

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052070.D
 Acq On : 31 Oct 2018 13:38
 Operator : MD\SY
 Sample : VN1031WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 1:11:12 PM

Quant Time: Oct 31 14:46:12 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	328335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	600847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	211477	40.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.28%	
35) Dibromofluoromethane	7.59	113	179111	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.09	98	690590	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.40	95	227822	41.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.62%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80709	20.22	ug/l	97
3) Chloromethane	2.06	50	92277	18.35	ug/l	99
4) Vinyl Chloride	2.19	62	93307	17.24	ug/l	98
5) Bromomethane	2.57	94	60840	14.98	ug/l	90
6) Chloroethane	2.71	64	56481	16.16	ug/l	94
7) Trichlorofluoromethane	3.03	101	126410	20.45	ug/l	95
8) Diethyl Ether	3.41	74	40735	17.66	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72872	19.98	ug/l	97
10) Methyl Iodide	3.96	142	92811	19.42	ug/l	99
11) Tert butyl alcohol	4.78	59	17567	66.58	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	64861	18.83	ug/l	89
13) Acrolein	3.61	56	21450	97.10	ug/l	96
14) Allyl chloride	4.33	41	115988	16.83	ug/l	99
15) Acrylonitrile	4.99	53	119455	79.20	ug/l	98
16) Acetone	3.82	43	78326	69.64	ug/l	100
17) Carbon Disulfide	4.06	76	184850	17.03	ug/l	98
18) Methyl Acetate	4.33	43	56590	15.81	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	190893	16.87	ug/l	96
20) Methylene Chloride	4.56	84	79067	18.45	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	72552	18.47	ug/l	93
22) Diisopropyl ether	5.95	45	254864	17.11	ug/l	98
23) Vinyl Acetate	5.90	43	846646	82.01	ug/l	96
24) 1,1-Dichloroethane	5.86	63	145200	17.43	ug/l	97
25) 2-Butanone	6.84	43	132105	74.89	ug/l	95
26) 2,2-Dichloropropane	6.82	77	109080	16.49	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	84478	18.01	ug/l	95
28) Bromochloromethane	7.20	49	64604	15.65	ug/l #	90
29) Tetrahydrofuran	7.21	42	84701	72.07	ug/l	92
30) Chloroform	7.37	83	149002	17.92	ug/l	98
31) Cyclohexane	7.66	56	139529	16.07	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	124347	18.59	ug/l	97
36) 1,1-Dichloropropene	7.79	75	109589	17.94	ug/l	96
37) Ethyl Acetate	6.93	43	60019	14.68	ug/l #	73
38) Carbon Tetrachloride	7.78	117	105984	20.12	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130995	18.07	ug/l	95
40) Benzene	8.04	78	330407	18.70	ug/l	96
41) Methacrylonitrile	7.18	41	40583	19.32	ug/l	91
42) 1,2-Dichloroethane	8.13	62	106398	16.32	ug/l	97
43) Isopropyl Acetate	8.16	43	115793	15.92	ug/l	99
44) Trichloroethene	8.84	130	78175	19.78	ug/l	94
45) 1,2-Dichloropropane	9.12	63	86720	17.23	ug/l	99
46) Dibromomethane	9.21	93	52254	18.57	ug/l	93
47) Bromodichloromethane	9.40	83	106085	18.08	ug/l	94
48) Methyl methacrylate	9.20	41	59835	16.23	ug/l	99
49) 1,4-Dioxane	9.20	88	8915	306.16	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	316969	80.18	ug/l	100
52) Toluene	10.16	92	201512	18.89	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	103090	16.62	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	119373	17.33	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	69788	18.37	ug/l	97
56) Ethyl methacrylate	10.43	69	89851	16.53	ug/l	95
57) 1,3-Dichloropropane	10.71	76	120075	17.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	247593	85.65	ug/l	95
59) 2-Hexanone	10.75	43	204779	72.69	ug/l	99
60) Dibromochloromethane	10.90	129	71040	18.99	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70477	18.66	ug/l	100
64) Tetrachloroethene	10.63	164	67332	20.80	ug/l	98
65) Chlorobenzene	11.43	112	217743	19.34	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	72471	20.50	ug/l	98
67) Ethyl Benzene	11.51	91	379714	18.92	ug/l	98
68) m/p-Xylenes	11.62	106	289212	40.25	ug/l	96
69) o-Xylene	11.95	106	143511	20.18	ug/l	93
70) Styrene	11.96	104	221567	19.26	ug/l	98
71) Bromoform	12.13	173	36225	17.43	ug/l #	96
73) Isopropylbenzene	12.25	105	364247	19.61	ug/l	96
74) N-amyl acetate	12.07	43	100833	15.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81560	18.32	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76598m	19.27	ug/l	
77) Bromobenzene	12.53	156	80784	20.79	ug/l	86
78) n-propylbenzene	12.59	91	421110	18.71	ug/l	99
79) 2-Chlorotoluene	12.67	91	242352	18.48	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	300799	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18783	15.68	ug/l	98
82) 4-Chlorotoluene	12.77	91	249278	18.64	ug/l	95
83) tert-Butylbenzene	12.99	119	248036	19.54	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	293647	19.52	ug/l	98
85) sec-Butylbenzene	13.17	105	343163	18.92	ug/l	97
86) p-Isopropyltoluene	13.29	119	289014	19.57	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	139811	19.73	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	135135	19.03	ug/l	98
89) n-Butylbenzene	13.61	91	246841	17.53	ug/l	99
90) Hexachloroethane	13.88	117	46054	18.20	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	136612	20.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11073	17.85	ug/l	95

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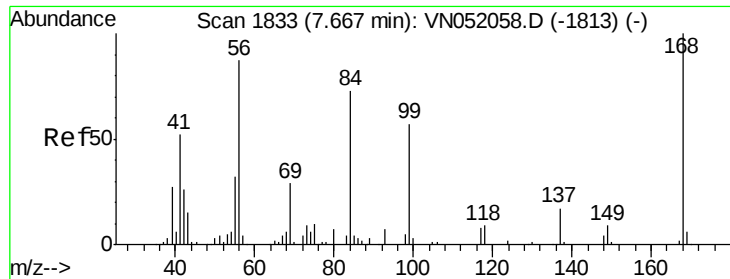
Manual Integrations
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MMDadoda
11/2/2018 1:11:12 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50864	20.50	ug/l	94
94) Hexachlorobutadiene	15.01	225	28358	20.42	ug/l	97
95) Naphthalene	15.13	128	111151	17.86	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43842	20.48	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 168 Resp: 328335

Ion Ratio Lower Upper

168 100

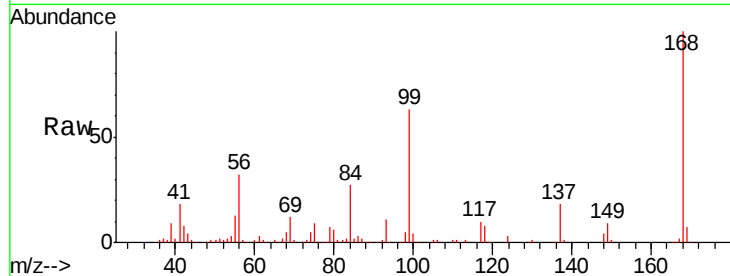
99 62.6 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

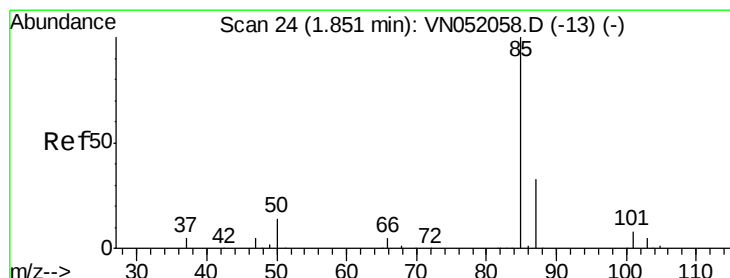
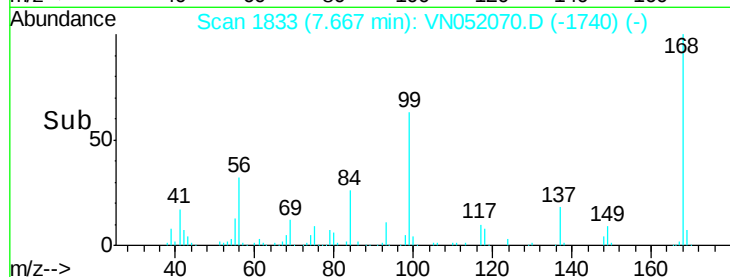
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052070.D

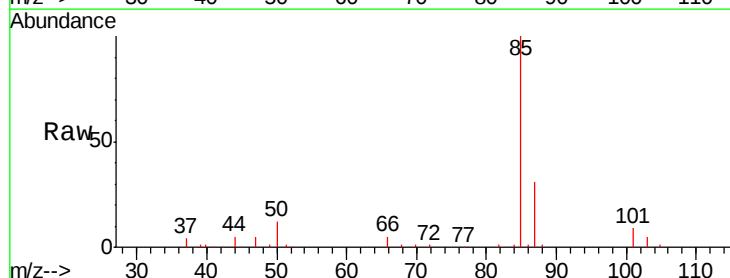
Acq: 31 Oct 2018 13:38

Tgt Ion: 85 Resp: 80709

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

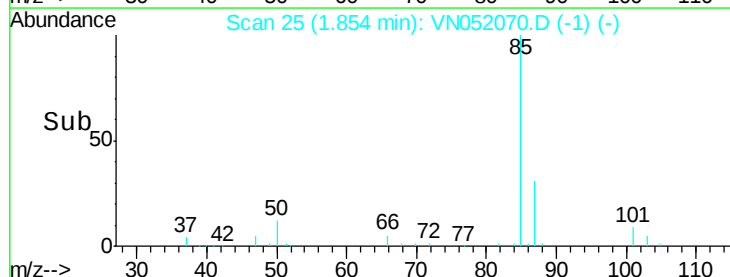
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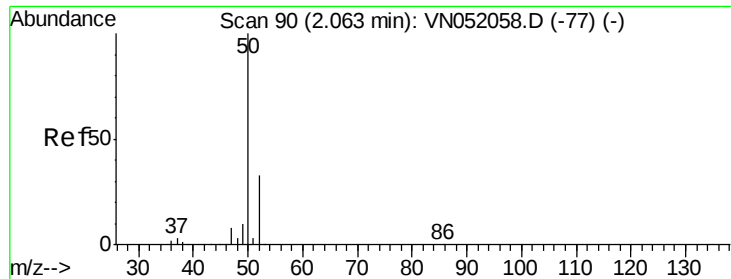
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20000

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Time-->





#3

Chloromethane

Concen: 18.35 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 50 Resp: 92277

Ion Ratio Lower Upper

50 100

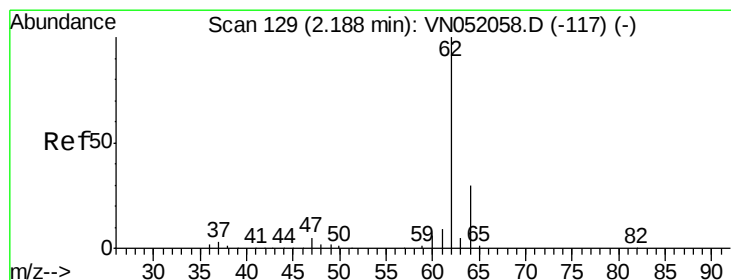
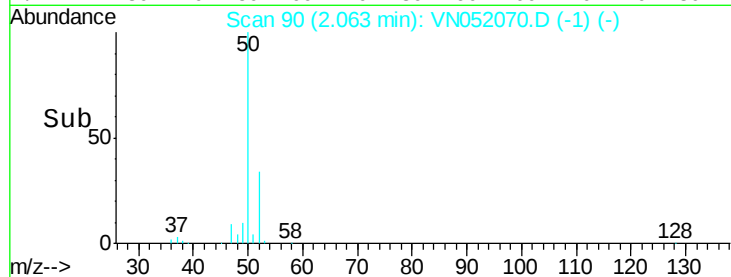
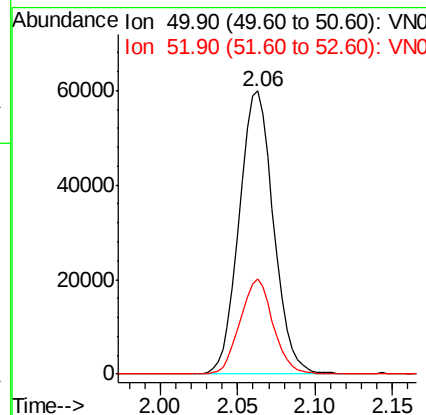
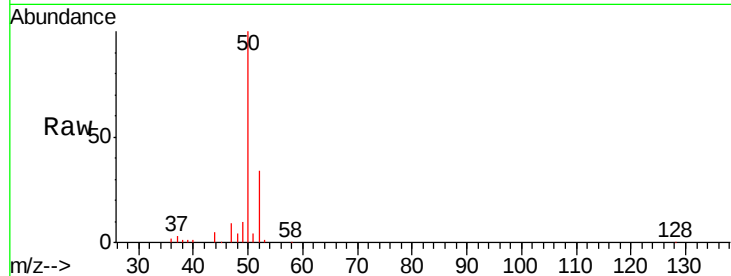
52 33.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.24 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052070.D

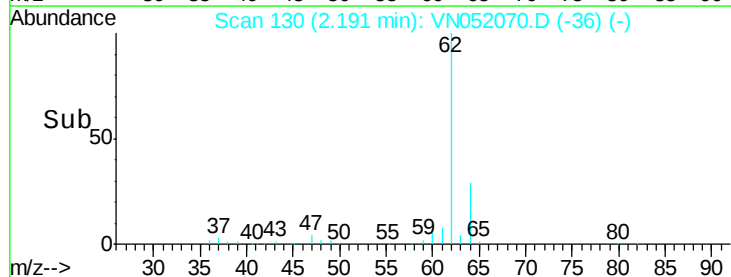
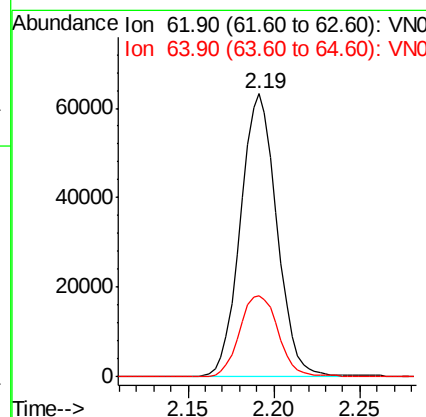
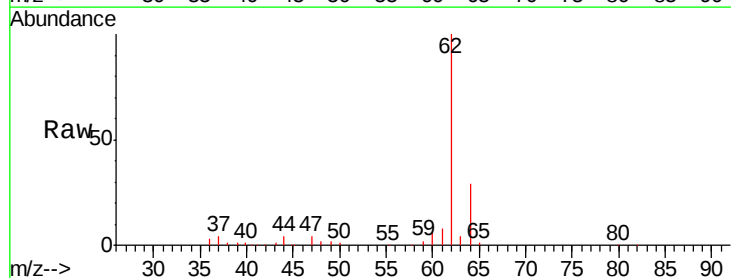
Acq: 31 Oct 2018 13:38

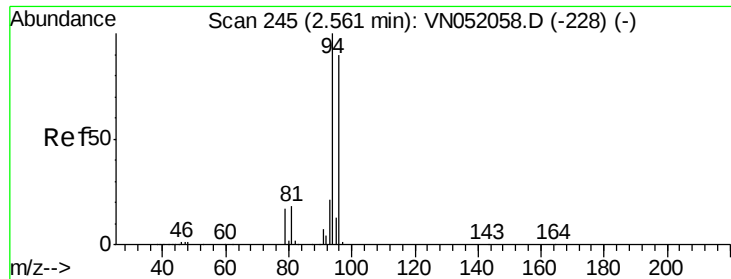
Tgt Ion: 62 Resp: 93307

Ion Ratio Lower Upper

62 100

64 28.5 23.7 35.5





#5

Bromomethane

Concen: 14.98 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

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Acq: 31 Oct 2018 13:38

Instrument :

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Tgt Ion: 94 Resp: 60840

Ion Ratio Lower Upper

94 100

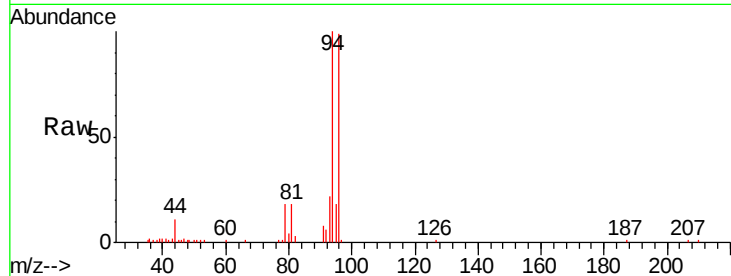
96 99.5 71.8 107.6

Manual Integrations

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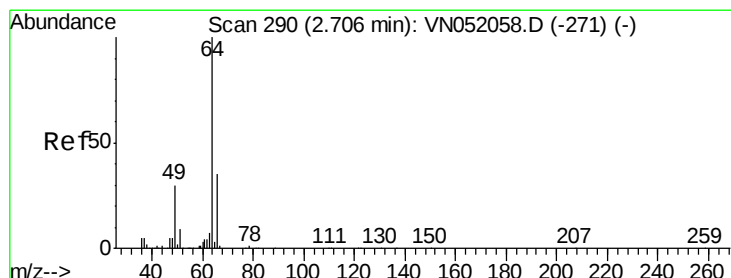
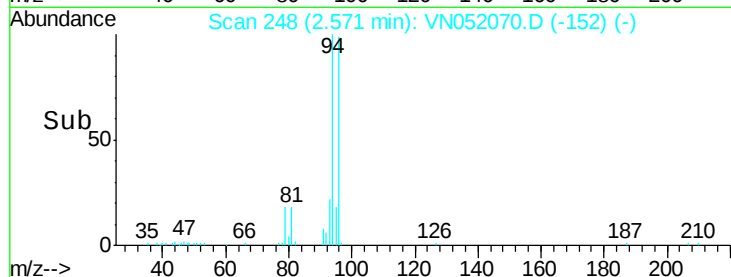
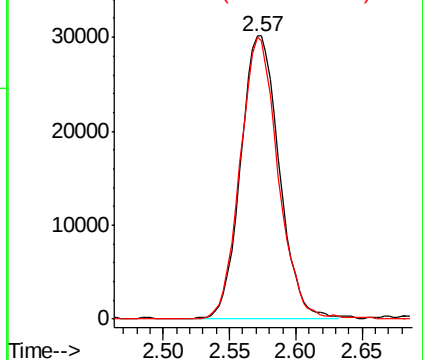
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.16 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052070.D

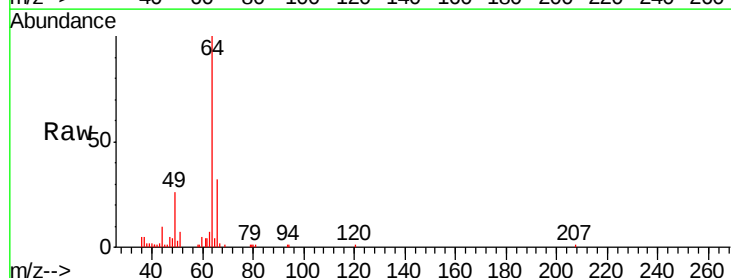
Acq: 31 Oct 2018 13:38

Tgt Ion: 64 Resp: 56481

Ion Ratio Lower Upper

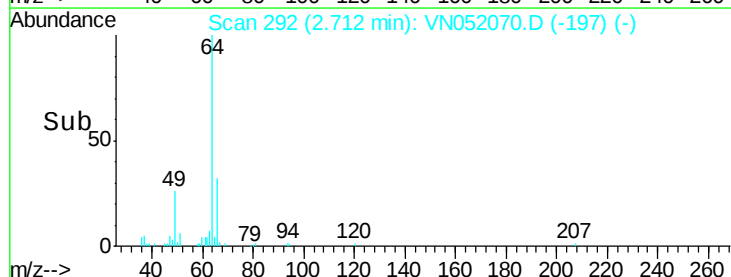
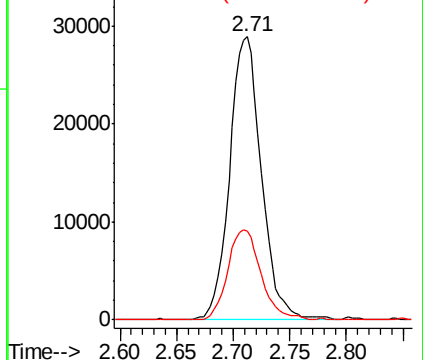
64 100

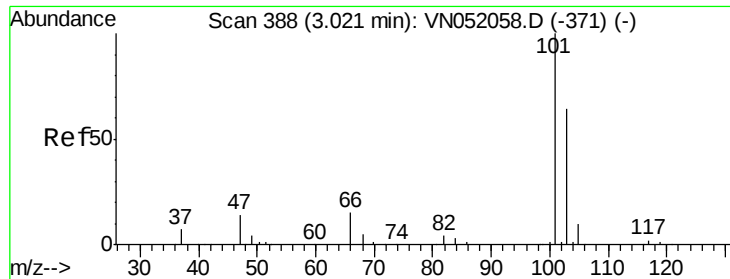
66 31.5 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

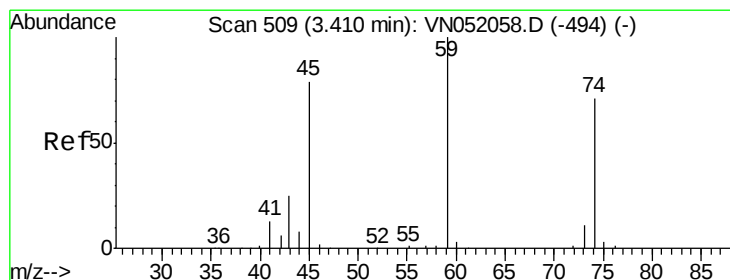
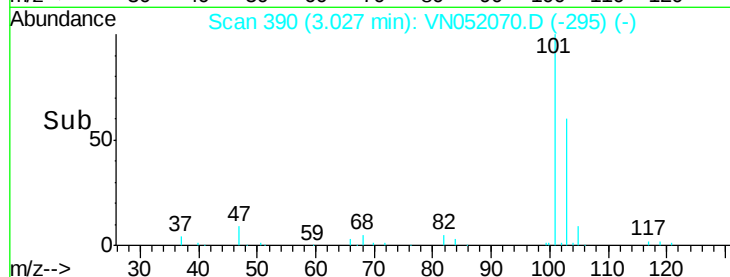
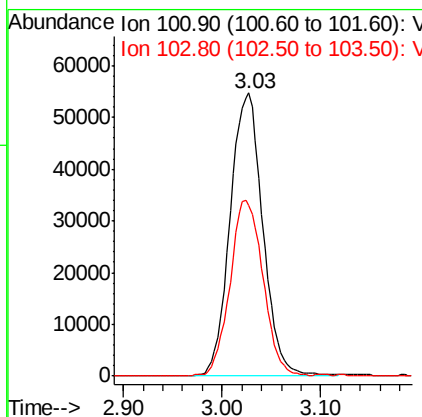
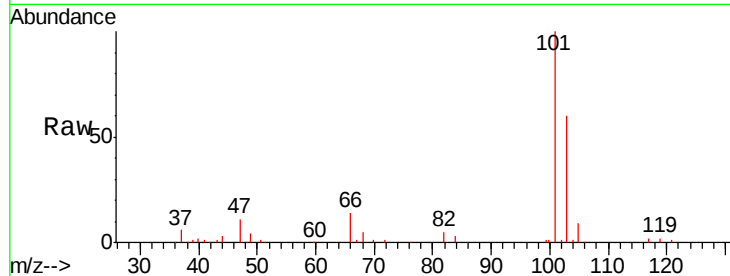
Trichlorofluoromethane
 Concen: 20.45 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.1	51.0	76.4

Manual Integrations
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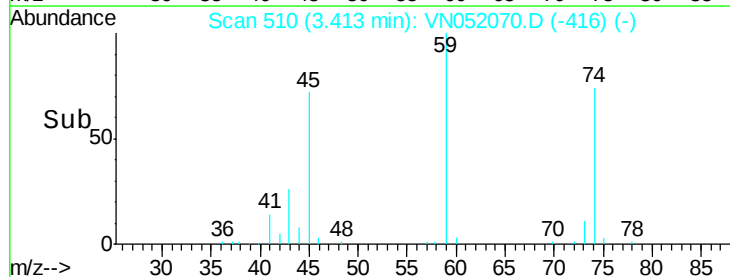
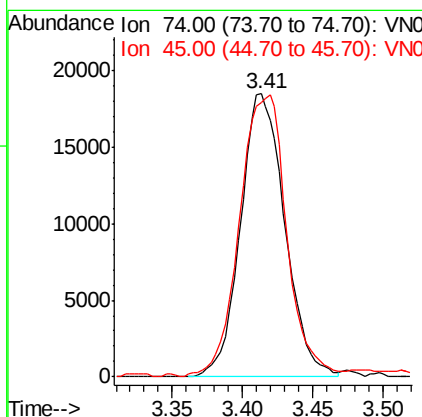
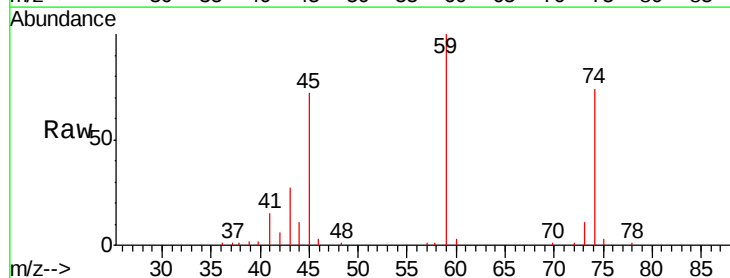
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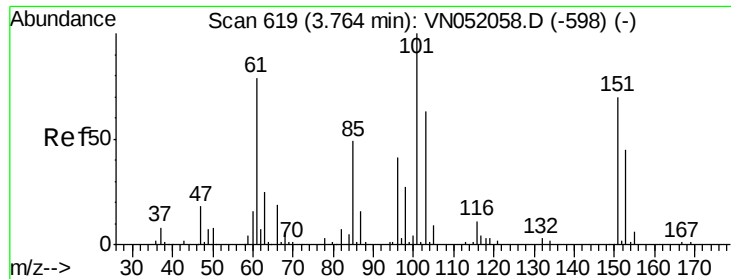


#8

Diethyl Ether
 Concen: 17.66 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion:101 Resp: 72872

Ion Ratio Lower Upper

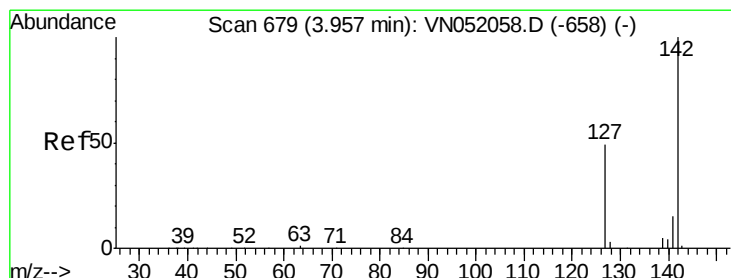
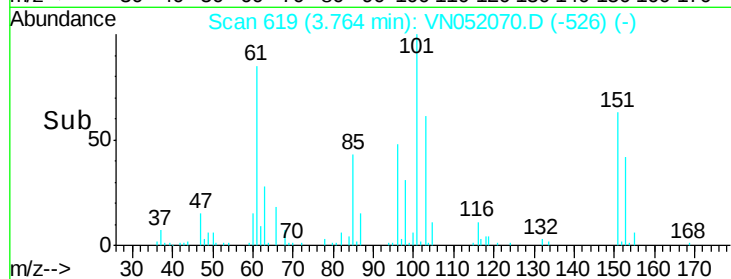
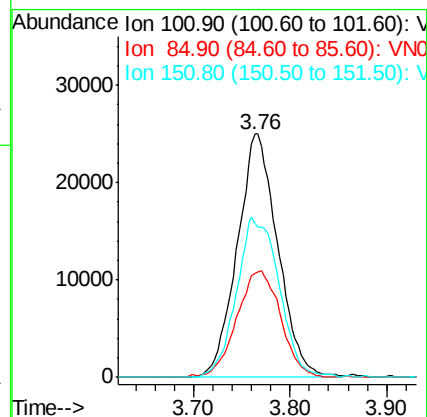
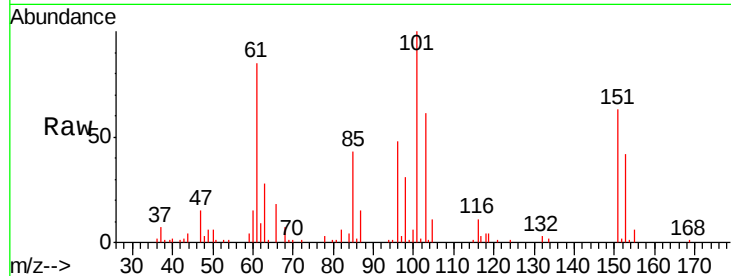
101 100

