

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052102.D
 Acq On : 1 Nov 2018 14:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:31 AM

Quant Time: Nov 02 07:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222445	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	
35) Dibromofluoromethane	7.59	113	191949	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	730497	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.40	95	258871	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	206309	49.888	ug/l	100
3) Chloromethane	2.06	50	235330	45.151	ug/l	97
4) Vinyl Chloride	2.19	62	238131	42.449	ug/l	95
5) Bromomethane	2.57	94	160684	38.184	ug/l	96
6) Chloroethane	2.71	64	147899	40.834	ug/l	97
7) Trichlorofluoromethane	3.02	101	316092	49.339	ug/l	99
8) Diethyl Ether	3.42	74	112511	47.079	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186967	49.469	ug/l	95
10) Methyl Iodide	3.96	142	252848	51.049	ug/l	100
11) Tert butyl alcohol	4.78	59	65670	240.202	ug/l #	94
12) 1,1-Dichloroethene	3.74	96	172626	48.366	ug/l	91
13) Acrolein	3.61	56	52512	196.642	ug/l	97
14) Allyl chloride	4.33	41	316457	44.304	ug/l	98
15) Acrylonitrile	4.99	53	350734	224.405	ug/l	99
16) Acetone	3.82	43	271909	233.325	ug/l	100
17) Carbon Disulfide	4.06	76	501141	44.559	ug/l	98
18) Methyl Acetate	4.33	43	160052	43.142	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	529710	45.184	ug/l	97
20) Methylene Chloride	4.56	84	211333	47.592	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	196435	48.267	ug/l	92
22) Diisopropyl ether	5.95	45	671100	43.468	ug/l	99
23) Vinyl Acetate	5.90	43	2405319	224.857	ug/l	96
24) 1,1-Dichloroethane	5.85	63	374935	43.431	ug/l	98
25) 2-Butanone	6.84	43	428406	234.378	ug/l	98
26) 2,2-Dichloropropane	6.83	77	286432	41.777	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	231481	47.627	ug/l	93
28) Bromochloromethane	7.20	49	171396	40.062	ug/l #	86
29) Tetrahydrofuran	7.21	42	284143	233.337	ug/l	98
30) Chloroform	7.37	83	385127	44.693	ug/l	94
31) Cyclohexane	7.66	56	349919	43.343	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	334915	48.327	ug/l	97
36) 1,1-Dichloropropene	7.79	75	292633	46.732	ug/l	95
37) Ethyl Acetate	6.93	43	190662	45.489	ug/l	98
38) Carbon Tetrachloride	7.78	117	291210	53.934	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358025	48.179	ug/l	98
40) Benzene	8.04	78	867497	47.894	ug/l	97
41) Methacrylonitrile	7.18	41	99418m	45.977	ug/l	
42) 1,2-Dichloroethane	8.13	62	286209	42.819	ug/l	97
43) Isopropyl Acetate	8.17	43	344752	46.246	ug/l #	88
44) Trichloroethene	8.84	130	215096	53.101	ug/l	89
45) 1,2-Dichloropropane	9.12	63	230239	44.623	ug/l	99
46) Dibromomethane	9.21	93	141698	49.137	ug/l #	91
47) Bromodichloromethane	9.40	83	293906	48.867	ug/l #	93
48) Methyl methacrylate	9.20	41	175488	46.431	ug/l	98
49) 1,4-Dioxane	9.20	88	37163	1168.313	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	982748	242.542	ug/l	100
52) Toluene	10.16	92	536248	49.045	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	295536	46.478	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	340397	48.203	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	194594	49.970	ug/l	96
56) Ethyl methacrylate	10.43	69	264015	47.395	ug/l	98
57) 1,3-Dichloropropane	10.71	76	330107	46.069	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	701469	236.739	ug/l	95
59) 2-Hexanone	10.75	43	663295	229.717	ug/l	97
60) Dibromochloromethane	10.90	129	211456	55.156	ug/l	99
61) 1,2-Dibromoethane	11.01	107	197992	51.143	ug/l	99
64) Tetrachloroethene	10.63	164	179609	53.493	ug/l	98
65) Chlorobenzene	11.44	112	589188	50.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	209395	57.128	ug/l	99
67) Ethyl Benzene	11.51	91	1032093	49.579	ug/l	97
68) m/p-Xylenes	11.62	106	793685	106.519	ug/l	93
69) o-Xylene	11.95	106	386830	52.466	ug/l	95
70) Styrene	11.96	104	625127	52.400	ug/l	98
71) Bromoform	12.13	173	123414	52.290	ug/l #	98
73) Isopropylbenzene	12.25	105	1006360	48.777	ug/l	97
74) N-amyl acetate	12.07	43	328638	45.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	232453	46.986	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	214339m	48.531	ug/l	
77) Bromobenzene	12.53	156	235326	54.514	ug/l	83
78) n-propylbenzene	12.59	91	1169273	46.771	ug/l	96
79) 2-Chlorotoluene	12.67	91	678561	46.561	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	824891	49.132	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62144	46.703	ug/l	98
82) 4-Chlorotoluene	12.77	91	697892	46.961	ug/l	94
83) tert-Butylbenzene	12.99	119	721369	51.148	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	824037	49.310	ug/l	98
85) sec-Butylbenzene	13.17	105	973647	48.327	ug/l	97
86) p-Isopropyltoluene	13.29	119	828244	50.478	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	414615	52.666	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	409149	51.855	ug/l	96
89) n-Butylbenzene	13.62	91	710441	45.401	ug/l	96
90) Hexachloroethane	13.88	117	140538	49.979	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	395751	53.469	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33716	47.331	ug/l	79

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Manual Integrations
APPROVED

MMDadoda
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QLast Update : Wed Oct 31 02:45:22 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167235	60.678	ug/l	97
94) Hexachlorobutadiene	15.01	225	81286	52.695	ug/l	99
95) Naphthalene	15.13	128	403557	58.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	143482	60.327	ug/l	97

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

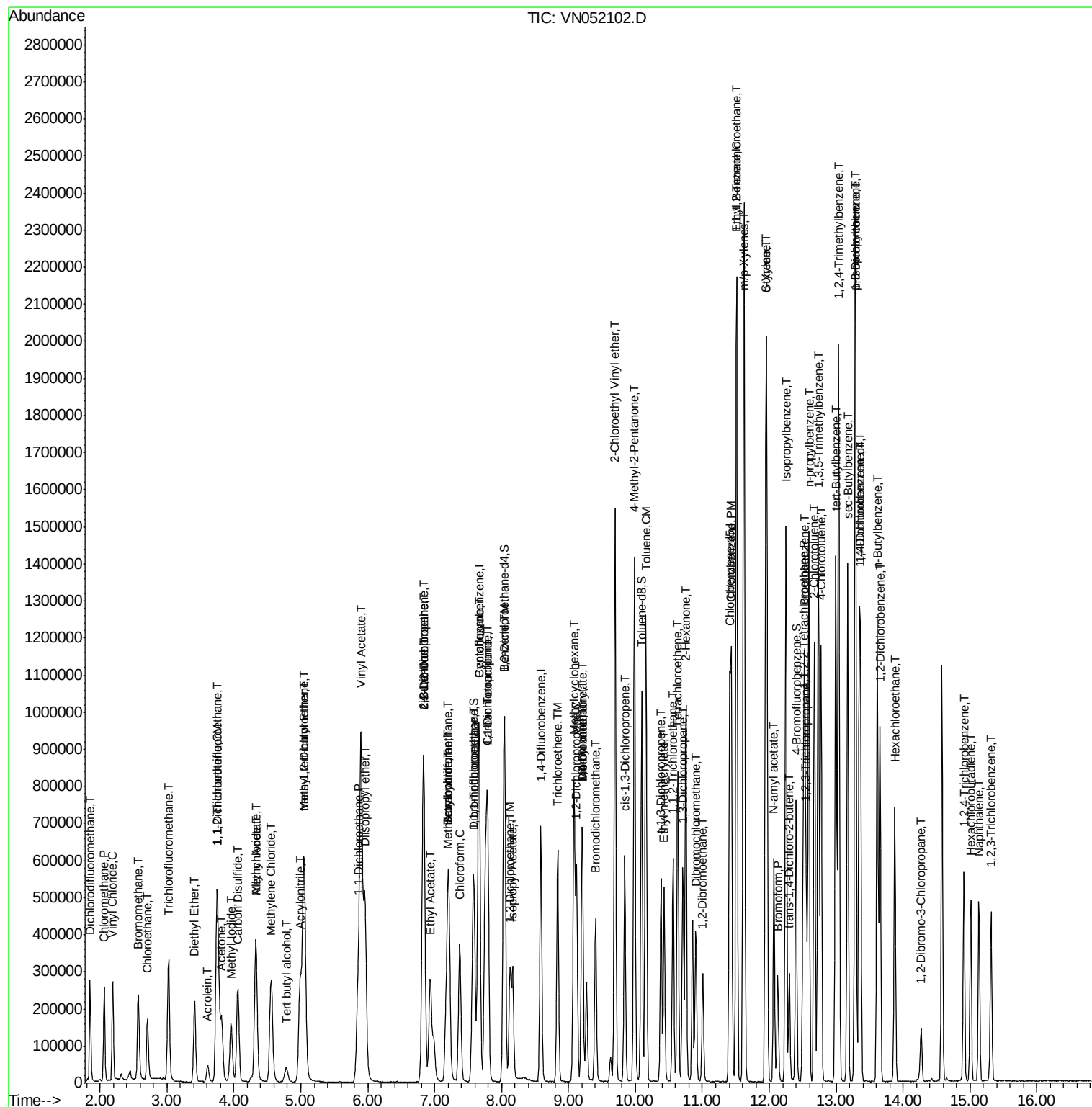
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
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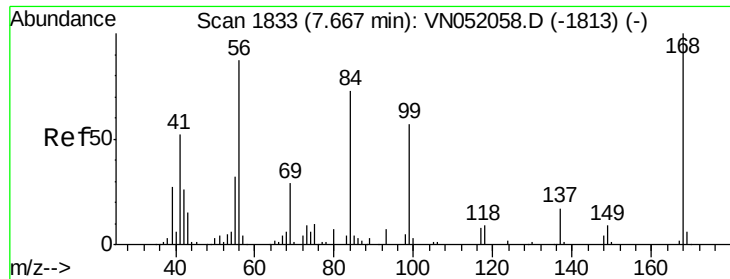
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 340223

Ion Ratio Lower Upper

168 100

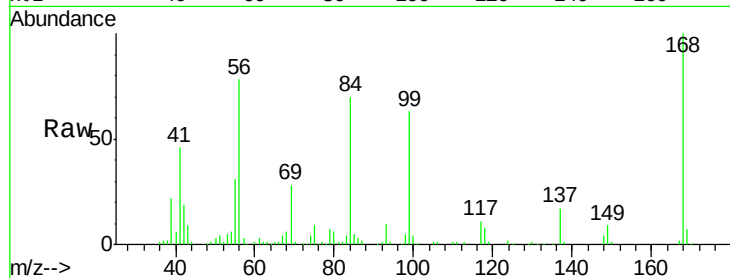
99 63.0 56.6 85.0

Manual Integrations

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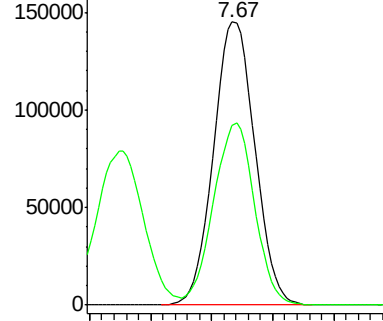
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11/2/2018 9:21:31 AM

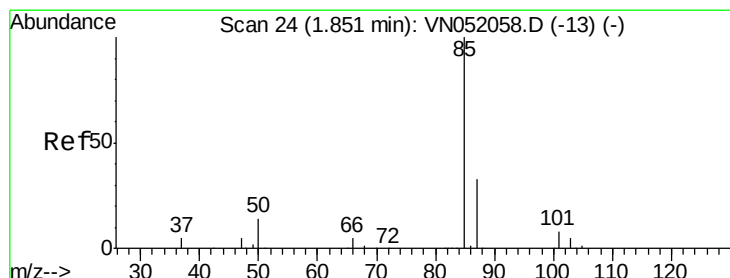
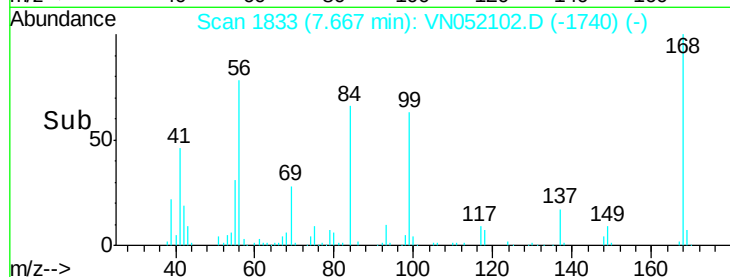


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 49.888 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052102.D

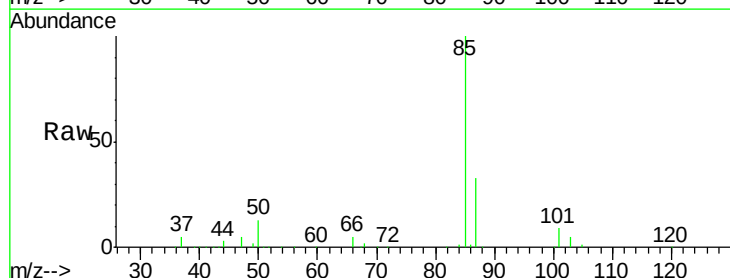
Acq: 1 Nov 2018 14:41

Tgt Ion: 85 Resp: 206309

Ion Ratio Lower Upper

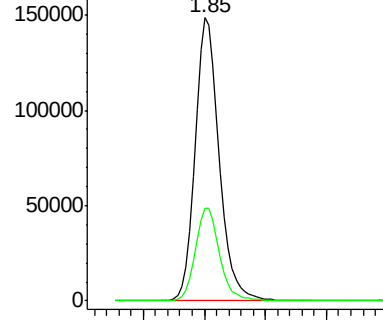
85 100

87 32.7 16.3 48.8

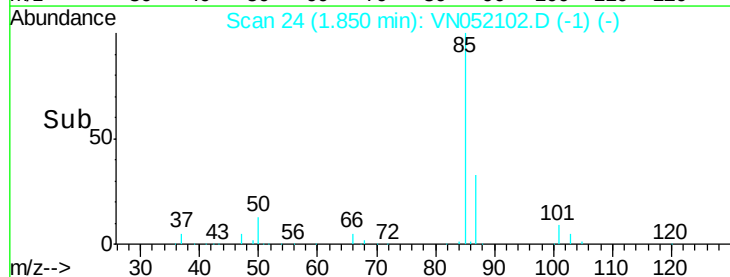


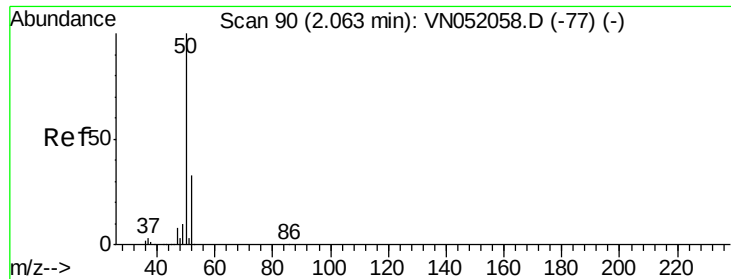
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 45.151 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion: 50 Resp: 235330

Ion Ratio Lower Upper

50 100

52 31.4 26.6 39.8

Instrument :

MSVOA_N

ClientSampleId :

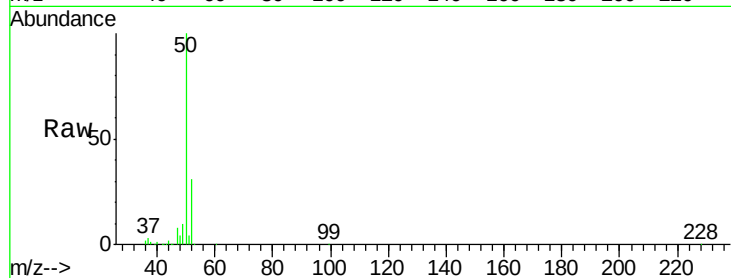
VSTDCCC050

Manual Integrations

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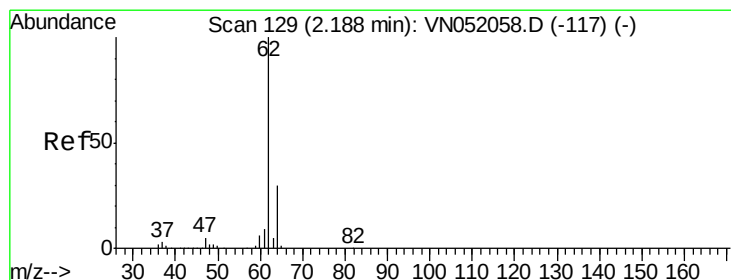
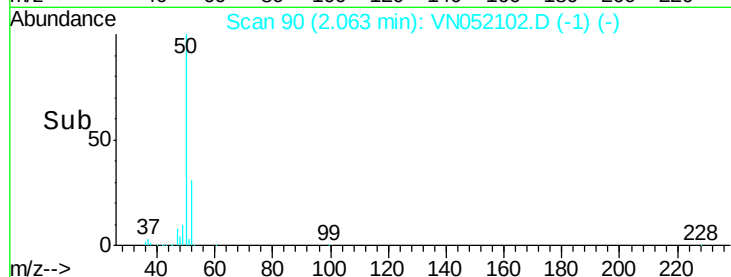
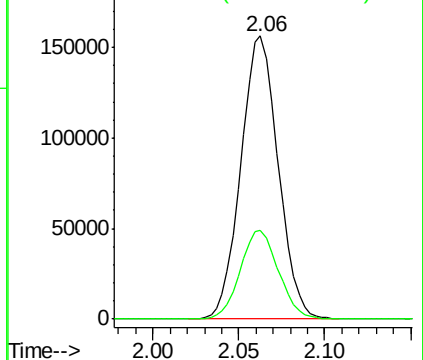
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.449 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052102.D

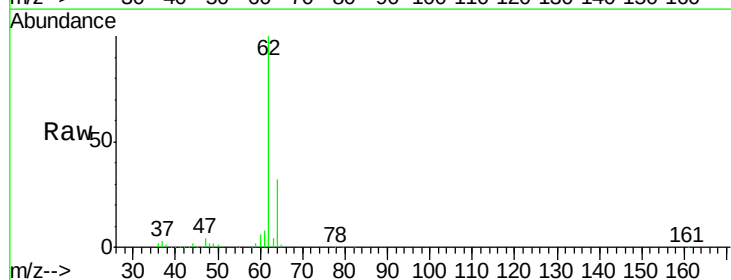
Acq: 1 Nov 2018 14:41

Tgt Ion: 62 Resp: 238131

Ion Ratio Lower Upper

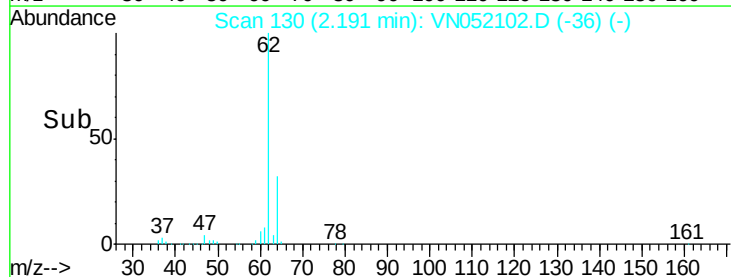
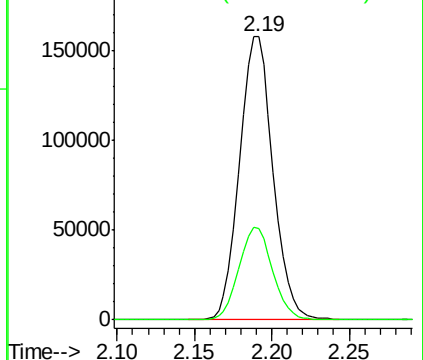
62 100

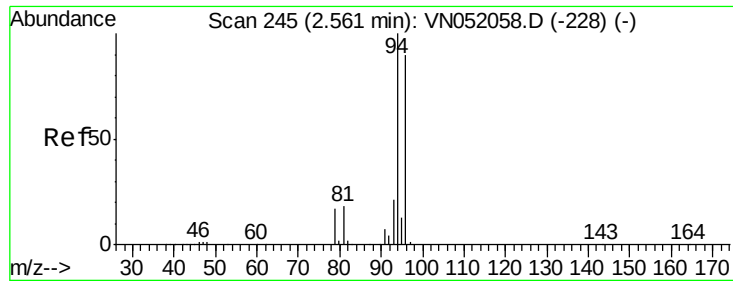
64 32.2 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 38.184 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 160684

Ion Ratio Lower Upper

94 100

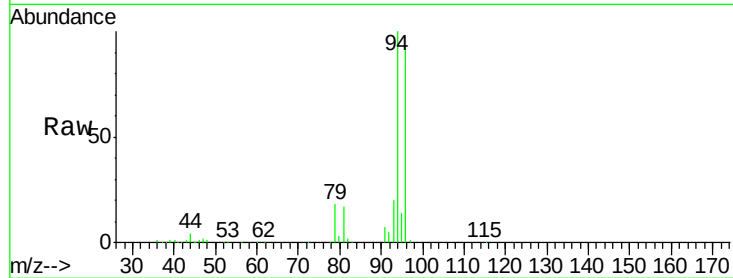
96 93.3 71.8 107.6

Manual Integrations

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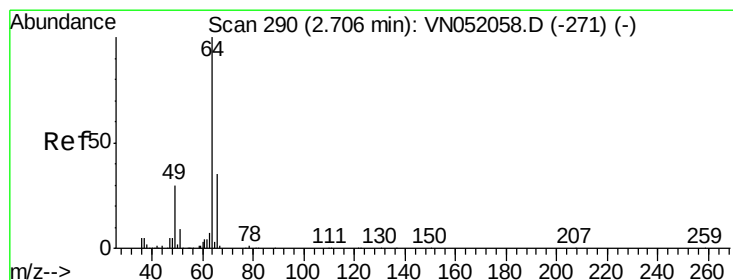
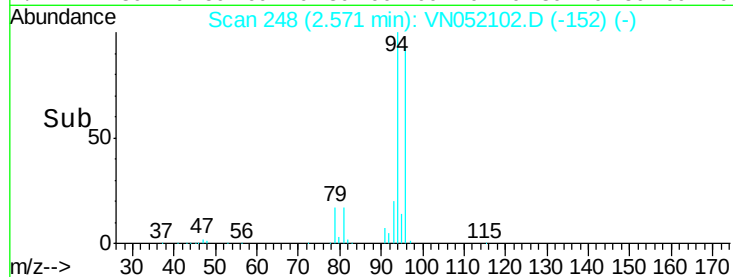
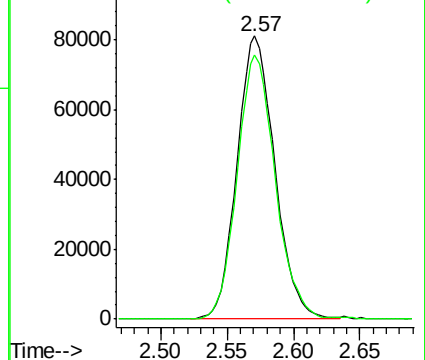
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 40.834 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052102.D

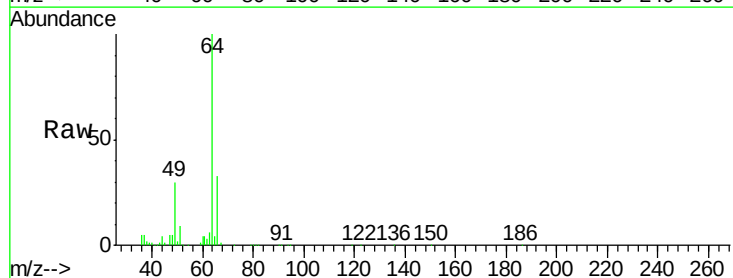
Acq: 1 Nov 2018 14:41

Tgt Ion: 64 Resp: 147899

Ion Ratio Lower Upper

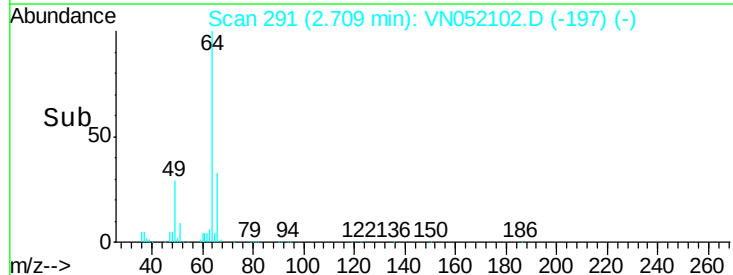
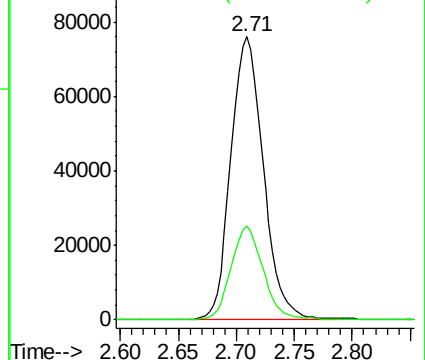
64 100

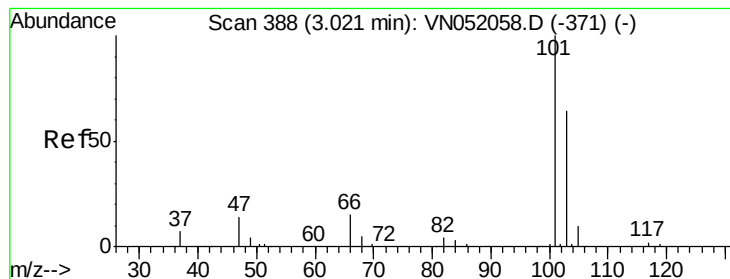
66 33.0 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

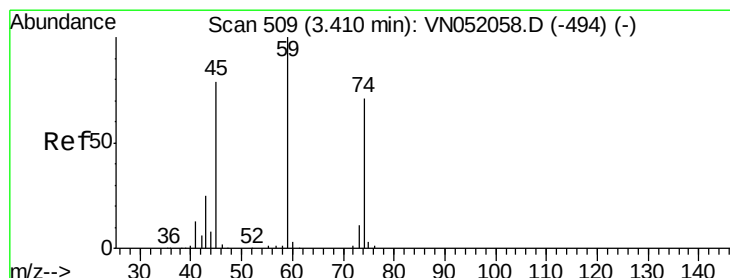
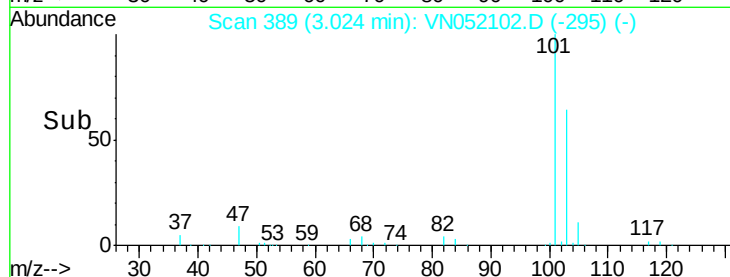
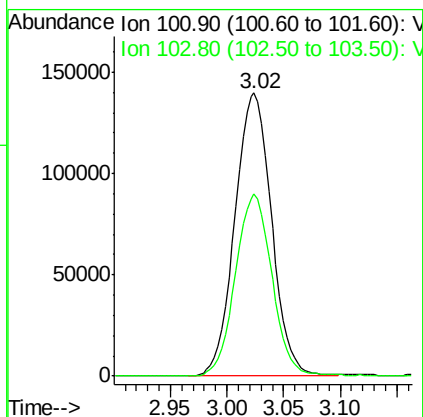
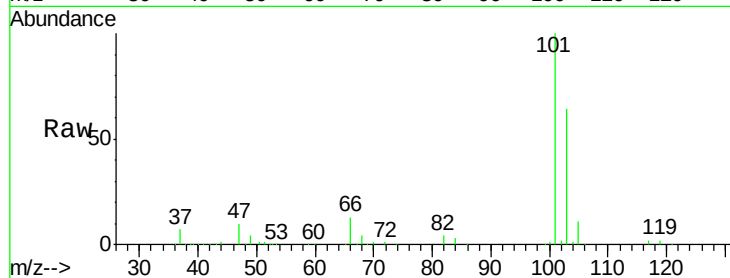
Trichlorofluoromethane
Concen: 49.339 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 316092
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

Manual Integrations
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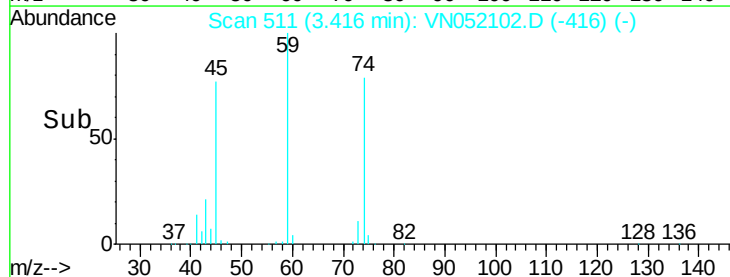
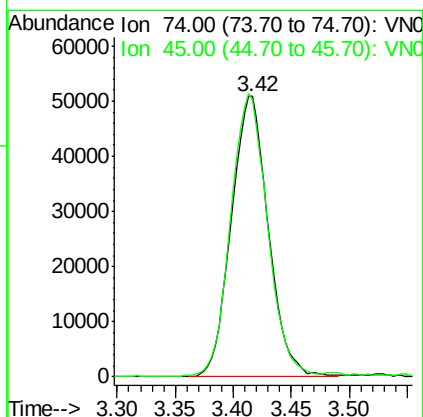
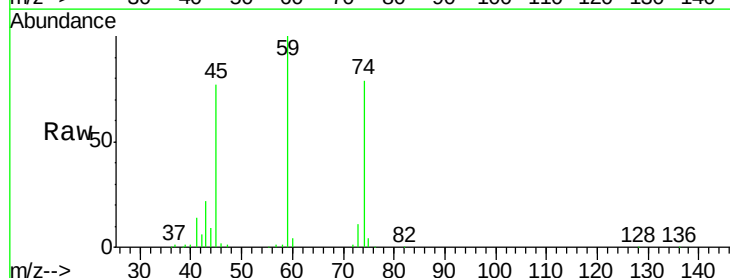
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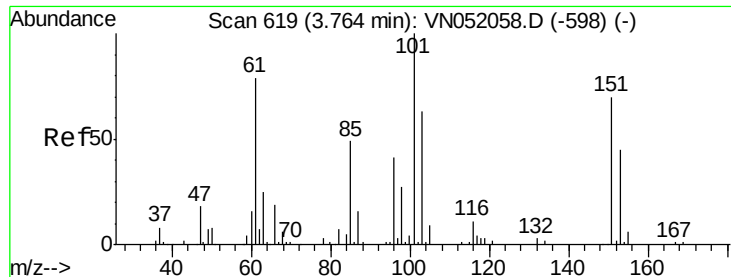


#8

Diethyl Ether
Concen: 47.079 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 74 Resp: 112511
Ion Ratio Lower Upper
74 100
45 100.3 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.469 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

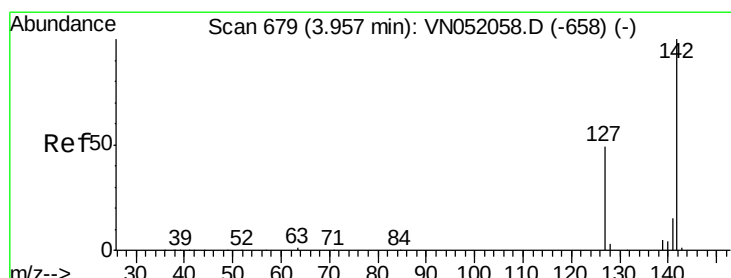
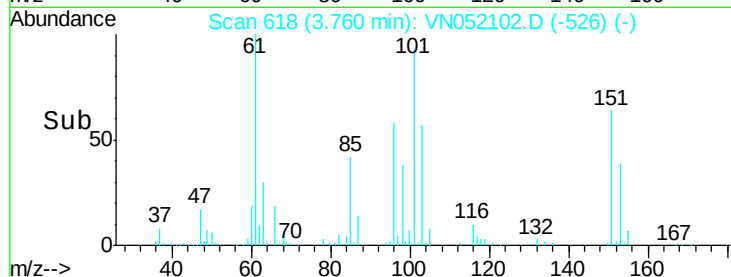
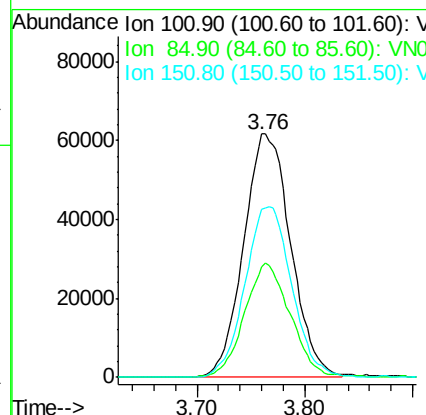
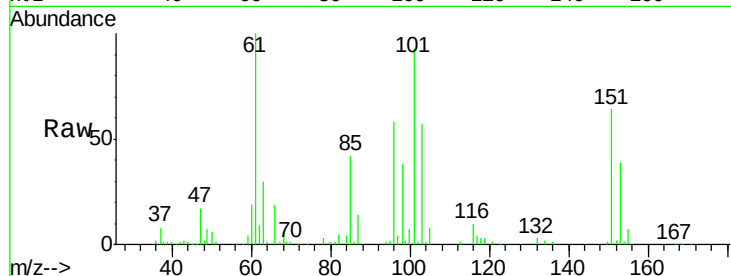
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	186967
Ion Ratio	Lower	Upper	
101	100		
85	45.6	38.6	58.0
151	69.8	52.6	78.8

