

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050909.D
 Acq On : 28 Aug 2018 12:50
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:09:55 AM

Quant Time: Aug 29 01:29:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	122418	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	646943	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	578435	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	229207	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	12.40	95	265943	30.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.07%
63) Toluene-d8	10.09	98	808685	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	398986	52.48	ug/l	100
3) Chloromethane	2.06	50	450447	50.18	ug/l	100
4) Vinyl Chloride	2.18	62	446369	50.32	ug/l	99
5) Bromomethane	2.56	94	263940	48.82	ug/l	98
6) Chloroethane	2.70	64	258543	49.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	581000	49.41	ug/l	99
8) Diethyl Ether	3.41	74	207605	50.08	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	359820	49.41	ug/l	100
10) 1,1-Dichloroethene	3.73	96	328602	49.68	ug/l	99
11) Methyl Iodide	3.95	142	313852	50.85	ug/l	100
12) Methyl Acetate	4.33	43	382149	49.96	ug/l	99
13) Acrolein	3.61	56	37966	224.16	ug/l	93
14) Acrylonitrile	4.99	53	646229	249.88	ug/l	98
15) Acetone	3.82	58	149990	226.65	ug/l	92
16) Carbon Disulfide	4.05	76	982153	49.38	ug/l	99
17) Allyl chloride	4.32	41	518109	49.78	ug/l	99
18) Methylene Chloride	4.55	84	381222	49.10	ug/l	100
19) trans-1,2-Dichloroethene	5.04	96	351109	49.82	ug/l	98
20) Diisopropyl ether	5.96	45	1102607	51.04	ug/l	98
21) 1,1-Dichloroethane	5.85	63	650924	49.14	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	392095	49.25	ug/l	98
23) tert-Butyl Alcohol	4.79	59	131403	238.92	ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	915344	50.59	ug/l	99
25) Chloroform	7.37	83	655022	49.54	ug/l	98
26) Cyclohexane	7.66	56	559094	50.94	ug/l	99
29) 1,1-Dichloropropene	7.80	75	496701	51.28	ug/l	99
30) 2-Butanone	6.84	43	722633	242.53	ug/l	99
31) 2,2-Dichloropropane	6.83	77	463224	49.15	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	553216	50.37	ug/l	100
33) Carbon Tetrachloride	7.78	117	497102	50.26	ug/l	97
34) Benzene	8.04	78	1509396	50.38	ug/l #	93
35) Methacrylonitrile	7.17	41	156458	47.93	ug/l	98
36) 1,2-Dichloroethane	8.13	62	454087	50.11	ug/l	100
37) Trichloroethene	8.84	130	390546	49.87	ug/l	99
38) Methylcyclohexane	9.08	83	530009	50.95	ug/l	98
39) 1,2-Dichloropropane	9.12	63	392313	50.13	ug/l	99
40) Dibromomethane	9.21	93	237550	50.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	501196	50.44	ug/l	100
42) Vinyl Acetate	5.90	43	3580926	260.93	ug/l	99
43) Ethyl Acetate	6.93	43	310810	50.92	ug/l	94
44) Isopropyl Acetate	8.17	43	550377	51.10	ug/l	100
45) 1,4-Dioxane	9.20	88	82534	1031.57	ug/l	96
46) Methyl methacrylate	9.20	41	277546	51.45	ug/l	98
47) n-amyl Acetate	12.07	43	460031	53.13	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	497481	51.07	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	572751	51.19	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	347186	50.69	ug/l	99
51) Ethyl methacrylate	10.43	69	438265	52.30	ug/l	99
52) 1,3-Dichloropropane	10.71	76	572110	50.43	ug/l	99
53) Dibromochloromethane	10.90	129	390961	50.20	ug/l	99
54) 1,2-Dibromoethane	11.01	107	343333	50.70	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	911305	261.36	ug/l	100
56) Bromoform	12.13	173	280344	50.61	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	1627581	245.92	ug/l	99
59) 2-Hexanone	10.75	43	1069808	247.30	ug/l	99
61) Tetrachloroethene	10.63	164	363420	50.42	ug/l	99
62) Toluene	10.16	91	1626750	50.41	ug/l	100
64) Chlorobenzene	11.44	112	1005613	50.28	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	380168	50.34	ug/l	99
66) Ethyl Benzene	11.51	91	1737039	51.97	ug/l	99
67) m/p-Xylenes	11.62	106	1341998	104.35	ug/l	100
68) o-Xylene	11.95	106	646729	52.63	ug/l	100
69) Styrene	11.97	104	1040574	53.26	ug/l	99
70) Isopropylbenzene	12.25	105	1704825	52.21	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	447189	50.58	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	386668m	50.85	ug/l	
73) Bromobenzene	12.53	156	437311	50.90	ug/l	99
74) n-propylbenzene	12.59	91	1940583	52.56	ug/l	100
75) 2-Chlorotoluene	12.68	91	1161632	51.79	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1408228	52.77	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110787	50.98	ug/l	98
78) 4-Chlorotoluene	12.77	91	1166350	52.81	ug/l	100
79) tert-butylbenzene	12.99	119	1210057	52.21	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1423545	53.51	ug/l	99
81) sec-Butylbenzene	13.17	105	1592930	52.53	ug/l	100
82) p-Isopropyltoluene	13.29	119	1393311	53.23	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	769462	52.97	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	735262	53.42	ug/l	99
85) n-Butylbenzene	13.62	91	1087942	54.48	ug/l	99
86) Hexachloroethane	13.88	117	251413	50.04	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	752626	52.64	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	65357	52.84	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	352496	55.38	ug/l	98
90) Hexachlorobutadiene	15.01	225	226059	52.27	ug/l	99
91) Naphthalene	15.14	128	747028	54.76	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	347466	54.40	ug/l	100

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ClientSampleId :
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Manual Integrations
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QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

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

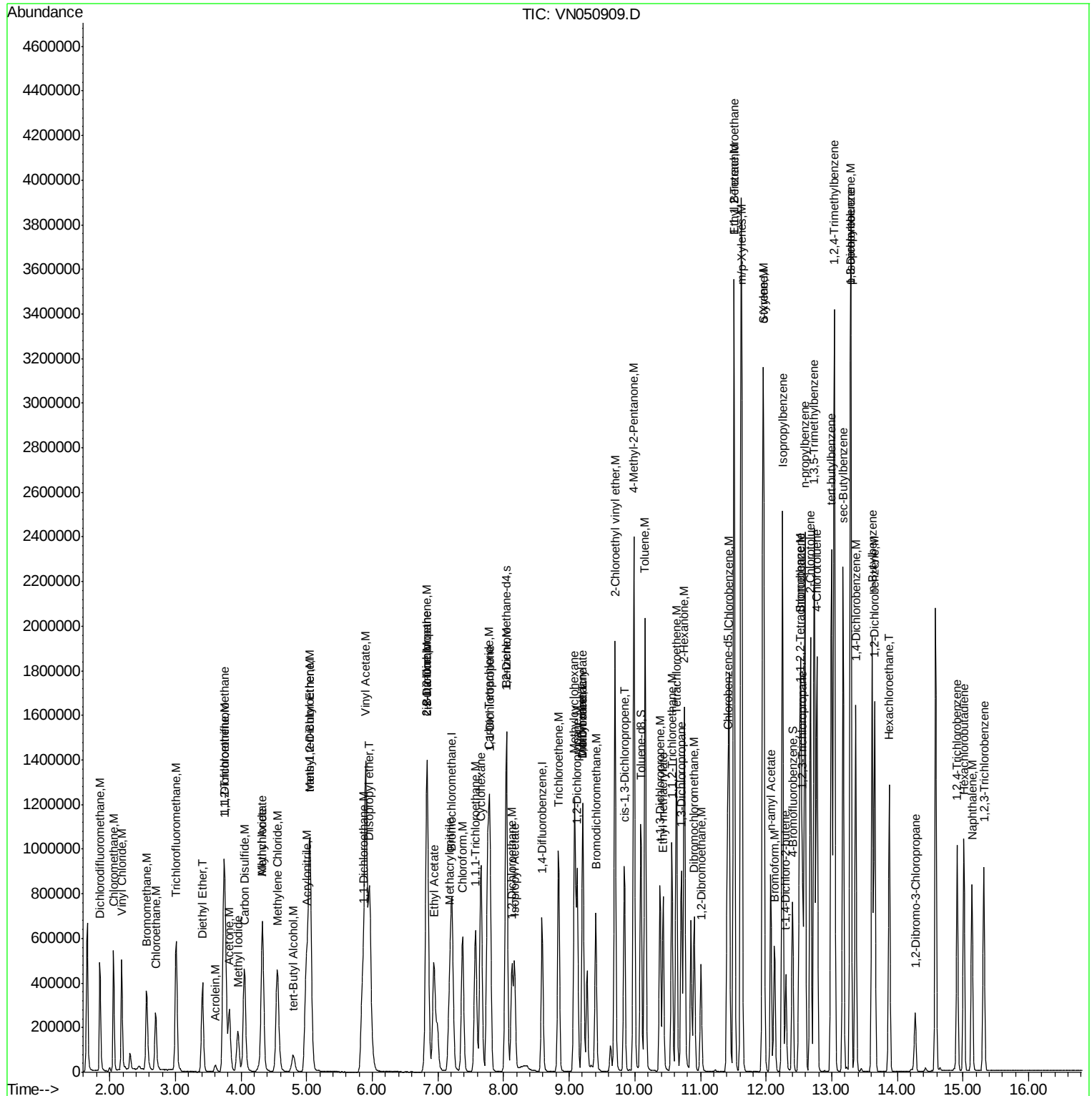
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050909.D
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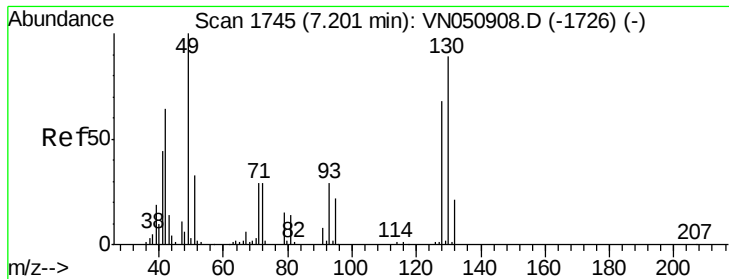
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

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: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

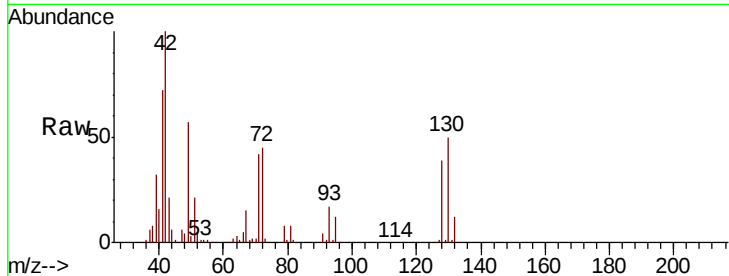
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	122418
Ion	Ratio	Lower	Upper
128	100		
49	152.7	0.0	380.3
130	127.8	0.0	325.3

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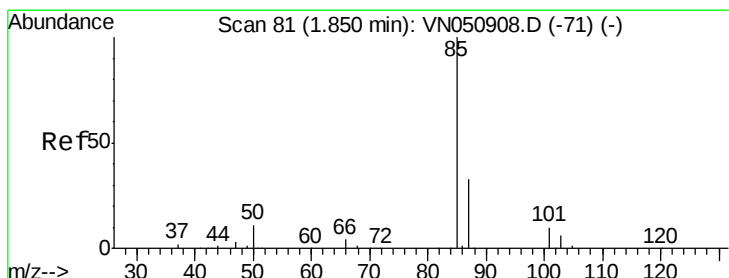
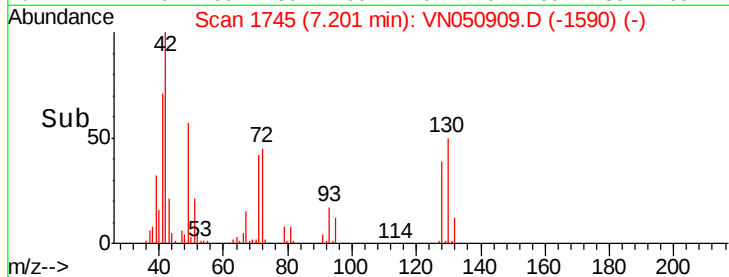
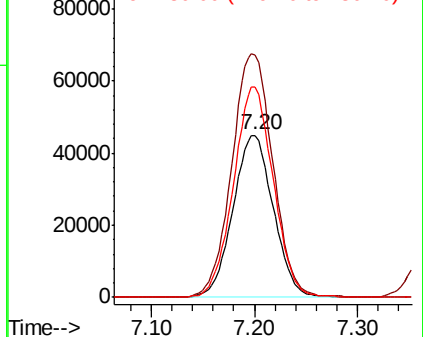
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 52.48 ug/l

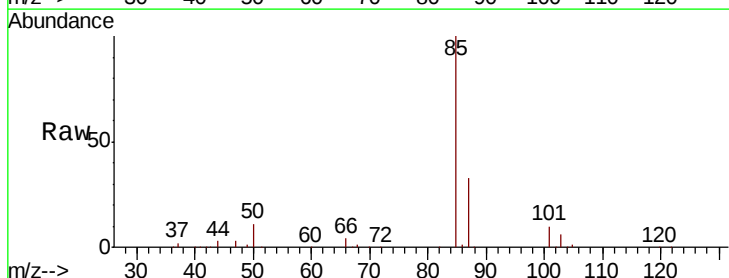
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050909.D

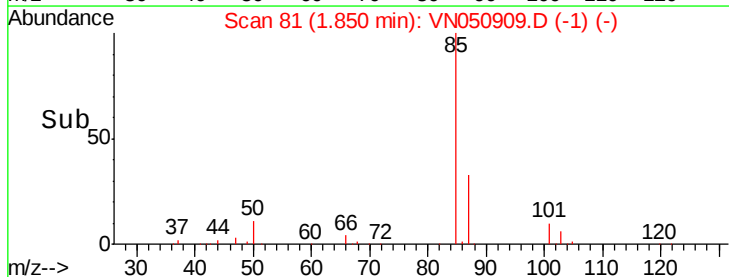
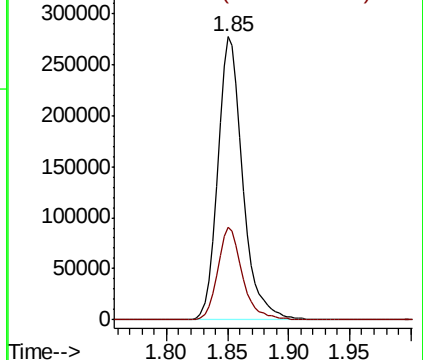
Acq: 28 Aug 2018 12:50

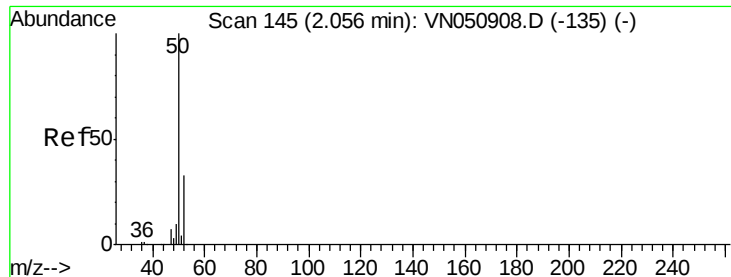
Tgt Ion:	85	Resp:	398986
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 50.18 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 450447

Ion Ratio Lower Upper

50 100

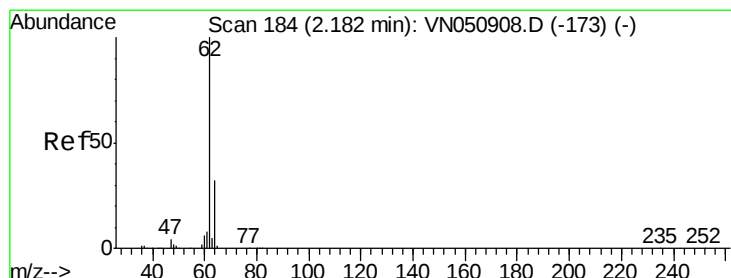
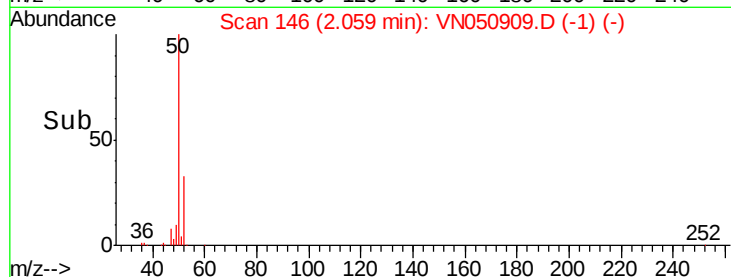
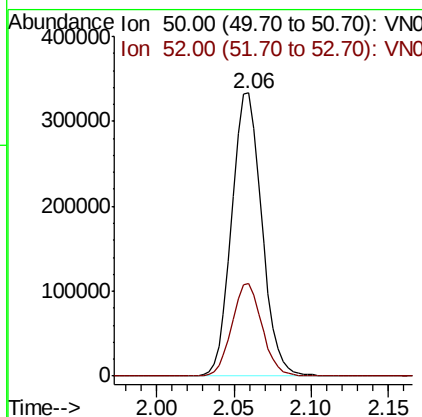
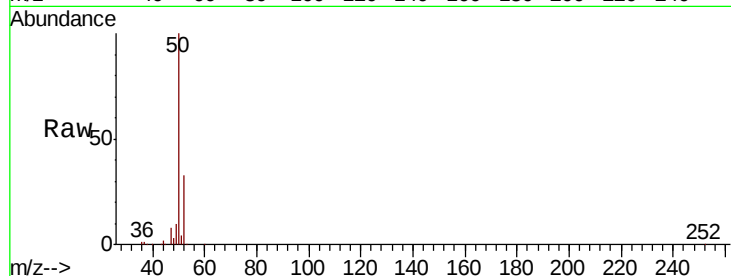
52 32.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.32 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050909.D

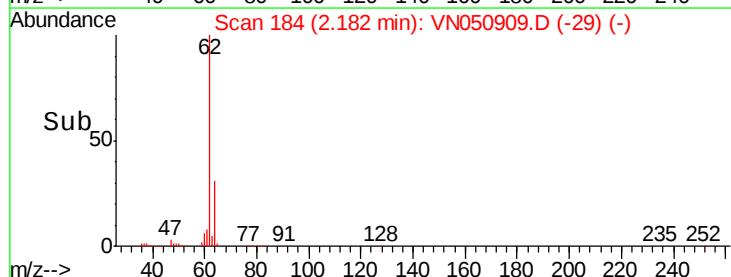
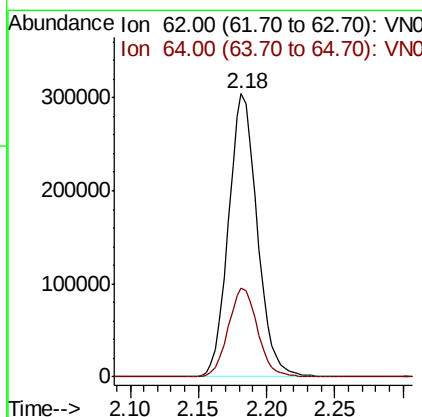
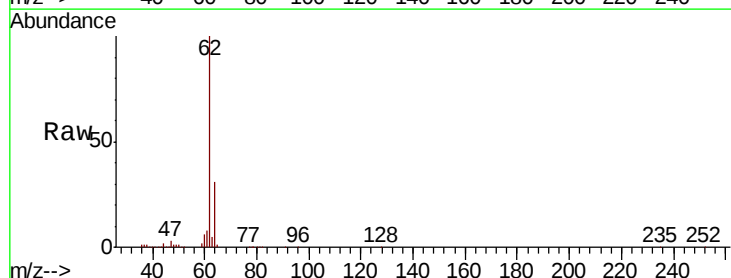
Acq: 28 Aug 2018 12:50

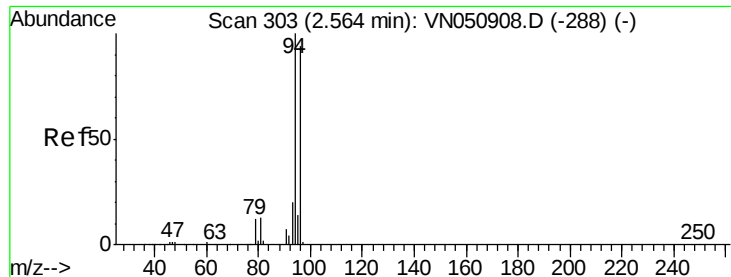
Tgt Ion: 62 Resp: 446369

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 48.82 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 263940

Ion Ratio Lower Upper

94 100

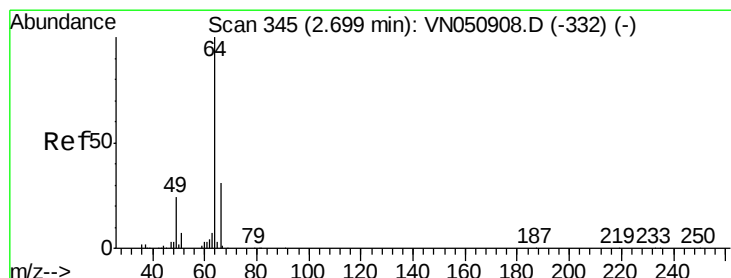
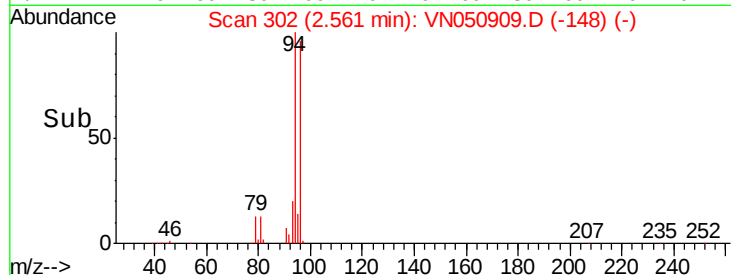
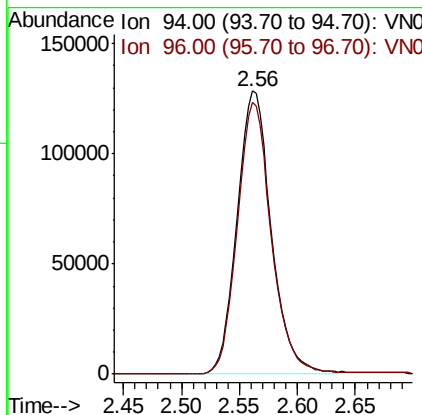
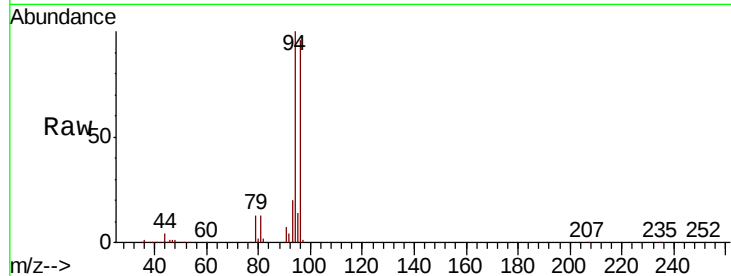
96 95.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 49.42 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050909.D

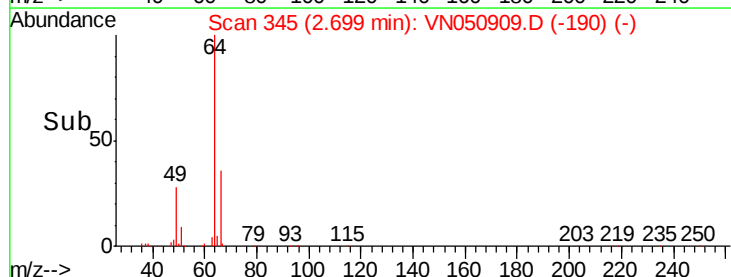
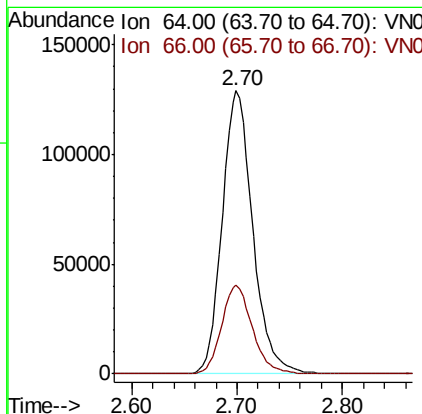
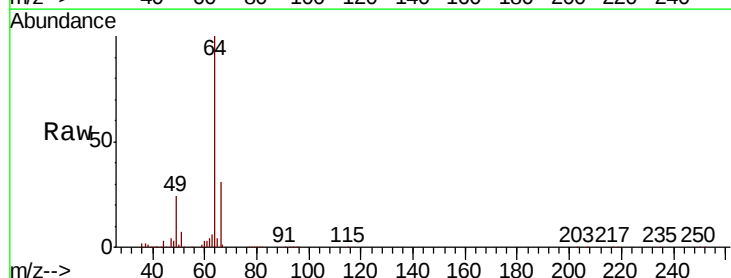
Acq: 28 Aug 2018 12:50

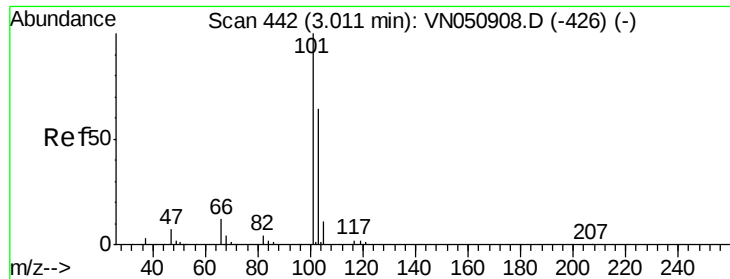
Tgt Ion: 64 Resp: 258543

Ion Ratio Lower Upper

64 100

66 31.2 24.5 36.7





#7

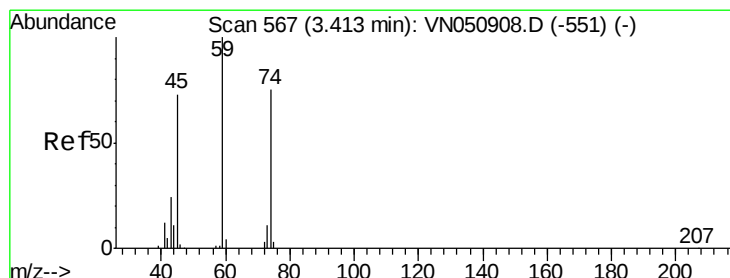
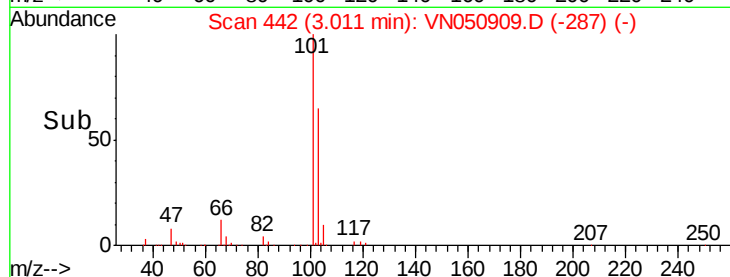
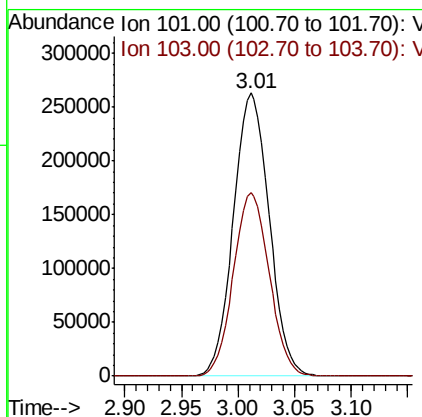
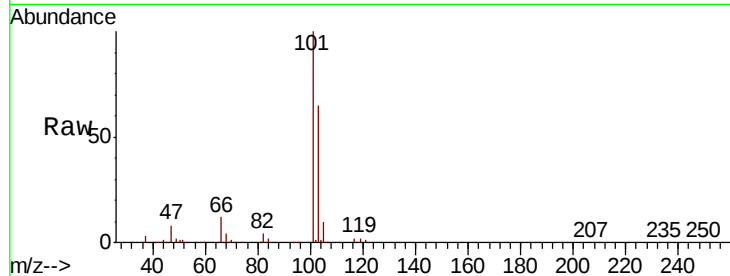
Trichlorofluoromethane
 Concen: 49.41 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		581000		
103	64.7	51.3	76.9		

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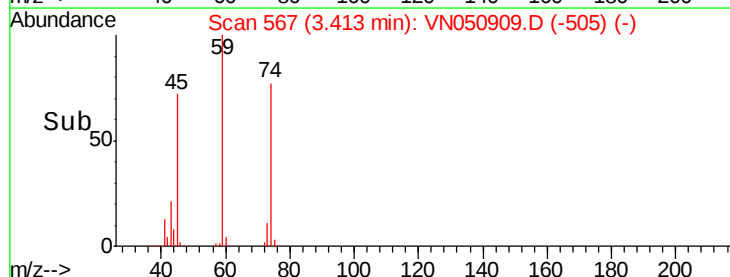
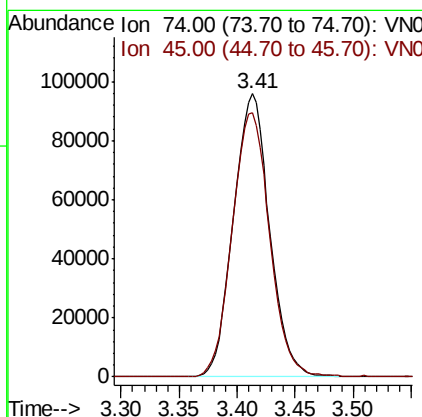
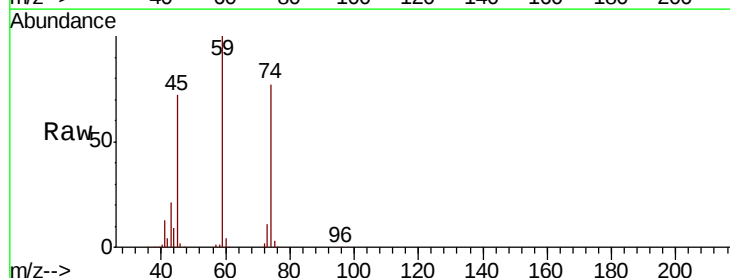
MMDadoda
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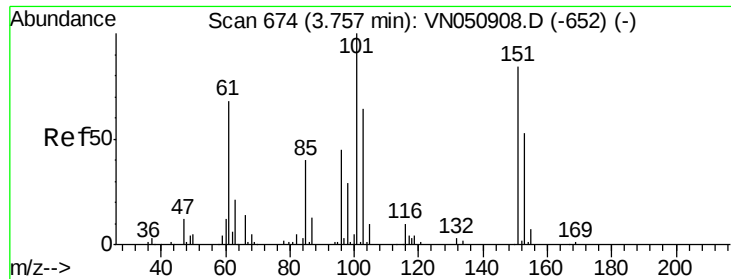


#8

Diethyl Ether
 Concen: 50.08 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		207605		
45	96.7	19.7	177.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.41 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

