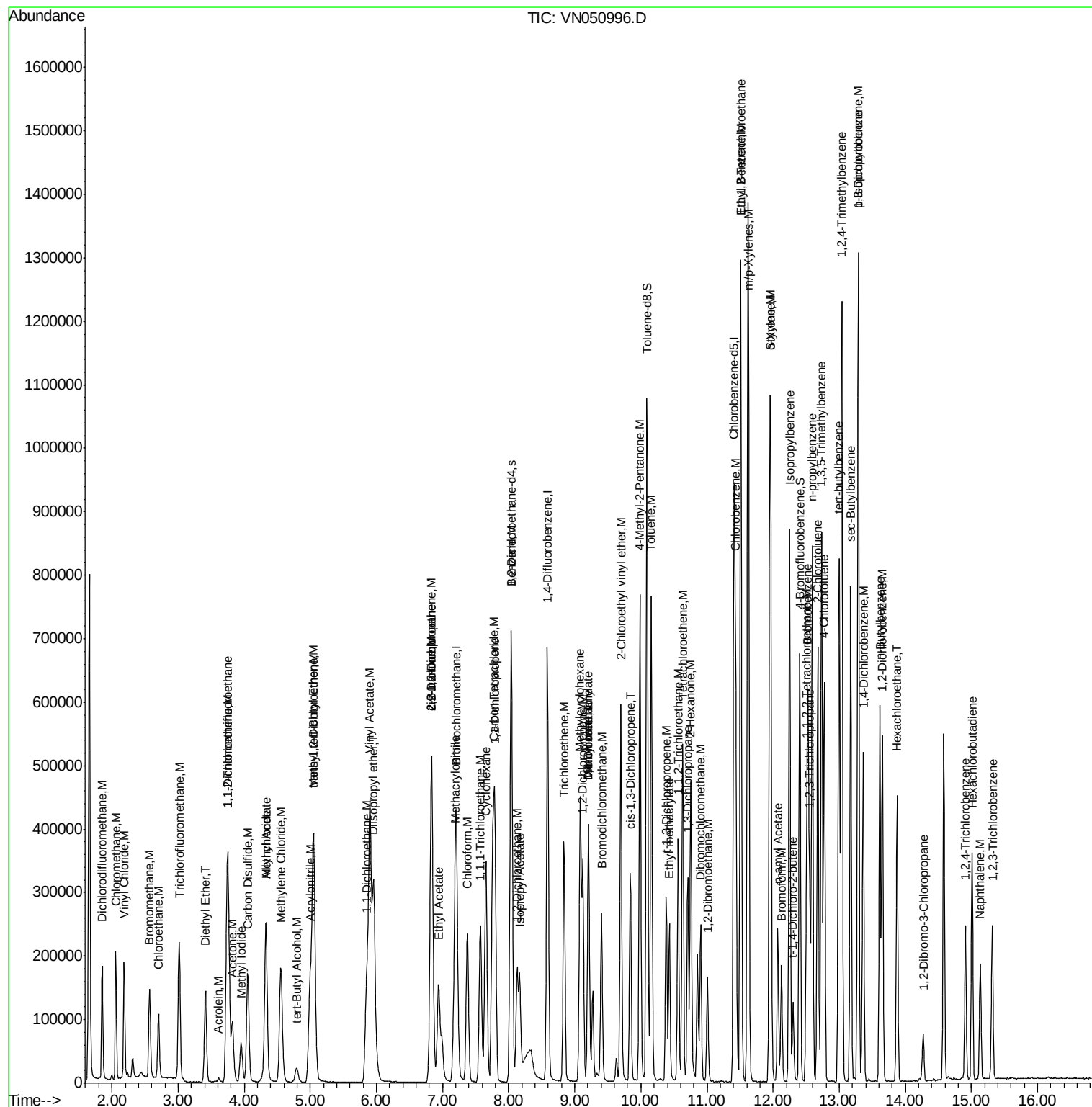
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
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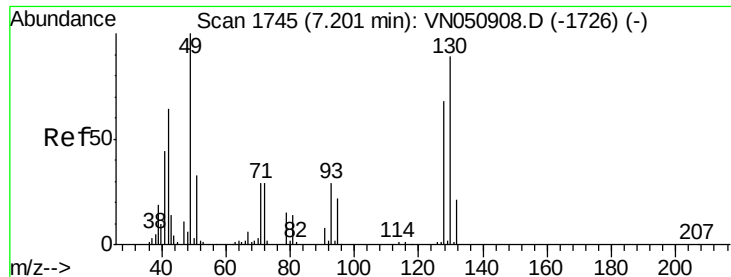
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

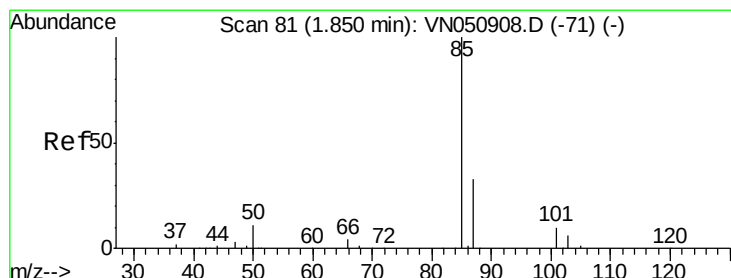
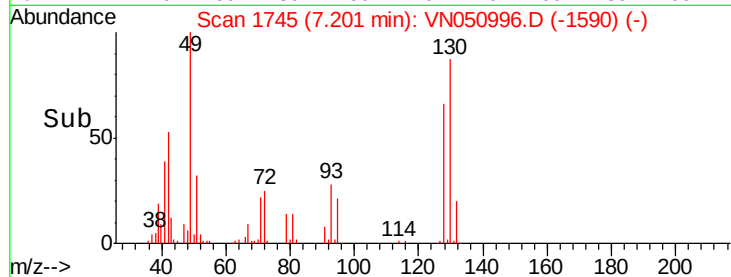
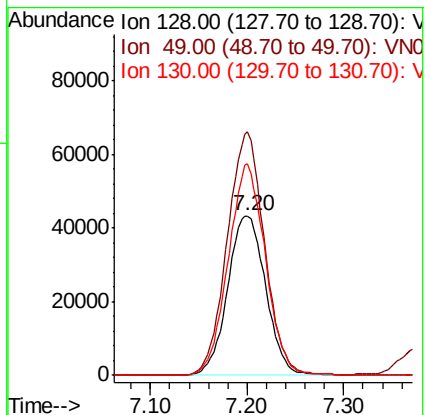
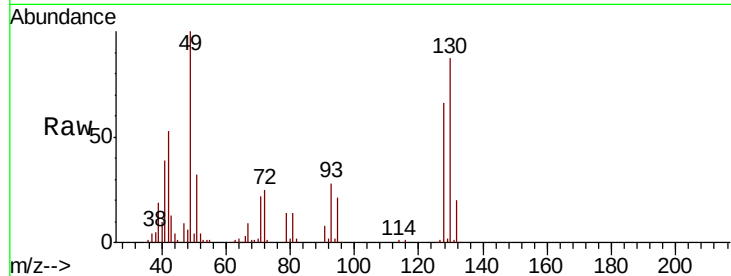
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	118244
Ion	Ratio	Lower	Upper
128	100		
49	149.8	0.0	380.3
130	129.5	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.38 ug/l

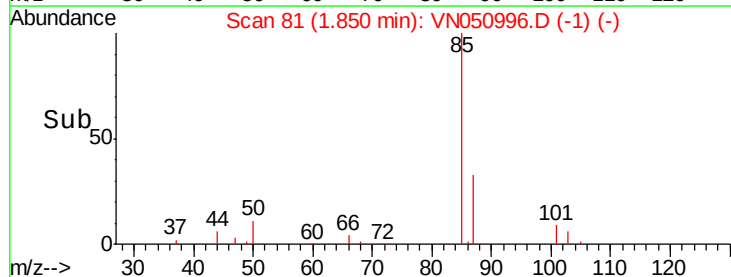
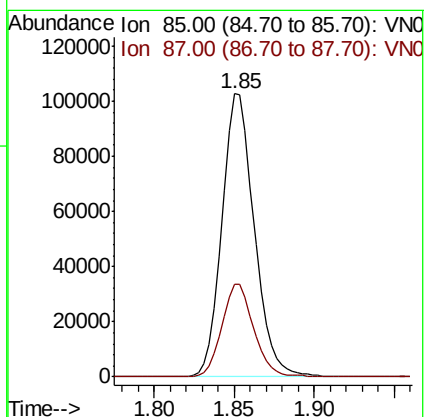
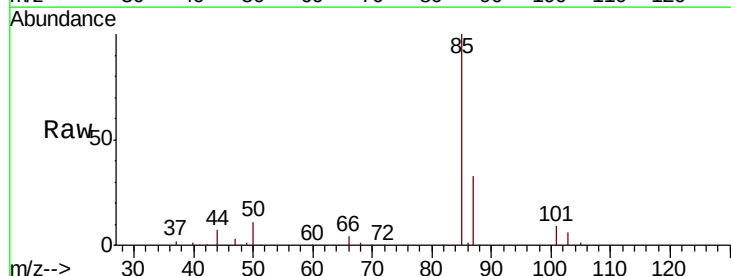
RT: 1.85 min Scan# 81

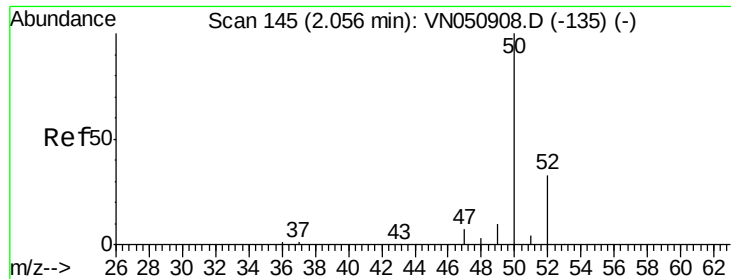
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	85	Resp:	142340
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.4	49.1





#3

Chloromethane

Concen: 19.03 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 165020

Ion Ratio Lower Upper

50 100

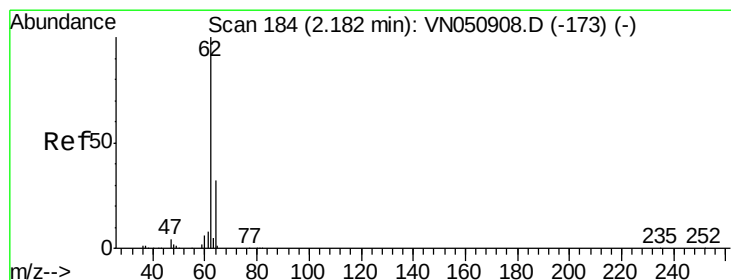
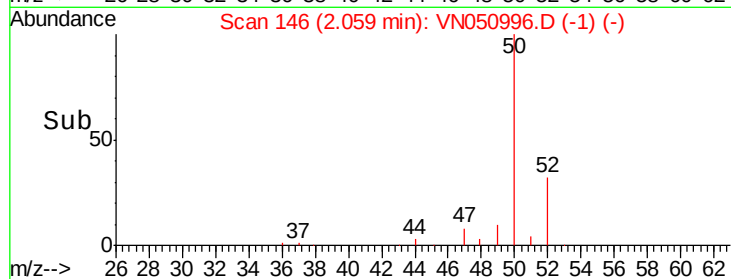
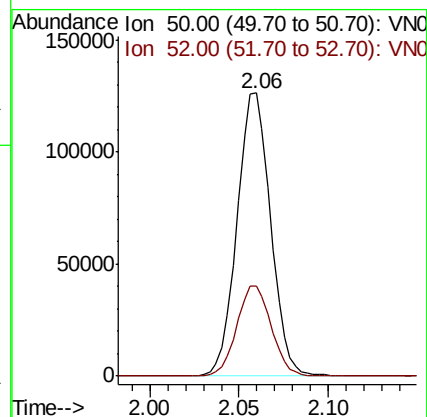
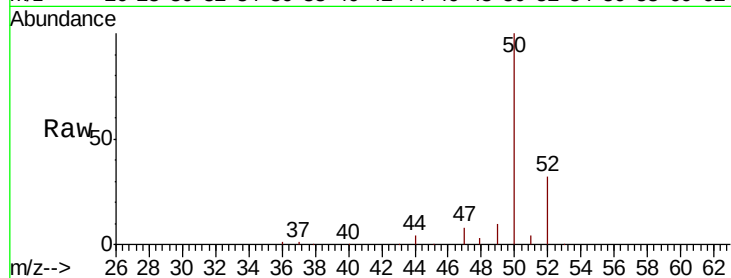
52 31.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.45 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050996.D

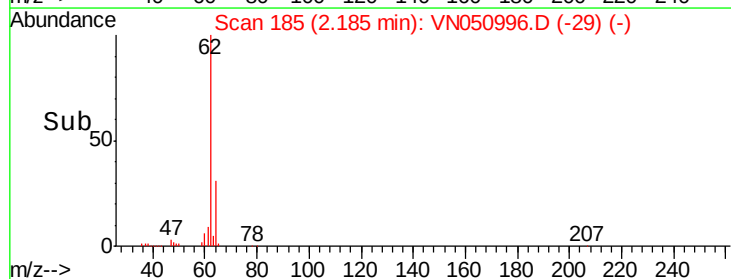
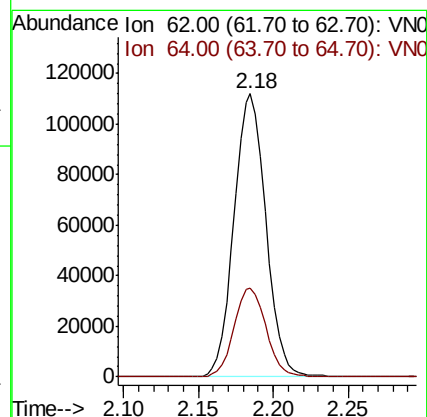
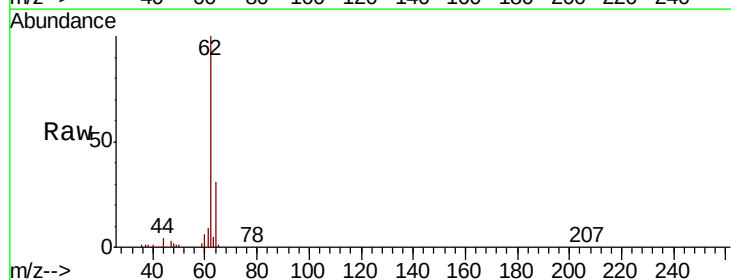
Acq: 31 Aug 2018 18:32

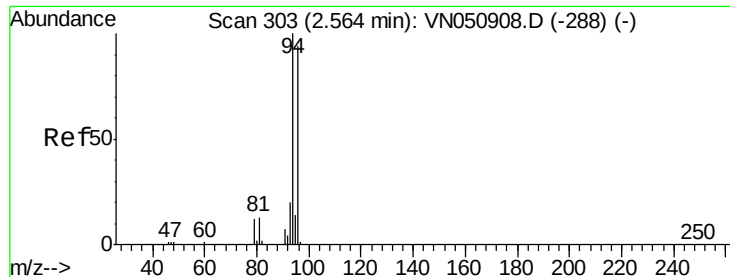
Tgt Ion: 62 Resp: 166617

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 18.07 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 94358

Ion Ratio Lower Upper

94 100

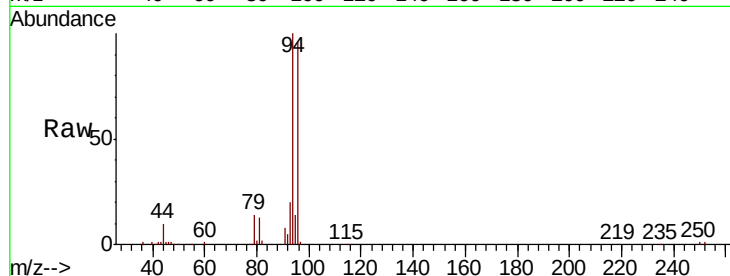
96 96.3 74.9 112.3

Manual Integrations

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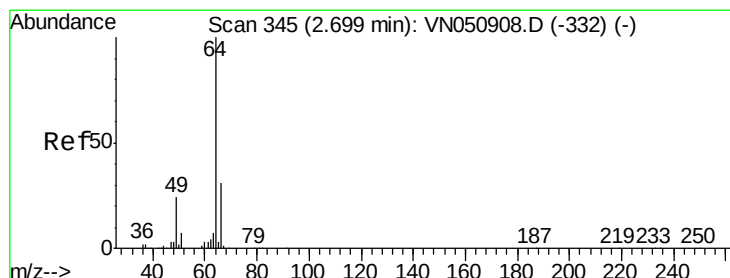
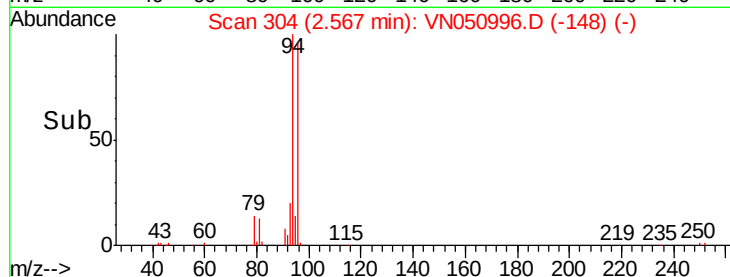
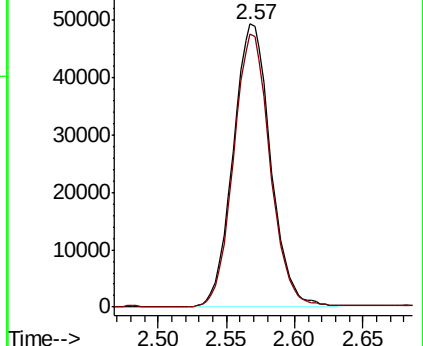
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.12 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050996.D

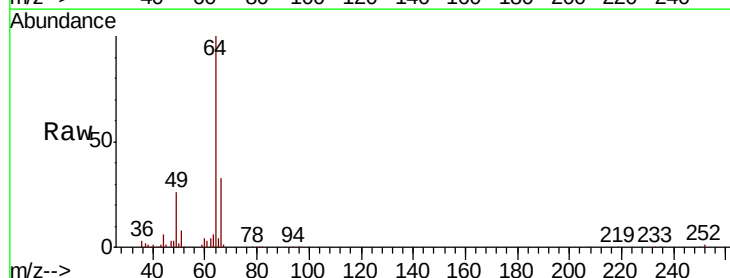
Acq: 31 Aug 2018 18:32

Tgt Ion: 64 Resp: 96610

Ion Ratio Lower Upper

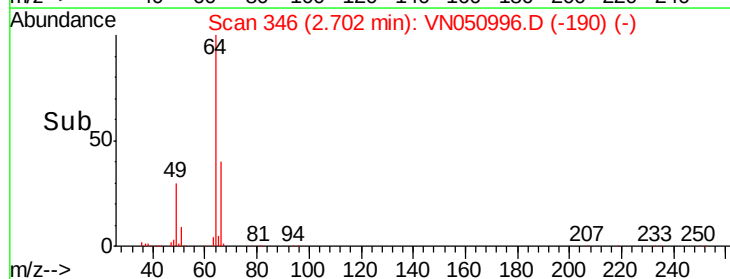
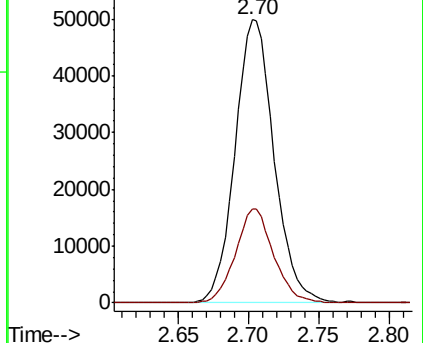
64 100

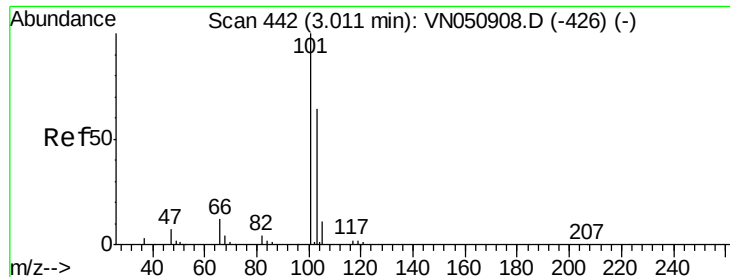
66 33.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

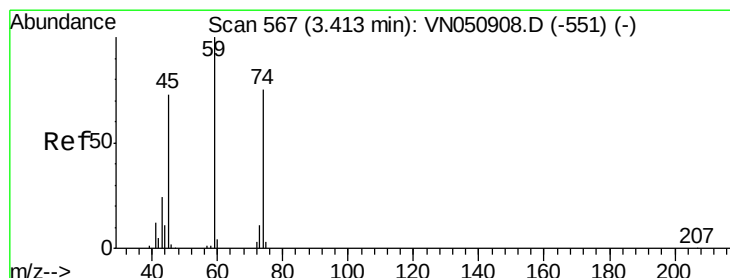
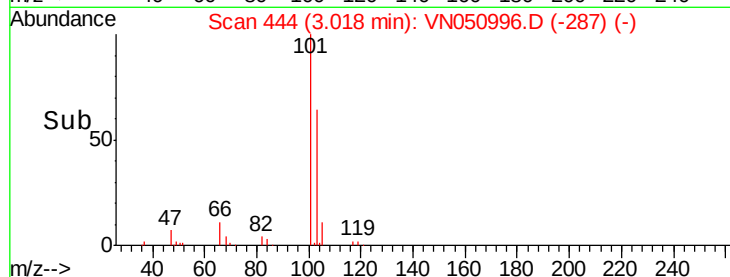
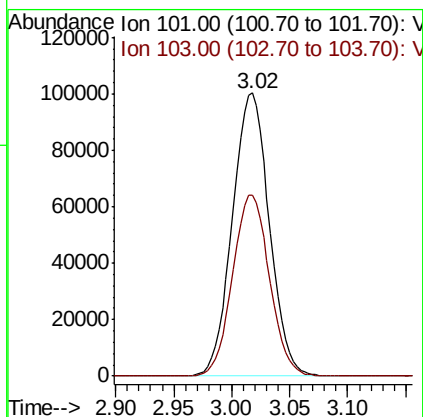
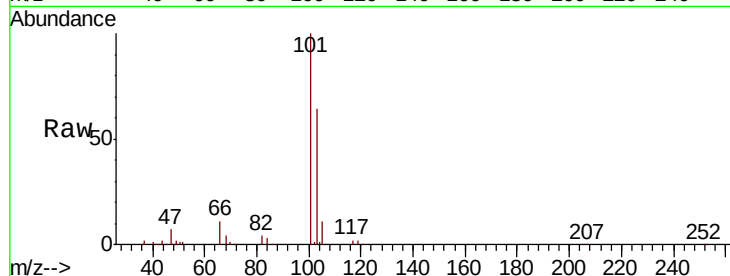
Trichlorofluoromethane
 Concen: 19.54 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	221893		
103	63.9	51.3	76.9	

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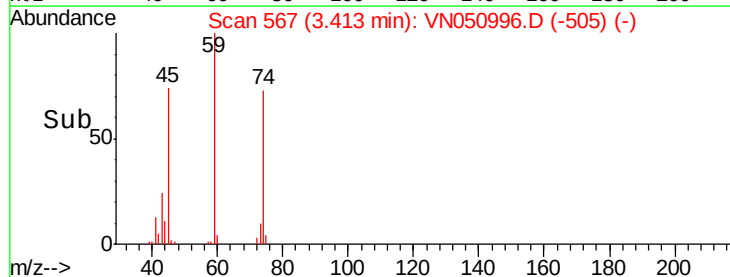
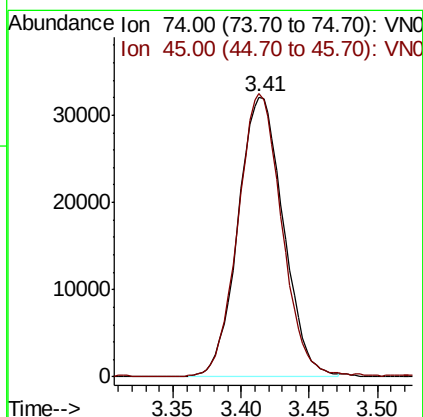
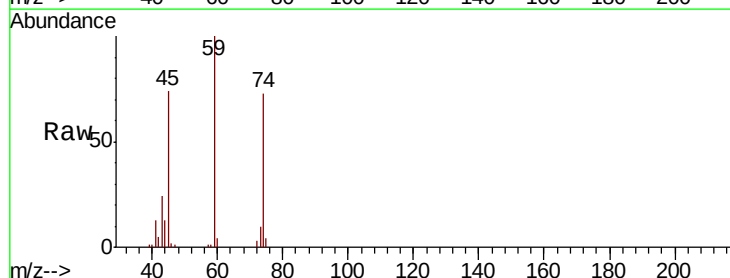
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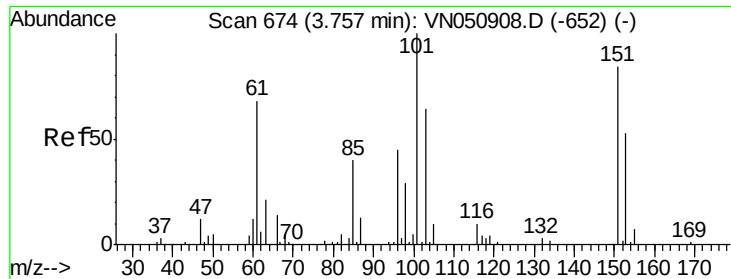


#8

Diethyl Ether
 Concen: 18.47 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	73958		
45	98.2	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

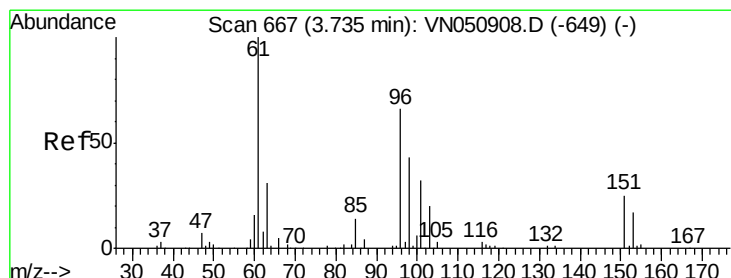
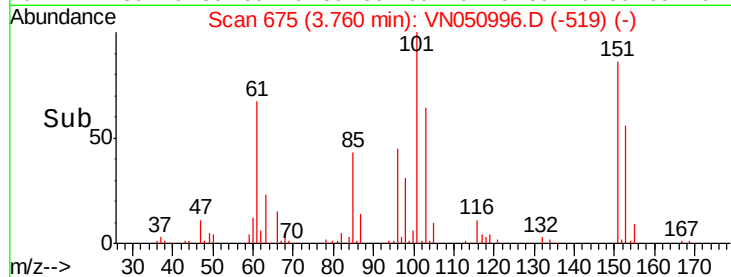
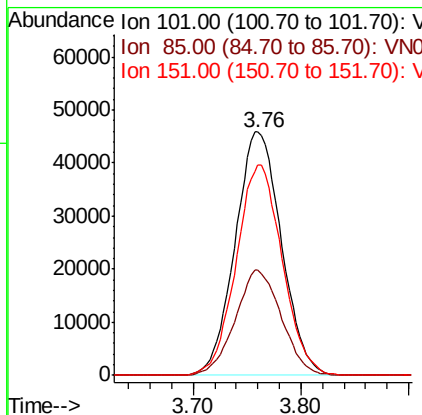
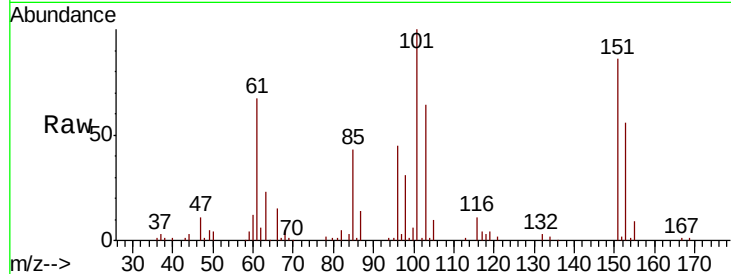
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	136674
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	83.6
151	86.0	0.0	167.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.10 ug/l

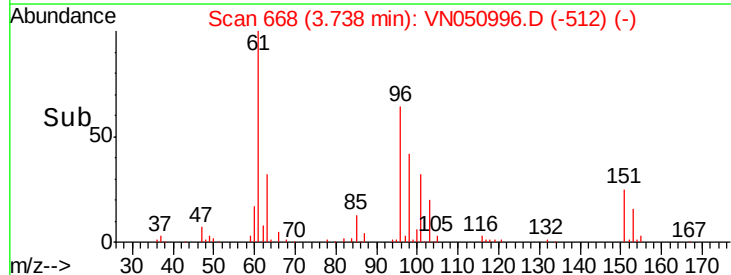
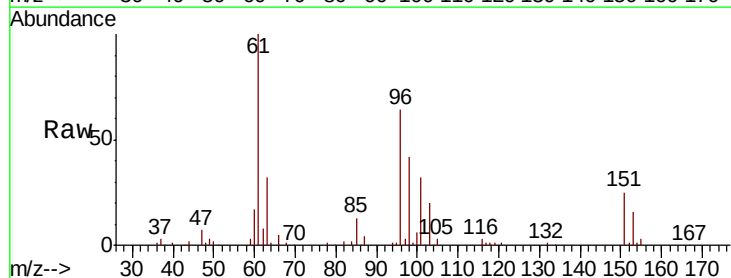
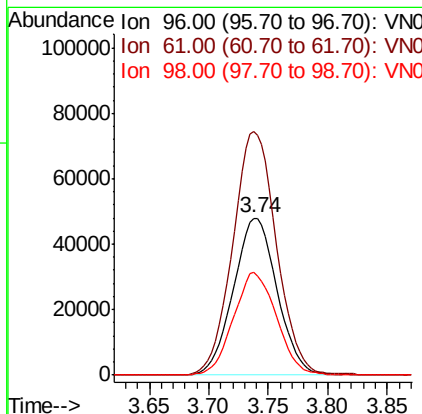
RT: 3.74 min Scan# 668

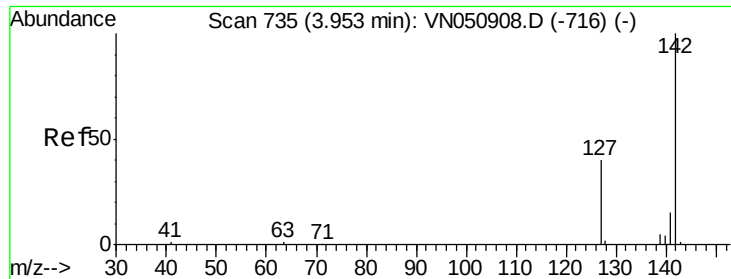
Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	96	Resp:	122059
Ion Ratio	Lower	Upper	
96	100		
61	154.5	121.8	182.8
98	65.5	52.3	78.5