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#10

Methyl Iodide

Concen: 51.049 ug/l

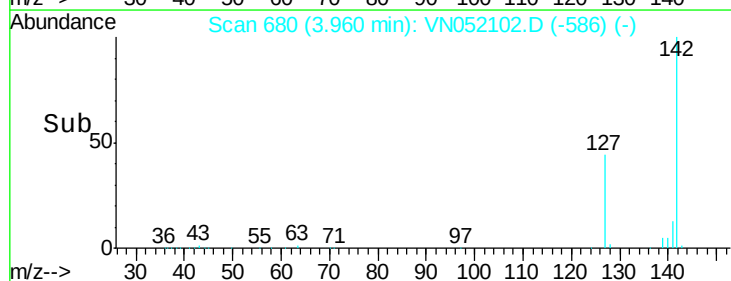
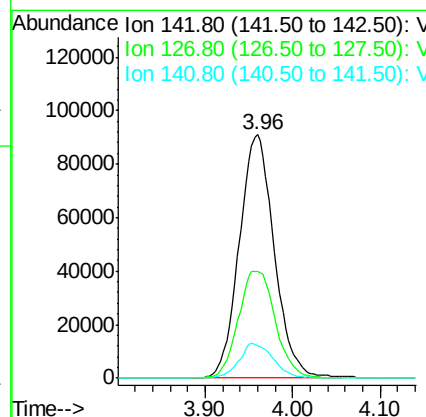
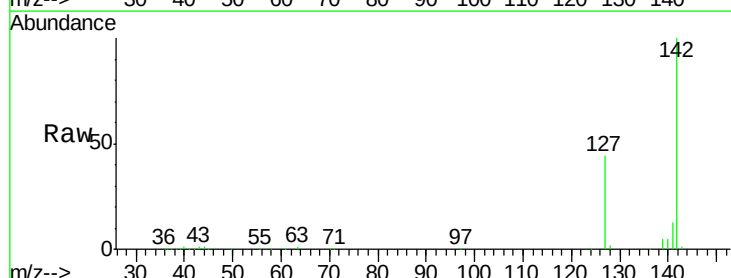
RT: 3.96 min Scan# 680

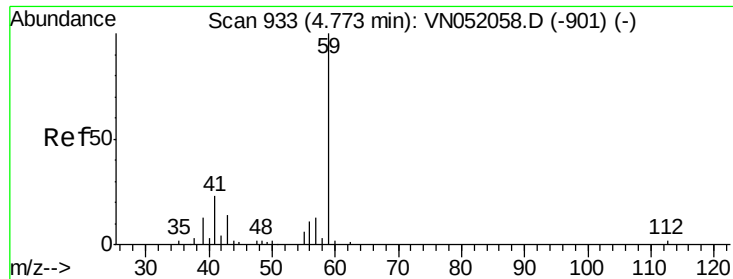
Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	142	Resp:	252848
Ion Ratio	Lower	Upper	
142	100		
127	46.6	37.3	55.9
141	14.0	11.4	17.2





#11

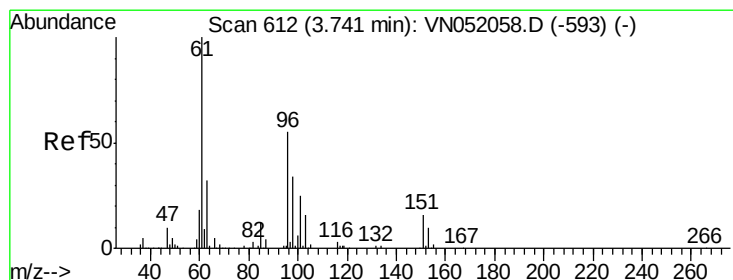
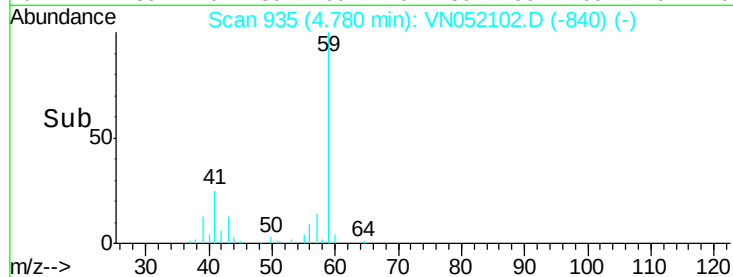
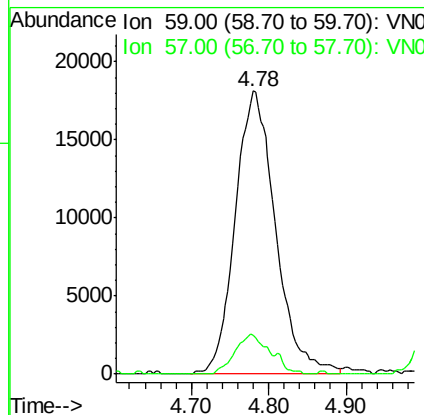
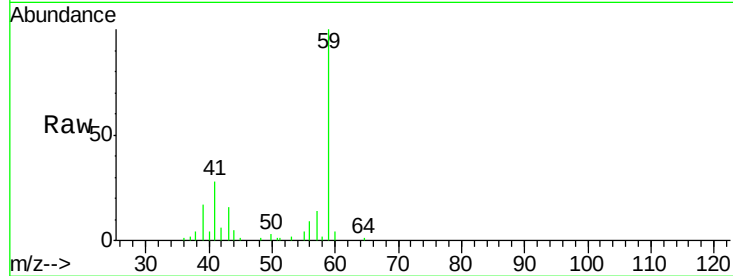
Tert butyl alcohol
Concen: 240.202 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 65670
Ion Ratio Lower Upper
59 100
57 11.0 7.0 10.6#

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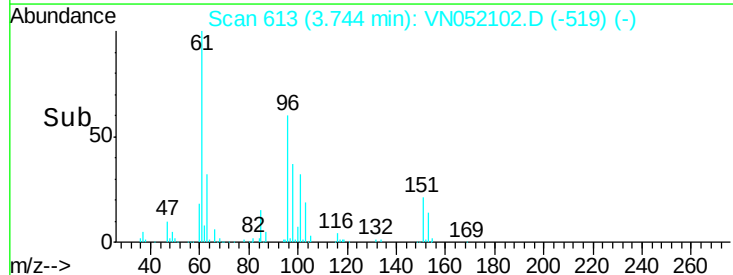
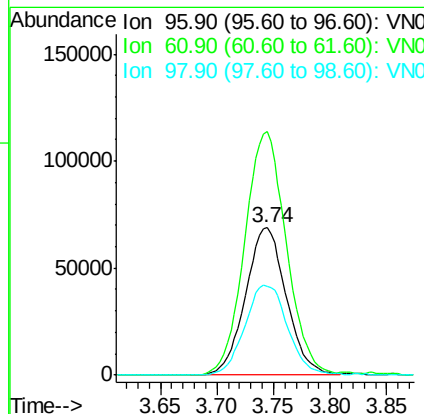
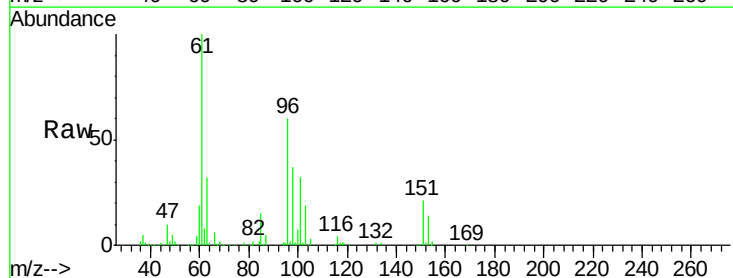
MMDadoda
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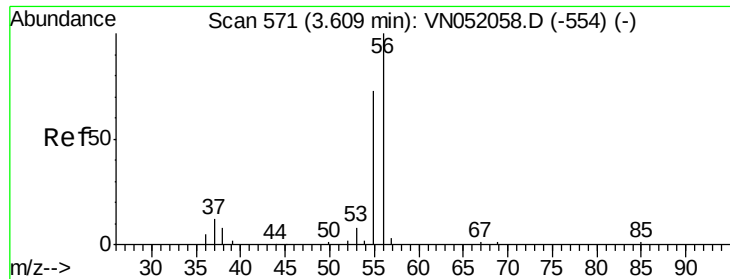


#12

1,1-Dichloroethene
Concen: 48.366 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 96 Resp: 172626
Ion Ratio Lower Upper
96 100
61 165.6 145.7 218.5
98 60.7 49.8 74.8





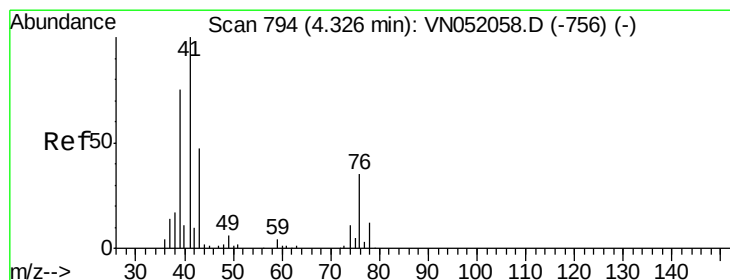
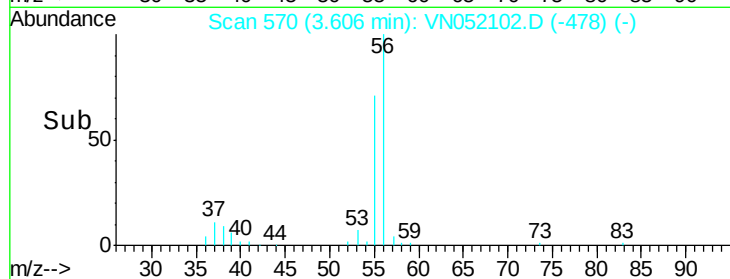
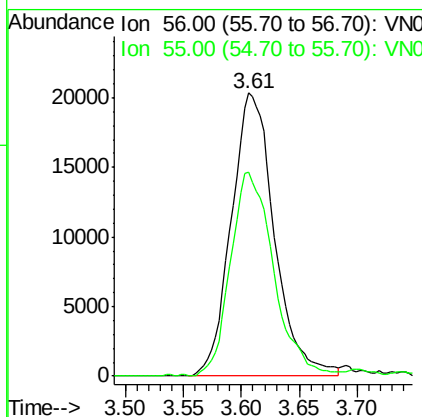
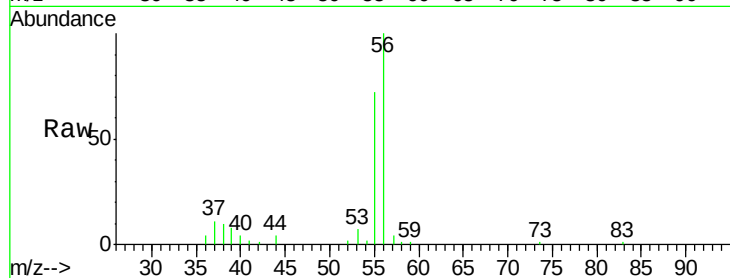
#13
Acrolein
Concen: 196.642 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 52512
Ion Ratio Lower Upper
56 100
55 71.9 59.9 89.9

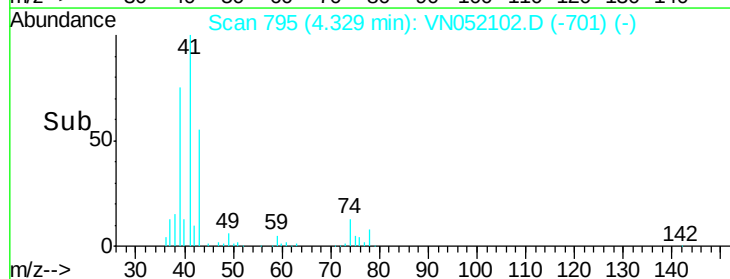
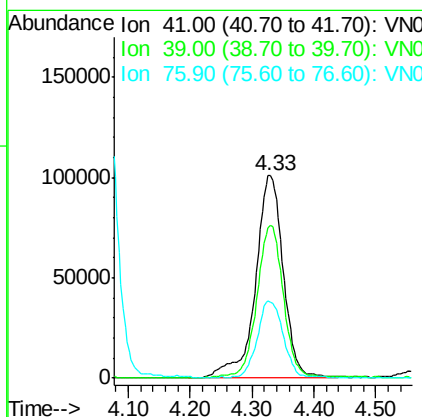
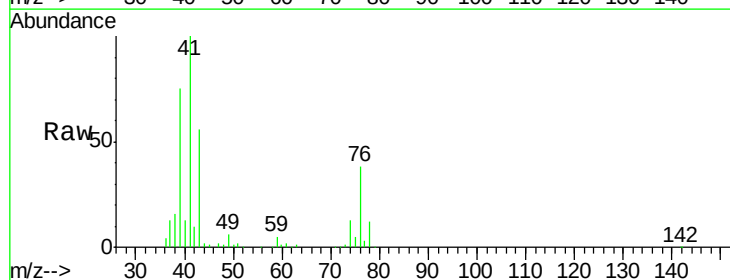
Manual Integrations
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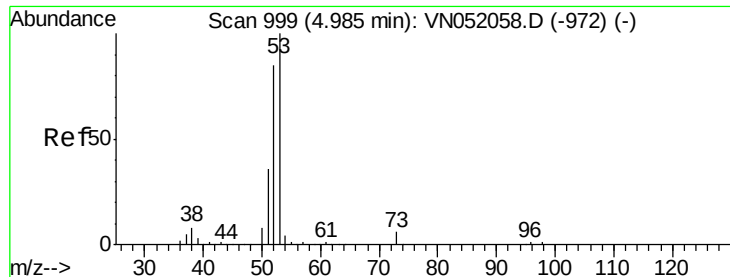
MMDadoda
11/2/2018 9:21:31 AM



#14
Allyl chloride
Concen: 44.304 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 41 Resp: 316457
Ion Ratio Lower Upper
41 100
39 71.1 58.1 87.1
76 34.7 26.0 39.0





#15

Acrylonitrile

Concen: 224.405 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

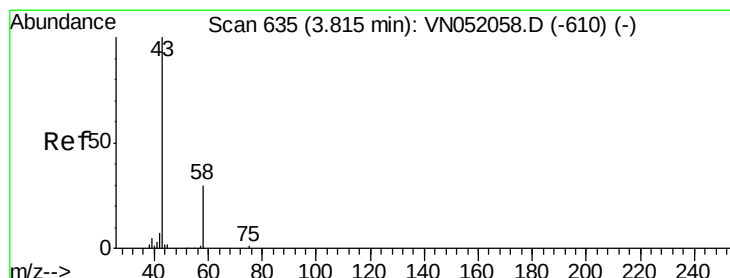
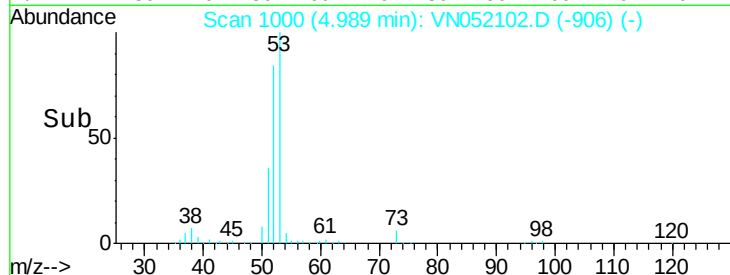
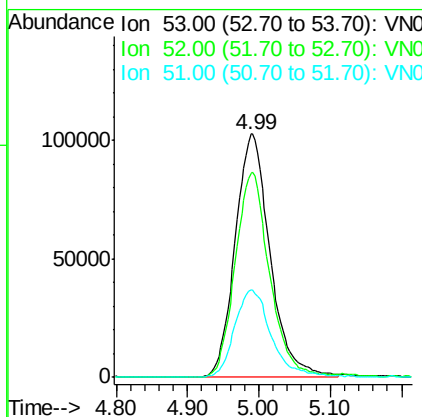
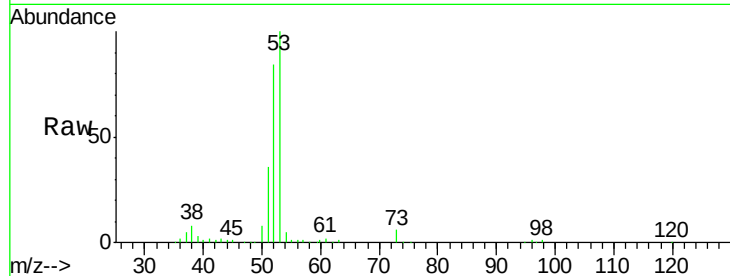
ClientSampled :

VSTDCCC050

Tgt Ion:	53	Resp:	350734
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	37.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 233.325 ug/l

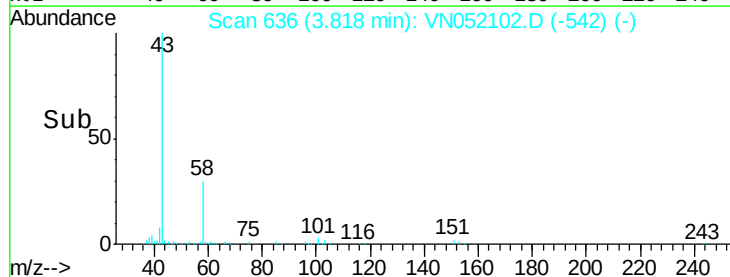
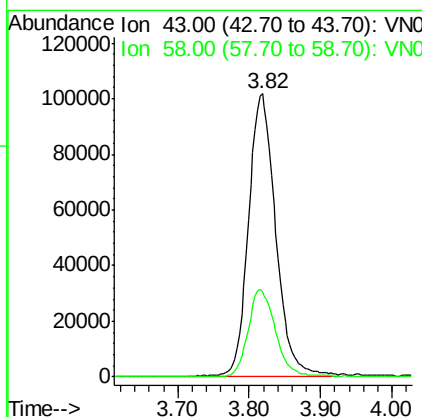
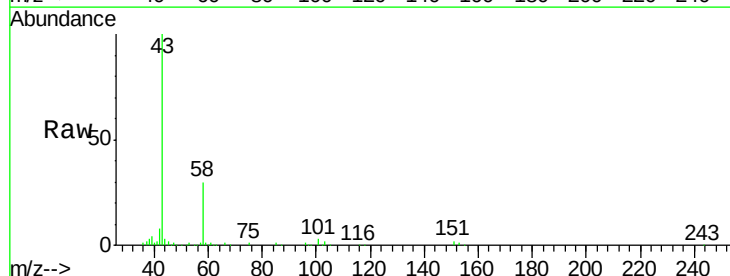
RT: 3.82 min Scan# 636

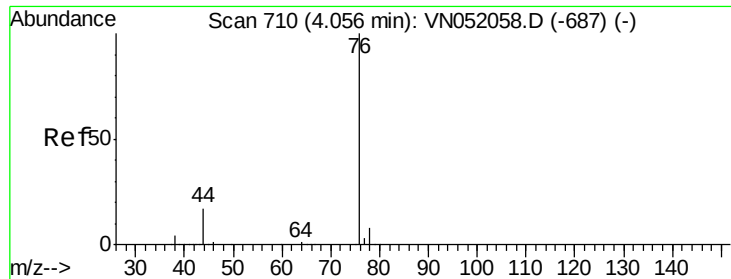
Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	43	Resp:	271909
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.2	36.2





#17

Carbon Disulfide

Concen: 44.559 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 501141

Ion Ratio Lower Upper

76 100

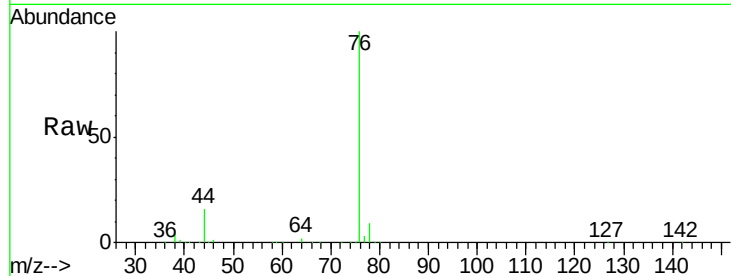
78 9.4 6.8 10.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

200000

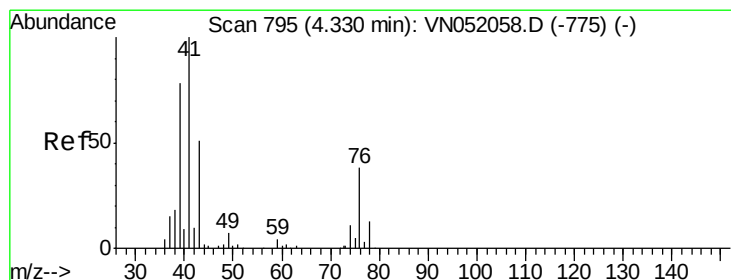
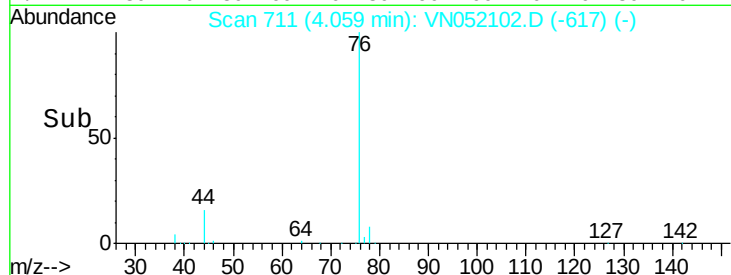
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 43.142 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052102.D

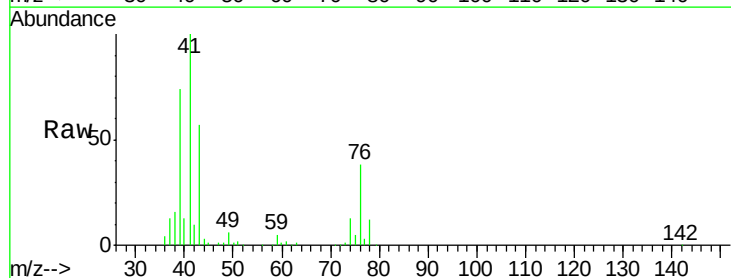
Acq: 1 Nov 2018 14:41

Tgt Ion: 43 Resp: 160052

Ion Ratio Lower Upper

43 100

74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

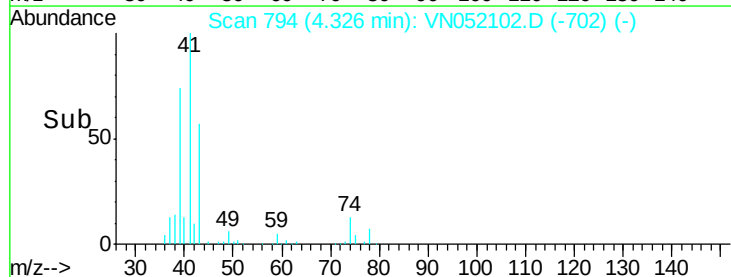
60000

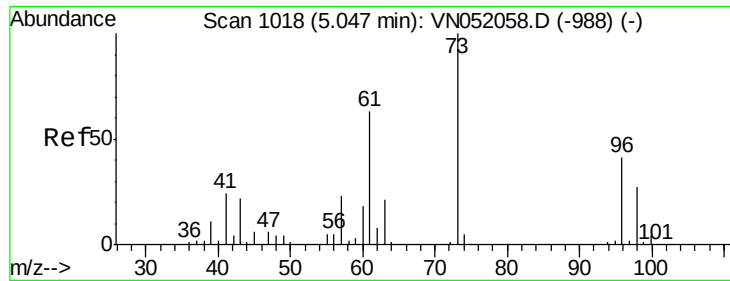
40000

20000

0

Time--> 4.20 4.30 4.40





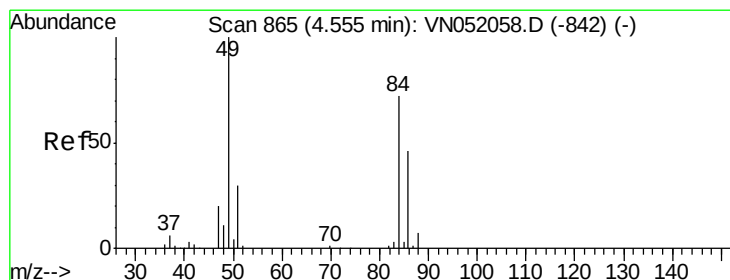
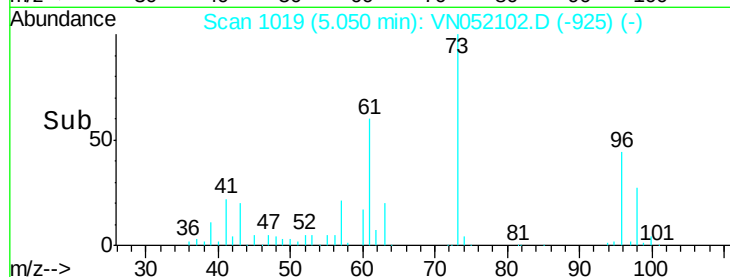
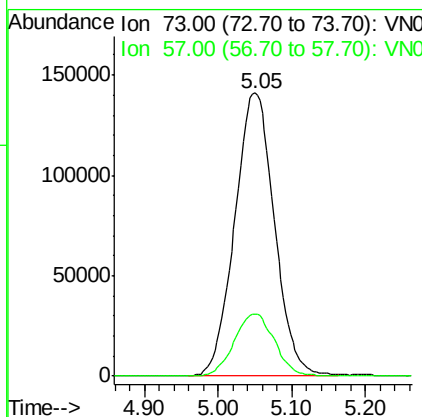
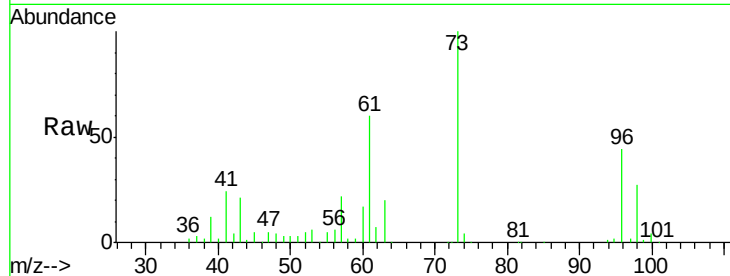
#19
Methyl tert-butyl Ether
Concen: 45.184 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 529710
Ion Ratio Lower Upper
73 100
57 22.0 18.7 28.1

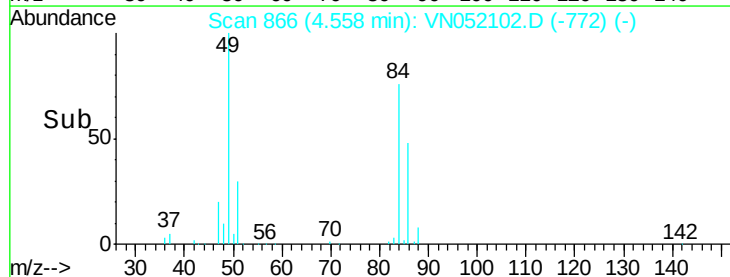
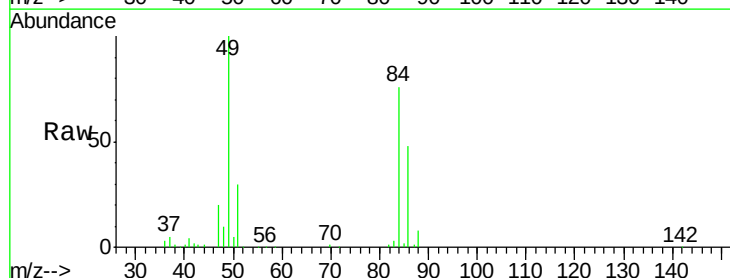
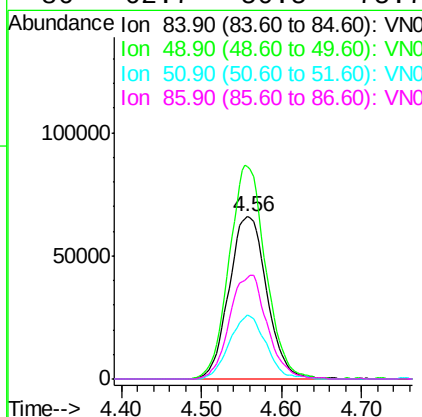
Manual Integrations
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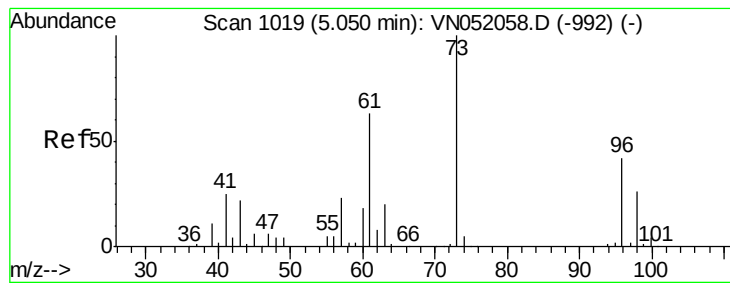
MMDadoda
11/2/2018 9:21:31 AM



#20
Methylene Chloride
Concen: 47.592 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 84 Resp: 211333
Ion Ratio Lower Upper
84 100
49 130.9 110.6 165.8
51 39.1 33.7 50.5
86 62.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 48.267 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 196435

Ion Ratio Lower Upper

96 100

61 135.3 118.6 178.0

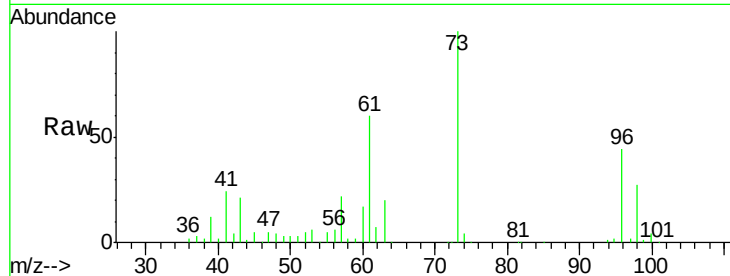
98 60.0 49.7 74.5

Manual Integrations

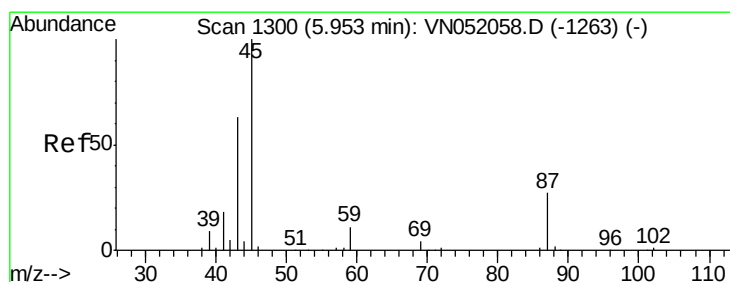
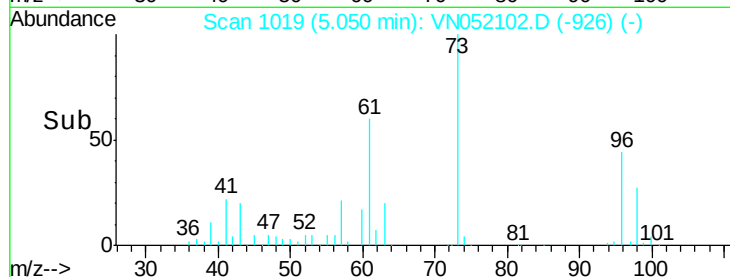
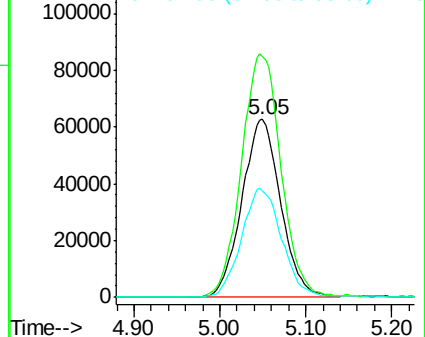
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 43.468 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion: 45 Resp: 671100

