

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050208.D
 Acq On : 31 Jul 2018 11:49
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:14:03 AM

Quant Time: Jul 31 18:04:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	636439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	898019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422197	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.59	113	381748	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1434509	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.40	95	503535	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433712	47.428	ug/l	100
3) Chloromethane	2.06	50	407447	40.990	ug/l	99
4) Vinyl Chloride	2.18	62	447567	42.756	ug/l	98
5) Bromomethane	2.56	94	185694	31.576	ug/l	100
6) Chloroethane	2.70	64	264466	42.068	ug/l	100
7) Trichlorofluoromethane	3.01	101	603475	44.502	ug/l	99
8) Diethyl Ether	3.41	74	205915	45.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	379868	46.584	ug/l	100
10) Methyl Iodide	3.95	142	197477	18.868	ug/l	99
11) Tert butyl alcohol	4.79	59	137511	210.467	ug/l	100
12) 1,1-Dichloroethene	3.73	96	324598	44.252	ug/l	95
13) Acrolein	3.61	56	49727	94.729	ug/l	94
14) Allyl chloride	4.32	41	532804	46.843	ug/l	99
15) Acrylonitrile	4.99	53	640882	224.829	ug/l	100
16) Acetone	3.82	43	557736	266.947	ug/l	99
17) Carbon Disulfide	4.05	76	922796	41.064	ug/l	100
18) Methyl Acetate	4.32	43	417585	51.374	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	935098	47.836	ug/l	100
20) Methylene Chloride	4.55	84	382890	48.597	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	355959	45.796	ug/l	98
22) Diisopropyl ether	5.95	45	1152487	51.101	ug/l	99
23) Vinyl Acetate	5.90	43	3738464	234.565	ug/l	100
24) 1,1-Dichloroethane	5.85	63	681929	46.240	ug/l	100
25) 2-Butanone	6.84	43	788861	232.909	ug/l	100
26) 2,2-Dichloropropane	6.82	77	575430	51.290	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	400668	47.886	ug/l	98
28) Bromochloromethane	7.19	49	325820	48.437	ug/l	99
29) Tetrahydrofuran	7.21	42	488117	223.022	ug/l	99
30) Chloroform	7.37	83	692047	45.985	ug/l	99
31) Cyclohexane	7.65	56	574033	46.930	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	588821	45.740	ug/l	99
36) 1,1-Dichloropropene	7.79	75	518803	51.279	ug/l	99
37) Ethyl Acetate	6.93	43	327305	46.400	ug/l	100
38) Carbon Tetrachloride	7.77	117	530966	49.459	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	556025	53.422	ug/l	99
40) Benzene	8.04	78	1551537	50.396	ug/l	99
41) Methacrylonitrile	7.18	41	182224	49.621	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	499779	48.659	ug/l	100
43) Isopropyl Acetate	8.17	43	614422	46.134	ug/l	100
44) Trichloroethene	8.83	130	403545	48.780	ug/l	97
45) 1,2-Dichloropropane	9.12	63	414685	50.854	ug/l	100
46) Dibromomethane	9.21	93	250382	49.450	ug/l	98
47) Bromodichloromethane	9.40	83	534869	50.050	ug/l	99
48) Methyl methacrylate	9.20	41	306678	50.482	ug/l	98
49) 1,4-Dioxane	9.20	88	86145	1041.974	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1715501	247.391	ug/l	100
52) Toluene	10.16	92	971208	53.442	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	545254	54.071	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622671	54.029	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	363225	50.390	ug/l	99
56) Ethyl methacrylate	10.43	69	457799	47.010	ug/l	100
57) 1,3-Dichloropropane	10.71	76	607043	51.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1069198	234.904	ug/l	100
59) 2-Hexanone	10.75	43	1213344	238.368	ug/l	100
60) Dibromochloromethane	10.90	129	413432	51.803	ug/l	99
61) 1,2-Dibromoethane	11.01	107	358321	50.101	ug/l	99
64) Tetrachloroethene	10.63	164	383485	47.054	ug/l	99
65) Chlorobenzene	11.43	112	1062308	49.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	403191	49.007	ug/l	99
67) Ethyl Benzene	11.51	91	1839142	53.470	ug/l	100
68) m/p-Xylenes	11.62	106	1436012	110.377	ug/l	100
69) o-Xylene	11.95	106	684042	55.154	ug/l	98
70) Styrene	11.96	104	1129719	51.194	ug/l	99
71) Bromoform	12.13	173	294704	49.242	ug/l #	99
73) Isopropylbenzene	12.25	105	1844622	51.102	ug/l	99
74) N-amyl acetate	12.07	43	516911	46.855	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	470319	48.739	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	389904m	45.077	ug/l	
77) Bromobenzene	12.53	156	473309	47.310	ug/l	100
78) n-propylbenzene	12.59	91	2166778	53.704	ug/l	100
79) 2-Chlorotoluene	12.67	91	1267776	50.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1539493	54.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130313	47.786	ug/l	99
82) 4-Chlorotoluene	12.77	91	1311720	52.968	ug/l	99
83) tert-Butylbenzene	12.99	119	1310059	52.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1575127	55.038	ug/l	99
85) sec-Butylbenzene	13.17	105	1808474	54.624	ug/l	100
86) p-Isopropyltoluene	13.29	119	1579912	56.633	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	858438	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	834475	50.481	ug/l	99
89) n-Butylbenzene	13.62	91	1303630	56.827	ug/l	100
90) Hexachloroethane	13.88	117	288415	46.560	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	821657	48.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69165	42.889	ug/l	97

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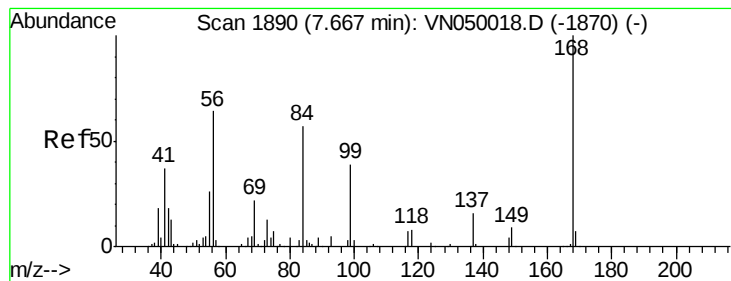
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	415192	46.414	ug/l	97
94) Hexachlorobutadiene	15.01	225	259782	50.054	ug/l	99
95) Naphthalene	15.14	128	858608	41.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408525	46.798	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 636439

Ion Ratio Lower Upper

168 100

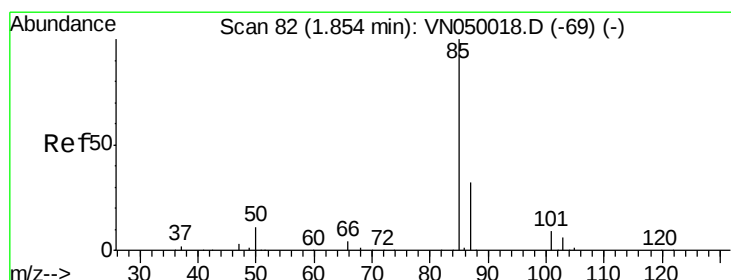
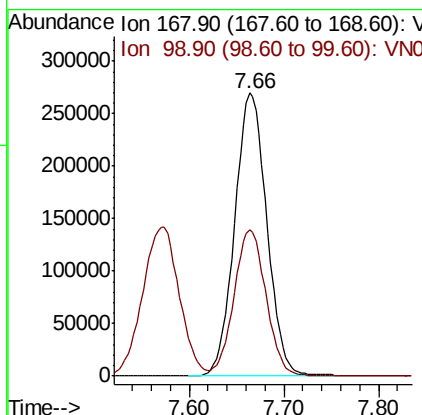
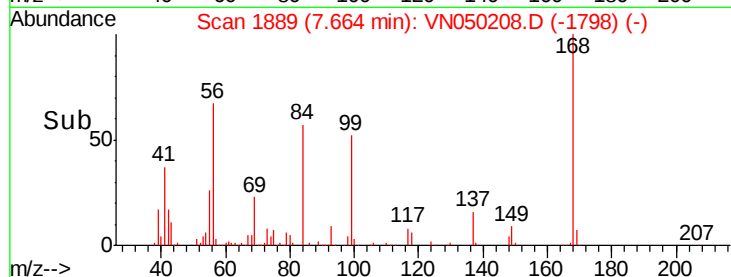
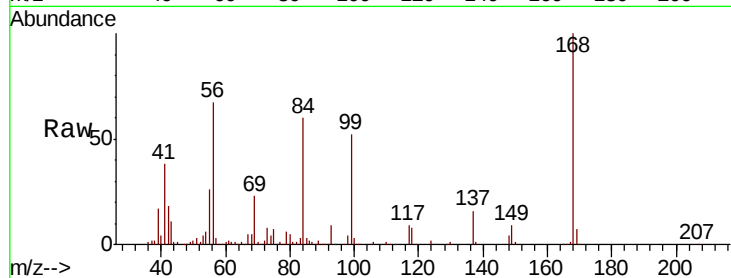
99 51.5 40.0 60.0

Manual Integrations

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8/1/2018 11:14:03 AM



#2

Dichlorodifluoromethane

Concen: 47.428 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050208.D

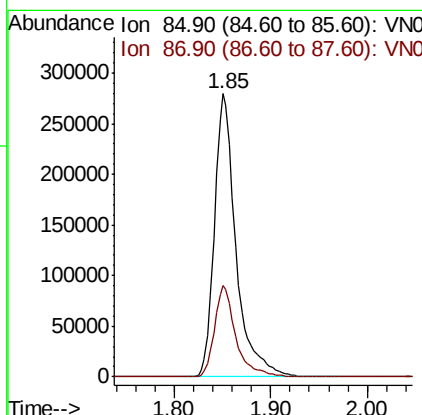
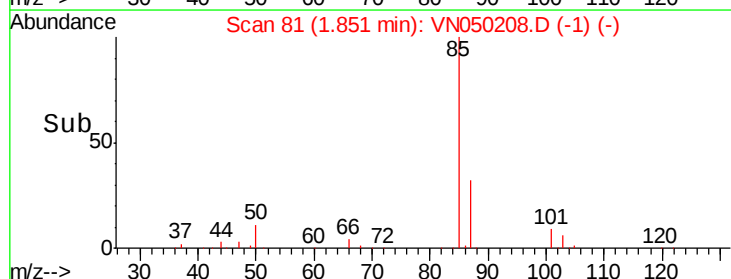
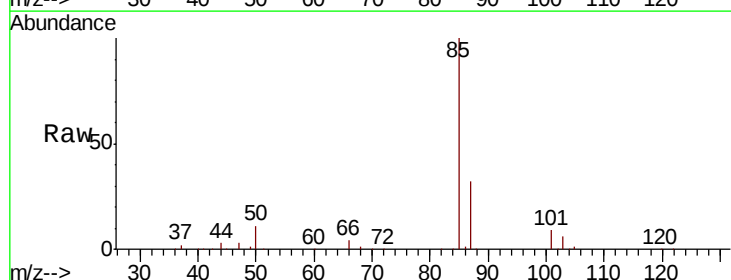
Acq: 31 Jul 2018 11:49

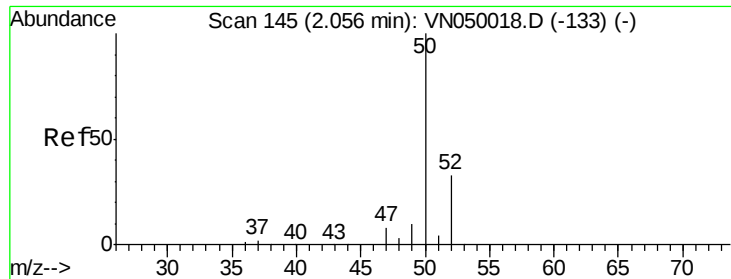
Tgt Ion: 85 Resp: 433712

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3





#3

Chloromethane

Concen: 40.990 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 407447

Ion Ratio Lower Upper

50 100

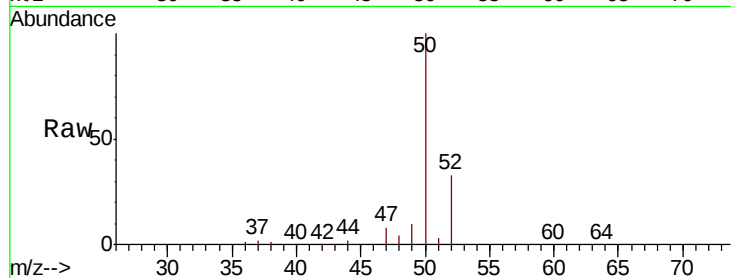
52 33.0 25.9 38.9

Manual Integrations

APPROVED

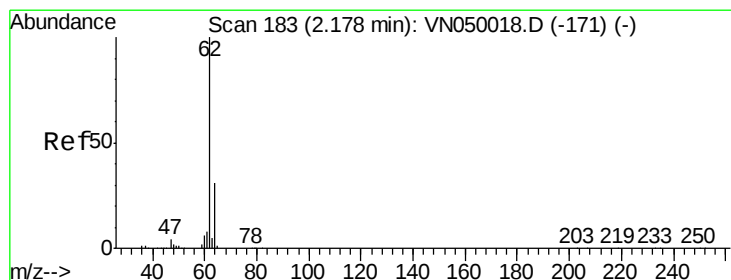
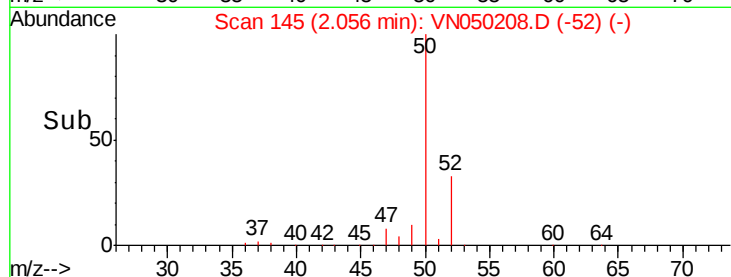
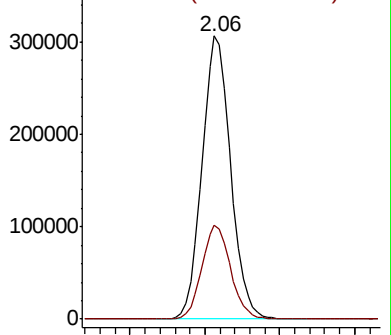
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8/1/2018 11:14:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.756 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050208.D

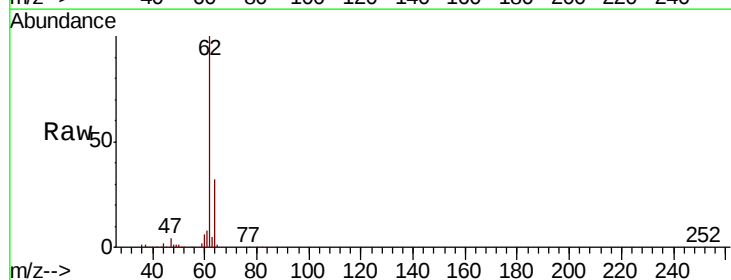
Acq: 31 Jul 2018 11:49

Tgt Ion: 62 Resp: 447567

Ion Ratio Lower Upper

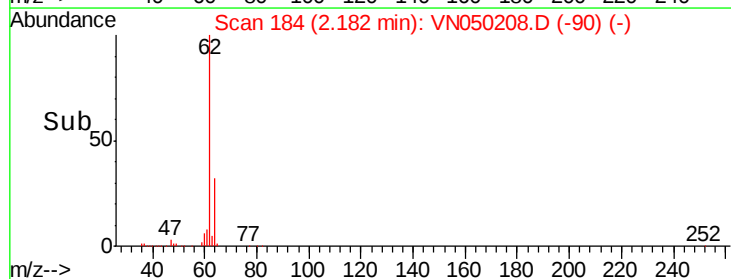
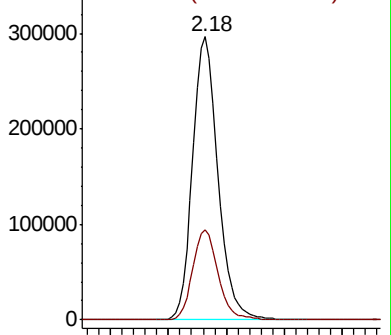
62 100

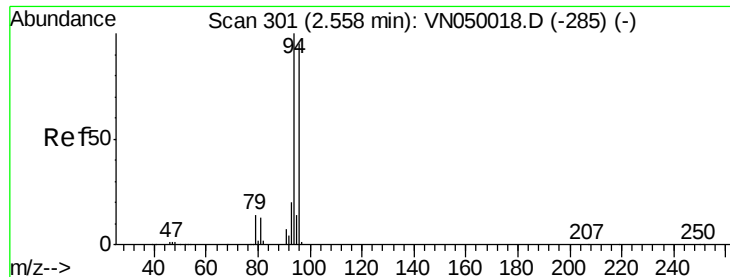
64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 31.576 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 185694

Ion Ratio Lower Upper

94 100

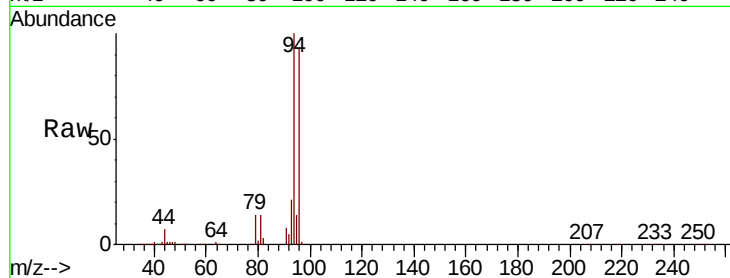
96 93.5 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

100000

80000

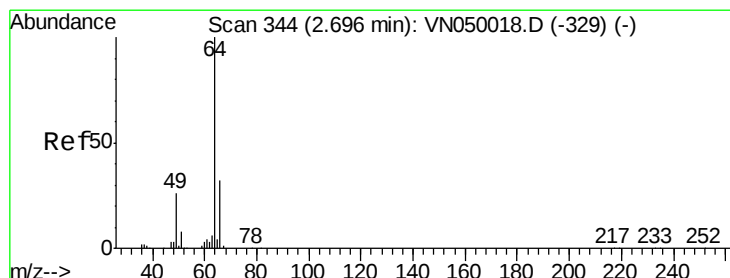
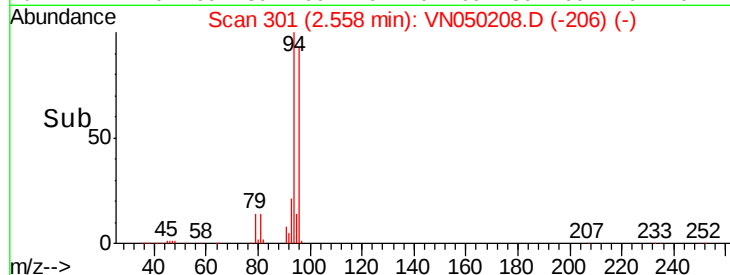
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 42.068 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050208.D

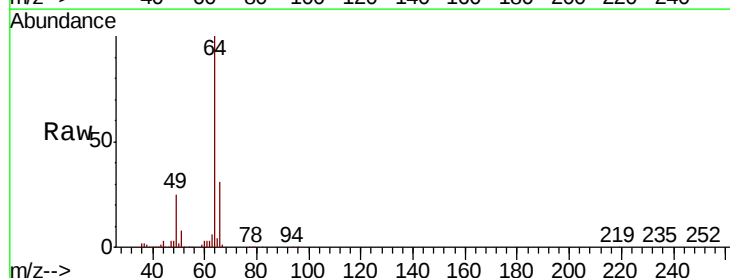
Acq: 31 Jul 2018 11:49

Tgt Ion: 64 Resp: 264466

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

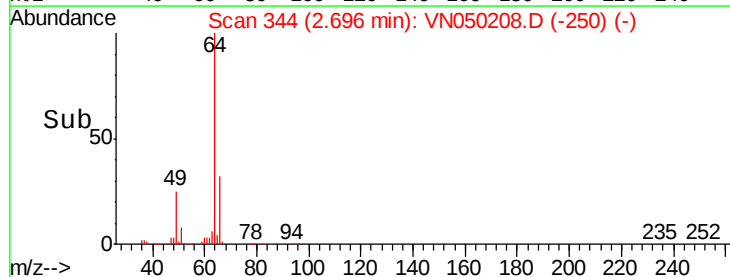
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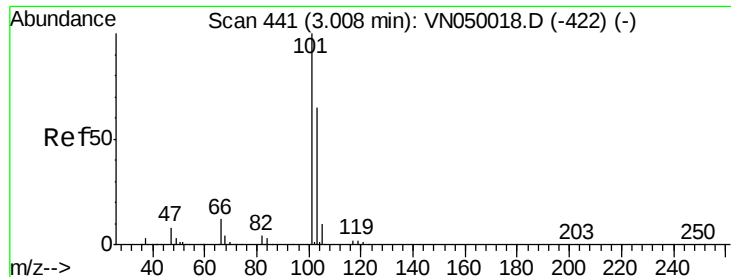
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50000

0

Time-->





#7

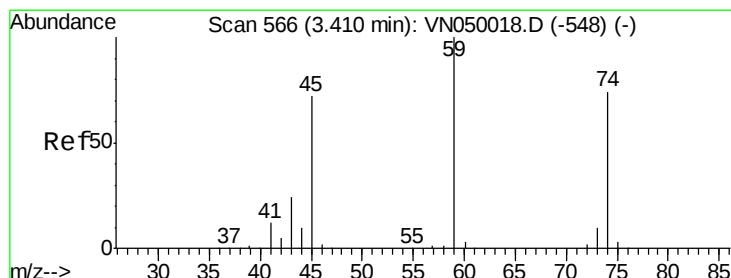
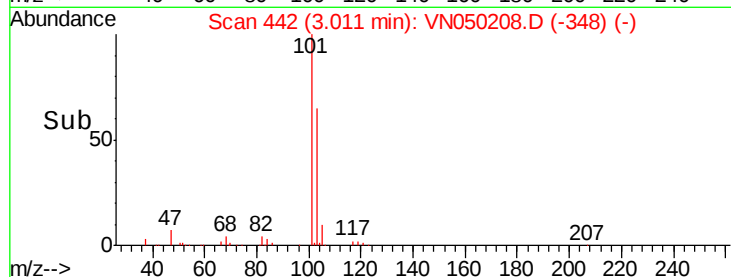
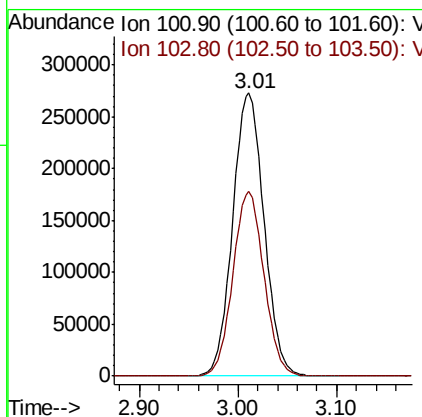
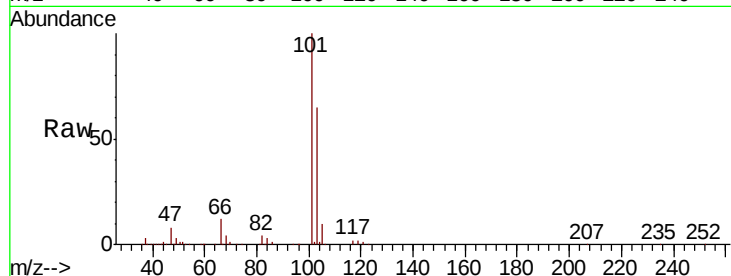
Trichlorofluoromethane
Concen: 44.502 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 101 Resp: 603475
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5

Manual Integrations
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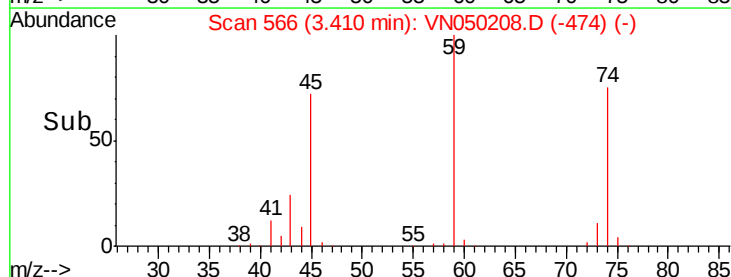
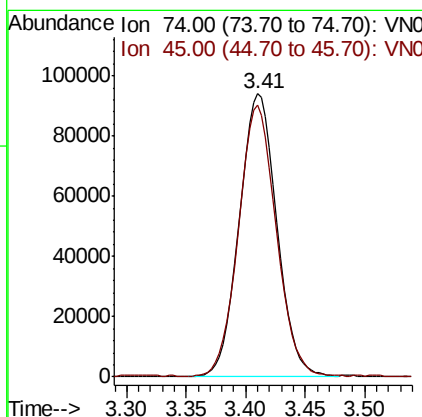
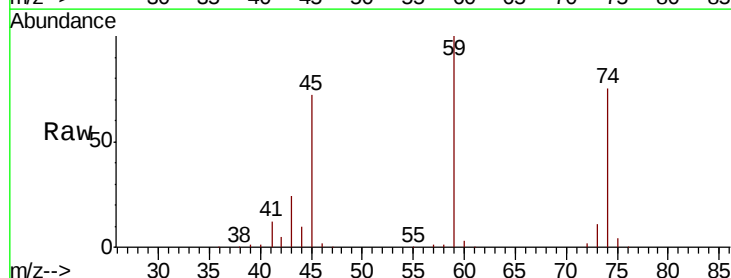
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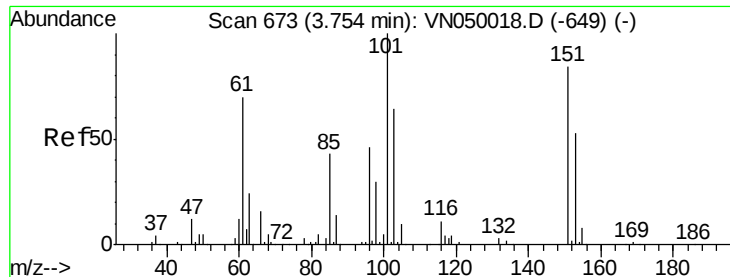


#8

Diethyl Ether
Concen: 45.549 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 74 Resp: 205915
Ion Ratio Lower Upper
74 100
45 95.5 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.584 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050208.D

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Instrument :

MSVOA_N

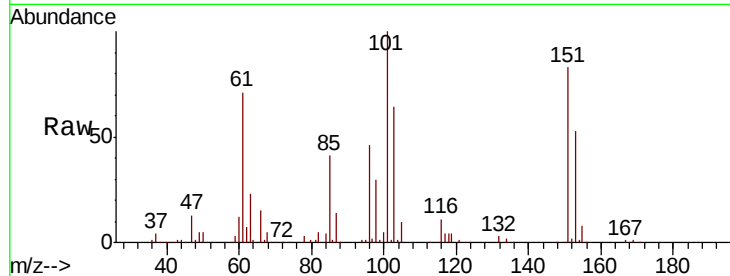
ClientSampleId :

VSTDCCC050

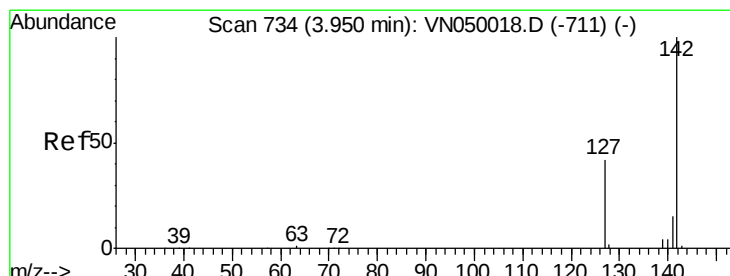
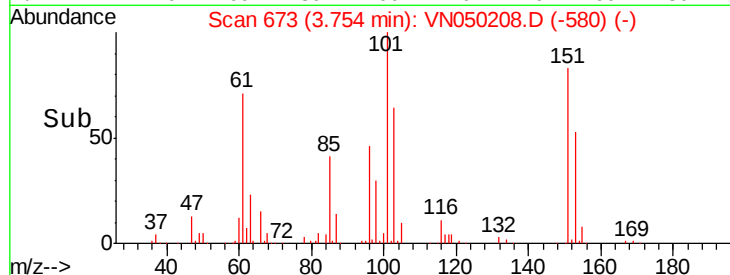
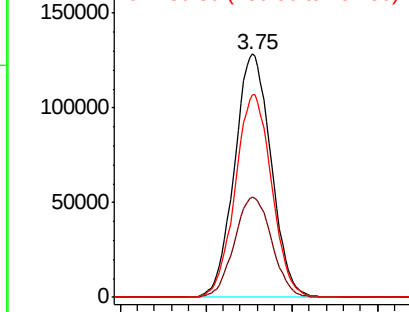
Tot Ion:	101	Resp:	379868
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	83.2	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.868 ug/l

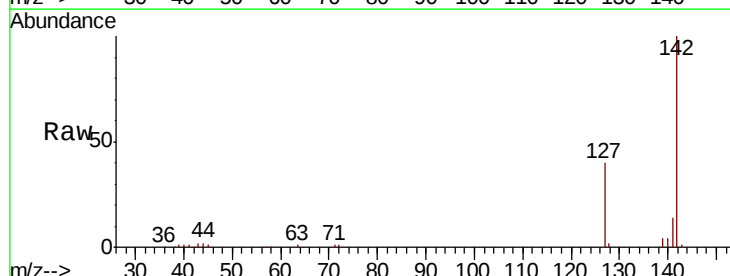
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

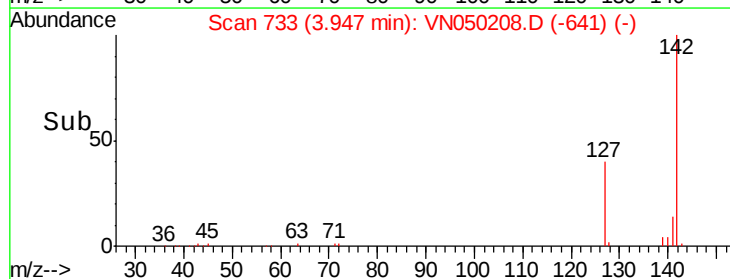
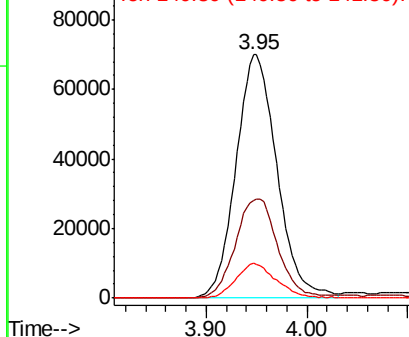
Lab File: VN050208.D

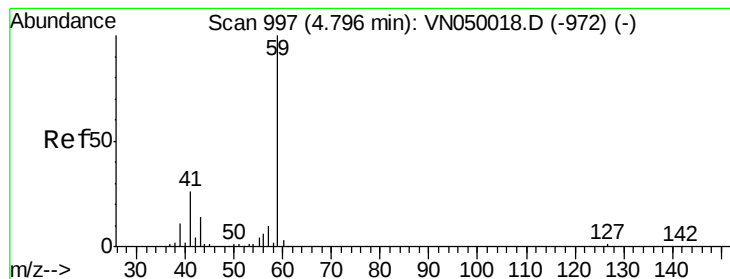
Acq: 31 Jul 2018 11:49

Tgt Ion:	142	Resp:	197477
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.4	50.2
141	14.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