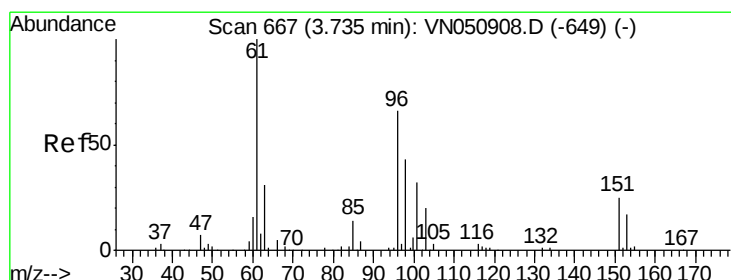
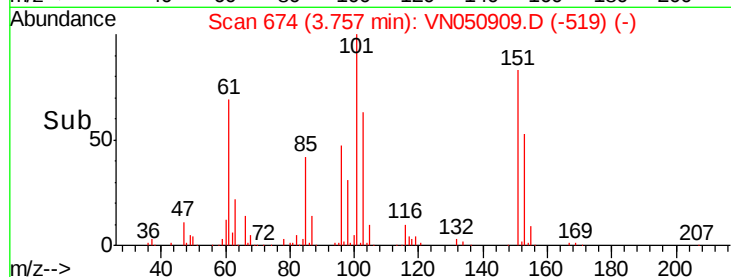
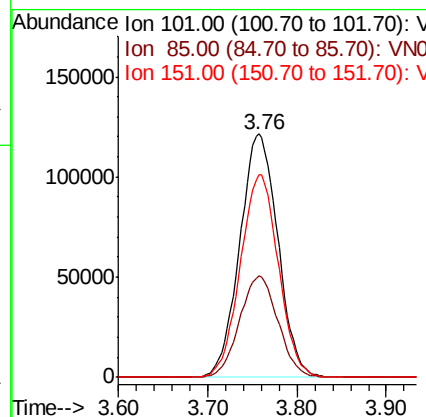
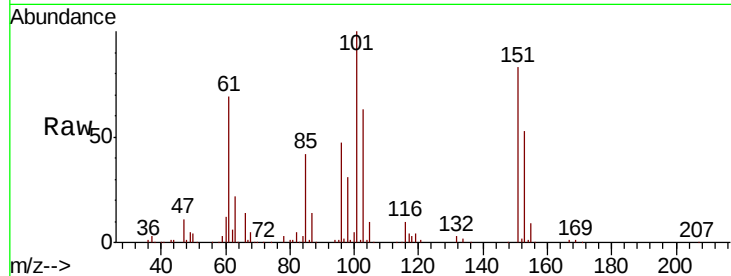
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	359820
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	83.6
151	83.1	0.0	167.0

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#10

1,1-Dichloroethene

Concen: 49.68 ug/l

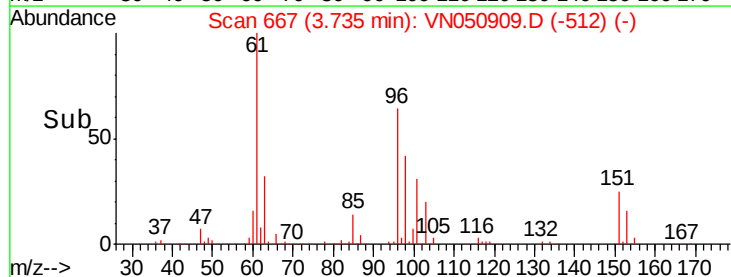
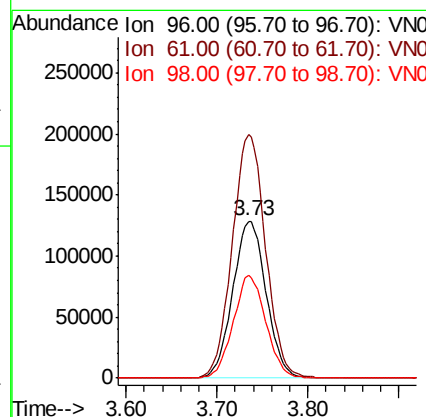
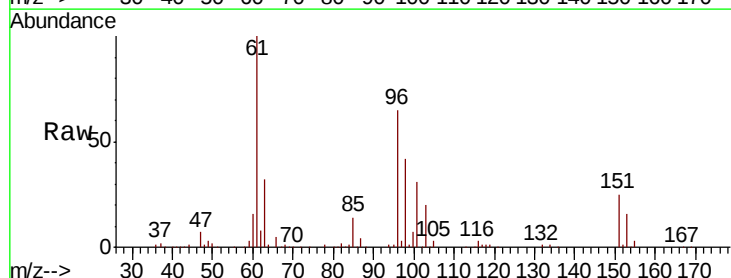
RT: 3.73 min Scan# 667

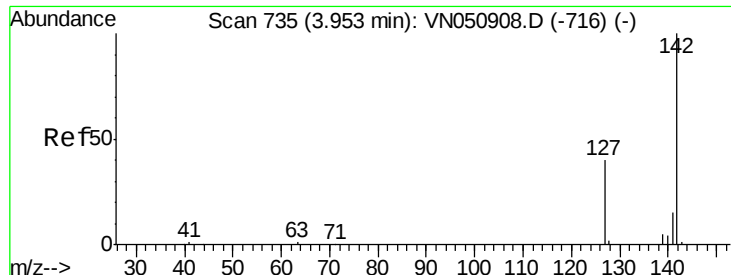
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	96	Resp:	328602
Ion Ratio	Lower	Upper	
96	100		
61	154.9	121.8	182.8
98	65.2	52.3	78.5





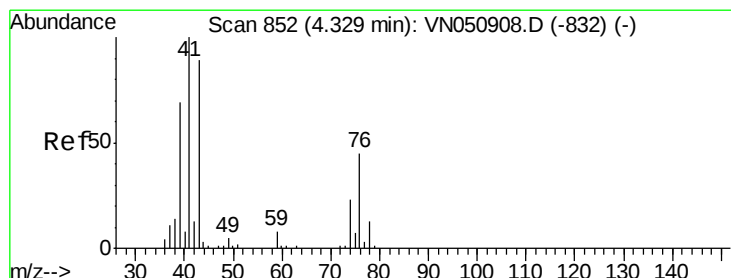
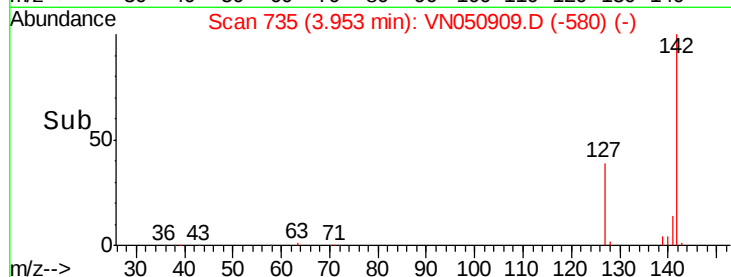
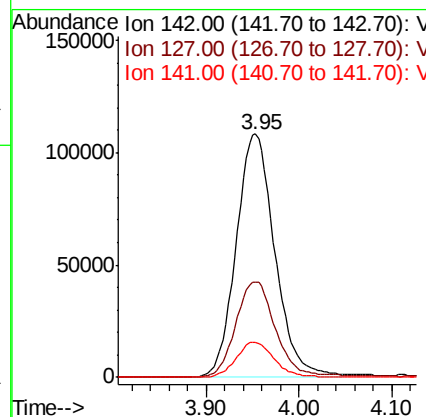
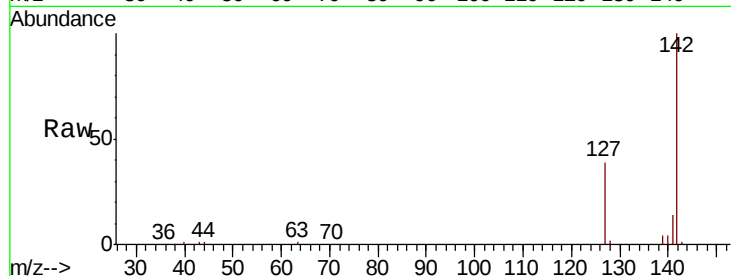
#11
Methyl Iodide
Concen: 50.85 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.2	19.7	59.1
141	14.4	7.3	22.0

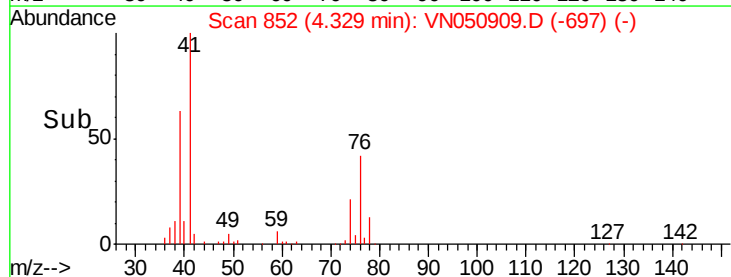
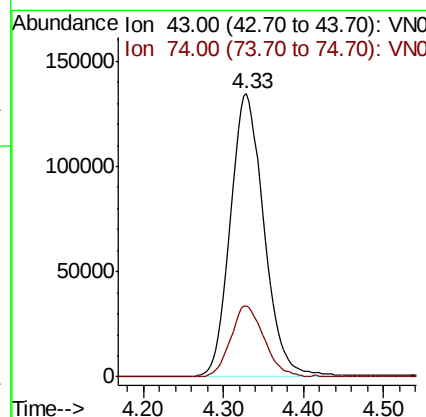
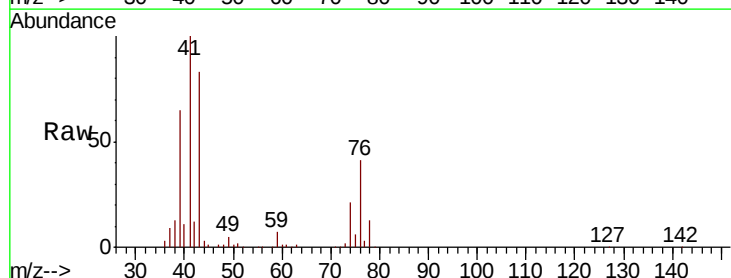
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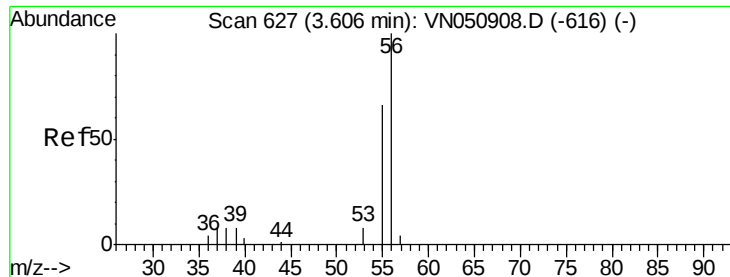
MMDadoda
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#12
Methyl Acetate
Concen: 49.96 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.6	31.0





#13

Acrolein

Concen: 224.16 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 37966

Ion Ratio Lower Upper

56 100

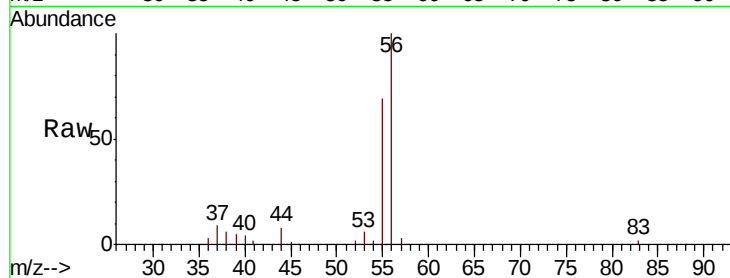
55 68.3 59.1 88.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN050908.D (-616) (-)

Ion 55.00 (54.70 to 55.70): VN050908.D (-616) (-)

3.61

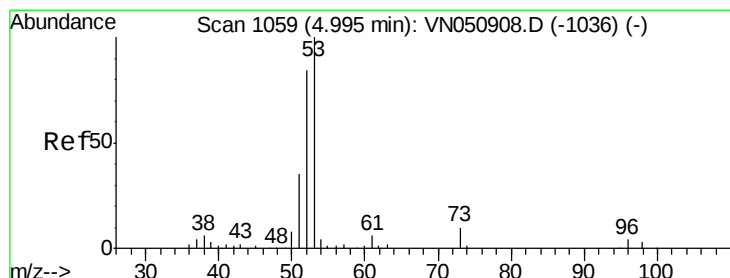
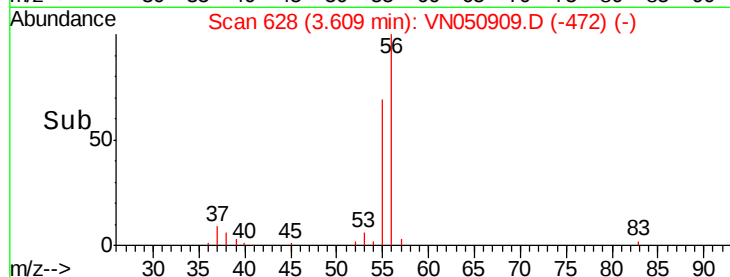
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 249.88 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

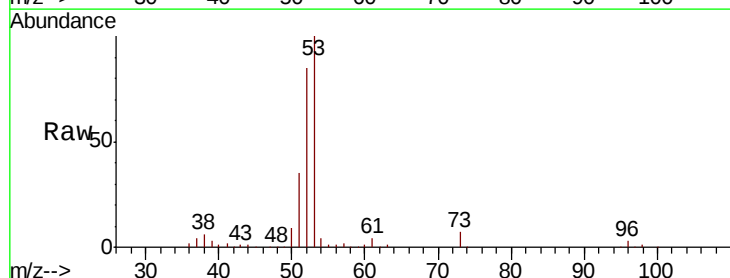
Tgt Ion: 53 Resp: 646229

Ion Ratio Lower Upper

53 100

52 82.1 42.2 126.6

51 35.7 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN050908.D (-1036) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VN050908.D (-1036) (-)

4.99

250000

200000

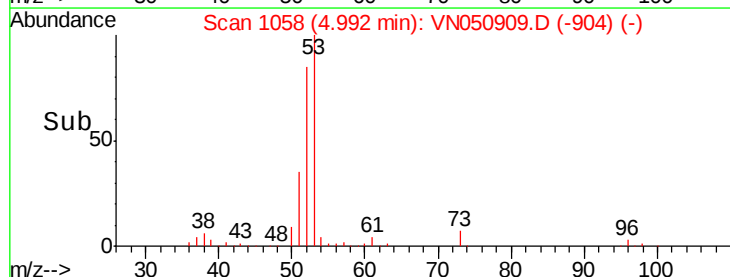
150000

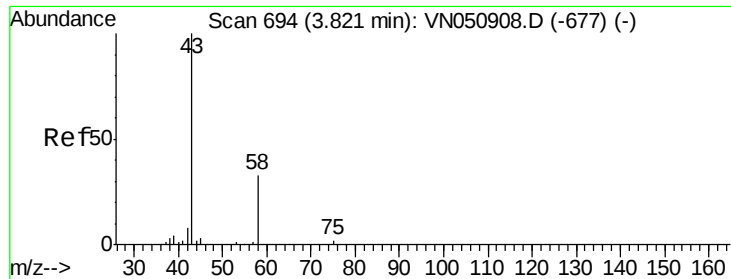
100000

50000

0

Time-->





#15

Acetone

Concen: 226.65 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 149990

Ion Ratio Lower Upper

58 100

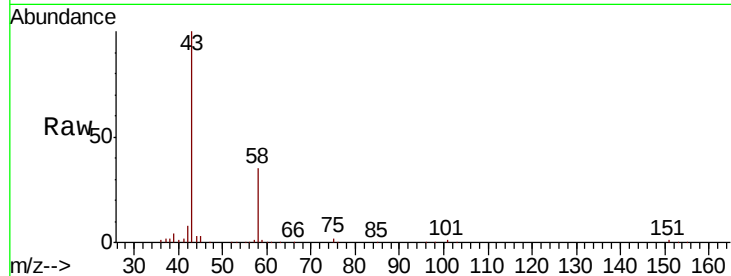
43 283.5 239.4 359.0

Manual Integrations

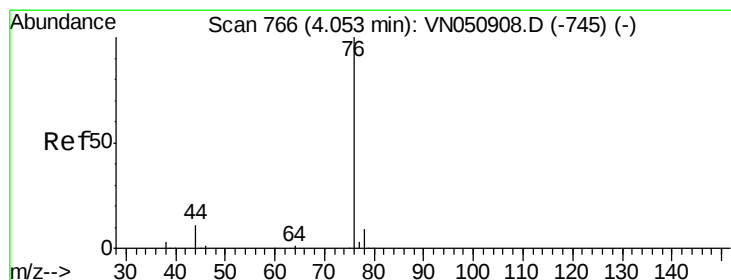
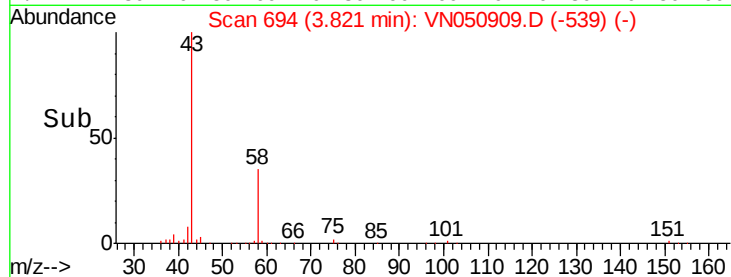
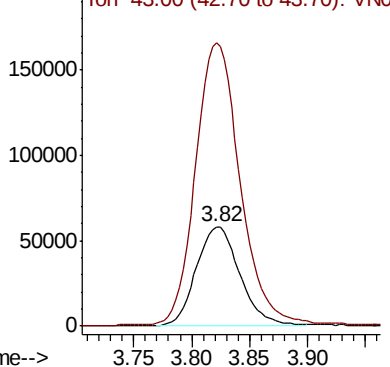
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Abundance Ion 58.00 (57.70 to 58.70): VN050909.D (-539) (-)



#16

Carbon Disulfide

Concen: 49.38 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050909.D

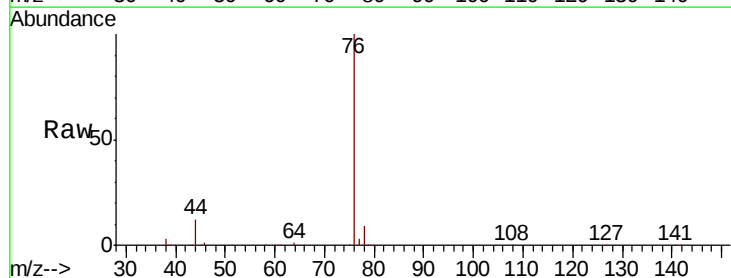
Acq: 28 Aug 2018 12:50

Tgt Ion: 76 Resp: 982153

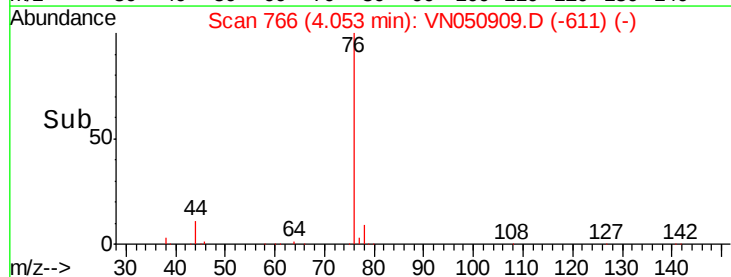
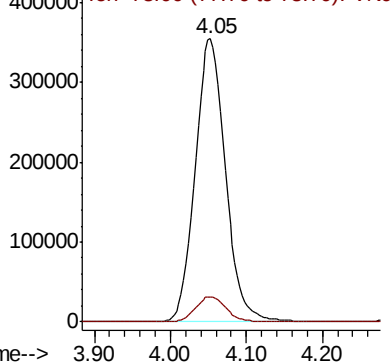
Ion Ratio Lower Upper

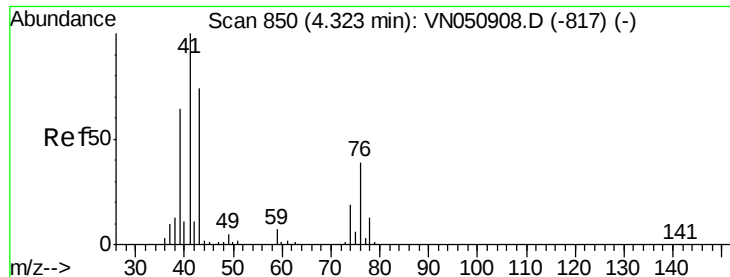
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050909.D (-611) (-)





#17

Allvl chloride

Concen: 49.78 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

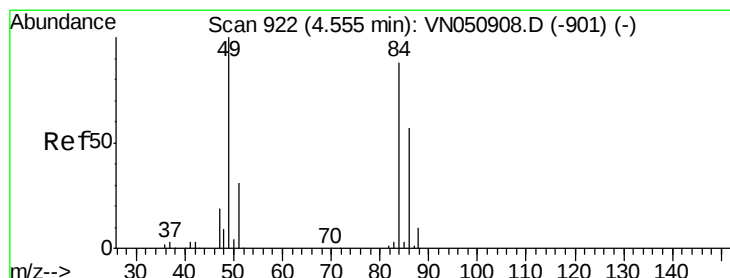
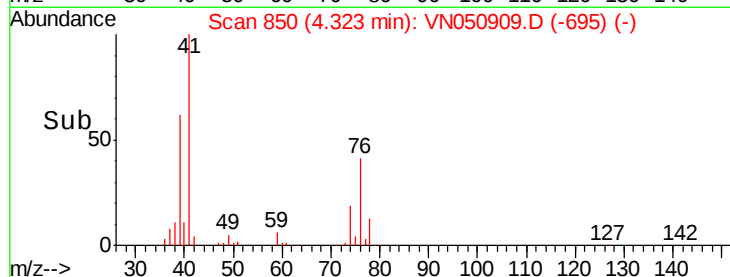
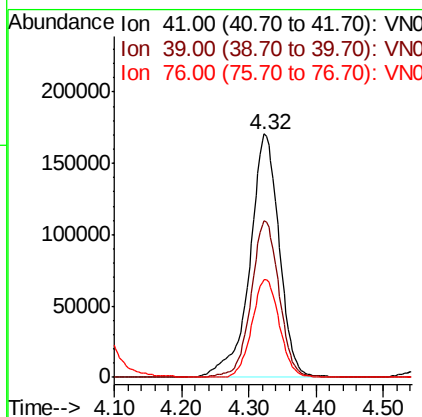
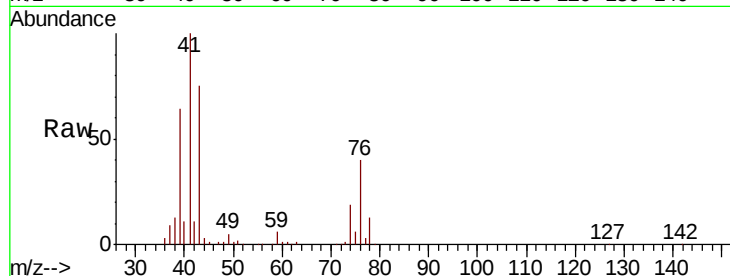
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	518109
Ion	Ratio	Lower	Upper
41	100		
39	64.2	32.2	96.6
76	39.8	19.6	58.7

Manual Integrations
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#18

Methylene Chloride

Concen: 49.10 ug/l

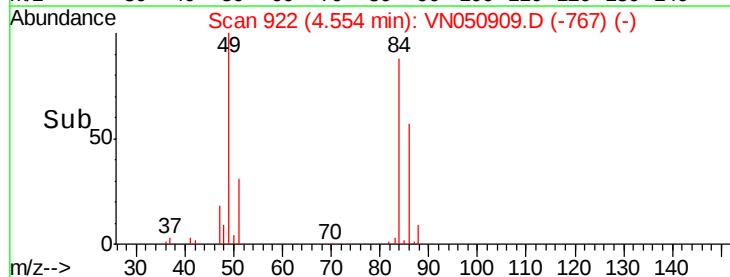
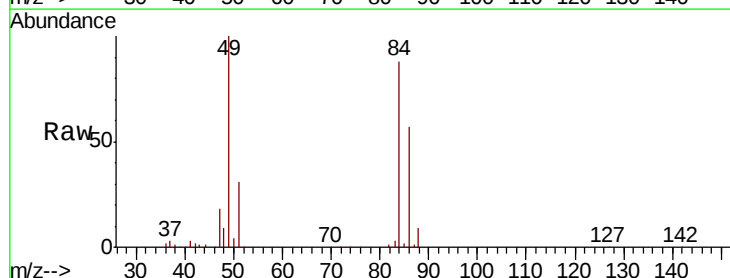
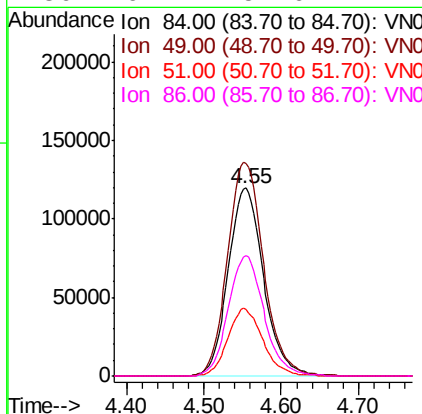
RT: 4.55 min Scan# 922

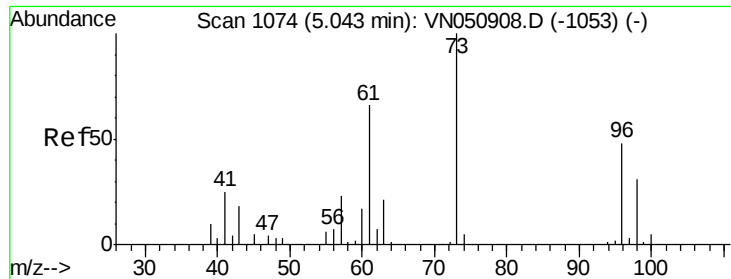
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	84	Resp:	381222
Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.6	135.8
51	35.3	28.4	42.6
86	64.4	51.6	77.4





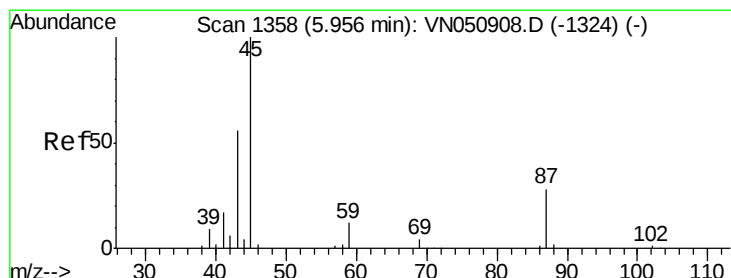
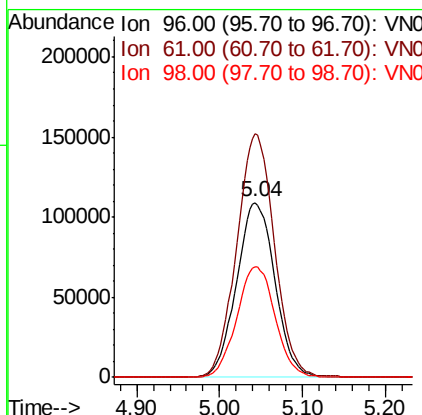
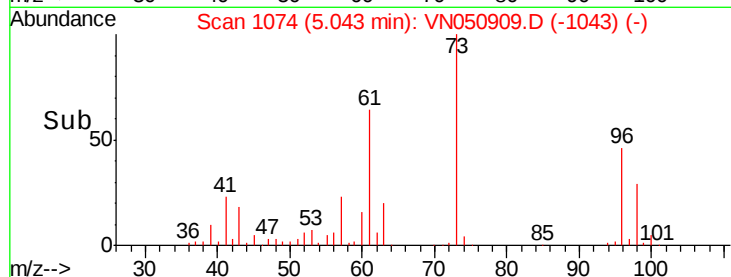
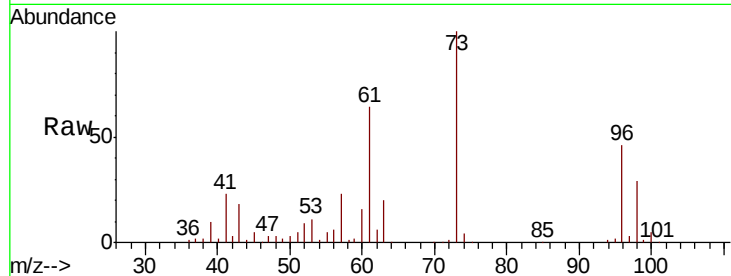
#19
trans-1,2-Dichloroethene
Concen: 49.82 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.5	164.3
98	63.7	51.9	77.9

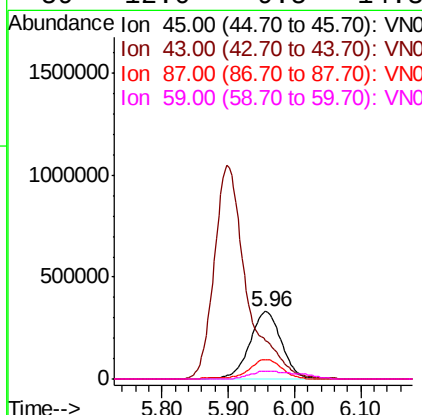
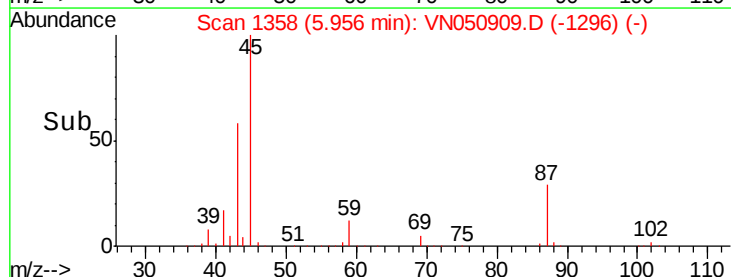
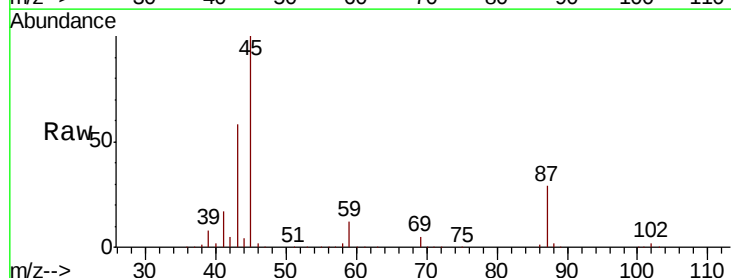
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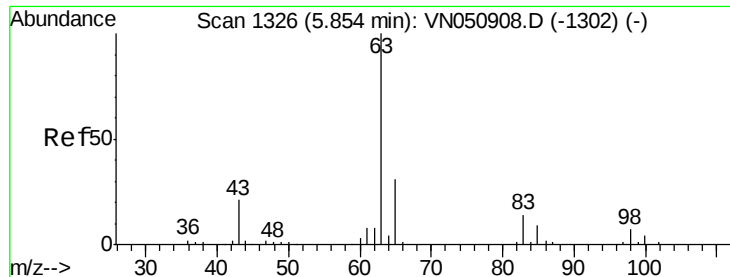
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#20
Diisopropyl ether
Concen: 51.04 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	47.0	70.6
87	28.7	22.8	34.2
59	12.0	9.5	14.3