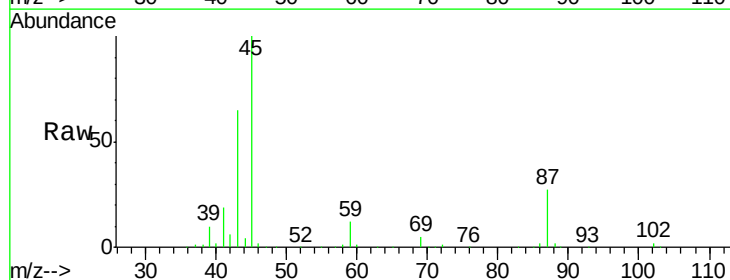
Ion Ratio Lower Upper

45 100

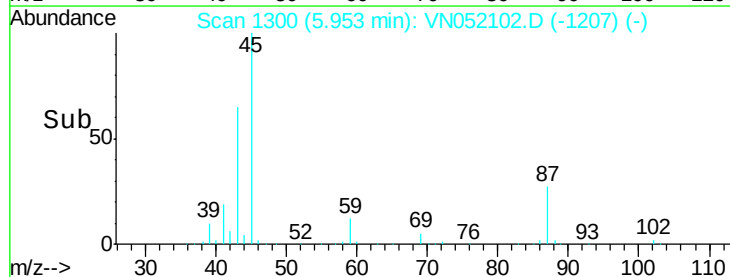
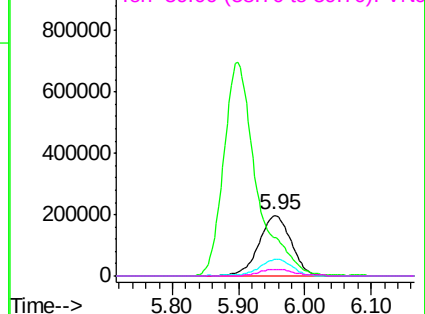
43 64.2 50.5 75.7

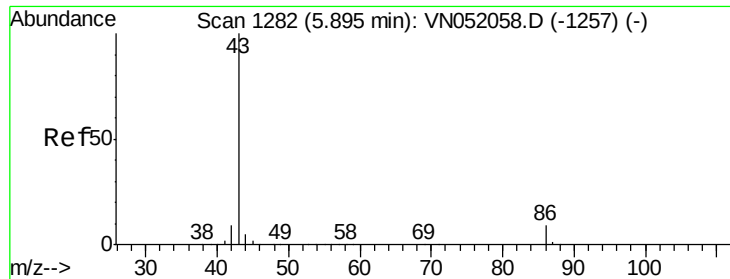
87 26.9 21.5 32.3

59 11.5 8.6 13.0



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





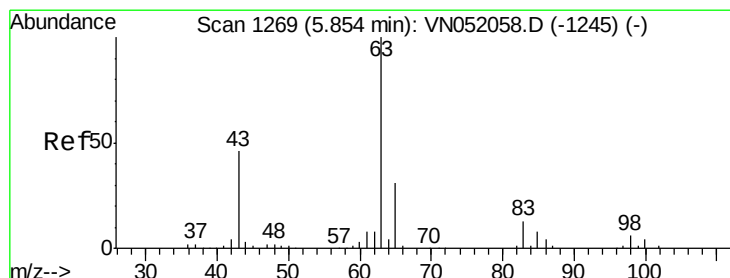
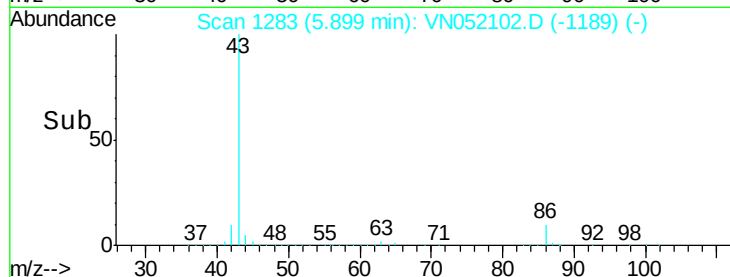
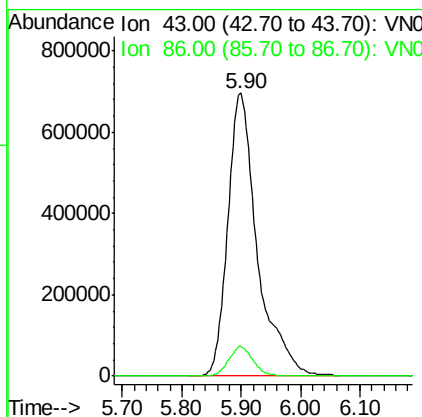
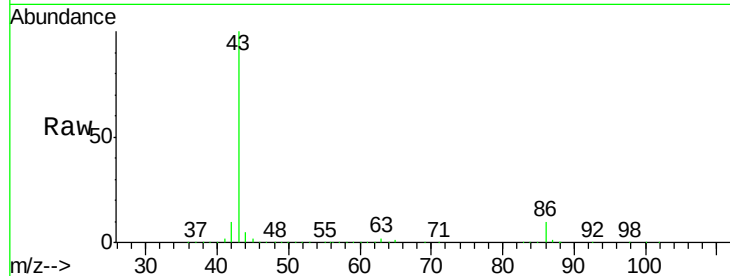
#23
 Vinyl Acetate
 Concen: 224.857 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2405319
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.3 10.9

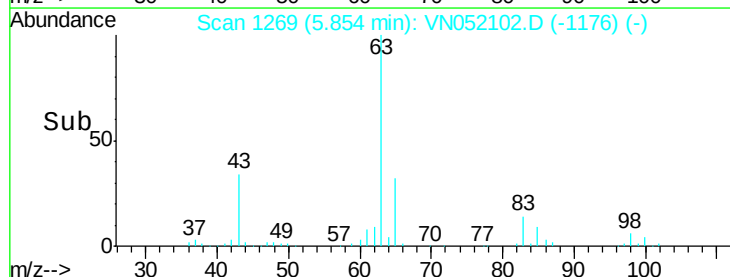
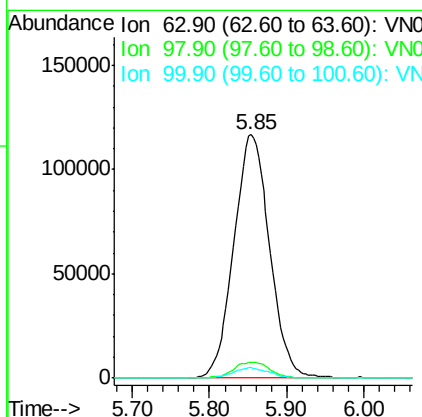
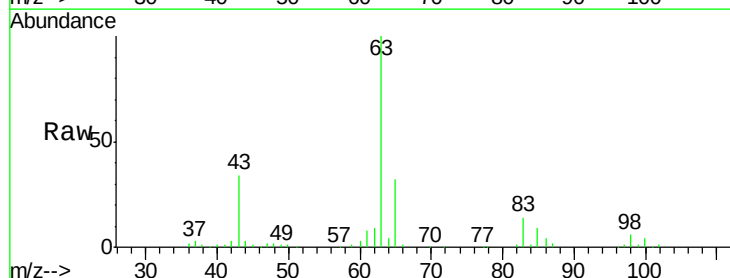
Manual Integrations
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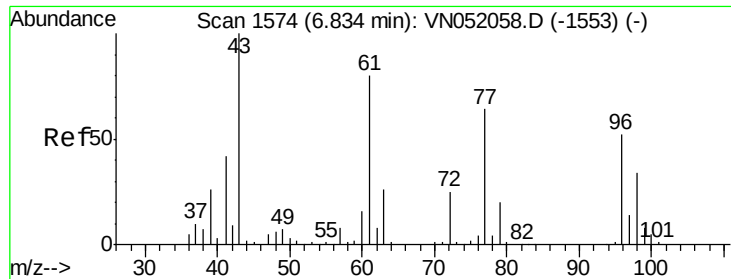
MMDadoda
 11/2/2018 9:21:31 AM



#24
 1,1-Dichloroethane
 Concen: 43.431 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 63 Resp: 374935
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.8 8.4
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 234.378 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 428406

Ion Ratio Lower Upper

43 100

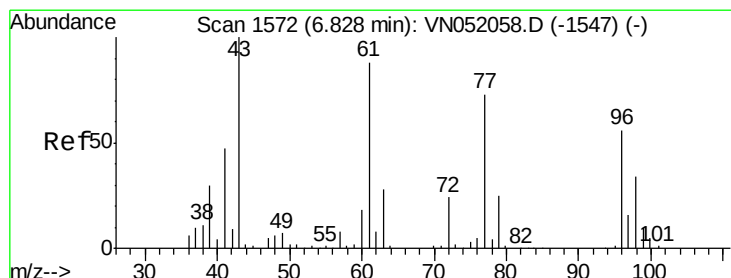
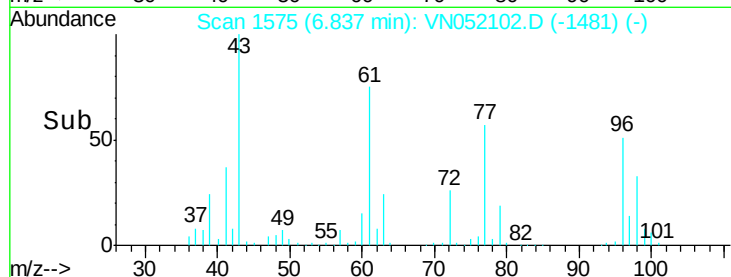
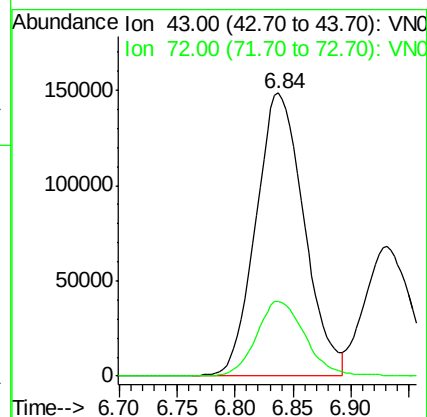
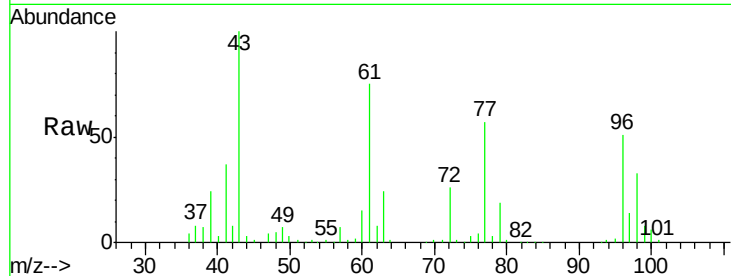
72 26.4 20.2 30.2

Manual Integrations

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11/2/2018 9:21:31 AM



#26

2,2-Dichloropropane

Concen: 41.777 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052102.D

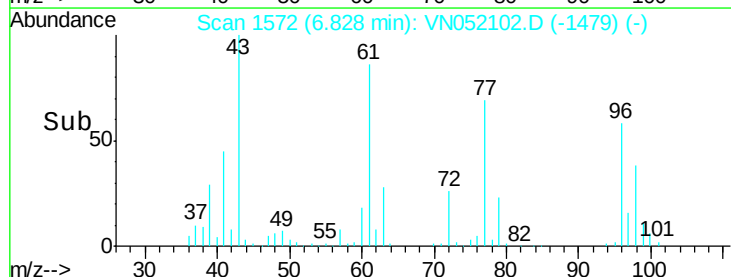
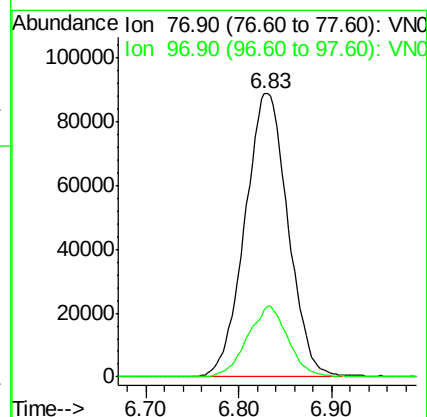
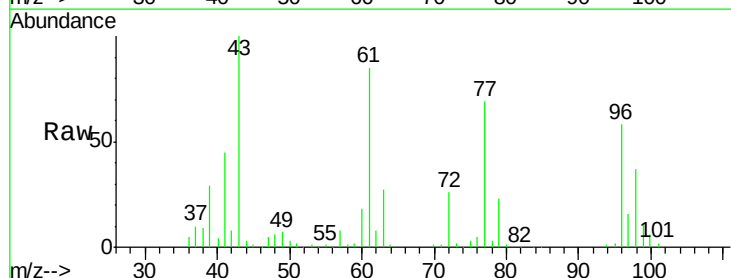
Acq: 1 Nov 2018 14:41

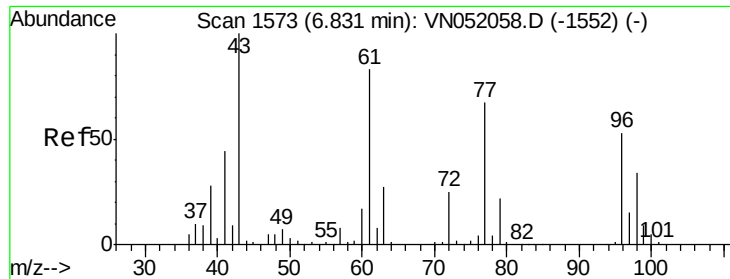
Tgt Ion: 77 Resp: 286432

Ion Ratio Lower Upper

77 100

97 23.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 47.627 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

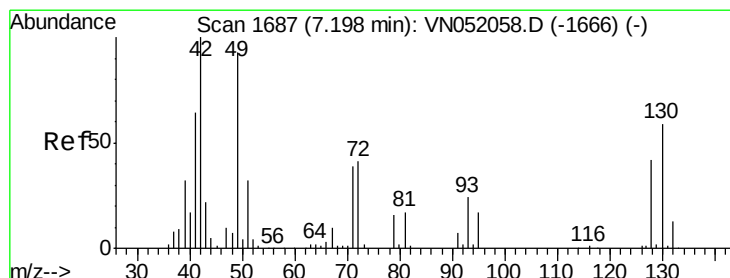
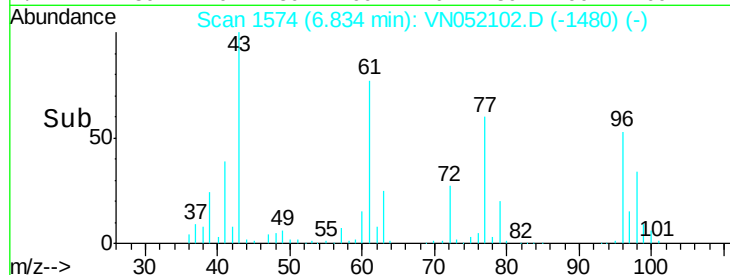
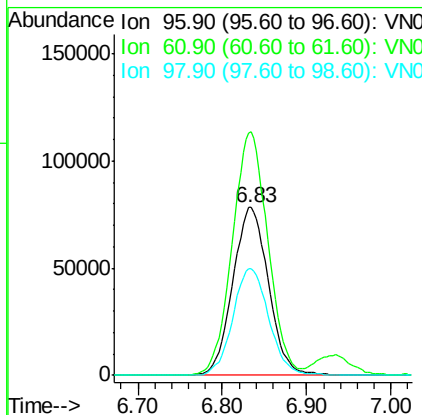
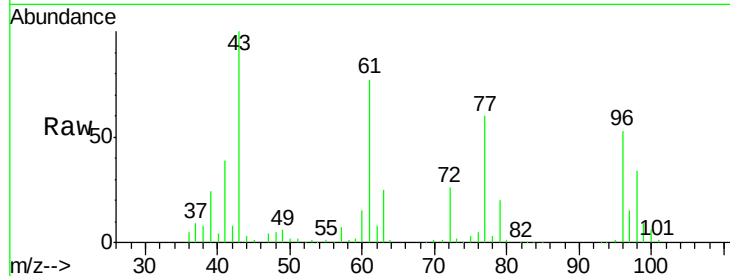
ClientSampled :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	231481		
61	143.8	0.0	312.8	
98	63.9	0.0	127.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 40.062 ug/l

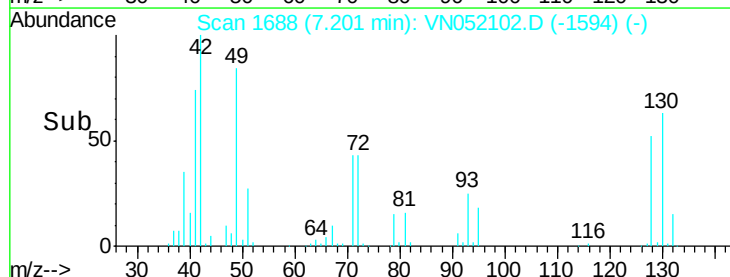
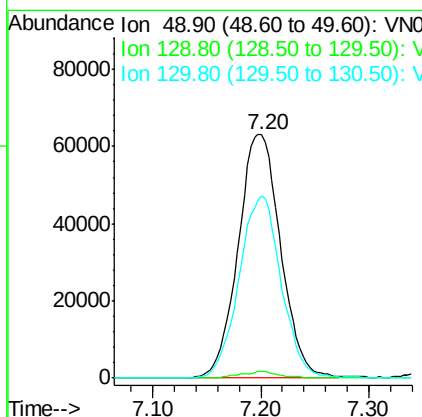
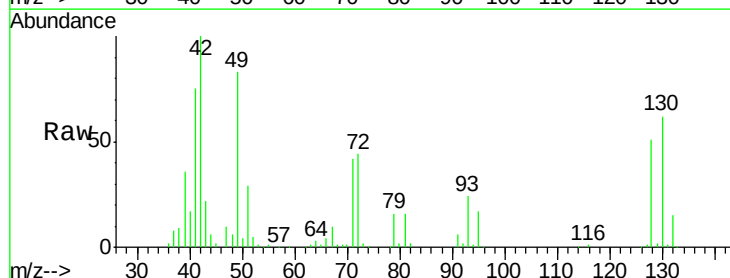
RT: 7.20 min Scan# 1688

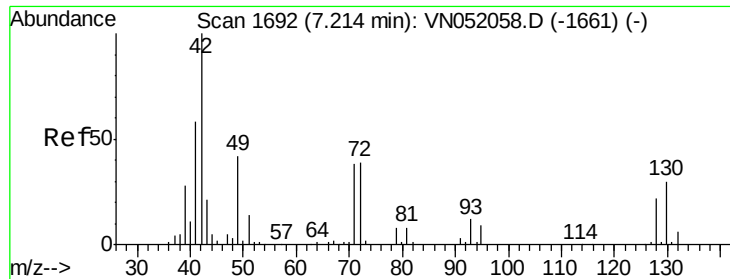
Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171396		
129	2.5	0.0	2.4#	
130	74.6	50.8	76.2	





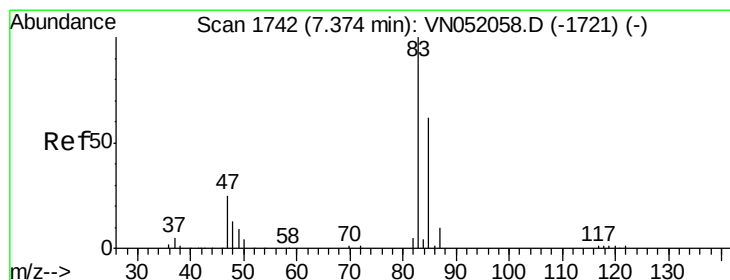
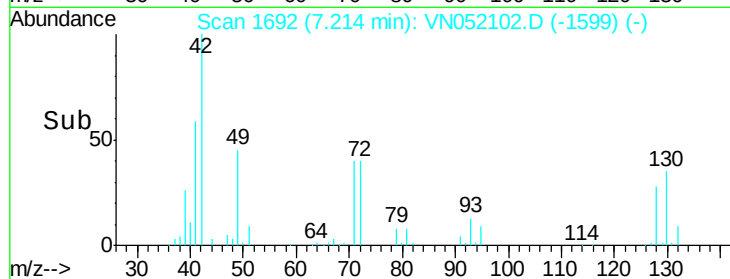
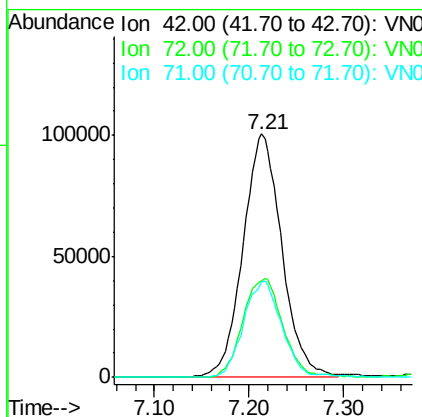
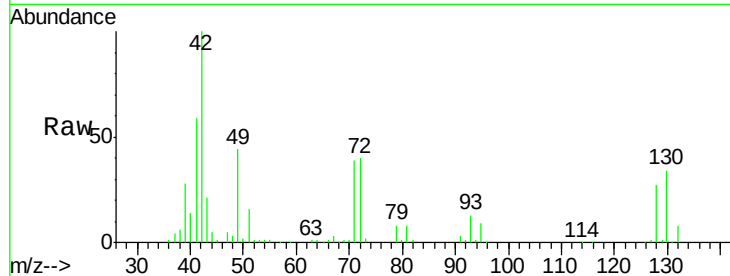
#29
Tetrahydrofuran
Concen: 233.337 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.5	48.7
71	39.4	30.6	46.0

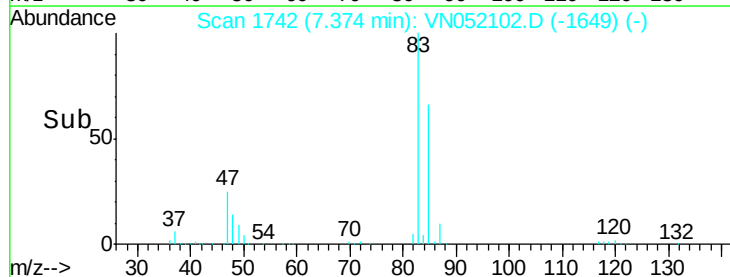
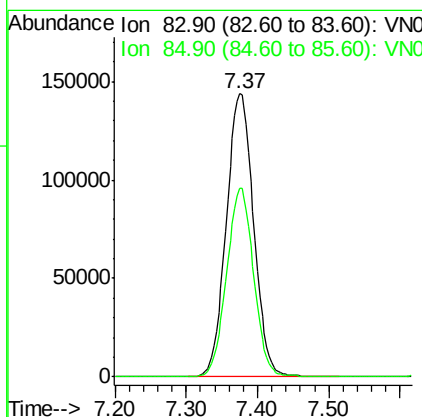
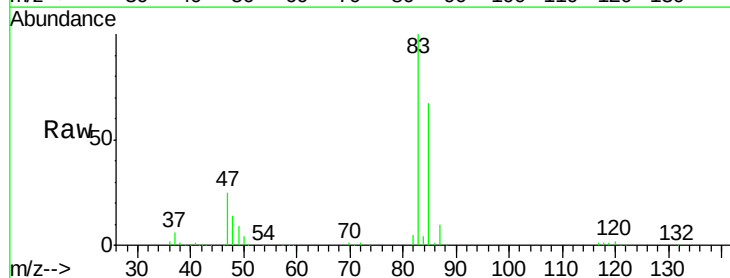
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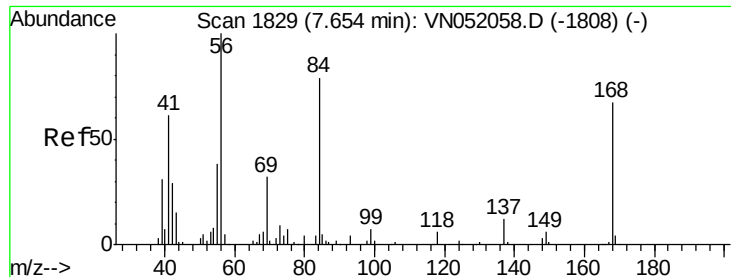
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#30
Chloroform
Concen: 44.693 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.6	74.4





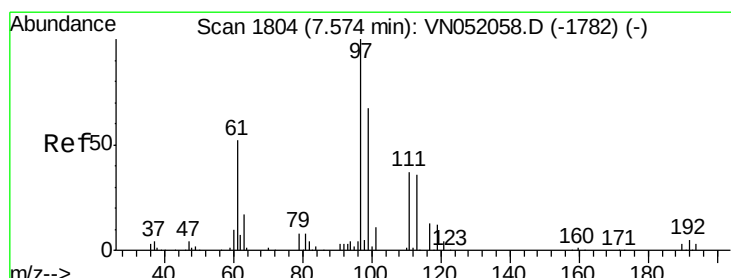
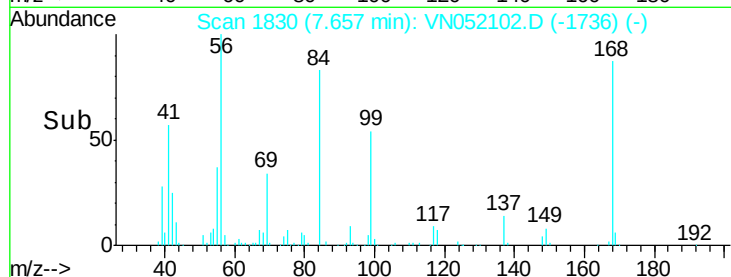
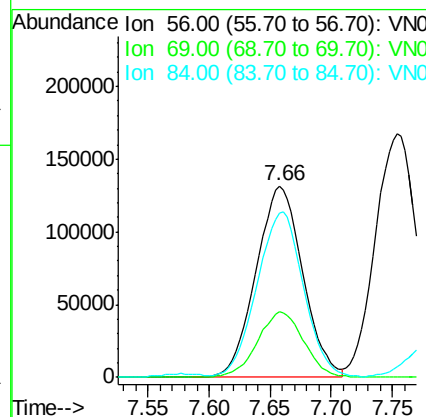
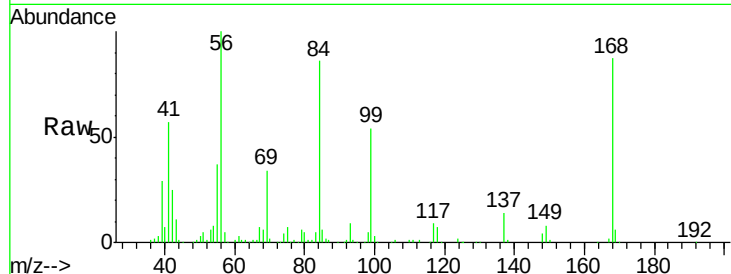
#31
Cyclohexane
Concen: 43.343 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.4	25.8	38.6
84	84.5	63.5	95.3

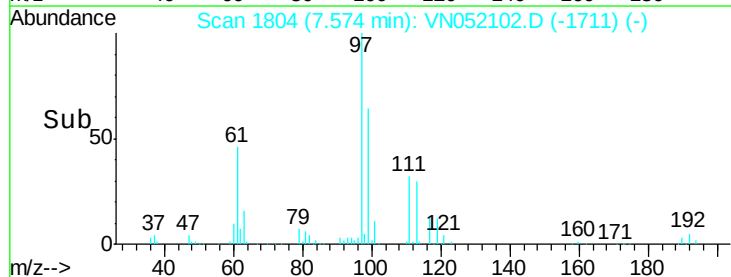
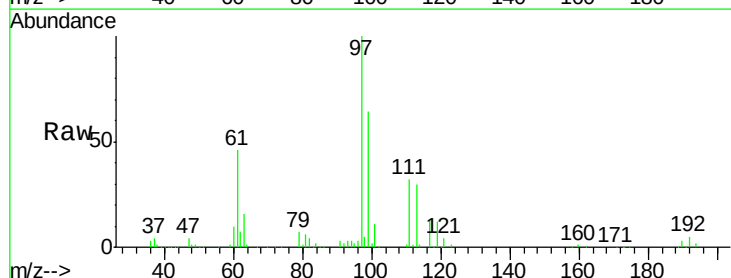
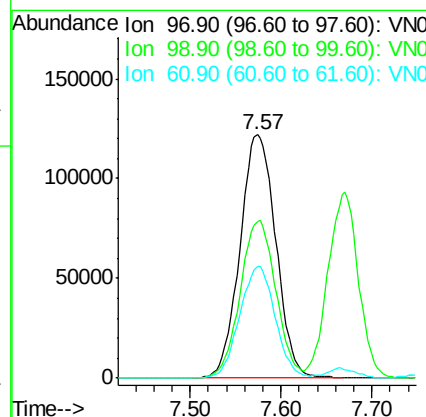
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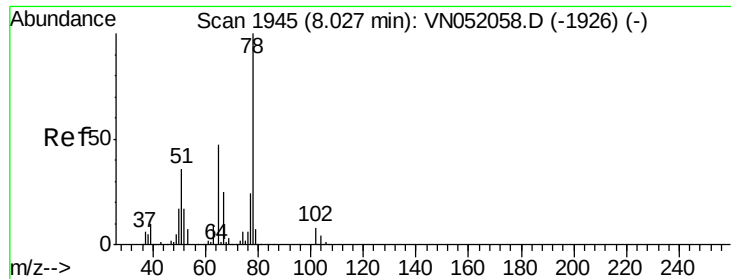
MMDadoda
11/2/2018 9:21:31 AM



#32
1,1,1-Trichloroethane
Concen: 48.327 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	45.3	40.3	60.5





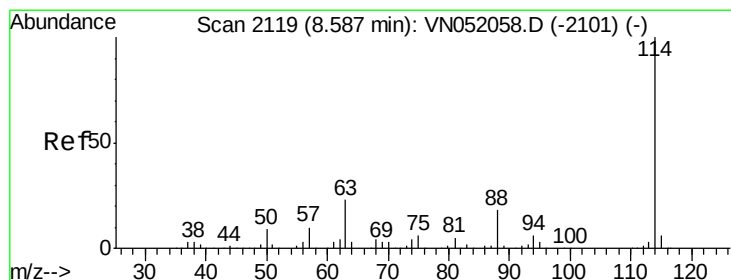
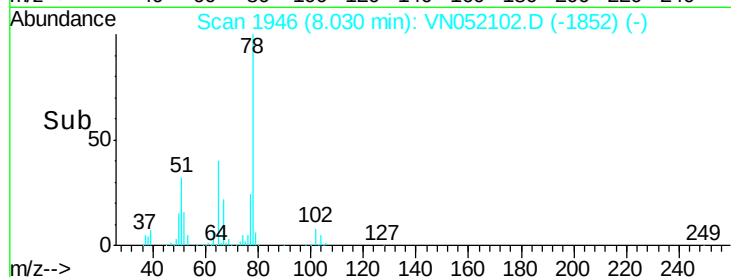
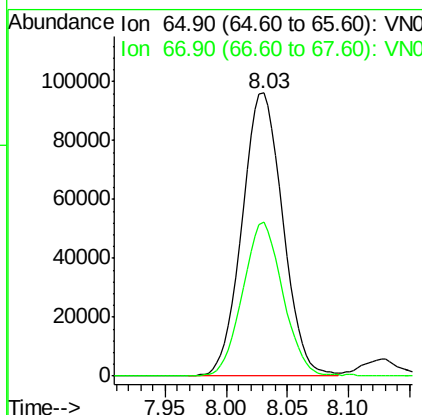
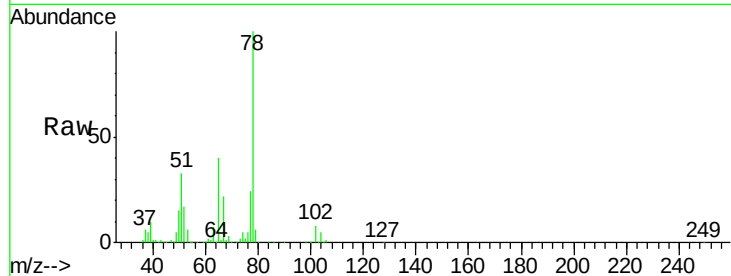
#33
 1,2-Dichloroethane-d4
 Concen: 48.327 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	222445		
67	53.5	0.0	105.2	