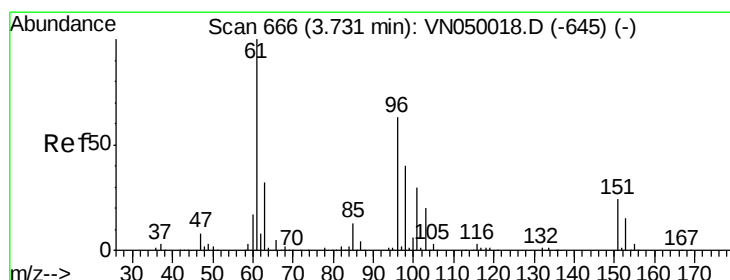
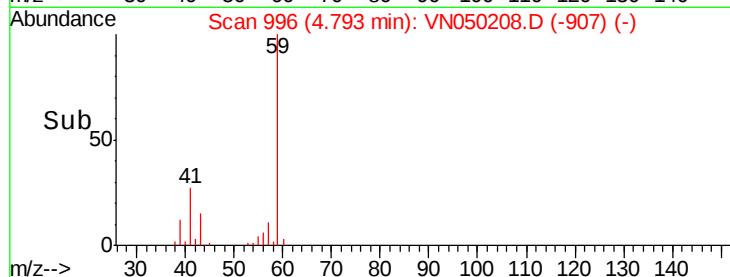
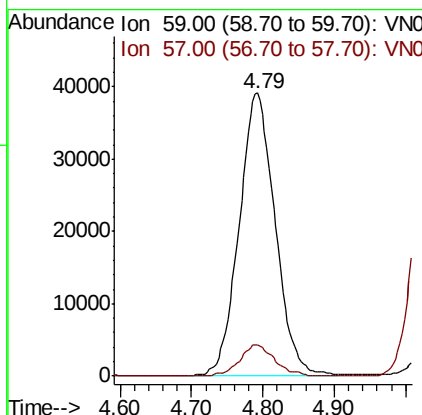
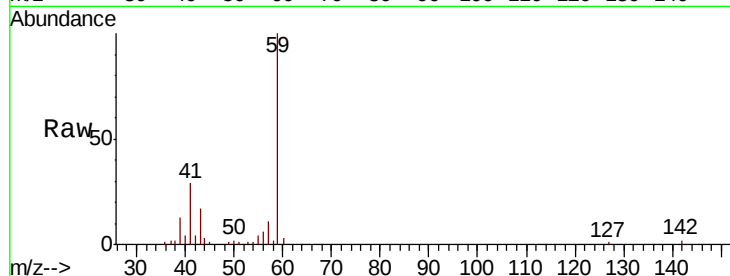
Tert butyl alcohol
 Concen: 210.467 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	137511
Ion Ratio	100	Lower	Upper
57	10.7	8.5	12.7

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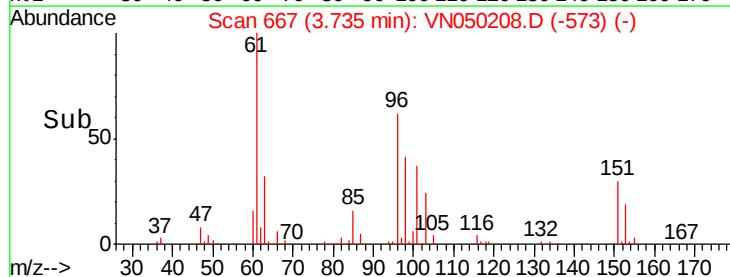
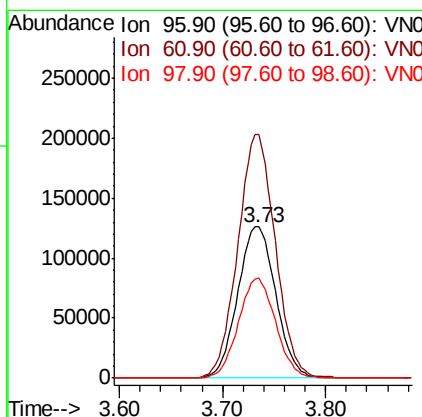
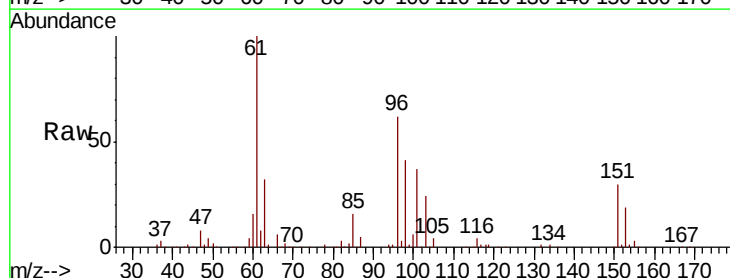
MMDadoda
 8/1/2018 11:14:03 AM

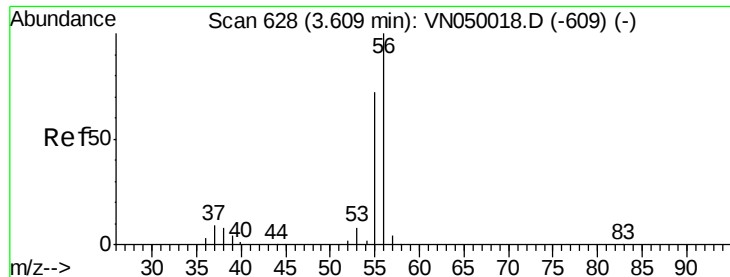


#12

1,1-Dichloroethene
 Concen: 44.252 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	96	Resp	324598
Ion Ratio	100	Lower	Upper
61	160.5	124.4	186.6
98	65.9	48.3	72.5





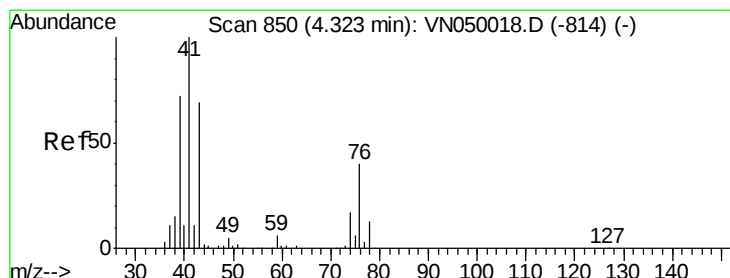
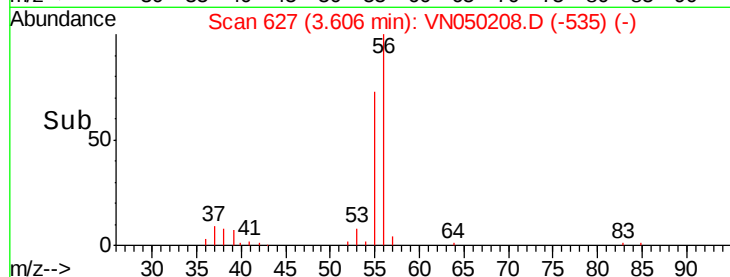
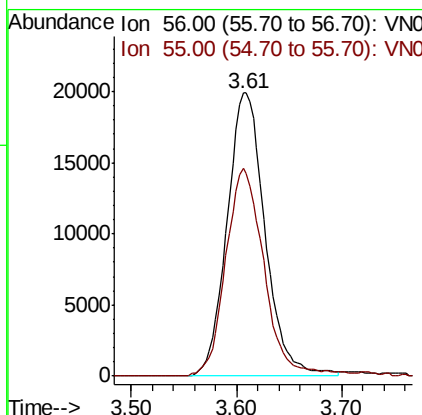
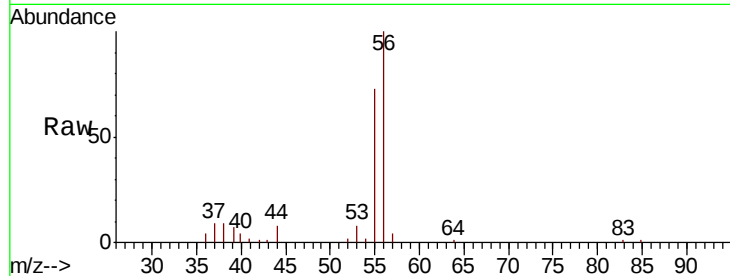
#13
Acrolein
Concen: 94.729 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	49727
Ion Ratio	100	Lower	Upper
55	74.3	55.8	83.6

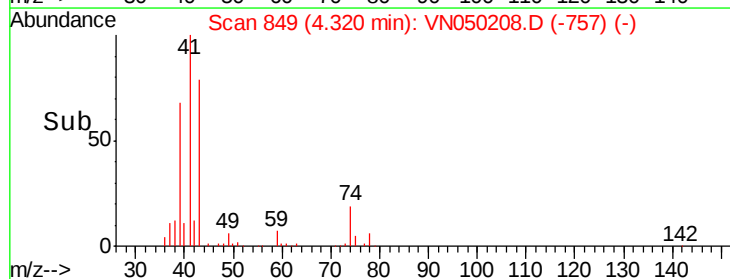
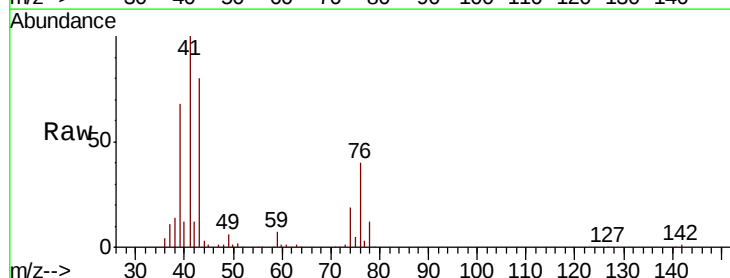
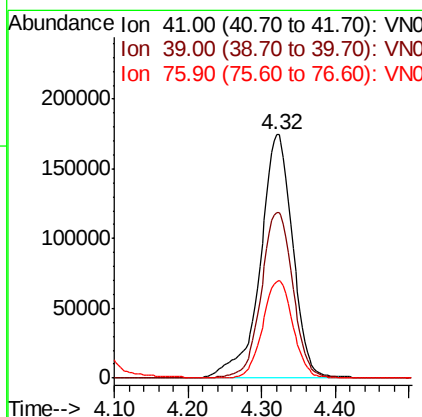
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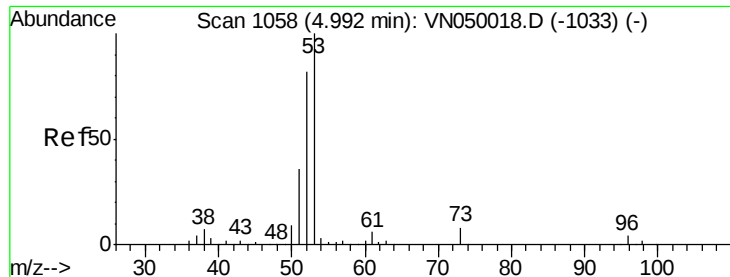
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#14
Allyl chloride
Concen: 46.843 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	41	Resp	532804
Ion Ratio	100	Lower	Upper
39	66.7	54.2	81.4
76	37.3	29.0	43.6





#15

Acrylonitrile

Concen: 224.829 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

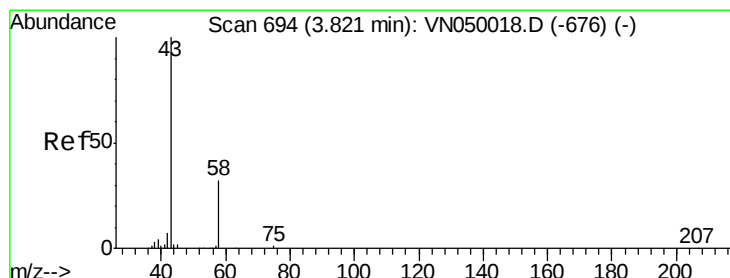
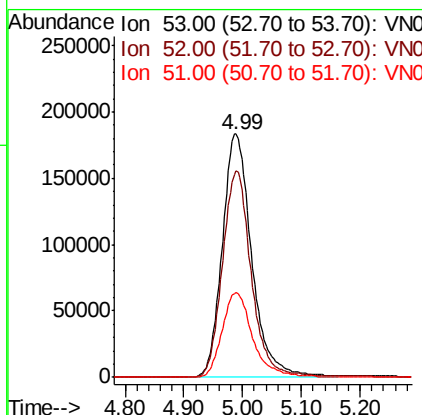
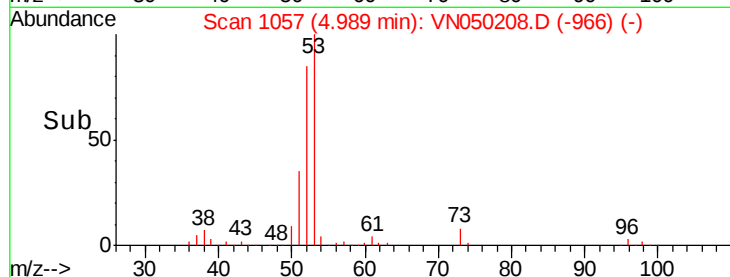
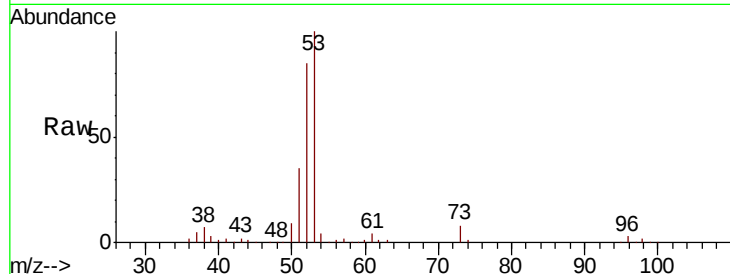
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	640882
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.3	43.9

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#16

Acetone

Concen: 266.947 ug/l

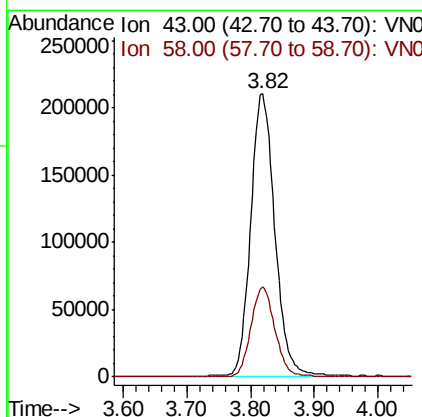
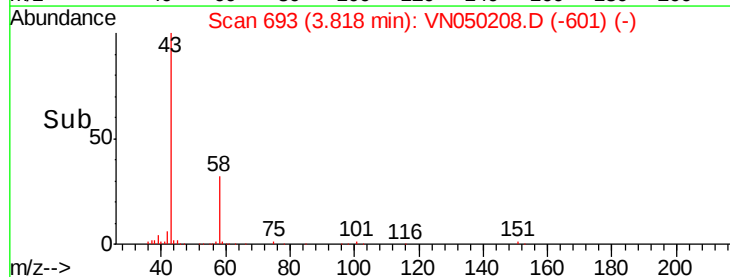
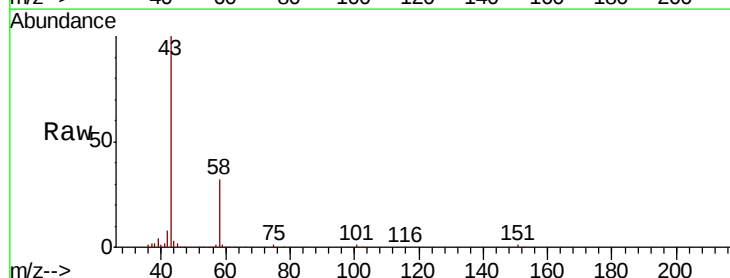
RT: 3.82 min Scan# 693

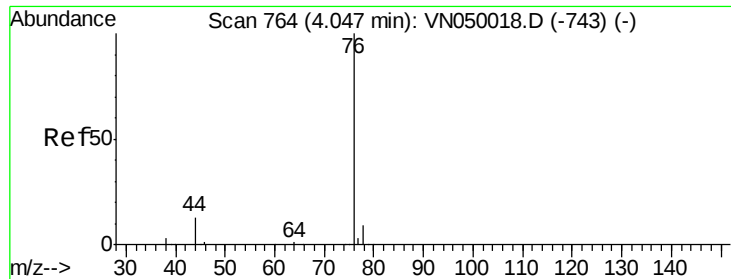
Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion:	43	Resp:	557736
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.8	38.8





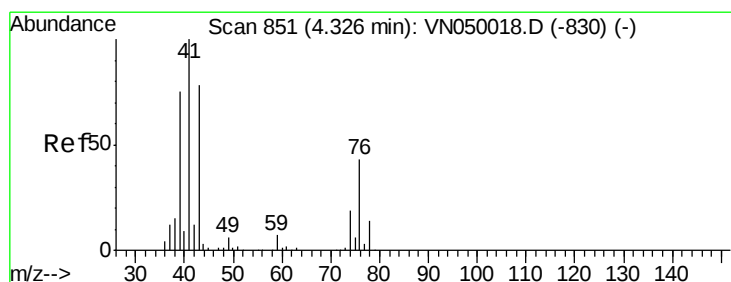
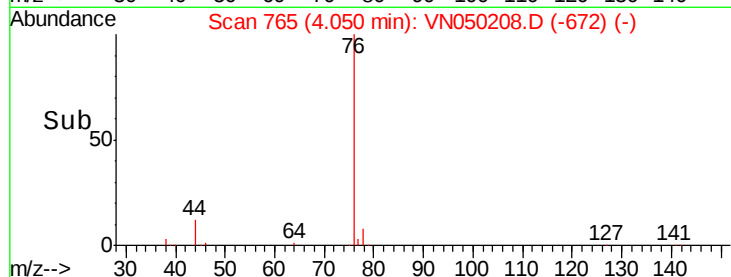
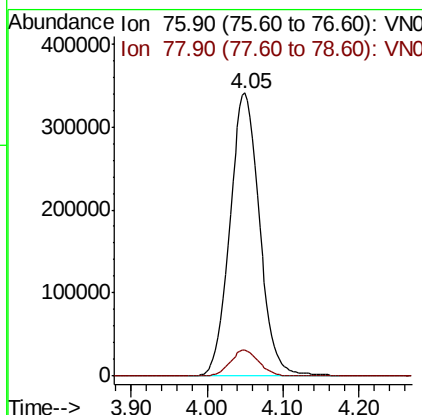
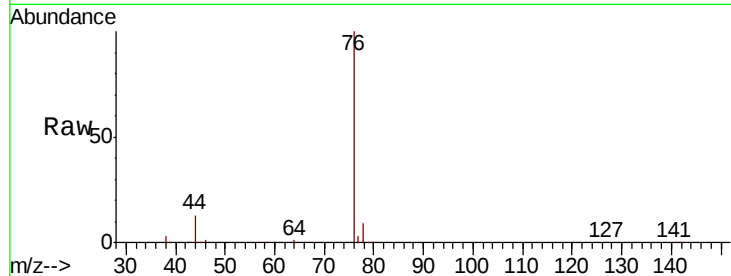
#17
Carbon Disulfide
Concen: 41.064 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

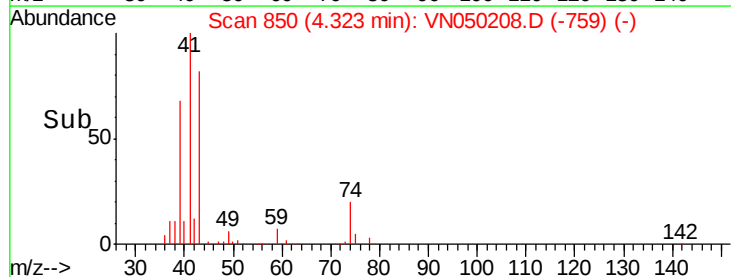
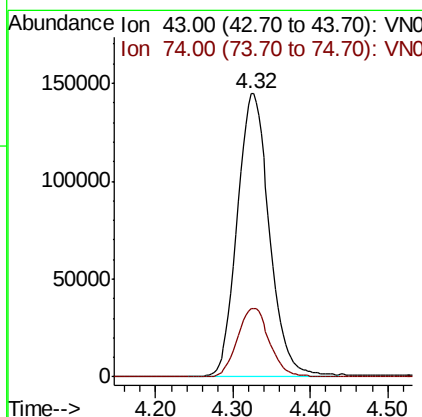
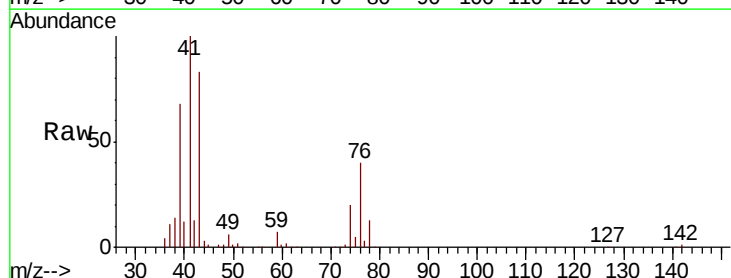
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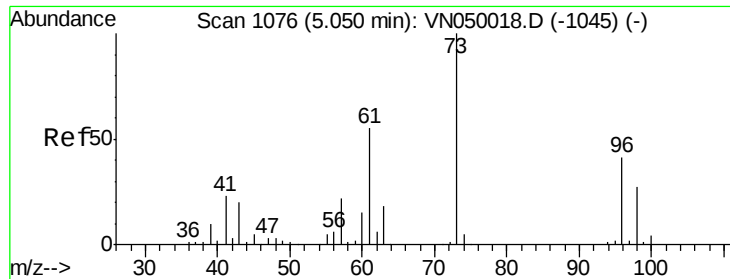
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#18
Methyl Acetate
Concen: 51.374 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





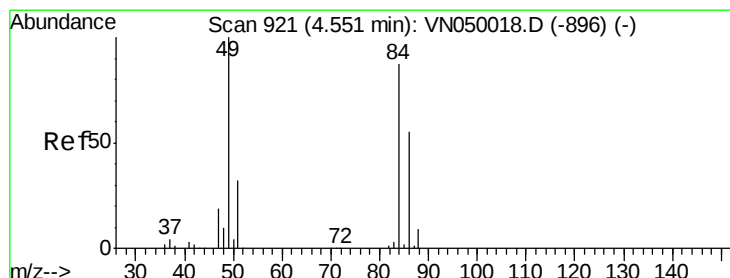
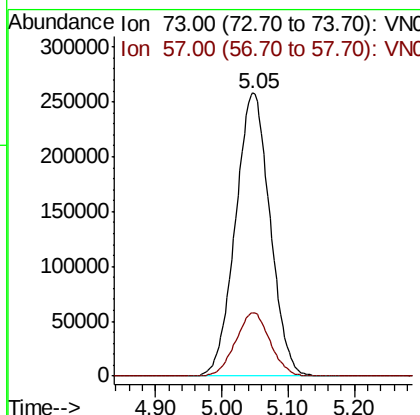
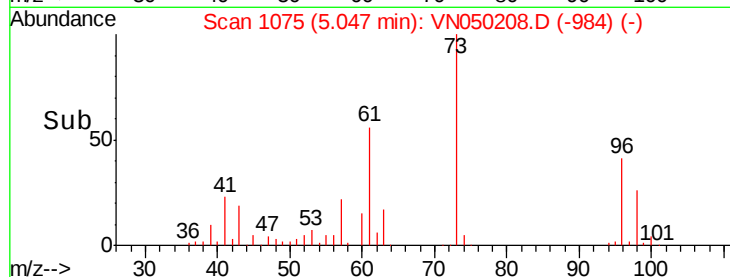
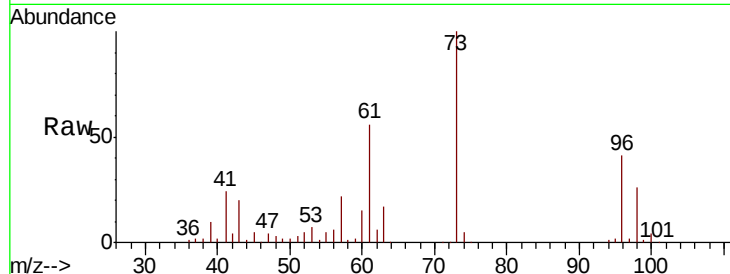
#19
Methyl tert-butyl Ether
Concen: 47.836 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.0	27.0

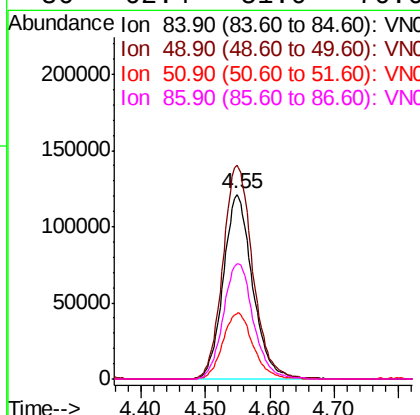
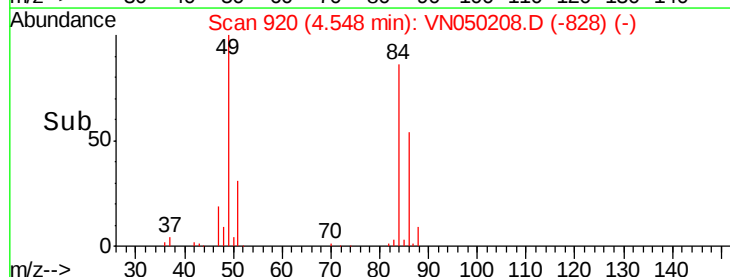
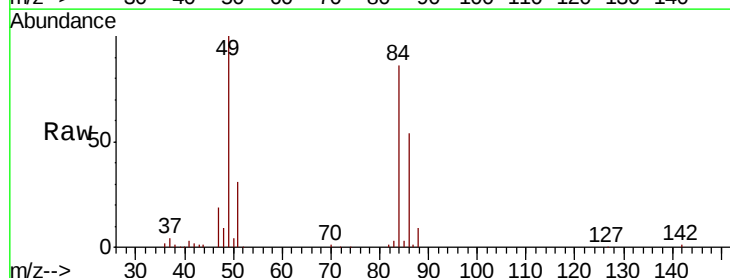
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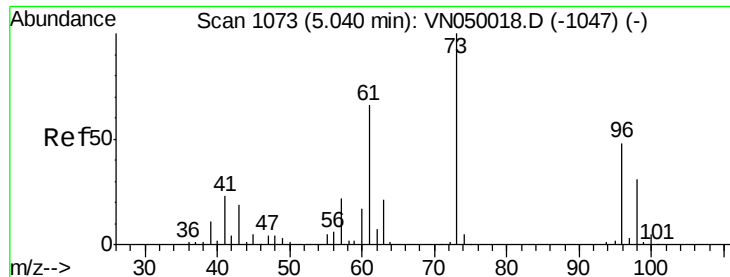
MMDadoda
8/1/2018 11:14:03 AM



#20
Methylene Chloride
Concen: 48.597 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.8	94.8	142.2
51	35.7	28.3	42.5
86	62.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.796 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

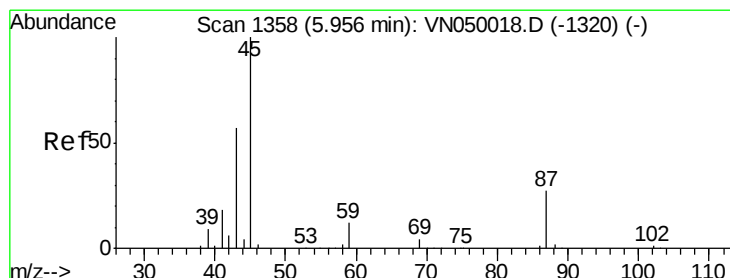
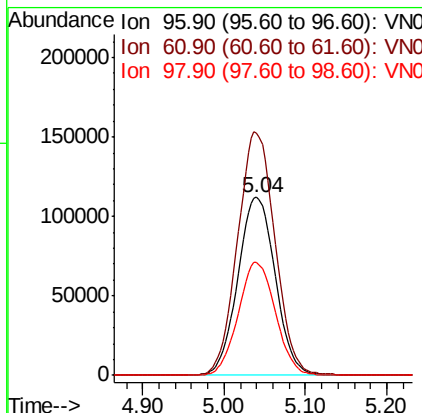
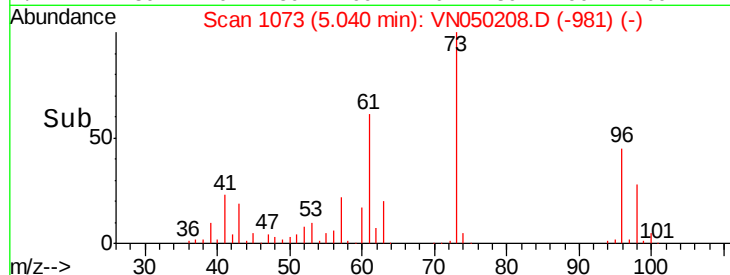
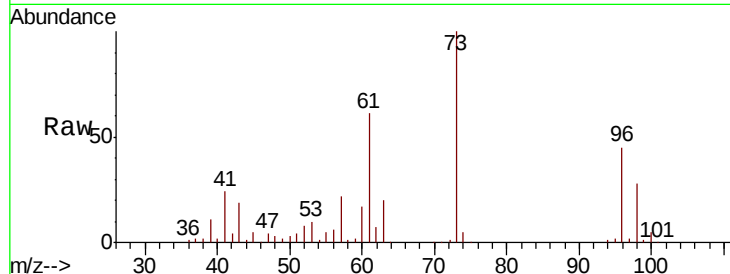
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	355959
Ion	Ratio	Lower	Upper
96	100		
61	136.0	110.7	166.1
98	63.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 51.101 ug/l

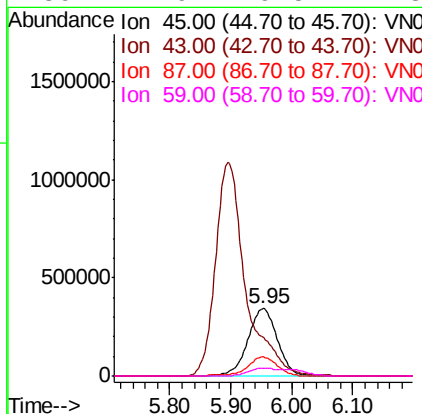
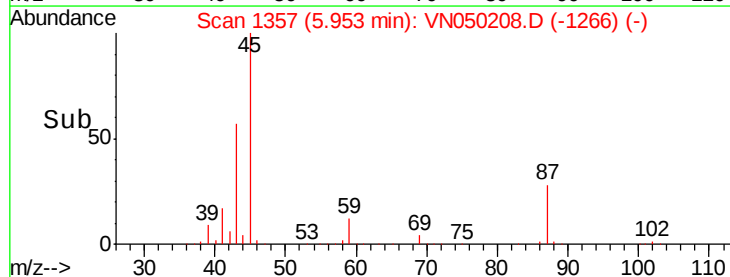
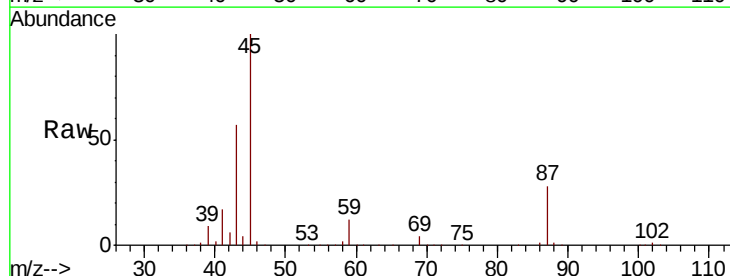
RT: 5.95 min Scan# 1357

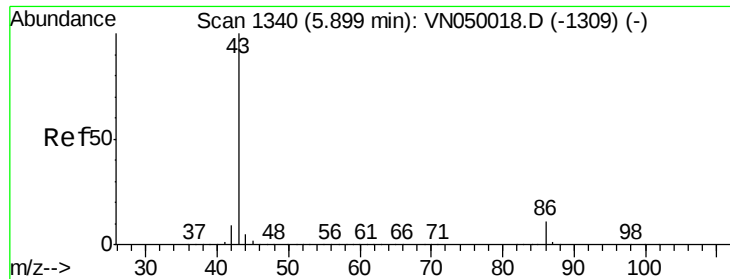
Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion:	45	Resp:	1152487
Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.7	68.5
87	27.9	22.7	34.1
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 234.565 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3738464

