

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051003.D
 Acq On : 4 Sep 2018 8:15
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:01 PM

Quant Time: Sep 05 01:14:34 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	626342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	849924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	345301	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
35) Dibromofluoromethane	7.59	113	337622	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1270121	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	435545	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379954	45.33	ug/l	99
3) Chloromethane	2.06	50	423396	40.95	ug/l	100
4) Vinyl Chloride	2.18	62	432535	44.17	ug/l	100
5) Bromomethane	2.56	94	235776	42.19	ug/l	99
6) Chloroethane	2.70	64	253206	44.75	ug/l	98
7) Trichlorofluoromethane	3.01	101	582483	46.45	ug/l	99
8) Diethyl Ether	3.41	74	197353	46.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	372763	47.58	ug/l	99
10) Methyl Iodide	3.95	142	267509	40.31	ug/l	100
11) Tert butyl alcohol	4.78	59	97255	202.55	ug/l	99
12) 1,1-Dichloroethene	3.73	96	323754	46.02	ug/l	98
13) Acrolein	3.61	56	47827	176.27	ug/l	99
14) Allyl chloride	4.32	41	512584	46.76	ug/l	99
15) Acrylonitrile	4.99	53	552634	226.47	ug/l	99
16) Acetone	3.82	43	454982	254.95	ug/l	99
17) Carbon Disulfide	4.05	76	951098	40.33	ug/l	100
18) Methyl Acetate	4.32	43	361098	50.72	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	850229	48.05	ug/l	100
20) Methylene Chloride	4.55	84	370584	43.61	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	348057	45.74	ug/l	98
22) Diisopropyl ether	5.95	45	1086382	49.73	ug/l	98
23) Vinyl Acetate	5.90	43	3159604	224.59	ug/l	99
24) 1,1-Dichloroethane	5.85	63	649689	46.32	ug/l	99
25) 2-Butanone	6.83	43	625398	205.81	ug/l	99
26) 2,2-Dichloropropane	6.82	77	537281	47.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	391905	47.78	ug/l	100
28) Bromochloromethane	7.19	49	281907	47.30	ug/l	99
29) Tetrahydrofuran	7.21	42	389677	223.67	ug/l	100
30) Chloroform	7.37	83	650342	46.83	ug/l	100
31) Cyclohexane	7.65	56	579570	45.51	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	561013	47.03	ug/l	99
36) 1,1-Dichloropropene	7.79	75	499444	49.80	ug/l	99
37) Ethyl Acetate	6.93	43	254296	44.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	502438	49.56	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	563559	51.94	ug/l	98
40) Benzene	8.04	78	1495800	49.46	ug/l	100
41) Methacrylonitrile	7.17	41	155785	49.96	ug/l	96
42) 1,2-Dichloroethane	8.12	62	439354	48.59	ug/l	99
43) Isopropyl Acetate	8.16	43	463331	46.77	ug/l #	86
44) Trichloroethene	8.83	130	399102	50.04	ug/l	97
45) 1,2-Dichloropropane	9.12	63	395768	49.79	ug/l	99
46) Dibromomethane	9.21	93	226202	48.43	ug/l	98
47) Bromodichloromethane	9.40	83	497281	50.84	ug/l	99
48) Methyl methacrylate	9.20	41	239322	47.41	ug/l	98
49) 1,4-Dioxane	9.20	88	63839	927.62	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1318920	223.12	ug/l	99
52) Toluene	10.15	92	932807	52.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	484728	49.78	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	576570	51.71	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	323499	48.65	ug/l	99
56) Ethyl methacrylate	10.43	69	378564	44.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	545234	49.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	811235	216.63	ug/l	99
59) 2-Hexanone	10.75	43	884046	224.65	ug/l	99
60) Dibromochloromethane	10.90	129	381171	51.20	ug/l	99
61) 1,2-Dibromoethane	11.00	107	313581	48.77	ug/l	99
64) Tetrachloroethene	10.63	164	372533	49.42	ug/l	100
65) Chlorobenzene	11.43	112	1034513	49.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	384684	50.69	ug/l	100
67) Ethyl Benzene	11.51	91	1757252	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1377503	107.62	ug/l	100
69) o-Xylene	11.95	106	658709	53.53	ug/l	98
70) Styrene	11.96	104	1059837	48.90	ug/l	100
71) Bromoform	12.13	173	261458	50.10	ug/l #	99
73) Isopropylbenzene	12.25	105	1759285	51.18	ug/l	100
74) N-amyl acetate	12.07	43	380026	44.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395801	48.24	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	330122m	45.40	ug/l	
77) Bromobenzene	12.53	156	448911	48.05	ug/l	96
78) n-propylbenzene	12.59	91	2015362	52.48	ug/l	99
79) 2-Chlorotoluene	12.67	91	1190157	49.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1459776	52.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	96626	44.92	ug/l	98
82) 4-Chlorotoluene	12.77	91	1197243	50.70	ug/l	100
83) tert-Butylbenzene	12.99	119	1265532	52.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1481856	53.11	ug/l	99
85) sec-Butylbenzene	13.17	105	1686434	53.58	ug/l	100
86) p-Isopropyltoluene	13.29	119	1503163	56.04	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	792902	50.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	761789	48.82	ug/l	100
89) n-Butylbenzene	13.61	91	1197652	55.83	ug/l	100
90) Hexachloroethane	13.87	117	254944	49.88	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	756145	49.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53062	42.98	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	350631	44.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	258052	57.07	ug/l	99
95) Naphthalene	15.13	128	616629	38.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333124	45.01	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

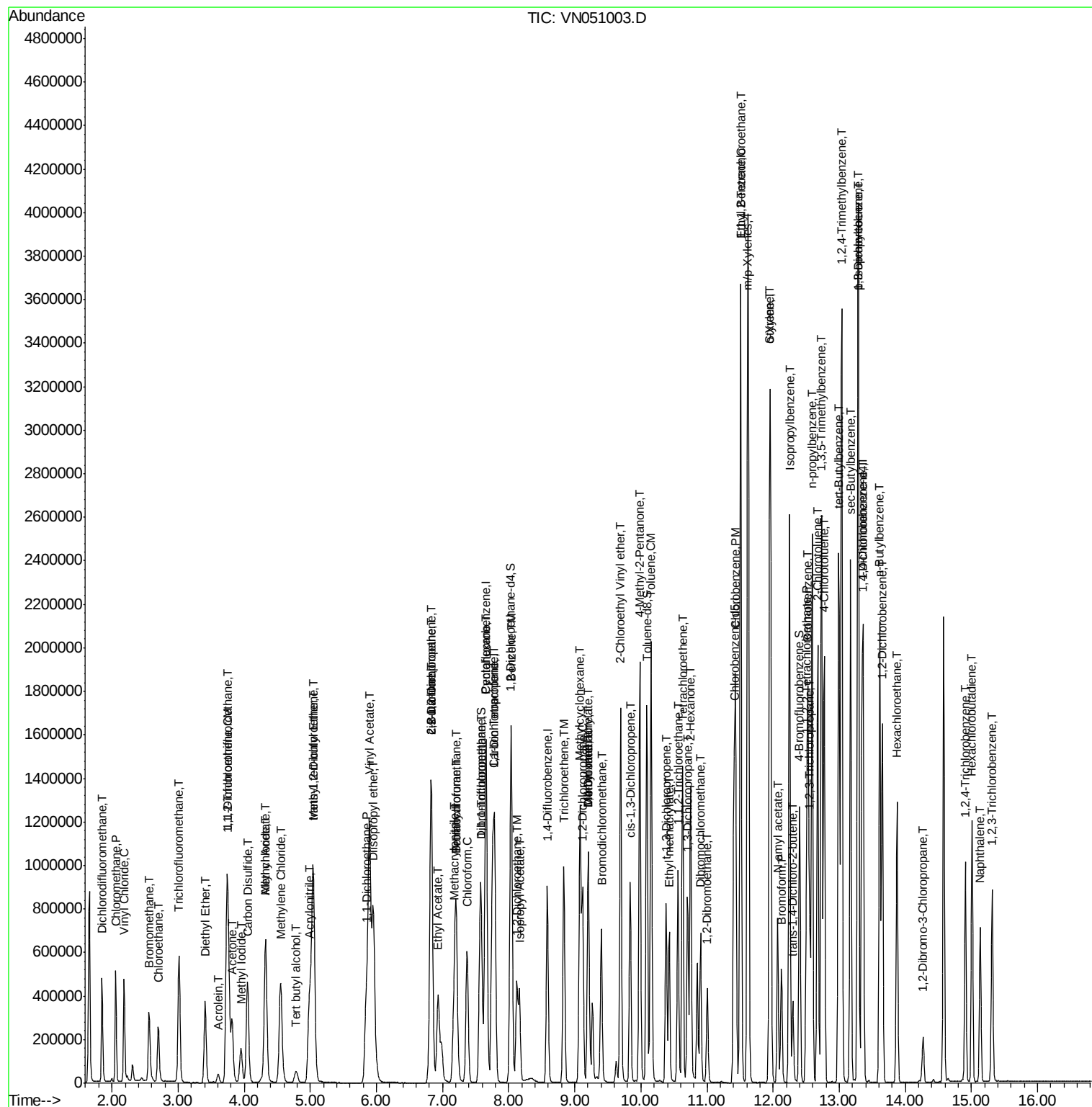
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
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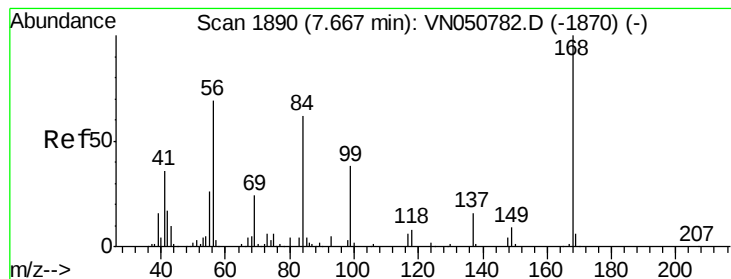
Instrument :
 MSVOA_N
 Client Sample ID :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 626342

Ion Ratio Lower Upper

168 100

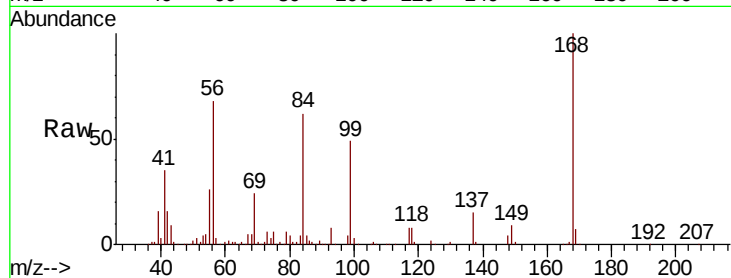
99 48.5 39.6 59.4

Manual Integrations

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9/5/2018 12:00:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

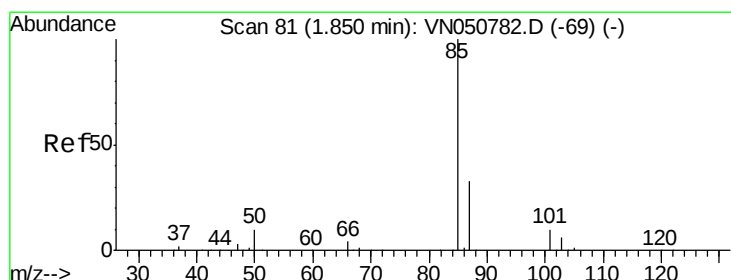
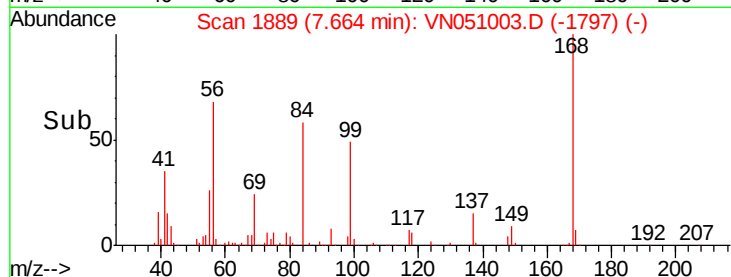
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.33 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051003.D

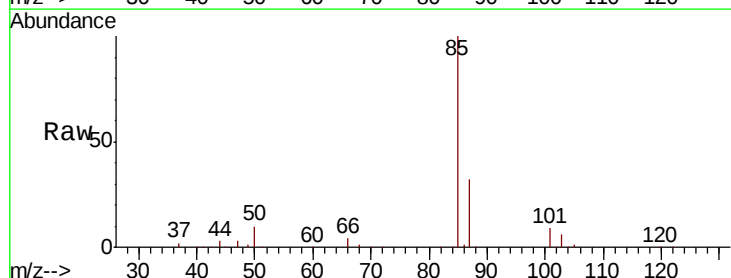
Acq: 4 Sep 2018 8:15

Tgt Ion: 85 Resp: 379954

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

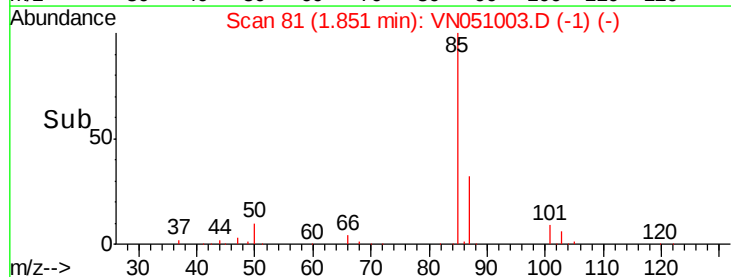
100000

50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 40.95 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 423396

Ion Ratio Lower Upper

50 100

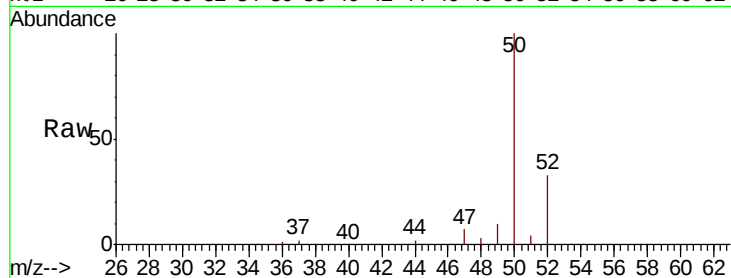
52 32.8 26.3 39.5

Manual Integrations

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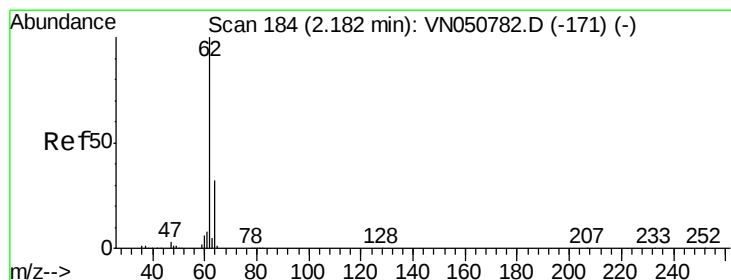
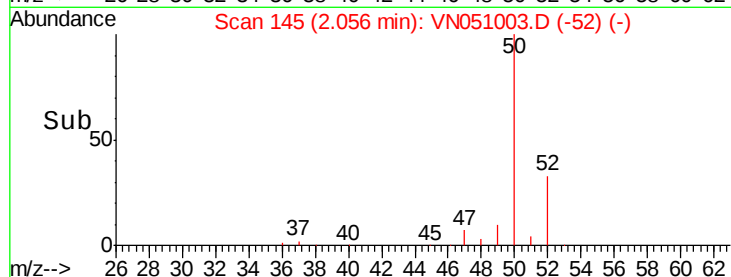
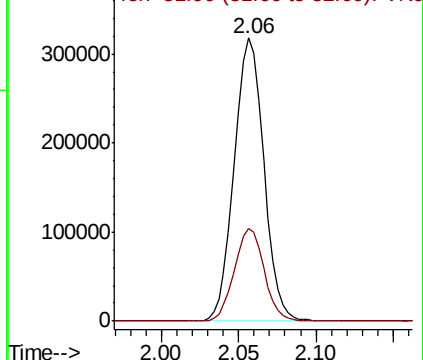
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.17 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN051003.D

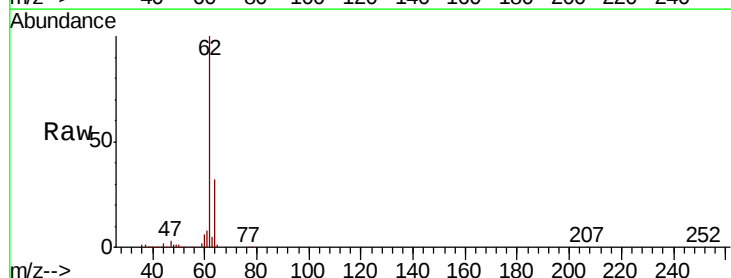
Acq: 4 Sep 2018 8:15

Tgt Ion: 62 Resp: 432535

Ion Ratio Lower Upper

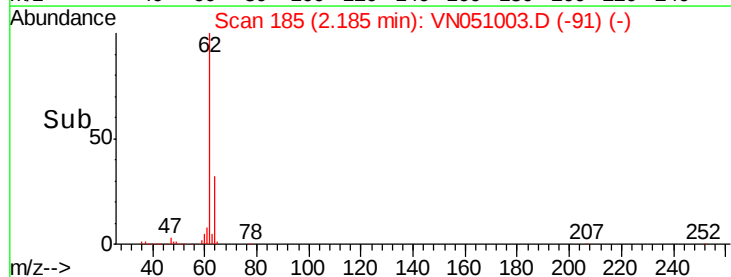
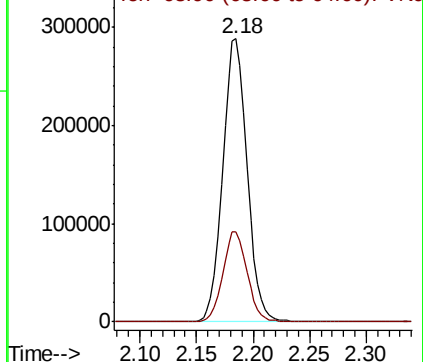
62 100

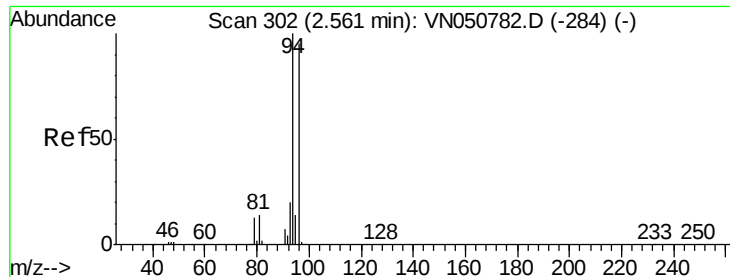
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.19 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 235776

Ion Ratio Lower Upper

94 100

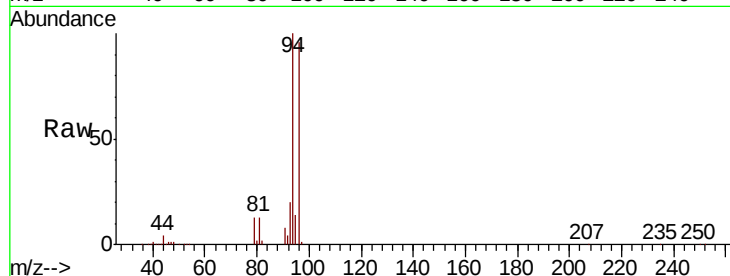
96 95.8 76.2 114.2

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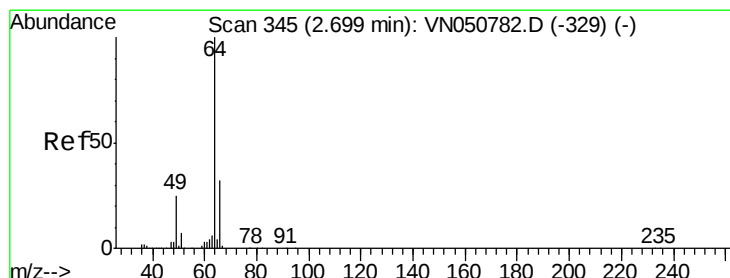
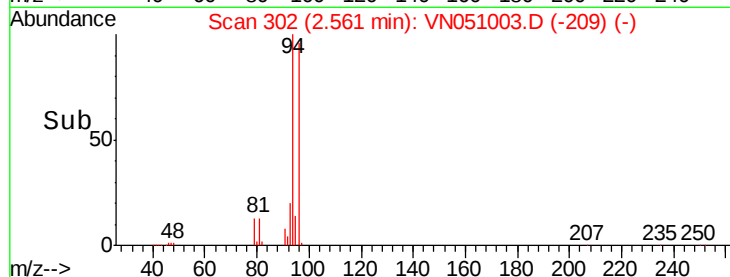
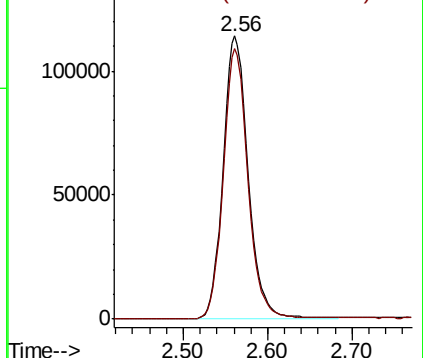
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 44.75 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN051003.D

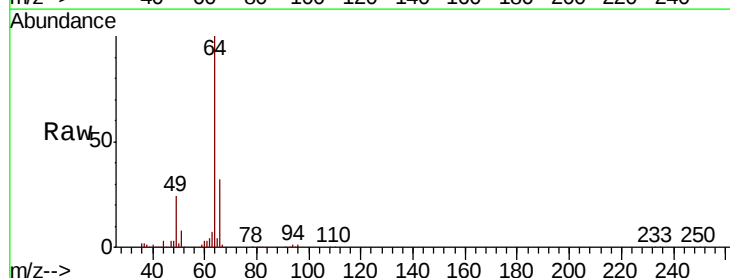
Acq: 4 Sep 2018 8:15

Tgt Ion: 64 Resp: 253206

Ion Ratio Lower Upper

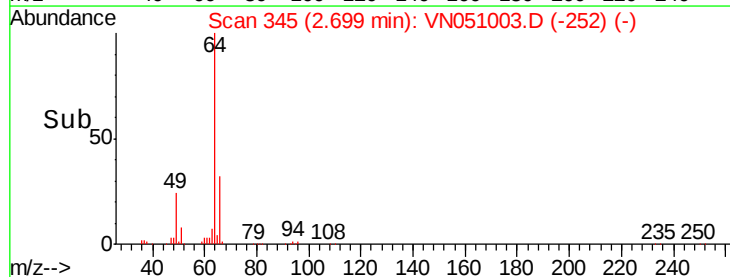
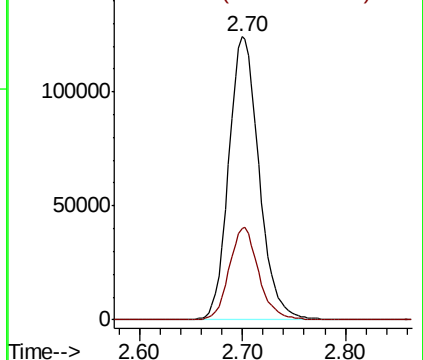
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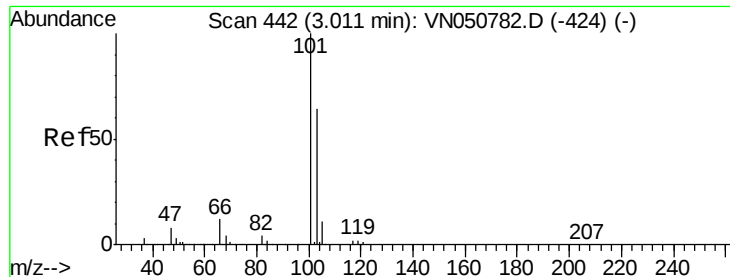
66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 46.45 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 582483

Ion Ratio Lower Upper

101 100

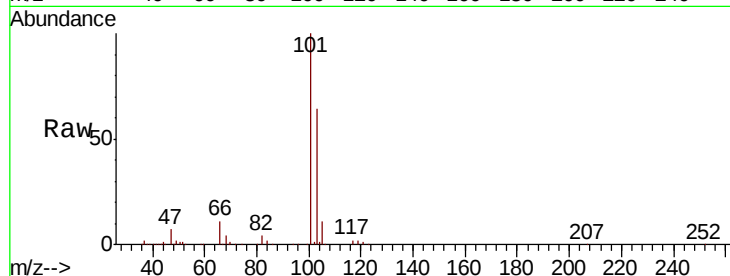
103 64.0 51.6 77.4

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

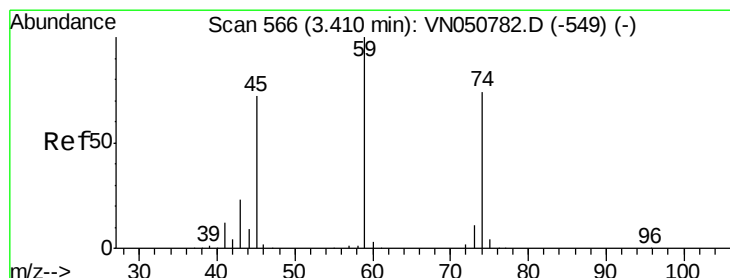
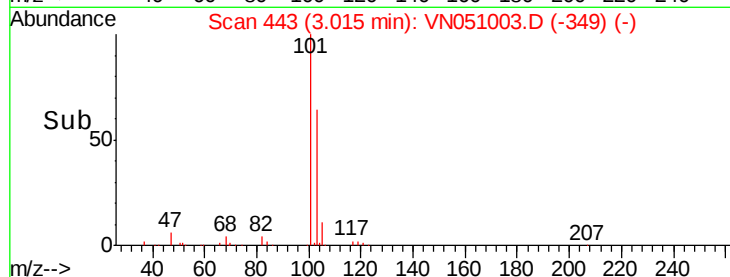
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 46.28 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN051003.D

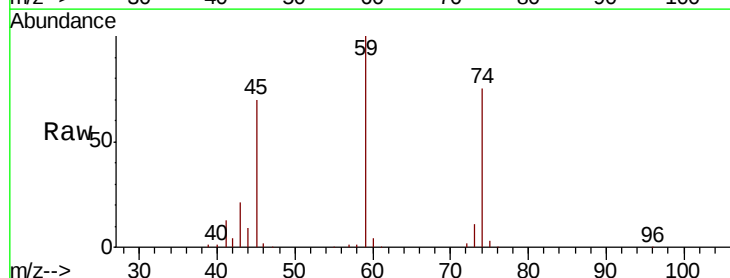
Acq: 4 Sep 2018 8:15

Tgt Ion: 74 Resp: 197353

Ion Ratio Lower Upper

74 100

45 93.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

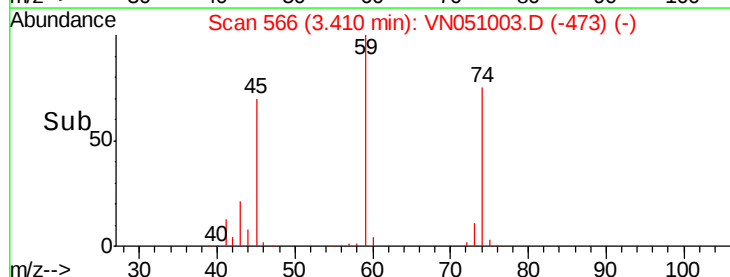
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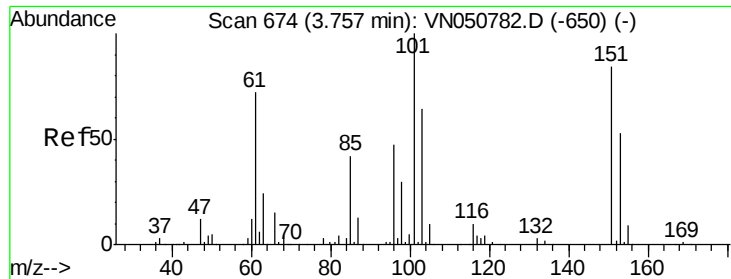
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Time-->





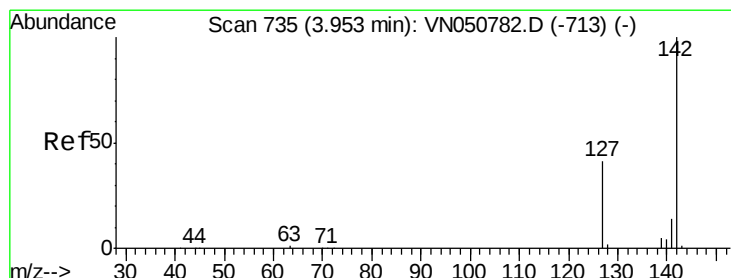
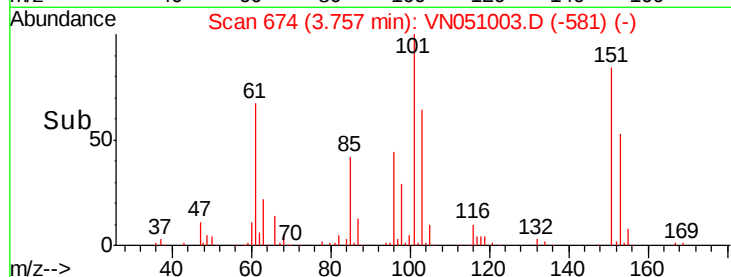
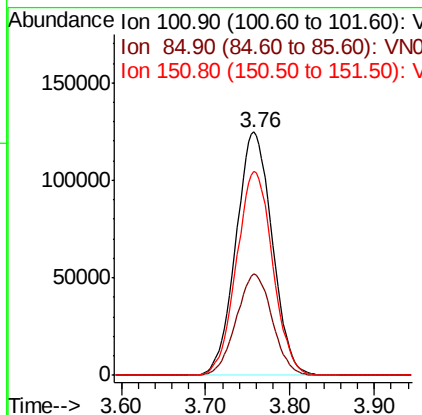
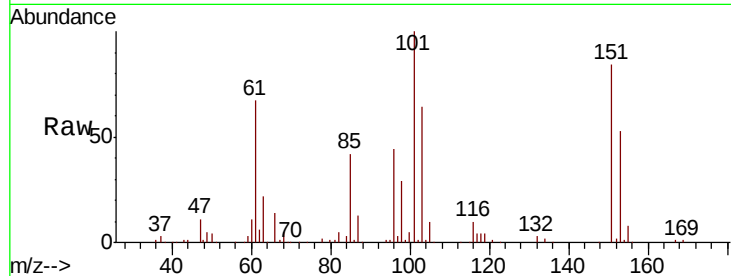
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.58 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	372763		
85	41.4	33.7	50.5	
151	83.7	67.4	101.2	