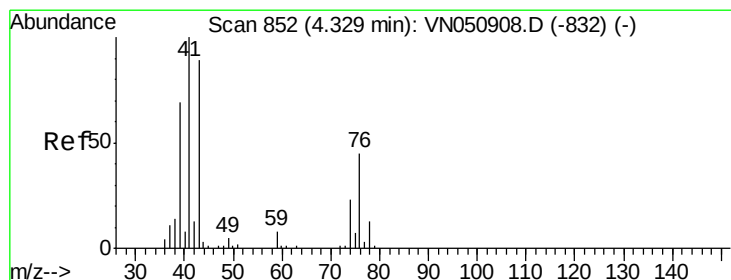
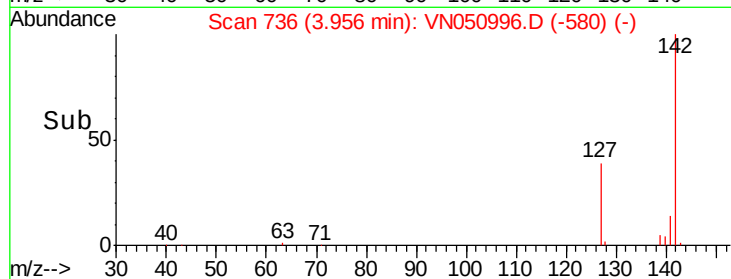
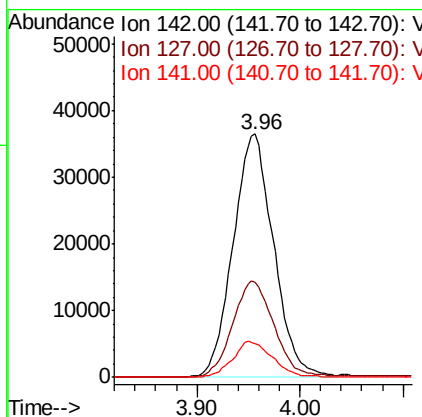
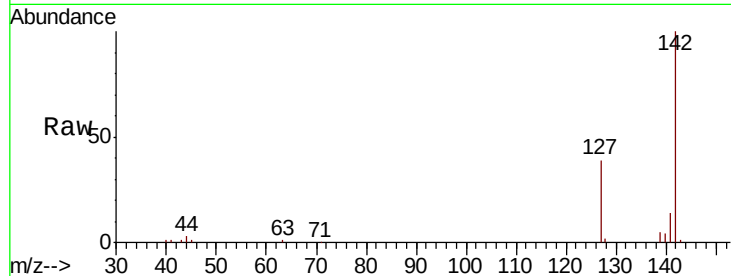
#11
Methyl Iodide
Concen: 16.75 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.9	19.7	59.1
141	13.5	7.3	22.0

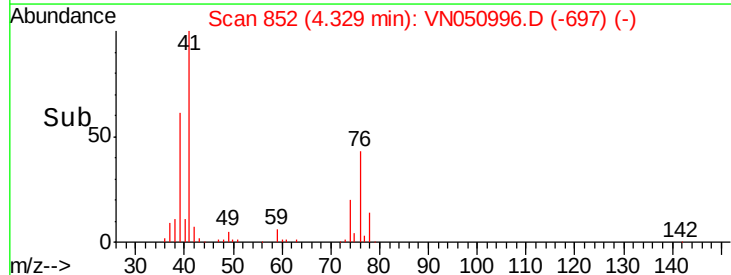
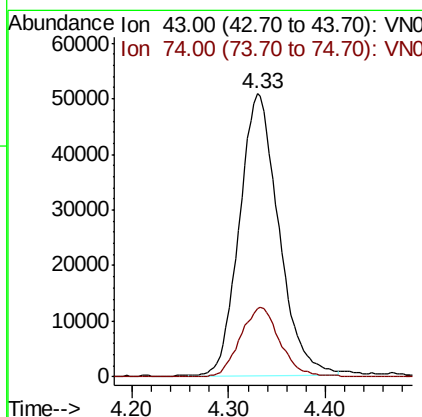
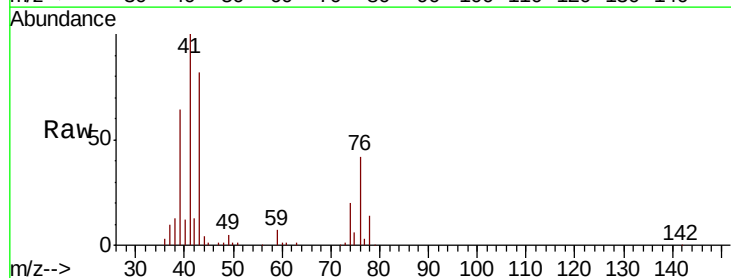
Manual Integrations
APPROVED

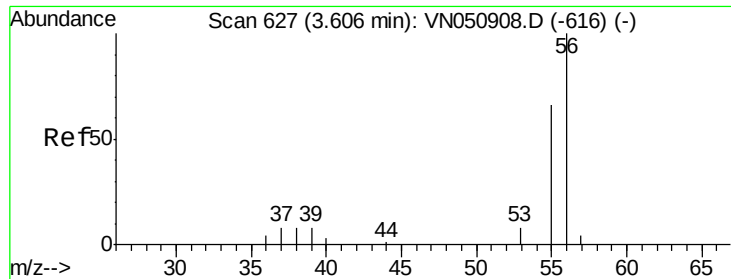
MMDadoda
9/4/2018 12:28:13 PM



#12
Methyl Acetate
Concen: 19.44 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.6	31.0





#13

Acrolein

Concen: 47.04 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 7695

Ion Ratio Lower Upper

56 100

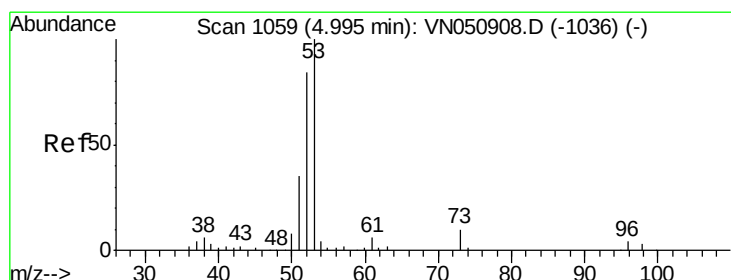
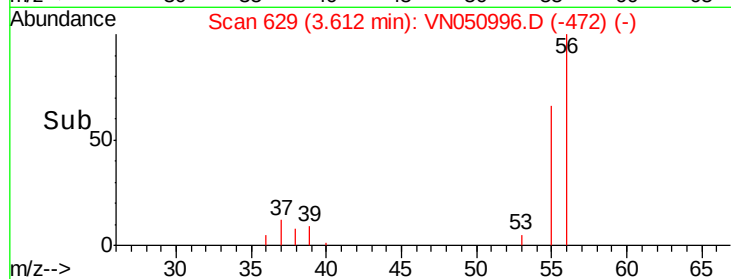
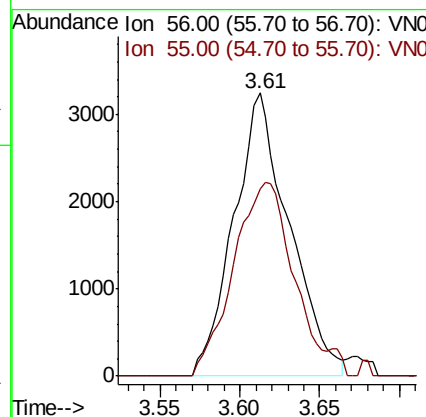
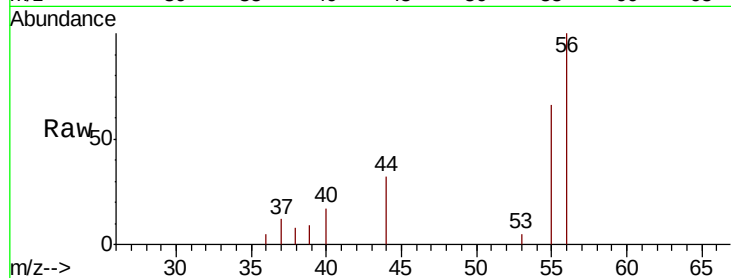
55 73.4 59.1 88.7

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 84.12 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

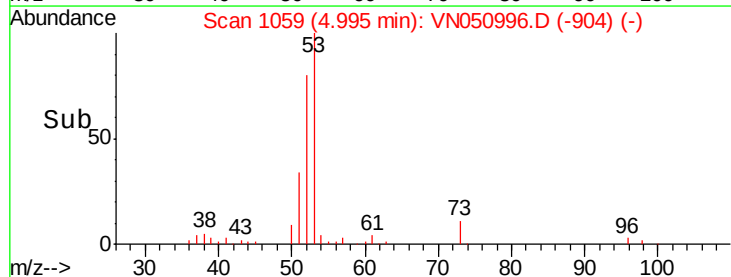
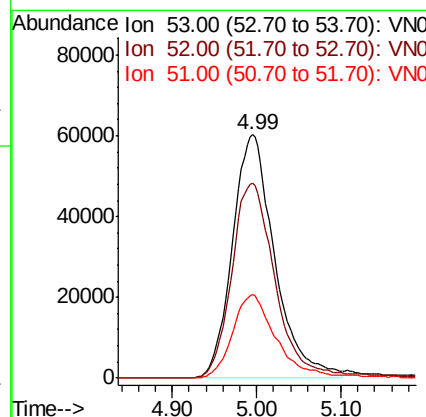
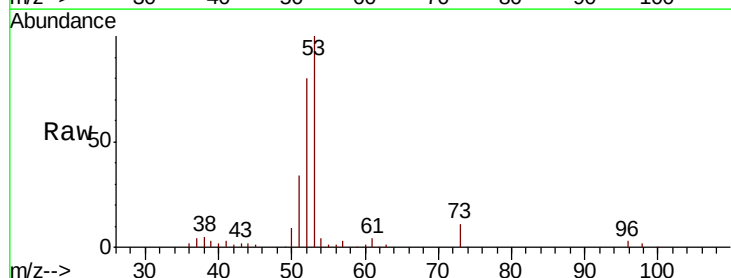
Tgt Ion: 53 Resp: 210119

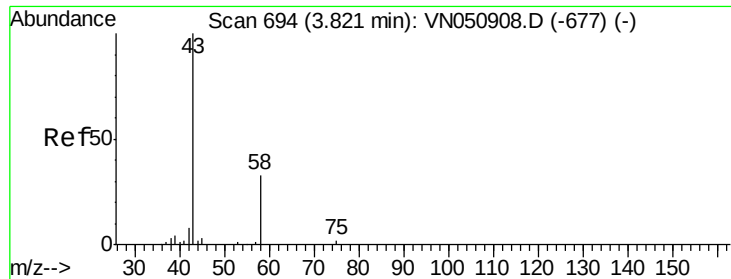
Ion Ratio Lower Upper

53 100

52 81.2 42.2 126.6

51 35.2 17.7 53.1





#15

Acetone

Concen: 82.49 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 52728

Ion Ratio Lower Upper

58 100

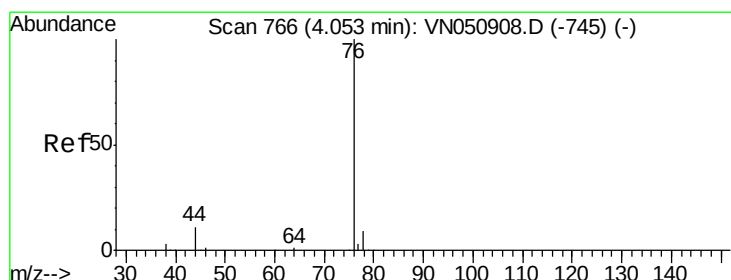
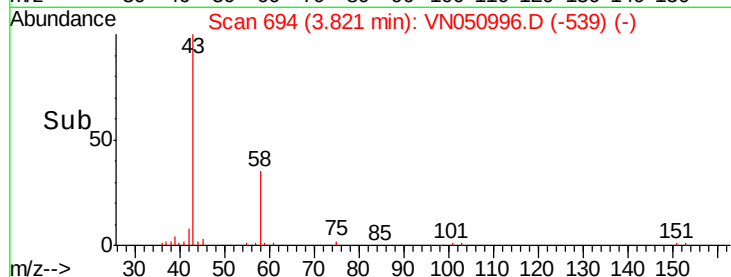
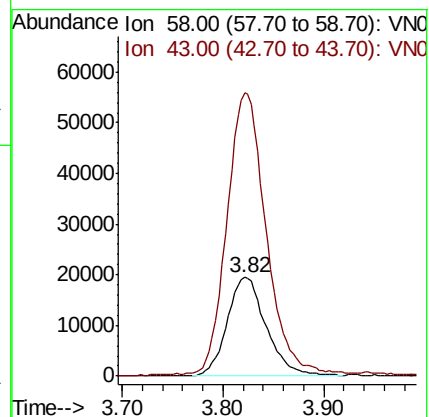
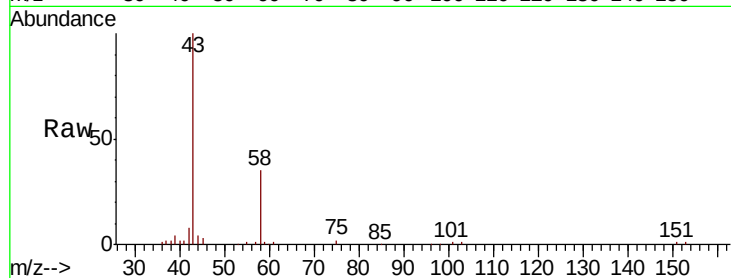
43 286.6 239.4 359.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.22 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050996.D

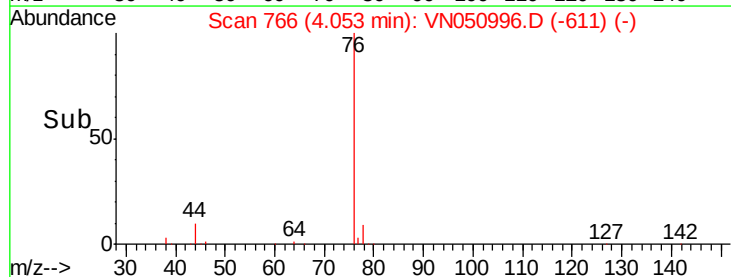
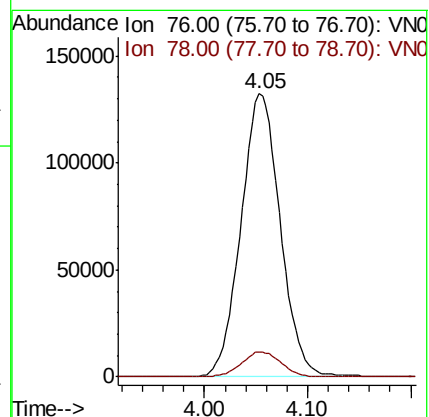
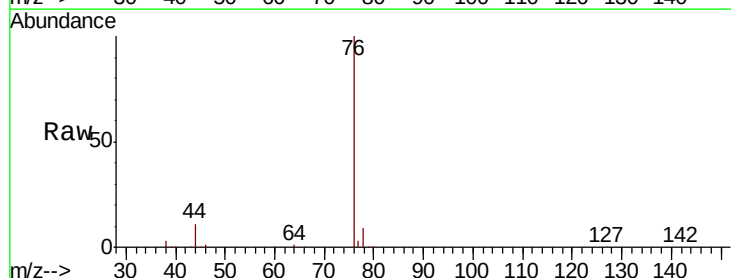
Acq: 31 Aug 2018 18:32

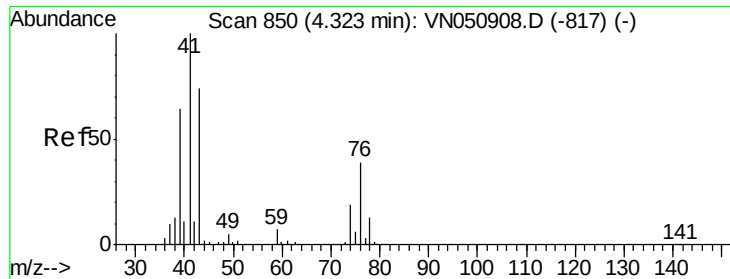
Tgt Ion: 76 Resp: 350096

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





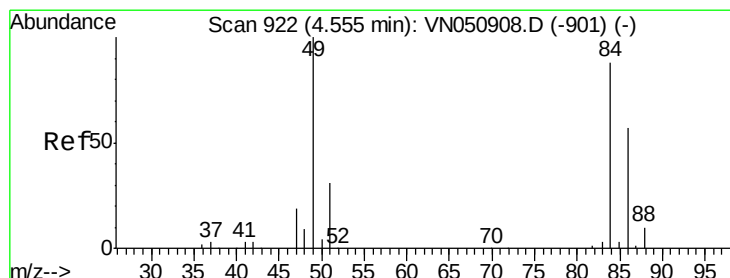
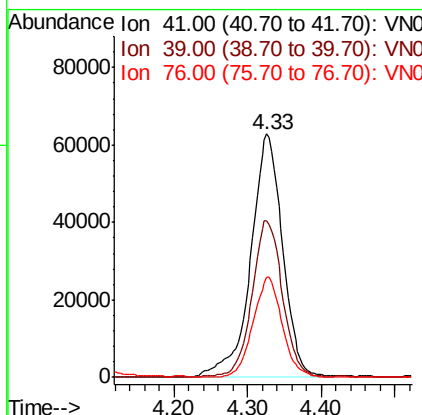
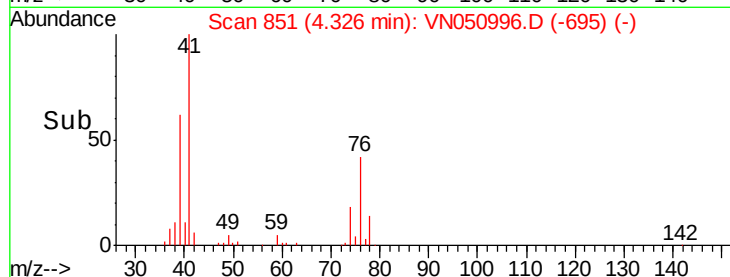
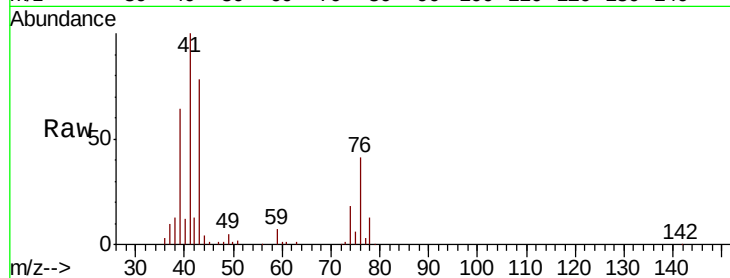
#17
Allvl chloride
Concen: 18.84 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.2	96.6
76	40.8	19.6	58.7

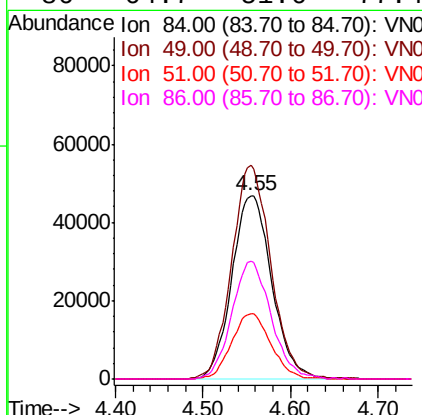
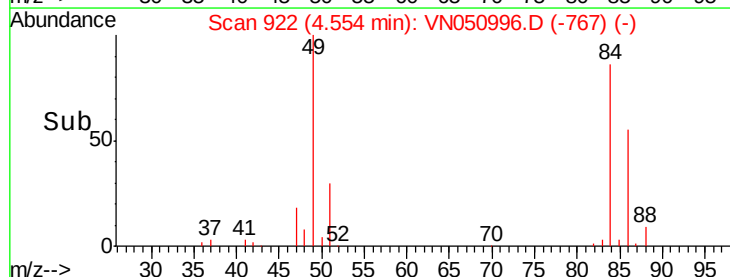
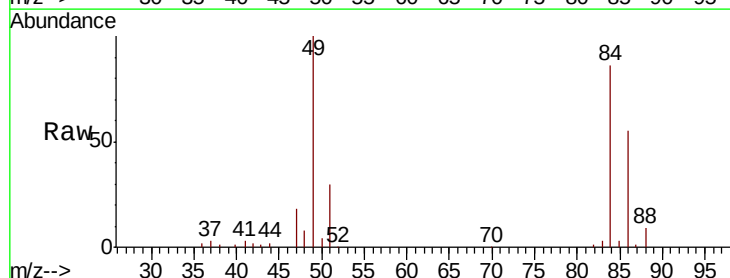
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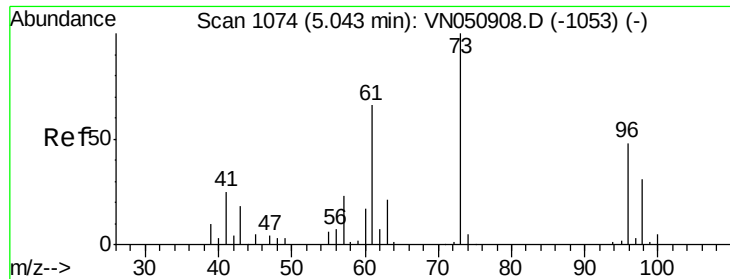
MMDadoda
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#18
Methylene Chloride
Concen: 19.80 ug/l
RT: 4.55 min Scan# 922
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	90.6	135.8
51	35.5	28.4	42.6
86	64.7	51.6	77.4





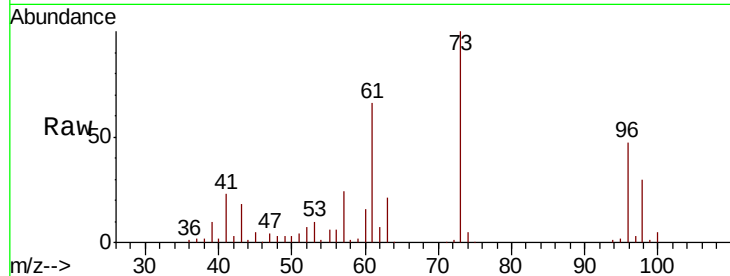
#19
trans-1,2-Dichloroethene
Concen: 19.28 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	109.5	164.3
98	64.5	51.9	77.9

Manual Integrations
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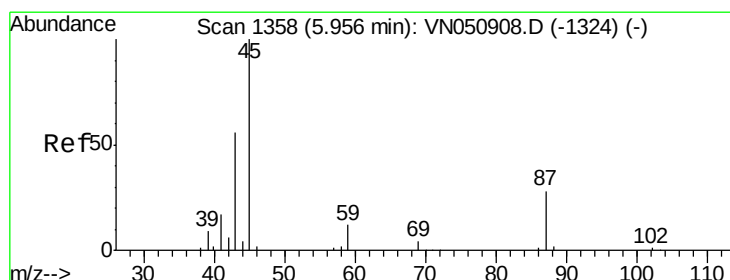
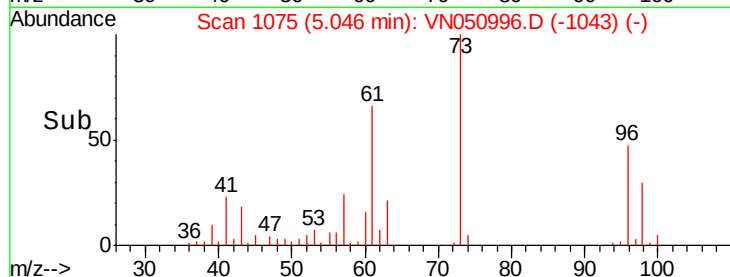
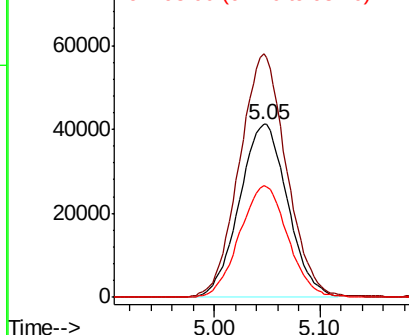


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.76 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.0	70.6
87	29.4	22.8	34.2
59	11.5	9.5	14.3

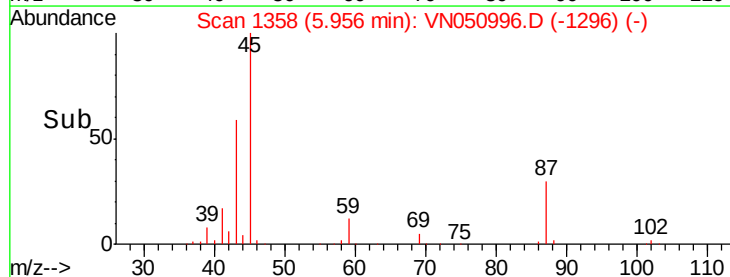
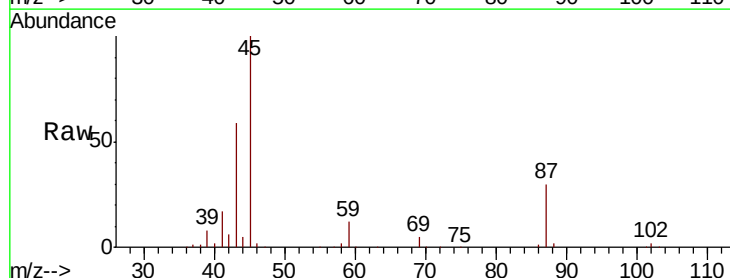
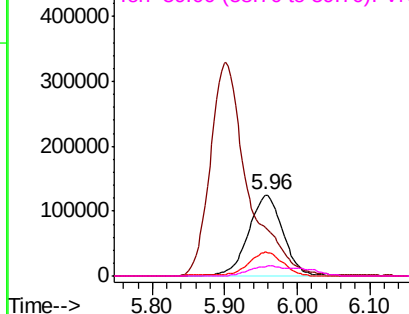
Abundance

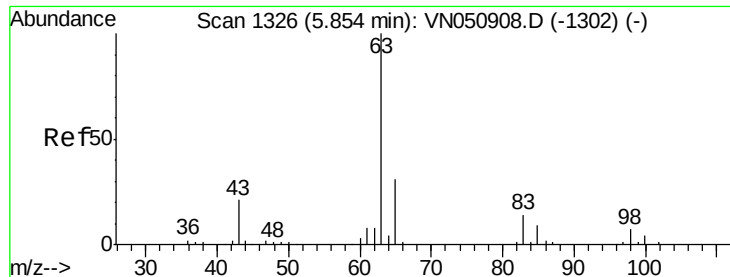
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.74 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

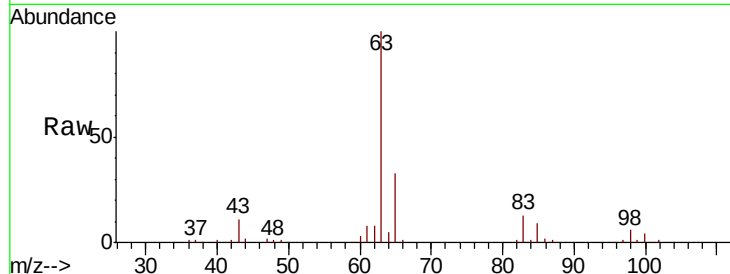
ClientSampled :

VSTDCCC020

Tot Ion	63	Resp	252560
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.9
100	4.1	2.0	6.0

Manual Integrations
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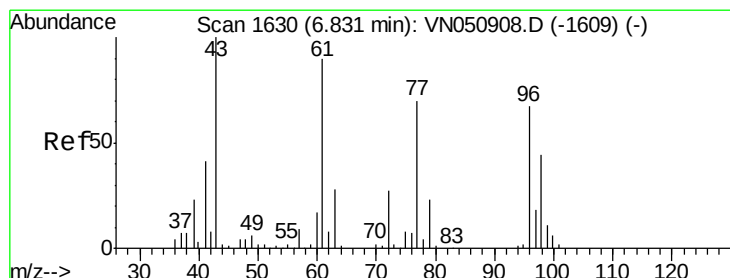
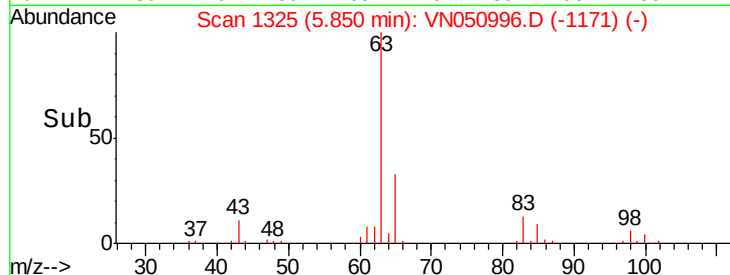
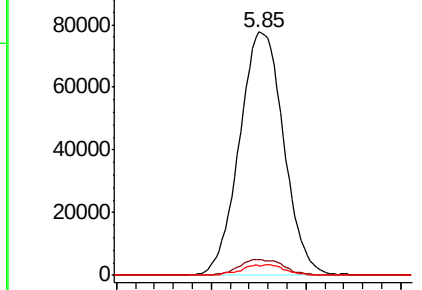
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Abundance Ion 63.00 (62.70 to 63.70): VN050996.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VN050996.D (-1171) (-)

Ion 100.00 (99.70 to 100.70): VN050996.D (-1171) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.24 ug/l

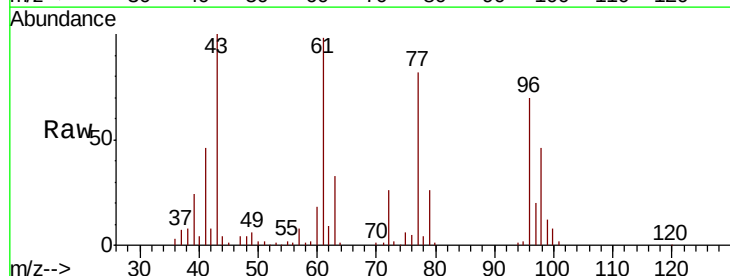
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