Ion Ratio Lower Upper

43 100

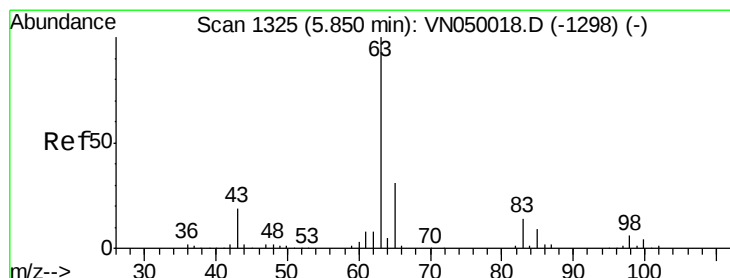
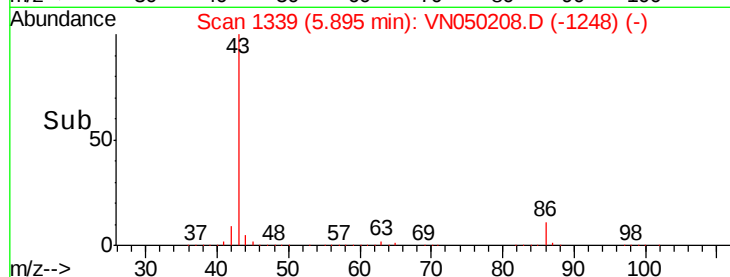
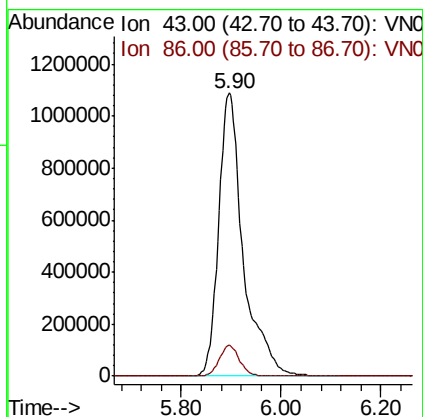
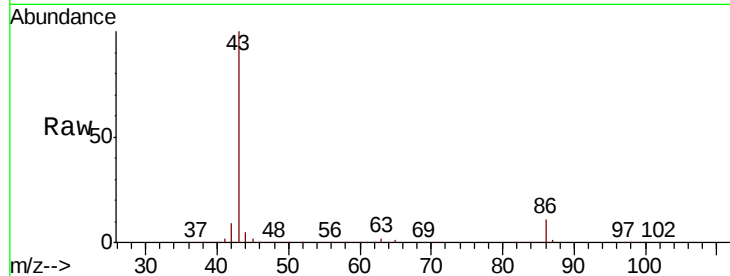
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.240 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

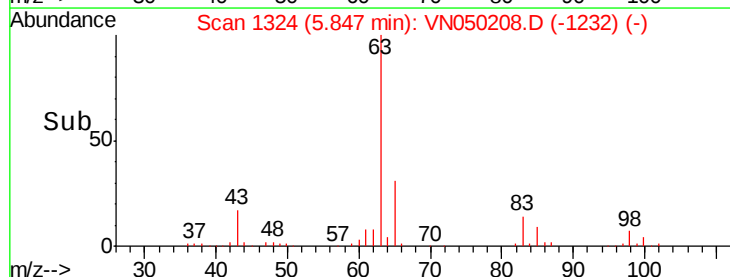
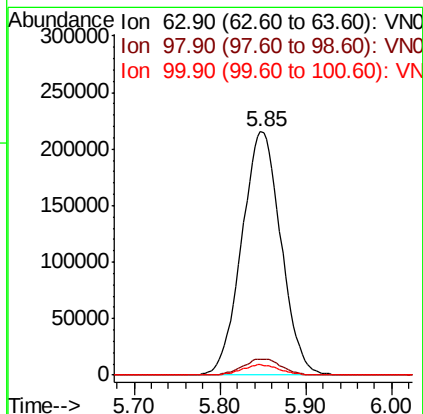
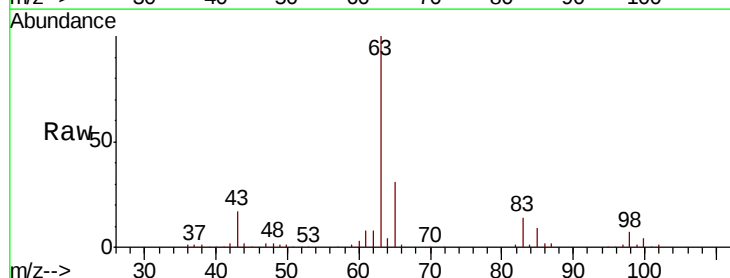
Tgt Ion: 63 Resp: 681929

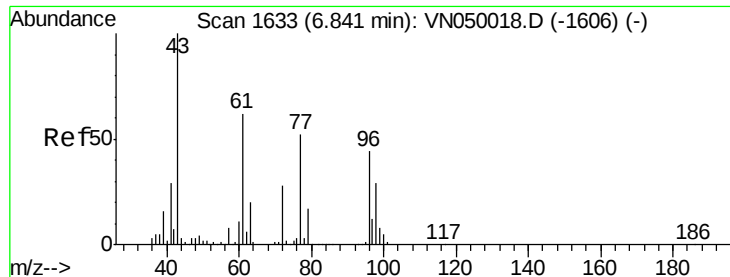
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.1 6.3





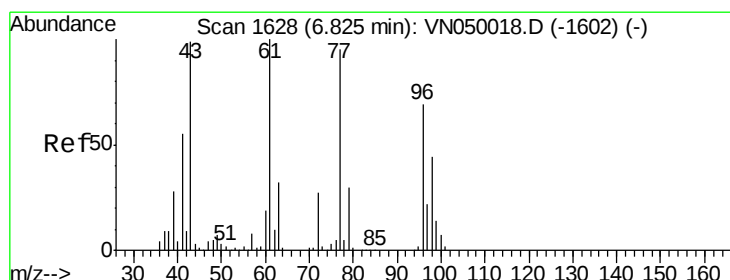
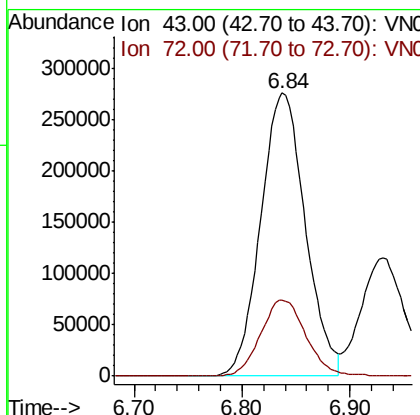
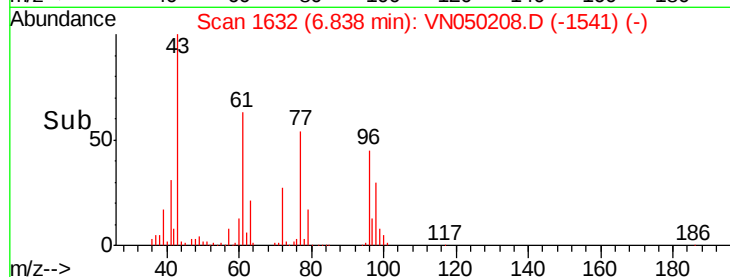
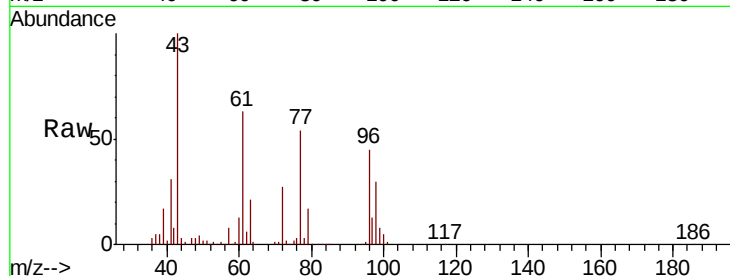
#25
2-Butanone
Concen: 232.909 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 788861
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3

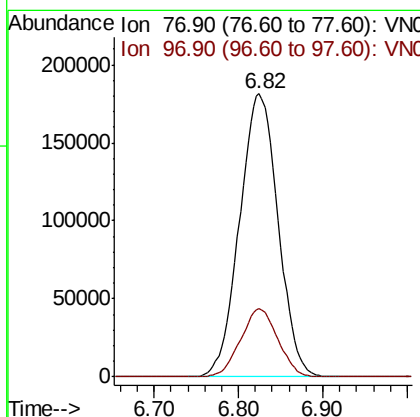
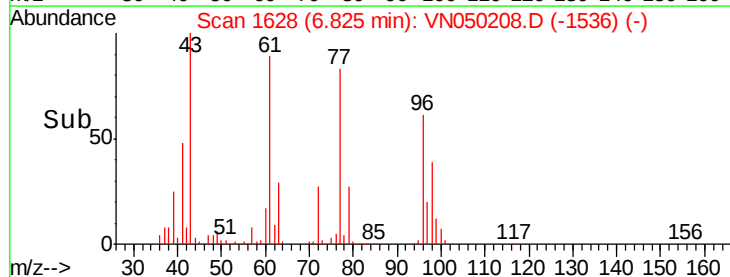
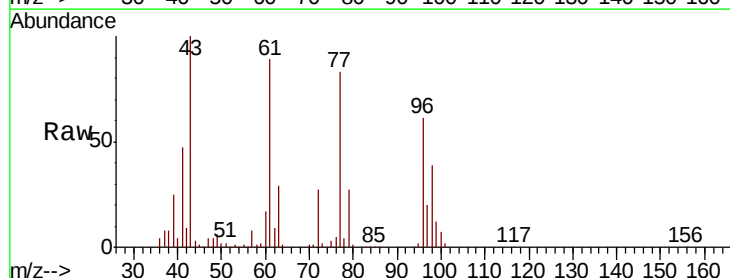
Manual Integrations
APPROVED

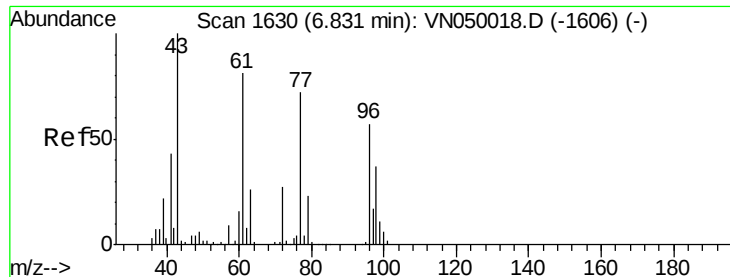
MMDadoda
8/1/2018 11:14:03 AM



#26
2,2-Dichloropropane
Concen: 51.290 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 77 Resp: 575430
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

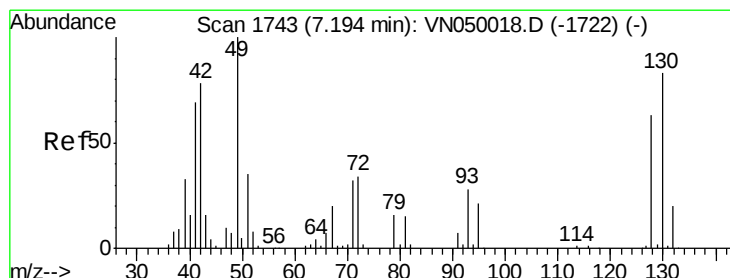
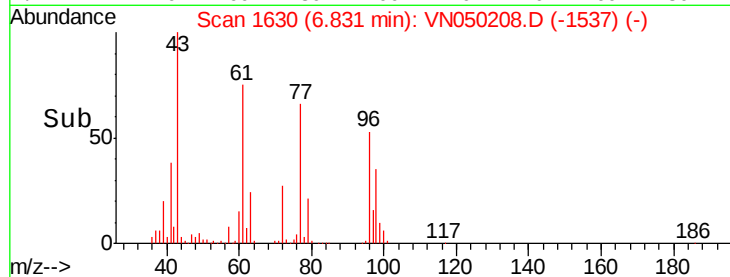
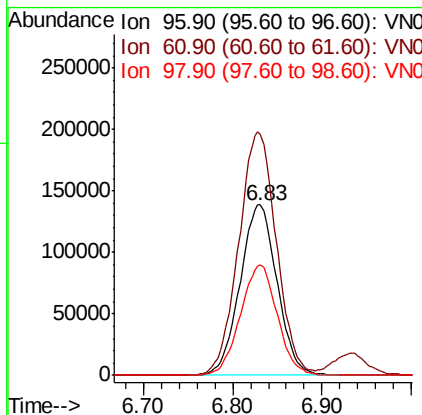
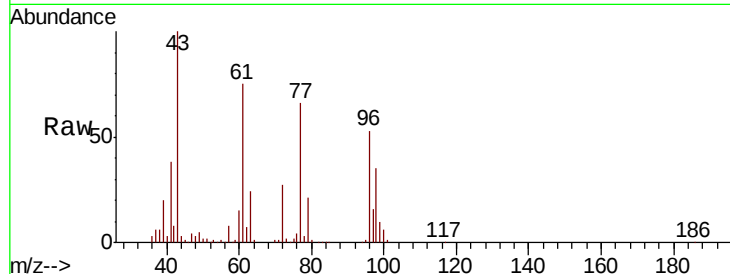
cis-1,2-Dichloroethene
Concen: 47.886 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	285.0
98	64.4	0.0	129.2

Manual Integrations
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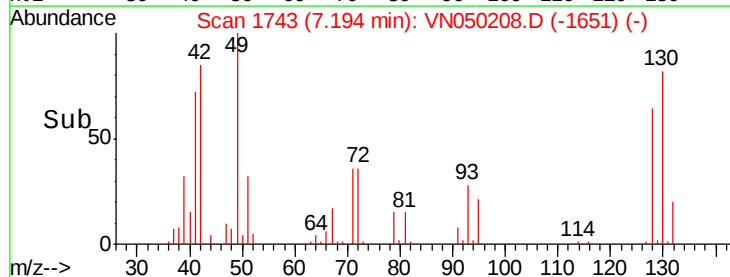
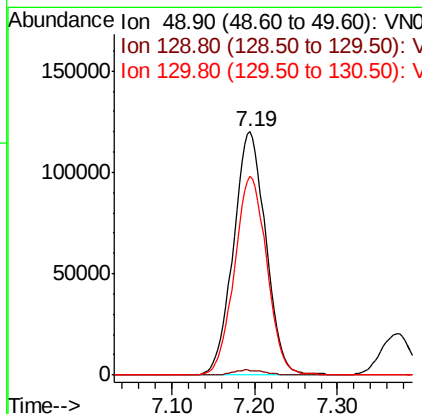
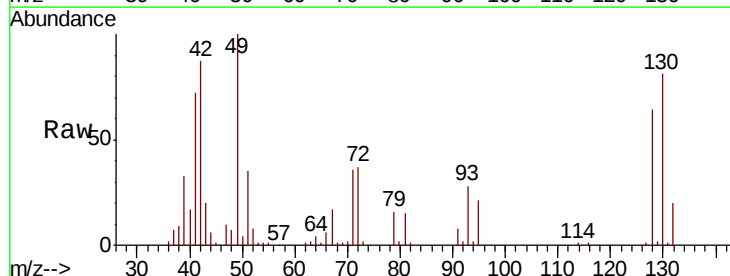
MMDadoda
8/1/2018 11:14:03 AM

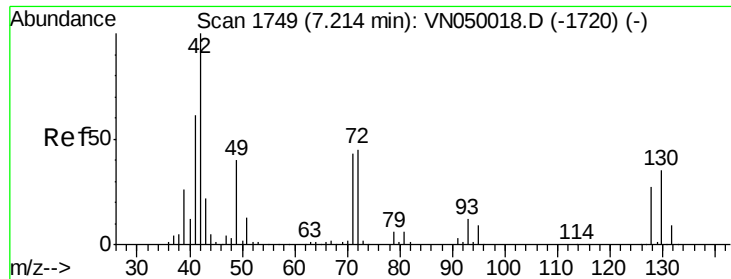


#28

Bromochloromethane
Concen: 48.437 ug/l
RT: 7.19 min Scan# 1743
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	81.8	66.3	99.5





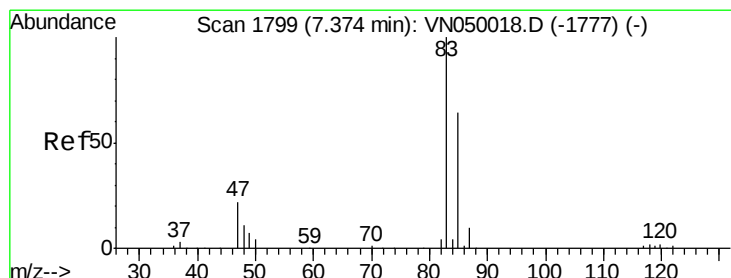
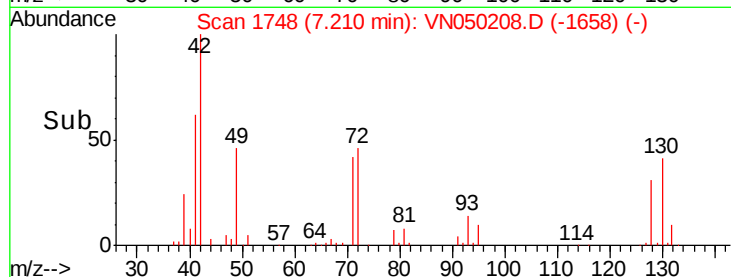
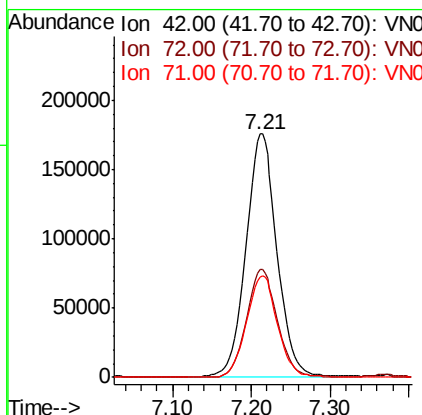
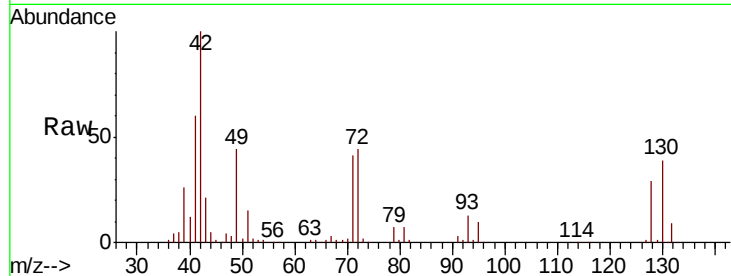
#29
Tetrahydrofuran
Concen: 223.022 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.9	53.9
71	41.8	33.7	50.5

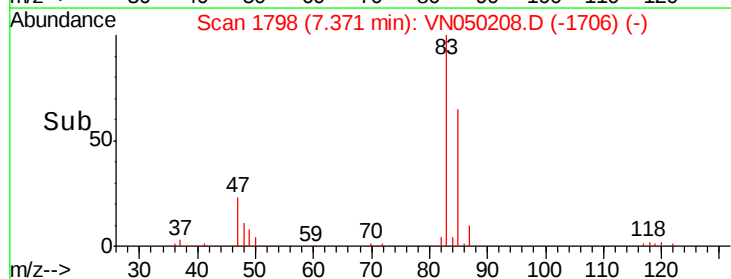
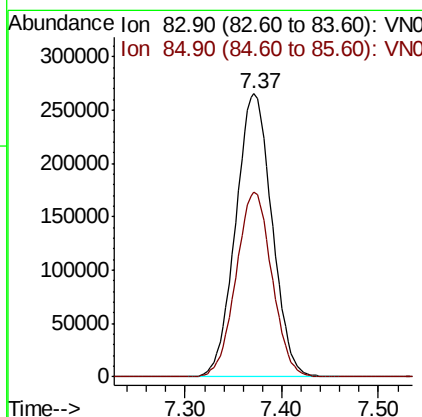
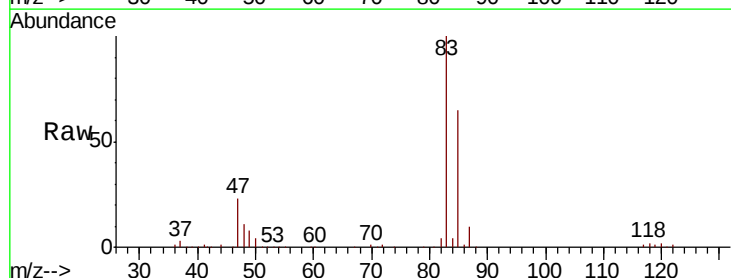
Manual Integrations
APPROVED

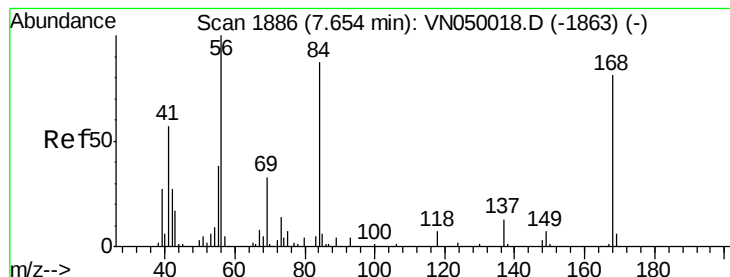
MMDadoda
8/1/2018 11:14:03 AM



#30
Chloroform
Concen: 45.985 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cvclohexane

Concen: 46.930 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 574033

Ion Ratio Lower Upper

56 100

69 32.8 26.2 39.4

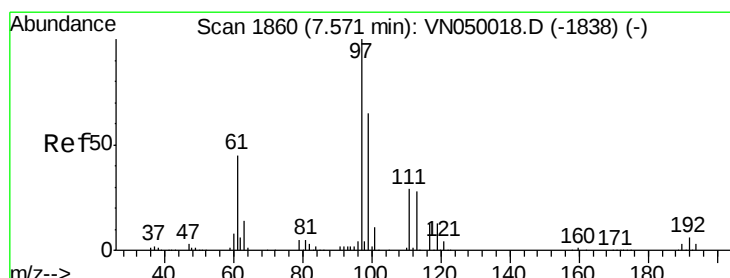
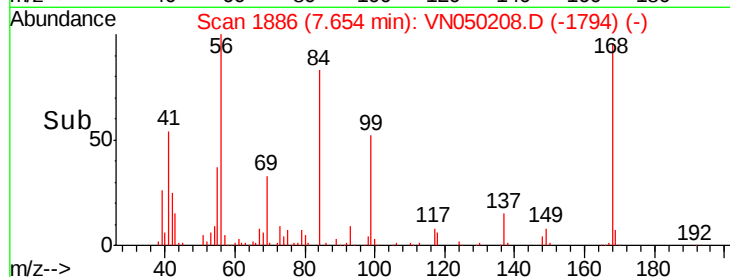
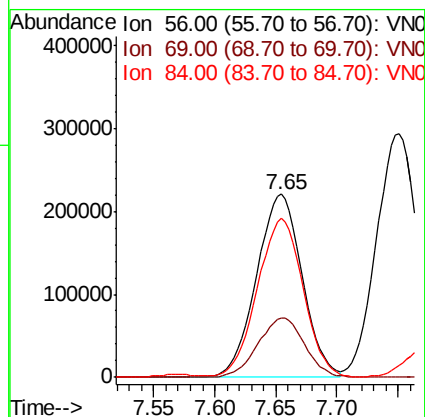
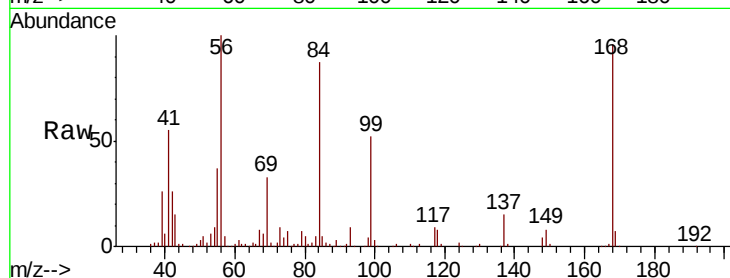
84 85.4 67.4 101.0

Manual Integrations

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8/1/2018 11:14:03 AM



#32

1,1,1-Trichloroethane

Concen: 45.740 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

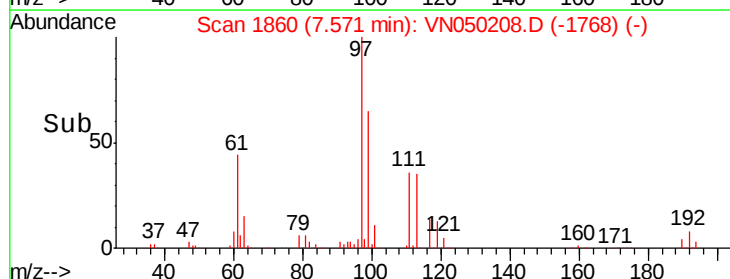
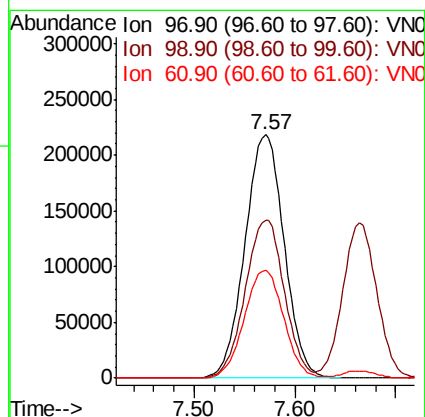
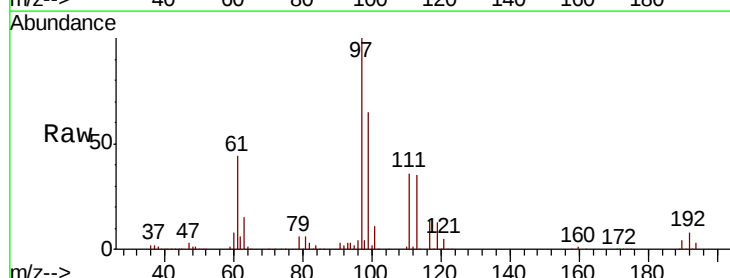
Tgt Ion: 97 Resp: 588821

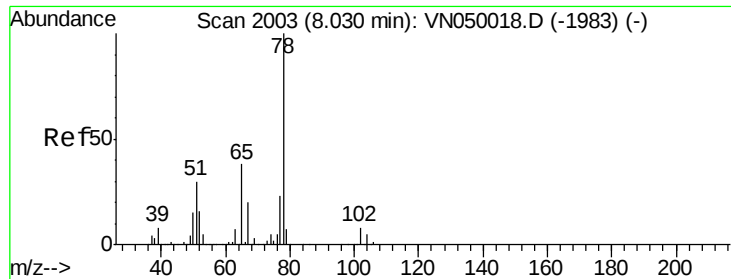
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 44.6 35.4 53.0





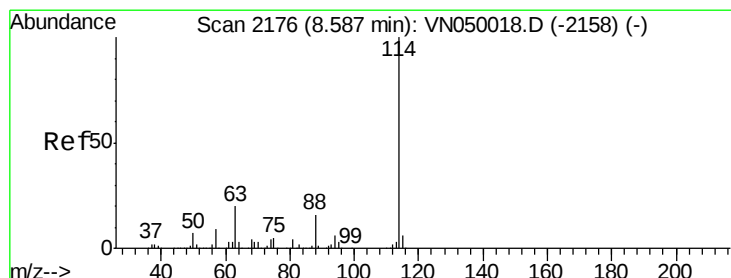
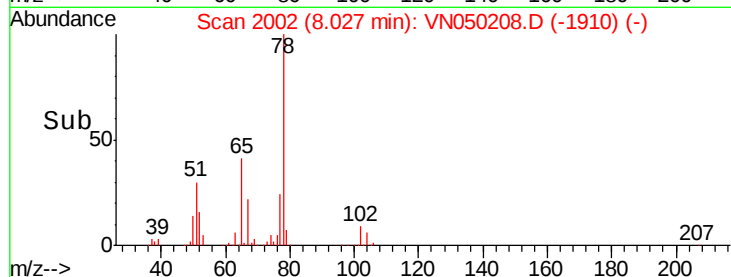
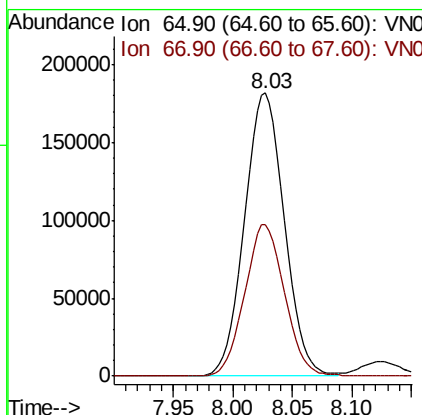
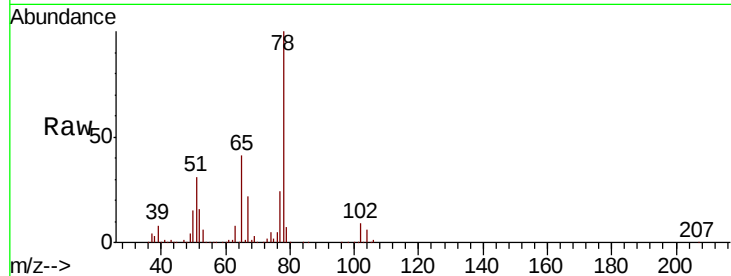
#33
 1,2-Dichloroethane-d4
 Concen: 47.546 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	422197		
67	53.6	0.0	108.4	

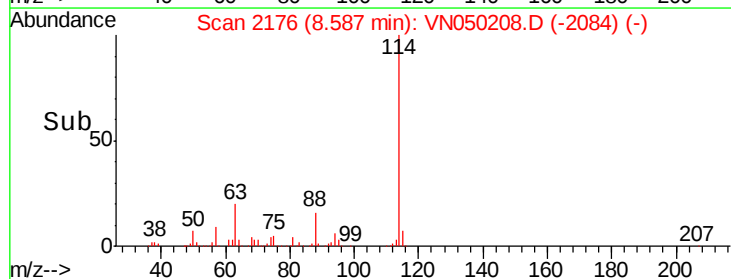
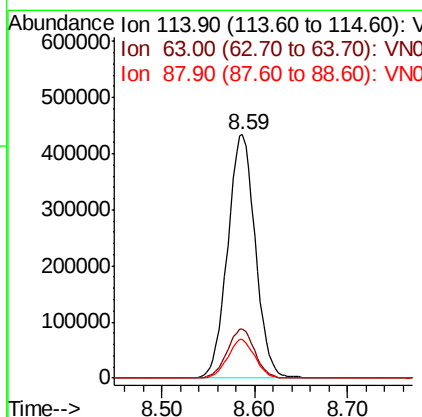
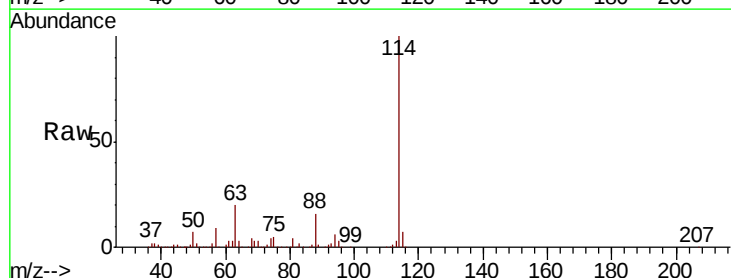
Manual Integrations
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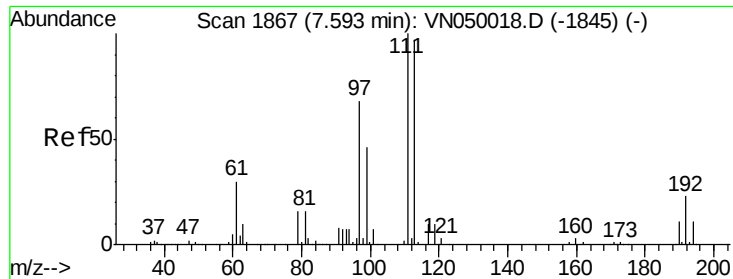
MMDadoda
 8/1/2018 11:14:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	898019		
63	20.3	0.0	40.0	
88	15.8	0.0	31.2	