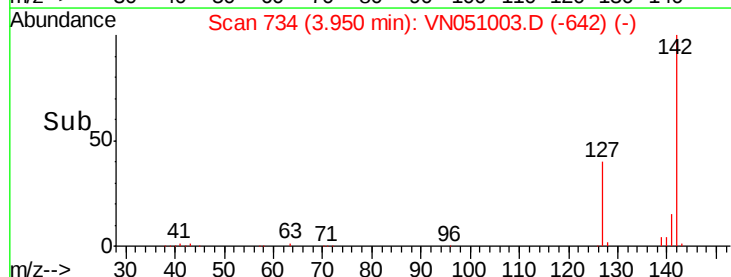
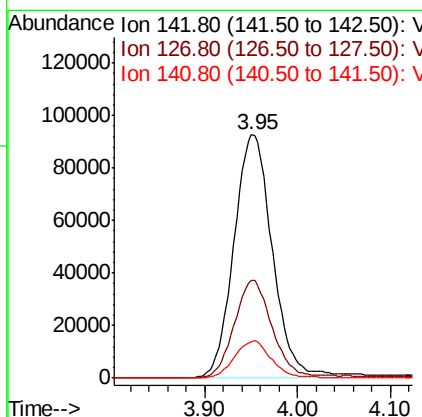
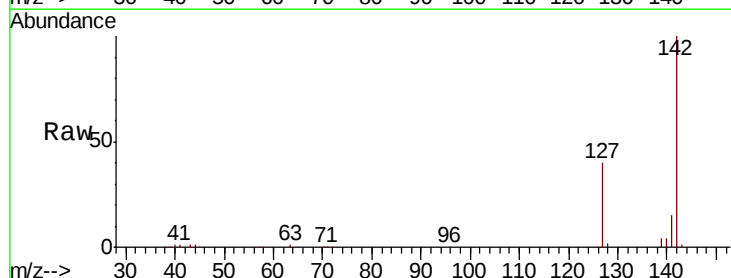
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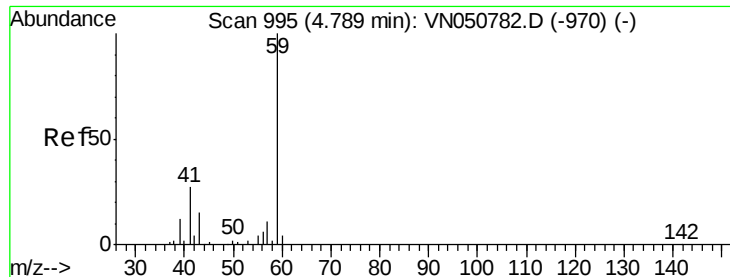
MMDadoda
 9/5/2018 12:00:01 PM



#10
 Methyl Iodide
 Concen: 40.31 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	267509		
127	39.8	31.7	47.5	
141	14.6	11.4	17.0	





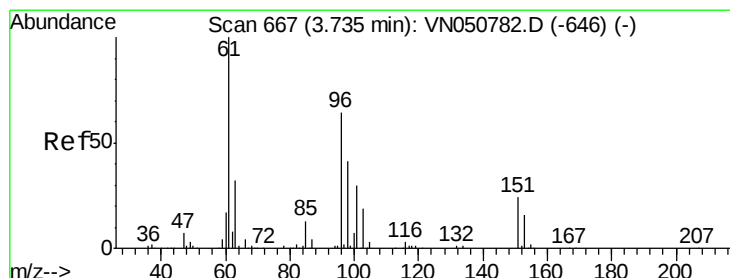
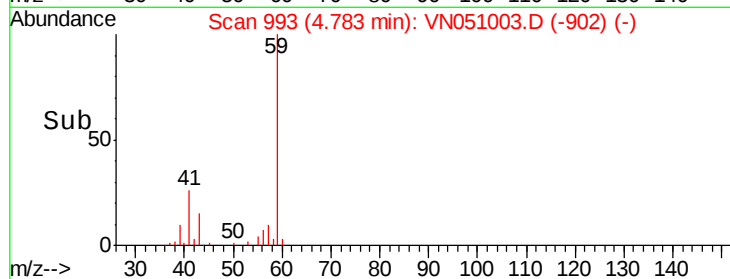
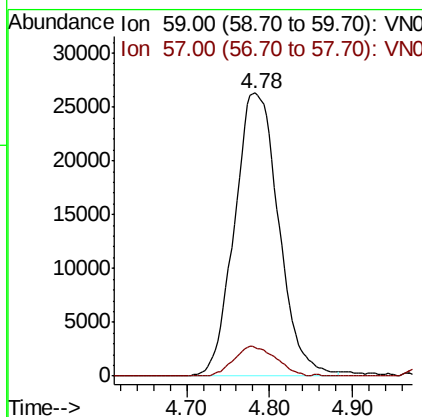
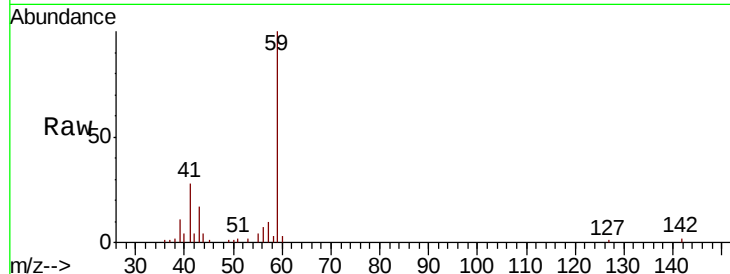
#11
Tert butyl alcohol
Concen: 202.55 ug/l
RT: 4.78 min Scan# 993
Delta R.T. -0.01 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	Lower	Upper
59	100			
57	10.0	8.3	12.5	

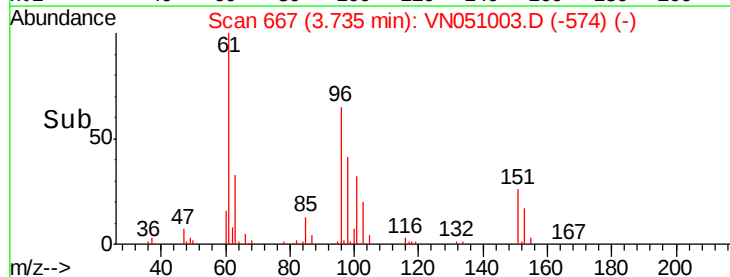
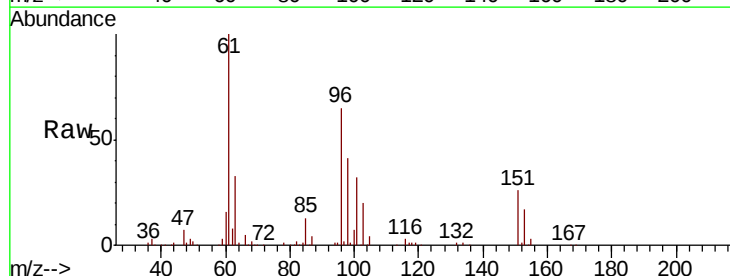
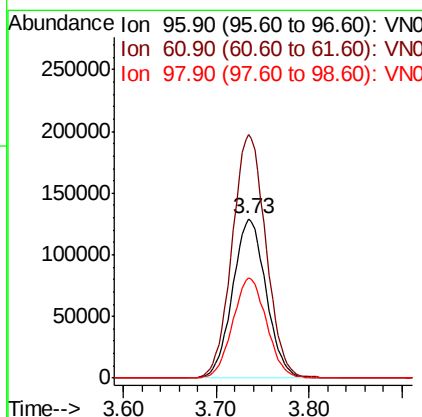
Manual Integrations
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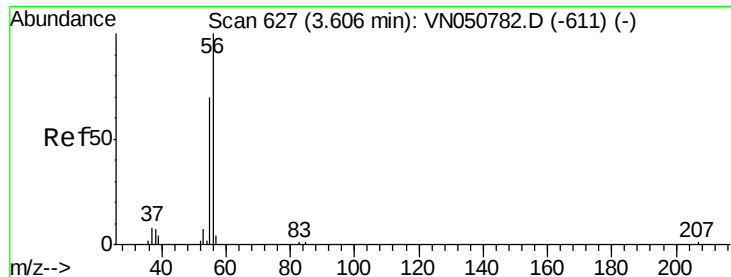
MMDadoda
9/5/2018 12:00:01 PM



#12
1,1-Dichloroethene
Concen: 46.02 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	96	Resp	Lower	Upper
96	100			
61	152.9	124.9	187.3	
98	63.2	51.1	76.7	





#13

Acrolein

Concen: 176.27 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47827

Ion Ratio Lower Upper

56 100

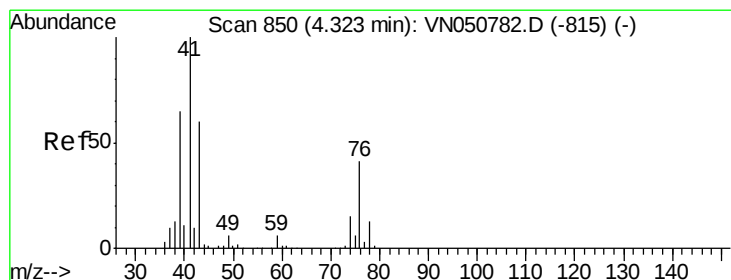
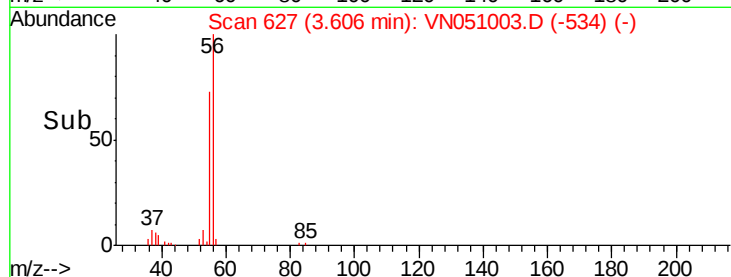
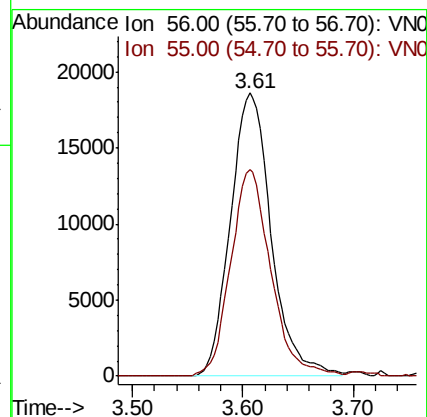
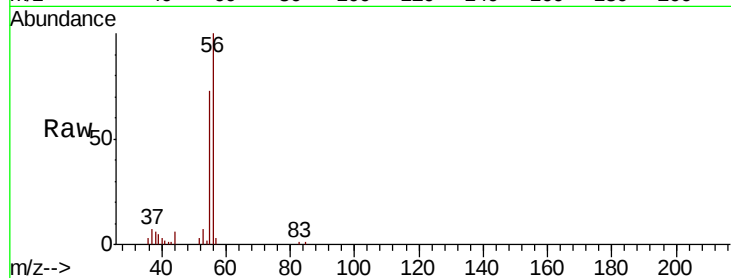
55 71.6 57.7 86.5

Manual Integrations

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9/5/2018 12:00:01 PM



#14

Allyl chloride

Concen: 46.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

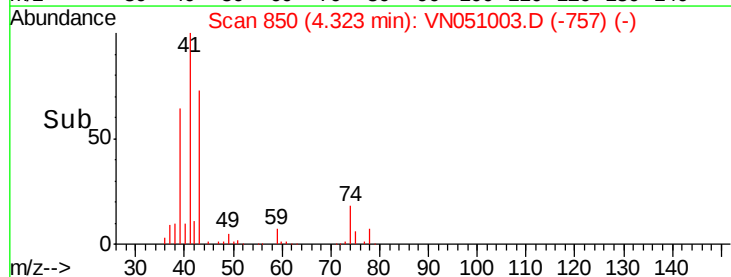
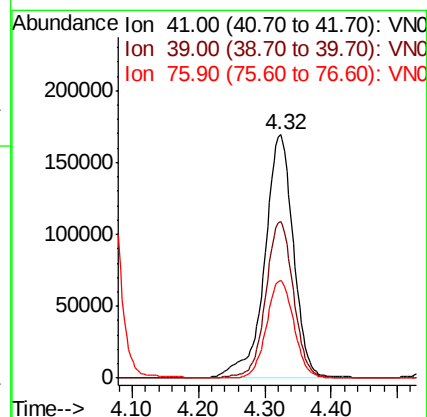
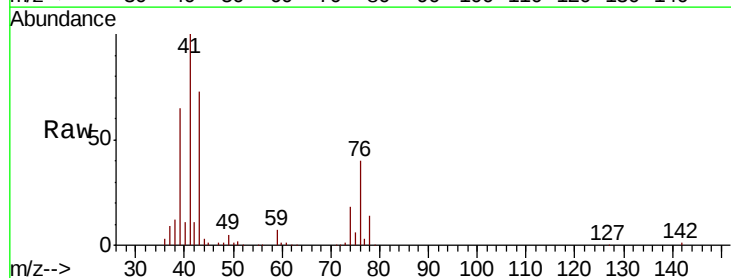
Tgt Ion: 41 Resp: 512584

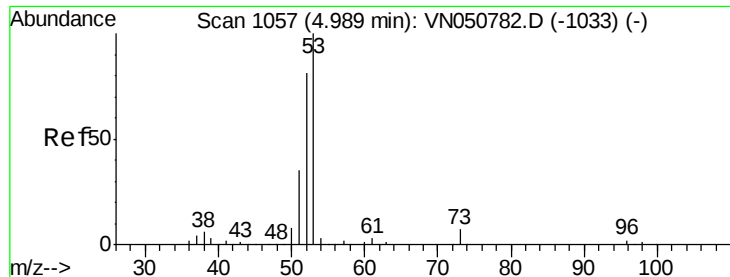
Ion Ratio Lower Upper

41 100

39 62.1 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 226.47 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

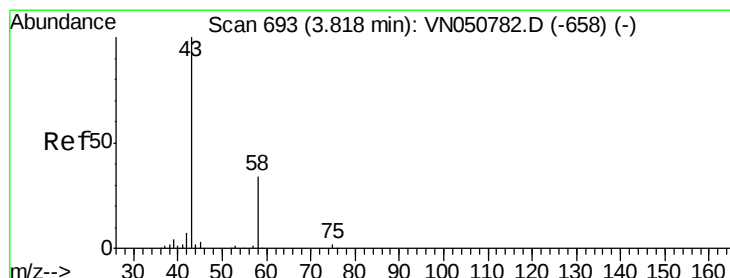
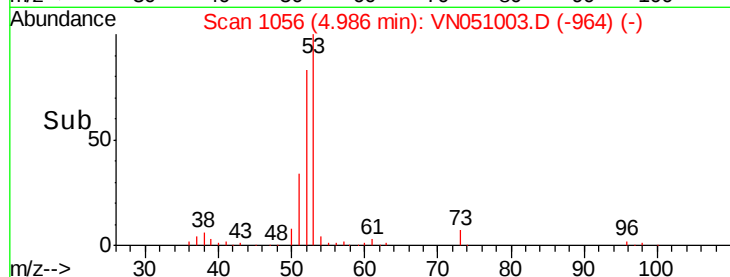
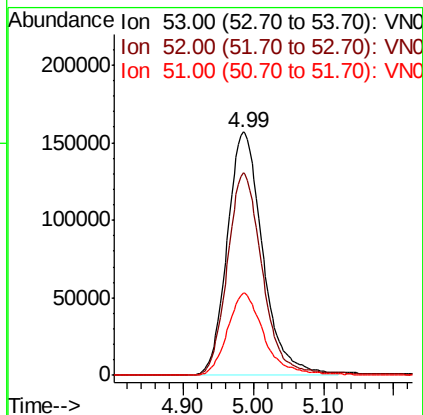
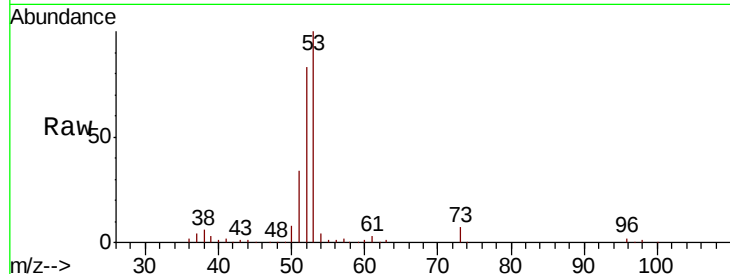
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	552634
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.9	98.9
51	34.6	28.6	43.0

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#16

Acetone

Concen: 254.95 ug/l

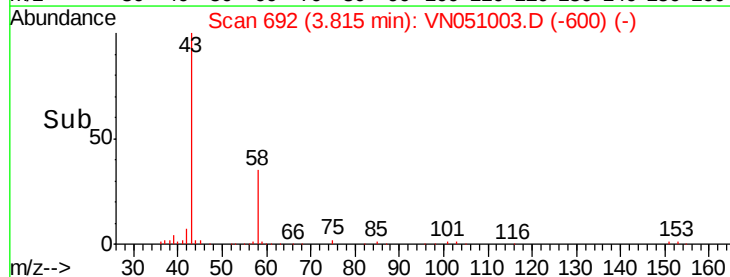
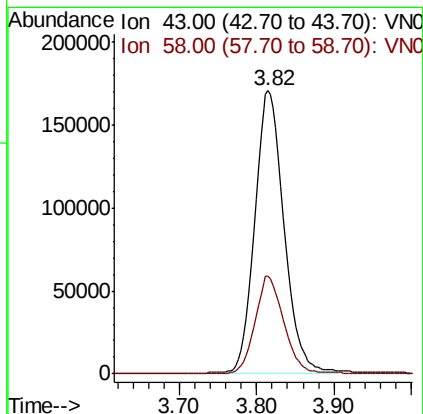
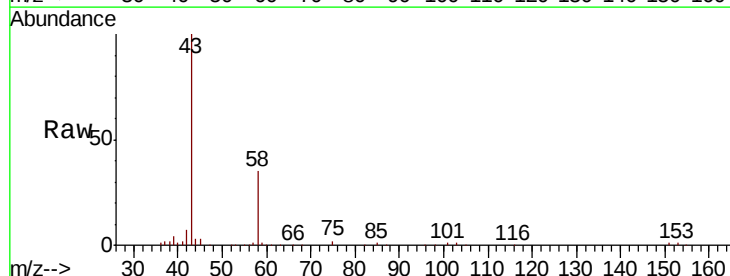
RT: 3.82 min Scan# 692

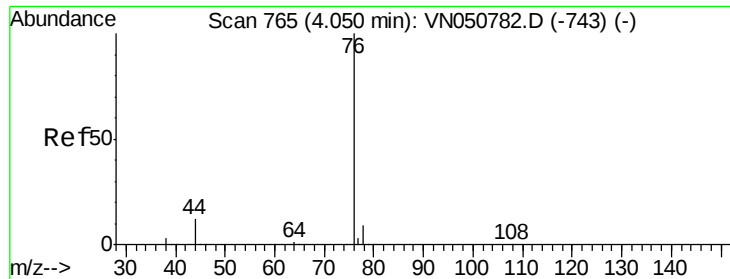
Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion:	43	Resp:	454982
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.2	40.8





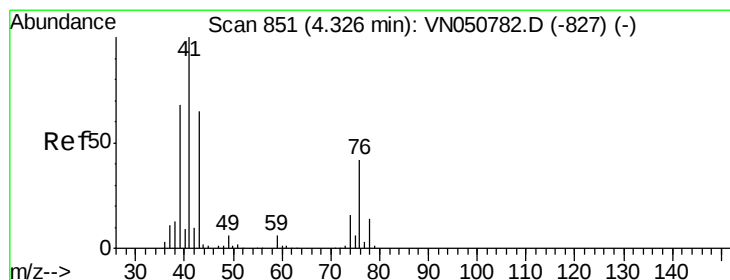
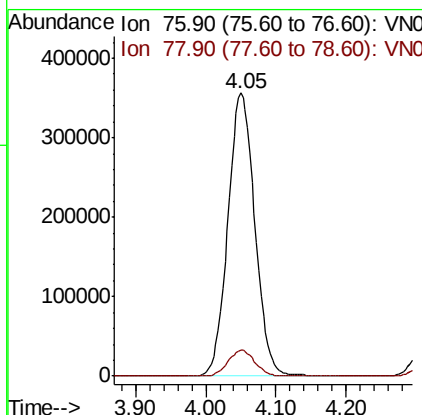
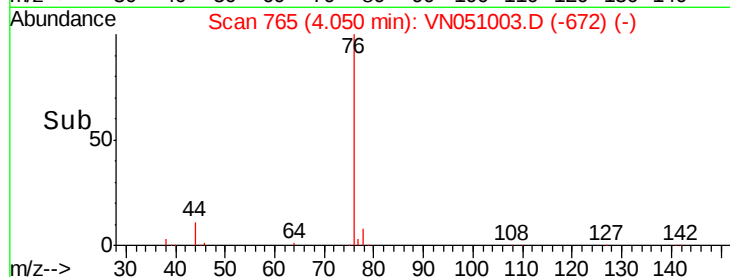
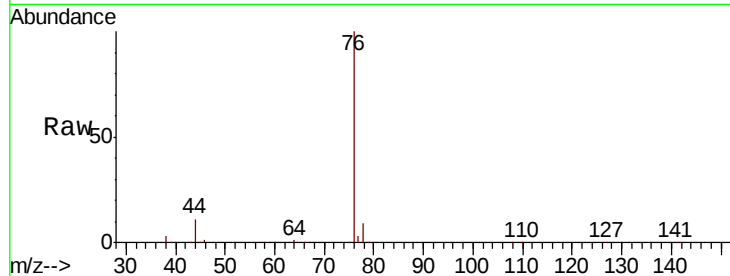
#17
Carbon Disulfide
Concen: 40.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

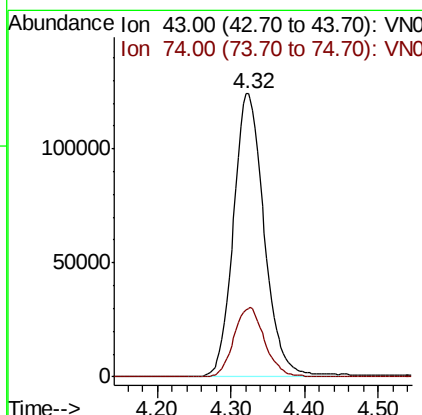
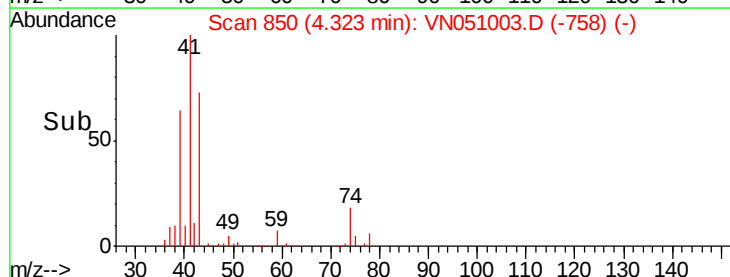
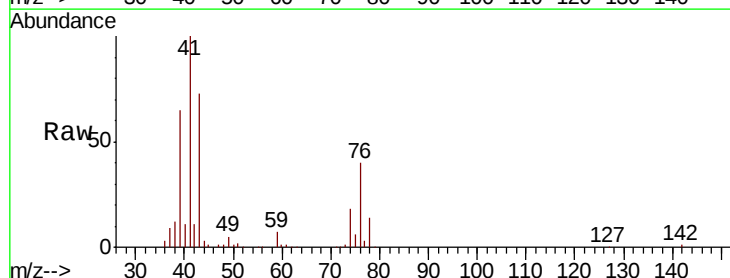
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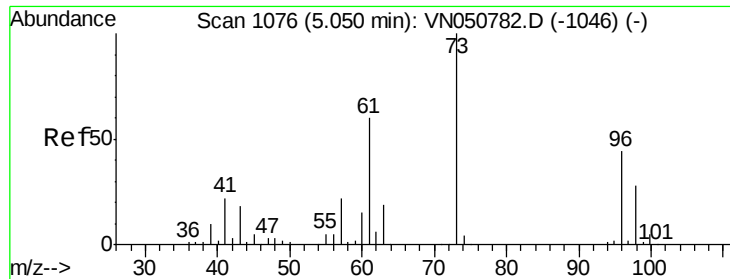
MMDadoda
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#18
Methyl Acetate
Concen: 50.72 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.8	29.8





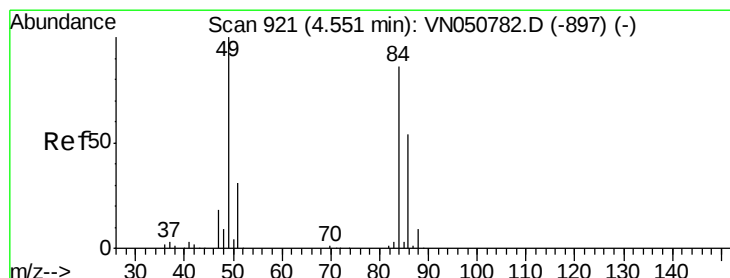
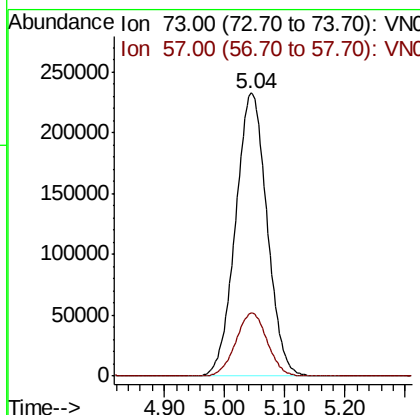
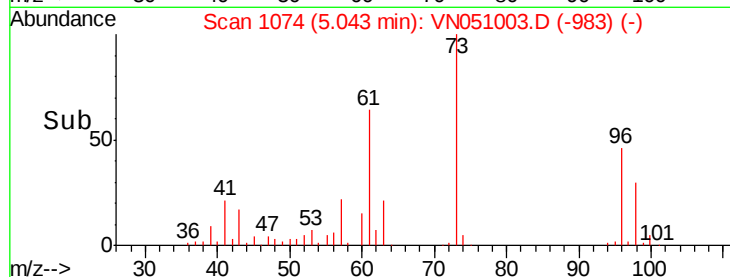
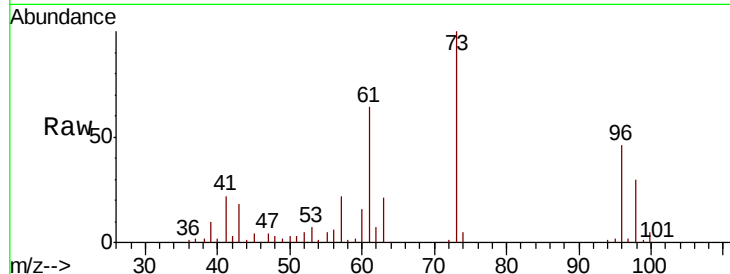
#19
Methvl tert-butvl Ether
Concen: 48.05 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 850229
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8

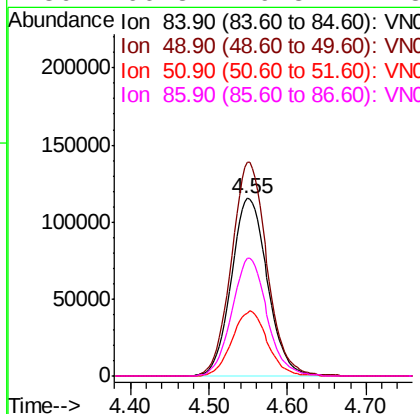
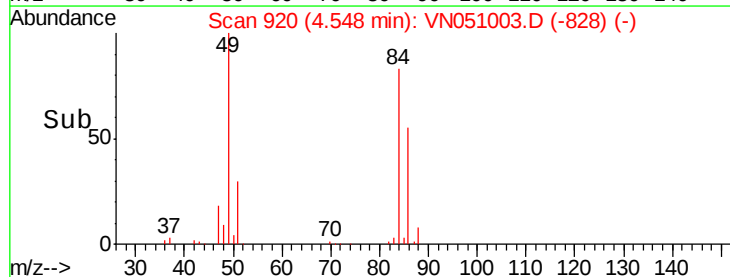
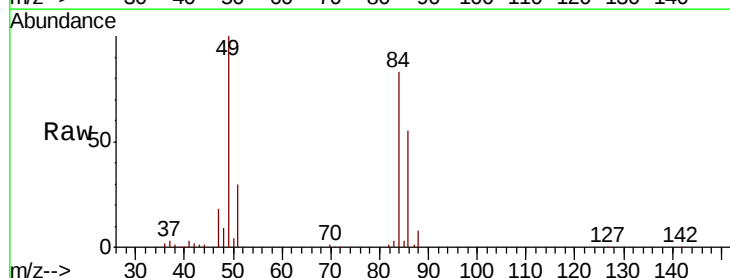
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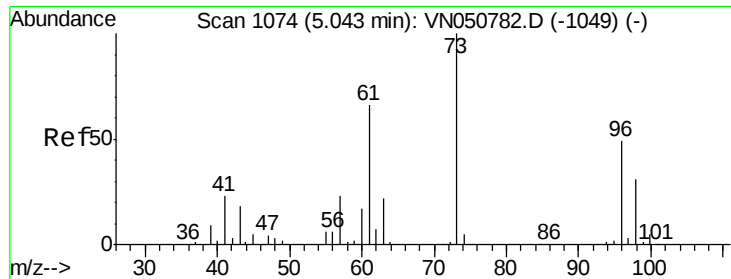
MMDadoda
9/5/2018 12:00:01 PM



#20
Methylene Chloride
Concen: 43.61 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 84 Resp: 370584
Ion Ratio Lower Upper
84 100
49 120.3 93.2 139.8
51 35.5 29.0 43.6
86 66.3 49.8 74.8





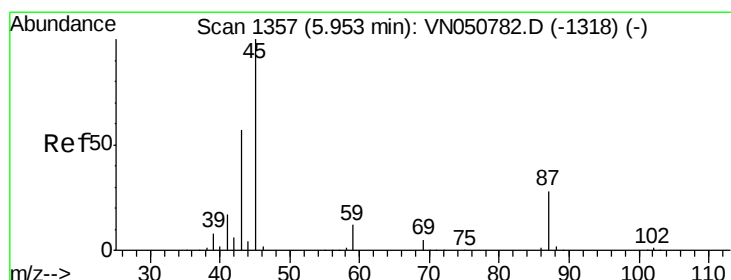
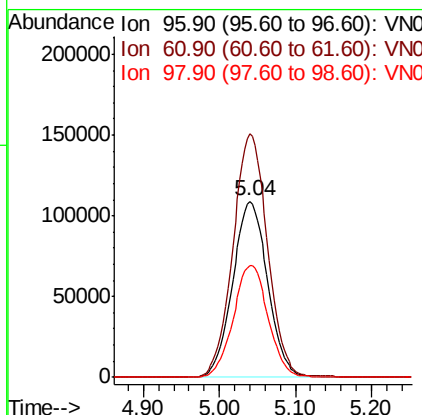
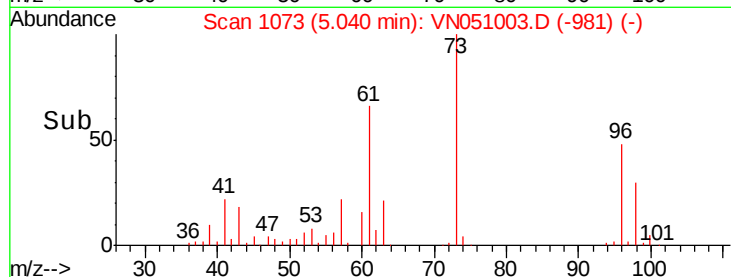
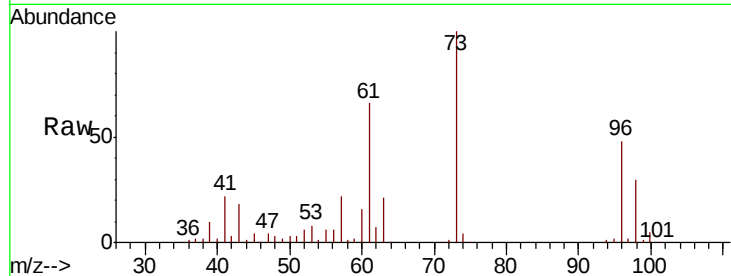
#21
trans-1,2-Dichloroethene
Concen: 45.74 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	107.4	161.0
98	63.6	50.7	76.1