#21

1,1-Dichloroethane

Concen: 49.14 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

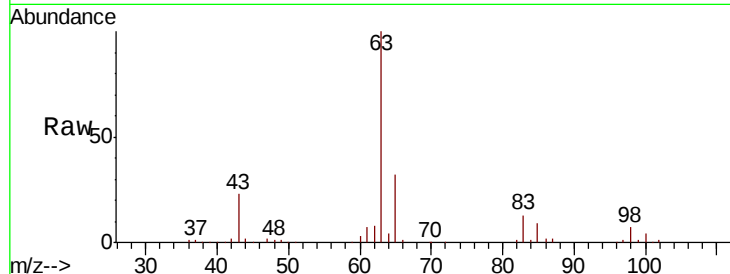
ClientSampleId :

VSTDIC050

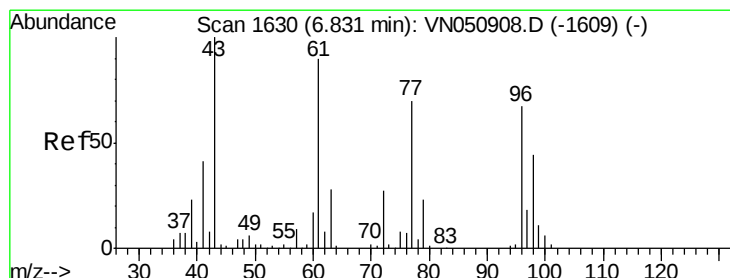
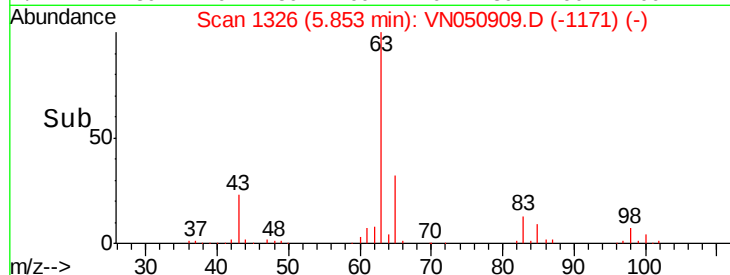
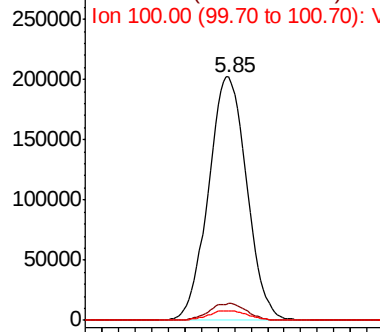
Tot Ion:	63	Resp:	650924
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.3	9.9
100	4.0	2.0	6.0

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Abundance Ion 63.00 (62.70 to 63.70): VN050909.D (-1171) (-)



#22

cis-1,2-Dichloroethene

Concen: 49.25 ug/l

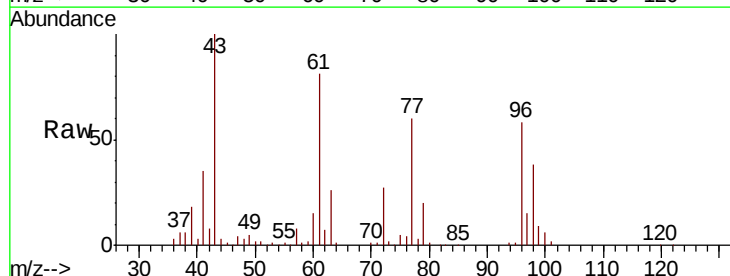
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

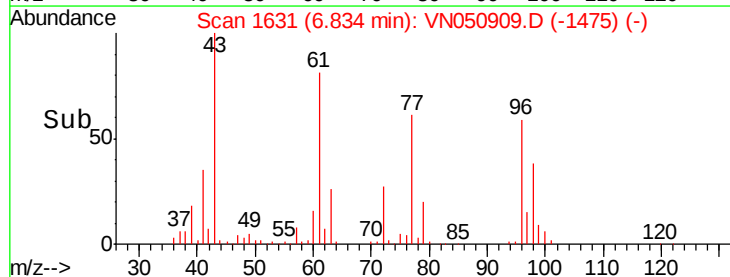
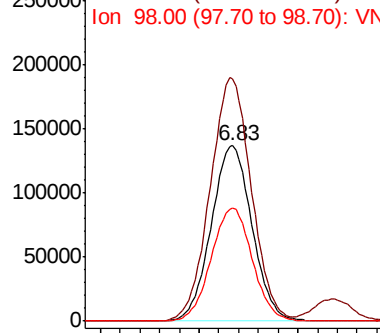
Lab File: VN050909.D

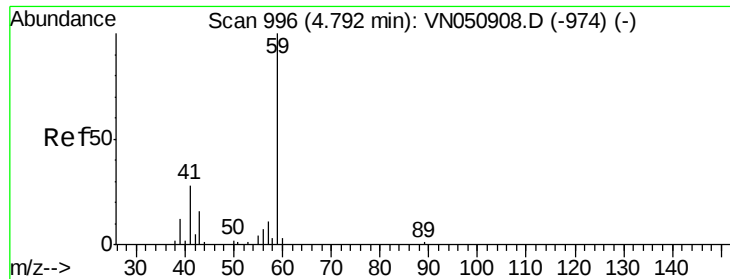
Acq: 28 Aug 2018 12:50

Tgt Ion:	96	Resp:	392095
Ion Ratio	Lower	Upper	
96	100		
61	139.9	110.0	165.0
98	65.0	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN050909.D (-1475) (-)





#23

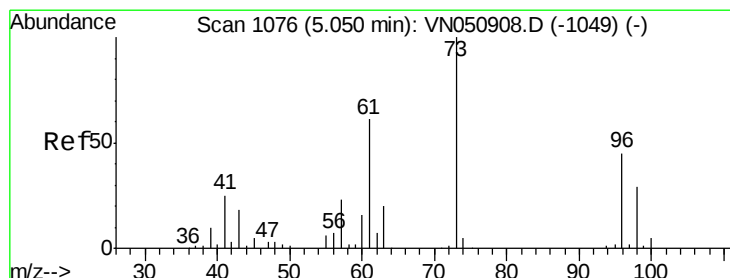
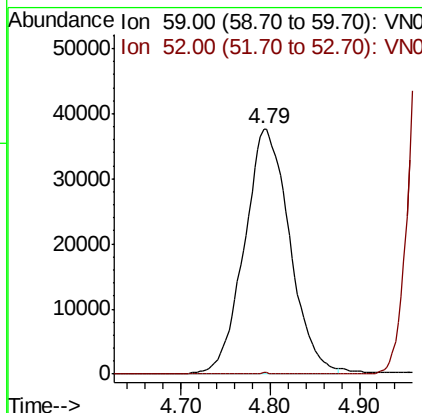
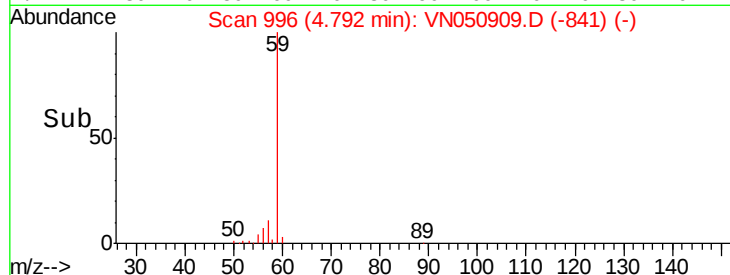
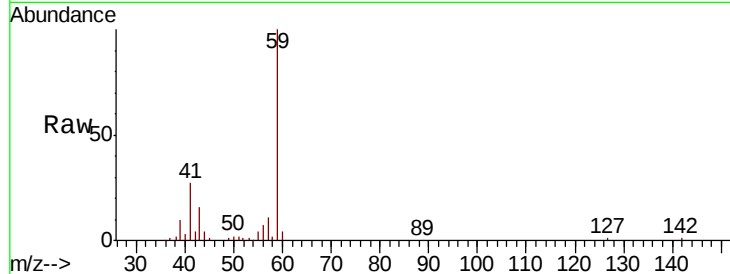
tert-Butyl Alcohol
 Concen: 238.92 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	59	52	Ratio	Lower	Upper
131403	100	0.1		0.1	0.1

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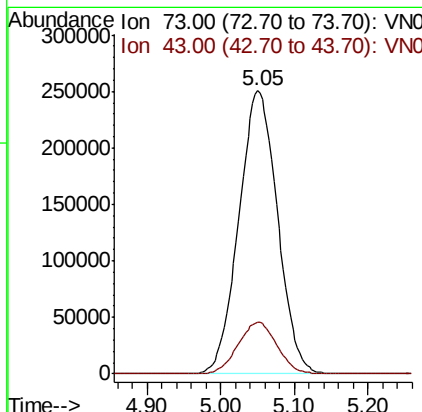
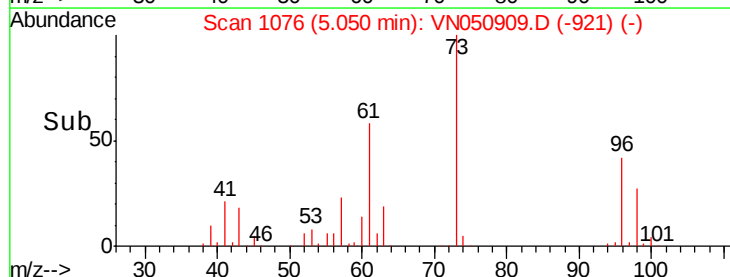
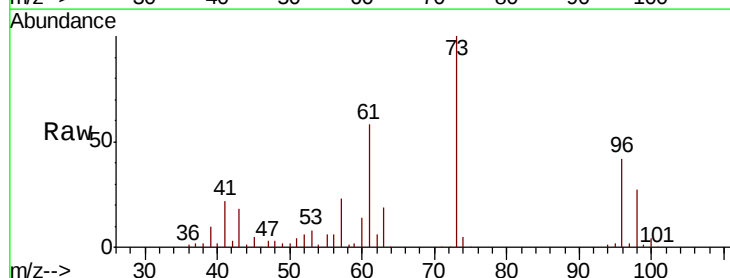
MMDadoda
 8/29/2018 11:09:55 AM

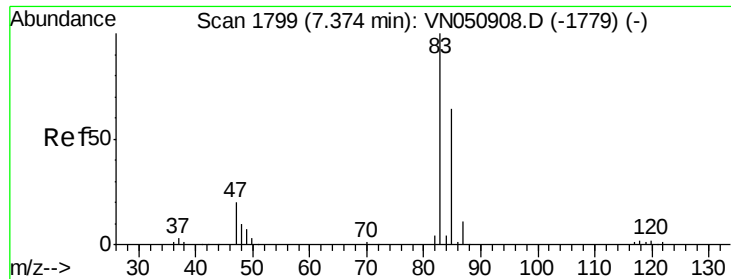


#24

Methyl tert-Butyl Ether
 Concen: 50.59 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	73	43	Ratio	Lower	Upper
915344	100	18.2		14.4	21.6





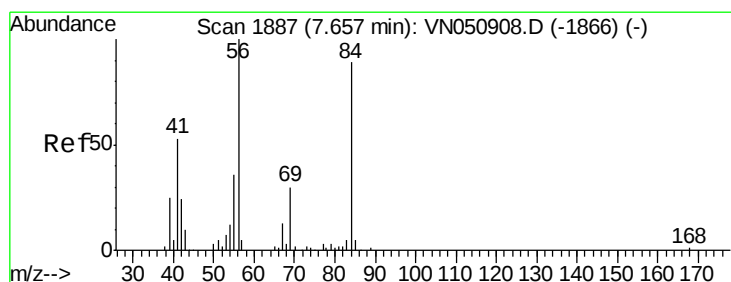
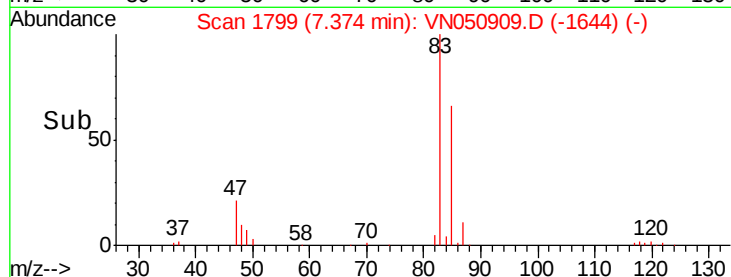
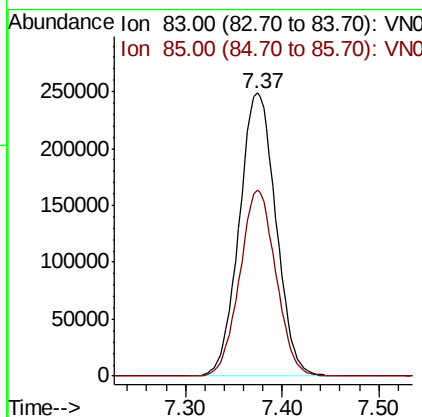
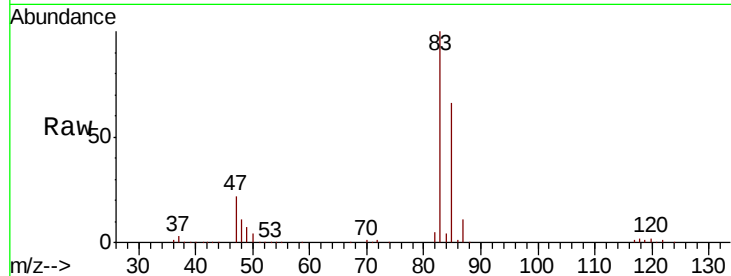
#25
Chloroform
Concen: 49.54 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	655022
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.4	77.0

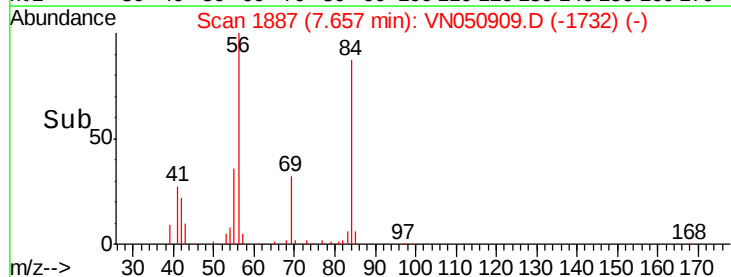
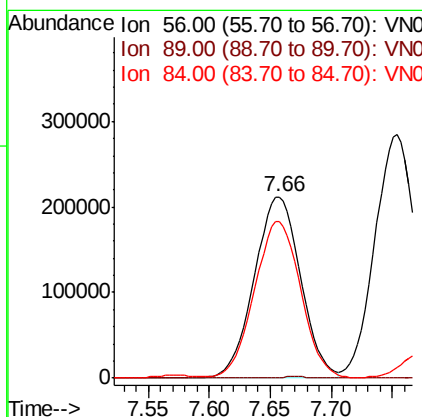
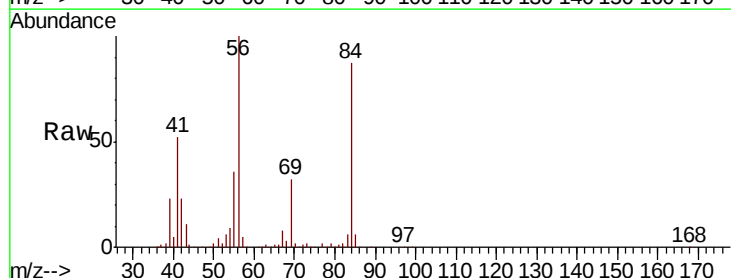
Manual Integrations
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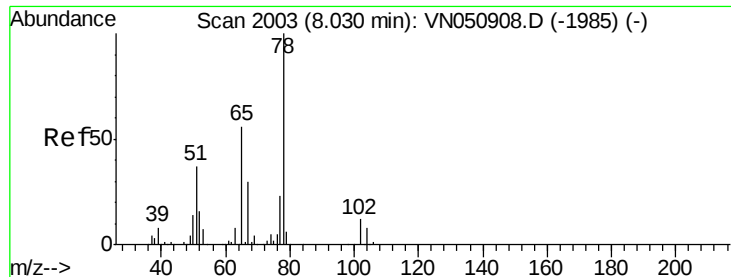
MMDadoda
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#26
Cyclohexane
Concen: 50.94 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	56	Resp	559094
Ion Ratio	100	Lower	Upper
56	100		
89	0.6	0.4	0.6
84	86.7	70.4	105.6





#27

1,2-Dichloroethane-d4

Concen: 29.34 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 229207

Ion Ratio Lower Upper

65 100

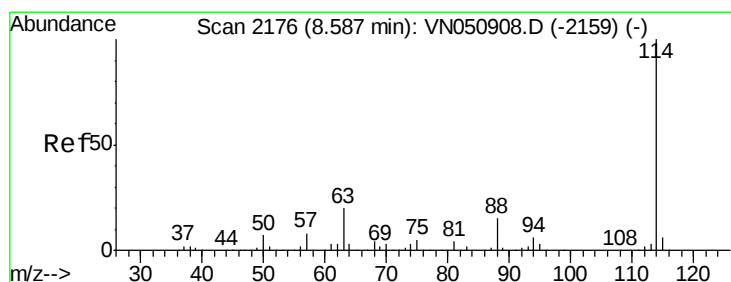
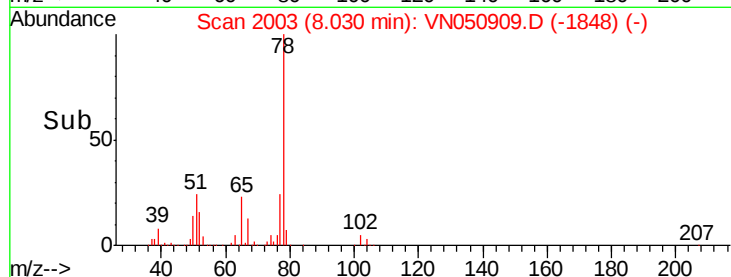
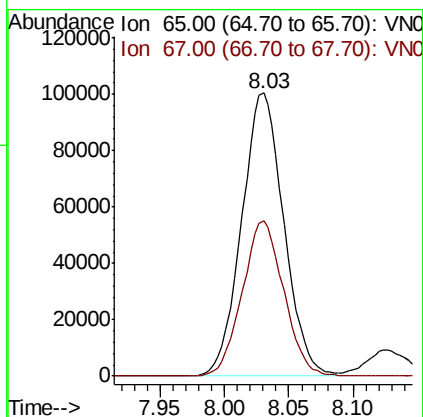
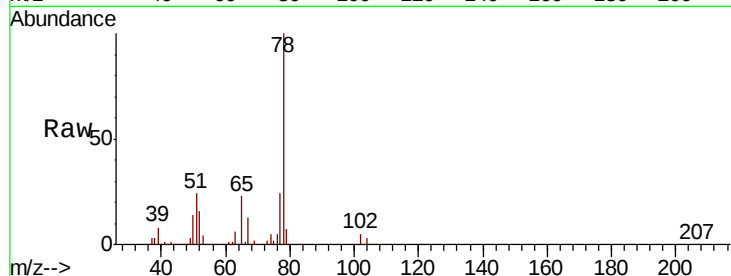
67 53.9 43.7 65.5

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

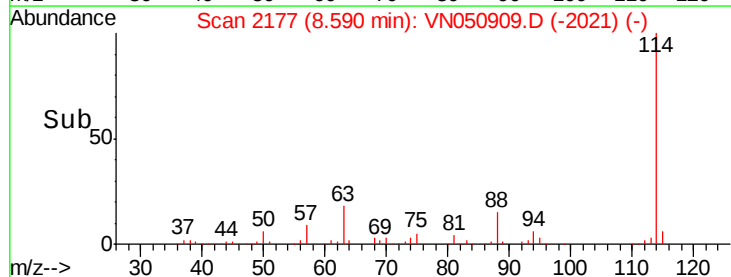
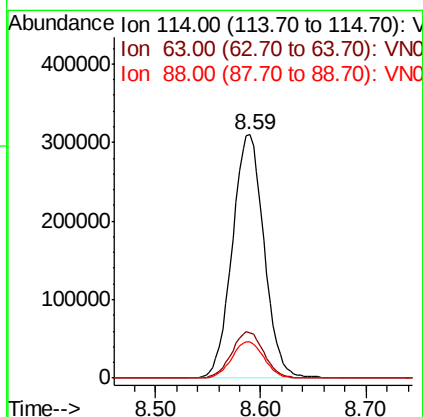
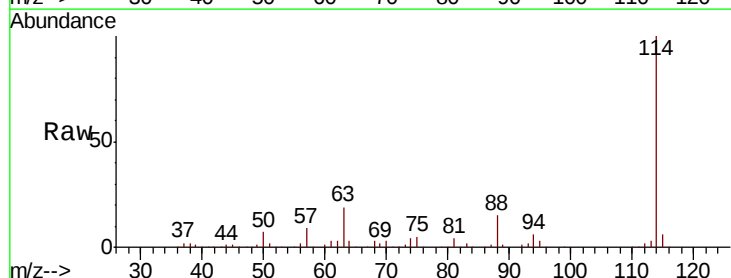
Tgt Ion: 114 Resp: 646943

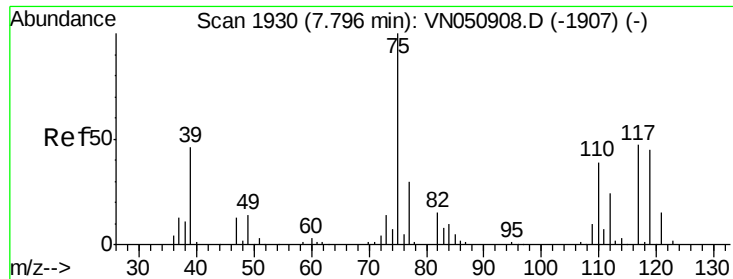
Ion Ratio Lower Upper

114 100

63 19.4 15.6 23.4

88 15.2 12.2 18.4





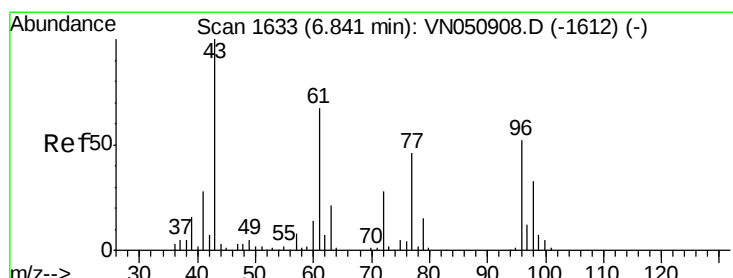
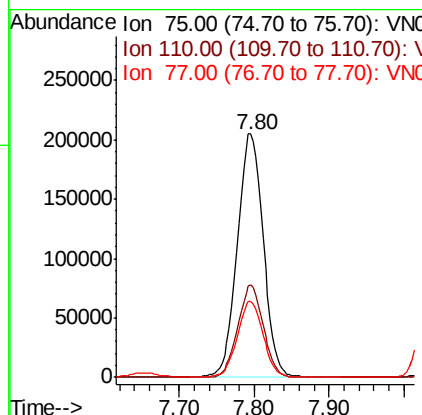
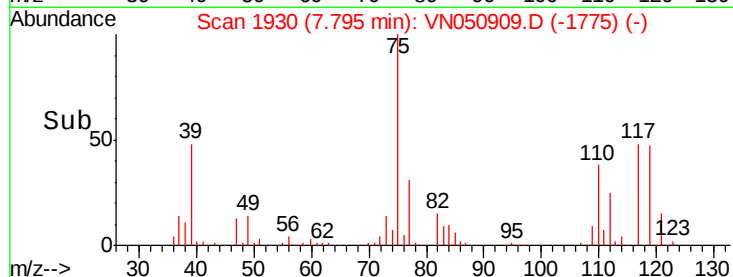
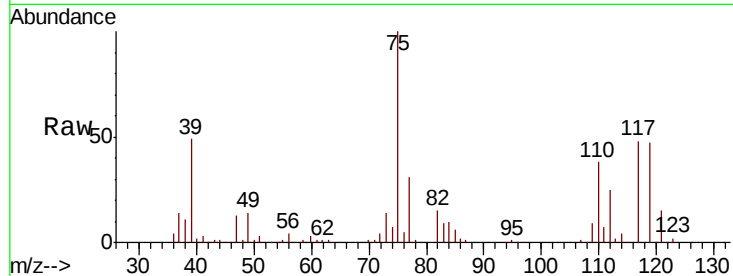
#29
 1,1-Dichloropropene
 Concen: 51.28 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	75.0
77	31.1	0.0	60.6

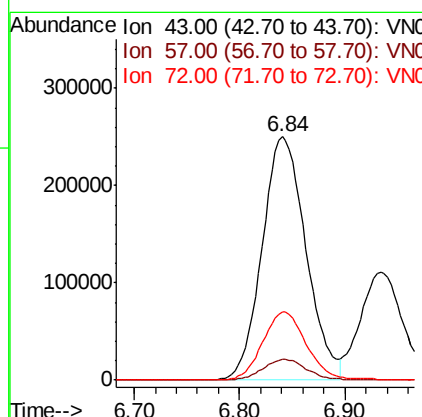
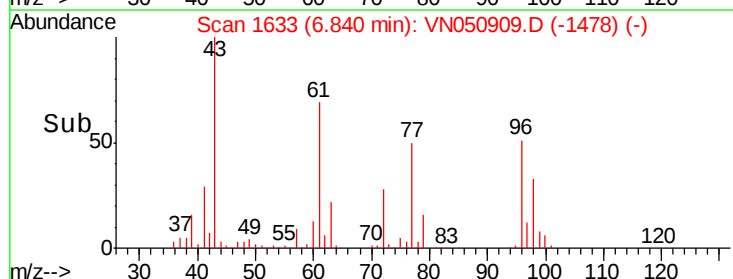
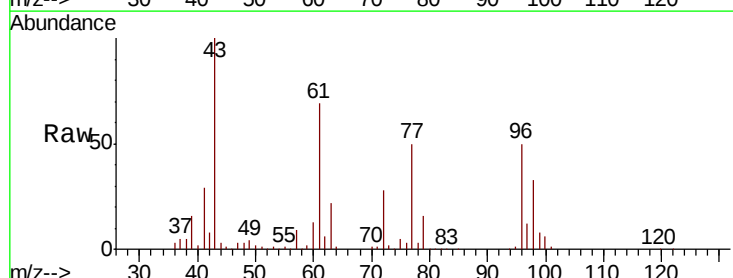
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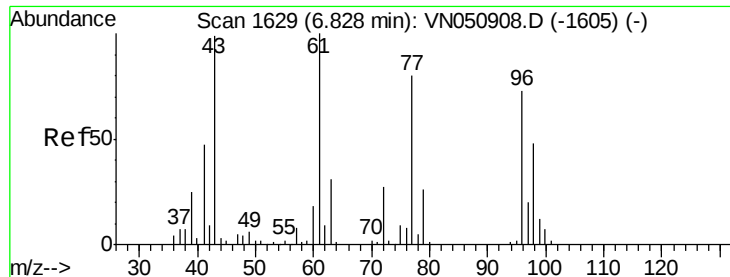
MMDadoda
 8/29/2018 11:09:55 AM



#30
 2-Butanone
 Concen: 242.53 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.9	10.3
72	27.9	22.8	34.2





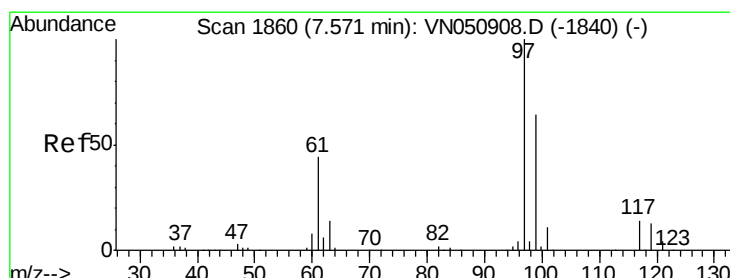
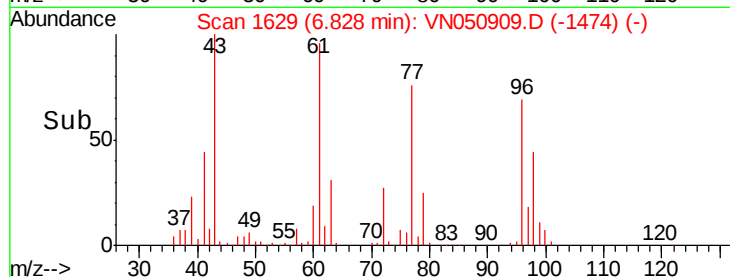
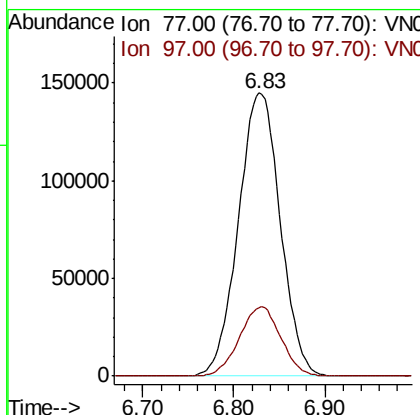
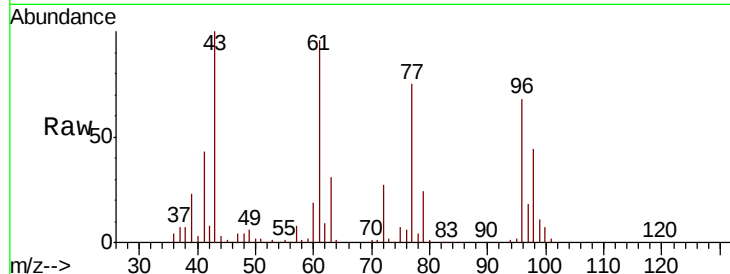
#31
 2,2-Dichloropropane
 Concen: 49.15 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 463224
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.2 30.2

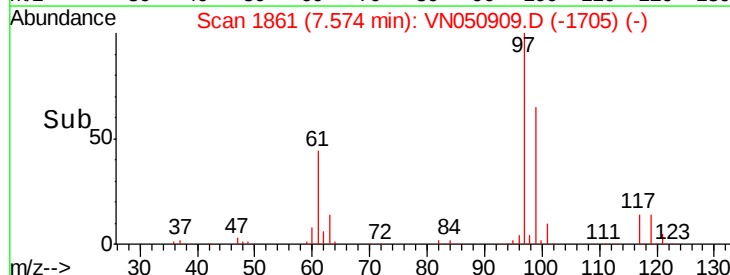
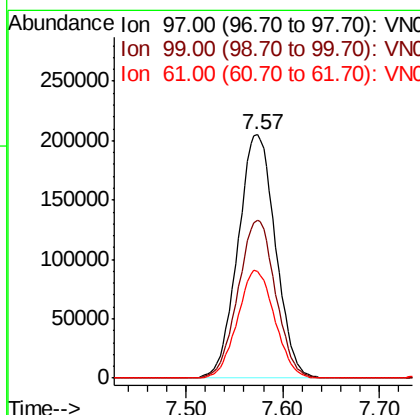
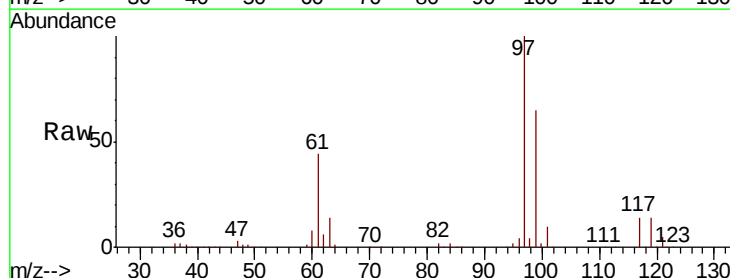
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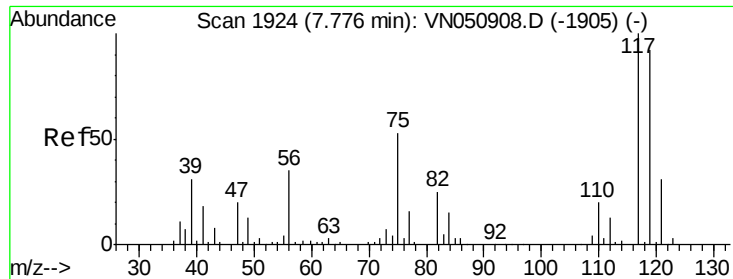
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#32
 1,1,1-Trichloroethane
 Concen: 50.37 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 97 Resp: 553216
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 43.9 35.0 52.6