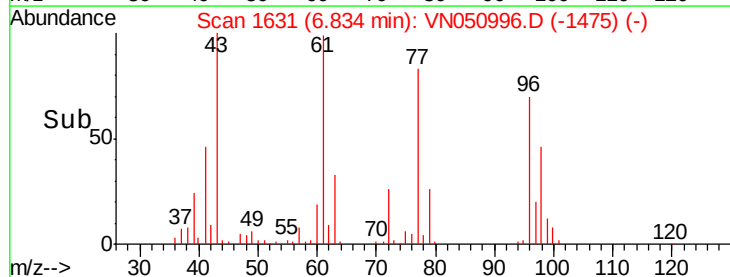
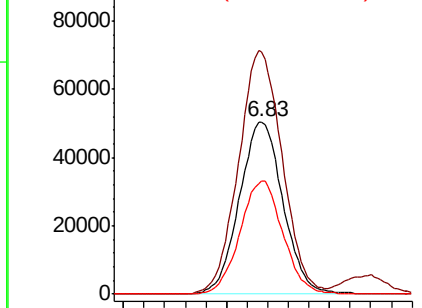
Tgt Ion	96	Resp	147912
Ion	Ratio	Lower	Upper
96	100		
61	142.1	110.0	165.0
98	64.8	51.7	77.5

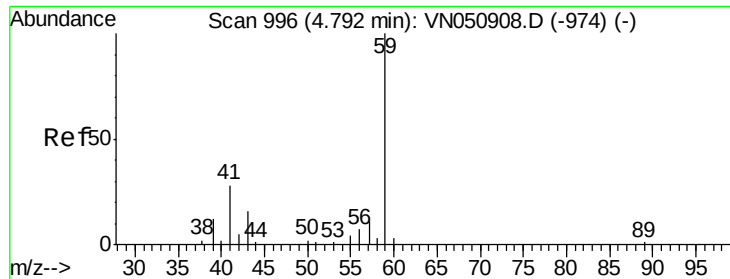


Abundance Ion 96.00 (95.70 to 96.70): VN050996.D (-1475) (-)

Ion 61.00 (60.70 to 61.70): VN050996.D (-1475) (-)

Ion 98.00 (97.70 to 98.70): VN050996.D (-1475) (-)





#23

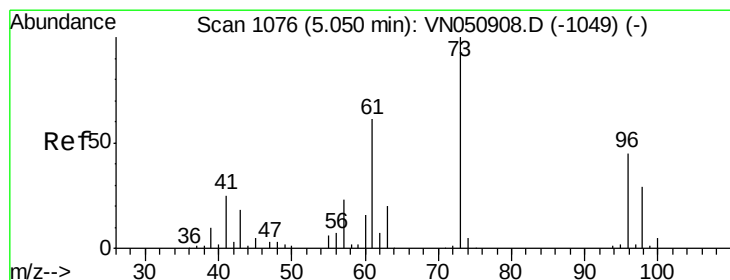
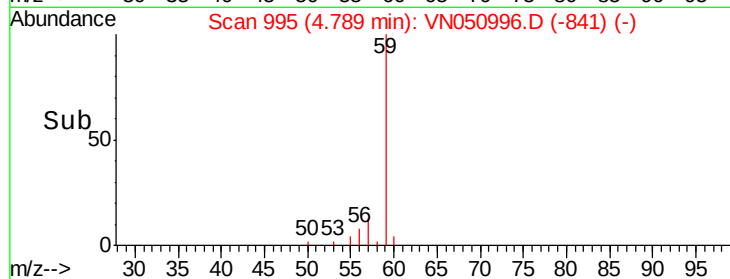
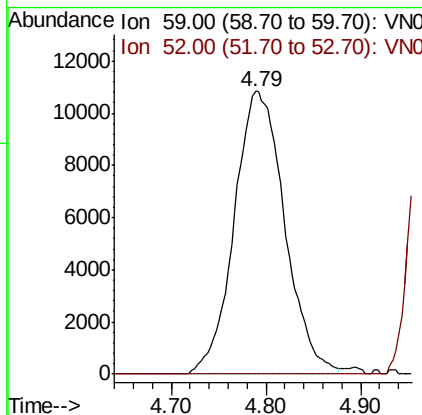
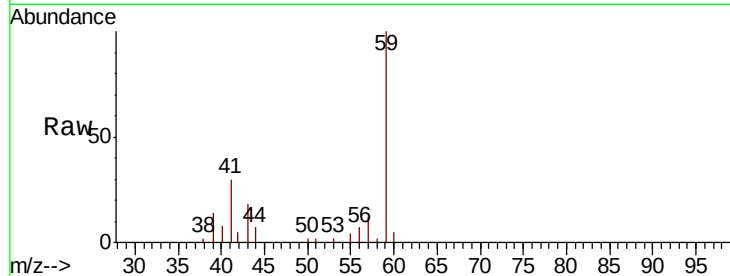
tert-Butyl Alcohol
Concen: 75.50 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

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

Manual Integrations
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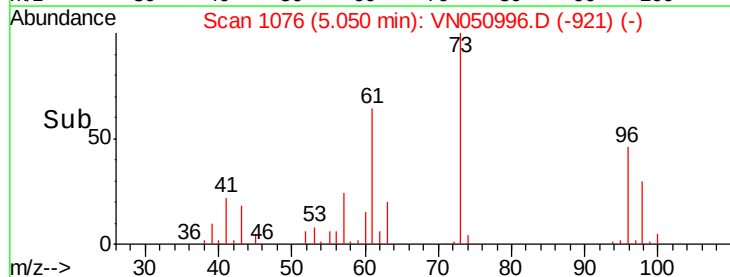
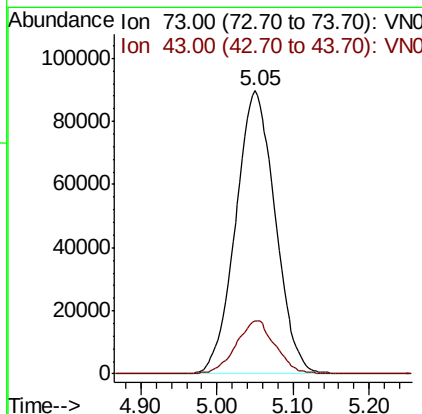
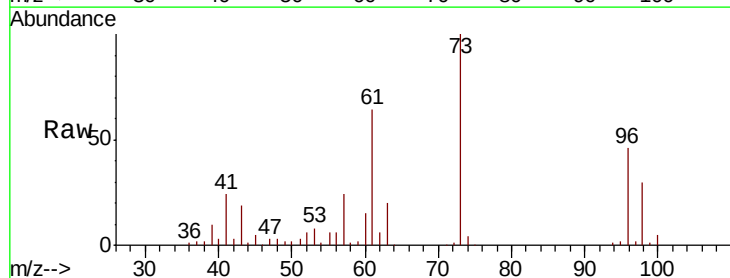
MMDadoda
9/4/2018 12:28:13 PM

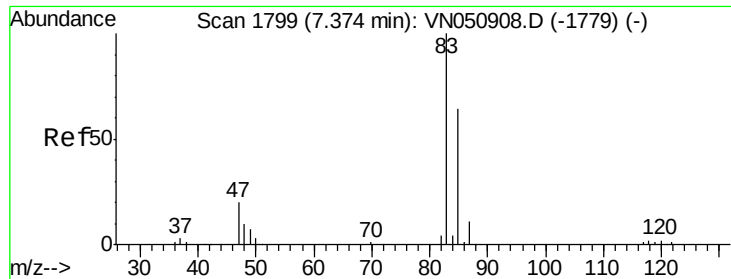


#24

Methyl tert-Butyl Ether
Concen: 18.57 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.4	21.6





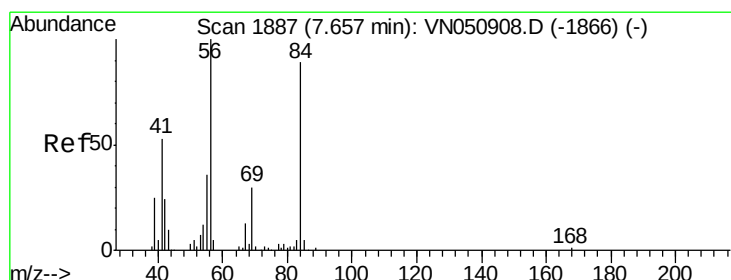
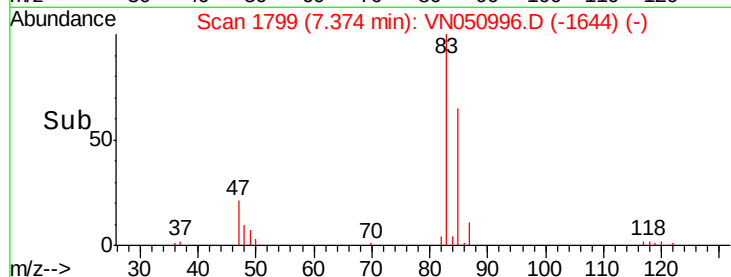
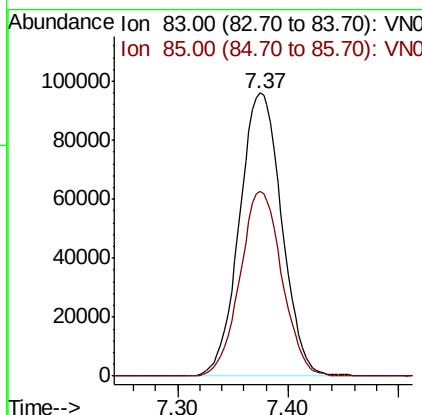
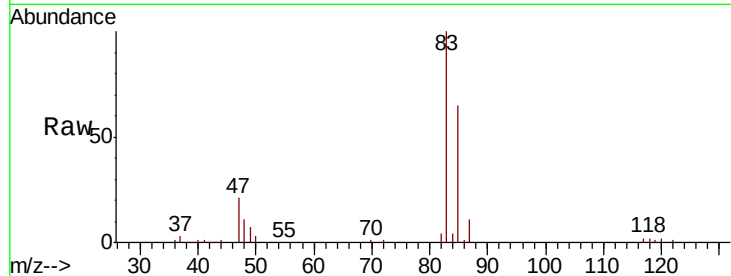
#25
Chloroform
Concen: 20.01 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	255530
Ion Ratio	100	Lower	Upper
85	65.4	51.4	77.0

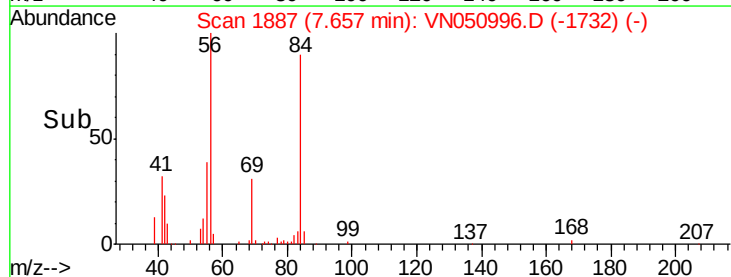
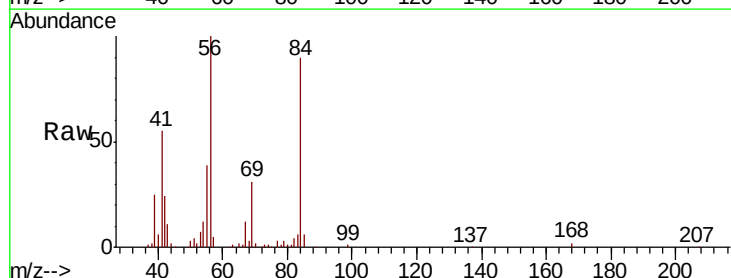
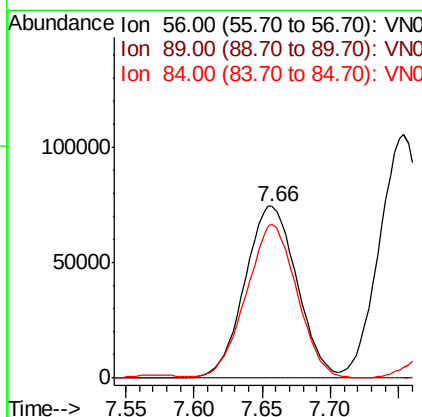
Manual Integrations
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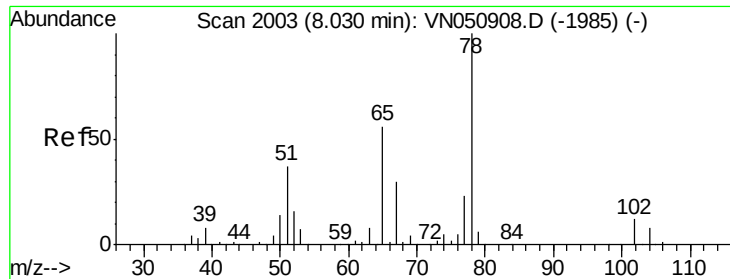
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#26
Cyclohexane
Concen: 18.68 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	56	Resp	198036
Ion Ratio	100	Lower	Upper
89	0.0	0.4	0.6#
84	87.2	70.4	105.6





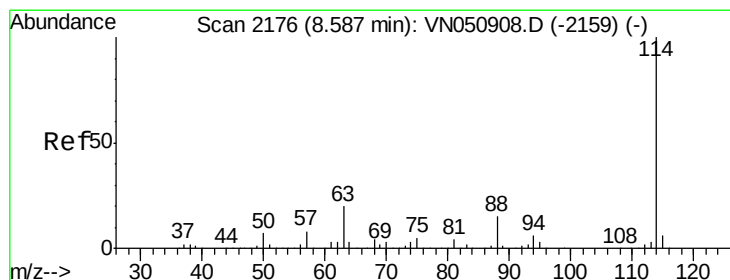
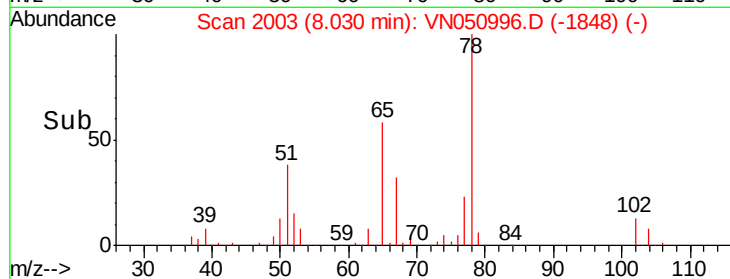
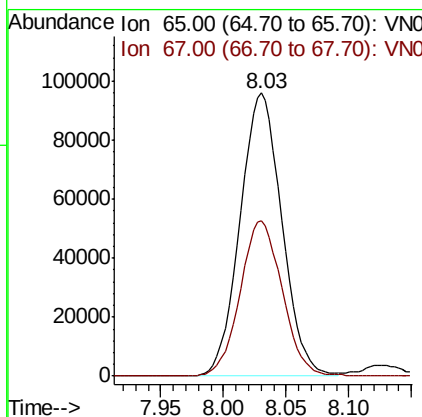
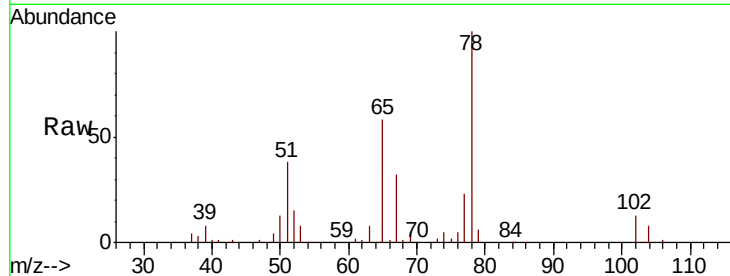
#27
 1,2-Dichloroethane-d4
 Concen: 29.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 222996
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.7 65.5

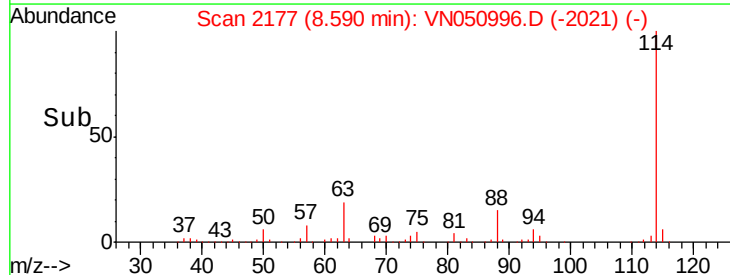
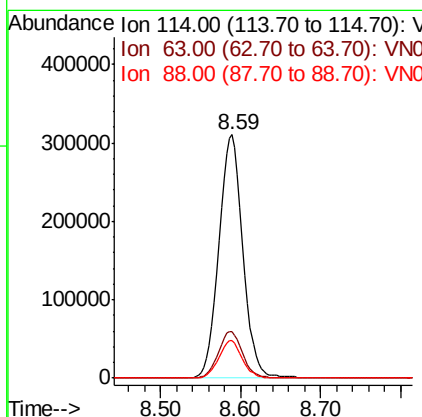
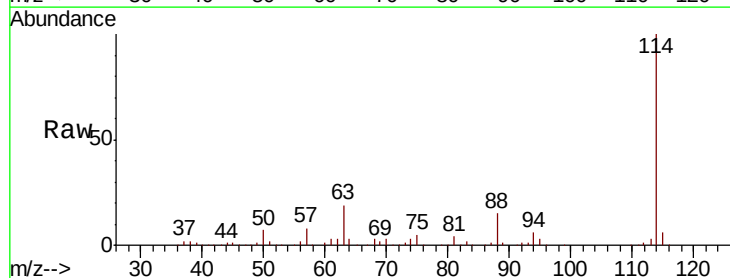
Manual Integrations
 APPROVED

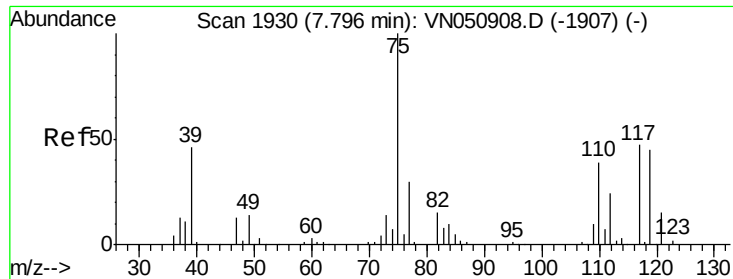
MMDadoda
 9/4/2018 12:28:13 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 114 Resp: 644081
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 14.9 12.2 18.4





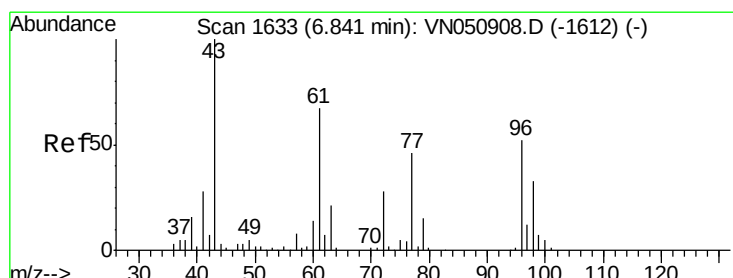
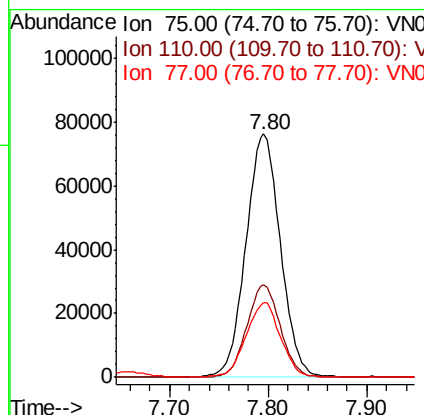
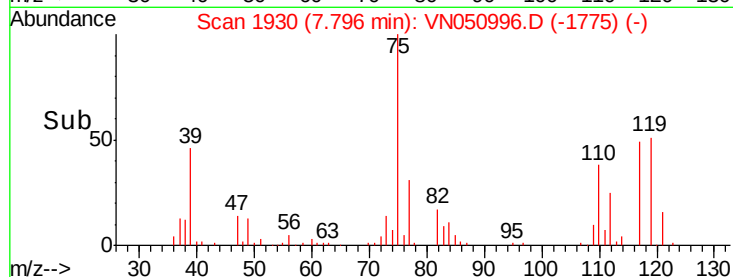
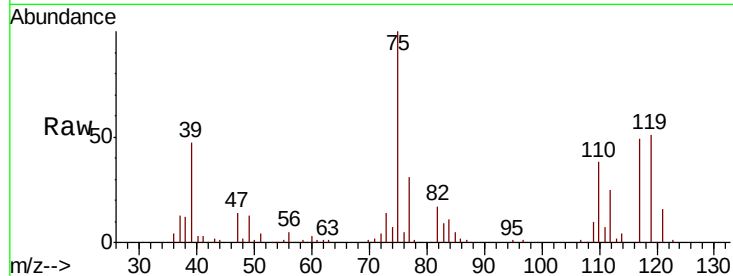
#29
 1,1-Dichloropropene
 Concen: 19.15 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	184635		
110	36.8	0.0	75.0	
77	30.7	0.0	60.6	

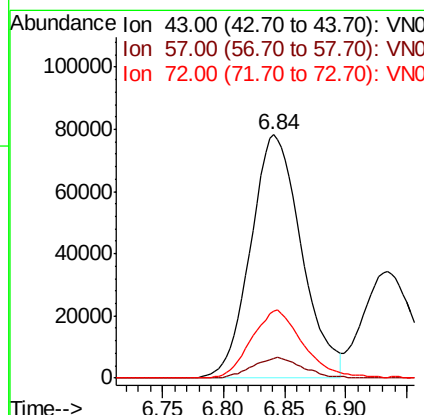
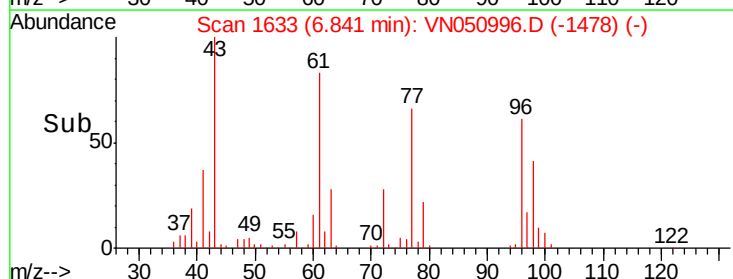
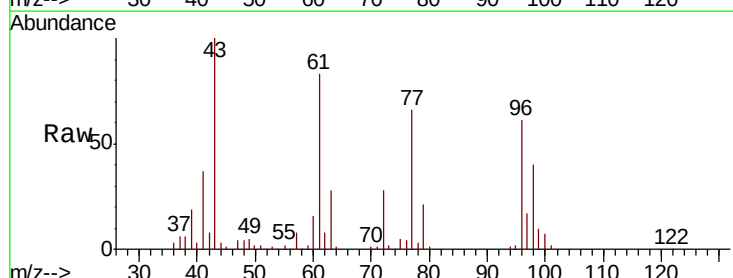
Manual Integrations
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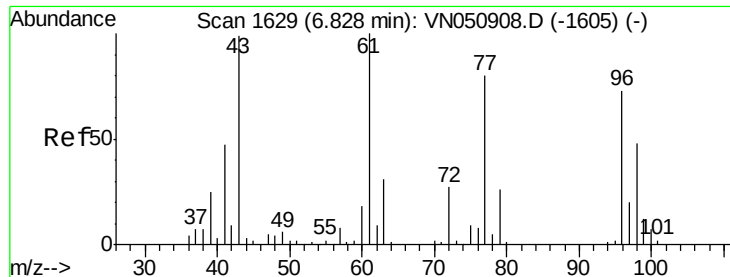
MMDadoda
 9/4/2018 12:28:13 PM



#30
 2-Butanone
 Concen: 76.04 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	225556		
57	8.5	6.9	10.3	
72	28.6	22.8	34.2	





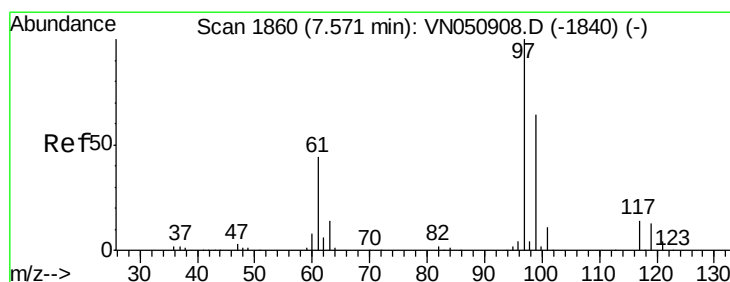
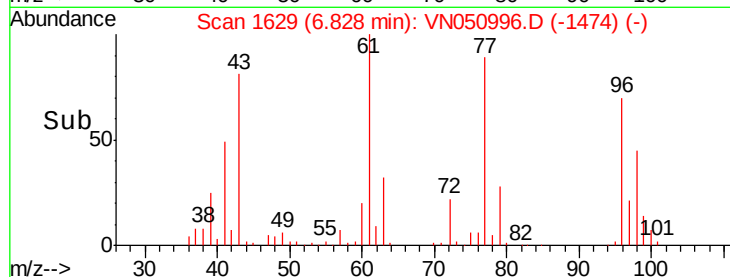
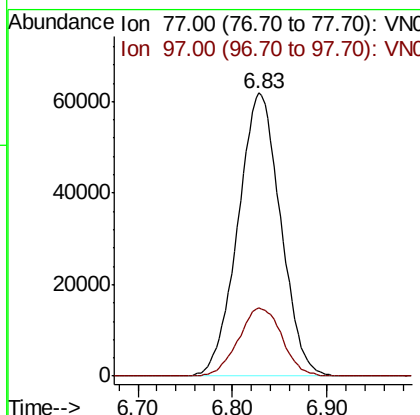
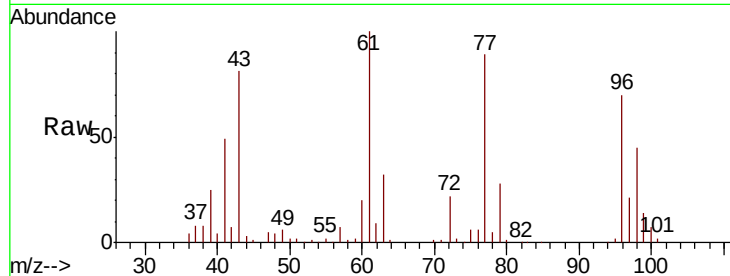
#31
 2,2-Dichloropropane
 Concen: 20.65 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 193769
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

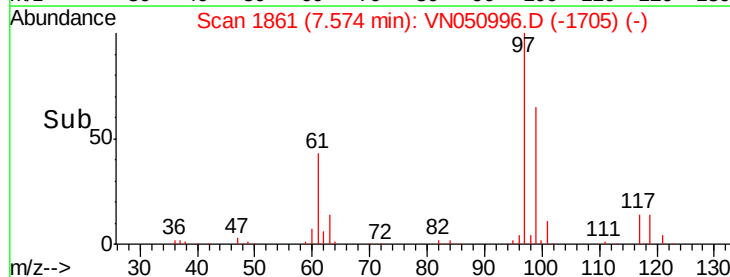
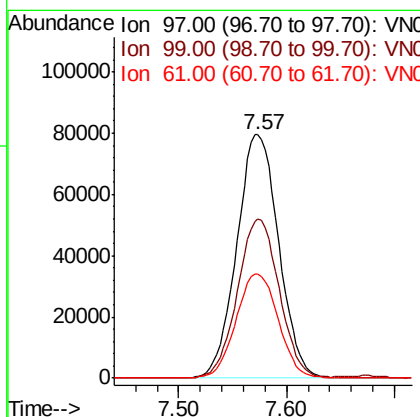
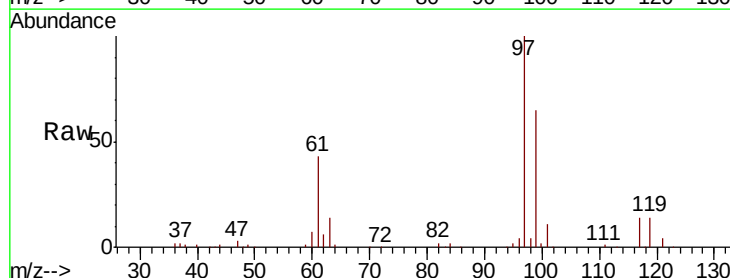
Manual Integrations
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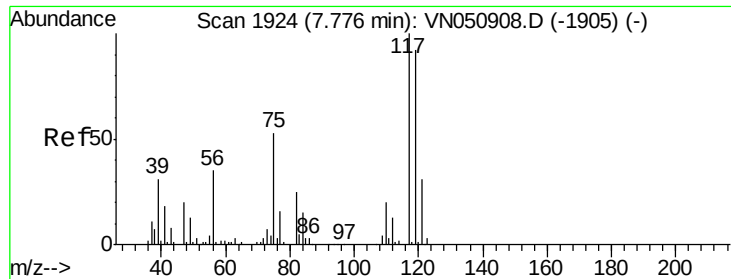
MMDadoda
 9/4/2018 12:28:13 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.68 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 97 Resp: 215193
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 43.0 35.0 52.6





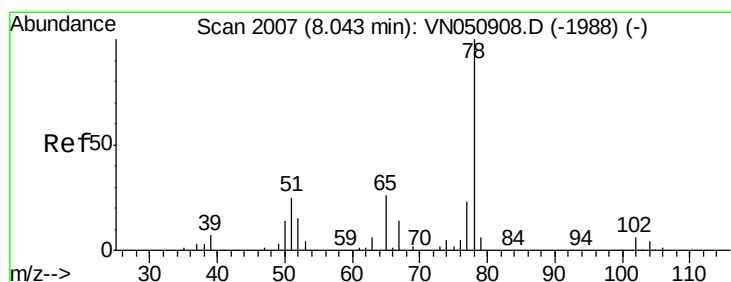
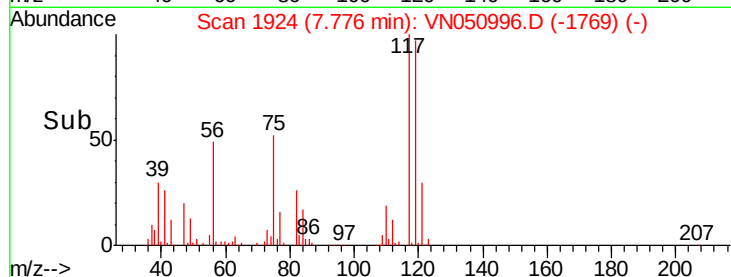
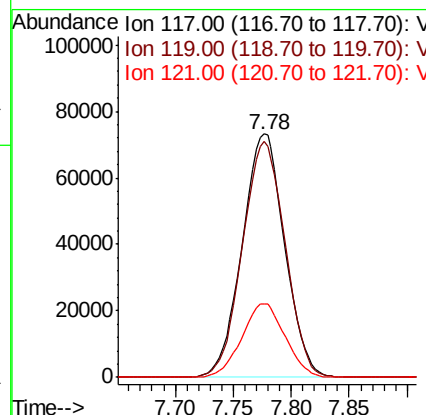
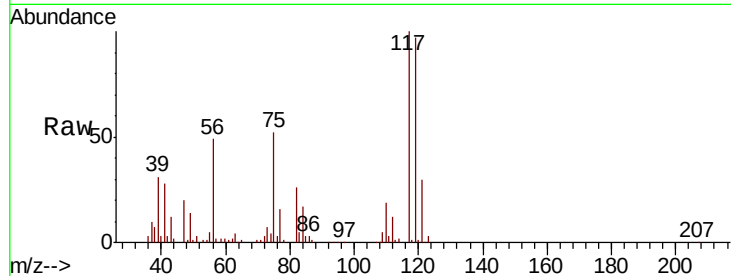
#33
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.5	110.3
121	30.2	24.6	37.0