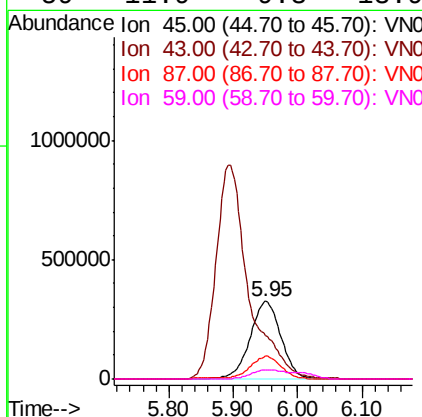
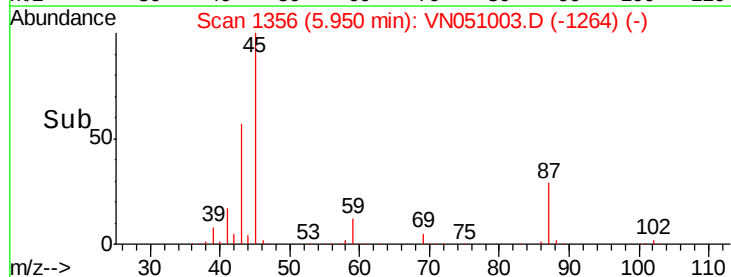
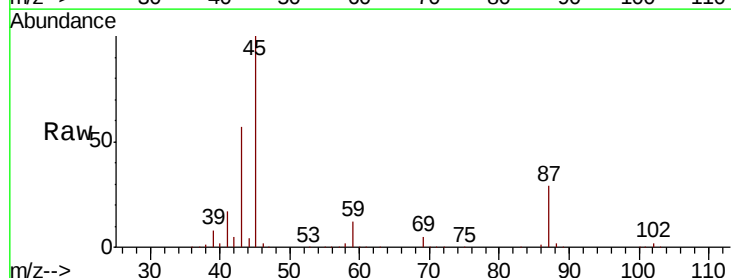
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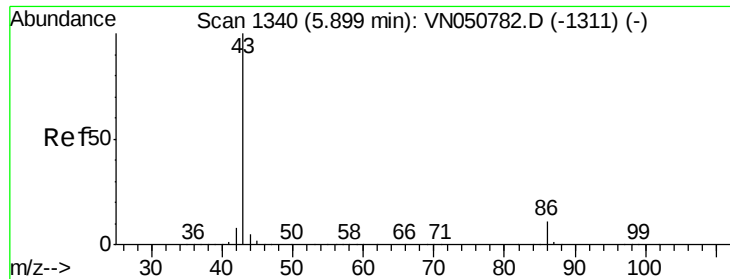
MMDadoda
9/5/2018 12:00:01 PM



#22
Diisopropyl ether
Concen: 49.73 ug/l
RT: 5.95 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.9	68.9
87	29.2	22.7	34.1
59	11.9	9.3	13.9





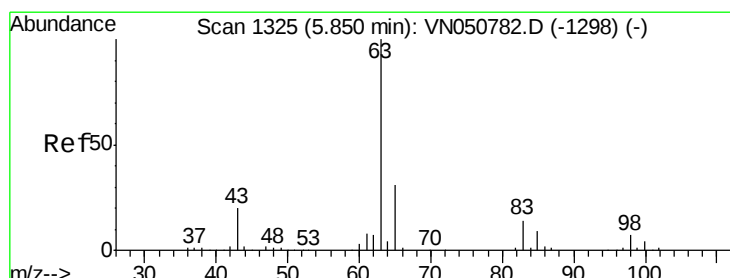
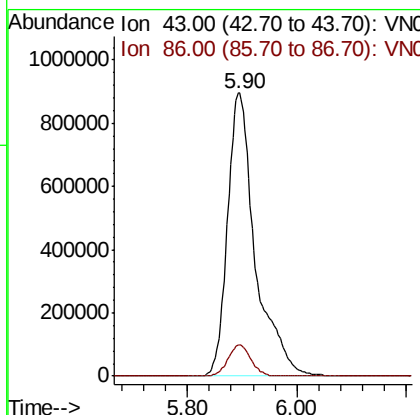
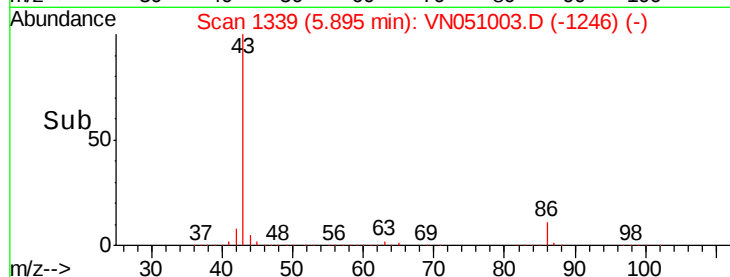
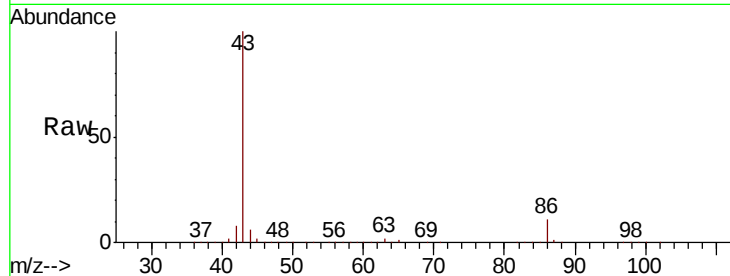
#23
 Vinyl Acetate
 Concen: 224.59 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3159604
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.7 13.1

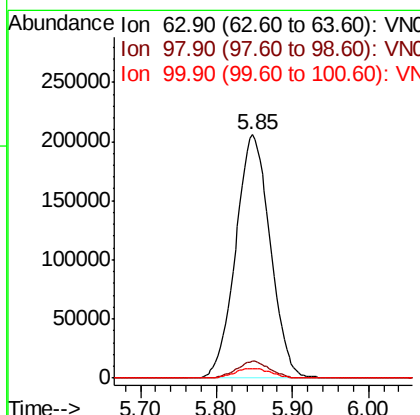
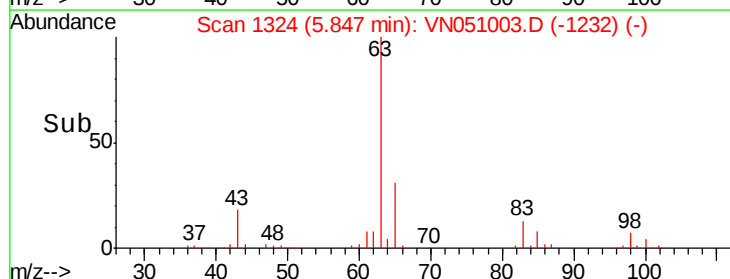
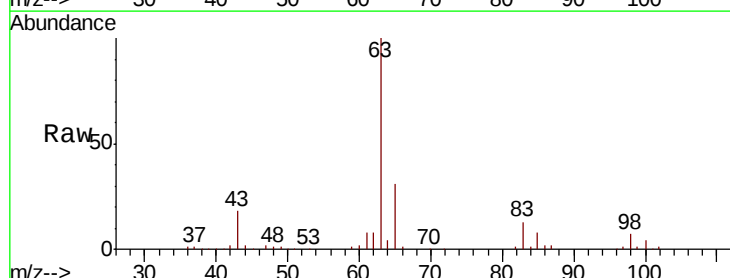
Manual Integrations
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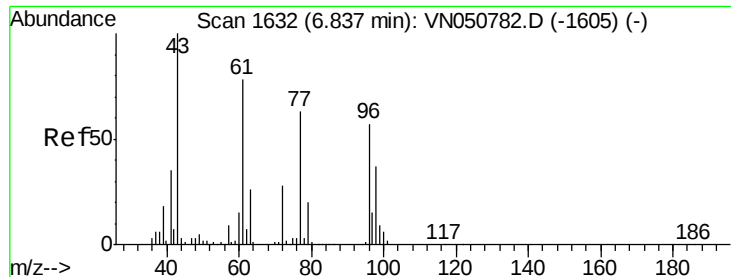
MMDadoda
 9/5/2018 12:00:01 PM



#24
 1,1-Dichloroethane
 Concen: 46.32 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 63 Resp: 649689
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 205.81 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 625398

Ion Ratio Lower Upper

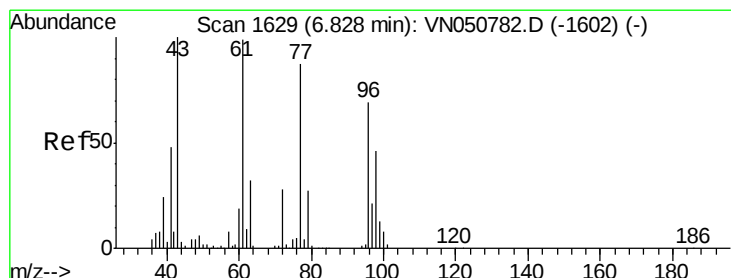
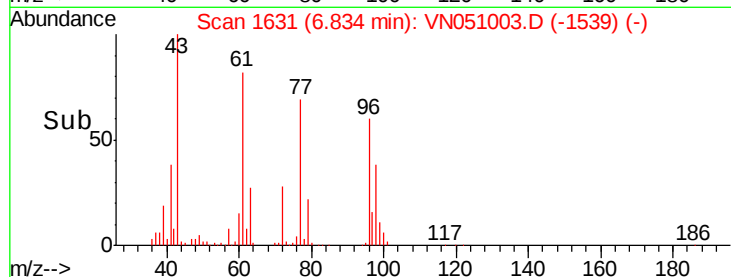
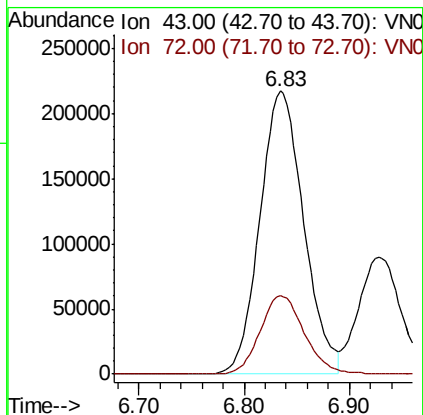
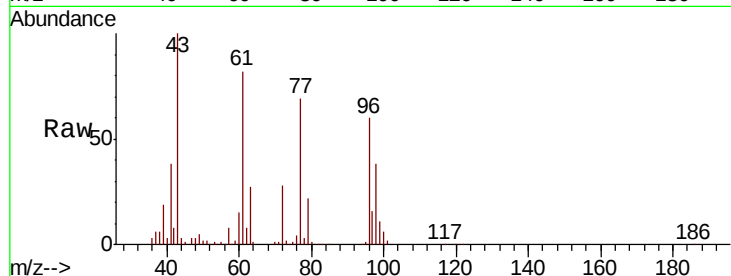
43 100

72 27.6 22.3 33.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.68 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN051003.D

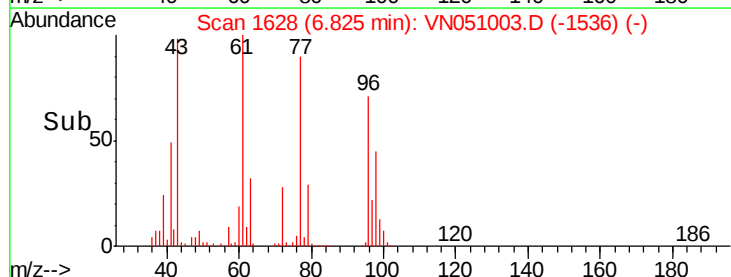
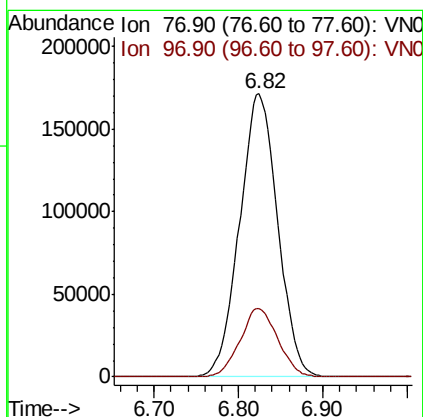
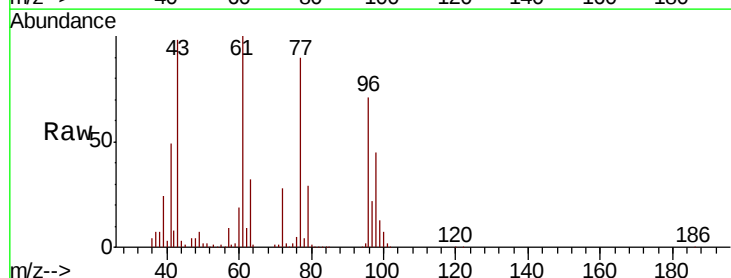
Acq: 4 Sep 2018 8:15

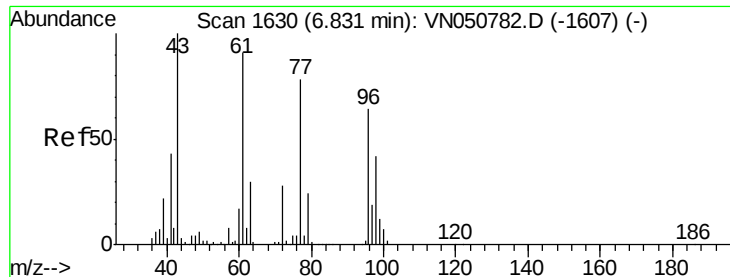
Tgt Ion: 77 Resp: 537281

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 47.78 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

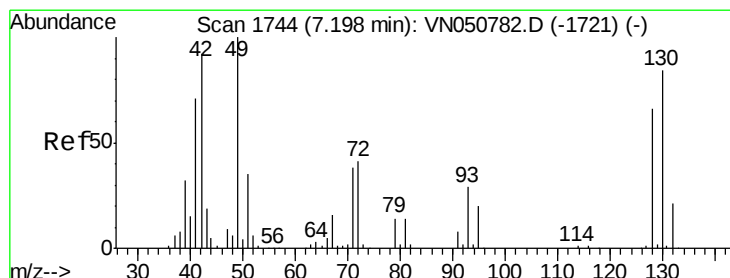
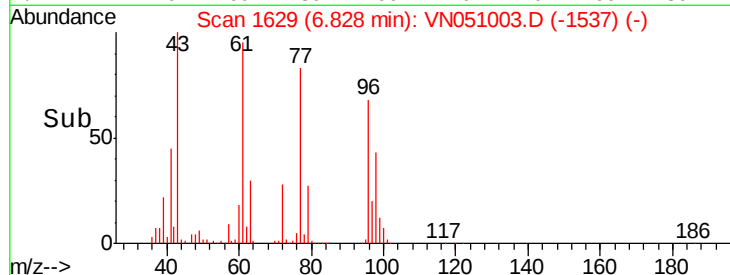
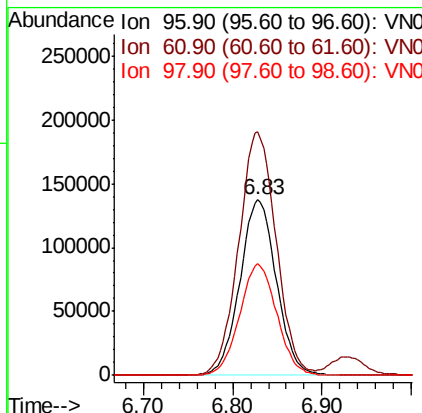
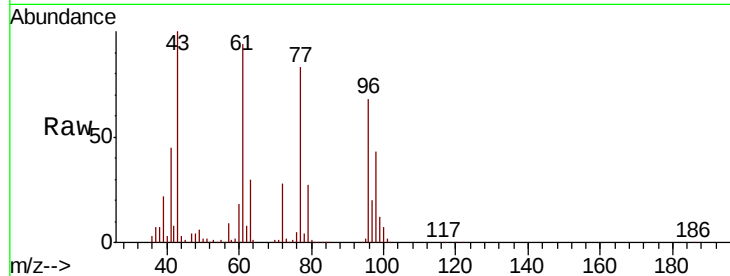
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	391905
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	283.4
98	64.7	0.0	129.8

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#28

Bromochloromethane

Concen: 47.30 ug/l

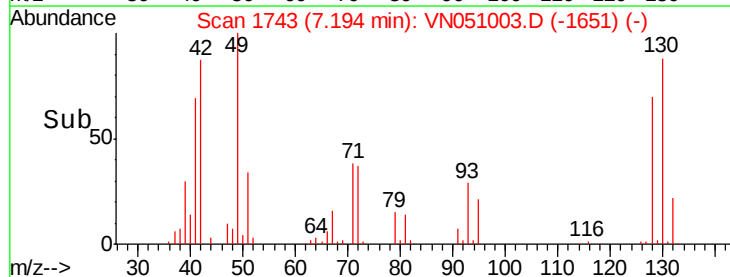
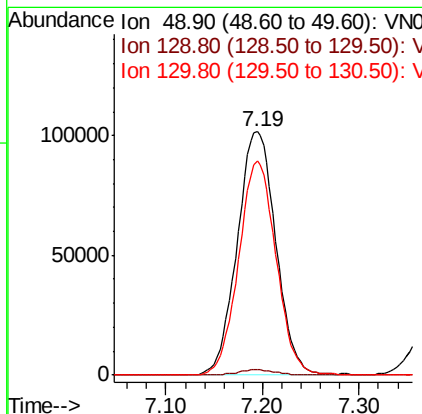
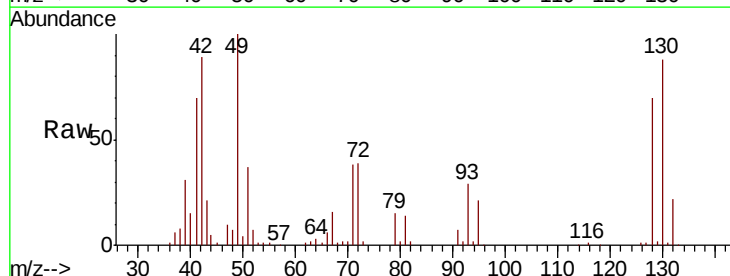
RT: 7.19 min Scan# 1743

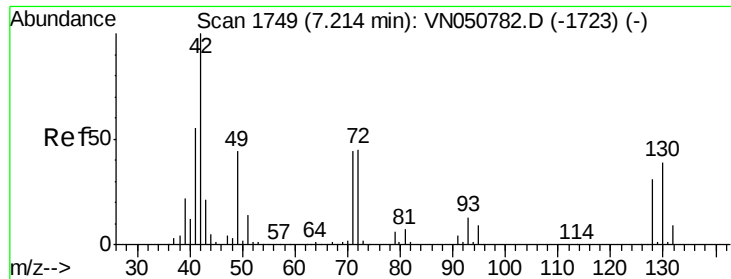
Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion:	49	Resp:	281907
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.2	67.1	100.7





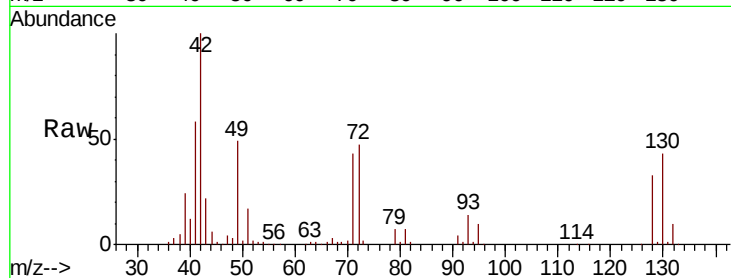
#29
Tetrahydrofuran
Concen: 223.67 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.5	53.3
71	42.5	33.7	50.5

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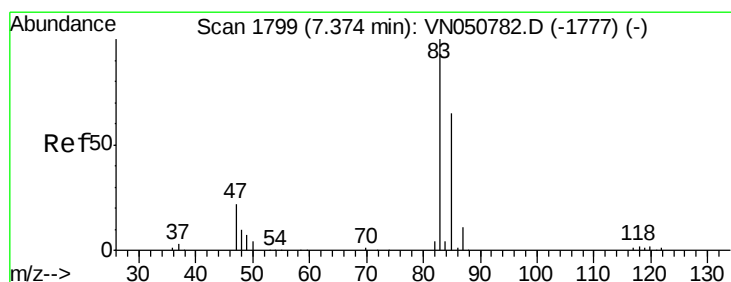
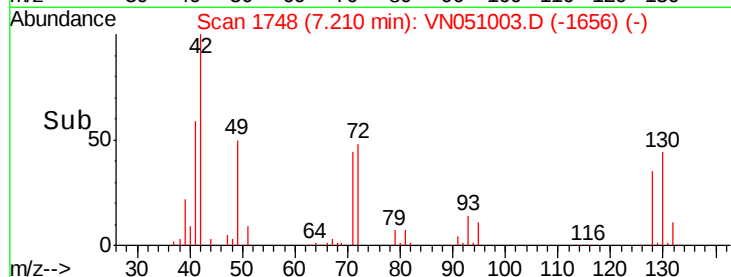
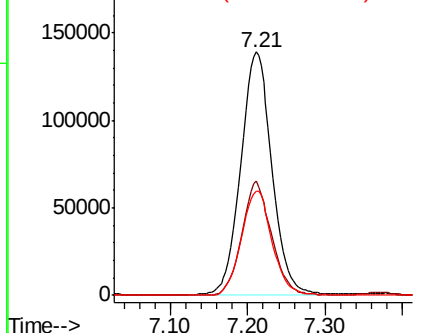


Abundance

Ion 42.00 (41.70 to 42.70): VN0

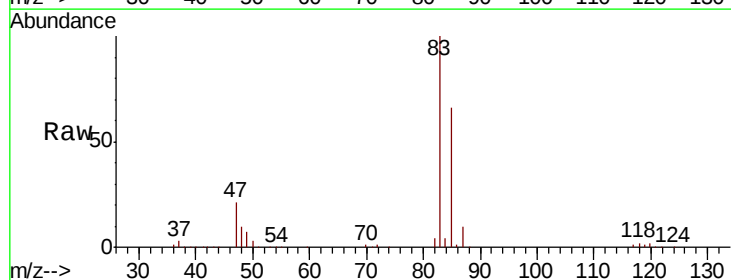
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 46.83 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

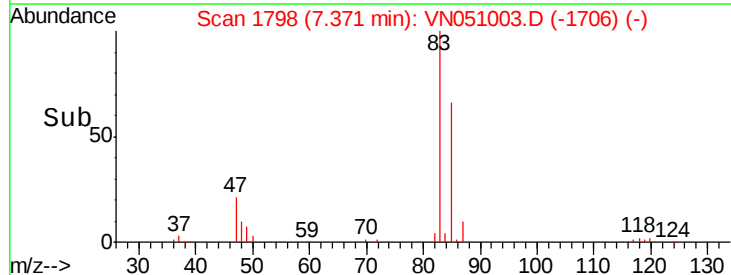
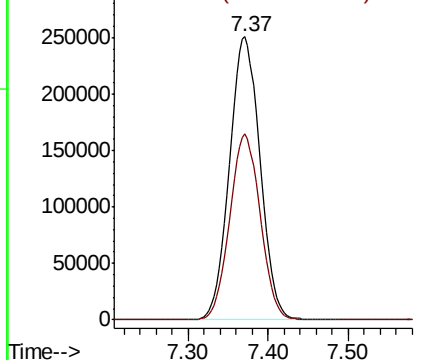
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4

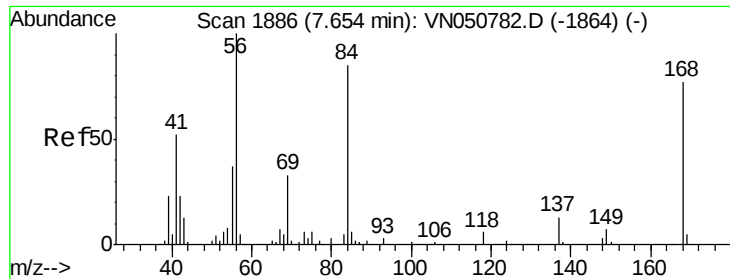


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





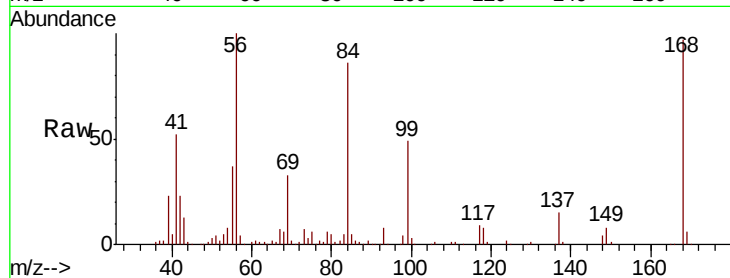
#31
Cyclohexane
Concen: 45.51 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

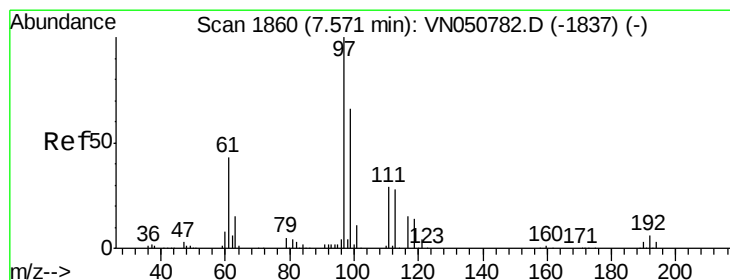
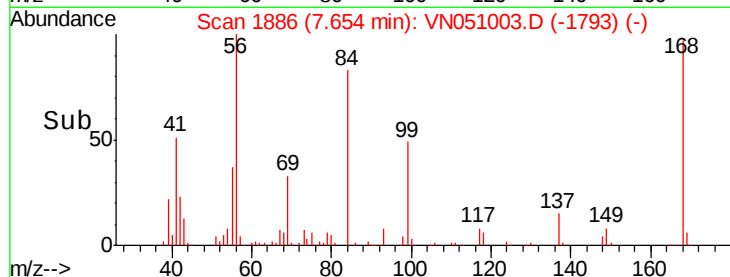
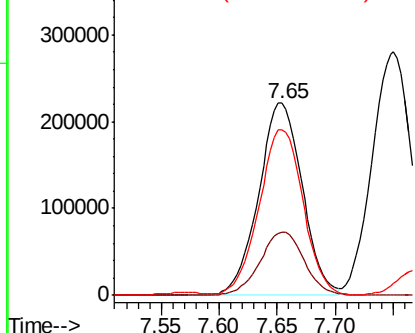
Tot Ion	Ratio	Resp	Lower	Upper
56	100	579570		
69	32.8		26.2	39.4
84	84.9		68.3	102.5

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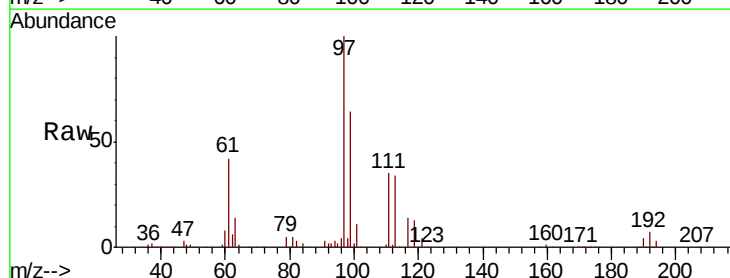


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

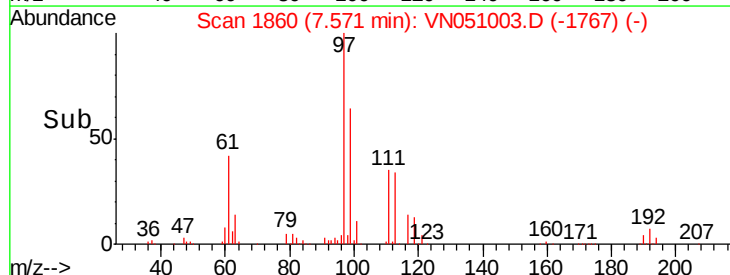
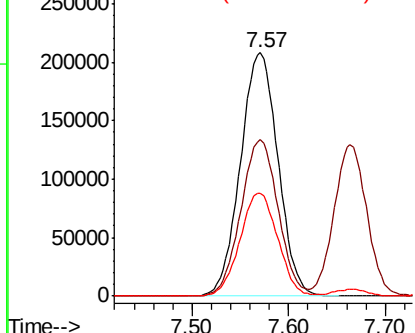


#32
1,1,1-Trichloroethane
Concen: 47.03 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	561013		
99	63.9		51.8	77.6
61	42.5		34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





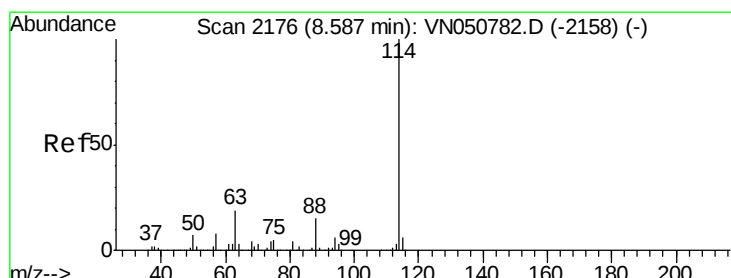
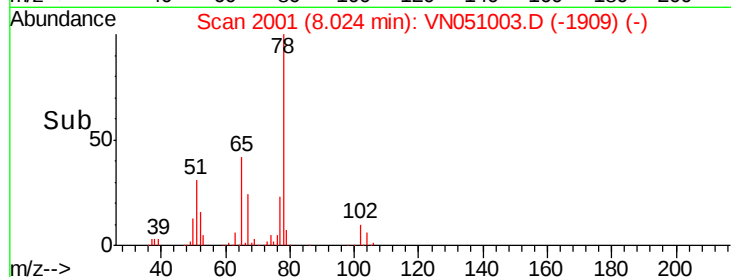
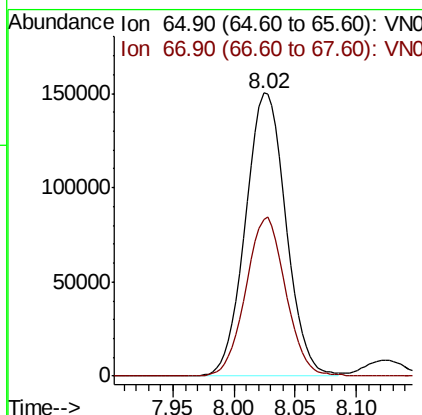
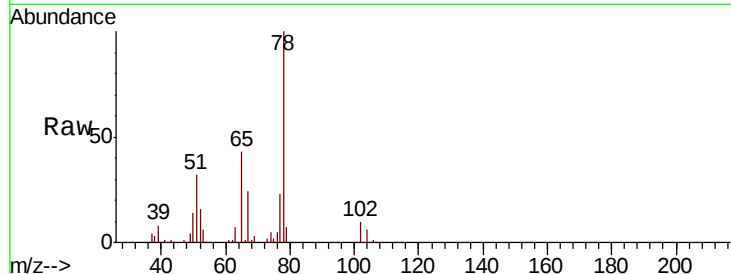
#33
 1,2-Dichloroethane-d4
 Concen: 45.79 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	345301		
67	55.3	0.0	110.4	

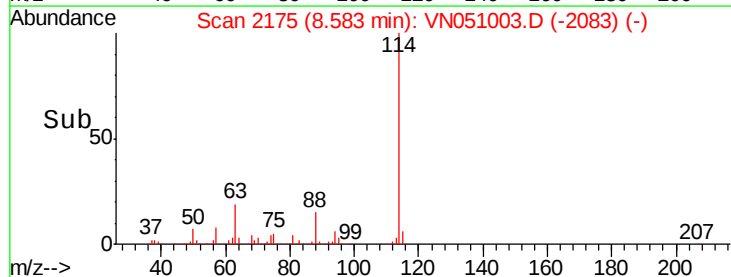
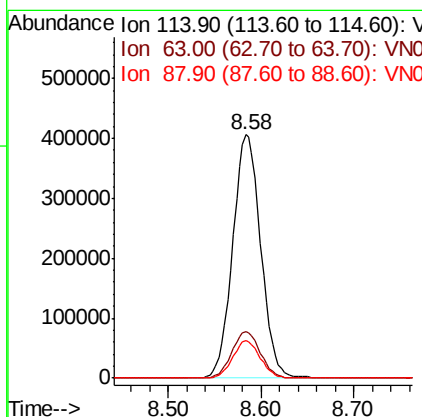
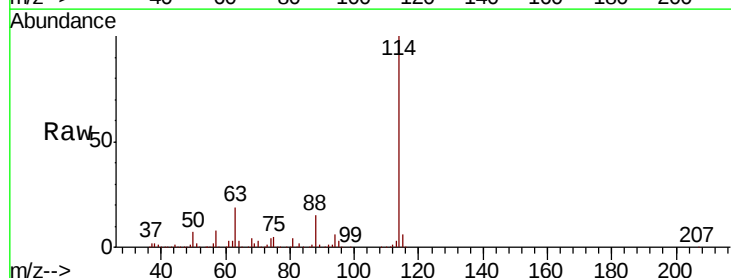
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	849924		
63	19.2	0.0	38.6	
88	15.4	0.0	30.6	





