

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052351.D
 Acq On : 16 Nov 2018 8:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:45:36 PM

Quant Time: Nov 16 22:57:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	273930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	411266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	186712	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.59	113	147213	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	574381	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	194754	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148409	51.127	ug/l	98
3) Chloromethane	2.06	50	196368	48.679	ug/l	100
4) Vinyl Chloride	2.19	62	172417	49.446	ug/l	99
5) Bromomethane	2.57	94	100574	46.266	ug/l	99
6) Chloroethane	2.71	64	96043	48.715	ug/l	99
7) Trichlorofluoromethane	3.02	101	242244	50.204	ug/l	99
8) Diethyl Ether	3.41	74	81999	44.588	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149955	49.211	ug/l	99
10) Methyl Iodide	3.96	142	192654	47.087	ug/l	98
11) Tert butyl alcohol	4.77	59	36383	178.068	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	132130	46.857	ug/l	96
13) Acrolein	3.61	56	57210	191.244	ug/l	99
14) Allyl chloride	4.33	41	287345	49.627	ug/l	98
15) Acrylonitrile	4.98	53	251989	215.985	ug/l	99
16) Acetone	3.81	43	261760	245.728	ug/l	94
17) Carbon Disulfide	4.06	76	404479	50.022	ug/l	99
18) Methyl Acetate	4.32	43	128669	43.164	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	379958	46.888	ug/l	99
20) Methylene Chloride	4.55	84	155674	48.008	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	143285	47.195	ug/l	97
22) Diisopropyl ether	5.95	45	581101	49.187	ug/l	99
23) Vinyl Acetate	5.89	43	1965569	245.262	ug/l	100
24) 1,1-Dichloroethane	5.85	63	307622	48.560	ug/l	100
25) 2-Butanone	6.83	43	338102	225.491	ug/l	98
26) 2,2-Dichloropropane	6.82	77	242900	52.145	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	166861	47.212	ug/l	96
28) Bromochloromethane	7.19	49	155644	47.784	ug/l	99
29) Tetrahydrofuran	7.21	42	205249	208.375	ug/l	99
30) Chloroform	7.37	83	309145	51.207	ug/l	96
31) Cyclohexane	7.65	56	293096	49.829	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	254803	49.545	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232221	51.506	ug/l	99
37) Ethyl Acetate	6.92	43	146958	44.912	ug/l #	98
38) Carbon Tetrachloride	7.77	117	225422	54.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276503	53.721	ug/l	98
40) Benzene	8.04	78	649736	50.444	ug/l	98
41) Methacrylonitrile	7.17	41	87466	48.267	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	232864	50.699	ug/l	100
43) Isopropyl Acetate	8.16	43	271955	43.071	ug/l	98
44) Trichloroethene	8.83	130	160760	50.669	ug/l	97
45) 1,2-Dichloropropane	9.12	63	181186	49.567	ug/l	98
46) Dibromomethane	9.21	93	102395	48.389	ug/l	98
47) Bromodichloromethane	9.40	83	232559	53.555	ug/l	99
48) Methyl methacrylate	9.20	41	141508	44.167	ug/l	99
49) 1,4-Dioxane	9.19	88	21125	858.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	729949	229.663	ug/l	99
52) Toluene	10.15	92	398920	51.773	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	233163	53.239	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	266130	53.305	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134743	48.239	ug/l	97
56) Ethyl methacrylate	10.43	69	178932	48.709	ug/l	97
57) 1,3-Dichloropropane	10.71	76	243893	49.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	515595	246.532	ug/l	98
59) 2-Hexanone	10.75	43	526766	240.954	ug/l	99
60) Dibromochloromethane	10.90	129	157564	52.137	ug/l	100
61) 1,2-Dibromoethane	11.00	107	135437	48.677	ug/l	100
64) Tetrachloroethene	10.63	164	149185	51.024	ug/l	97
65) Chlorobenzene	11.43	112	432799	49.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154591	52.149	ug/l	98
67) Ethyl Benzene	11.51	91	793304	52.579	ug/l	98
68) m/p-Xylenes	11.62	106	584234	105.978	ug/l	99
69) o-Xylene	11.94	106	280376	53.057	ug/l	99
70) Styrene	11.96	104	460565	54.431	ug/l	100
71) Bromoform	12.12	173	90925	51.949	ug/l #	98
73) Isopropylbenzene	12.25	105	779308	50.585	ug/l	98
74) N-amyl acetate	12.07	43	255267	46.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158639	42.597	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141512m	43.524	ug/l	
77) Bromobenzene	12.52	156	173559	48.418	ug/l	99
78) n-propylbenzene	12.59	91	934266	51.853	ug/l	100
79) 2-Chlorotoluene	12.67	91	526062	49.979	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	636948	51.990	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47317	47.201	ug/l	94
82) 4-Chlorotoluene	12.77	91	539559	50.035	ug/l	98
83) tert-Butylbenzene	12.99	119	547670	50.634	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	645243	52.463	ug/l	99
85) sec-Butylbenzene	13.17	105	769641	52.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	657986	52.720	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	319745	50.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	317194	50.115	ug/l	99
89) n-Butylbenzene	13.61	91	597759	55.764	ug/l	99
90) Hexachloroethane	13.87	117	118883	53.779	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	299165	48.504	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24712	44.999	ug/l	94

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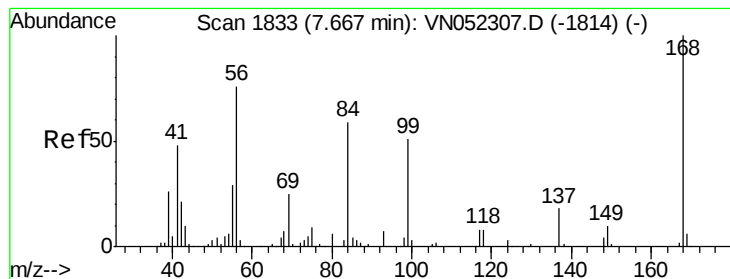
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135941	47.487	ug/l	99
94) Hexachlorobutadiene	15.01	225	73467	52.041	ug/l	99
95) Naphthalene	15.13	128	283854	42.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	120191	51.283	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273930

Ion Ratio Lower Upper

168 100

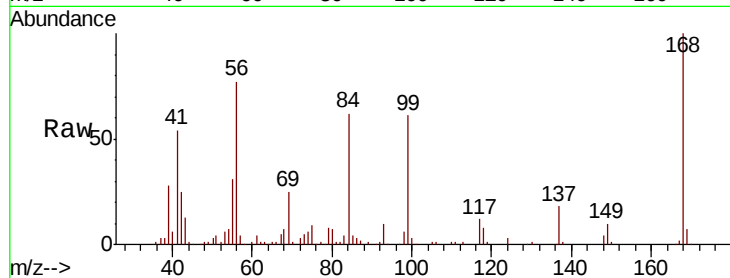
99 61.1 47.9 71.9

Manual Integrations

APPROVED

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11/19/2018 12:45:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

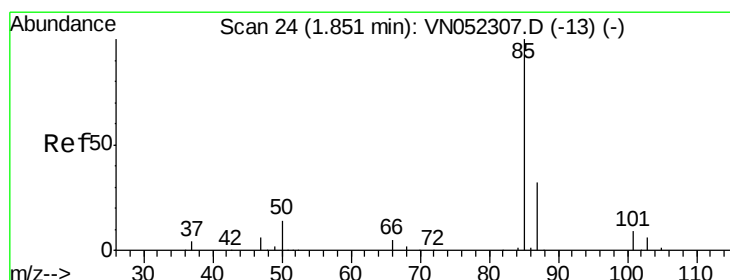
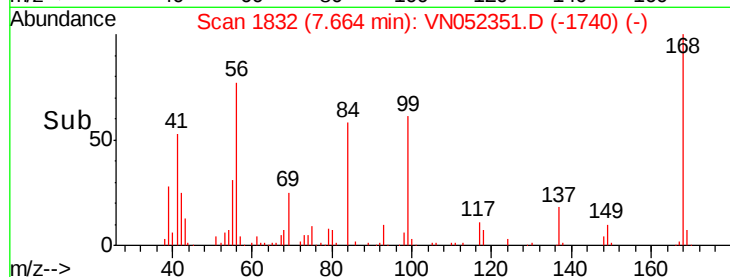
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.127 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052351.D

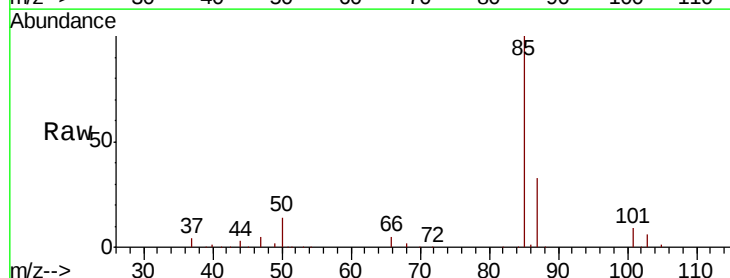
Acq: 16 Nov 2018 8:16

Tgt Ion: 85 Resp: 148409

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

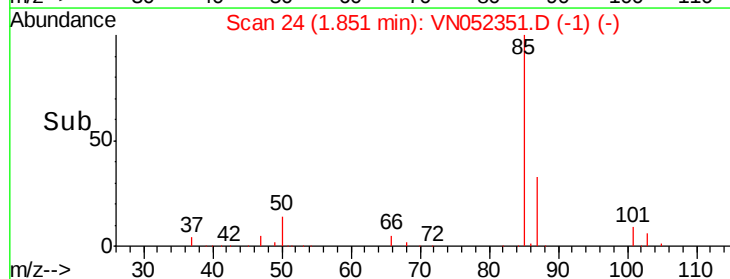
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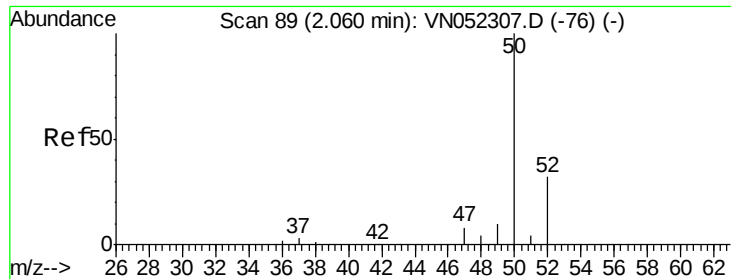
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20000

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Time-->





#3

Chloromethane

Concen: 48.679 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 196368

Ion Ratio Lower Upper

50 100

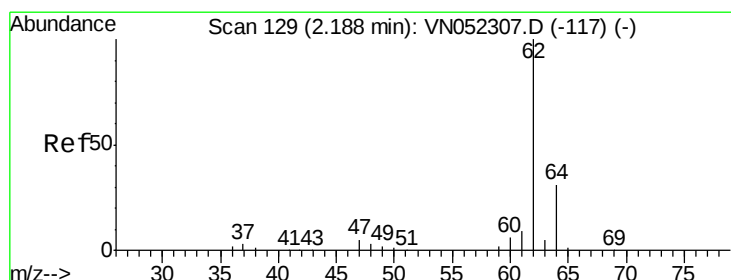
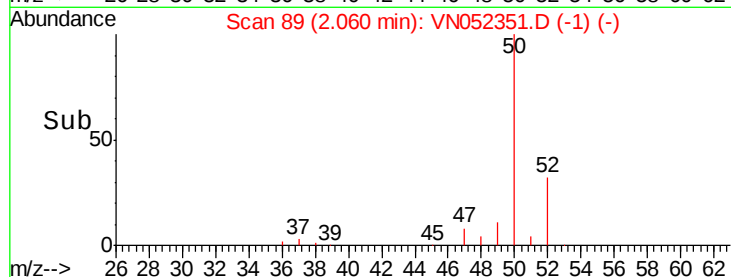
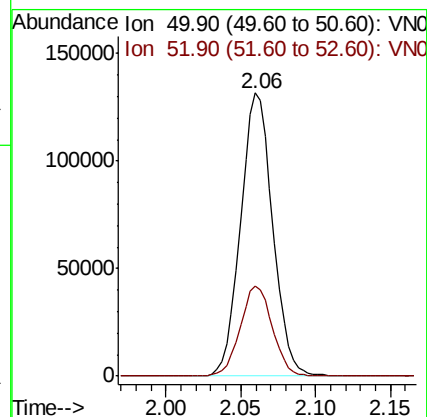
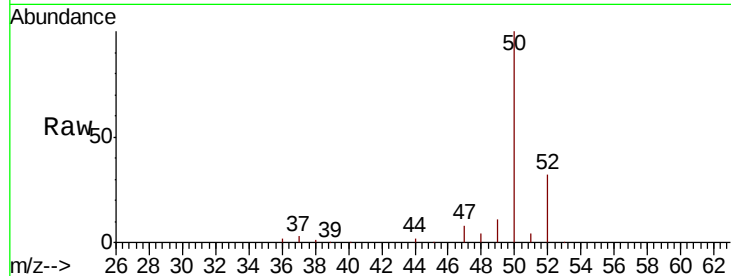
52 32.0 25.5 38.3

Manual Integrations

APPROVED

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11/19/2018 12:45:36 PM



#4

Vinyl Chloride

Concen: 49.446 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052351.D

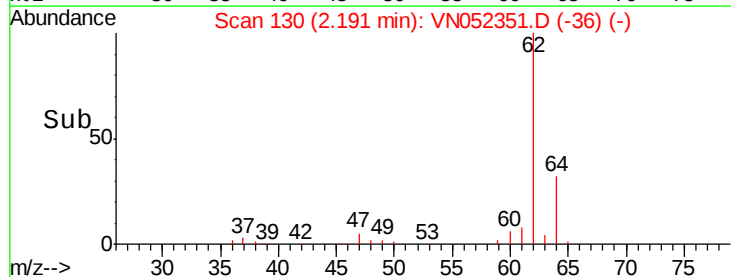
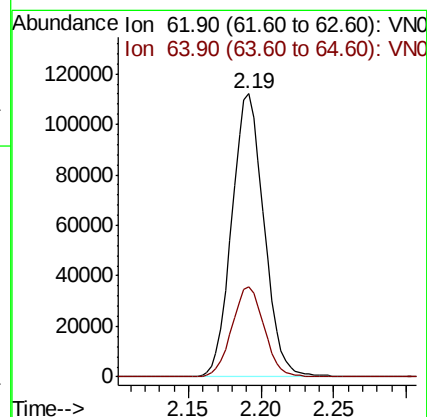
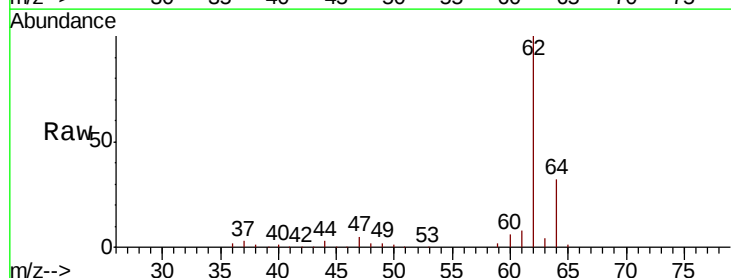
Acq: 16 Nov 2018 8:16

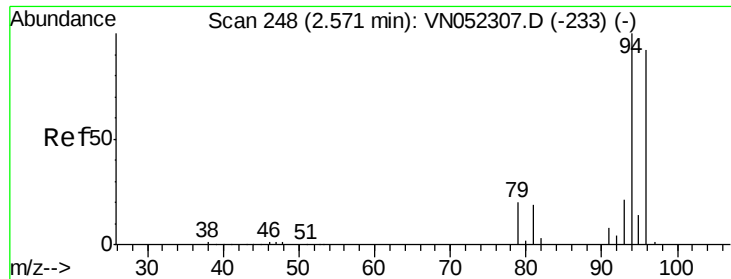
Tgt Ion: 62 Resp: 172417

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 46.266 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 100574

Ion Ratio Lower Upper

94 100

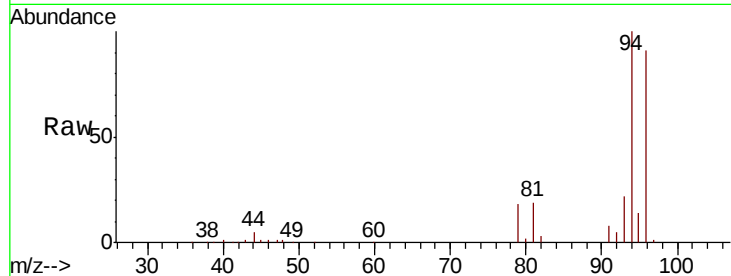
96 91.3 73.6 110.4

Manual Integrations

APPROVED

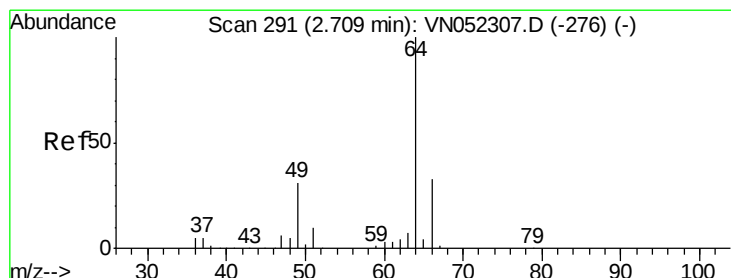
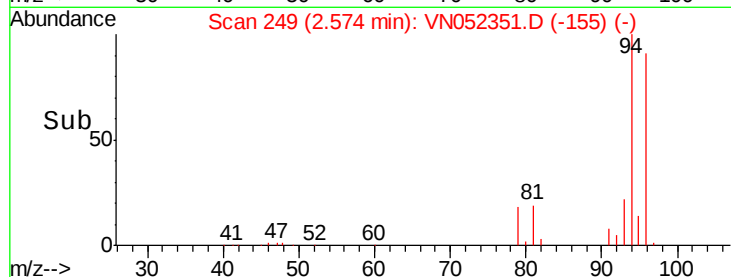
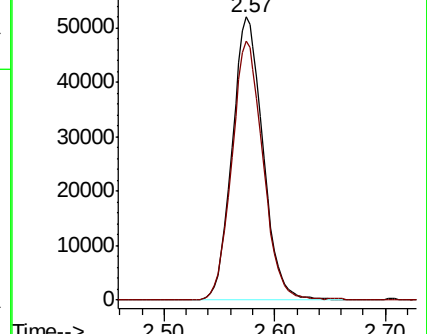
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 48.715 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052351.D

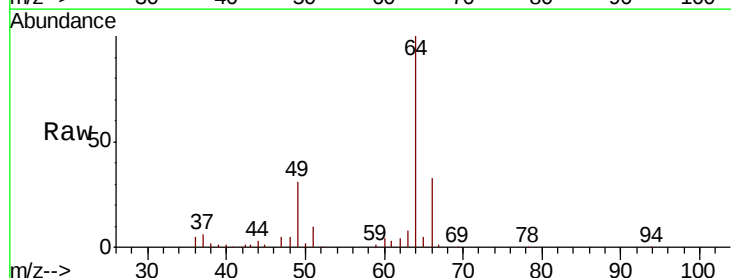
Acq: 16 Nov 2018 8:16

Tgt Ion: 64 Resp: 96043

Ion Ratio Lower Upper

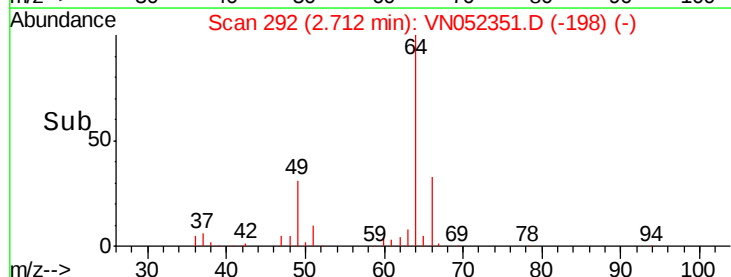
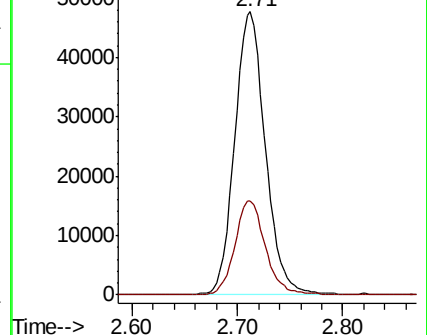
64 100

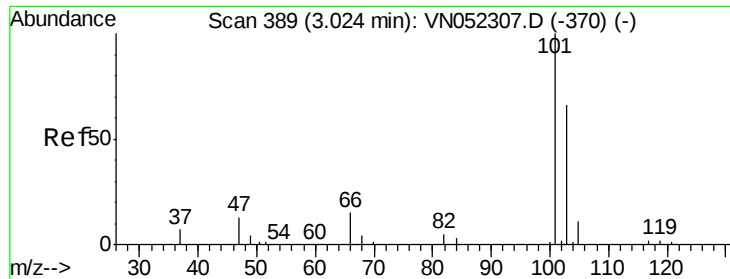
66 33.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

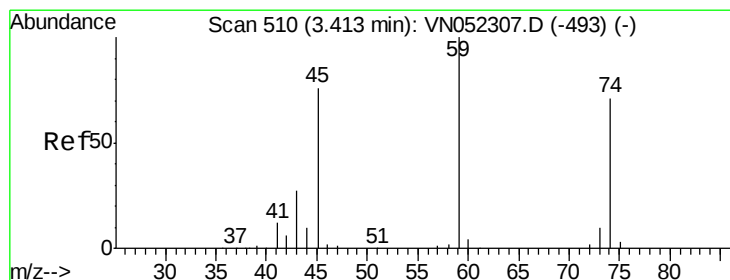
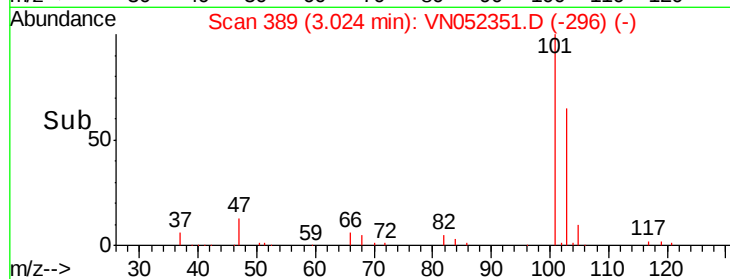
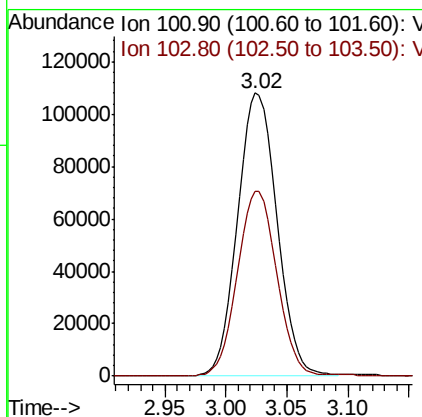
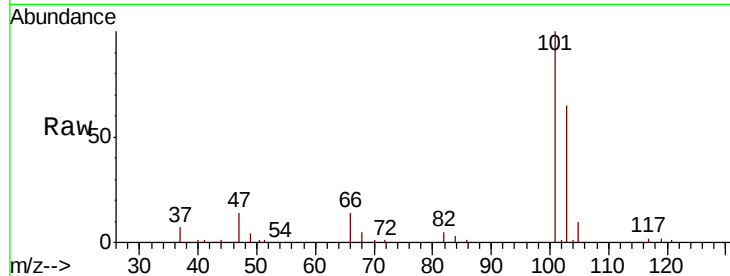
Trichlorofluoromethane
 Concen: 50.204 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.8	79.2

Manual Integrations
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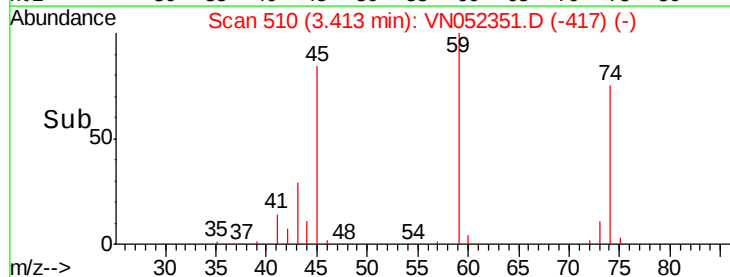
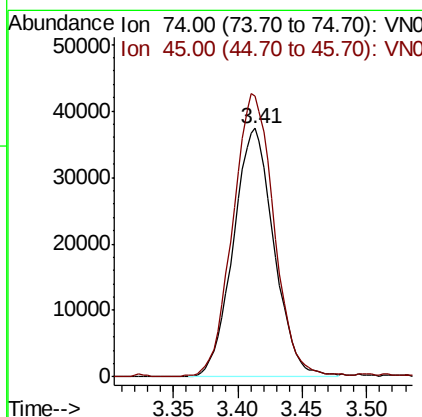
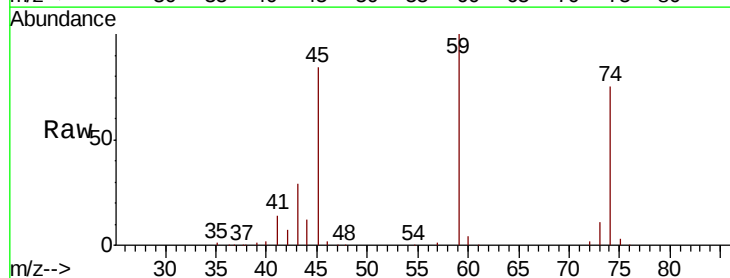
MMDadoda
 11/19/2018 12:45:36 PM

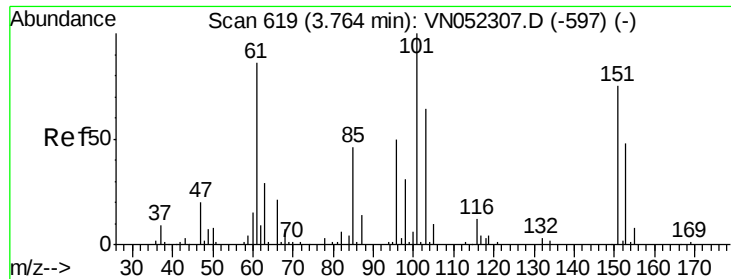


#8

Diethyl Ether
 Concen: 44.588 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.0	54.3	162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.211 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

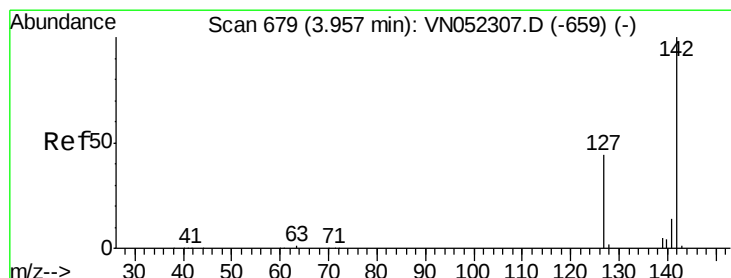
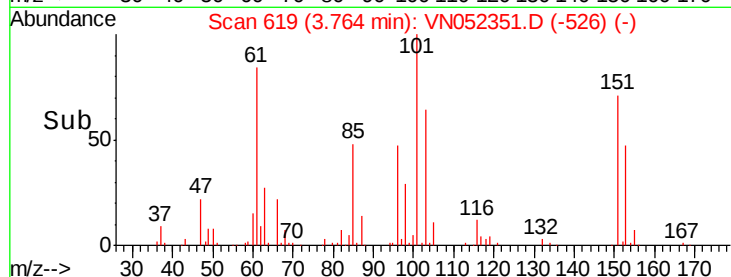
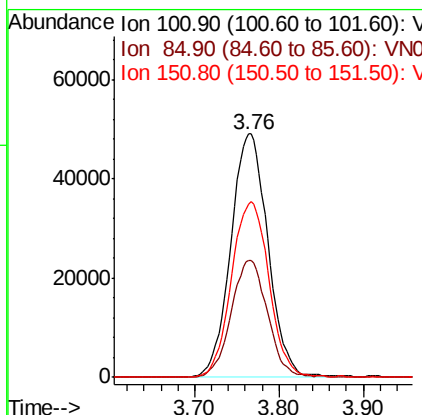
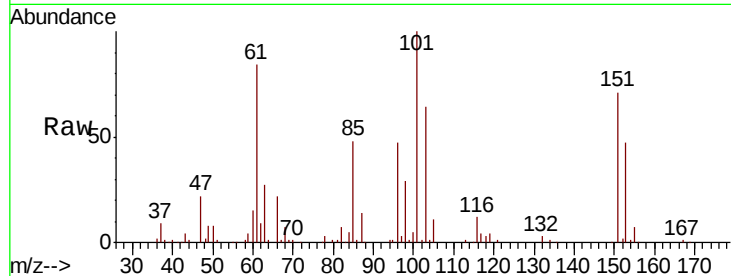
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	149955
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.4	56.0
151	72.9	58.6	88.0

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#10

Methyl Iodide

Concen: 47.087 ug/l

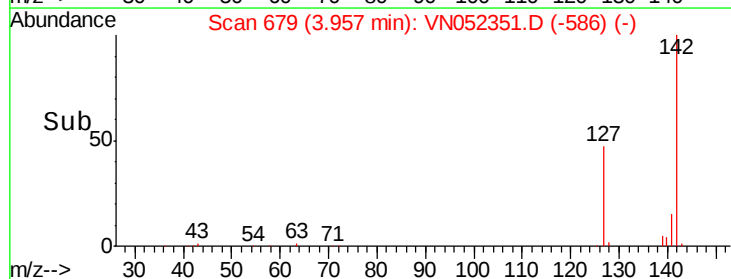
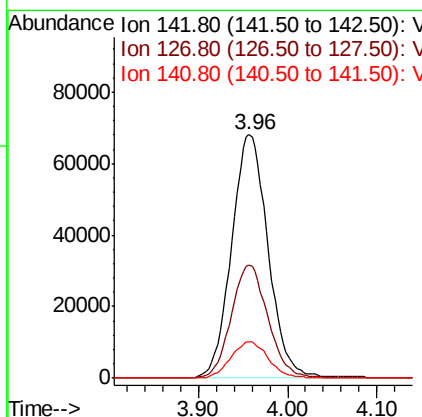
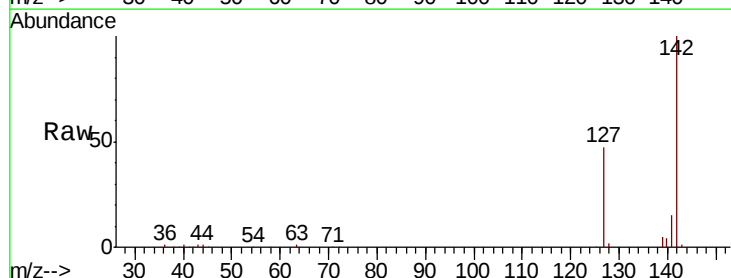
RT: 3.96 min Scan# 679

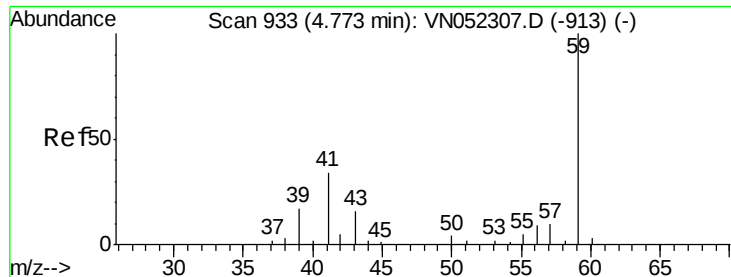
Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion:	142	Resp:	192654
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.3	54.5
141	15.3	11.4	17.2