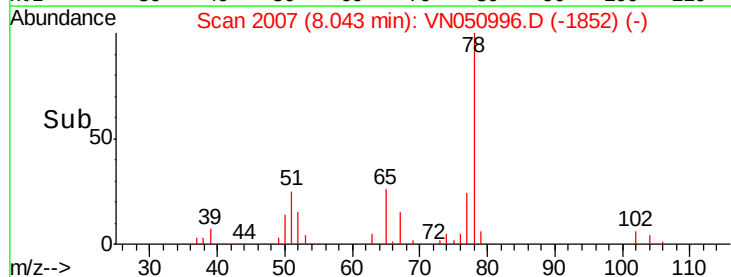
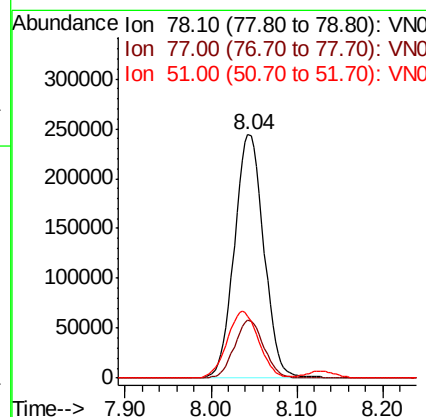
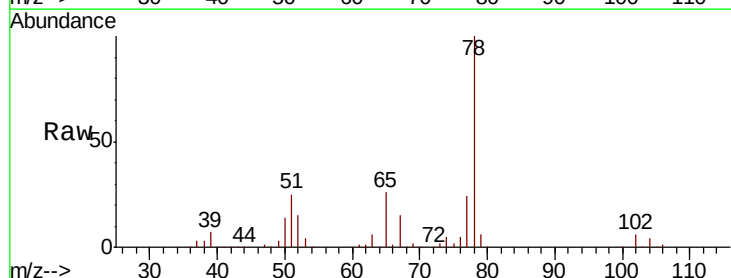
Manual Integrations
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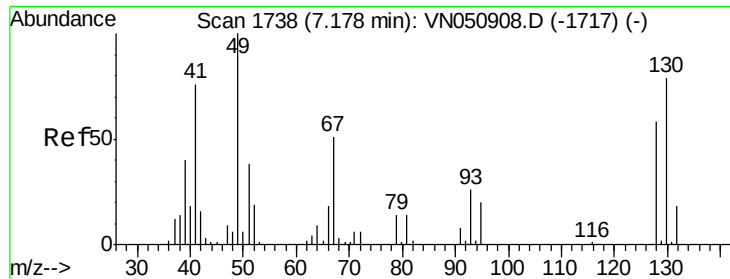
MMDadoda
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#34
Benzene
Concen: 19.47 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0
51	25.2	20.0	30.0





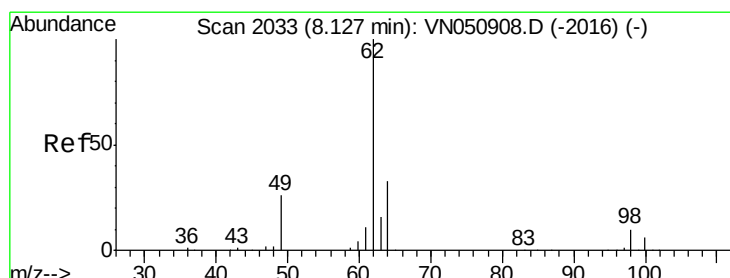
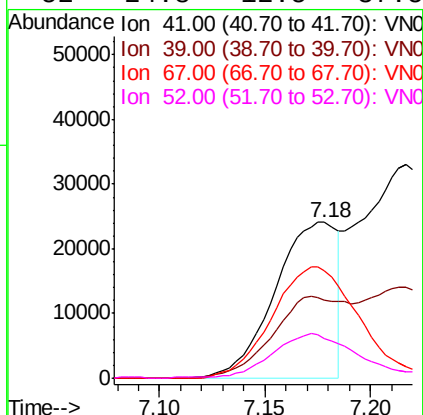
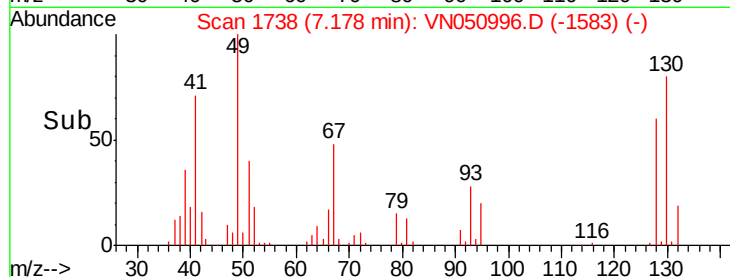
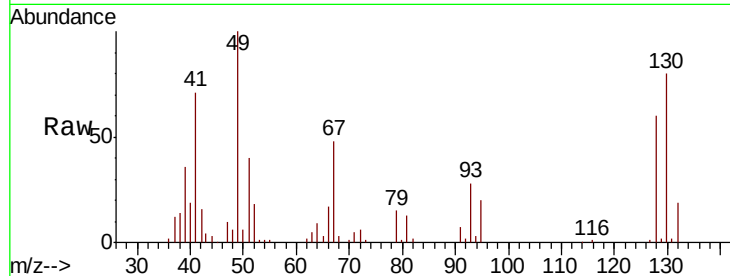
#35
Methacrylonitrile
Concen: 15.24 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41.00 (40.70 to 41.70): VNO	Resp	49525
Ion	Ratio	Lower	Upper
41	100		
39	50.4	26.2	78.5
67	68.6	33.9	101.6
52	24.8	12.5	37.5

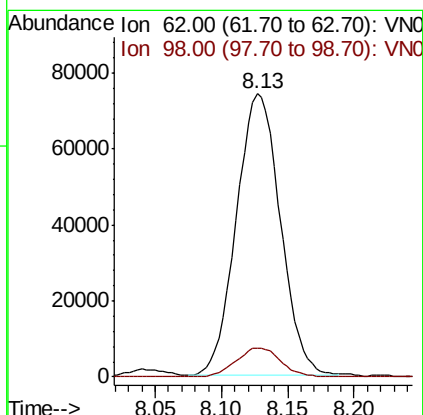
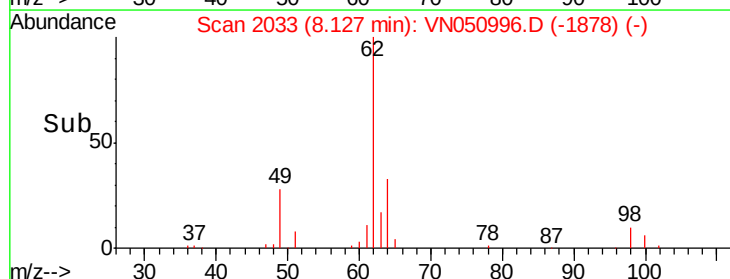
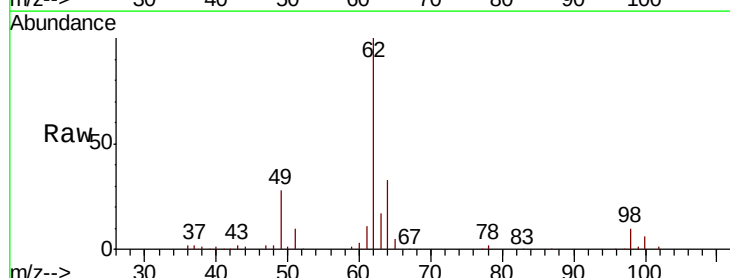
Manual Integrations
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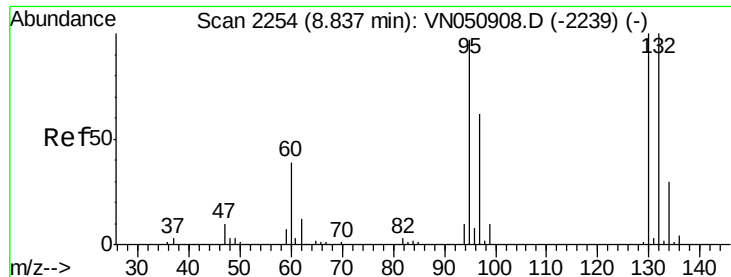
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#36
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	62.00 (61.70 to 62.70): VNO	Resp	171663
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.0	12.0





#37

Trichloroethene

Concen: 19.20 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 149695

Ion Ratio Lower Upper

130 100

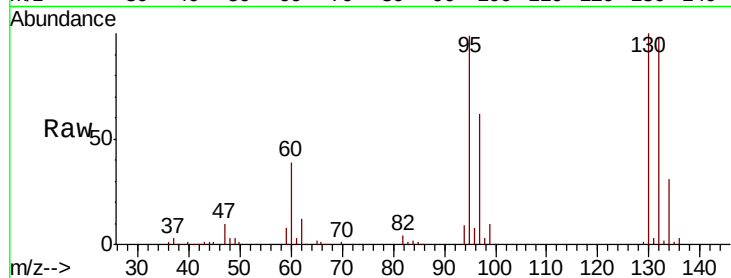
95 99.4 77.4 116.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

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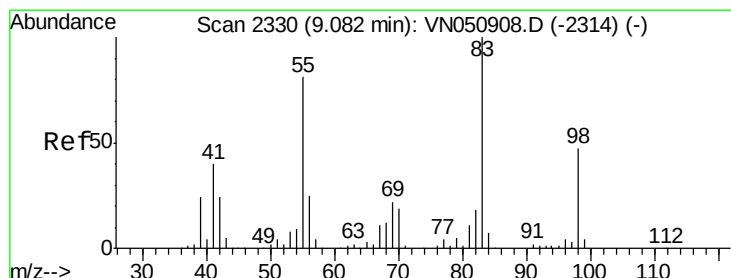
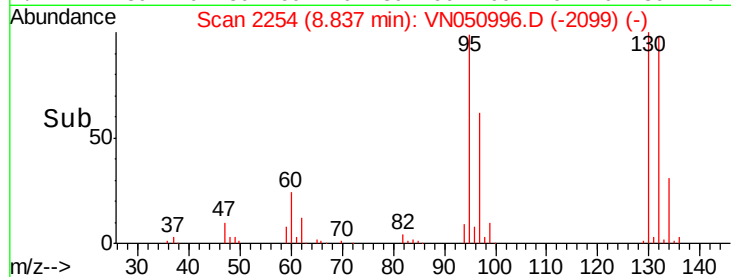
8.84

8.84

8.84

8.84

8.84



#38

Methylcyclohexane

Concen: 18.26 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

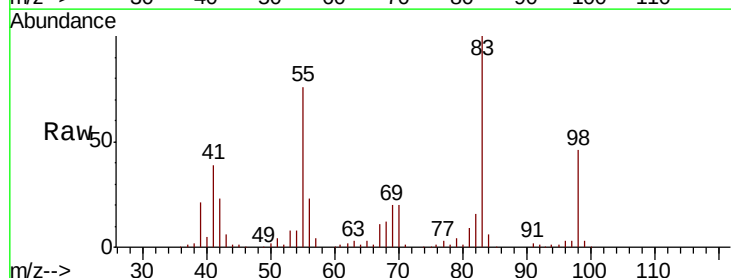
Tgt Ion: 83 Resp: 189137

Ion Ratio Lower Upper

83 100

55 77.2 38.9 116.7

98 46.2 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

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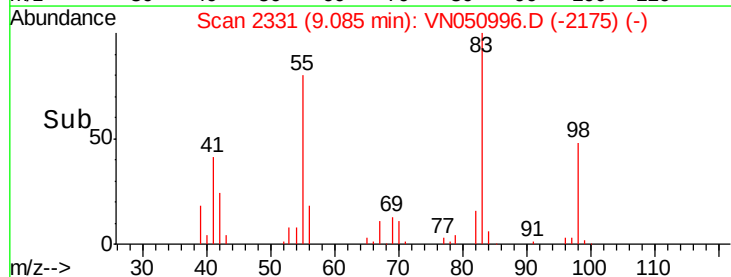
9.08

9.08

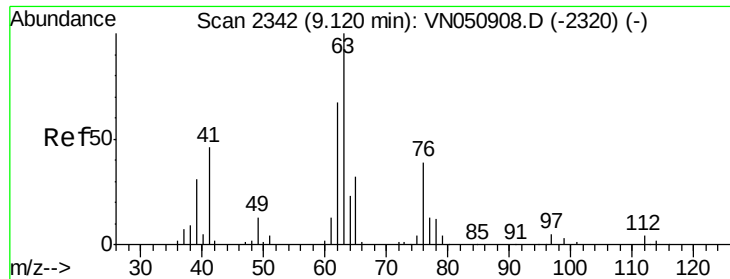
9.08

9.08

9.08



Time-->



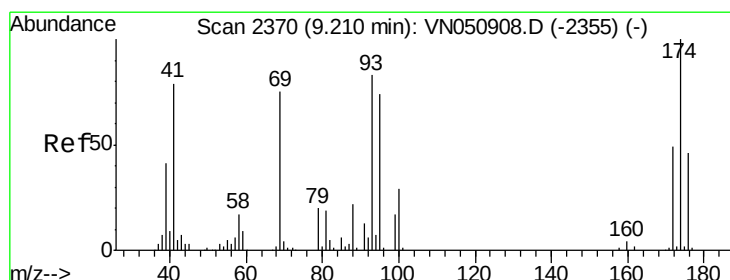
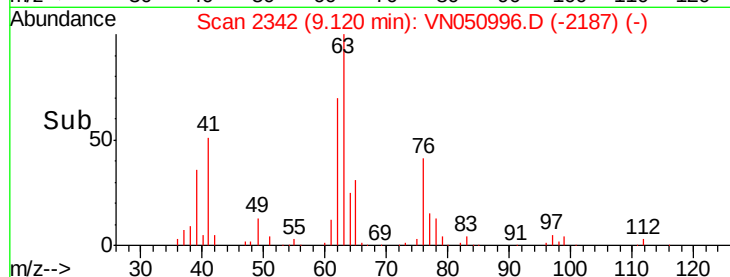
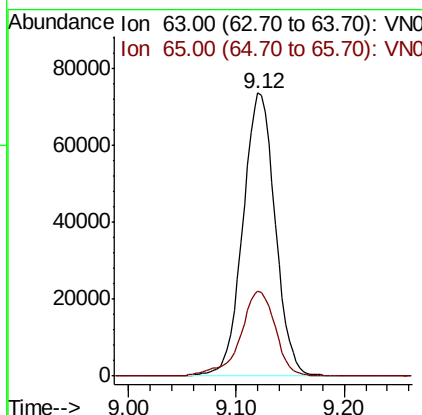
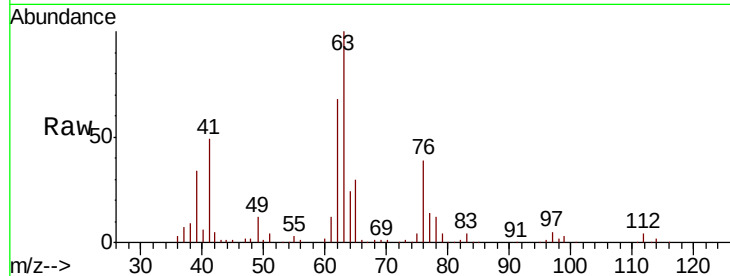
#39
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.6	38.4

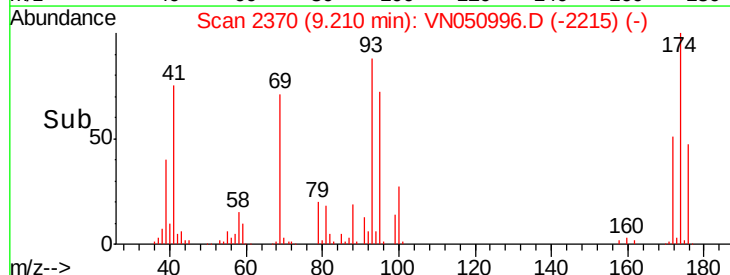
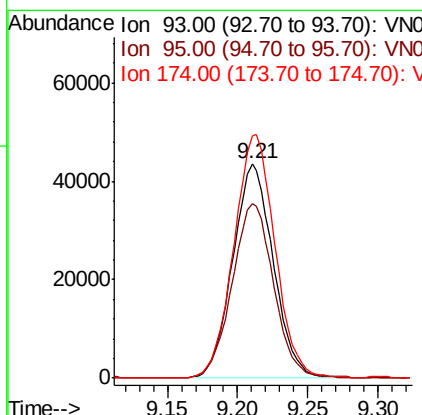
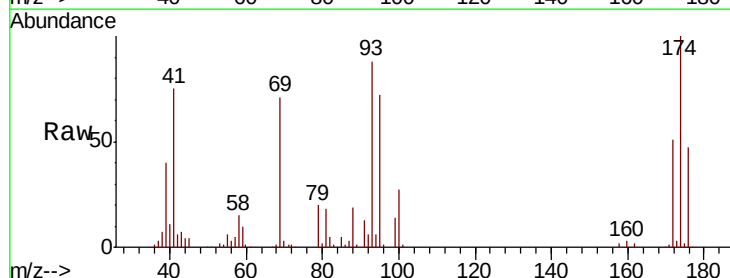
Manual Integrations
 APPROVED

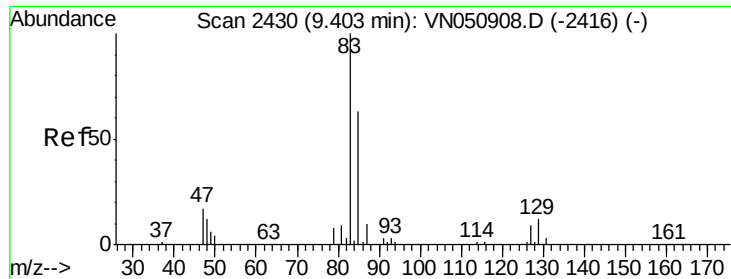
MMDadoda
 9/4/2018 12:28:13 PM



#40
 Dibromomethane
 Concen: 18.68 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	173.4
174	115.5	0.0	234.8





#41

Bromodichloromethane

Concen: 19.17 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

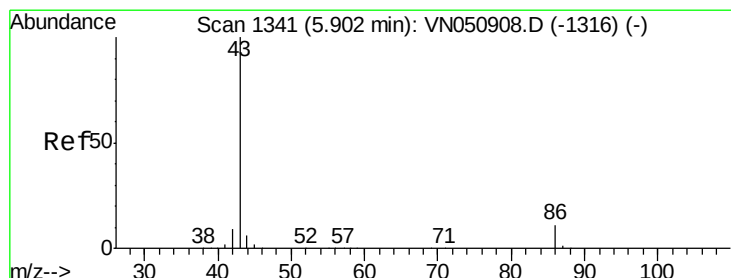
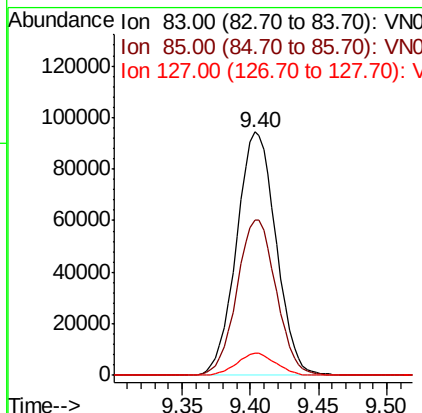
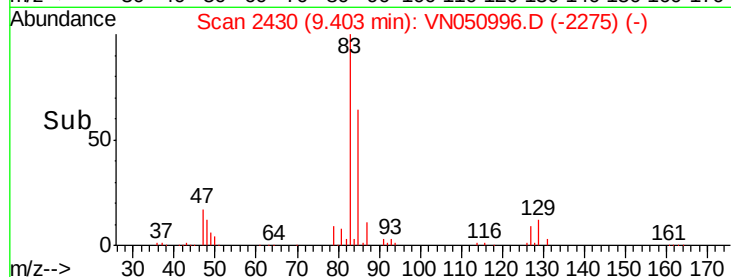
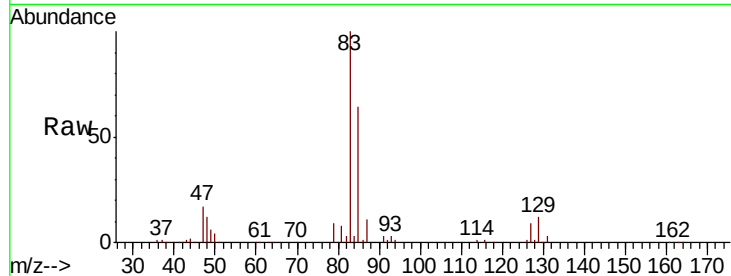
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	189626
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.6	76.0
127	9.1	7.1	10.7

Manual Integrations
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#42

Vinyl Acetate

Concen: 86.54 ug/l

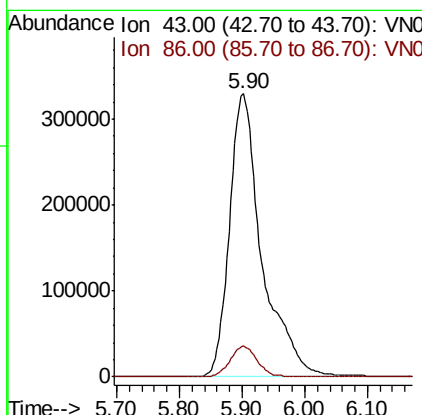
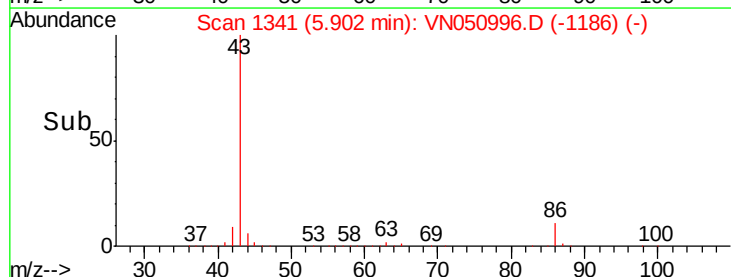
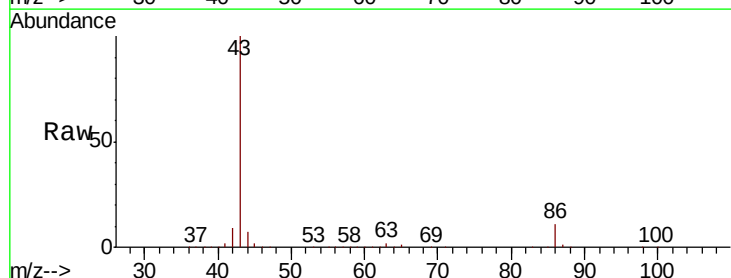
RT: 5.90 min Scan# 1341

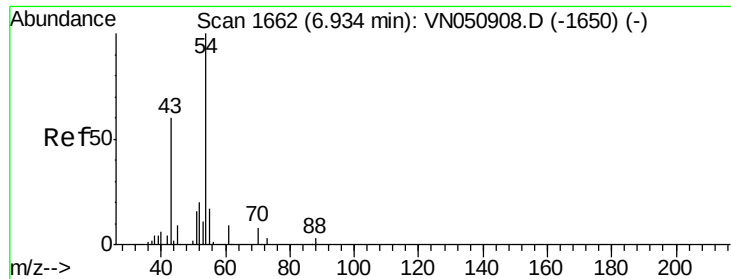
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	43	Resp:	1182462
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.2	10.8





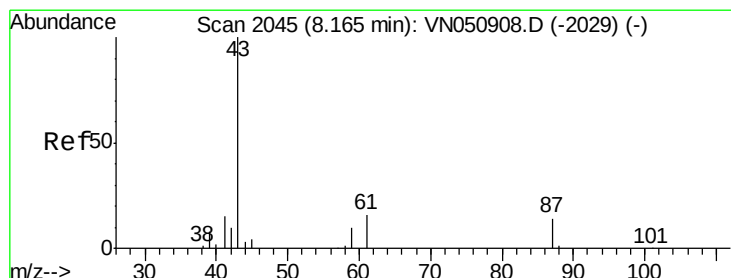
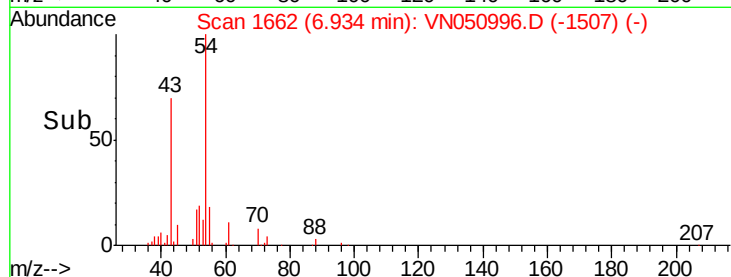
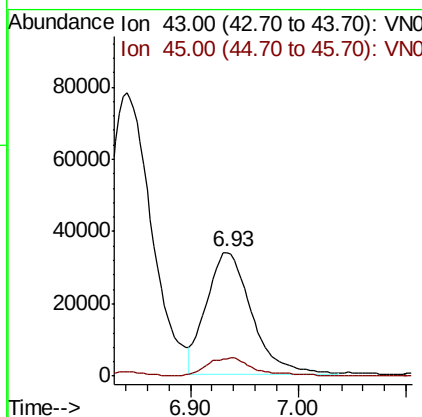
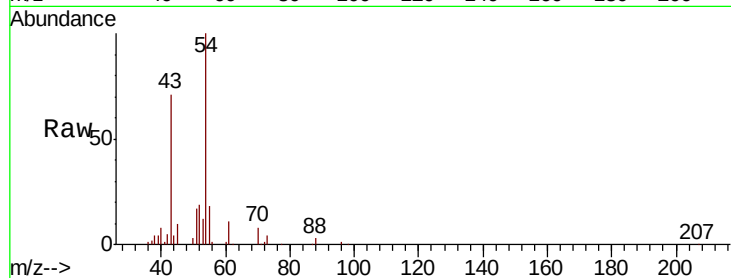
#43
Ethyl Acetate
Concen: 16.29 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	Resp	99009
Ion Ratio	100	Lower	Upper
43	100		
45	13.4	10.2	15.2

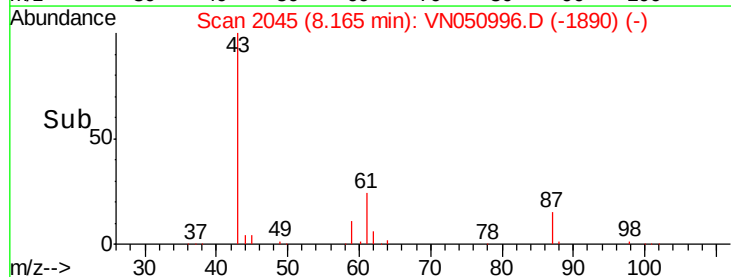
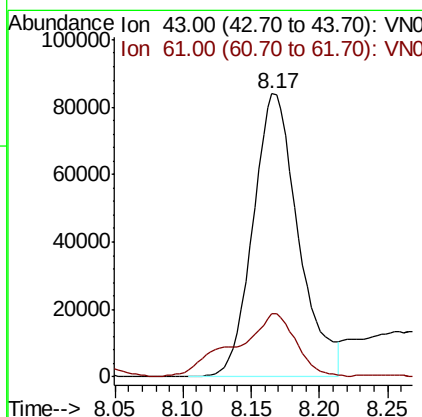
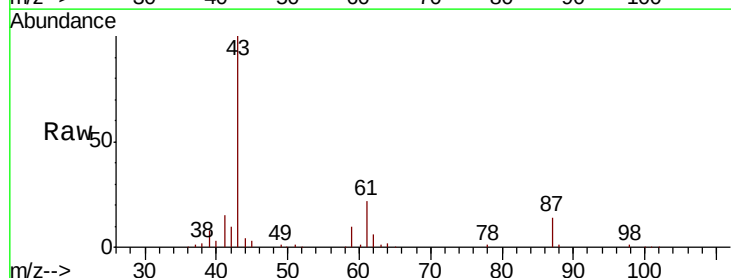
Manual Integrations
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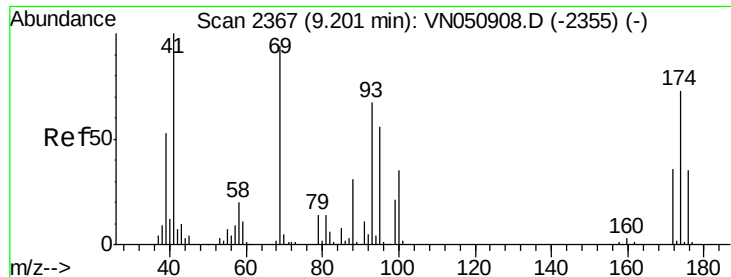
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.03 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	43	Resp	193383
Ion Ratio	100	Lower	Upper
43	100		
61	19.2	16.3	24.5





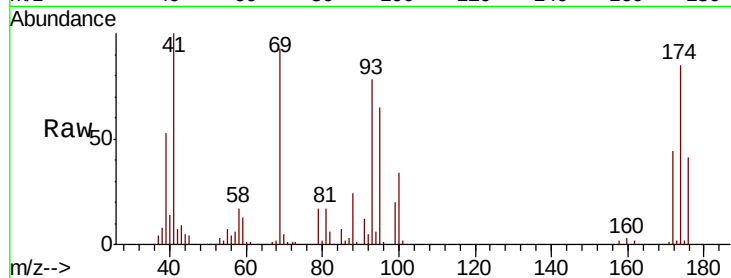
#45
 1,4-Dioxane
 Concen: 306.63 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	23.5	35.3
58	71.9	55.2	82.8