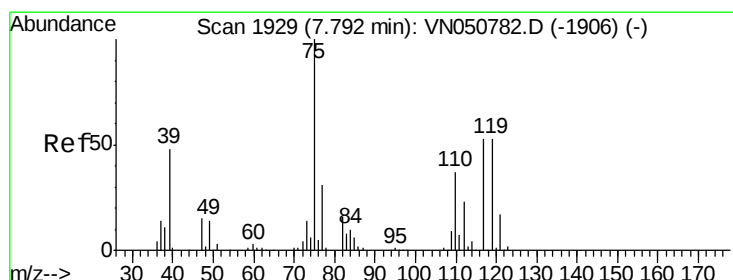
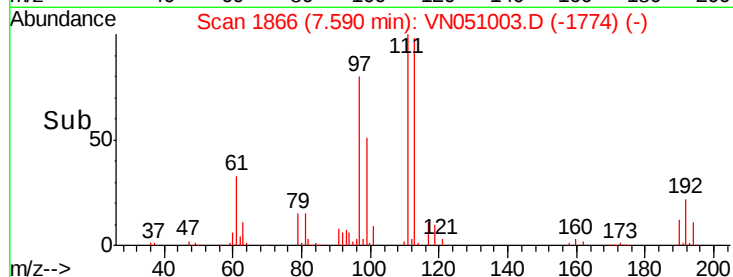
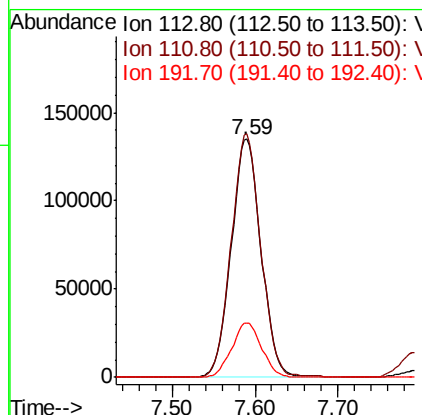
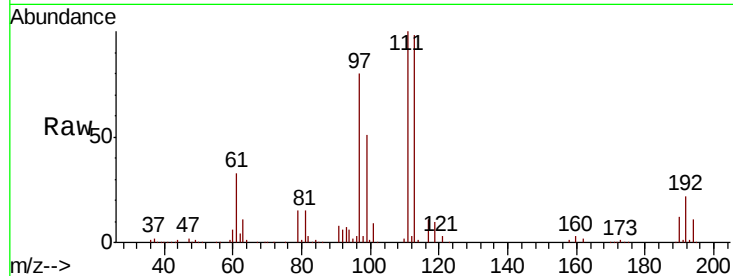
#35
 Dibromofluoromethane
 Concen: 49.93 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	82.6	123.8	
192	22.8	18.0	27.0	

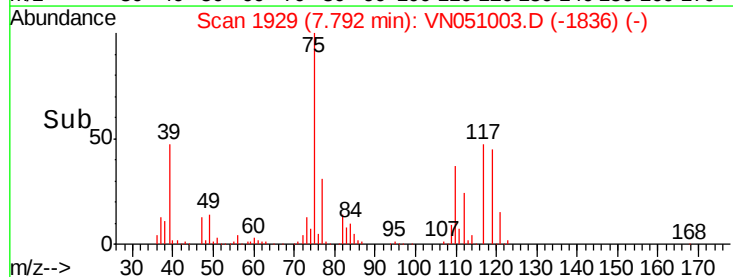
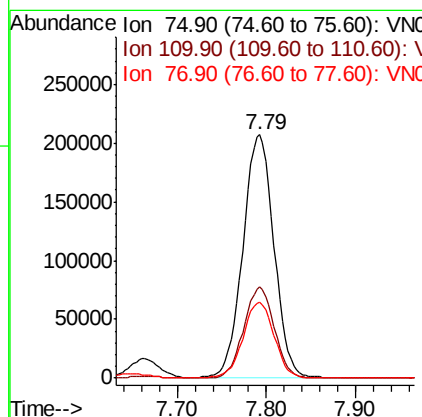
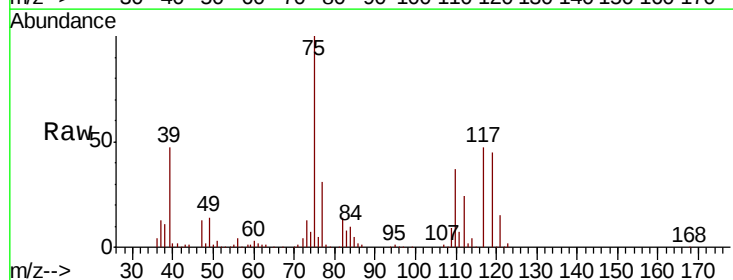
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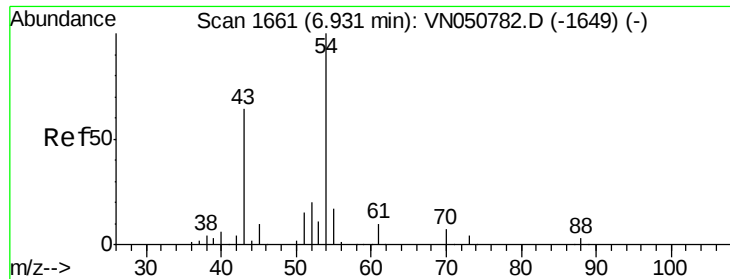
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#36
 1,1-Dichloropropene
 Concen: 49.80 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.1	54.4	
77	31.5	24.8	37.2	





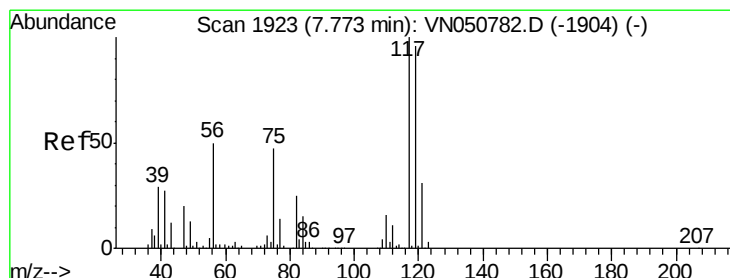
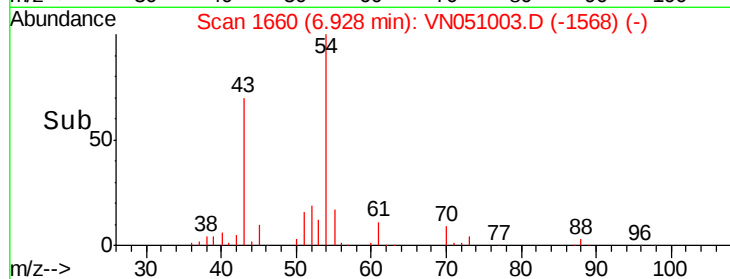
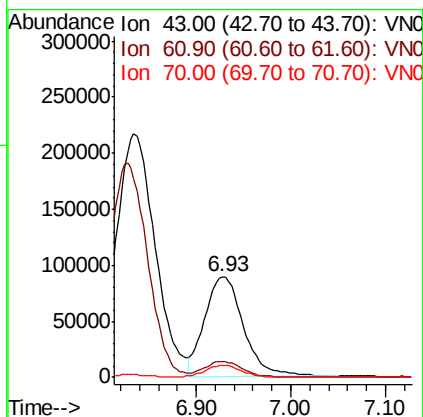
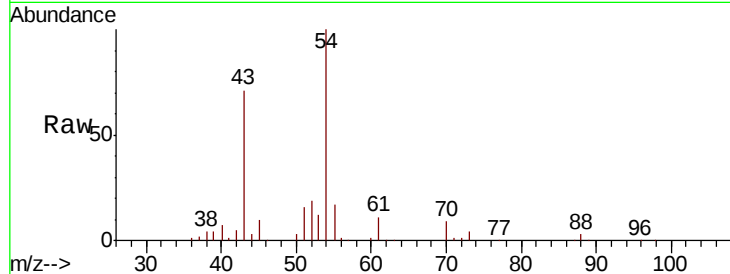
#37
Ethyl Acetate
Concen: 44.14 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	11.5	8.6	13.0

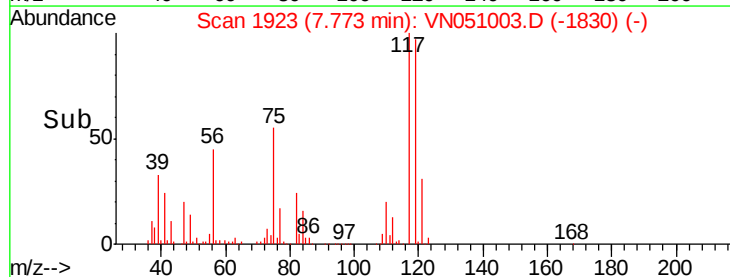
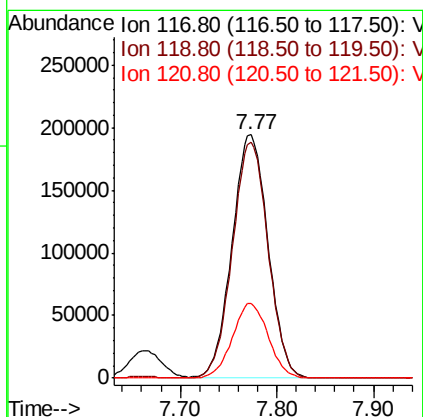
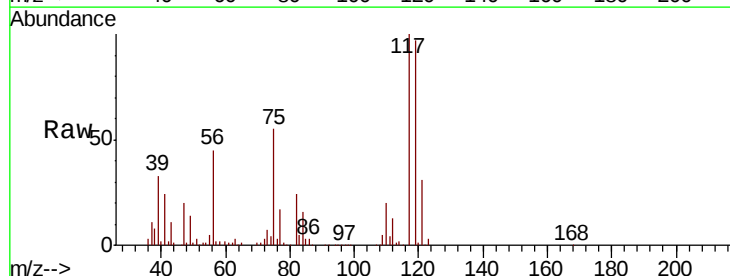
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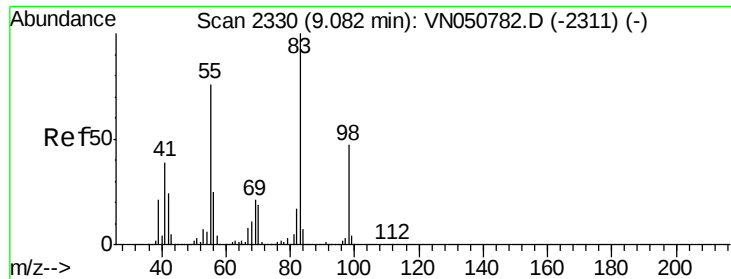
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#38
Carbon Tetrachloride
Concen: 49.56 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5
121	30.6	24.6	36.8





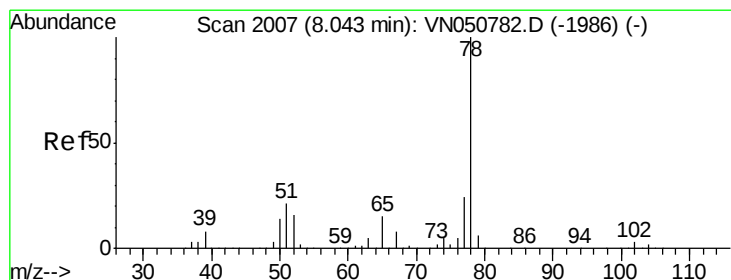
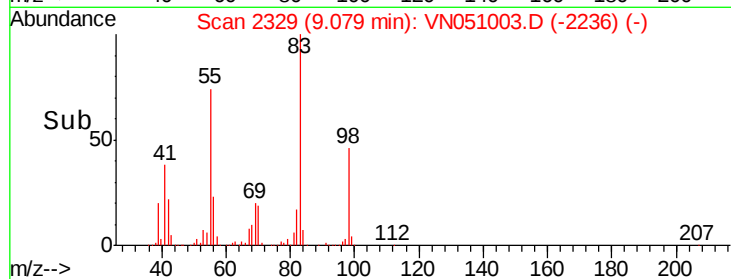
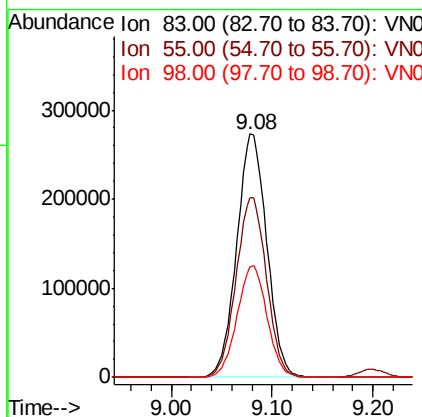
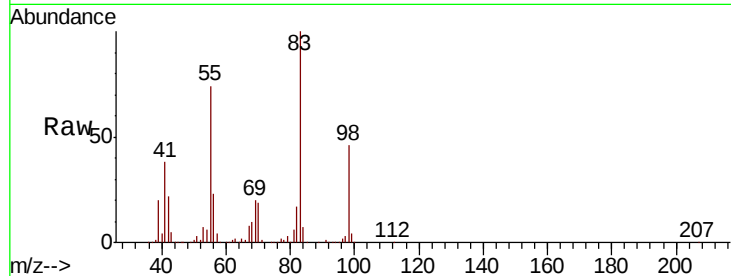
#39
Methvlcvclohexane
Concen: 51.94 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.0	61.0	91.4	
98	45.5	37.5	56.3	

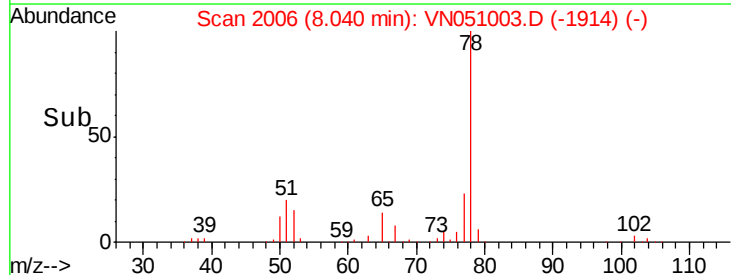
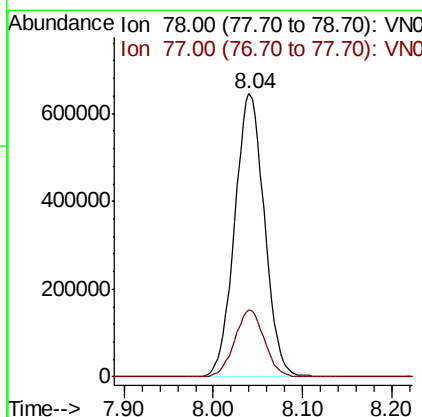
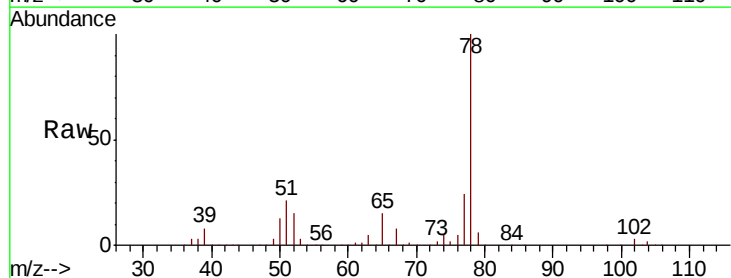
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#40
Benzene
Concen: 49.46 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





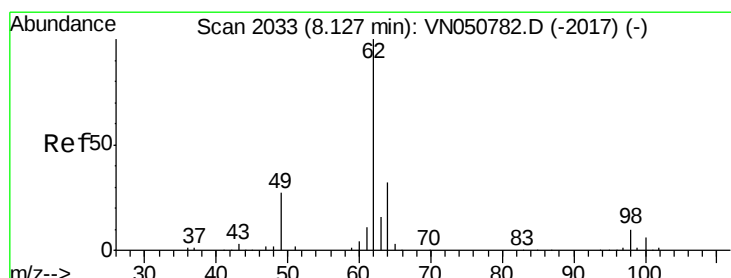
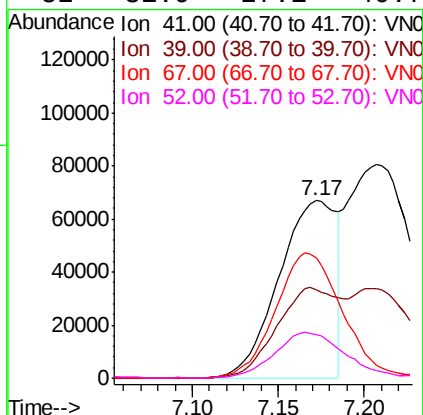
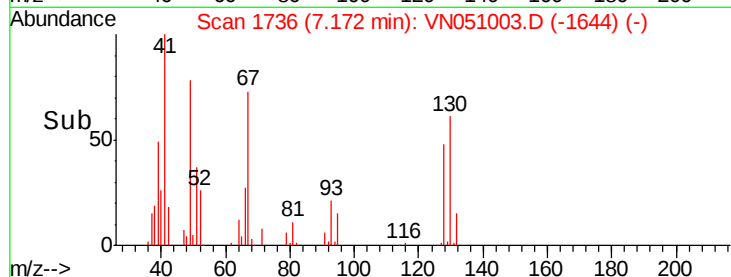
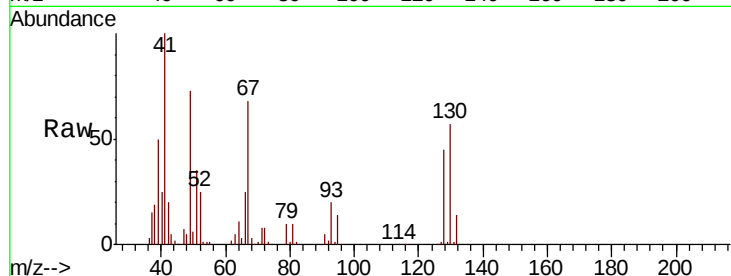
#41
Methacrylonitrile
Concen: 49.96 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	155785
Ion Ratio	Lower	Upper	
41	100		
39	55.3	45.4	68.0
67	82.3	70.6	106.0
52	31.9	27.1	40.7

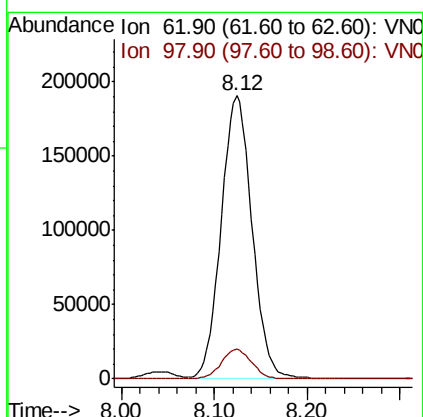
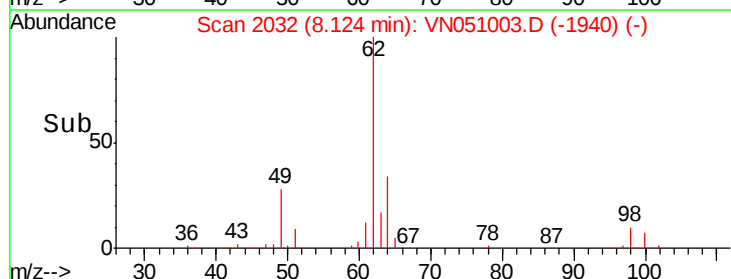
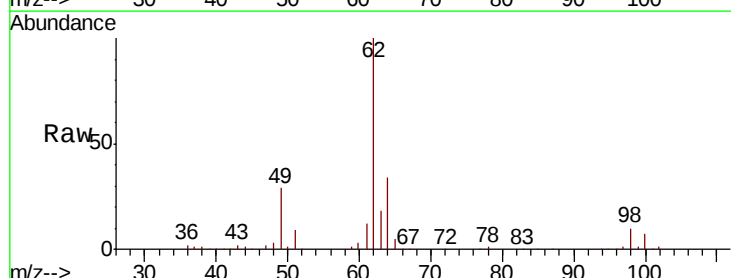
Manual Integrations
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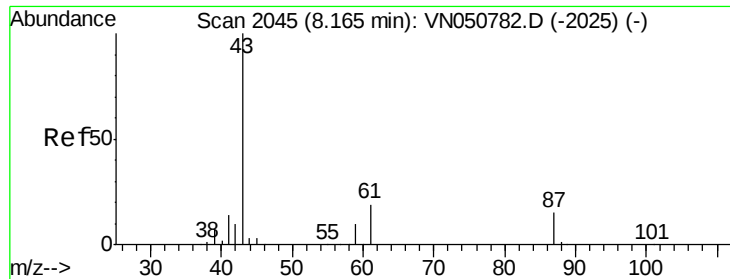
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9/5/2018 12:00:01 PM



#42
1,2-Dichloroethane
Concen: 48.59 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	62	Resp	439354
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	19.6





#43

Isopropyl Acetate

Concen: 46.77 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

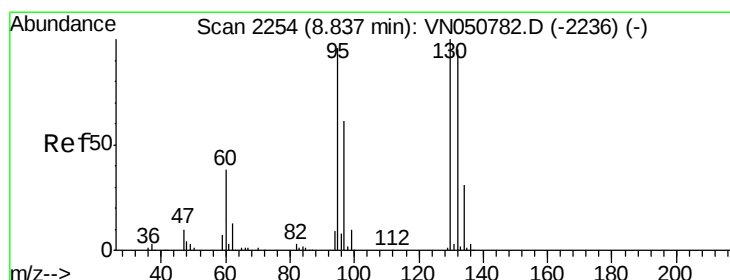
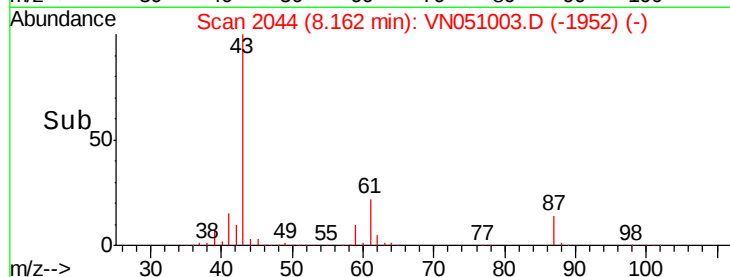
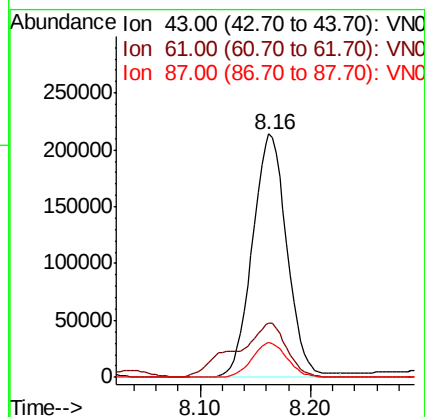
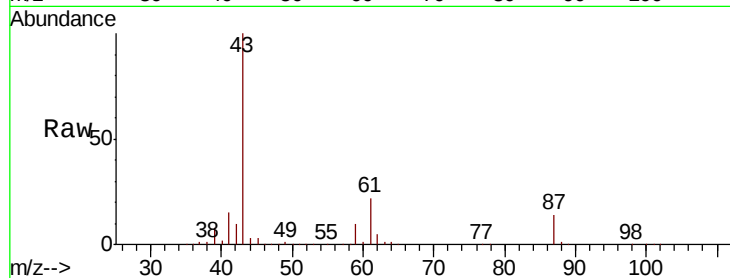
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	463331
Ion	Ratio	Lower	Upper
43	100		
61	32.5	17.5	26.3#
87	14.5	11.3	16.9

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#44

Trichloroethene

Concen: 50.04 ug/l

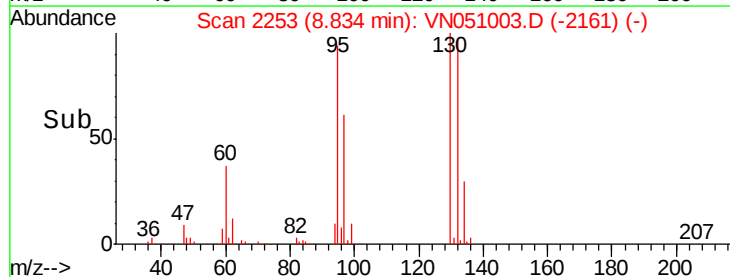
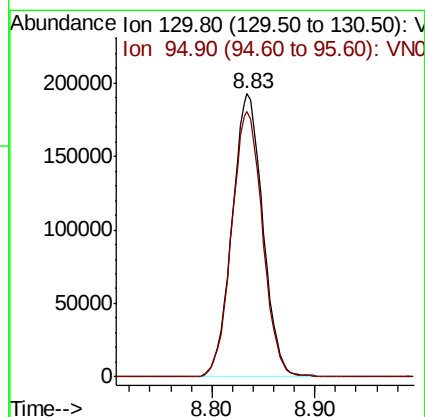
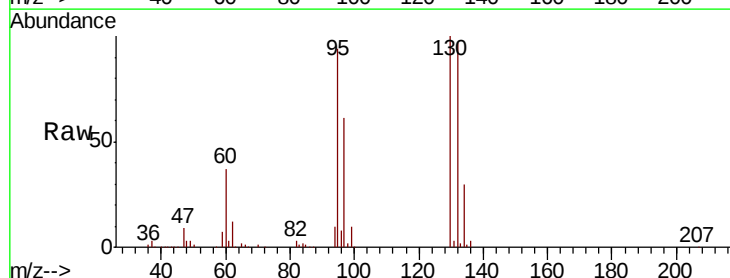
RT: 8.83 min Scan# 2253

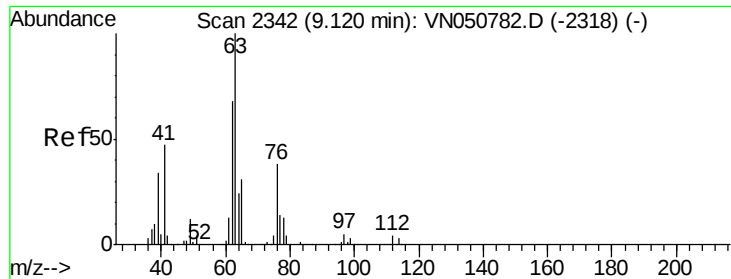
Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion:	130	Resp:	399102
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	193.0





#45

1,2-Dichloropropane

Concen: 49.79 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 395768

Ion Ratio Lower Upper

63 100

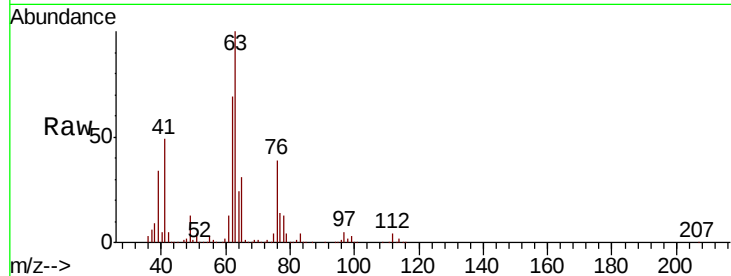
65 31.0 25.0 37.6

Manual Integrations

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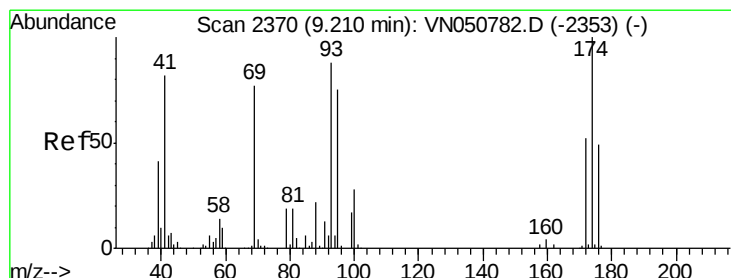
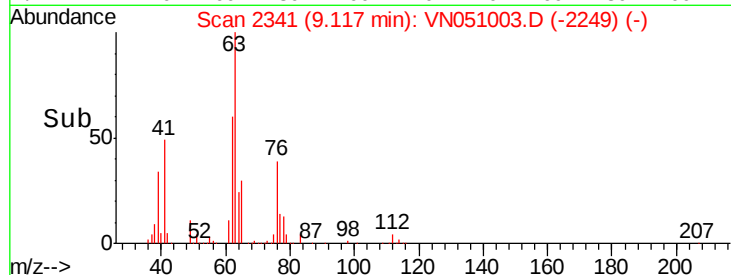
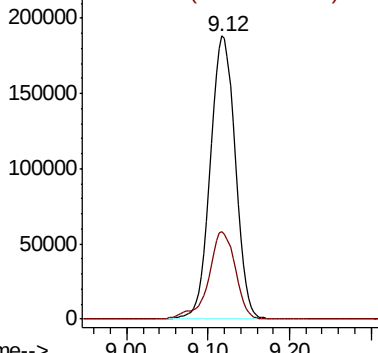
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.43 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

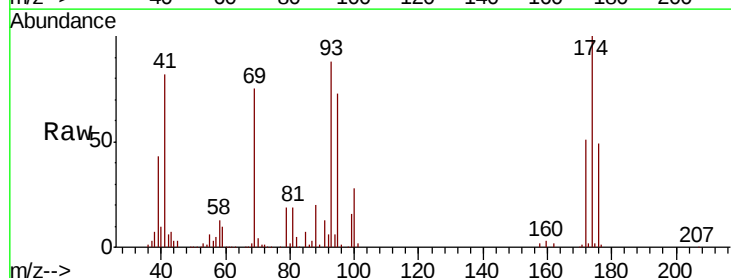
Tgt Ion: 93 Resp: 226202

Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

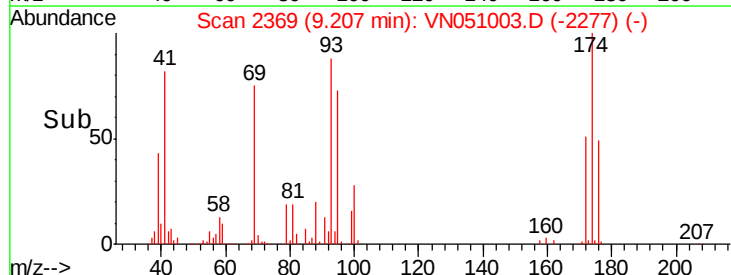
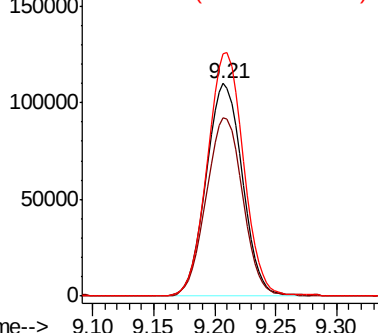
174 114.3 89.8 134.6