85 47.0 38.6 58.0

151 69.1 52.6 78.8

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#10

Methyl Iodide

Concen: 19.42 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

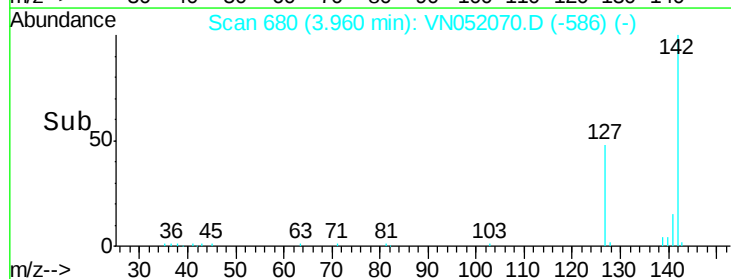
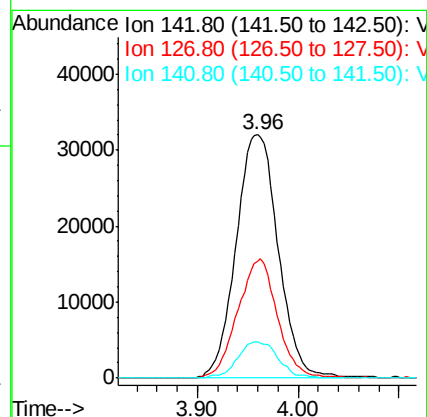
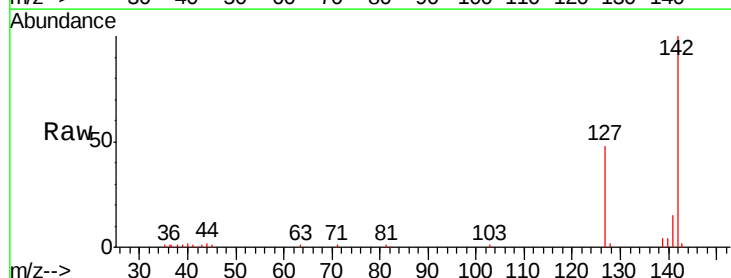
Tgt Ion:142 Resp: 92811

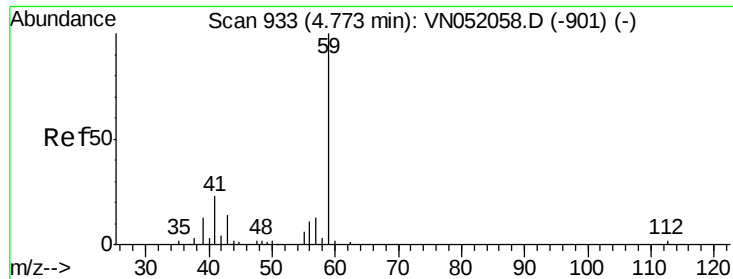
Ion Ratio Lower Upper

142 100

127 45.8 37.3 55.9

141 14.4 11.4 17.2





#11

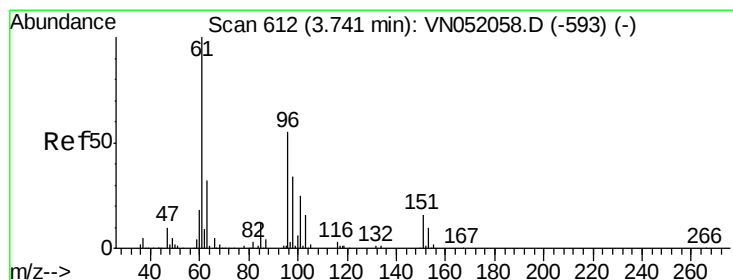
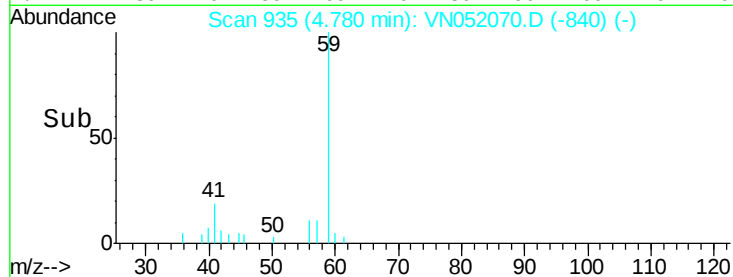
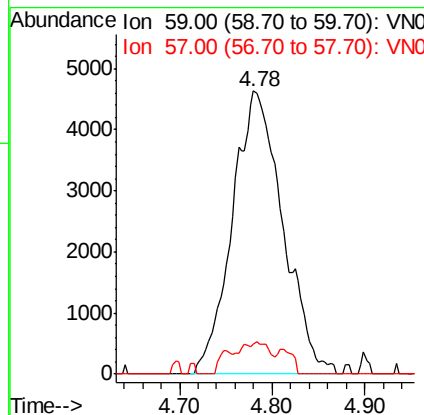
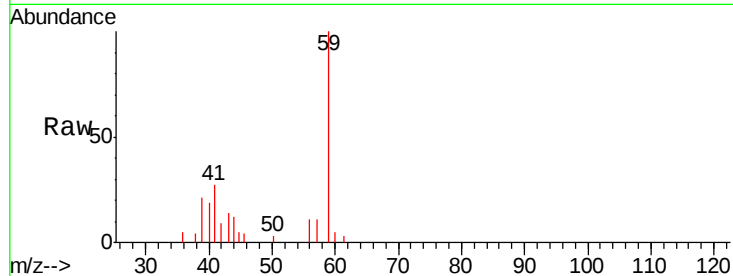
Tert butyl alcohol
Concen: 66.58 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.2	7.0	10.6#

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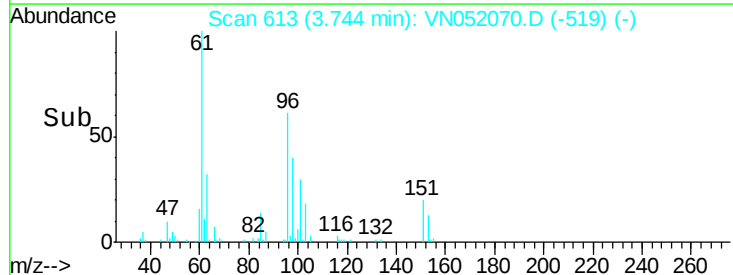
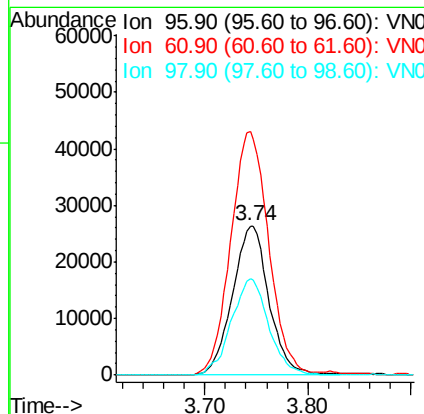
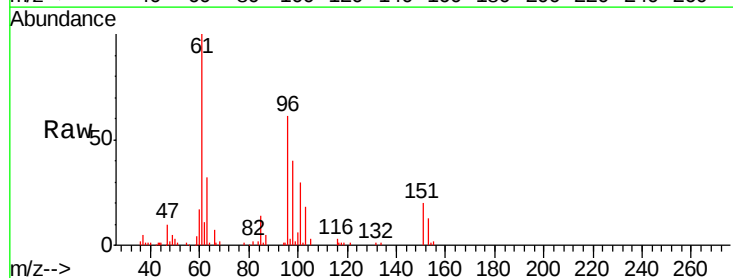
MMDadoda
11/2/2018 1:11:12 PM

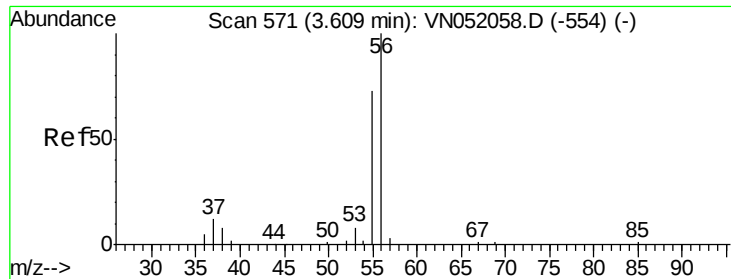


#12

1,1-Dichloroethene
Concen: 18.83 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	145.7	218.5
98	64.8	49.8	74.8





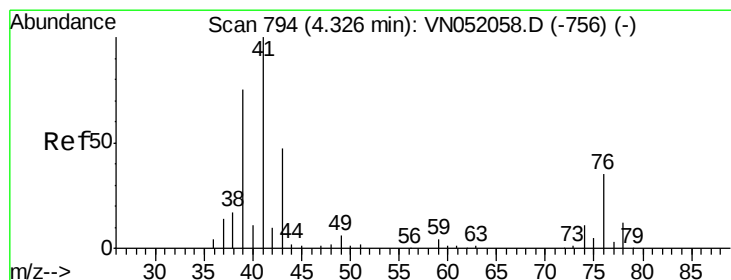
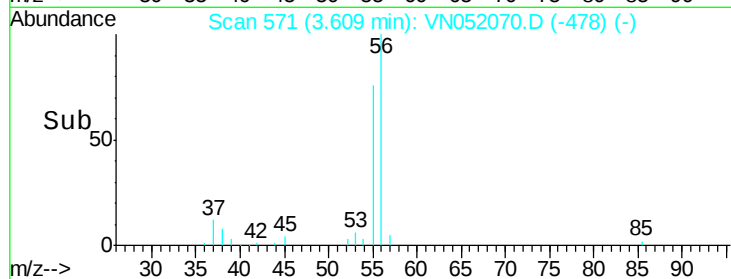
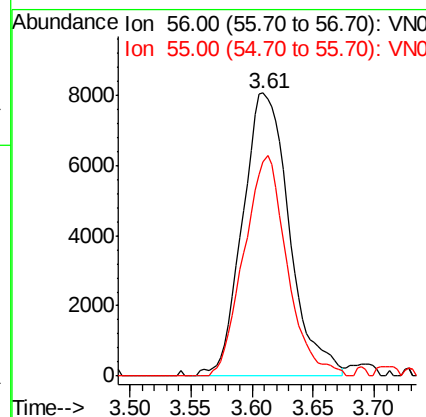
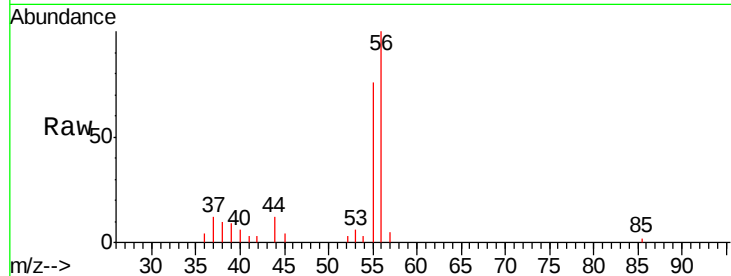
#13
Acrolein
Concen: 97.10 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 56 Resp: 21450
Ion Ratio Lower Upper
56 100
55 71.5 59.9 89.9

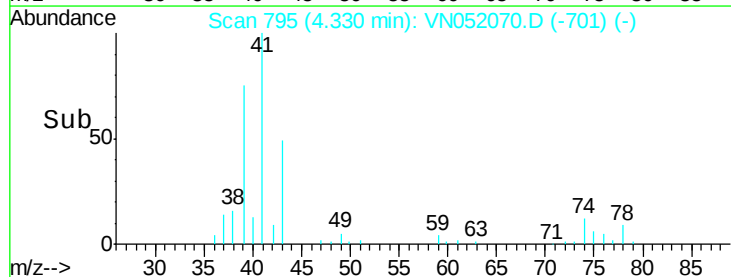
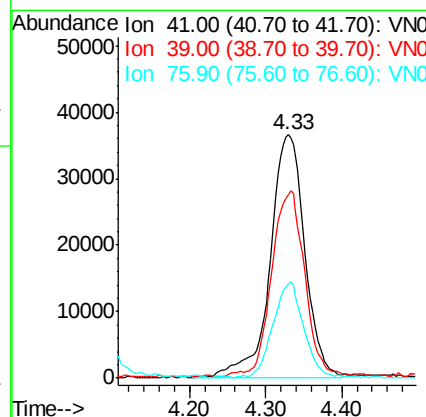
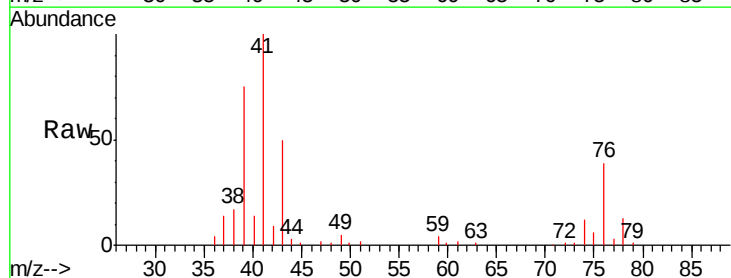
Manual Integrations
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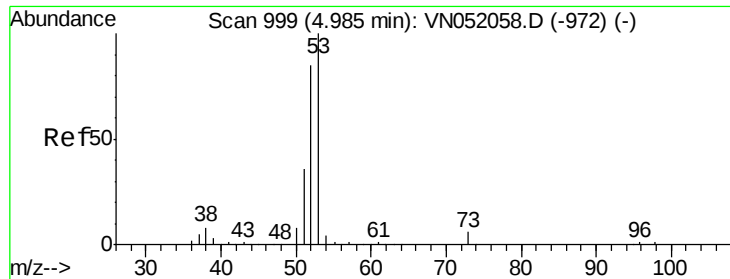
MMDadoda
11/2/2018 1:11:12 PM



#14
Allyl chloride
Concen: 16.83 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 41 Resp: 115988
Ion Ratio Lower Upper
41 100
39 72.7 58.1 87.1
76 33.4 26.0 39.0





#15

Acrylonitrile

Concen: 79.20 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

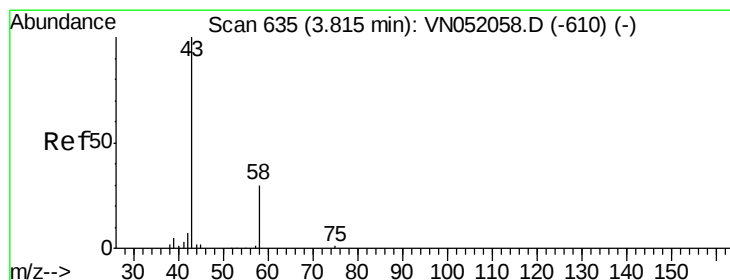
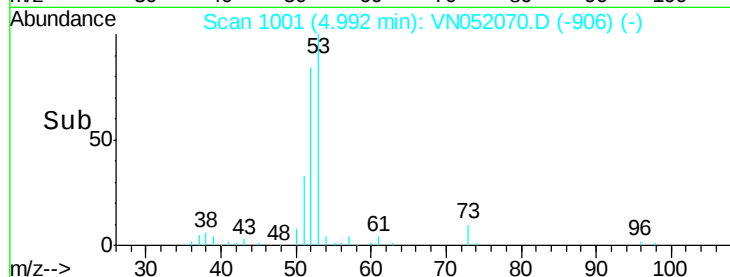
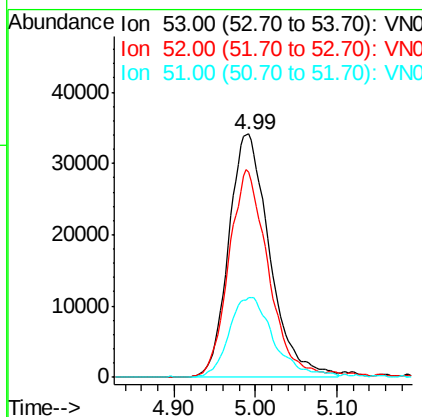
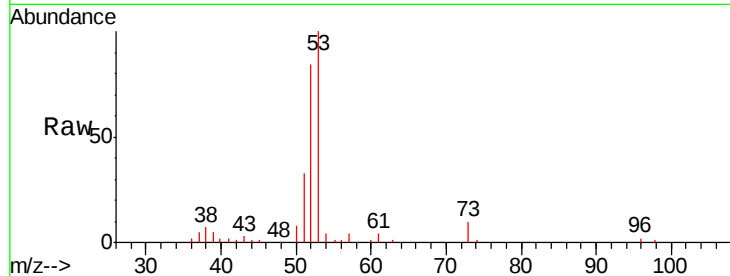
ClientSampleId :

VN1031WBSD01

Tgt Ion:	53	Resp:	119455
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	100.0
51	35.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 69.64 ug/l

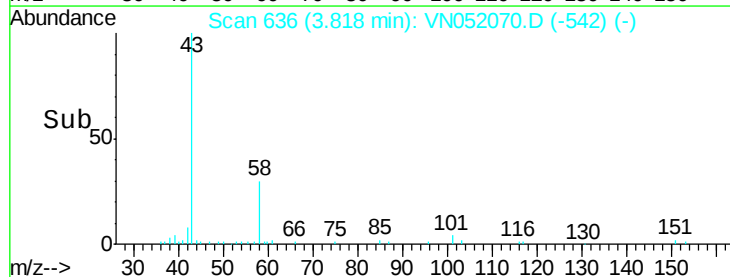
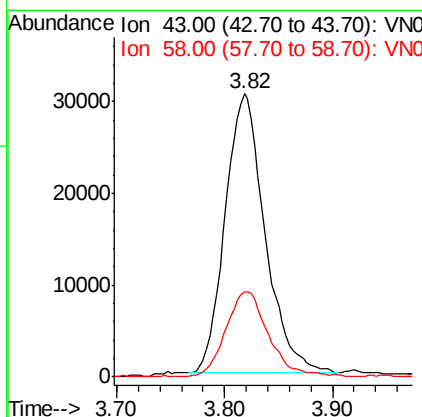
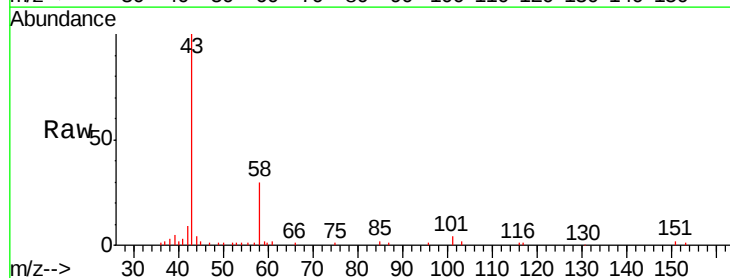
RT: 3.82 min Scan# 636

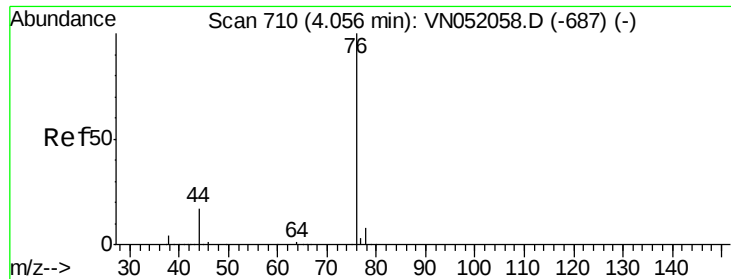
Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	43	Resp:	78326
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.2





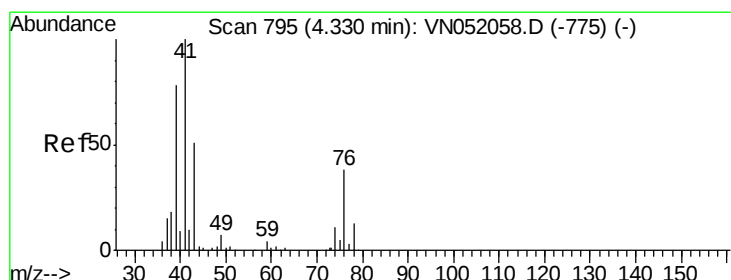
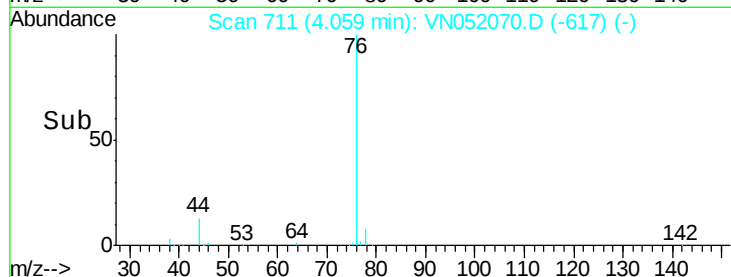
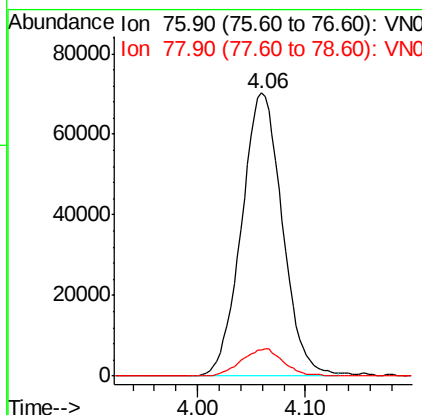
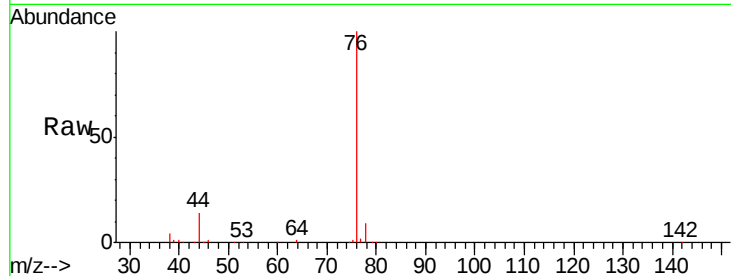
#17
Carbon Disulfide
Concen: 17.03 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 76 Resp: 184850
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

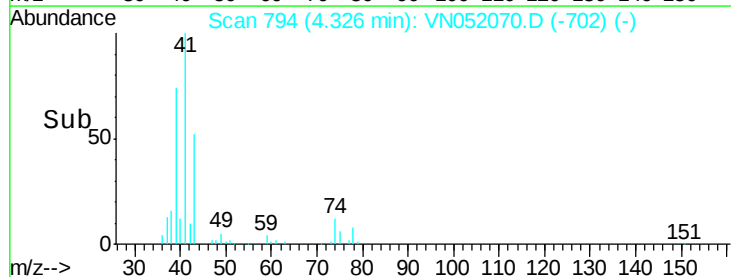
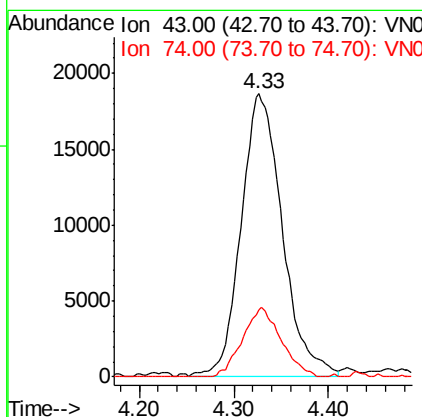
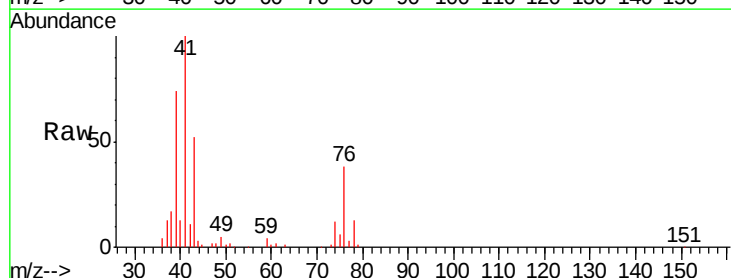
Manual Integrations
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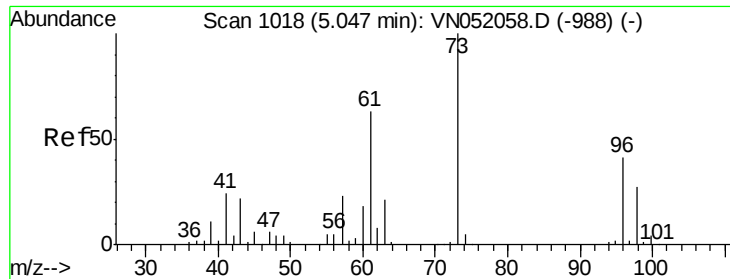
MMDadoda
11/2/2018 1:11:12 PM



#18
Methyl Acetate
Concen: 15.81 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 43 Resp: 56590
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9





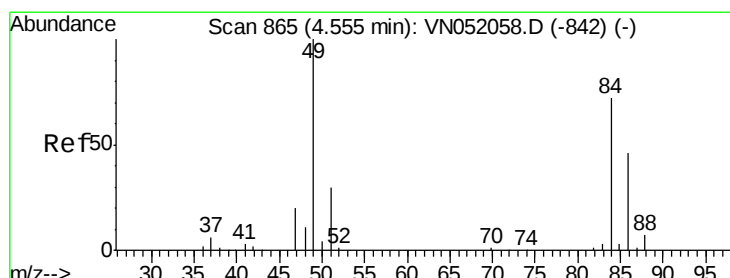
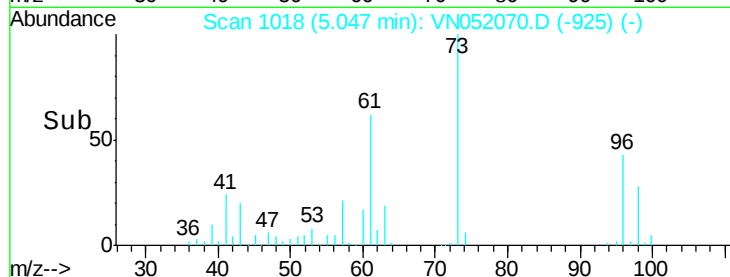
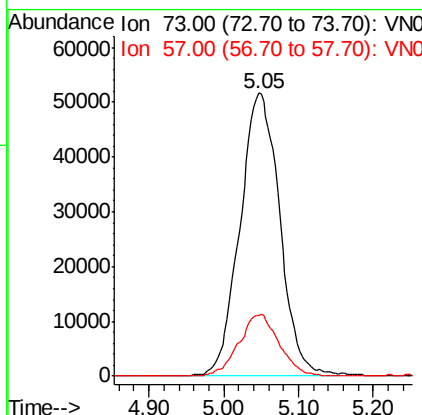
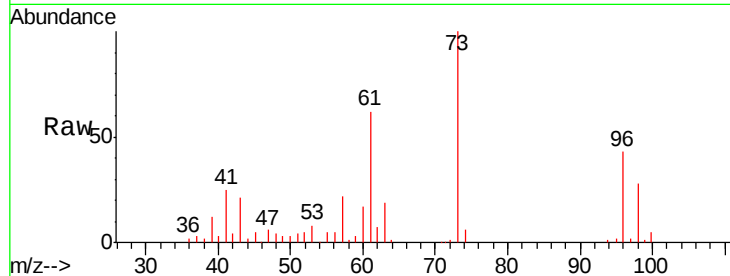
#19
Methyl tert-butyl Ether
Concen: 16.87 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 73 Resp: 190893
Ion Ratio Lower Upper
73 100
57 21.7 18.7 28.1

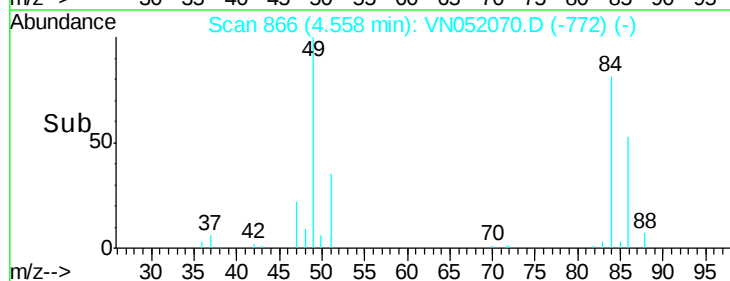
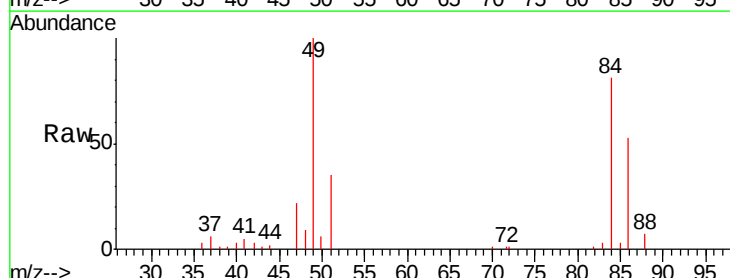
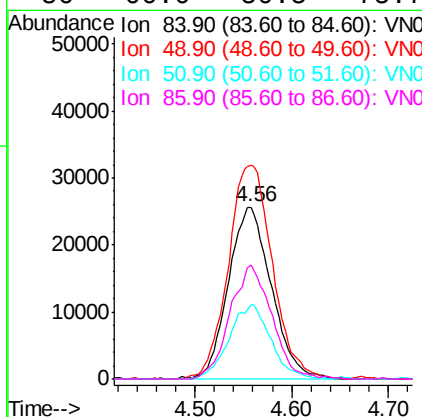
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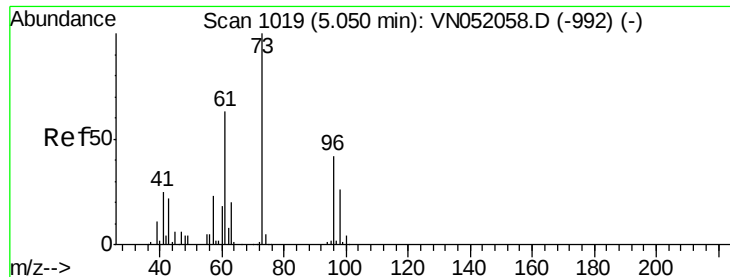
MMDadoda
11/2/2018 1:11:12 PM