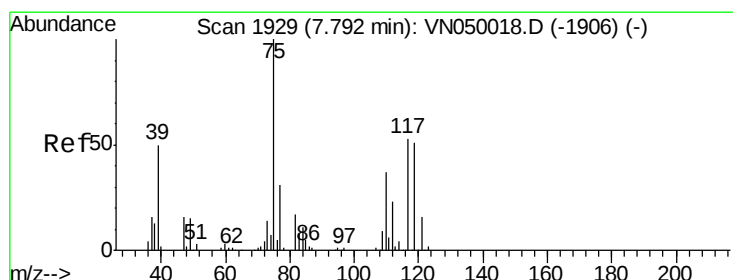
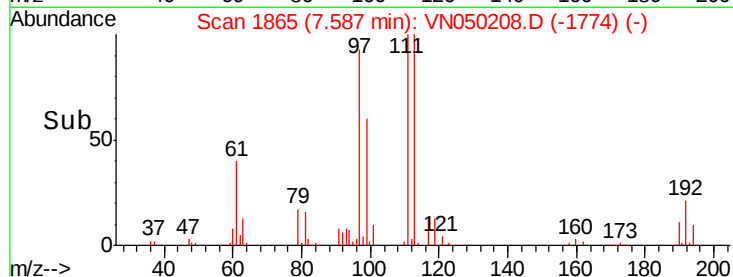
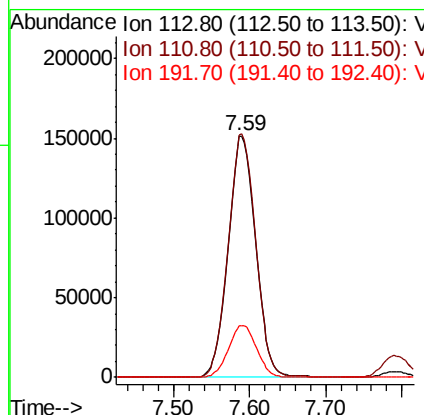
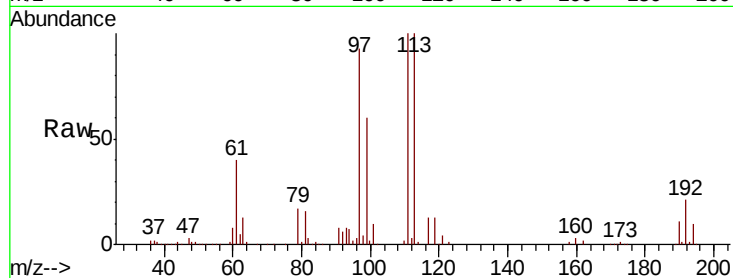
#35
 Dibromofluoromethane
 Concen: 52.065 ug/l
 RT: 7.59 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.3	80.7	121.1	
192	22.0	17.8	26.6	

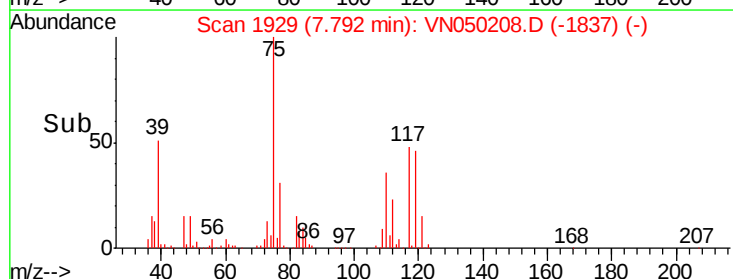
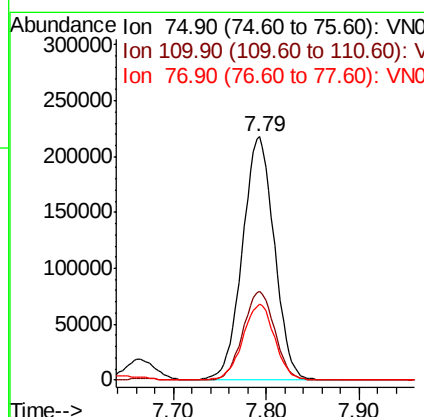
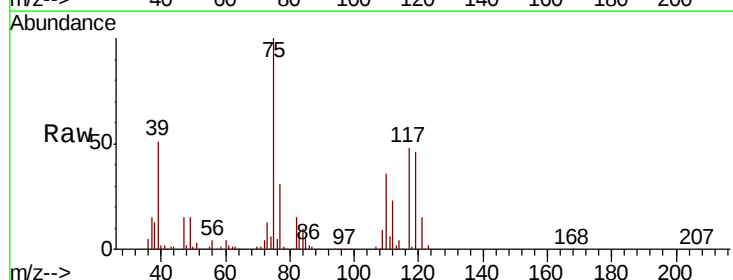
Manual Integrations
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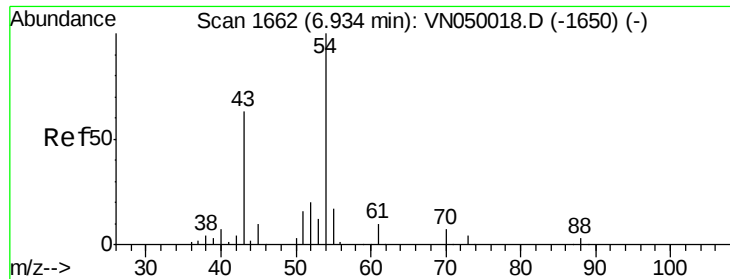
MMDadoda
 8/1/2018 11:14:03 AM



#36
 1,1-Dichloropropene
 Concen: 51.279 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.4	55.2	
77	31.5	25.3	37.9	





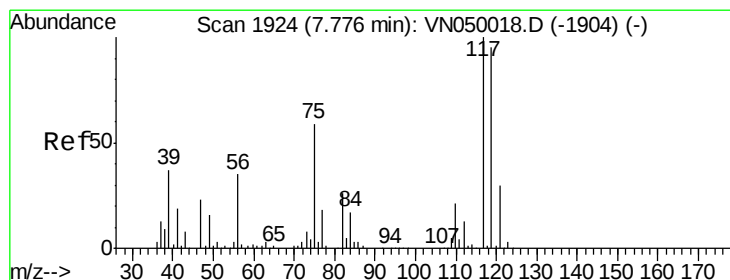
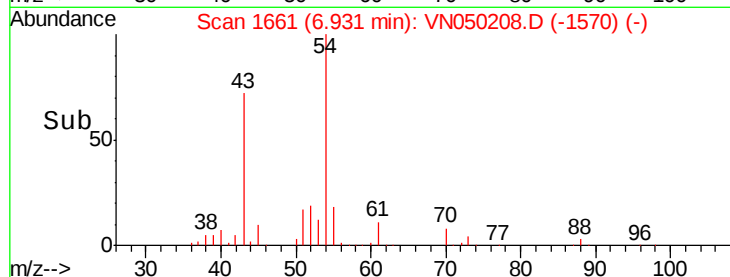
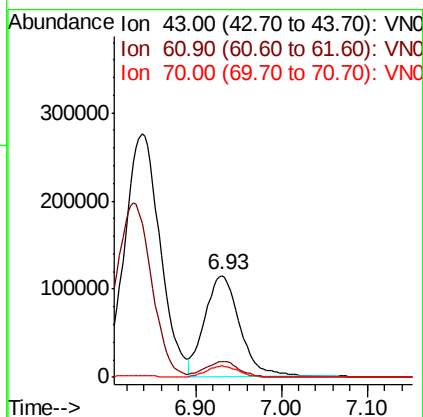
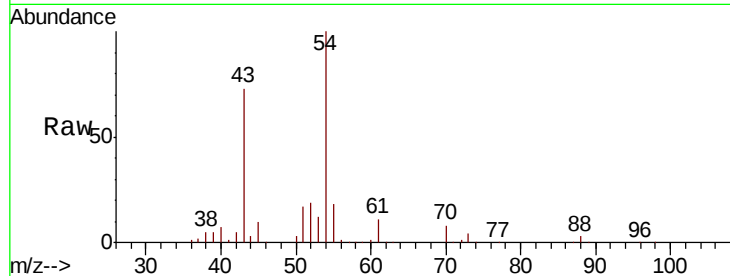
#37
Ethyl Acetate
Concen: 46.400 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	10.6	8.4	12.6

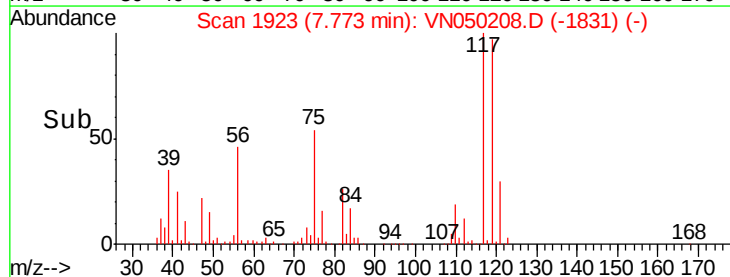
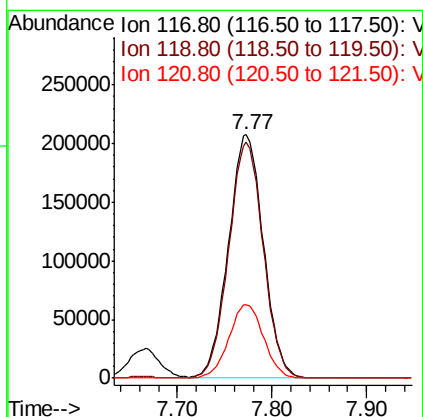
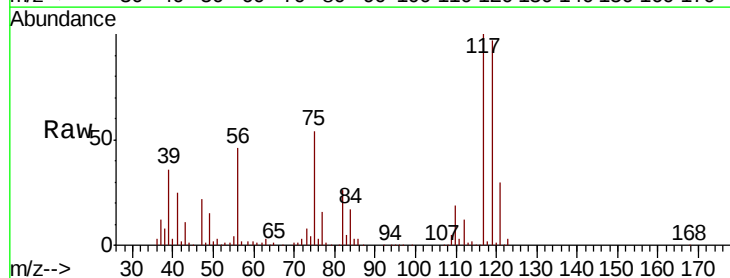
Manual Integrations
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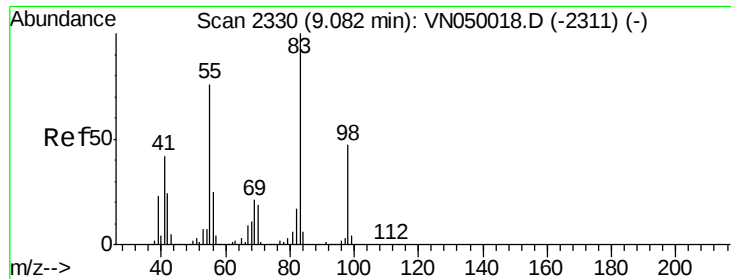
MMDadoda
8/1/2018 11:14:03 AM



#38
Carbon Tetrachloride
Concen: 49.459 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
121	30.4	23.9	35.9





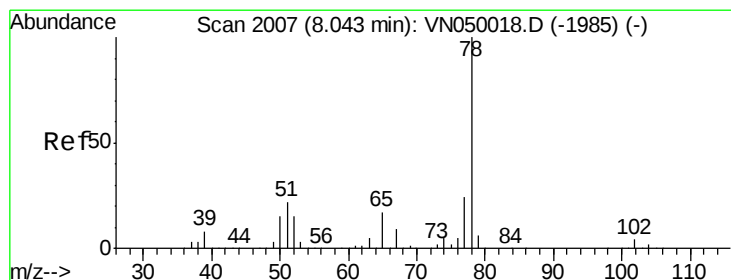
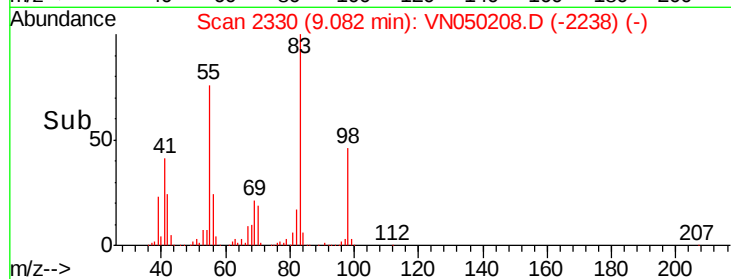
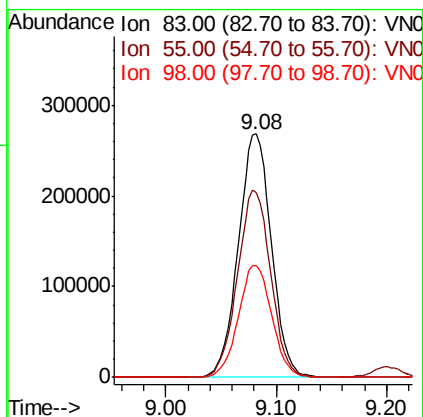
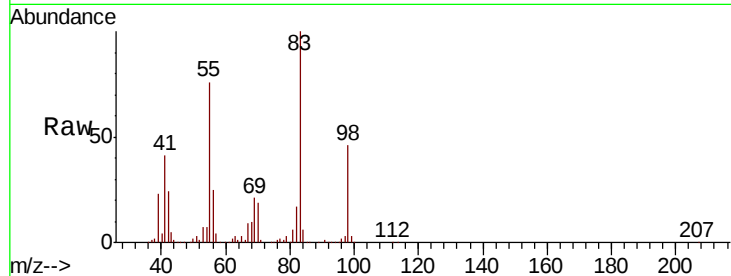
#39
Methvlcvclohexane
Concen: 53.422 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	556025		
55	76.0		61.8	92.8
98	45.8		36.5	54.7

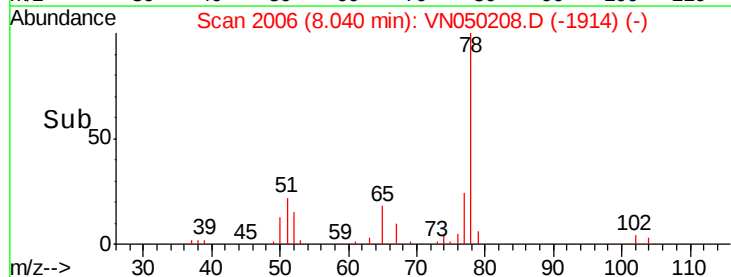
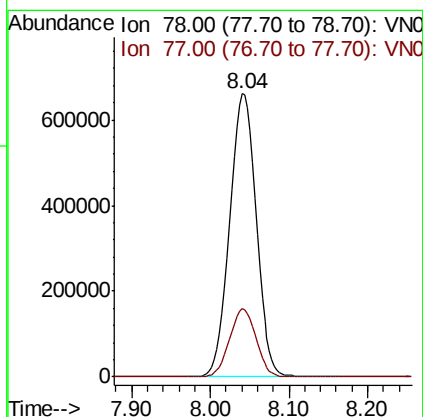
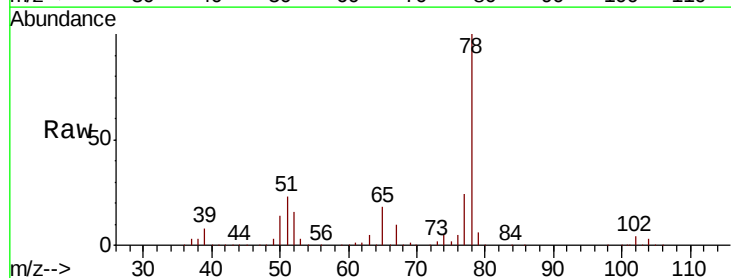
Manual Integrations
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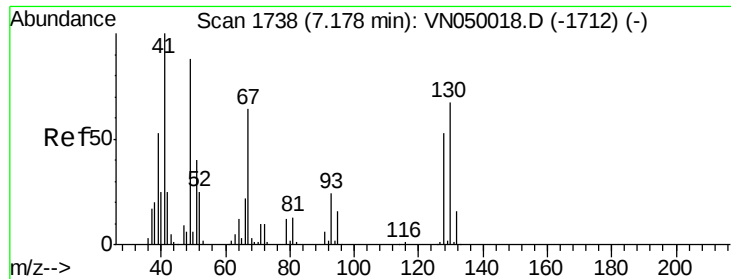
MMDadoda
8/1/2018 11:14:03 AM



#40
Benzene
Concen: 50.396 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1551537		
77	23.9		18.7	28.1





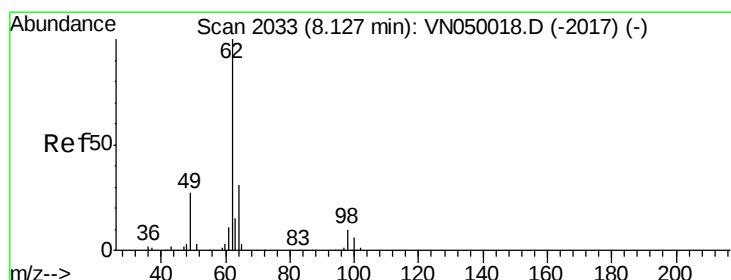
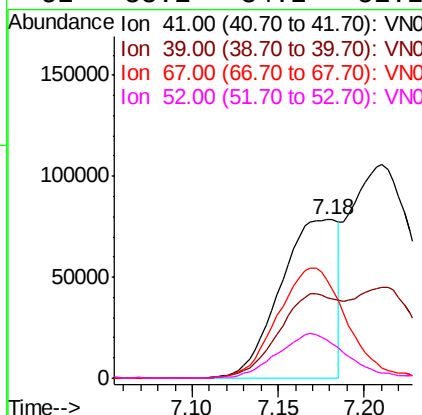
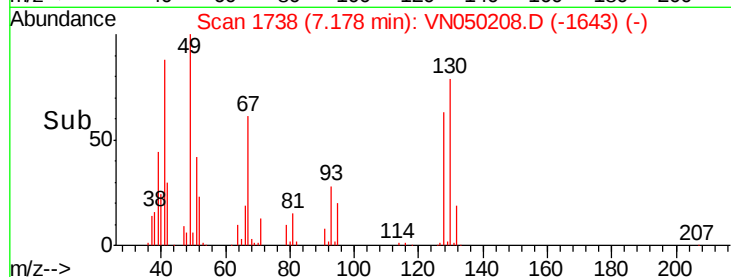
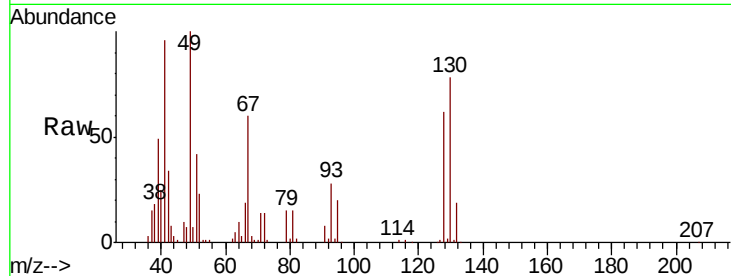
#41
Methacrylonitrile
Concen: 49.621 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	55.8	83.6
67	83.4	84.3	126.5#
52	33.1	34.2	51.2#

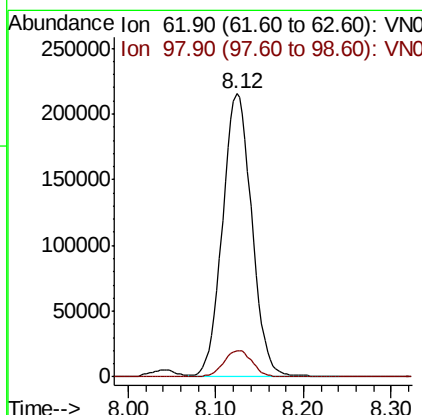
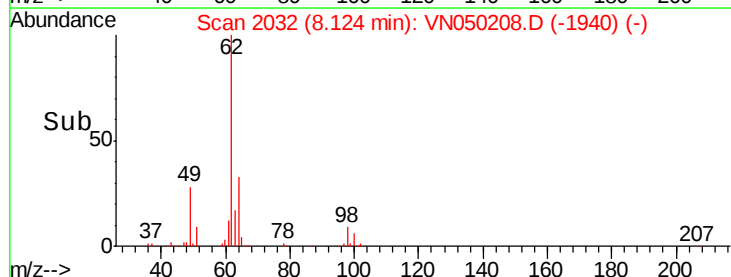
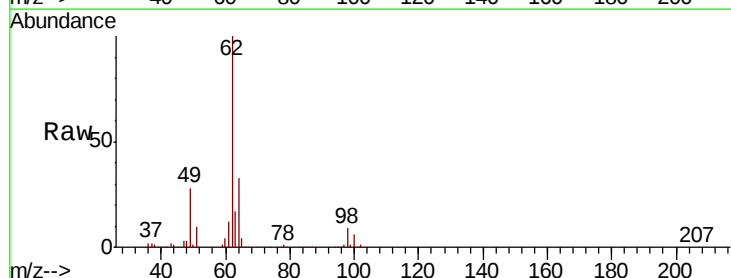
Manual Integrations
APPROVED

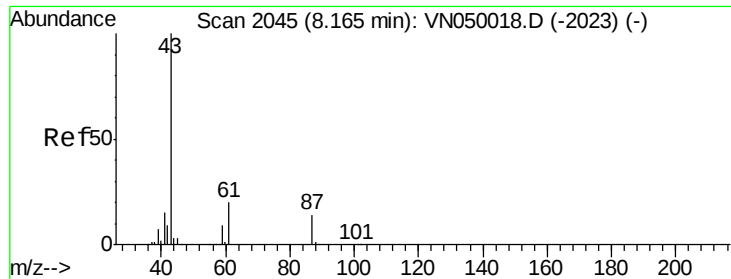
MMDadoda
8/1/2018 11:14:03 AM



#42
1,2-Dichloroethane
Concen: 48.659 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

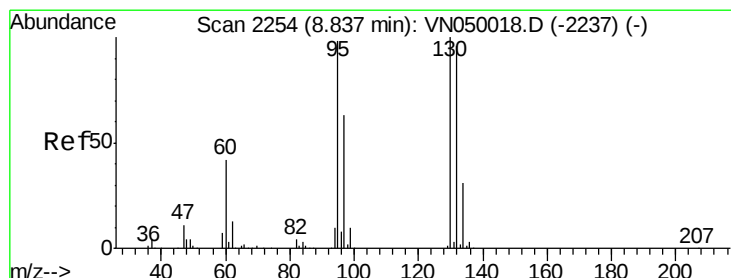
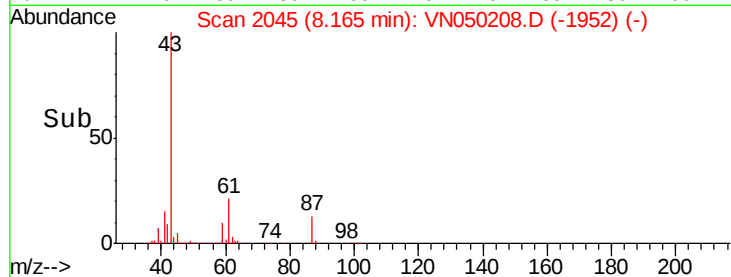
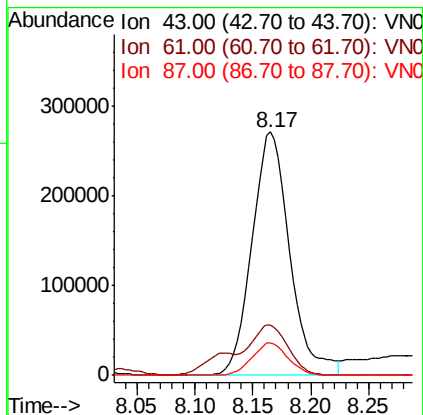
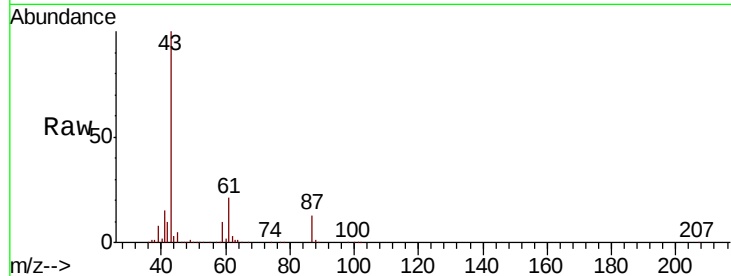
Isopropyl Acetate
 Concen: 46.134 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.6
87	12.7	10.3	15.5

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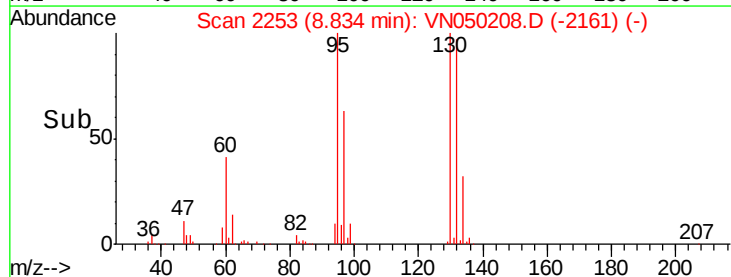
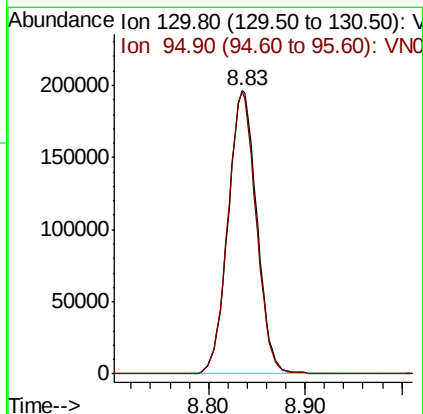
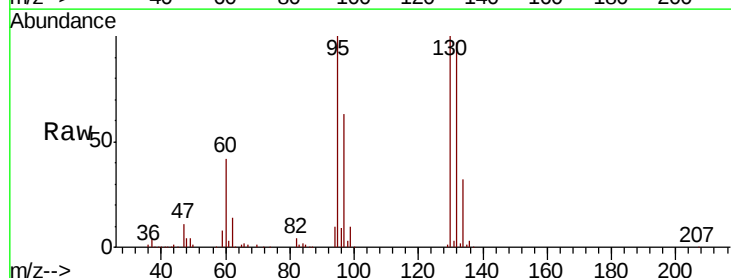
MMDadoda
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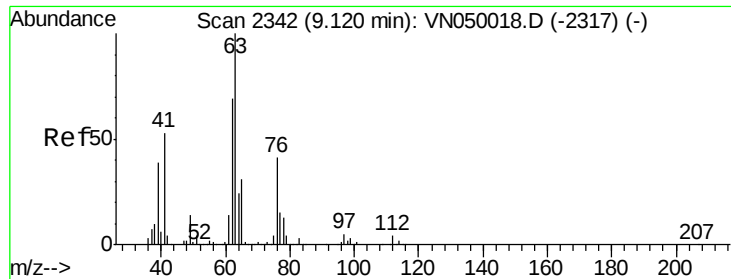


#44

Trichloroethene
 Concen: 48.780 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	194.6





#45

1,2-Dichloropropane

Concen: 50.854 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 414685

Ion Ratio Lower Upper

63 100

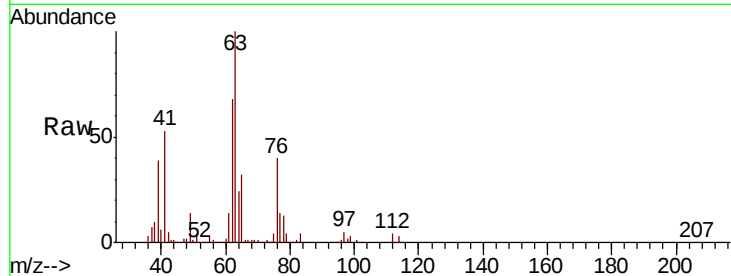
65 31.9 25.5 38.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN050208.D (-2317) (-)

Ion 64.90 (64.60 to 65.60): VN050208.D (-2317) (-)

9.12

200000

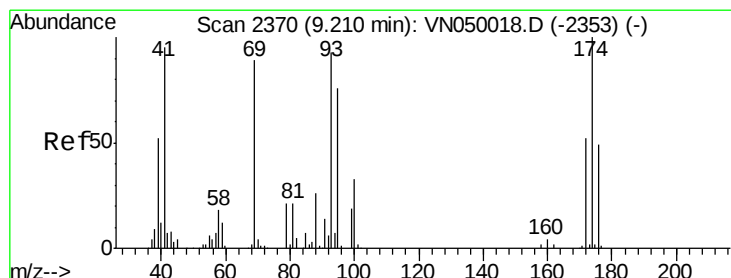
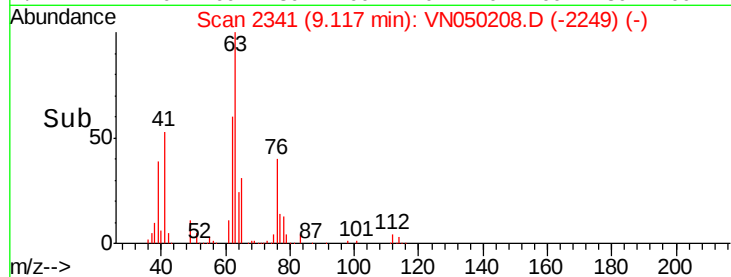
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.450 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

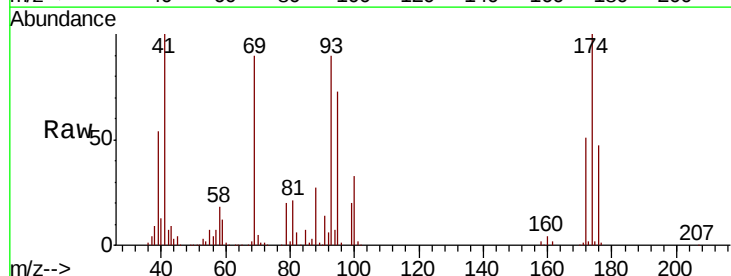
Tgt Ion: 93 Resp: 250382

Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 111.1 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN050208.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN050208.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN050208.D (-2277) (-)

9.21

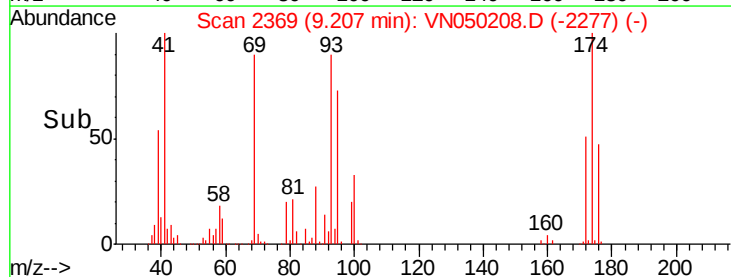
150000

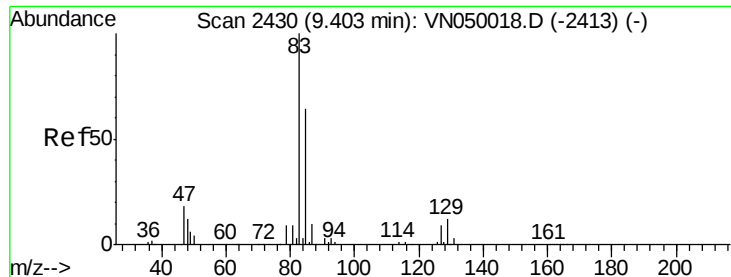
100000

50000

0

Time-->





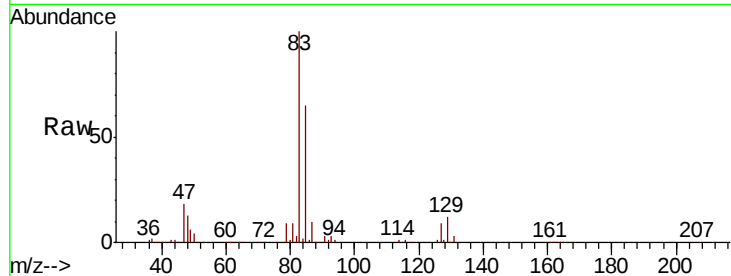
#47
Bromodichloromethane
Concen: 50.050 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