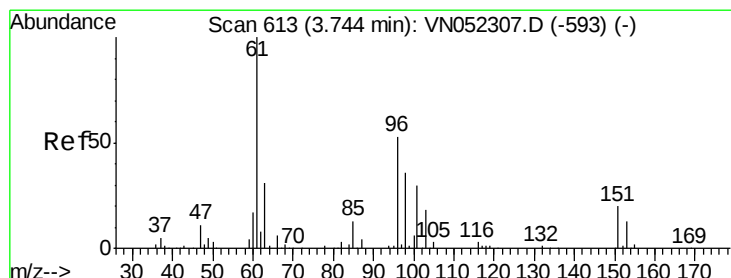
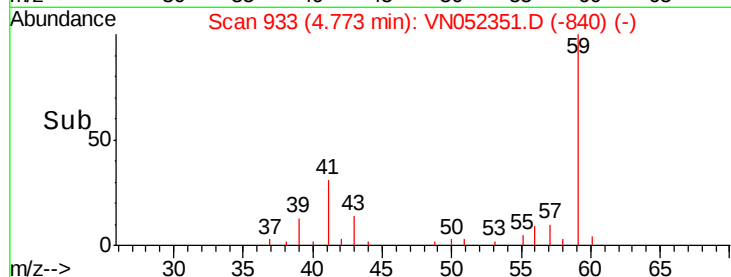
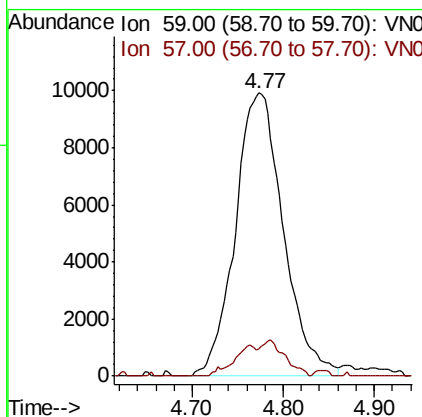
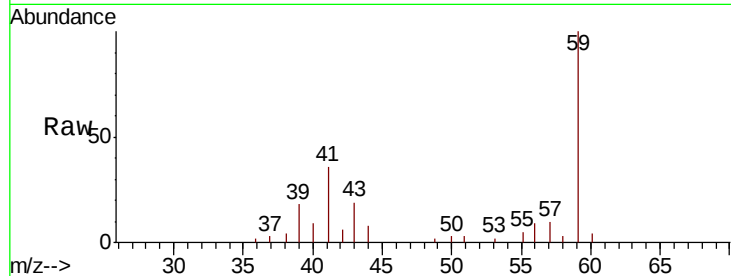
#11
Tert butyl alcohol
Concen: 178.068 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.5	12.7#

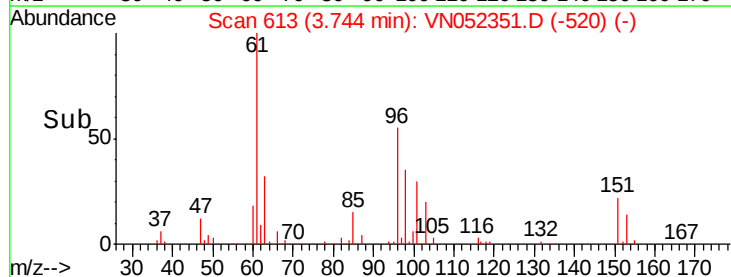
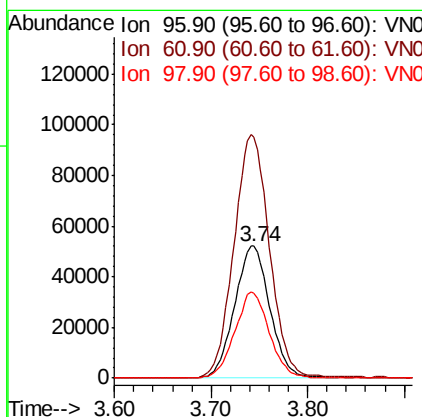
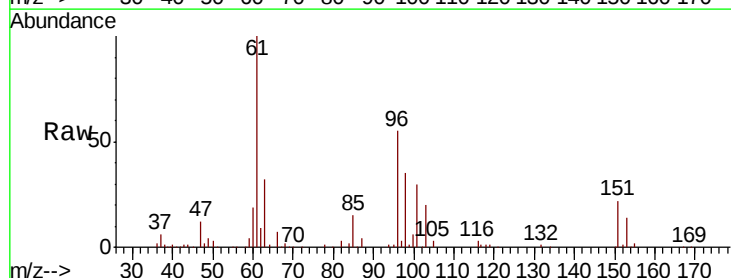
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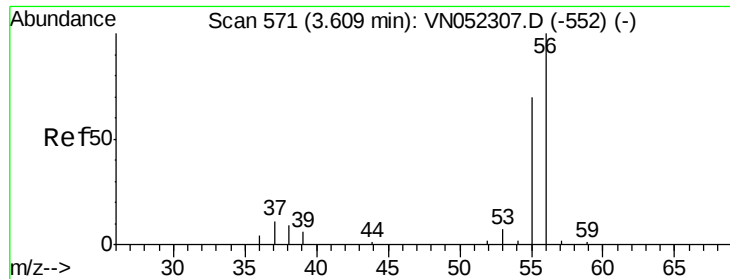
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#12
1,1-Dichloroethene
Concen: 46.857 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.2	149.6	224.4
98	63.8	54.2	81.2





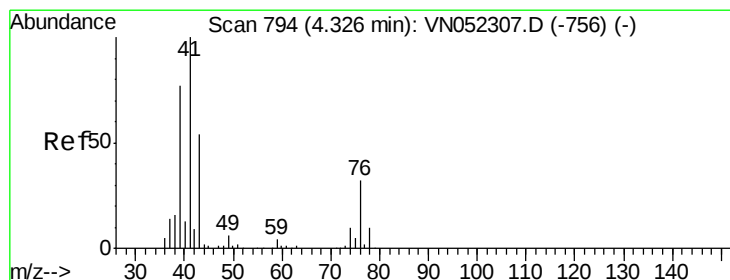
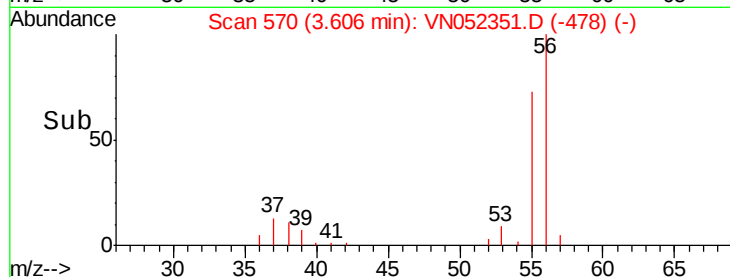
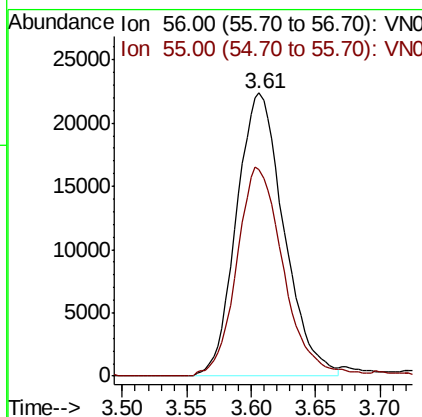
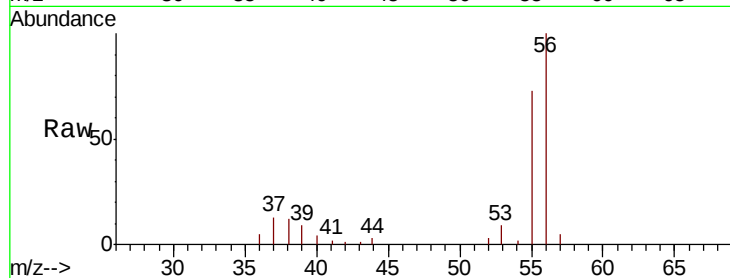
#13
Acrolein
Concen: 191.244 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	57210
Ion Ratio	100	Lower	Upper
56	100		
55	72.8	57.6	86.4

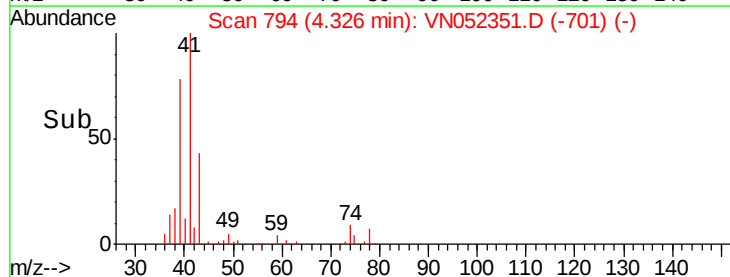
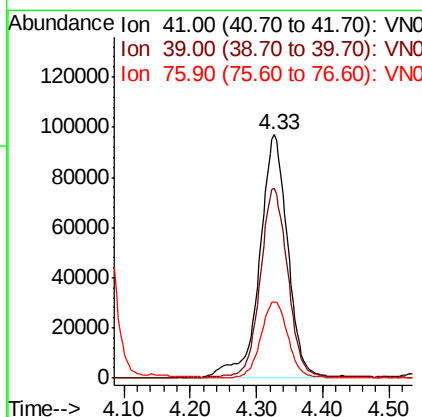
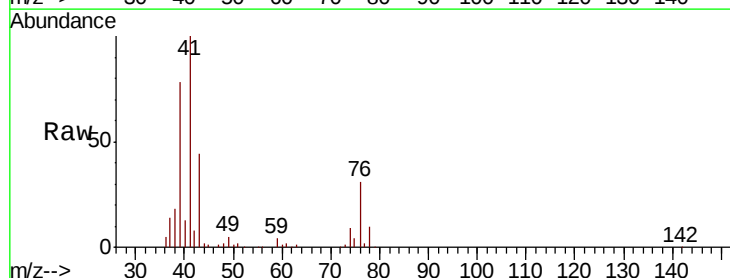
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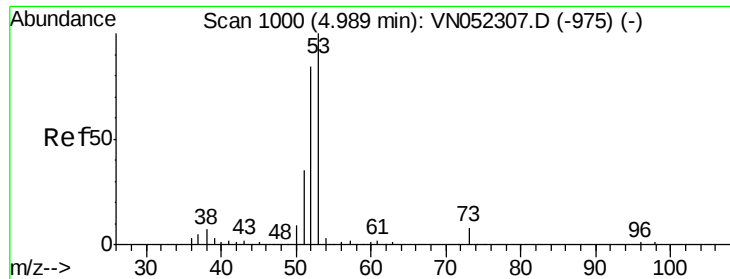
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#14
Allyl chloride
Concen: 49.627 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	41	Resp	287345
Ion Ratio	100	Lower	Upper
41	100		
39	75.7	59.1	88.7
76	29.6	24.1	36.1





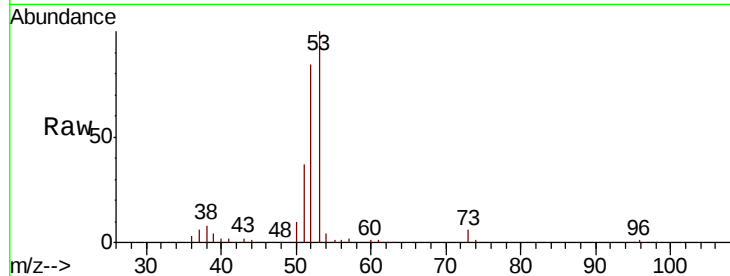
#15
 Acrylonitrile
 Concen: 215.985 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

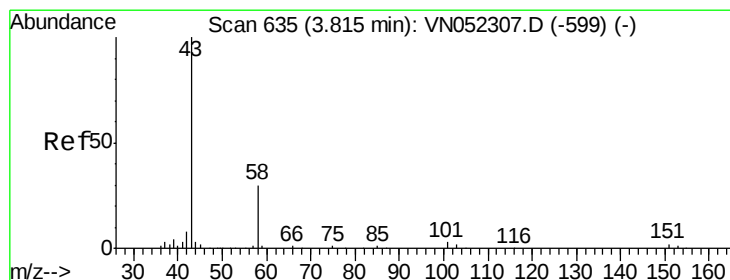
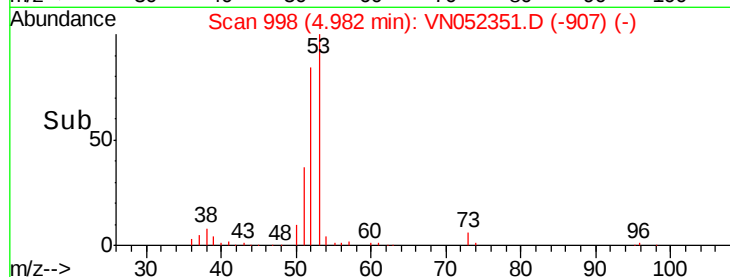
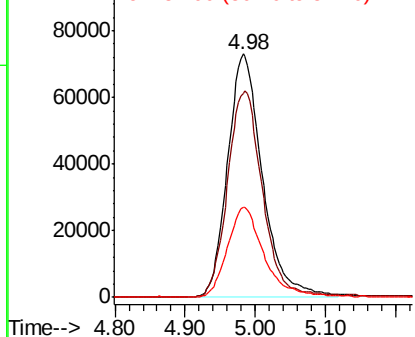
Tot Ion:	53	Resp:	251989
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.5	101.3
51	38.7	29.9	44.9

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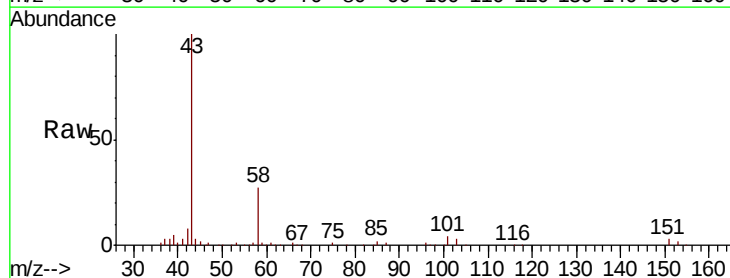


Abundance Ion 53.00 (52.70 to 53.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0
 Ion 51.00 (50.70 to 51.70): VN0

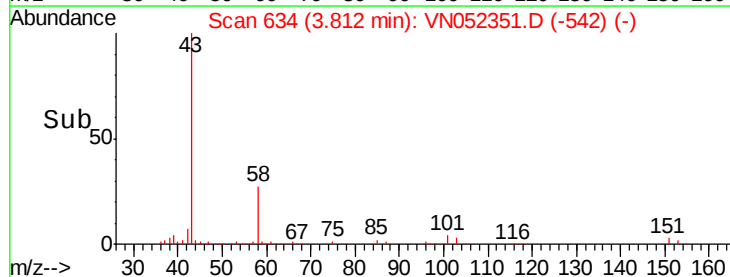
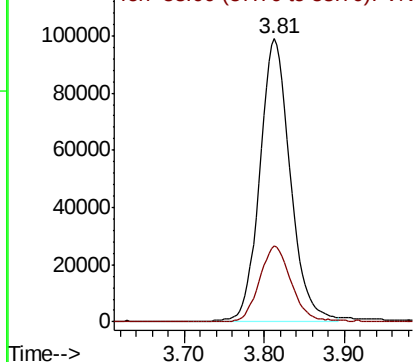


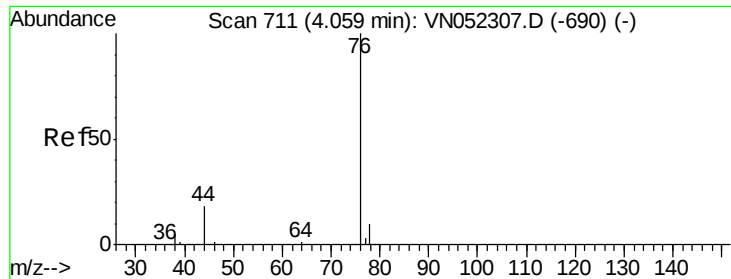
#16
 Acetone
 Concen: 245.728 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion:	43	Resp:	261760
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.2	36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 50.022 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 404479

Ion Ratio Lower Upper

76 100

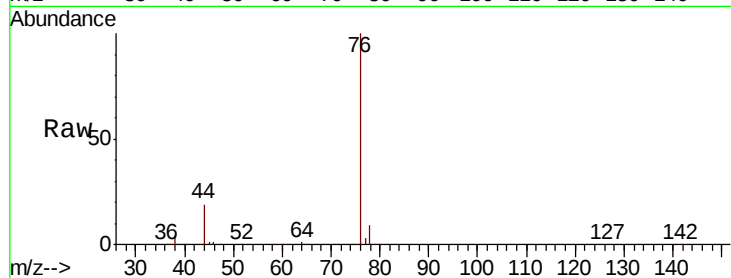
78 9.4 7.7 11.5

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

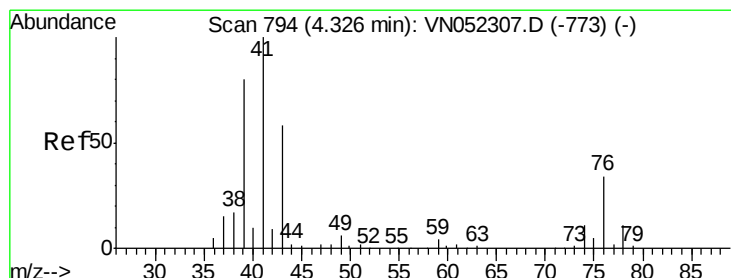
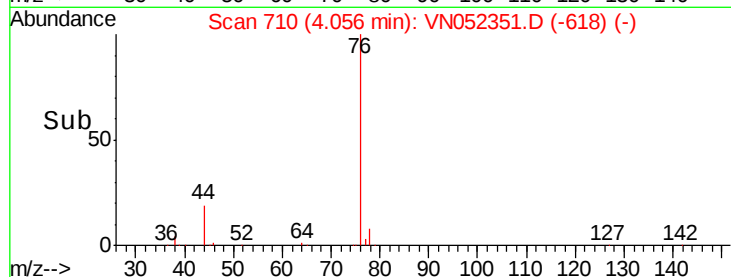
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.164 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052351.D

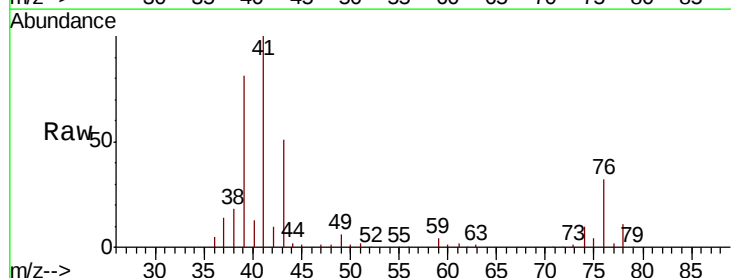
Acq: 16 Nov 2018 8:16

Tgt Ion: 43 Resp: 128669

Ion Ratio Lower Upper

43 100

74 20.1 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

50000

40000

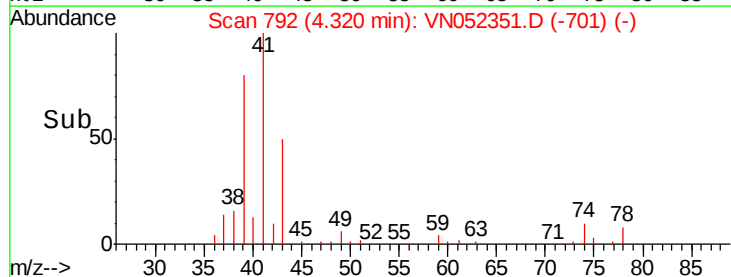
30000

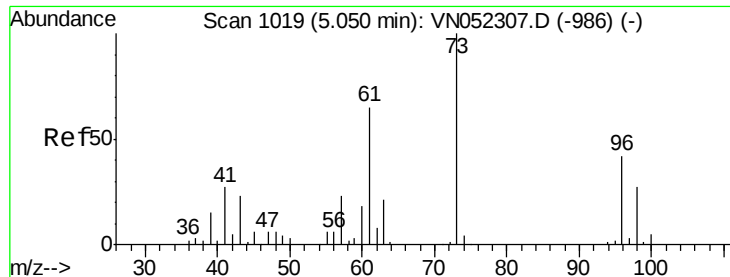
20000

10000

0

Time-->





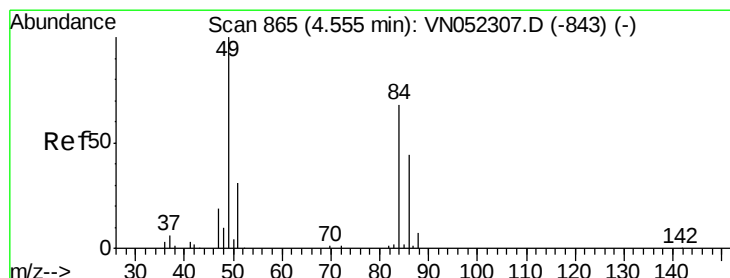
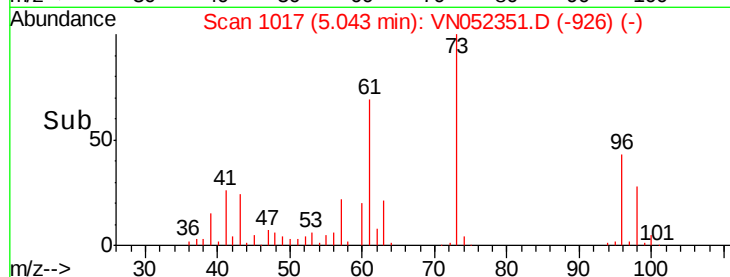
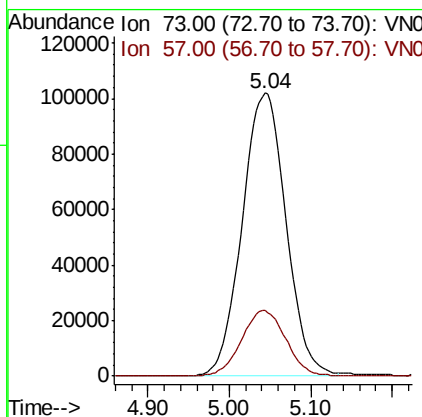
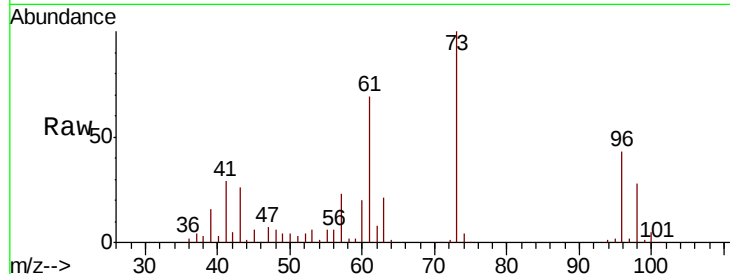
#19
Methvl tert-butvl Ether
Concen: 46.888 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 379958
Ion Ratio Lower Upper
73 100
57 23.1 18.7 28.1

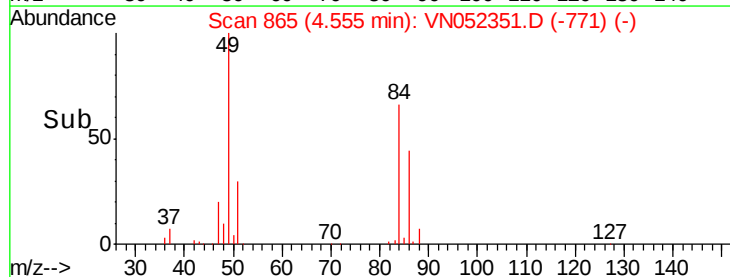
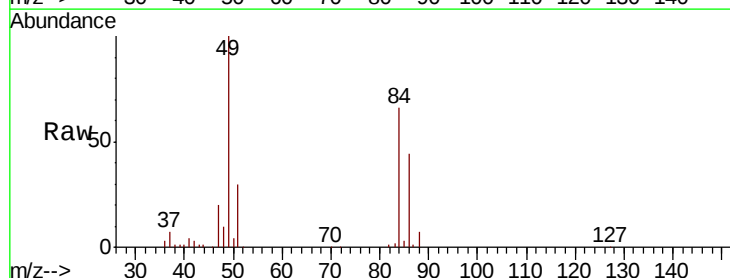
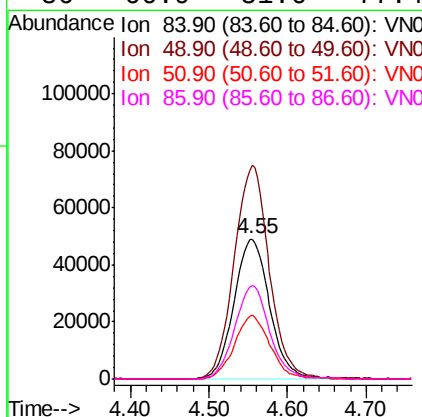
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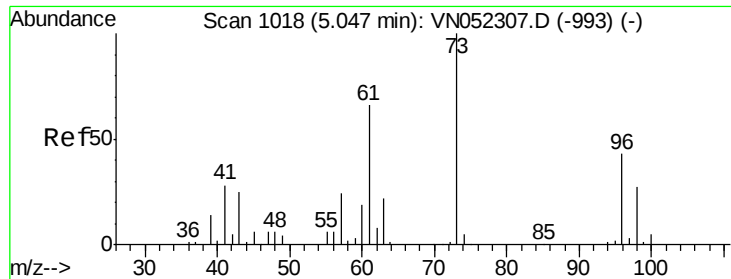
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#20
Methylene Chloride
Concen: 48.008 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 84 Resp: 155674
Ion Ratio Lower Upper
84 100
49 152.5 118.2 177.2
51 45.5 36.1 54.1
86 66.9 51.6 77.4





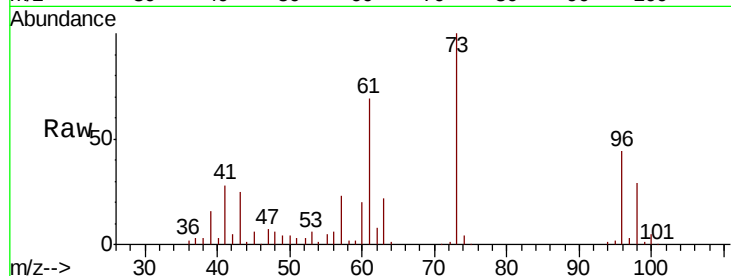
#21
trans-1,2-Dichloroethene
Concen: 47.195 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

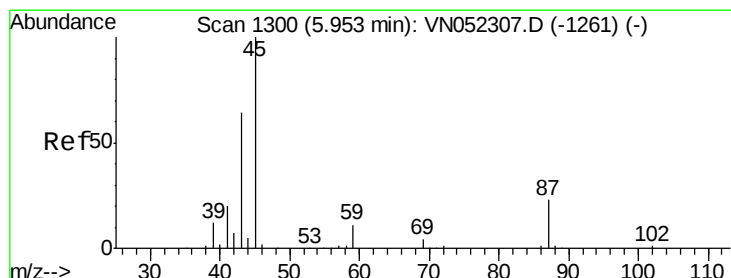
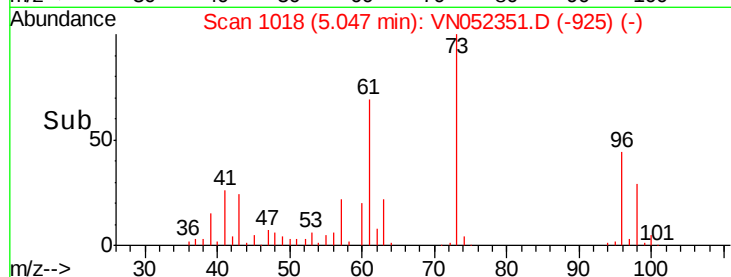
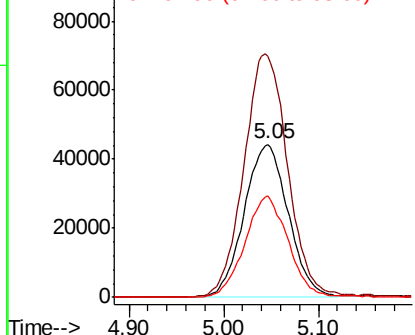
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	123.6	185.4
98	65.9	50.7	76.1

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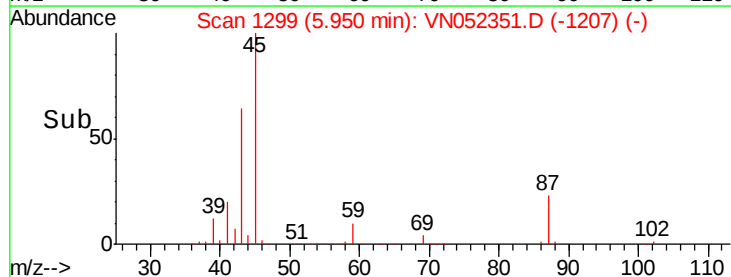
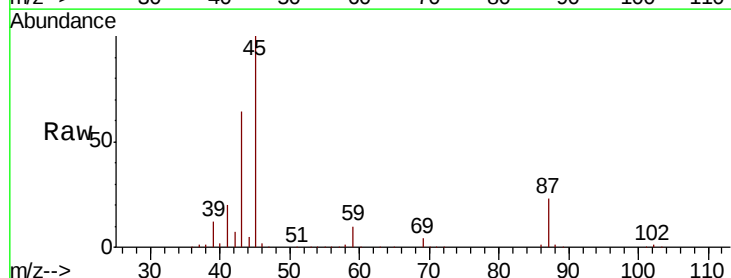
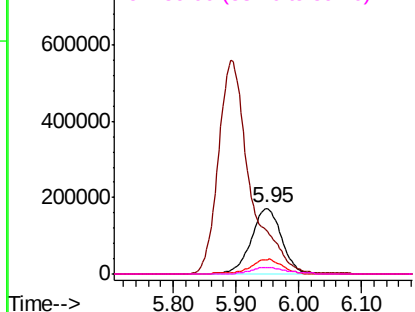
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

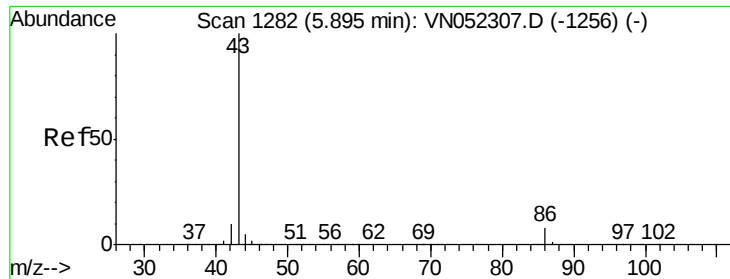


#22
Diisopropyl ether
Concen: 49.187 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	51.4	77.2
87	22.4	18.8	28.2
59	10.3	8.6	12.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





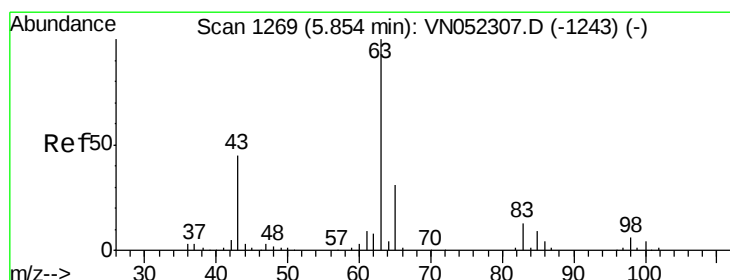
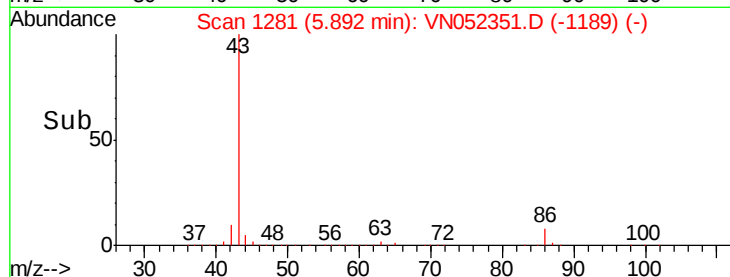
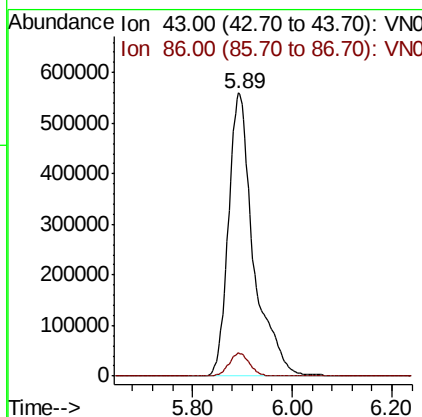
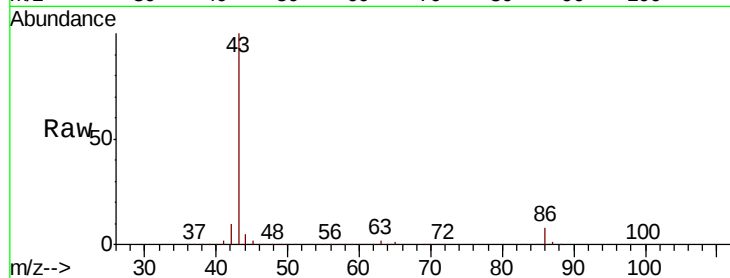
#23
 Vinyl Acetate
 Concen: 245.262 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1965569
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7