#20
Methylene Chloride
Concen: 18.45 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 84 Resp: 79067
Ion Ratio Lower Upper
84 100
49 123.0 110.6 165.8
51 42.9 33.7 50.5
86 66.0 50.5 75.7





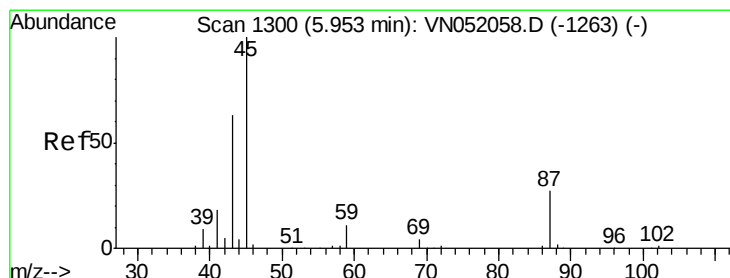
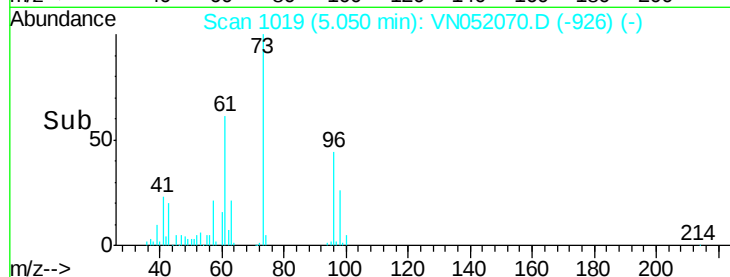
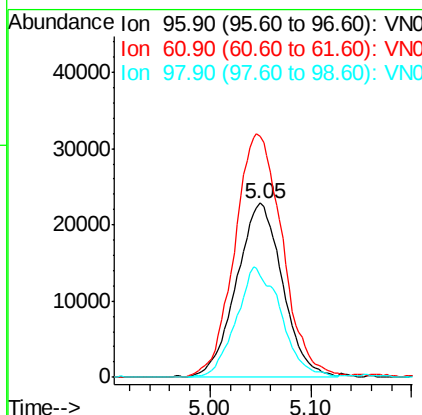
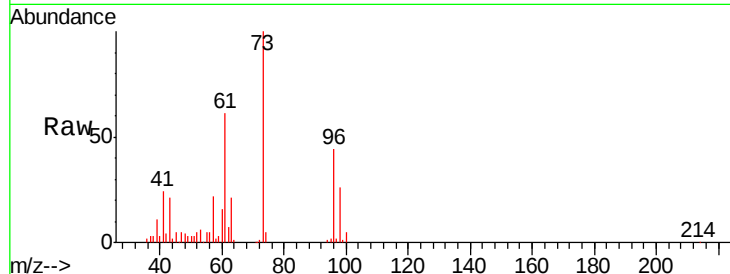
#21
trans-1,2-Dichloroethene
Concen: 18.47 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 96 Resp: 72552
Ion Ratio Lower Upper
96 100
61 137.7 118.6 178.0
98 58.4 49.7 74.5

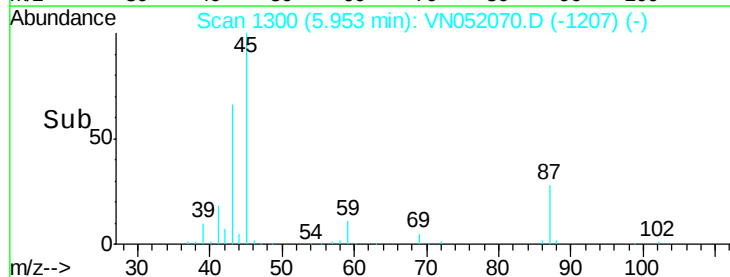
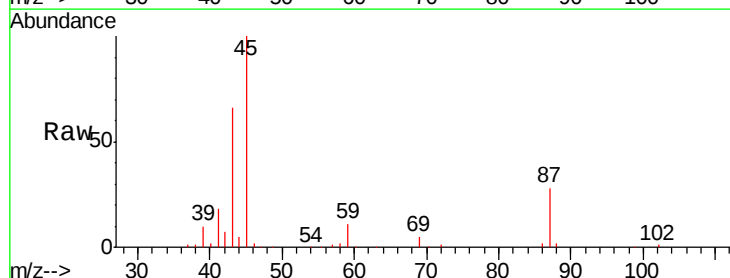
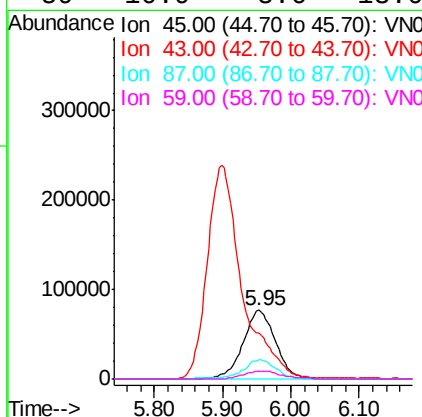
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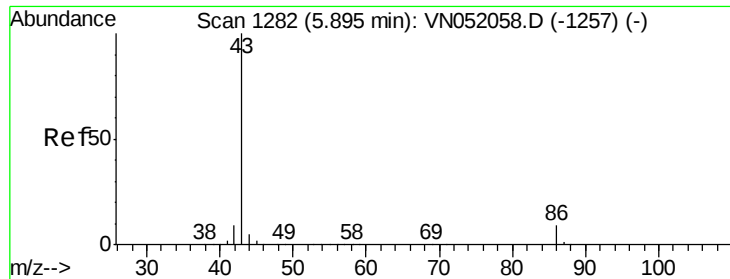
MMDadoda
11/2/2018 1:11:12 PM



#22
Diisopropyl ether
Concen: 17.11 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 45 Resp: 254864
Ion Ratio Lower Upper
45 100
43 65.0 50.5 75.7
87 27.3 21.5 32.3
59 10.9 8.6 13.0





#23

Vinyl Acetate

Concen: 82.01 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 43 Resp: 846646

Ion Ratio Lower Upper

43 100

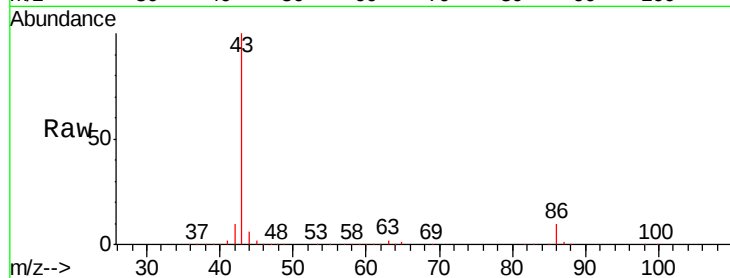
86 10.4 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052070.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052070.D (-1189) (-)

250000

200000

150000

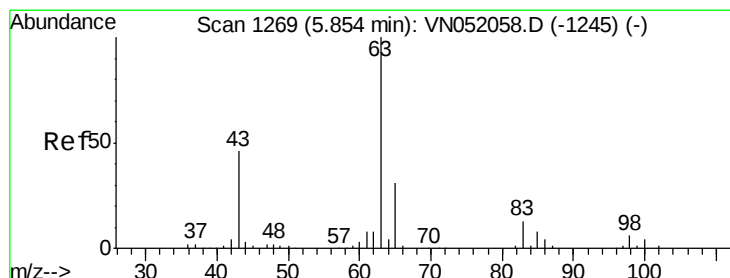
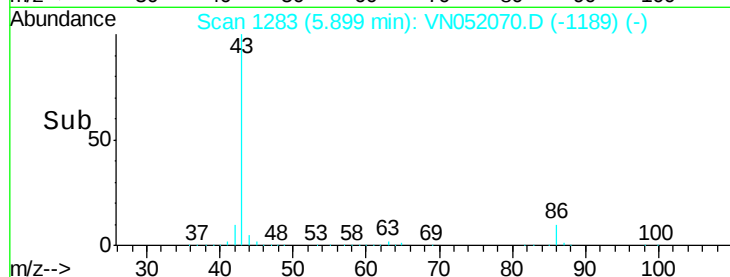
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 17.43 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

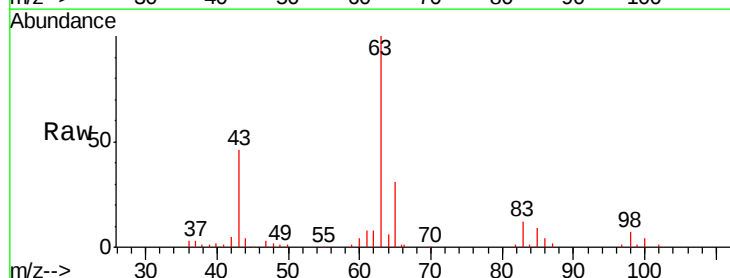
Tgt Ion: 63 Resp: 145200

Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.4

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052070.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052070.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052070.D (-1176) (-)

60000

50000

40000

30000

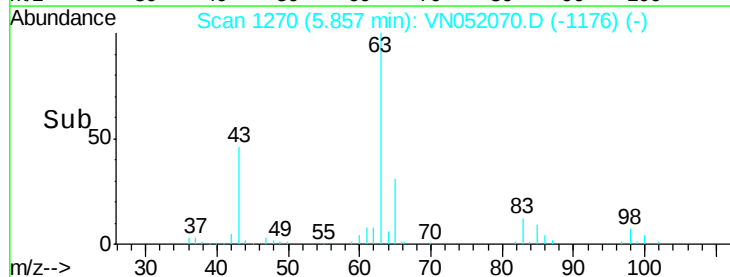
20000

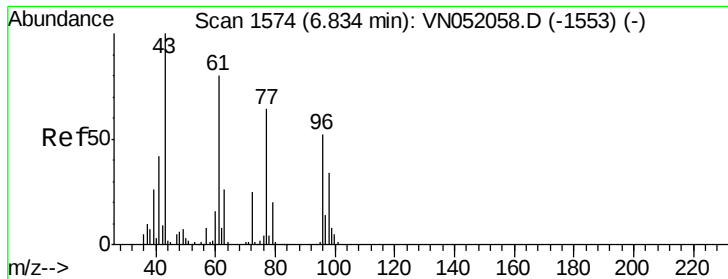
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 74.89 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1031WBSD01

Tgt Ion: 43 Resp: 132105

Ion Ratio Lower Upper

43 100

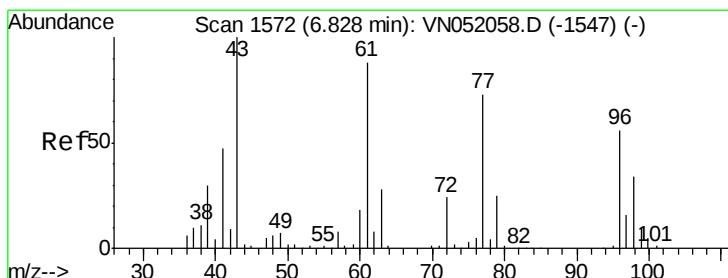
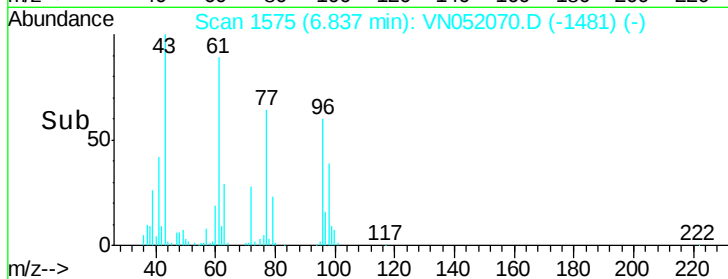
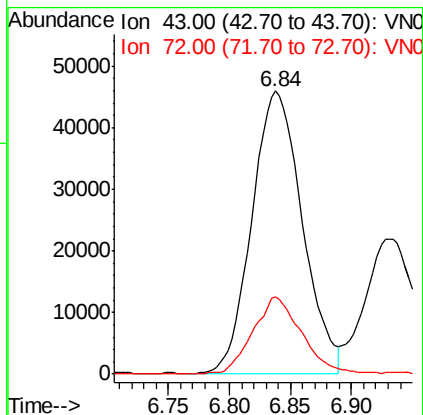
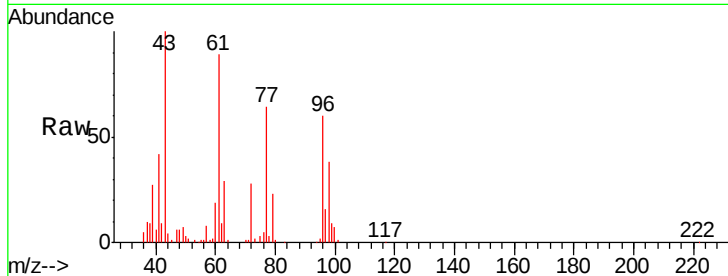
72 27.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

11/2/2018 1:11:12 PM



#26

2,2-Dichloropropane

Concen: 16.49 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052070.D

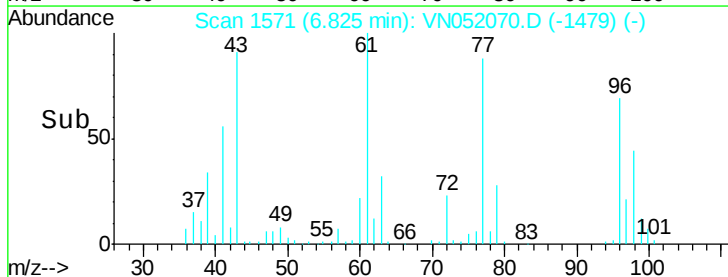
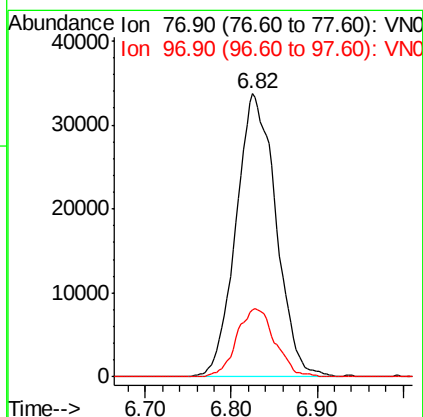
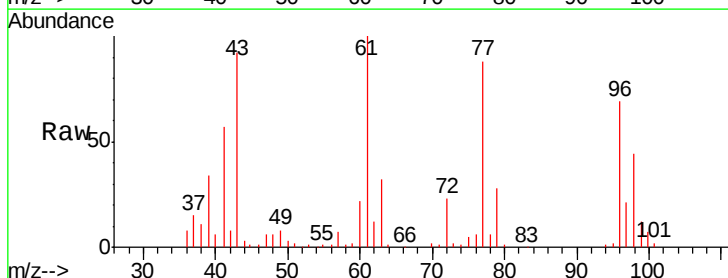
Acq: 31 Oct 2018 13:38

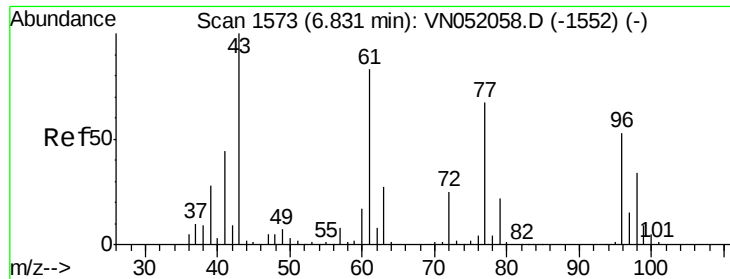
Tgt Ion: 77 Resp: 109080

Ion Ratio Lower Upper

77 100

97 23.0 10.5 31.5





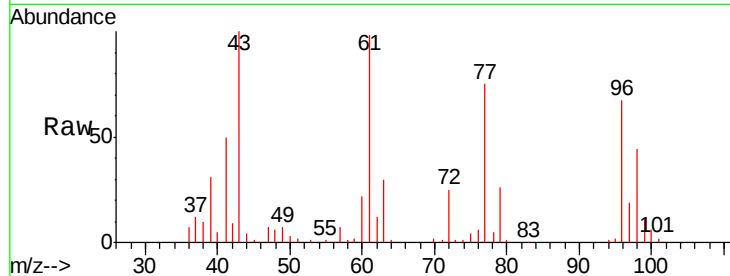
#27
 cis-1,2-Dichloroethene
 Concen: 18.01 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

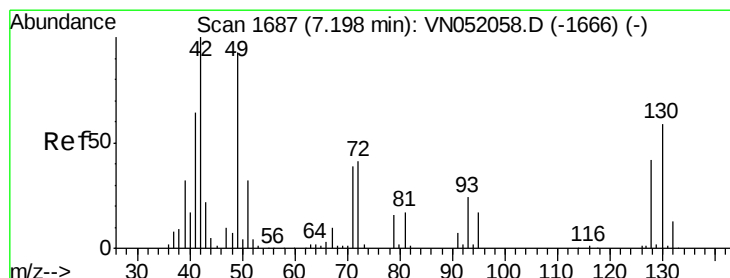
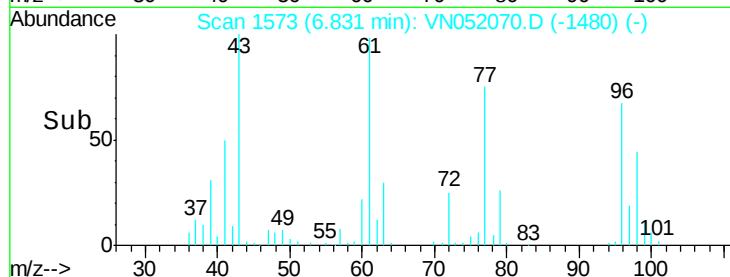
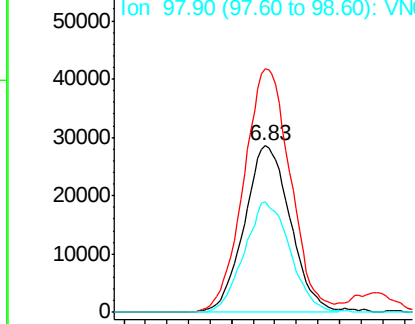
Tgt Ion: 96 Resp: 84478
 Ion Ratio Lower Upper
 96 100
 61 148.7 0.0 312.8
 98 66.3 0.0 127.0

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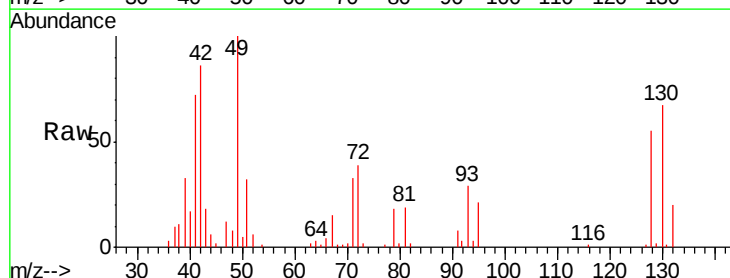


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

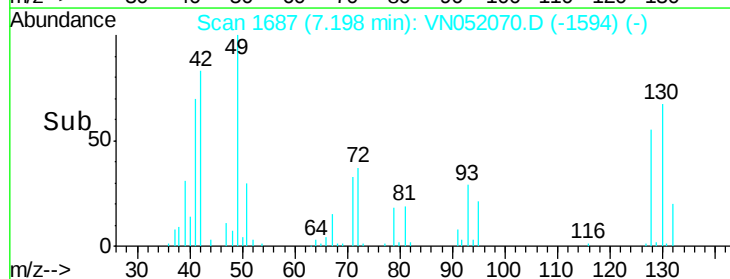
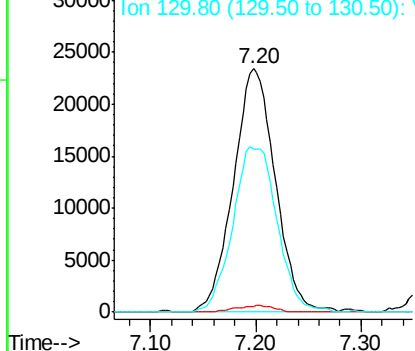


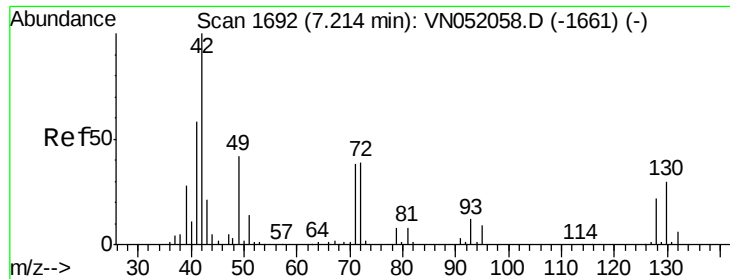
#28
 Bromochloromethane
 Concen: 15.65 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 49 Resp: 64604
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.4#
 130 71.8 50.8 76.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





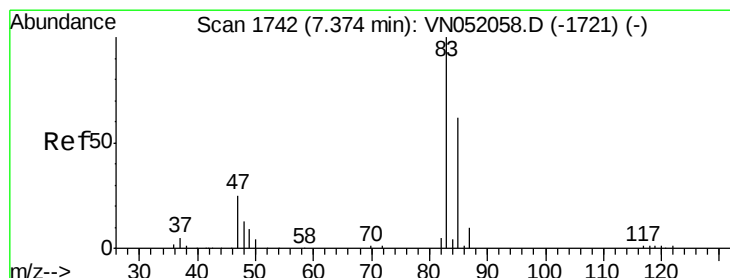
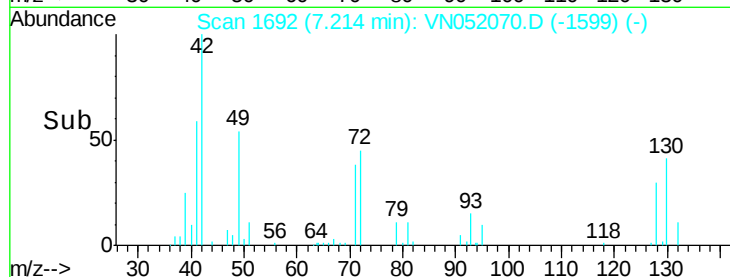
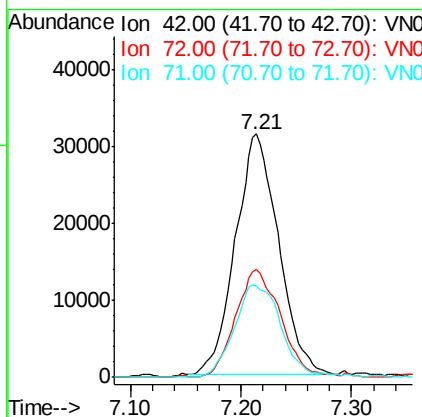
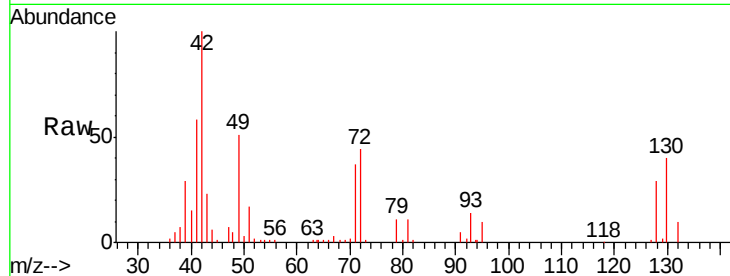
#29
Tetrahydrofuran
Concen: 72.07 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.8	32.5	48.7
71	42.0	30.6	46.0

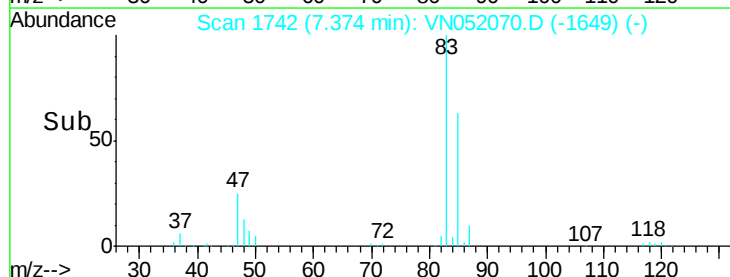
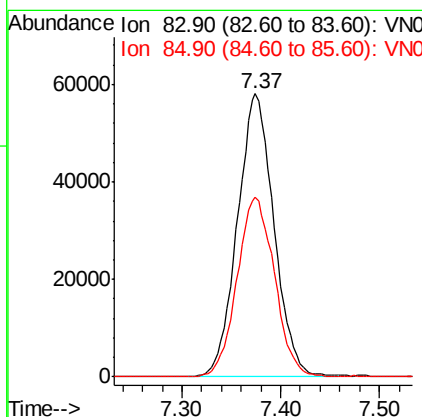
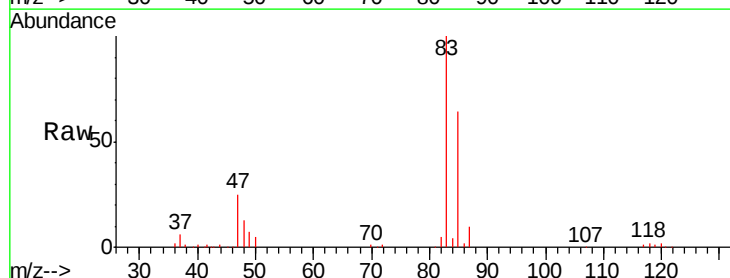
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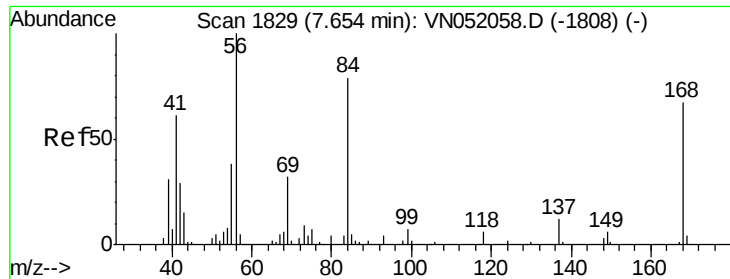
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#30
Chloroform
Concen: 17.92 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.6	74.4





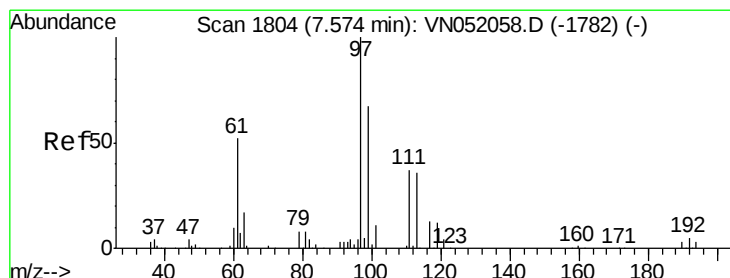
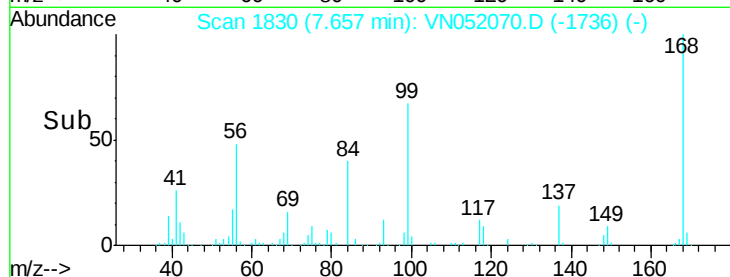
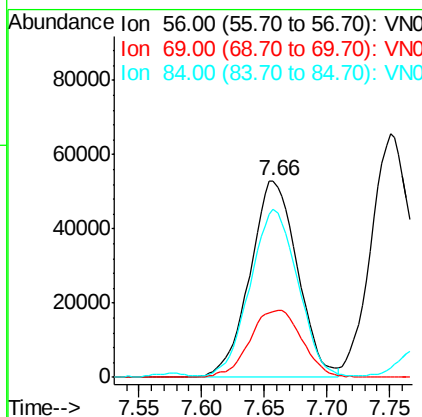
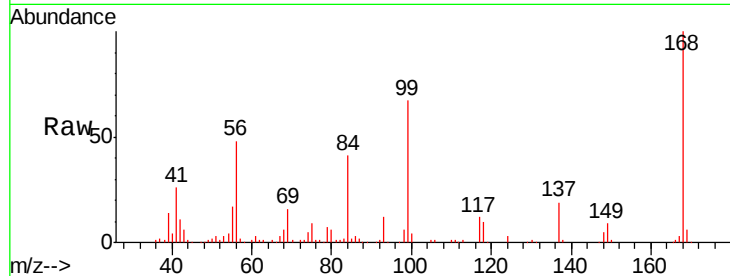
#31
Cyclohexane
Concen: 16.07 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.8	38.6
84	84.5	63.5	95.3