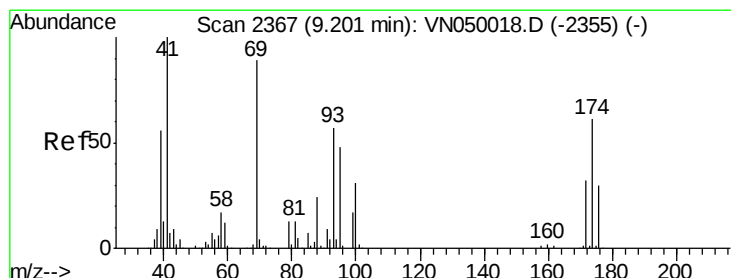
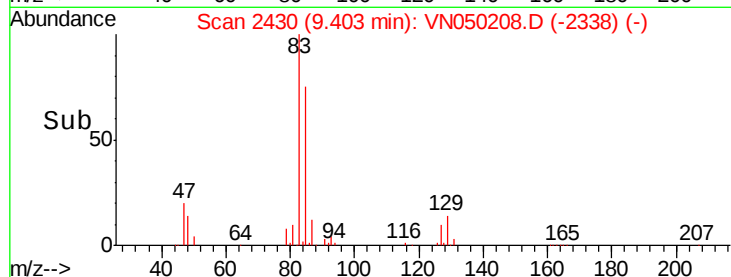
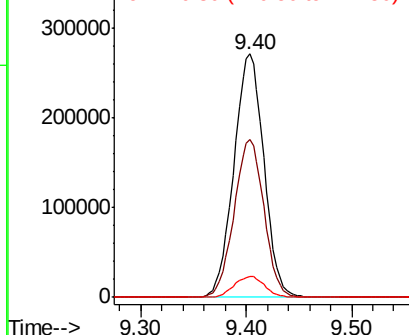
Tot Ion	83	Resp	534869
Ion Ratio	100		
85	64.6	51.1	76.7
127	8.5	7.0	10.4

Manual Integrations
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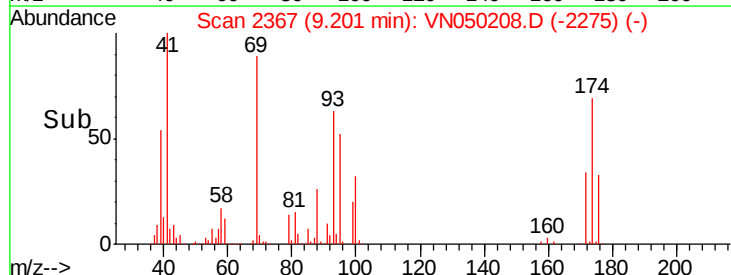
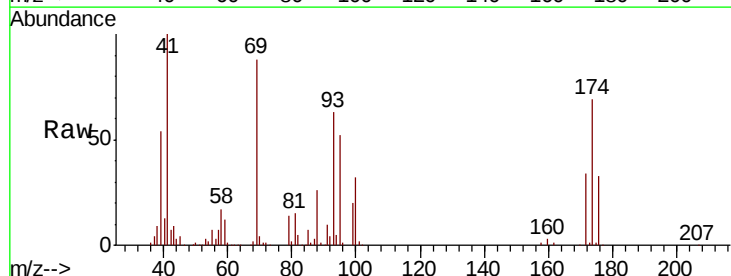
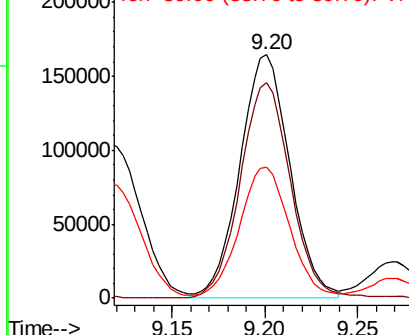
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

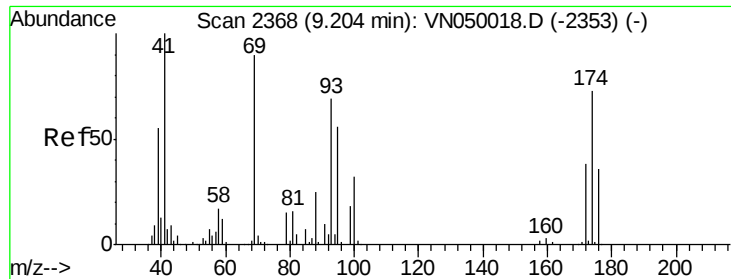


#48
Methyl methacrylate
Concen: 50.482 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	41	Resp	306678
Ion Ratio	100		
69	89.8	70.6	105.8
39	54.1	43.9	65.9

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





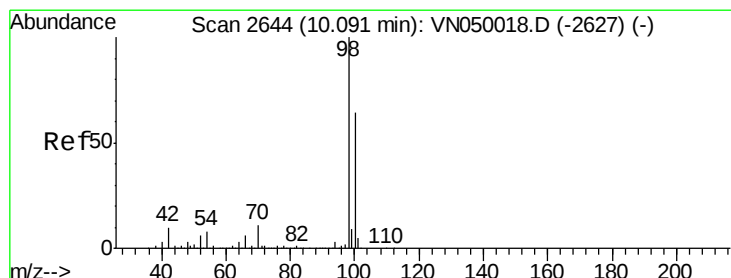
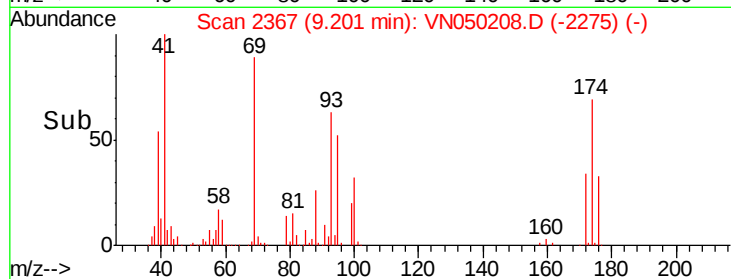
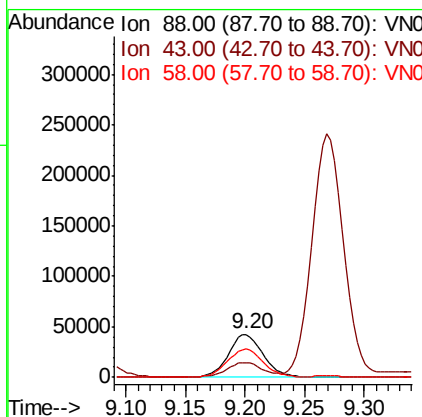
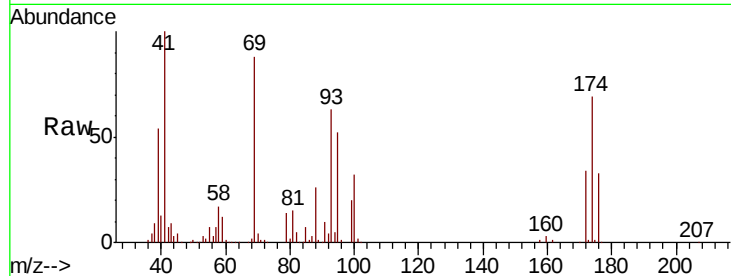
#49
1,4-Dioxane
Concen: 1041.974 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	86145
Ion Ratio	Lower	Upper	
88	100		
43	32.6	26.9	40.3
58	69.1	57.3	85.9

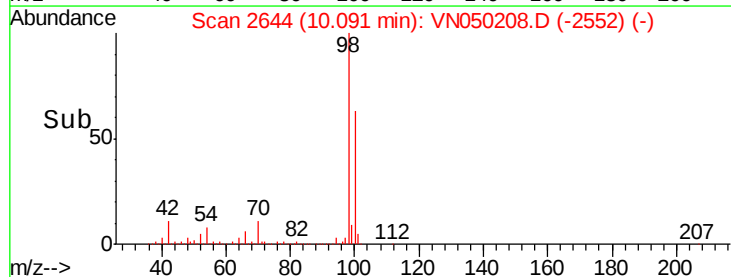
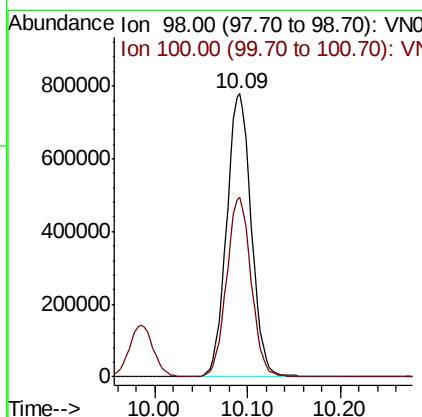
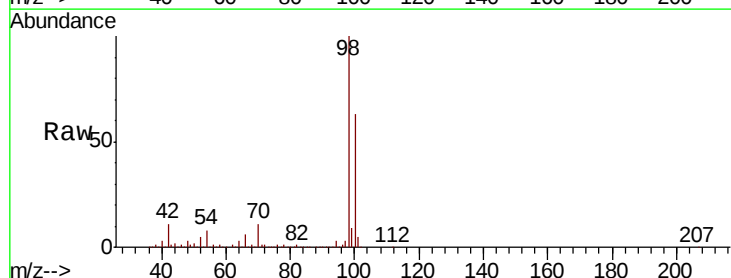
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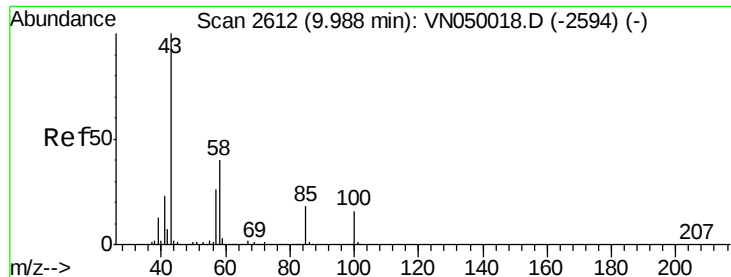
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#50
Toluene-d8
Concen: 53.217 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	98	Resp	1434509
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.7	76.1





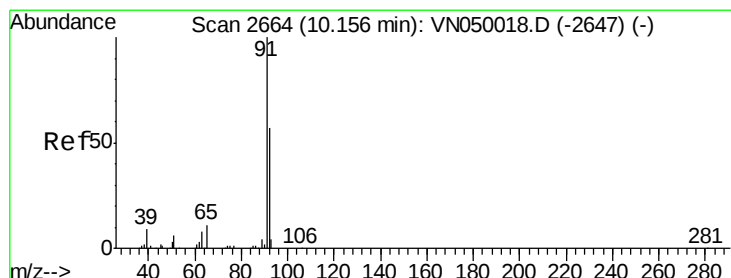
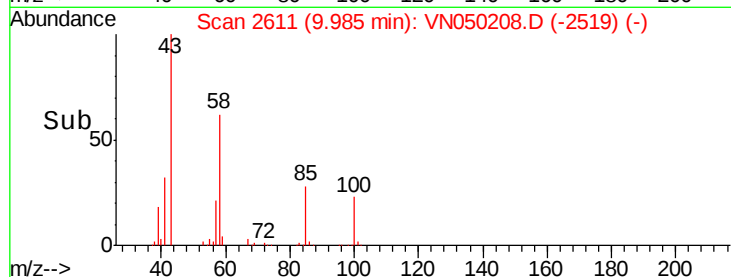
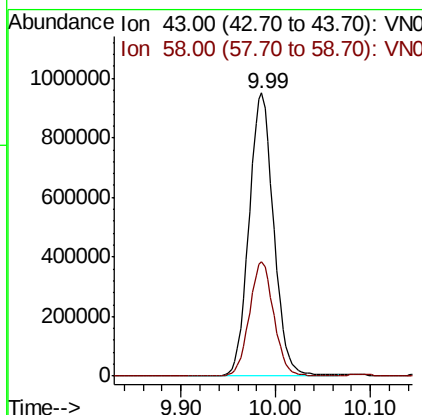
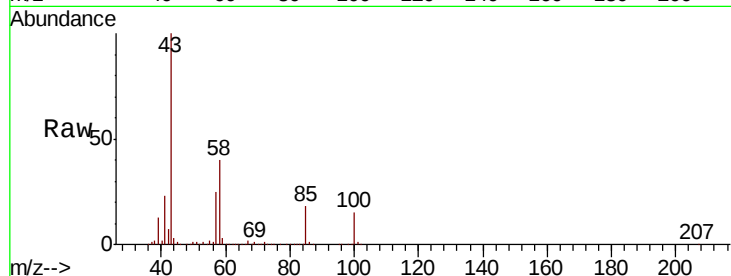
#51
4-Methyl-2-Pentanone
Concen: 247.391 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1715501
Ion Ratio Lower Upper
43 100
58 40.1 31.9 47.9

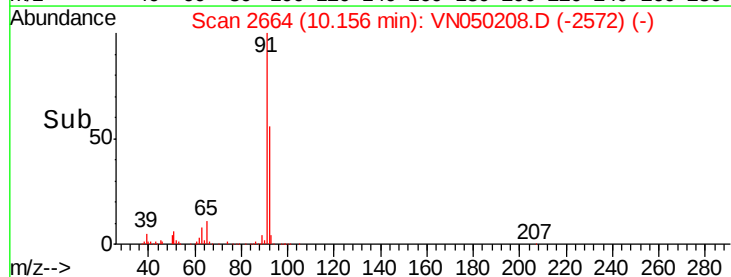
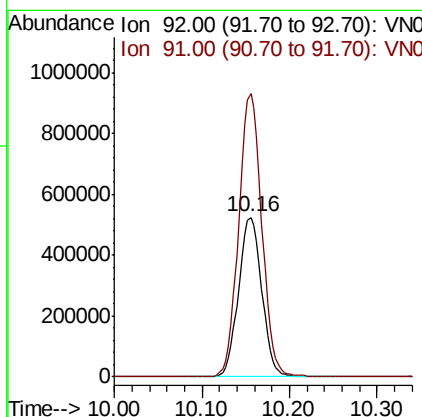
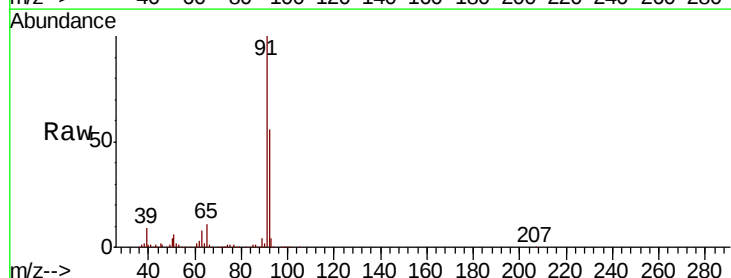
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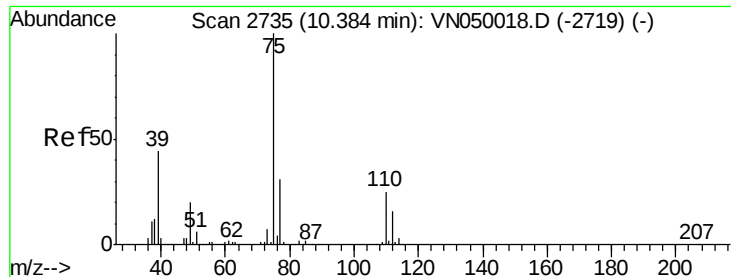
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#52
Toluene
Concen: 53.442 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 92 Resp: 971208
Ion Ratio Lower Upper
92 100
91 176.3 140.3 210.5





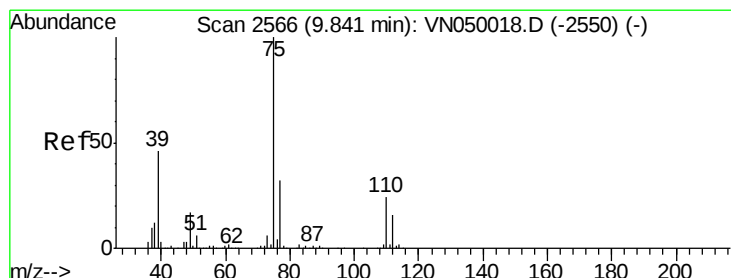
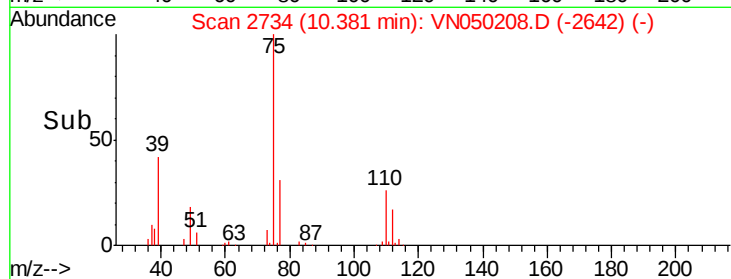
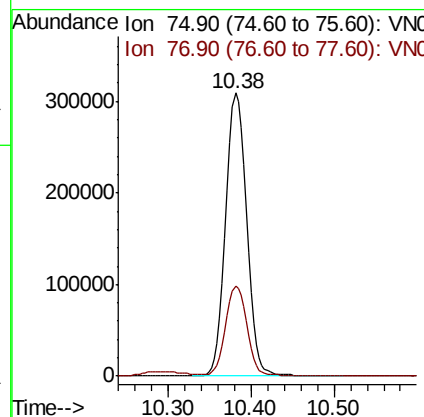
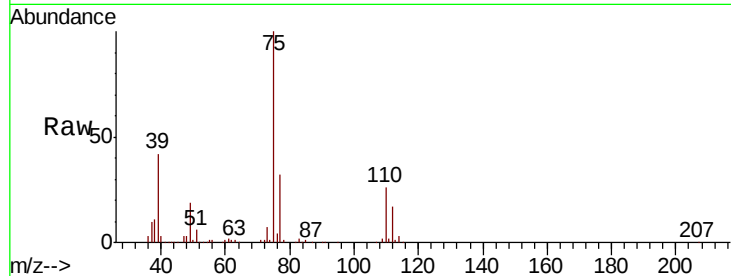
#53
t-1,3-Dichloropropene
Concen: 54.071 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

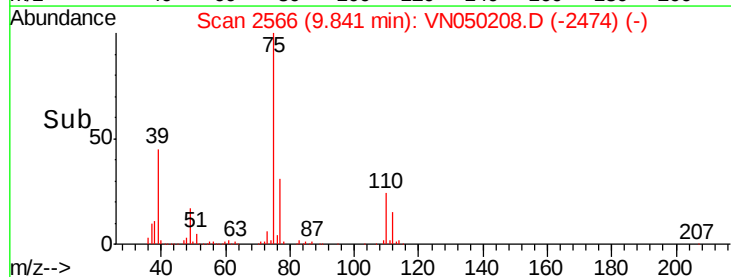
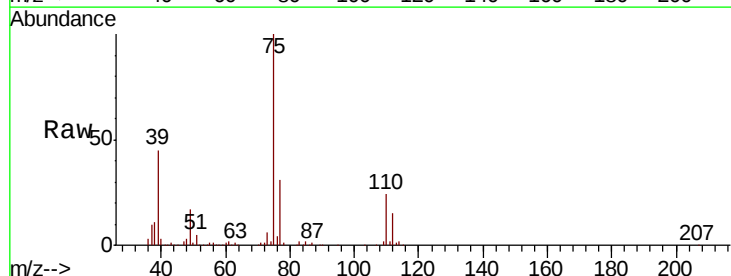
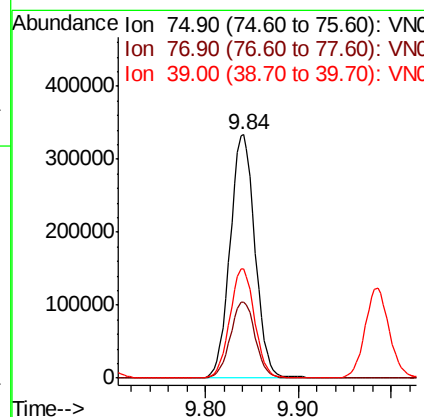
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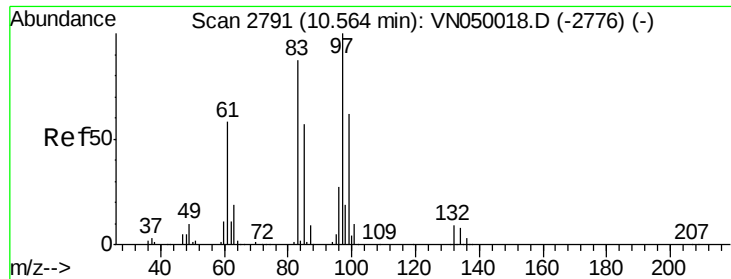
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#54
cis-1,3-Dichloropropene
Concen: 54.029 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	44.8	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 50.390 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

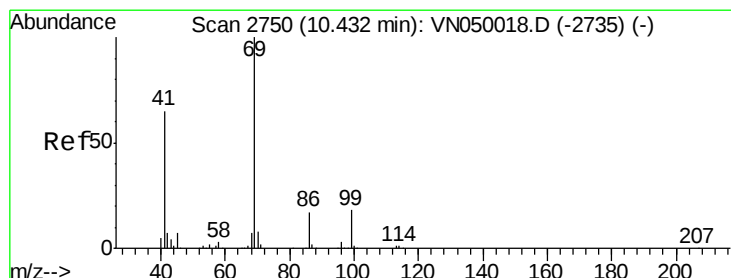
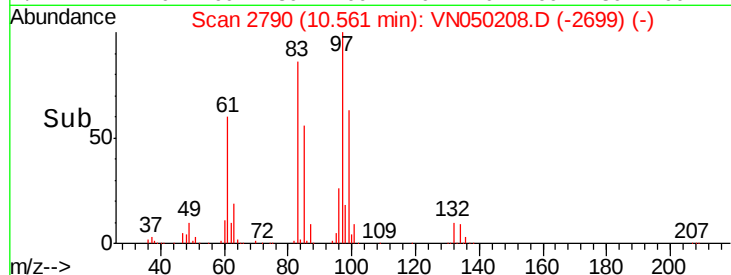
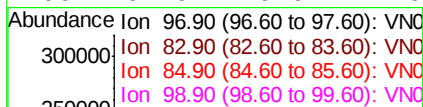
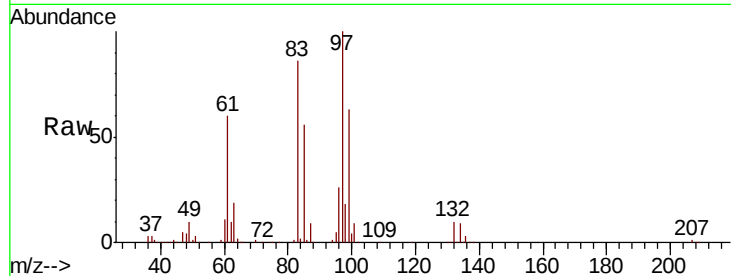
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		363225		
83	86.2	69.2	103.8		
85	56.4	44.0	66.0		
99	62.9	49.9	74.9		

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#56

Ethyl methacrylate

Concen: 47.010 ug/l

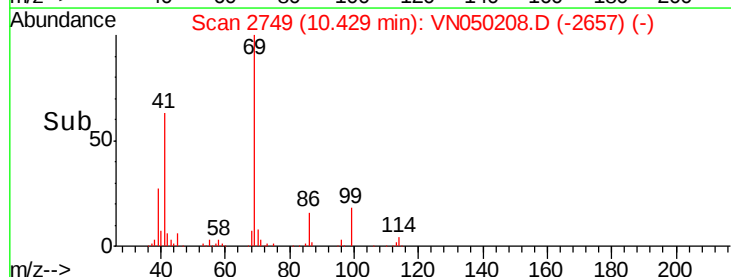
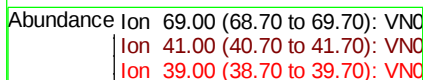
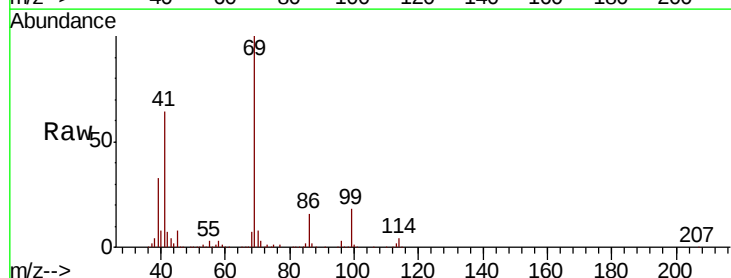
RT: 10.43 min Scan# 2749

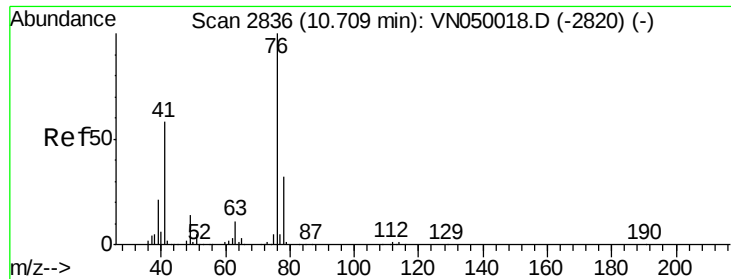
Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		457799		
41	63.9	51.0	76.4		
39	32.9	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 51.716 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 607043

Ion Ratio Lower Upper

76 100

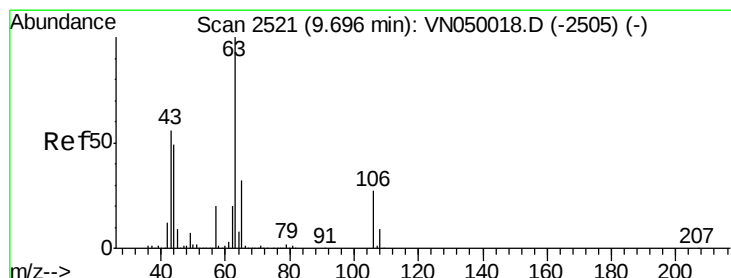
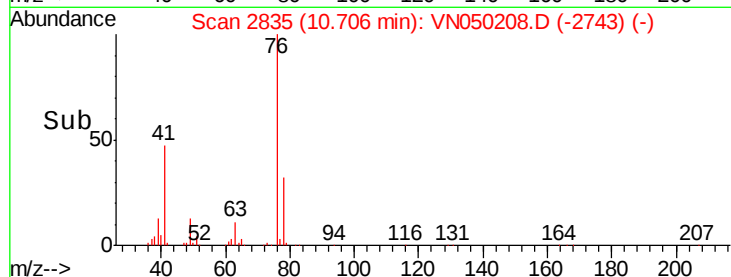
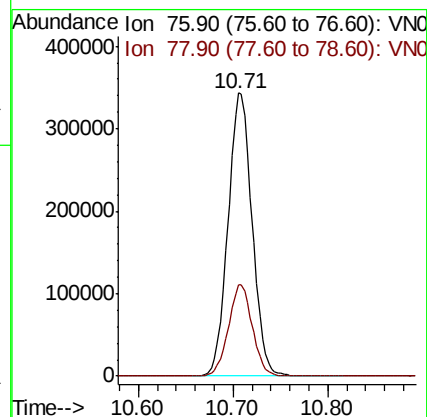
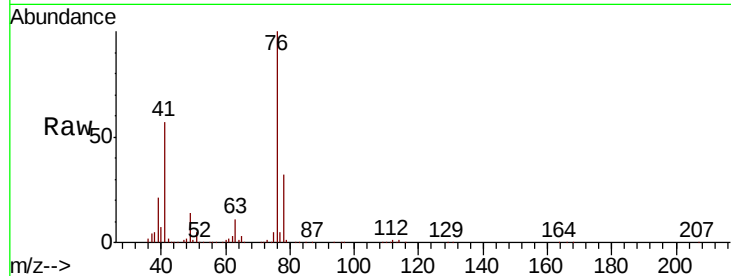
78 32.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 234.904 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050208.D

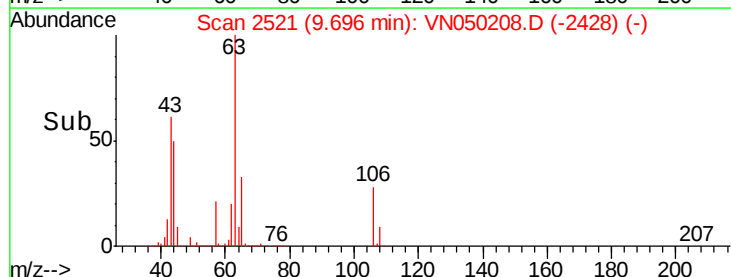
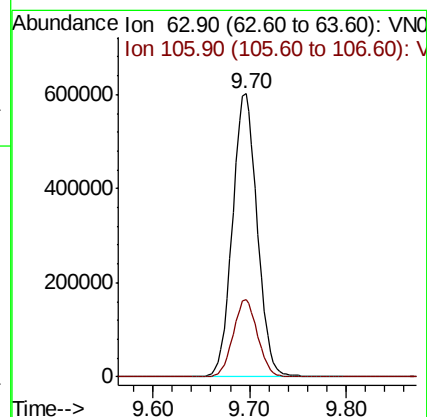
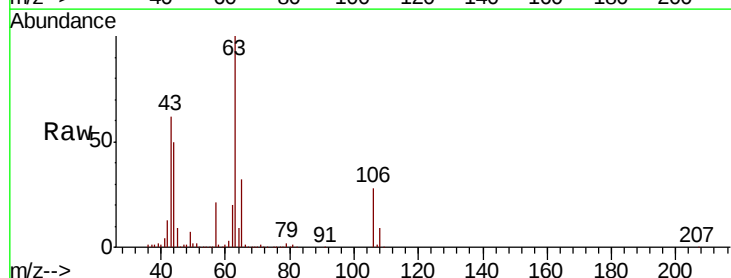
Acq: 31 Jul 2018 11:49