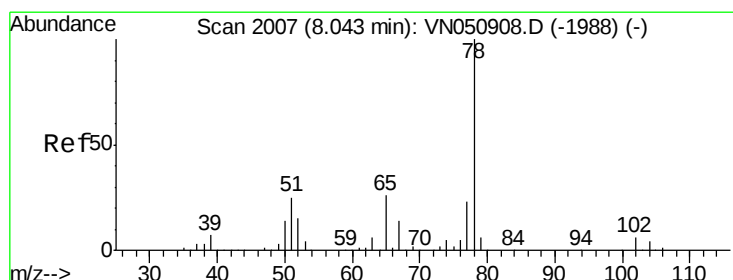
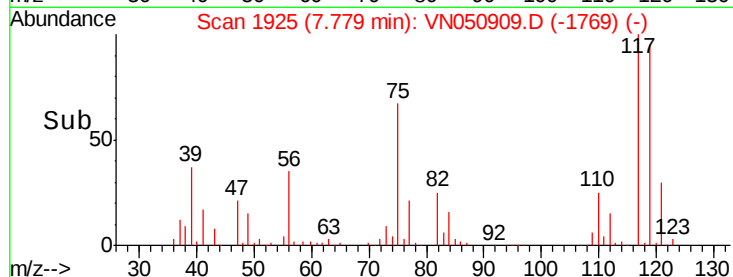
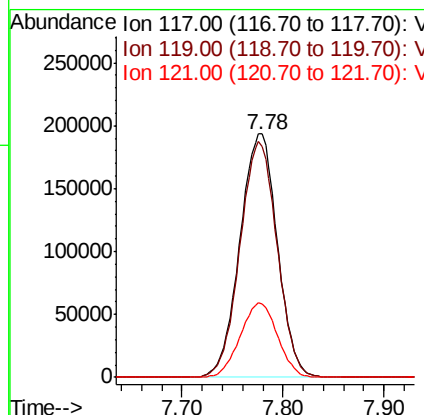
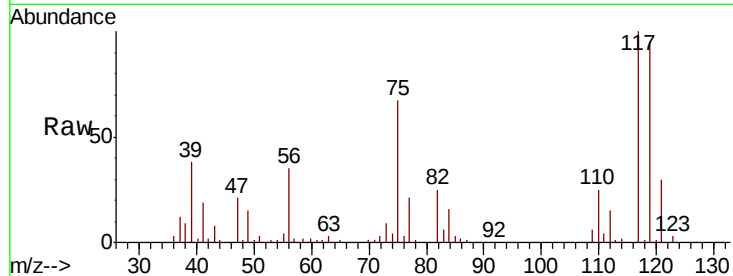
#33
Carbon Tetrachloride
Concen: 50.26 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	73.5	110.3
121	30.1	24.6	37.0

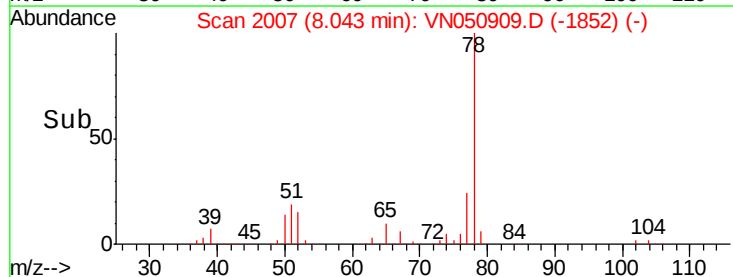
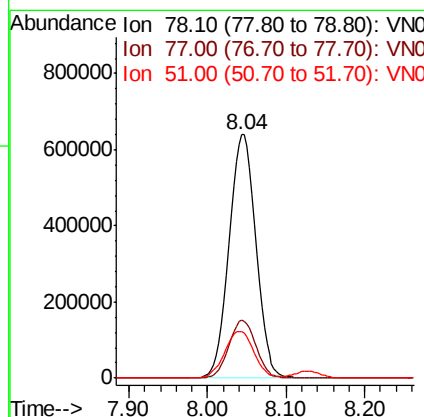
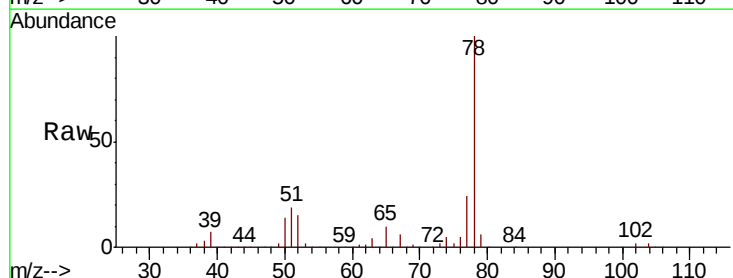
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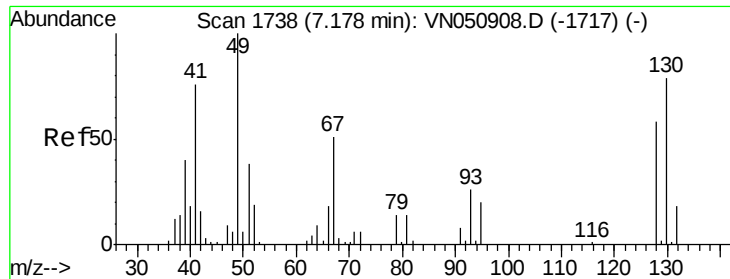
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#34
Benzene
Concen: 50.38 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0
51	19.1	20.0	30.0#





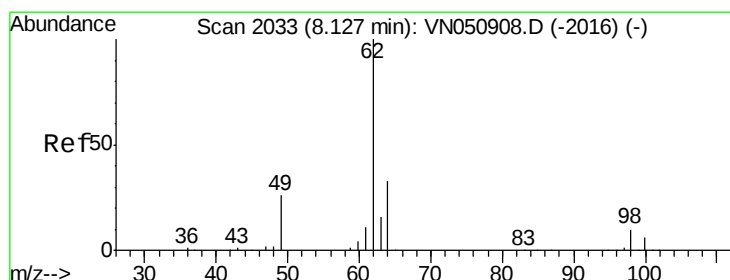
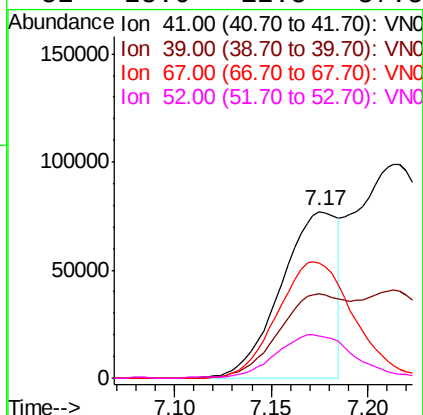
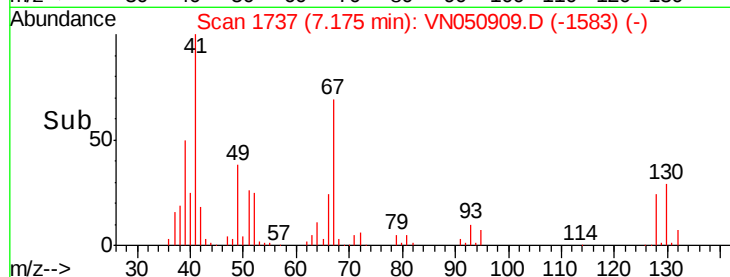
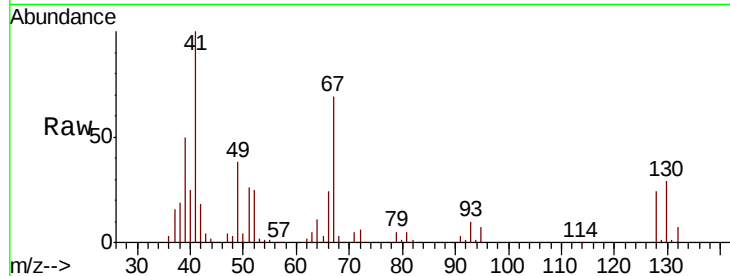
#35
Methacrylonitrile
Concen: 47.93 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.3	26.2	78.5
67	69.0	33.9	101.6
52	25.0	12.5	37.5

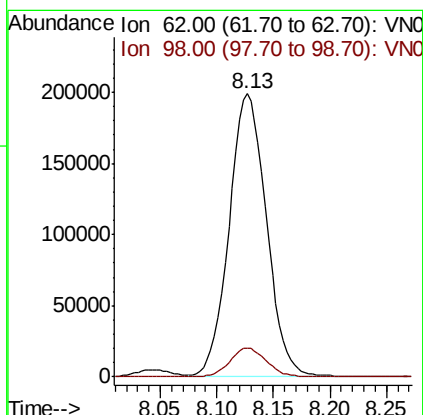
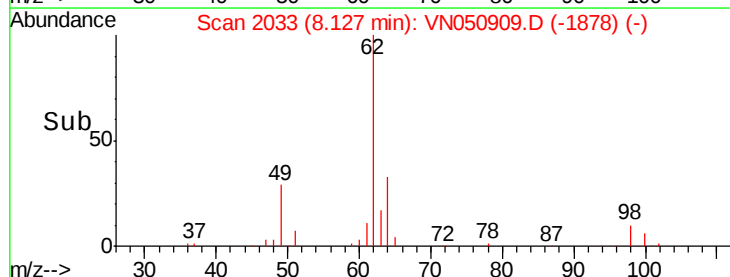
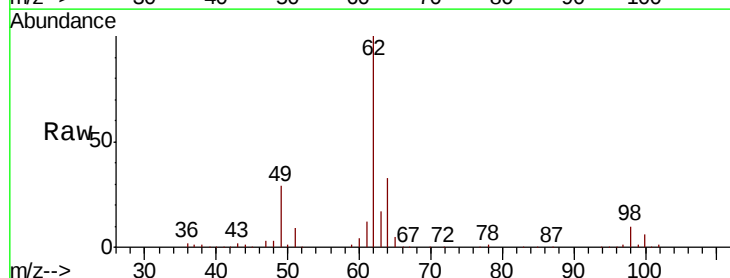
Manual Integrations
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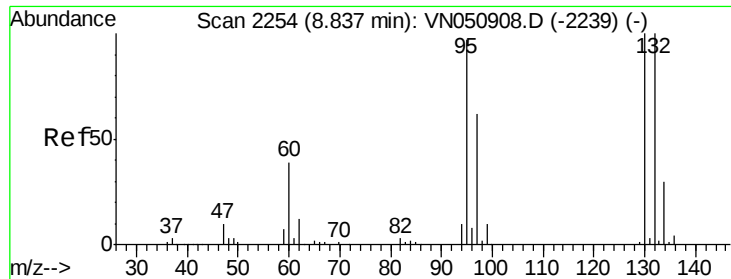
MMDadoda
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#36
1,2-Dichloroethane
Concen: 50.11 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0





#37

Trichloroethene

Concen: 49.87 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 390546

Ion Ratio Lower Upper

130 100

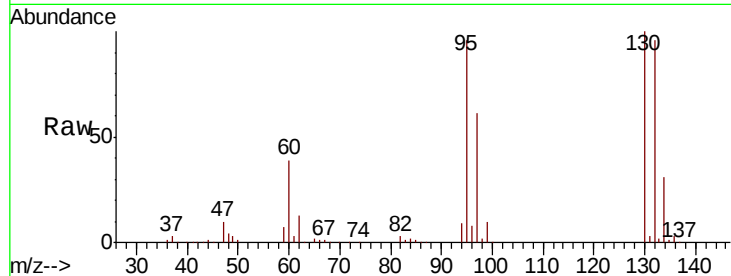
95 95.8 77.4 116.0

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

200000

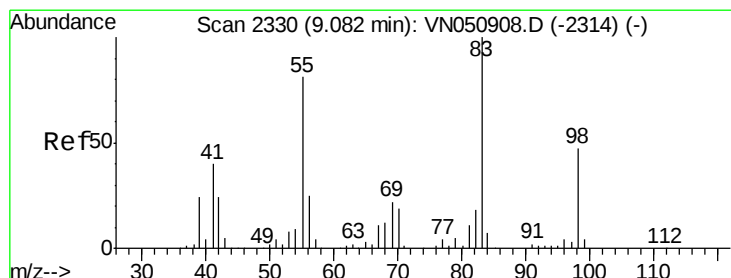
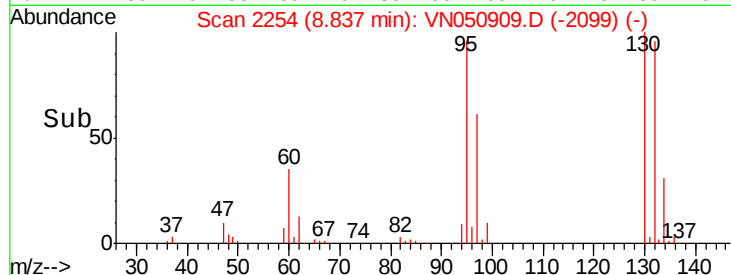
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 50.95 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

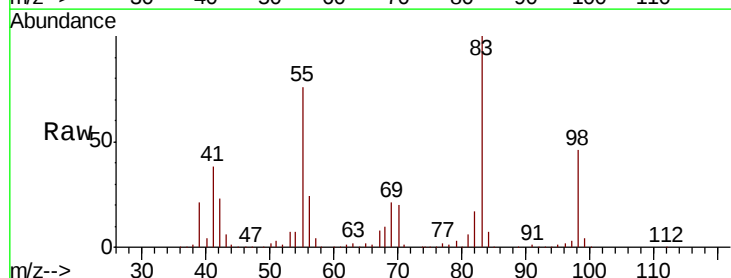
Tgt Ion: 83 Resp: 530009

Ion Ratio Lower Upper

83 100

55 75.6 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

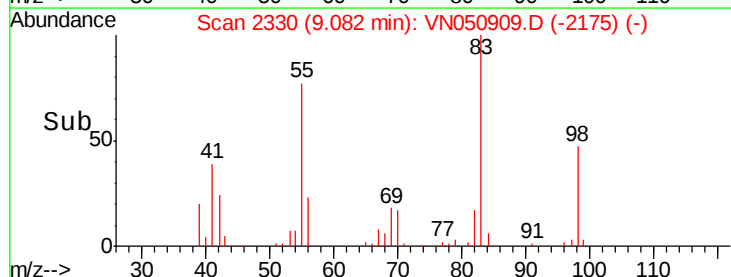
300000

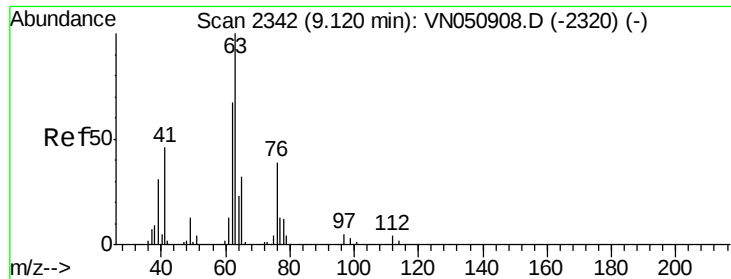
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 50.13 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 392313

Ion Ratio Lower Upper

63 100

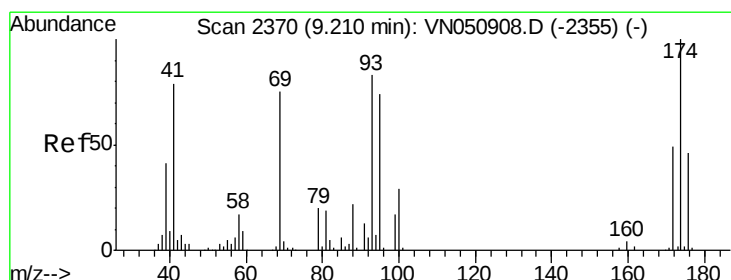
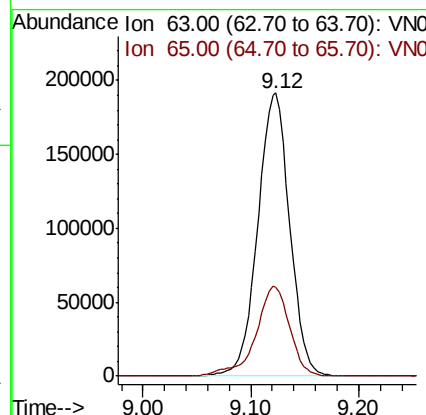
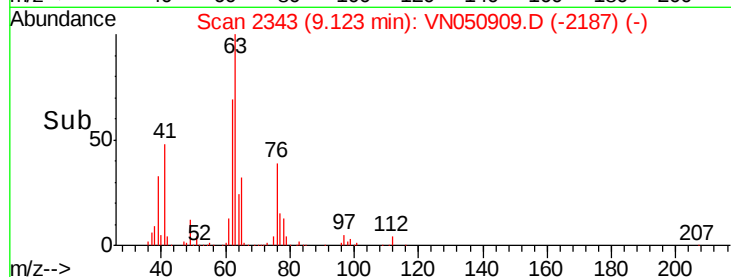
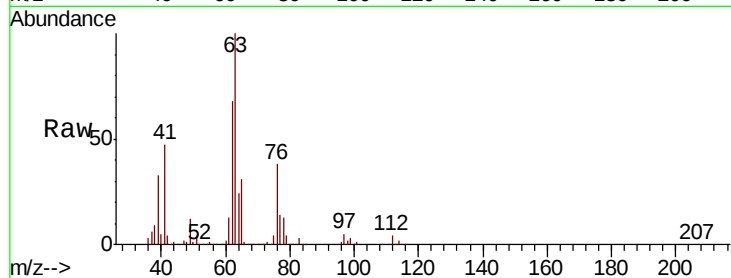
65 31.4 25.6 38.4

Manual Integrations

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#40

Dibromomethane

Concen: 50.39 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

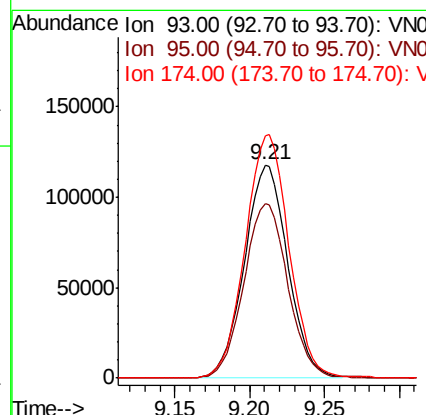
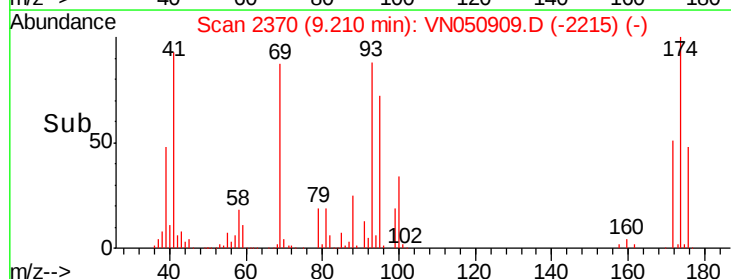
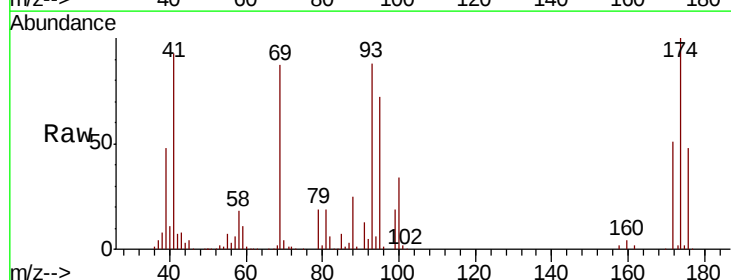
Tgt Ion: 93 Resp: 237550

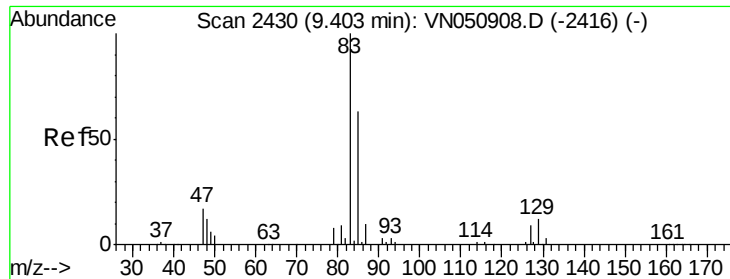
Ion Ratio Lower Upper

93 100

95 83.3 0.0 173.4

174 115.7 0.0 234.8





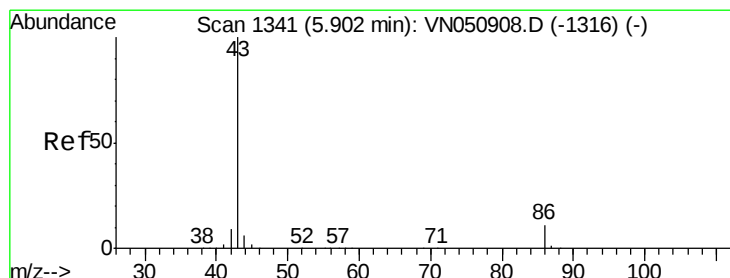
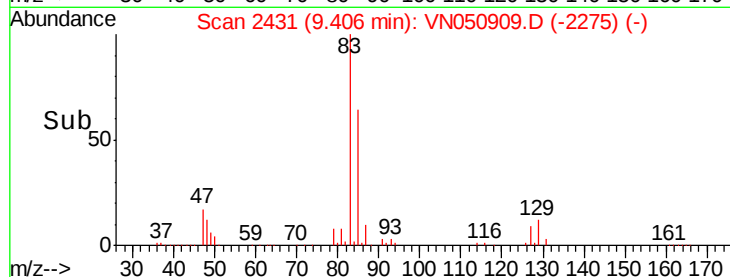
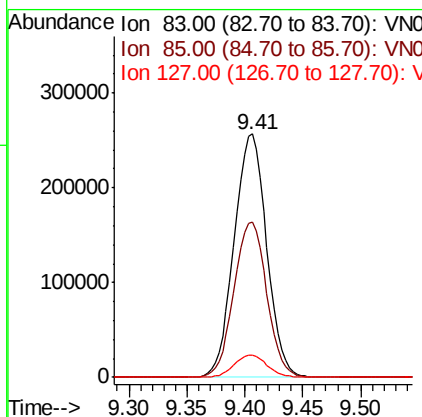
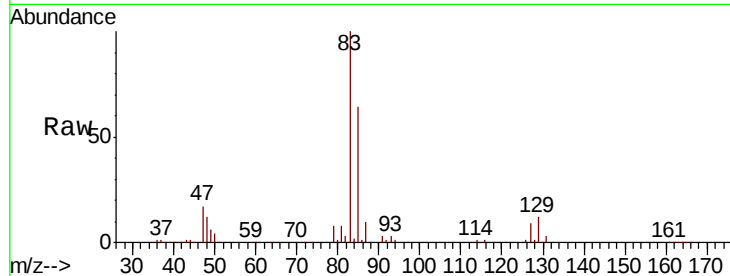
#41
Bromodichloromethane
Concen: 50.44 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0
127	8.9	7.1	10.7

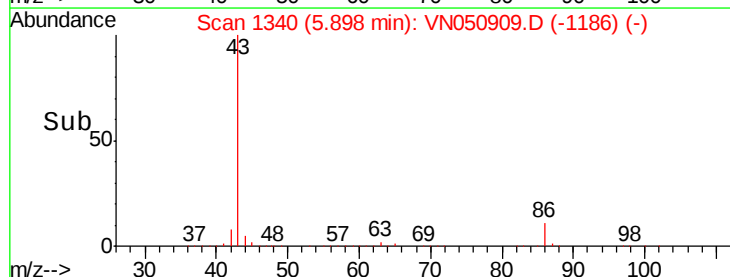
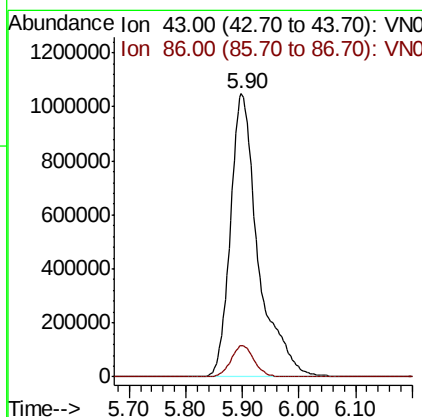
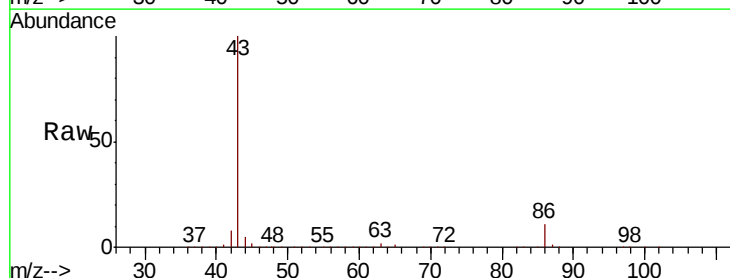
Manual Integrations
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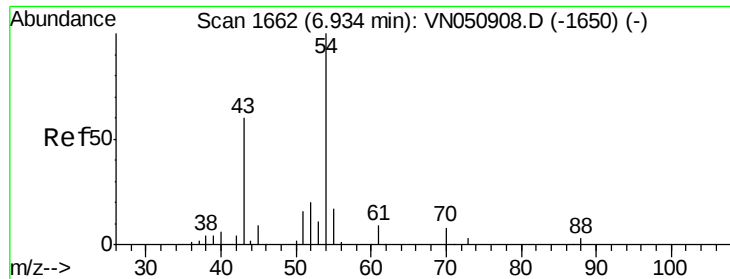
MMDadoda
8/29/2018 11:09:55 AM



#42
Vinyl Acetate
Concen: 260.93 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.2	10.8





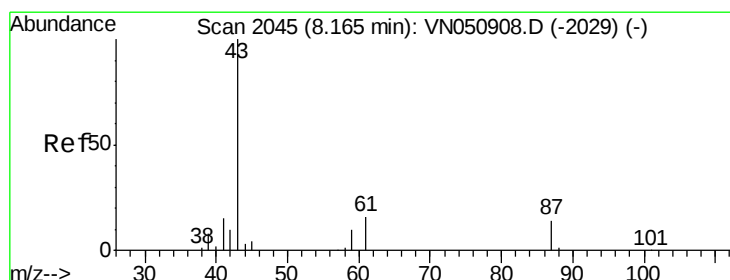
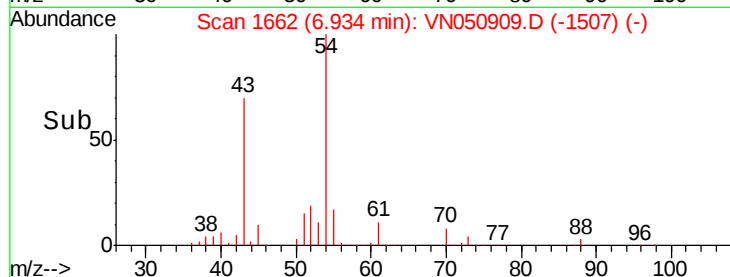
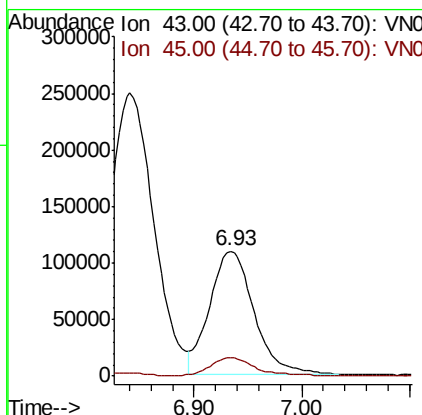
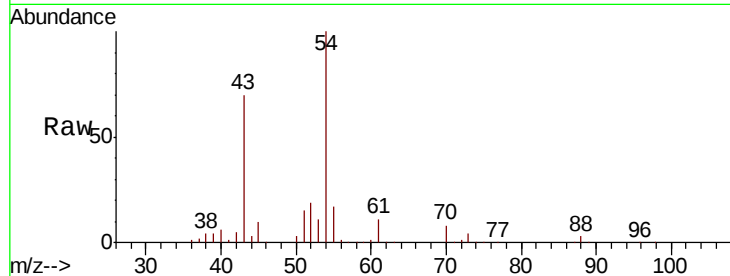
#43
Ethyl Acetate
Concen: 50.92 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	15.1	10.2	15.2	

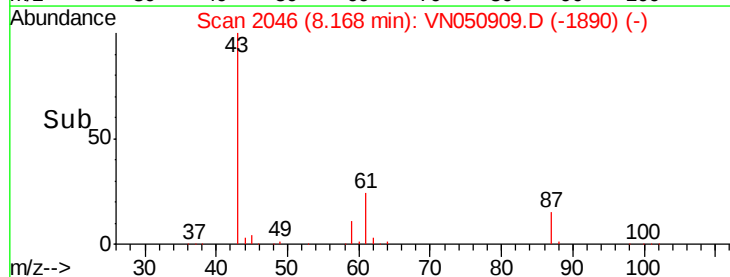
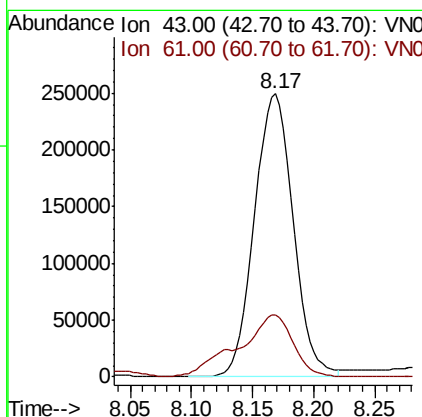
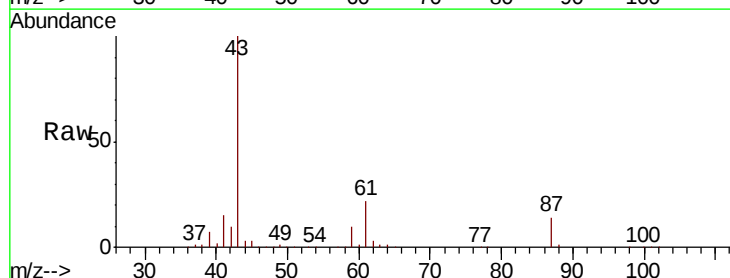
Manual Integrations
APPROVED