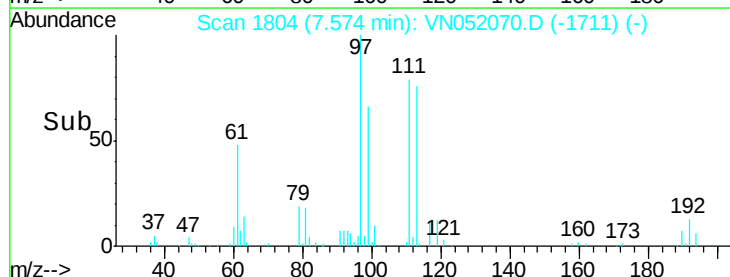
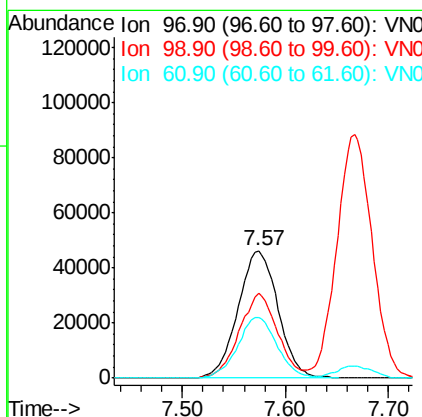
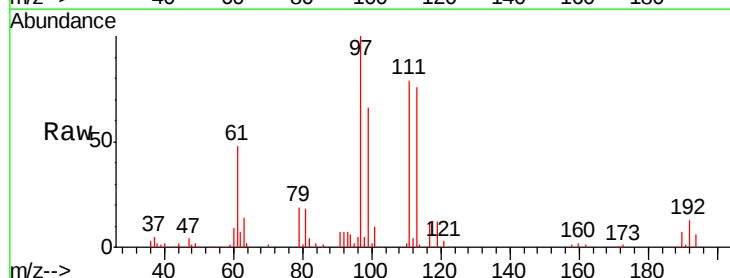
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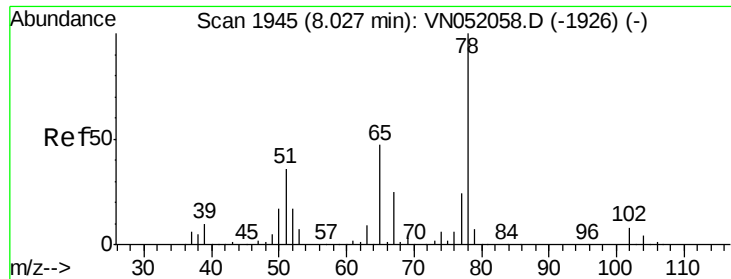
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#32
1,1,1-Trichloroethane
Concen: 18.59 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	47.1	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 18.59 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 65 Resp: 211477

Ion Ratio Lower Upper

65 100

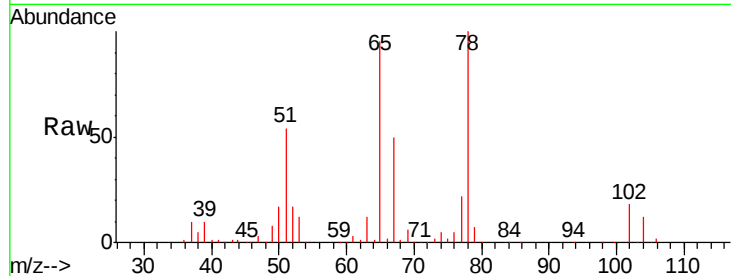
67 53.2 0.0 105.2

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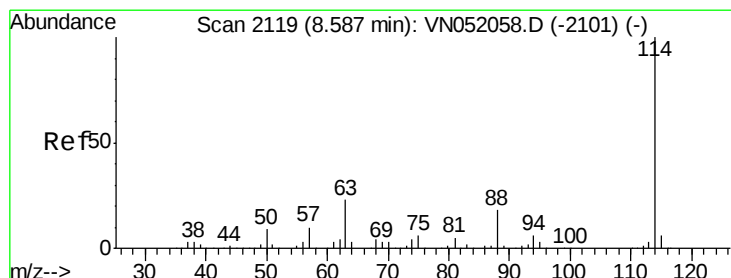
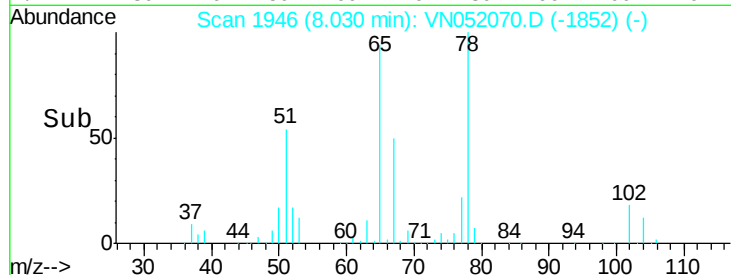
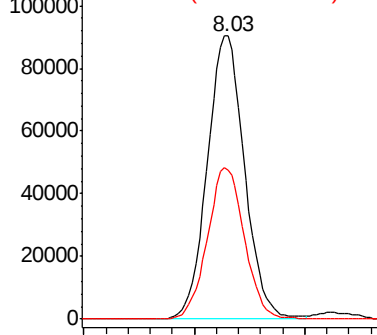
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

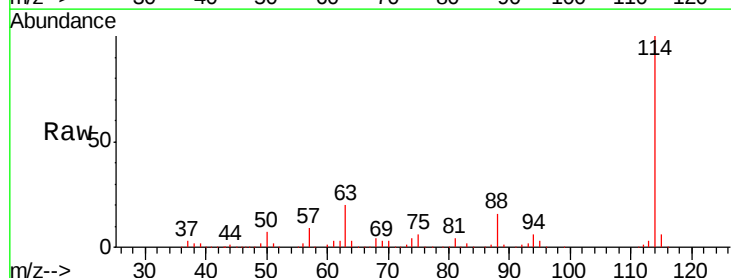
Tgt Ion: 114 Resp: 600847

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.0

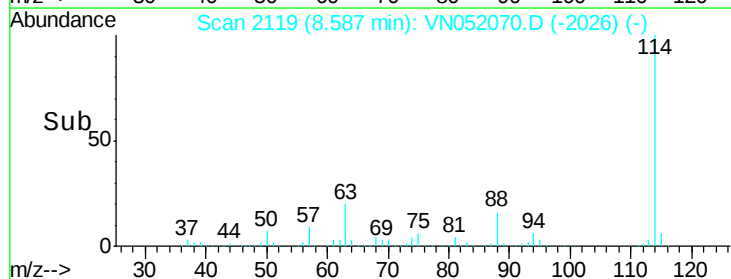
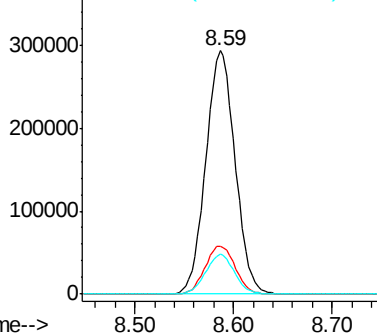
88 16.4 0.0 35.4

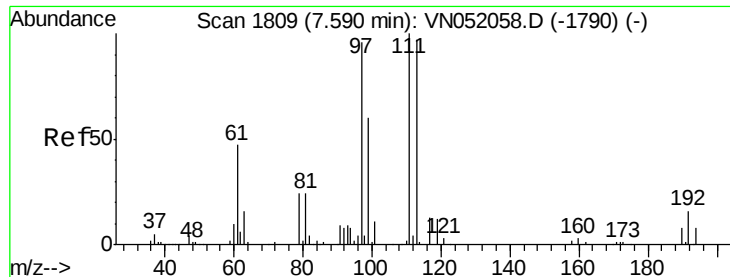


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

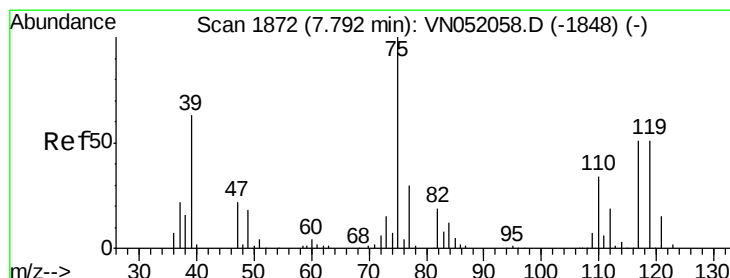
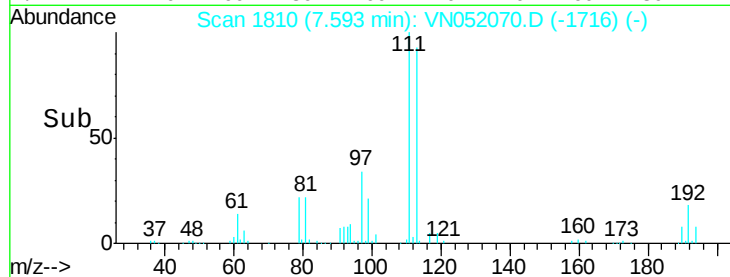
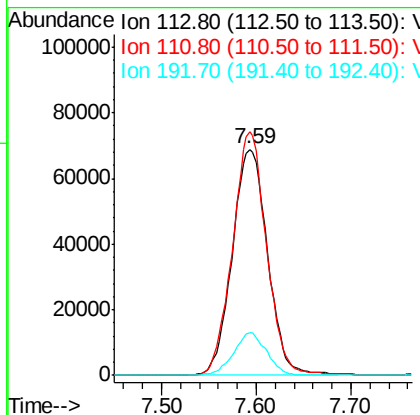
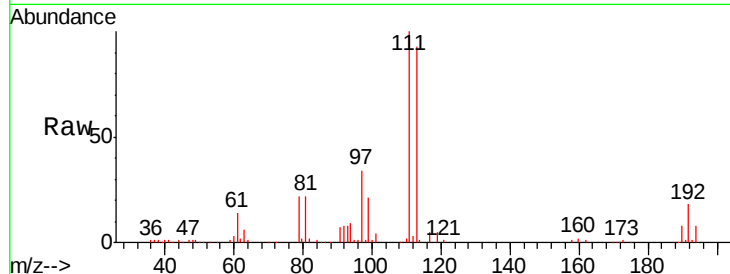
ClientSampleId :

VN1031WBSD01

Tgt Ion:	113	Resp:	179111
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.5	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 17.94 ug/l

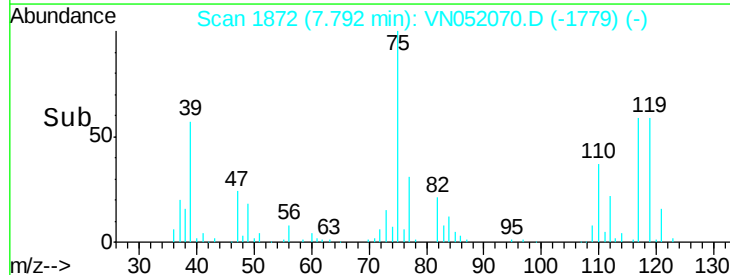
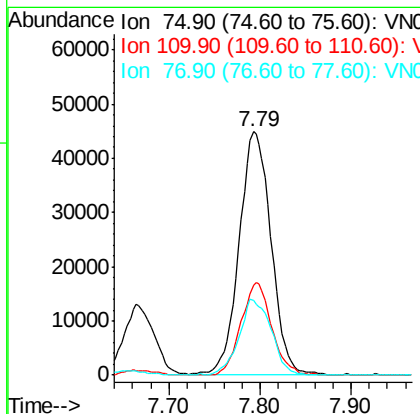
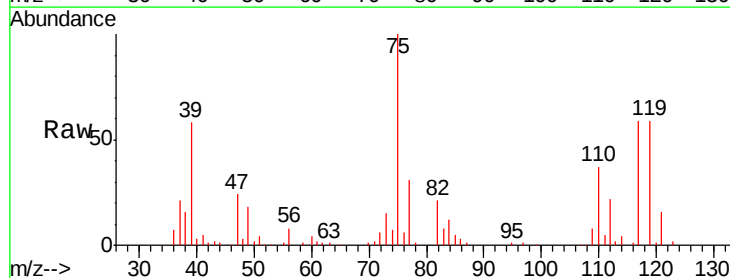
RT: 7.79 min Scan# 1872

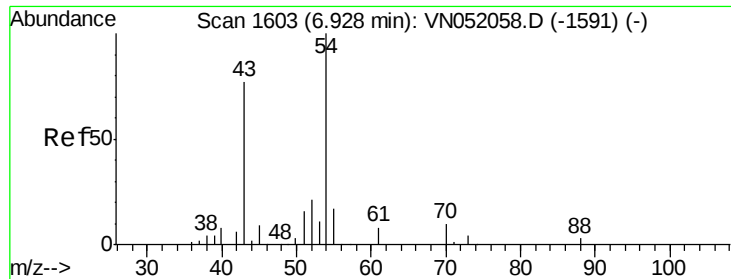
Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	75	Resp:	109589
Ion	Ratio	Lower	Upper
75	100		
110	36.3	16.0	48.0
77	31.2	24.5	36.7





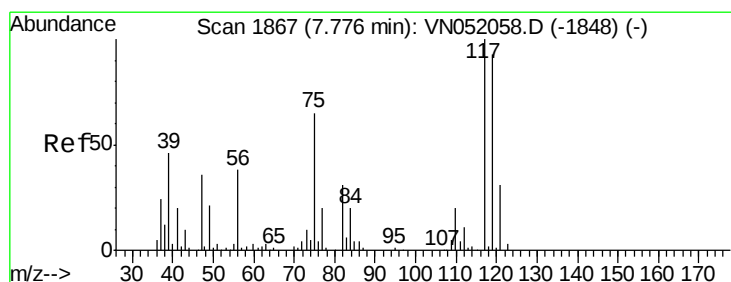
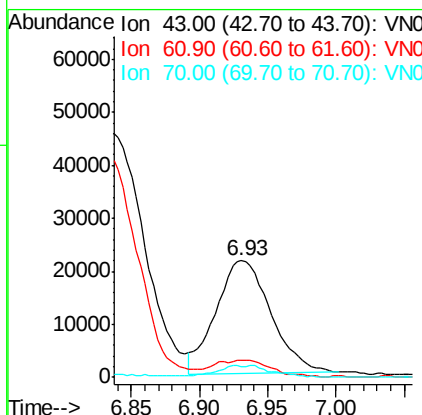
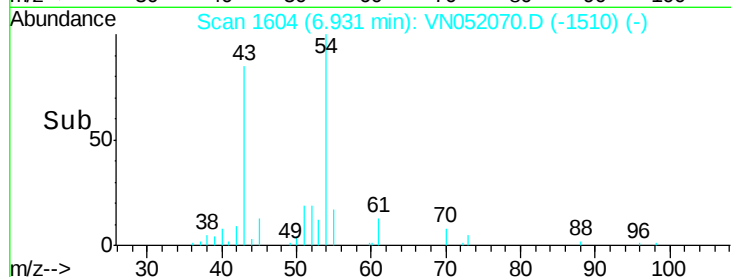
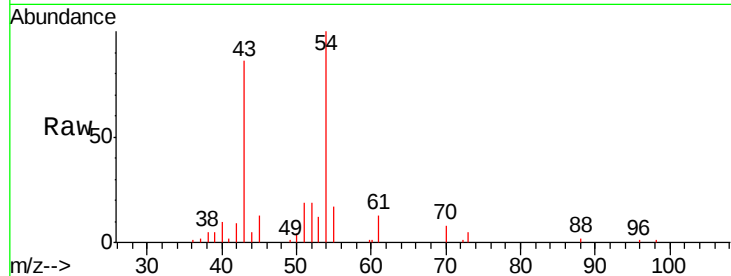
#37
Ethyl Acetate
 Concen: 14.68 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion: 43 Resp: 60019
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 4.2 8.6 12.8#

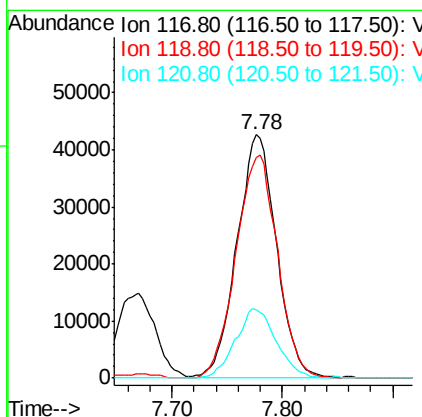
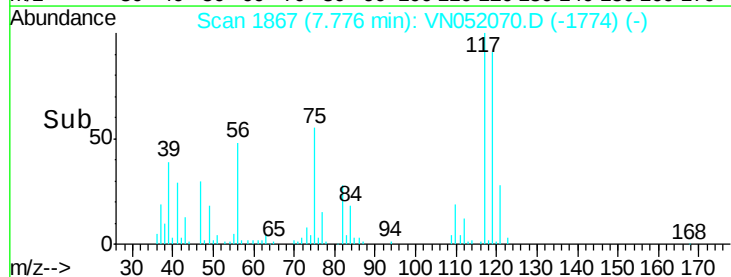
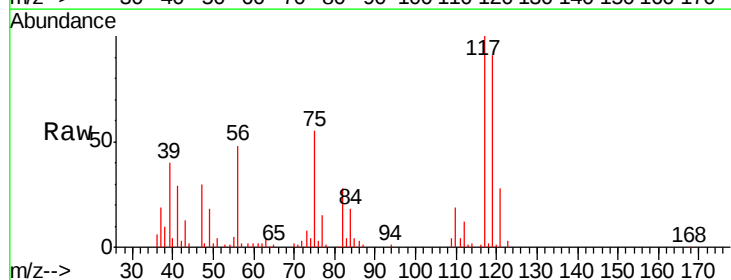
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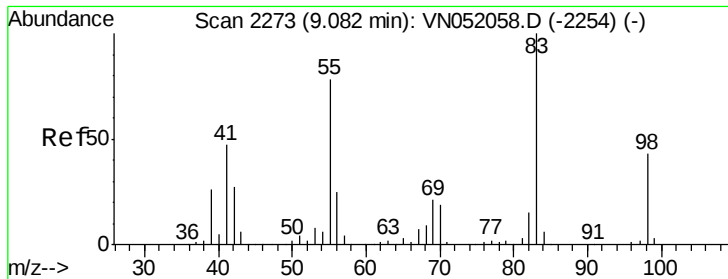
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#38
Carbon Tetrachloride
 Concen: 20.12 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 117 Resp: 105984
 Ion Ratio Lower Upper
 117 100
 119 90.8 74.8 112.2
 121 28.1 25.1 37.7





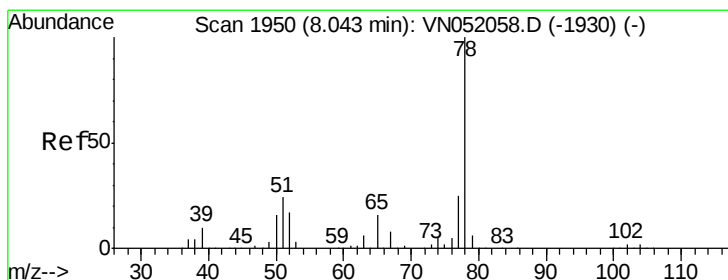
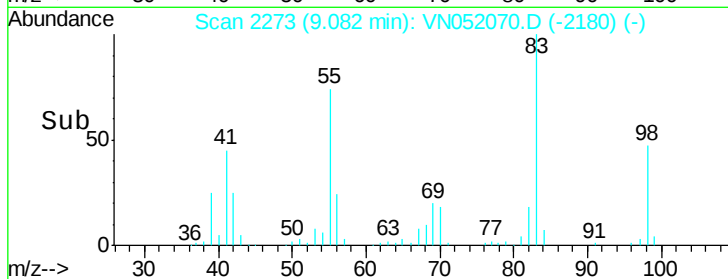
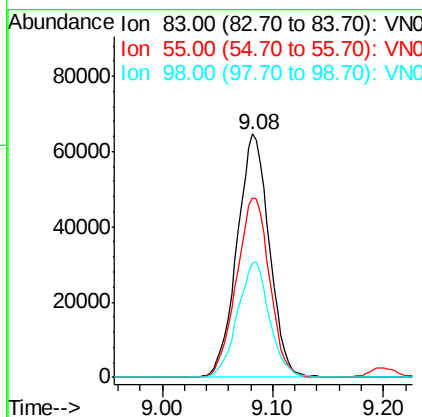
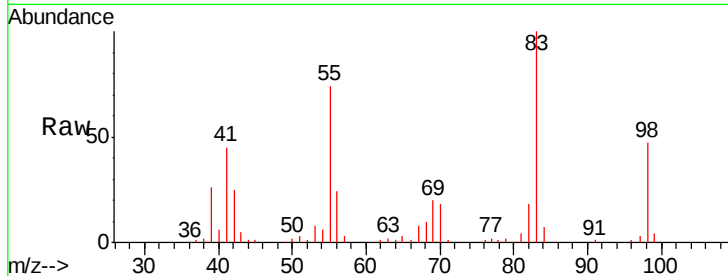
#39
Methylcyclohexane
Concen: 18.07 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.7	62.0	93.0
98	47.1	34.7	52.1

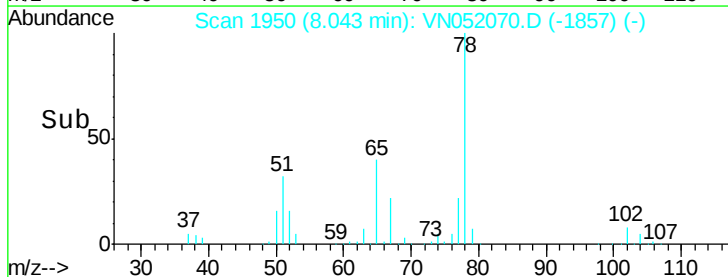
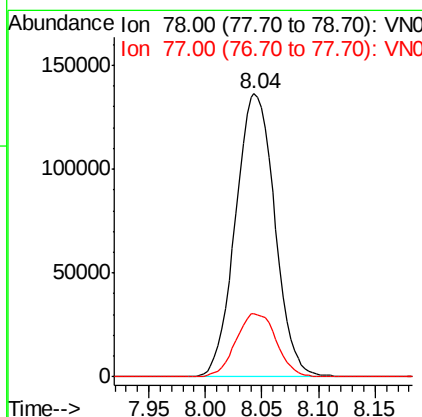
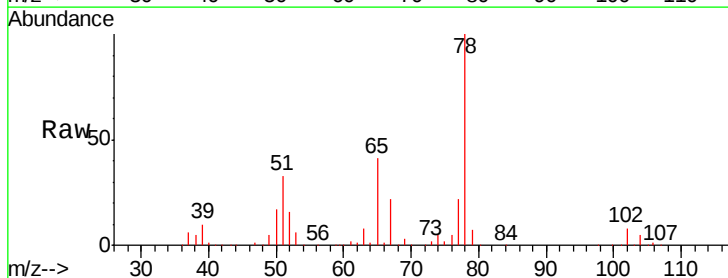
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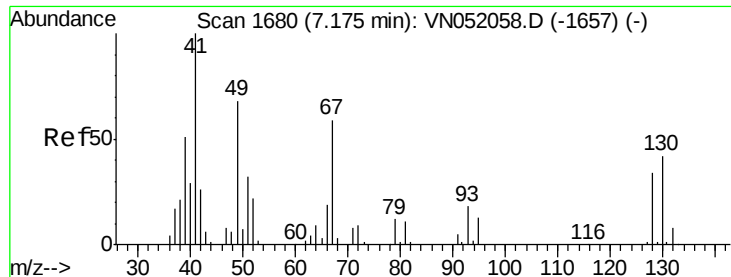
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#40
Benzene
Concen: 18.70 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.8	29.6





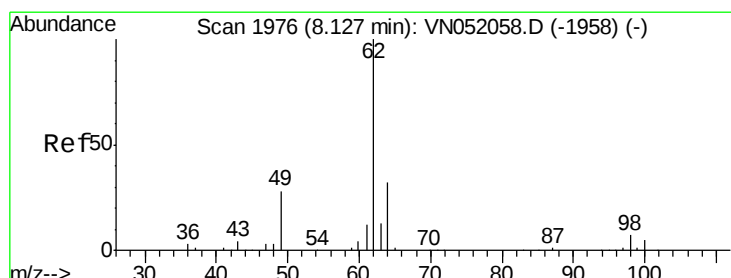
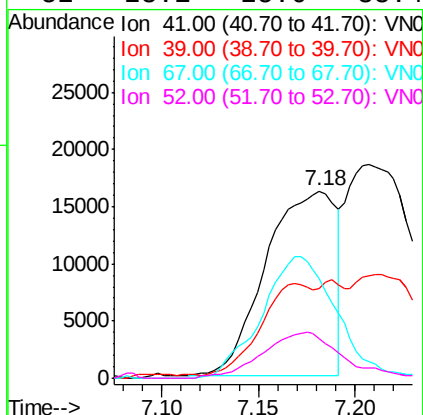
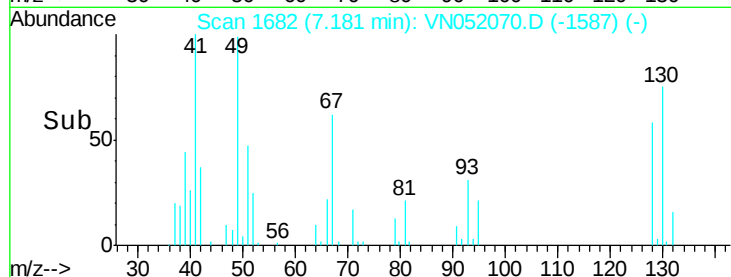
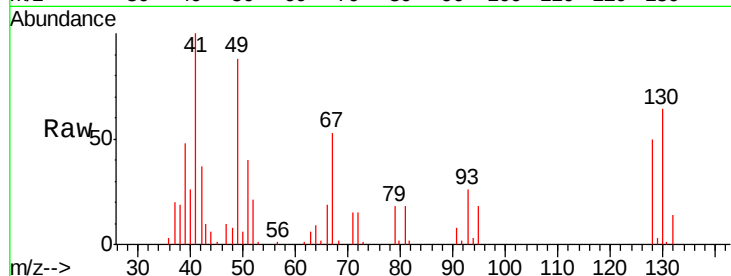
#41
Methacrylonitrile
Concen: 19.32 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	36.5	33.2	49.8
67	70.6	63.5	95.3
52	28.1	25.6	38.4

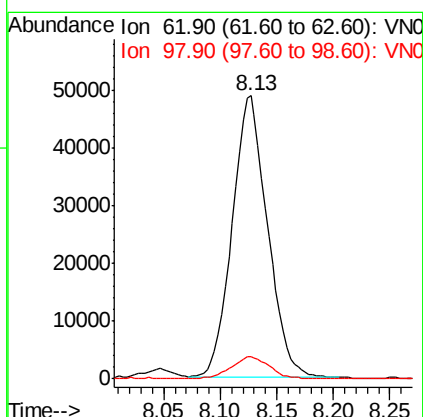
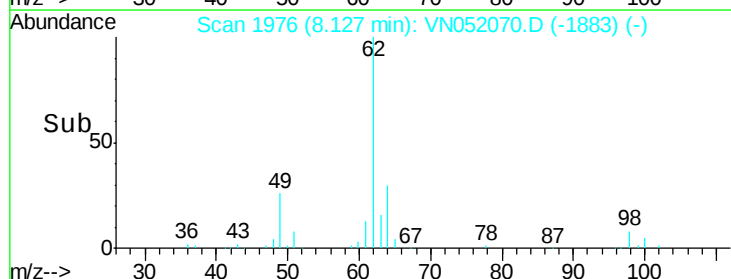
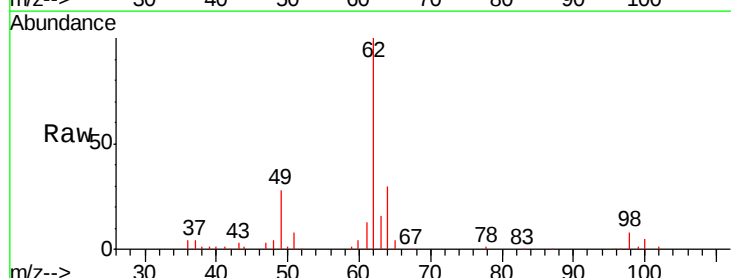
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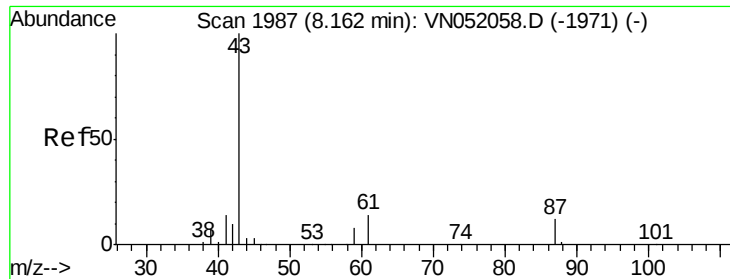
MMDadoda
11/2/2018 1:11:12 PM



#42
1,2-Dichloroethane
Concen: 16.32 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.2