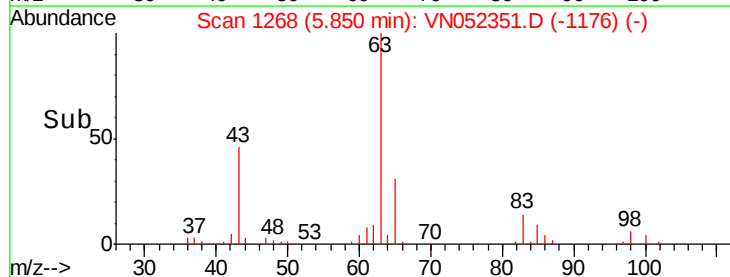
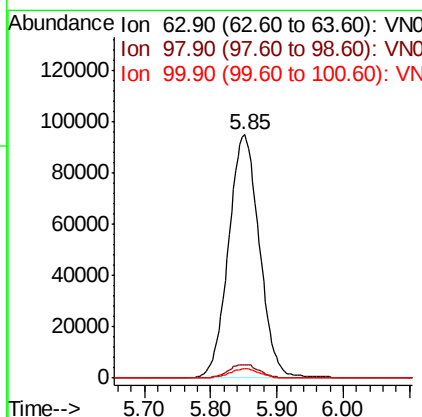
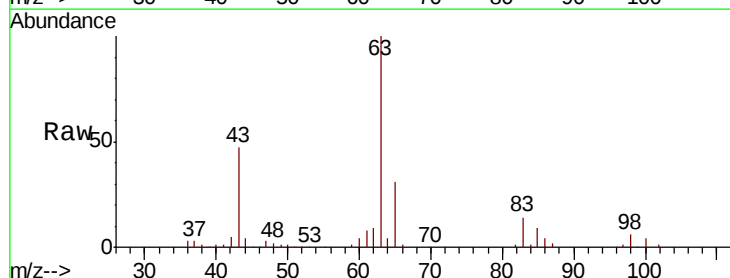
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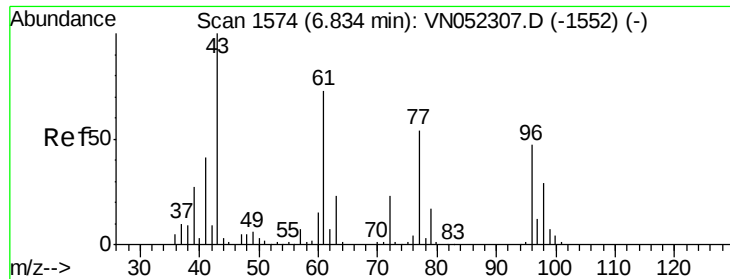
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 11/19/2018 12:45:36 PM



#24
 1,1-Dichloroethane
 Concen: 48.560 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 63 Resp: 307622
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.6
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 225.491 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 338102

Ion Ratio Lower Upper

43 100

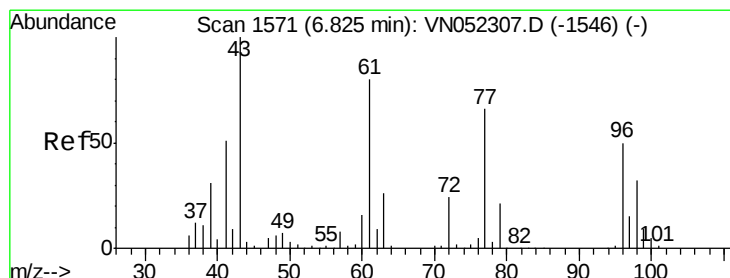
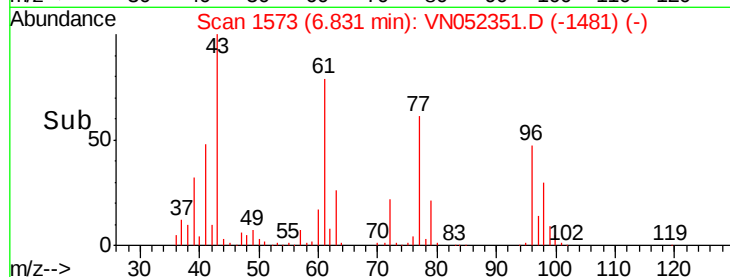
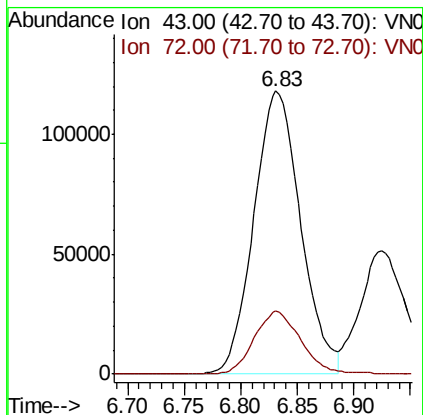
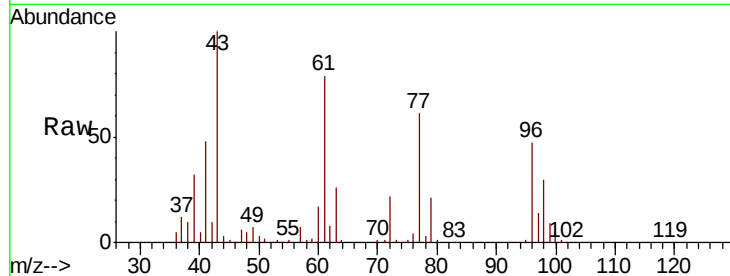
72 22.5 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.145 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052351.D

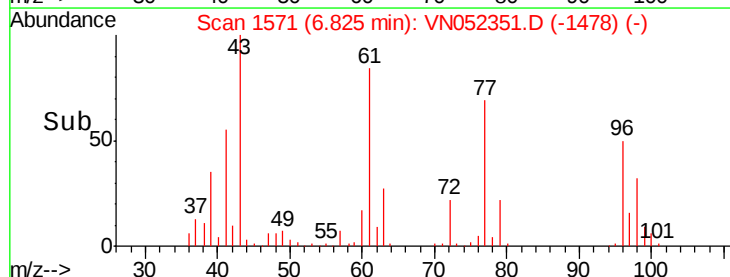
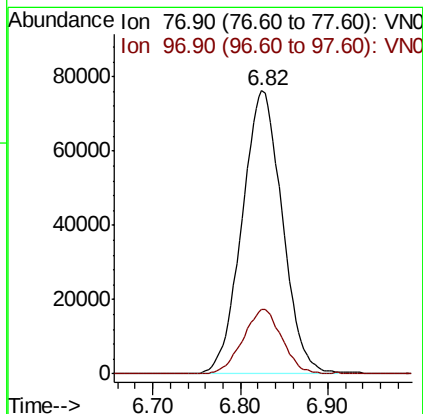
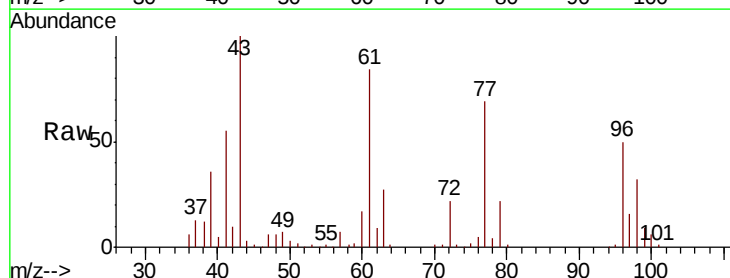
Acq: 16 Nov 2018 8:16

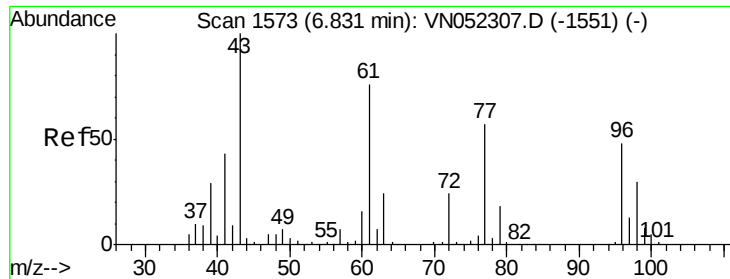
Tgt Ion: 77 Resp: 242900

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.212 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

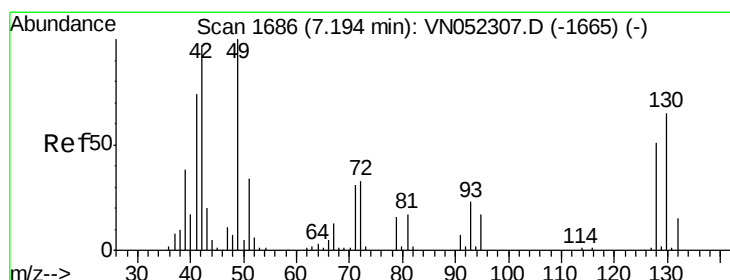
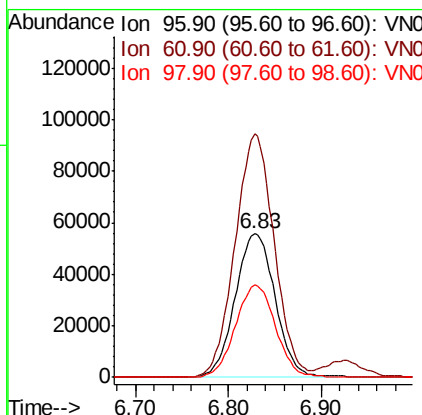
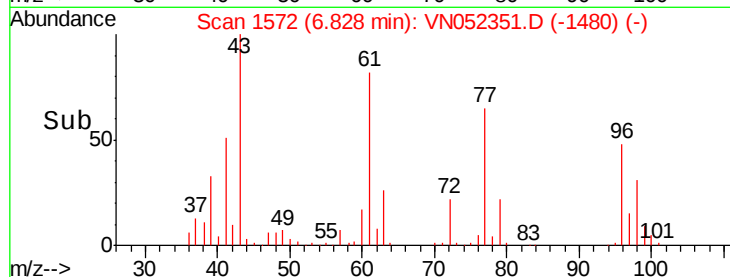
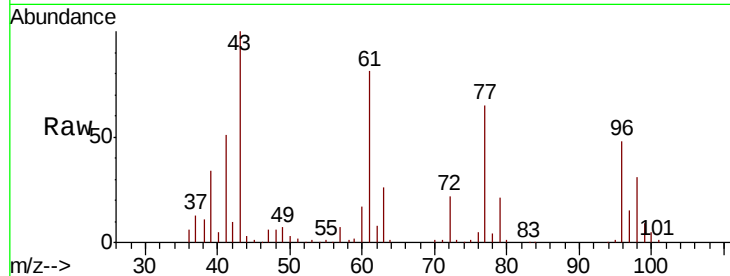
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	166861
Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	316.8
98	64.5	0.0	126.6

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#28

Bromochloromethane

Concen: 47.784 ug/l

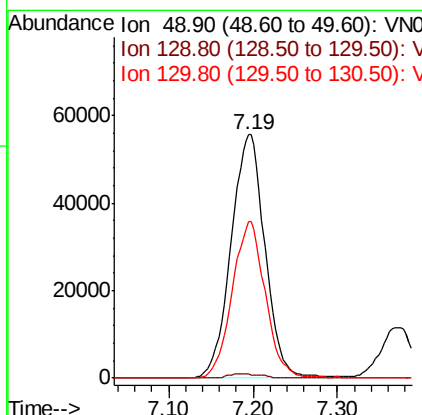
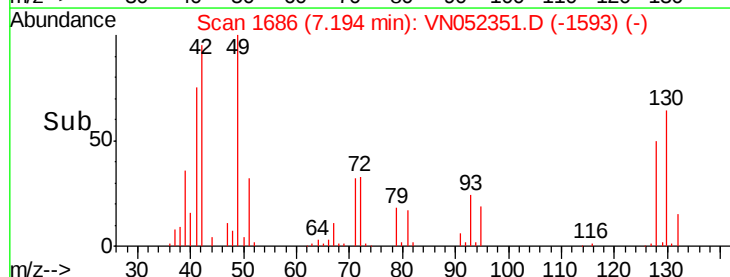
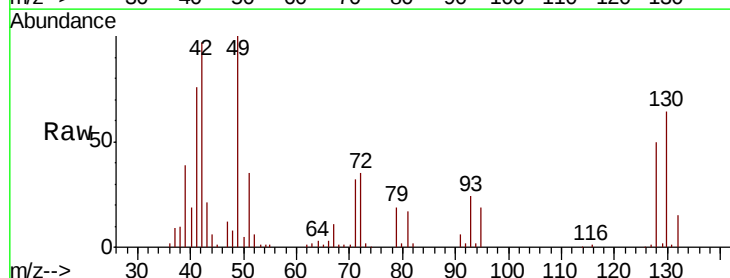
RT: 7.19 min Scan# 1686

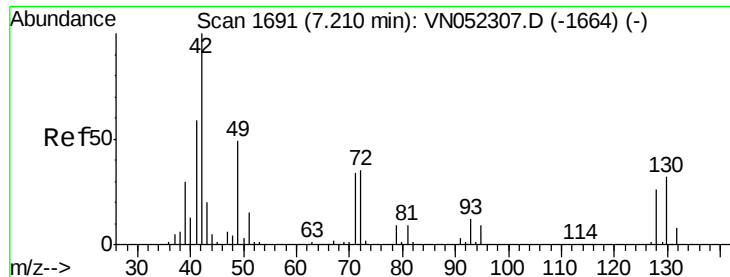
Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion:	49	Resp:	155644
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	62.4	50.4	75.6





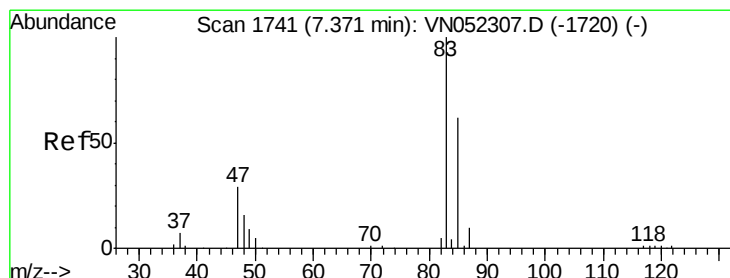
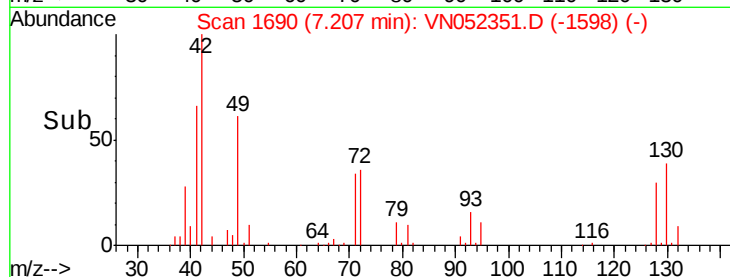
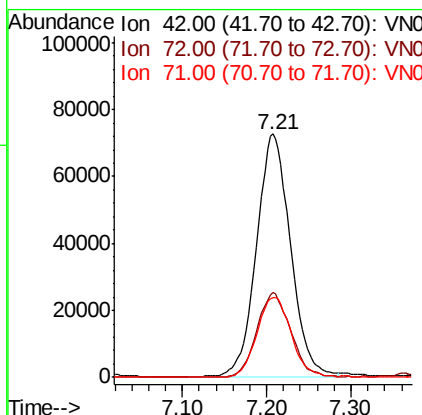
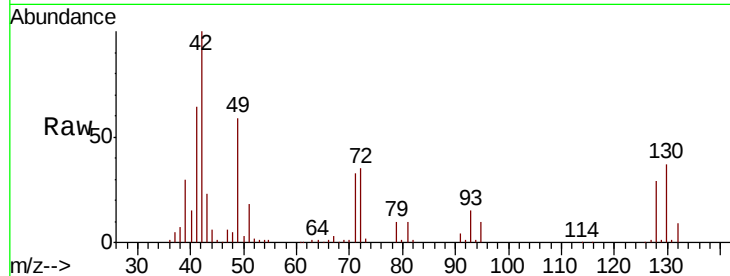
#29
Tetrahydrofuran
Concen: 208.375 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	28.6	42.8
71	32.9	26.7	40.1

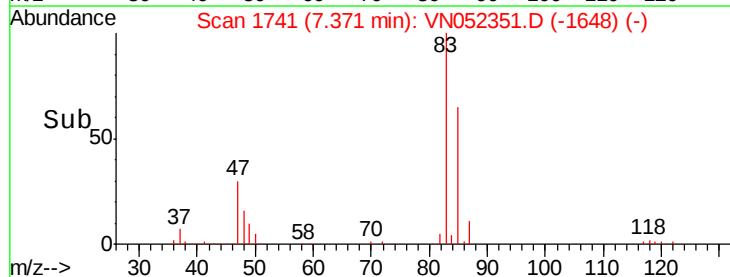
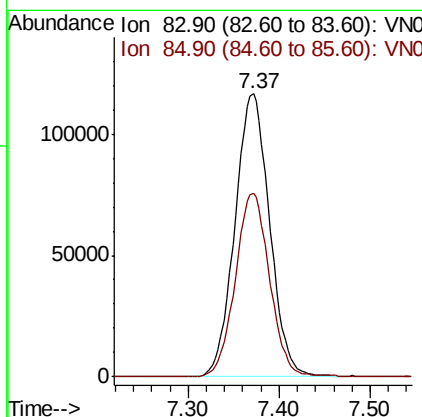
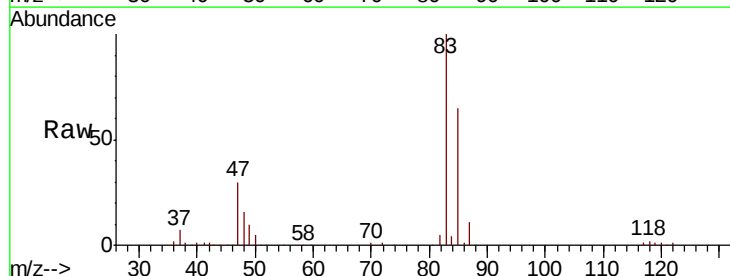
Manual Integrations
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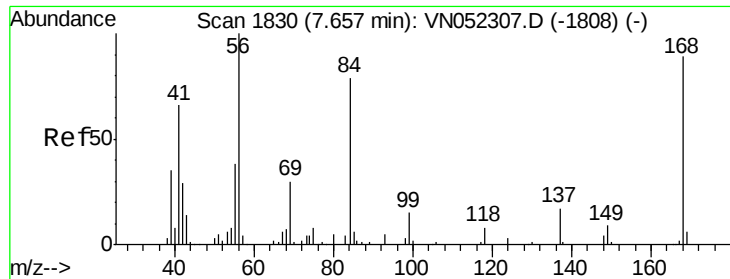
MMDadoda
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#30
Chloroform
Concen: 51.207 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.4	74.2





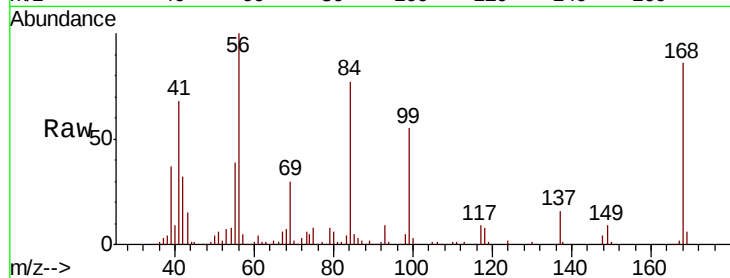
#31
Cyclohexane
Concen: 49.829 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

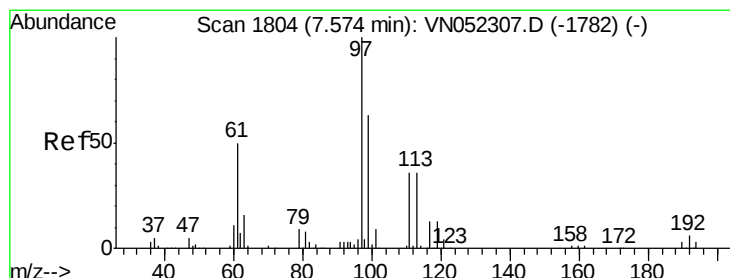
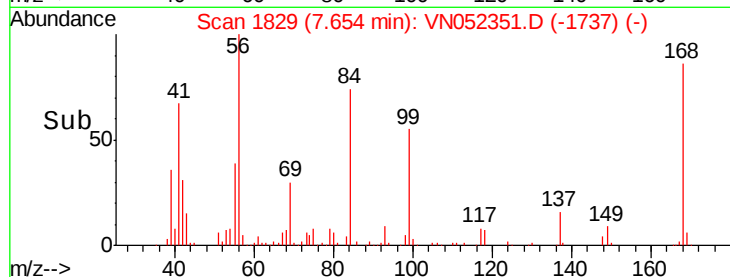
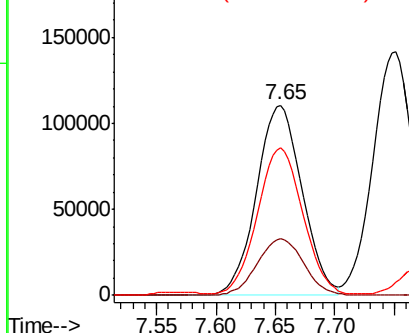
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	75.7	63.0	94.6

Manual Integrations
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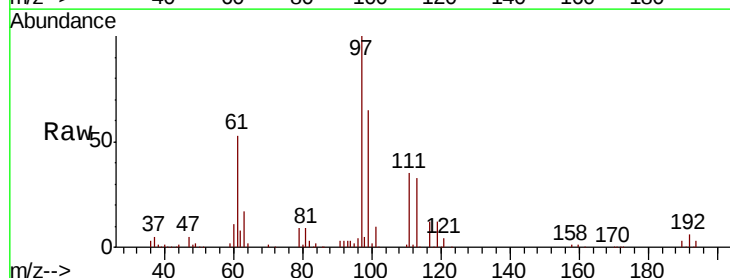


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

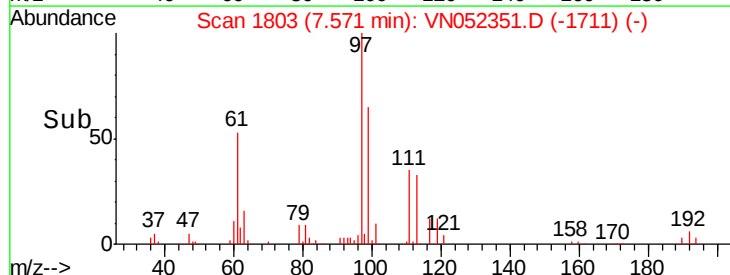
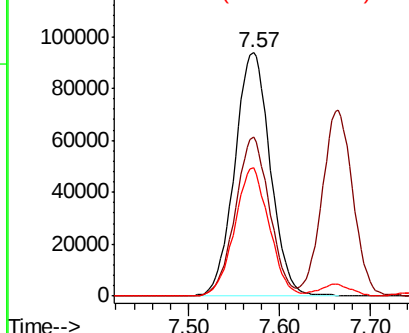


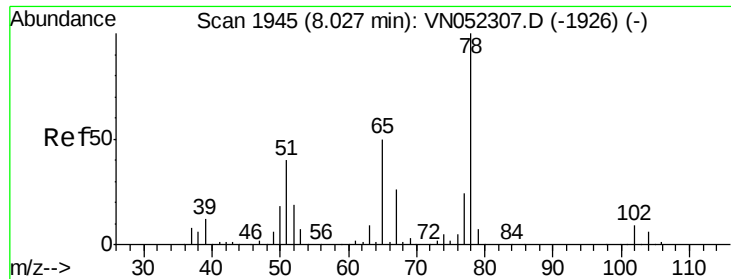
#32
1,1,1-Trichloroethane
Concen: 49.545 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.2	75.2
61	51.2	40.2	60.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





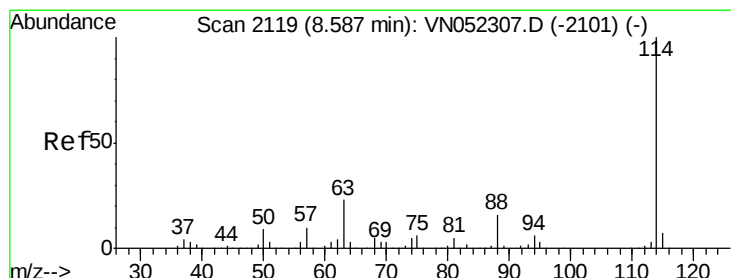
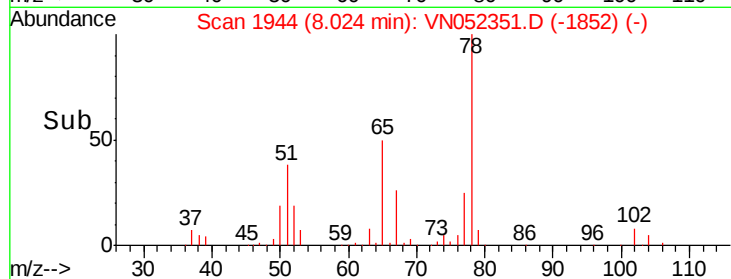
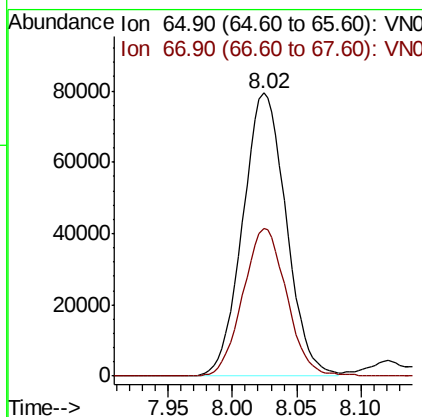
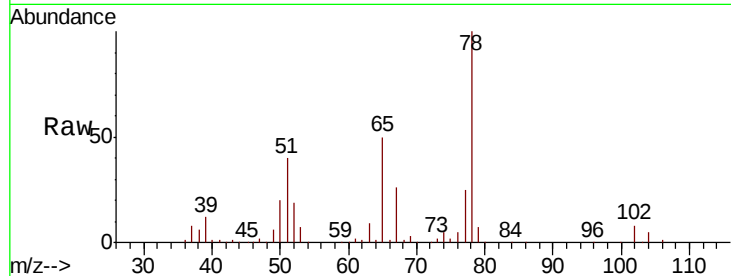
#33
 1,2-Dichloroethane-d4
 Concen: 49.545 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186712		
67	52.6	0.0	105.2	

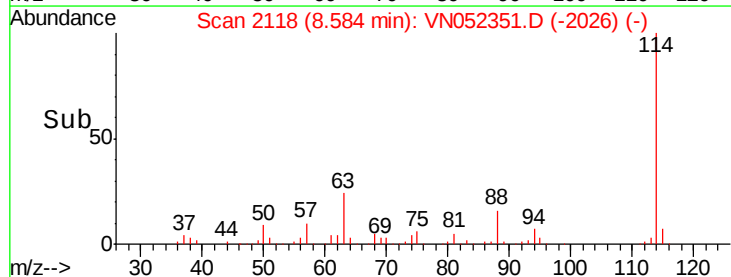
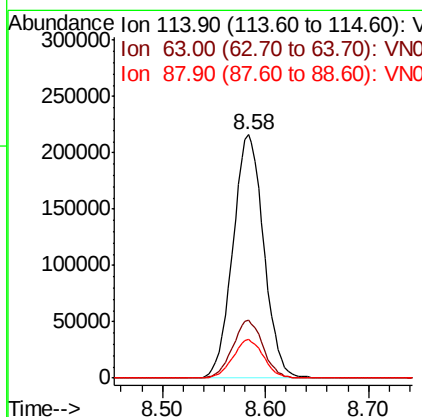
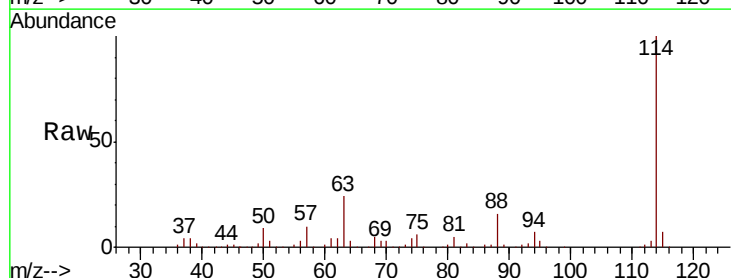
Manual Integrations
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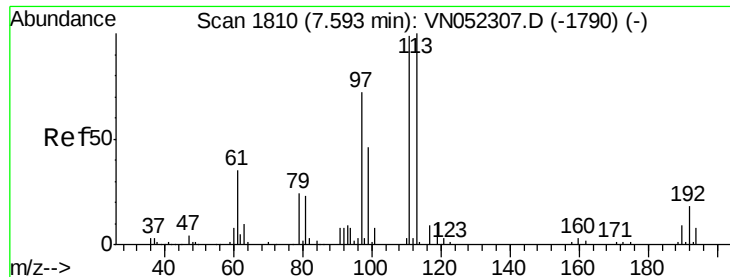
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449833		
63	23.6	0.0	45.4	
88	15.8	0.0	31.2	





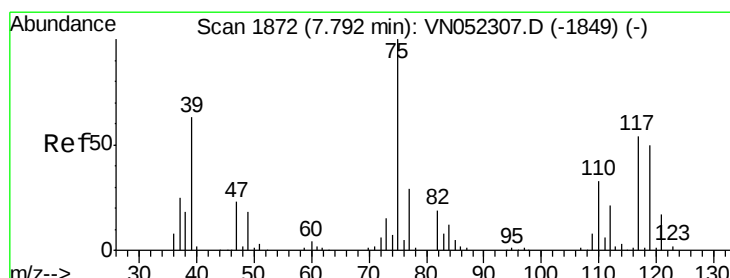
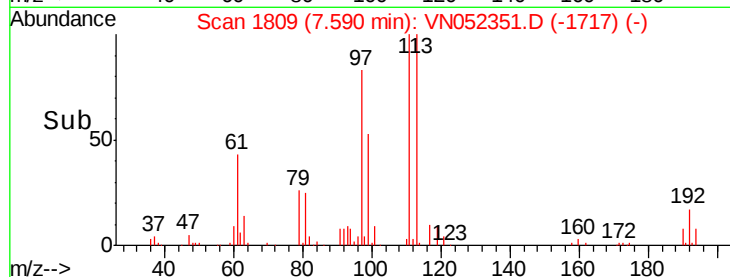
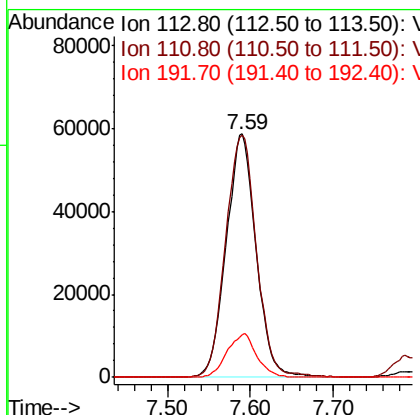
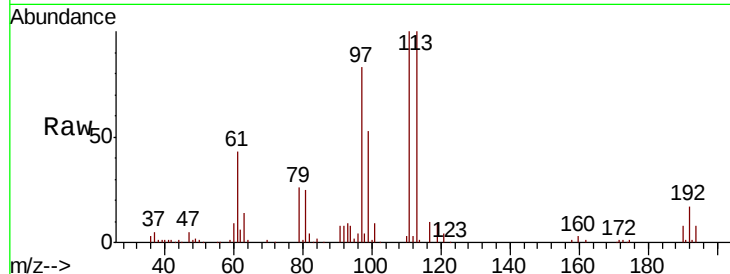
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147213		
111	102.8	81.0	121.6	
192	17.7	13.8	20.6	