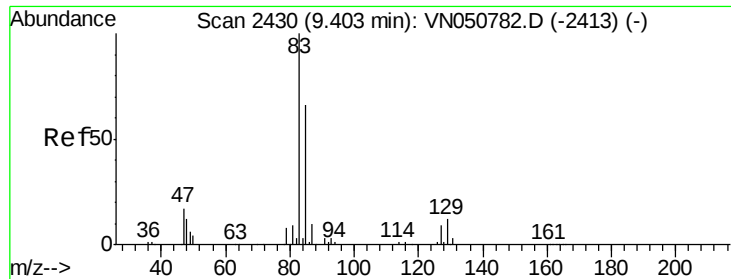


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





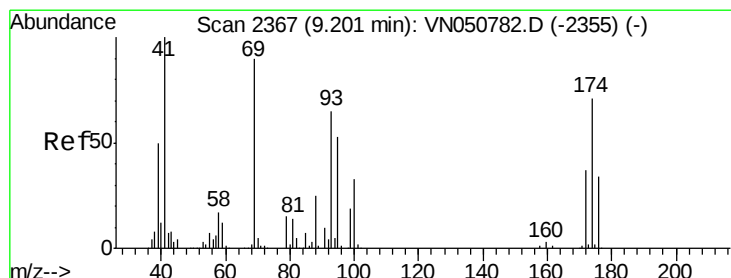
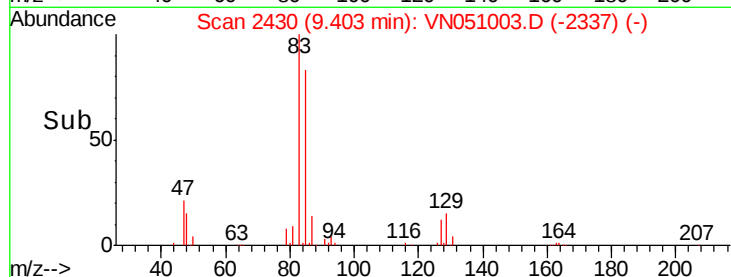
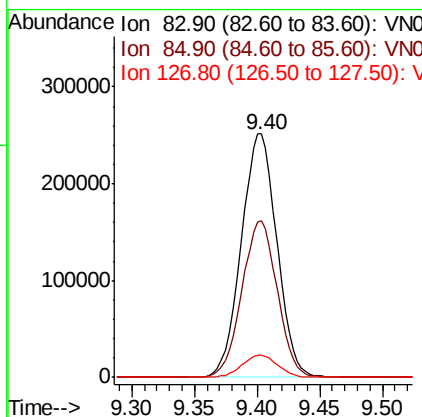
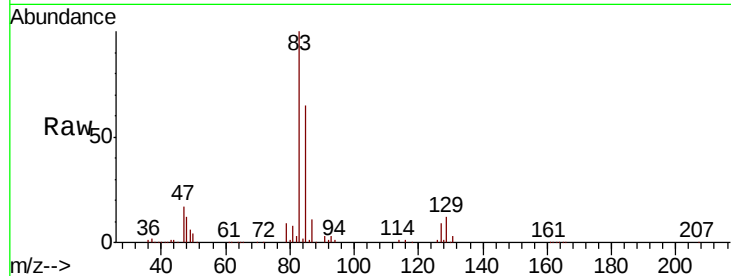
#47
Bromodichloromethane
Concen: 50.84 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	497281		
85	64.6	52.6	78.8	
127	9.2	7.2	10.8	

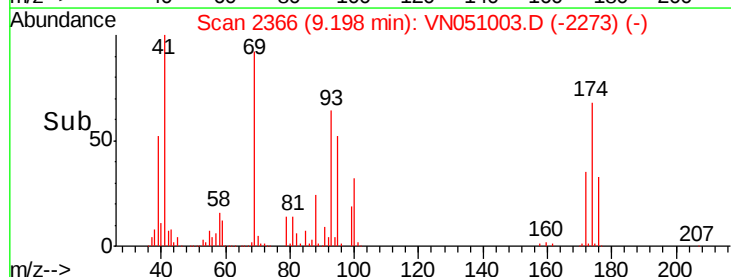
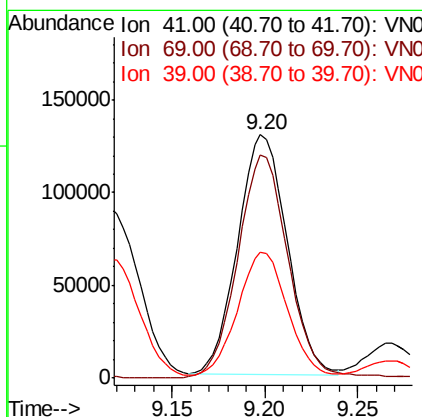
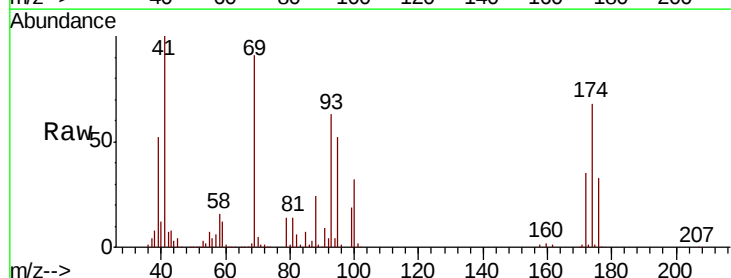
Manual Integrations
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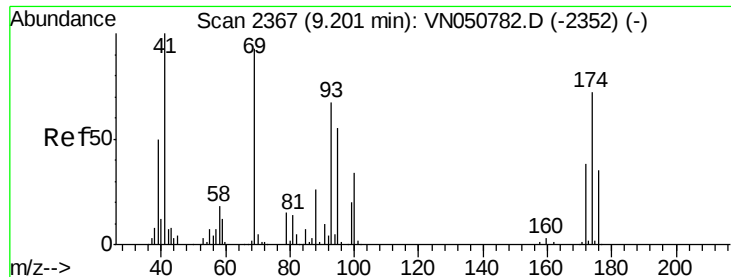
MMDadoda
9/5/2018 12:00:01 PM



#48
Methyl methacrylate
Concen: 47.41 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	239322		
69	95.6	74.7	112.1	
39	53.5	42.2	63.2	





#49

1,4-Dioxane

Concen: 927.62 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

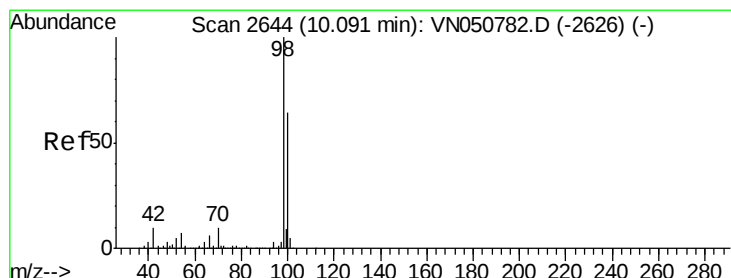
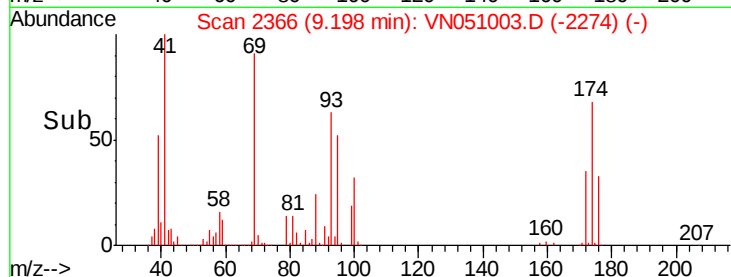
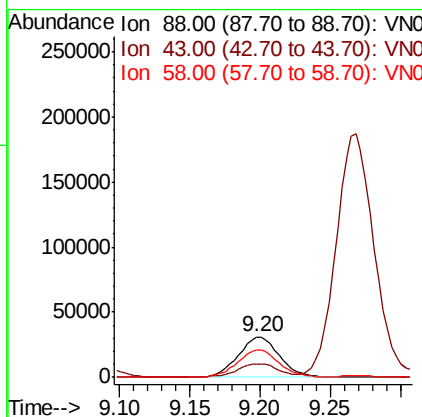
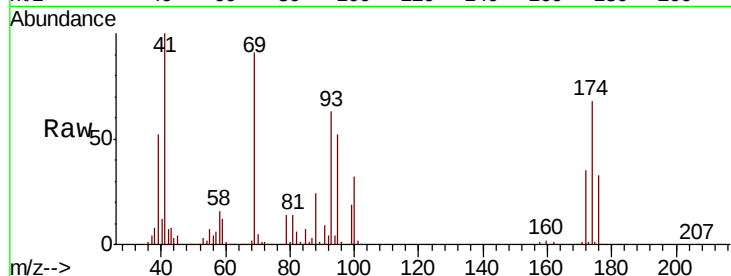
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.9	38.9
58	68.4	55.0	82.4

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#50

Toluene-d8

Concen: 50.24 ug/l

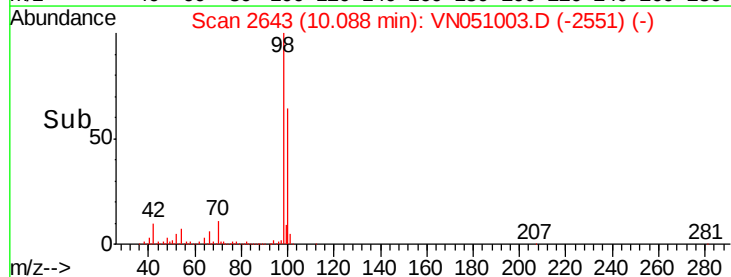
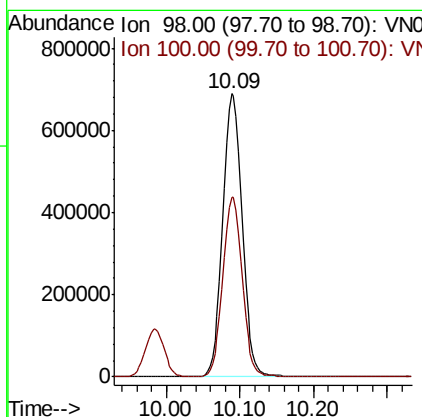
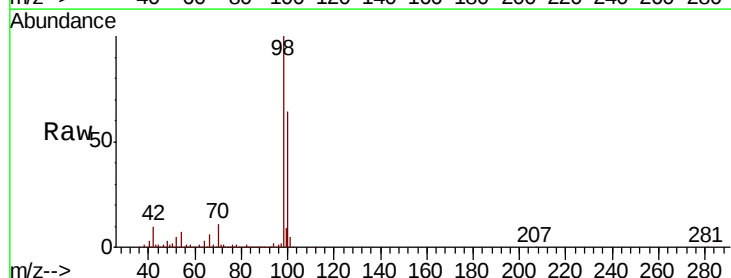
RT: 10.09 min Scan# 2643

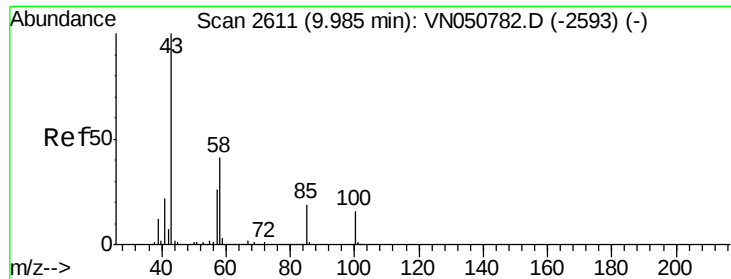
Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 223.12 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1318920

Ion Ratio Lower Upper

43 100

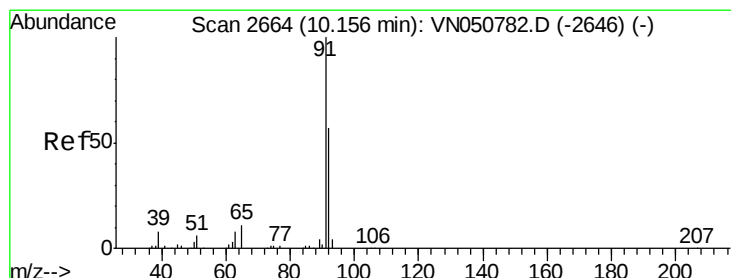
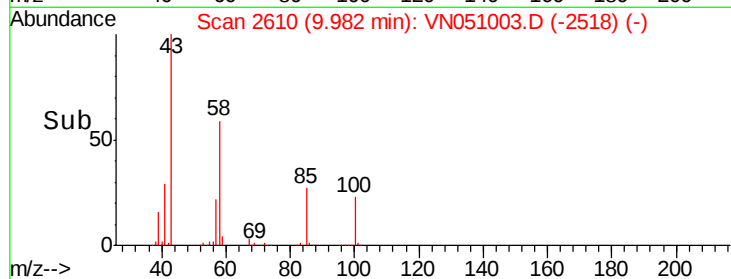
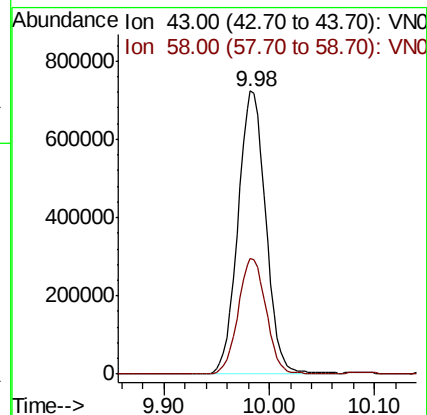
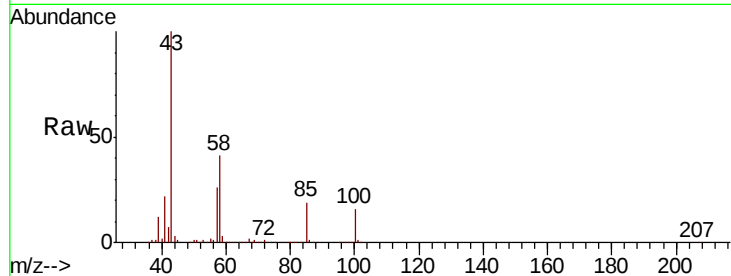
58 41.2 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 52.07 ug/l

RT: 10.15 min Scan# 2663

Delta R.T. -0.00 min

Lab File: VN051003.D

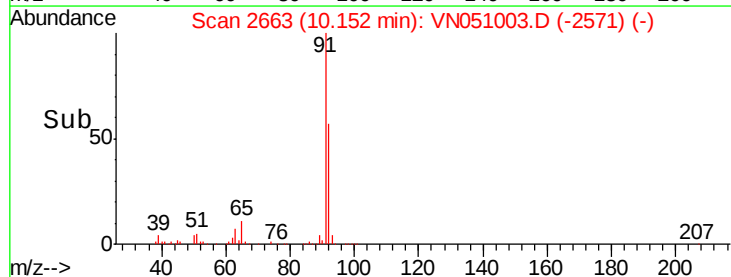
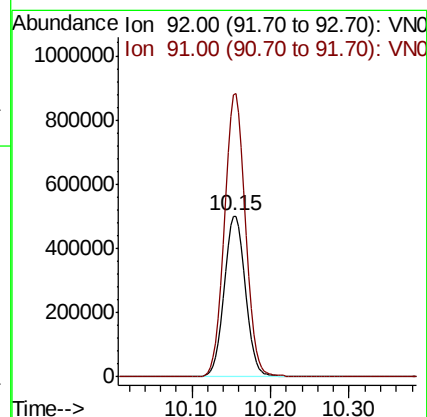
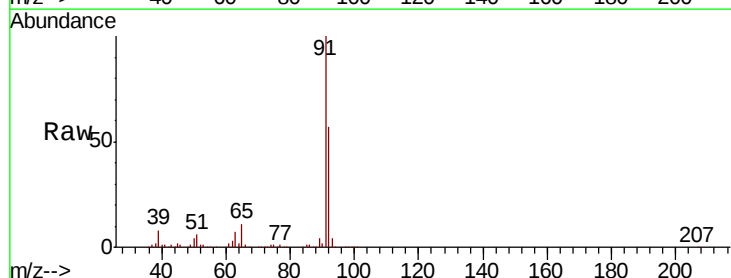
Acq: 4 Sep 2018 8:15

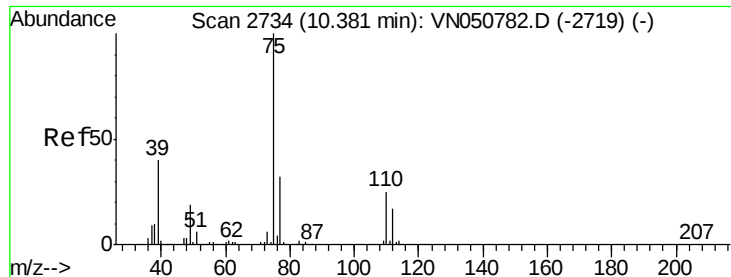
Tgt Ion: 92 Resp: 932807

Ion Ratio Lower Upper

92 100

91 174.0 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 49.78 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 484728

Ion Ratio Lower Upper

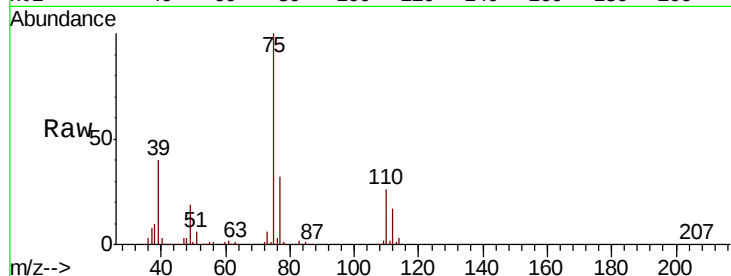
75 100

77 32.2 25.7 38.5

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

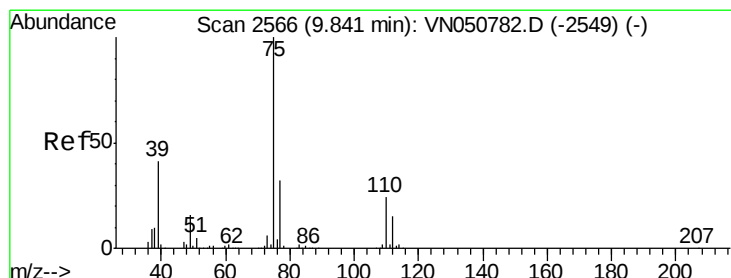
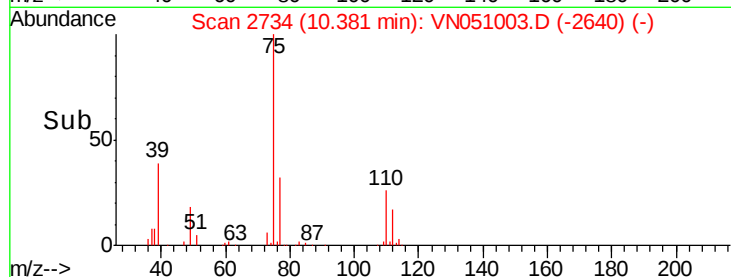
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.71 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

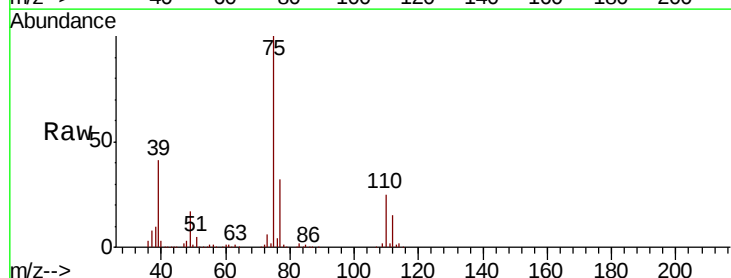
Tgt Ion: 75 Resp: 576570

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 41.2 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

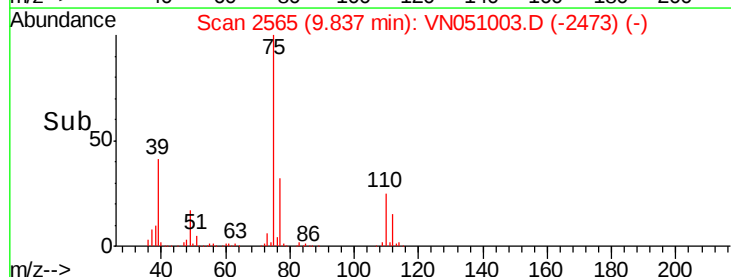
300000

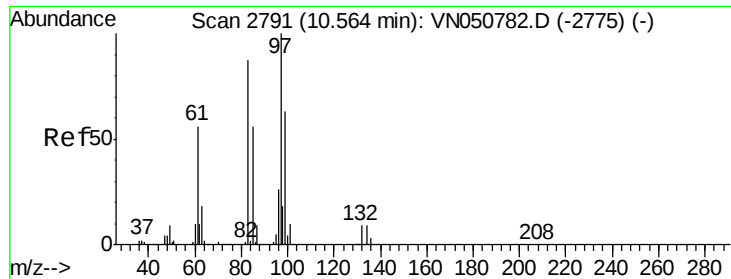
200000

100000

0

Time-->





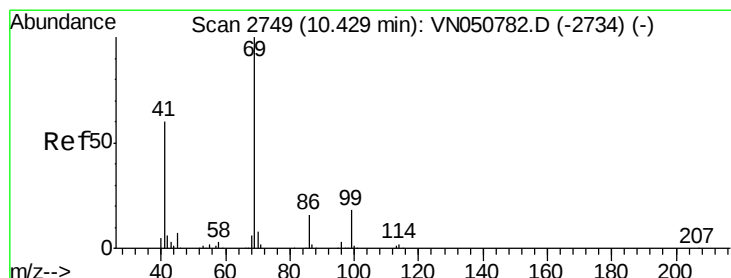
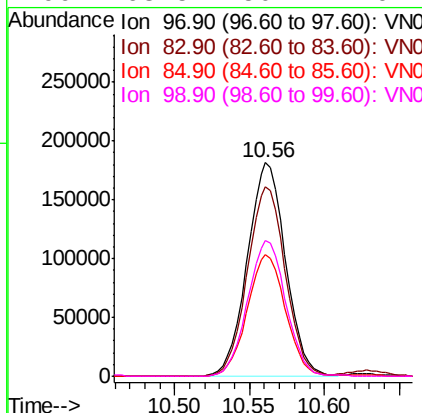
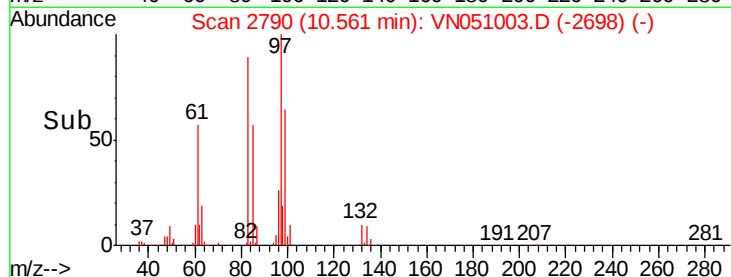
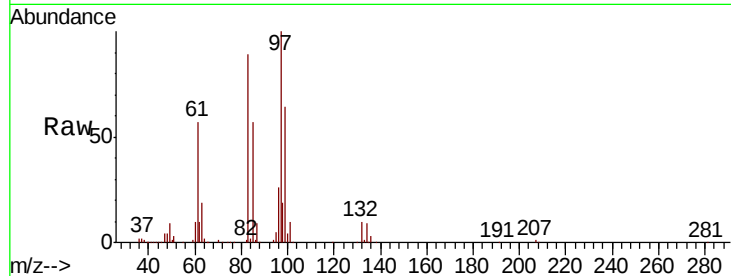
#55
 1,1,2-Trichloroethane
 Concen: 48.65 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	323499
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.7	104.5
85	56.7	44.5	66.7
99	63.5	50.7	76.1

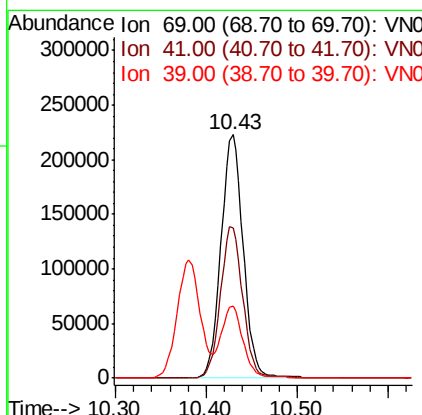
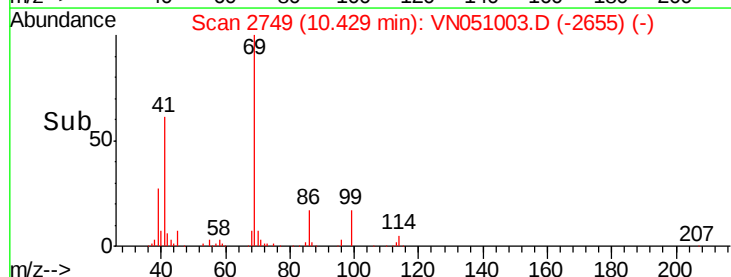
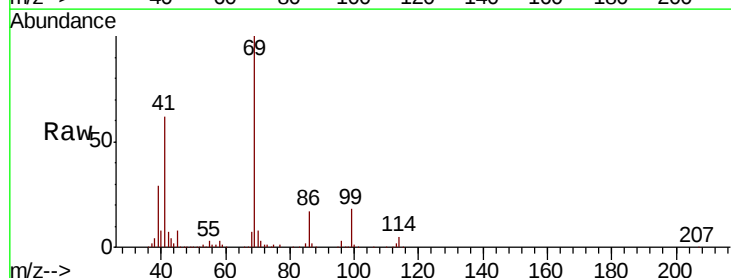
Manual Integrations
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 9/5/2018 12:00:01 PM



#56
 Ethyl methacrylate
 Concen: 44.06 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion:	69	Resp:	378564
Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.3	72.5
39	29.1	24.0	36.0





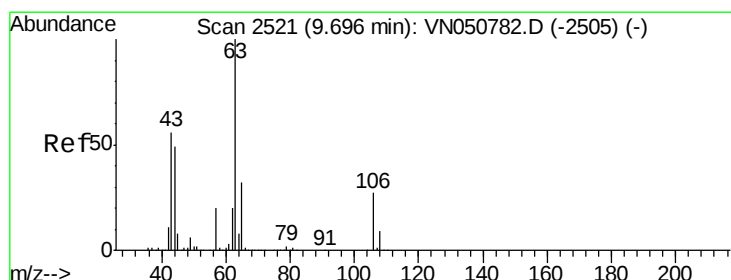
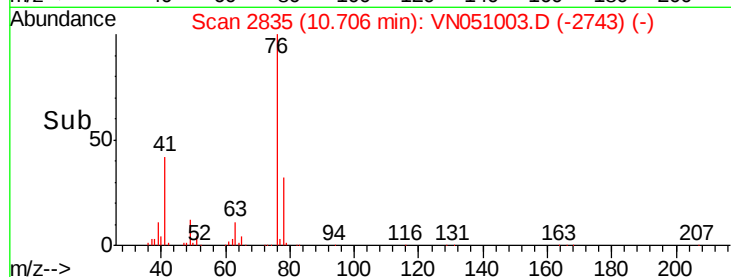
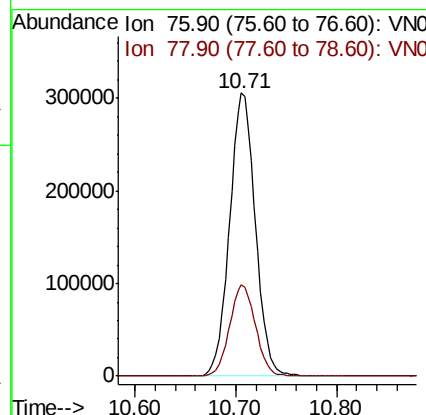
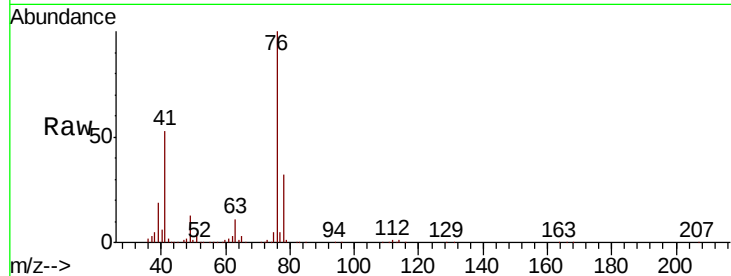
#57
 1,3-Dichloropropane
 Concen: 49.68 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 545234
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

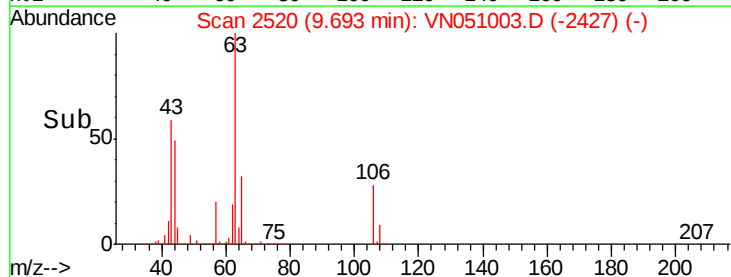
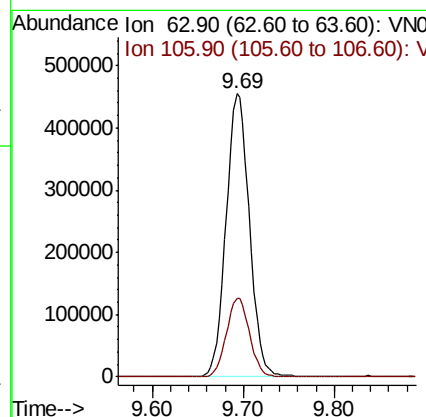
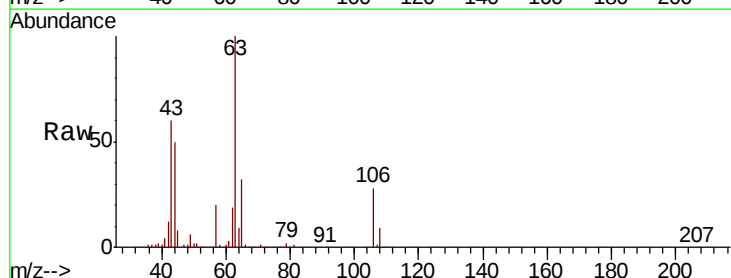
Manual Integrations
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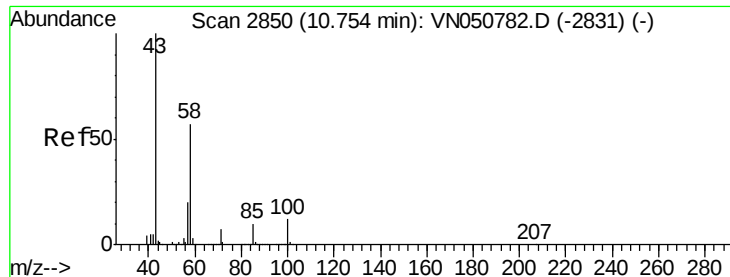
MMDadoda
 9/5/2018 12:00:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.63 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 63 Resp: 811235
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.9 32.9





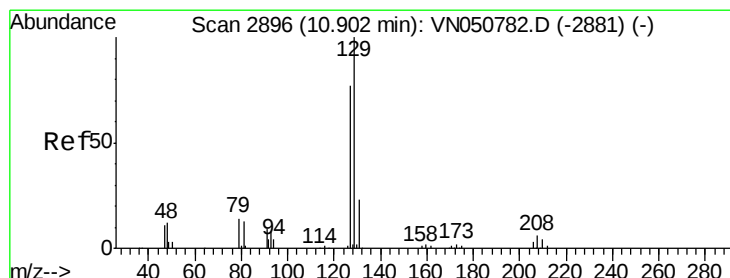
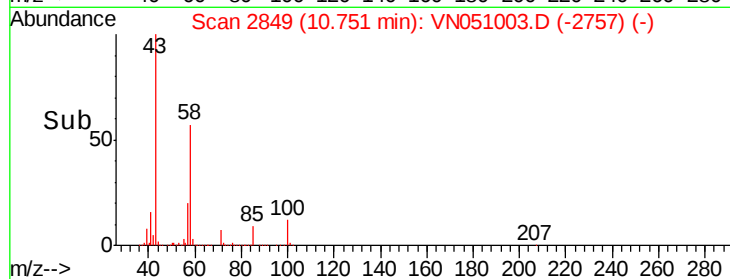
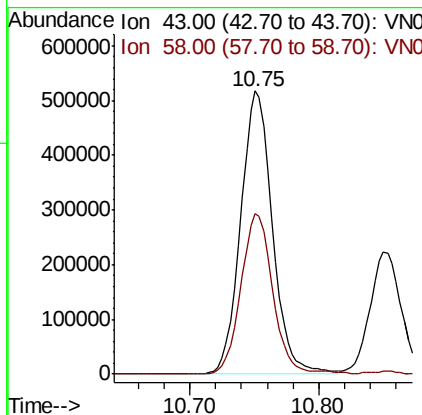
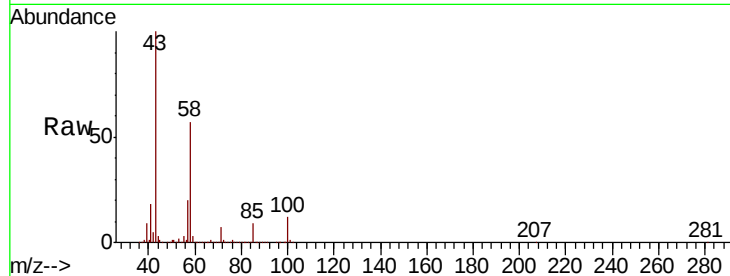
#59
2-Hexanone
Concen: 224.65 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	28.3	85.0