#43

Isopropyl Acetate

Concen: 15.92 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

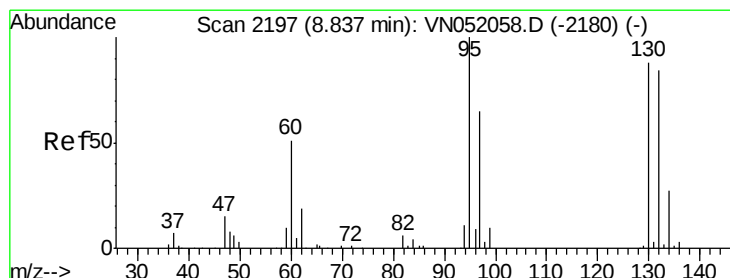
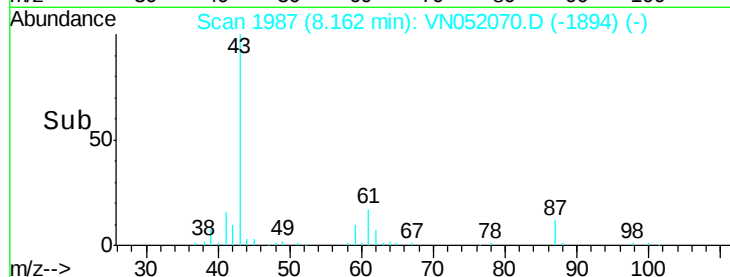
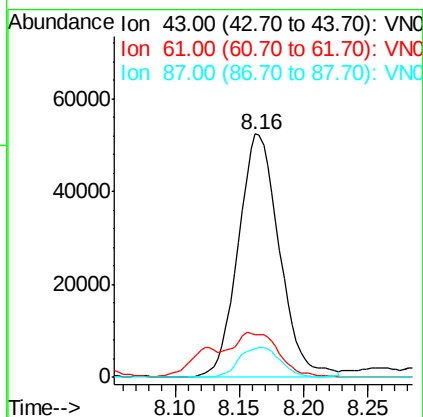
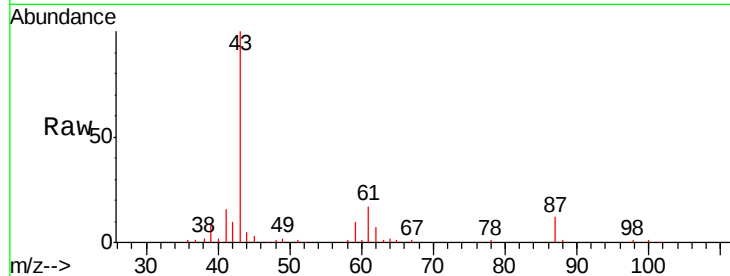
ClientSampled :

VN1031WBSD01

Tgt Ion:	43	Resp:	115793
Ion Ratio	Lower	Upper	
43	100		
61	18.7	15.4	23.0
87	12.4	9.8	14.8

Manual Integrations
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MMDadoda
11/2/2018 1:11:12 PM



#44

Trichloroethene

Concen: 19.78 ug/l

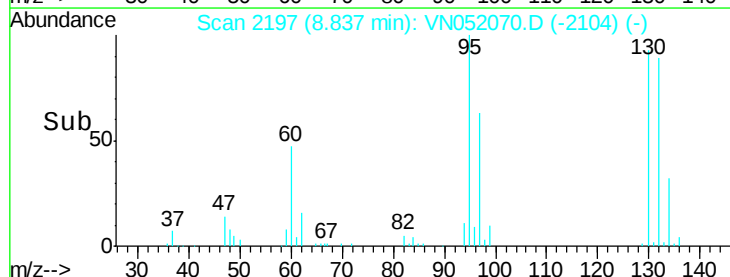
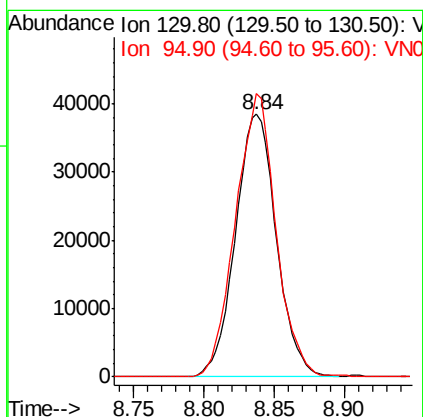
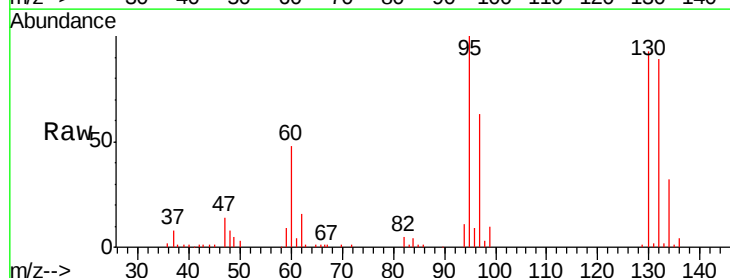
RT: 8.84 min Scan# 2197

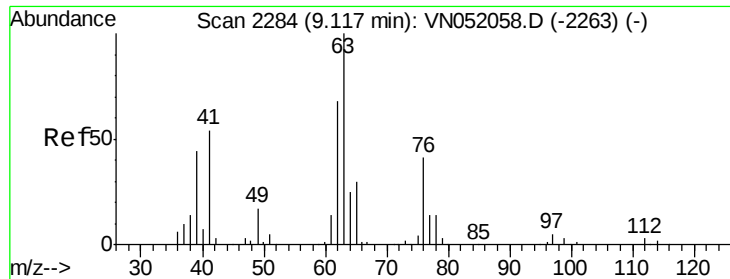
Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	130	Resp:	78175
Ion Ratio	Lower	Upper	
130	100		
95	107.7	0.0	228.4





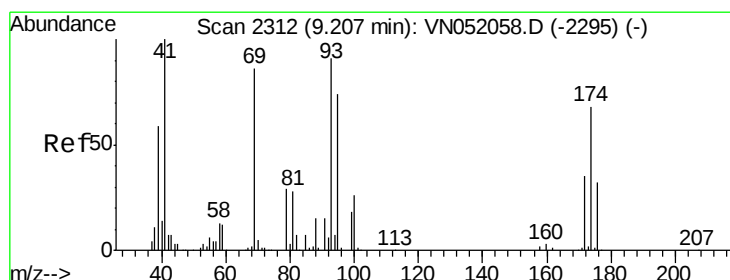
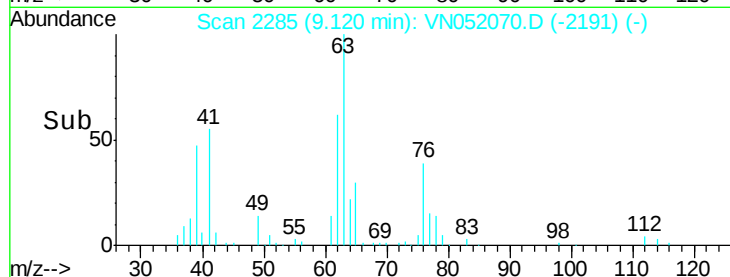
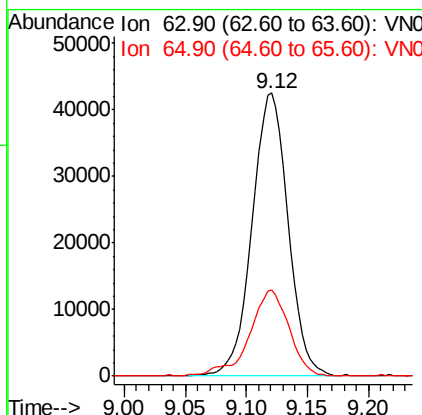
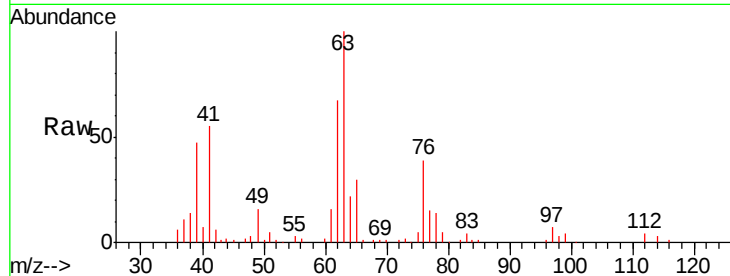
#45
 1,2-Dichloropropane
 Concen: 17.23 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion: 63 Resp: 86720
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7

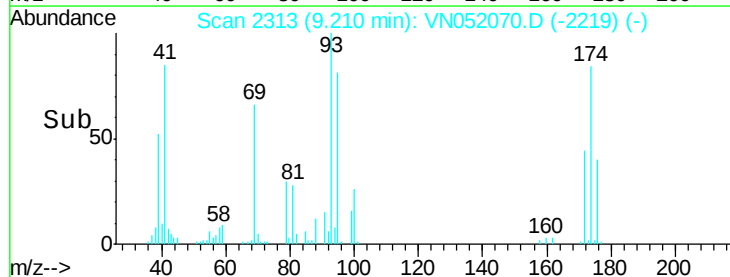
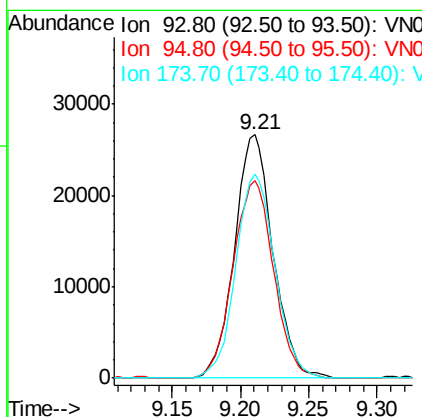
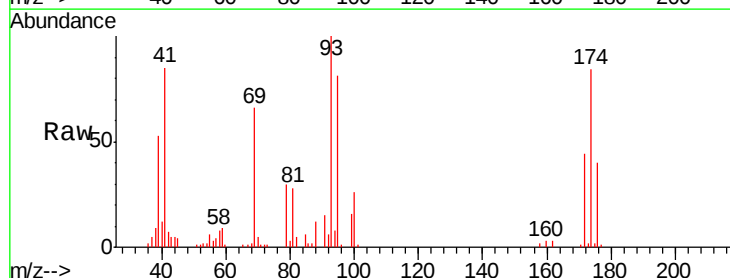
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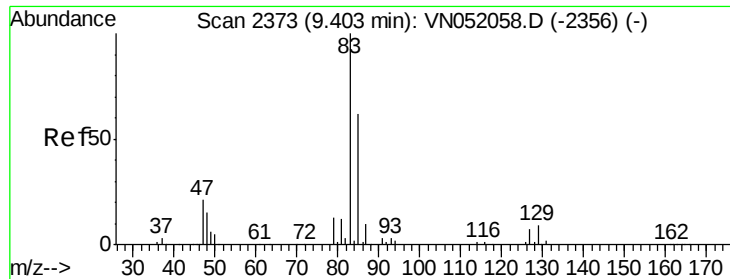
MMDadoda
 11/2/2018 1:11:12 PM



#46
 Dibromomethane
 Concen: 18.57 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 93 Resp: 52254
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.2 100.8
 174 85.5 59.7 89.5





#47

Bromodichloromethane

Concen: 18.08 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

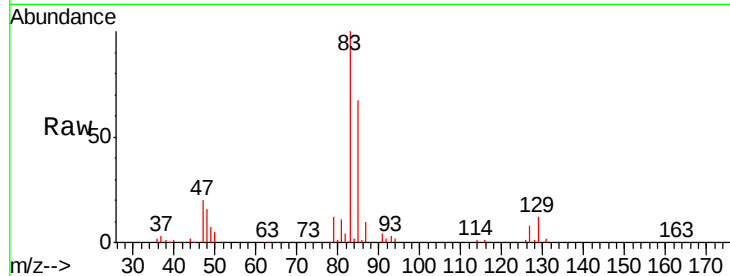
ClientSampleId :

VN1031WBSD01

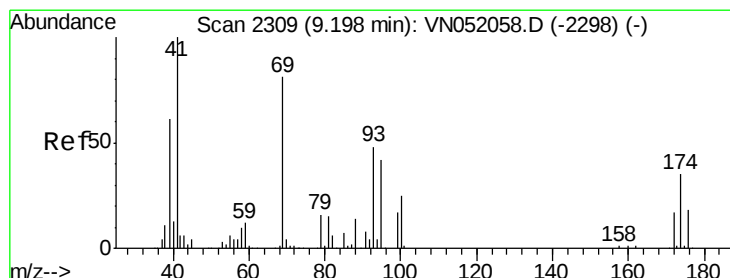
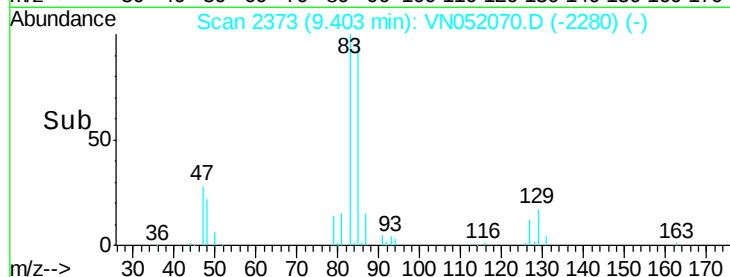
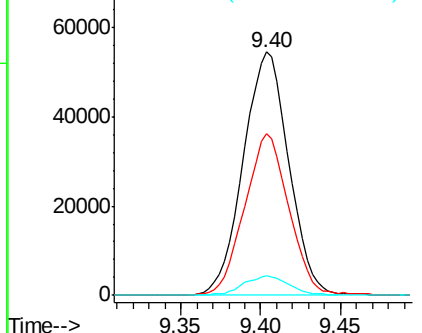
Tgt Ion:	83	Resp:	106085
Ion Ratio	Lower	Upper	
83	100		
85	66.6	49.4	74.2
127	8.1	5.8	8.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052070.D (-2280) (-)



#48

Methyl methacrylate

Concen: 16.23 ug/l

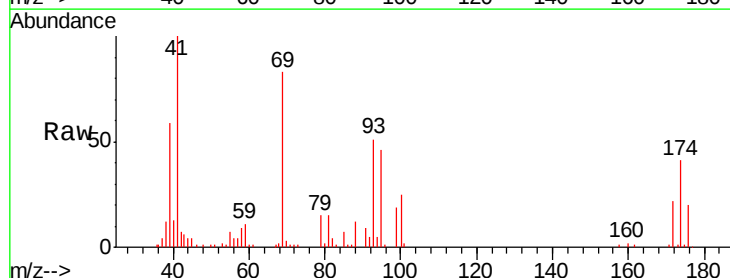
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

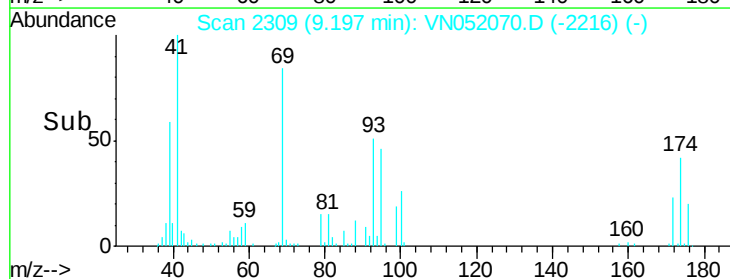
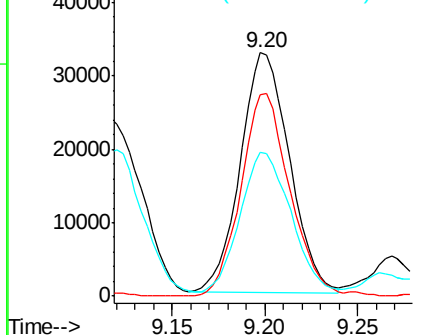
Lab File: VN052070.D

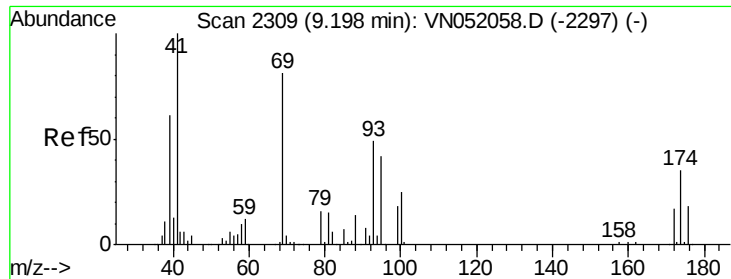
Acq: 31 Oct 2018 13:38

Tgt Ion:	41	Resp:	59835
Ion Ratio	Lower	Upper	
41	100		
69	85.0	67.1	100.7
39	61.9	50.5	75.7



Abundance Ion 41.00 (40.70 to 41.70): VN052070.D (-2216) (-)





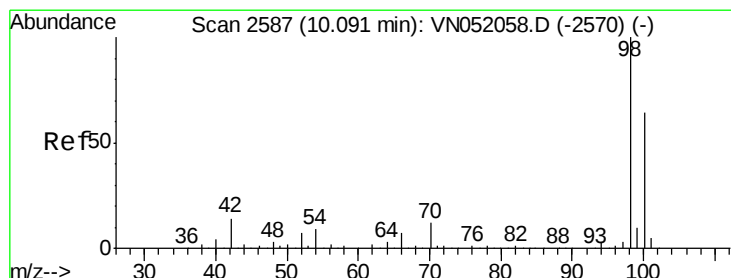
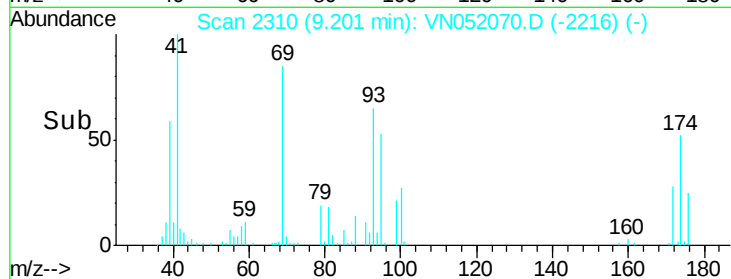
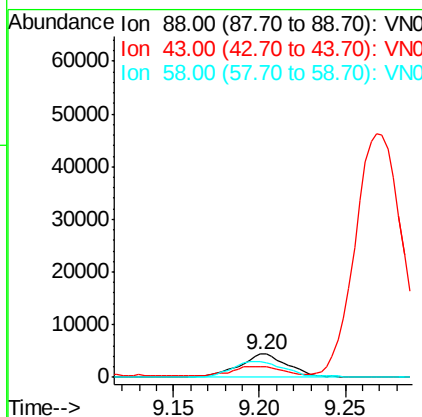
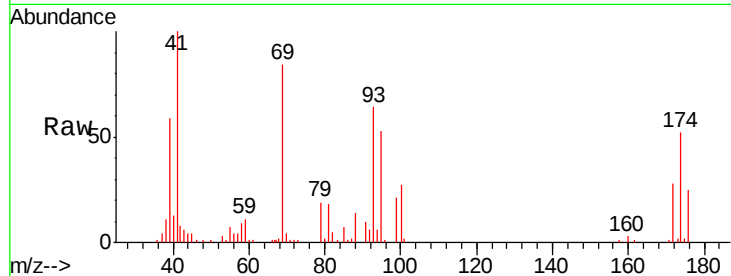
#49
 1,4-Dioxane
 Concen: 306.16 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.5	34.1	51.1
58	70.3	62.8	94.2

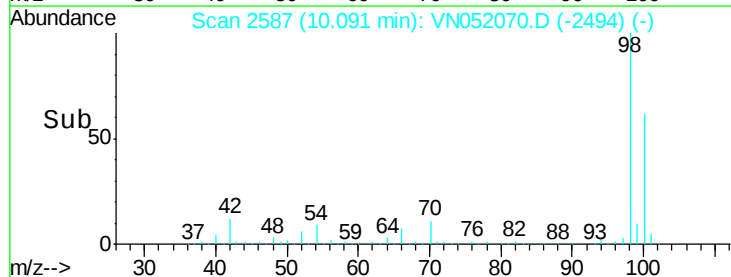
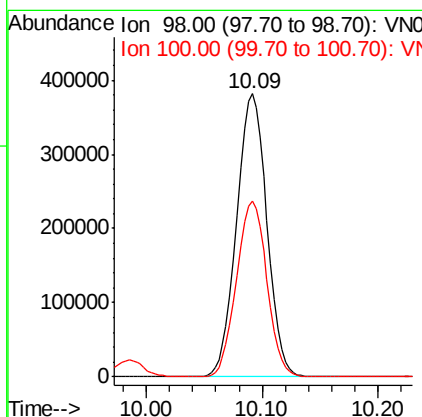
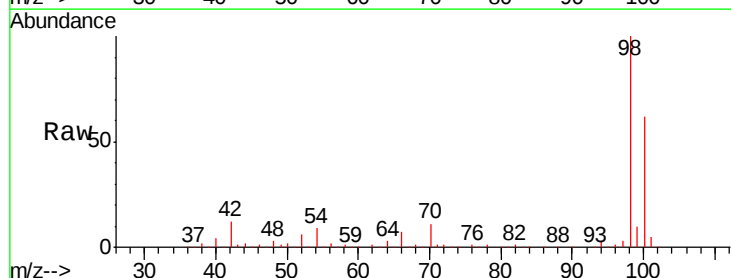
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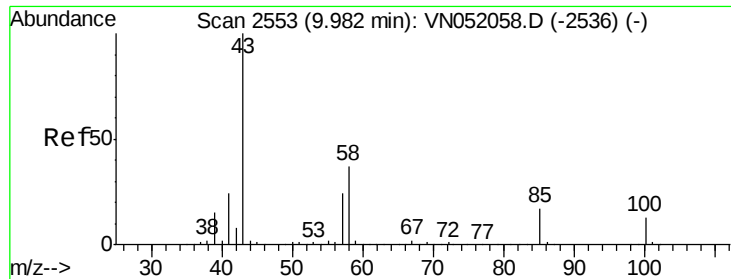
MMDadoda
 11/2/2018 1:11:12 PM



#50
 Toluene-d8
 Concen: 306.16 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.4	77.2





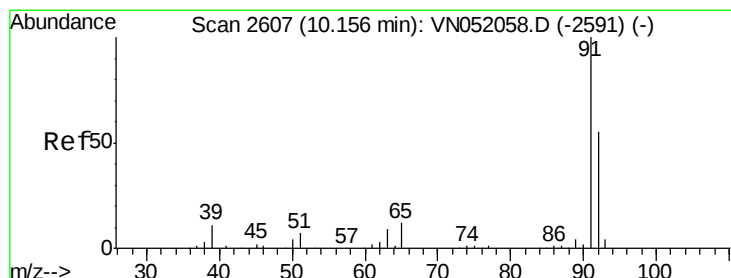
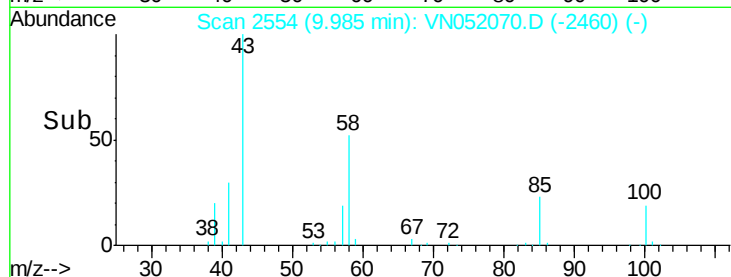
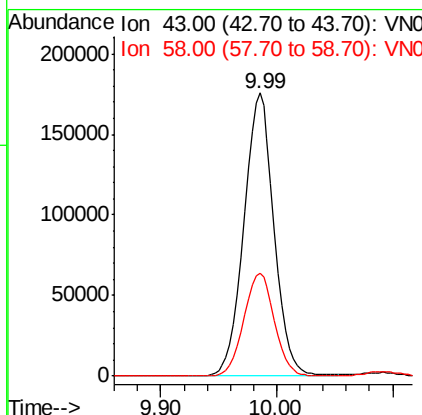
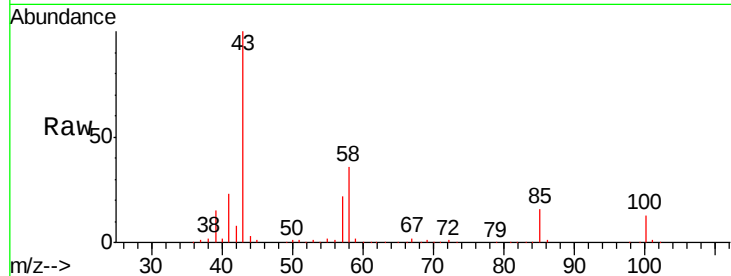
#51
4-Methyl-2-Pentanone
Concen: 80.18 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 43 Resp: 316969
Ion Ratio Lower Upper
43 100
58 37.1 29.7 44.5

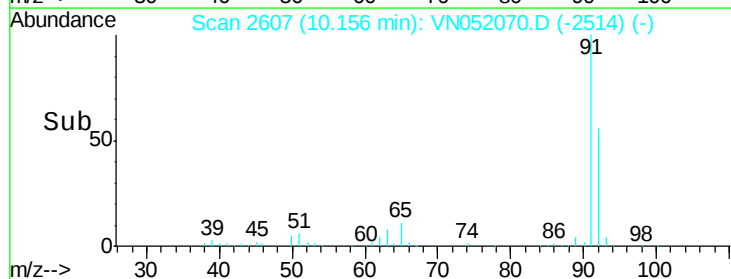
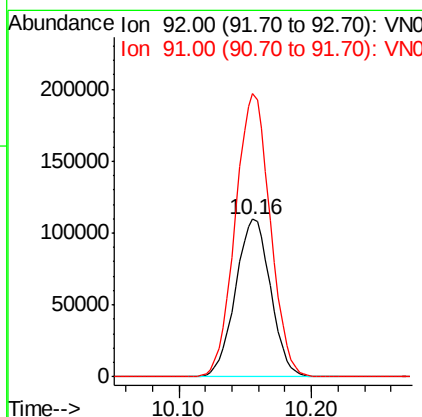
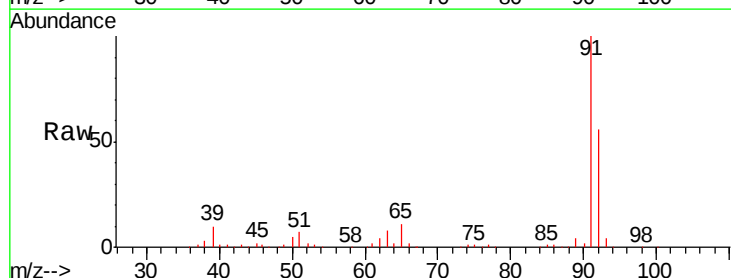
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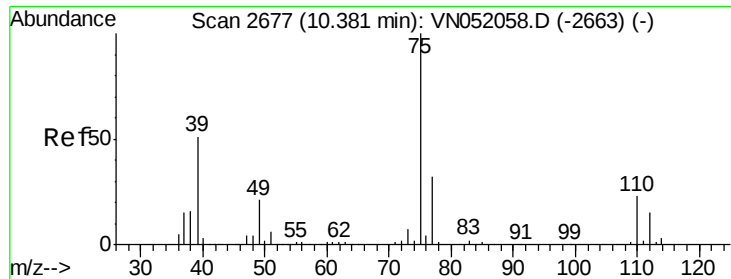
MMDadoda
11/2/2018 1:11:12 PM



#52
Toluene
Concen: 18.89 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 92 Resp: 201512
Ion Ratio Lower Upper
92 100
91 178.7 143.9 215.9





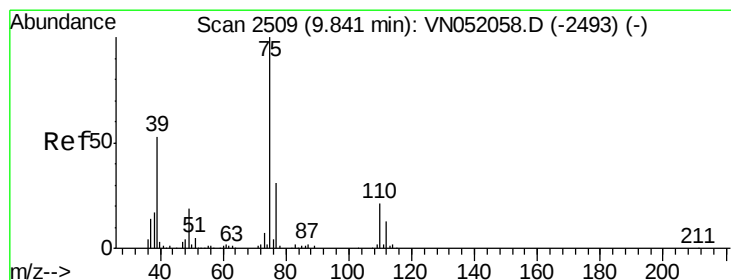
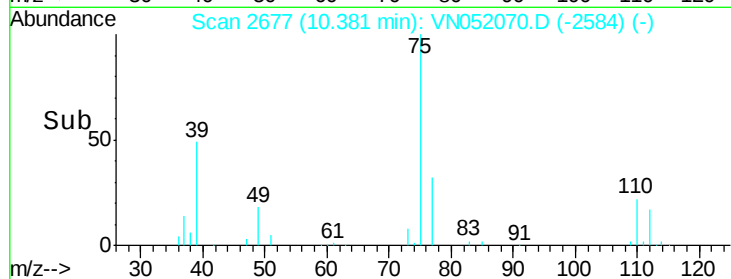
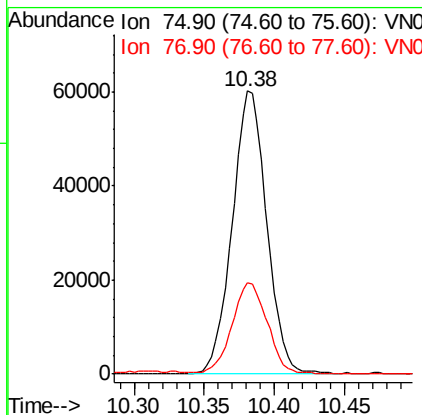
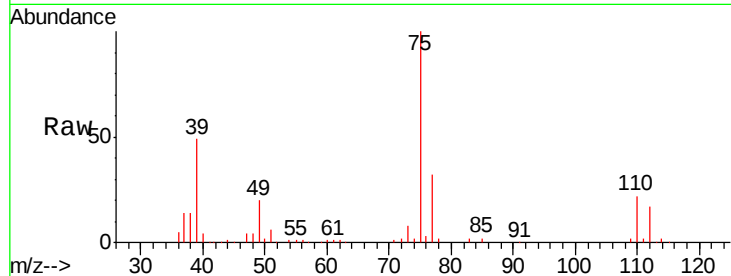
#53
t-1,3-Dichloropropene
Concen: 16.62 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 75 Resp: 103090
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