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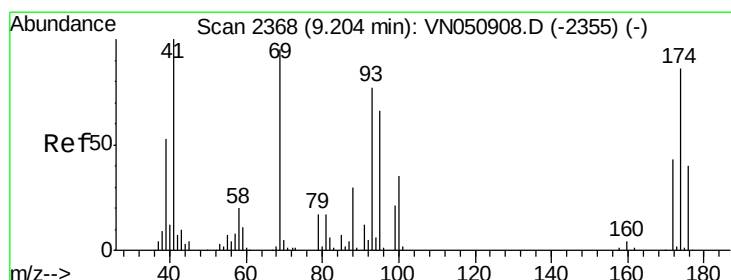
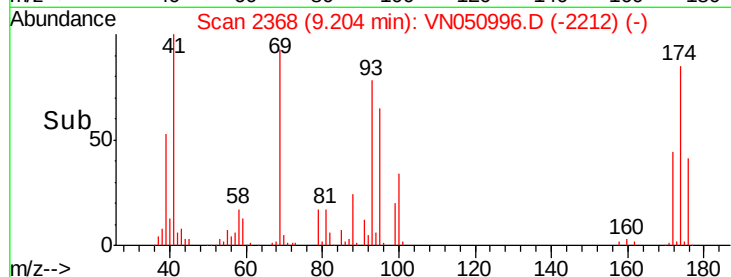
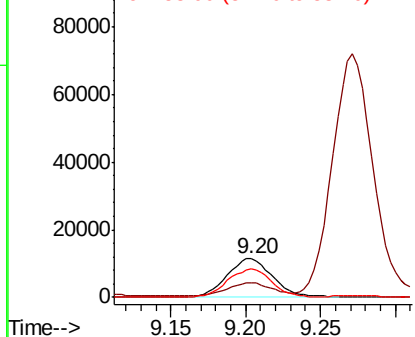


Abundance

Ion 88.00 (87.70 to 88.70): VN0

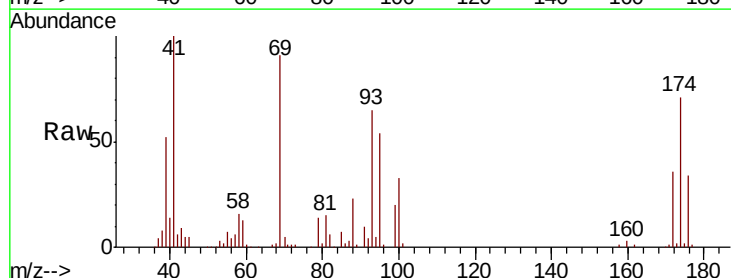
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 16.58 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	47.4	142.2
39	51.9	26.6	79.7

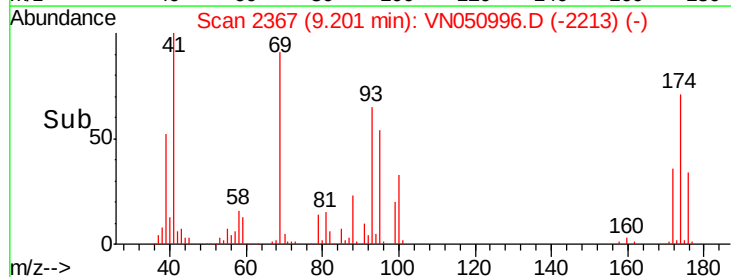
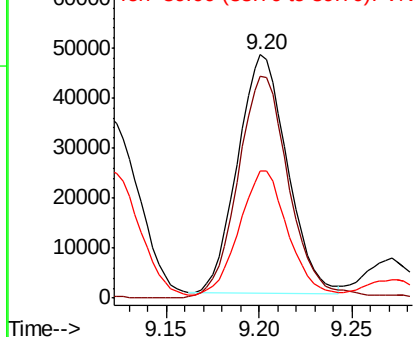


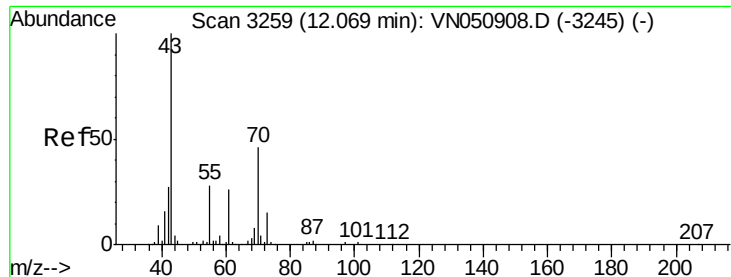
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 14.73 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 127003

Ion Ratio Lower Upper

43 100

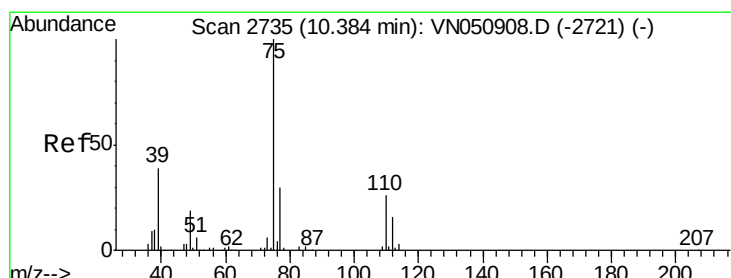
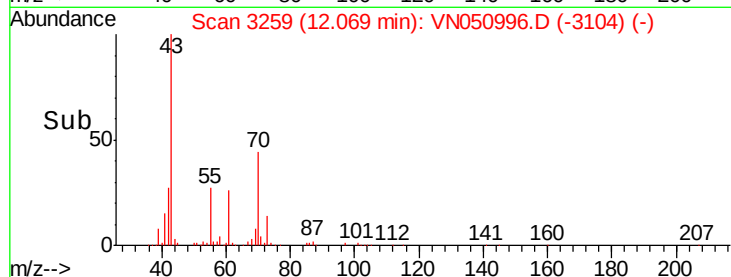
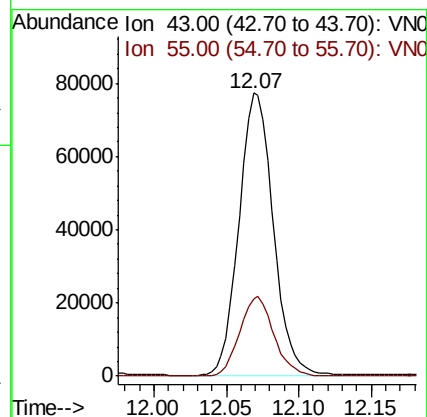
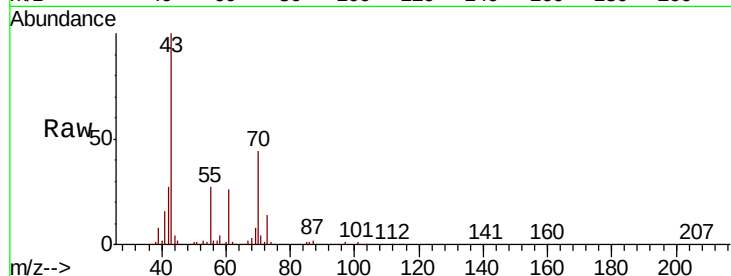
55 28.1 23.0 34.4

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#48

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050996.D

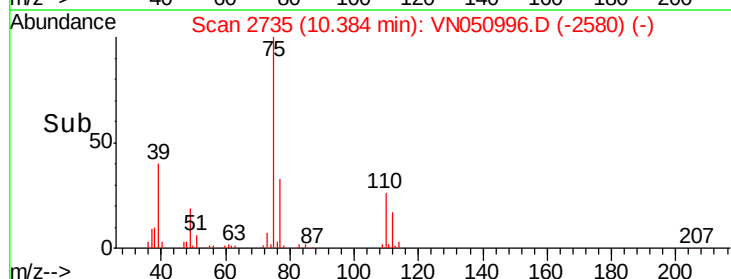
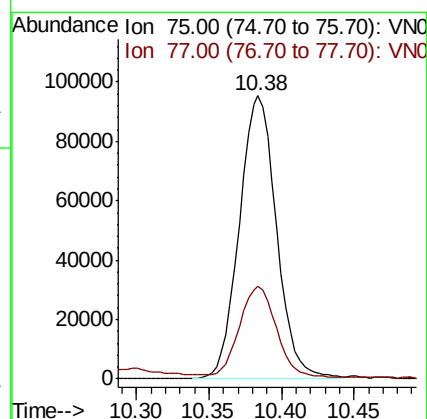
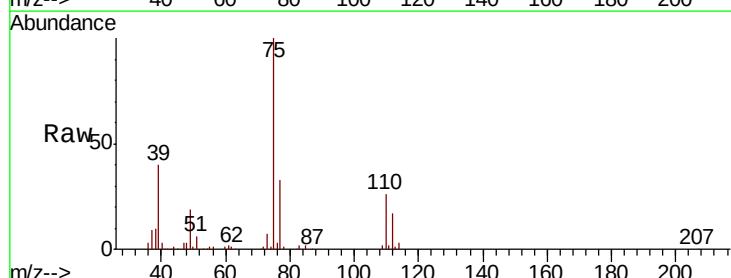
Acq: 31 Aug 2018 18:32

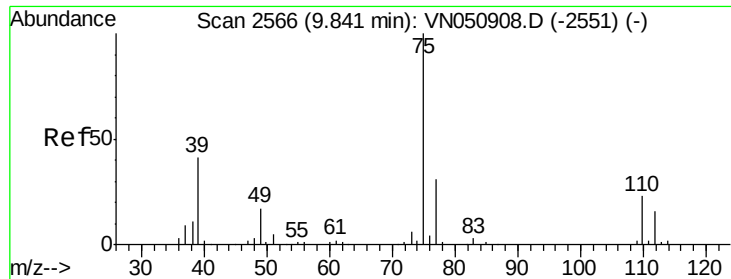
Tgt Ion: 75 Resp: 170108

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2





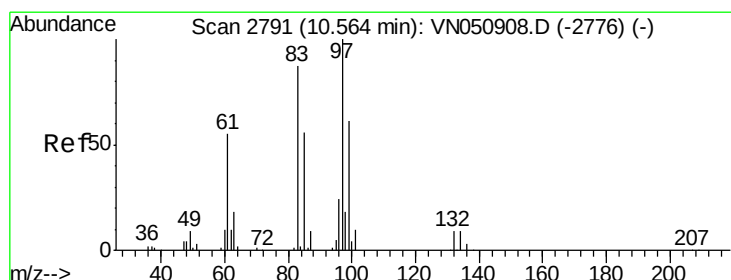
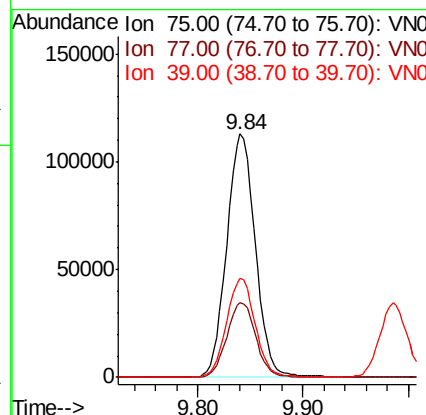
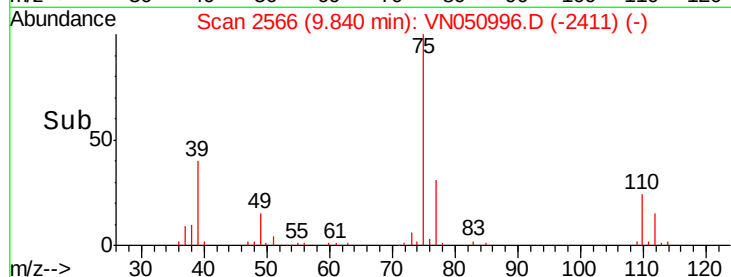
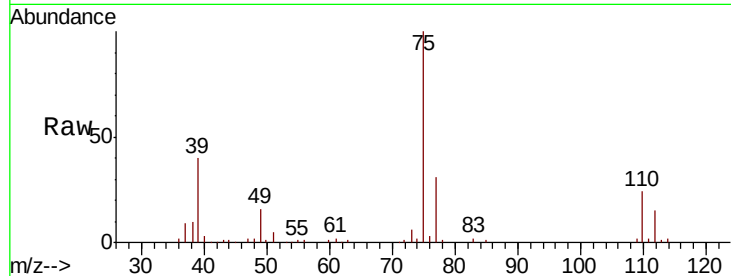
#49
 cis-1,3-Dichloropropene
 Concen: 19.09 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:	75	Resp:	212639
Ion Ratio	Lower	Upper	
75	100		
77	30.8	25.0	37.4
39	40.4	32.9	49.3

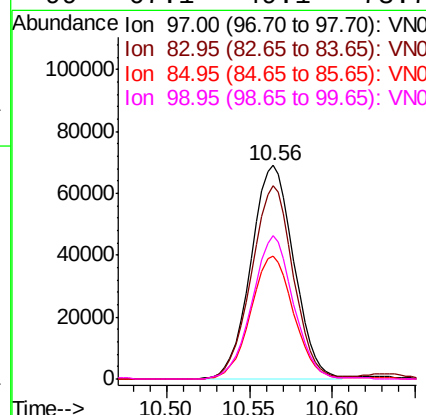
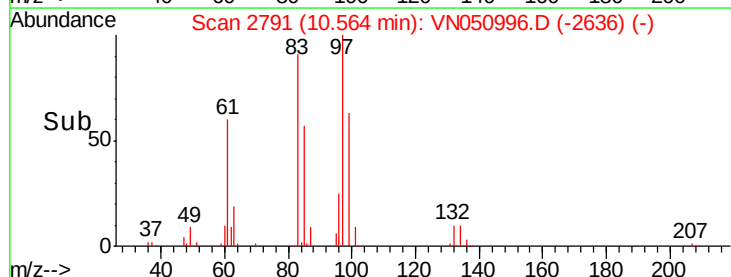
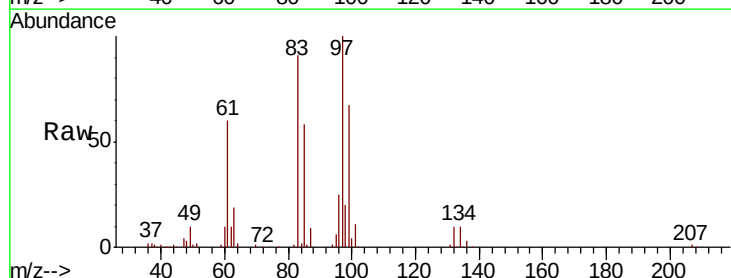
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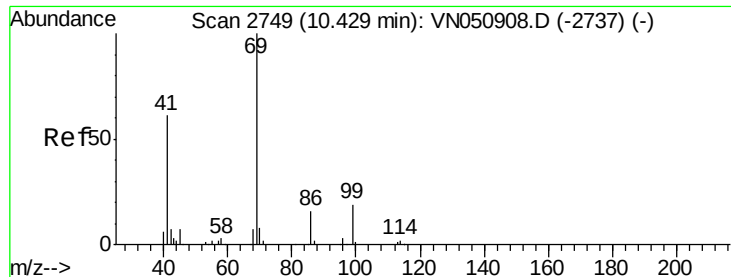
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 18.28 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion:	97	Resp:	124620
Ion Ratio	Lower	Upper	
97	100		
83	90.5	69.8	104.6
85	57.7	45.0	67.6
99	67.1	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.15 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

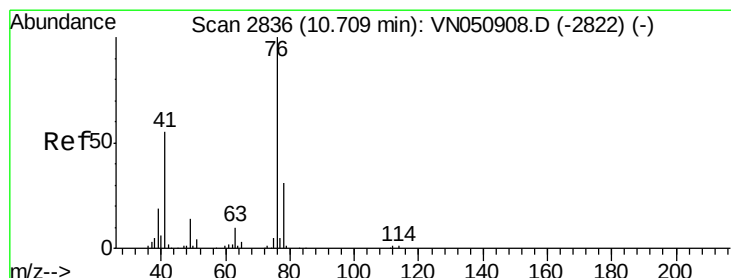
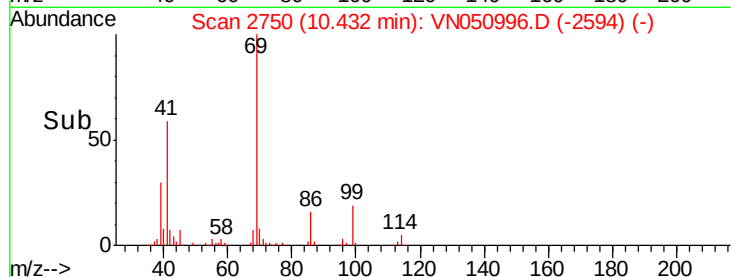
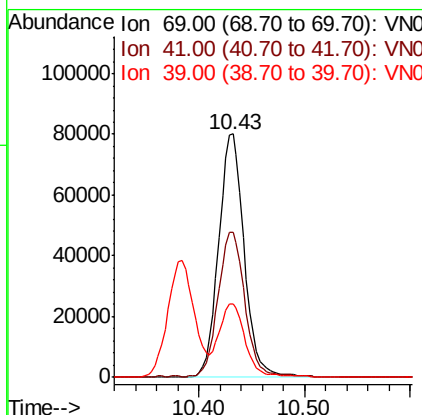
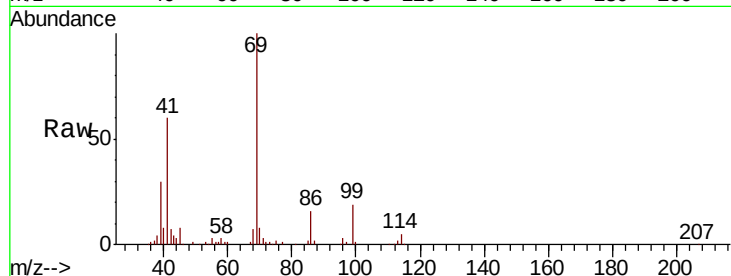
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	134771
Ion	Ratio	Lower	Upper
69	100		
41	59.3	30.5	91.5
39	30.1	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.19 ug/l

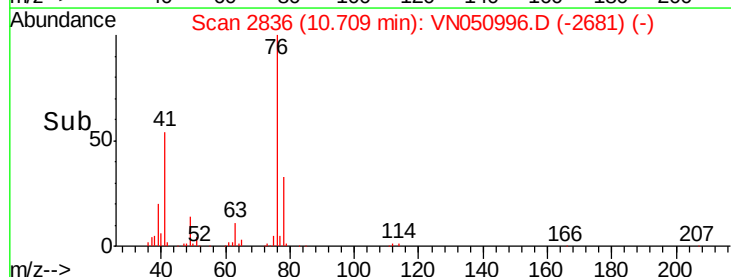
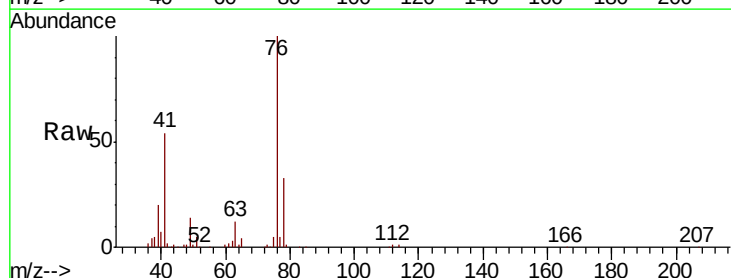
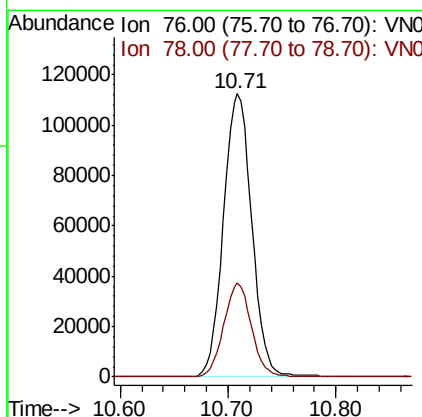
RT: 10.71 min Scan# 2836

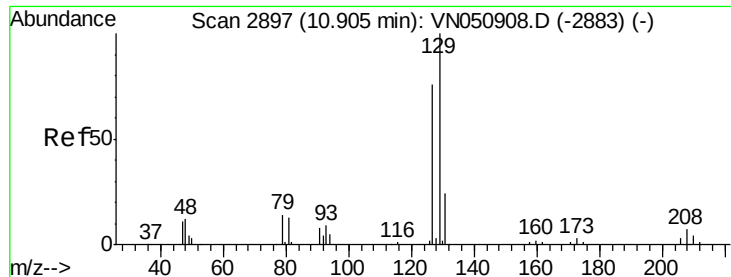
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	76	Resp:	205493
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





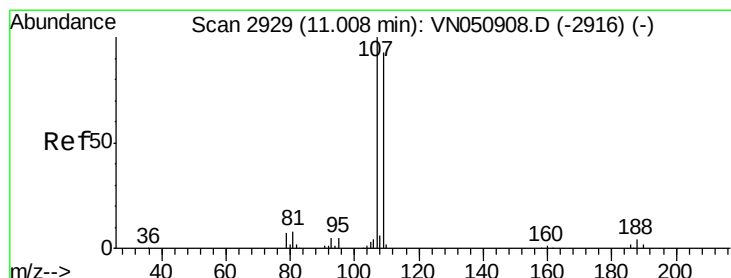
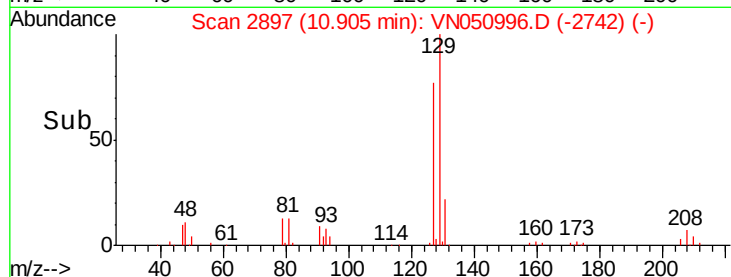
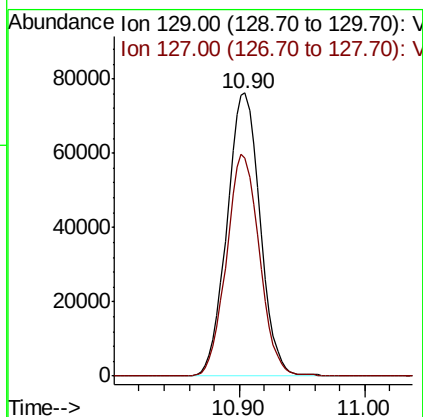
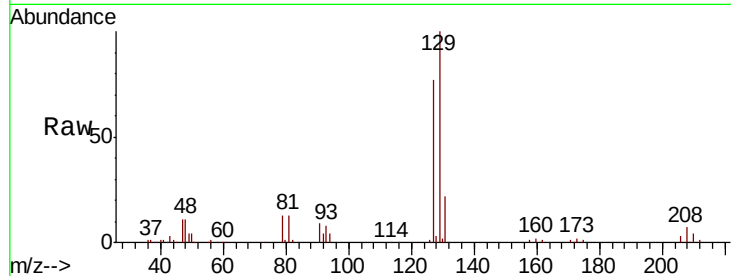
#53
Dibromochloromethane
Concen: 18.05 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:129 Resp: 139967
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9

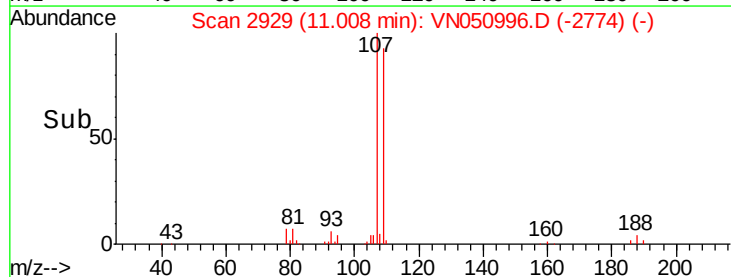
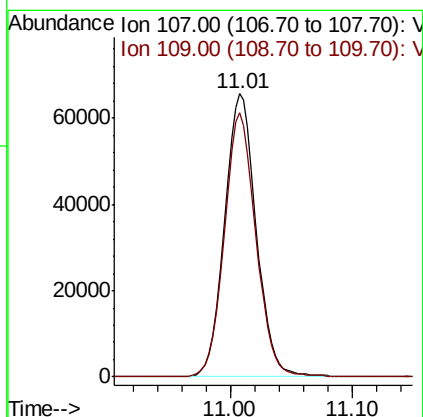
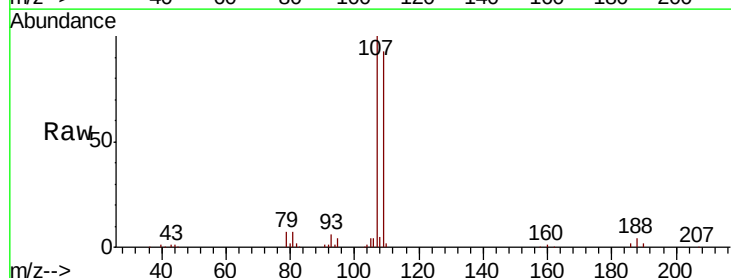
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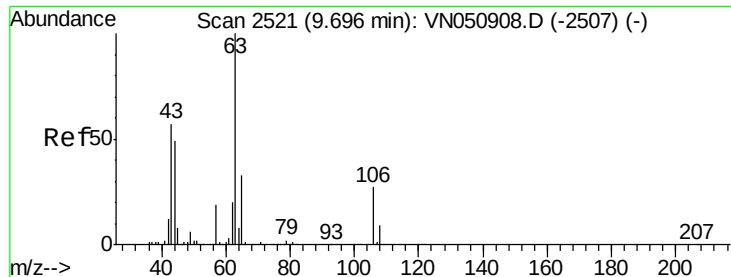
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#54
1,2-Dibromoethane
Concen: 17.69 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion:107 Resp: 119299
Ion Ratio Lower Upper
107 100
109 92.5 74.4 111.6





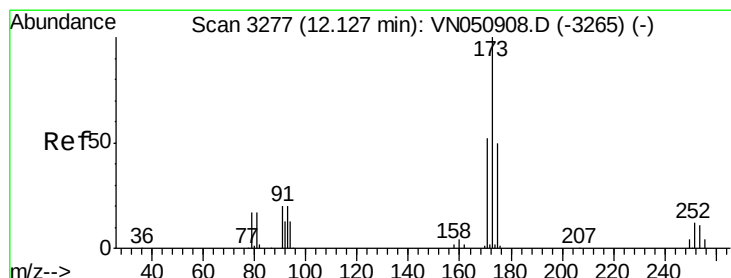
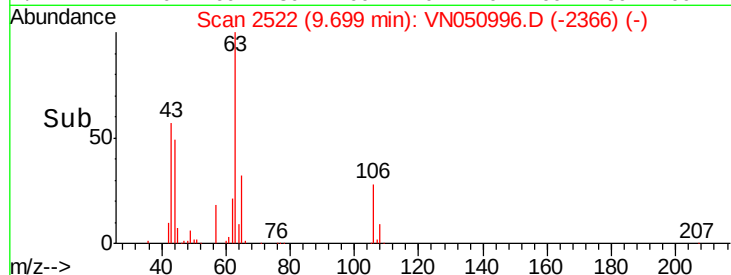
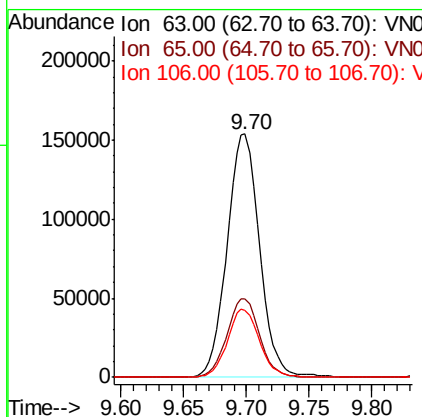
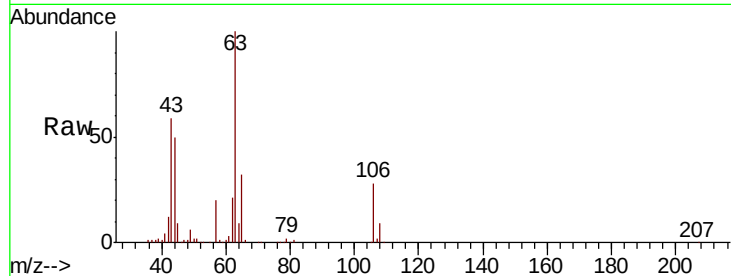
#55
2-Chloroethyl vinyl ether
Concen: 80.10 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	63	Resp:	278053
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	27.6	22.0	33.0

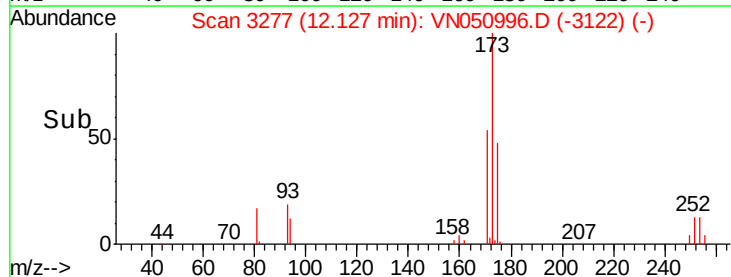
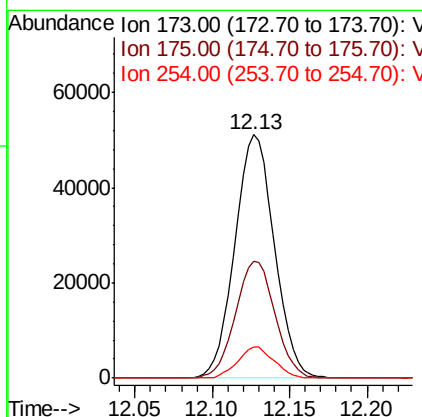
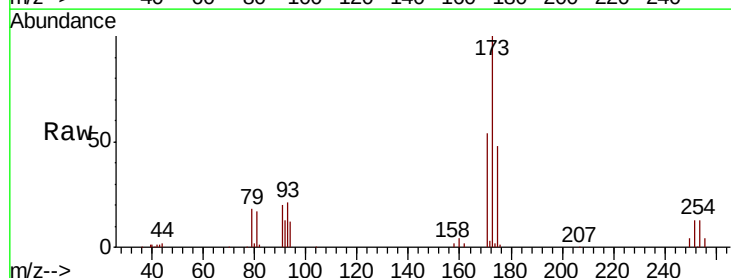
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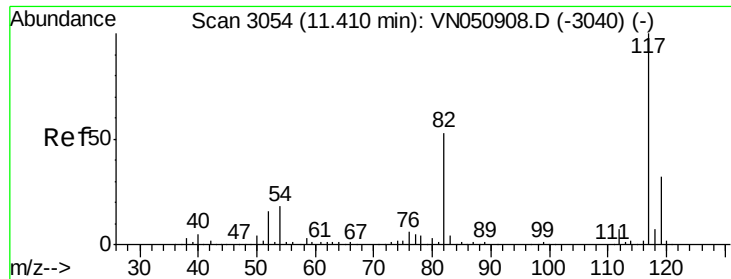
MMDadoda
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#56
Bromoform
Concen: 16.46 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion:	173	Resp:	90777
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.2	58.8
254	11.8	9.0	13.6