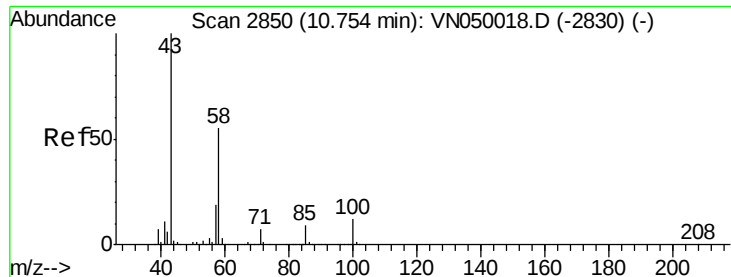
Tgt Ion: 63 Resp: 1069198

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5





#59

2-Hexanone

Concen: 238.368 ug/l

RT: 10.75 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1213344

Ion Ratio Lower Upper

43 100

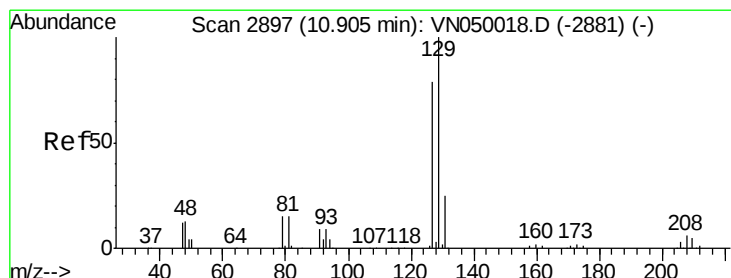
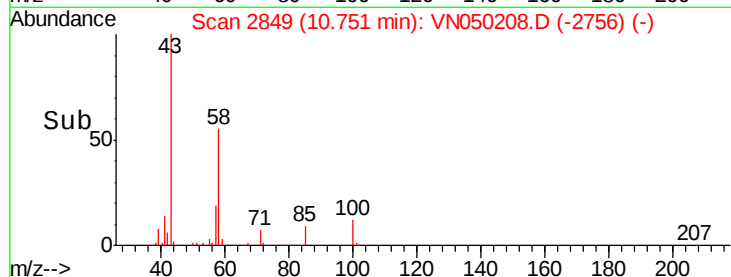
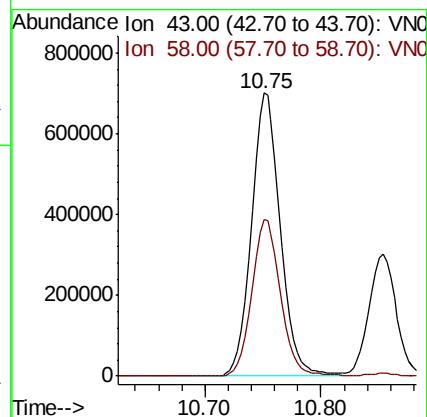
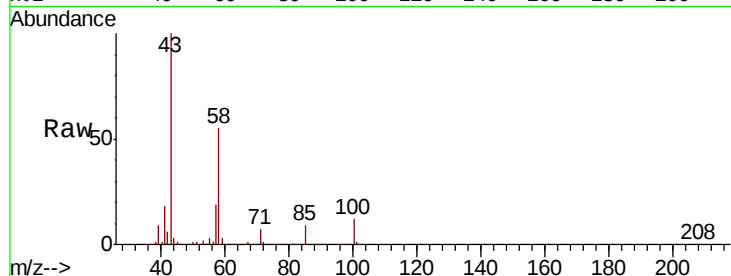
58 55.3 27.6 82.7

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#60

Dibromochloromethane

Concen: 51.803 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050208.D

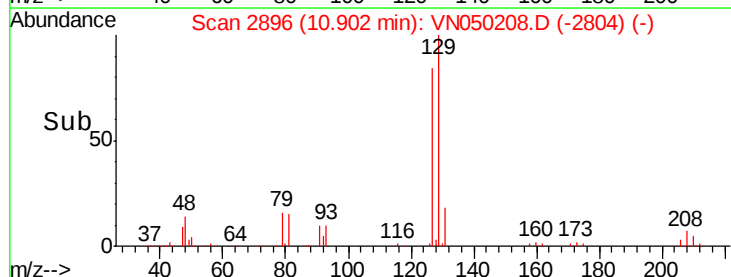
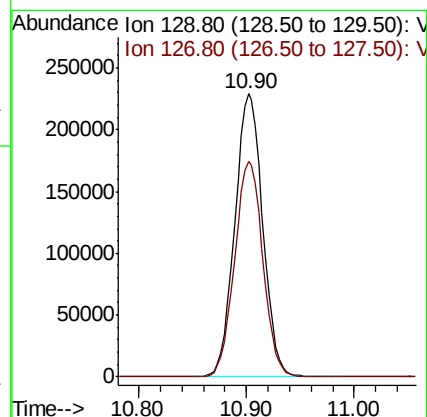
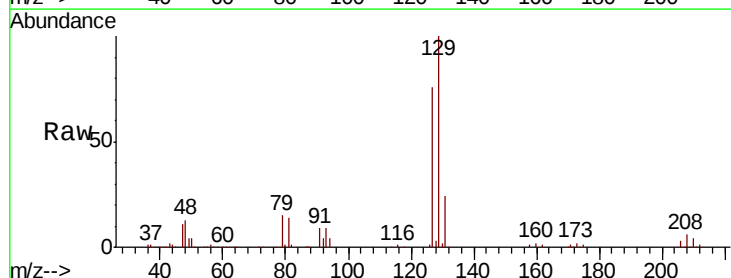
Acq: 31 Jul 2018 11:49

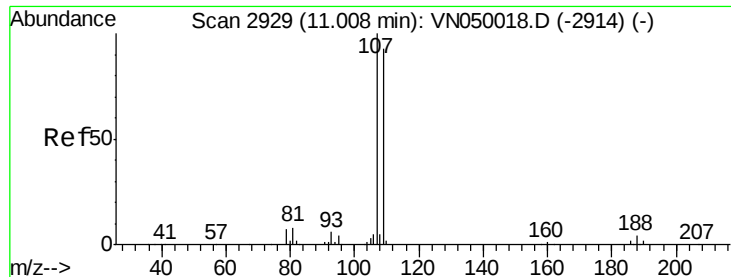
Tgt Ion: 129 Resp: 413432

Ion Ratio Lower Upper

129 100

127 77.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 50.101 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 358321

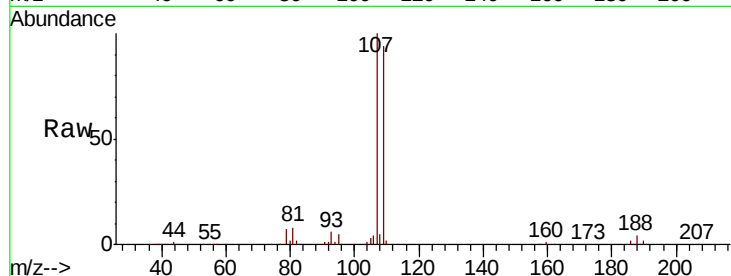
Ion Ratio Lower Upper

107 100

109 94.1 74.6 112.0

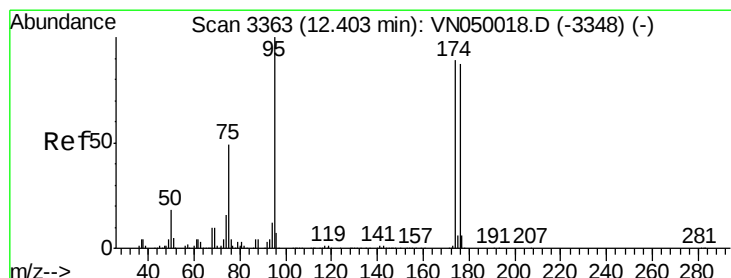
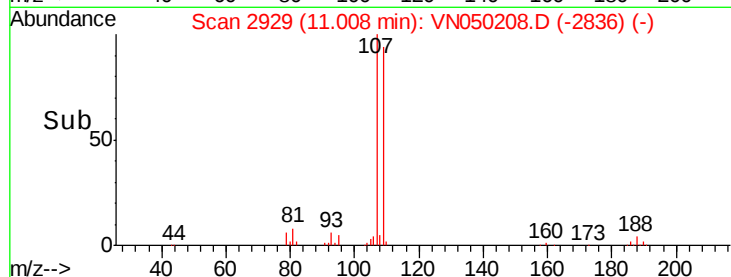
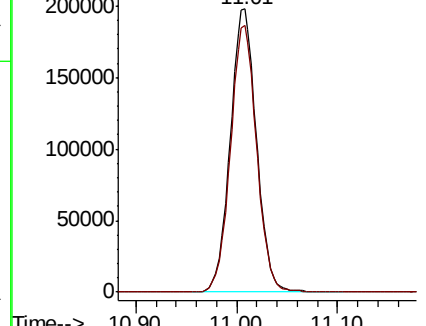
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.731 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

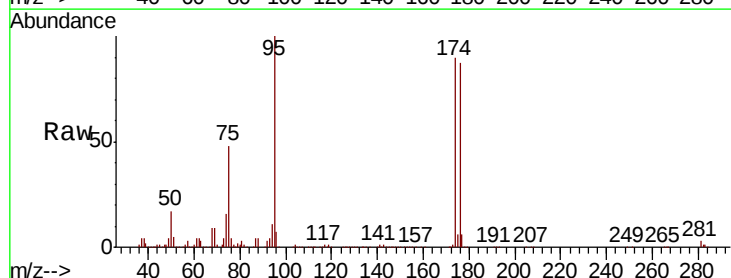
Tgt Ion: 95 Resp: 503535

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.2

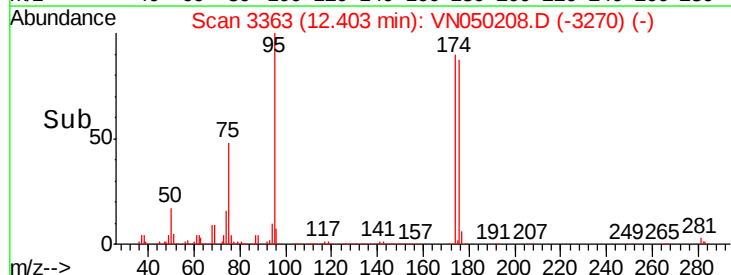
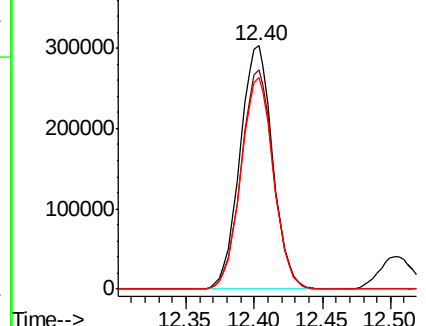
176 86.6 0.0 173.4

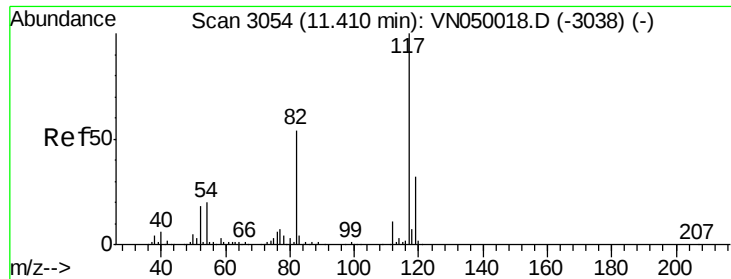


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





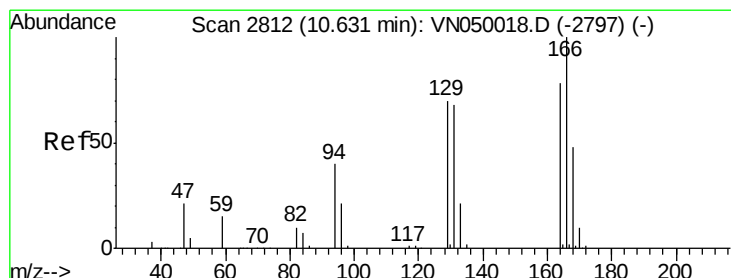
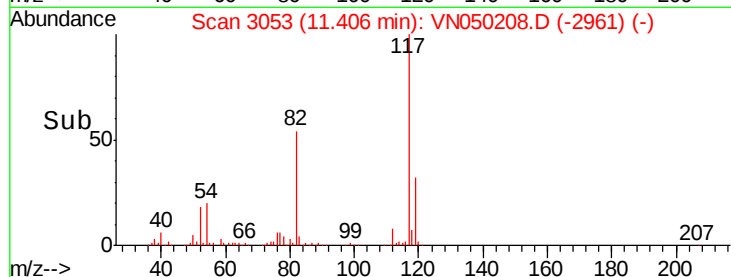
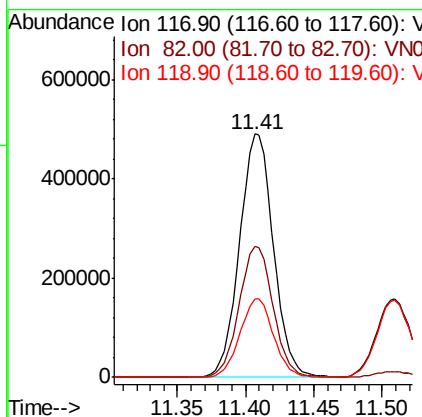
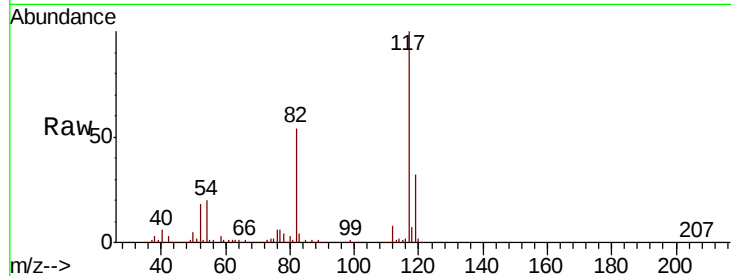
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	32.0	26.1	39.1

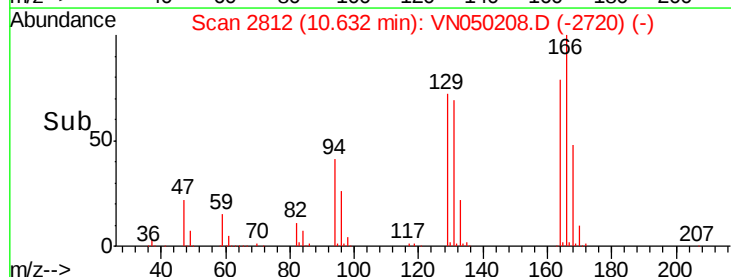
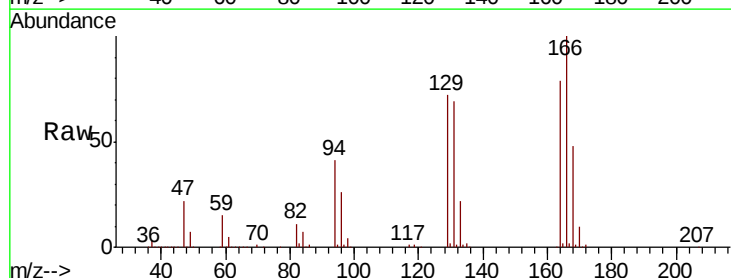
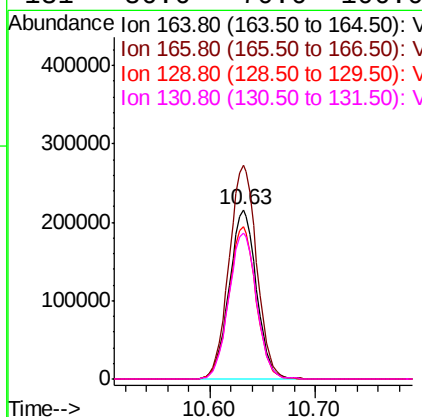
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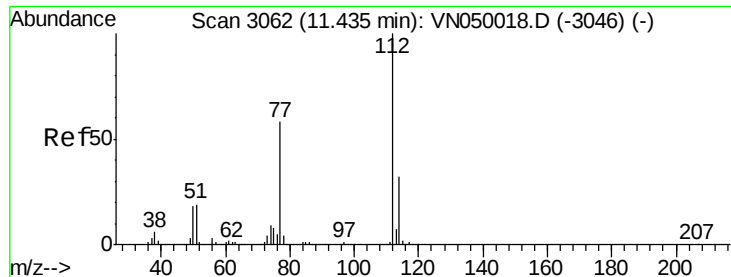
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#64
Tetrachloroethene
Concen: 47.054 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.1	153.1
129	90.4	73.2	109.8
131	86.6	70.6	106.0





#65

Chlorobenzene

Concen: 49.612 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1062308

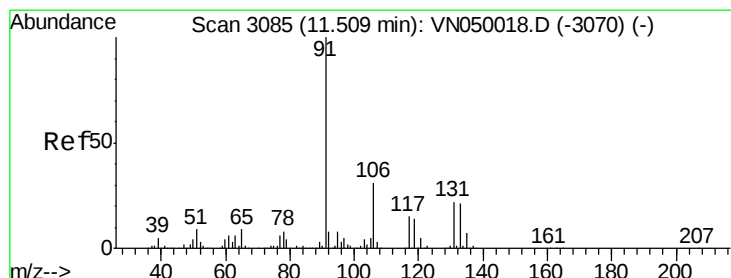
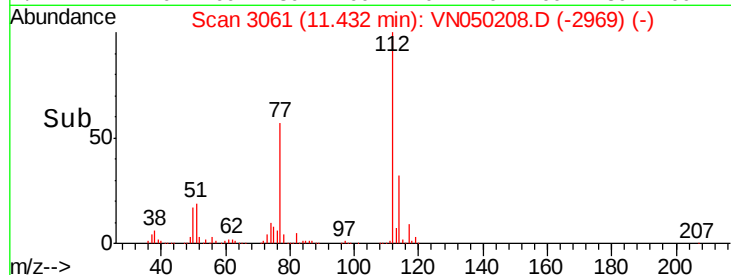
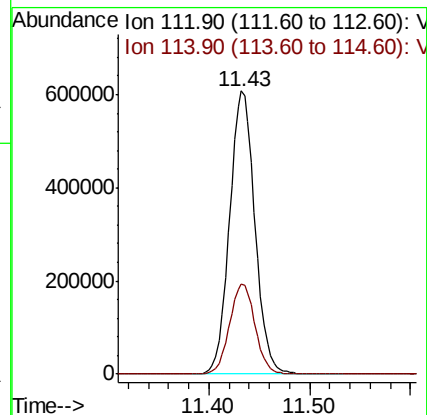
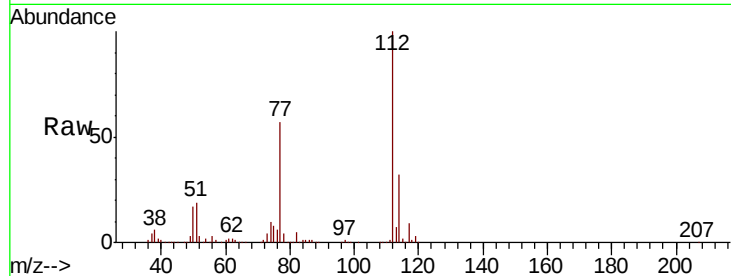
Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.007 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

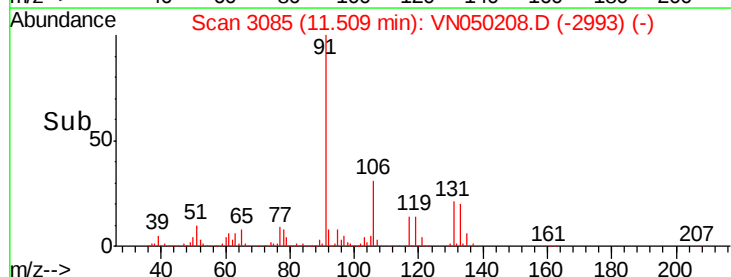
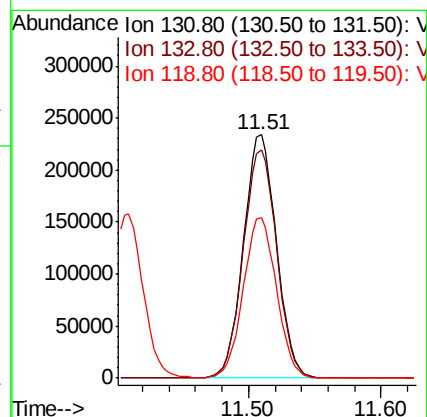
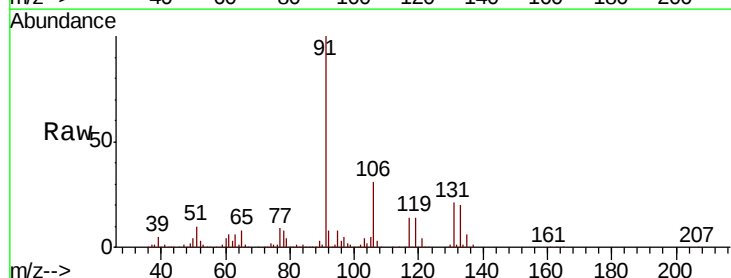
Tgt Ion:131 Resp: 403191

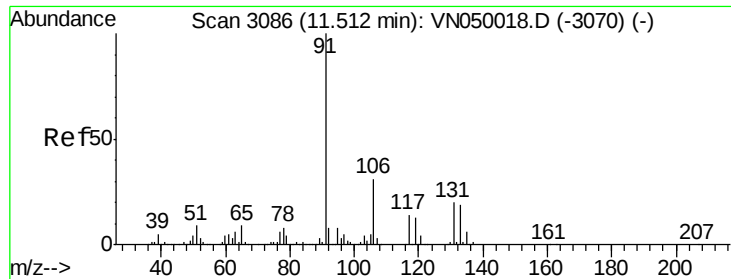
Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

119 66.7 32.9 98.7





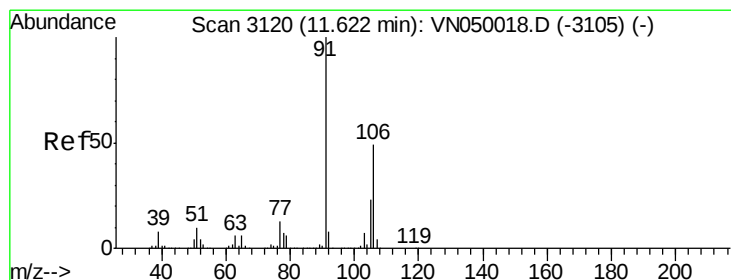
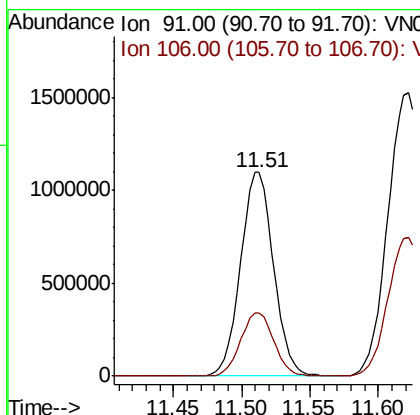
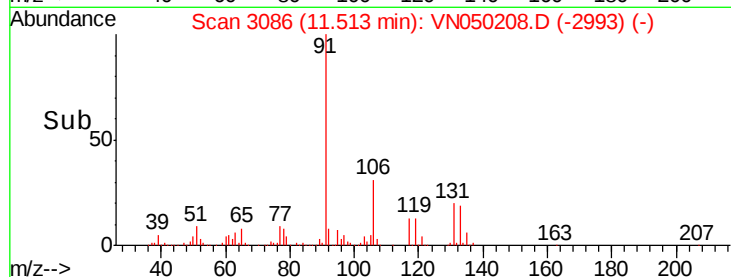
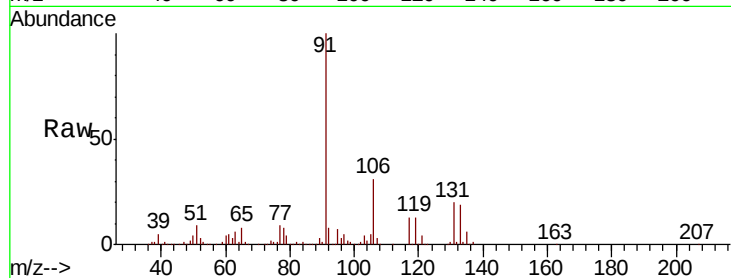
#67
Ethyl Benzene
Concen: 53.470 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1839142
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

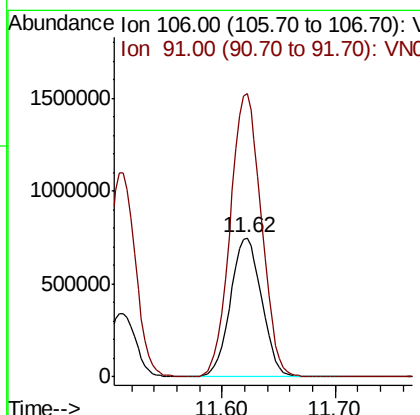
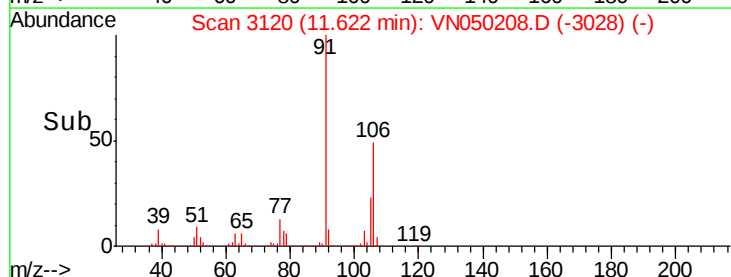
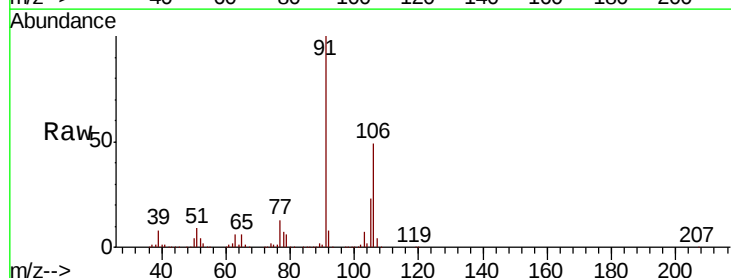
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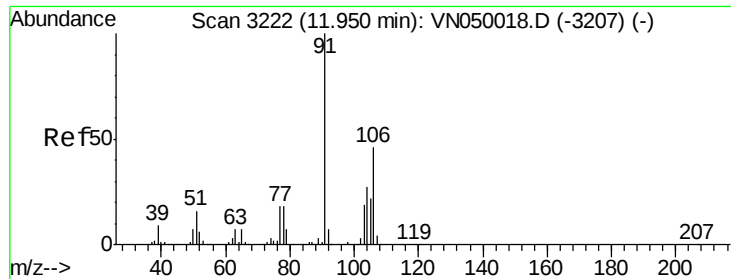
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#68
m/p-Xylenes
Concen: 110.377 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 106 Resp: 1436012
Ion Ratio Lower Upper
106 100
91 203.4 162.2 243.2





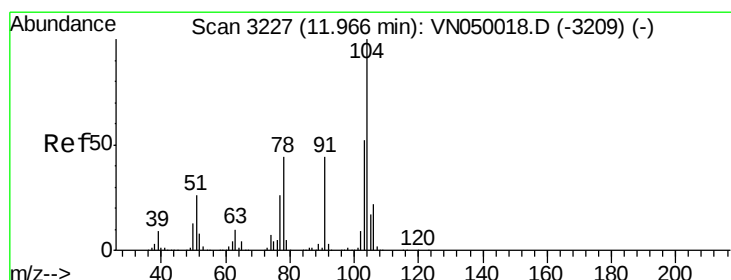
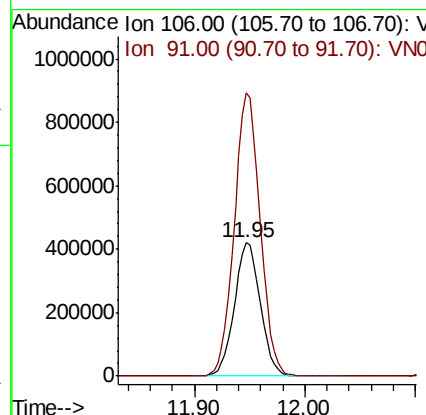
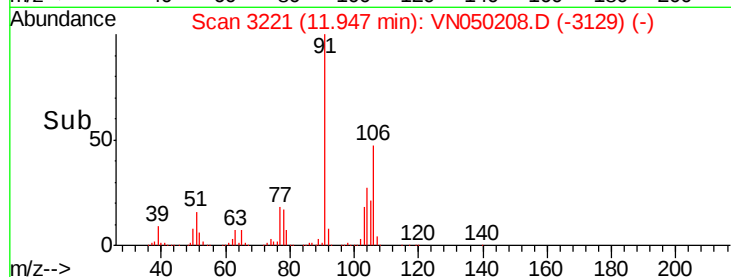
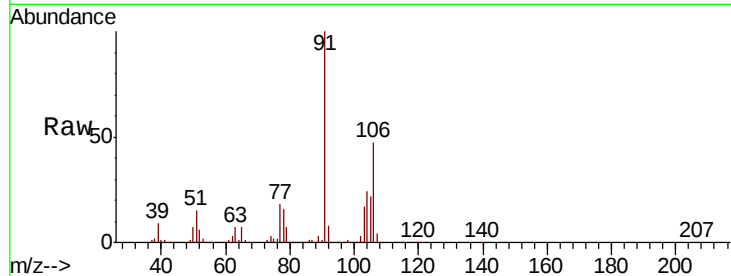
#69
o-Xylene
Concen: 55.154 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 684042
Ion Ratio Lower Upper
106 100
91 212.4 107.7 323.1

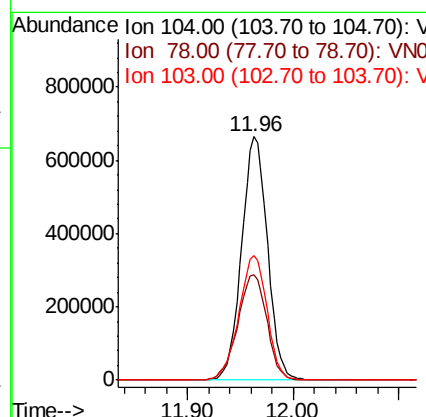
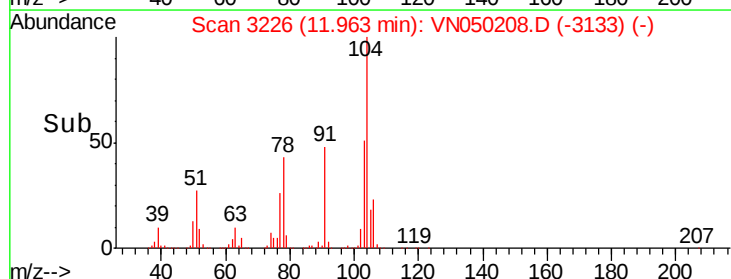
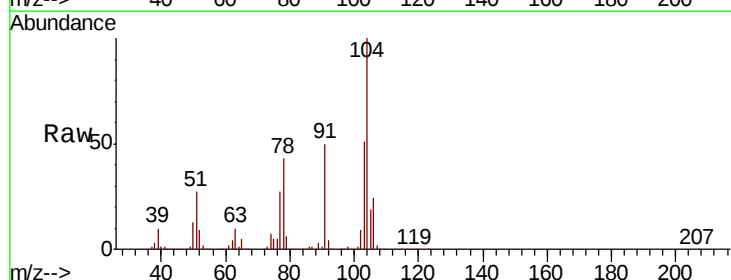
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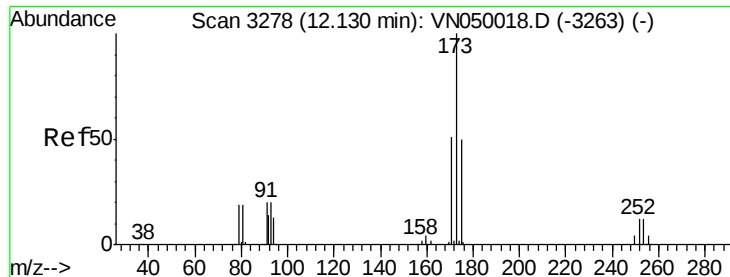
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#70
Styrene
Concen: 51.194 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion:104 Resp: 1129719
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 55.7 45.0 67.6