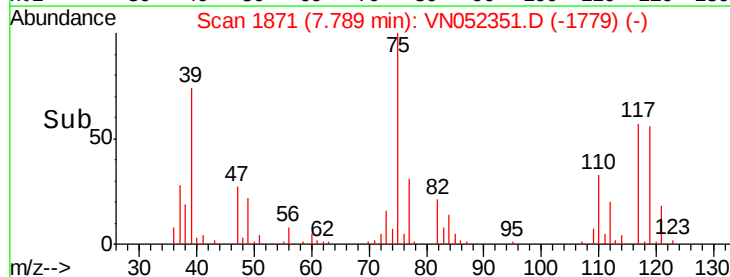
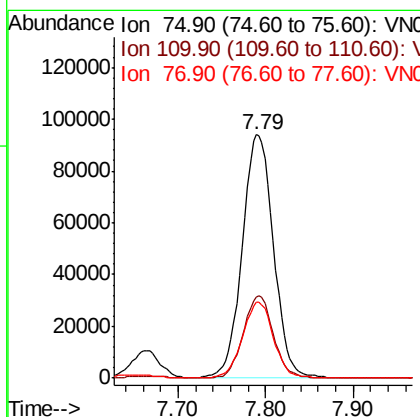
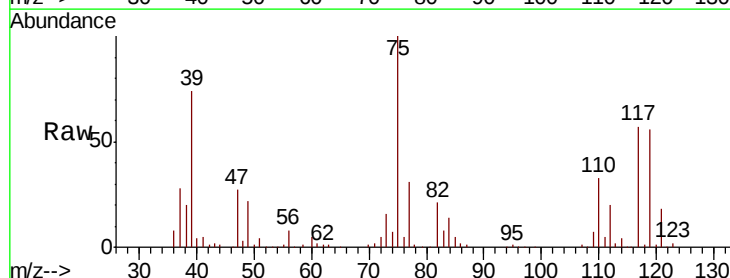
Manual Integrations
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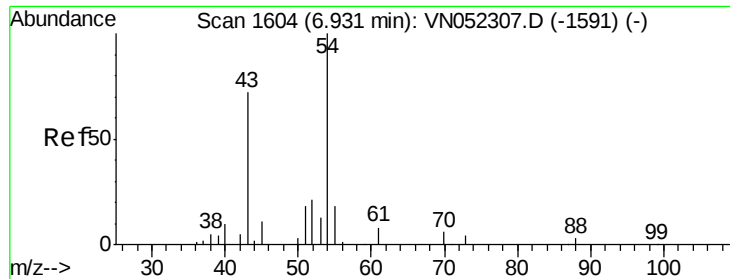
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.506 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	232221		
110	32.6	16.5	49.5	
77	31.2	24.2	36.2	





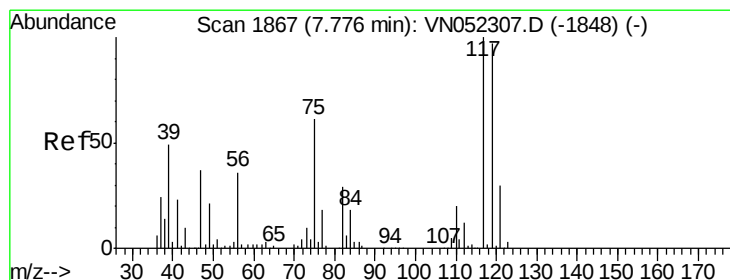
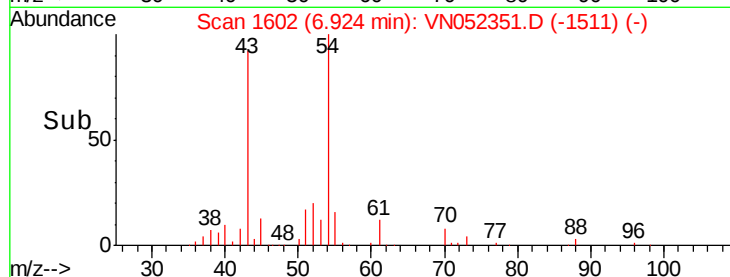
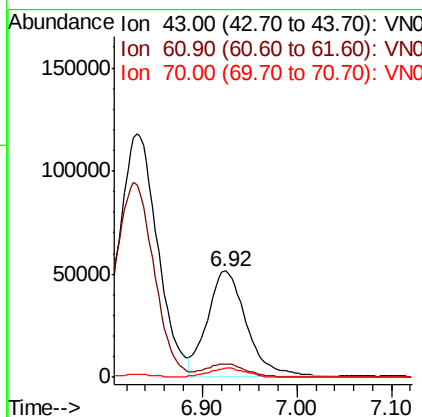
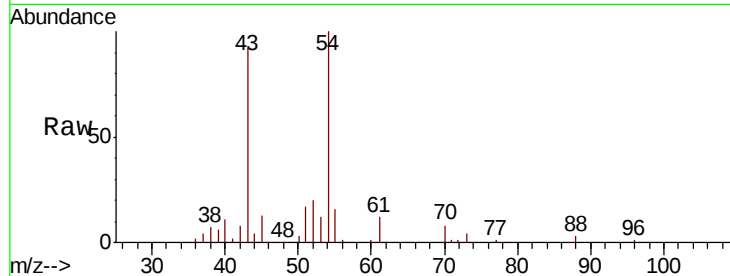
#37
Ethyl Acetate
Concen: 44.912 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	8.6	5.6	8.4

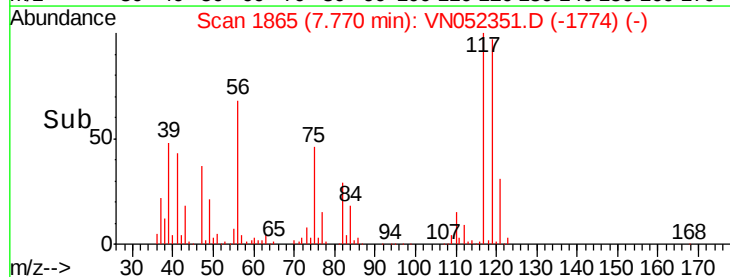
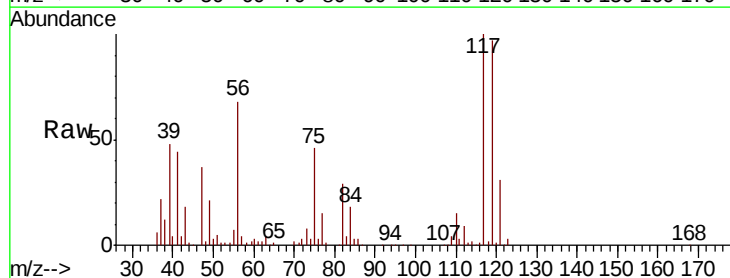
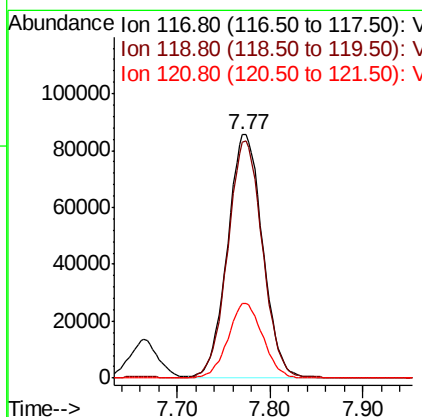
Manual Integrations
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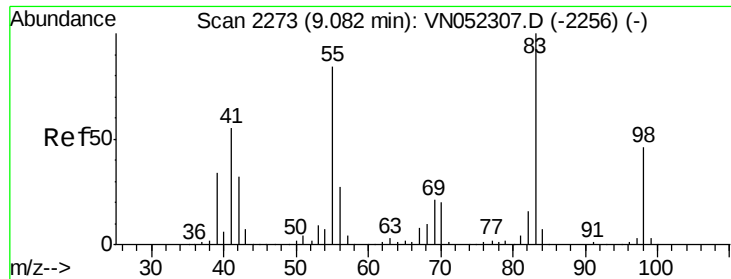
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#38
Carbon Tetrachloride
Concen: 54.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.4	116.0
121	30.6	24.0	36.0





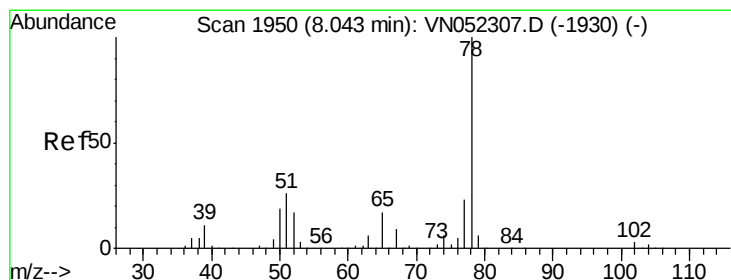
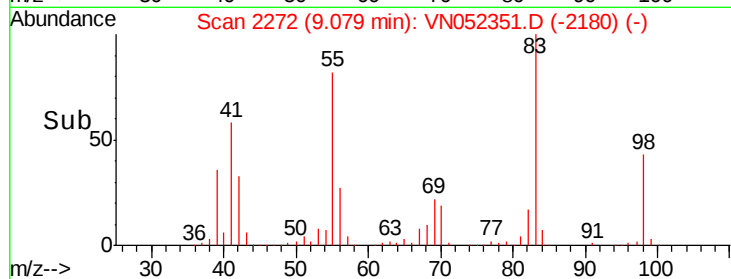
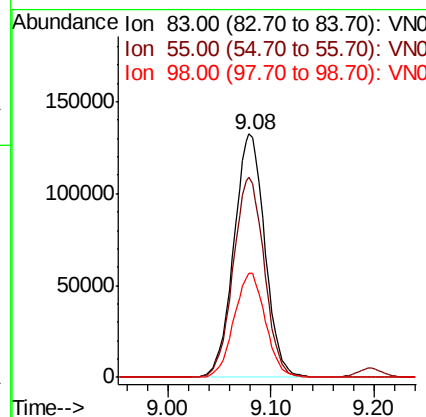
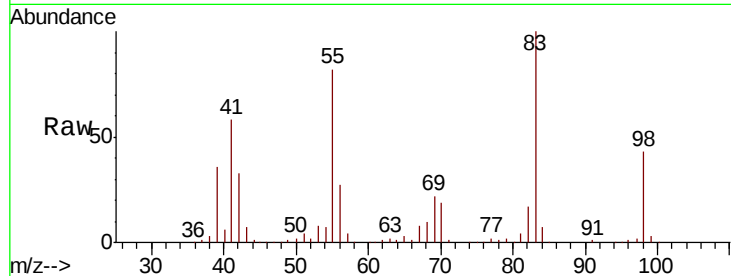
#39
Methvlcvclohexane
Concen: 53.721 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	66.8	100.2
98	42.7	36.4	54.6

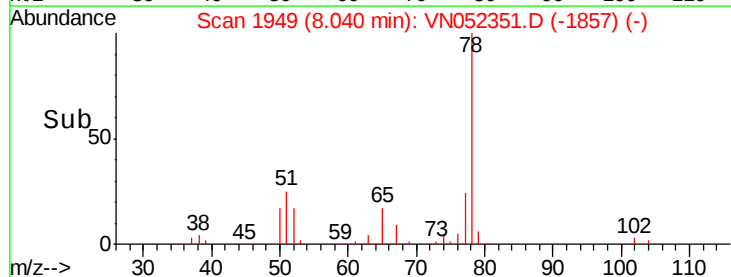
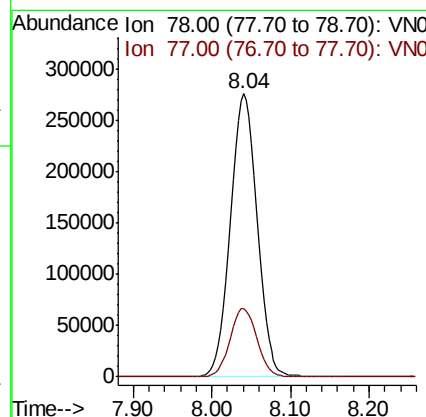
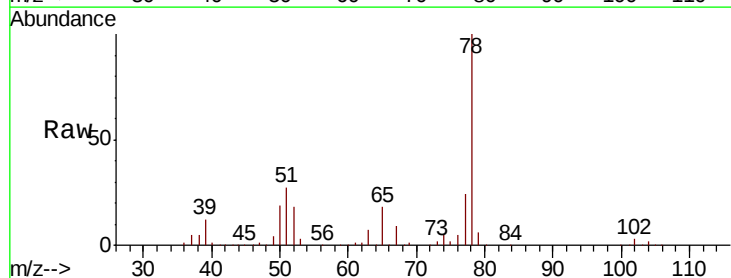
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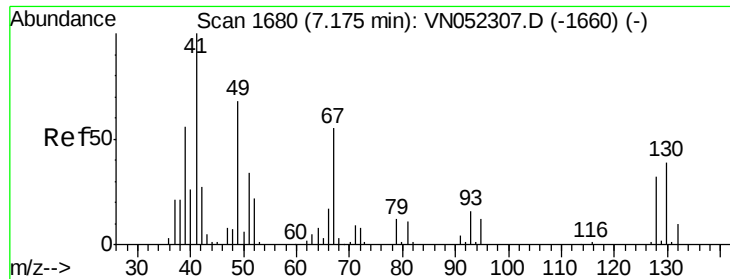
MMDadoda
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#40
Benzene
Concen: 50.444 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





#41

Methacrylonitrile

Concen: 48.267 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 87466

Ion Ratio Lower Upper

41 100

39 56.2 0.0 0.0#

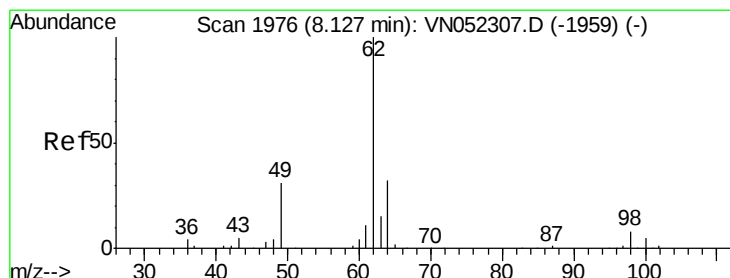
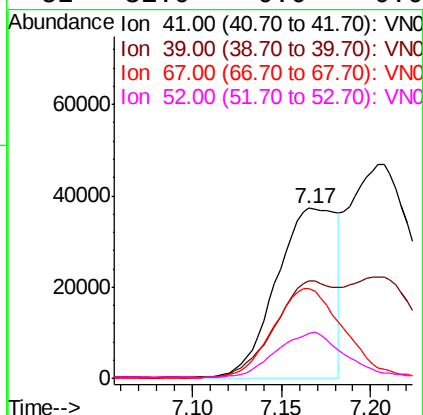
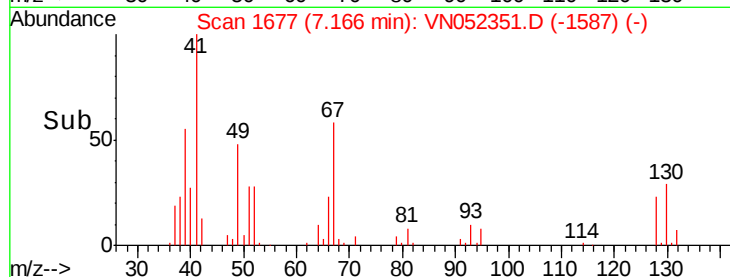
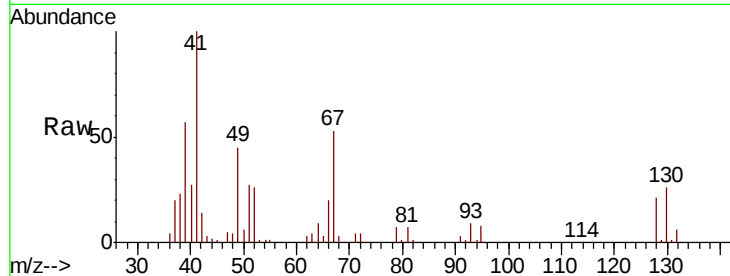
67 62.3 0.0 0.0#

52 31.9 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.699 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052351.D

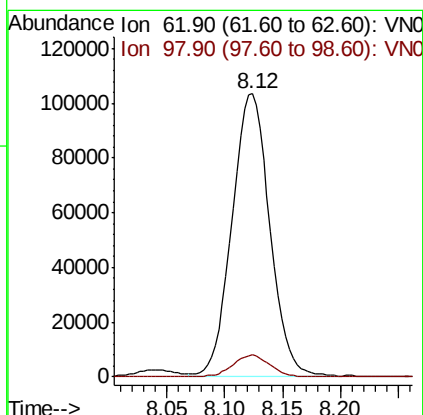
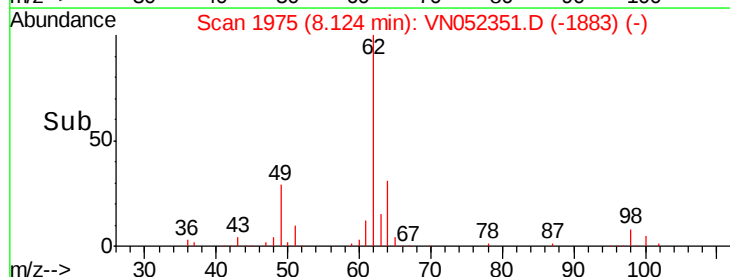
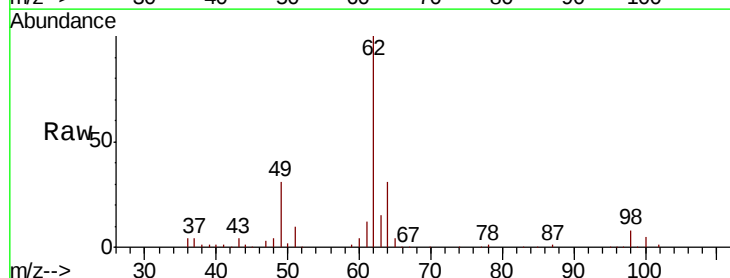
Acq: 16 Nov 2018 8:16

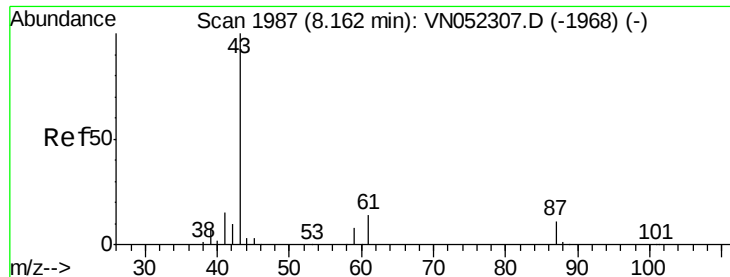
Tgt Ion: 62 Resp: 232864

Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 43.071 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

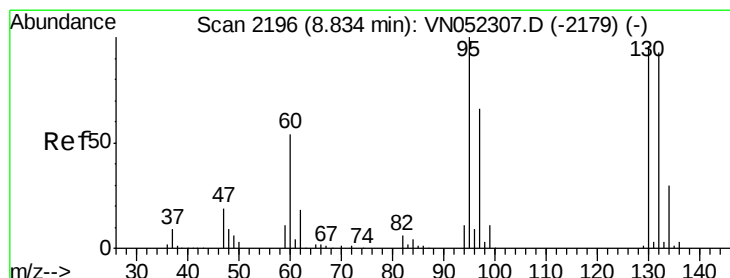
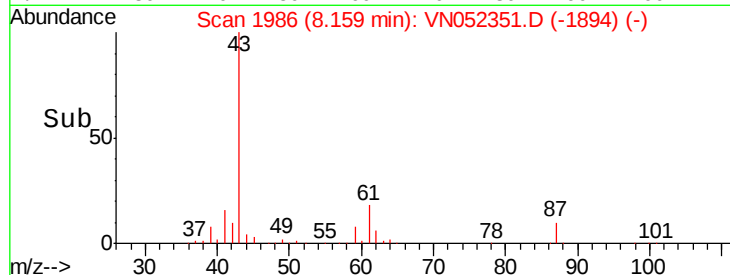
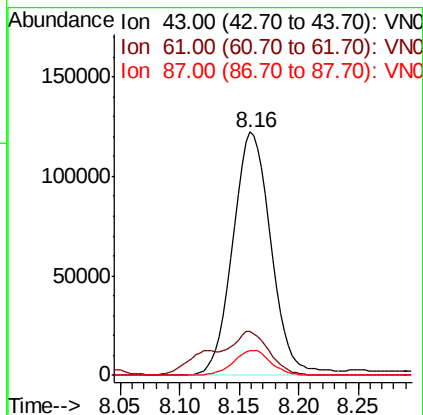
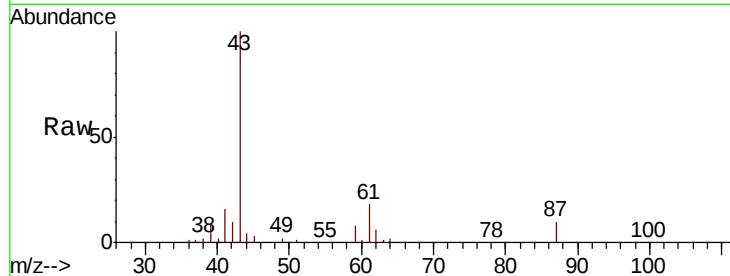
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	271955
Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.0	18.0
87	10.1	8.3	12.5

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#44

Trichloroethene

Concen: 50.669 ug/l

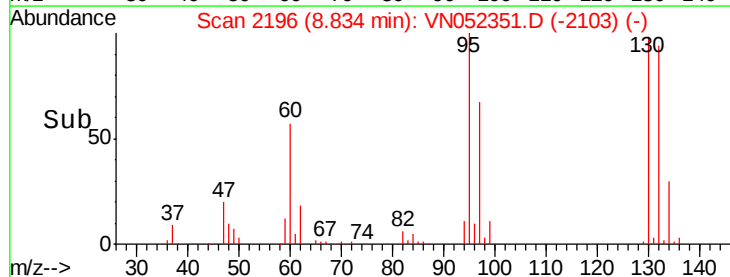
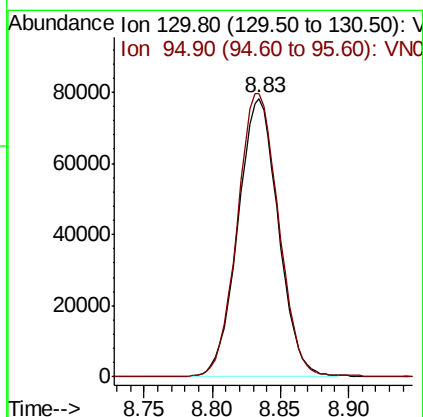
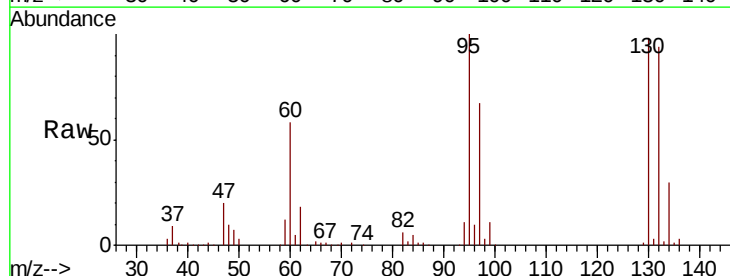
RT: 8.83 min Scan# 2196

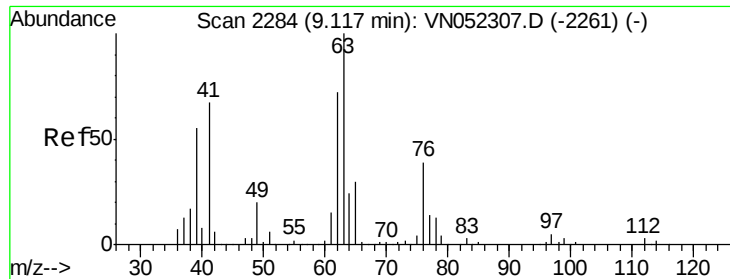
Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion:	130	Resp:	160760
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	208.4





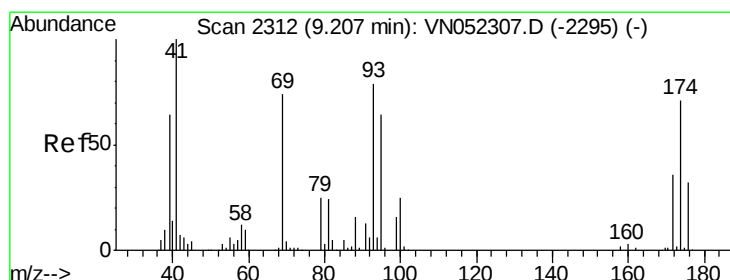
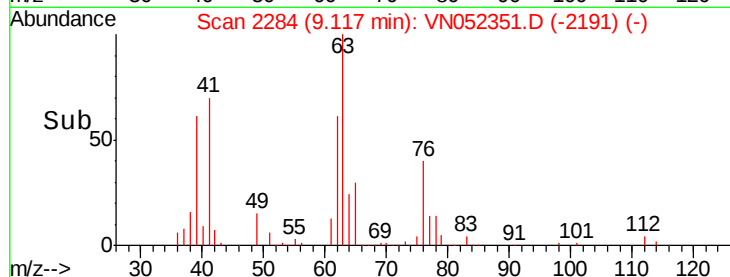
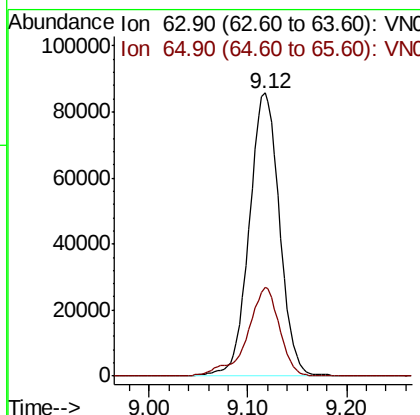
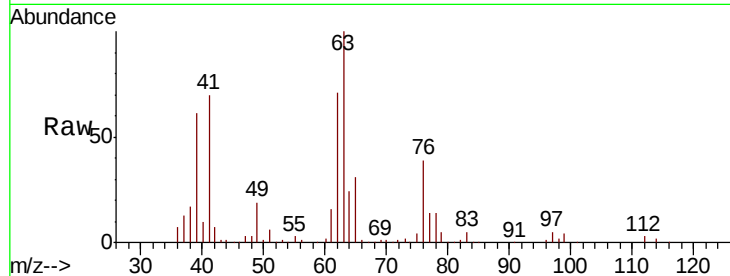
#45
 1,2-Dichloropropane
 Concen: 49.567 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	181186		
65	31.4	24.2	36.4	

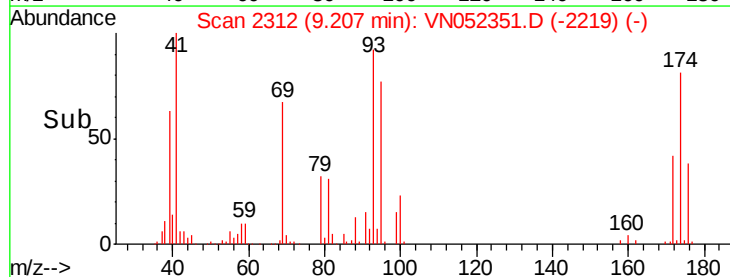
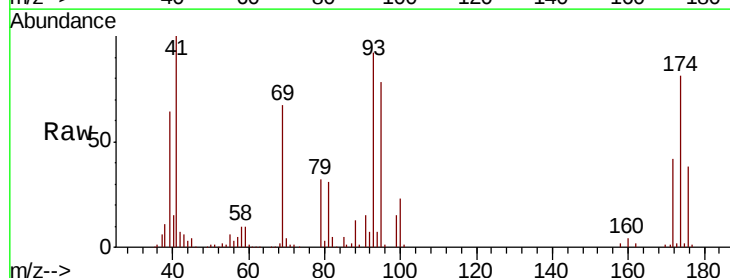
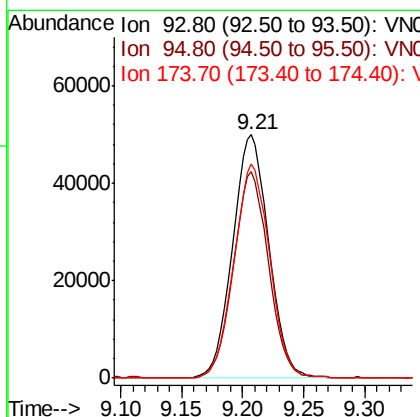
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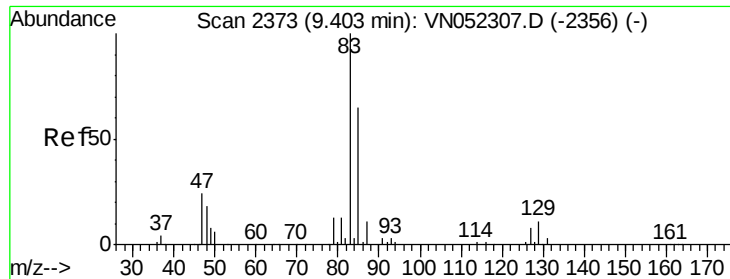
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#46
 Dibromomethane
 Concen: 48.389 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	102395		
95	82.2	64.2	96.2	
174	86.9	70.9	106.3	





#47

Bromodichloromethane

Concen: 53.555 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 232559
Ion Ratio Lower Upper

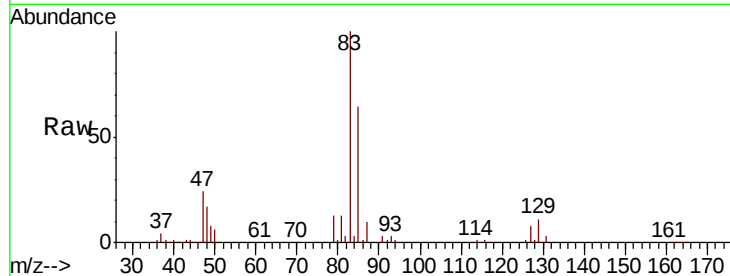
83 100

85 64.3 52.2 78.4

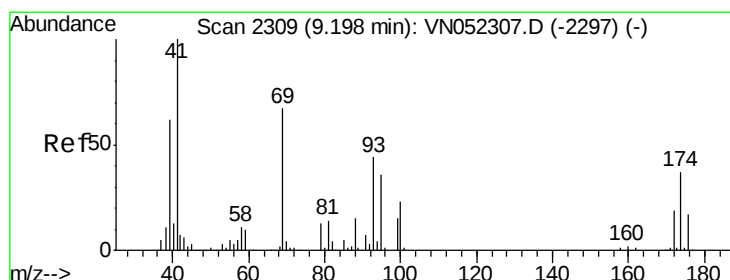
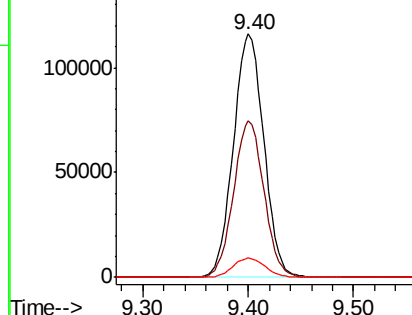
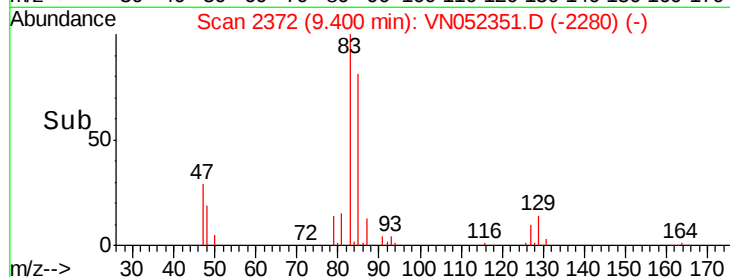
127 7.8 6.7 10.1