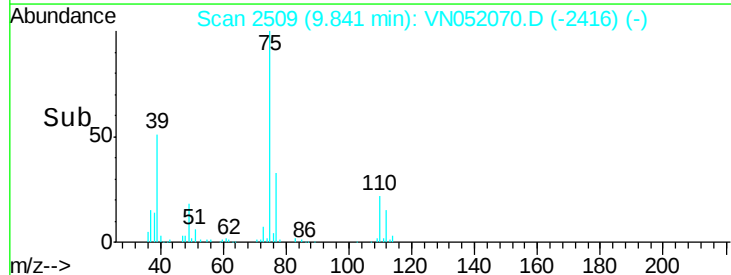
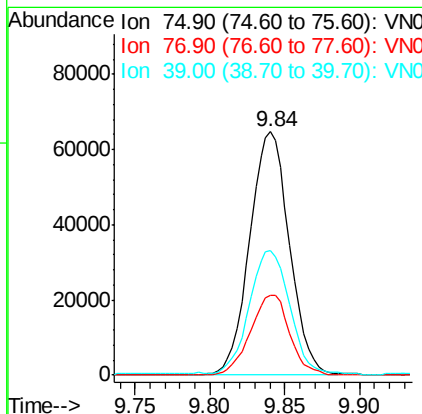
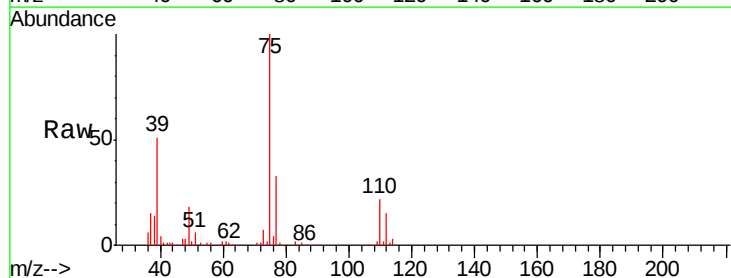
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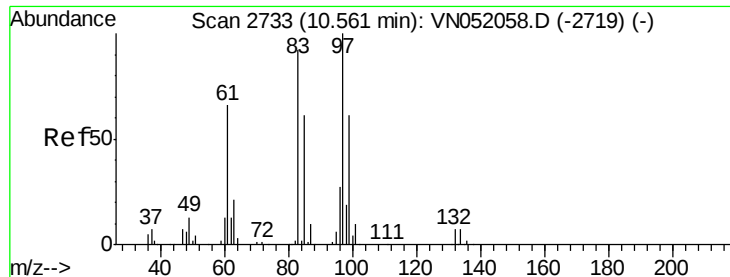
MMDadoda
11/2/2018 1:11:12 PM



#54
cis-1,3-Dichloropropene
Concen: 17.33 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 75 Resp: 119373
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.4
39 50.8 42.3 63.5





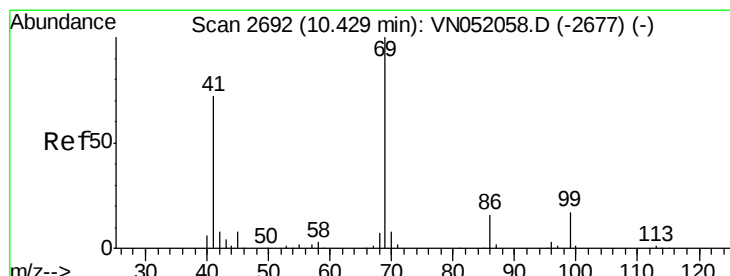
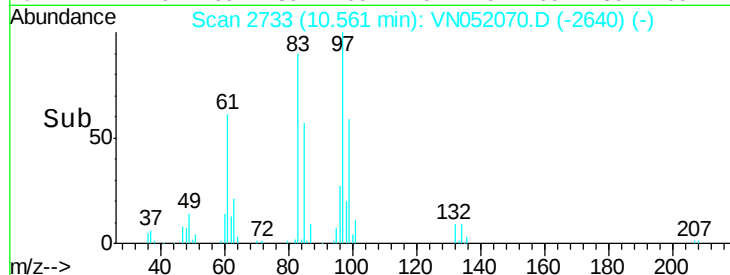
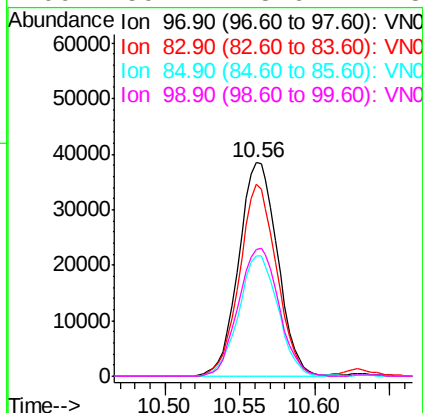
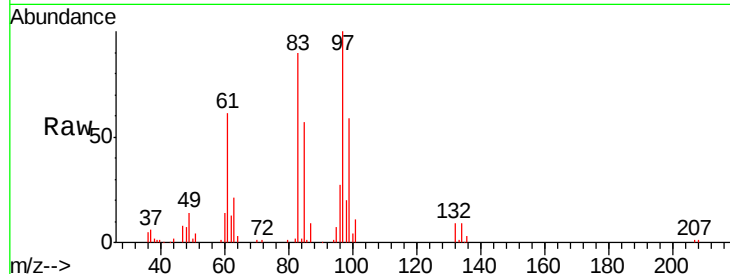
#55
 1,1,2-Trichloroethane
 Concen: 18.37 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.8	110.8
85	56.6	48.4	72.6
99	59.4	48.6	72.8

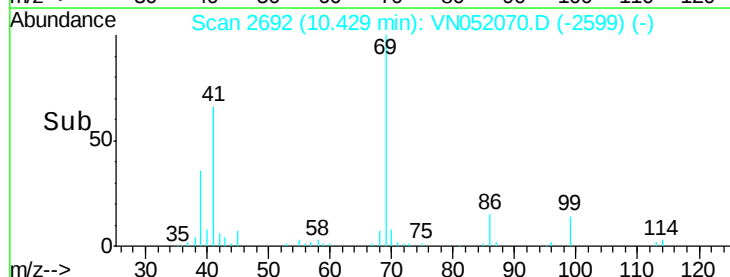
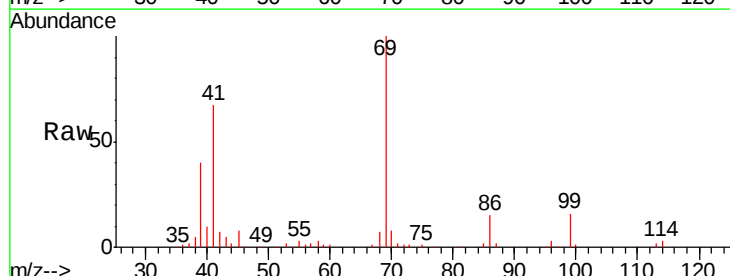
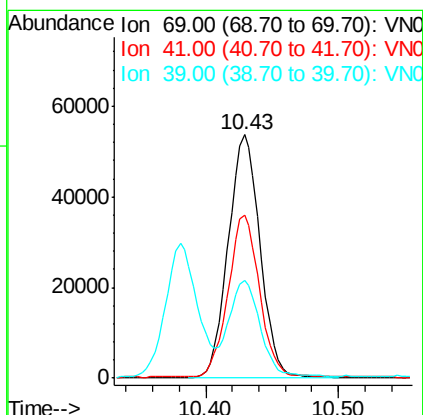
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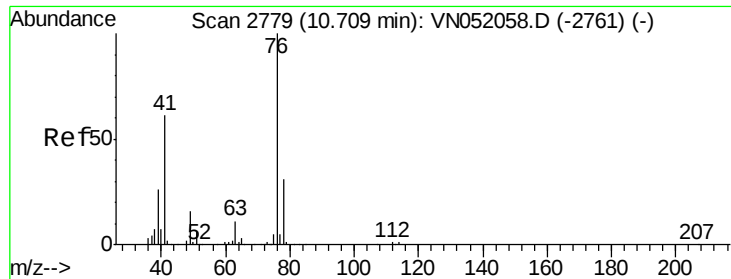
MMDadoda
 11/2/2018 1:11:12 PM



#56
 Ethyl methacrylate
 Concen: 16.53 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	55.5	83.3
39	38.3	33.0	49.4





#57

1,3-Dichloropropane

Concen: 17.18 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 76 Resp: 120075

Ion Ratio Lower Upper

76 100

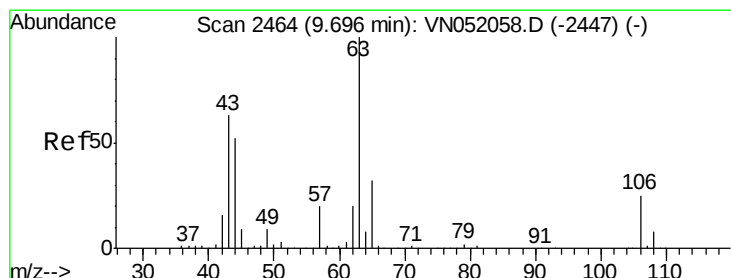
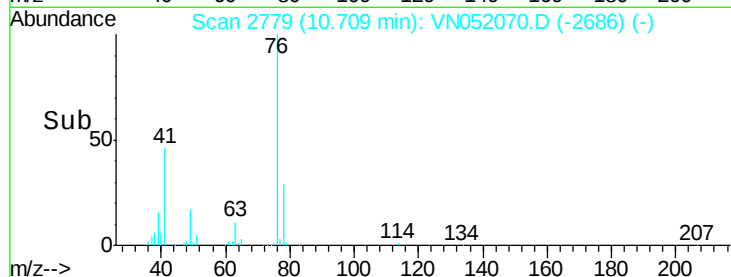
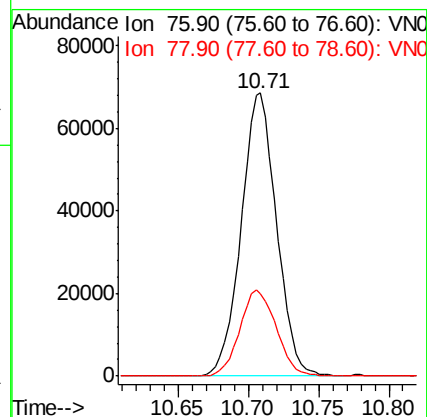
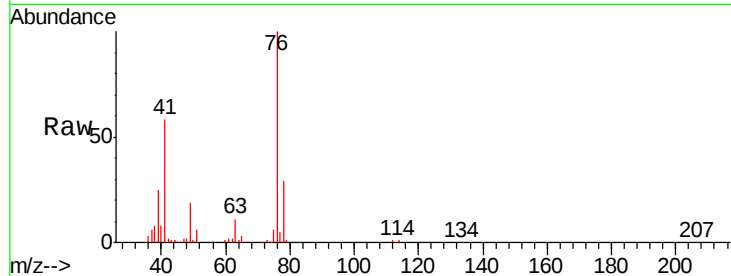
78 31.4 25.4 38.0

Manual Integrations

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11/2/2018 1:11:12 PM



#58

2-Chloroethyl Vinyl ether

Concen: 85.65 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052070.D

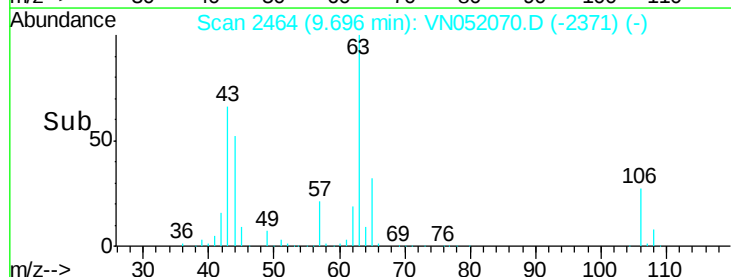
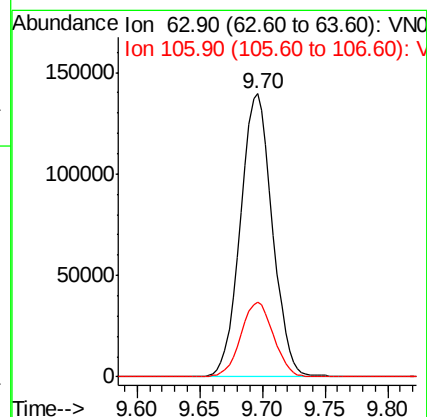
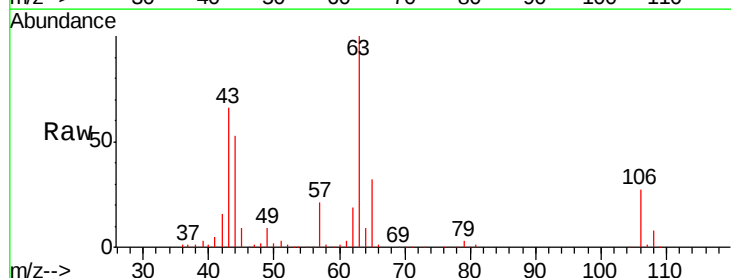
Acq: 31 Oct 2018 13:38

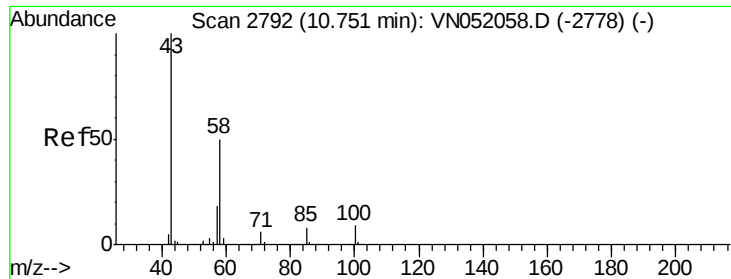
Tgt Ion: 63 Resp: 247593

Ion Ratio Lower Upper

63 100

106 26.9 19.4 29.2





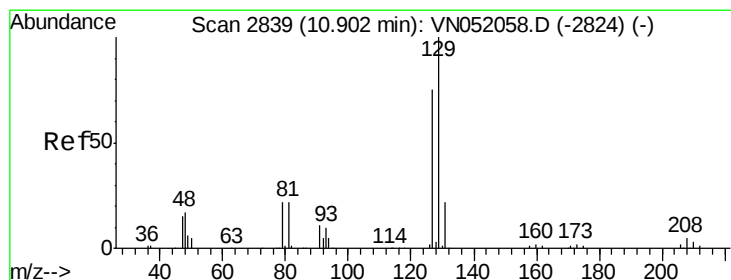
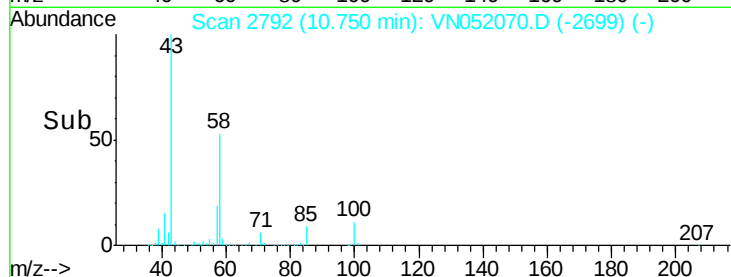
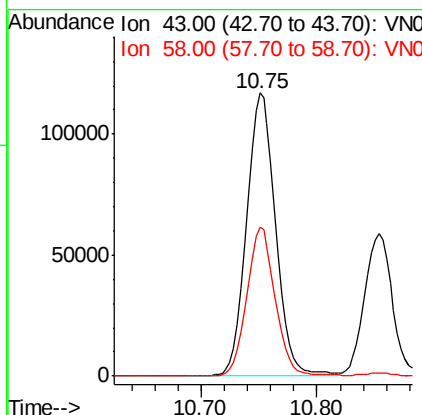
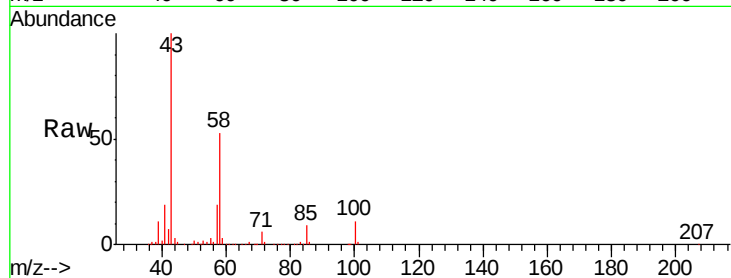
#59
2-Hexanone
Concen: 72.69 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 43 Resp: 204779
Ion Ratio Lower Upper
43 100
58 50.9 25.2 75.6

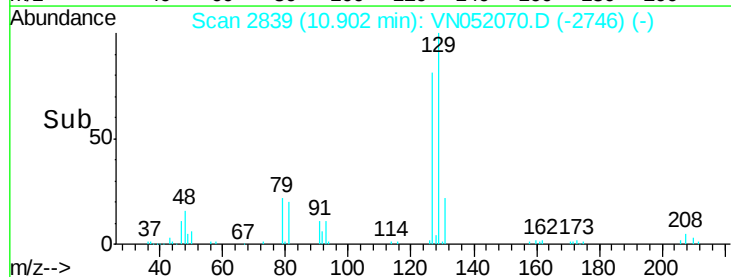
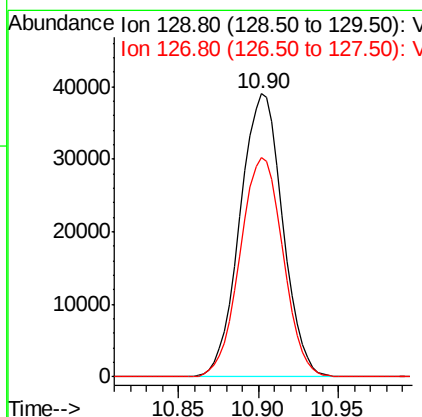
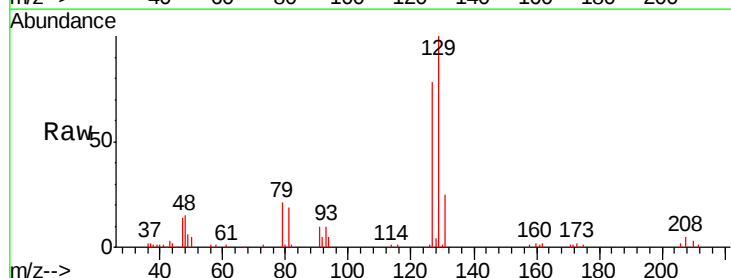
Manual Integrations
APPROVED

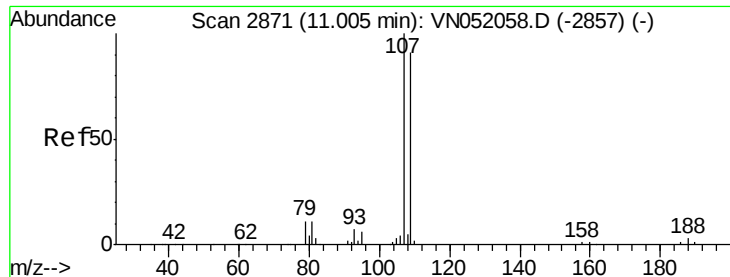
MMDadoda
11/2/2018 1:11:12 PM



#60
Dibromochloromethane
Concen: 18.99 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 129 Resp: 71040
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





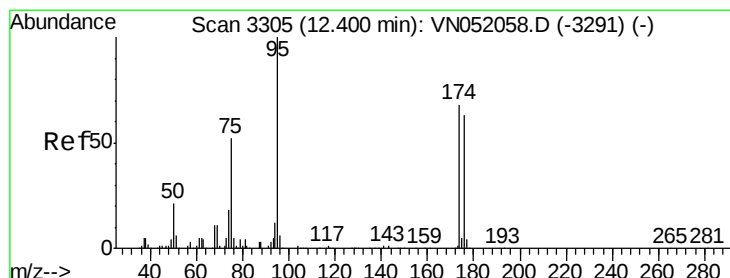
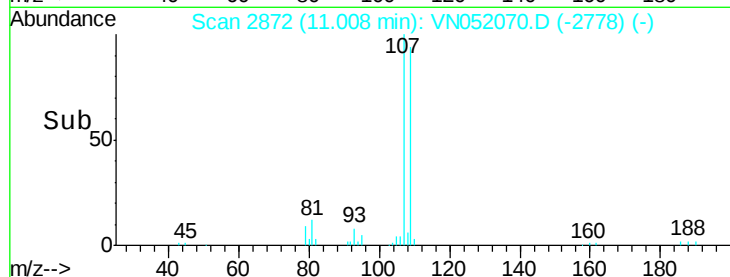
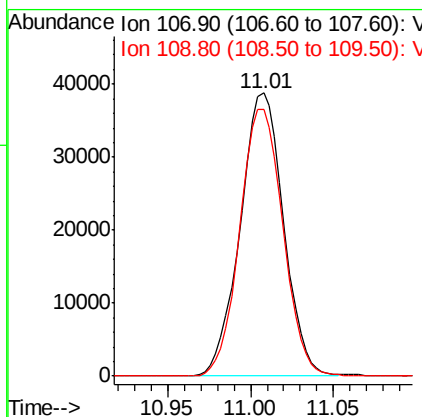
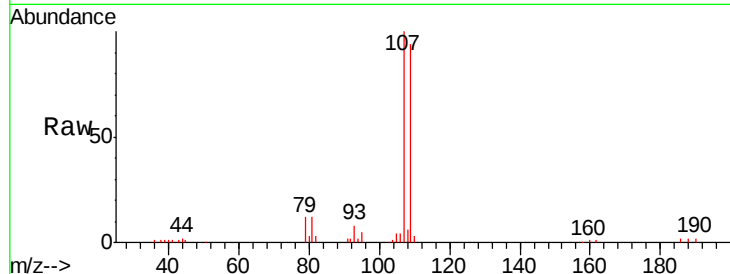
#61
 1,2-Dibromoethane
 Concen: 18.66 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion: 107 Resp: 70477
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.1 112.7

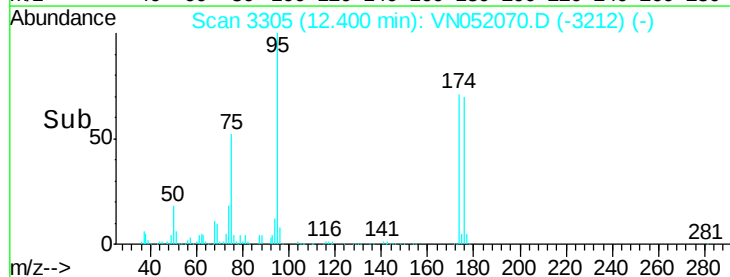
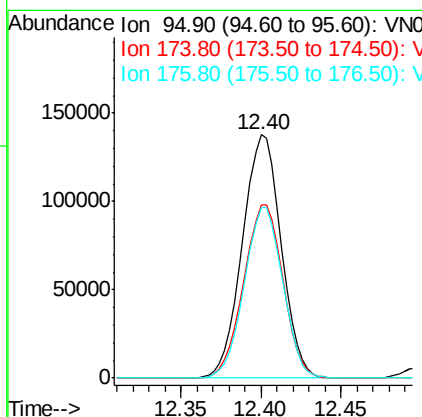
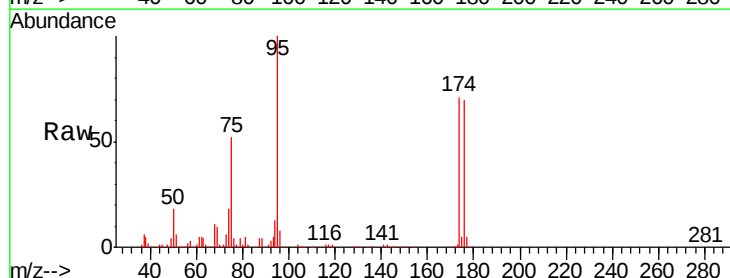
Manual Integrations
 APPROVED

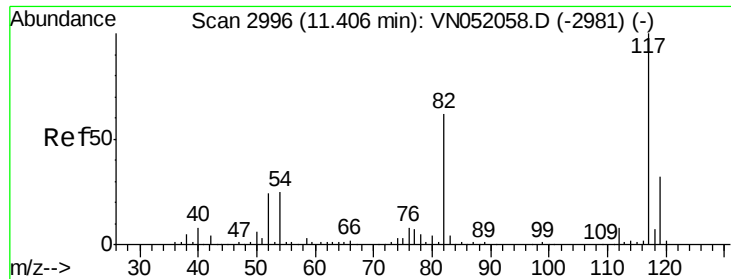
MMDadoda
 11/2/2018 1:11:12 PM



#62
 4-Bromofluorobenzene
 Concen: 18.66 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 95 Resp: 227822
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 131.8
 176 69.5 0.0 126.0





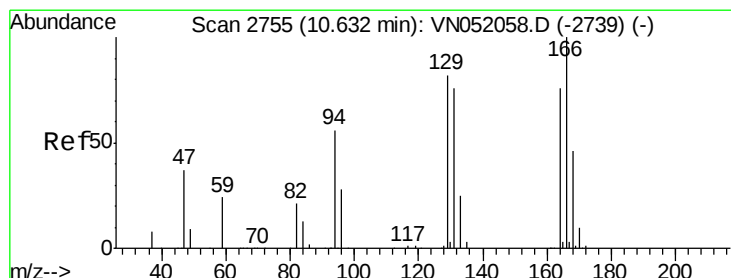
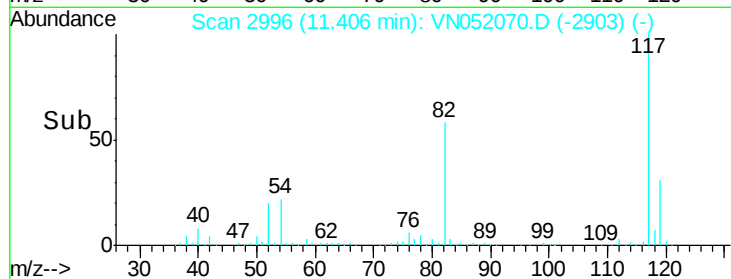
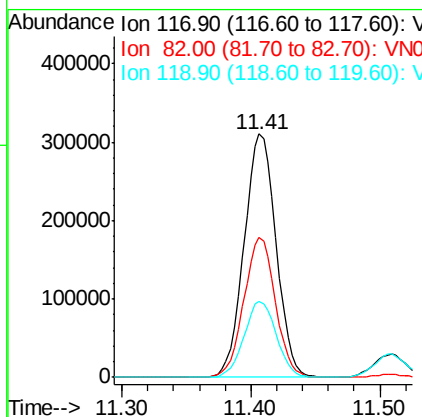
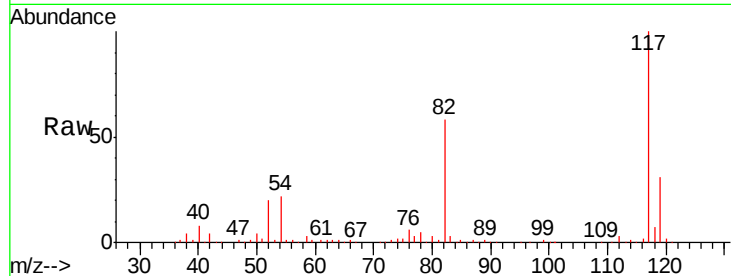
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	49.9	74.9
119	31.2	25.7	38.5

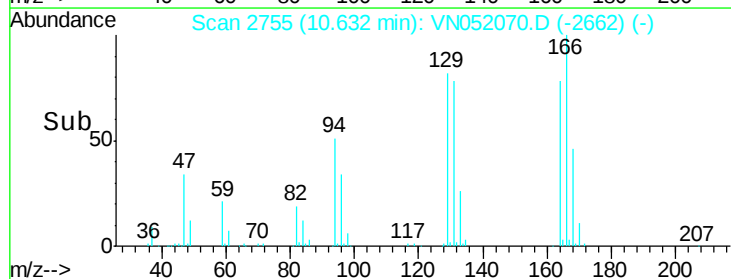
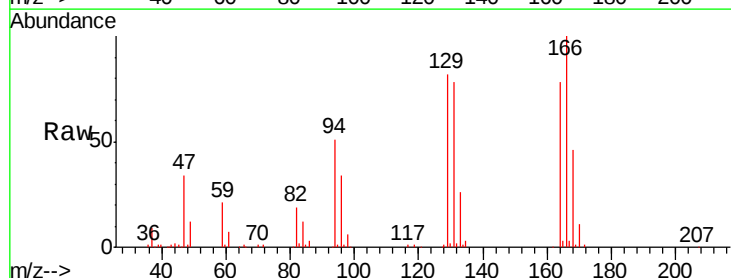
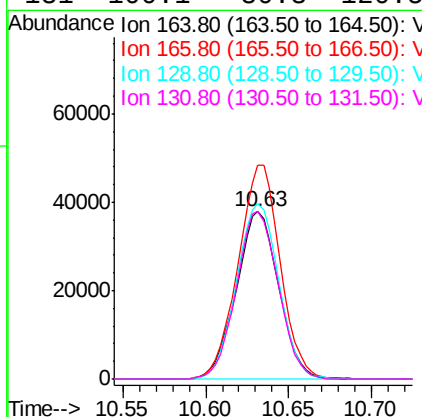
Manual Integrations
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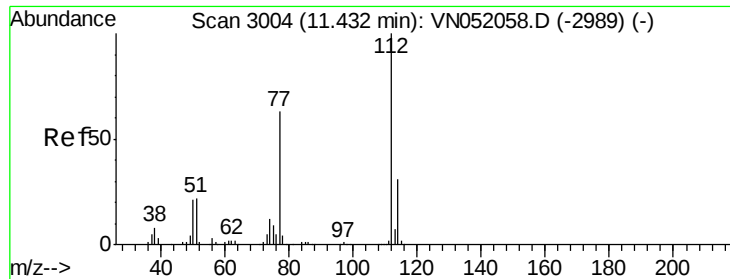
MMDadoda
11/2/2018 1:11:12 PM



#64
Tetrachloroethene
Concen: 20.80 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	105.4	158.0
129	104.8	86.1	129.1
131	100.1	80.3	120.5