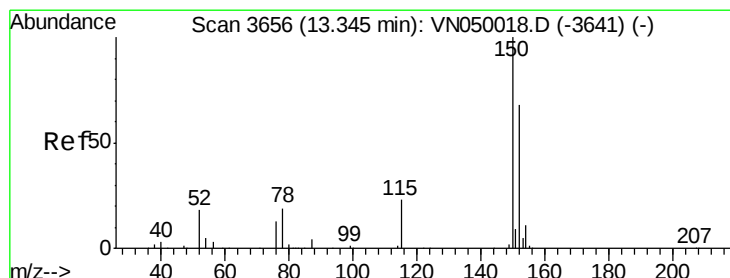
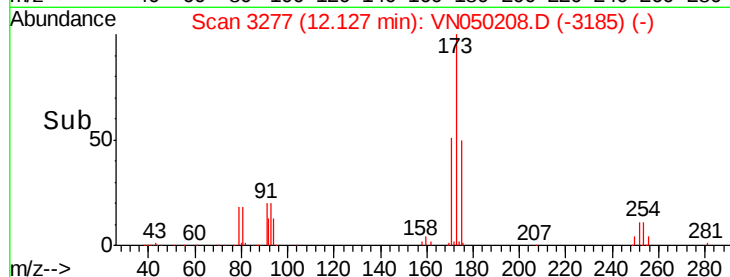
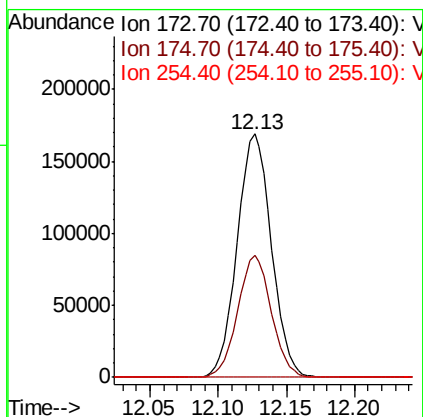
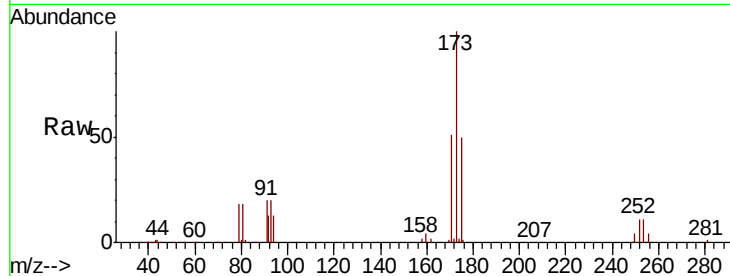
#71
Bromoform
Concen: 49.242 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.2
254	0.1	0.2	0.2#

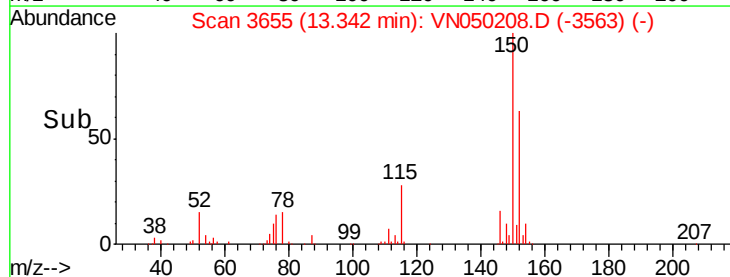
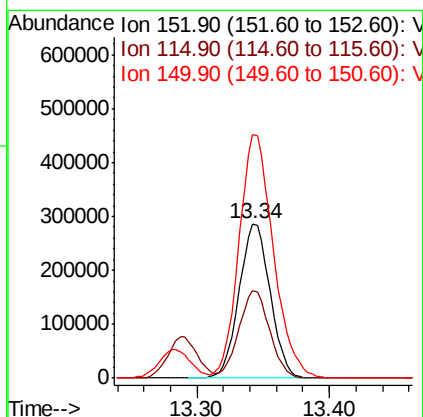
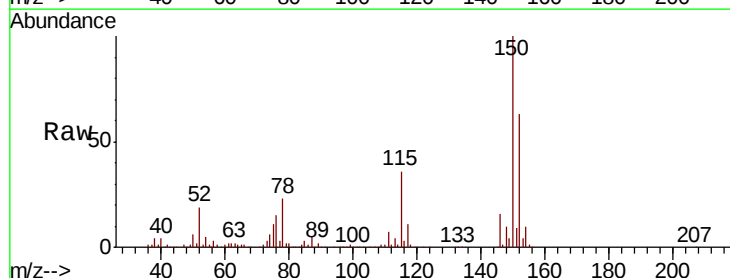
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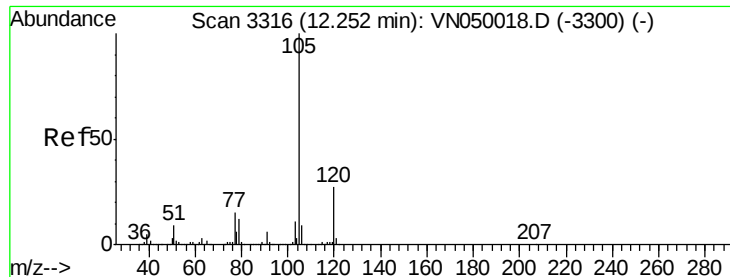
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.3
150	174.6	0.0	348.6





#73

Isopropylbenzene

Concen: 51.102 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 1844622

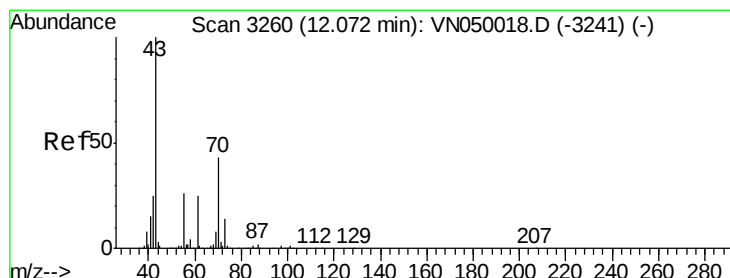
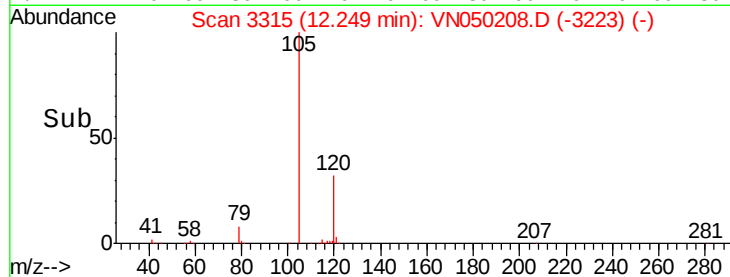
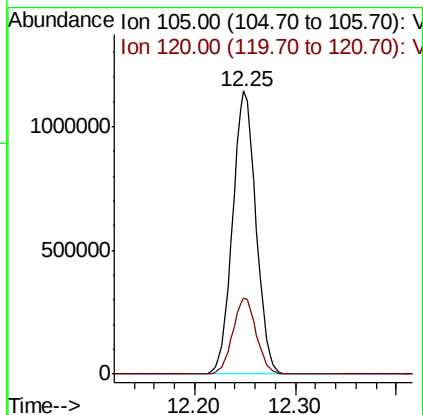
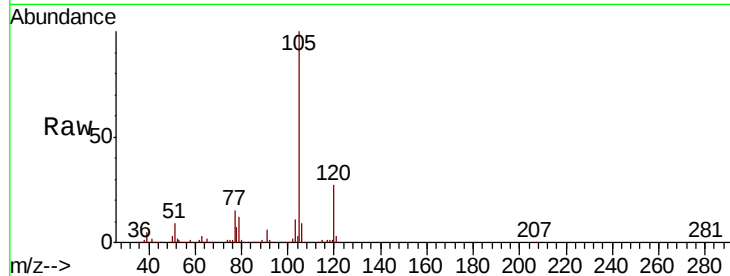
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 46.855 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion: 43 Resp: 516911

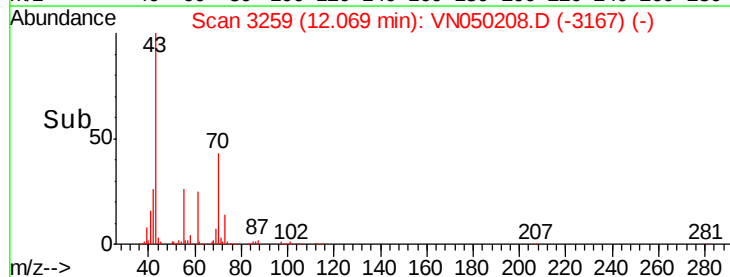
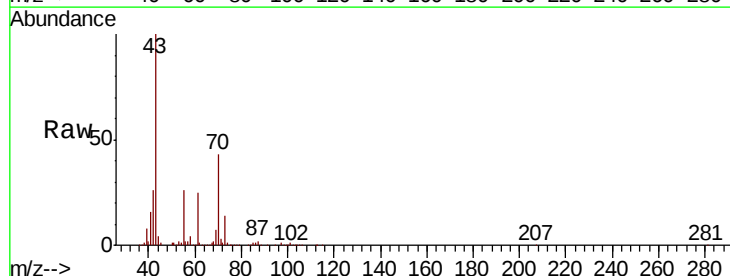
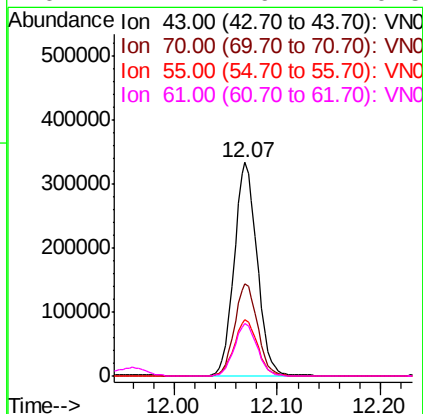
Ion Ratio Lower Upper

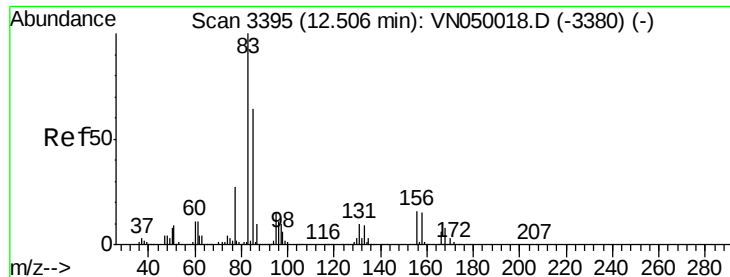
43 100

70 43.1 34.4 51.6

55 26.9 20.8 31.2

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.739 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 470319

Ion Ratio Lower Upper

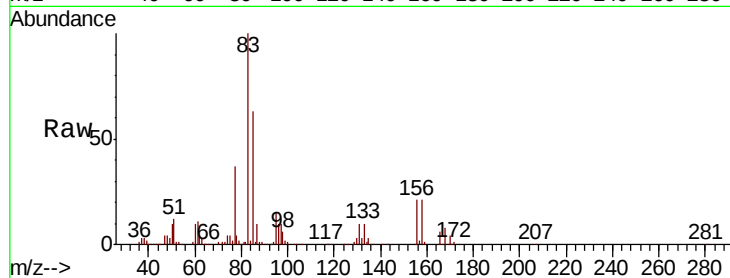
83 100

131 10.3 5.1 15.3

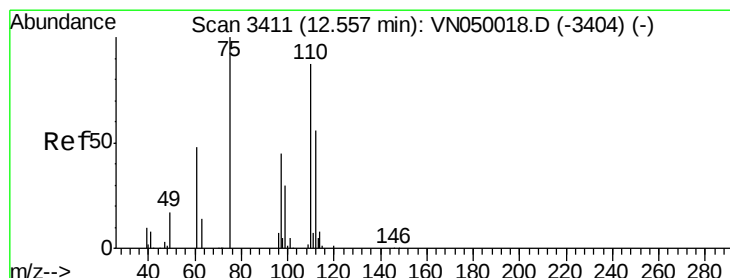
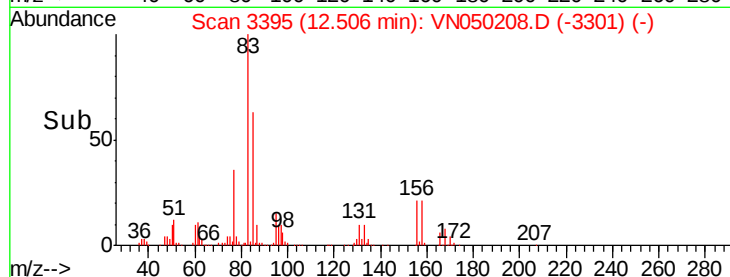
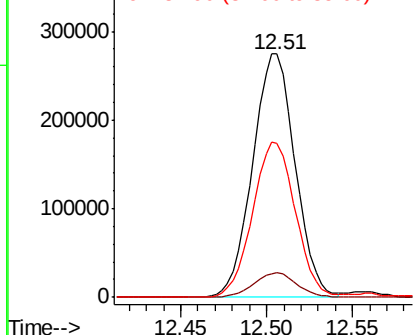
85 64.1 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.077 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050208.D

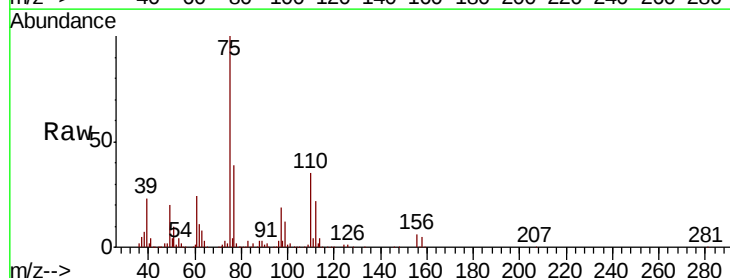
Acq: 31 Jul 2018 11:49

Tgt Ion: 75 Resp: 389904

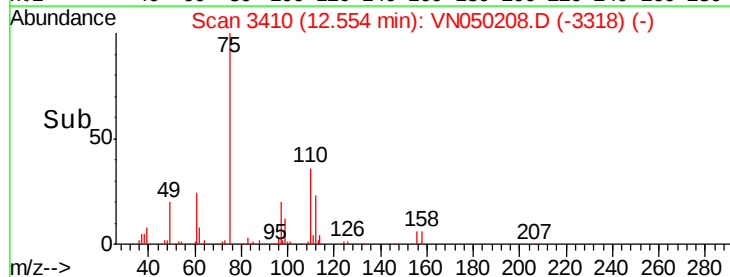
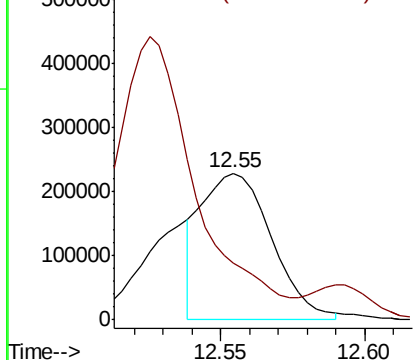
Ion Ratio Lower Upper

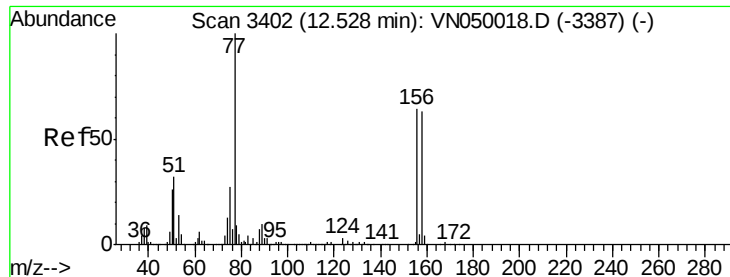
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.310 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 473309

Ion Ratio Lower Upper

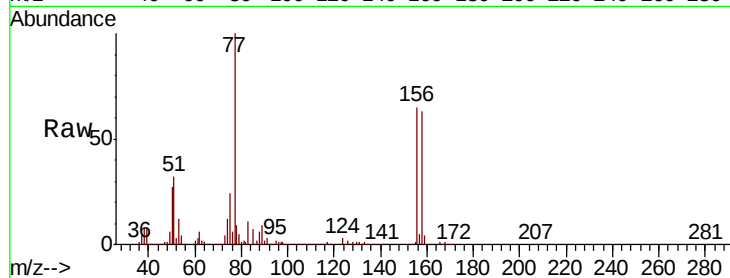
156 100

77 184.4 91.7 275.1

158 97.7 48.9 146.6

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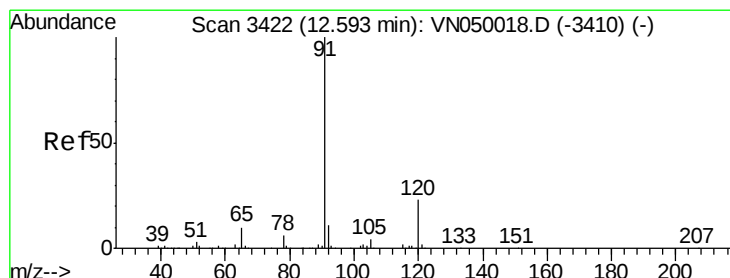
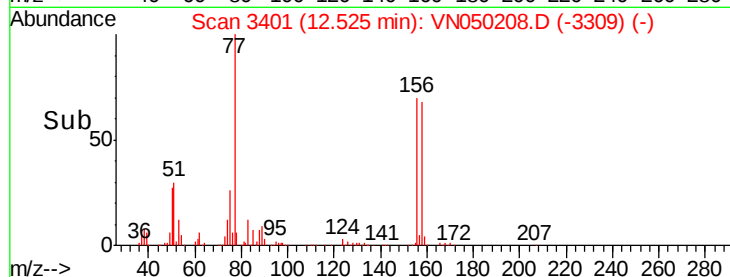
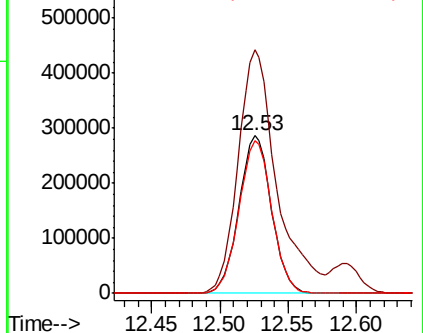
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.704 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050208.D

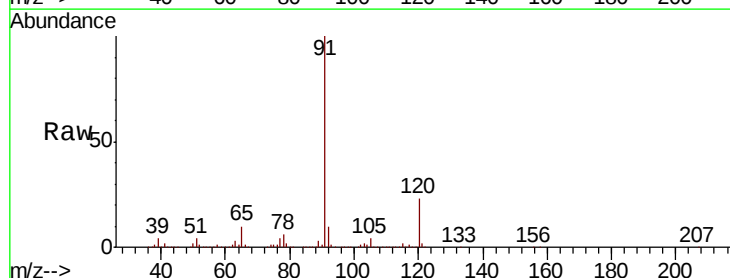
Acq: 31 Jul 2018 11:49

Tgt Ion: 91 Resp: 2166778

Ion Ratio Lower Upper

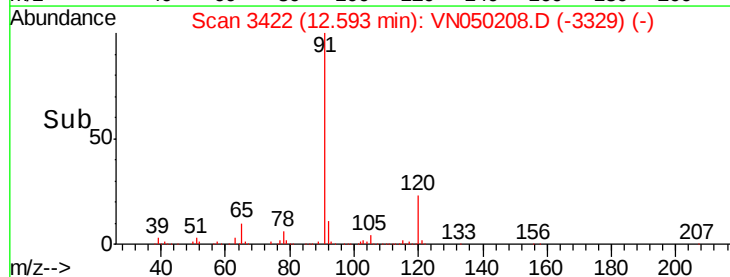
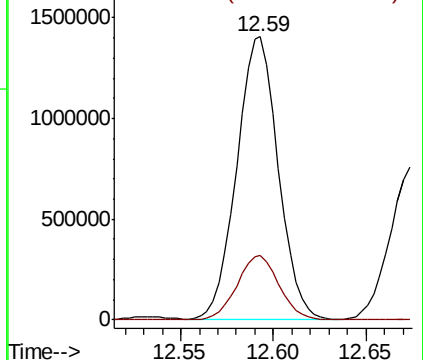
91 100

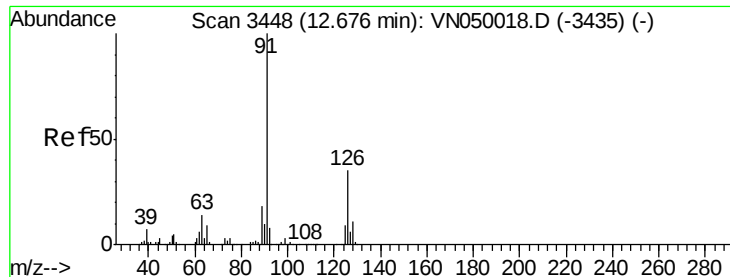
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.696 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1267776

Ion Ratio Lower Upper

91 100

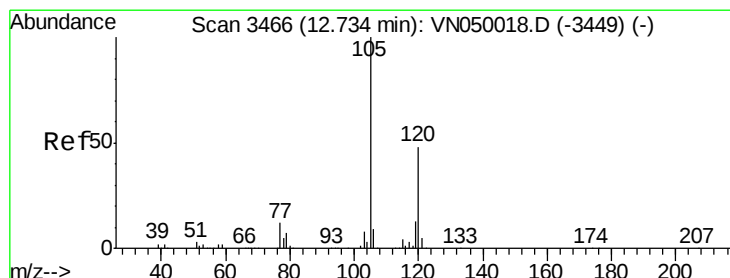
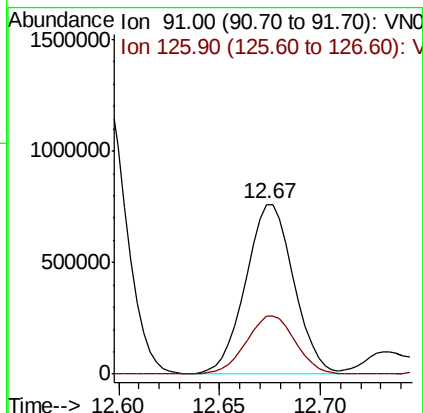
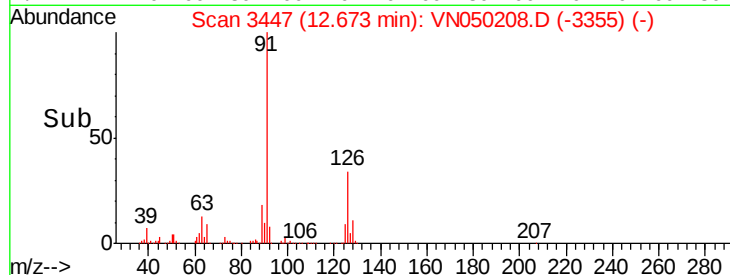
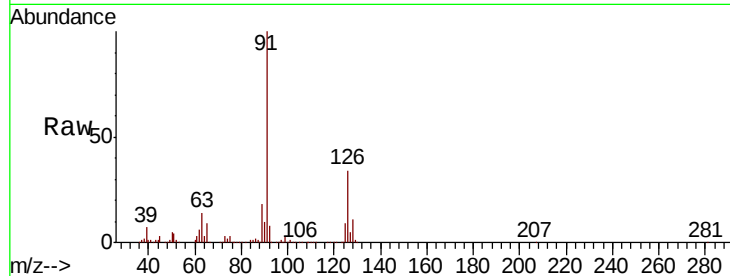
126 35.1 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 54.220 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050208.D

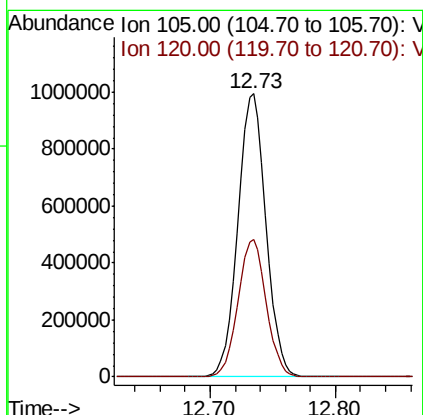
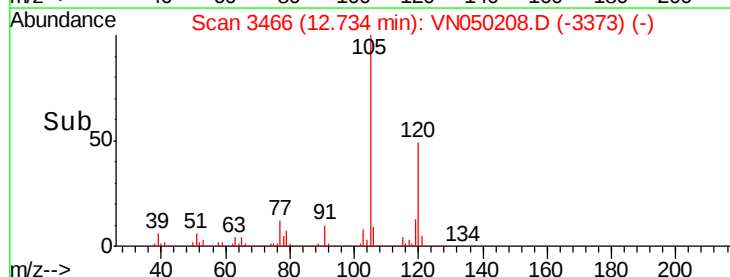
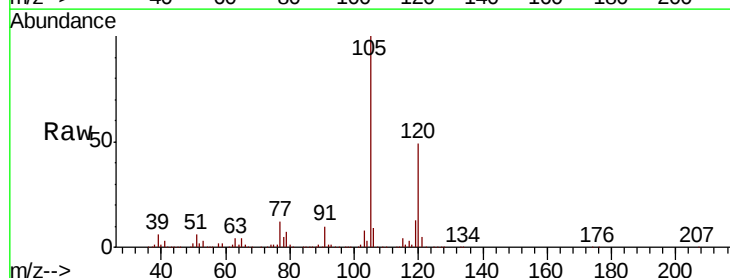
Acq: 31 Jul 2018 11:49

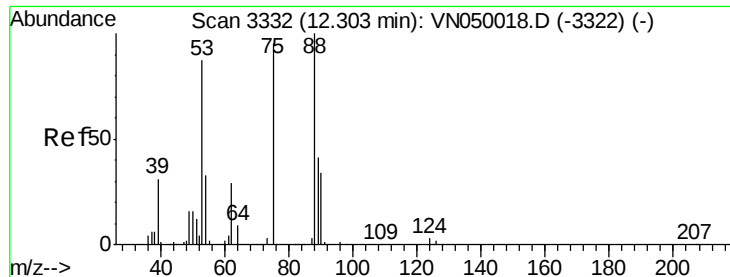
Tgt Ion: 105 Resp: 1539493

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.786 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

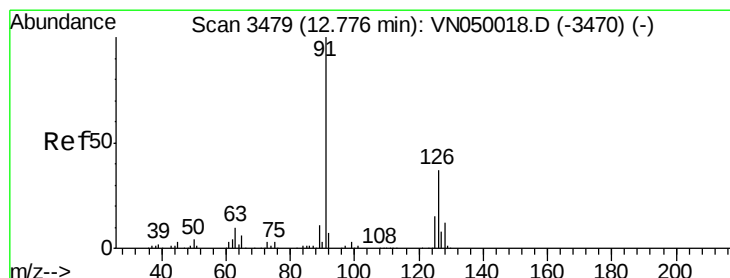
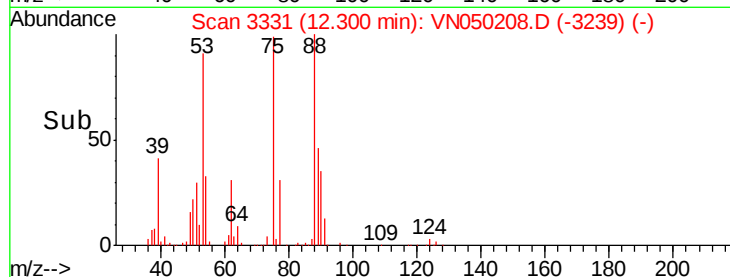
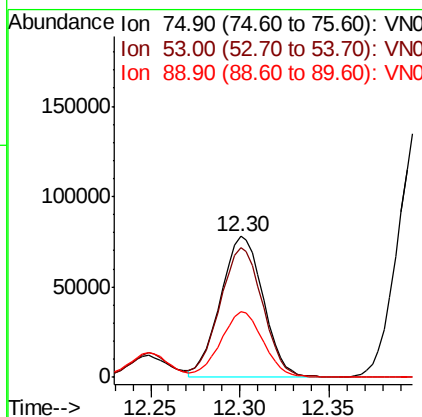
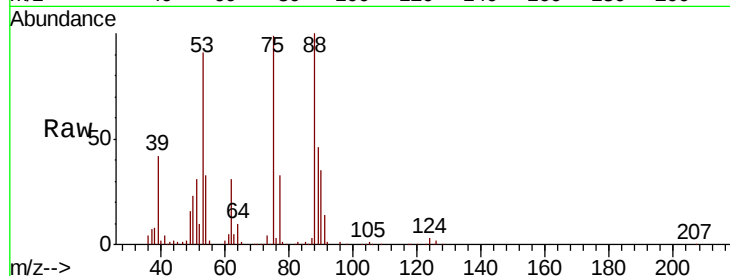
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	130313
Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.5	110.3
89	45.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.968 ug/l

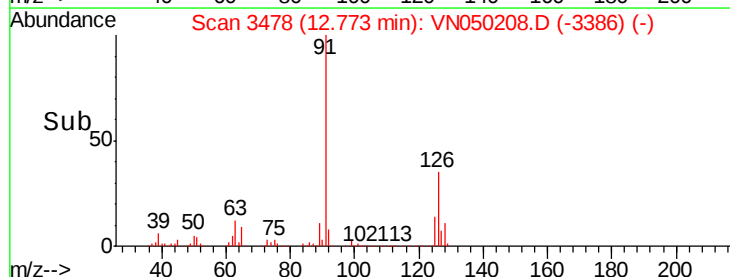
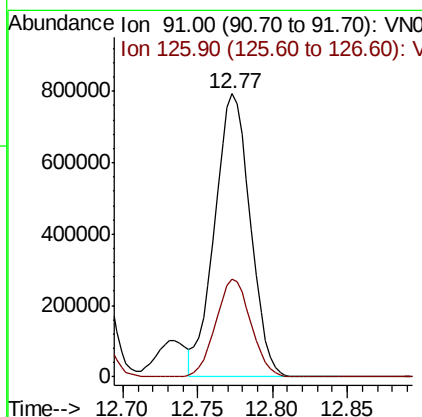
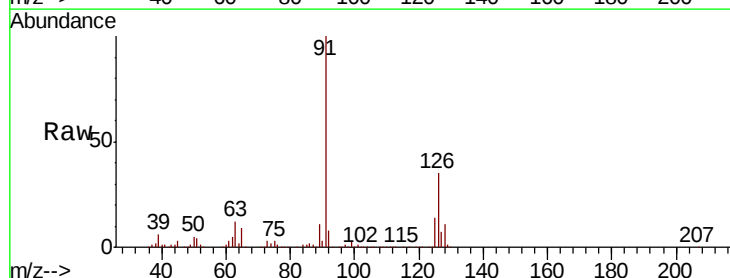
RT: 12.77 min Scan# 3478

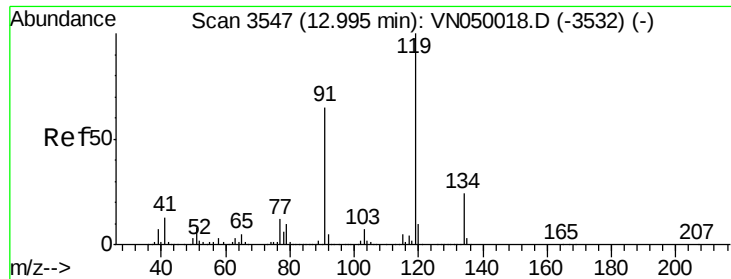
Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion:	91	Resp:	1311720
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