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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: 44.167 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052351.D

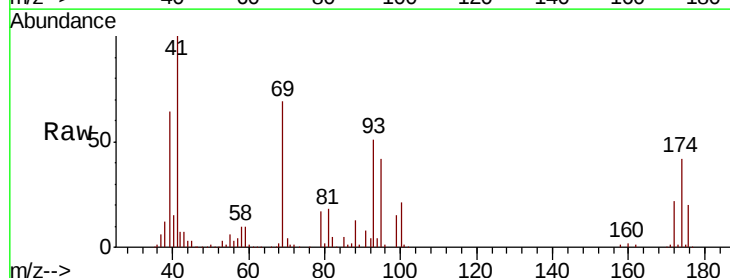
Acq: 16 Nov 2018 8:16

Tgt Ion: 41 Resp: 141508
Ion Ratio Lower Upper

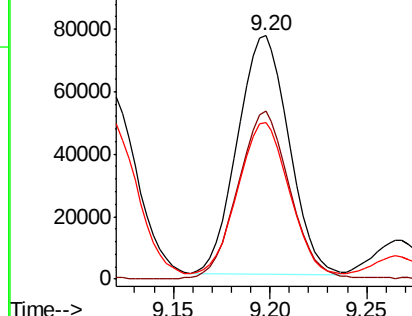
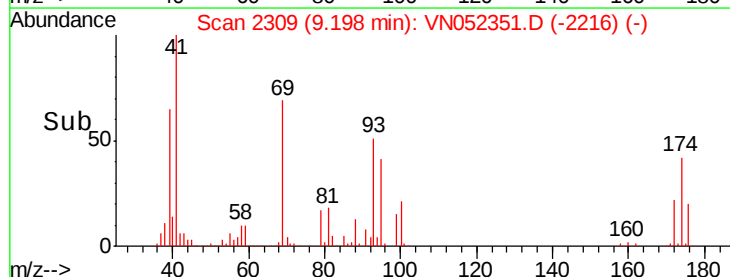
41 100

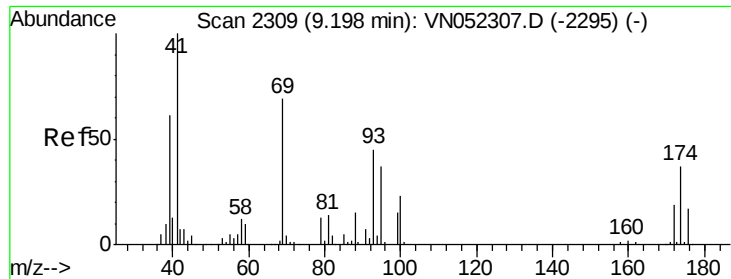
69 71.1 57.1 85.7

39 67.4 52.5 78.7



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





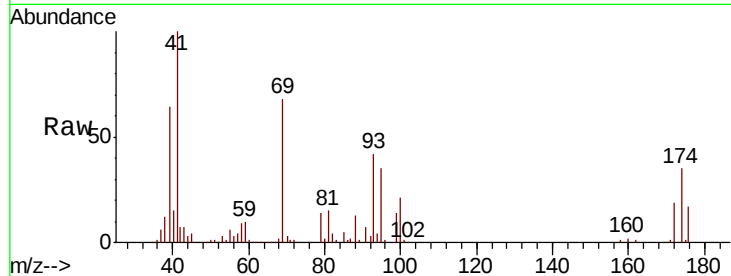
#49
1,4-Dioxane
Concen: 858.922 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	21125		
43	42.9	33.3	49.9	
58	73.5	59.2	88.8	

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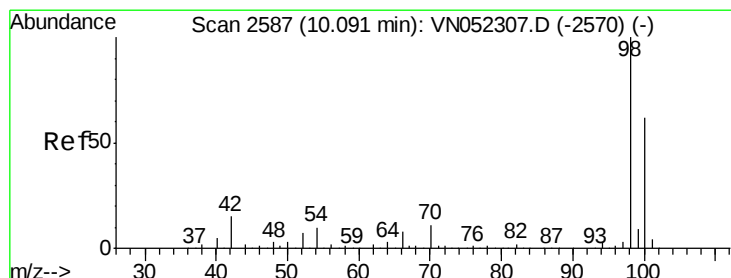
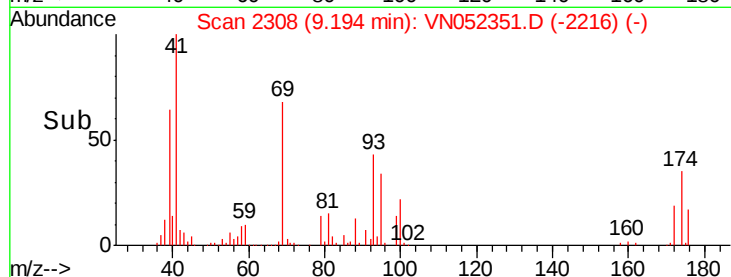
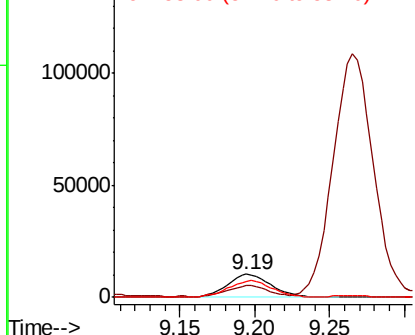


Abundance

Ion 88.00 (87.70 to 88.70): VN0

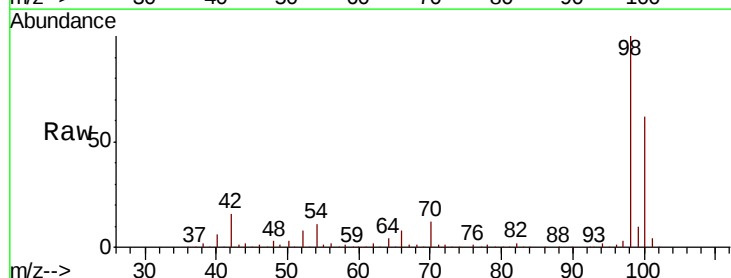
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 858.922 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

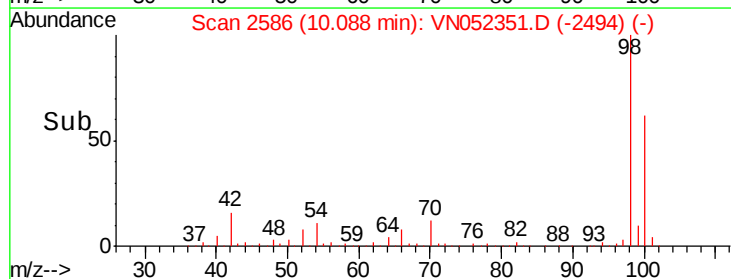
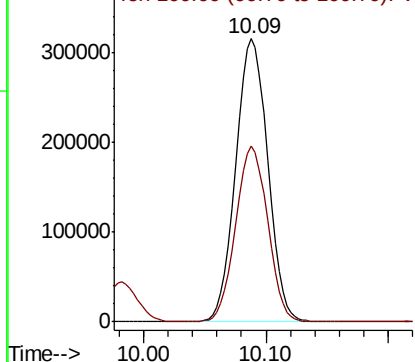
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	574381		
100	61.8	49.5	74.3	

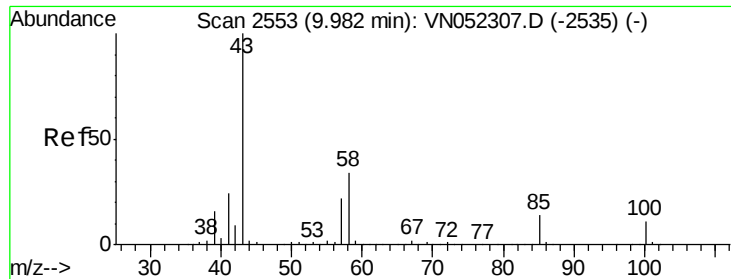


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 229.663 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 729949

Ion Ratio Lower Upper

43 100

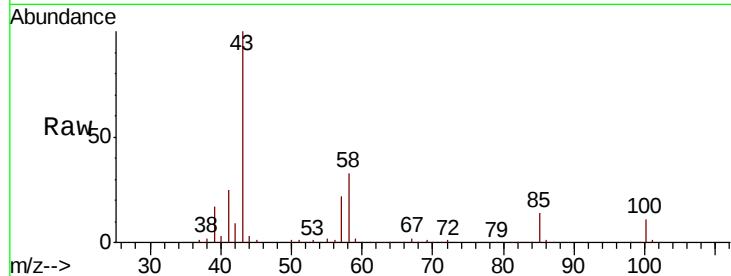
58 33.2 27.0 40.6

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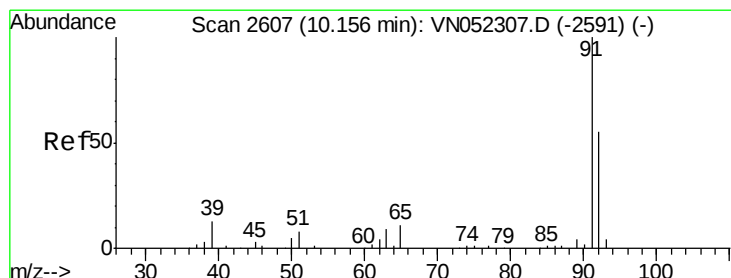
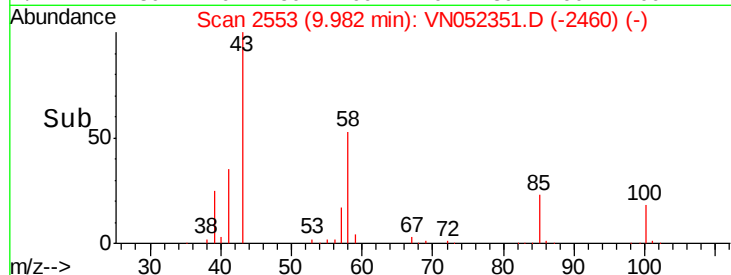
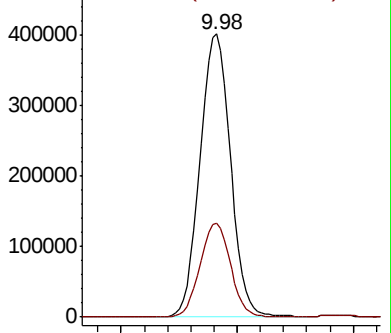
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.773 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052351.D

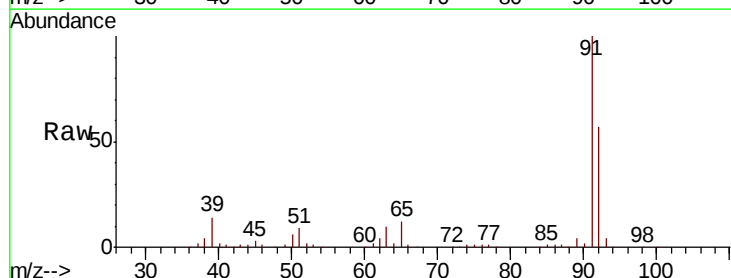
Acq: 16 Nov 2018 8:16

Tgt Ion: 92 Resp: 398920

Ion Ratio Lower Upper

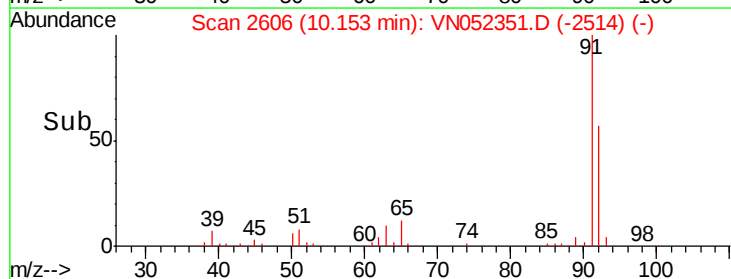
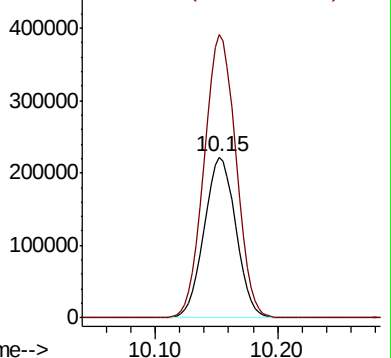
92 100

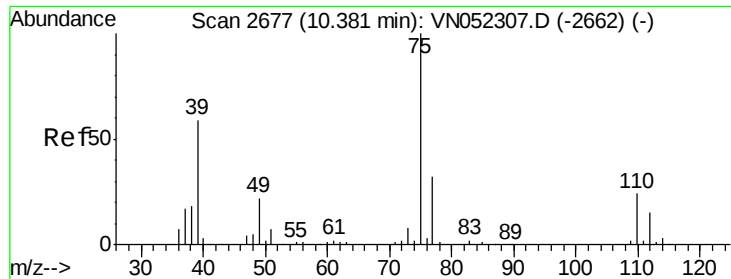
91 177.0 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





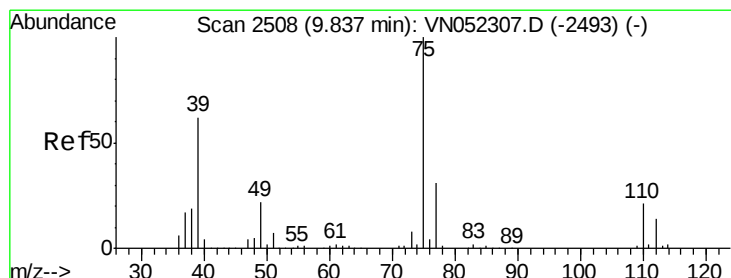
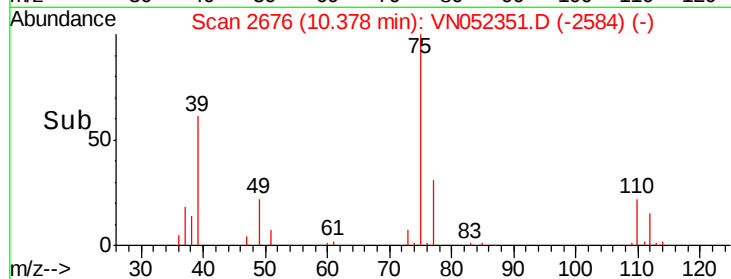
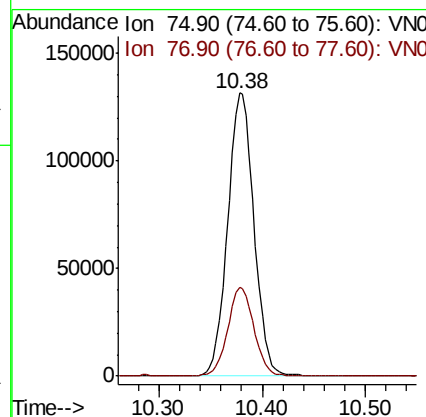
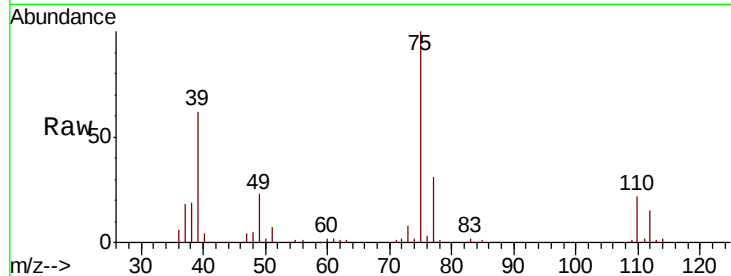
#53
 t-1,3-Dichloropropene
 Concen: 53.239 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 233163
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5

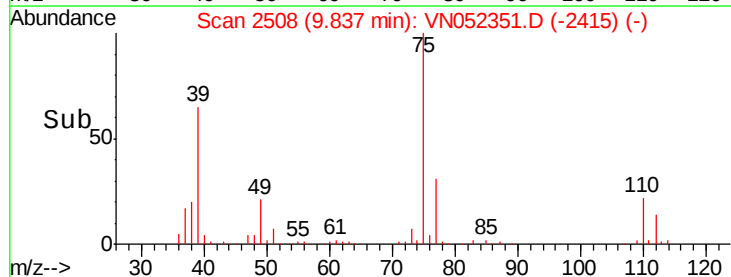
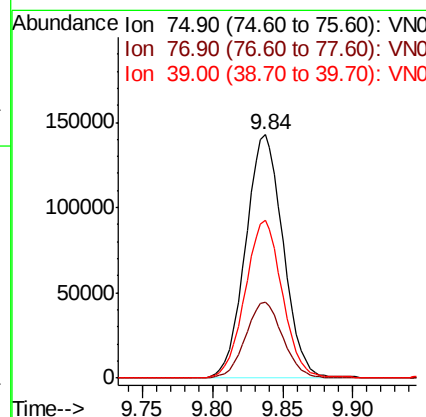
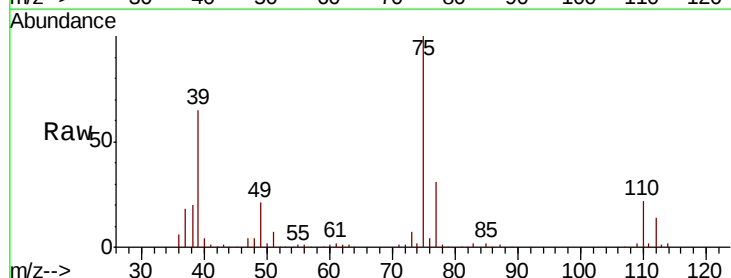
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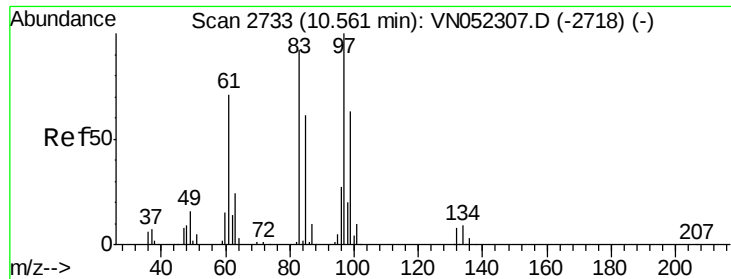
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#54
 cis-1,3-Dichloropropene
 Concen: 53.305 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 75 Resp: 266130
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 36.8
 39 64.5 49.9 74.9





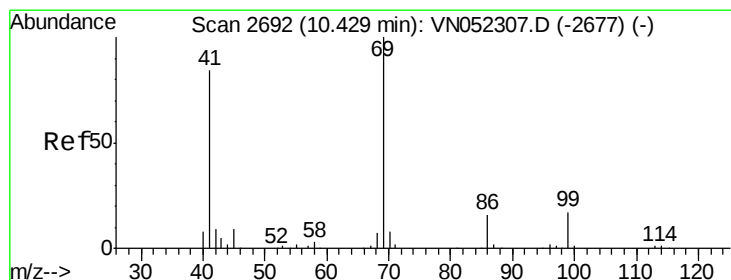
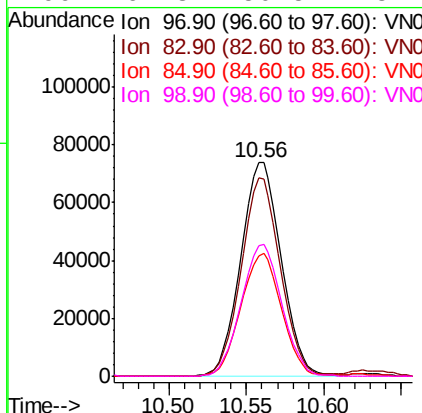
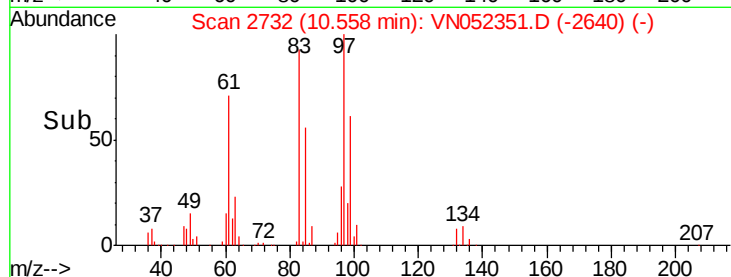
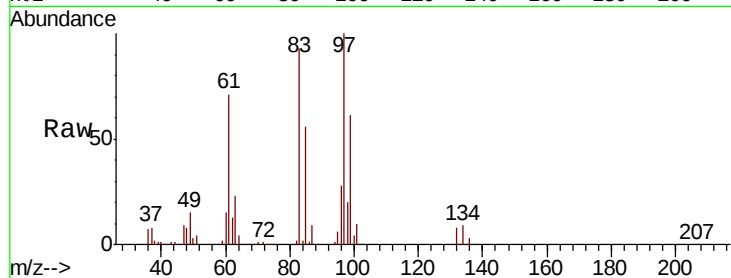
#55
 1,1,2-Trichloroethane
 Concen: 48.239 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	134743
Ion	Ratio	Lower	Upper
97	100		
83	93.0	73.8	110.6
85	56.3	49.0	73.4
99	61.3	50.5	75.7

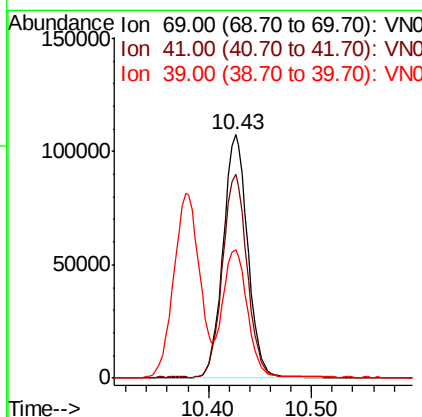
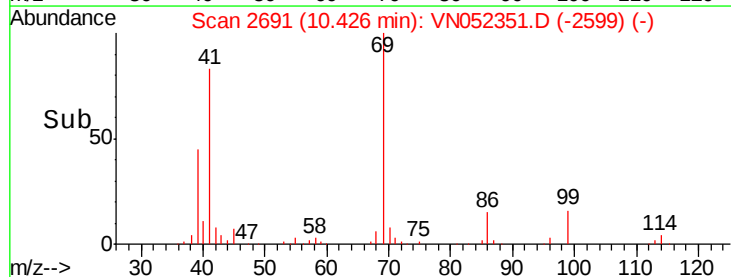
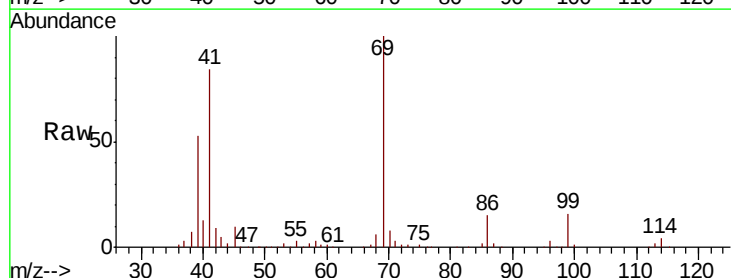
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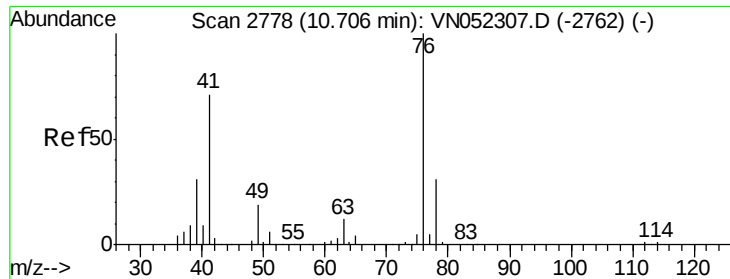
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#56
 Ethyl methacrylate
 Concen: 48.709 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion:	69	Resp:	178932
Ion	Ratio	Lower	Upper
69	100		
41	83.9	64.8	97.2
39	52.5	41.0	61.6





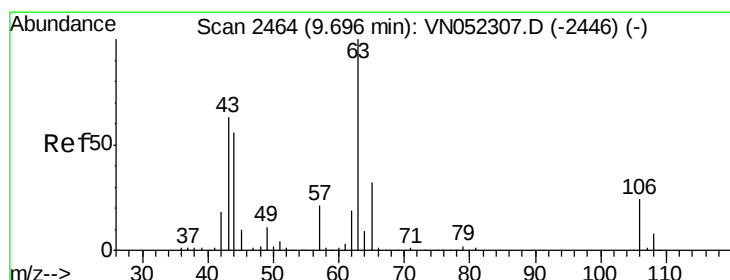
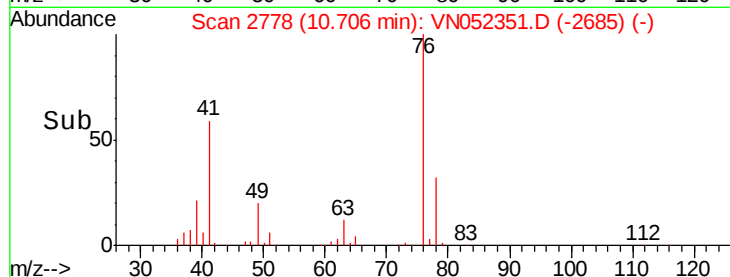
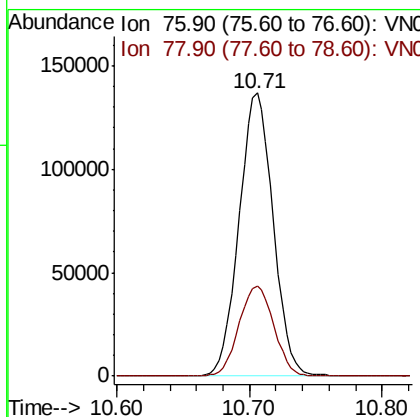
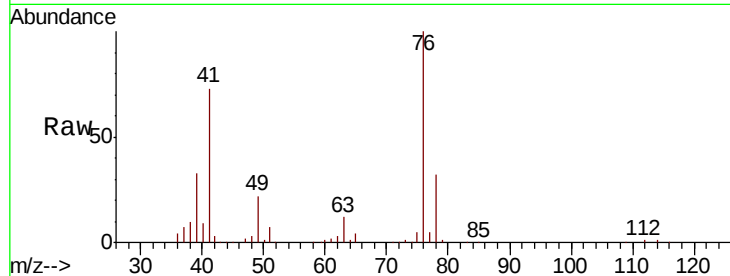
#57
 1,3-Dichloropropane
 Concen: 49.295 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 243893
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

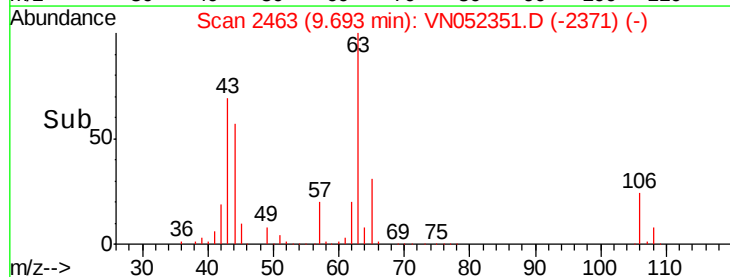
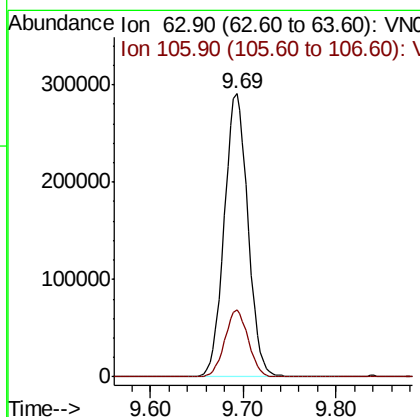
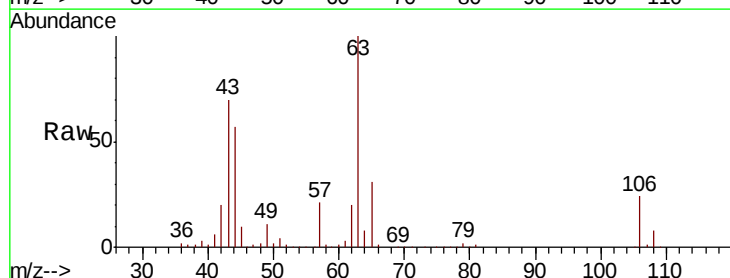
Manual Integrations
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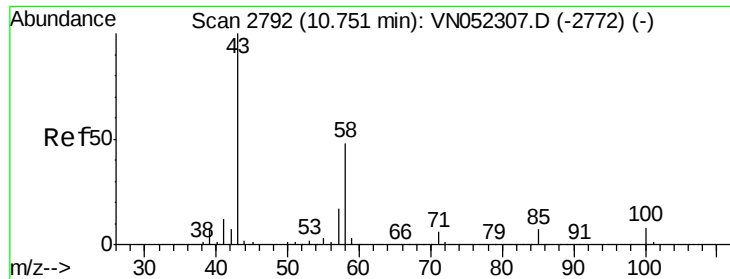
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.532 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 63 Resp: 515595
 Ion Ratio Lower Upper
 63 100
 106 23.3 19.3 28.9





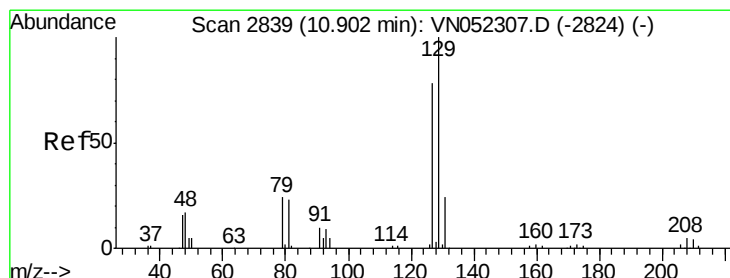
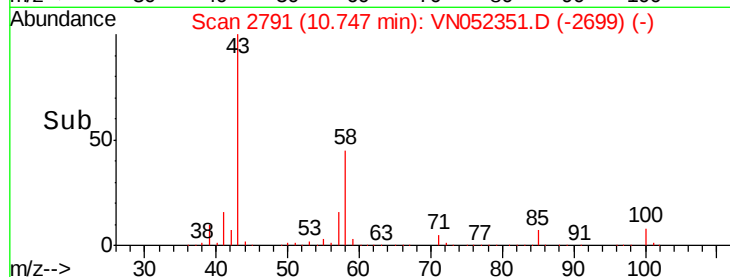
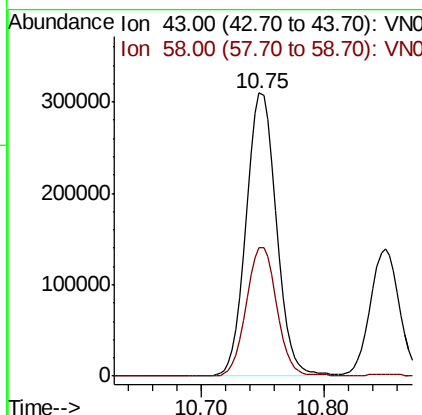
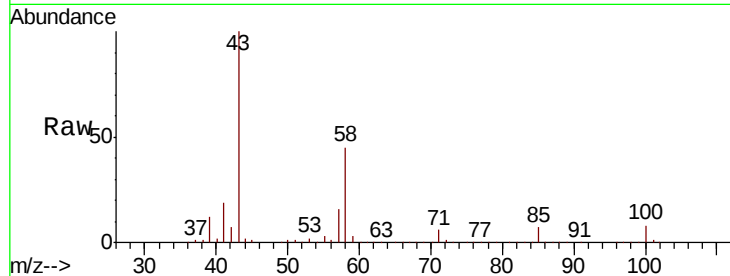
#59
2-Hexanone
Concen: 240.954 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.2	23.5	70.6