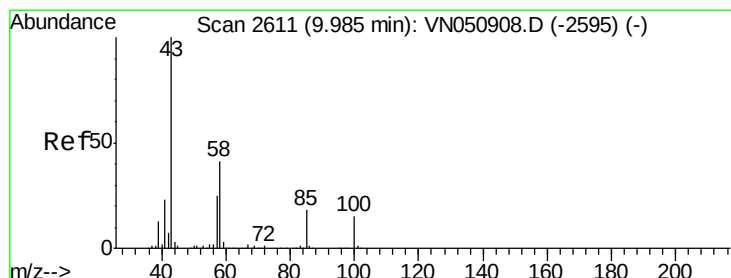
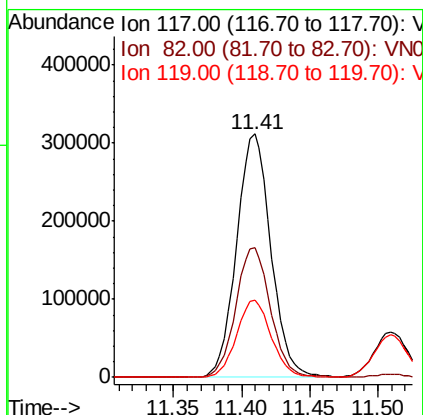
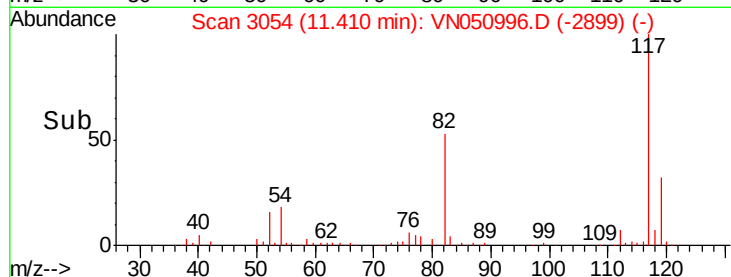
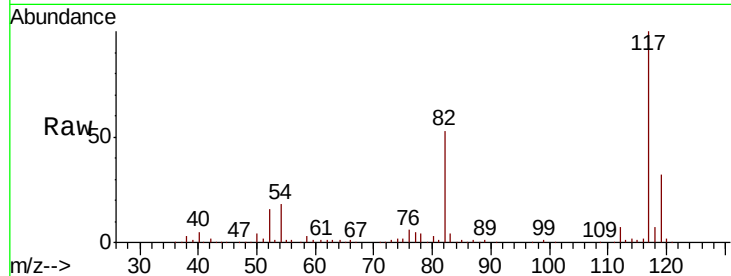
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.6	64.0
119	32.1	25.7	38.5

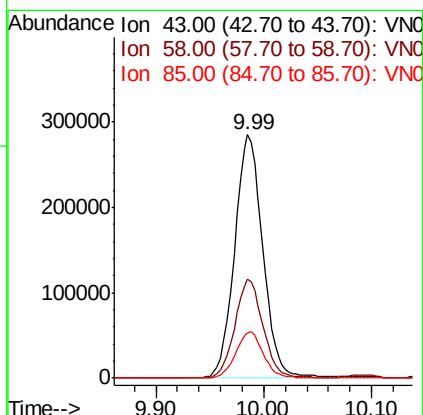
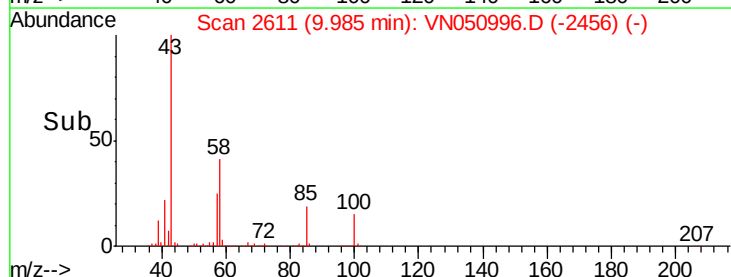
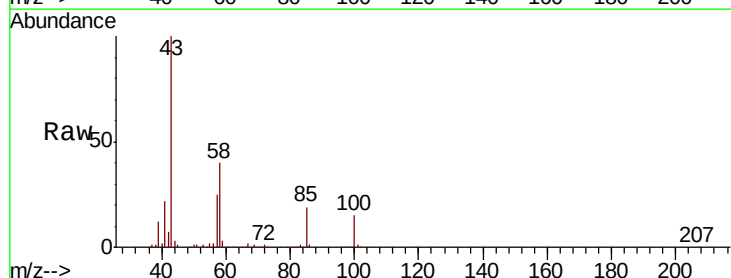
Manual Integrations
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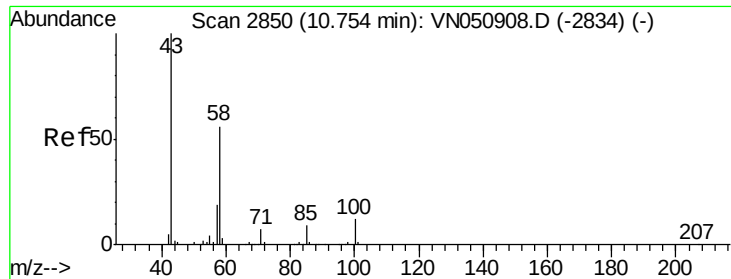
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#58
4-Methyl-2-Pentanone
Concen: 83.26 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.3	48.5
85	18.7	14.9	22.3





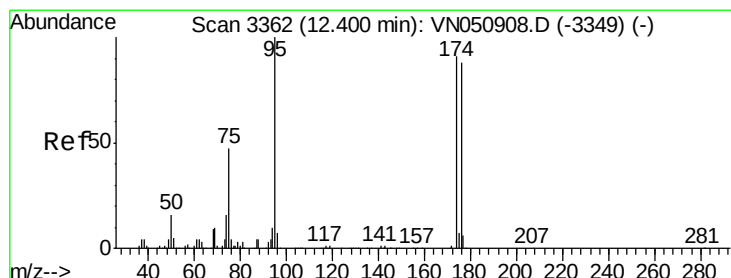
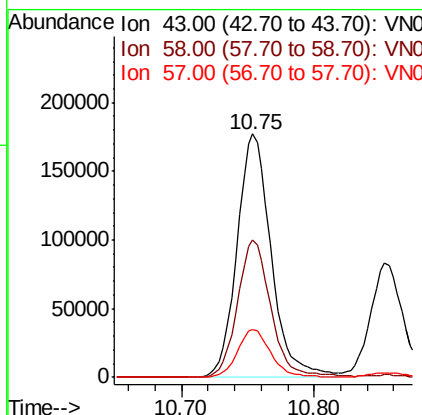
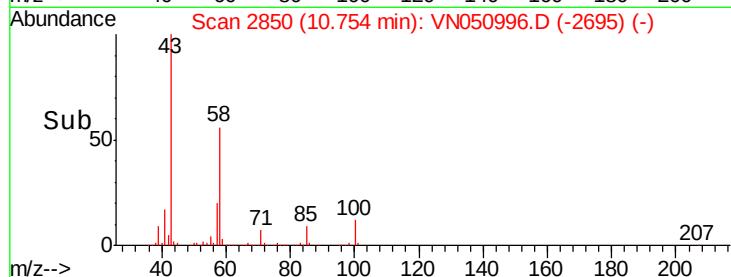
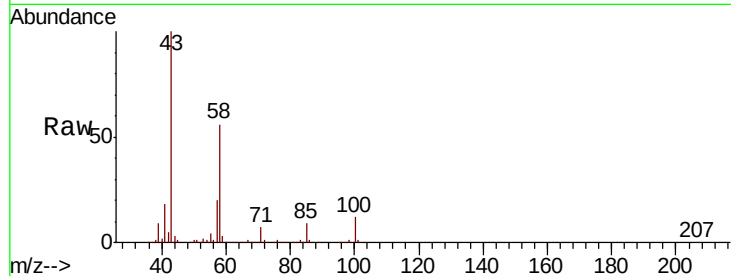
#59
2-Hexanone
Concen: 77.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	45.5	68.3
57	19.2	15.2	22.8

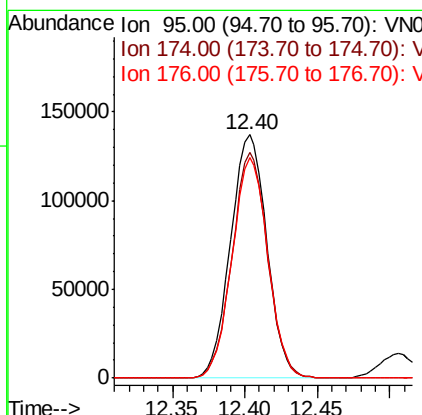
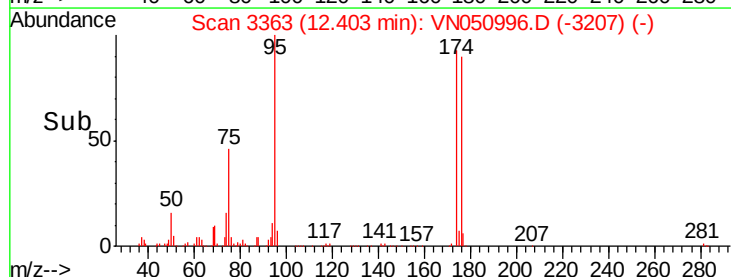
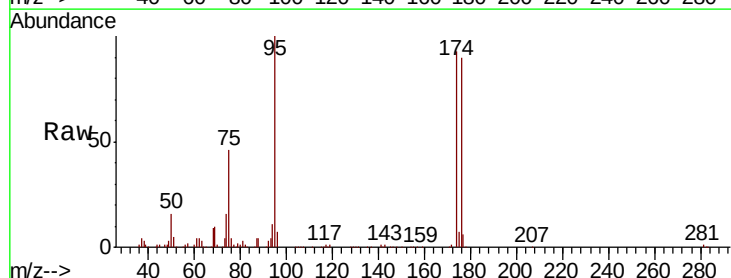
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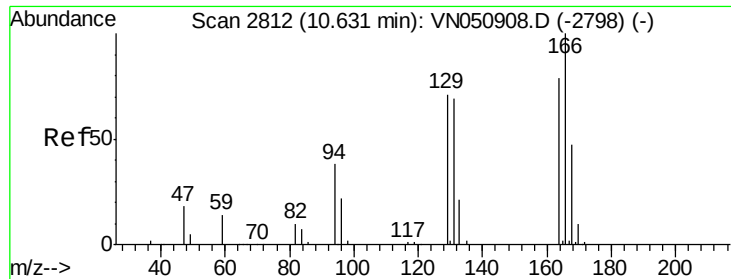
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	74.6	112.0
176	89.2	71.5	107.3





#61

Tetrachloroethene

Concen: 19.86 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

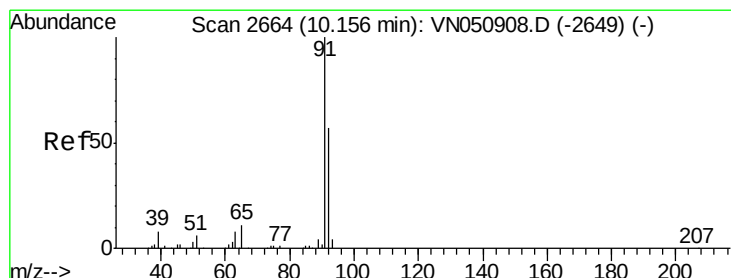
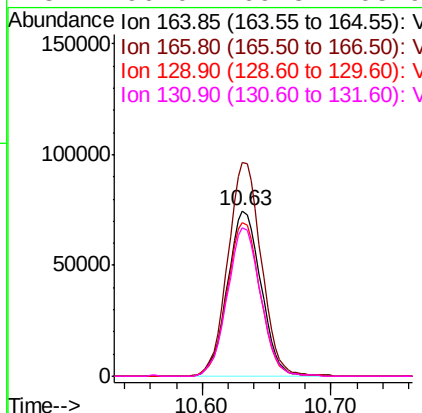
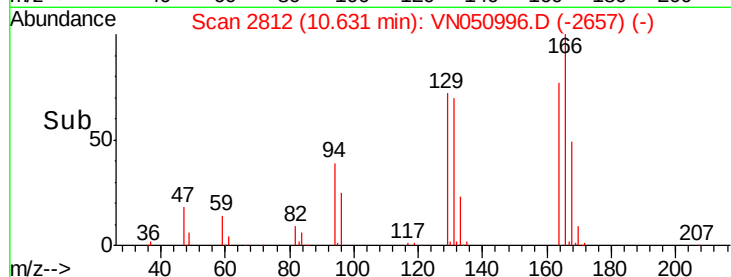
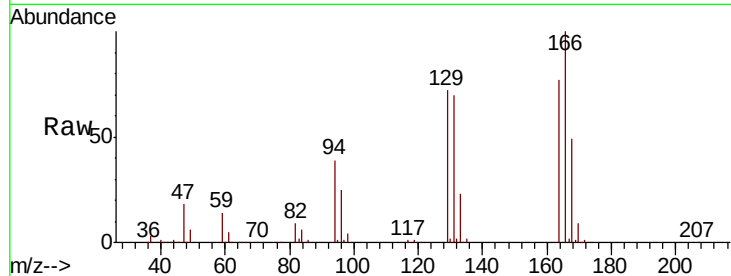
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	134684
Ion	Ratio	Lower	Upper
164	100		
166	128.9	100.6	151.0
129	93.2	71.0	106.6
131	90.0	69.3	103.9

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#62

Toluene

Concen: 19.98 ug/l

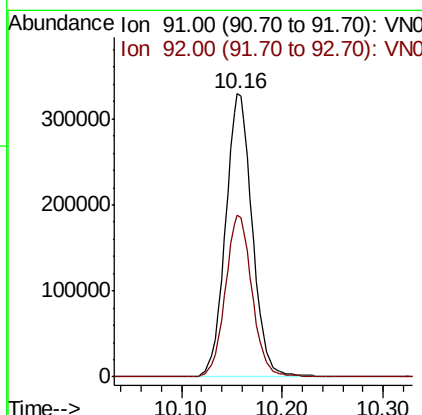
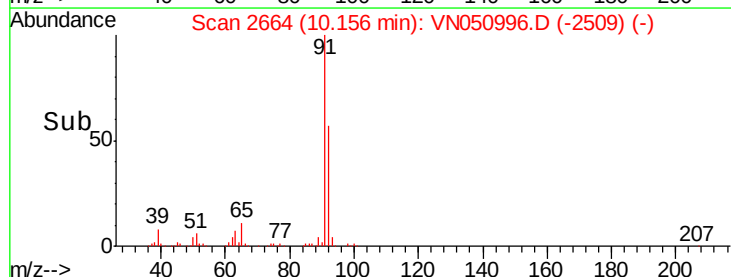
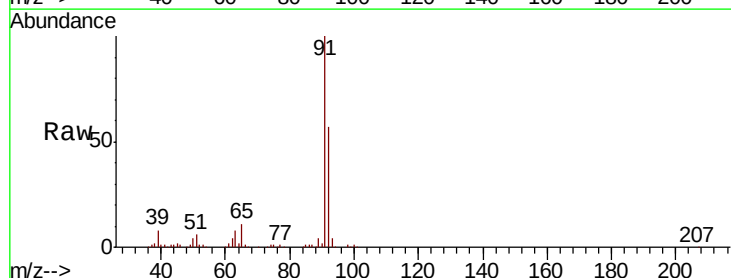
RT: 10.16 min Scan# 2664

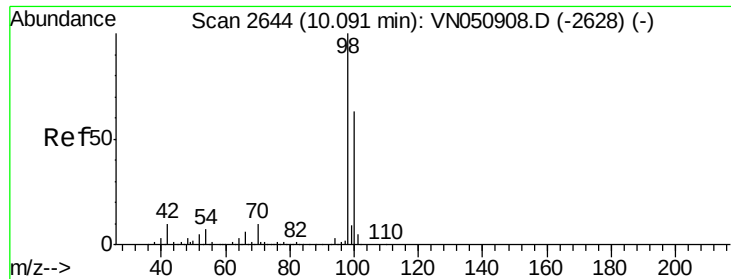
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	91	Resp:	606620
Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.8	68.8





#63

Toluene-d8

Concen: 31.01 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 787264

Ion Ratio Lower Upper

98 100

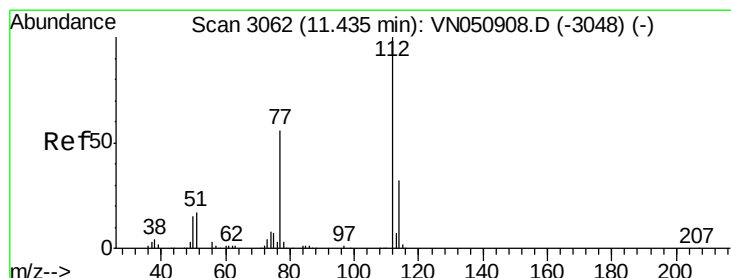
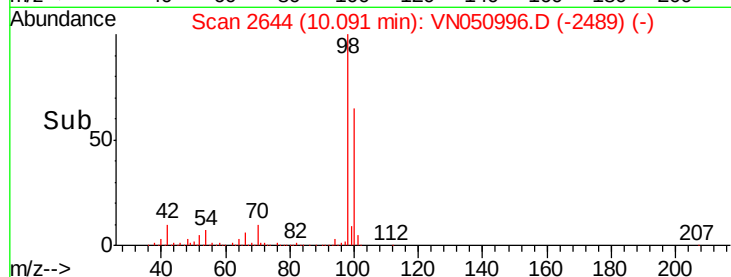
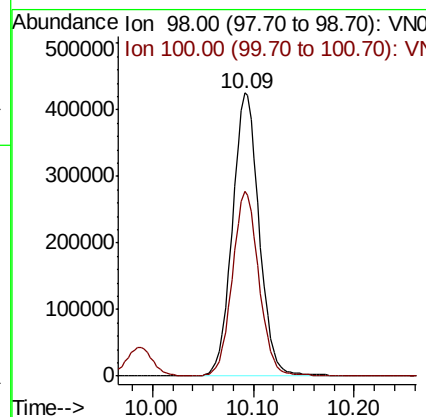
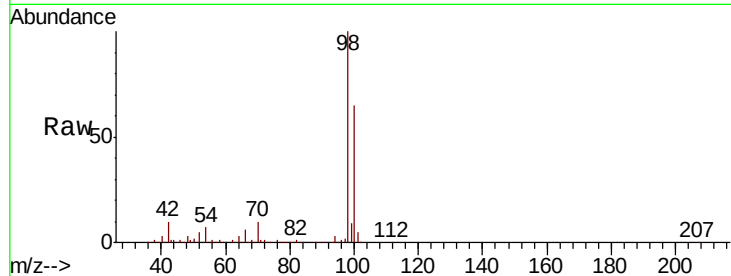
100 65.0 50.6 75.8

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#64

Chlorobenzene

Concen: 19.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050996.D

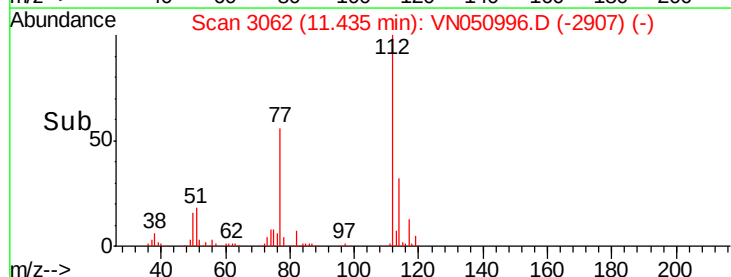
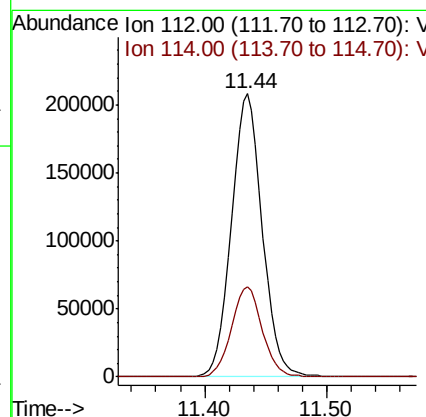
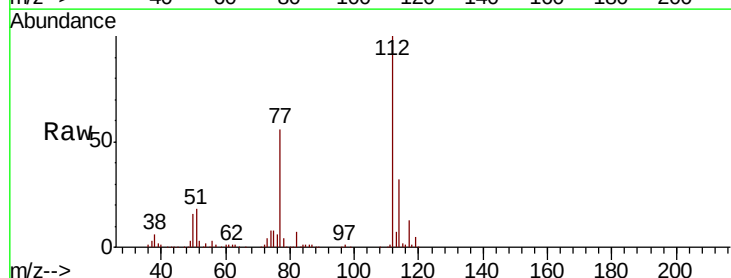
Acq: 31 Aug 2018 18:32

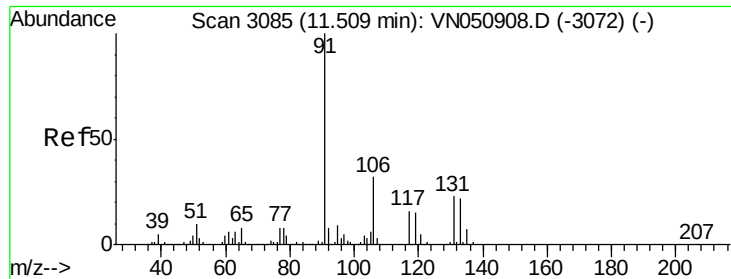
Tgt Ion: 112 Resp: 366550

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

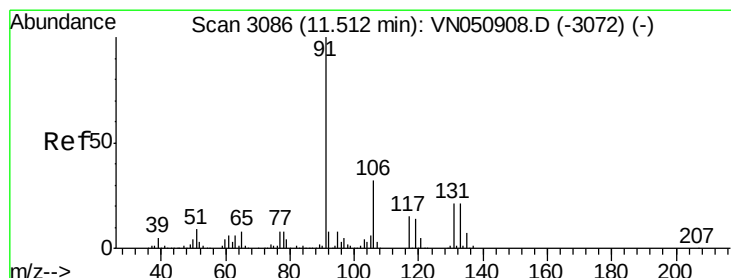
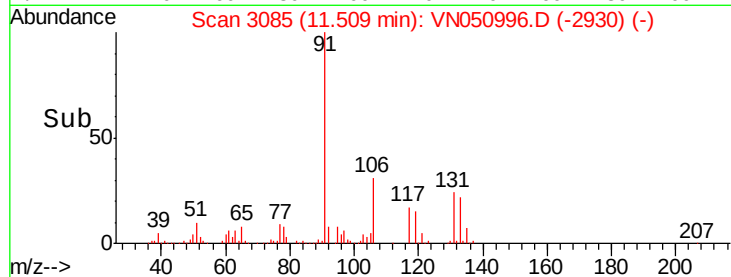
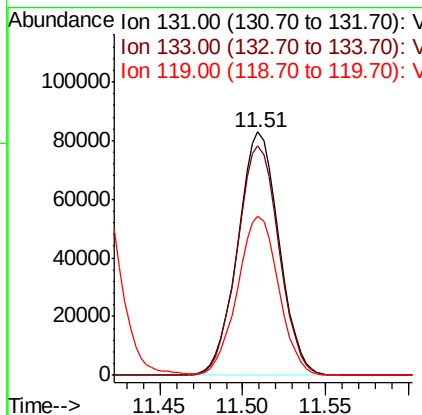
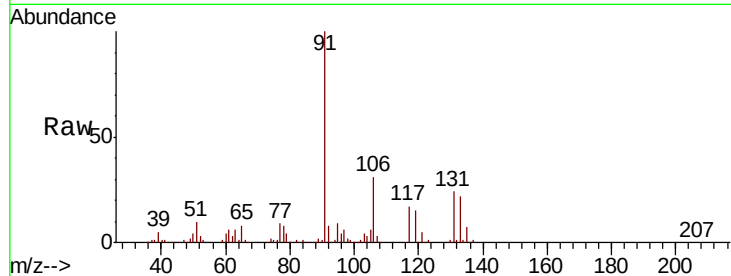
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	143813
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	189.4
119	65.4	0.0	132.2

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#66

Ethyl Benzene

Concen: 19.01 ug/l

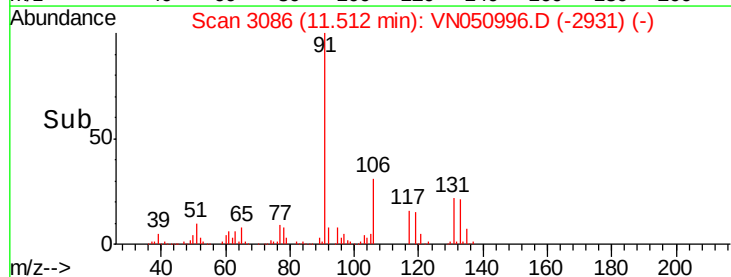
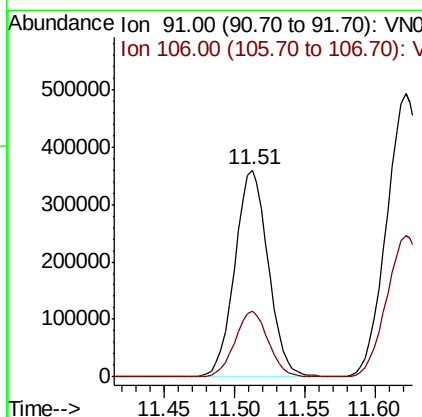
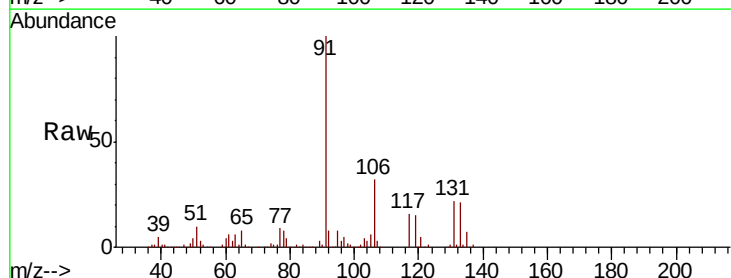
RT: 11.51 min Scan# 3086

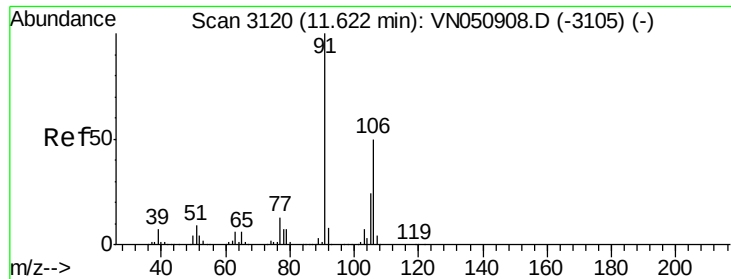
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	91	Resp:	598125
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.7	38.5





#67

m/p-Xylenes

Concen: 39.26 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 475159

Ion Ratio Lower Upper

106 100

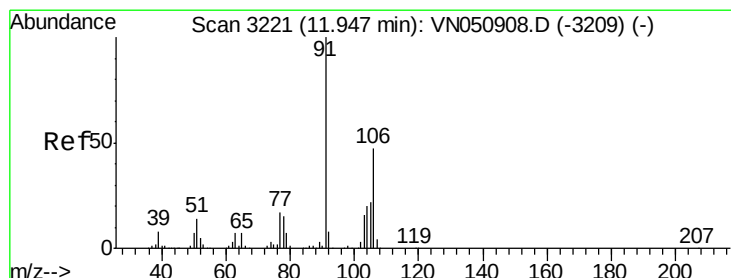
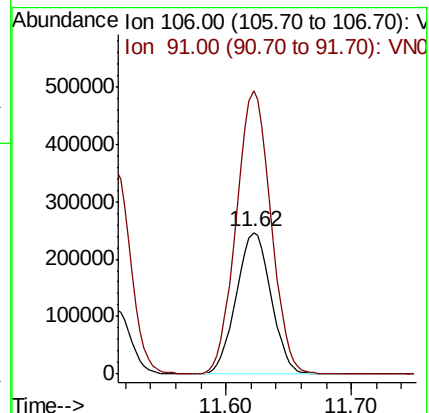
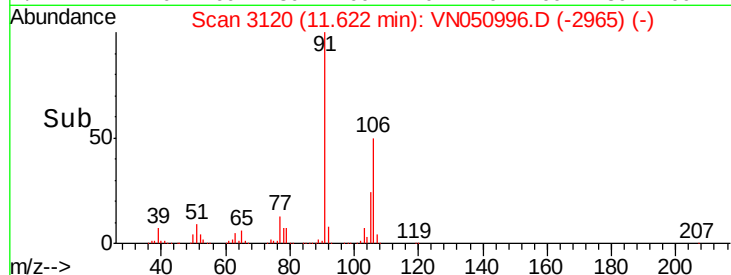
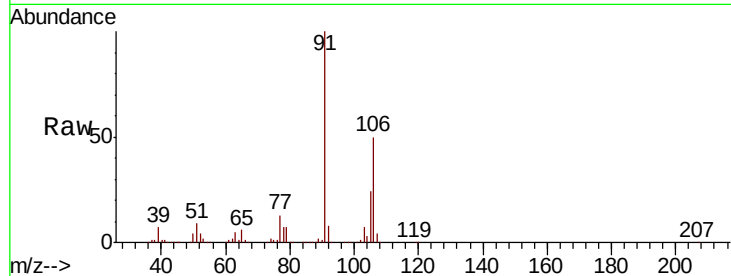
91 199.1 160.6 241.0

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#68

o-Xylene

Concen: 19.37 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050996.D

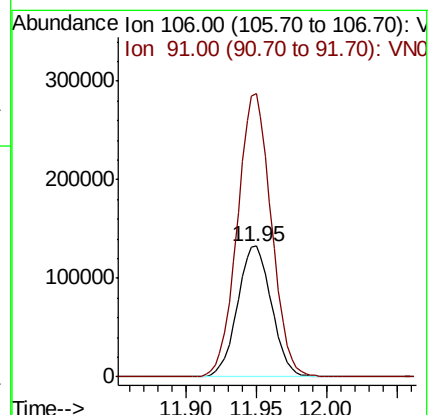
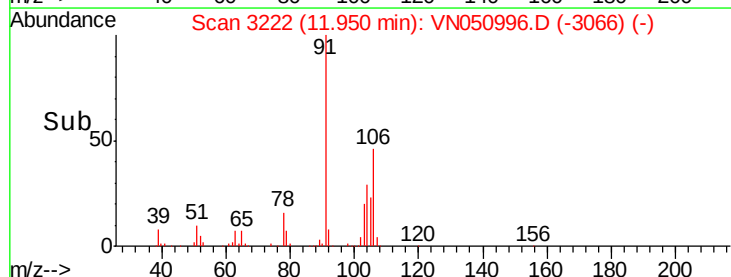
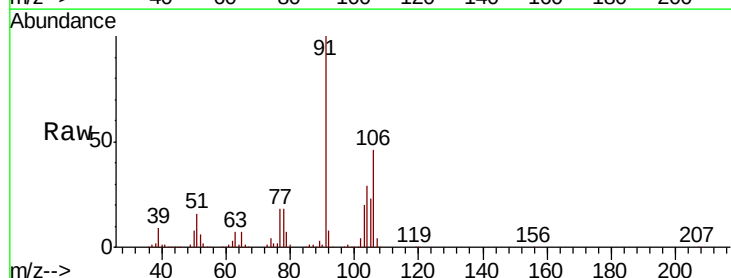
Acq: 31 Aug 2018 18:32