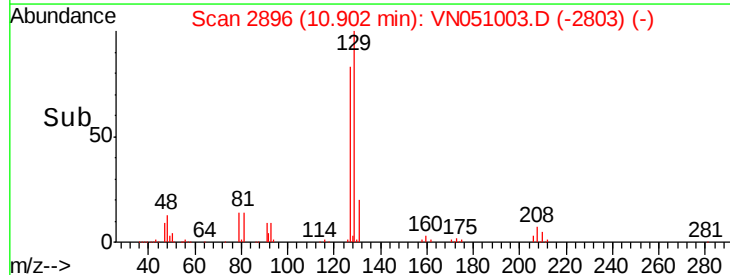
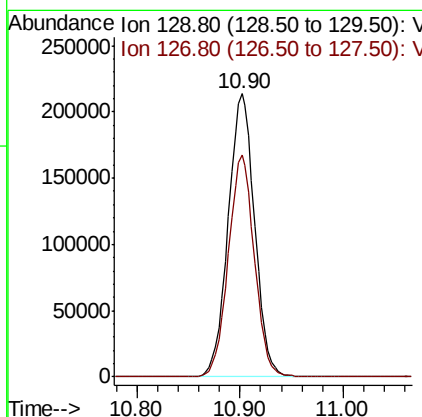
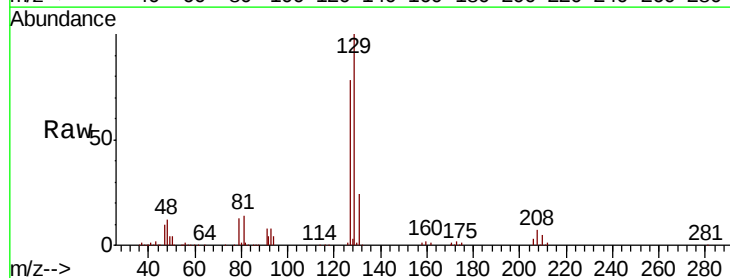
Manual Integrations
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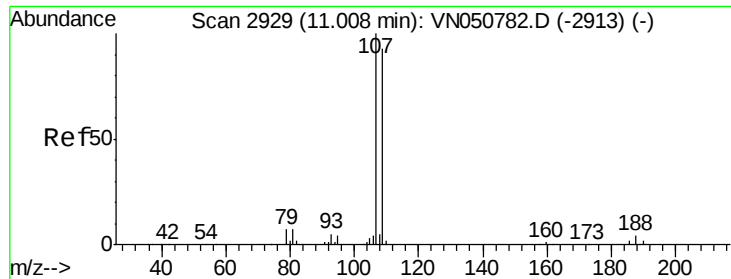
MMDadoda
9/5/2018 12:00:01 PM



#60
Dibromochloromethane
Concen: 51.20 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.9





#61

1,2-Dibromoethane

Concen: 48.77 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 313581

Ion Ratio Lower Upper

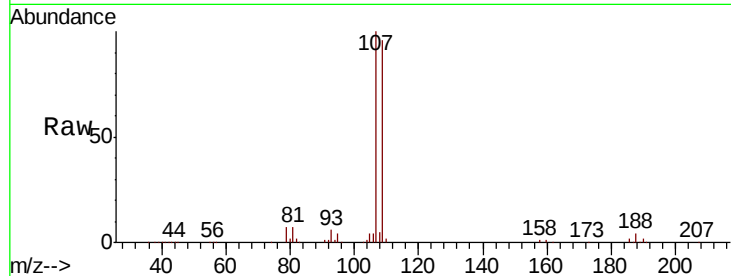
107 100

109 95.3 75.4 113.2

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

150000

100000

50000

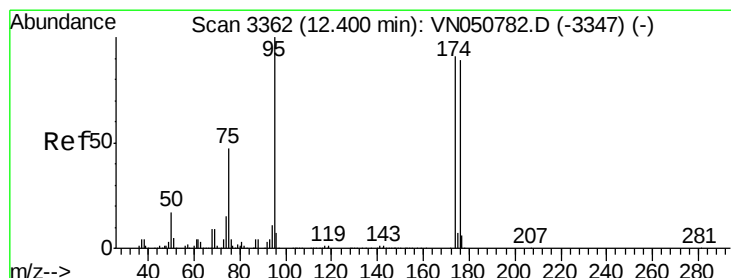
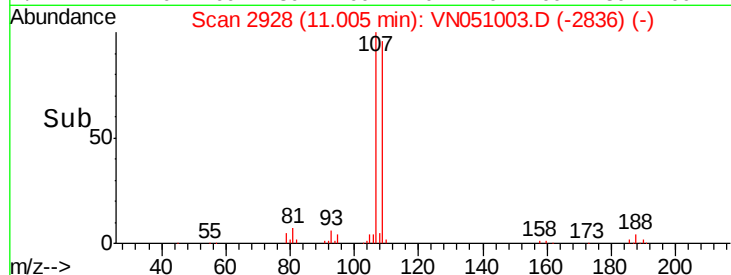
0

11.00

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 51.85 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

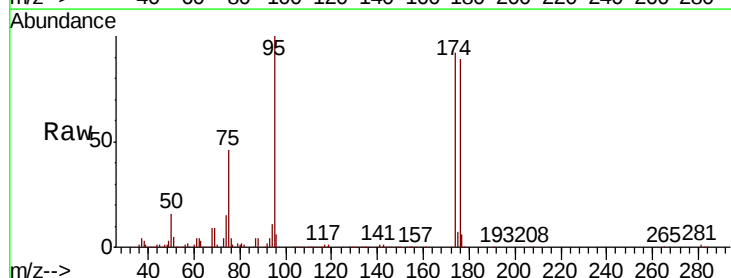
Tgt Ion: 95 Resp: 435545

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

176 88.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

200000

100000

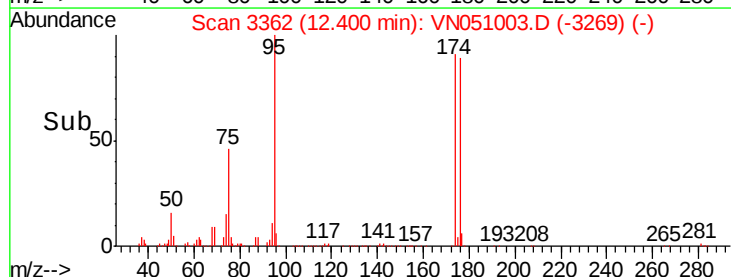
0

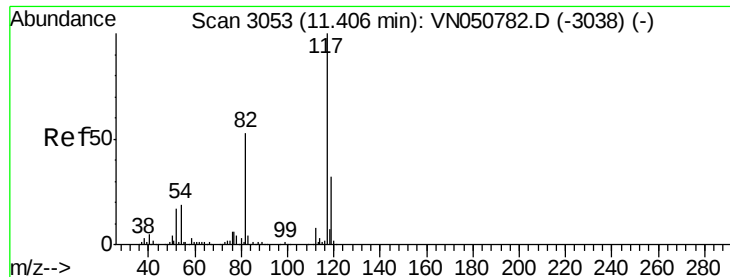
12.40

12.30

12.50

Time-->





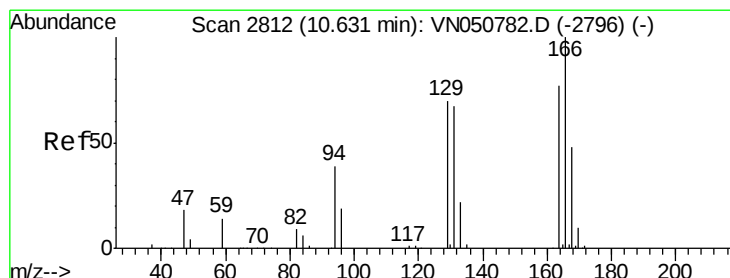
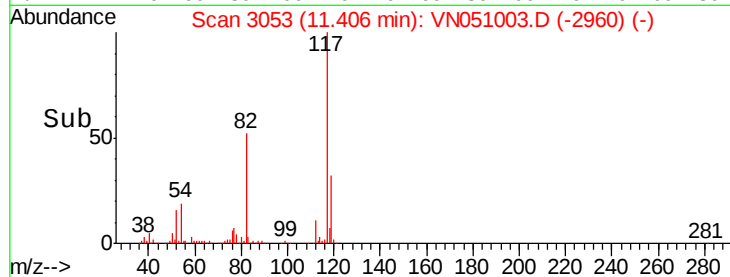
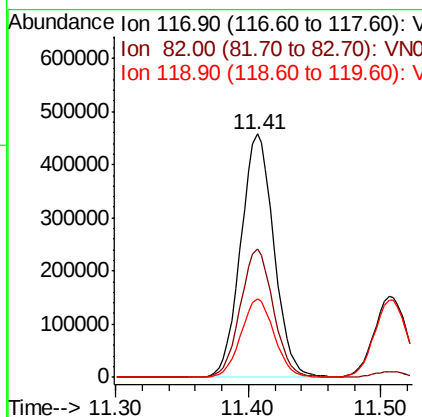
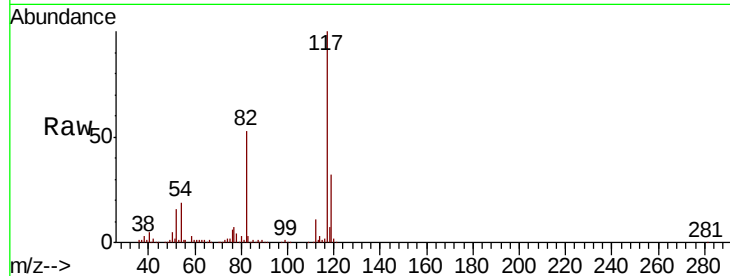
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	793590		
82	52.5		42.6	64.0
119	32.1		25.8	38.6

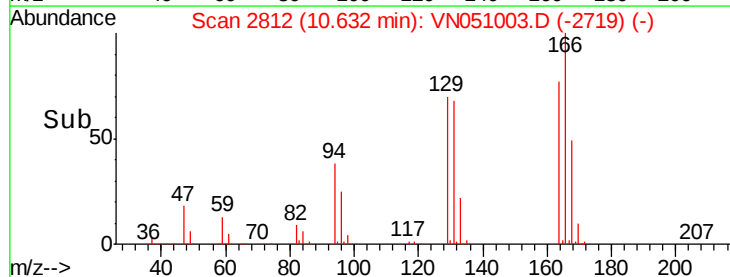
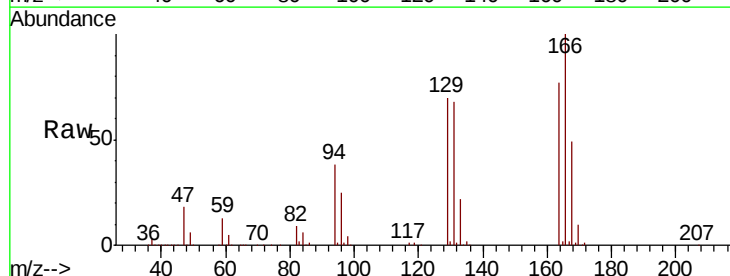
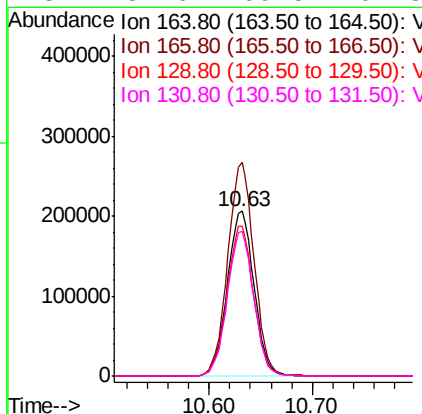
Manual Integrations
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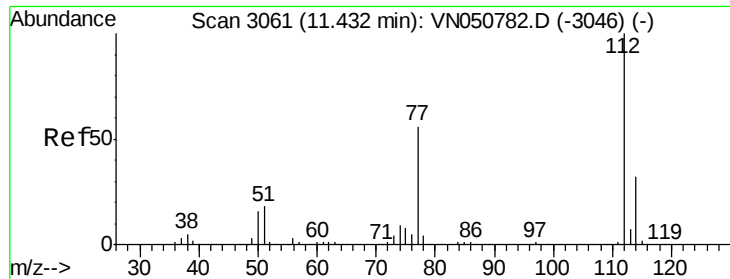
MMDadoda
9/5/2018 12:00:01 PM



#64
Tetrachloroethene
Concen: 49.42 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	372533		
166	129.5		103.5	155.3
129	91.1		72.7	109.1
131	87.6		69.5	104.3





#65

Chlorobenzene

Concen: 49.87 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1034513

Ion Ratio Lower Upper

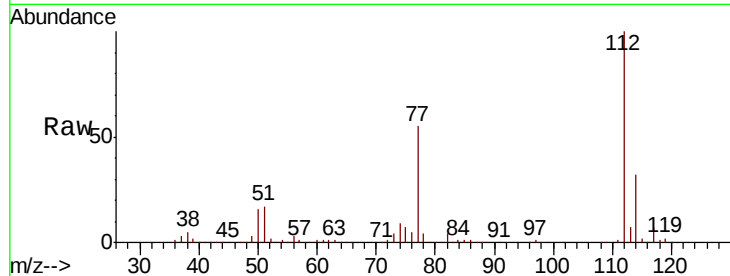
112 100

114 31.9 25.6 38.4

Manual Integrations
APPROVED

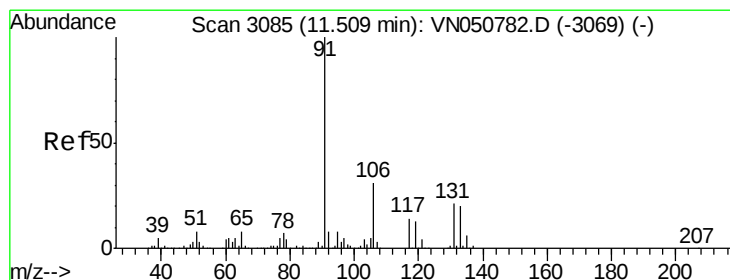
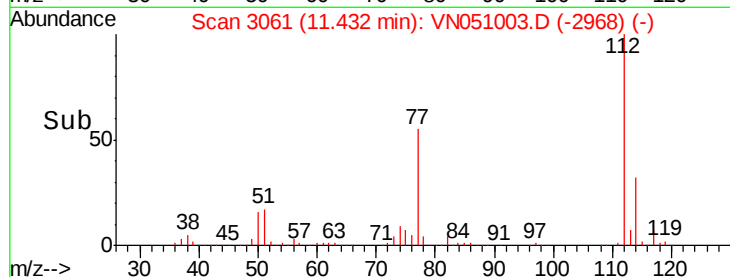
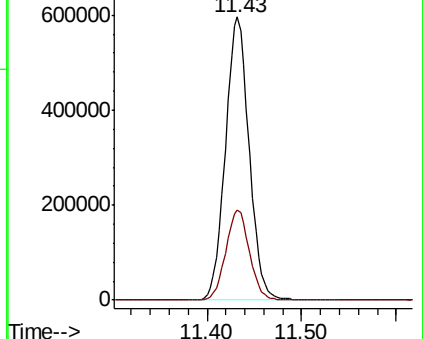
MMDadoda

9/5/2018 12:00:01 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.69 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

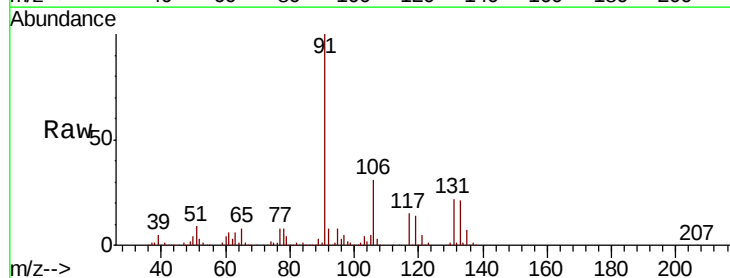
Tgt Ion:131 Resp: 384684

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

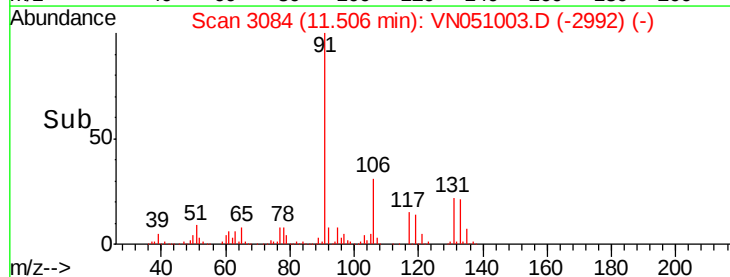
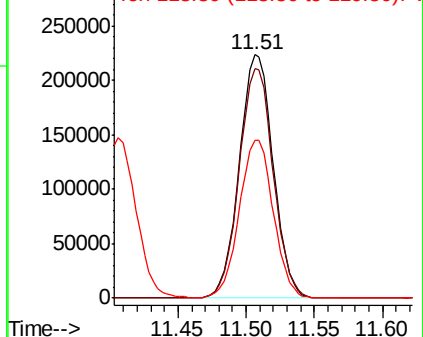
119 65.3 32.8 98.4

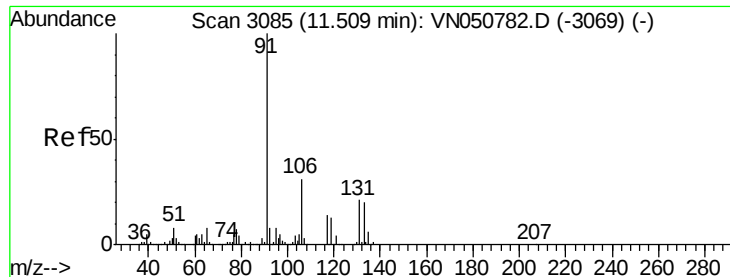


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.11 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1757252

Ion Ratio Lower Upper

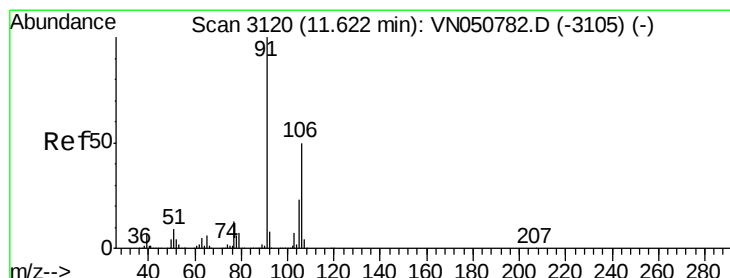
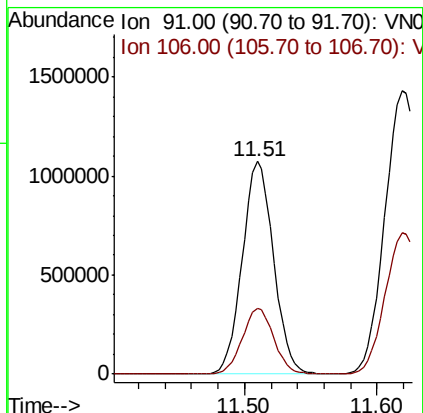
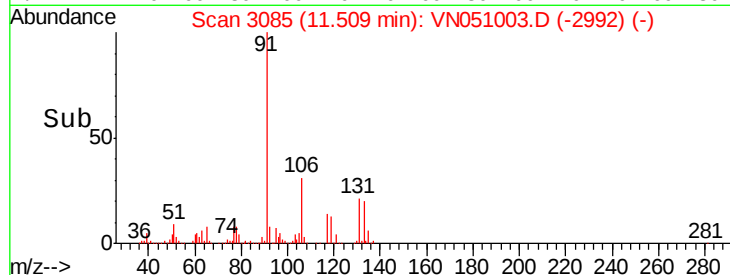
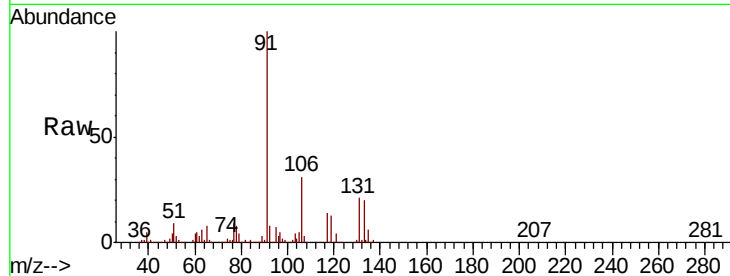
91 100

106 31.1 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 107.62 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN051003.D

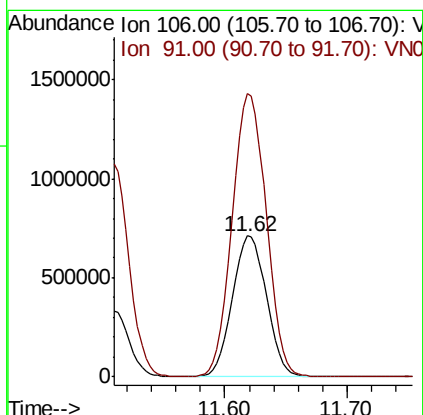
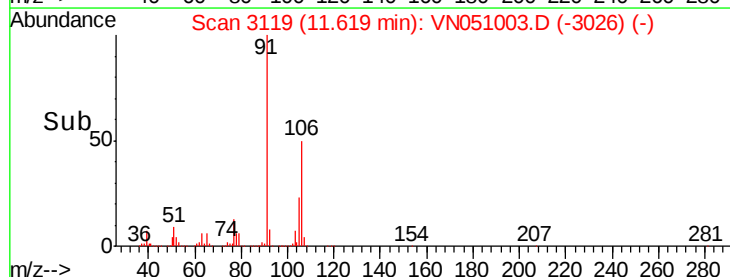
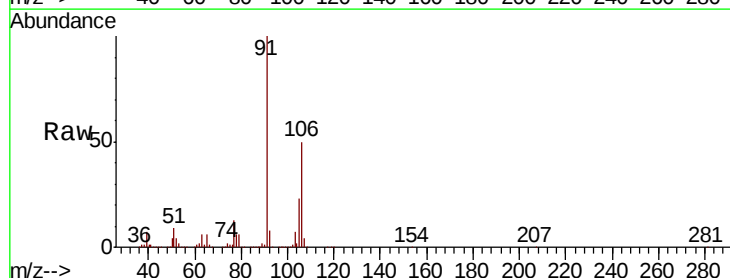
Acq: 4 Sep 2018 8:15

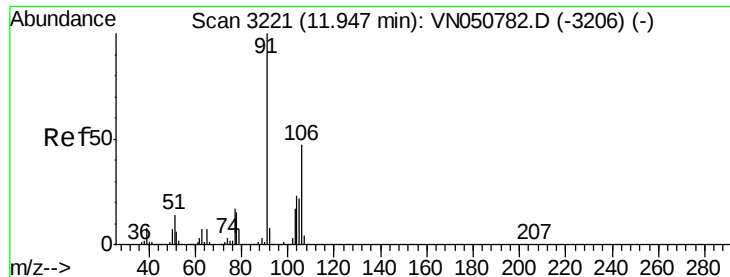
Tgt Ion: 106 Resp: 1377503

Ion Ratio Lower Upper

106 100

91 200.8 161.0 241.6





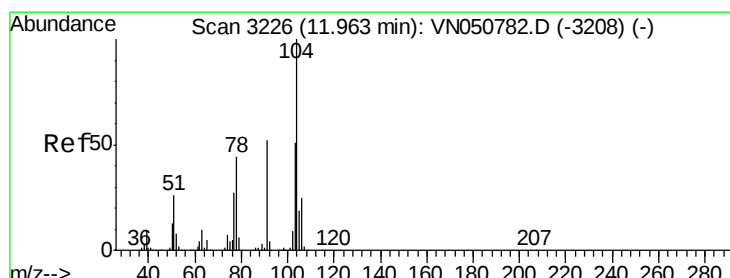
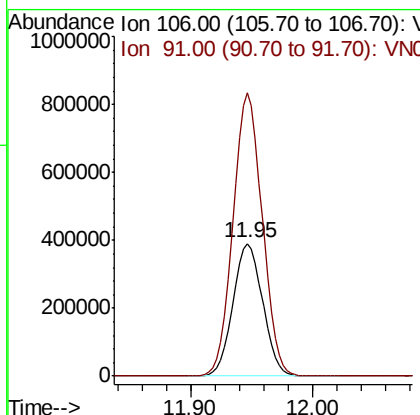
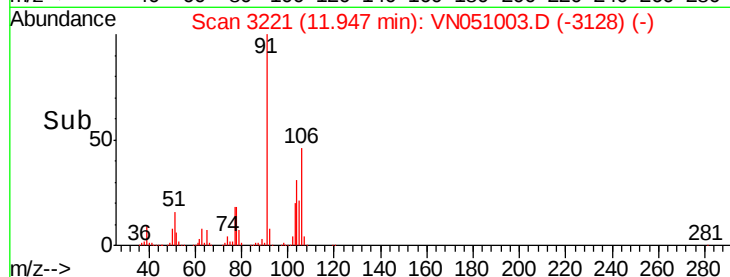
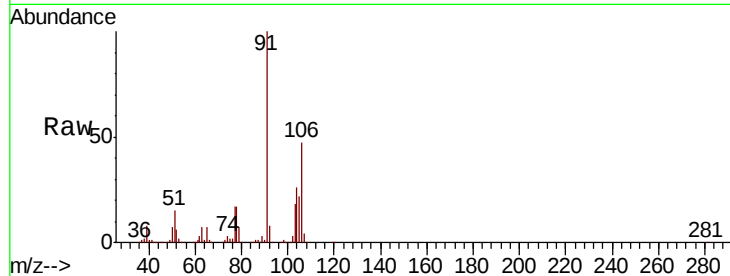
#69
o-Xylene
Concen: 53.53 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 658709
Ion Ratio Lower Upper
106 100
91 210.5 106.5 319.5

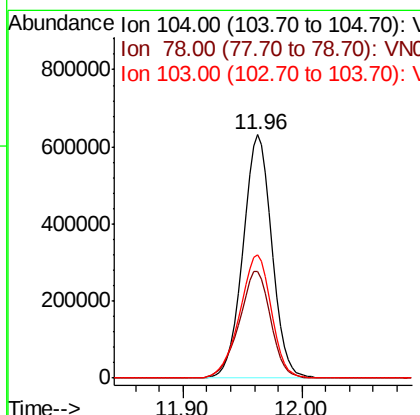
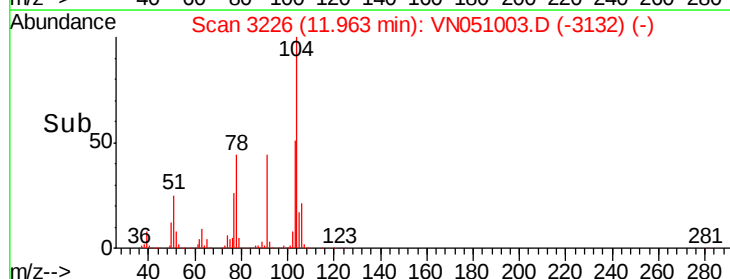
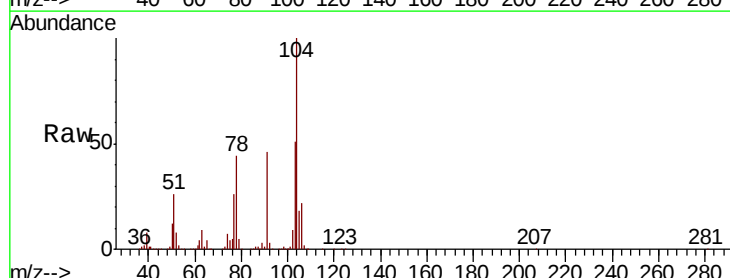
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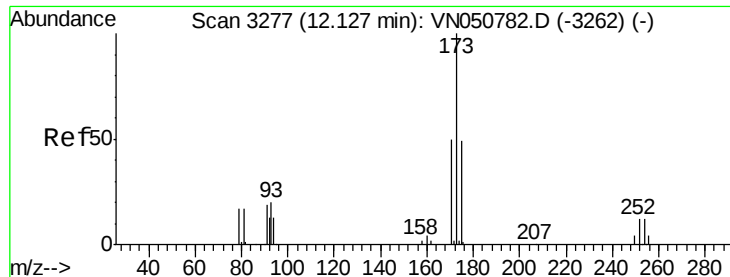
MMDadoda
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#70
Styrene
Concen: 48.90 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion:104 Resp: 1059837
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.4
103 55.5 44.4 66.6





#71

Bromoform

Concen: 50.10 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 261458

Ion Ratio Lower Upper

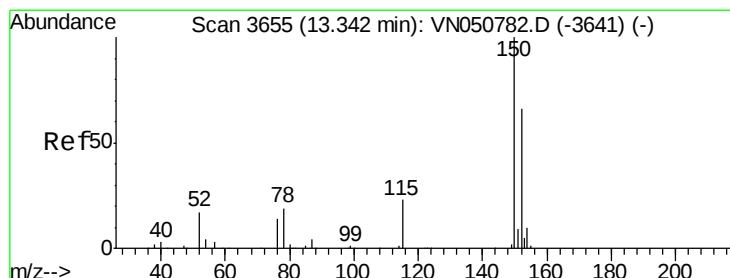
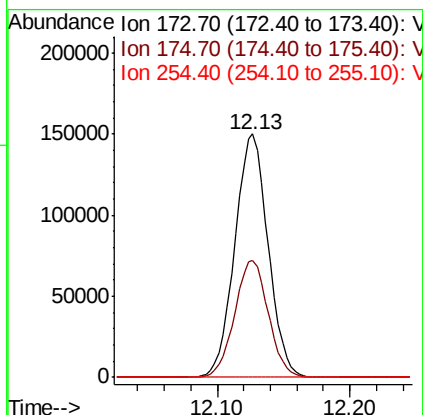
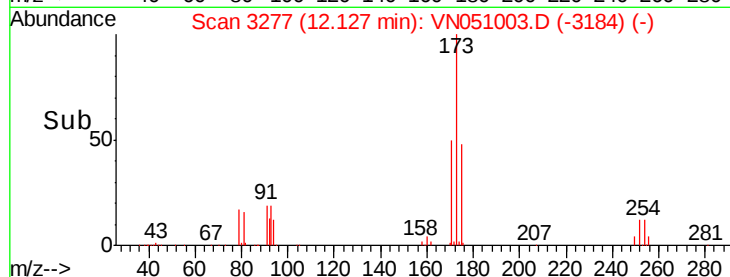
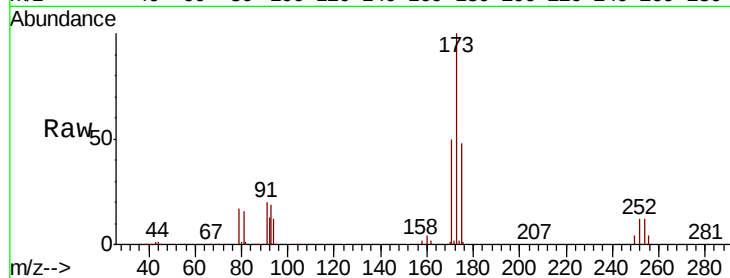
173 100