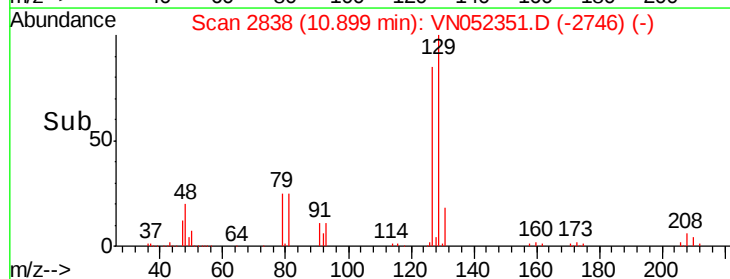
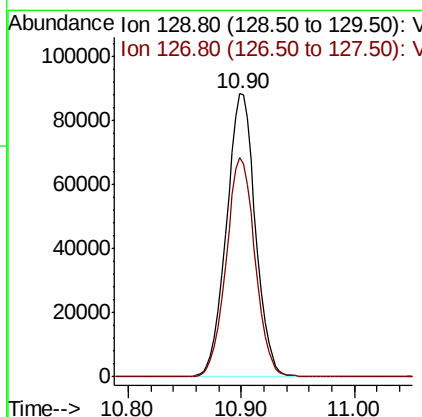
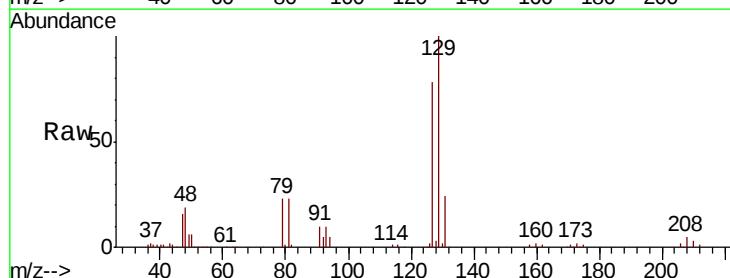
Manual Integrations
APPROVED

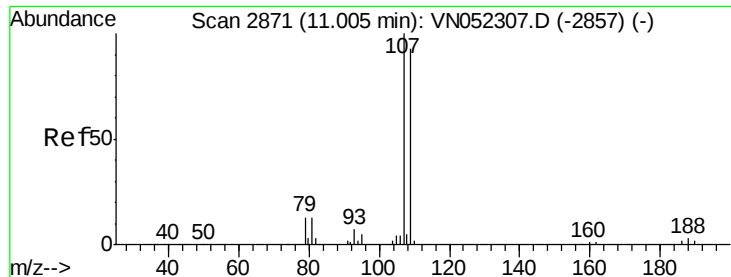
MMDadoda
11/19/2018 12:45:36 PM



#60
Dibromochloromethane
Concen: 52.137 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





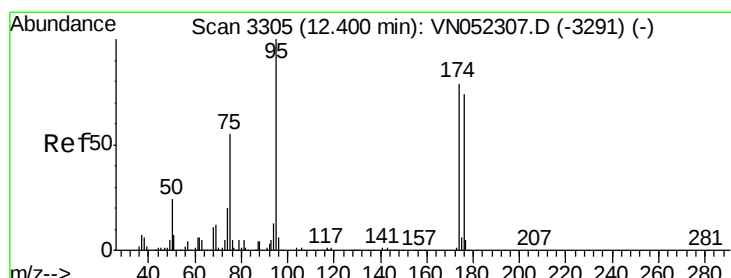
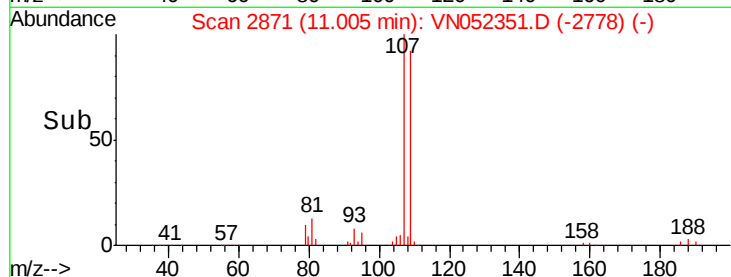
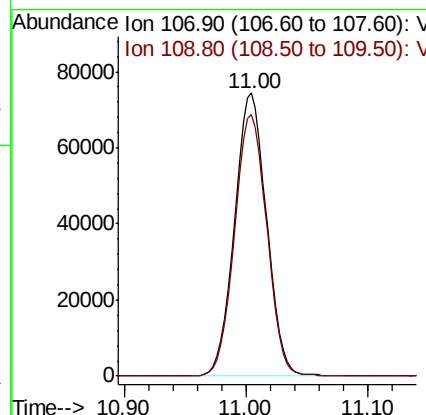
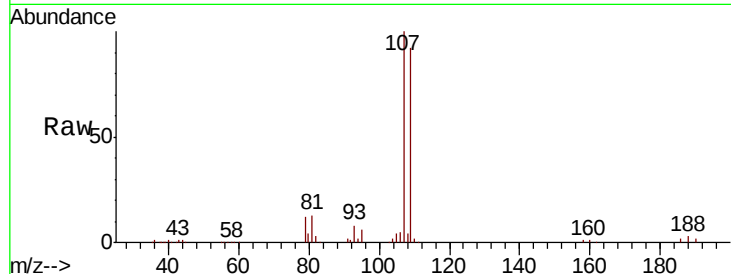
#61
 1,2-Dibromoethane
 Concen: 48.677 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.9	112.3

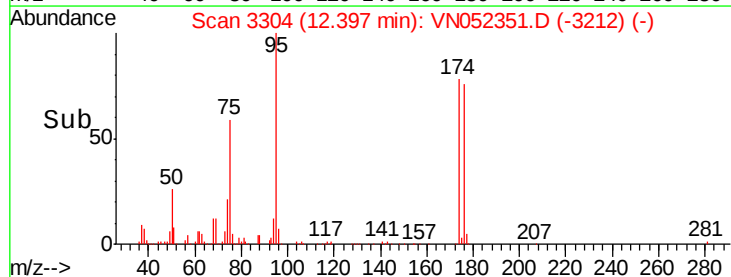
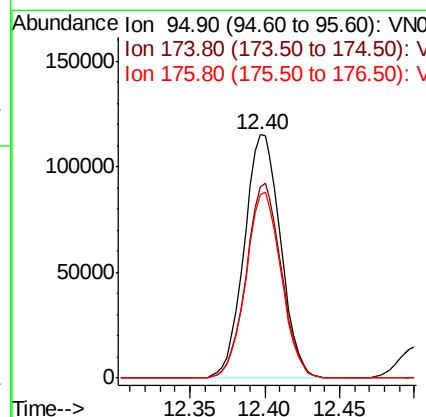
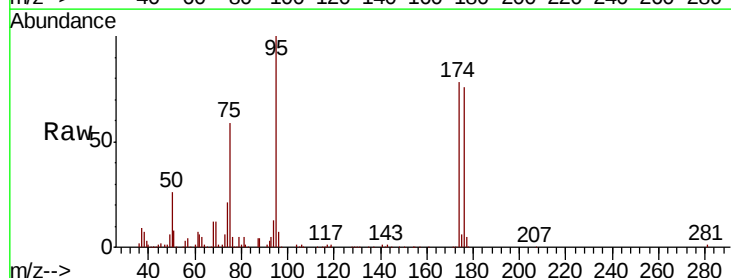
Manual Integrations
 APPROVED

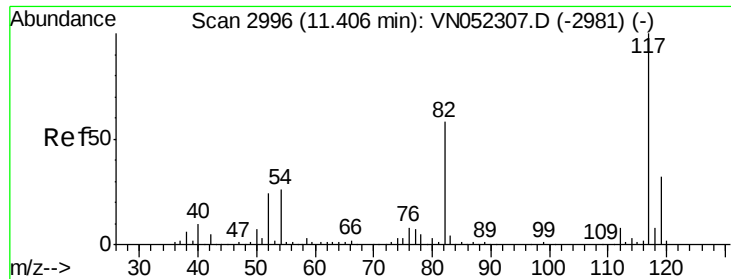
MMDadoda
 11/19/2018 12:45:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.677 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.0
176	74.4	0.0	148.4





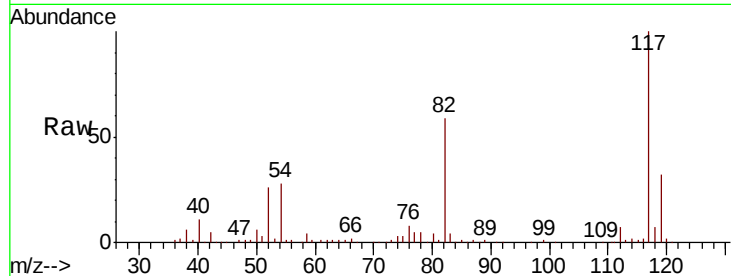
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.5	69.7
119	32.5	25.7	38.5

Manual Integrations
APPROVED

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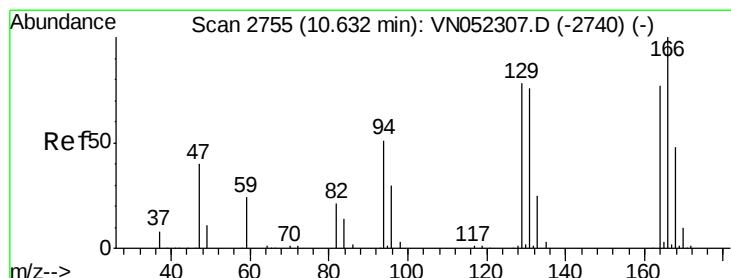
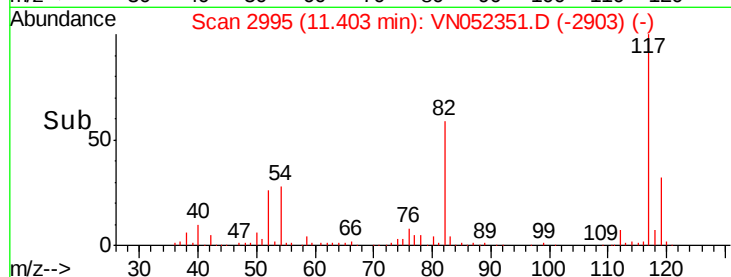
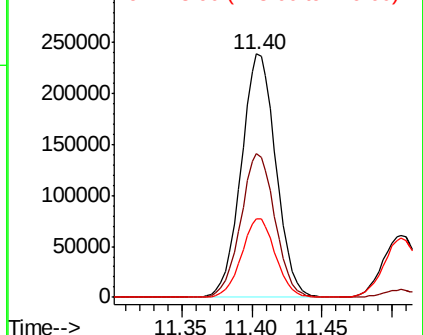


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.024 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.8	155.6
129	100.4	80.7	121.1
131	94.6	78.5	117.7

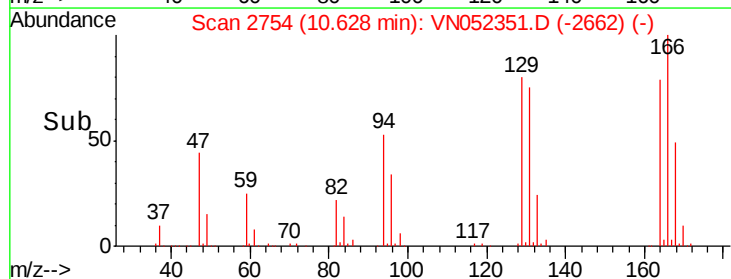
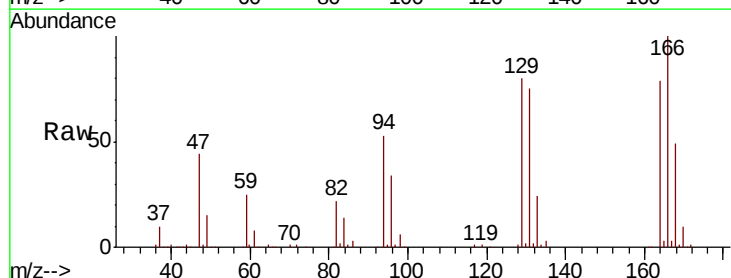
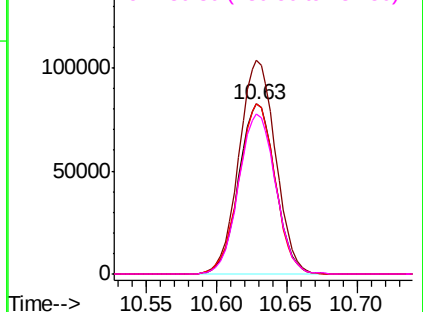
Abundance

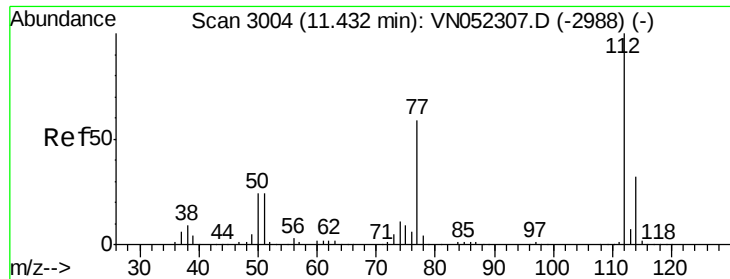
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





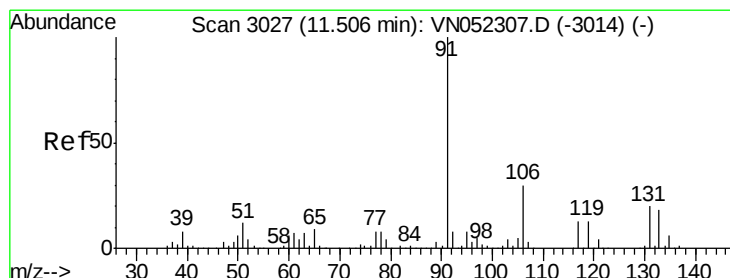
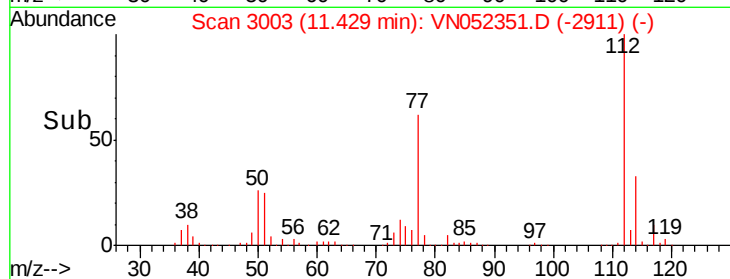
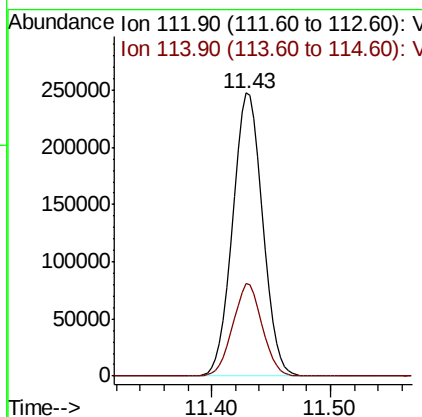
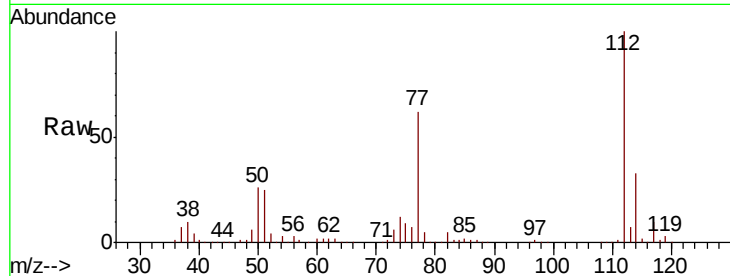
#65
Chlorobenzene
Concen: 49.786 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 432799
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

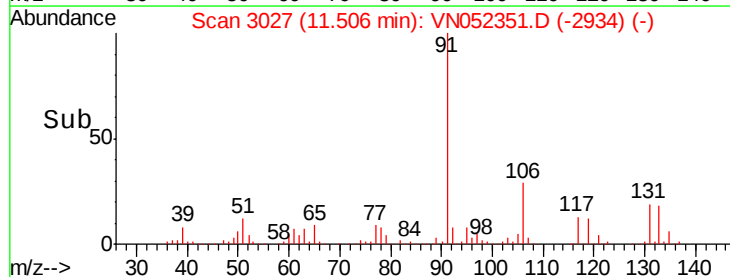
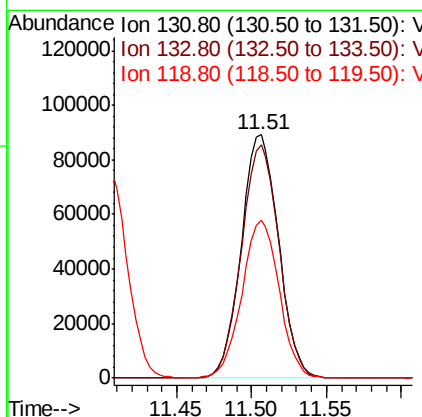
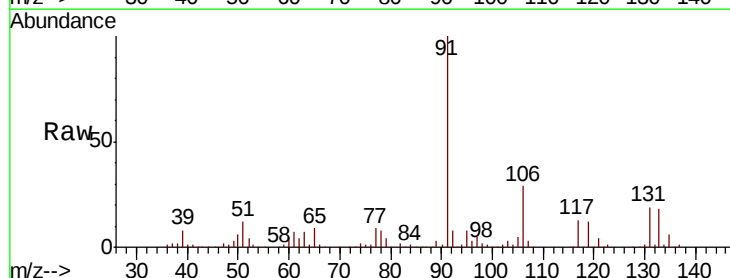
Manual Integrations
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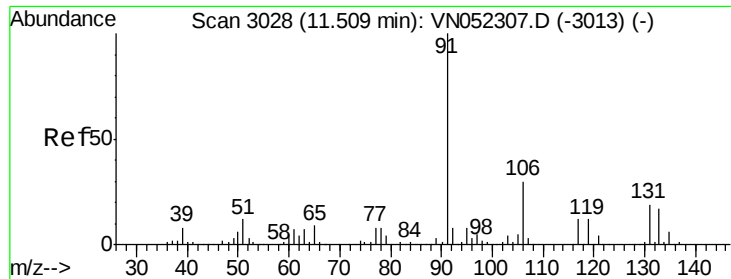
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.149 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:131 Resp: 154591
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 64.8 33.3 99.9





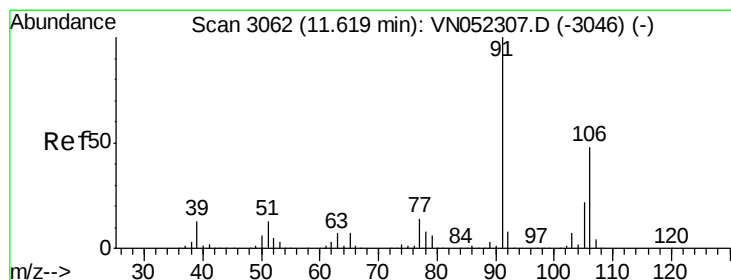
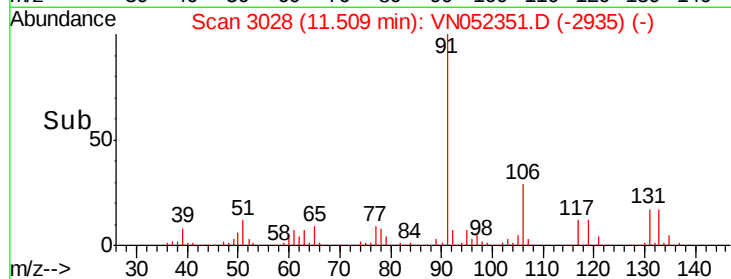
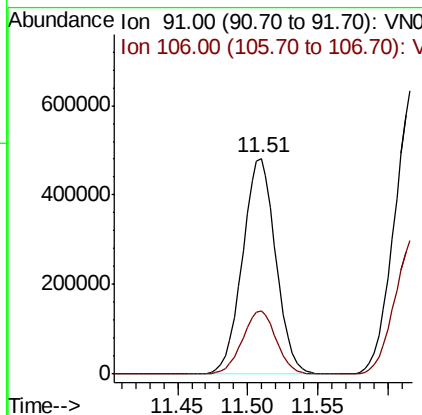
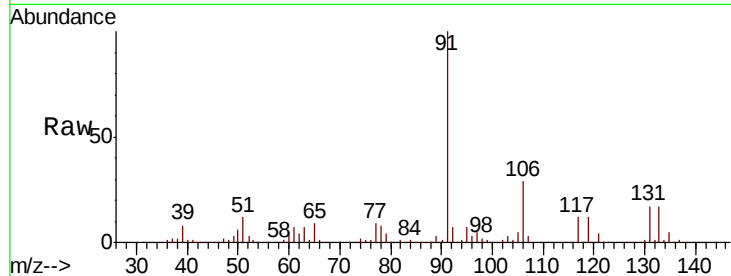
#67
Ethyl Benzene
Concen: 52.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 793304
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.2

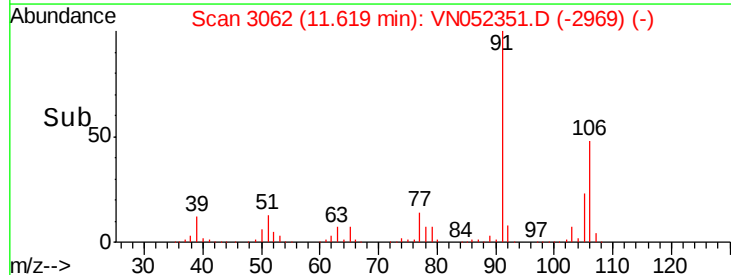
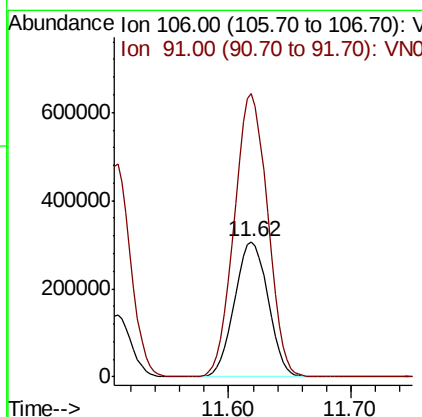
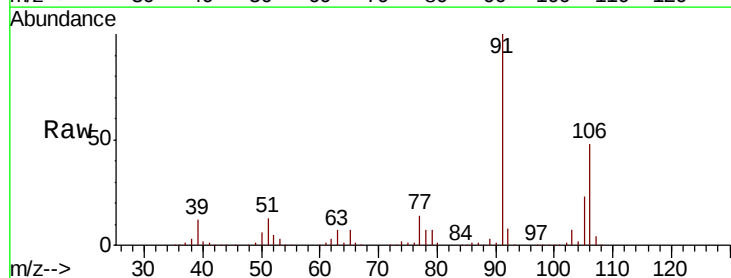
Manual Integrations
APPROVED

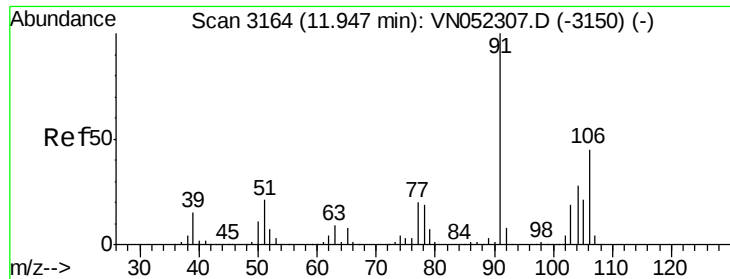
MMDadoda
11/19/2018 12:45:36 PM



#68
m/p-Xylenes
Concen: 105.978 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 106 Resp: 584234
Ion Ratio Lower Upper
106 100
91 208.4 165.5 248.3





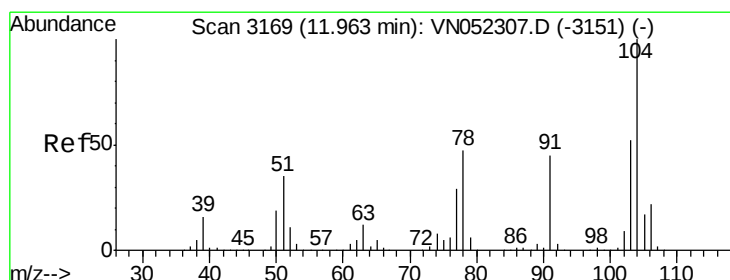
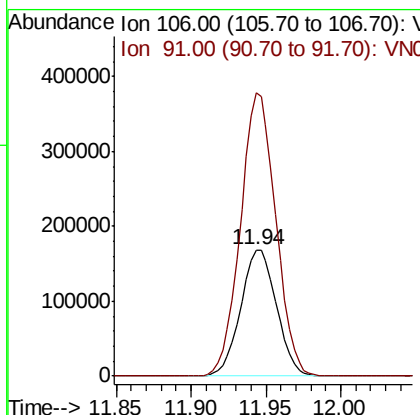
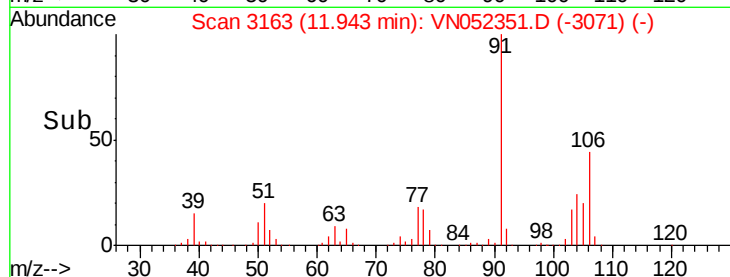
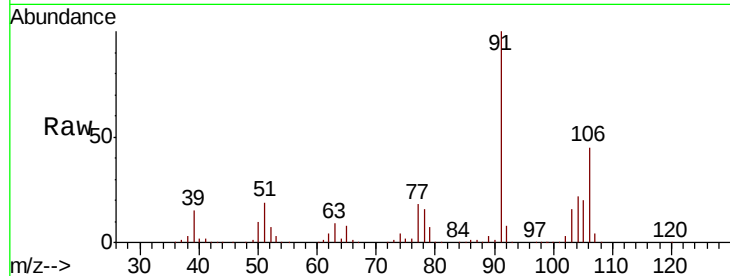
#69
o-Xylene
Concen: 53.057 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 280376
Ion Ratio Lower Upper
106 100
91 221.6 110.0 330.0

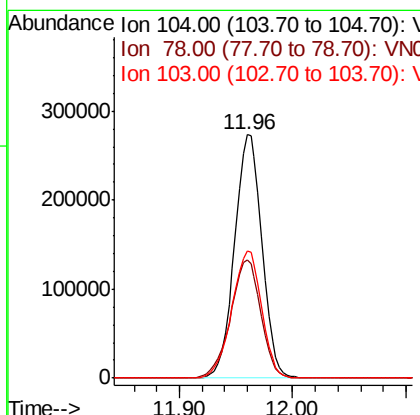
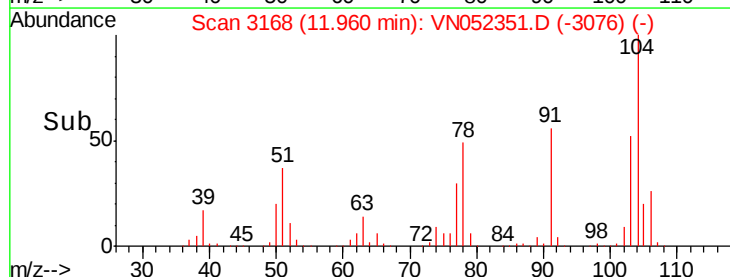
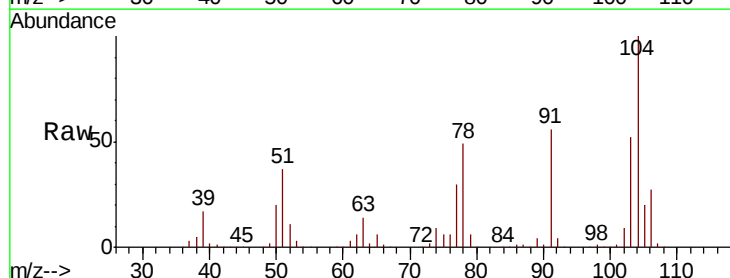
Manual Integrations
APPROVED

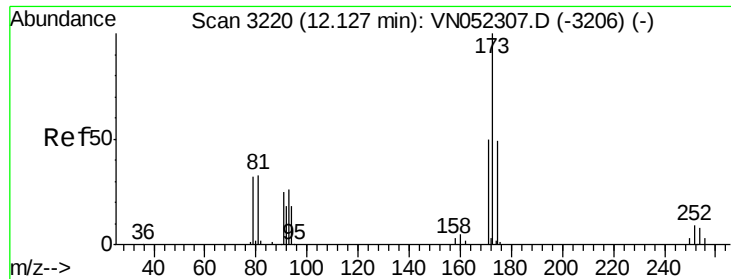
MMDadoda
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#70
Styrene
Concen: 54.431 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:104 Resp: 460565
Ion Ratio Lower Upper
104 100
78 53.6 42.7 64.1
103 56.9 45.4 68.0





#71

Bromoform

Concen: 51.949 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

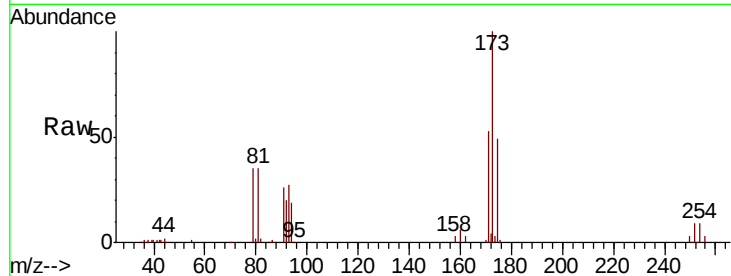
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	25.0	75.0
254	0.0	0.0	0.0

Manual Integrations
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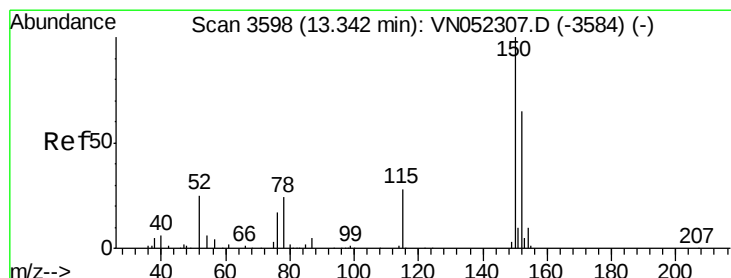
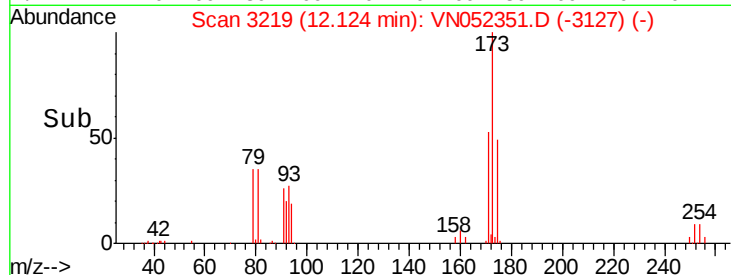
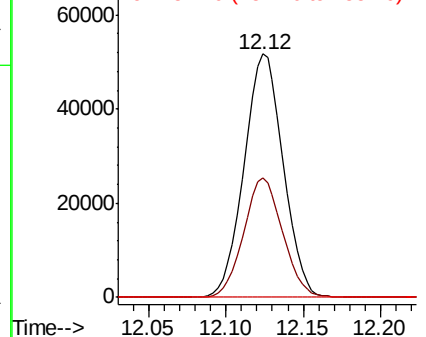