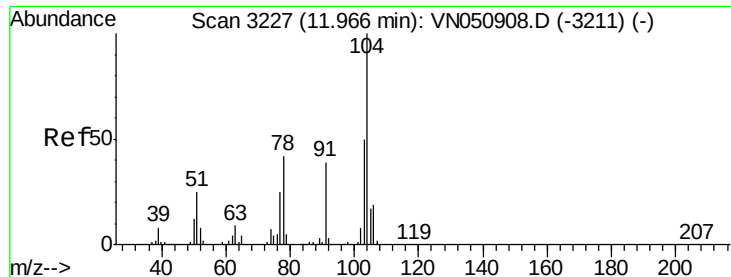
Tgt Ion:106 Resp: 223960

Ion Ratio Lower Upper

106 100

91 216.6 106.4 319.2





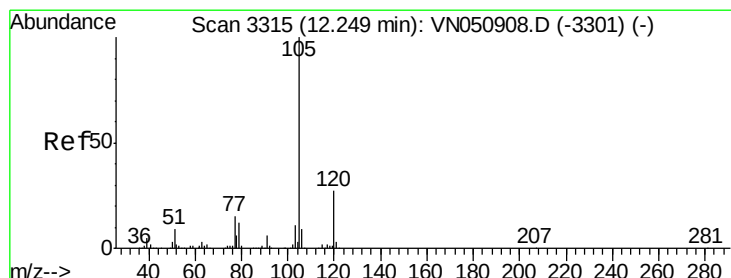
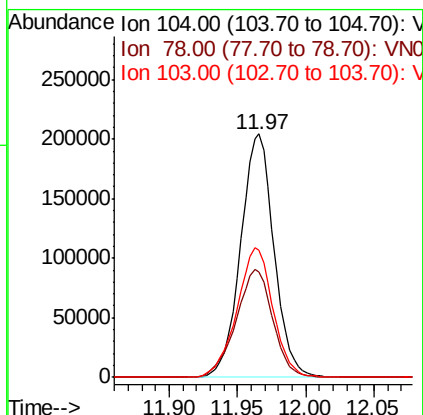
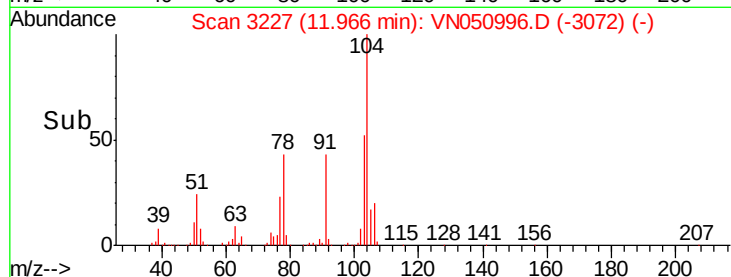
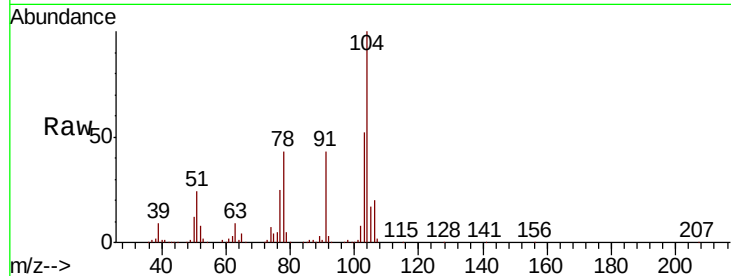
#69
Stvrene
Concen: 18.84 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.6	58.0
103	57.7	45.4	68.2

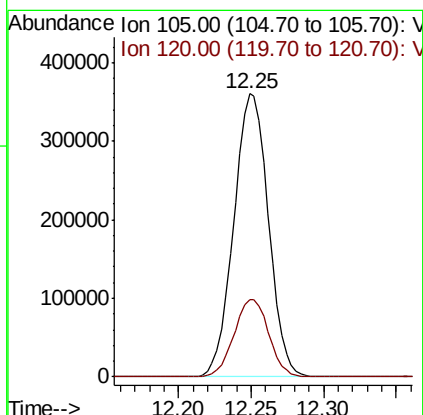
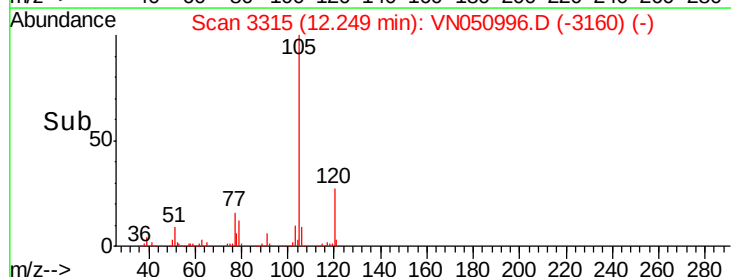
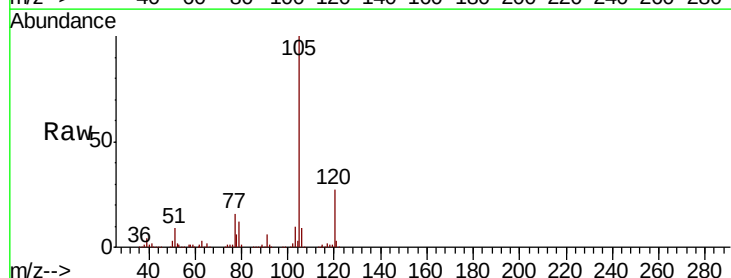
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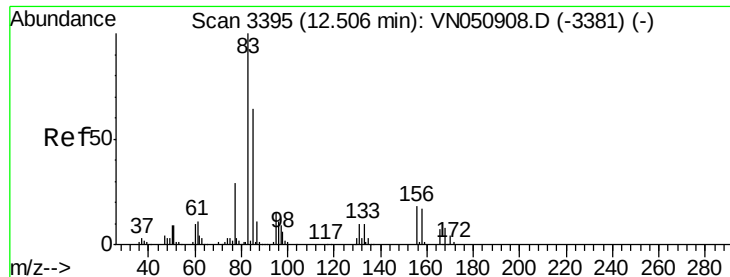
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#70
Isopropylbenzene
Concen: 19.41 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	18.6	34.6





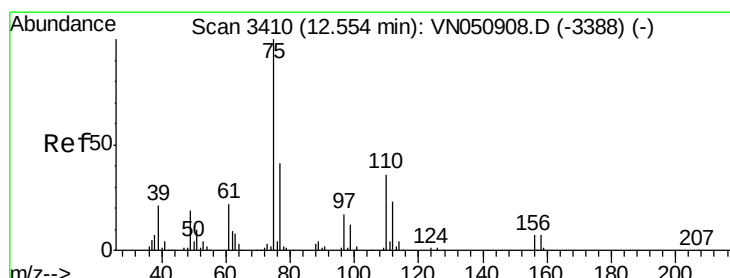
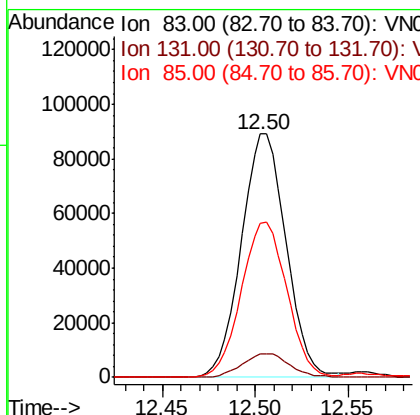
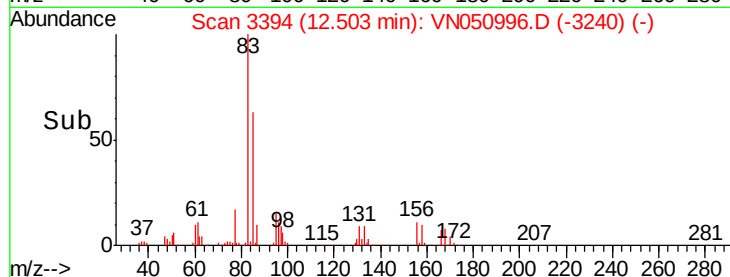
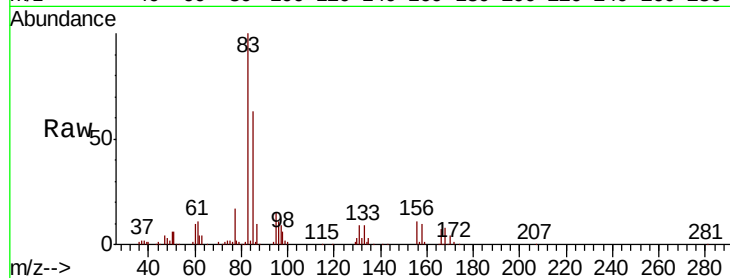
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.98 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.8	32.3	96.9

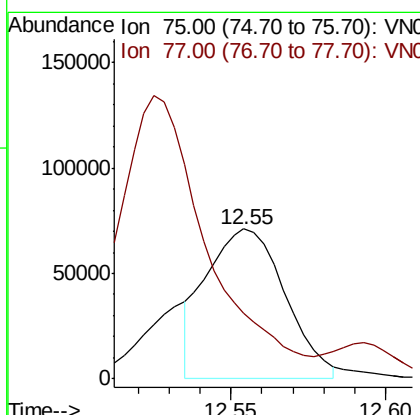
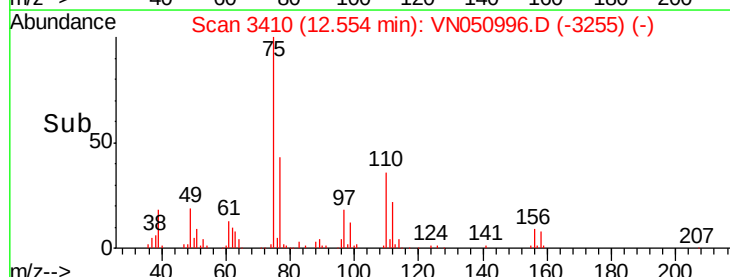
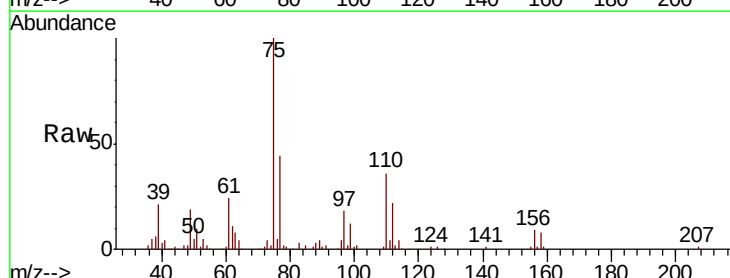
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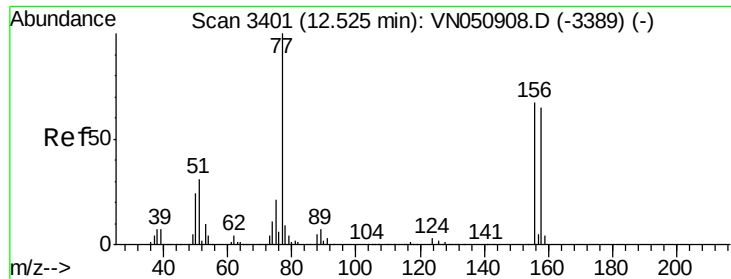
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#72
 1,2,3-Trichloropropane
 Concen: 17.59 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	214.4	0.0	301.6





#73

Bromobenzene

Concen: 18.78 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

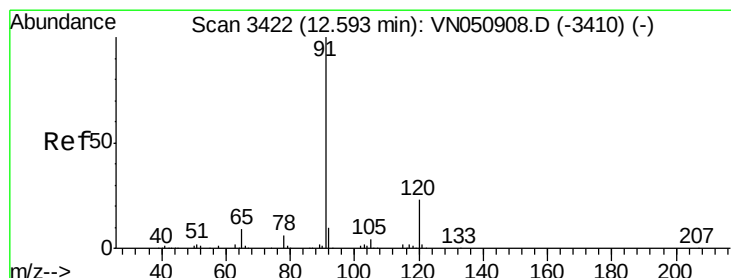
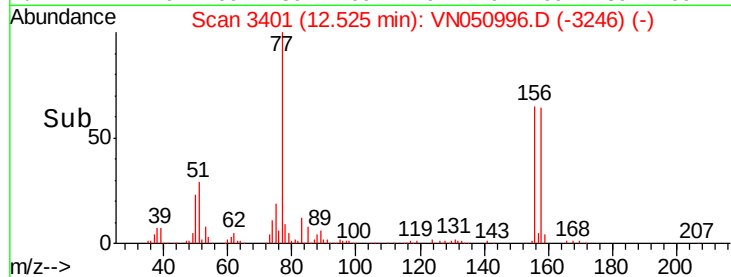
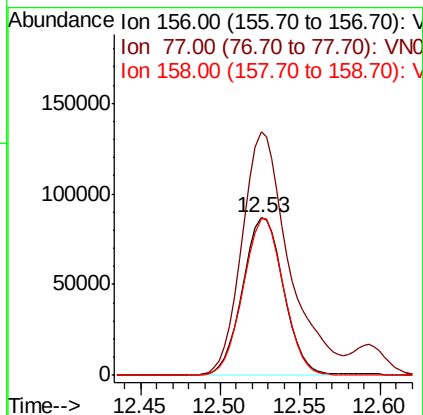
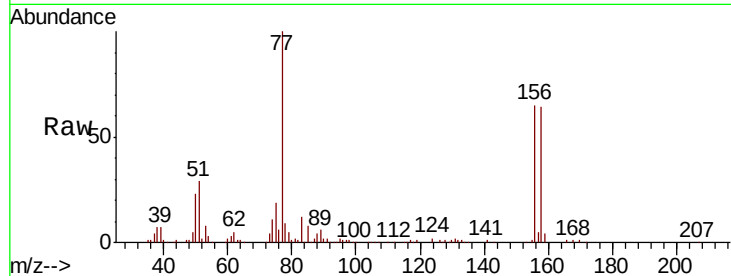
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	151823
Ion Ratio	Lower	Upper	
156	100		
77	178.3	0.0	359.4
158	98.3	0.0	194.6

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#74

n-propylbenzene

Concen: 18.94 ug/l

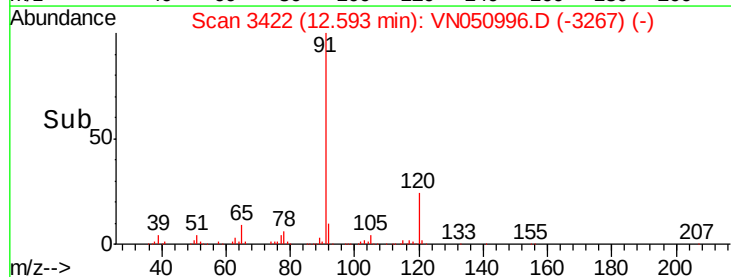
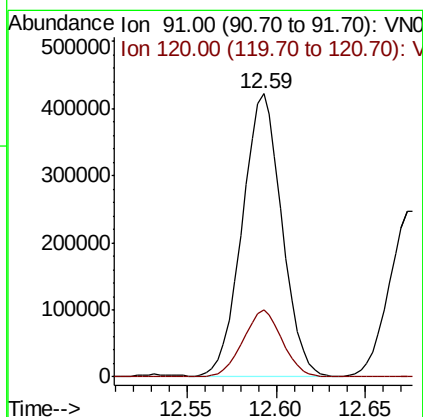
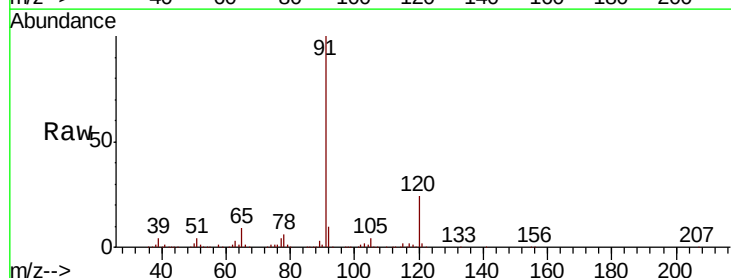
RT: 12.59 min Scan# 3422

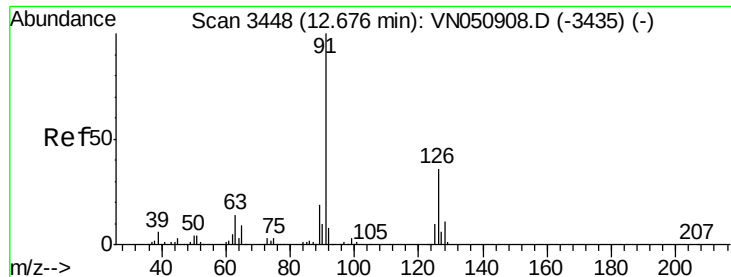
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion:	91	Resp:	658150
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.60 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 413761

Ion Ratio Lower Upper

91 100

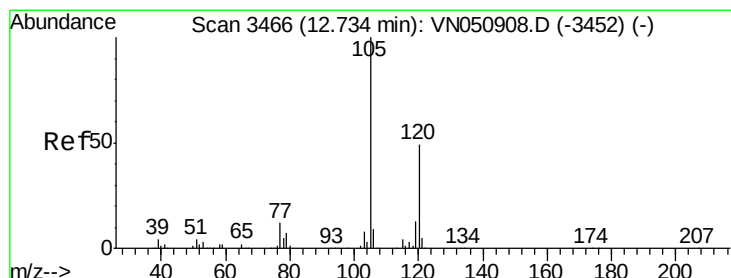
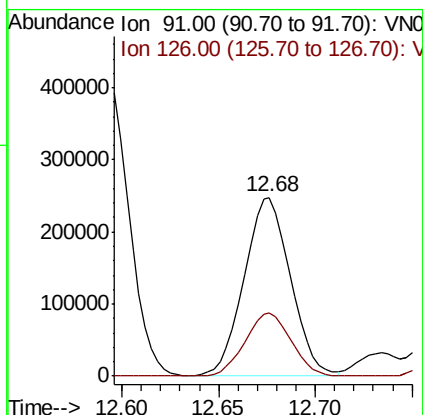
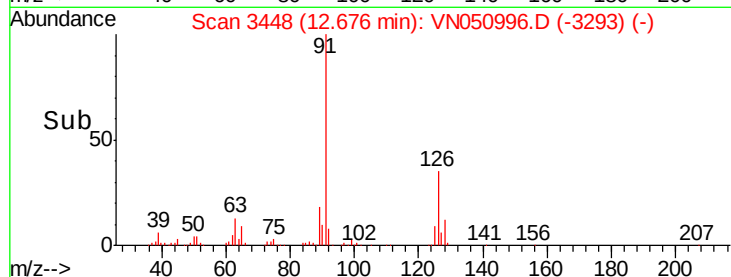
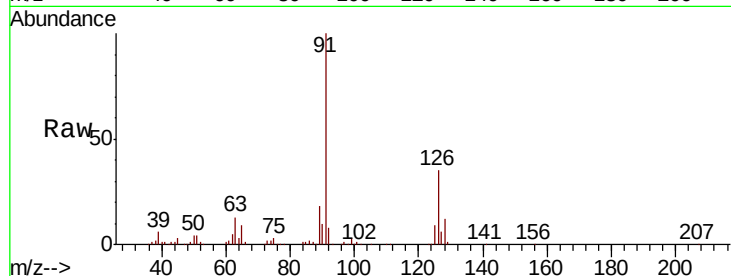
126 35.2 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050996.D

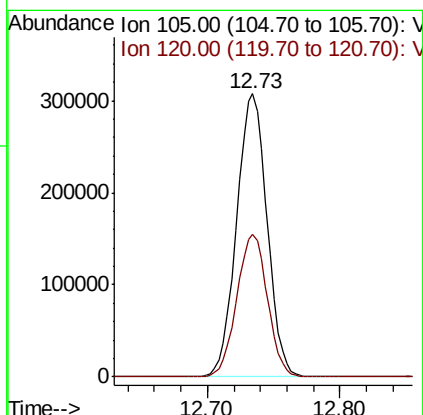
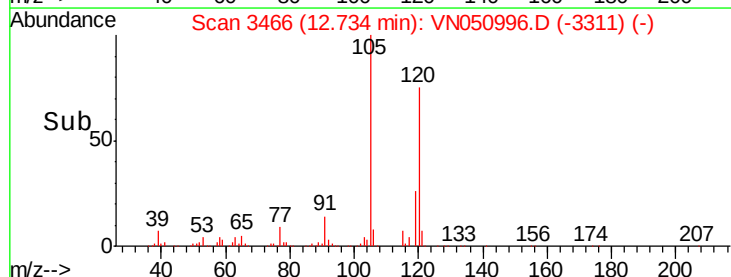
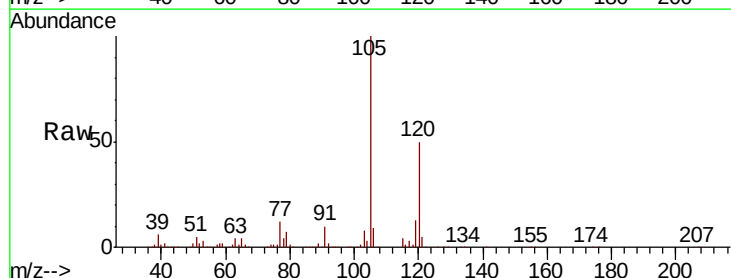
Acq: 31 Aug 2018 18:32

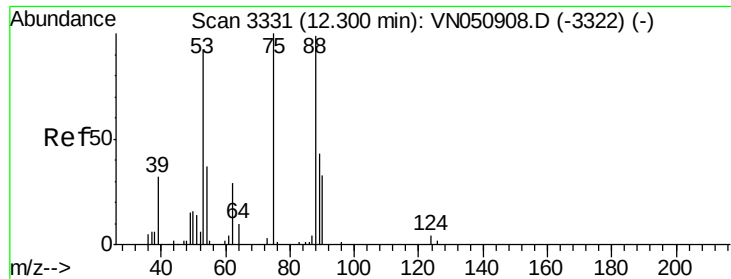
Tgt Ion: 105 Resp: 488617

Ion Ratio Lower Upper

105 100

120 50.9 0.0 99.6





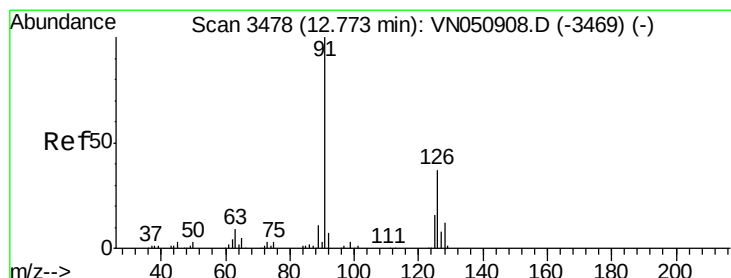
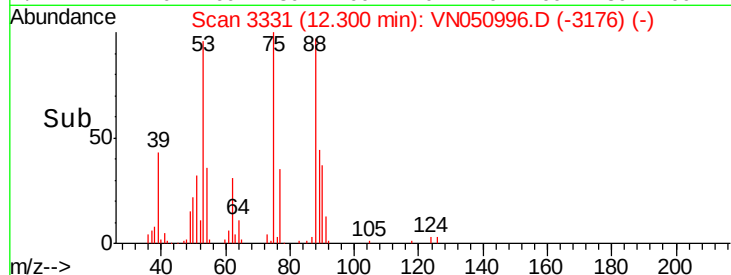
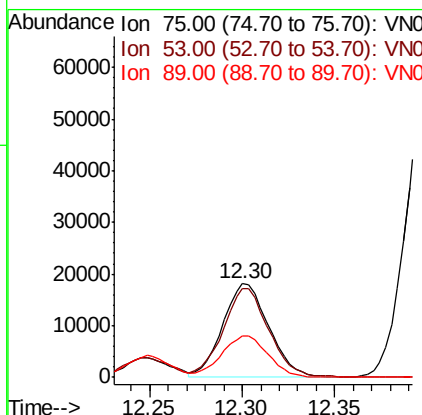
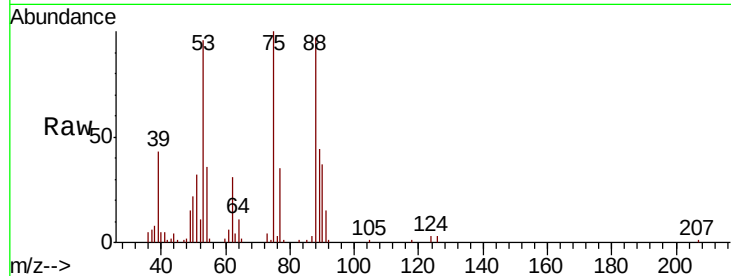
#77
t-1,4-Dichloro-2-butene
Concen: 15.37 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	45.5	136.4
89	43.7	21.9	65.8

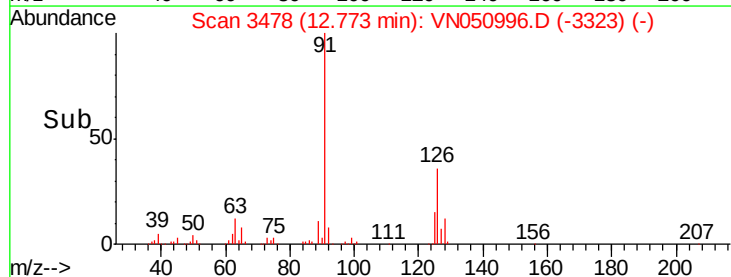
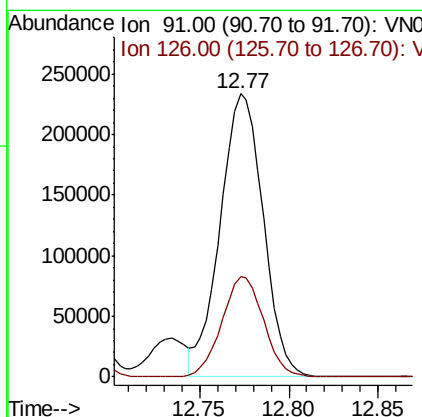
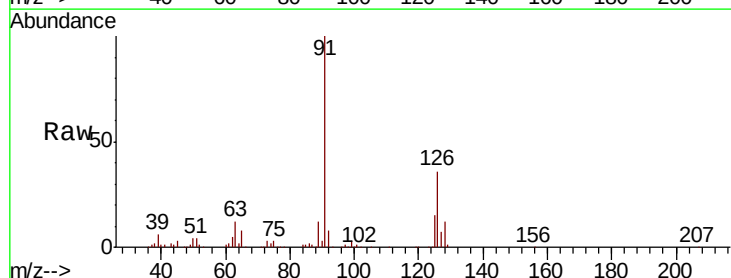
Manual Integrations
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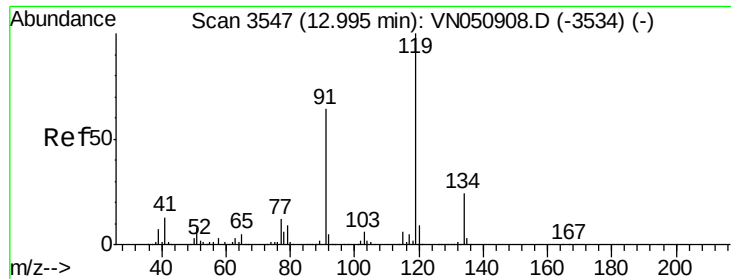
MMDadoda
9/4/2018 12:28:13 PM



#78
4-Chlorotoluene
Concen: 18.83 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.8





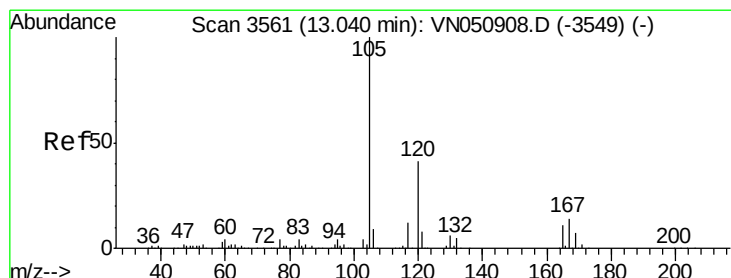
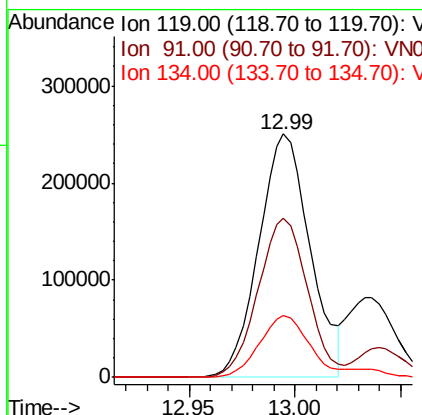
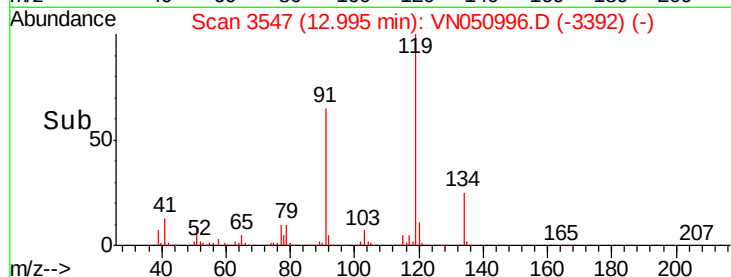
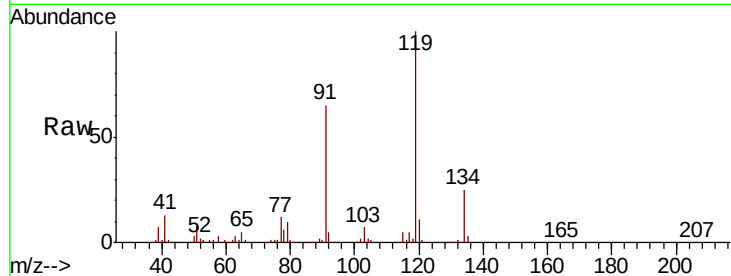
#79
 tert-butylbenzene
 Concen: 19.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	423239		
91	63.3	0.0	125.6	
134	24.3	0.0	48.4	