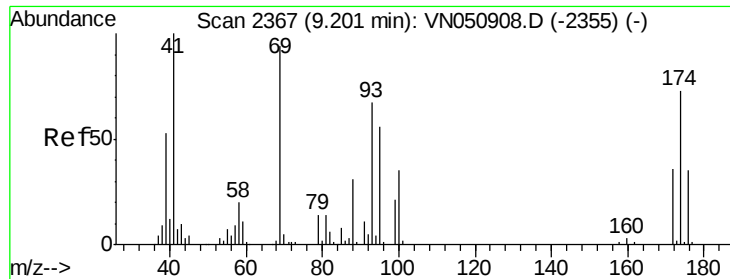
MMDadoda
8/29/2018 11:09:55 AM



#44
Isopropyl Acetate
Concen: 51.10 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
61	20.3	16.3	24.5	





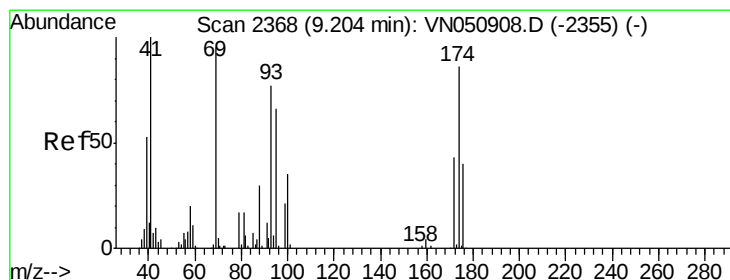
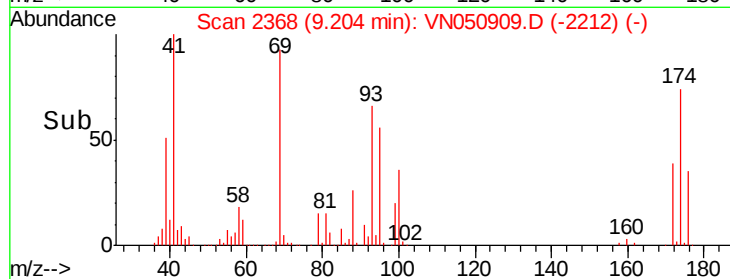
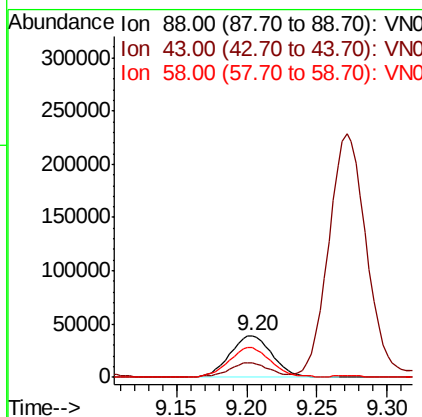
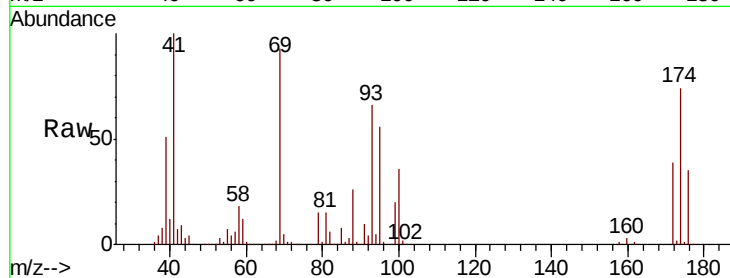
#45
 1,4-Dioxane
 Concen: 1031.57 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	23.5	35.3
58	71.3	55.2	82.8

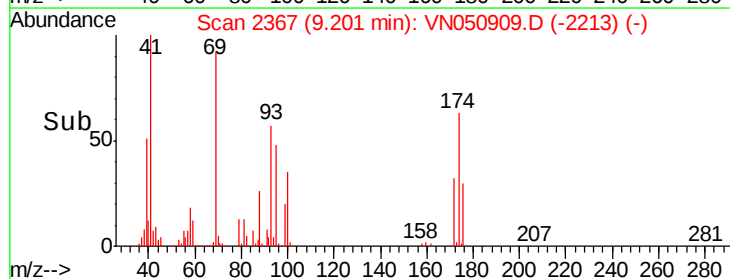
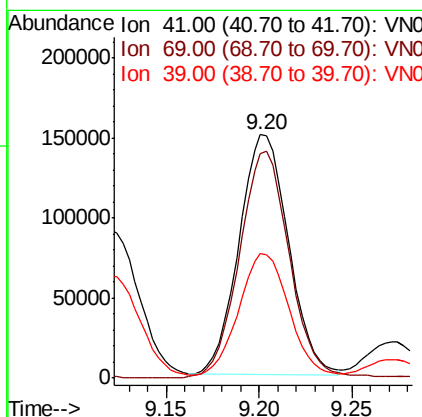
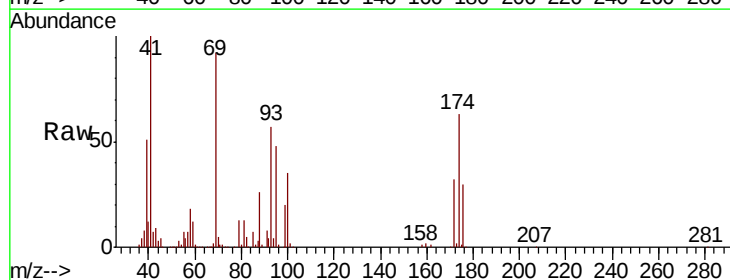
Manual Integrations
 APPROVED

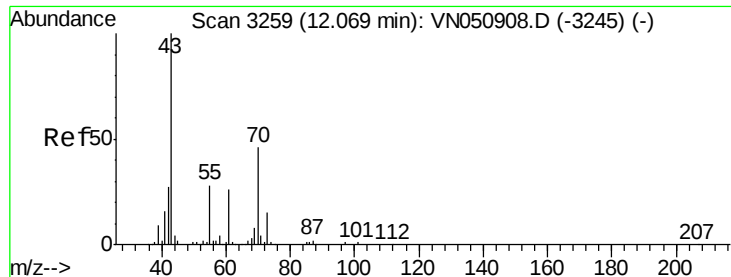
MMDadoda
 8/29/2018 11:09:55 AM



#46
 Methyl methacrylate
 Concen: 51.45 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	47.4	142.2
39	50.6	26.6	79.7





#47

n-amyl Acetate

Concen: 53.13 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 460031

Ion Ratio Lower Upper

43 100

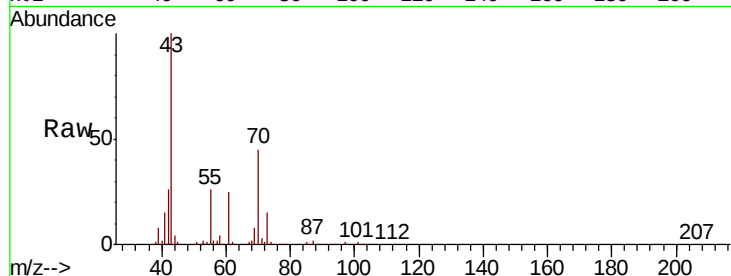
55 26.4 23.0 34.4

Manual Integrations

APPROVED

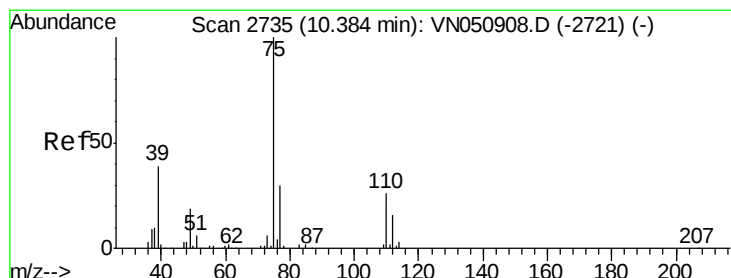
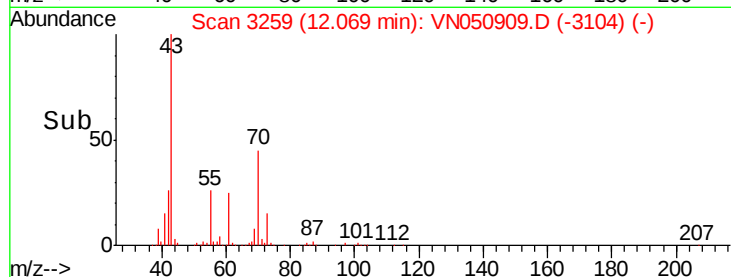
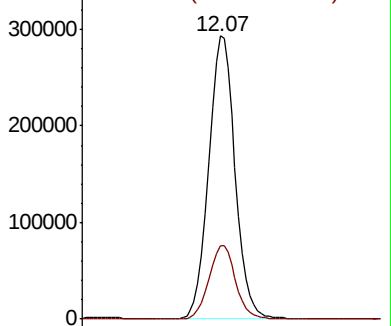
MMDadoda

8/29/2018 11:09:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 51.07 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050909.D

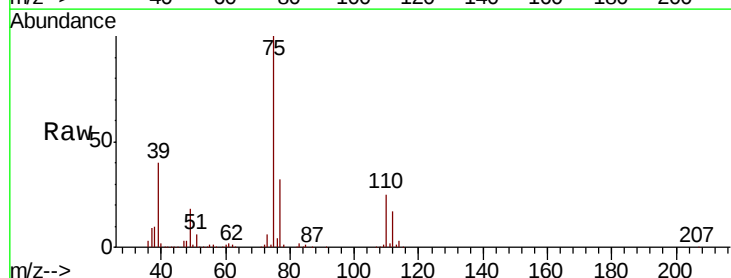
Acq: 28 Aug 2018 12:50

Tgt Ion: 75 Resp: 497481

Ion Ratio Lower Upper

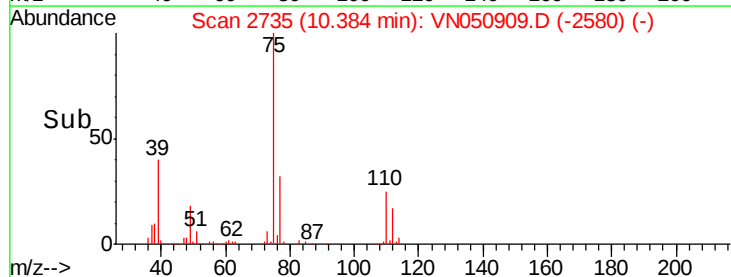
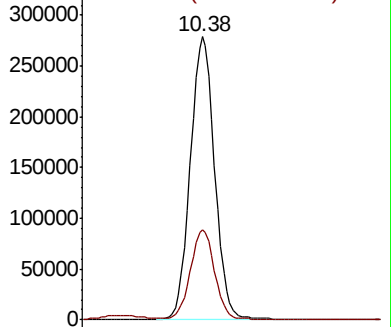
75 100

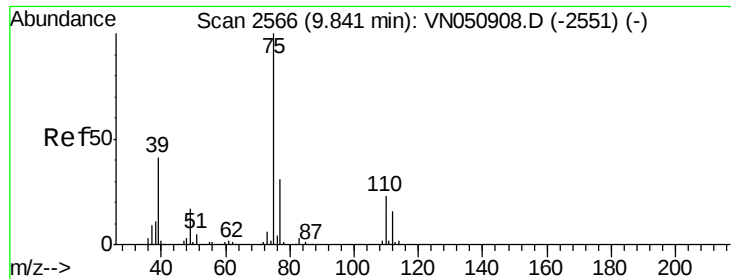
77 31.8 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





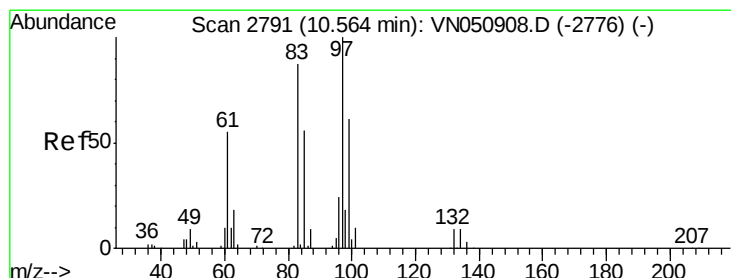
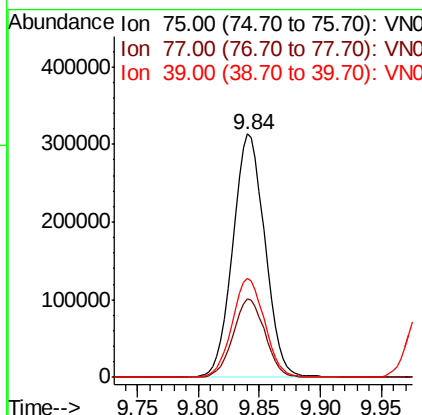
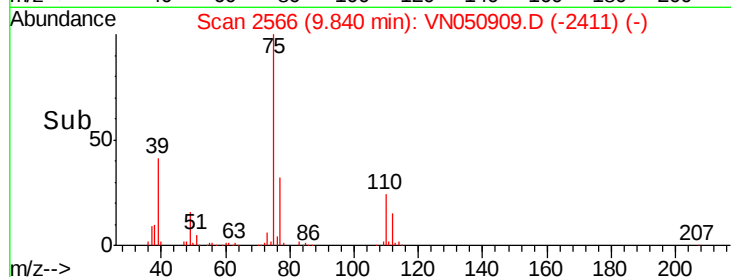
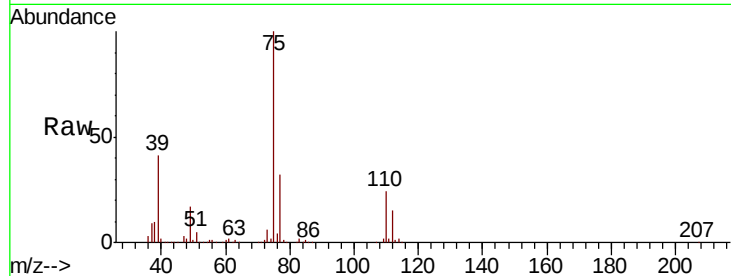
#49
 cis-1,3-Dichloropropene
 Concen: 51.19 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	75	Resp:	572751
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	40.7	32.9	49.3

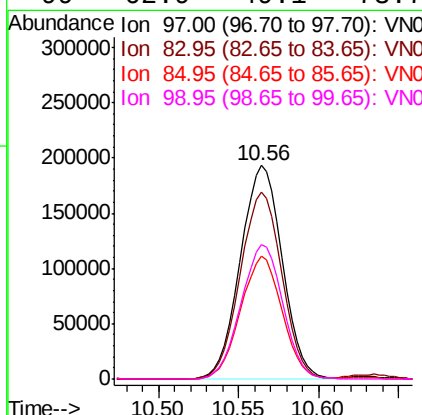
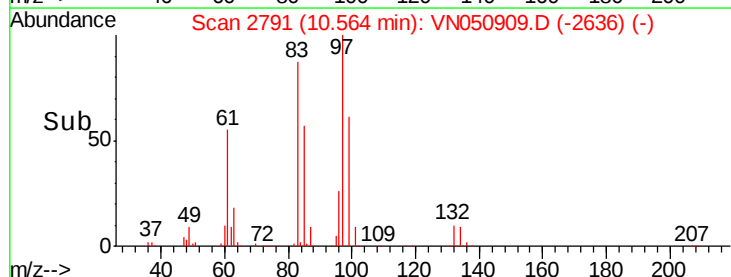
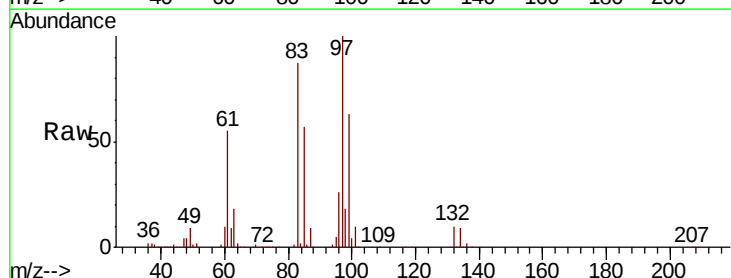
Manual Integrations
 APPROVED

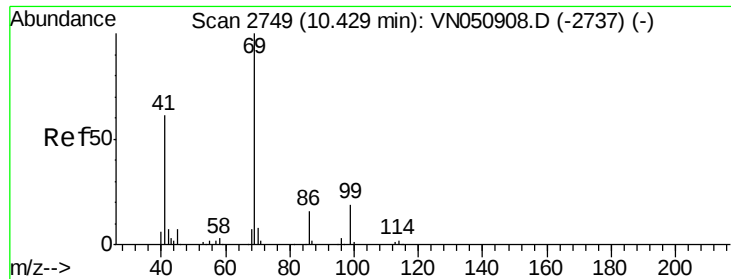
MMDadoda
 8/29/2018 11:09:55 AM



#50
 1,1,2-Trichloroethane
 Concen: 50.69 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:	97	Resp:	347186
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	57.3	45.0	67.6
99	62.9	49.1	73.7





#51

Ethyl methacrylate

Concen: 52.30 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

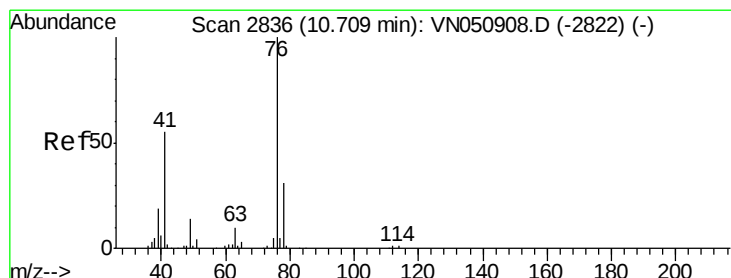
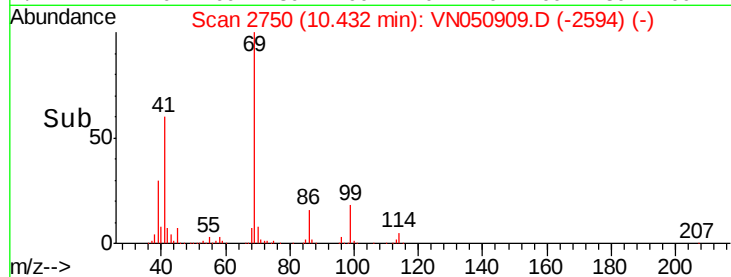
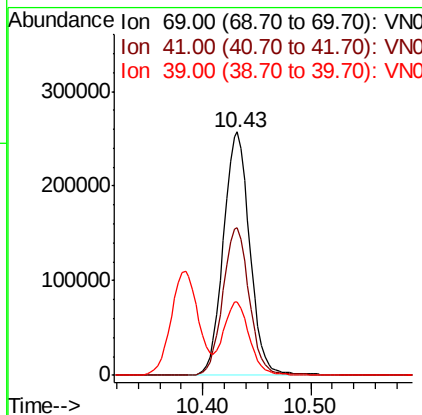
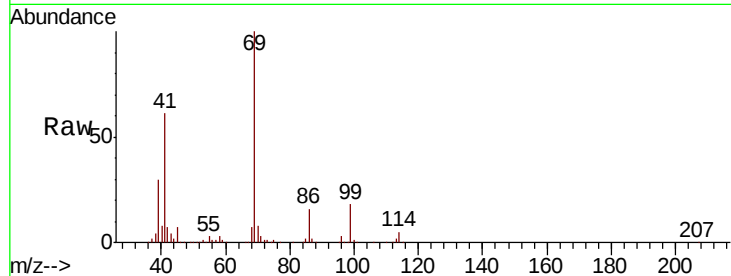
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	438265
Ion	Ratio	Lower	Upper
69	100		
41	60.4	30.5	91.5
39	29.8	15.3	45.8

Manual Integrations
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MMDadoda
8/29/2018 11:09:55 AM



#52

1,3-Dichloropropane

Concen: 50.43 ug/l

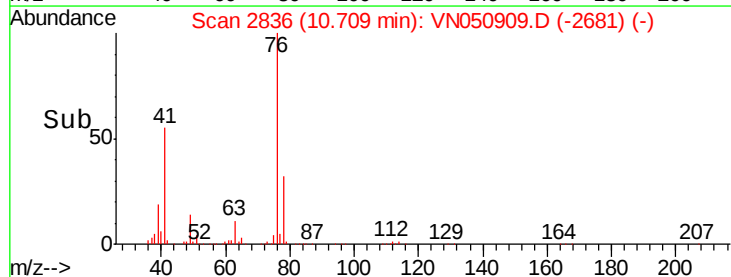
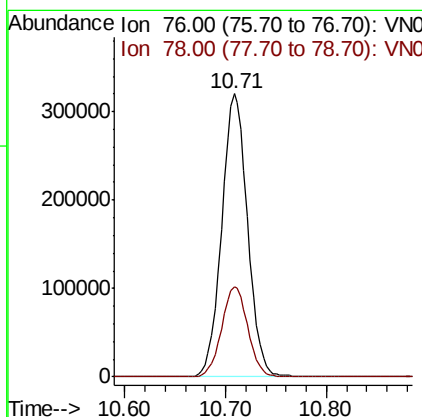
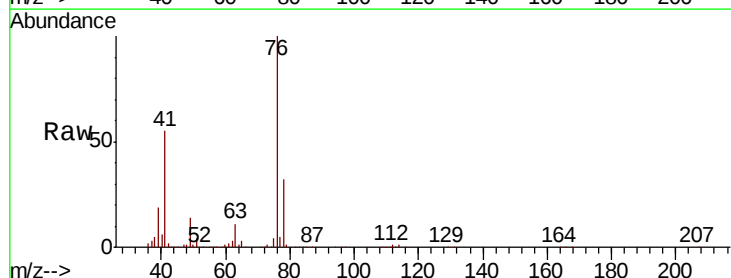
RT: 10.71 min Scan# 2836

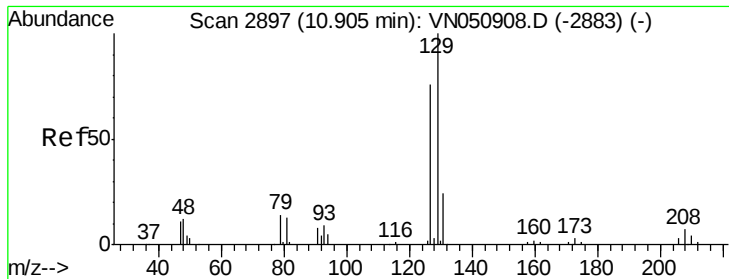
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	76	Resp:	572110
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





#53

Dibromochloromethane

Concen: 50.20 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 390961

Ion Ratio Lower Upper

129 100

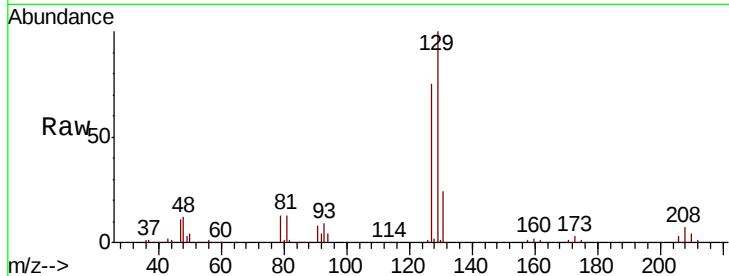
127 76.7 39.0 116.9

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

100000

50000

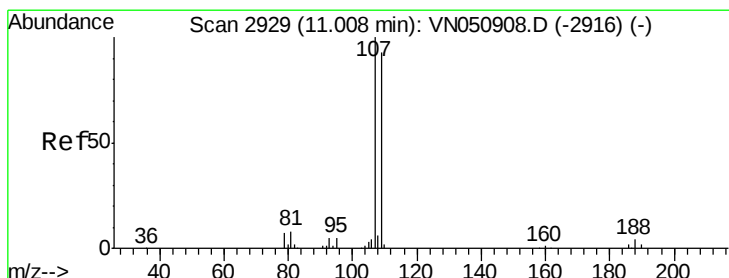
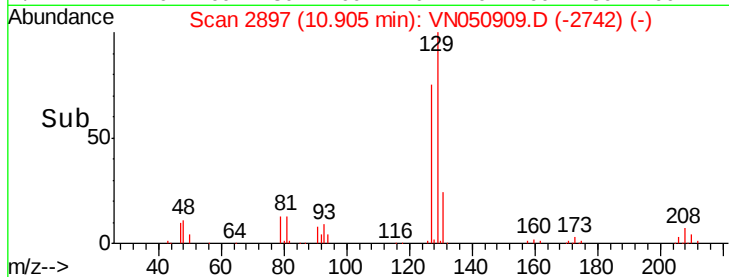
0

10.80

10.90

11.00

Time-->



#54

1,2-Dibromoethane

Concen: 50.70 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050909.D

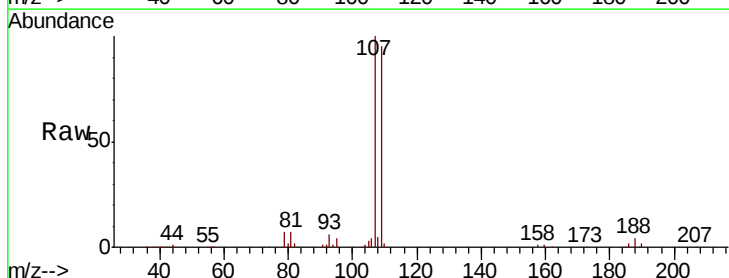
Acq: 28 Aug 2018 12:50

Tgt Ion:107 Resp: 343333

Ion Ratio Lower Upper

107 100

109 94.7 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

50000

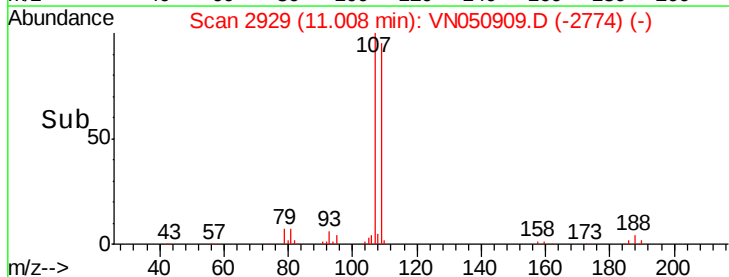
0

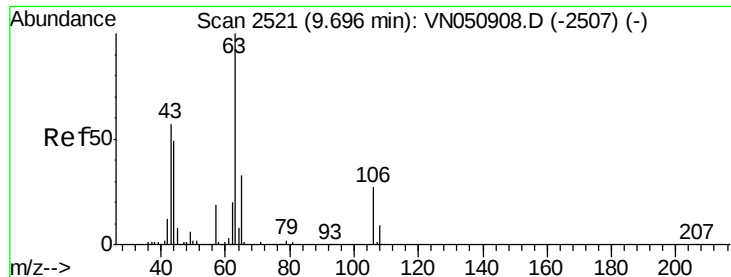
10.90

11.00

11.10

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 261.36 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

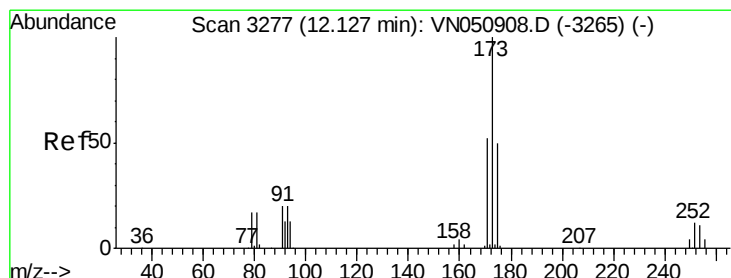
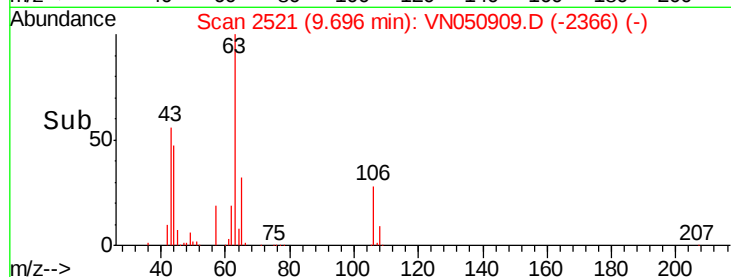
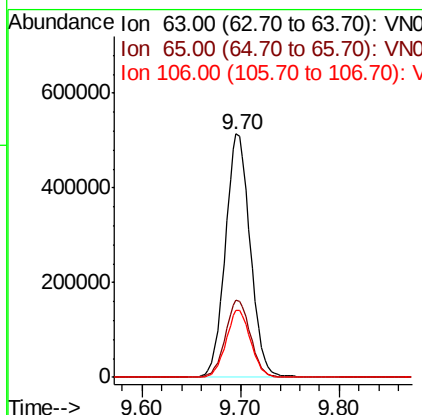
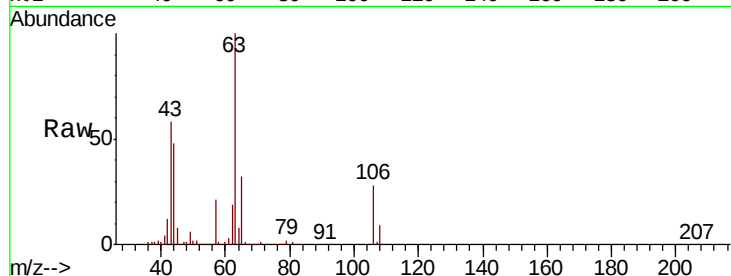
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	911305
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	27.4	22.0	33.0

Manual Integrations
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#56

Bromoform

Concen: 50.61 ug/l

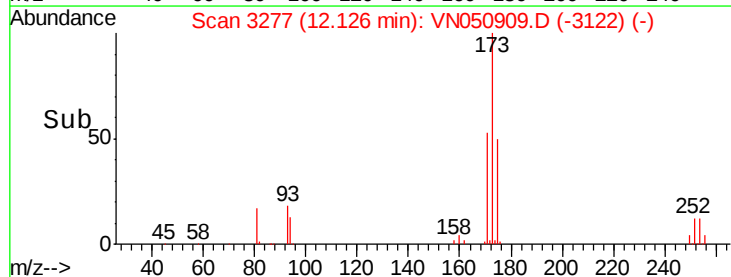
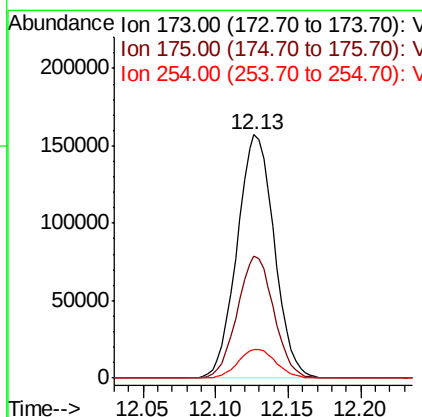
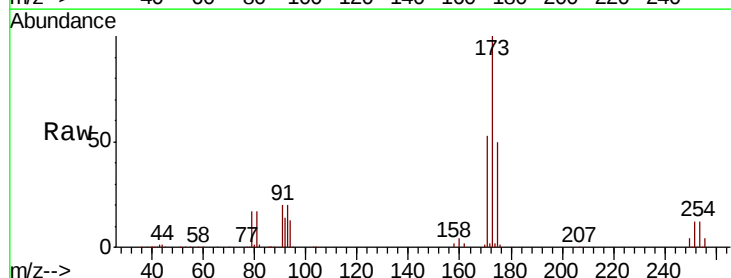
RT: 12.13 min Scan# 3277