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

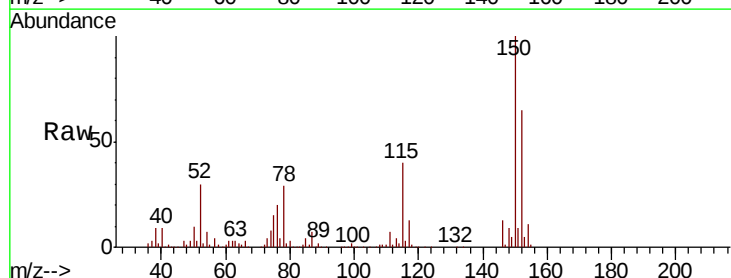
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.3	91.0
150	173.5	0.0	348.2

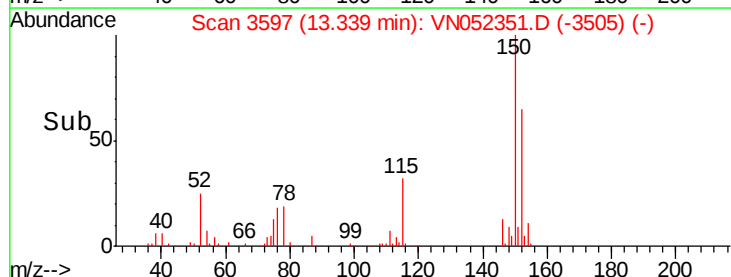
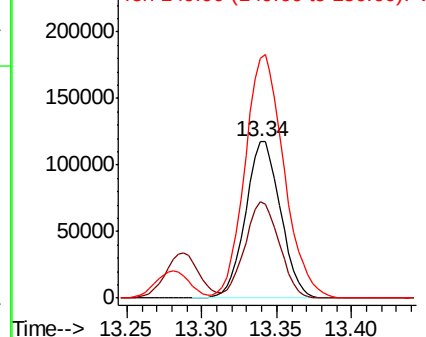


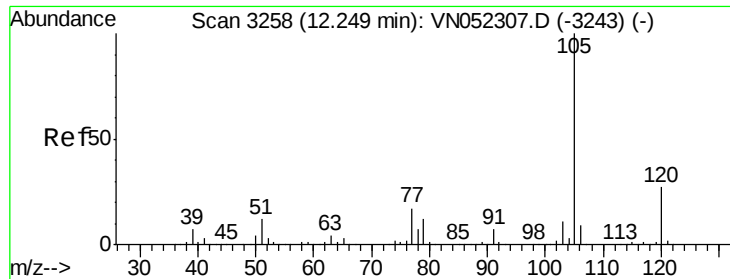
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.585 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 779308

Ion Ratio Lower Upper

105 100

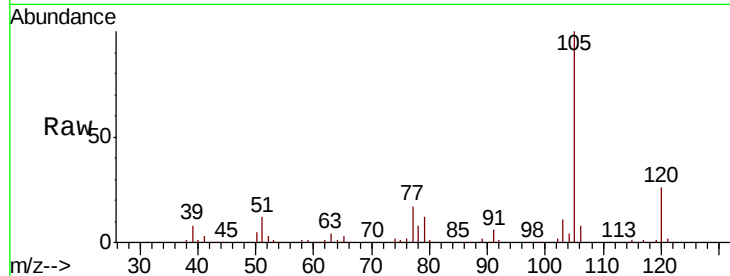
120 25.8 13.4 40.1

Manual Integrations

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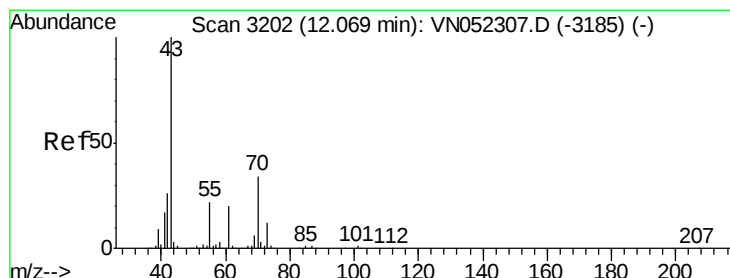
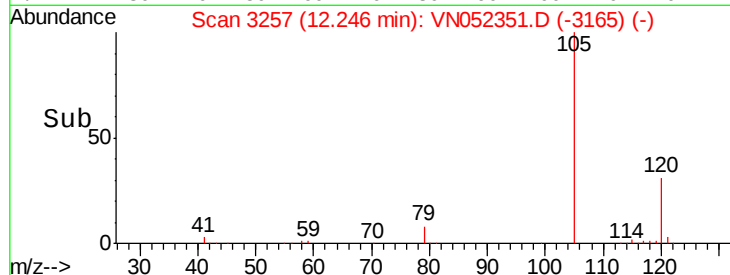
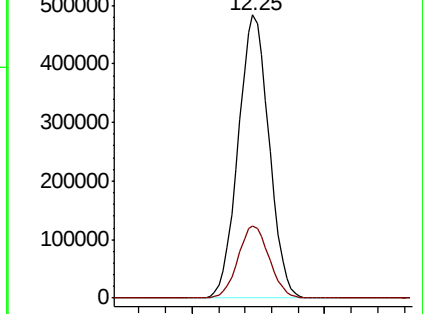
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.520 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion: 43 Resp: 255267

Ion Ratio Lower Upper

43 100

70 34.2 27.1 40.7

55 22.6 17.4 26.0

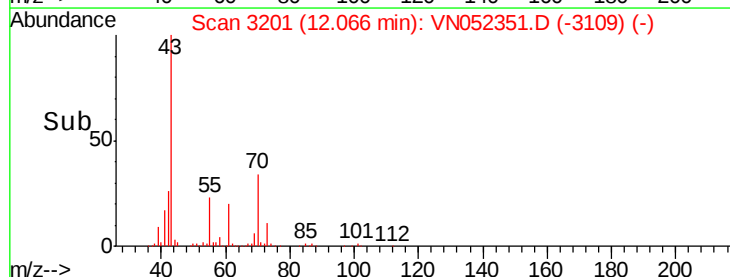
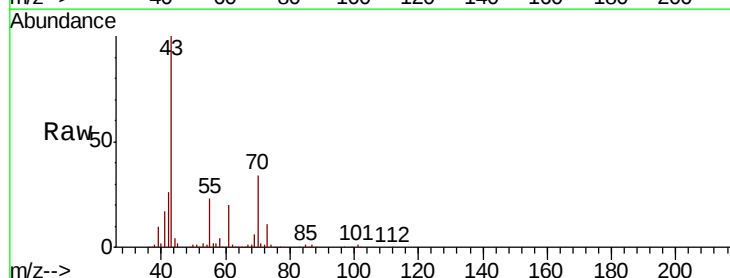
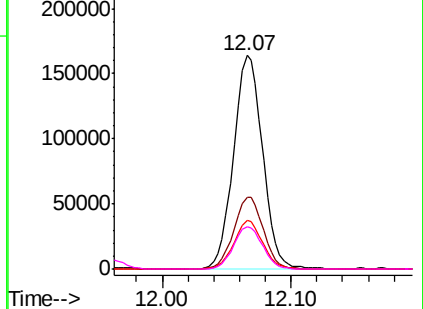
61 19.9 16.1 24.1

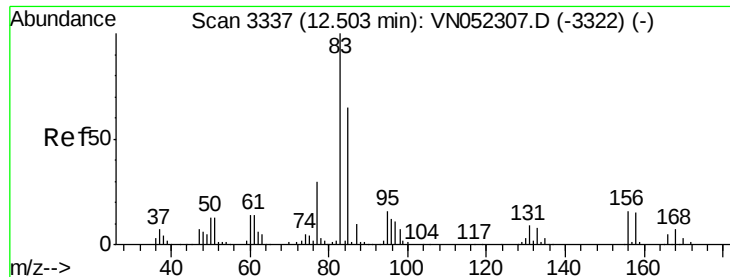
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.597 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 158639

Ion Ratio Lower Upper

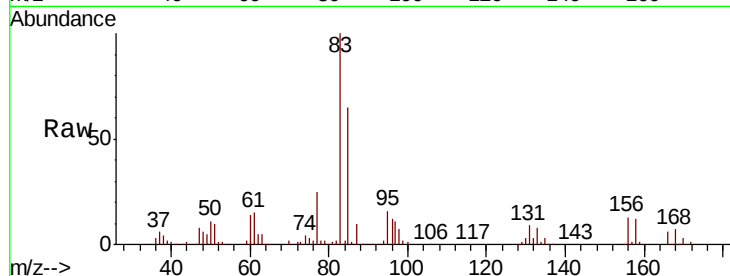
83 100

131 9.8 4.7 14.1

85 64.7 32.4 97.2

Manual Integrations
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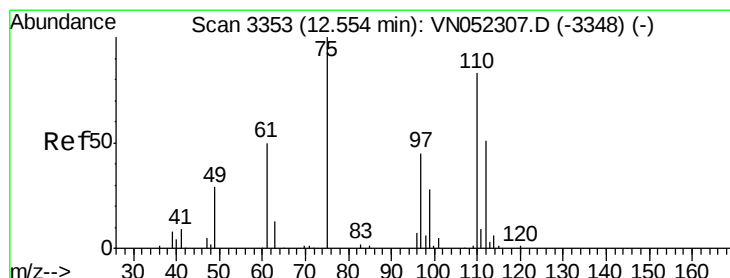
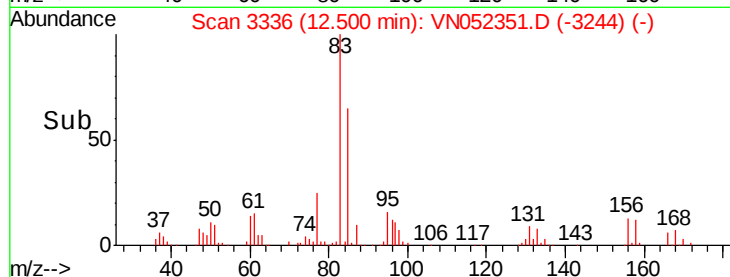
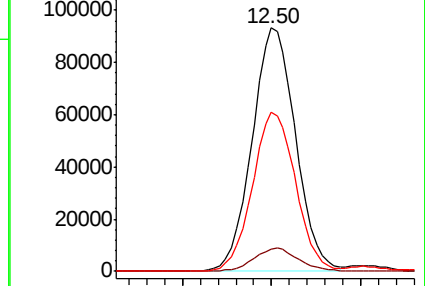
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Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 43.524 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052351.D

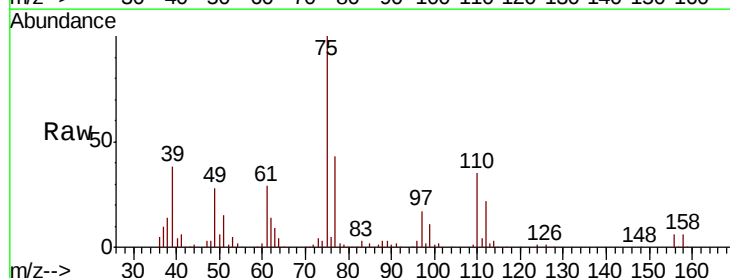
Acq: 16 Nov 2018 8:16

Tgt Ion: 75 Resp: 141512

Ion Ratio Lower Upper

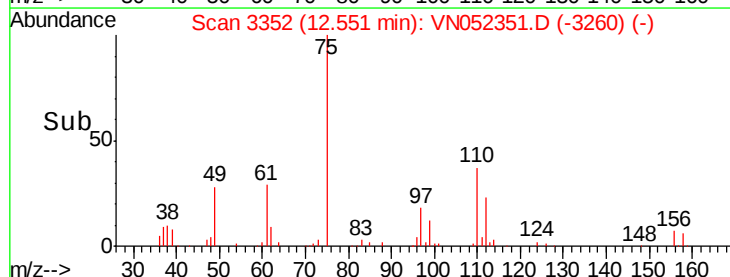
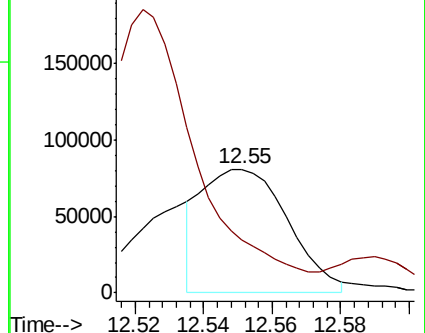
75 100

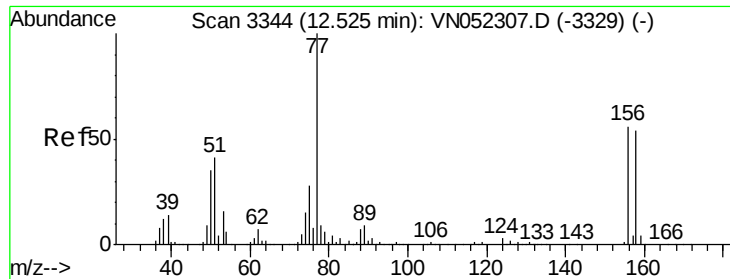
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 48.418 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

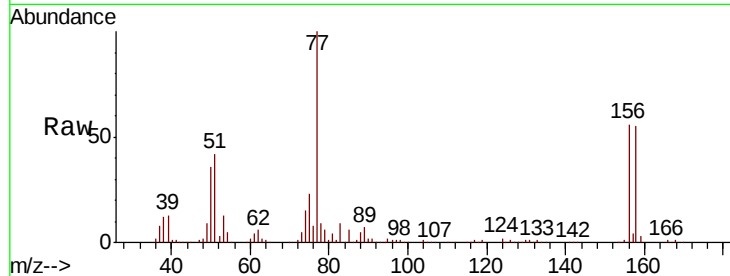
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	173559
Ion Ratio	Lower	Upper	
156	100		
77	208.1	103.6	310.9
158	97.9	48.1	144.4

Manual Integrations
APPROVED

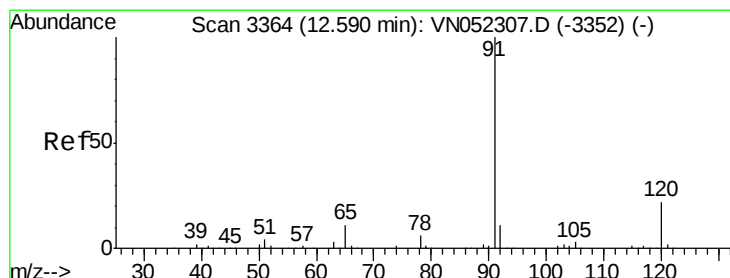
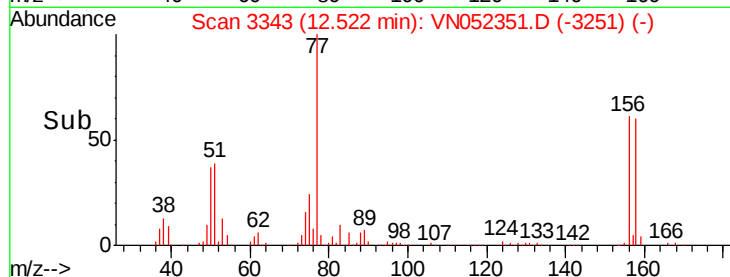
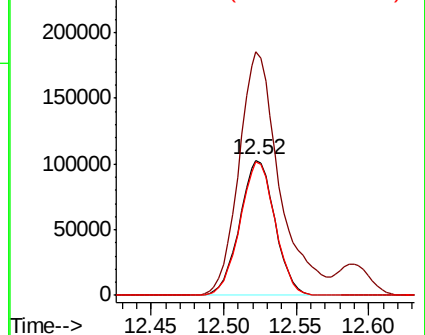
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11/19/2018 12:45:36 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.853 ug/l

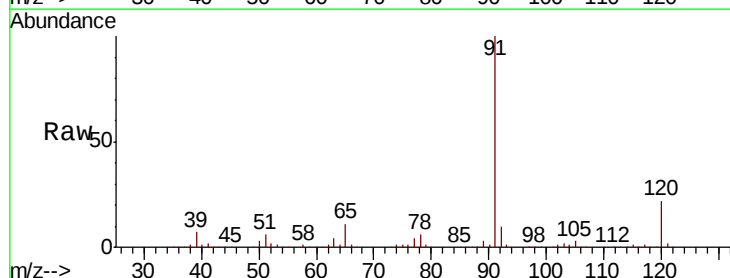
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052351.D

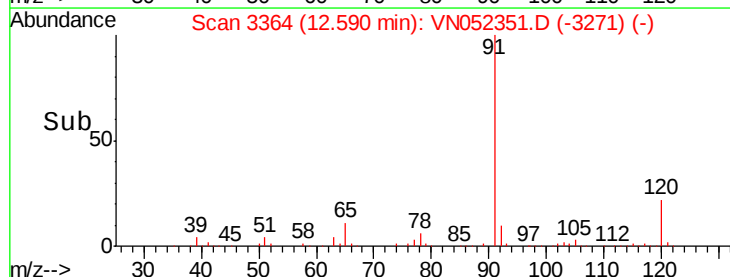
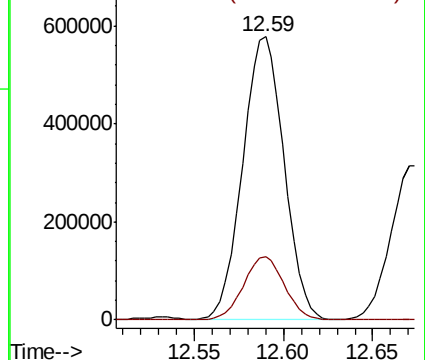
Acq: 16 Nov 2018 8:16

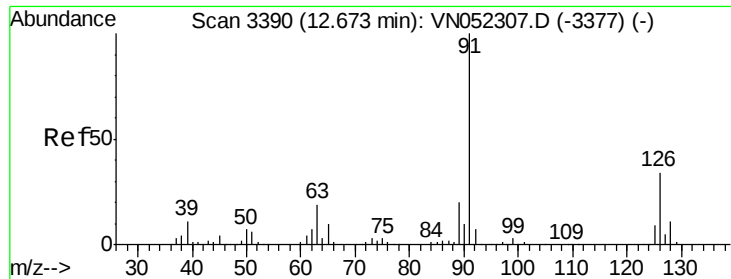
Tgt Ion:	91	Resp:	934266
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.979 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 526062

Ion Ratio Lower Upper

91 100

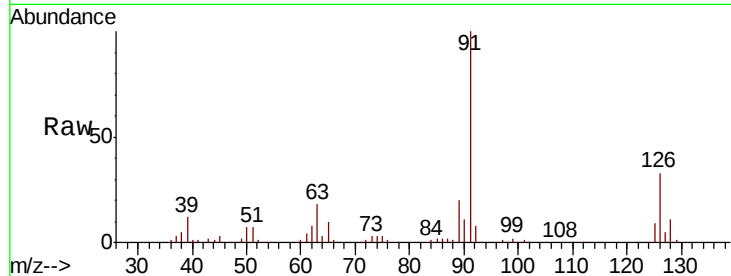
126 33.1 17.0 51.0

Manual Integrations

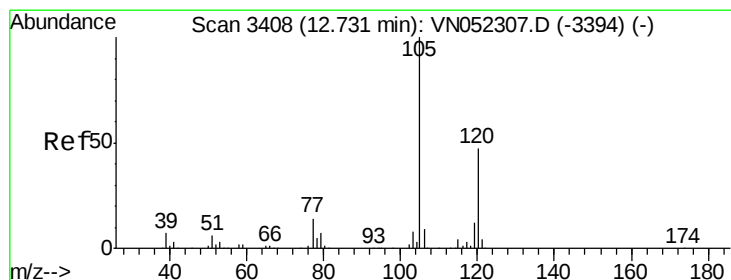
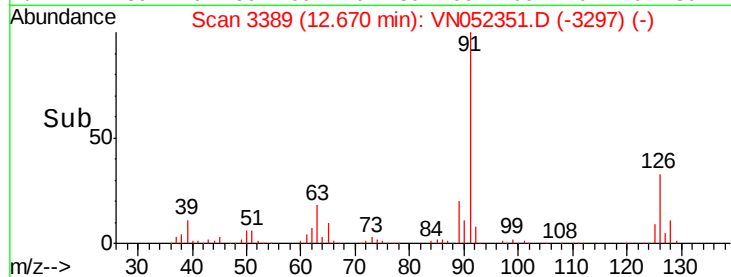
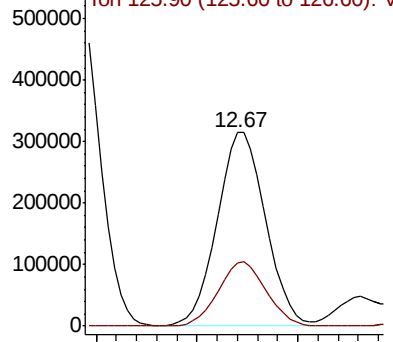
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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.990 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052351.D

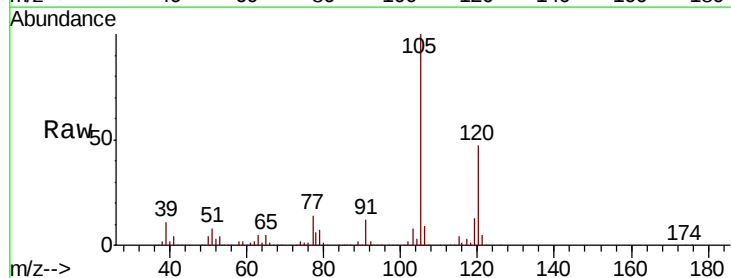
Acq: 16 Nov 2018 8:16

Tgt Ion: 105 Resp: 636948

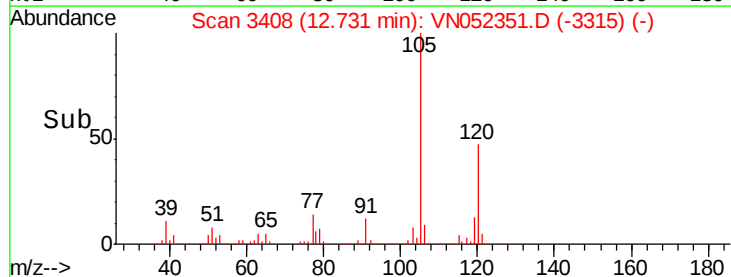
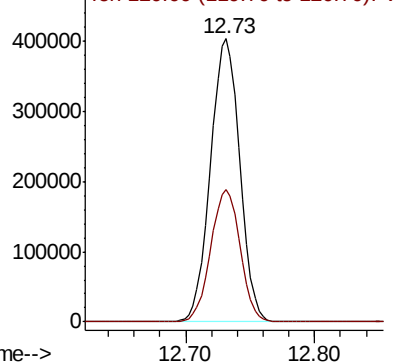
Ion Ratio Lower Upper

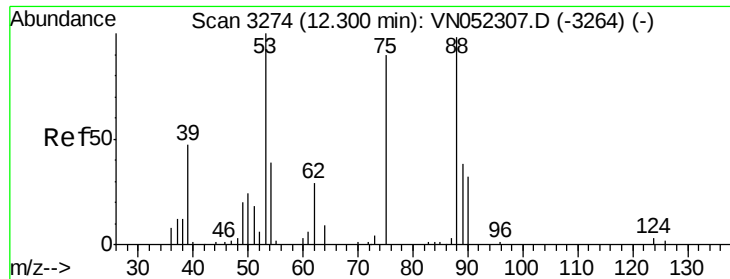
105 100

120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.201 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

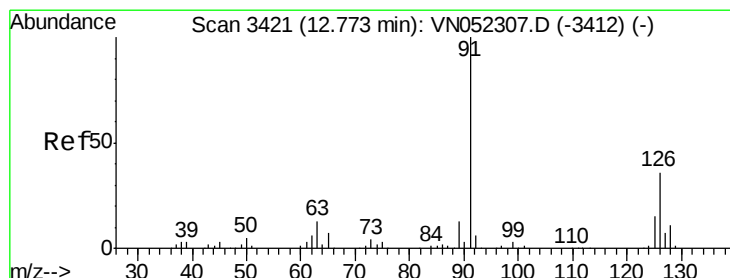
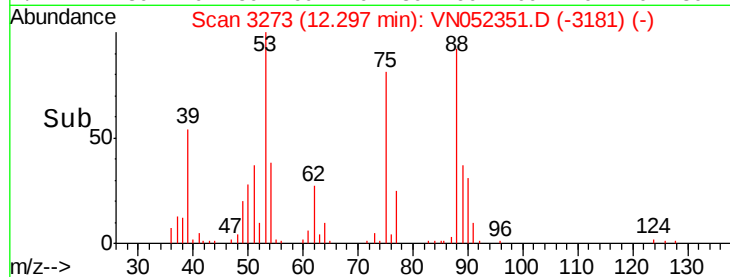
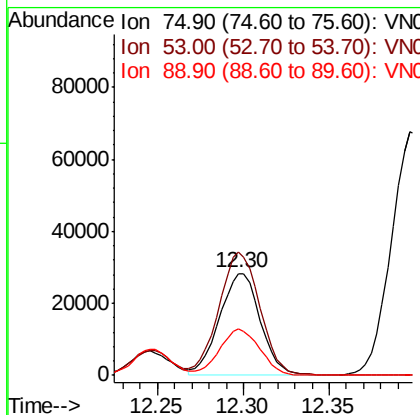
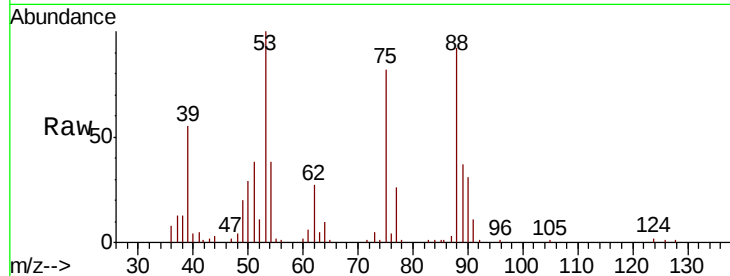
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	47317
Ion Ratio	Lower	Upper	
75	100		
53	121.4	90.2	135.2
89	44.1	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.035 ug/l

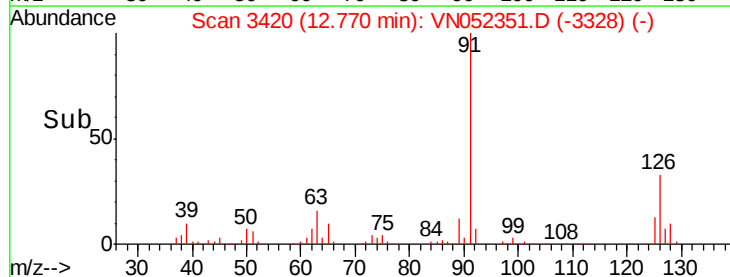
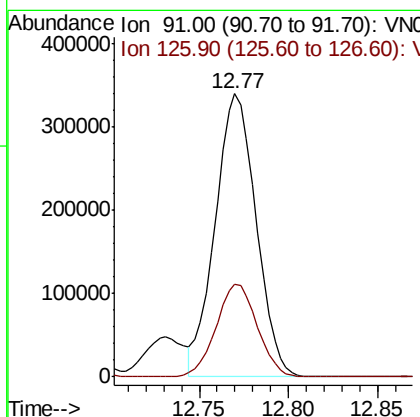
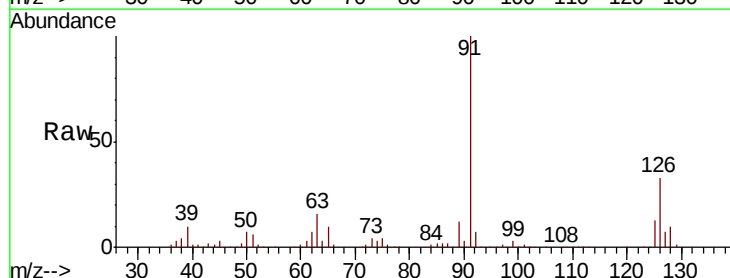
RT: 12.77 min Scan# 3420

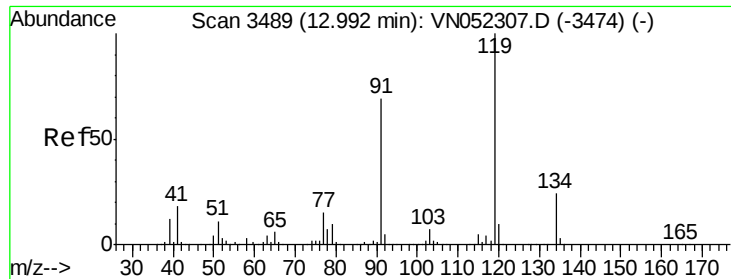
Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion:	91	Resp:	539559
Ion Ratio	Lower	Upper	
91	100		
126	33.0	17.0	50.9





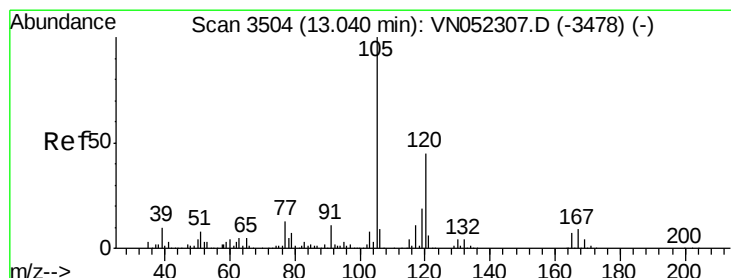
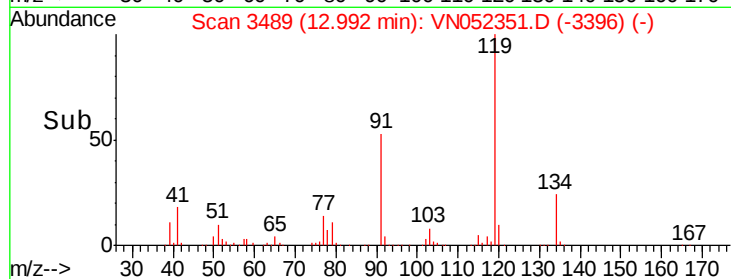
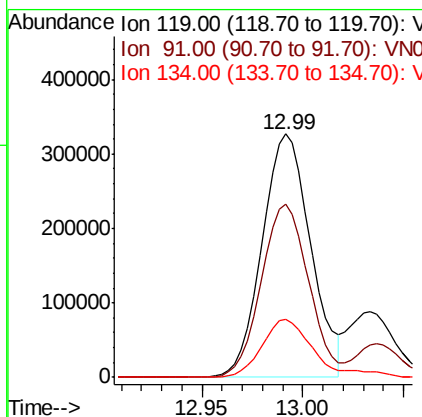
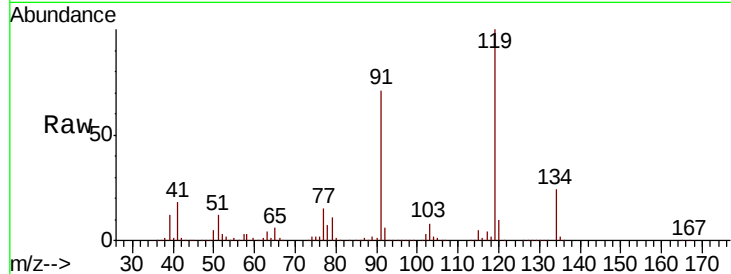
#83
tert-Butylbenzene
Concen: 50.634 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.8	101.3
134	25.6	11.9	35.9