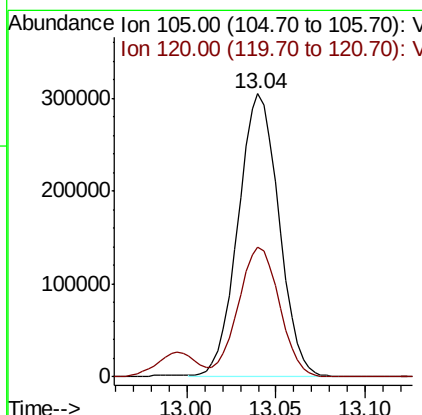
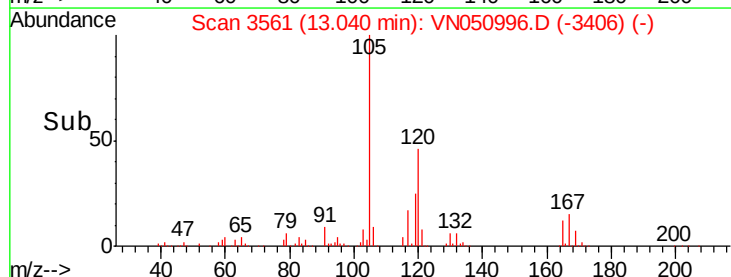
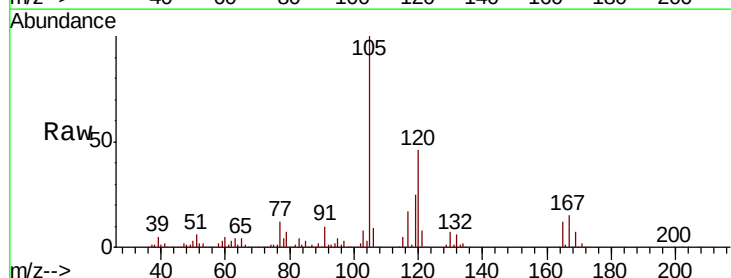
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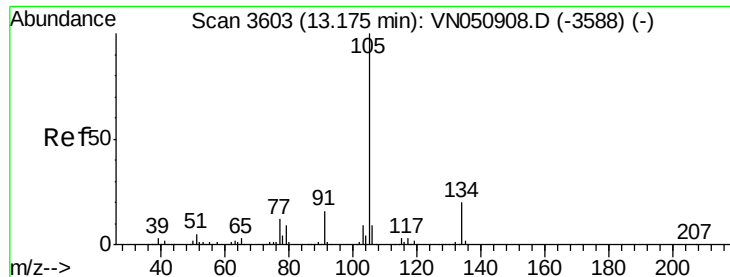
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#80
 1,2,4-Trimethylbenzene
 Concen: 19.37 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485031		
120	46.8	0.0	93.6	





#81

sec-Butylbenzene

Concen: 19.14 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 546036

Ion Ratio Lower Upper

105 100

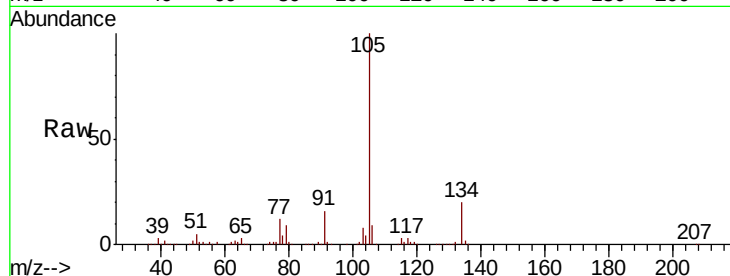
134 20.1 0.0 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

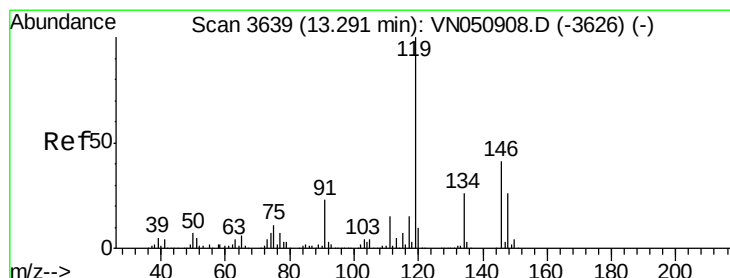
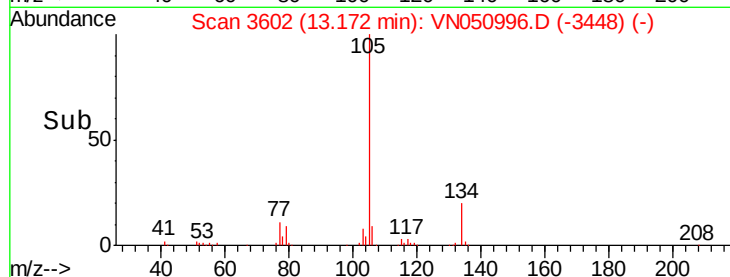
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.90 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

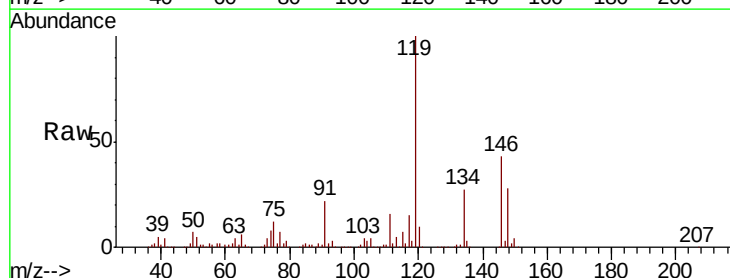
Tgt Ion:119 Resp: 465495

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.5 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

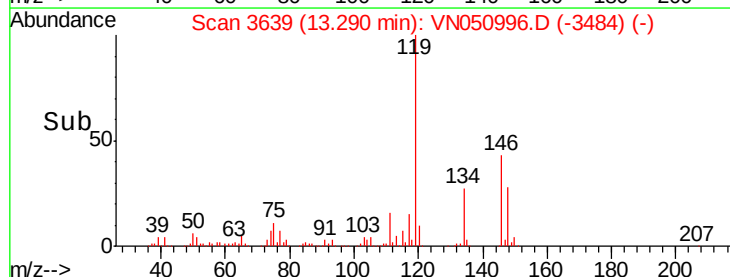
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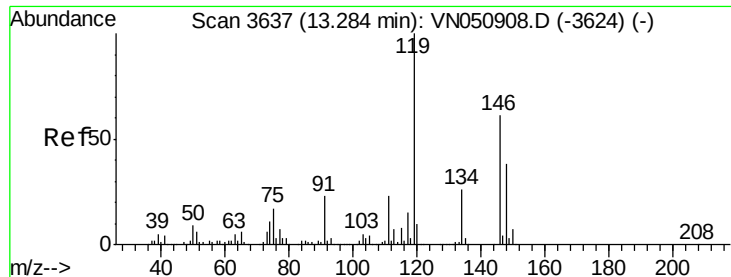
200000

100000

0

Time-->





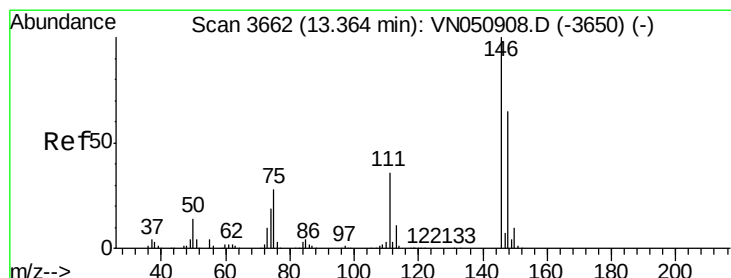
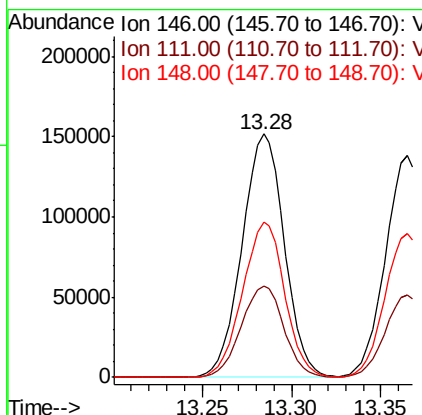
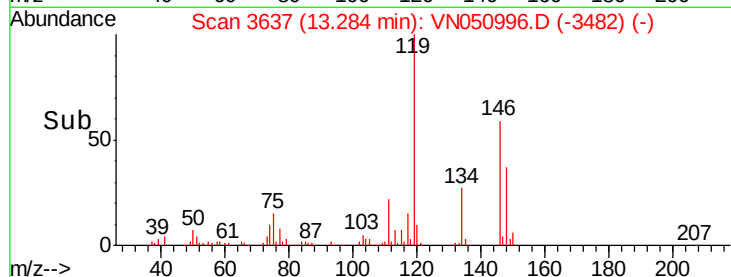
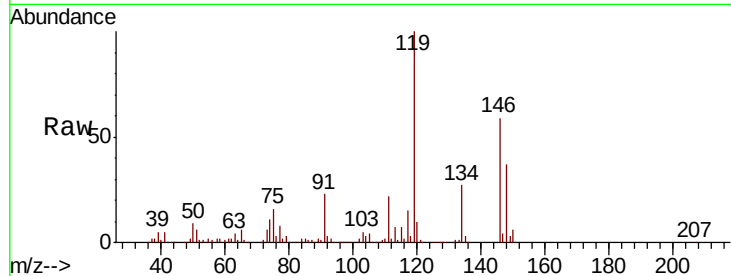
#83
 1,3-Dichlorobenzene
 Concen: 18.35 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250896		
111	37.7	18.6	55.6	
148	63.5	31.8	95.3	

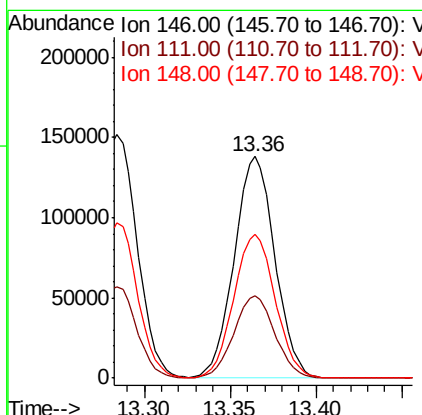
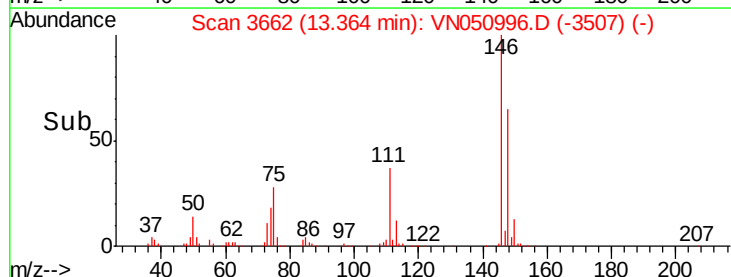
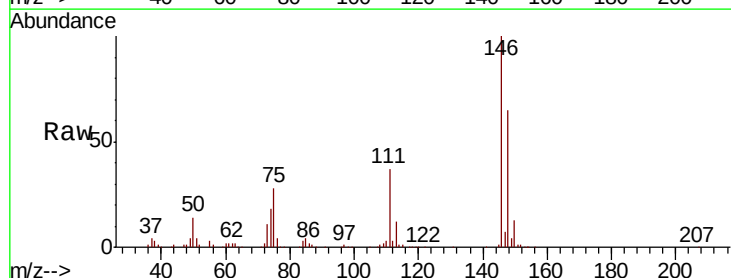
Manual Integrations
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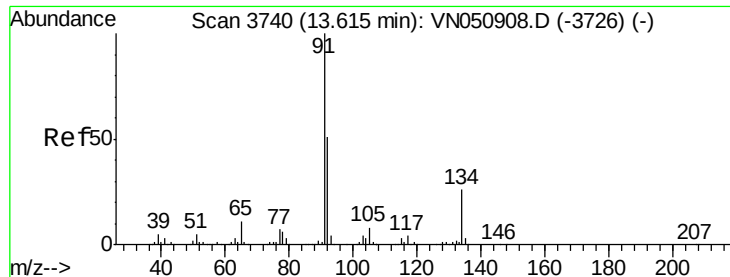
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 17.53 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	227082		
111	37.3	17.7	53.1	
148	65.7	31.6	94.8	





#85

n-Butylbenzene

Concen: 17.40 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

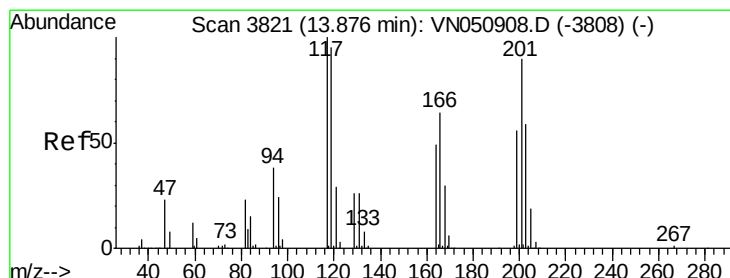
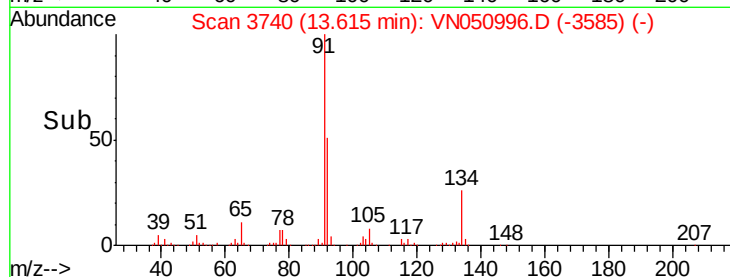
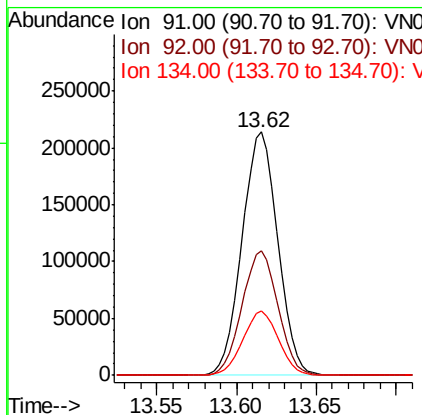
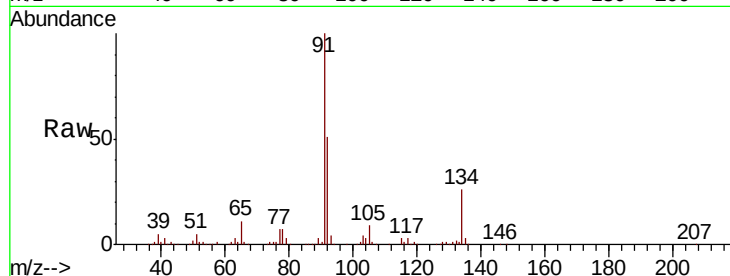
ClientSampled :

VSTDCCC020

Tot Ion	91	Resp	326976
Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	101.8
134	26.4	0.0	52.2

Manual Integrations
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#86

Hexachloroethane

Concen: 18.25 ug/l

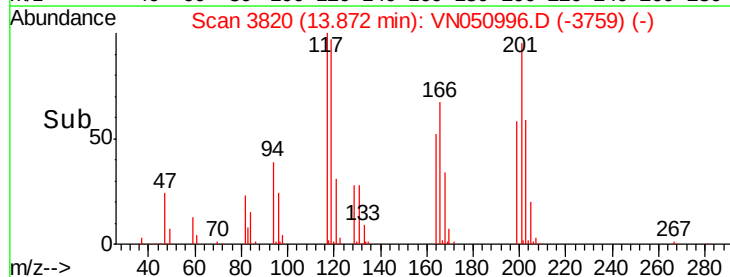
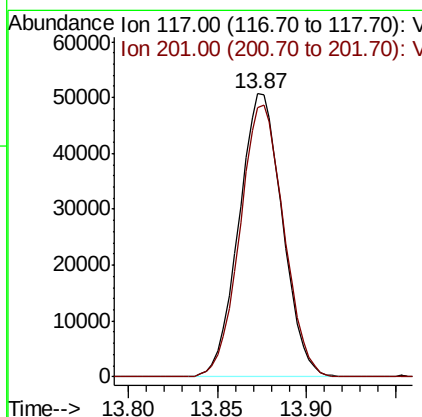
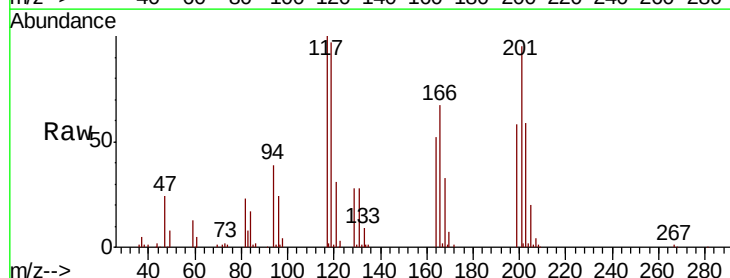
RT: 13.87 min Scan# 3820

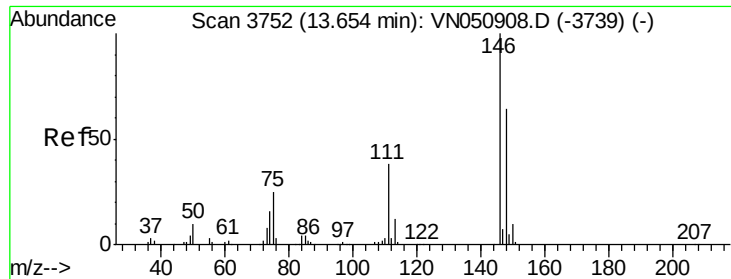
Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Tgt Ion	117	Resp	86301
Ion	Ratio	Lower	Upper
117	100		
201	96.5	45.8	137.4





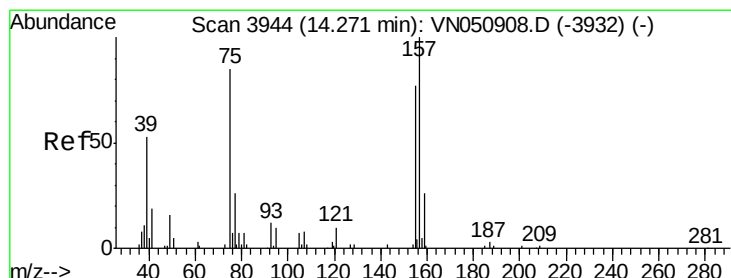
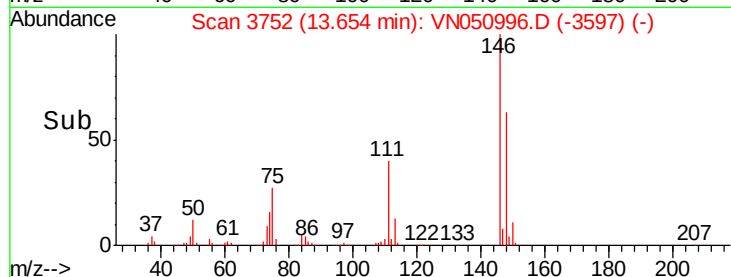
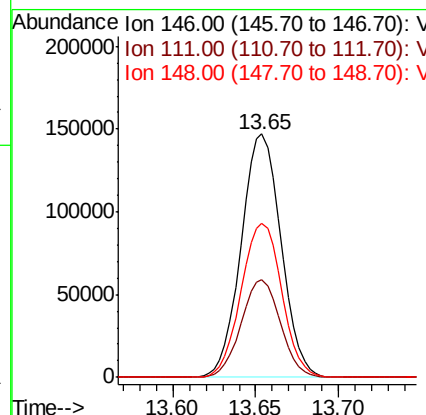
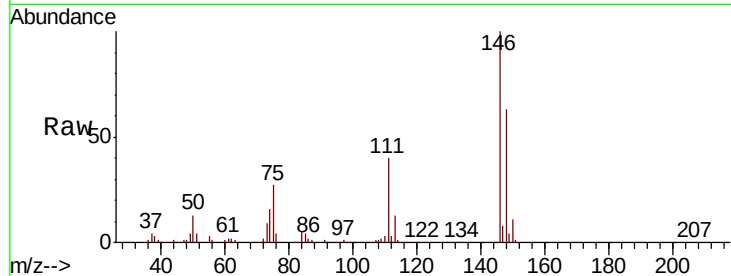
#87
 1,2-Dichlorobenzene
 Concen: 18.33 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	64.4	31.9	95.9

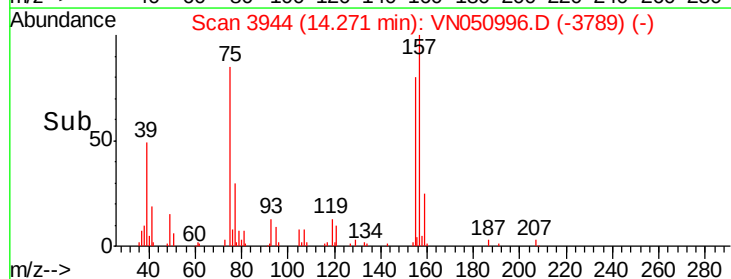
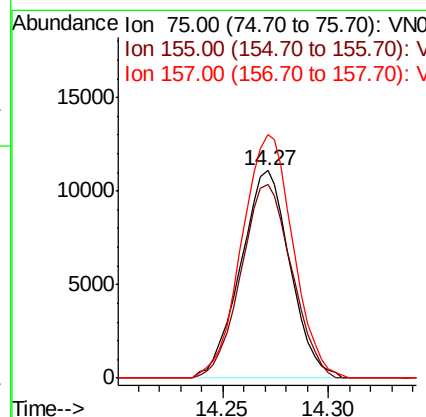
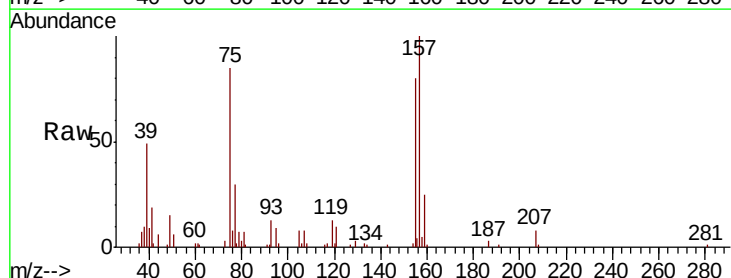
Manual Integrations
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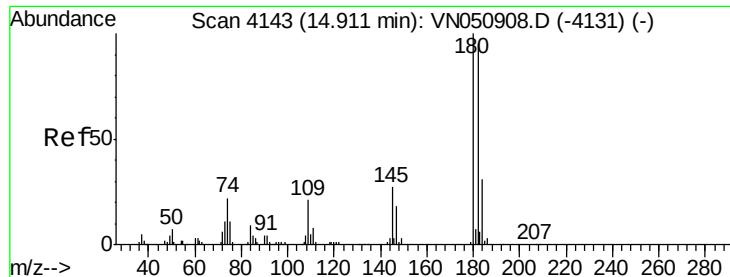
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.58 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	71.8	107.6
157	121.1	91.1	136.7





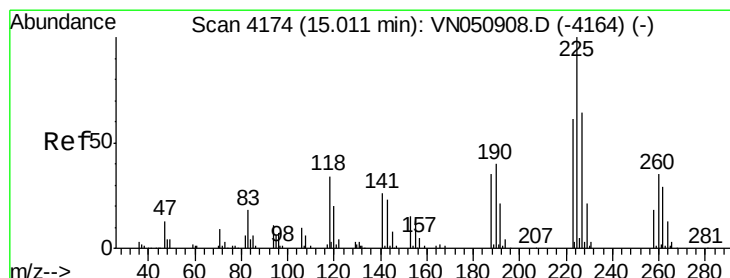
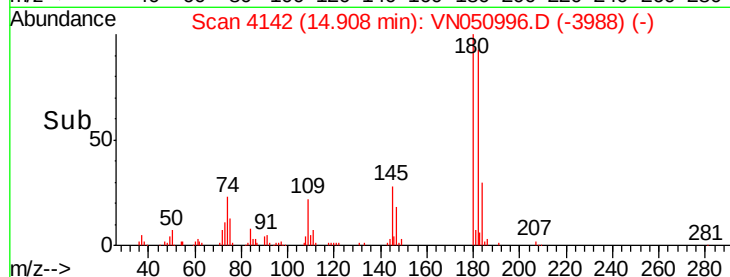
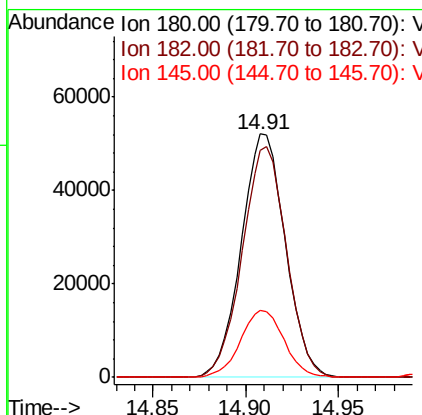
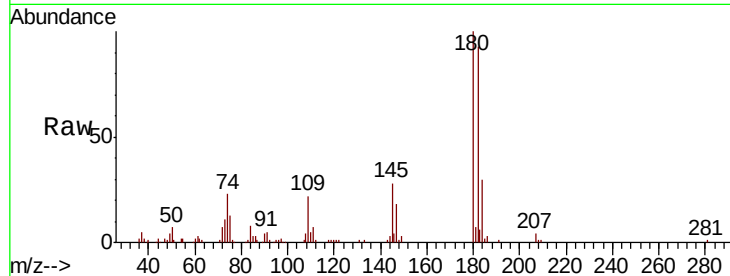
#89
 1,2,4-Trichlorobenzene
 Concen: 14.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.4
145	27.1	22.2	33.4

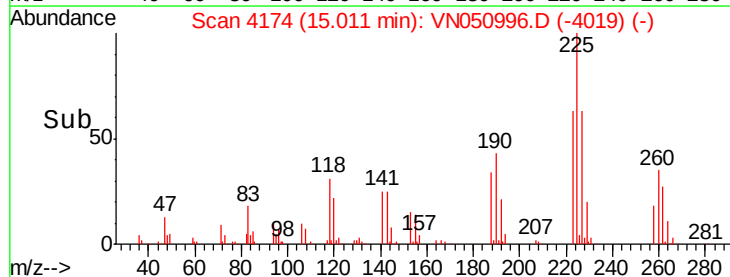
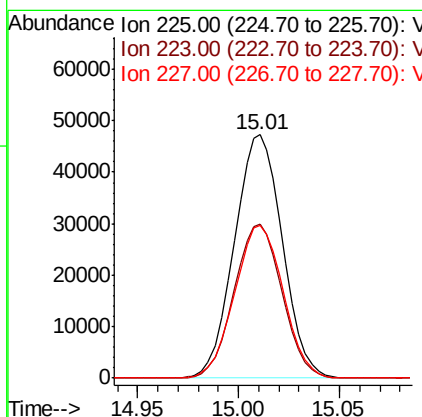
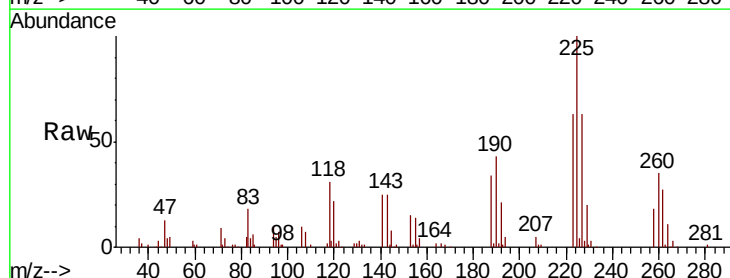
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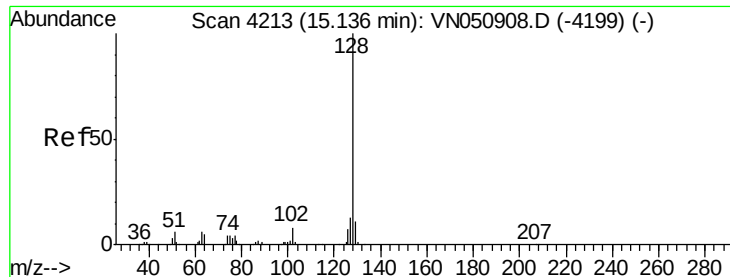
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#90
 Hexachlorobutadiene
 Concen: 19.36 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	127.8
227	63.6	0.0	128.4





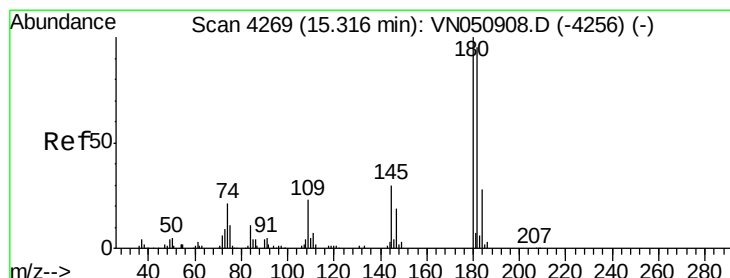
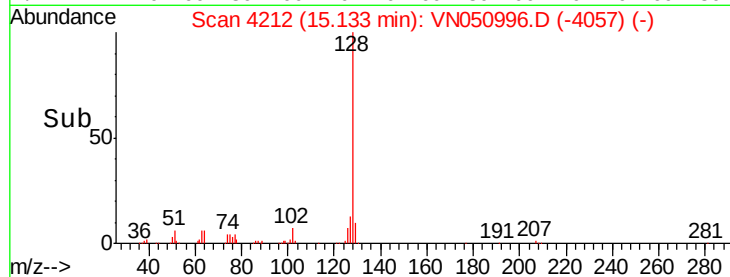
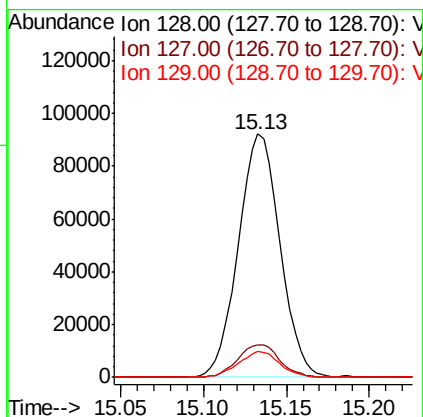
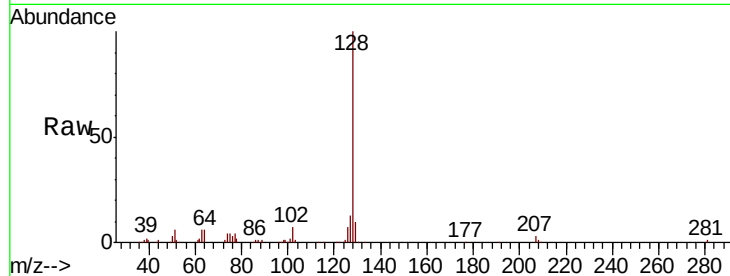
#91
Naphthalene
Concen: 17.18 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.4	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 15.16 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	192.8
145	30.5	0.0	60.0