175 48.5 24.4 73.4

254 0.1 0.1 0.1#

Manual Integrations
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9/5/2018 12:00:01 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

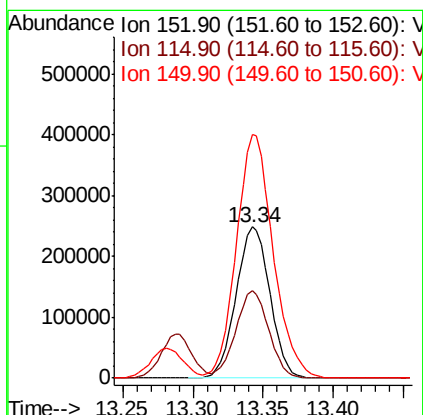
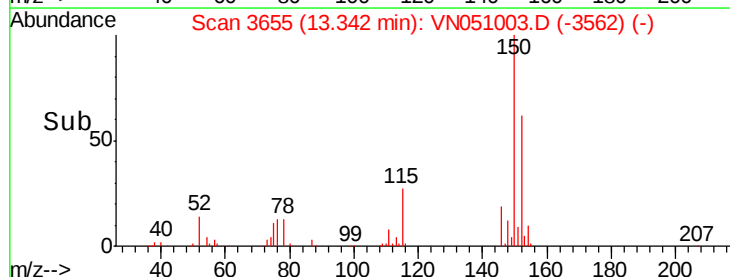
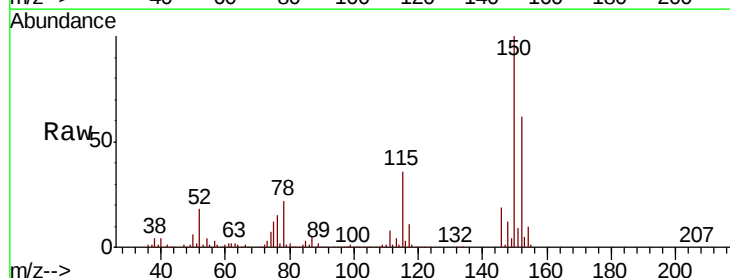
Tgt Ion:152 Resp: 415144

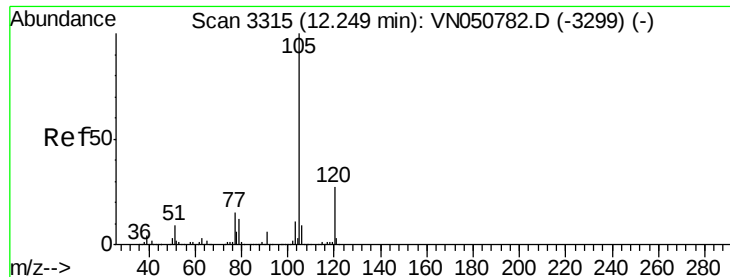
Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.4

150 175.6 0.0 351.4





#73

Isopropylbenzene

Concen: 51.18 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1759285

Ion Ratio Lower Upper

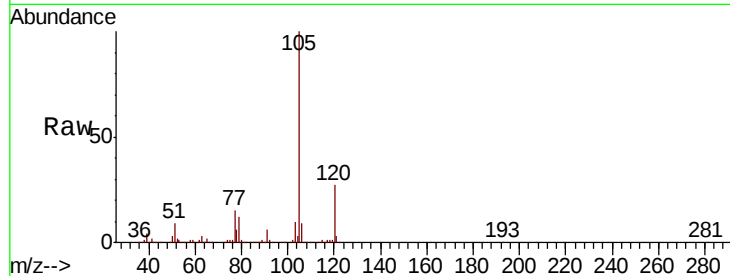
105 100

120 26.9 13.5 40.4

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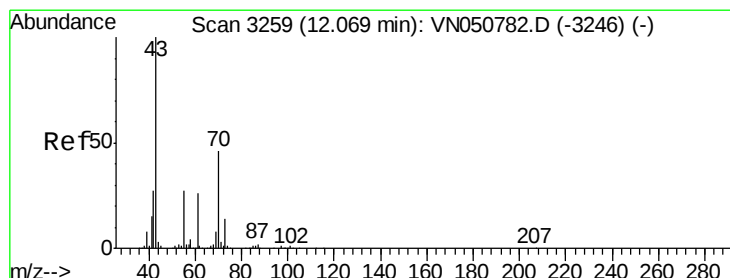
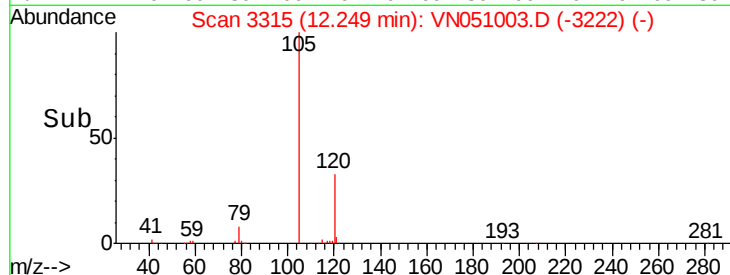
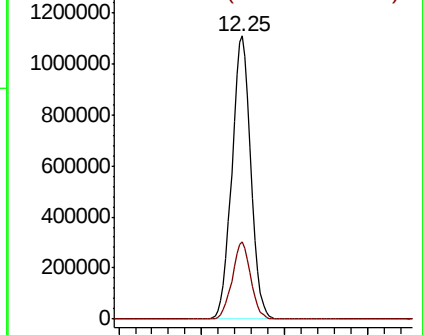
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.00 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion: 43 Resp: 380026

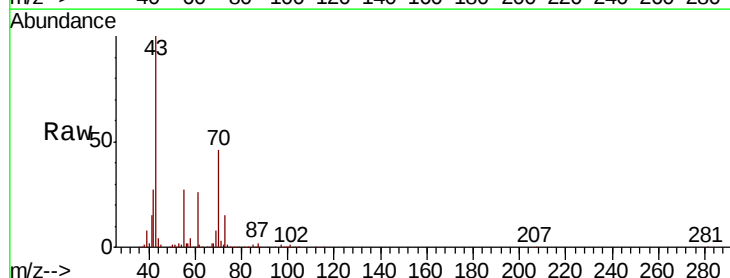
Ion Ratio Lower Upper

43 100

70 45.6 36.2 54.2

55 27.1 21.8 32.8

61 26.4 20.5 30.7

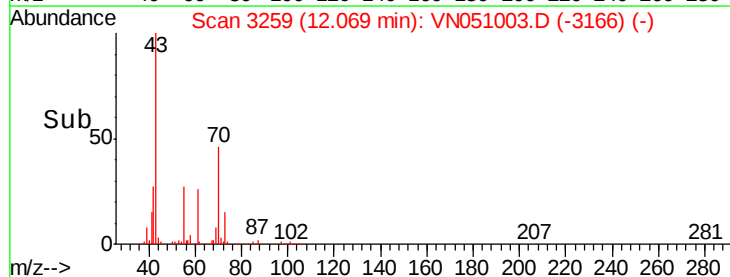
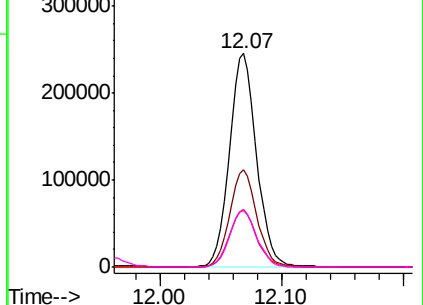


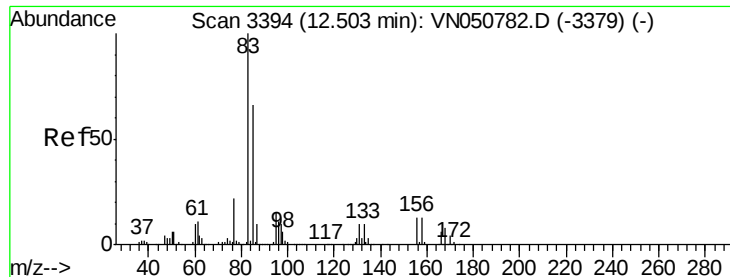
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.24 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 395801
Ion Ratio Lower Upper

83 100

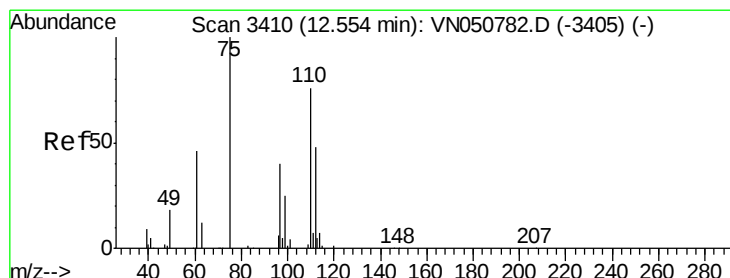
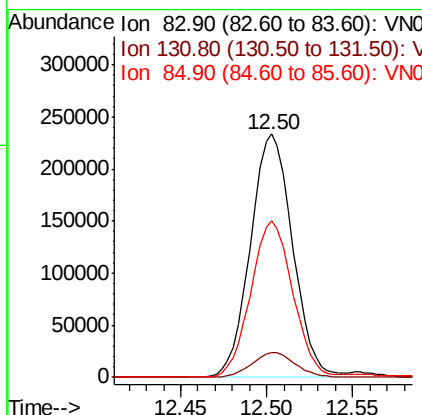
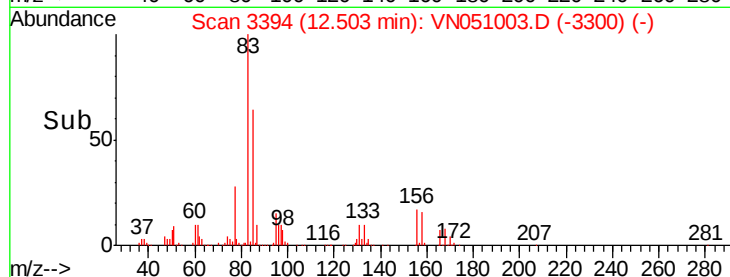
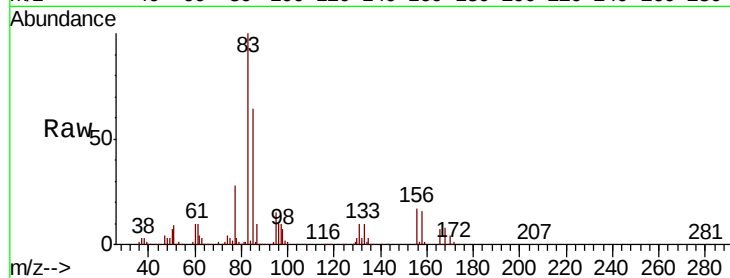
131 10.6 5.3 15.9

85 64.1 31.9 95.7

Manual Integrations
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9/5/2018 12:00:01 PM



#76

1,2,3-Trichloropropane

Concen: 45.40 ug/l m

RT: 12.55 min Scan# 3409

Delta R.T. -0.00 min

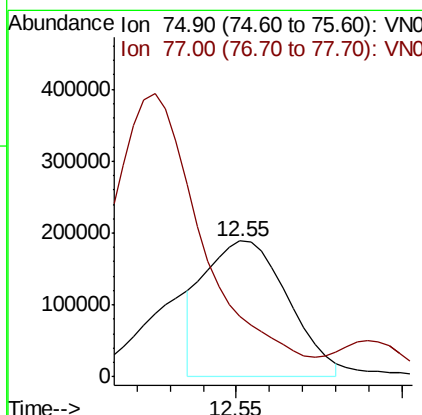
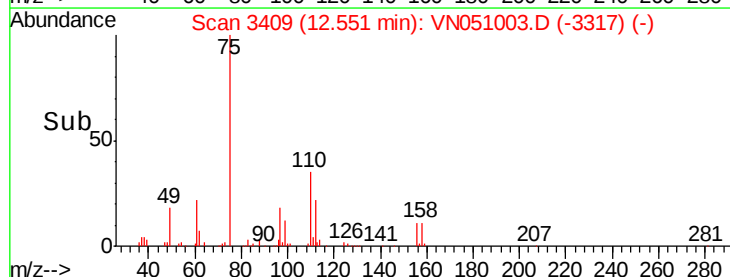
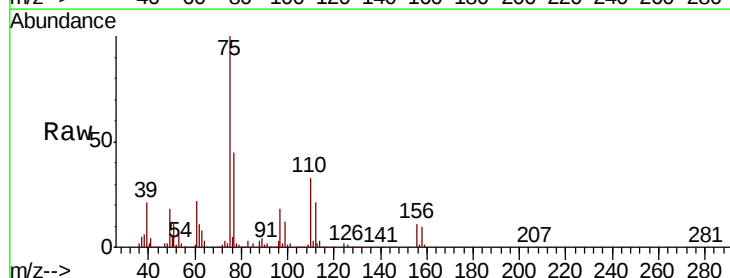
Lab File: VN051003.D

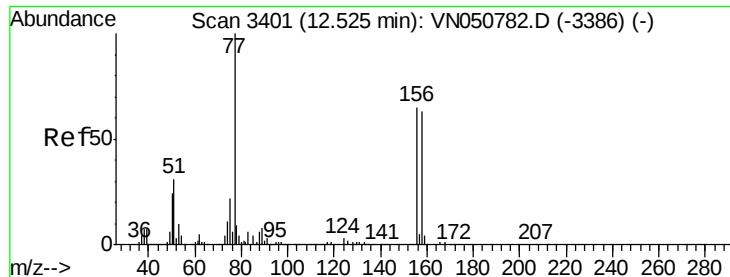
Acq: 4 Sep 2018 8:15

Tgt Ion: 75 Resp: 330122
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.05 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

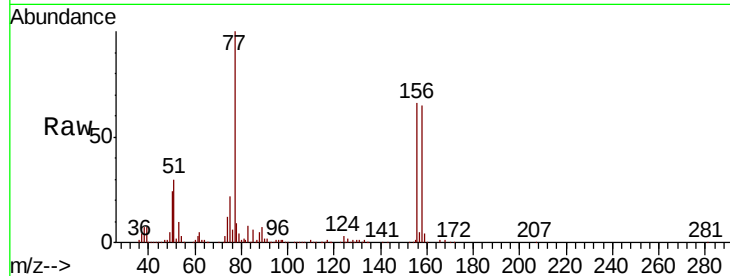
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	448911
Ion Ratio	Lower	Upper	
156	100		
77	173.3	89.9	269.7
158	97.1	49.3	147.9

Manual Integrations
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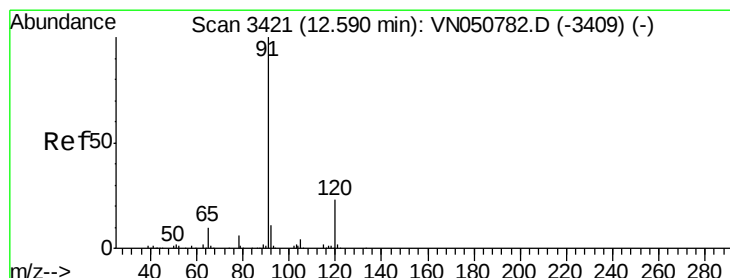
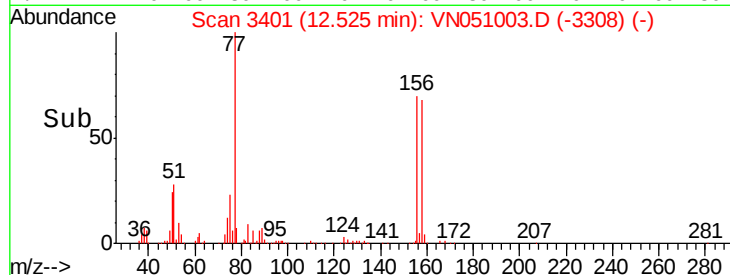
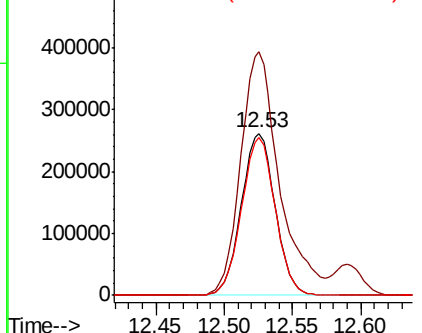
MMDadoda
9/5/2018 12:00:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.48 ug/l

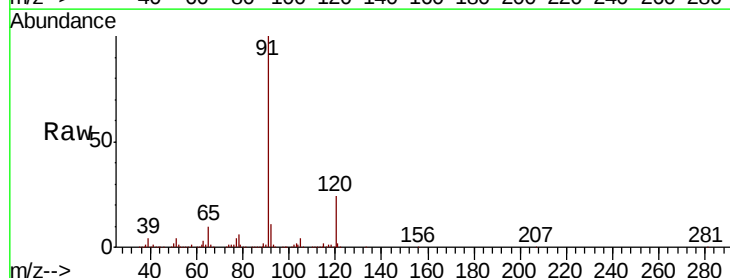
RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051003.D

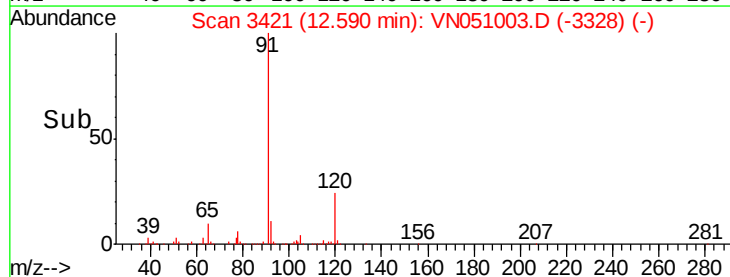
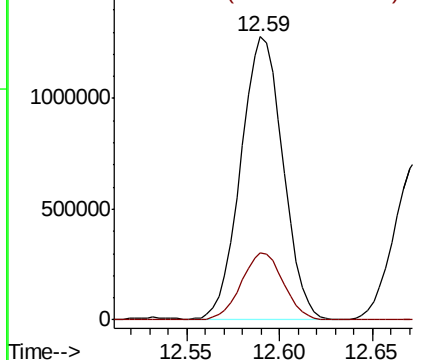
Acq: 4 Sep 2018 8:15

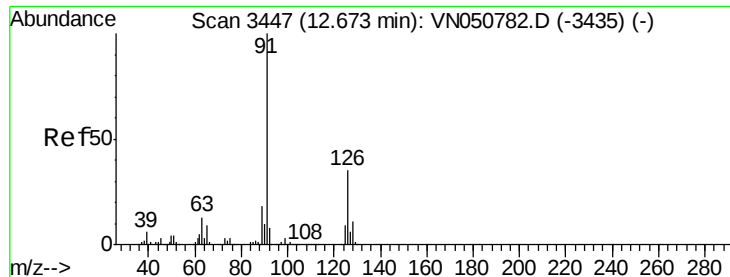
Tgt Ion:	91	Resp:	2015362
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.76 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1190157

Ion Ratio Lower Upper

91 100

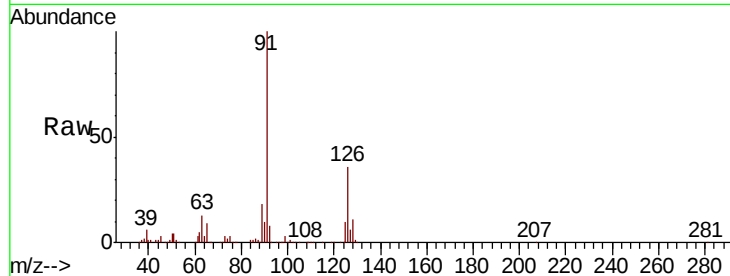
126 36.1 17.8 53.3

Manual Integrations

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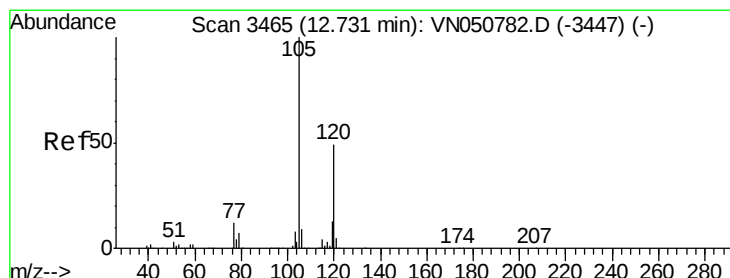
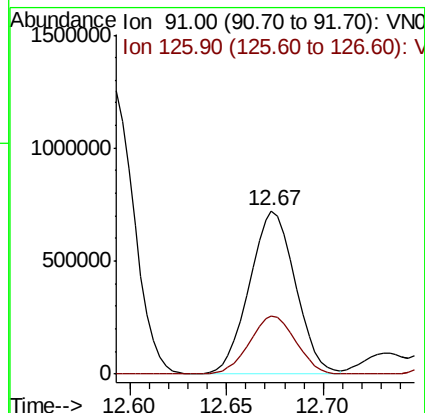
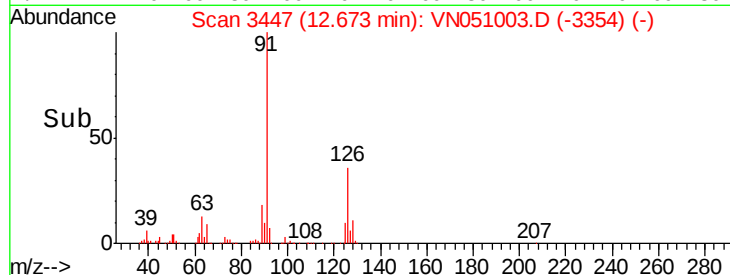
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9/5/2018 12:00:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051003.D (-3354) (-)

Ion 125.90 (125.60 to 126.60): VN051003.D (-3354) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.63 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN051003.D

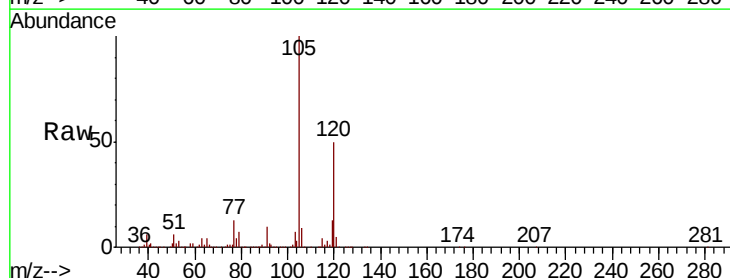
Acq: 4 Sep 2018 8:15

Tgt Ion:105 Resp: 1459776

Ion Ratio Lower Upper

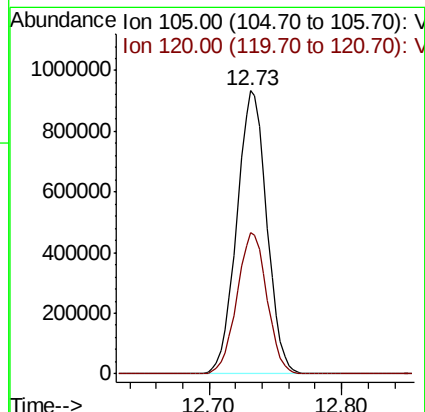
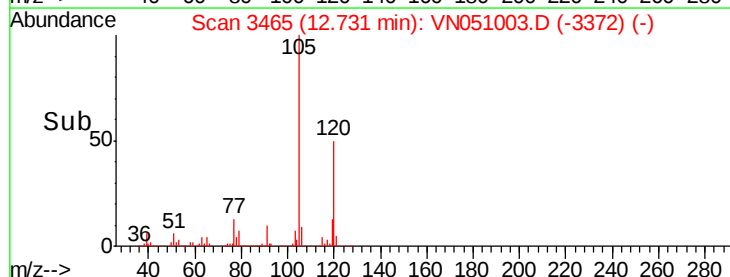
105 100

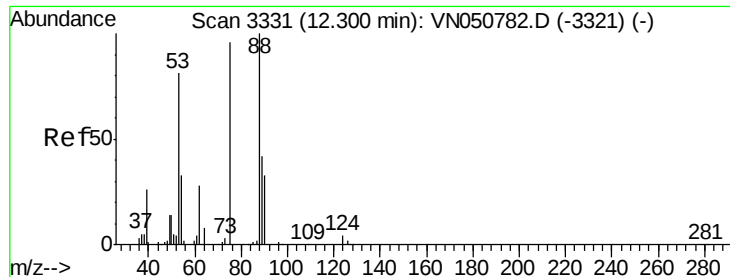
120 50.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051003.D (-3372) (-)

Ion 120.00 (119.70 to 120.70): VN051003.D (-3372) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.92 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 96626

Ion Ratio Lower Upper

75 100

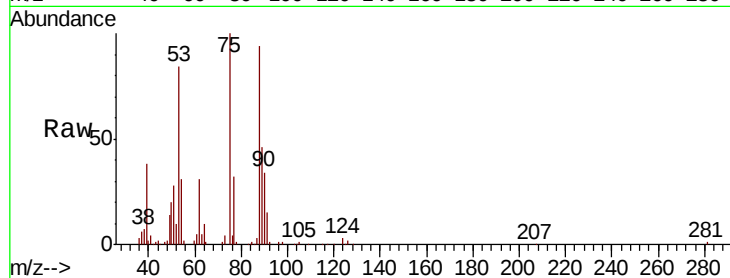
53 87.9 68.9 103.3

89 45.7 36.1 54.1

Manual Integrations
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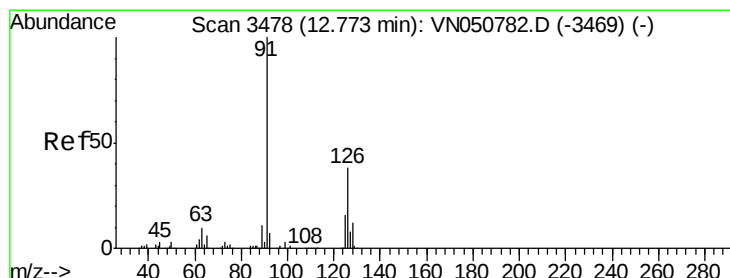
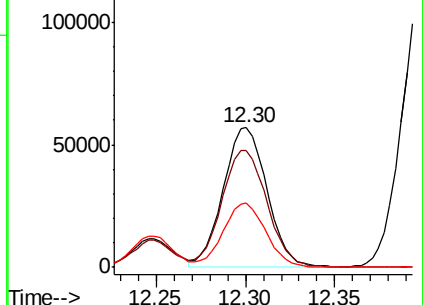
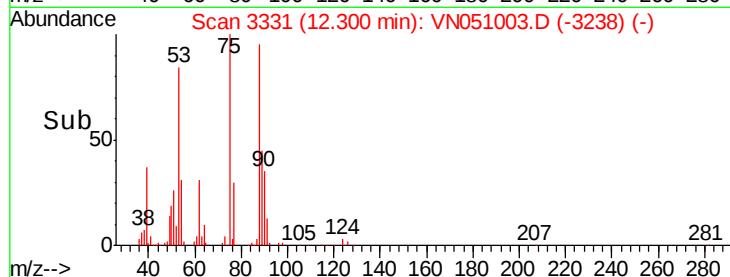
9/5/2018 12:00:01 PM



Abundance Ion 74.90 (74.60 to 75.60): VN051003.D (-3338) (-)

Ion 53.00 (52.70 to 53.70): VN051003.D (-3338) (-)

Ion 88.90 (88.60 to 89.60): VN051003.D (-3338) (-)



#82

4-Chlorotoluene

Concen: 50.70 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN051003.D

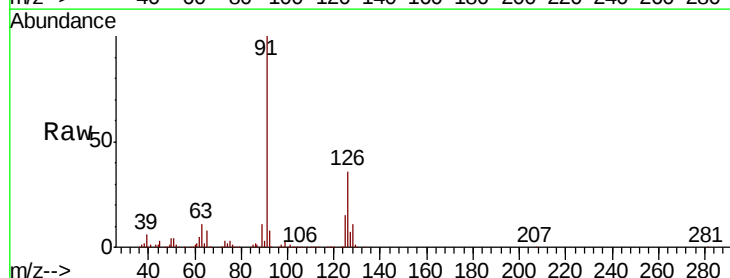
Acq: 4 Sep 2018 8:15

Tgt Ion: 91 Resp: 1197243

Ion Ratio Lower Upper

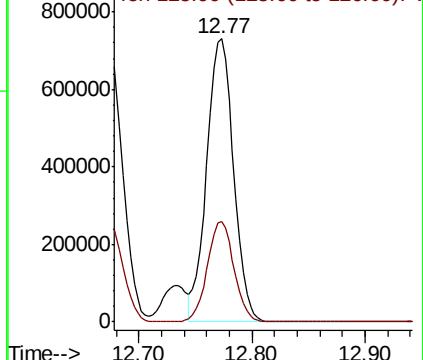
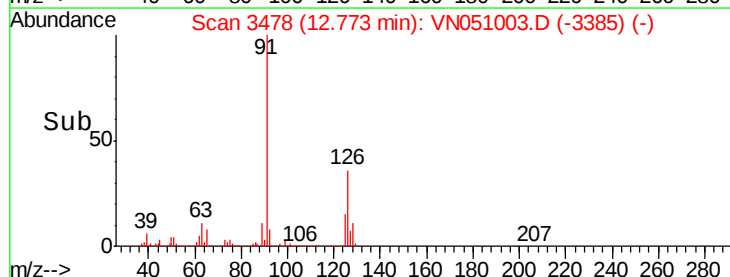
91 100

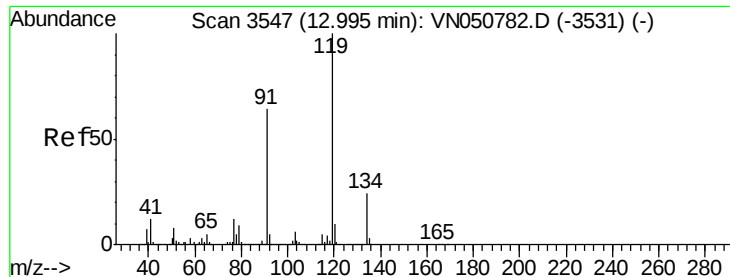
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN051003.D (-3385) (-)

Ion 125.90 (125.60 to 126.60): VN051003.D (-3385) (-)





#83

tert-Butylbenzene

Concen: 52.68 ug/l

RT: 12.99 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1265532

Ion Ratio Lower Upper

119 100

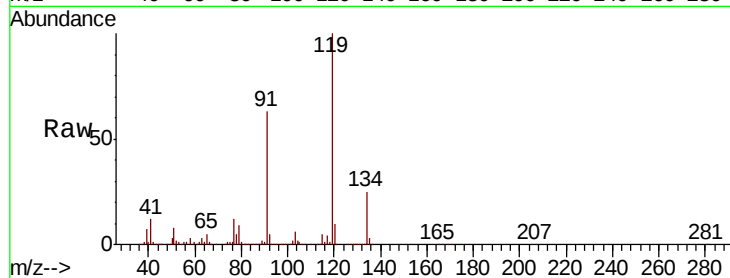
91 62.1 31.6 94.7

134 26.9 13.4 40.1

Manual Integrations
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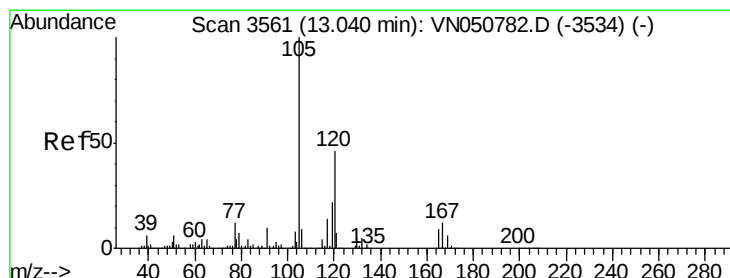
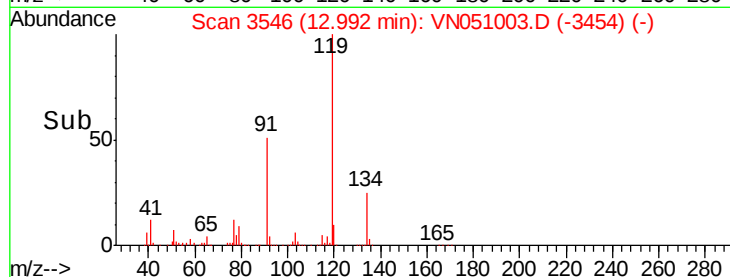
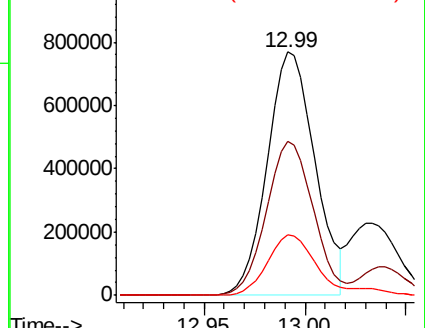
9/5/2018 12:00:01 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.11 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN051003.D