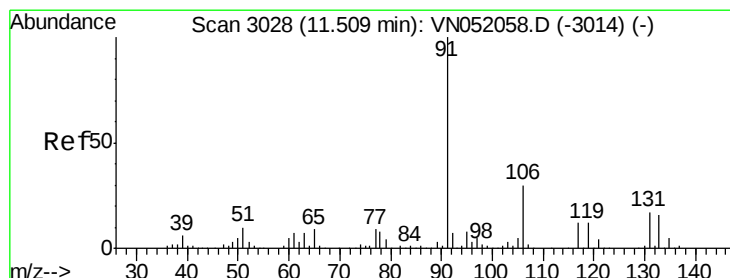
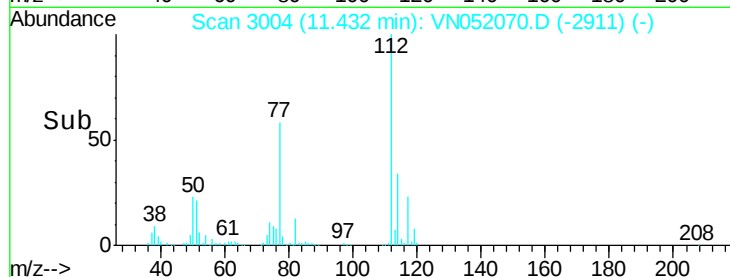
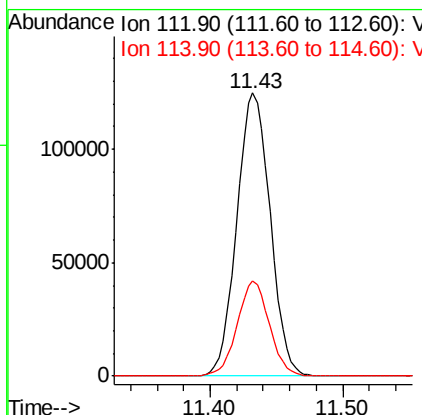
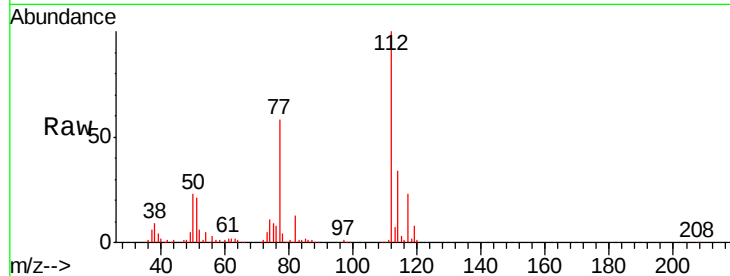
#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion:112 Resp: 217743
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7

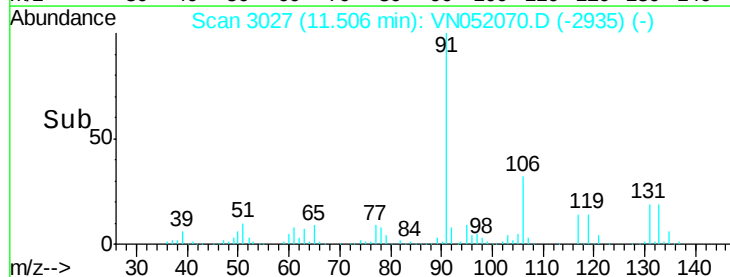
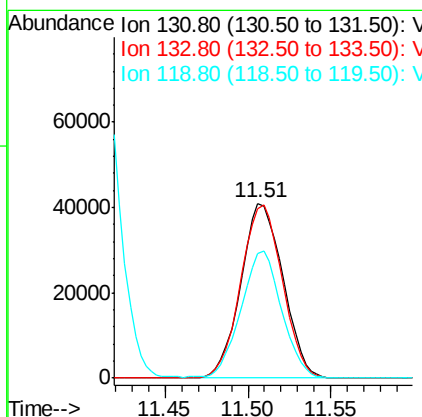
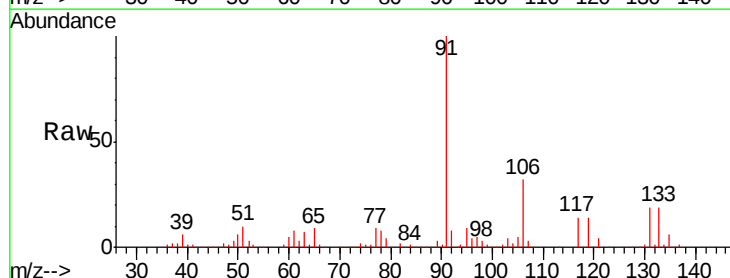
Manual Integrations
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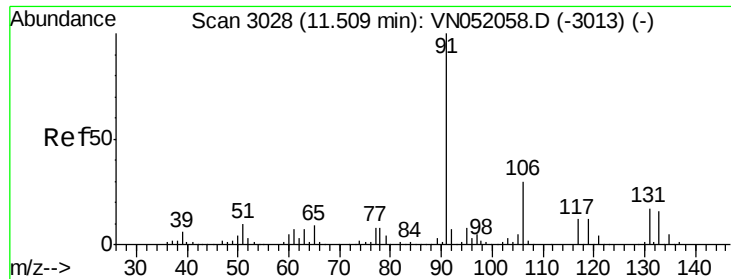
MMDadoda
11/2/2018 1:11:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.50 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:131 Resp: 72471
Ion Ratio Lower Upper
131 100
133 97.8 47.6 142.9
119 70.3 34.4 103.2





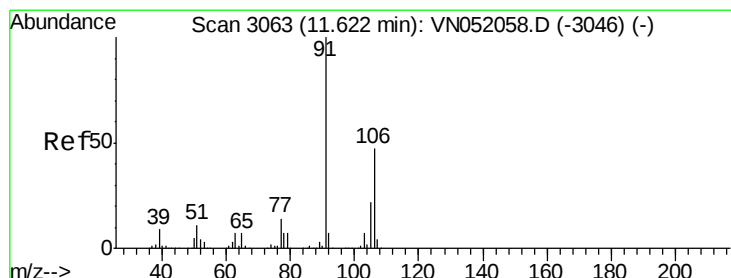
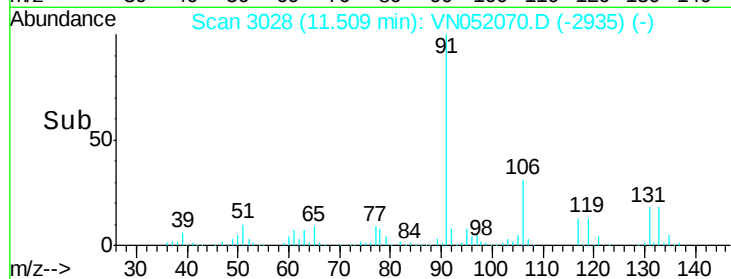
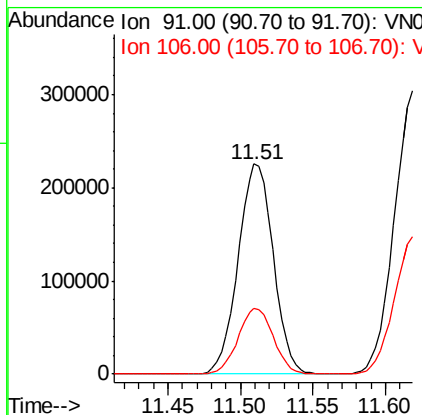
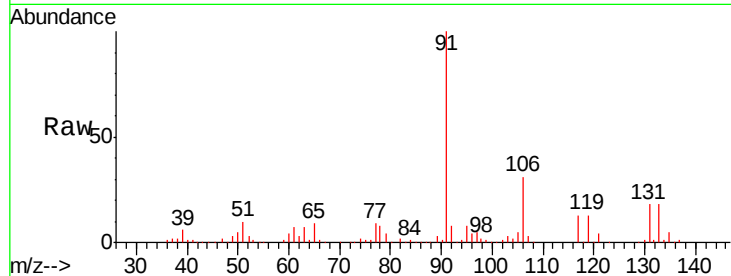
#67
Ethyl Benzene
Concen: 18.92 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampled :
VN1031WBSD01

Tgt Ion: 91 Resp: 379714
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1

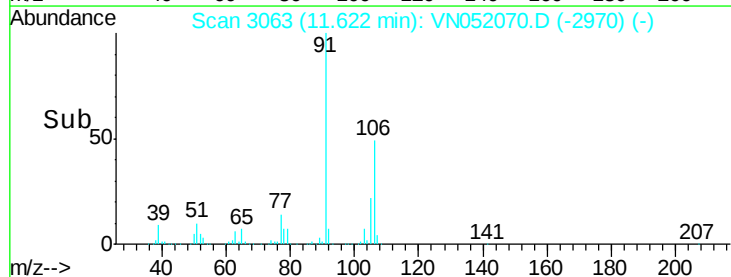
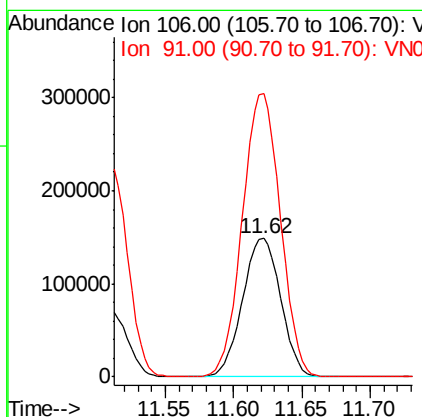
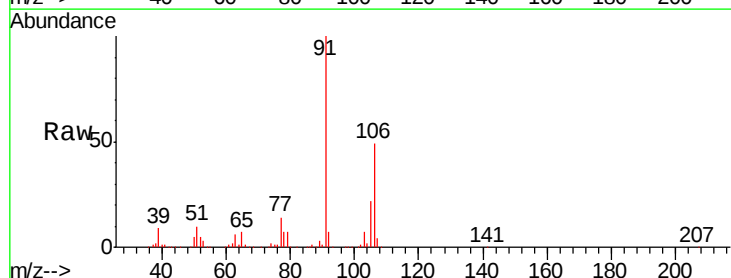
Manual Integrations
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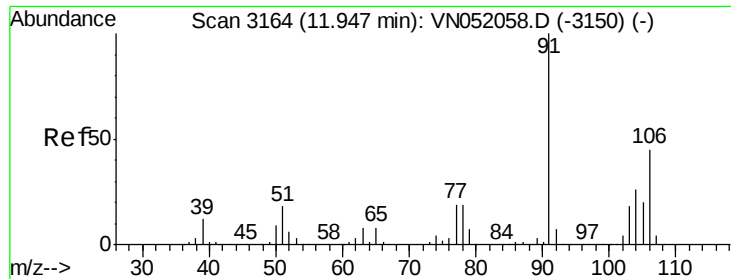
MMDadoda
11/2/2018 1:11:12 PM



#68
m/p-Xylenes
Concen: 40.25 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 106 Resp: 289212
Ion Ratio Lower Upper
106 100
91 204.3 168.7 253.1





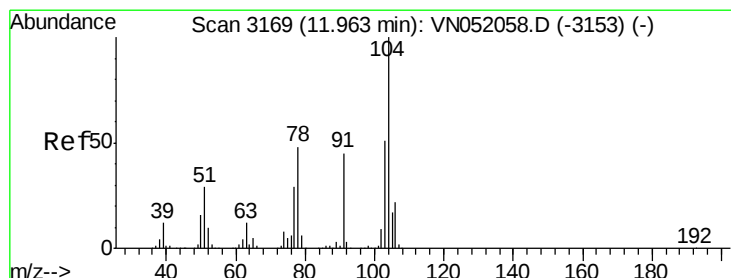
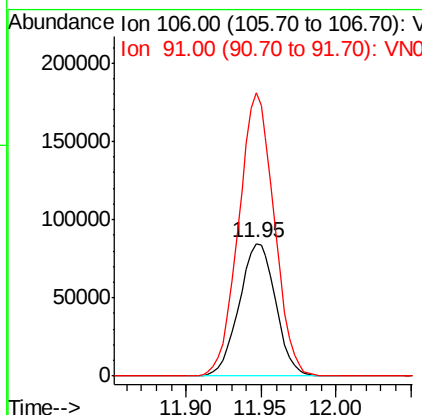
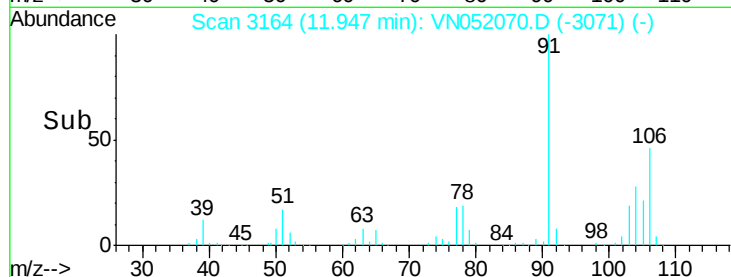
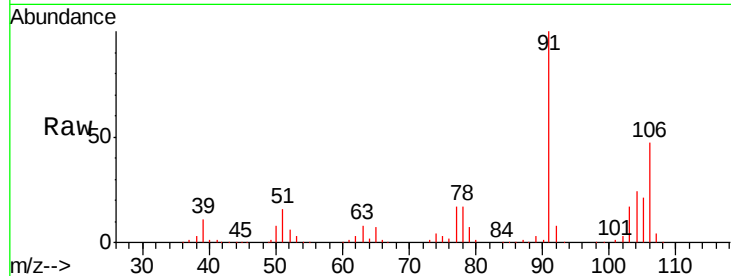
#69
o-Xylene
Concen: 20.18 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion:106 Resp: 143511
Ion Ratio Lower Upper
106 100
91 208.2 109.6 328.6

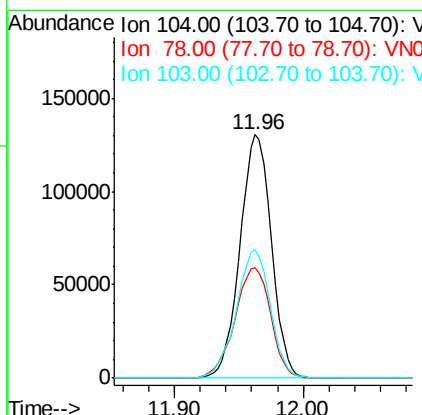
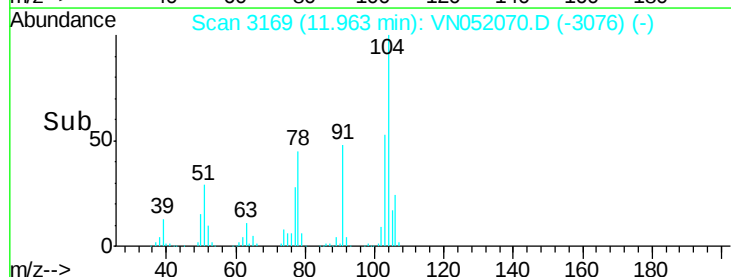
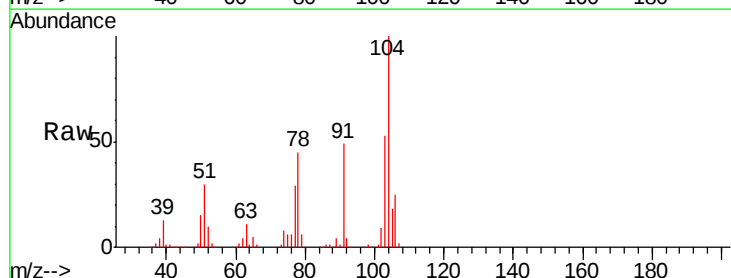
Manual Integrations
APPROVED

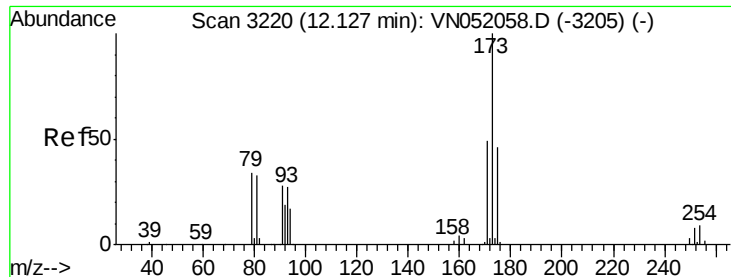
MMDadoda
11/2/2018 1:11:12 PM



#70
Styrene
Concen: 19.26 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:104 Resp: 221567
Ion Ratio Lower Upper
104 100
78 51.5 43.0 64.6
103 57.0 45.1 67.7





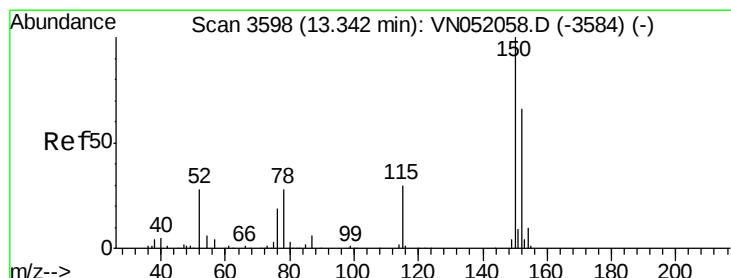
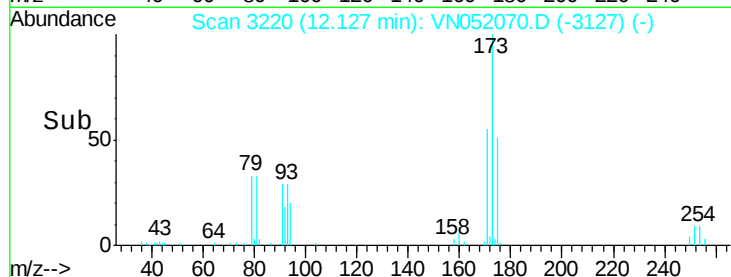
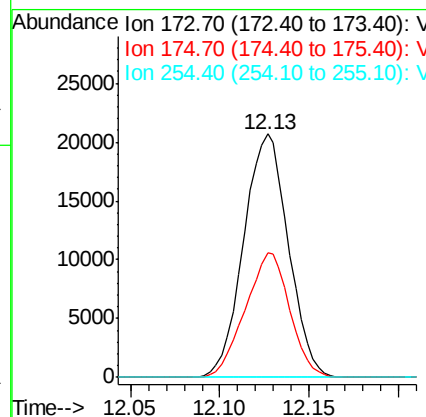
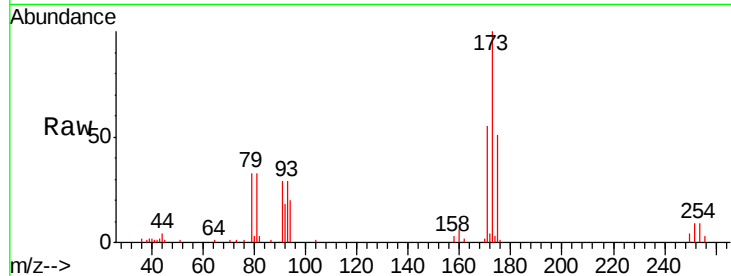
#71
Bromoform
Concen: 17.43 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.9	71.7
254	0.0	0.0	0.0

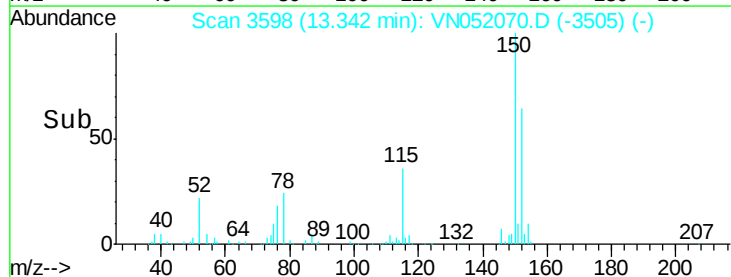
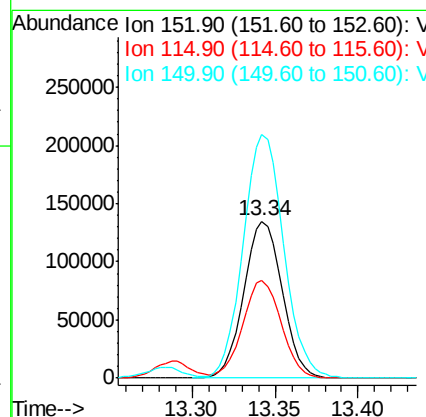
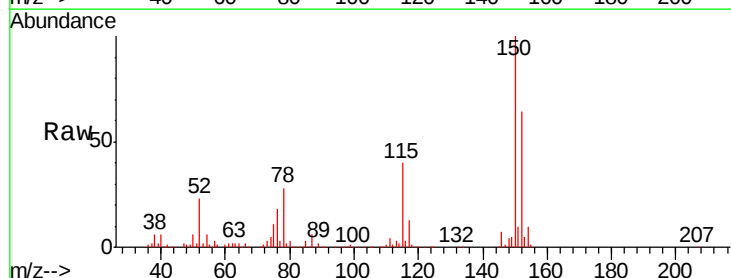
Manual Integrations
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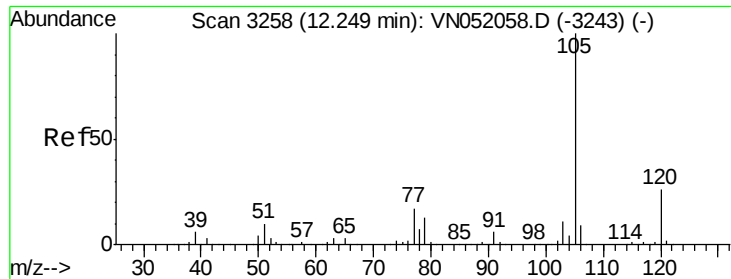
MMDadoda
11/2/2018 1:11:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.6	95.0
150	164.5	0.0	345.0





#73

Isopropylbenzene

Concen: 19.61 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 105 Resp: 364247

Ion Ratio Lower Upper

105 100

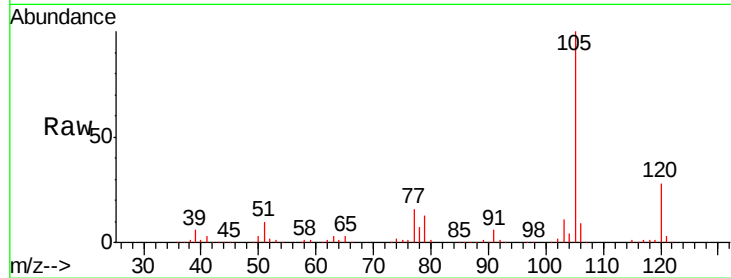
120 27.8 12.8 38.4

Manual Integrations

APPROVED

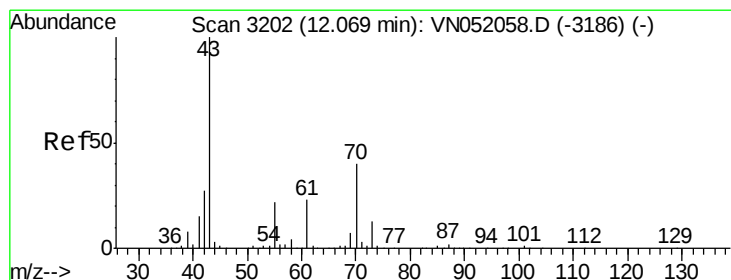
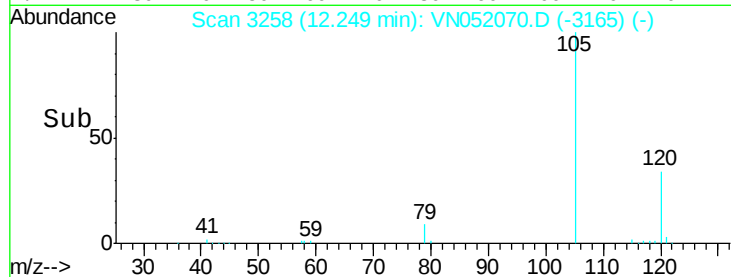
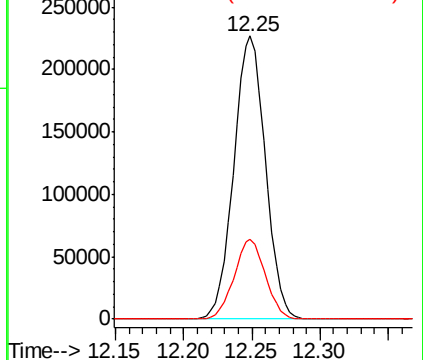
MMDadoda

11/2/2018 1:11:12 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.56 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion: 43 Resp: 100833

Ion Ratio Lower Upper

43 100

70 41.3 31.9 47.9

55 22.7 18.4 27.6

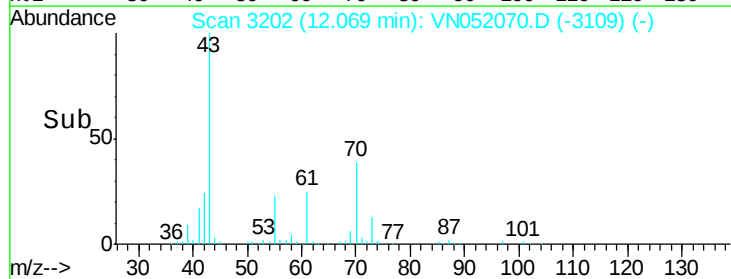
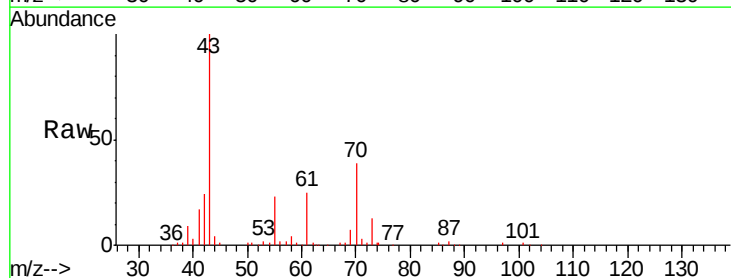
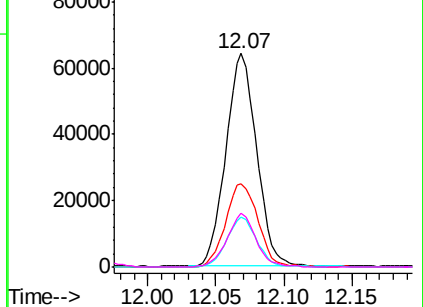
61 23.6 18.2 27.4

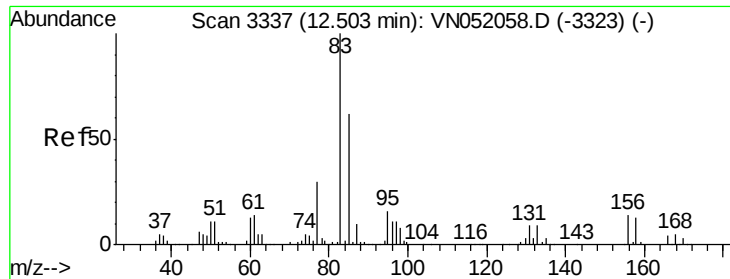
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.32 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

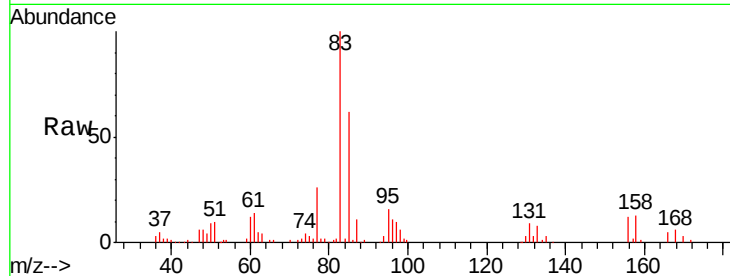
ClientSampleId :

VN1031WBSD01

Tgt Ion:	83	Resp:	81560
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.5	13.4
85	61.9	31.3	93.9

Manual Integrations
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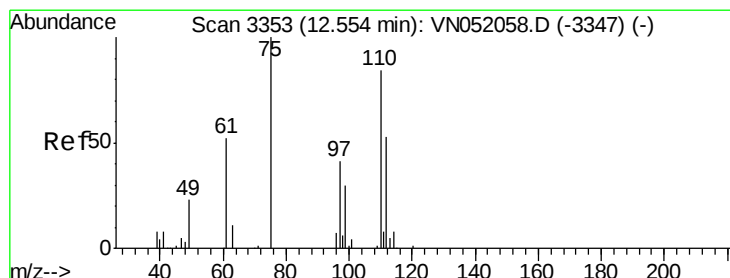
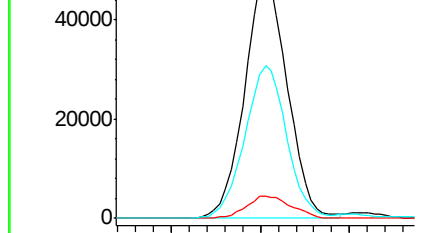
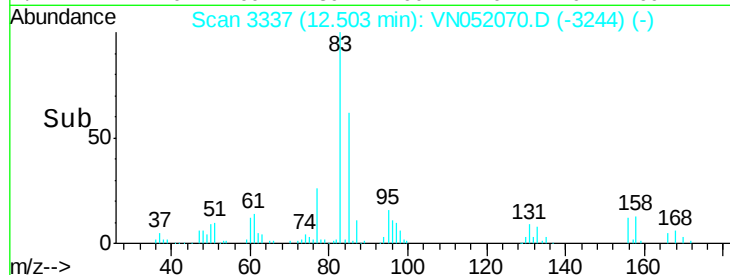


Abundance Ion 82.90 (82.60 to 83.60): VN052070.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052070.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052070.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.27 ug/l m