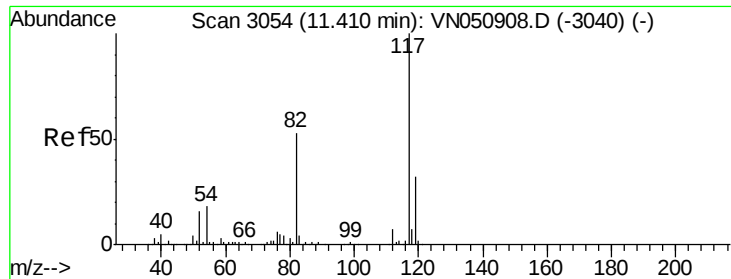
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	173	Resp:	280344
Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.2	58.8
254	12.0	9.0	13.6





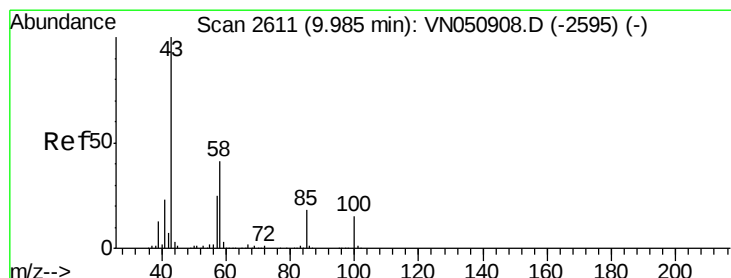
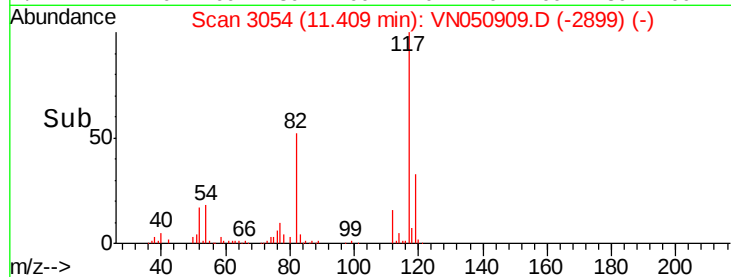
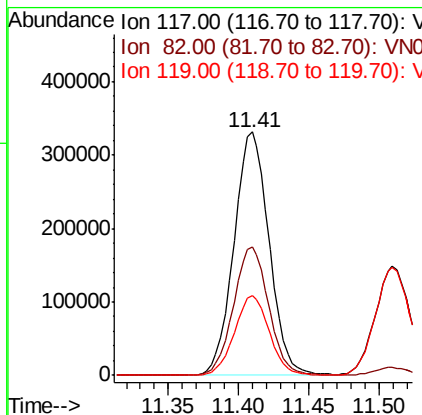
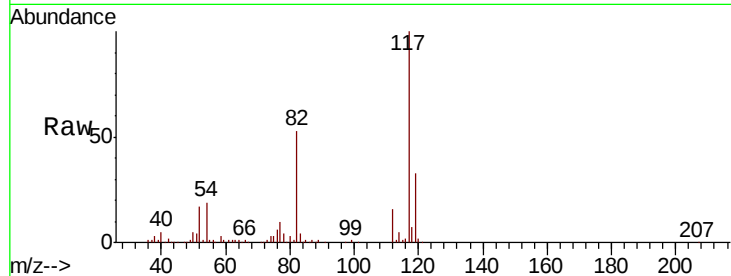
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	578435		
82	52.7		42.6	64.0
119	32.5		25.7	38.5

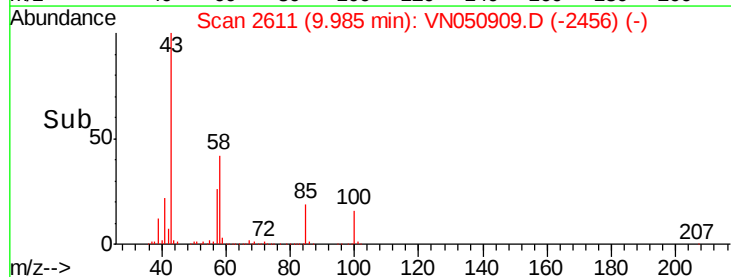
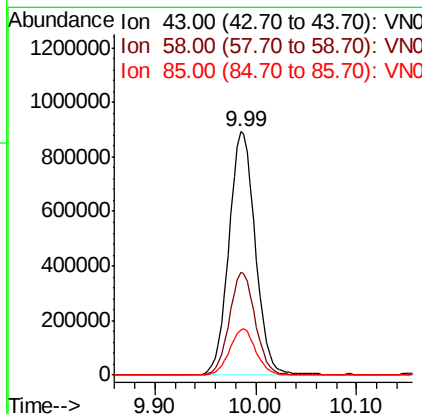
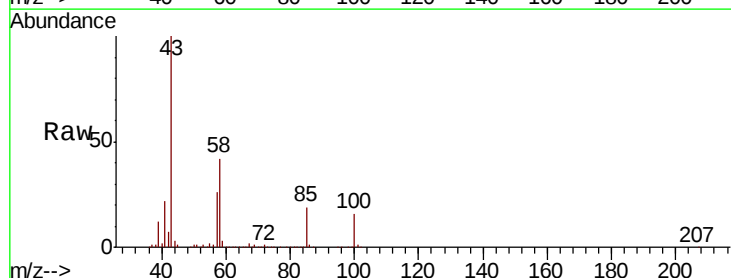
Manual Integrations
APPROVED

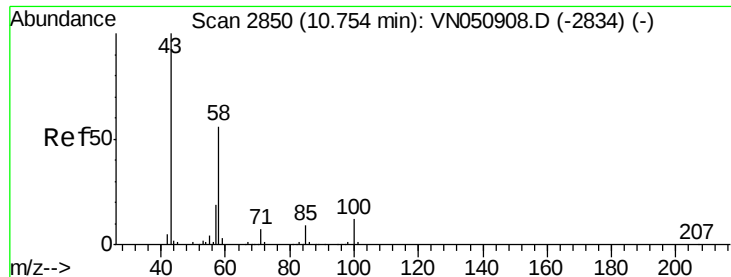
MMDadoda
8/29/2018 11:09:55 AM



#58
4-Methyl-2-Pentanone
Concen: 245.92 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1627581		
58	41.6		32.3	48.5
85	18.8		14.9	22.3





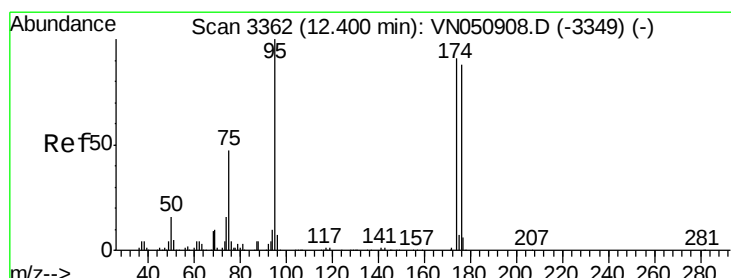
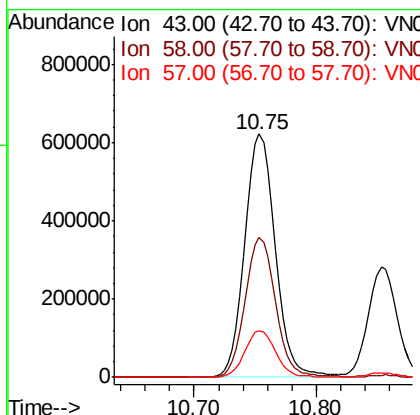
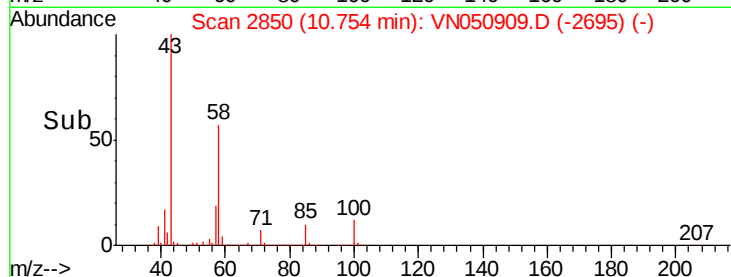
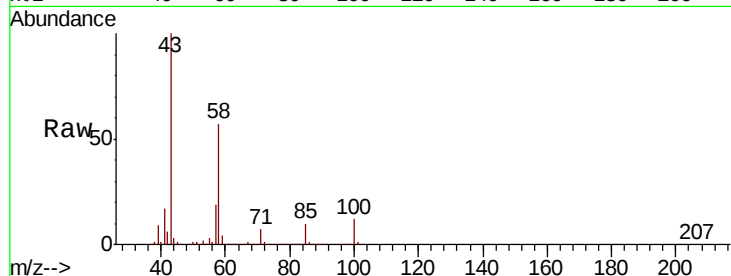
#59
2-Hexanone
Concen: 247.30 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	45.5	68.3
57	19.2	15.2	22.8

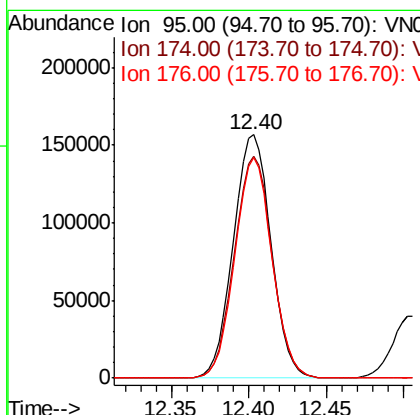
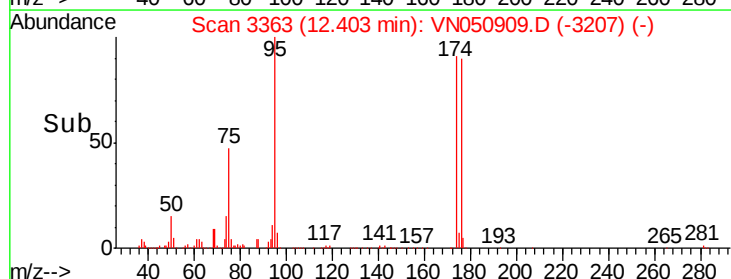
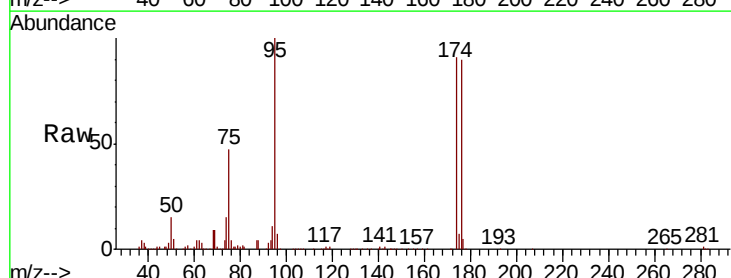
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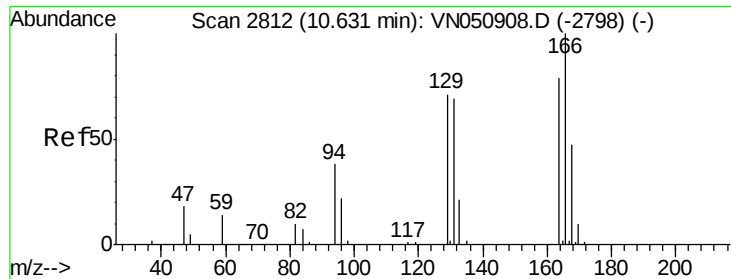
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.92 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	74.6	112.0
176	89.1	71.5	107.3





#61

Tetrachloroethene

Concen: 50.42 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 363420

Ion Ratio Lower Upper

164 100

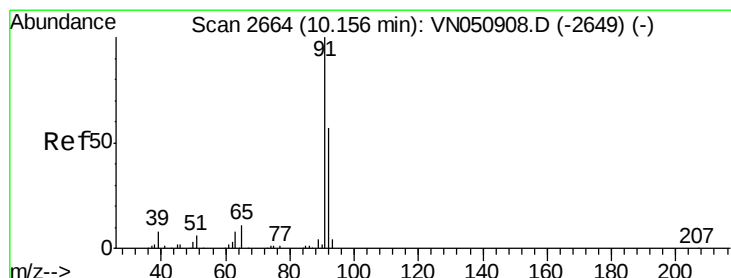
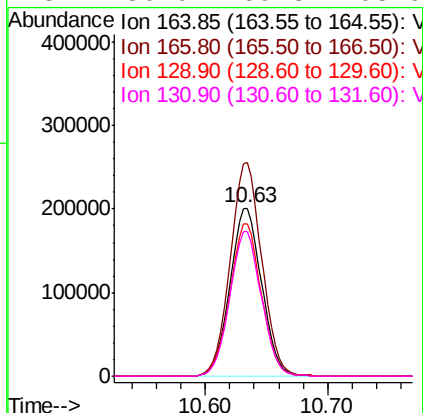
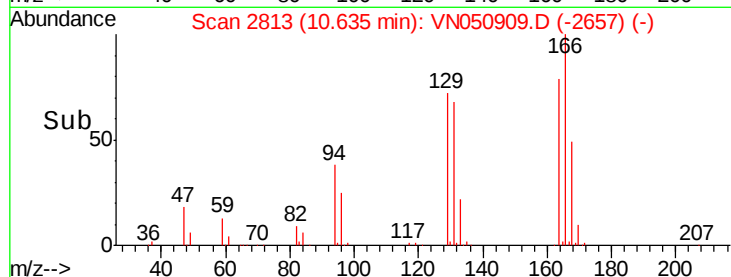
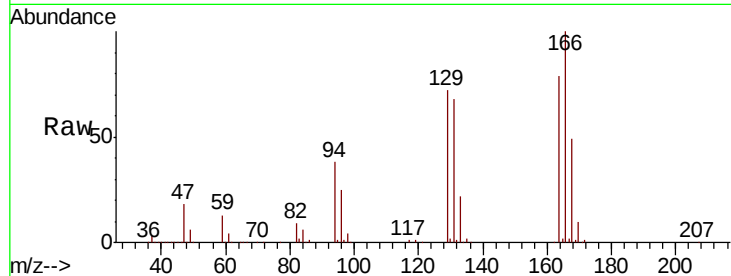
166 126.9 100.6 151.0

129 90.8 71.0 106.6

131 86.0 69.3 103.9

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#62

Toluene

Concen: 50.41 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050909.D

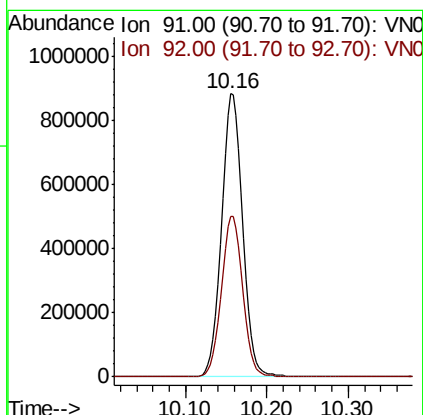
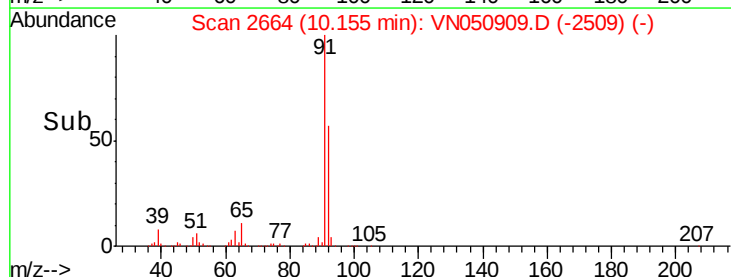
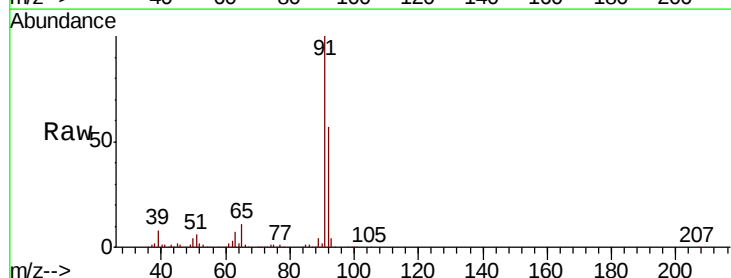
Acq: 28 Aug 2018 12:50

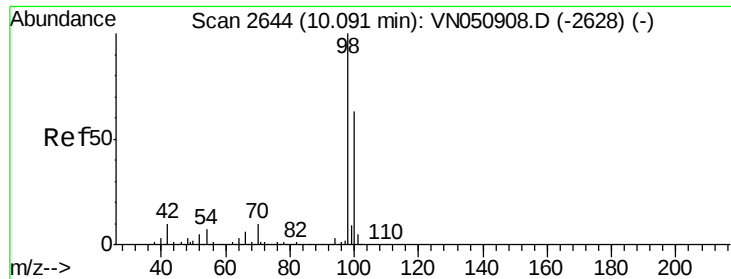
Tgt Ion: 91 Resp: 1626750

Ion Ratio Lower Upper

91 100

92 57.4 45.8 68.8





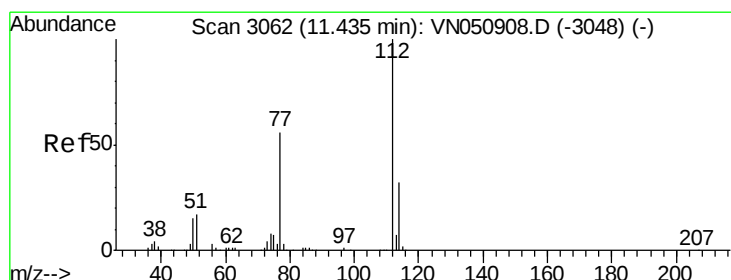
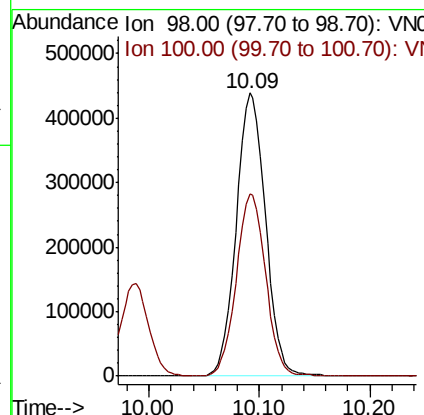
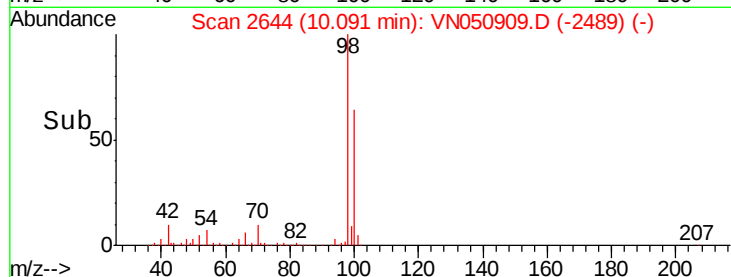
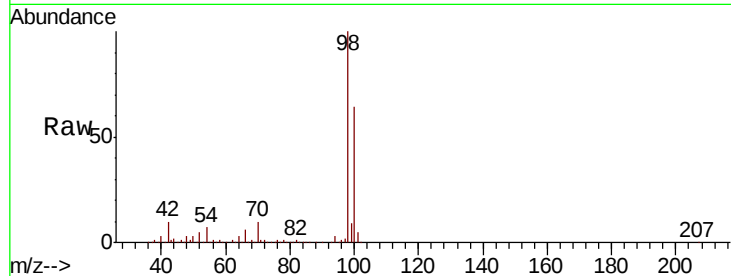
#63
Toluene-d8
Concen: 29.98 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 808685
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8

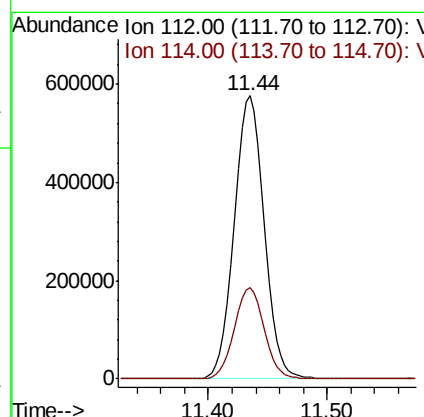
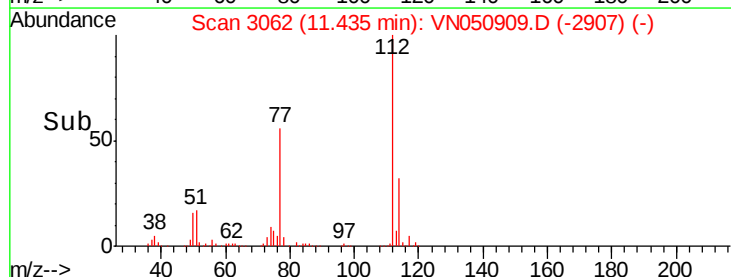
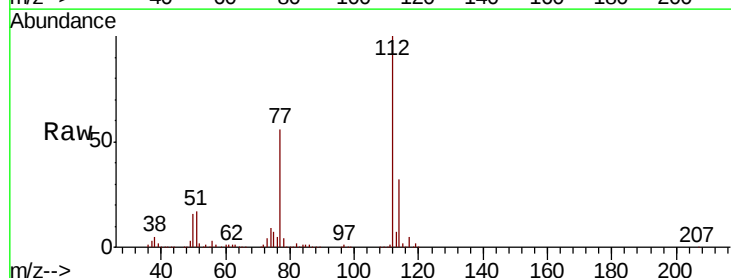
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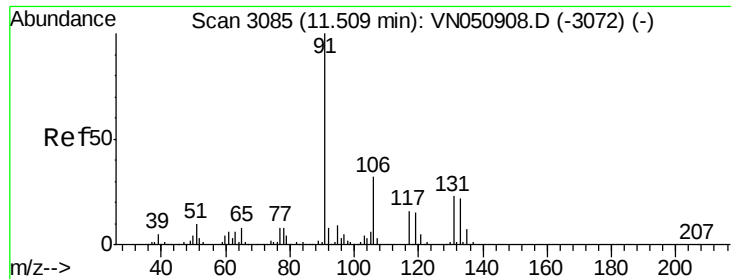
MMDadoda
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#64
Chlorobenzene
Concen: 50.28 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 112 Resp: 1005613
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 50.34 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

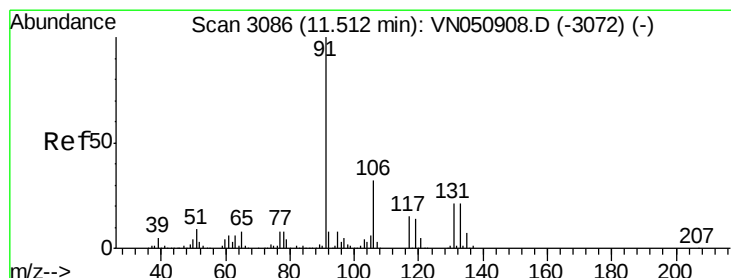
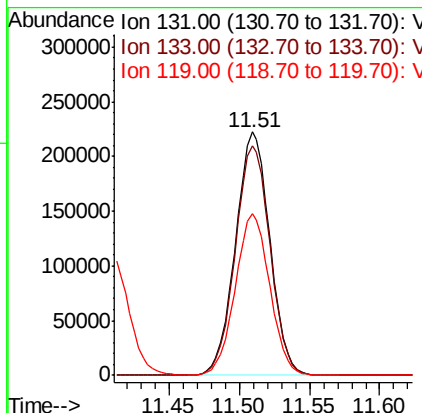
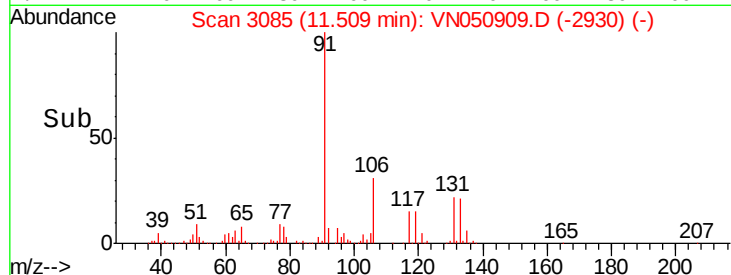
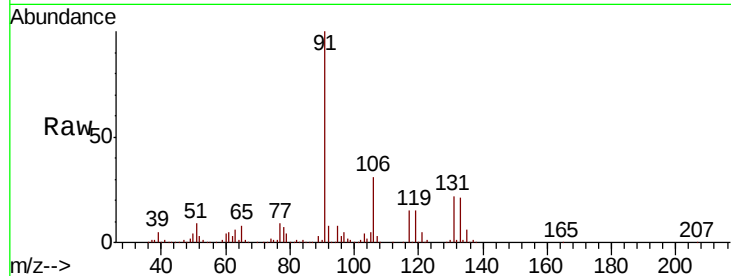
ClientSampled :

VSTDIC050

Tot Ion:	131	Resp:	380168
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	189.4
119	66.4	0.0	132.2

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#66

Ethyl Benzene

Concen: 51.97 ug/l

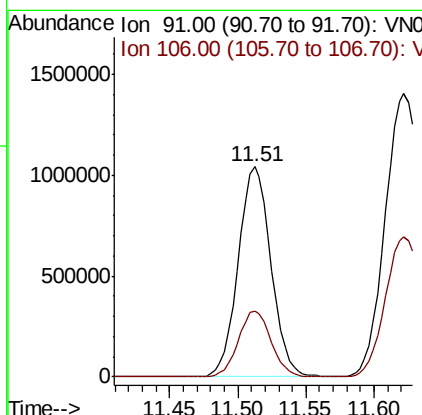
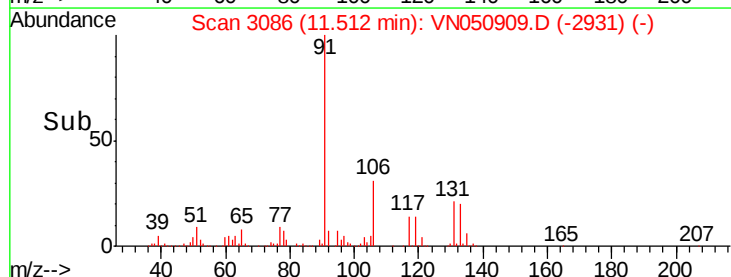
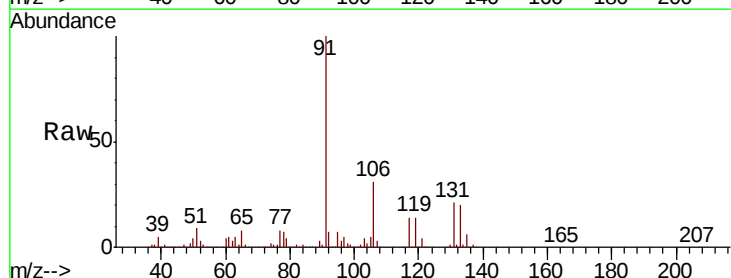
RT: 11.51 min Scan# 3086

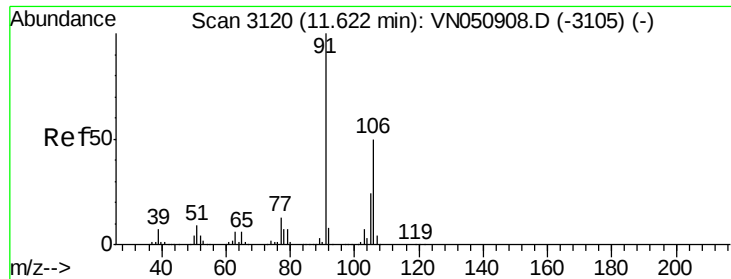
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	91	Resp:	1737039
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.7	38.5





#67

m/p-Xylenes

Concen: 104.35 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 1341998

Ion Ratio Lower Upper

106 100

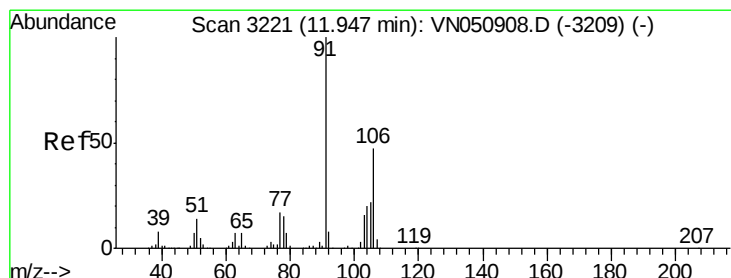
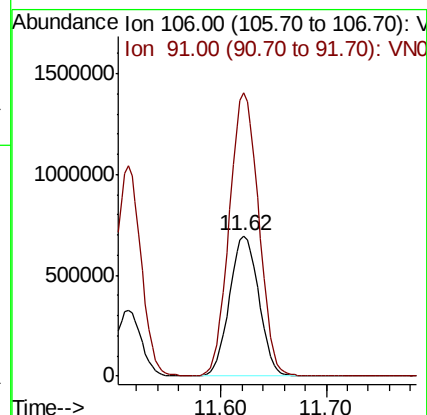
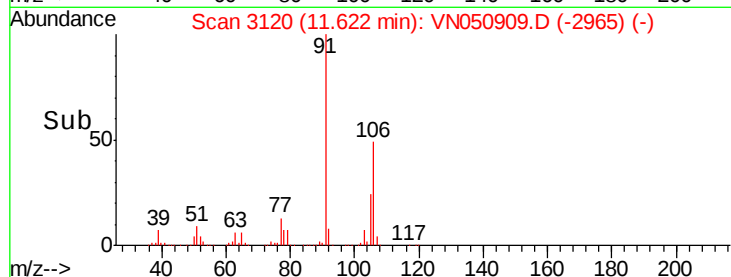
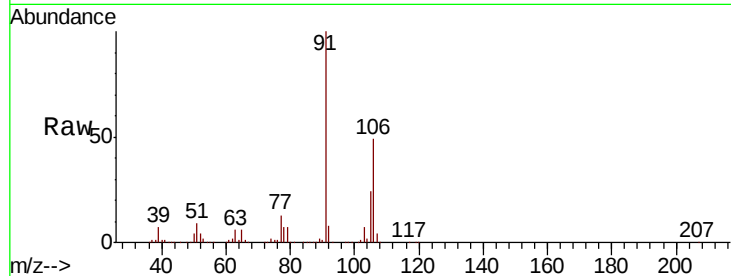
91 201.5 160.6 241.0

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#68

o-Xylene

Concen: 52.63 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050909.D

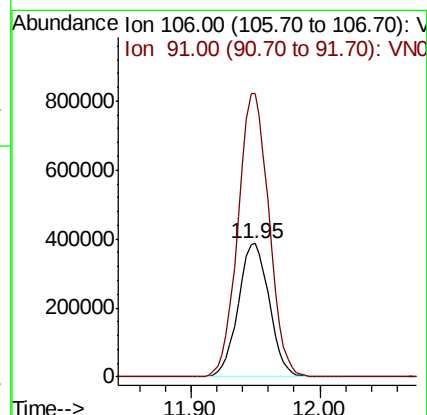
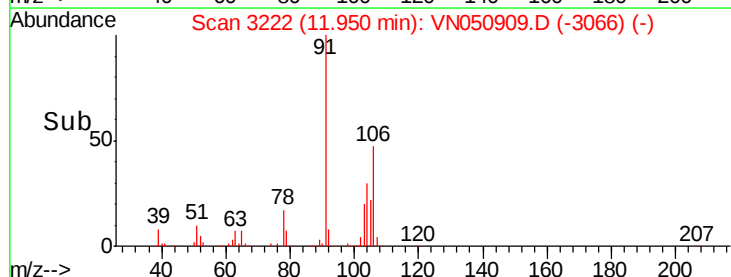
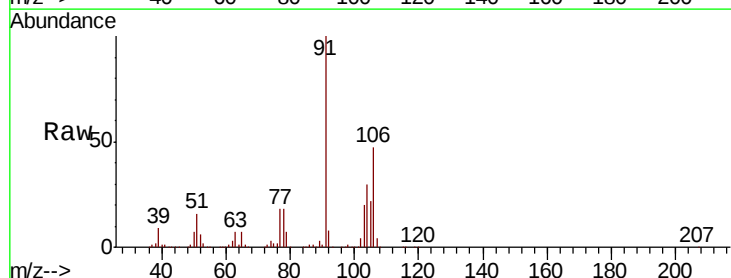
Acq: 28 Aug 2018 12:50