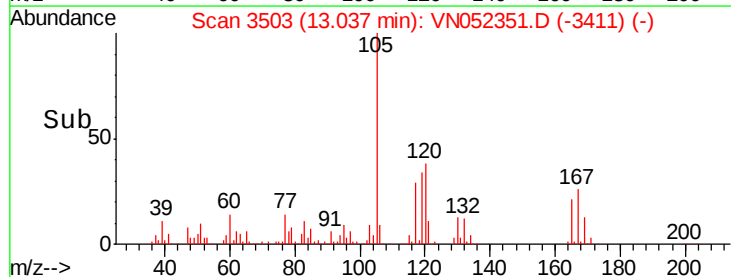
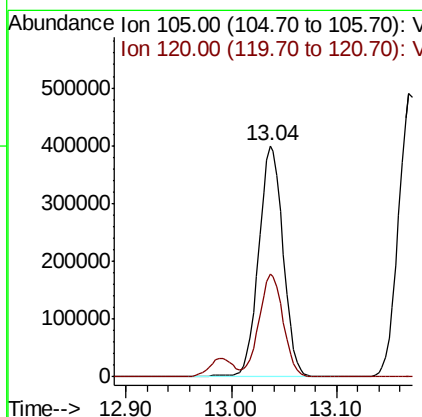
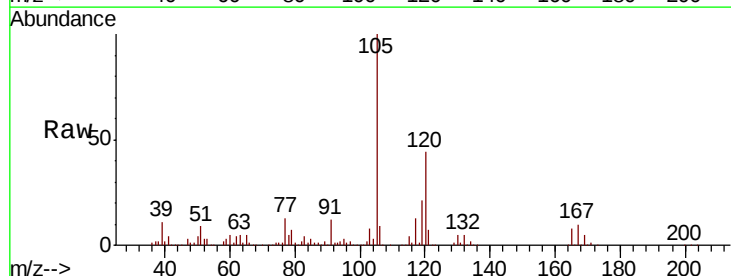
Manual Integrations
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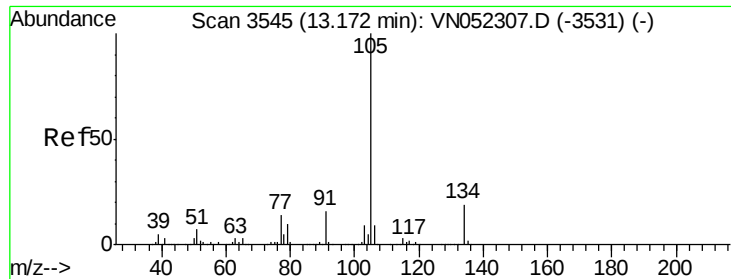
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#84
1,2,4-Trimethylbenzene
Concen: 52.463 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.5	67.5





#85

sec-Butylbenzene

Concen: 52.236 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 769641

Ion Ratio Lower Upper

105 100

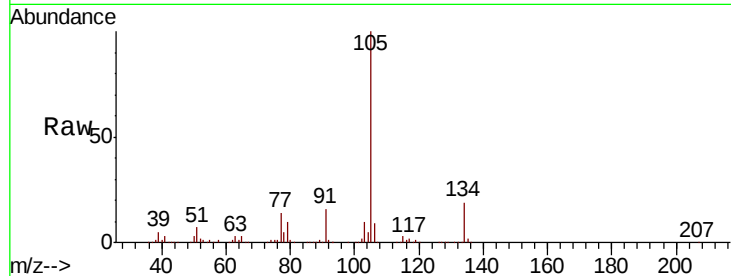
134 19.2 9.5 28.5

Manual Integrations

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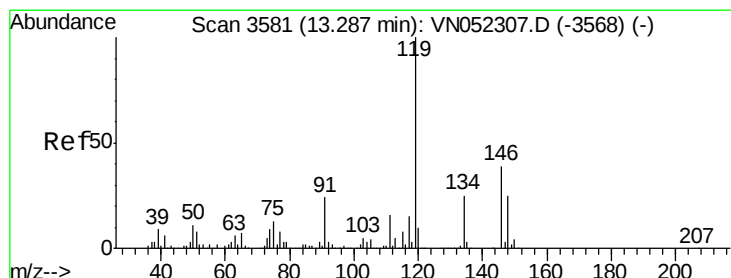
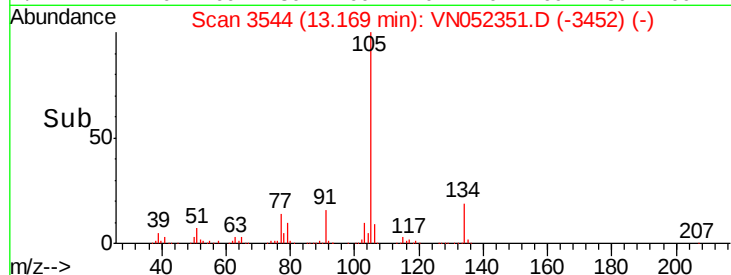
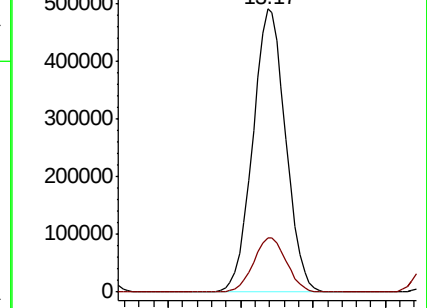
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.720 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

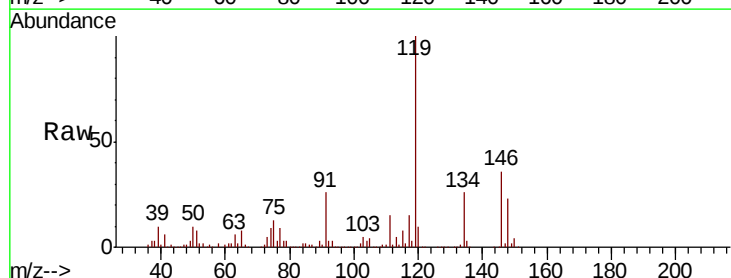
Tgt Ion:119 Resp: 657986

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

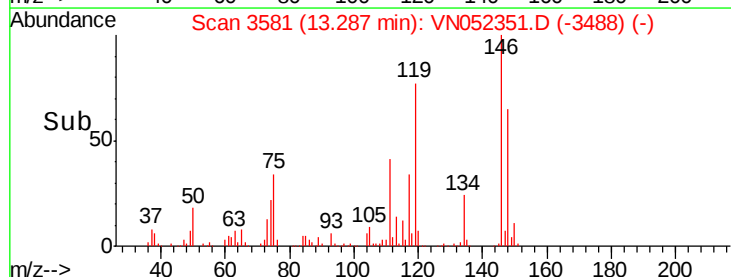
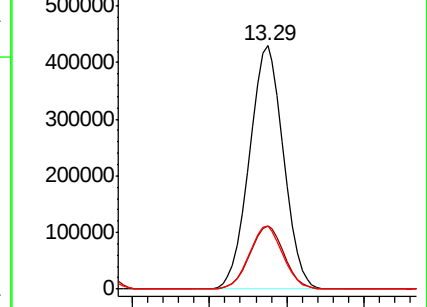
91 25.5 12.4 37.0

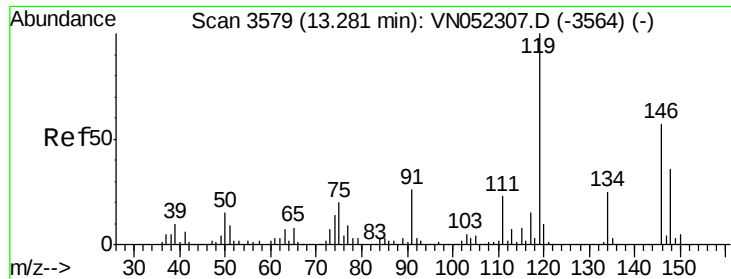


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





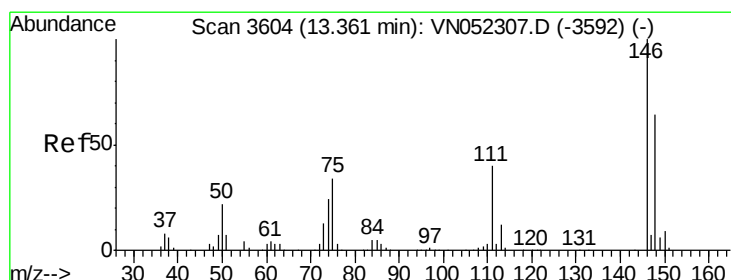
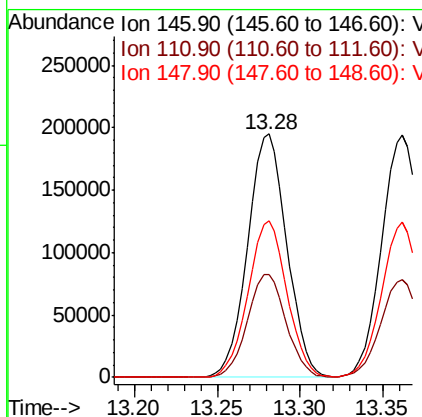
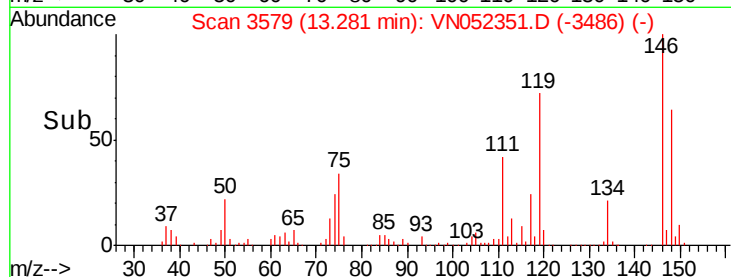
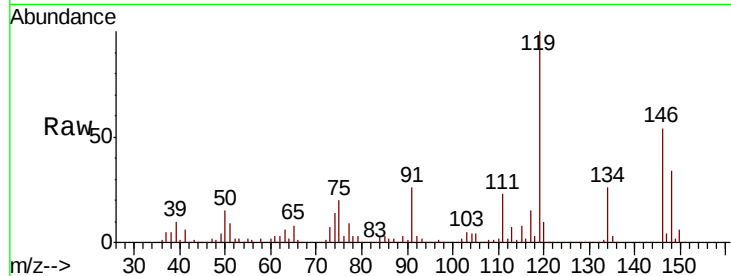
#87
 1,3-Dichlorobenzene
 Concen: 50.225 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319745		
111	41.8	20.3	61.0	
148	63.7	31.8	95.4	

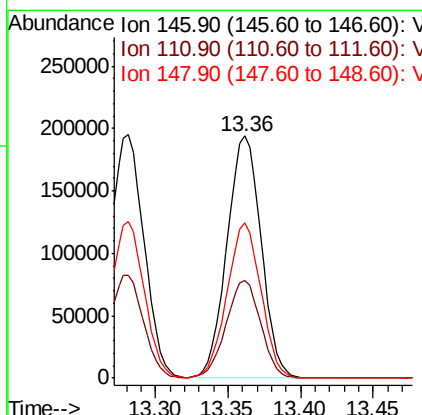
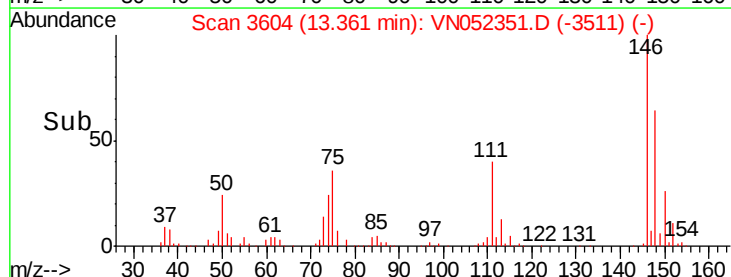
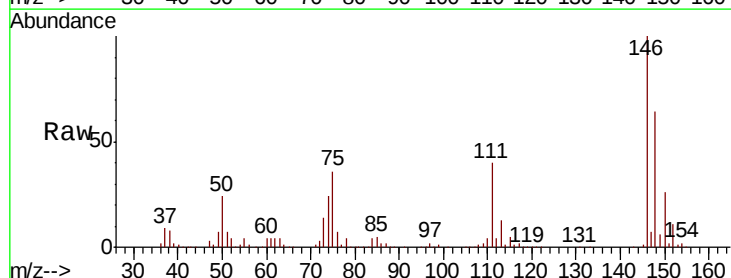
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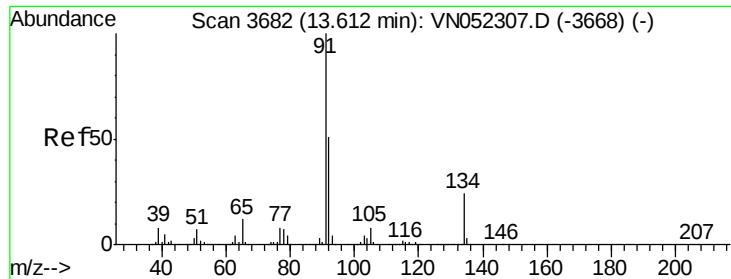
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#88
 1,4-Dichlorobenzene
 Concen: 50.115 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317194		
111	40.7	20.6	61.8	
148	63.6	32.4	97.2	





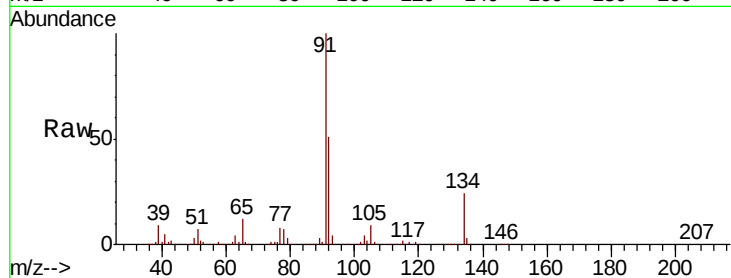
#89
n-Butylbenzene
Concen: 55.764 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.4	76.2
134	24.4	12.2	36.4

Manual Integrations
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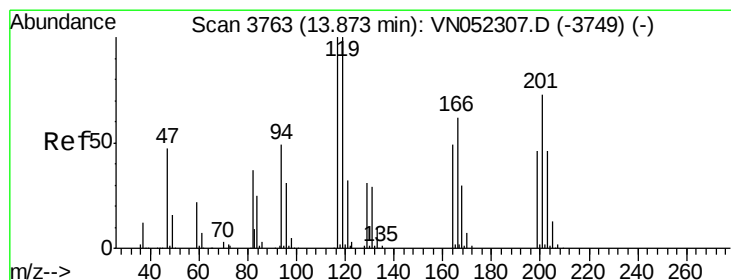
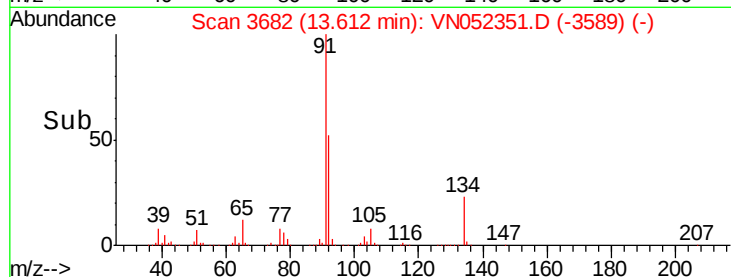
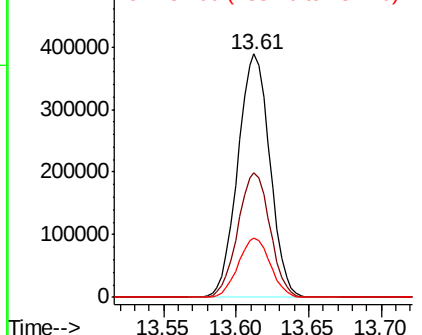


Abundance

Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

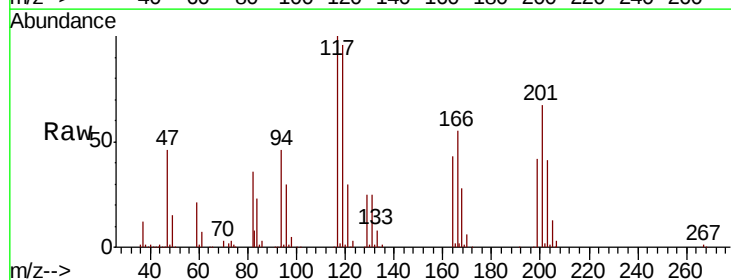
Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90
Hexachloroethane
Concen: 53.779 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

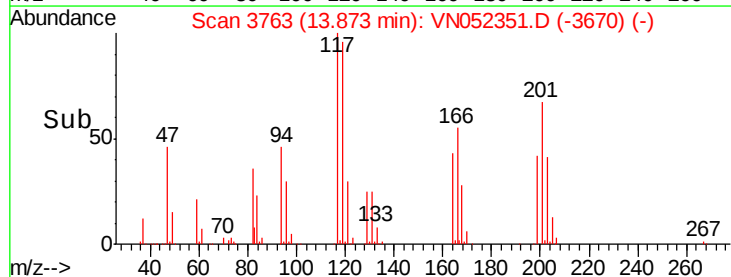
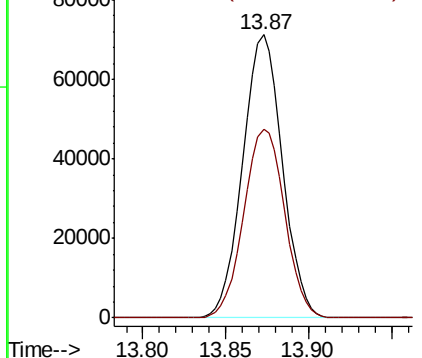
Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.3	105.9

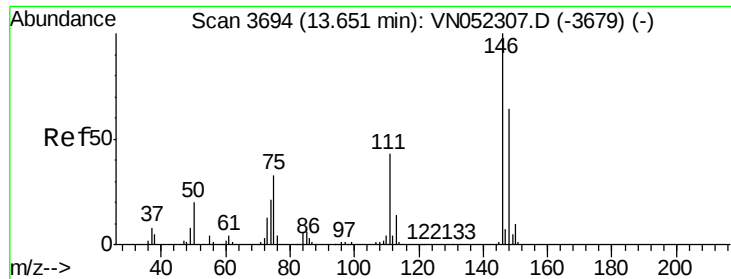


Abundance

Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)





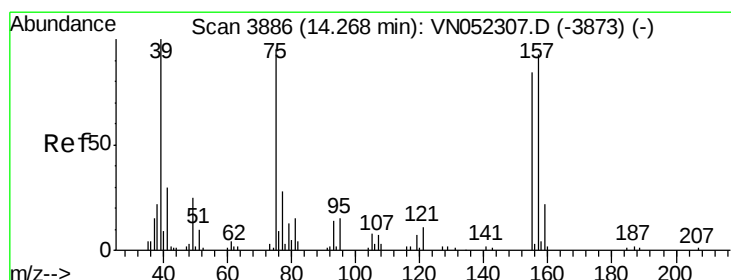
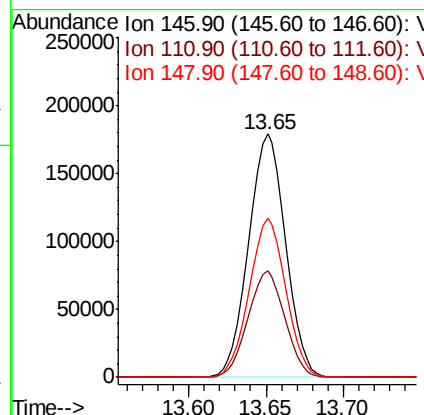
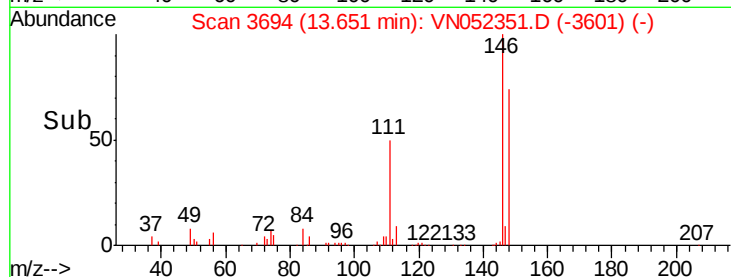
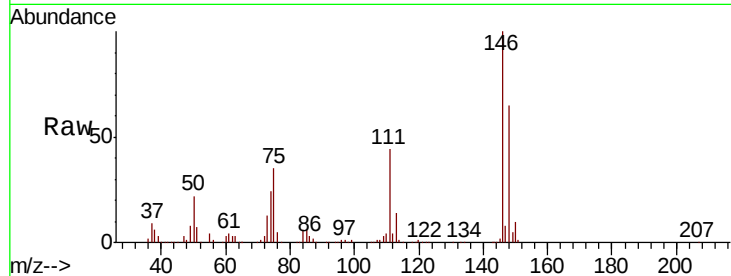
#91
 1,2-Dichlorobenzene
 Concen: 48.504 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299165		
111	43.4	21.3	63.9	
148	64.7	31.6	94.8	

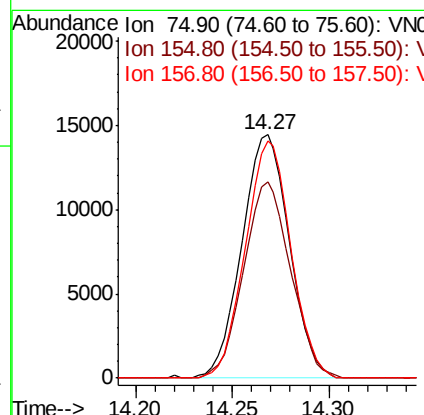
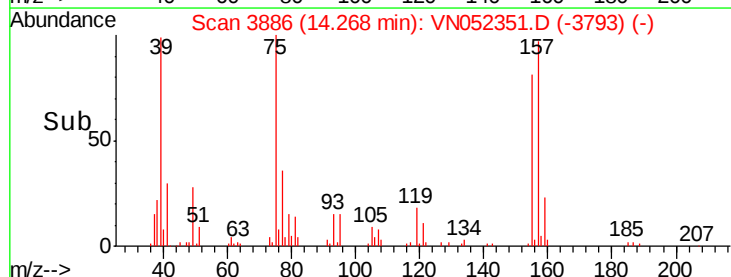
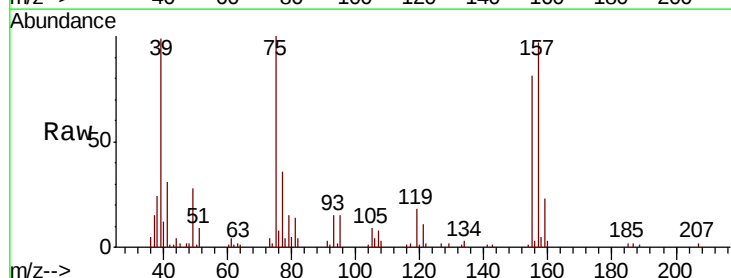
Manual Integrations
 APPROVED

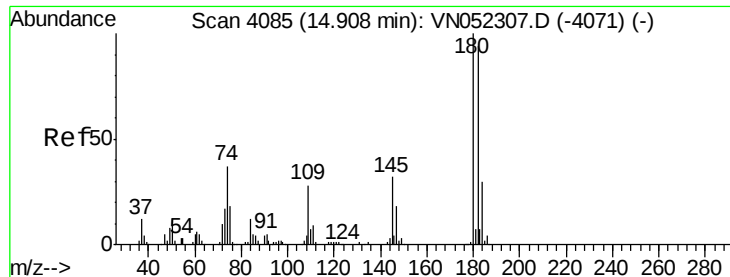
MMDadoda
 11/19/2018 12:45:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.999 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24712		
155	79.6	42.4	127.3	
157	93.1	49.6	149.0	





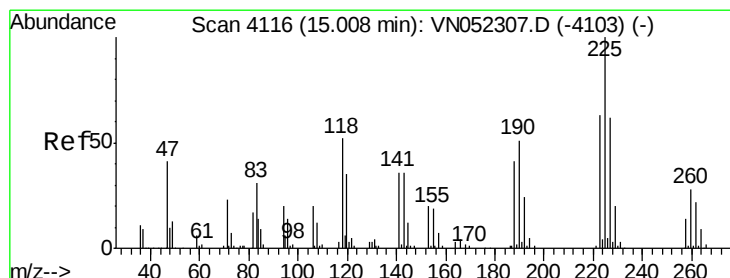
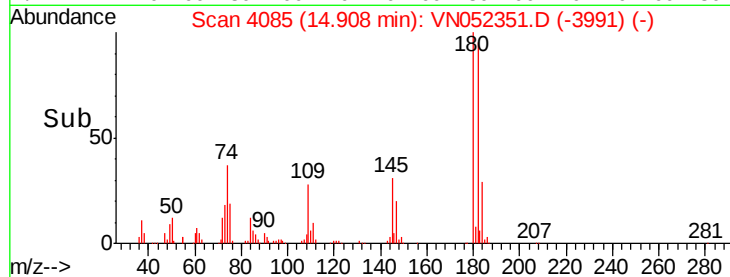
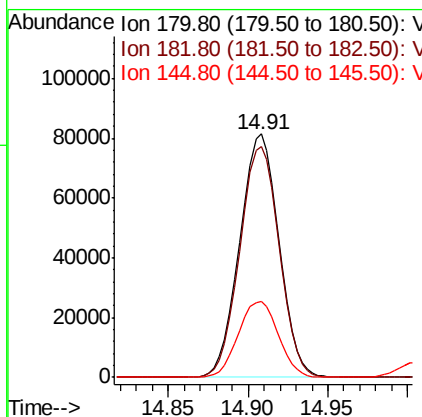
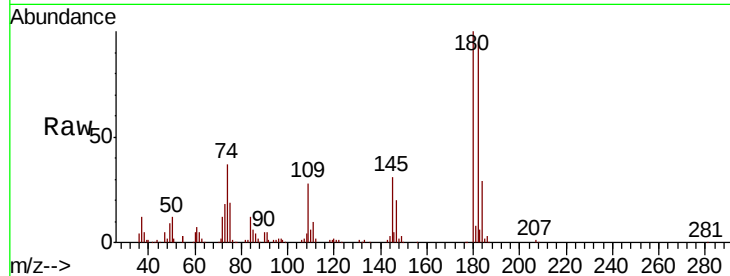
#93
 1,2,4-Trichlorobenzene
 Concen: 47.487 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.9
145	31.8	15.5	46.5

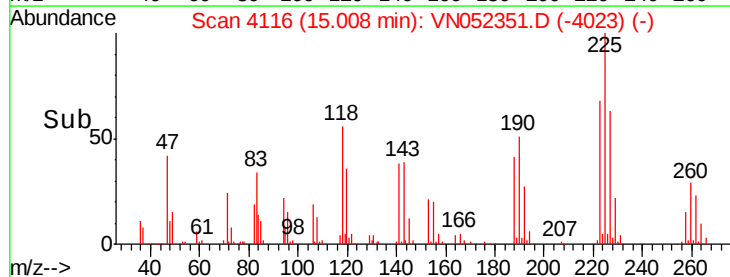
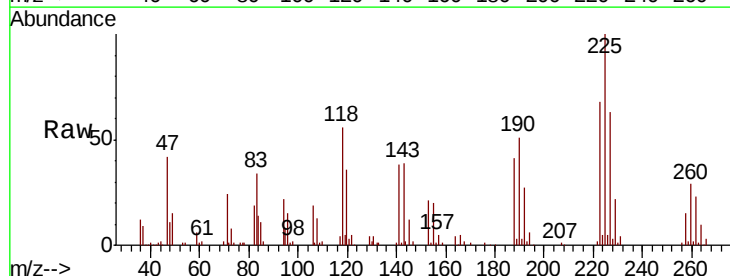
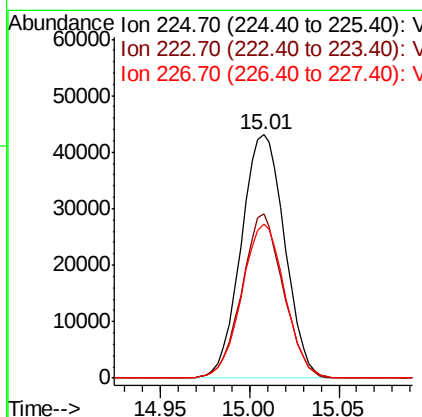
Manual Integrations
 APPROVED

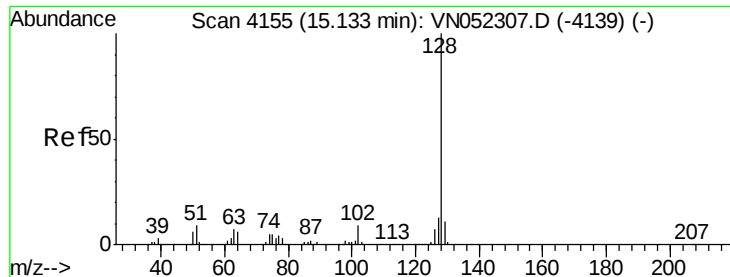
MMDadoda
 11/19/2018 12:45:36 PM



#94
 Hexachlorobutadiene
 Concen: 52.041 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.5
227	62.8	31.6	95.0





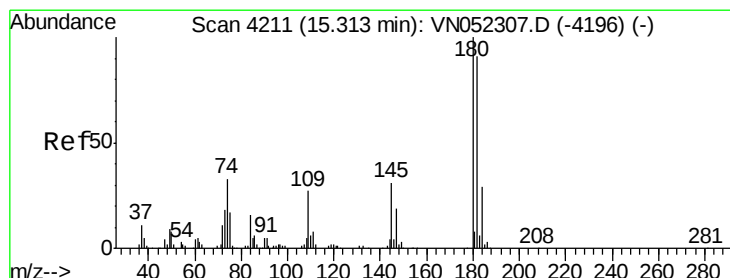
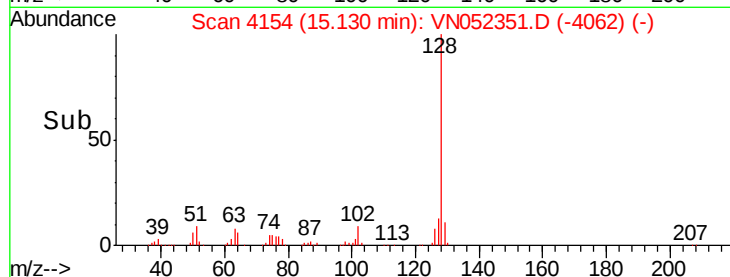
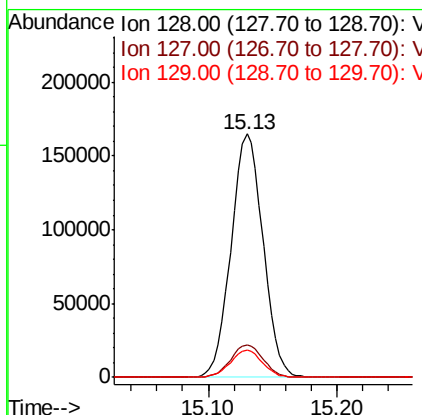
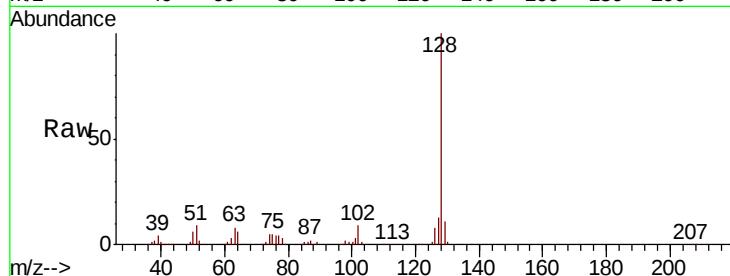
#95
Naphthalene
Concen: 42.272 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:45:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.283 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.5	139.3
145	32.7	16.4	49.2