#83

tert-Butylbenzene

Concen: 52.871 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1310059

Ion Ratio Lower Upper

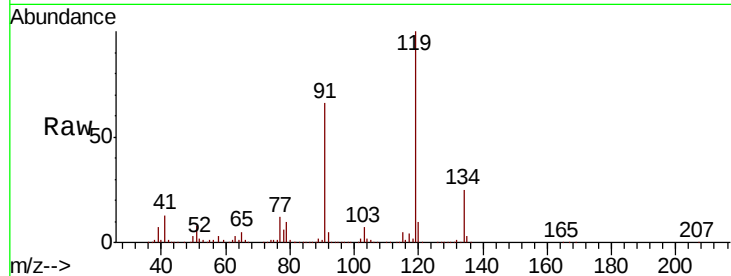
119 100

91 65.1 32.1 96.3

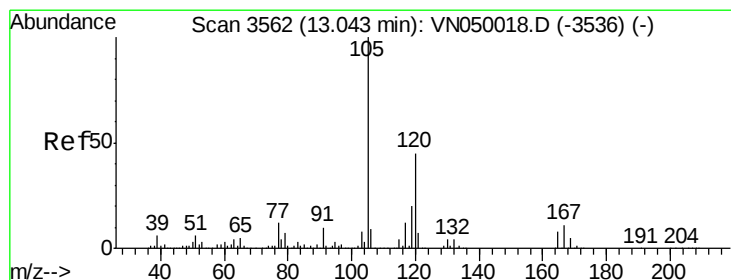
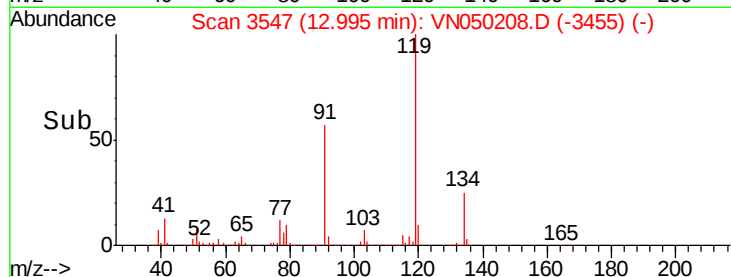
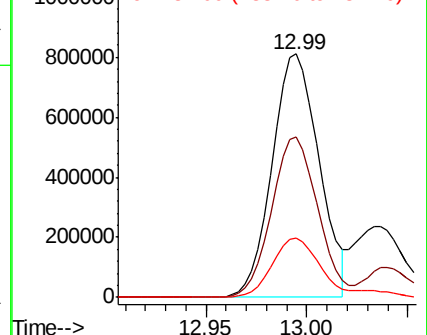
134 24.7 13.2 39.5

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



#84

1,2,4-Trimethylbenzene

Concen: 55.038 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050208.D

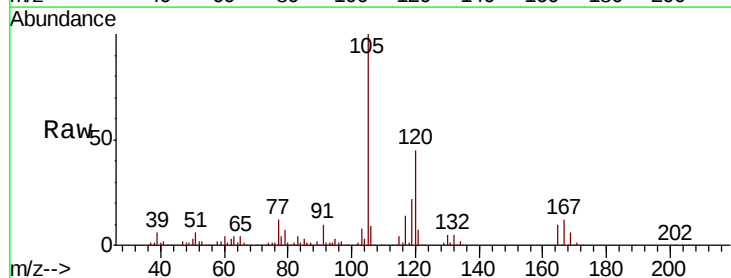
Acq: 31 Jul 2018 11:49

Tgt Ion:105 Resp: 1575127

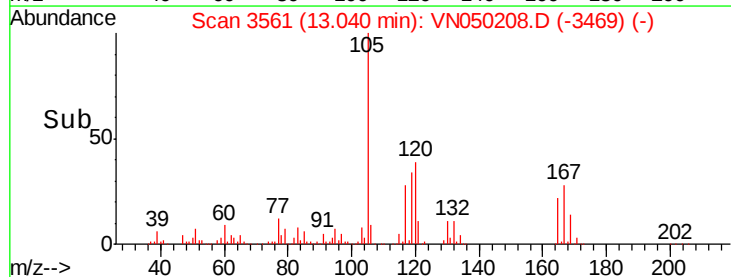
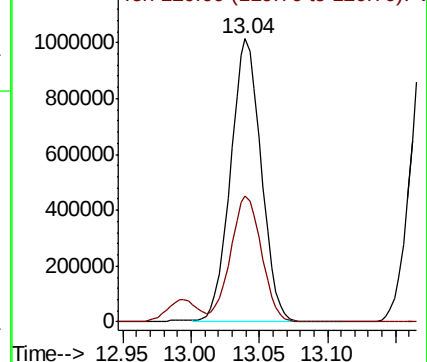
Ion Ratio Lower Upper

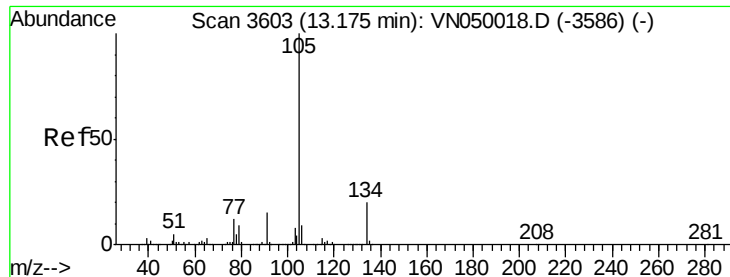
105 100

120 45.4 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 54.624 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1808474

Ion Ratio Lower Upper

105 100

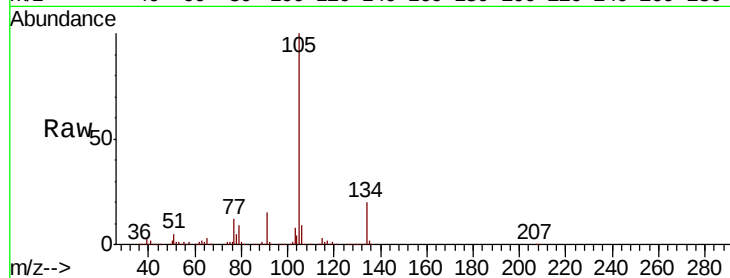
134 20.0 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

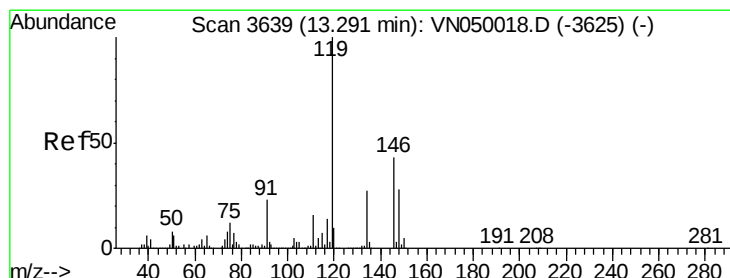
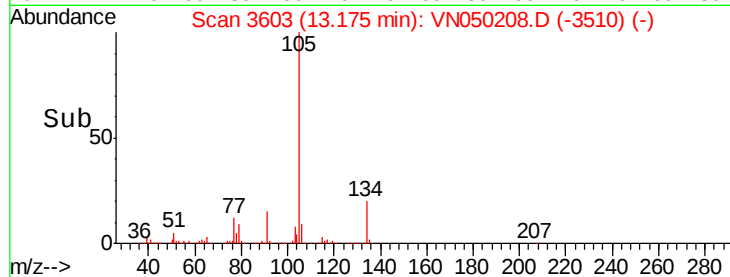
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.633 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

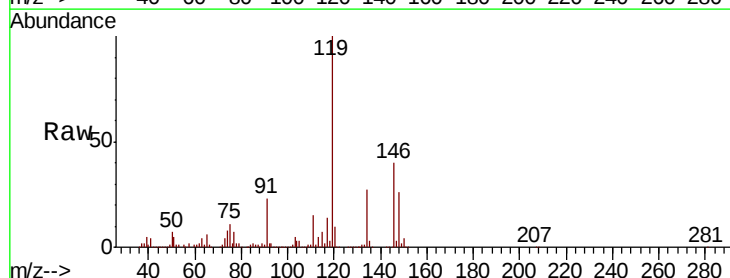
Tgt Ion:119 Resp: 1579912

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

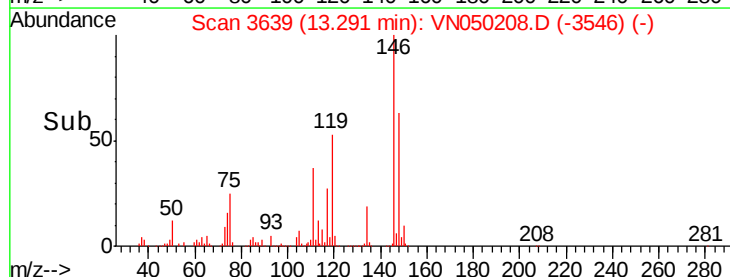
13.29

1000000

500000

0

Time-->





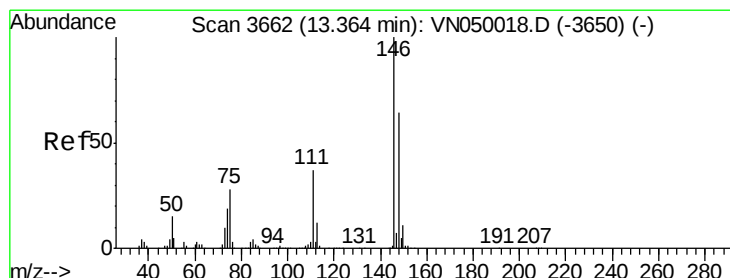
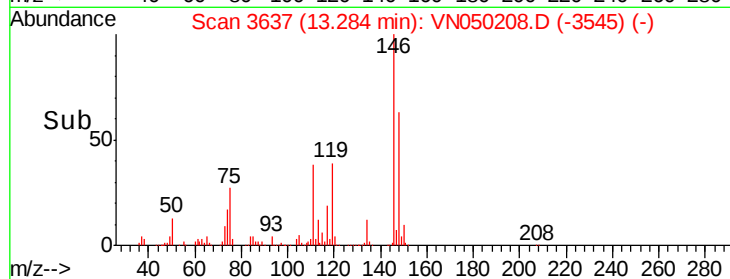
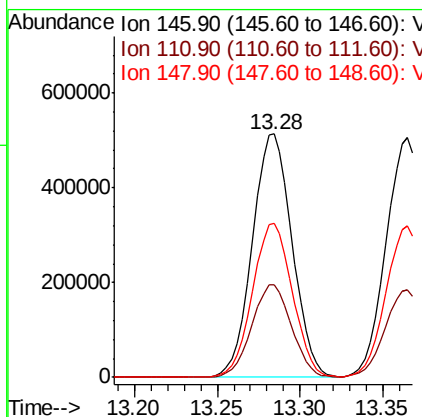
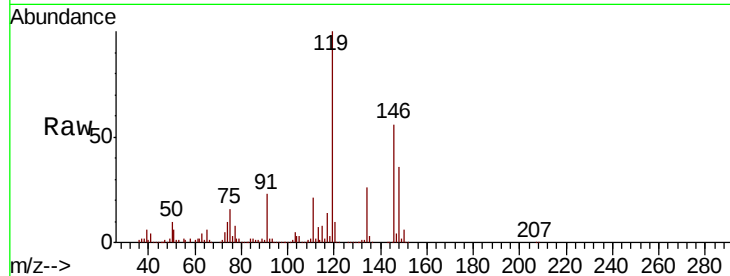
#87
 1,3-Dichlorobenzene
 Concen: 50.616 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.5	31.9	95.9

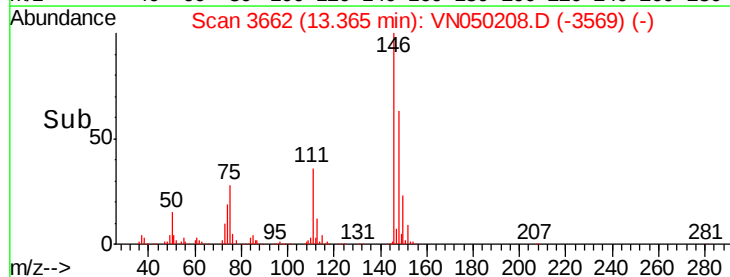
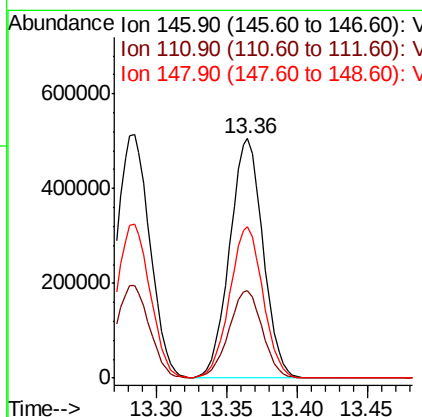
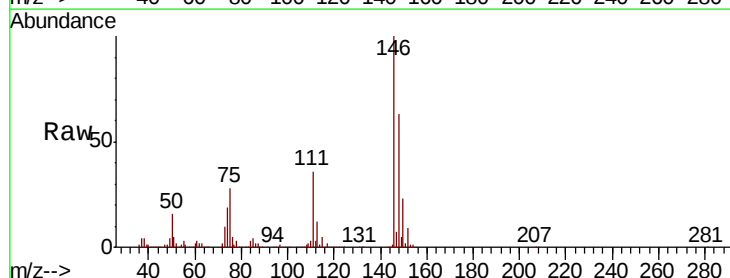
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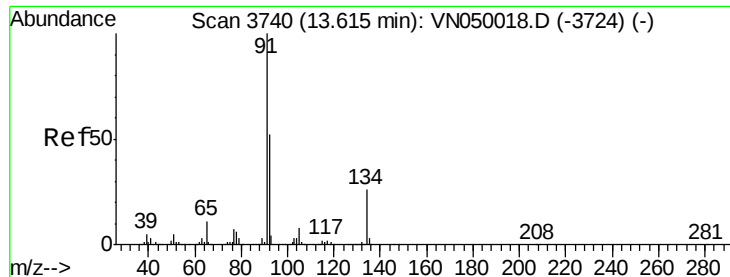
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#88
 1,4-Dichlorobenzene
 Concen: 50.481 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	63.2	31.9	95.9





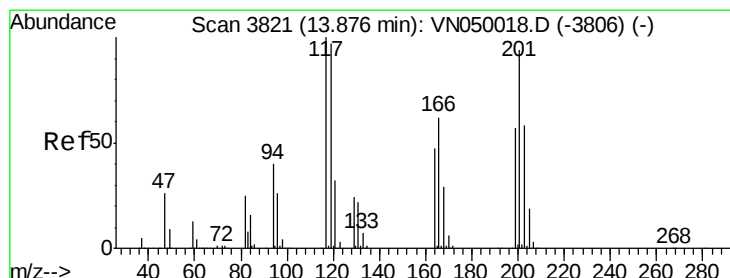
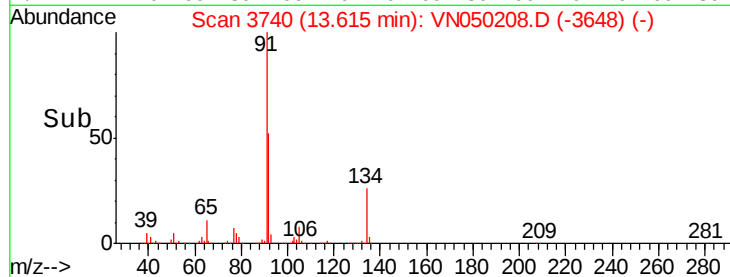
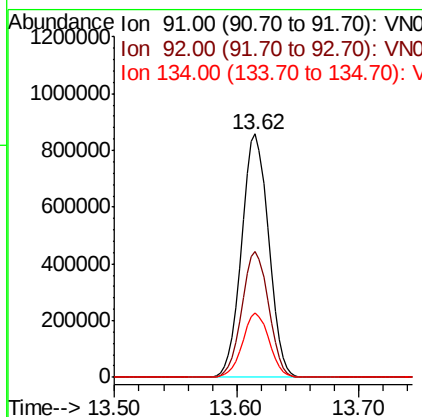
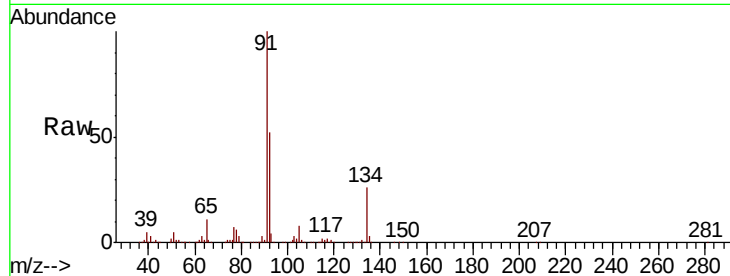
#89
n-Butylbenzene
Concen: 56.827 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.8	77.4
134	26.0	12.8	38.4

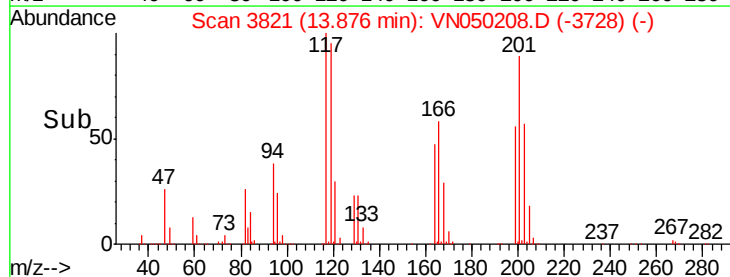
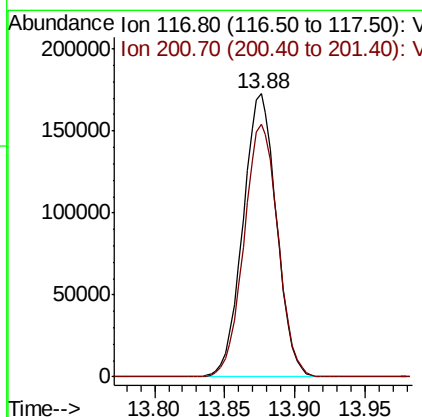
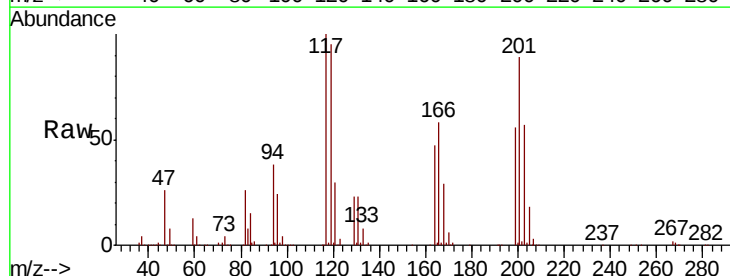
Manual Integrations
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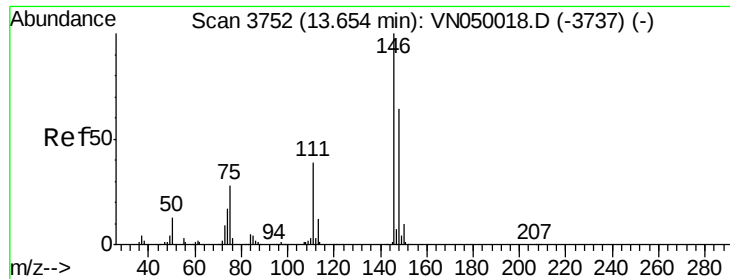
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#90
Hexachloroethane
Concen: 46.560 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 48.465 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

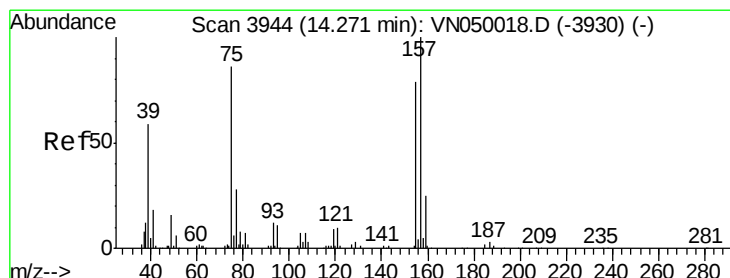
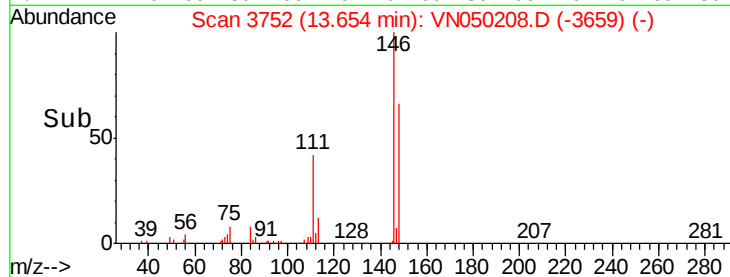
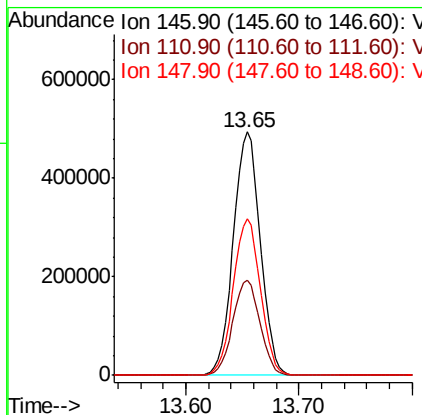
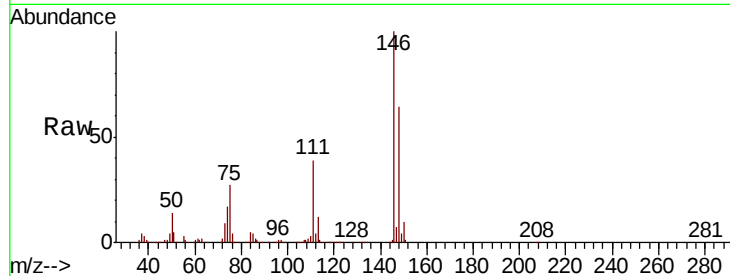
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	821657
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.7
148	64.6	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 42.889 ug/l

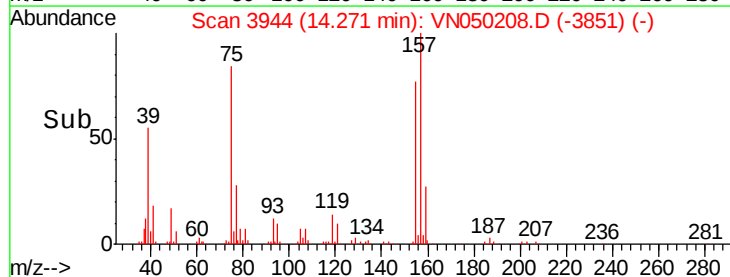
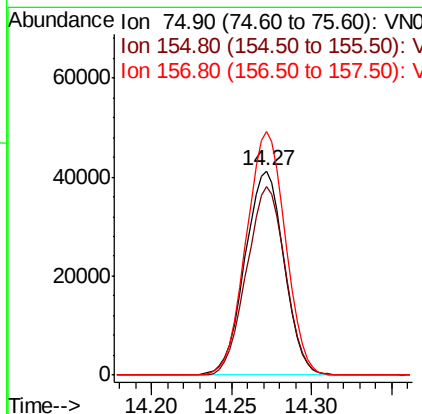
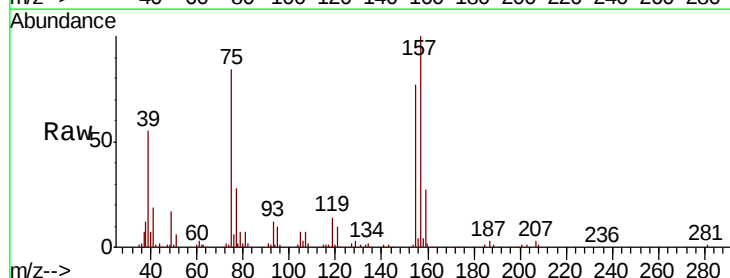
RT: 14.27 min Scan# 3944

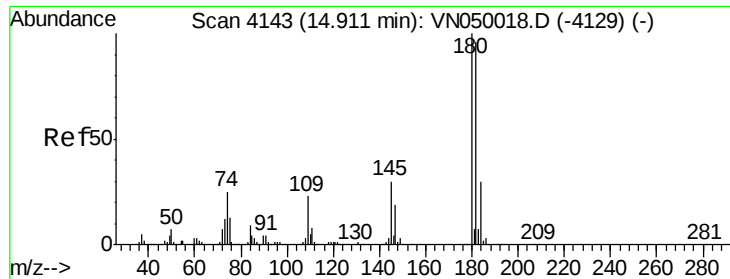
Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion:	75	Resp:	69165
Ion Ratio	Lower	Upper	
75	100		
155	91.4	44.8	134.4
157	119.1	57.2	171.6





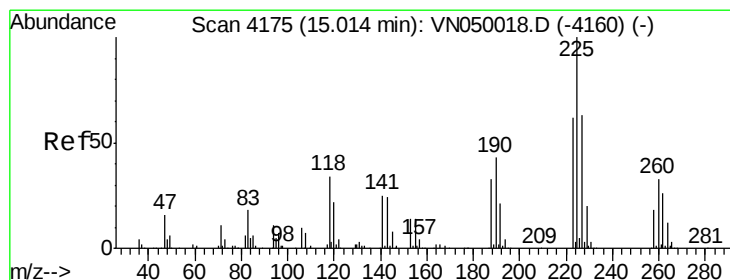
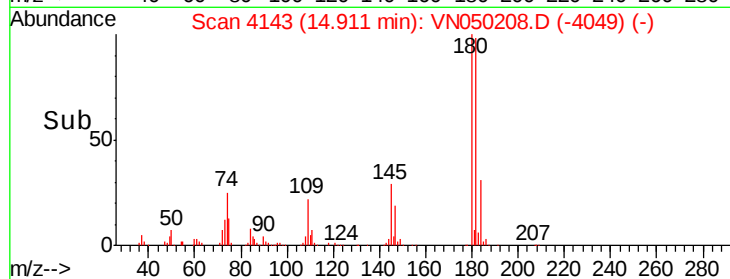
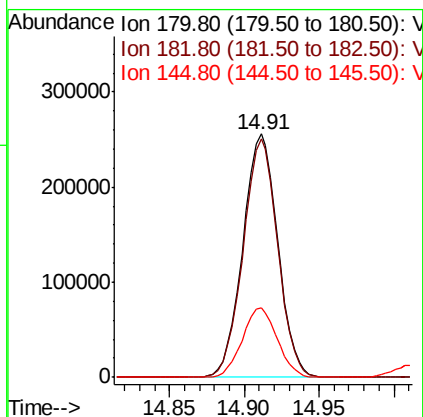
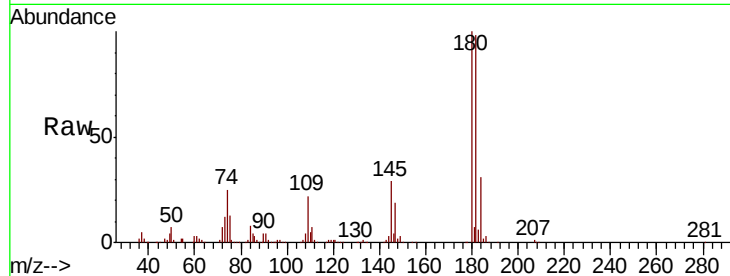
#93
 1,2,4-Trichlorobenzene
 Concen: 46.414 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	415192		
182	96.6	46.7	140.1	
145	28.6	13.8	41.4	

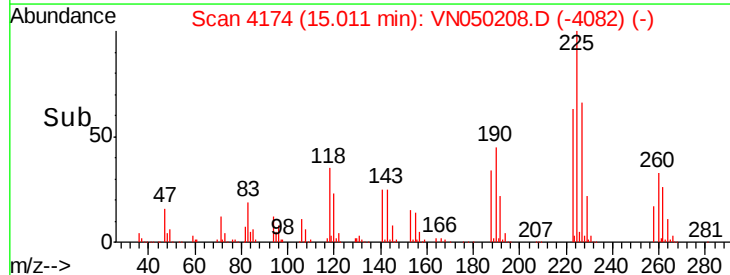
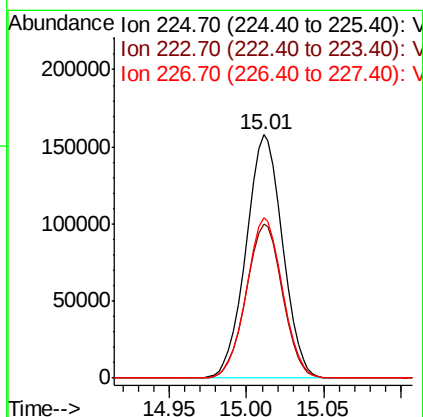
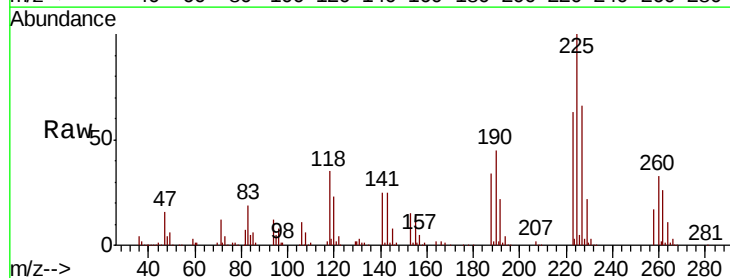
Manual Integrations
 APPROVED

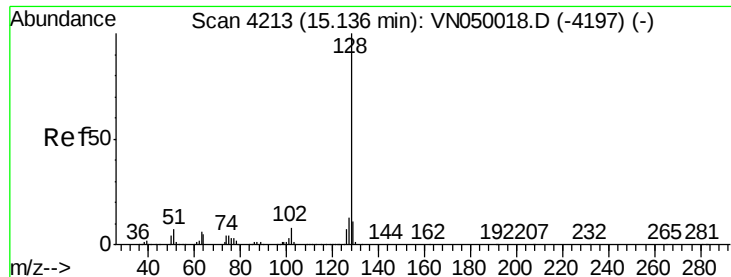
MMDadoda
 8/1/2018 11:14:03 AM



#94
 Hexachlorobutadiene
 Concen: 50.054 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	259782		
223	63.4	31.4	94.2	
227	65.4	32.1	96.5	





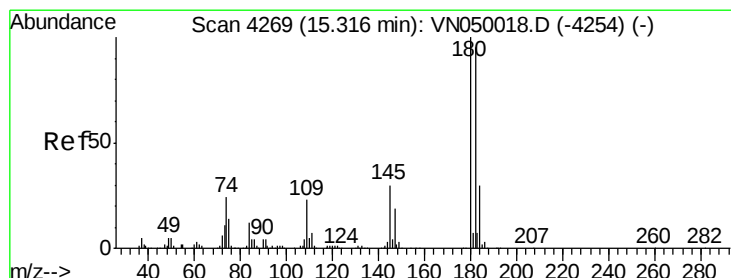
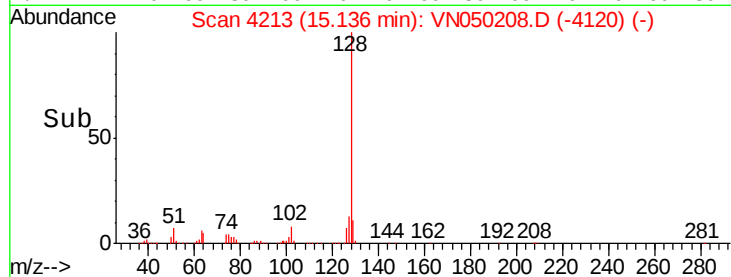
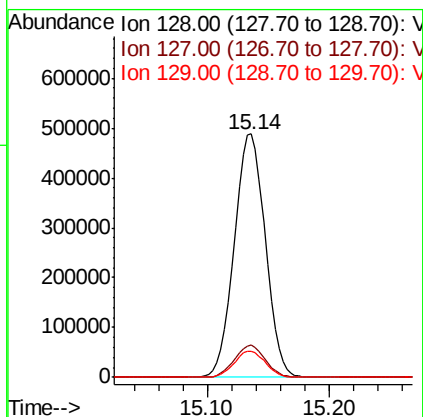
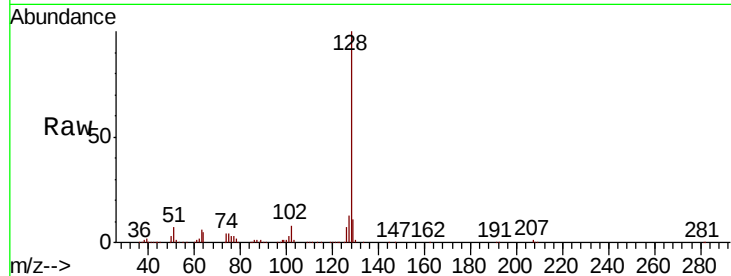
#95
Naphthalene
Concen: 41.242 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:14:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.798 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	30.0	15.3	45.9