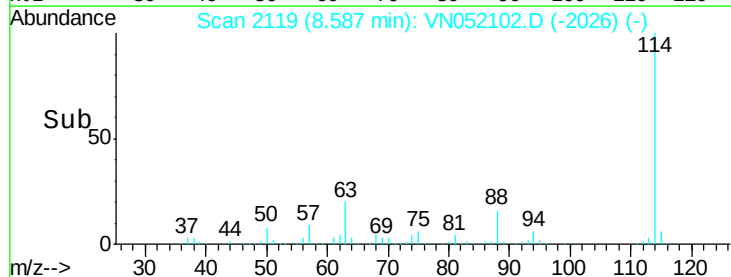
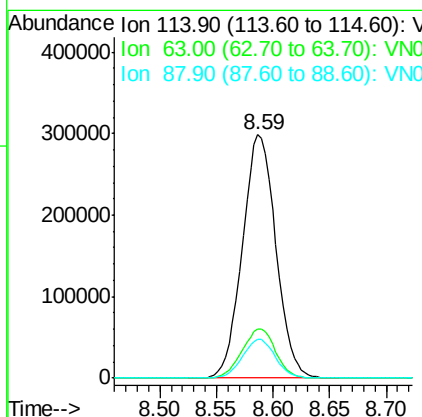
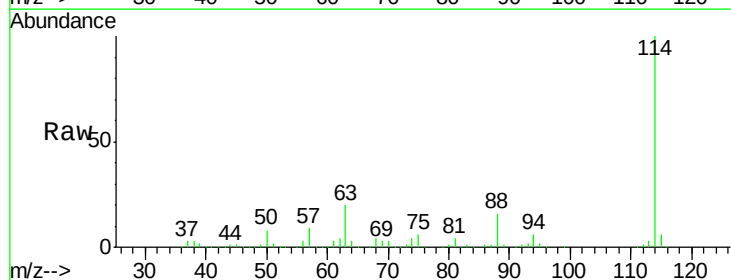
Manual Integrations
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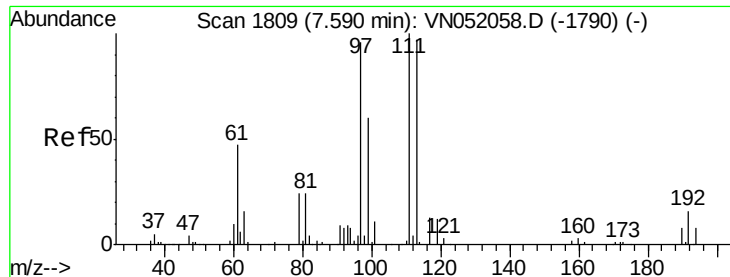
MMDadoda
 11/2/2018 9:21:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615848		
63	20.1	0.0	46.0	
88	15.8	0.0	35.4	





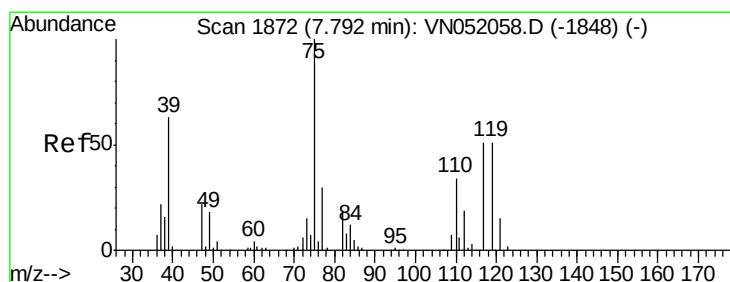
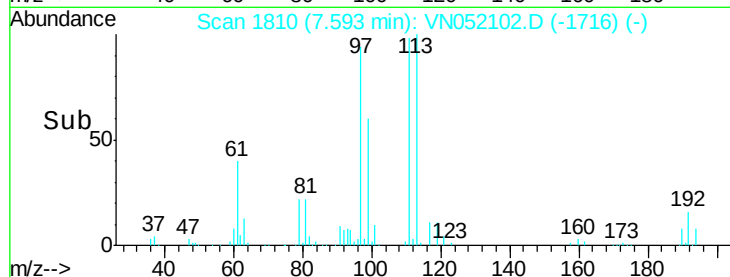
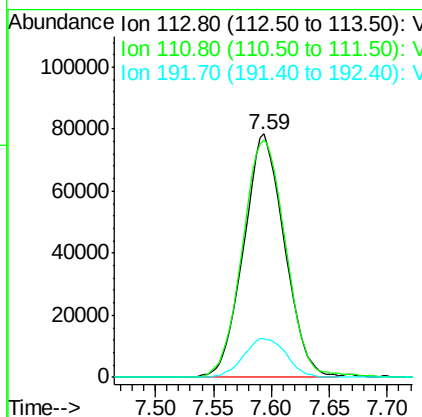
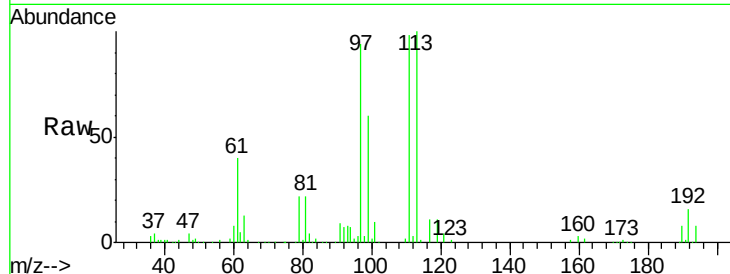
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	191949		
111	103.8	83.1	124.7	
192	16.8	12.7	19.1	

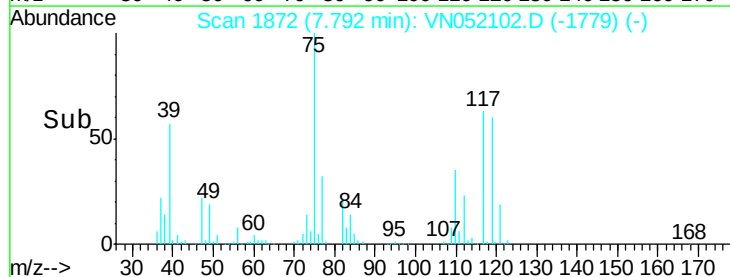
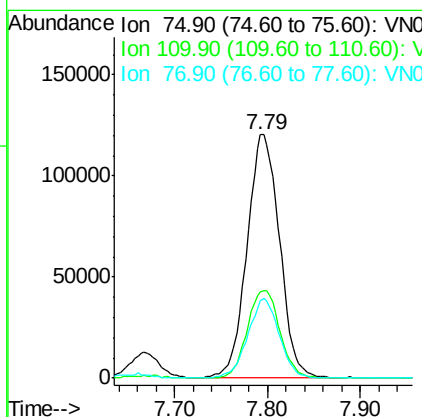
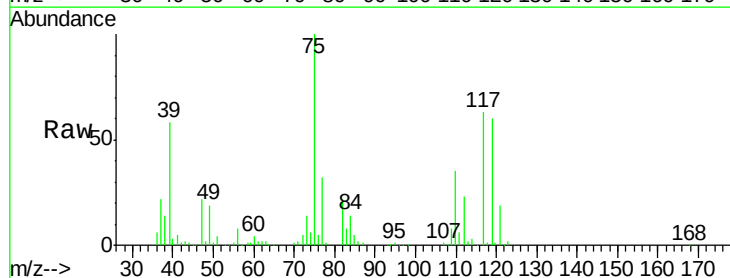
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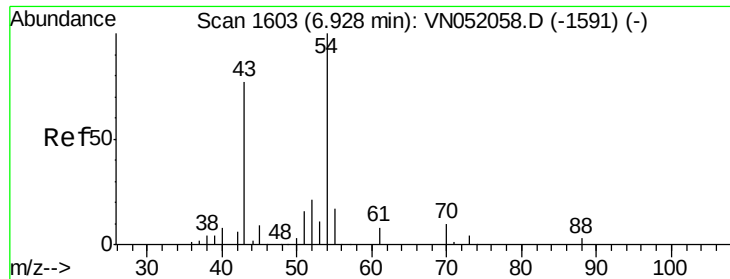
MMDadoda
 11/2/2018 9:21:31 AM



#36
 1,1-Dichloropropene
 Concen: 46.732 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	292633		
110	36.3	16.0	48.0	
77	31.8	24.5	36.7	





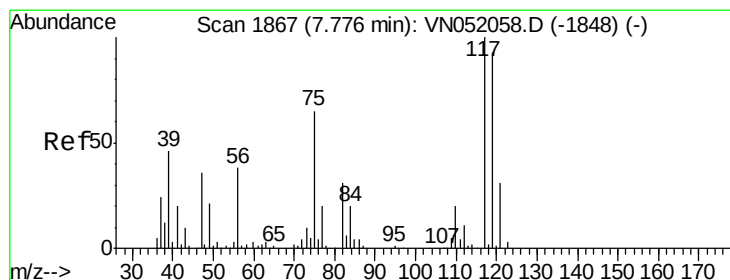
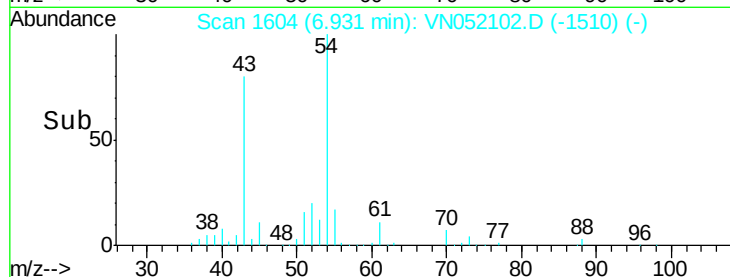
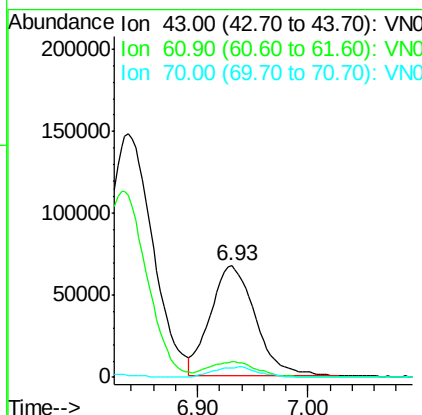
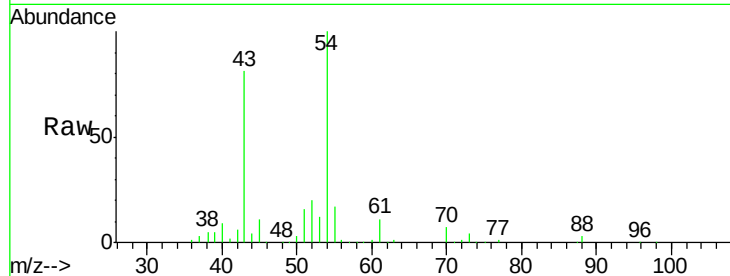
#37
Ethyl Acetate
 Concen: 45.489 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	9.5	8.6	12.8

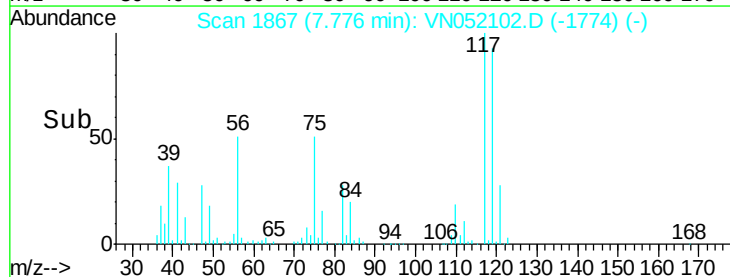
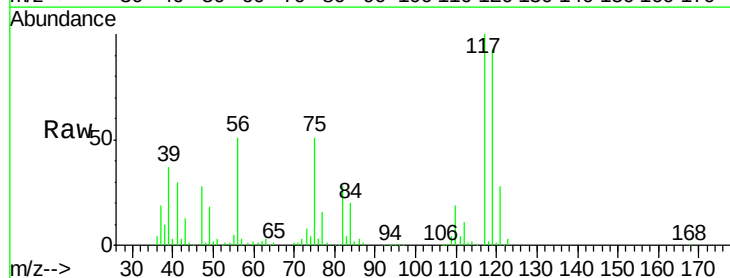
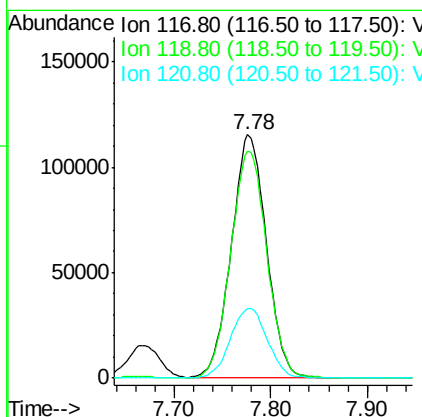
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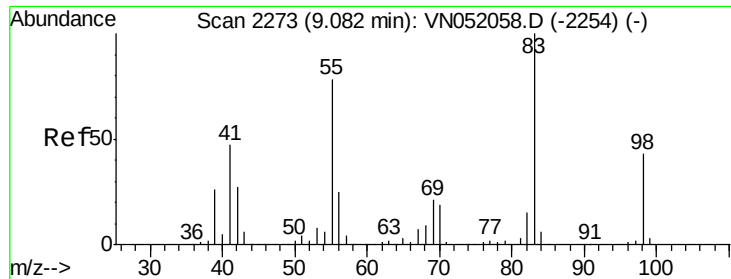
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#38
Carbon Tetrachloride
 Concen: 53.934 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.8	112.2
121	28.4	25.1	37.7





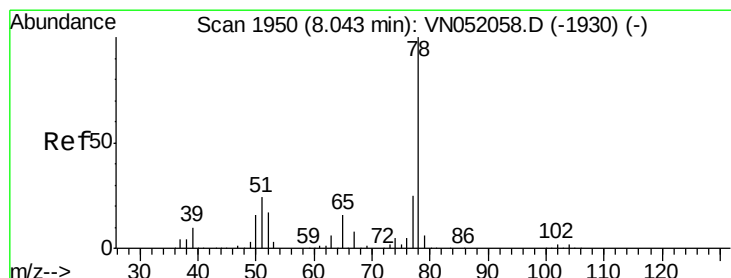
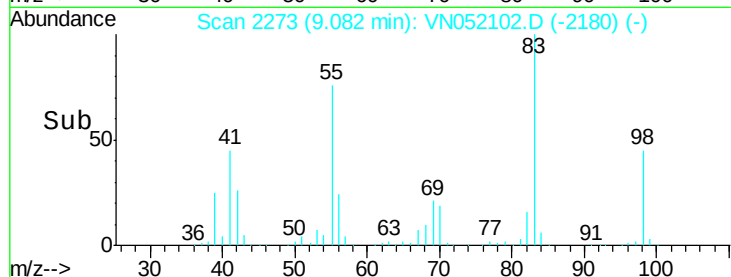
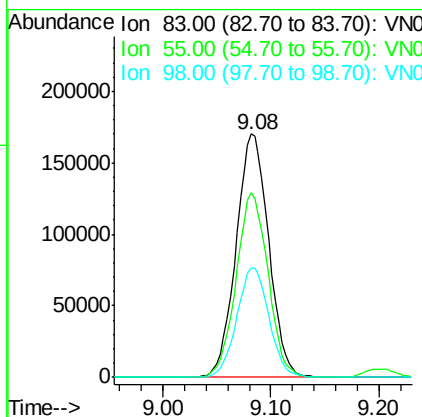
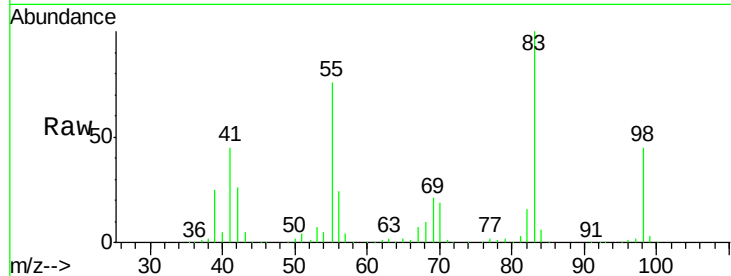
#39
Methylcyclohexane
Concen: 48.179 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.0	93.0
98	45.0	34.7	52.1

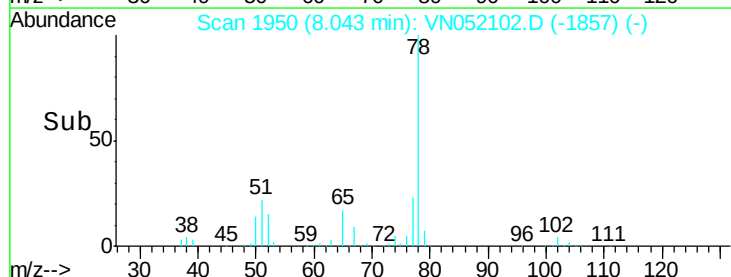
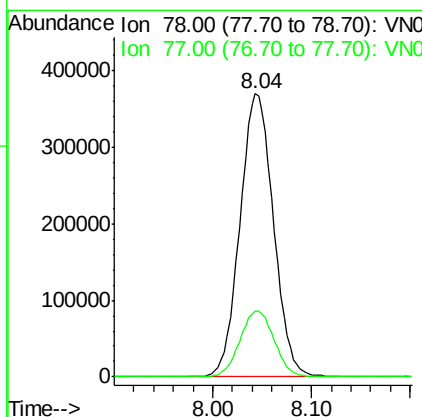
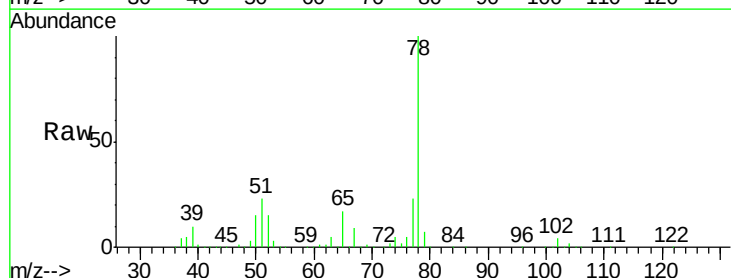
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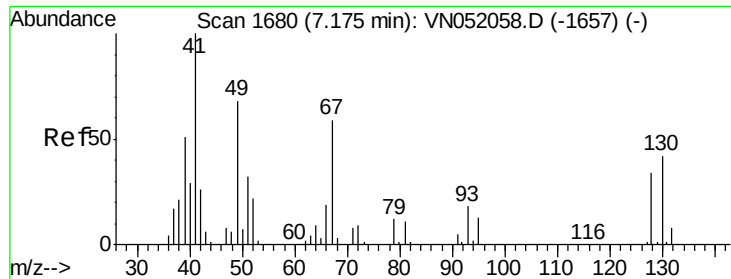
MMDadoda
11/2/2018 9:21:31 AM



#40
Benzene
Concen: 47.894 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





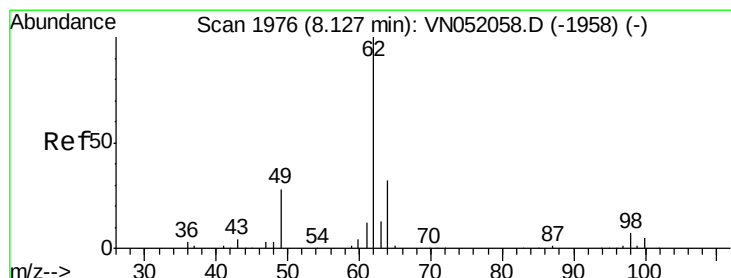
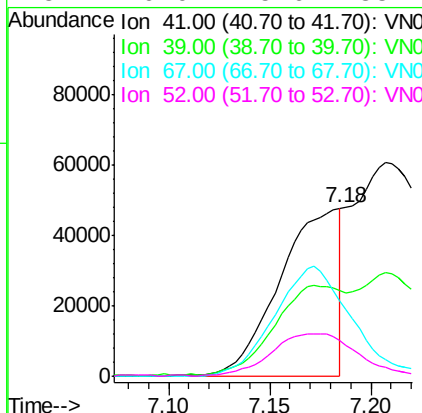
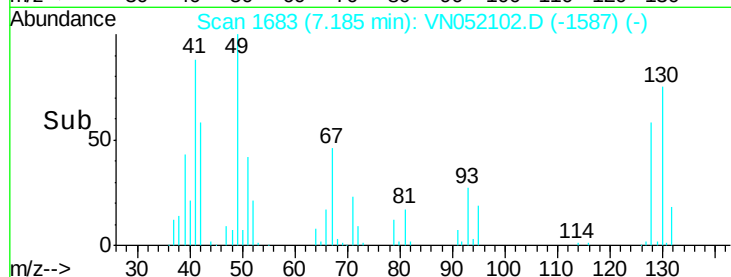
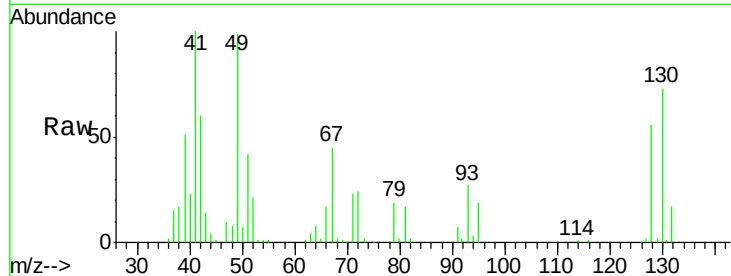
#41
Methacrylonitrile
Concen: 45.977 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	33.2	49.8#
67	0.0	63.5	95.3#
52	0.0	25.6	38.4#

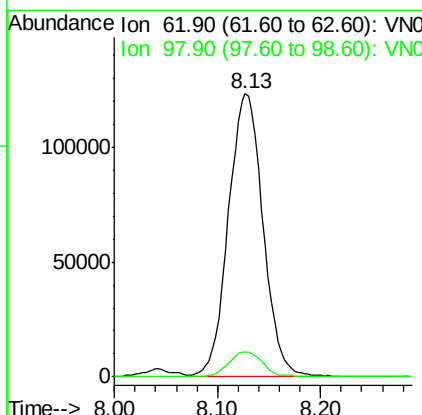
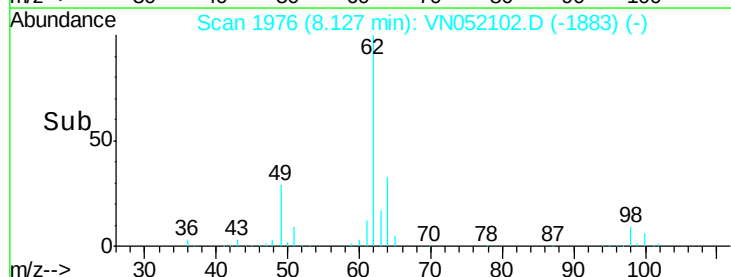
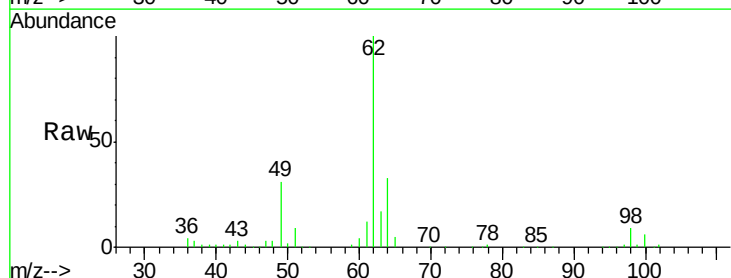
Manual Integrations
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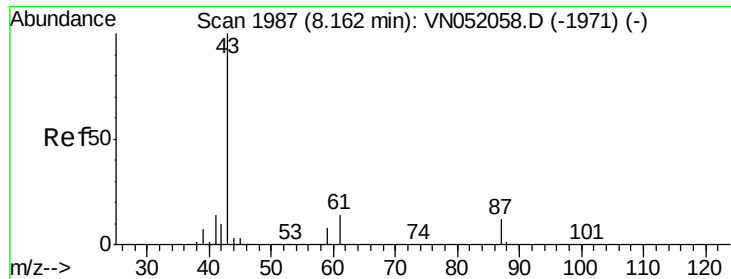
MMDadoda
11/2/2018 9:21:31 AM



#42
1,2-Dichloroethane
Concen: 42.819 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.2





#43

Isopropyl Acetate

Concen: 46.246 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

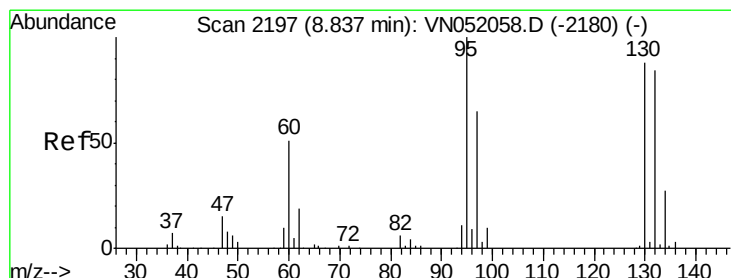
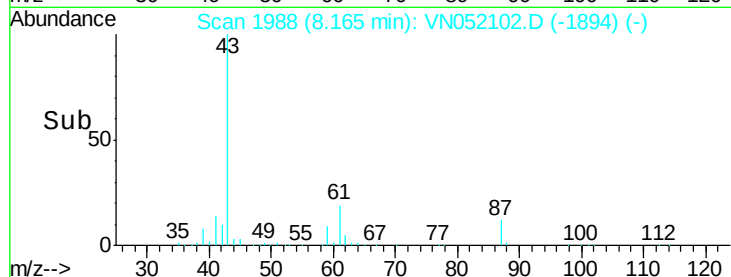
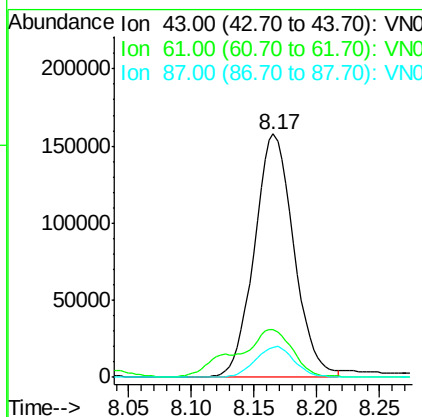
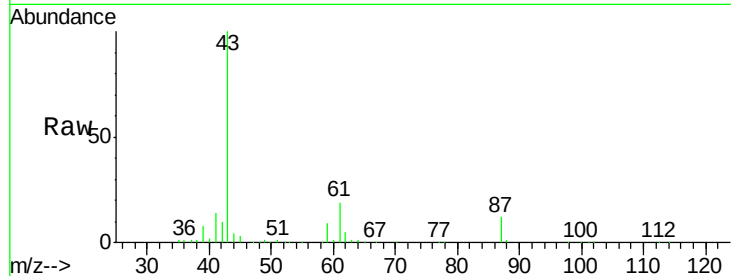
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	344752
Ion Ratio		Lower	Upper
43	100		
61	28.1	15.4	23.0#
87	12.6	9.8	14.8

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#44

Trichloroethene

Concen: 53.101 ug/l

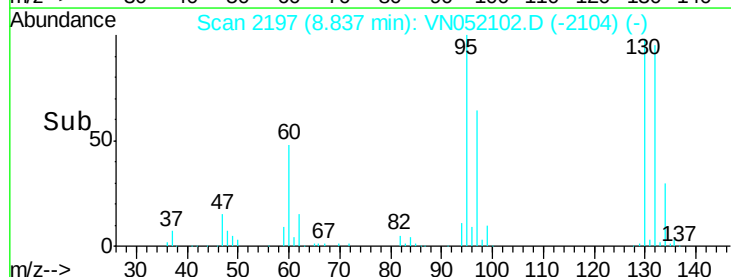
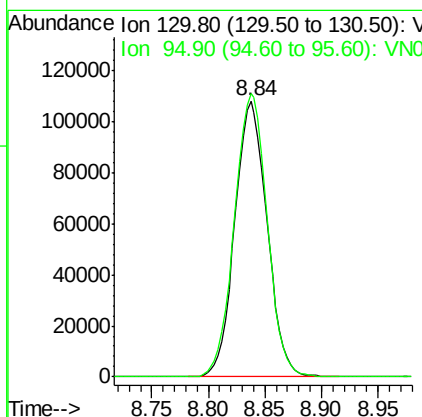
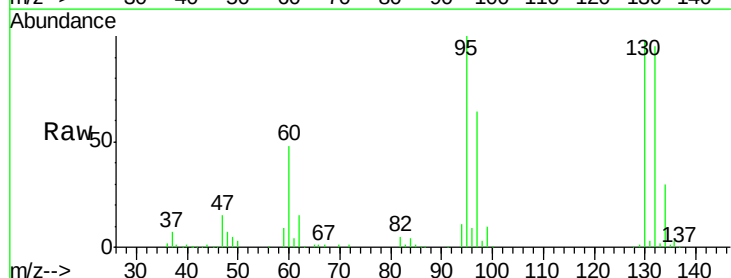
RT: 8.84 min Scan# 2197

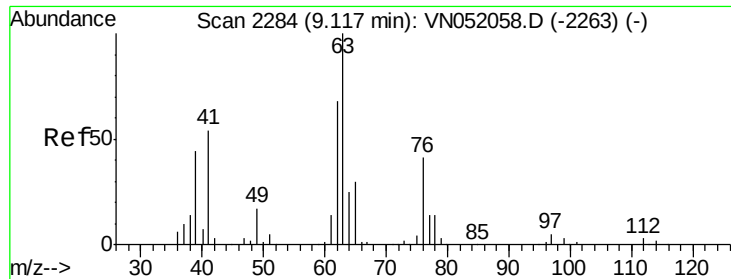
Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	130	Resp:	215096
Ion Ratio		Lower	Upper
130	100		
95	102.5	0.0	228.4





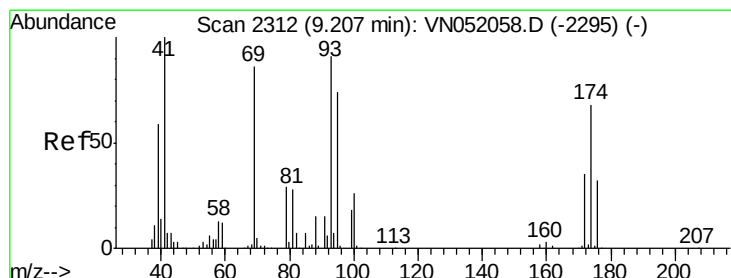
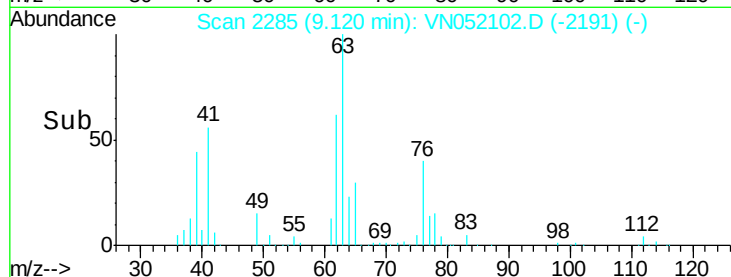
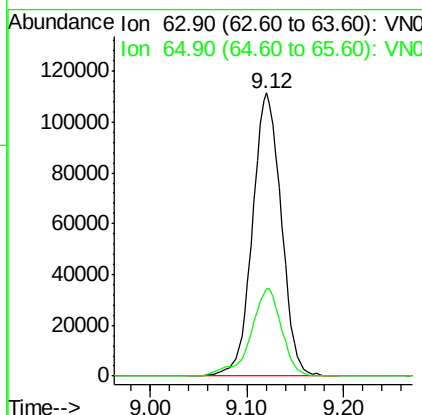
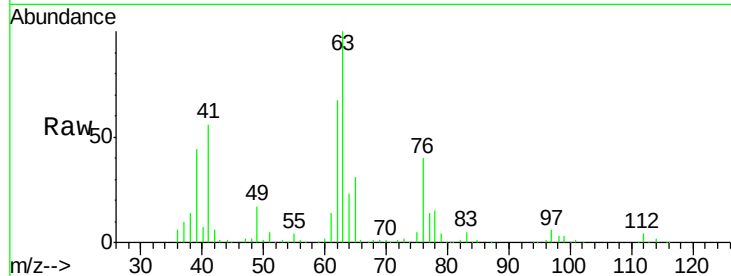
#45
 1,2-Dichloropropane
 Concen: 44.623 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 230239
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.5 36.7

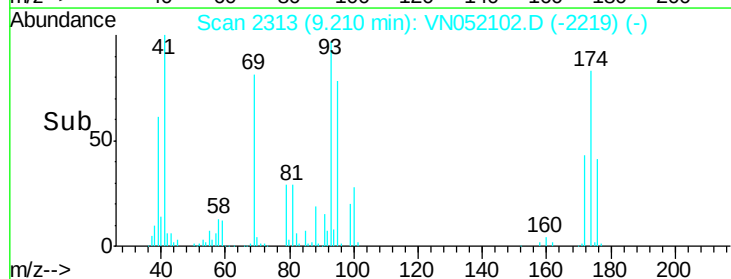
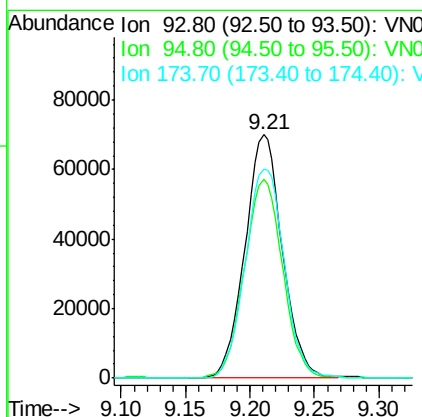
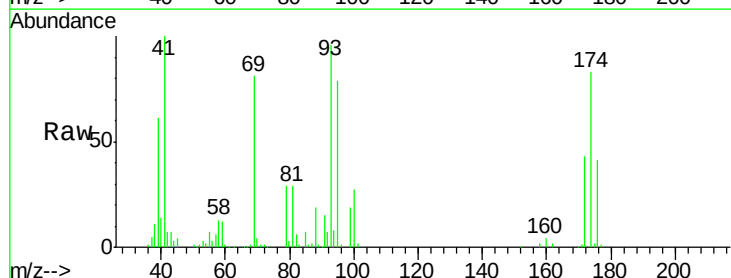
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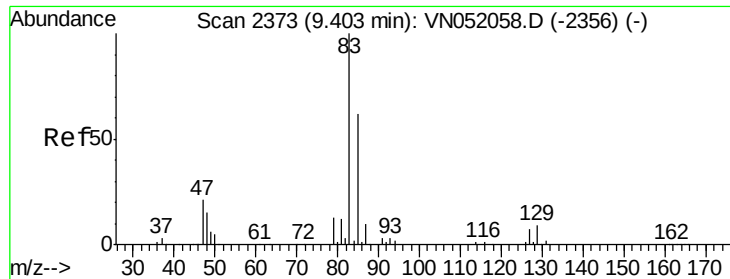
MMDadoda
 11/2/2018 9:21:31 AM