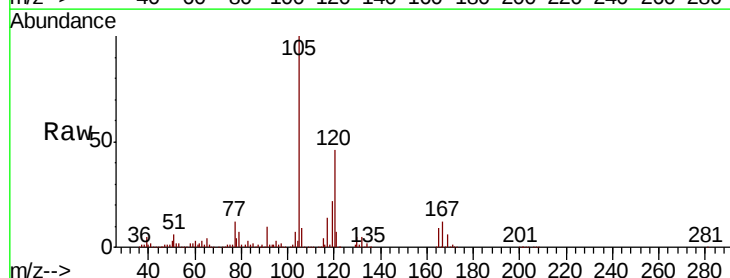
Acq: 4 Sep 2018 8:15

Tgt Ion:105 Resp: 1481856

Ion Ratio Lower Upper

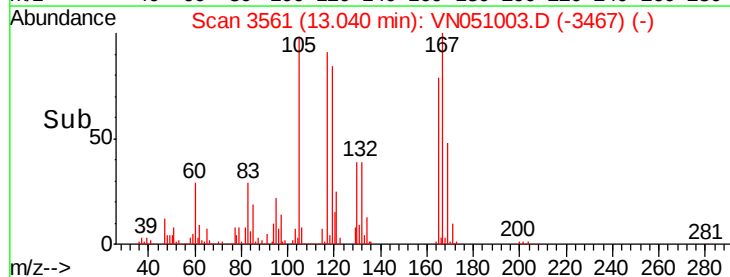
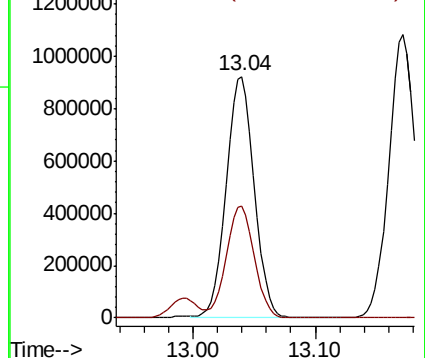
105 100

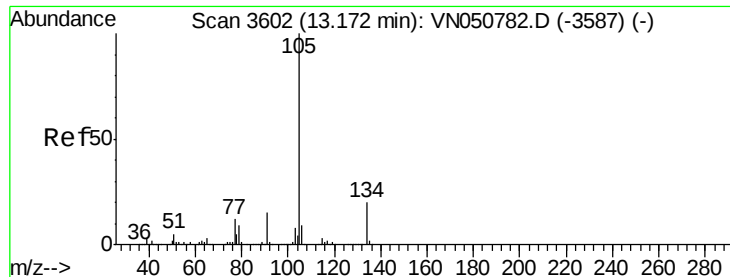
120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.58 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1686434

Ion Ratio Lower Upper

105 100

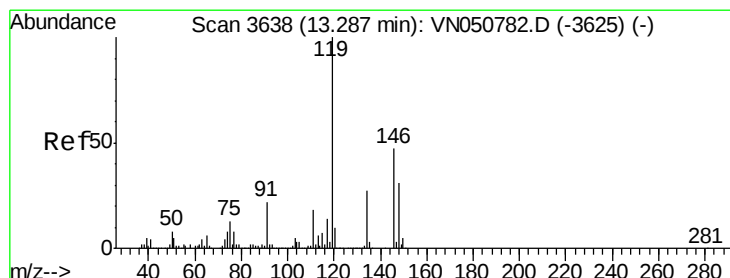
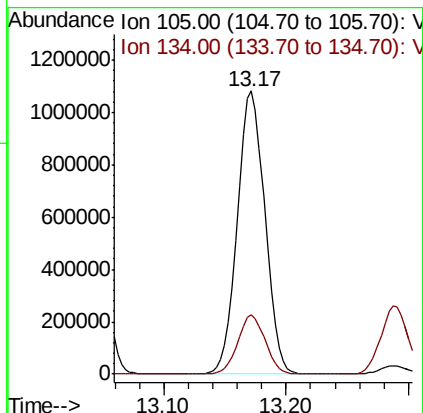
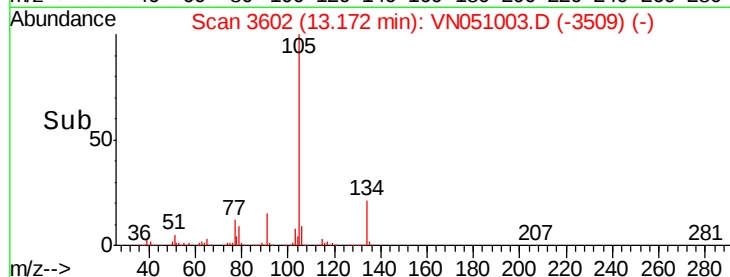
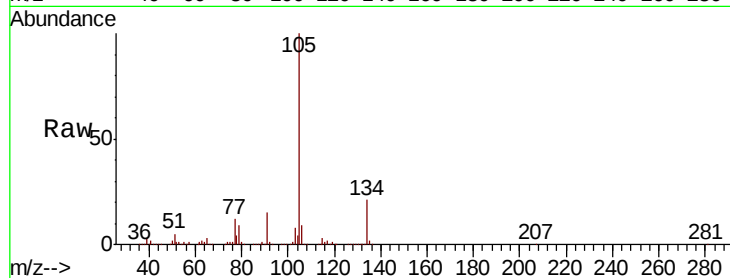
134 20.7 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.04 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

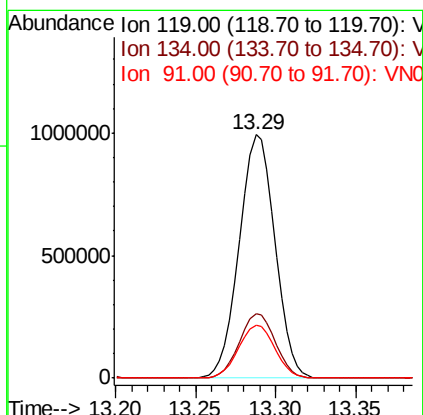
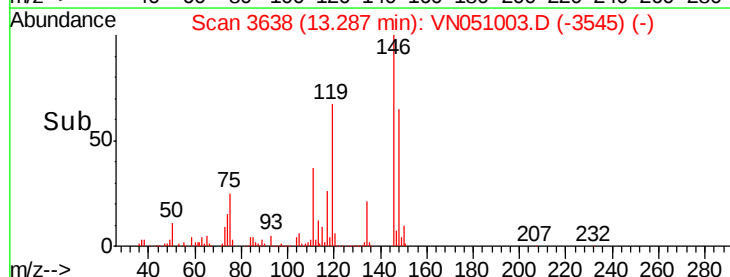
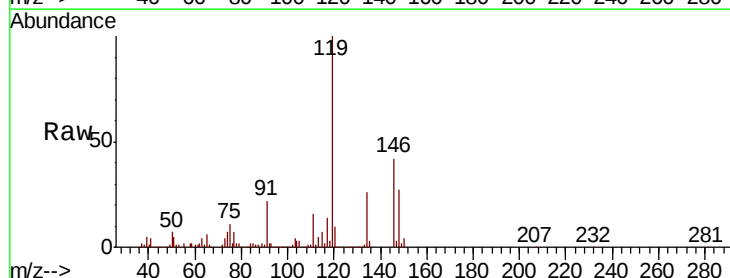
Tgt Ion:119 Resp: 1503163

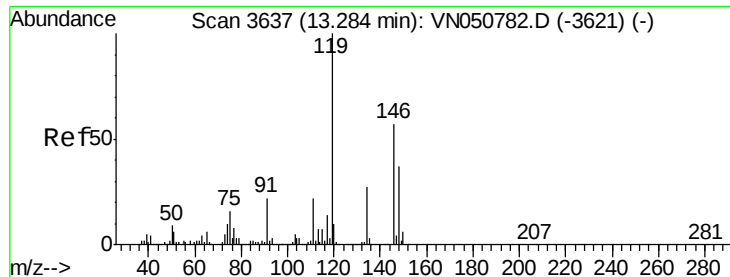
Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 21.9 11.2 33.5





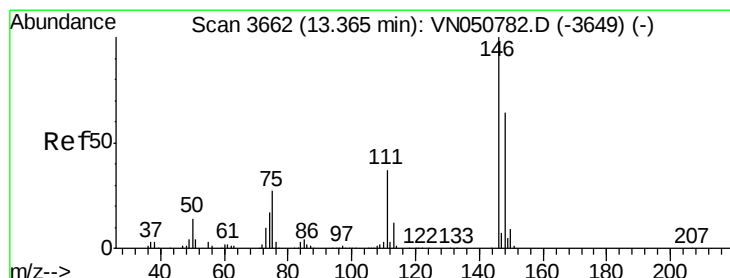
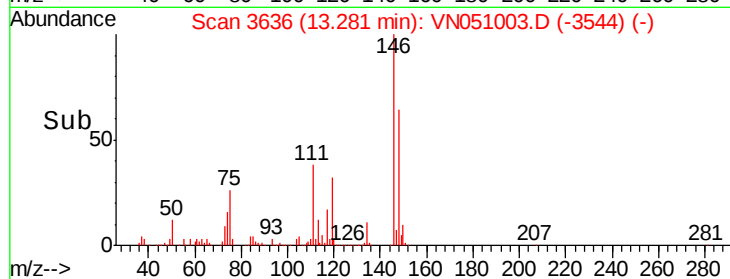
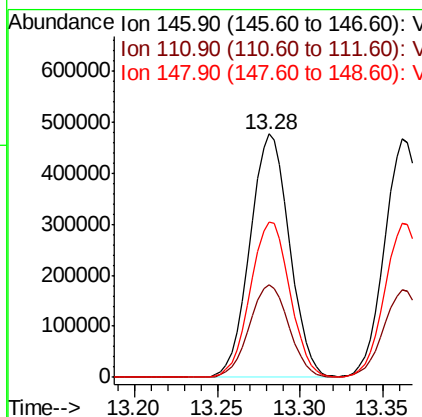
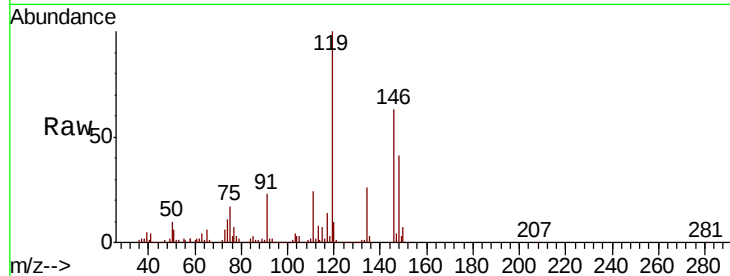
#87
 1,3-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.1	32.2	96.6

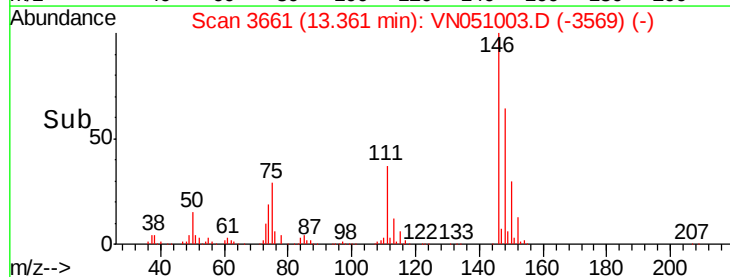
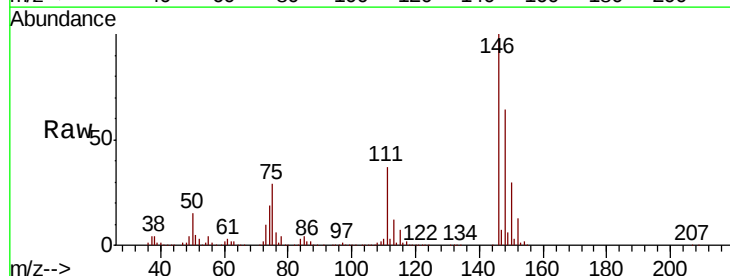
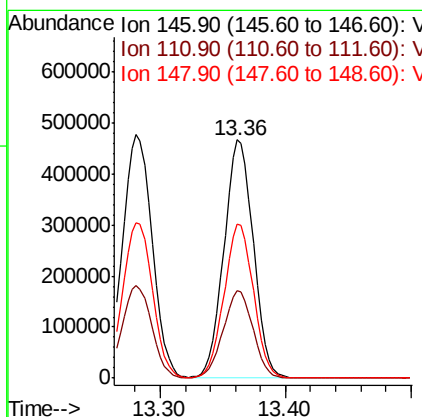
Manual Integrations
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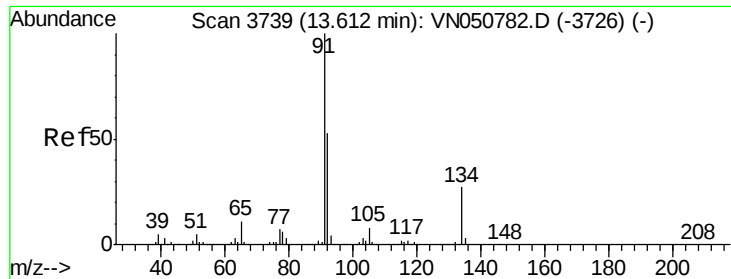
MMDadoda
 9/5/2018 12:00:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.7	32.2	96.6





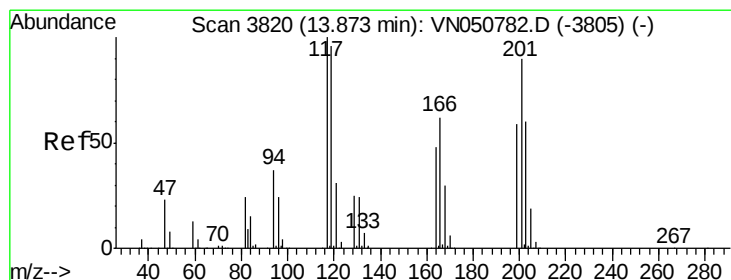
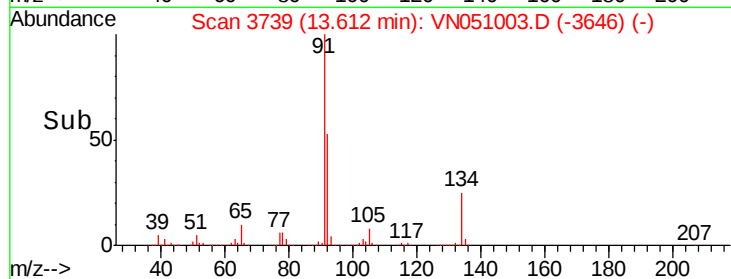
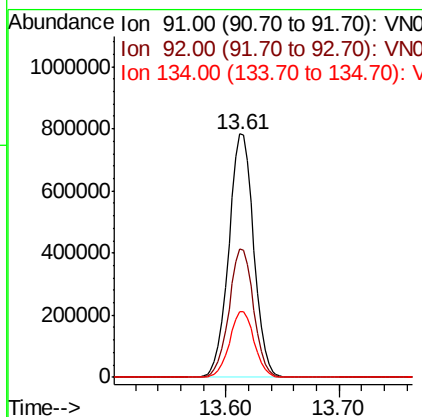
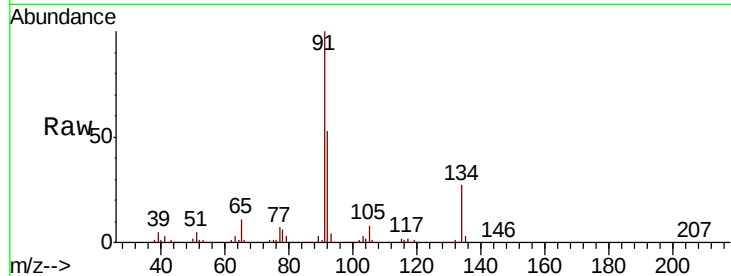
#89
n-Butylbenzene
Concen: 55.83 ug/l
RT: 13.61 min Scan# 3739
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1197652
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 26.9 13.2 39.6

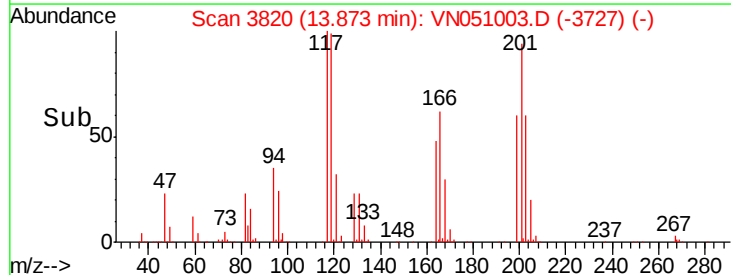
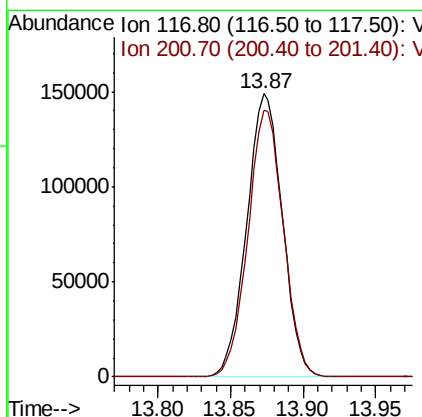
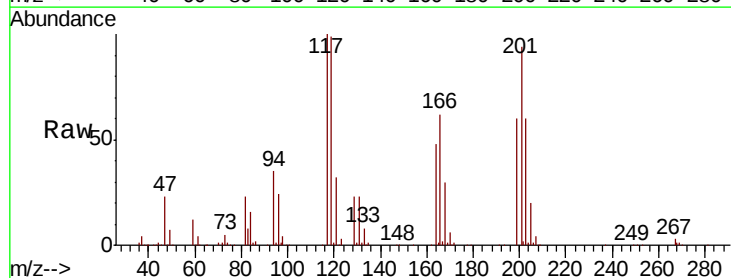
Manual Integrations
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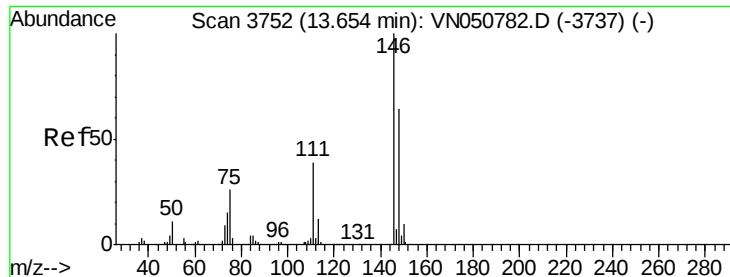
MMDadoda
9/5/2018 12:00:01 PM



#90
Hexachloroethane
Concen: 49.88 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 117 Resp: 254944
Ion Ratio Lower Upper
117 100
201 93.6 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 49.44 ug/l

RT: 13.65 min Scan# 3751

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

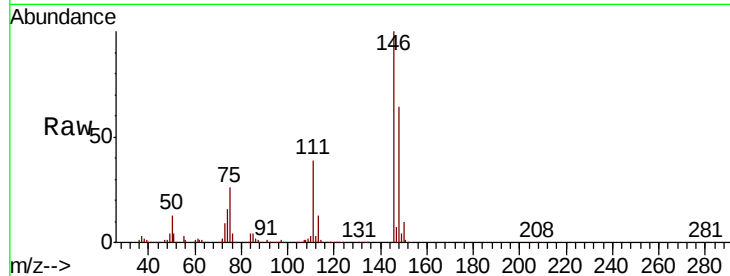
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	756145
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.3
148	64.1	32.3	96.8

Manual Integrations
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9/5/2018 12:00:01 PM

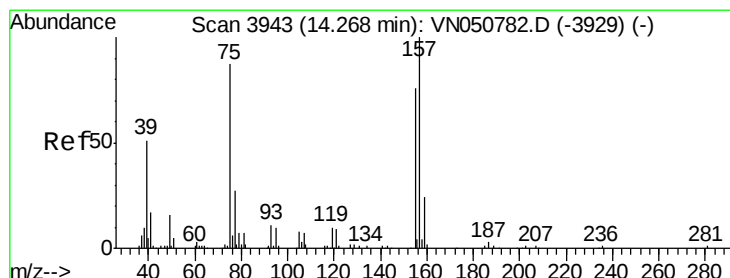
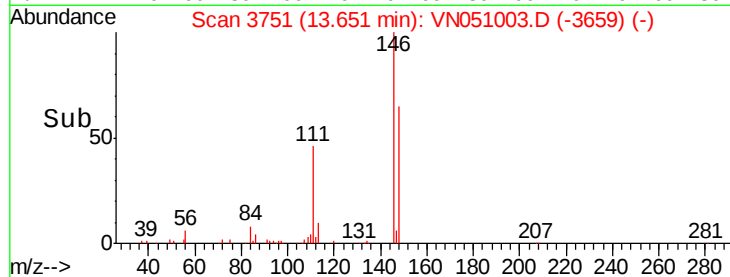
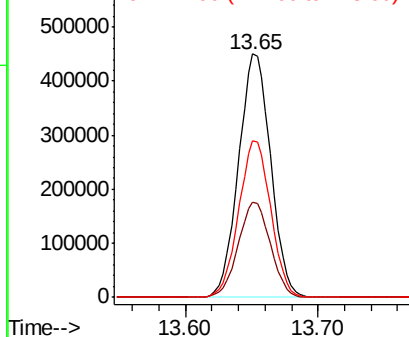


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.98 ug/l

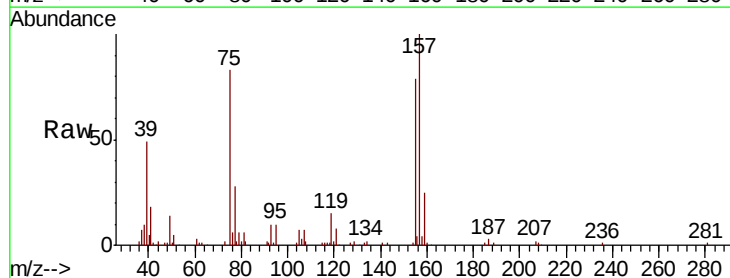
RT: 14.27 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion:	75	Resp:	53062
Ion Ratio	Lower	Upper	
75	100		
155	93.8	46.4	139.1
157	121.4	60.7	182.0

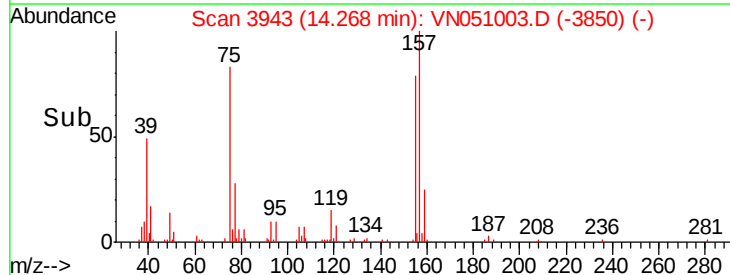
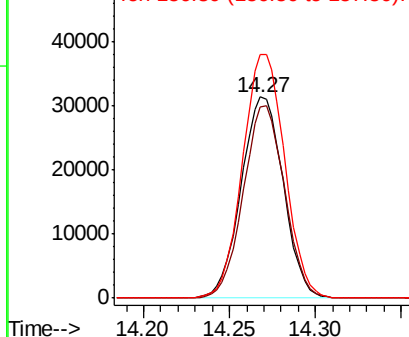


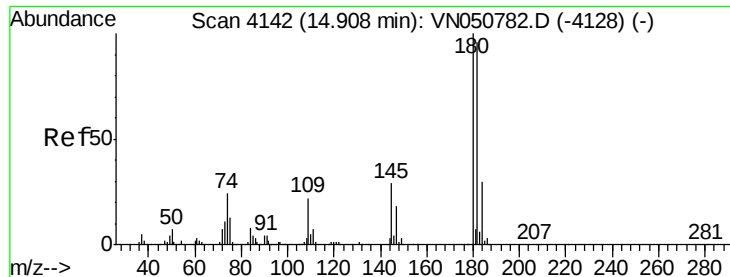
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





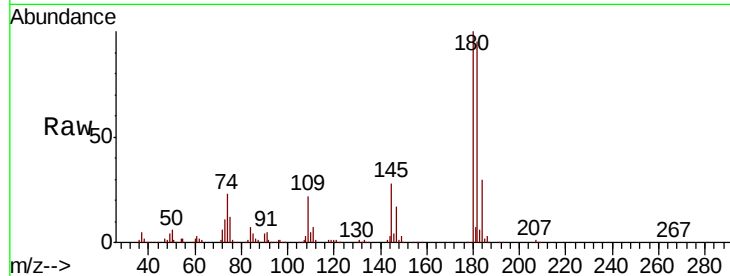
#93
 1,2,4-Trichlorobenzene
 Concen: 44.55 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	48.2	144.6	
145	27.7	14.1	42.2	

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:01 PM

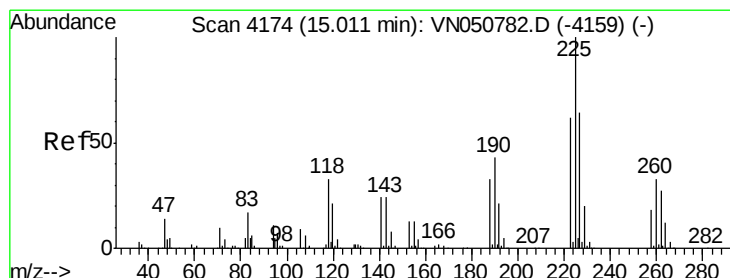
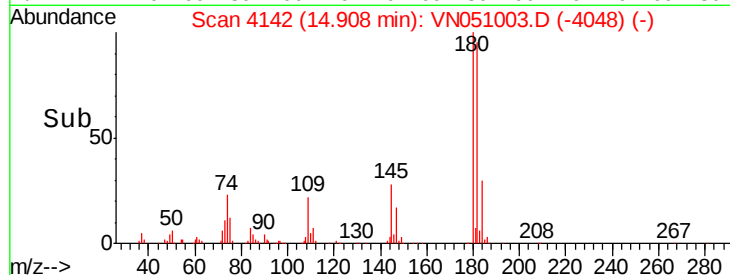
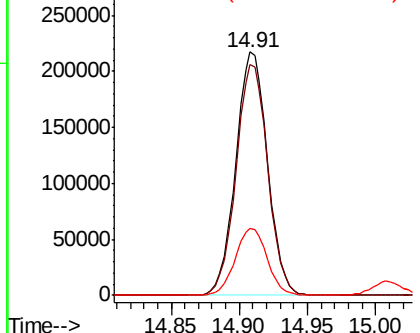


Abundance

Ion 179.80 (179.50 to 180.50): V

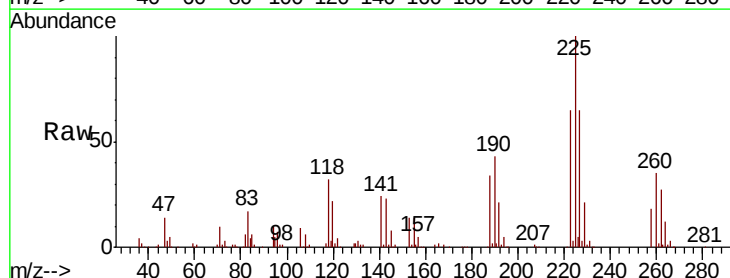
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.3	93.8	
227	64.6	32.0	96.2	

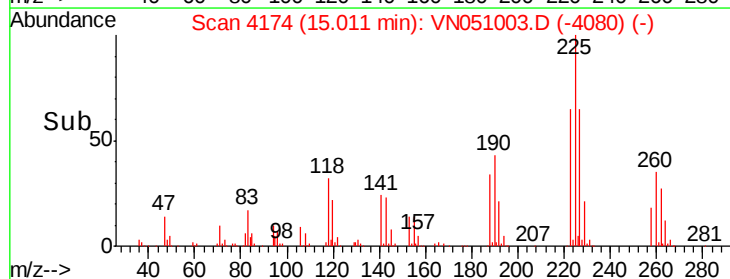
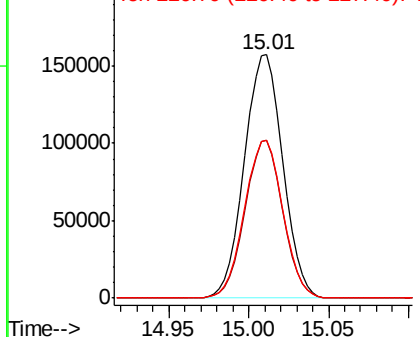


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





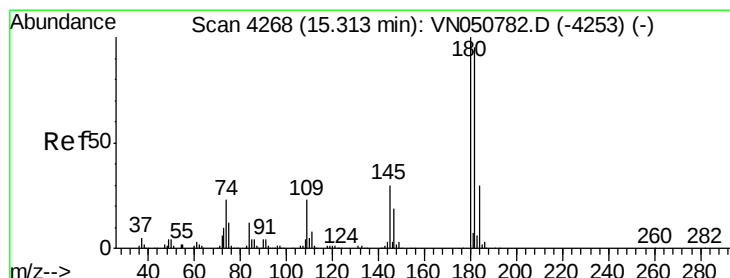
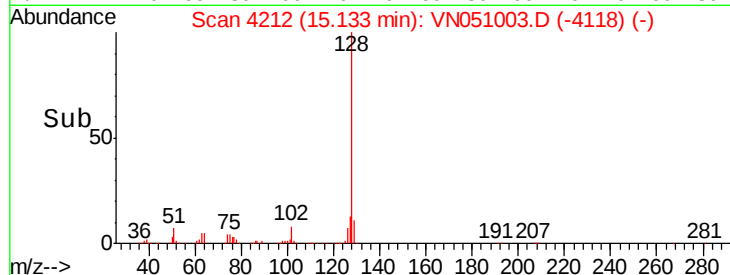
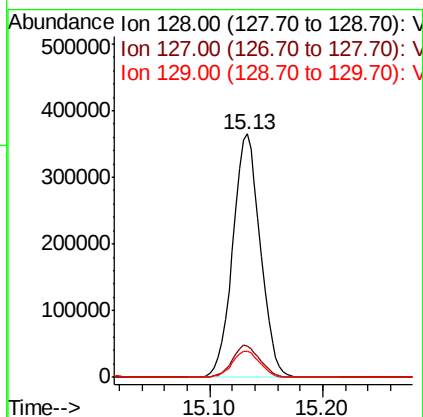
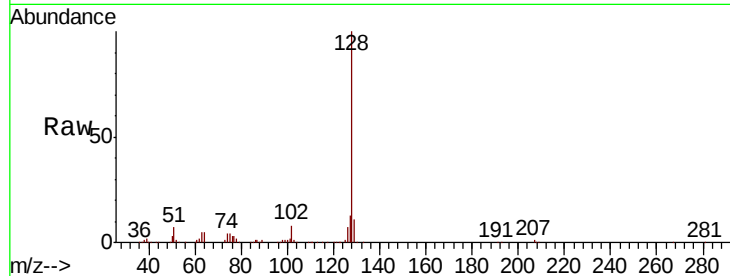
#95
Naphthalene
Concen: 38.56 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	616629		
127	13.3	10.5	15.7	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.01 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	333124		
182	96.2	48.0	144.2	
145	29.8	15.2	45.6	