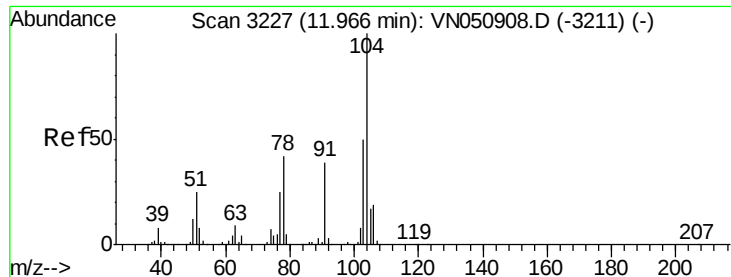
Tgt Ion:106 Resp: 646729

Ion Ratio Lower Upper

106 100

91 212.1 106.4 319.2





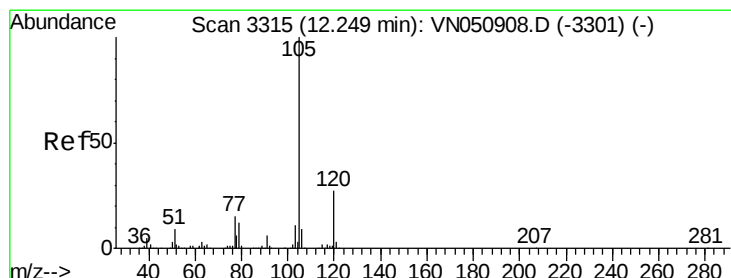
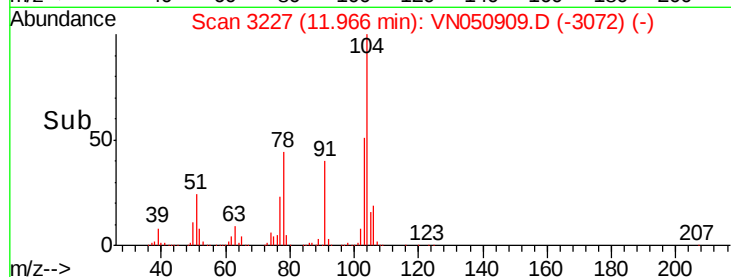
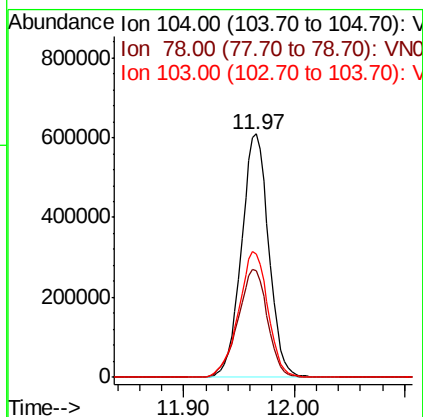
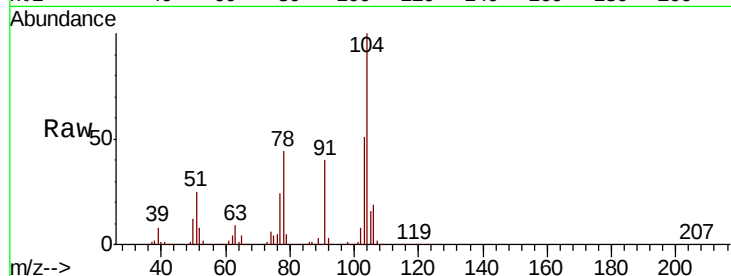
#69
Stvrene
Concen: 53.26 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.6	58.0
103	55.9	45.4	68.2

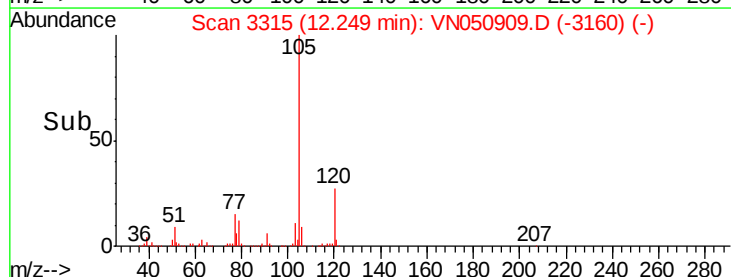
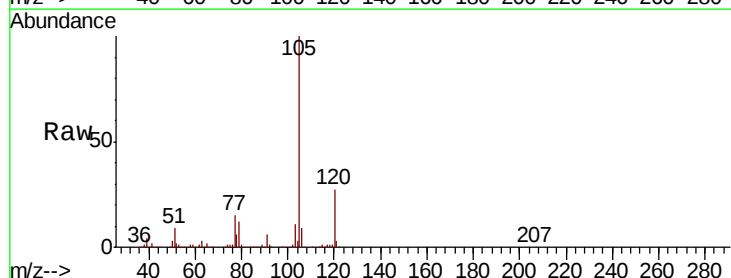
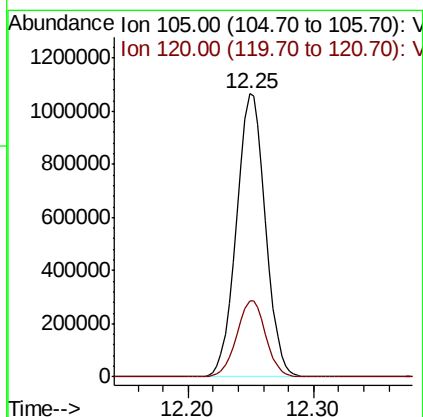
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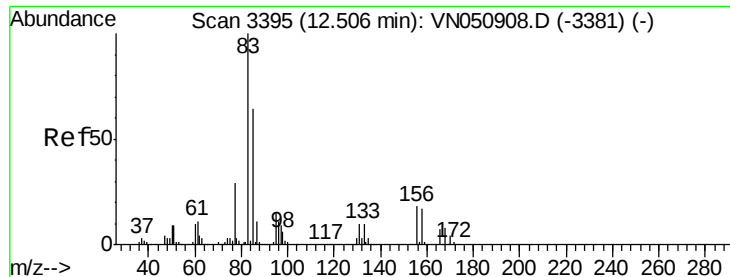
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#70
Isopropylbenzene
Concen: 52.21 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6





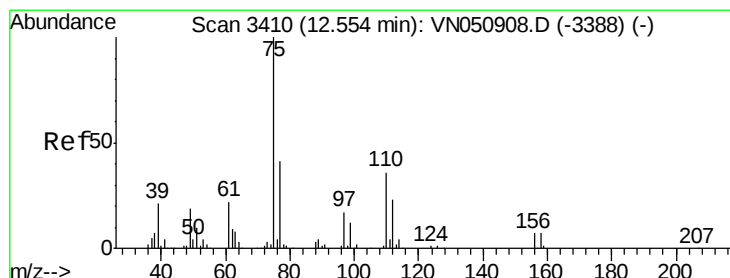
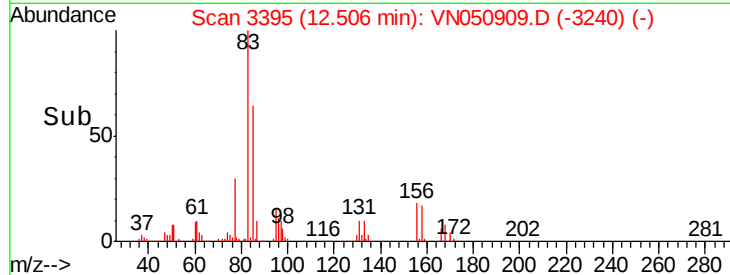
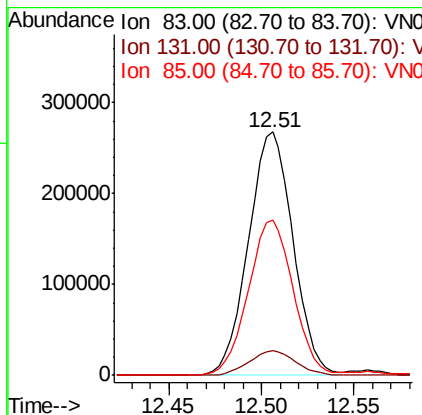
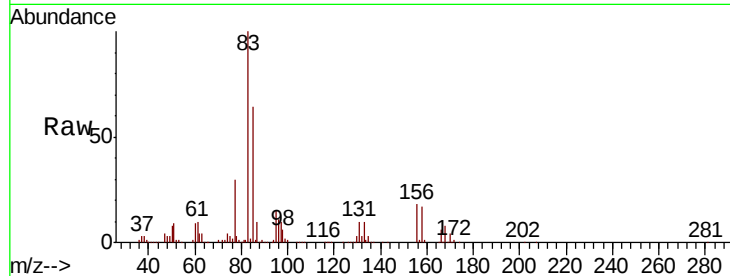
#71
 1,1,2,2-Tetrachloroethane
 Concen: 50.58 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.3	32.3	96.9

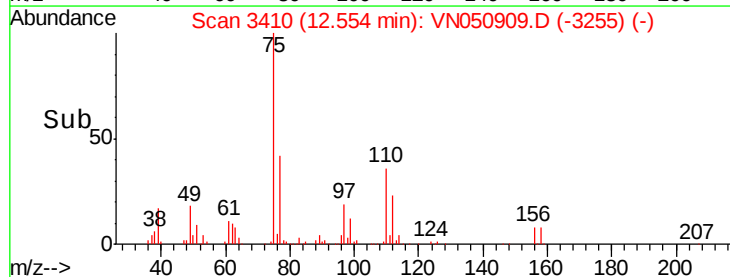
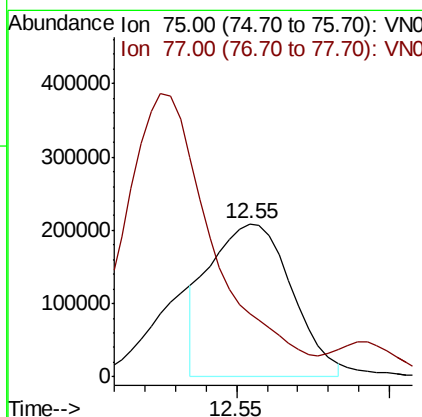
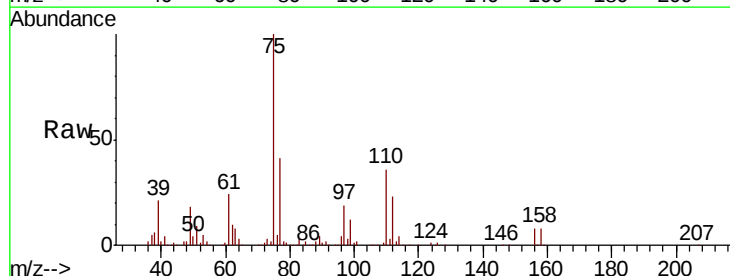
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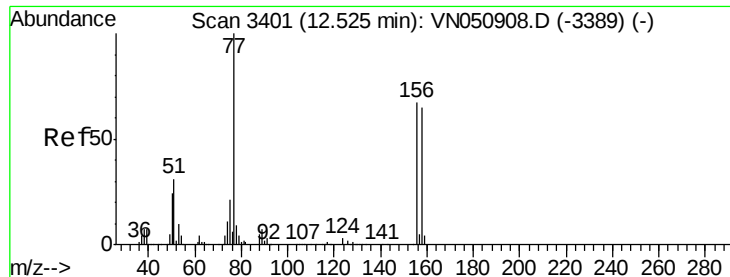
MMDadoda
 8/29/2018 11:09:55 AM



#72
 1,2,3-Trichloropropane
 Concen: 50.85 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	203.7	0.0	301.6





#73

Bromobenzene

Concen: 50.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

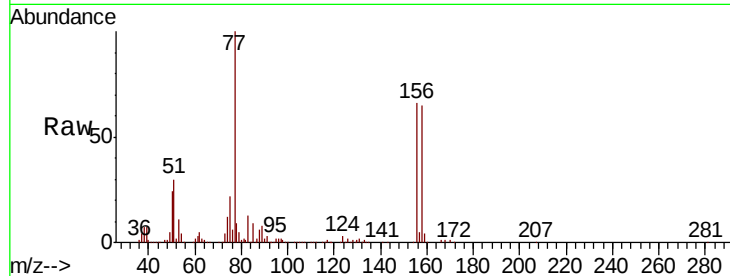
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	437311
Ion Ratio	Lower	Upper	
156	100		
77	180.1	0.0	359.4
158	98.8	0.0	194.6

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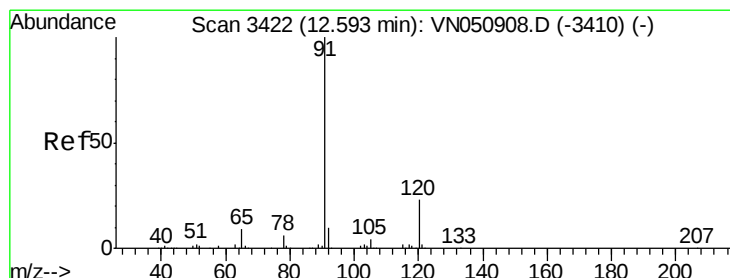
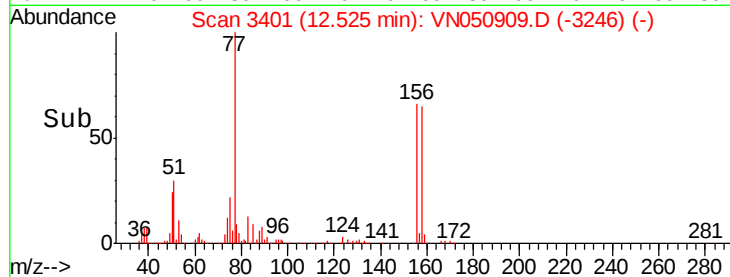
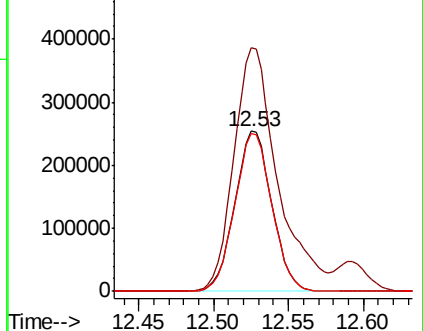
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 52.56 ug/l

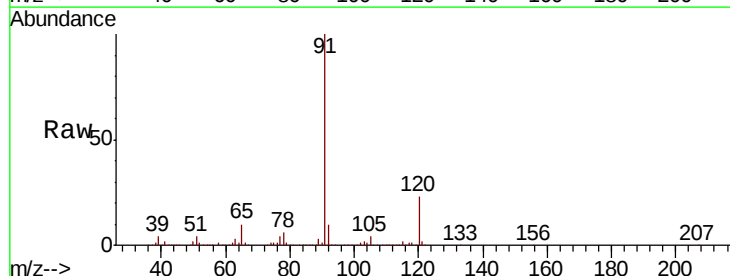
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050909.D

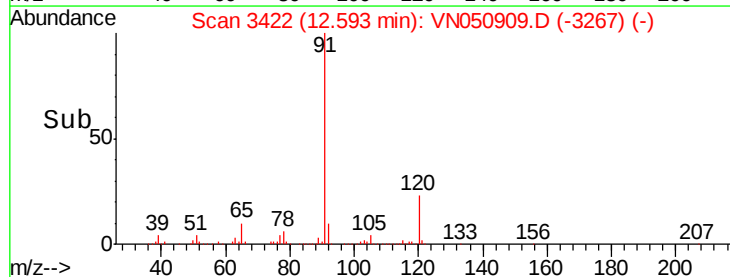
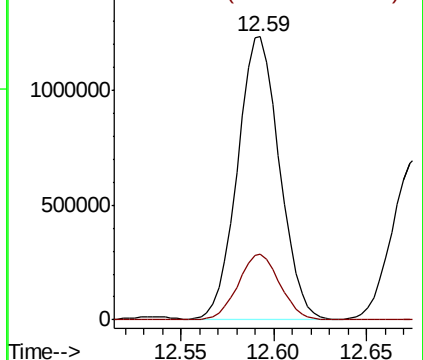
Acq: 28 Aug 2018 12:50

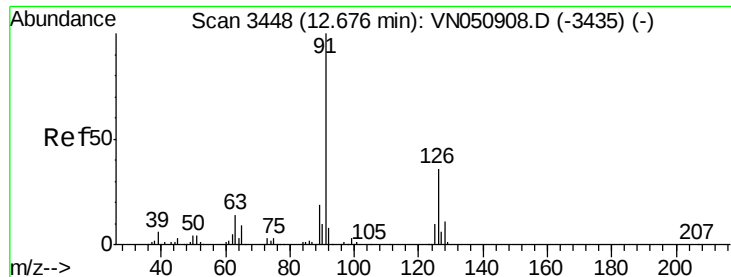
Tgt Ion:	91	Resp:	1940583
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.79 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1161632

Ion Ratio Lower Upper

91 100

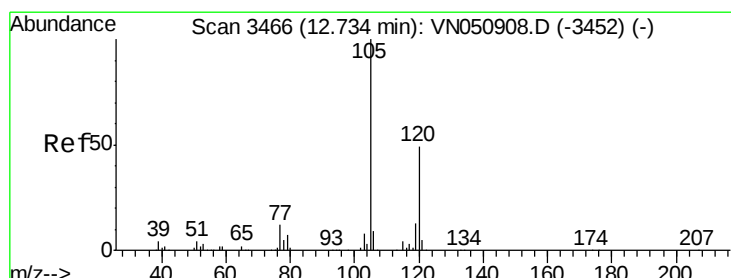
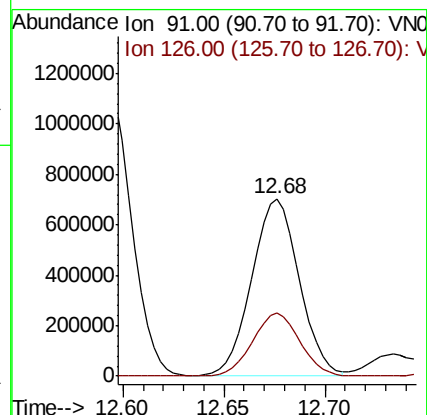
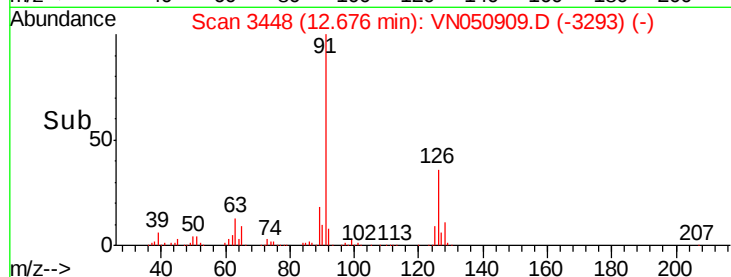
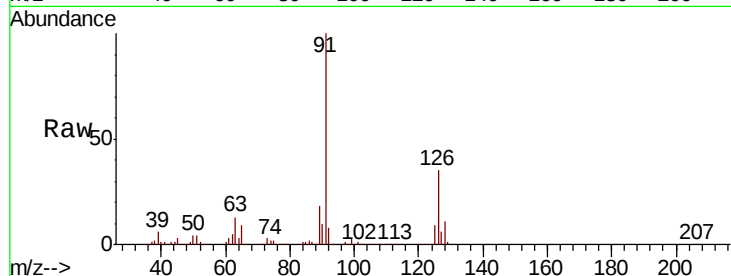
126 35.4 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 52.77 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050909.D

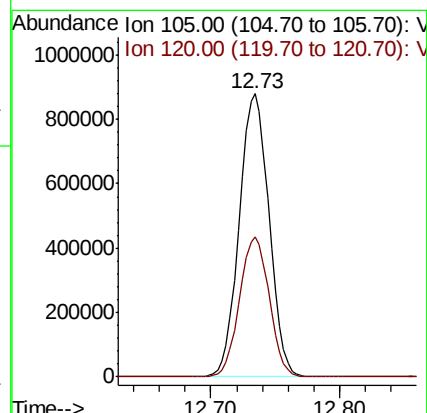
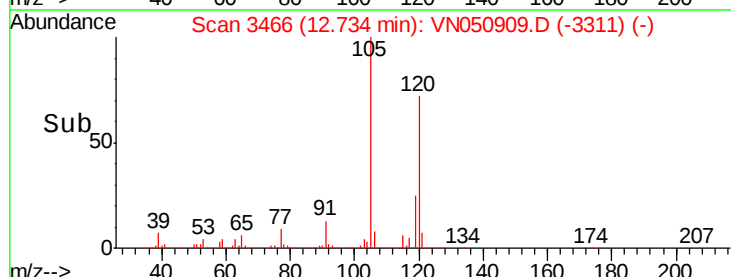
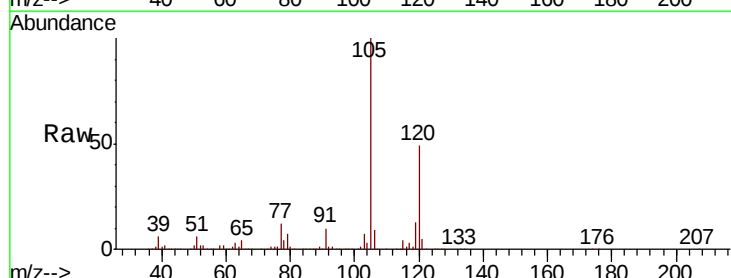
Acq: 28 Aug 2018 12:50

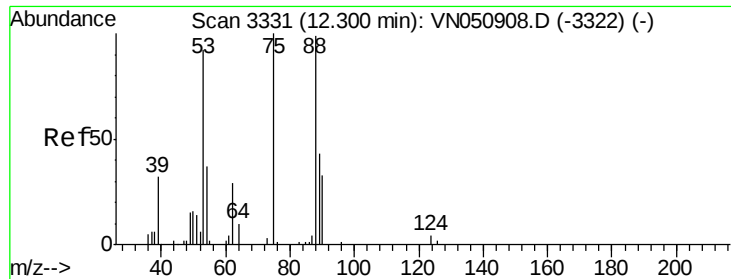
Tgt Ion: 105 Resp: 1408228

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 50.98 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

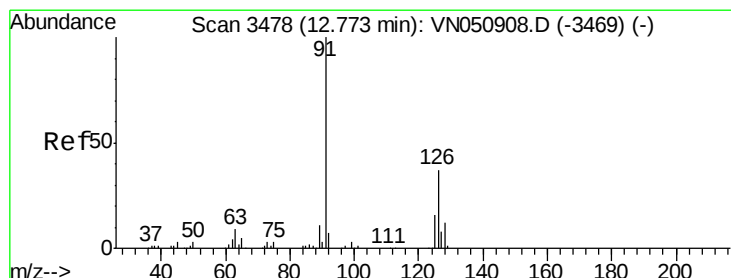
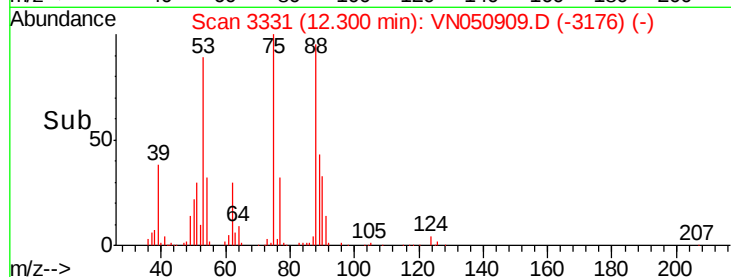
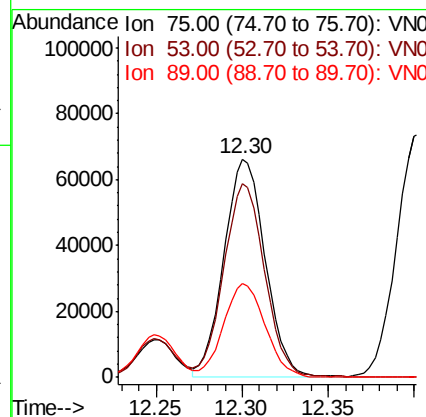
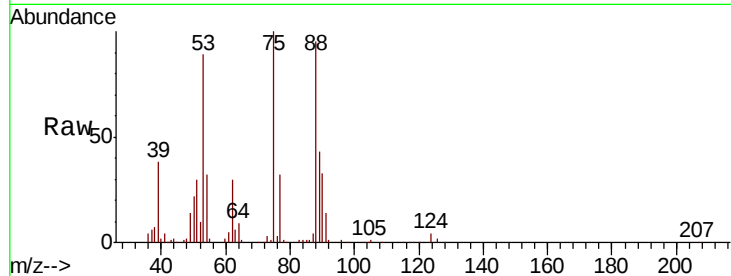
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	110787
Ion	Ratio	Lower	Upper
75	100		
53	88.4	45.5	136.4
89	43.0	21.9	65.8

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#78

4-Chlorotoluene

Concen: 52.81 ug/l

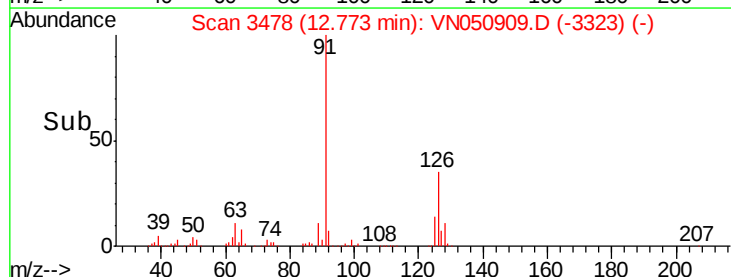
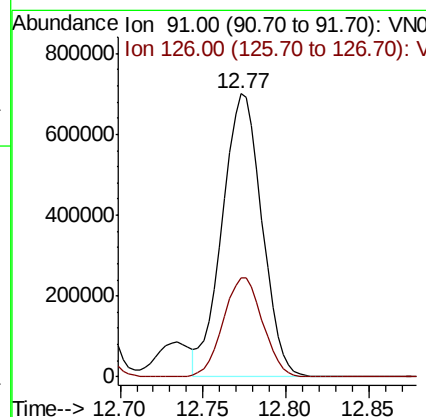
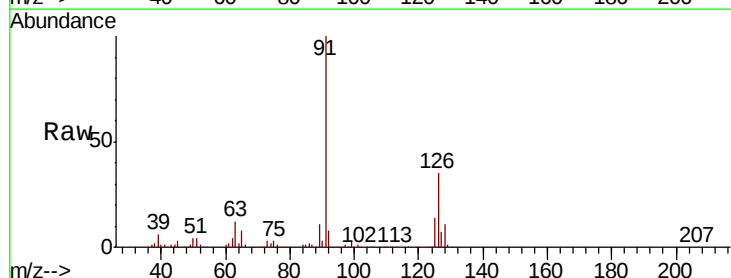
RT: 12.77 min Scan# 3478

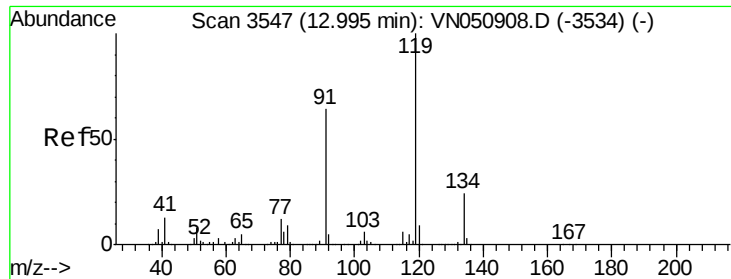
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	91	Resp:	1166350
Ion	Ratio	Lower	Upper
91	100		
126	34.9	0.0	69.8





#79

tert-butylbenzene

Concen: 52.21 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:119 Resp: 1210057

Ion Ratio Lower Upper

119 100

91 62.8 0.0 125.6

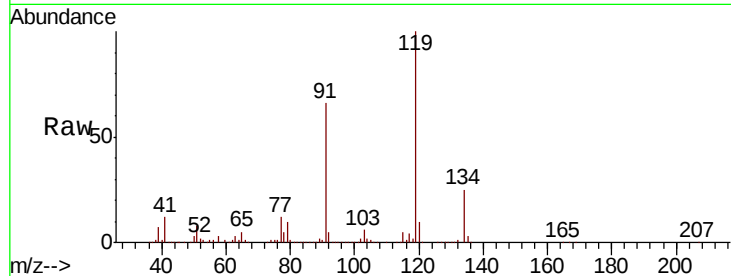
134 24.7 0.0 48.4

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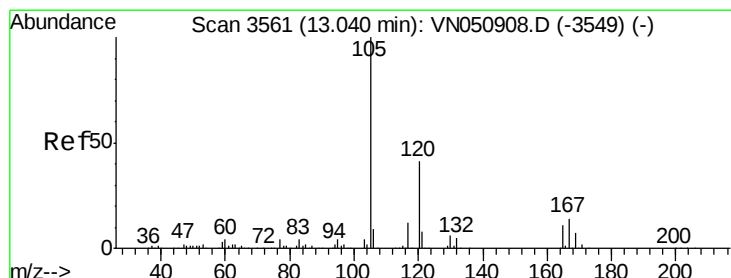
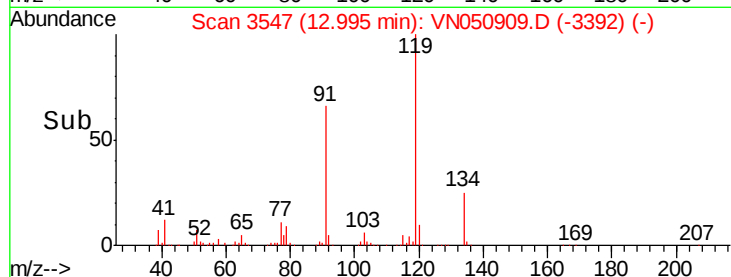
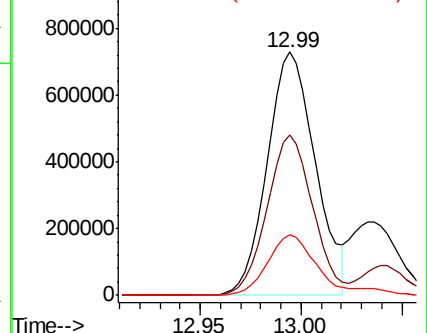
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 53.51 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050909.D