#46
 Dibromomethane
 Concen: 49.137 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 93 Resp: 141698
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.2 100.8
 174 89.6 59.7 89.5#





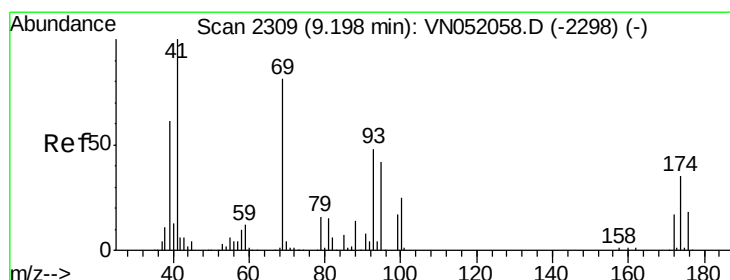
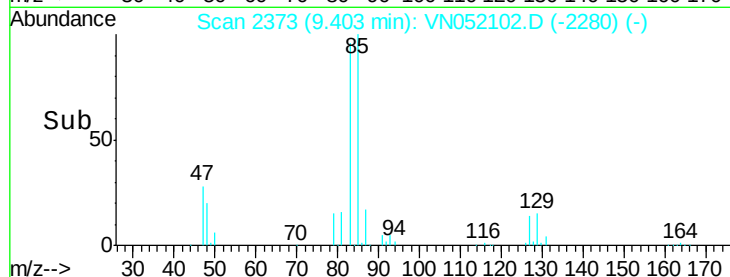
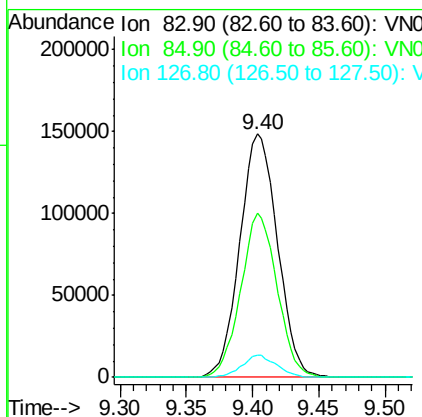
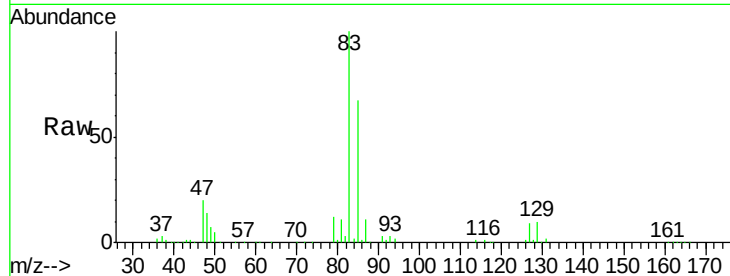
#47
 Bromodichloromethane
 Concen: 48.867 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	293906		
85	67.2	49.4	74.2	
127	9.3	5.8	8.8#	

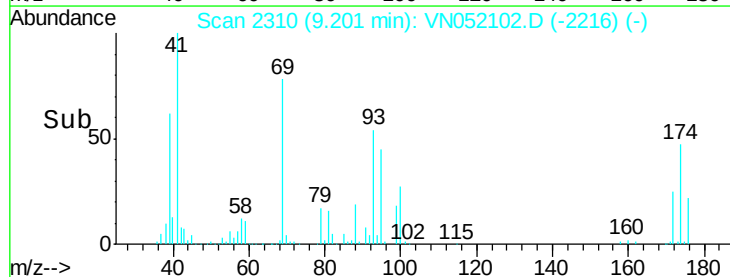
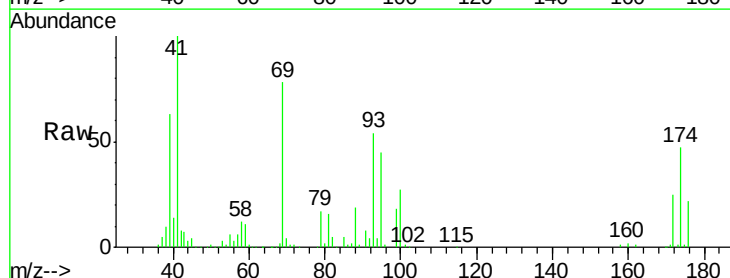
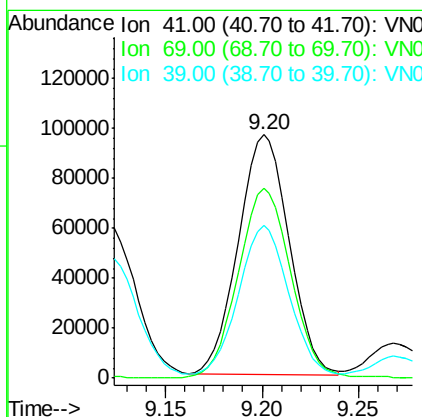
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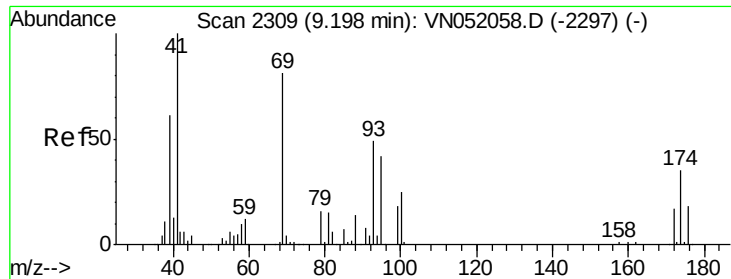
MMDadoda
 11/2/2018 9:21:31 AM



#48
 Methyl methacrylate
 Concen: 46.431 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	175488		
69	82.3	67.1	100.7	
39	64.1	50.5	75.7	





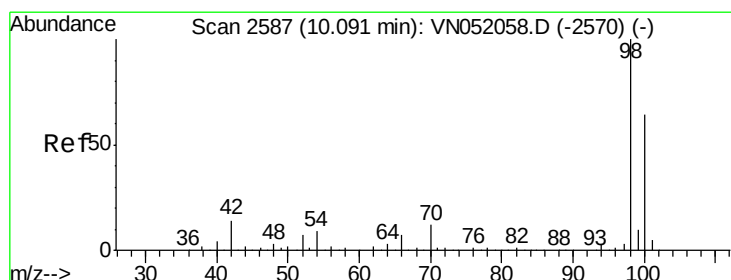
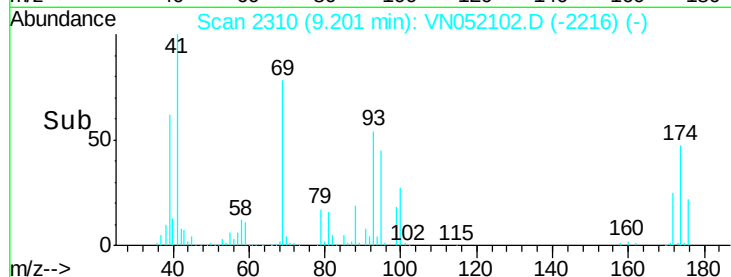
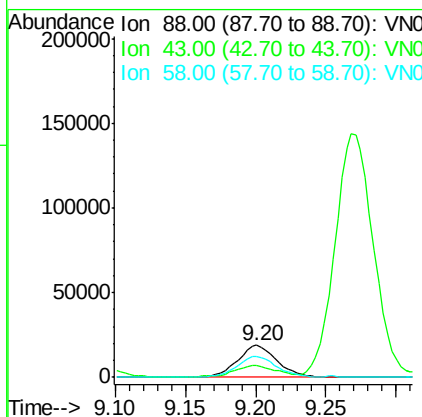
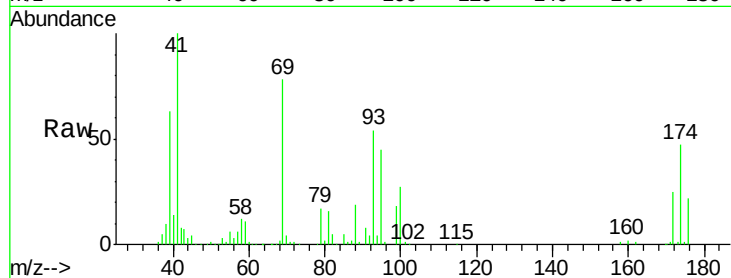
#49
1,4-Dioxane
Concen: 1168.313 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	37163		
43	37.5	34.1	51.1	
58	66.2	62.8	94.2	

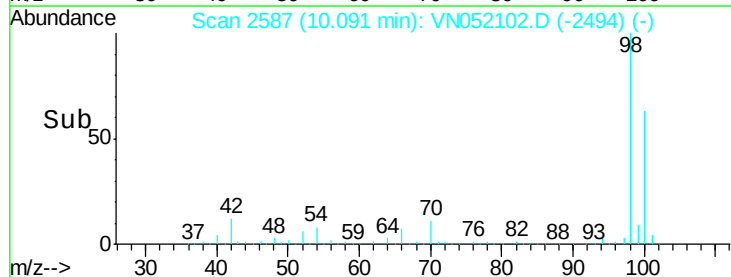
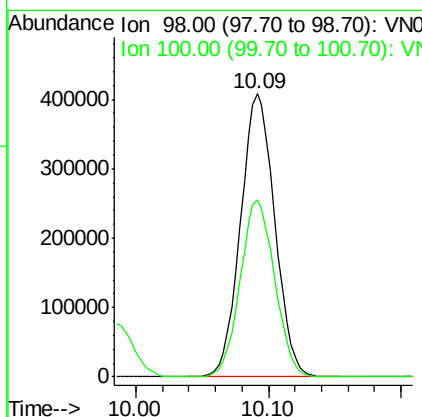
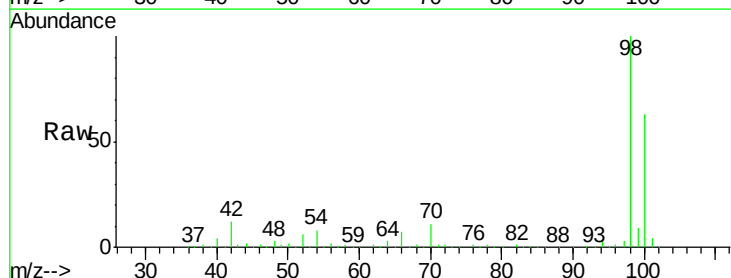
Manual Integrations
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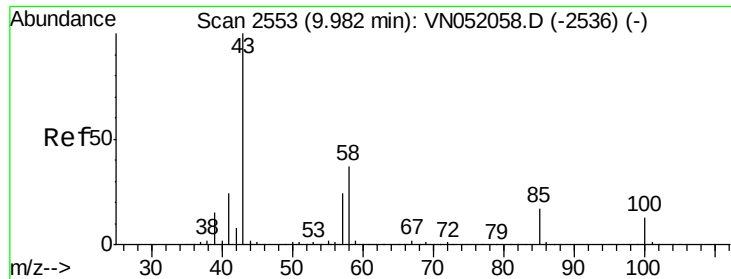
MMDadoda
11/2/2018 9:21:31 AM



#50
Toluene-d8
Concen: 1168.313 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	730497		
100	62.8	51.4	77.2	





#51

4-Methyl-2-Pentanone

Concen: 242.542 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 982748

Ion Ratio Lower Upper

43 100

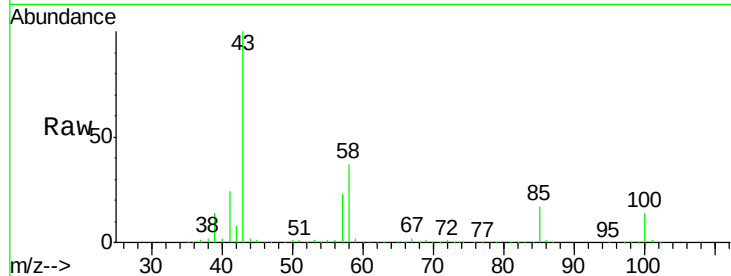
58 36.8 29.7 44.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

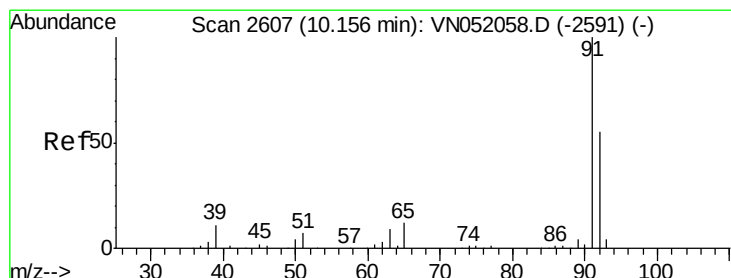
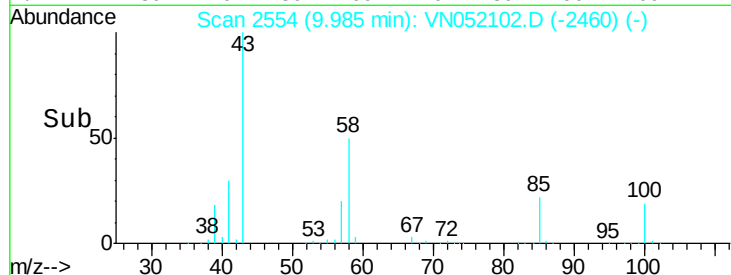
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 49.045 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052102.D

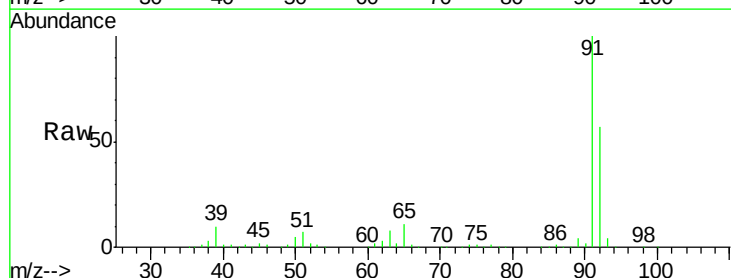
Acq: 1 Nov 2018 14:41

Tgt Ion: 92 Resp: 536248

Ion Ratio Lower Upper

92 100

91 176.7 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

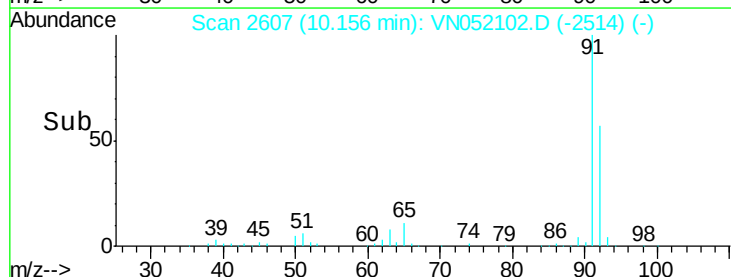
100000

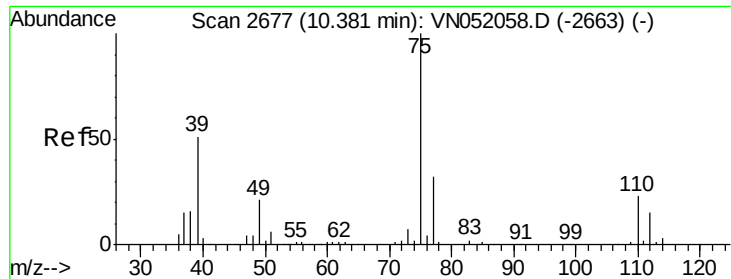
0

10.10

10.20

Time-->





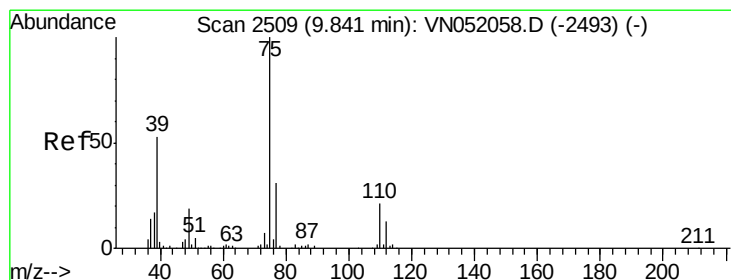
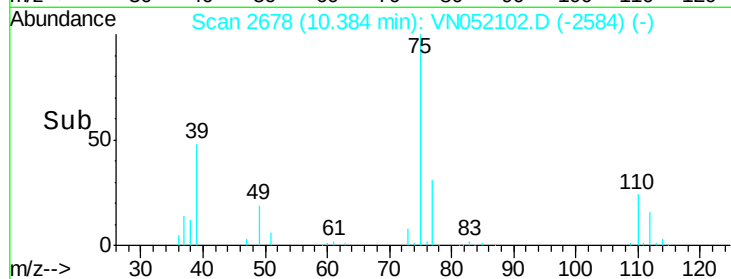
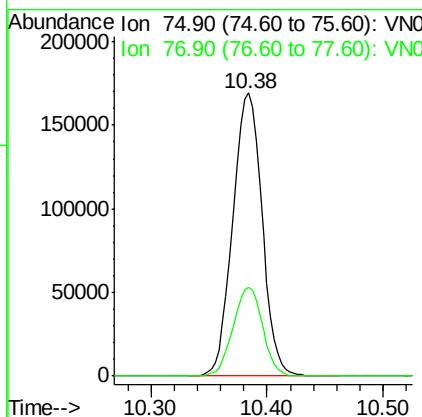
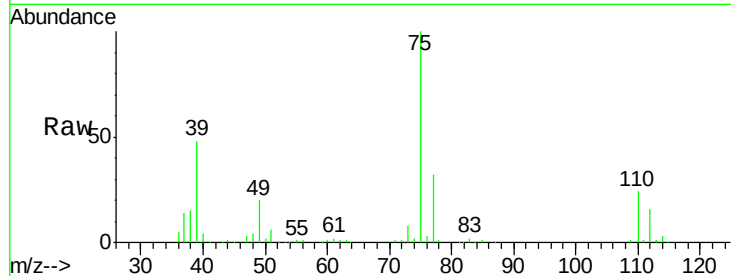
#53
t-1,3-Dichloropropene
Concen: 46.478 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 295536
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

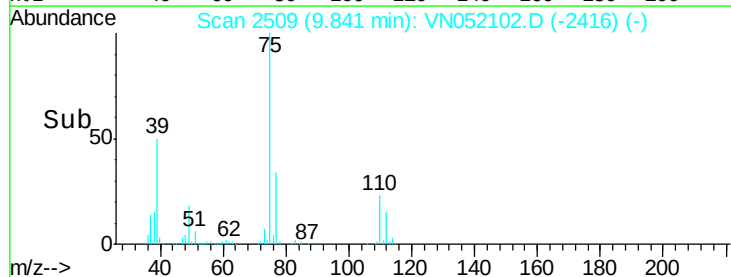
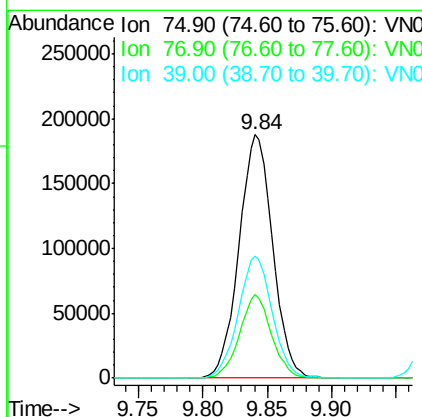
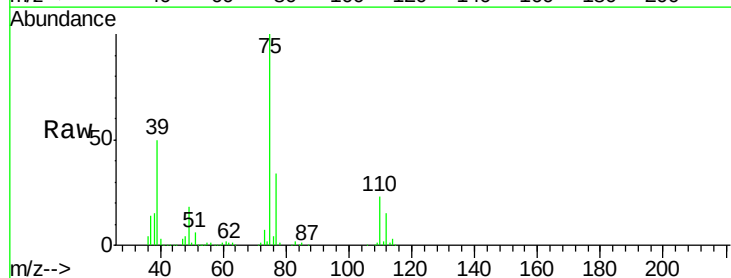
Manual Integrations
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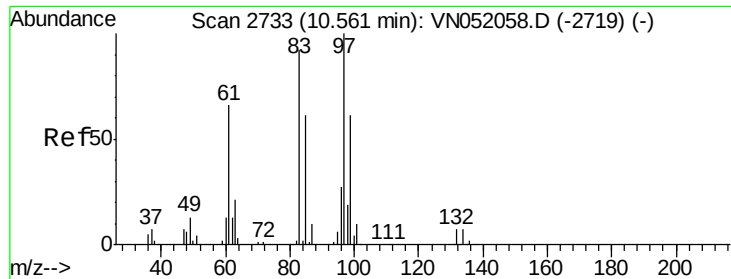
MMDadoda
11/2/2018 9:21:31 AM



#54
cis-1,3-Dichloropropene
Concen: 48.203 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 75 Resp: 340397
Ion Ratio Lower Upper
75 100
77 34.1 25.0 37.4
39 50.2 42.3 63.5





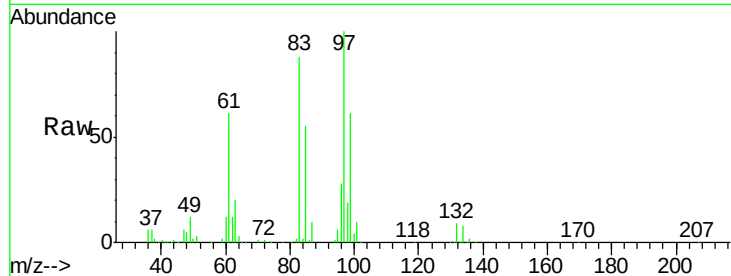
#55
 1,1,2-Trichloroethane
 Concen: 49.970 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	73.8	110.8
85	55.1	48.4	72.6
99	61.3	48.6	72.8

Manual Integrations
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MMDadoda
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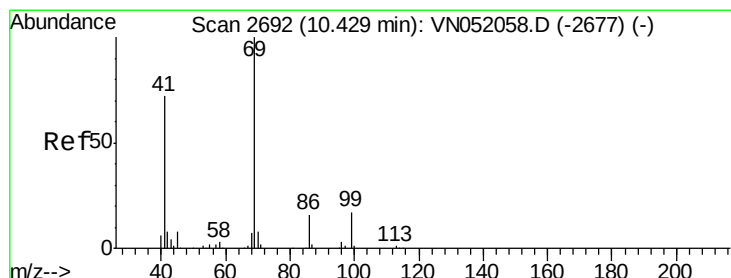
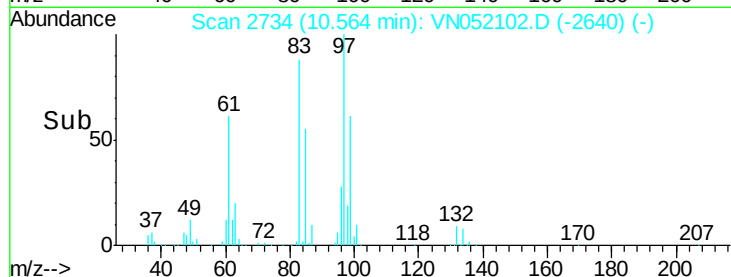
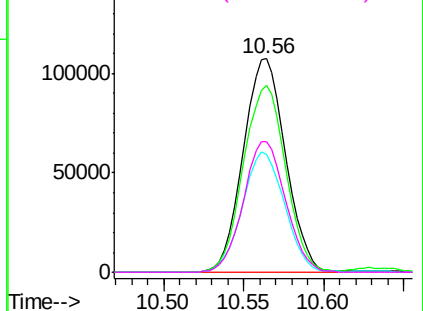


Abundance Ion 96.90 (96.60 to 97.60): VN052102.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN052102.D (-2640) (-)

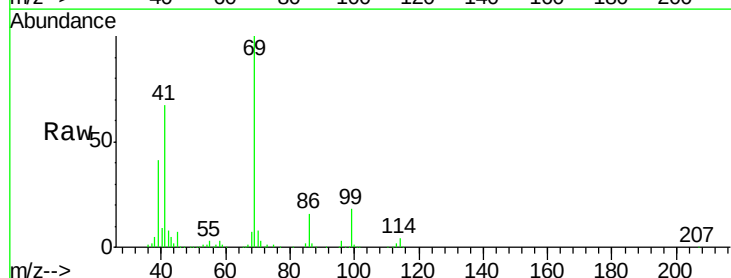
Ion 84.90 (84.60 to 85.60): VN052102.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN052102.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 47.395 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

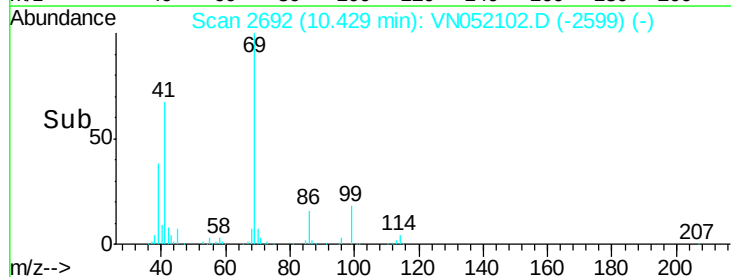
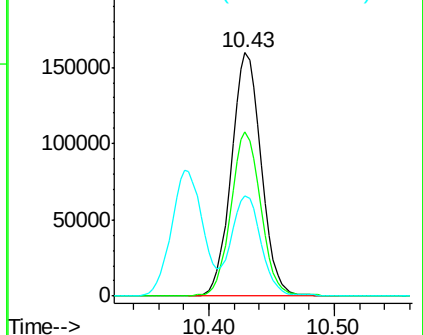
Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	55.5	83.3
39	41.7	33.0	49.4

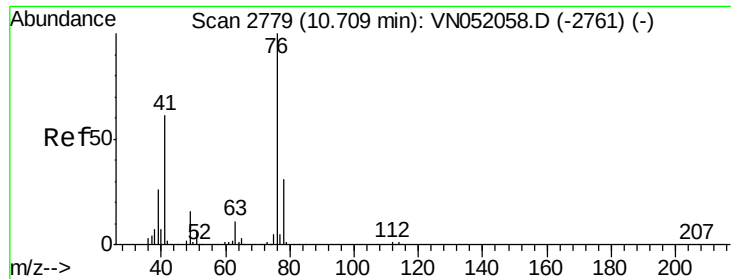


Abundance Ion 69.00 (68.70 to 69.70): VN052102.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN052102.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN052102.D (-2599) (-)





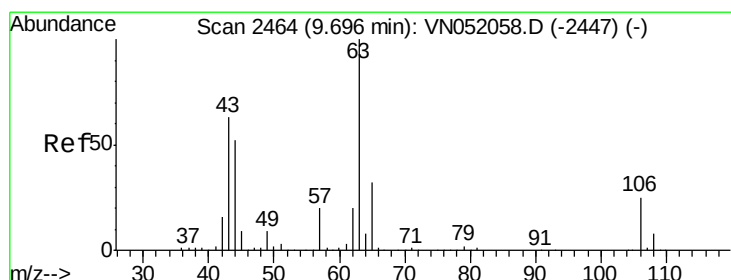
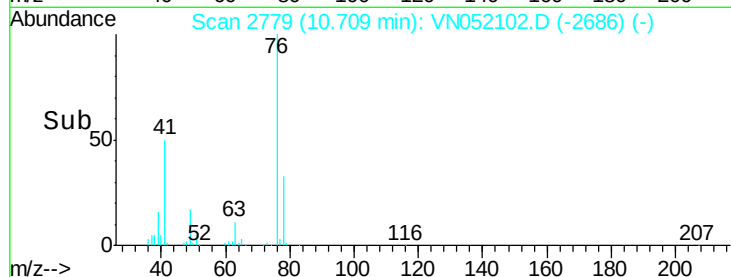
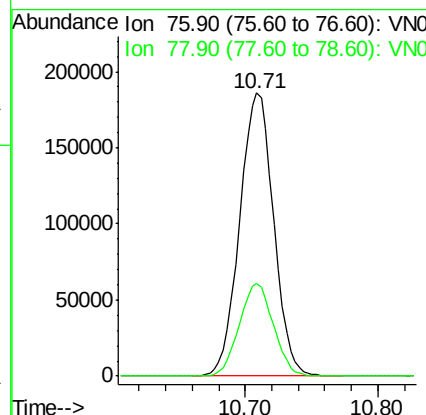
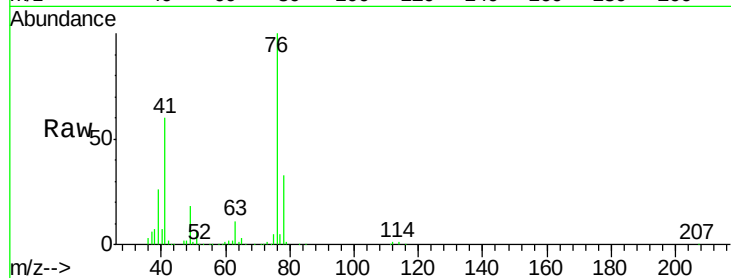
#57
 1,3-Dichloropropane
 Concen: 46.069 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 330107
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0

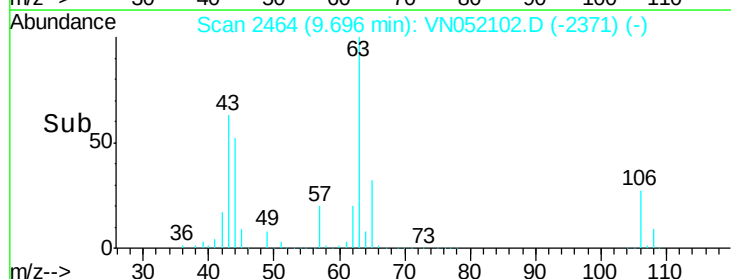
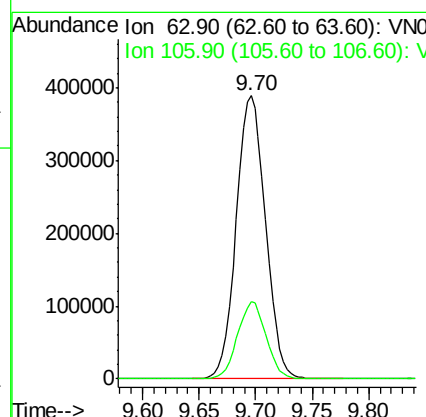
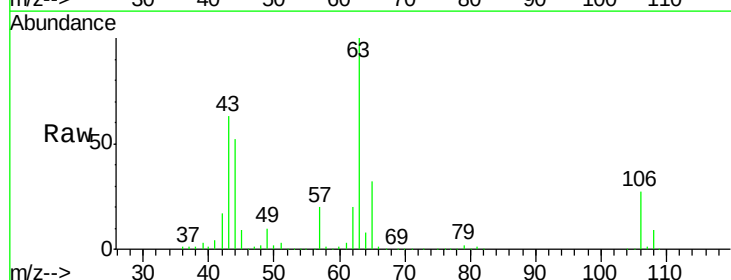
Manual Integrations
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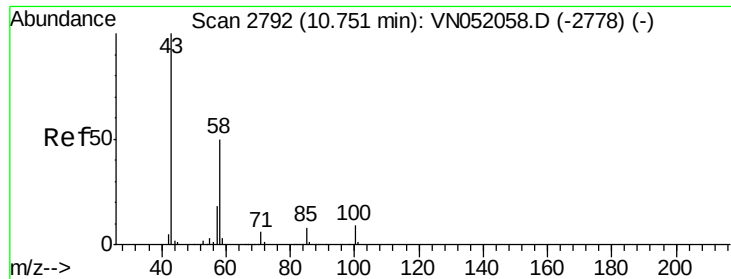
MMDadoda
 11/2/2018 9:21:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.739 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 63 Resp: 701469
 Ion Ratio Lower Upper
 63 100
 106 26.6 19.4 29.2





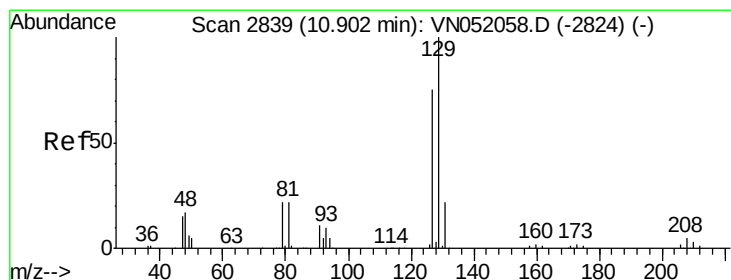
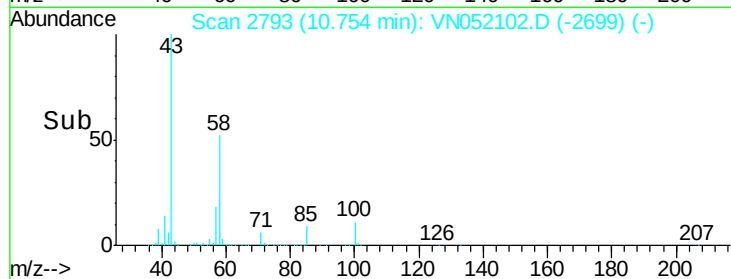
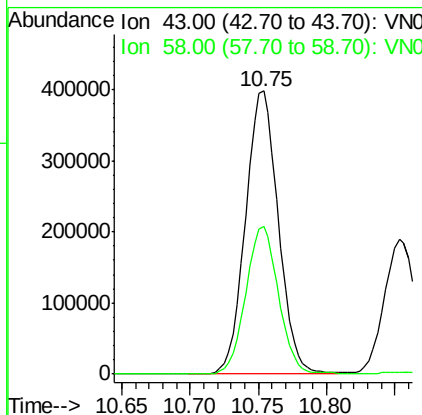
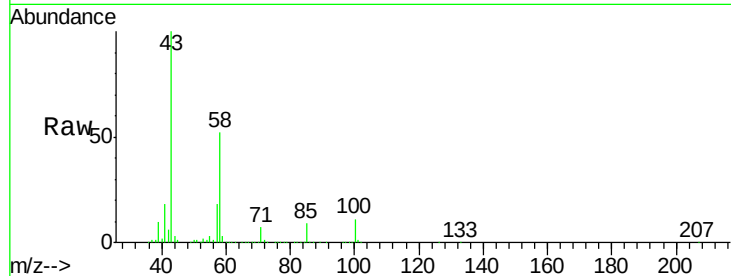
#59
2-Hexanone
Concen: 229.717 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 663295
Ion Ratio Lower Upper
43 100
58 52.2 25.2 75.6

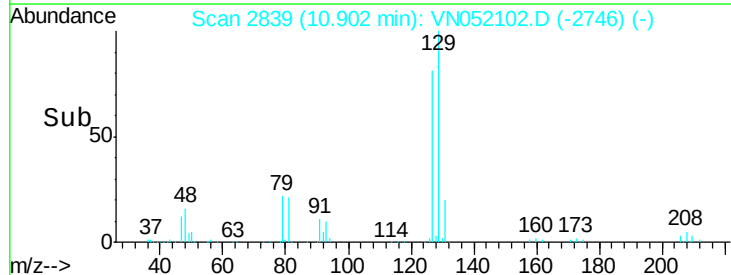
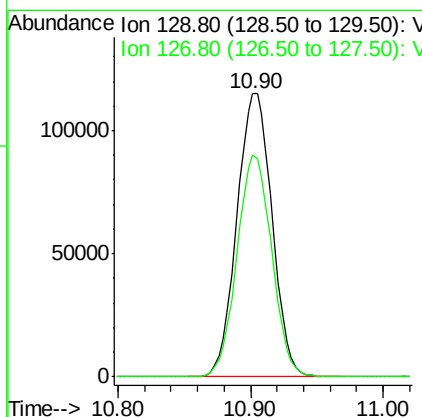
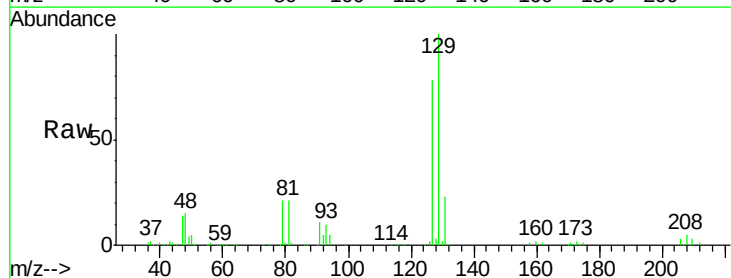
Manual Integrations
APPROVED

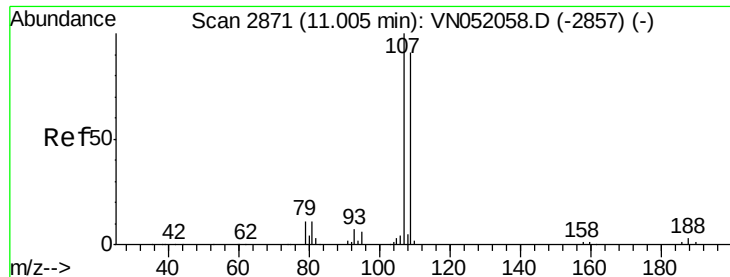
MMDadoda
11/2/2018 9:21:31 AM



#60
Dibromochloromethane
Concen: 55.156 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 129 Resp: 211456
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





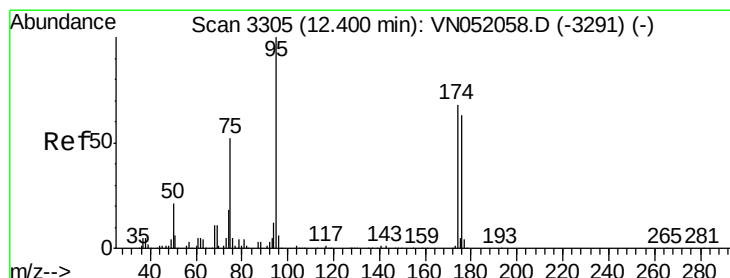
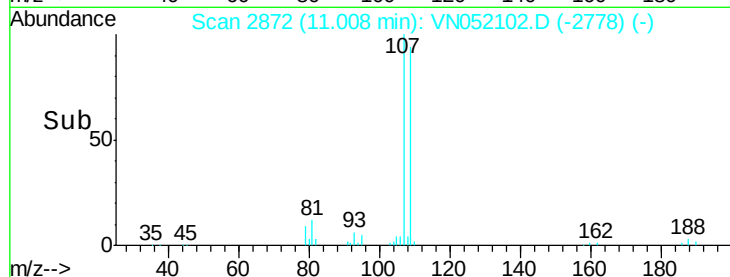
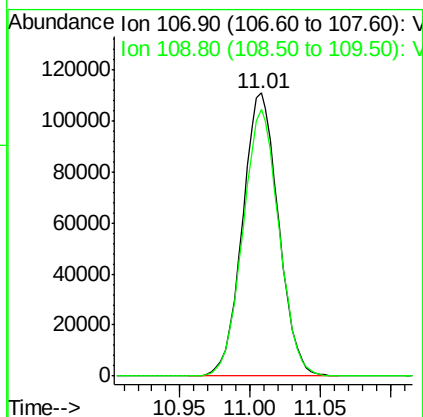
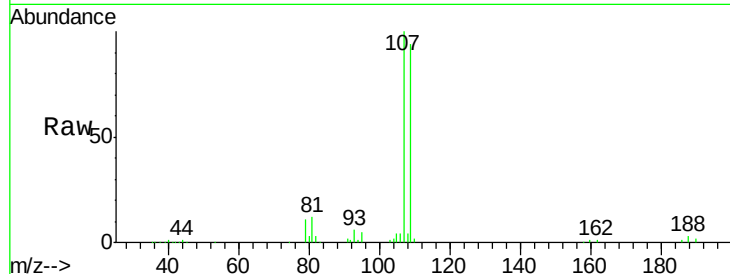
#61
1,2-Dibromoethane
Concen: 51.143 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 197992
Ion Ratio Lower Upper
107 100
109 94.5 75.1 112.7

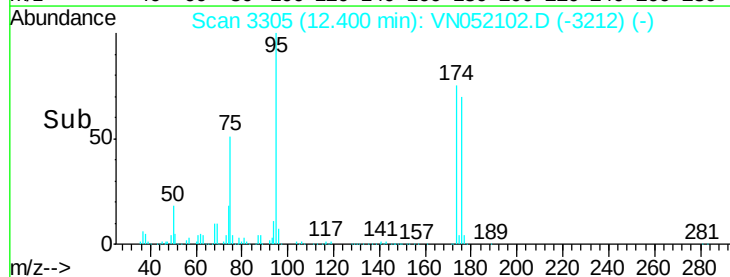
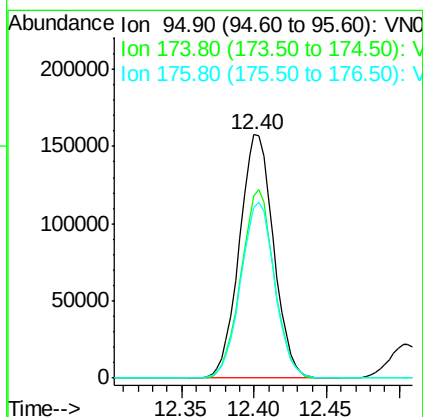
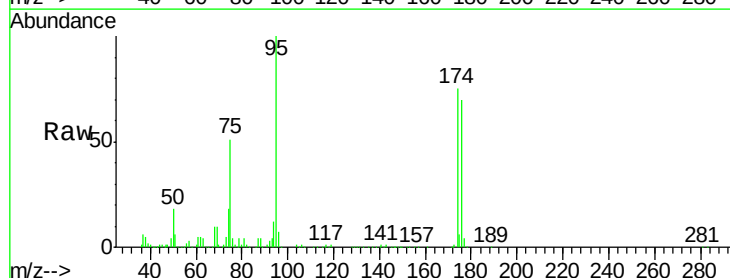
Manual Integrations
APPROVED

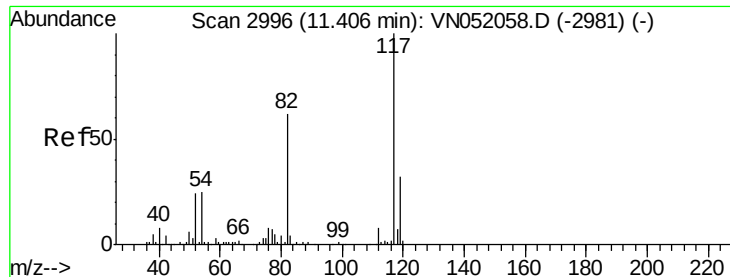
MMDadoda
11/2/2018 9:21:31 AM



#62
4-Bromofluorobenzene
Concen: 51.143 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 95 Resp: 258871
Ion Ratio Lower Upper
95 100
174 74.8 0.0 131.8
176 71.8 0.0 126.0





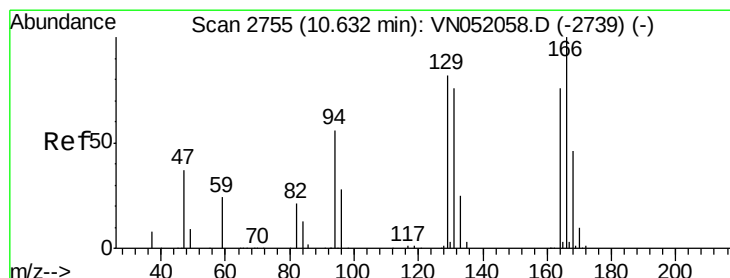
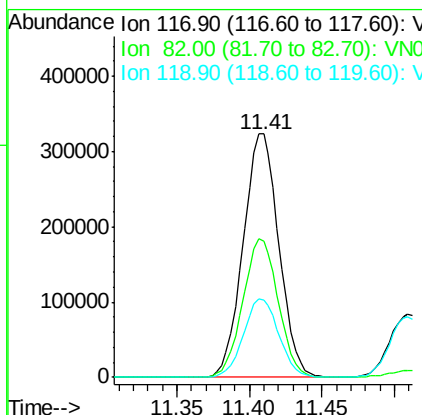
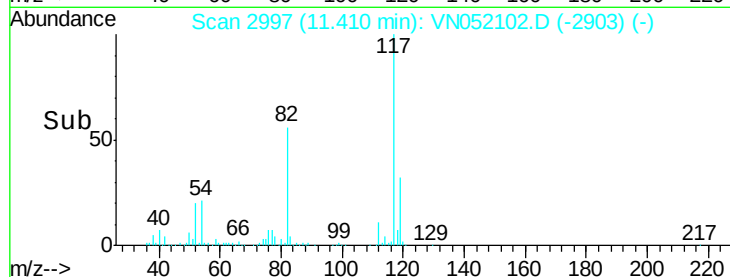
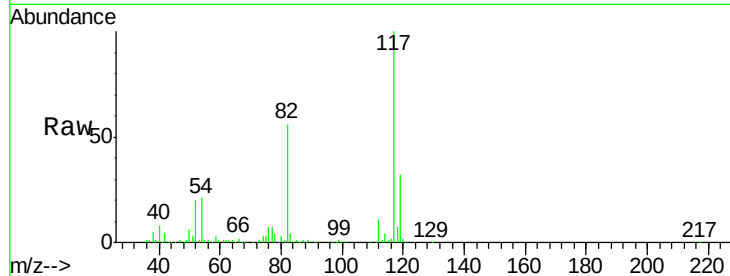
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	554232		
82	56.1	49.9	74.9	
119	31.9	25.7	38.5	

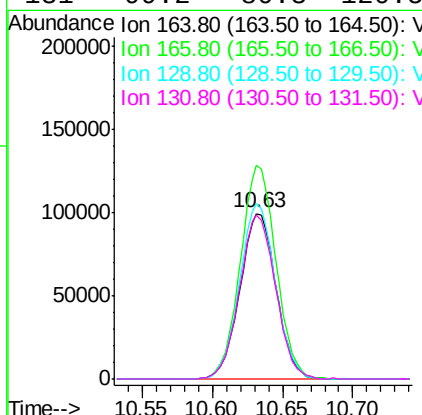
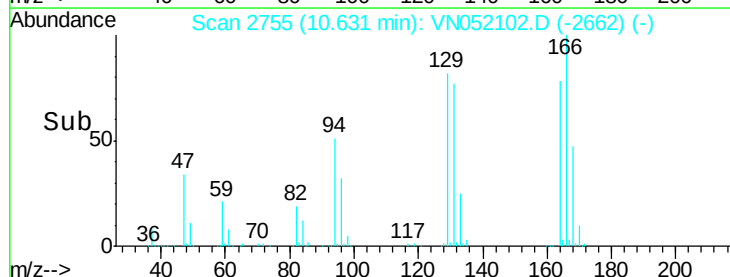
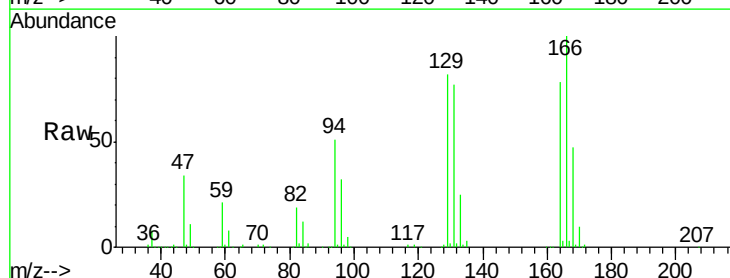
Manual Integrations
APPROVED

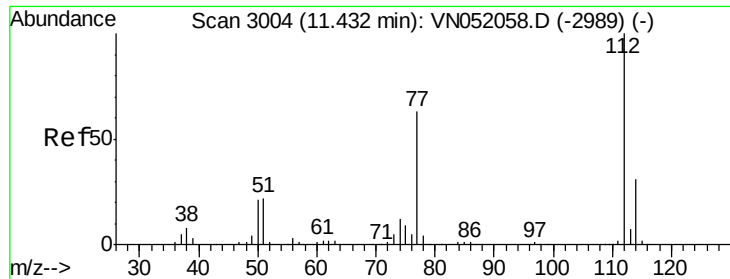
MMDadoda
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#64
Tetrachloroethene
Concen: 53.493 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179609		
166	128.9	105.4	158.0	
129	105.7	86.1	129.1	
131	99.2	80.3	120.5	





#65

Chlorobenzene

Concen: 50.473 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion:112 Resp: 589188

Ion Ratio Lower Upper

112 100

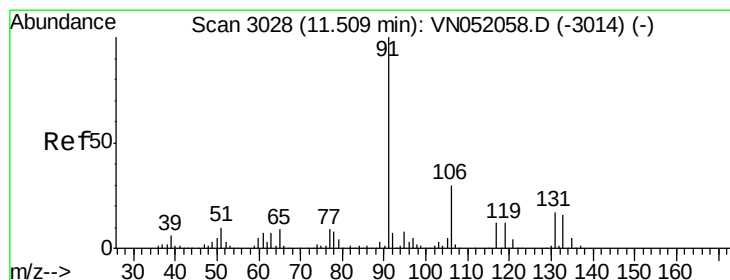
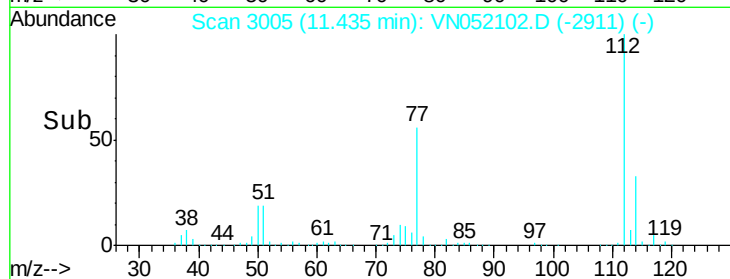
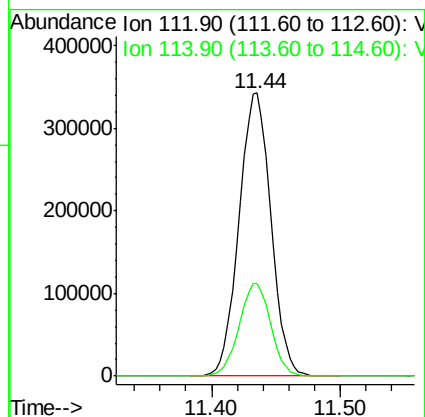
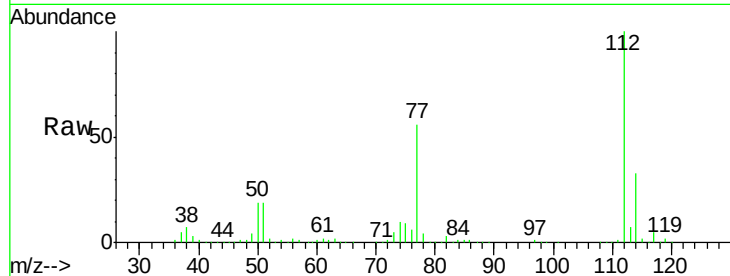
114 32.6 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 57.128 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

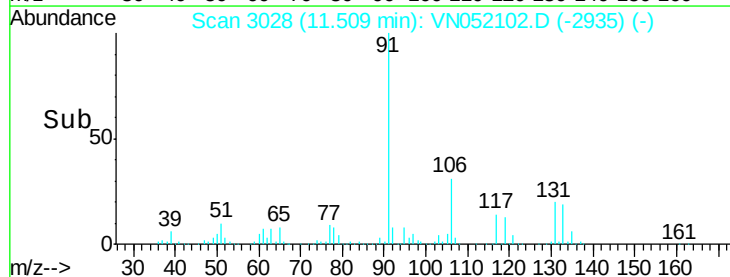
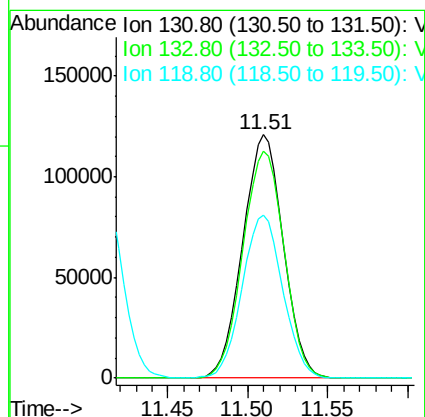
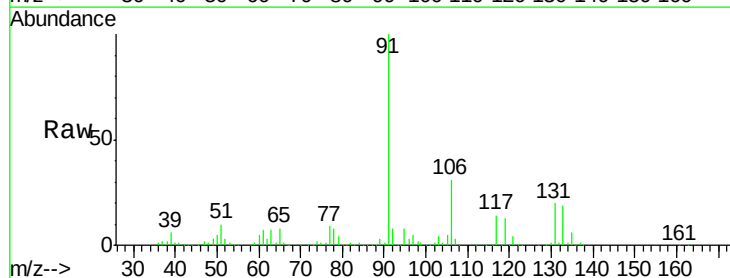
Tgt Ion:131 Resp: 209395

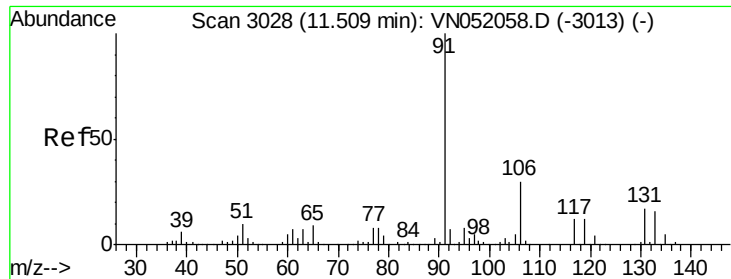
Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

119 66.9 34.4 103.2





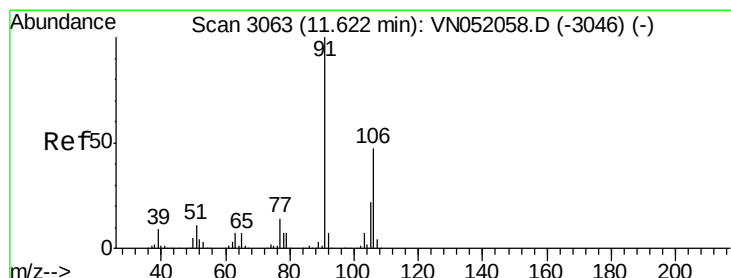
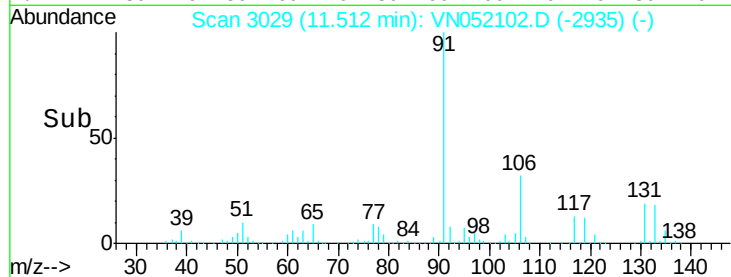
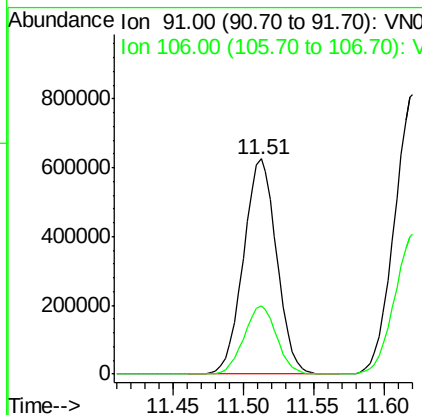
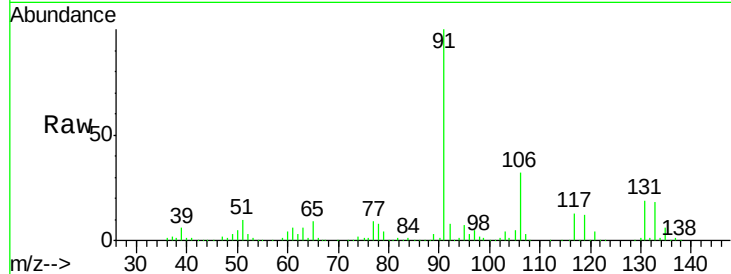
#67
Ethyl Benzene
Concen: 49.579 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1032093
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1

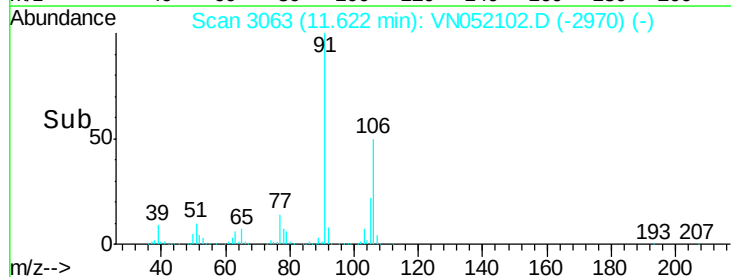
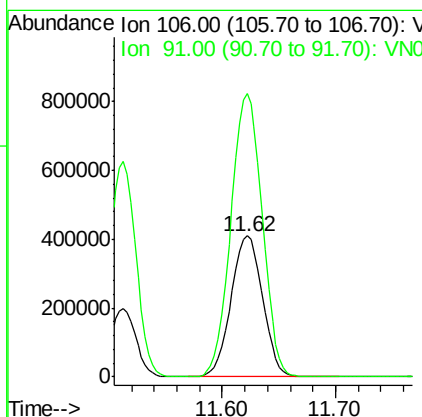
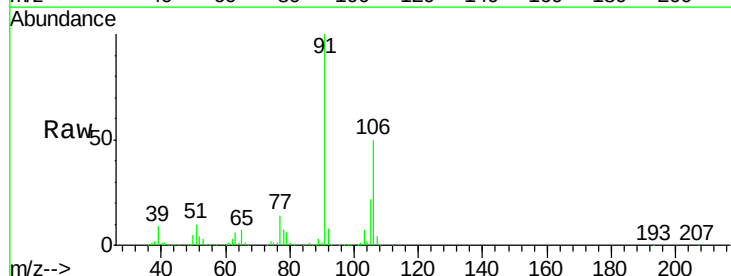
Manual Integrations
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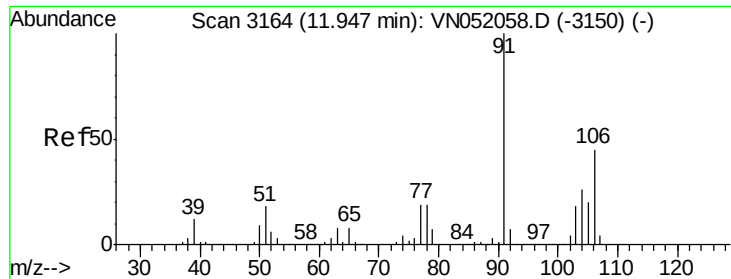
MMDadoda
11/2/2018 9:21:31 AM



#68
m/p-Xylenes
Concen: 106.519 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 106 Resp: 793685
Ion Ratio Lower Upper
106 100
91 199.5 168.7 253.1





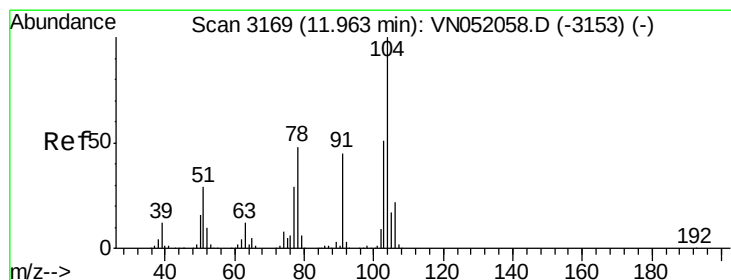
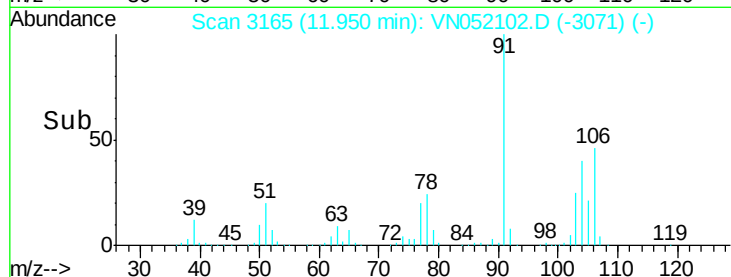
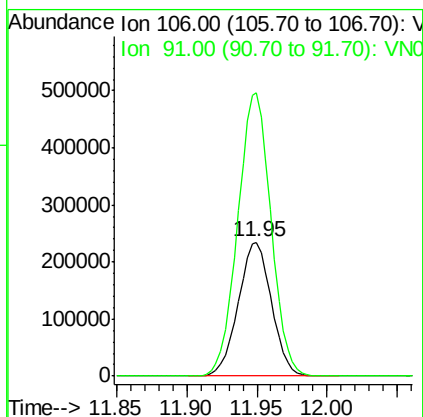
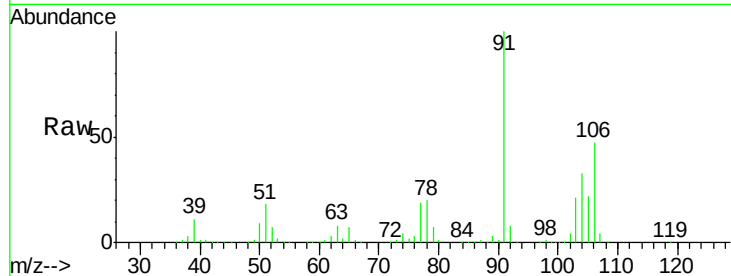
#69
o-Xylene
Concen: 52.466 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 386830
Ion Ratio Lower Upper
106 100
91 211.9 109.6 328.6

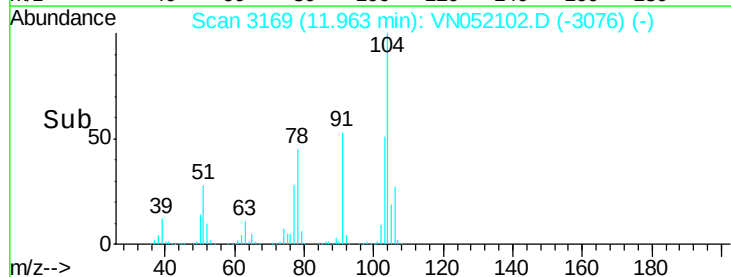
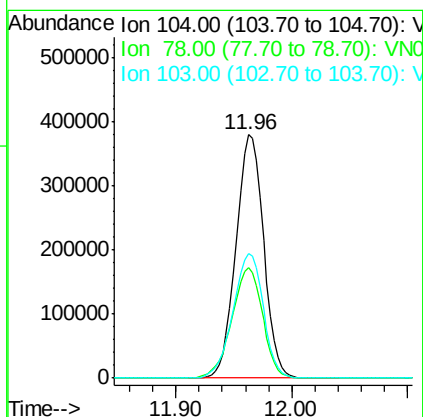
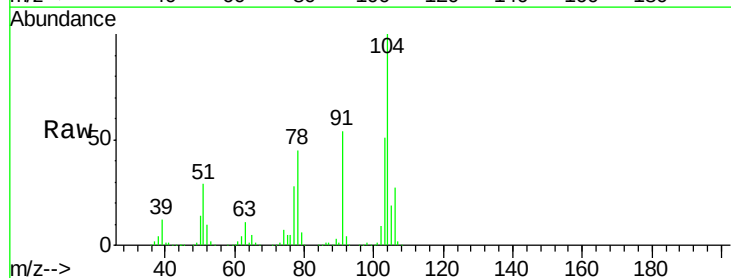
Manual Integrations
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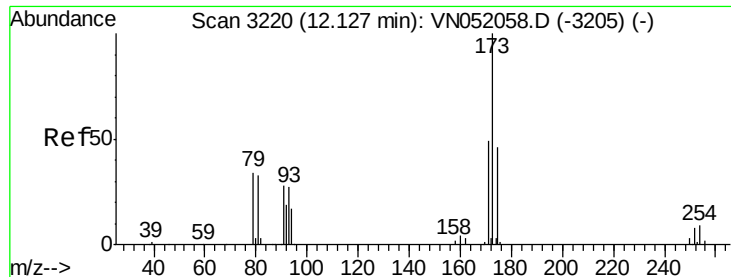
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#70
Styrene
Concen: 52.400 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion:104 Resp: 625127
Ion Ratio Lower Upper
104 100
78 50.4 43.0 64.6
103 56.3 45.1 67.7