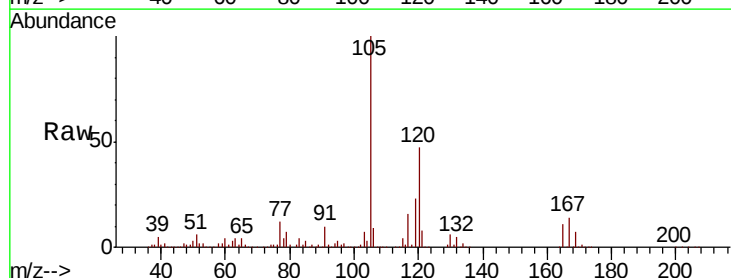
Acq: 28 Aug 2018 12:50

Tgt Ion:105 Resp: 1423545

Ion Ratio Lower Upper

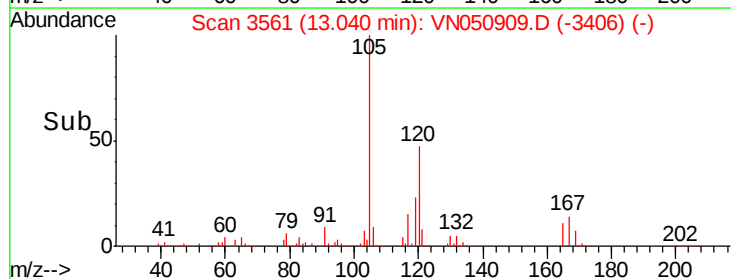
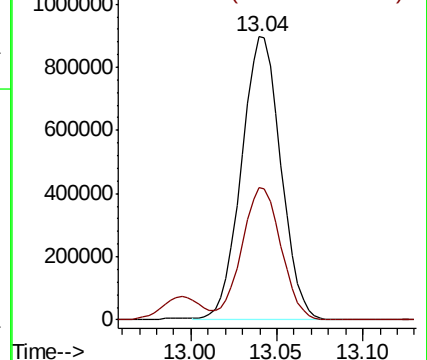
105 100

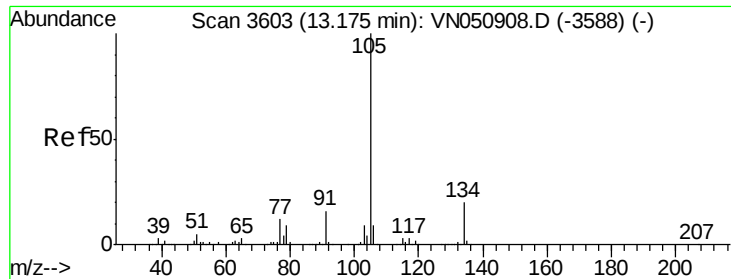
120 46.4 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





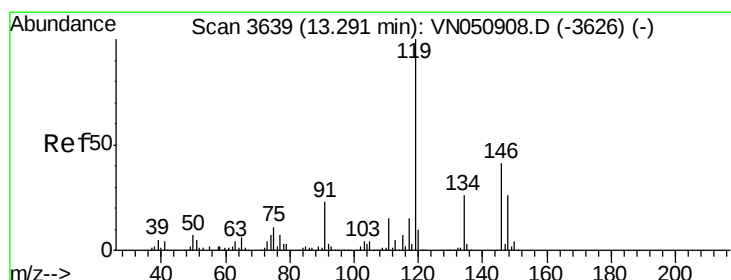
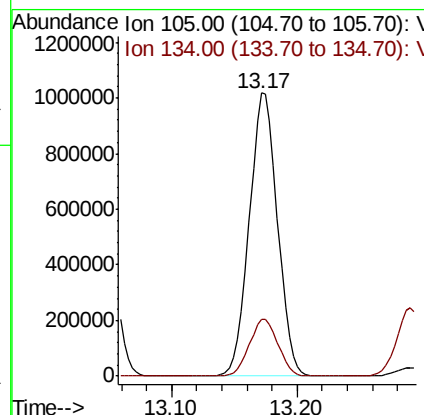
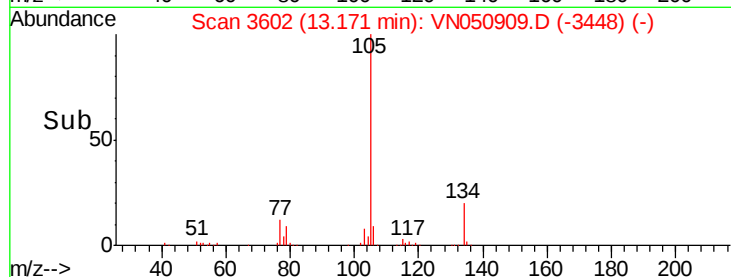
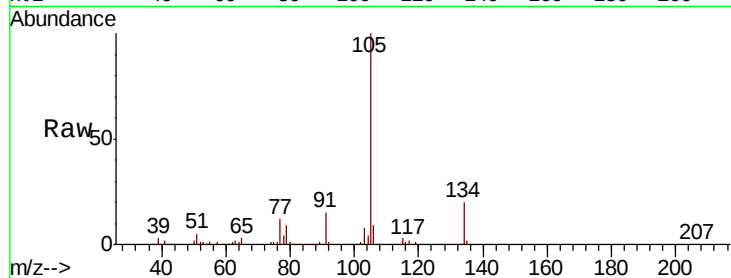
#81
 sec-Butylbenzene
 Concen: 52.53 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:105 Resp: 1592930
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.8

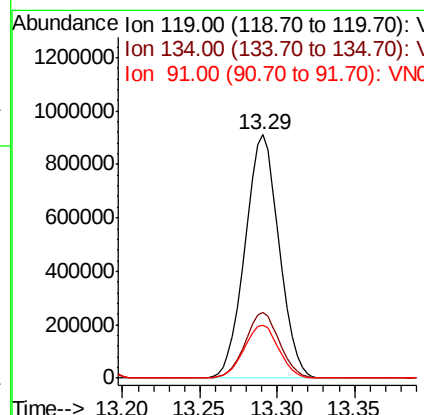
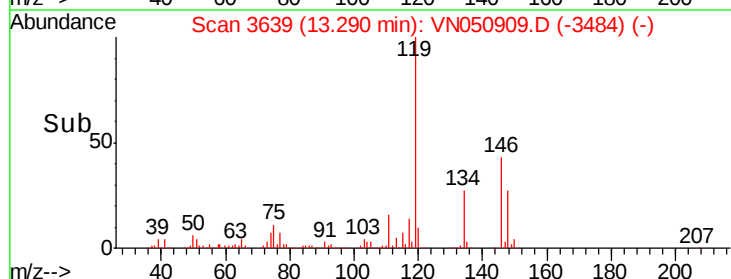
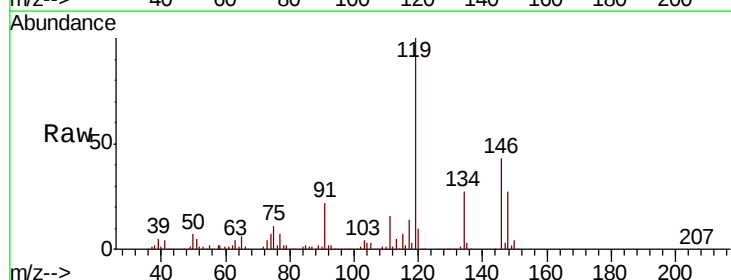
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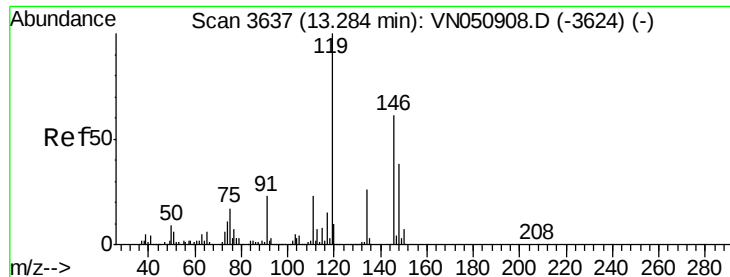
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#82
 p-Isopropyltoluene
 Concen: 53.23 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:119 Resp: 1393311
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.2
 91 22.2 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 52.97 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

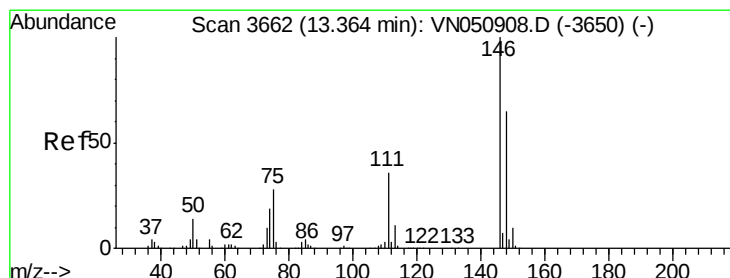
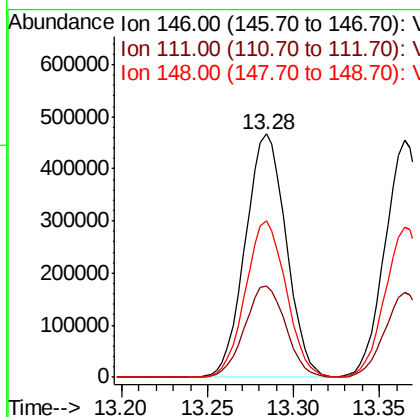
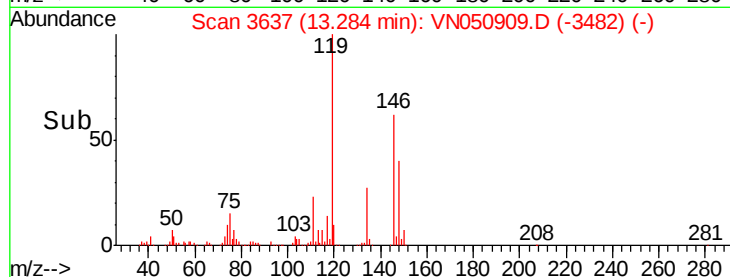
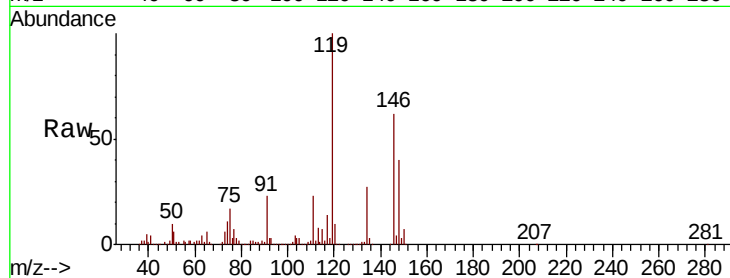
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	769462
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.6	55.6
148	64.0	31.8	95.3

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#84

1,4-Dichlorobenzene

Concen: 53.42 ug/l

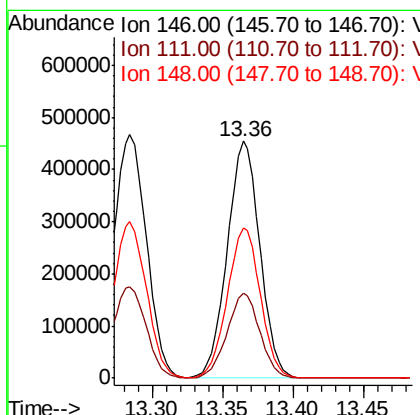
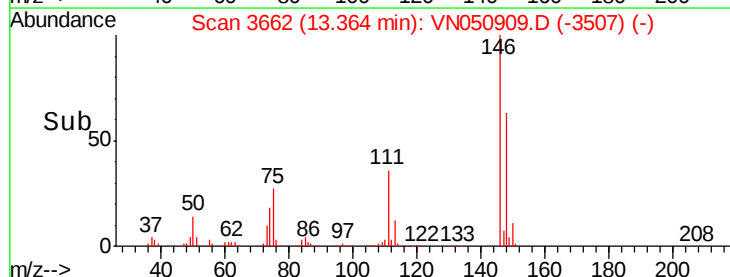
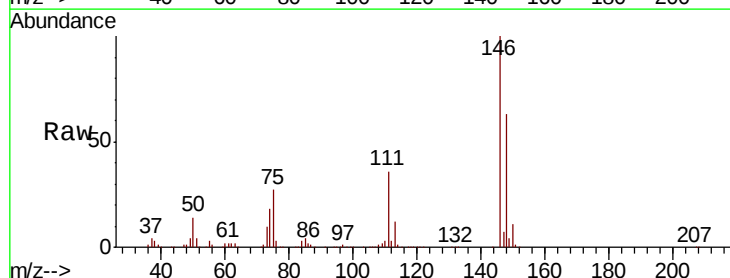
RT: 13.36 min Scan# 3662

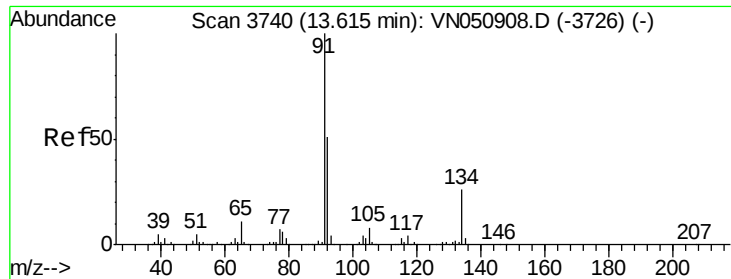
Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Tgt Ion:	146	Resp:	735262
Ion Ratio	Lower	Upper	
146	100		
111	35.8	17.7	53.1
148	64.1	31.6	94.8





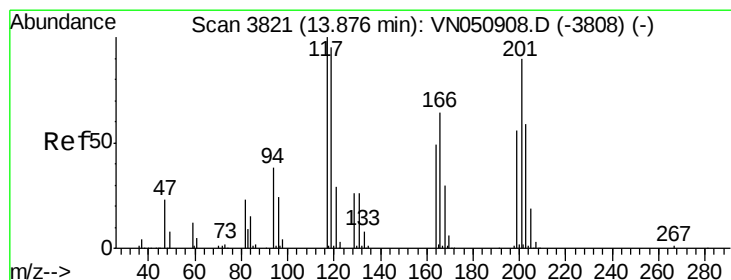
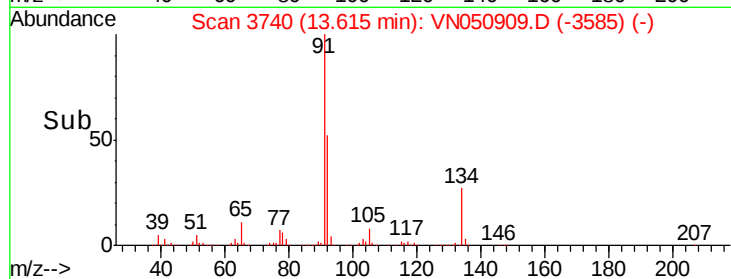
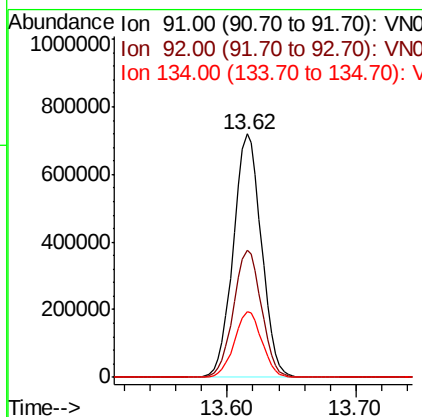
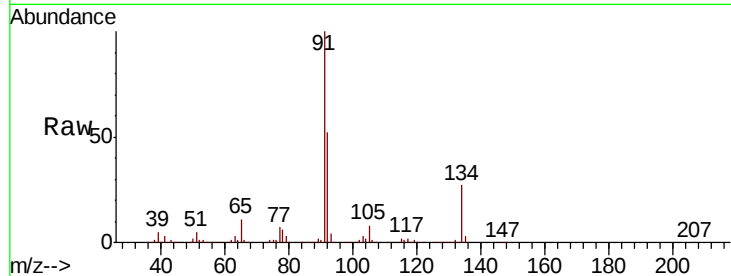
#85
n-Butylbenzene
Concen: 54.48 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	101.8
134	26.6	0.0	52.2

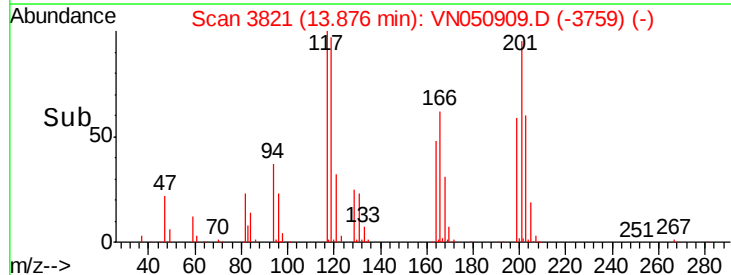
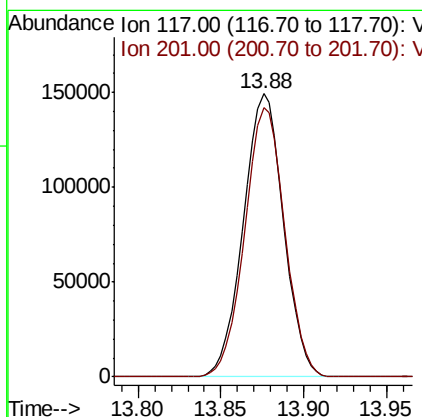
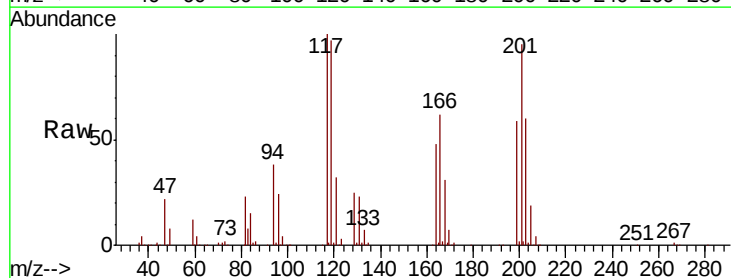
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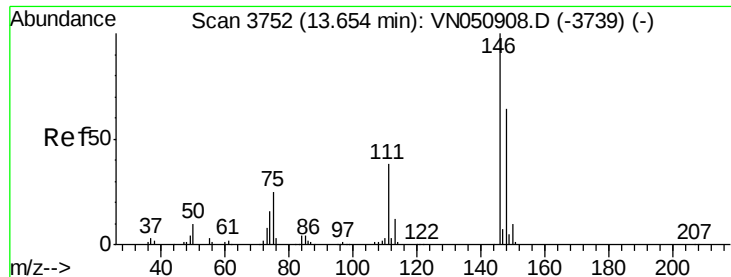
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#86
Hexachloroethane
Concen: 50.04 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	45.8	137.4





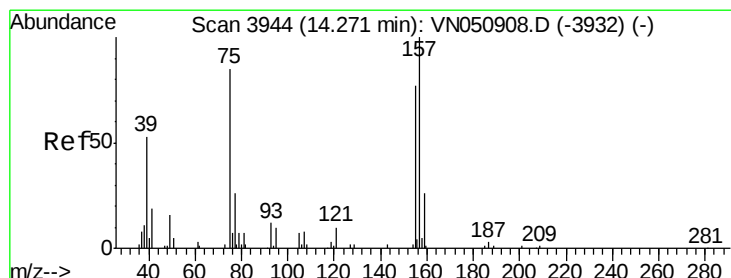
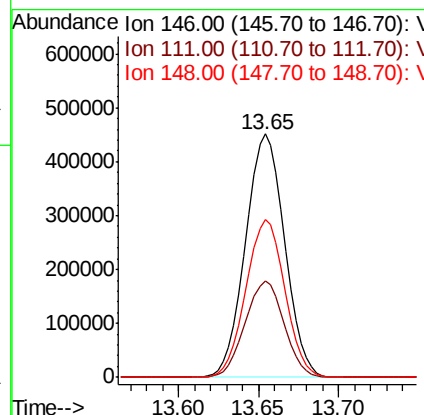
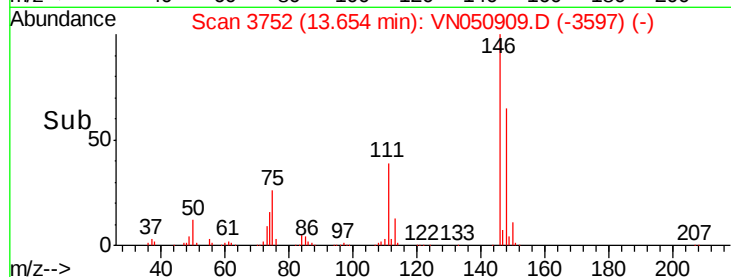
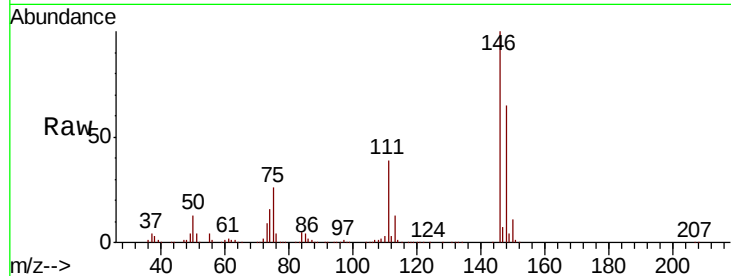
#87
 1,2-Dichlorobenzene
 Concen: 52.64 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.1
148	64.6	31.9	95.9

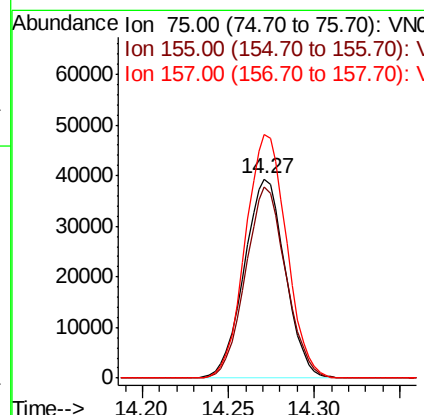
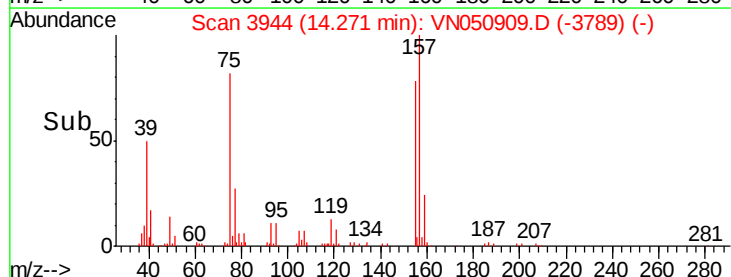
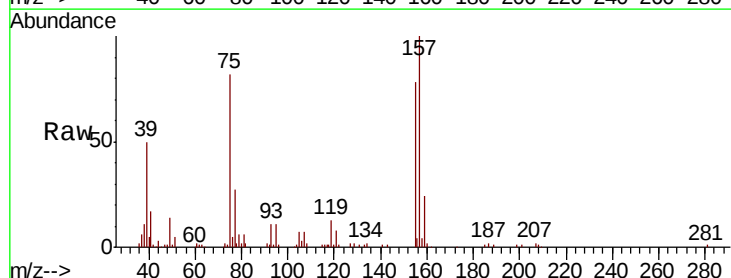
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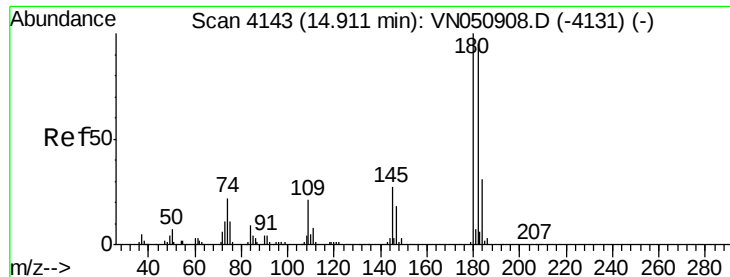
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 52.84 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	71.8	107.6
157	122.6	91.1	136.7





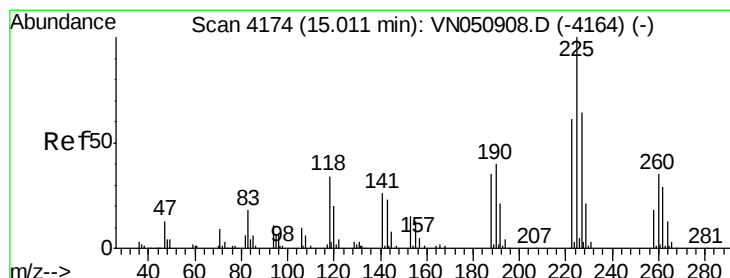
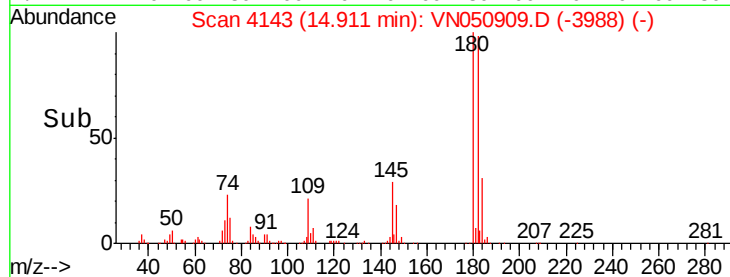
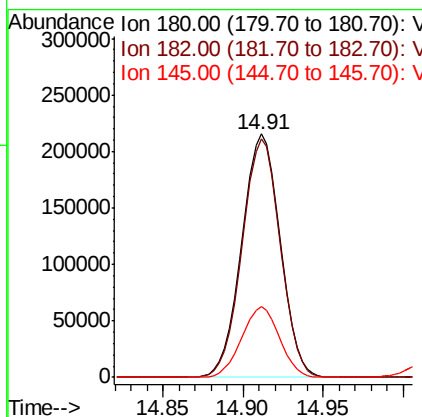
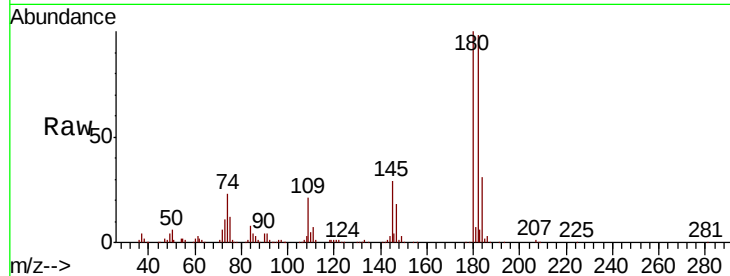
#89
 1,2,4-Trichlorobenzene
 Concen: 55.38 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	180	Resp:	352496
Ion Ratio	Lower	Upper	
180	100		
182	97.2	76.2	114.4
145	28.7	22.2	33.4

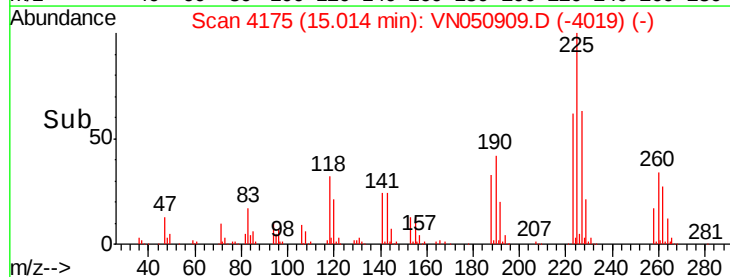
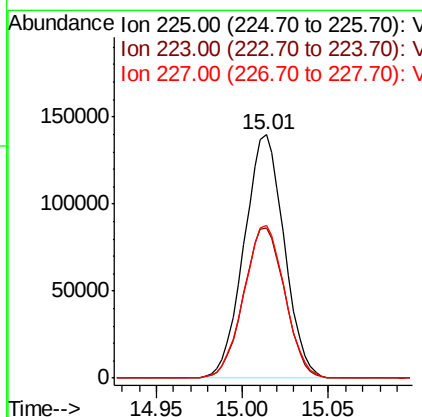
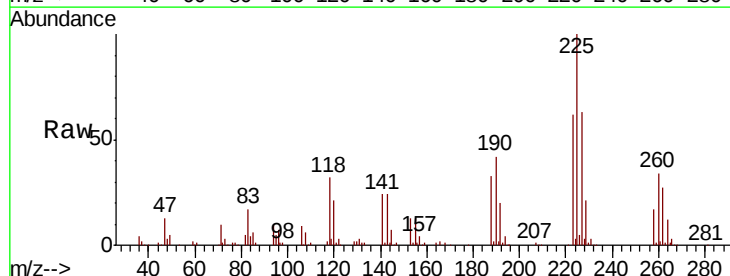
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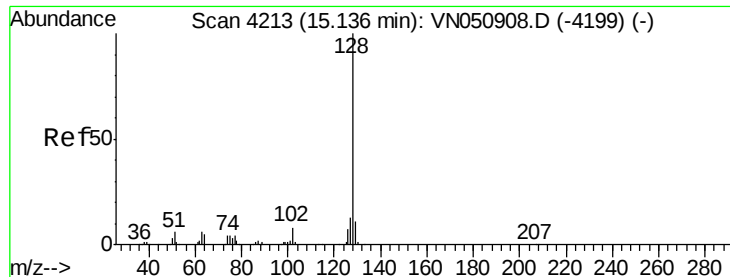
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#90
 Hexachlorobutadiene
 Concen: 52.27 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:	225	Resp:	226059
Ion Ratio	Lower	Upper	
225	100		
223	63.1	0.0	127.8
227	64.1	0.0	128.4





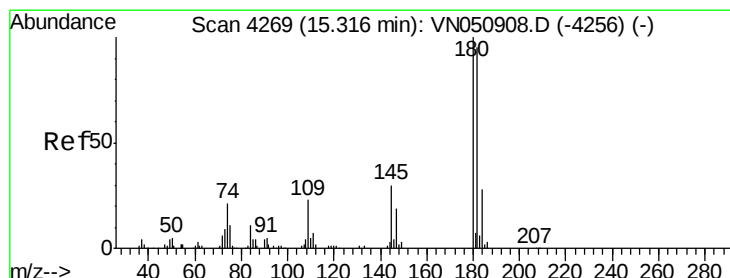
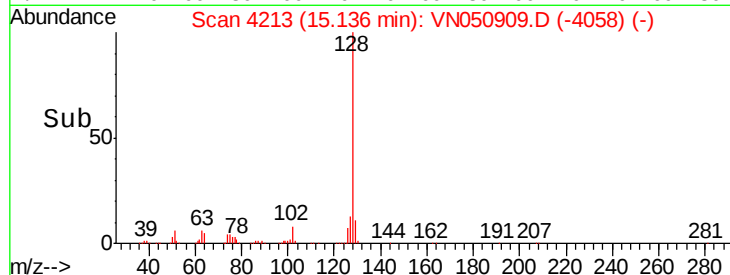
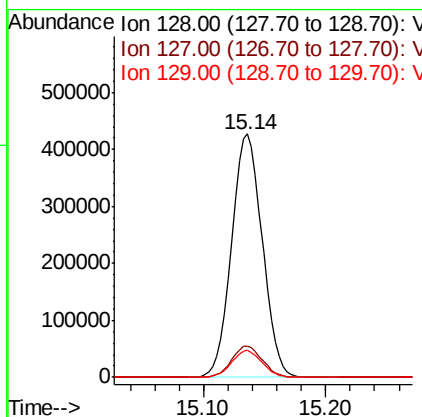
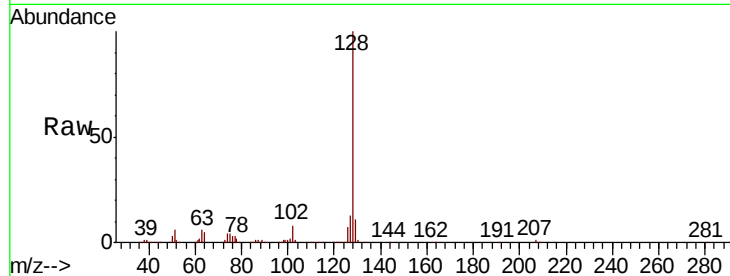
#91
Naphthalene
Concen: 54.76 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 54.40 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	192.8
145	30.3	0.0	60.0