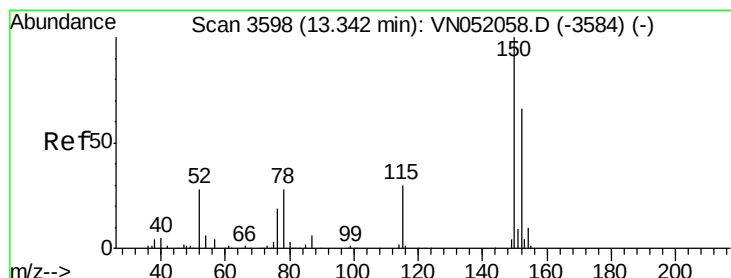
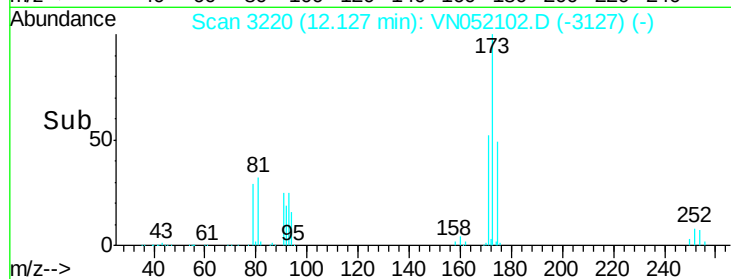
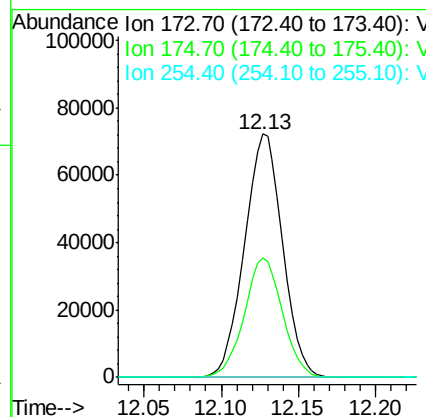
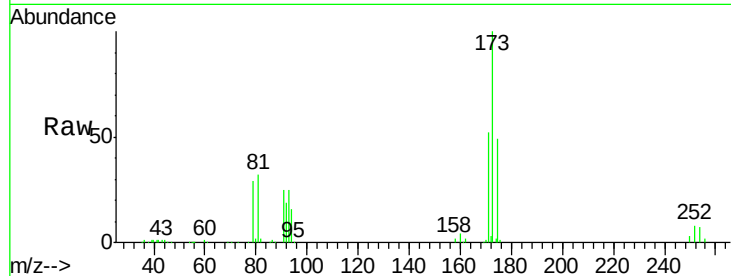
#71
Bromoform
Concen: 52.290 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	123414		
175	49.2	23.9	71.7	
254	0.0	0.0	0.0	

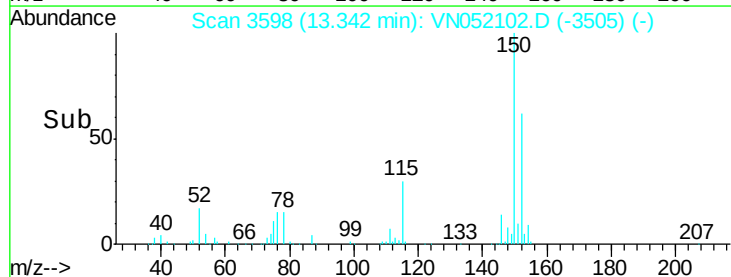
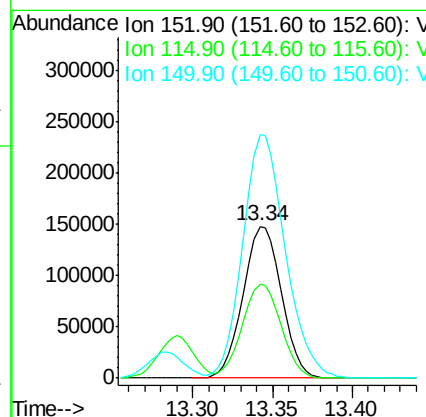
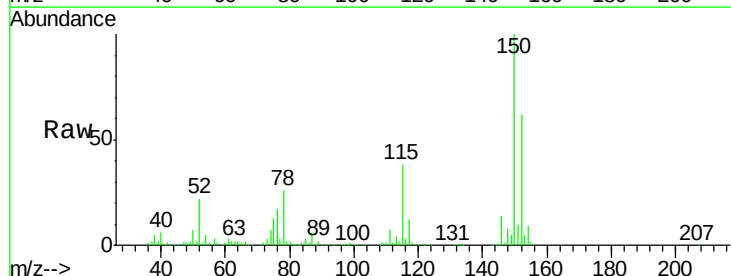
Manual Integrations
APPROVED

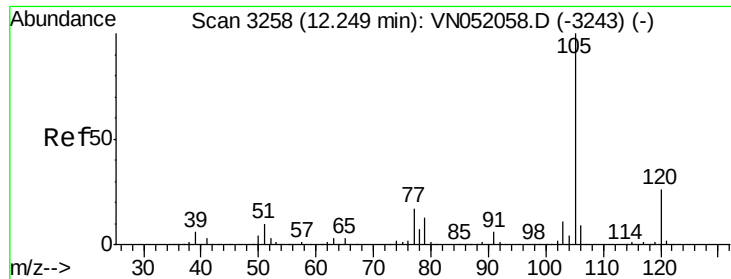
MMDadoda
11/2/2018 9:21:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	241267		
115	62.8	31.6	95.0	
150	178.5	0.0	345.0	





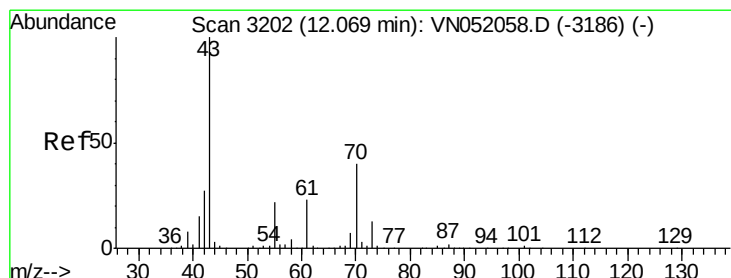
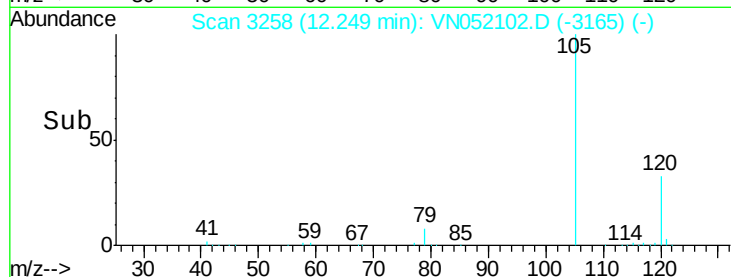
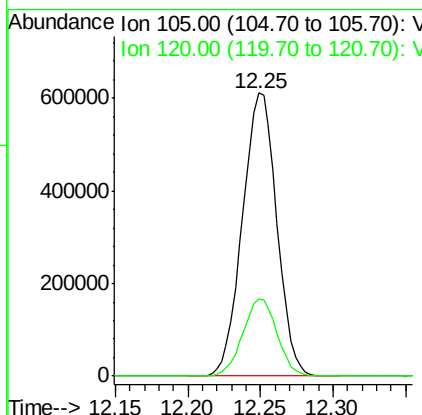
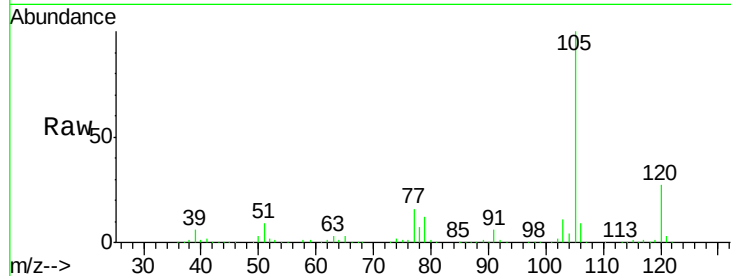
#73
Isopropylbenzene
Concen: 48.777 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 1006360
Ion Ratio Lower Upper
105 100
120 27.0 12.8 38.4

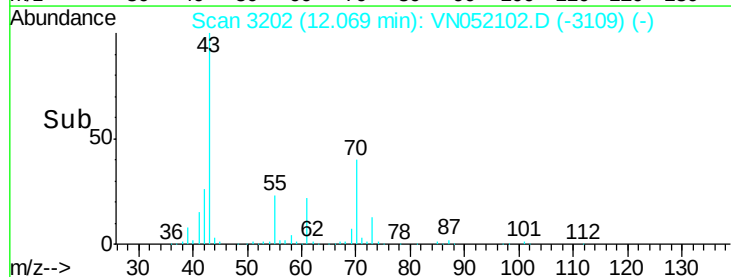
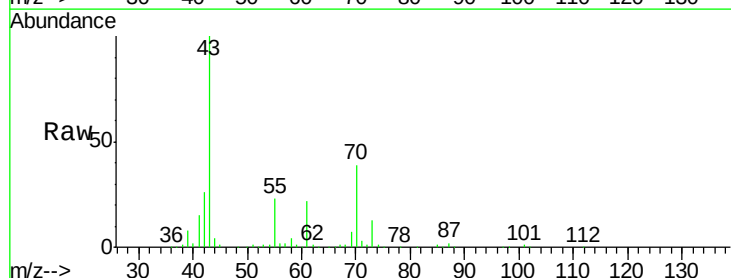
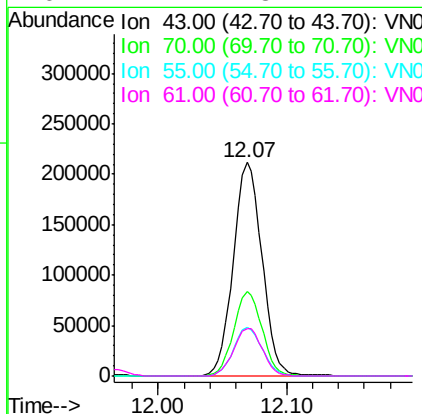
Manual Integrations
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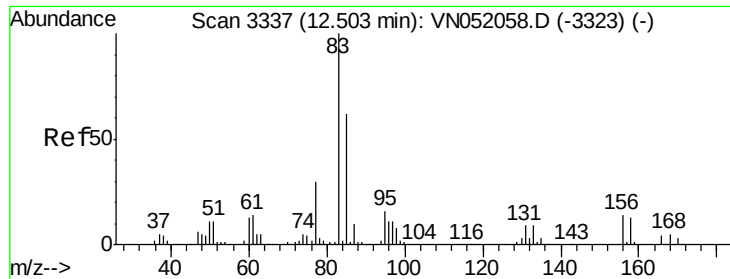
MMDadoda
11/2/2018 9:21:31 AM



#74
N-ethyl acetate
Concen: 45.642 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 43 Resp: 328638
Ion Ratio Lower Upper
43 100
70 38.8 31.9 47.9
55 22.8 18.4 27.6
61 22.4 18.2 27.4





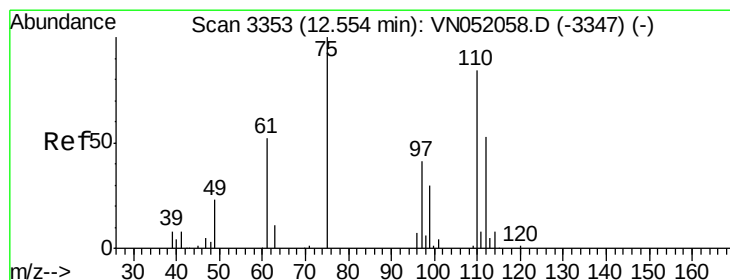
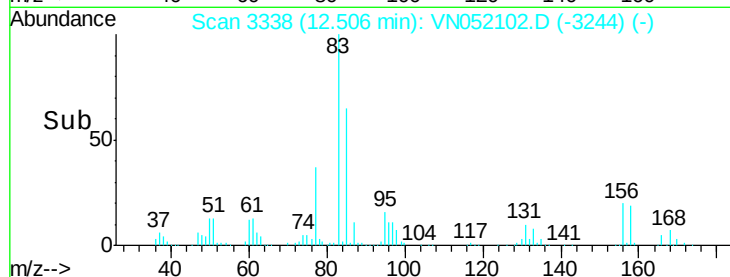
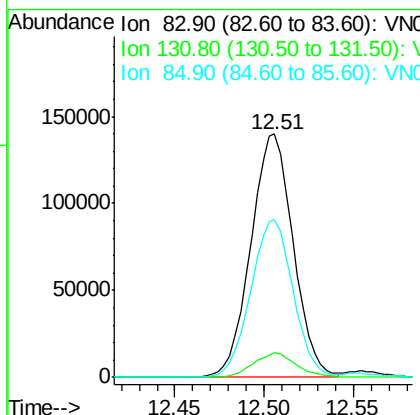
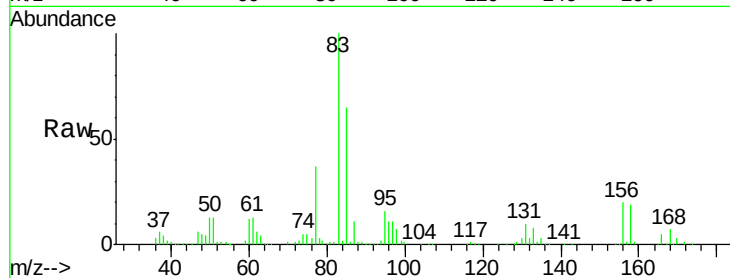
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.986 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	232453		
131	10.3	4.5	13.4	
85	64.9	31.3	93.9	

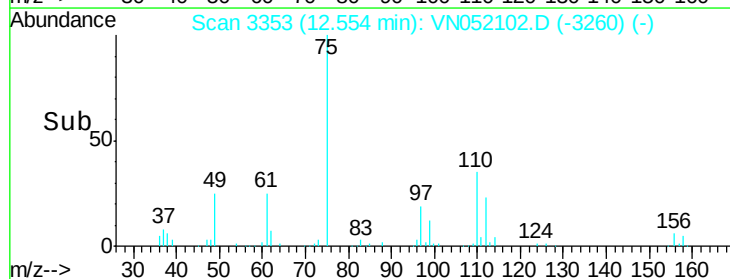
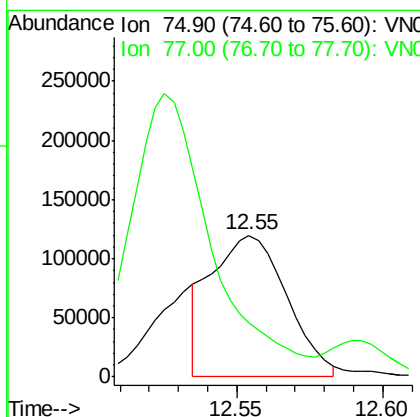
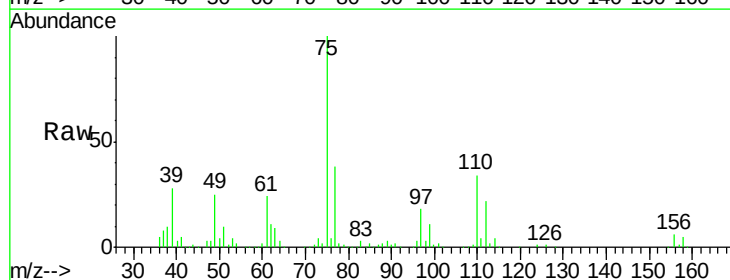
Manual Integrations
 APPROVED

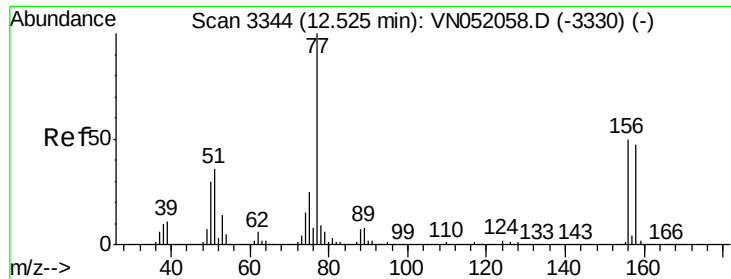
MMDadoda
 11/2/2018 9:21:31 AM



#76
 1,2,3-Trichloropropane
 Concen: 48.531 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	214339		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 54.514 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

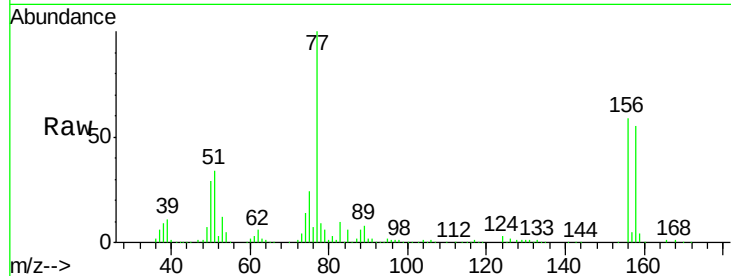
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	199.4	119.6	358.6
158	95.0	47.8	143.4

Manual Integrations
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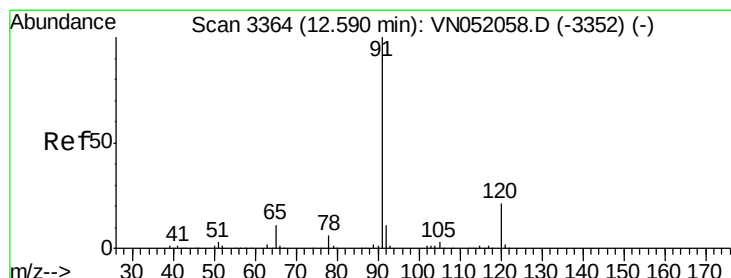
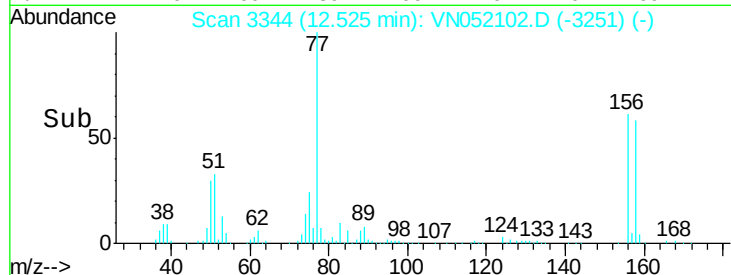
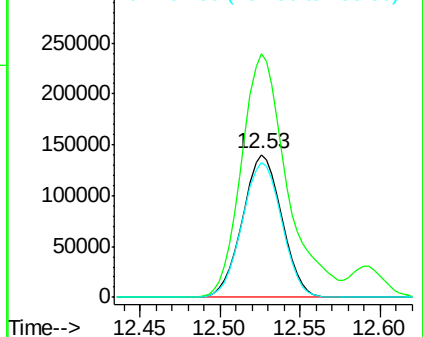
MMDadoda
11/2/2018 9:21:31 AM



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: 46.771 ug/l

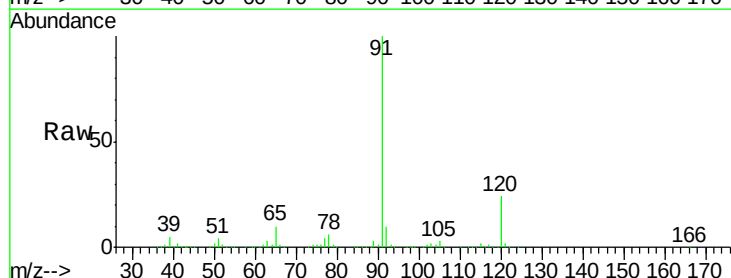
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052102.D

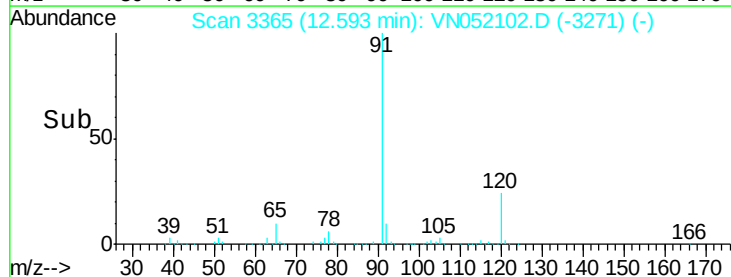
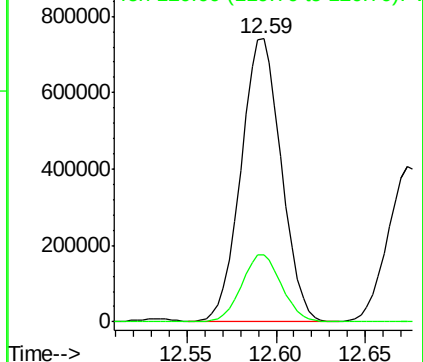
Acq: 1 Nov 2018 14:41

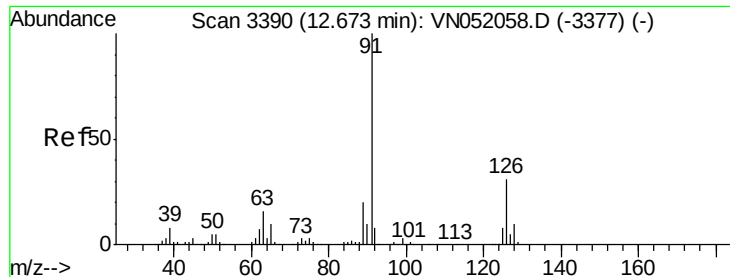
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.561 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 678561

Ion Ratio Lower Upper

91 100

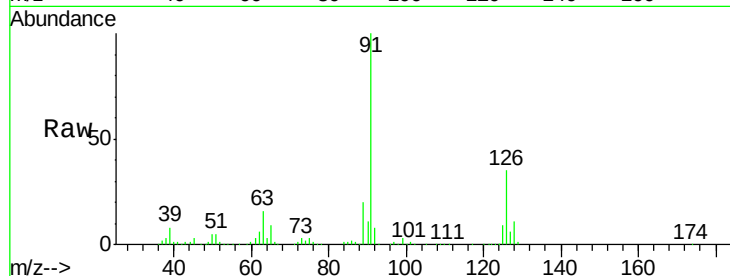
126 35.0 15.9 47.6

Manual Integrations

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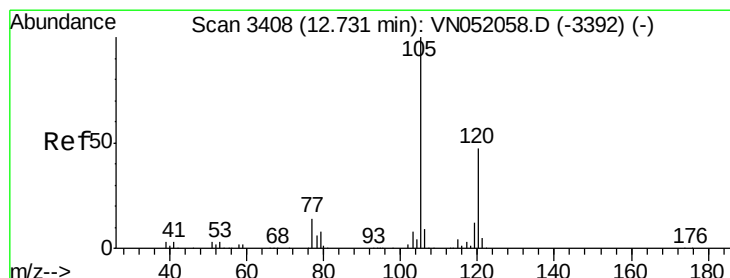
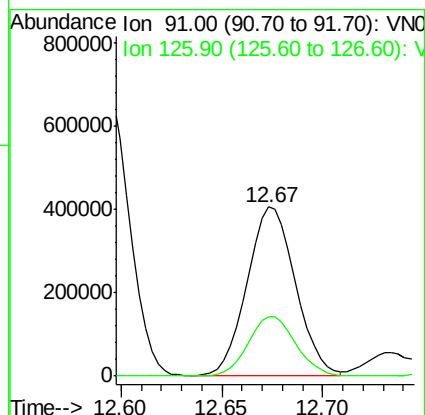
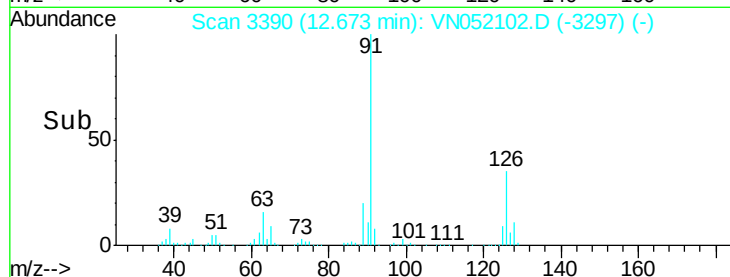
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Abundance Ion 91.00 (90.70 to 91.70): VN052102.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN052102.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.132 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052102.D

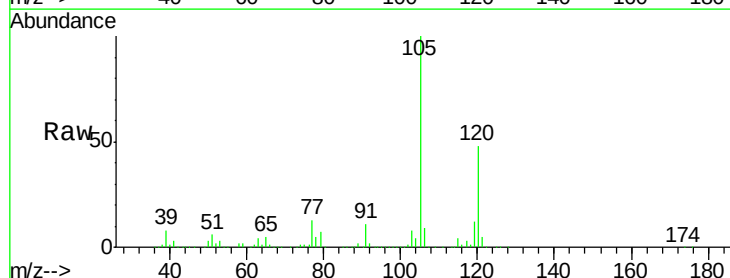
Acq: 1 Nov 2018 14:41

Tgt Ion: 105 Resp: 824891

Ion Ratio Lower Upper

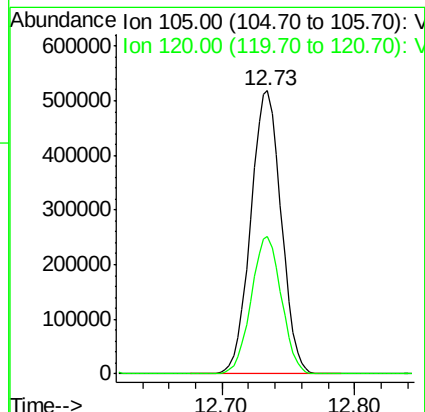
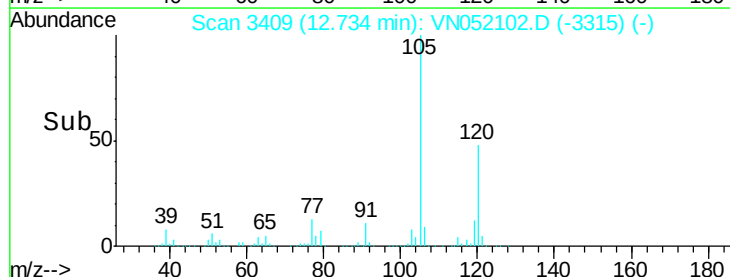
105 100

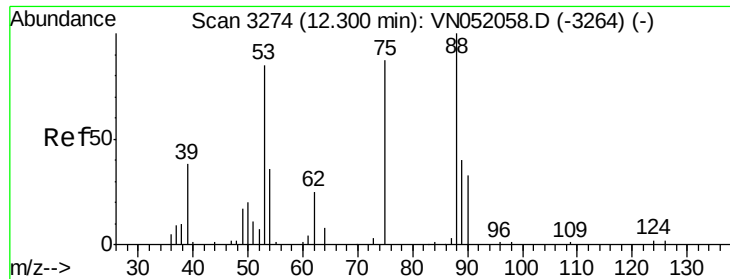
120 48.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052102.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052102.D (-3315) (-)





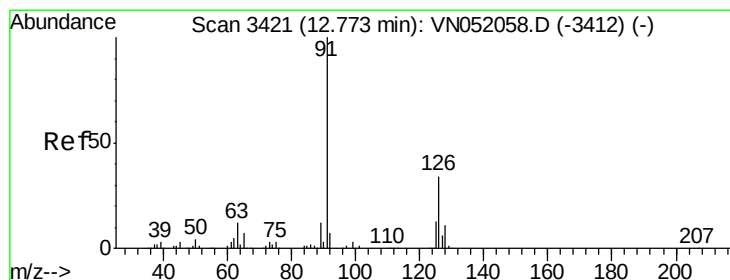
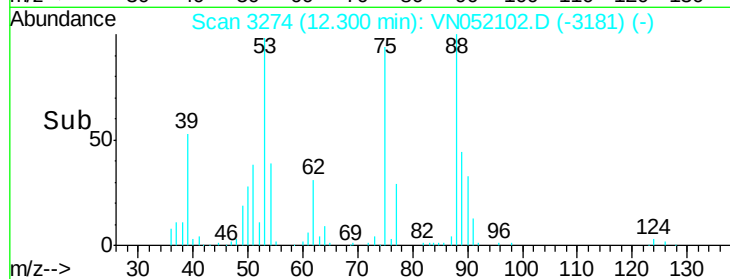
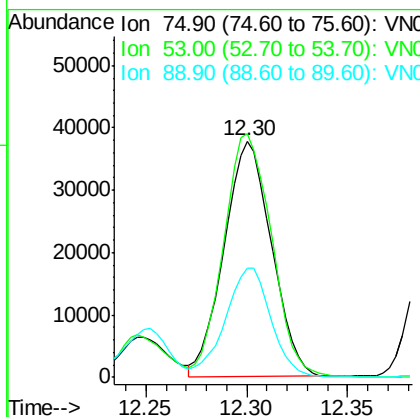
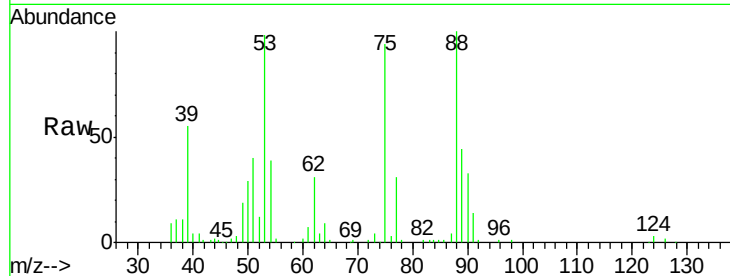
#81
trans-1,4-Dichloro-2-butene
Concen: 46.703 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.0	81.8	122.6
89	44.7	36.6	54.8

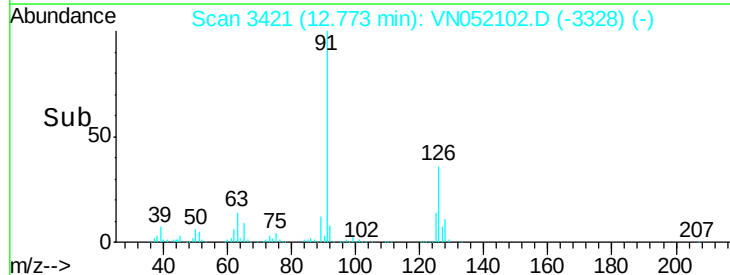
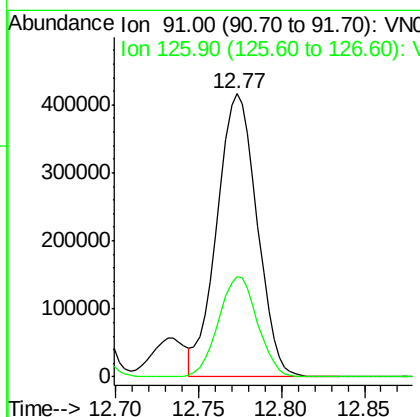
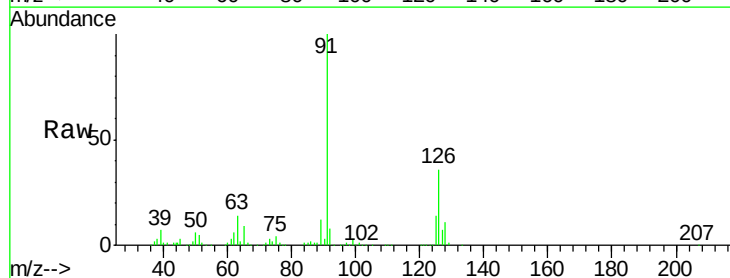
Manual Integrations
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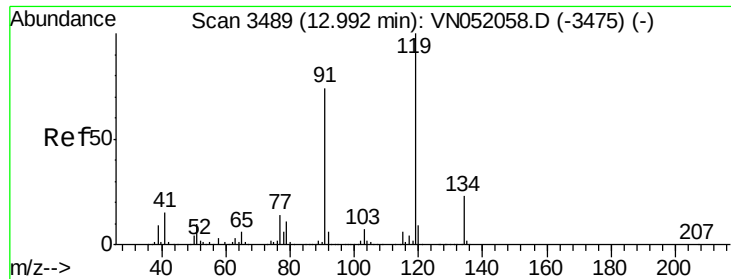
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11/2/2018 9:21:31 AM



#82
4-Chlorotoluene
Concen: 46.961 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	15.7	47.1





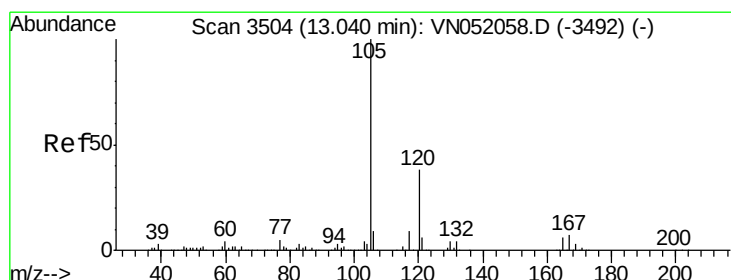
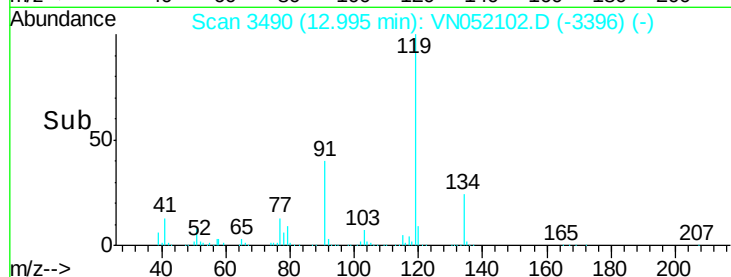
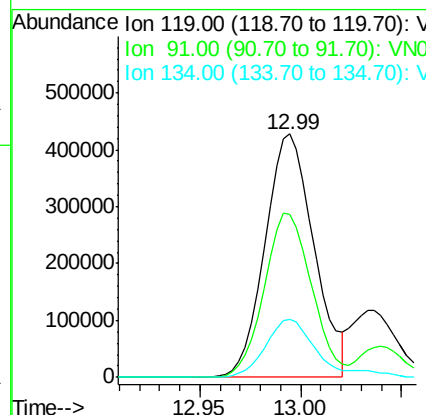
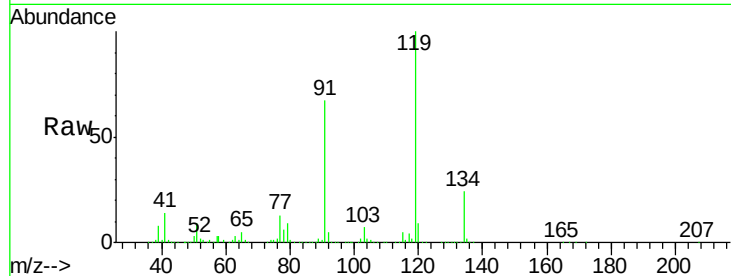
#83
 tert-Butylbenzene
 Concen: 51.148 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.7	36.6	109.9
134	25.4	12.5	37.5

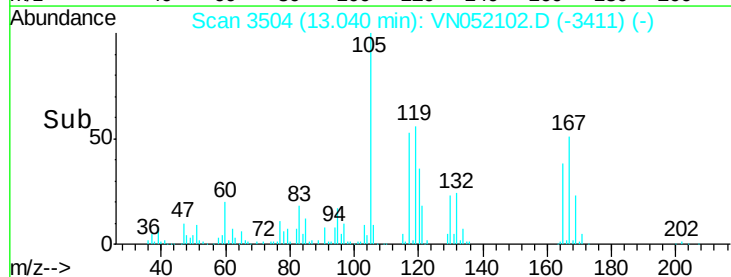
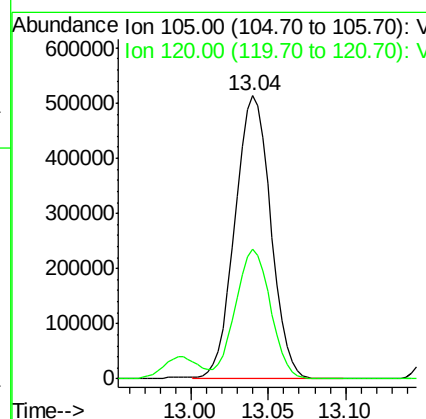
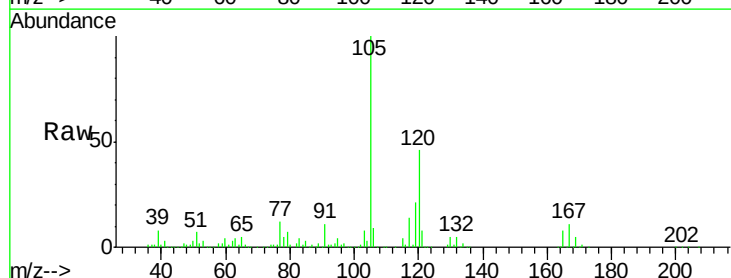
Manual Integrations
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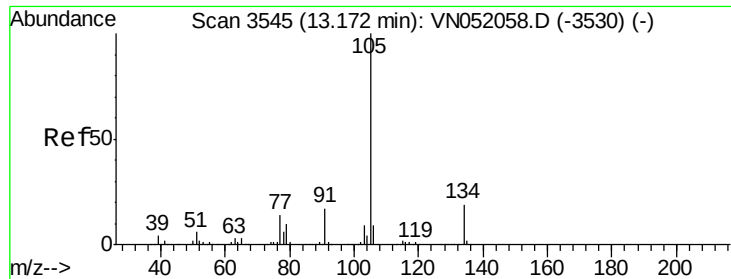
MMDadoda
 11/2/2018 9:21:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.310 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	21.9	65.5





#85

sec-Butylbenzene

Concen: 48.327 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 973647

Ion Ratio Lower Upper

105 100

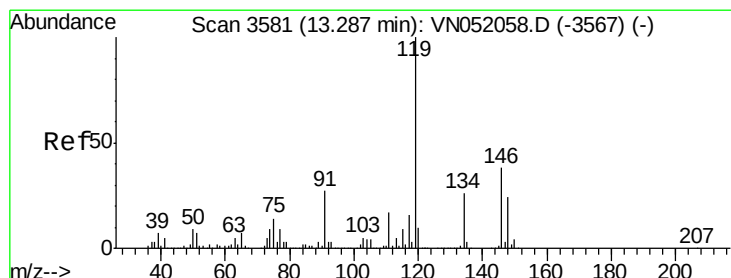
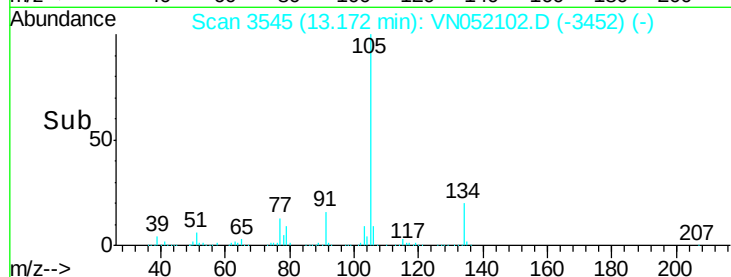
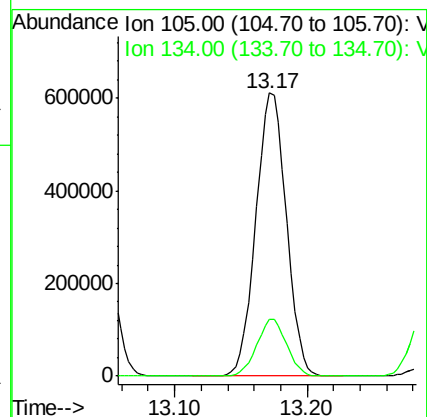
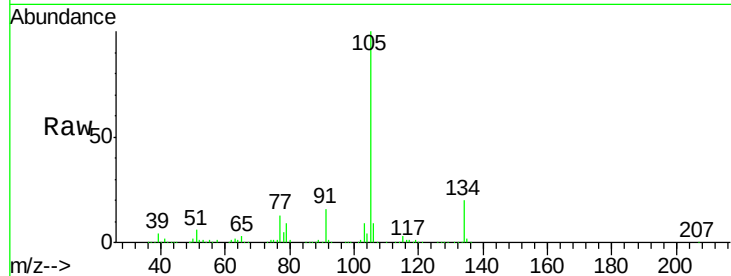
134 19.7 9.1 27.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.478 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

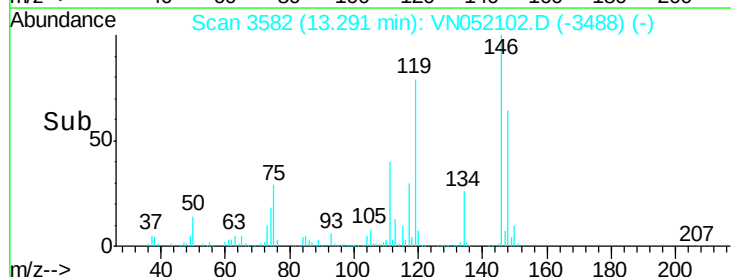
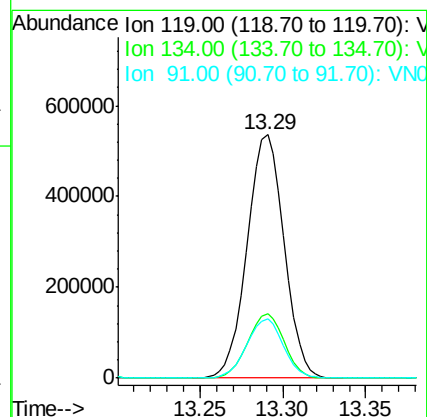
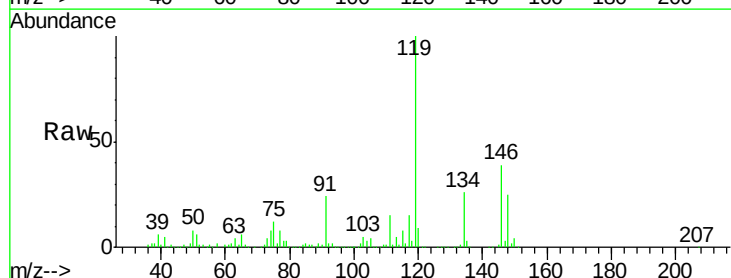
Tgt Ion:119 Resp: 828244

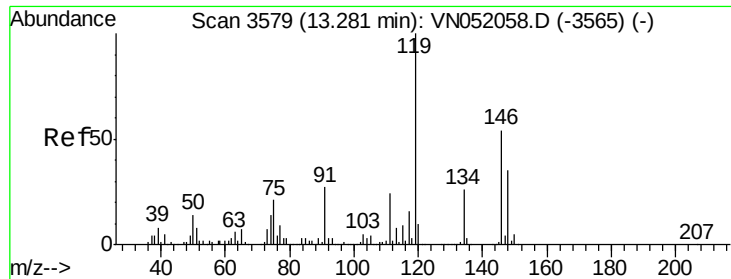
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

91 24.1 13.4 40.2





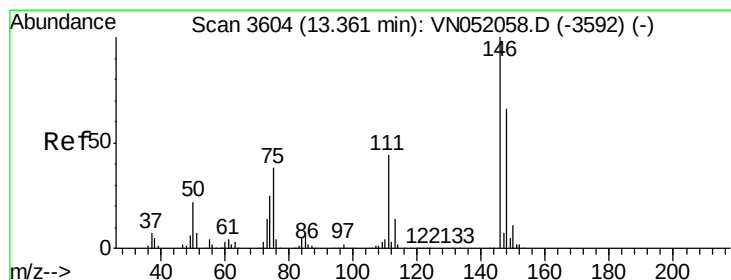
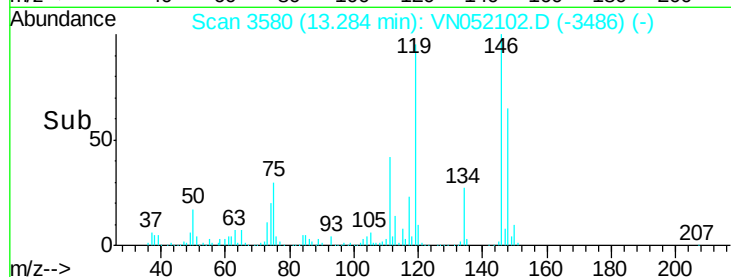
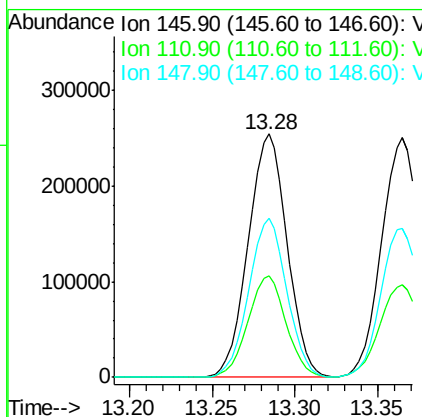
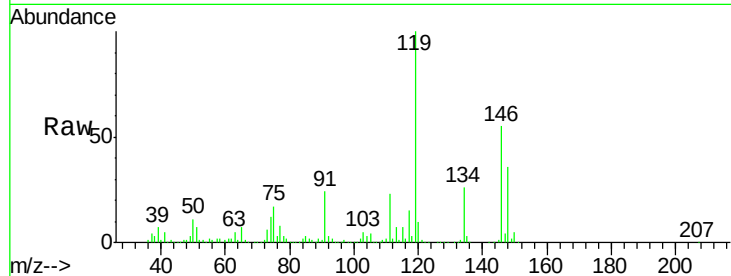
#87
 1,3-Dichlorobenzene
 Concen: 52.666 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	414615		
111	41.0	22.9	68.8	
148	64.0	31.8	95.4	

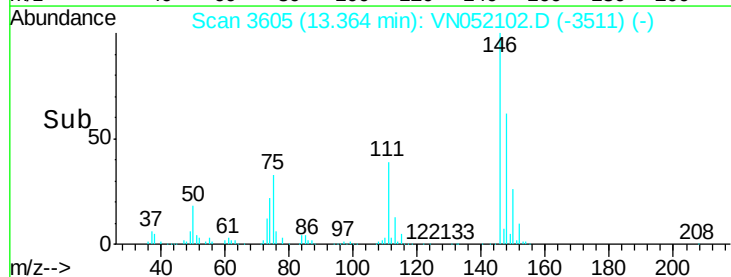
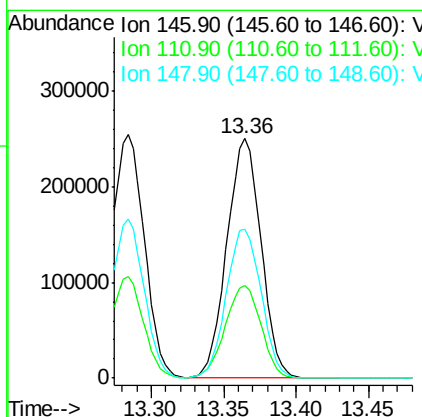
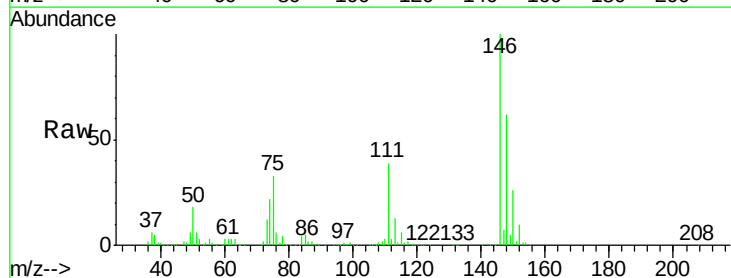
Manual Integrations
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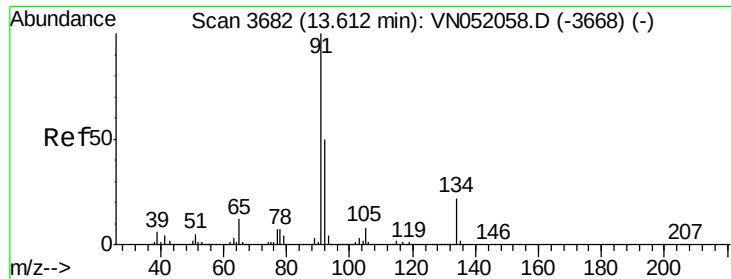
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 11/2/2018 9:21:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.855 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	409149		
111	40.3	21.9	65.8	
148	63.5	32.6	98.0	





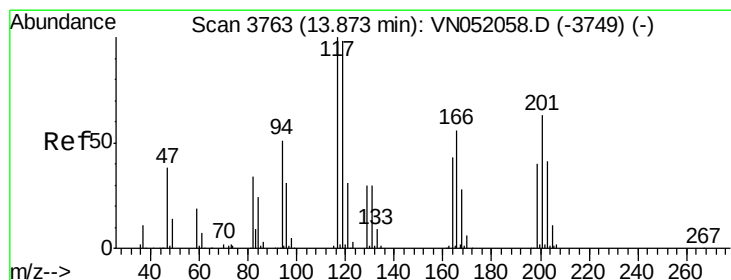
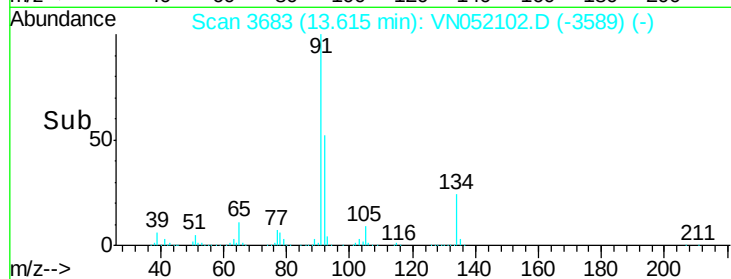
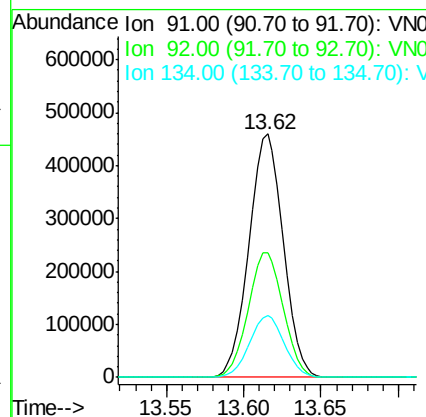
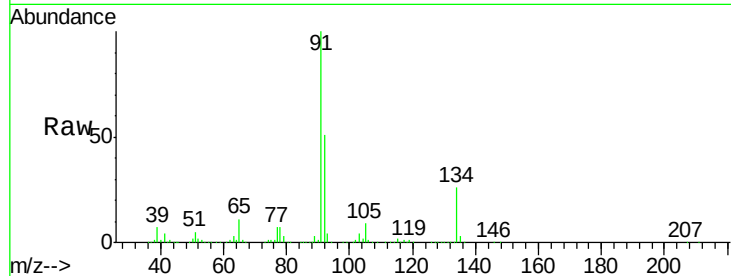
#89
n-Butylbenzene
Concen: 45.401 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.3	75.8
134	25.6	11.2	33.5

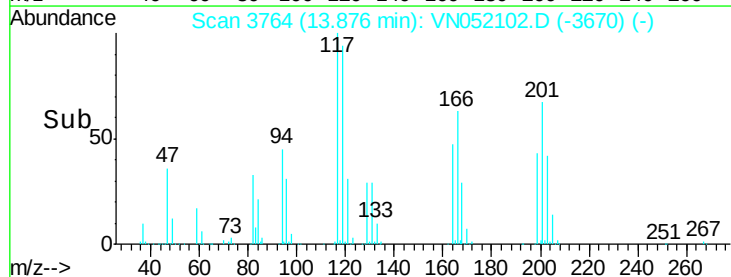
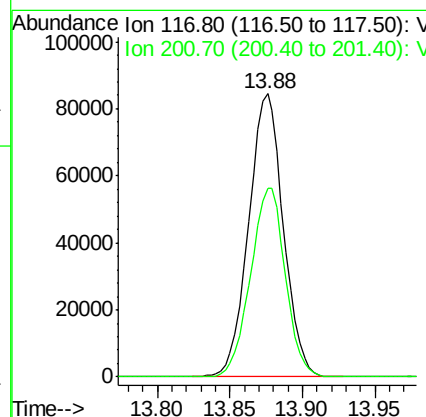
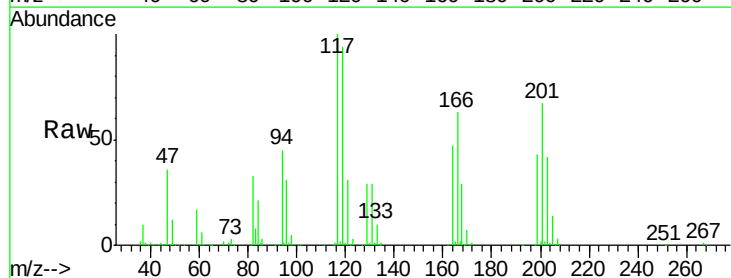
Manual Integrations
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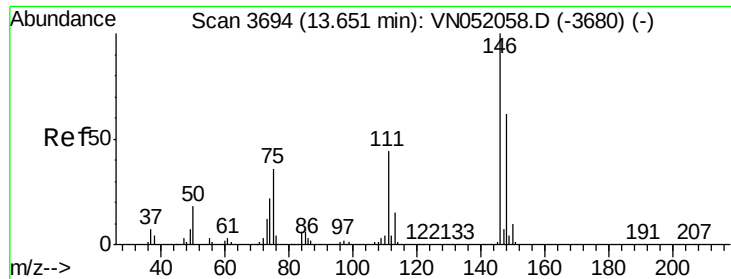
MMDadoda
11/2/2018 9:21:31 AM



#90
Hexachloroethane
Concen: 49.979 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052102.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	31.1	93.5





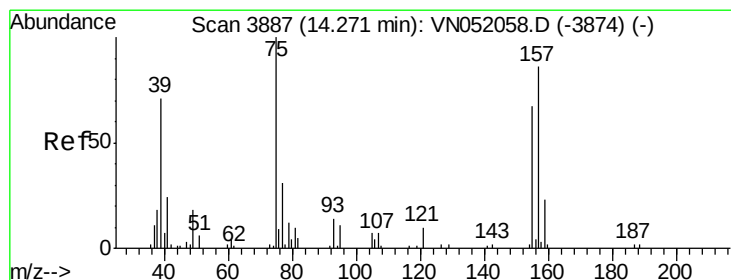
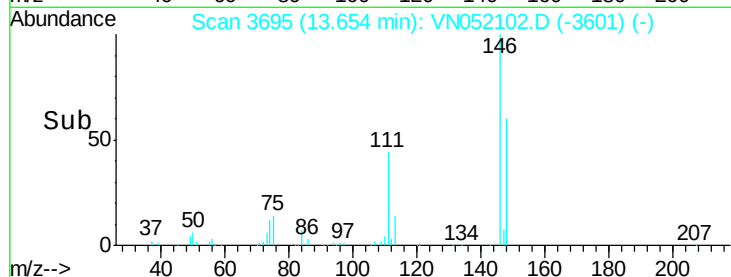
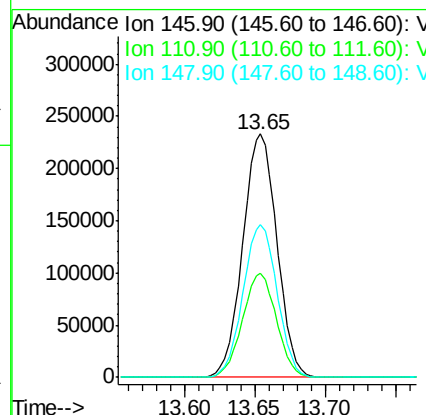
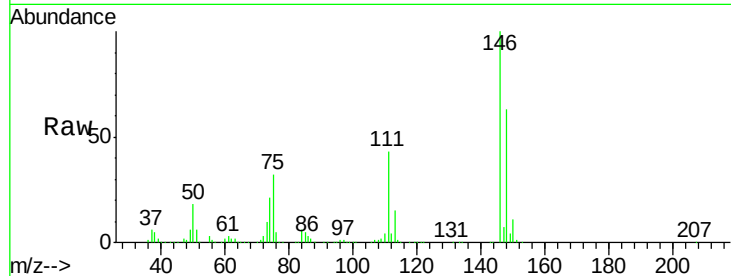
#91
 1,2-Dichlorobenzene
 Concen: 53.469 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	395751		
111	42.6	22.5	67.5	
148	62.7	30.9	92.8	

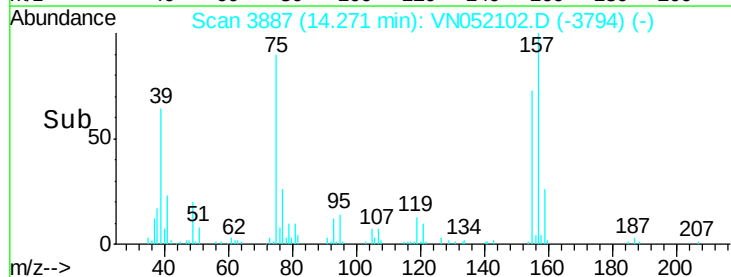
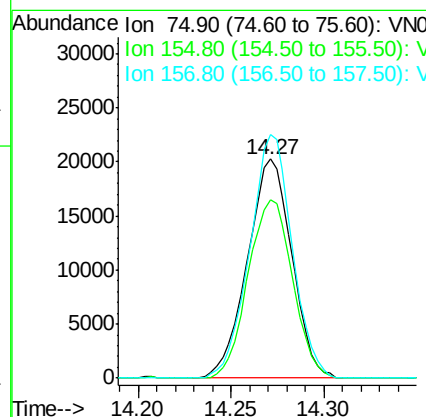
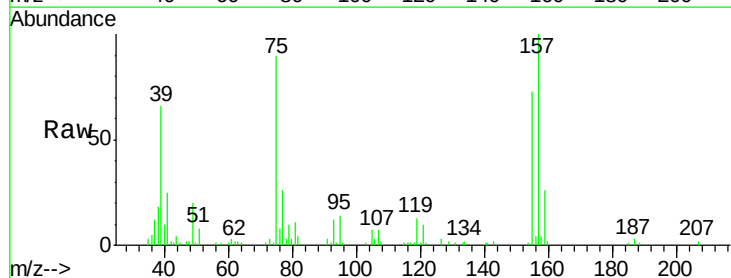
Manual Integrations
 APPROVED

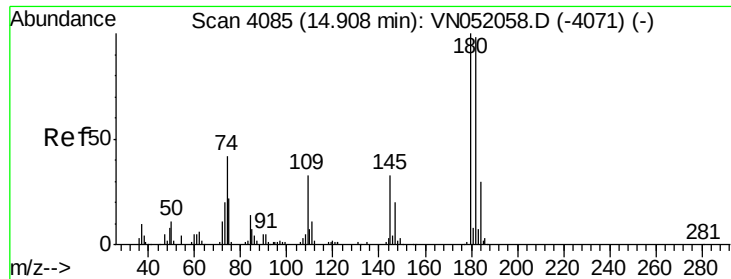
MMDadoda
 11/2/2018 9:21:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.331 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33716		
155	81.5	34.0	102.0	
157	106.1	42.1	126.4	





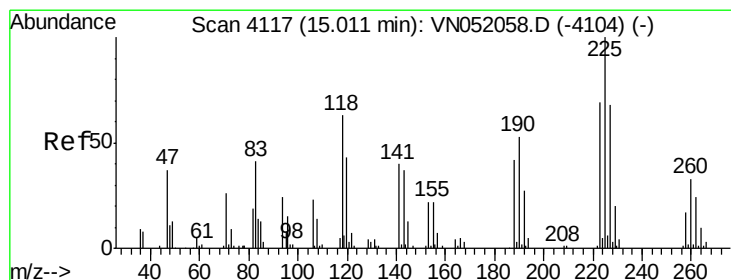
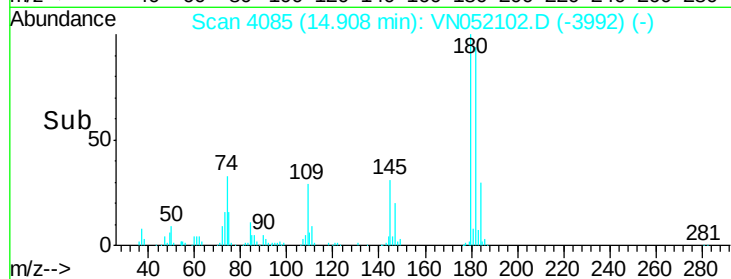
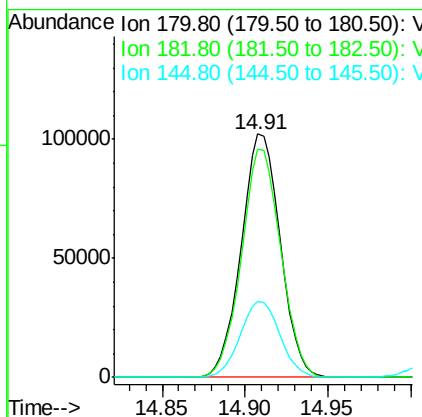
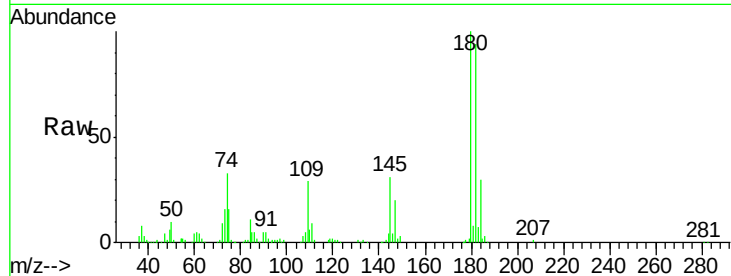
#93
 1,2,4-Trichlorobenzene
 Concen: 60.678 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	49.1	147.4
145	31.9	16.4	49.2

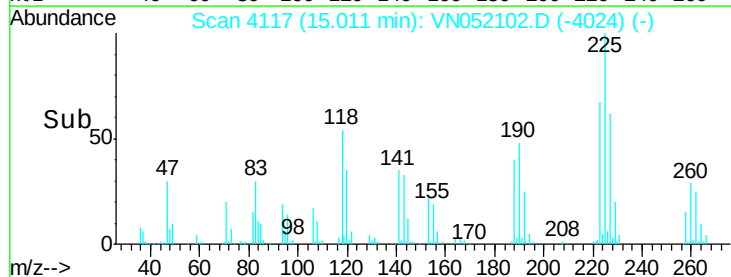
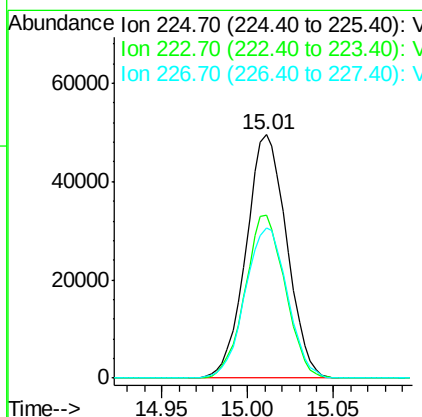
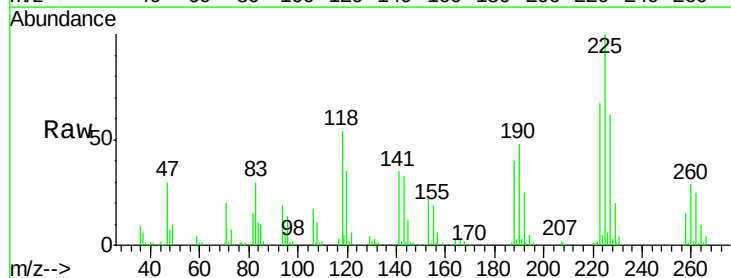
Manual Integrations
 APPROVED

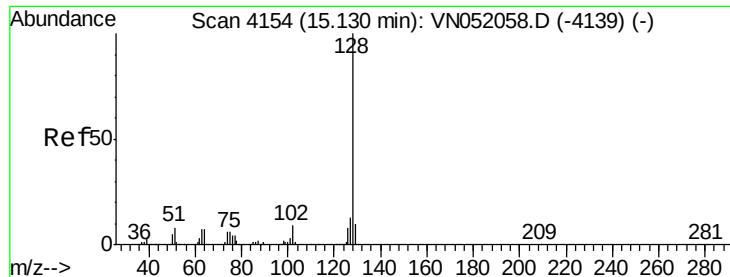
MMDadoda
 11/2/2018 9:21:31 AM



#94
 Hexachlorobutadiene
 Concen: 52.695 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052102.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	65.6	33.1	99.3
227	64.1	32.6	97.8





#95

Naphthalene

Concen: 58.377 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_N

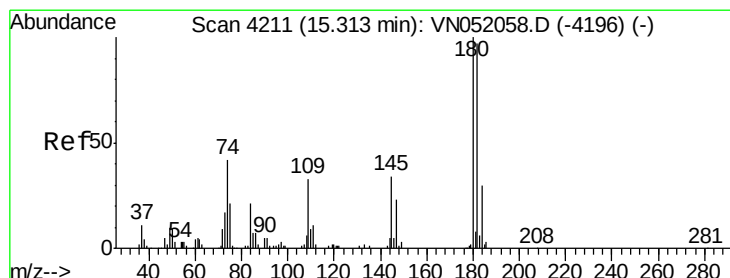
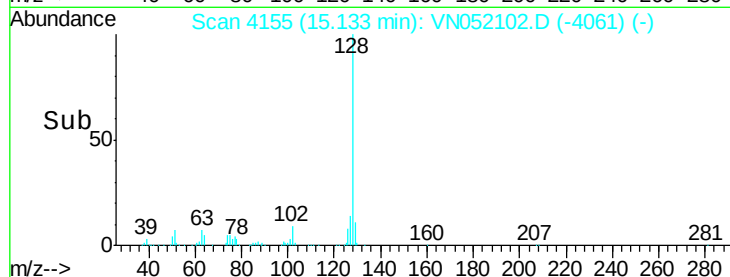
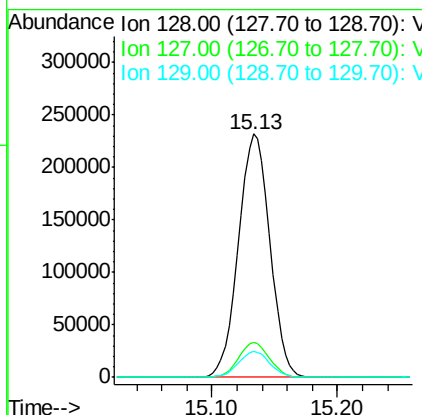
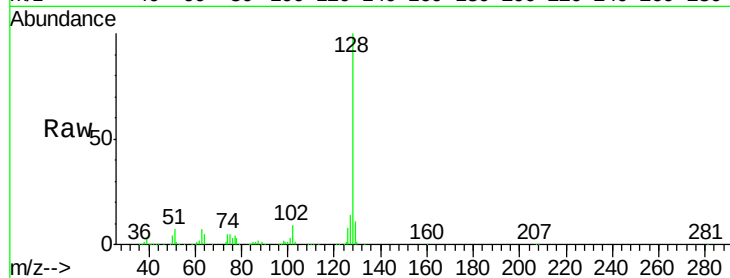
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	403557
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 60.327 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052102.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	180	Resp:	143482
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.2	141.6
145	34.2	16.6	49.7