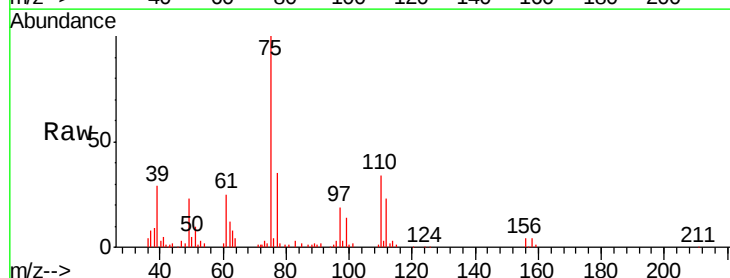
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

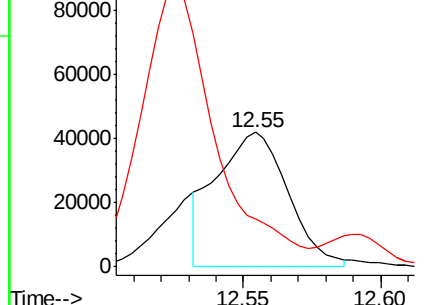
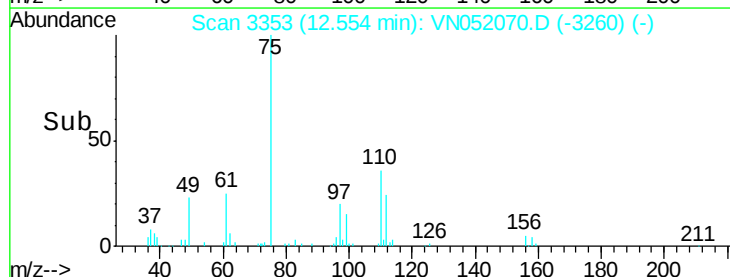
Tgt Ion:	75	Resp:	76598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

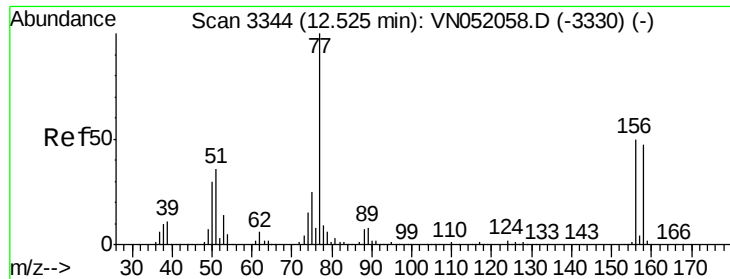


Abundance Ion 74.90 (74.60 to 75.60): VN052070.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052070.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.79 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

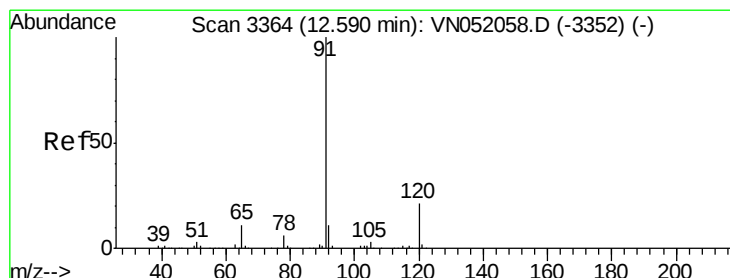
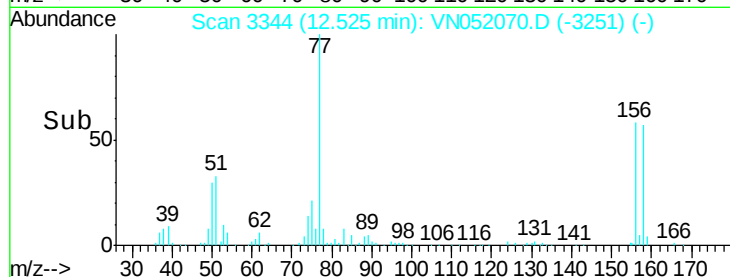
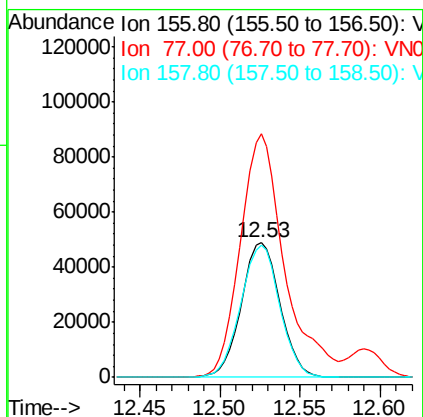
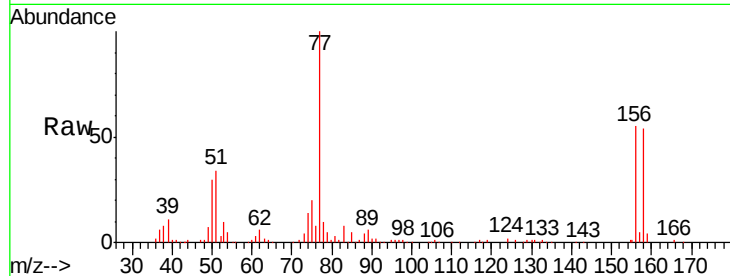
ClientSampleId :

VN1031WBSD01

Tgt Ion:	156	Resp:	80784
Ion Ratio	Lower	Upper	
156	100		
77	206.9	119.6	358.6
158	98.6	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.71 ug/l

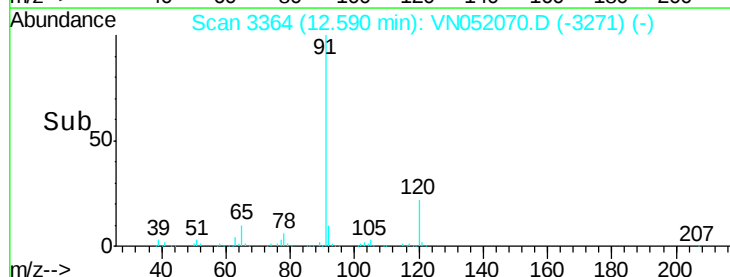
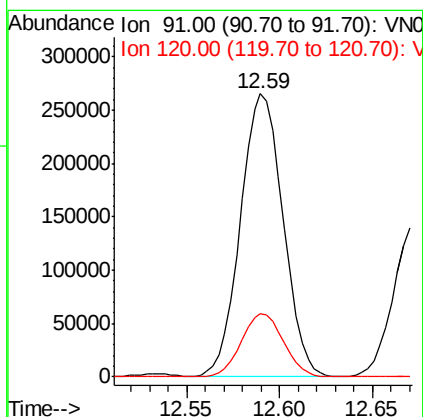
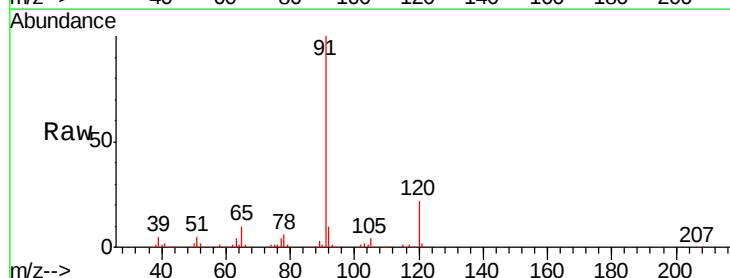
RT: 12.59 min Scan# 3364

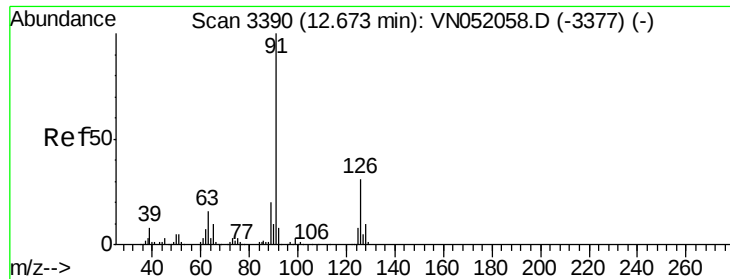
Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	91	Resp:	421110
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.8	32.4





#79

2-Chlorotoluene

Concen: 18.48 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 91 Resp: 242352

Ion Ratio Lower Upper

91 100

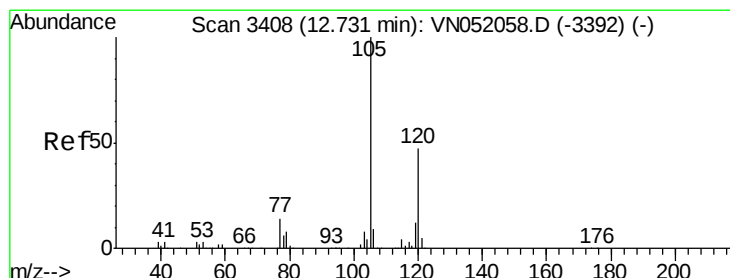
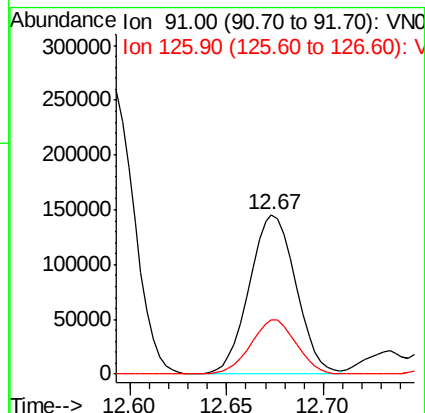
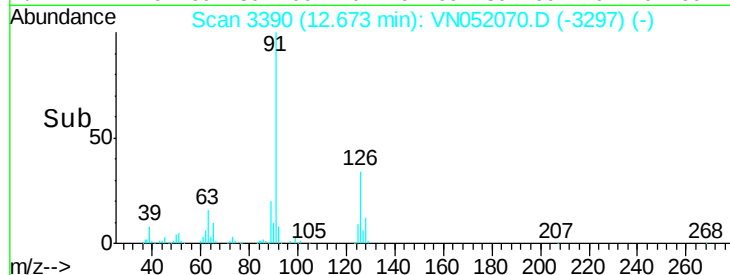
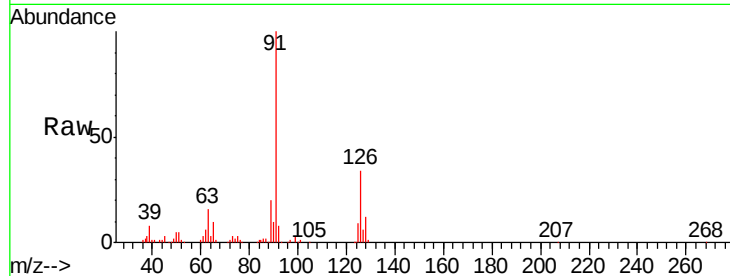
126 33.5 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052070.D

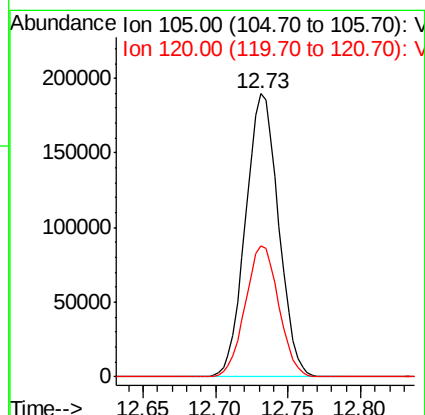
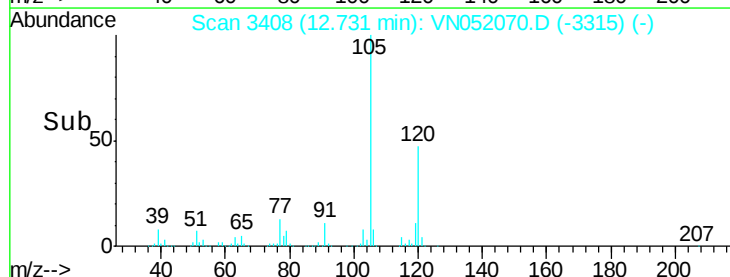
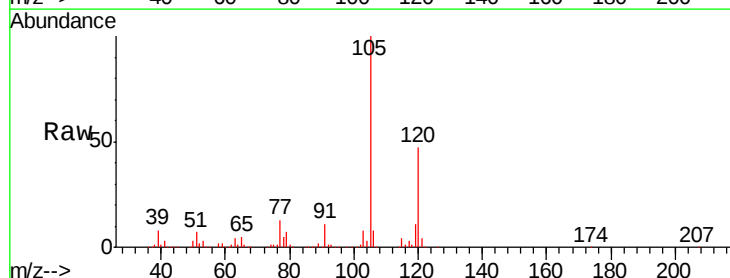
Acq: 31 Oct 2018 13:38

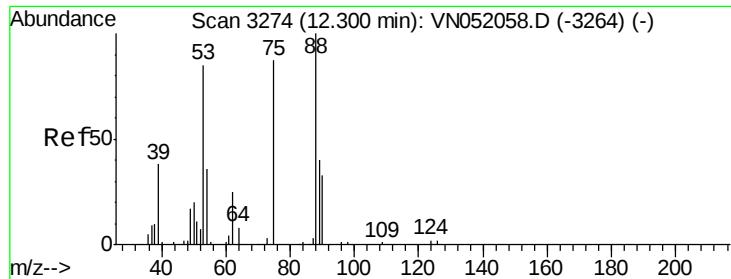
Tgt Ion: 105 Resp: 300799

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

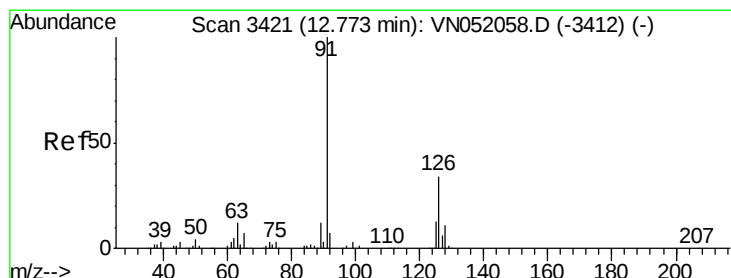
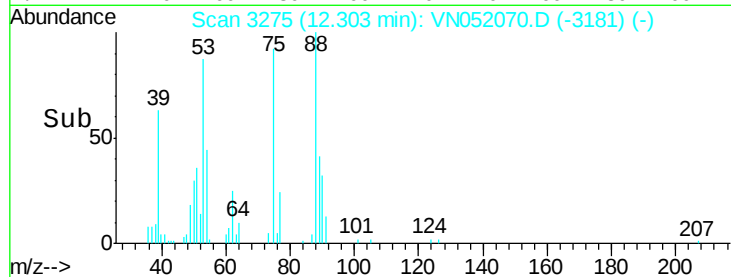
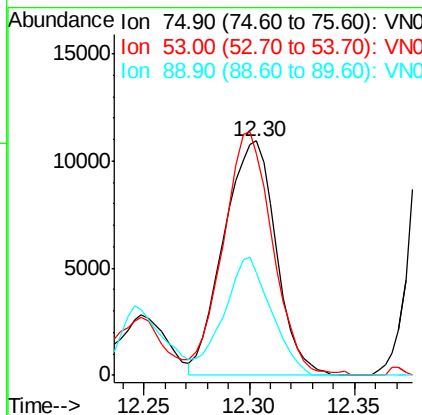
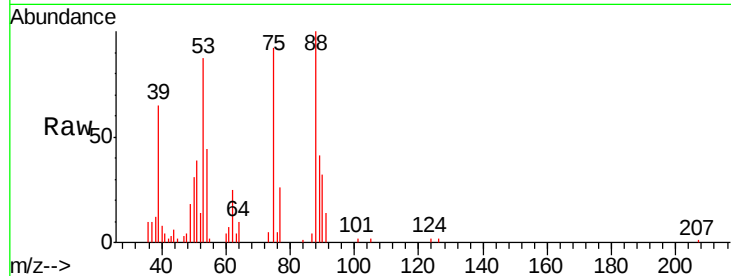
ClientSampled :

VN1031WBSD01

Tgt Ion:	75	Resp:	18783
Ion	Ratio	Lower	Upper
75	100		
53	99.3	81.8	122.6
89	46.2	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.64 ug/l

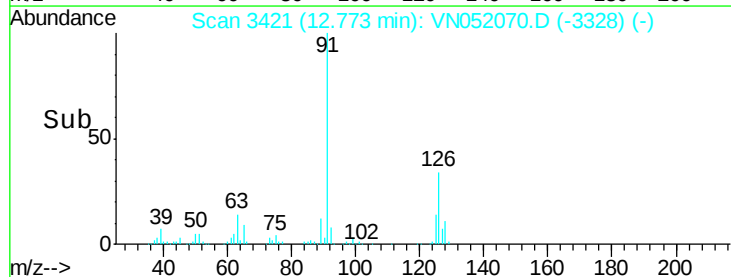
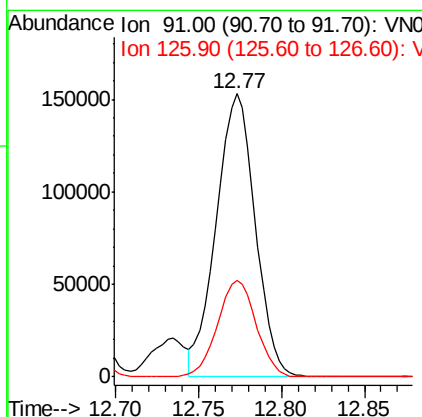
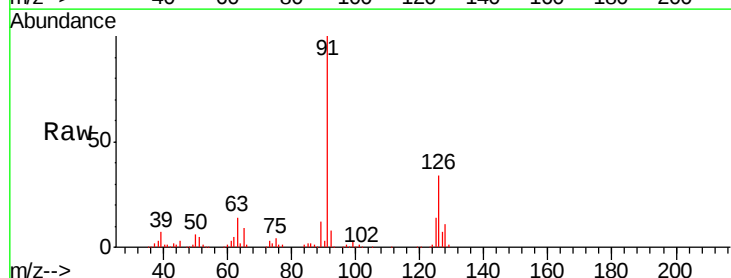
RT: 12.77 min Scan# 3421

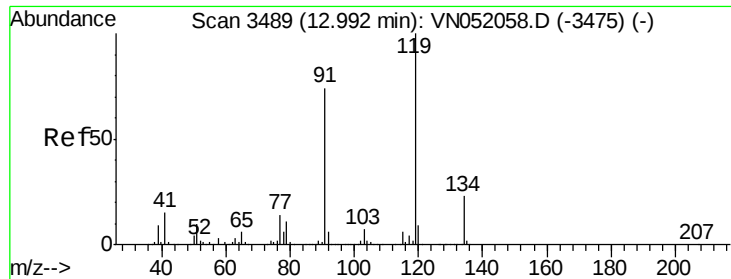
Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	91	Resp:	249278
Ion	Ratio	Lower	Upper
91	100		
126	34.0	15.7	47.1





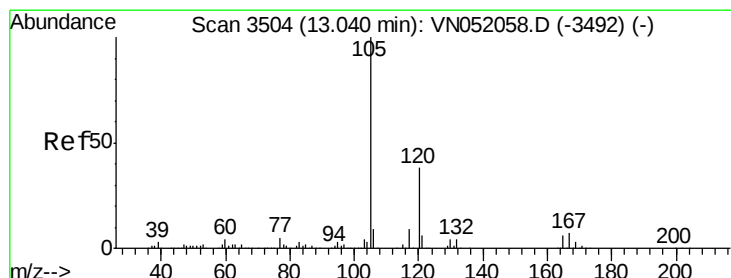
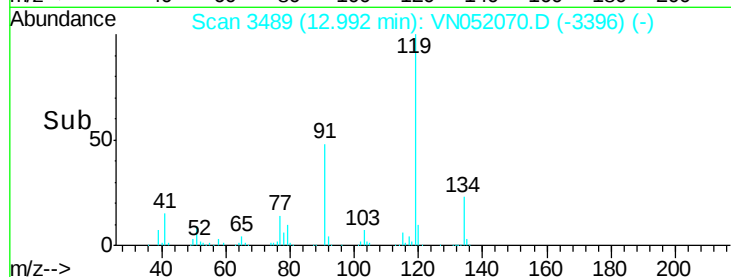
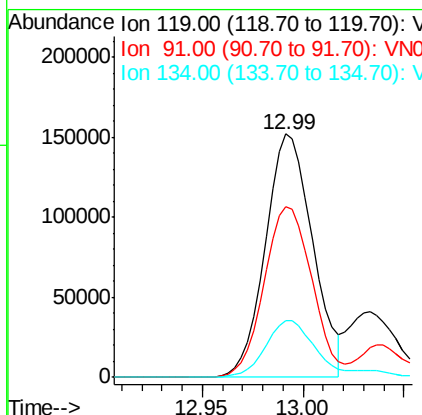
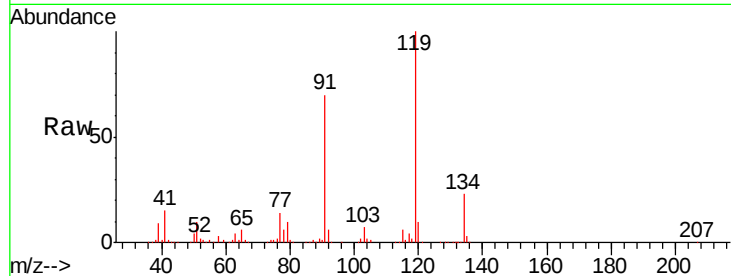
#83
 tert-Butylbenzene
 Concen: 19.54 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.7	36.6	109.9
134	24.3	12.5	37.5

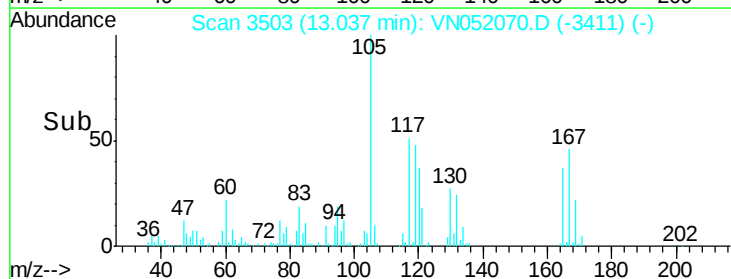
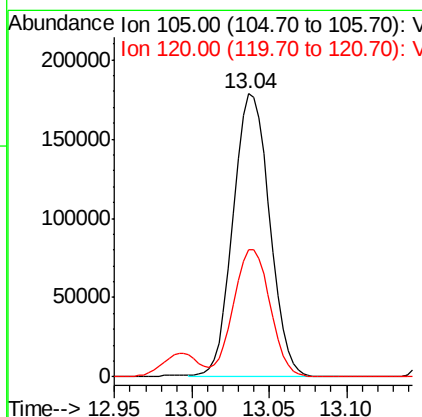
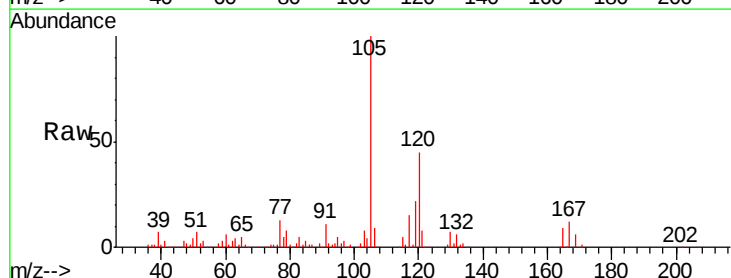
Manual Integrations
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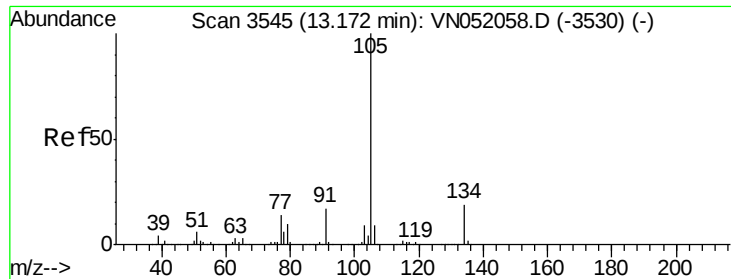
MMDadoda
 11/2/2018 1:11:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.52 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.9	65.5





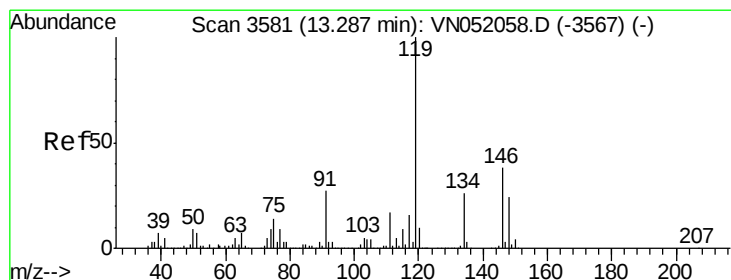
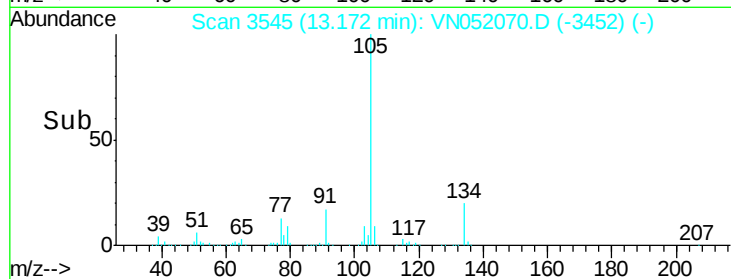
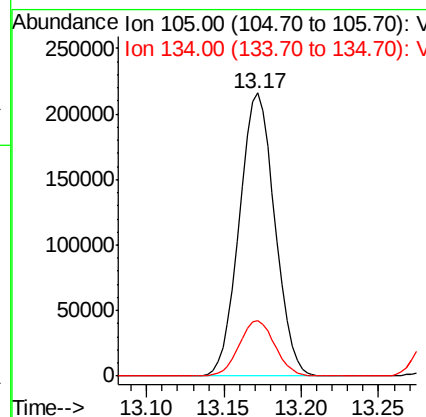
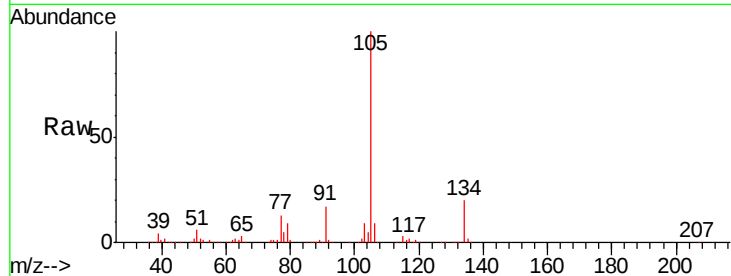
#85
 sec-Butylbenzene
 Concen: 18.92 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.1	27.3

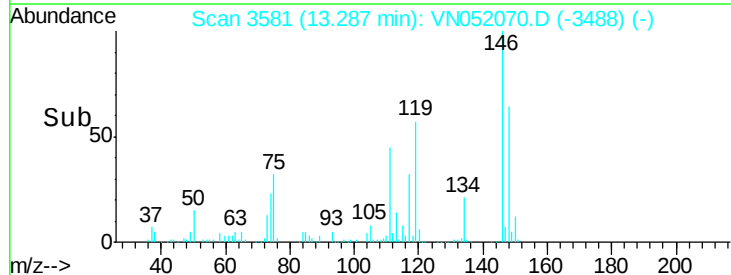
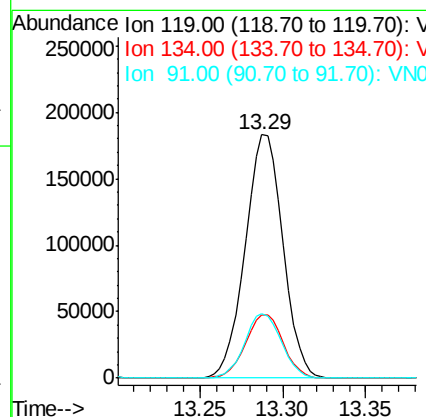
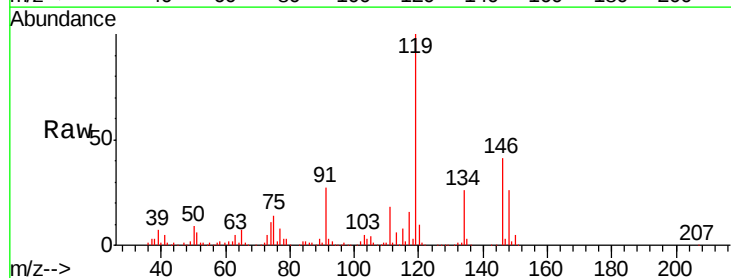
Manual Integrations
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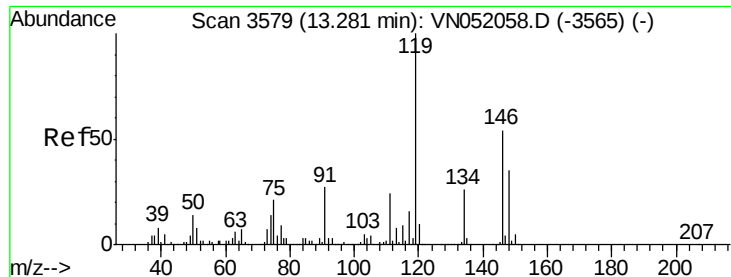
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#86
 p-Isopropyltoluene
 Concen: 19.57 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.3
91	26.2	13.4	40.2





#87

1,3-Dichlorobenzene

Concen: 19.73 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

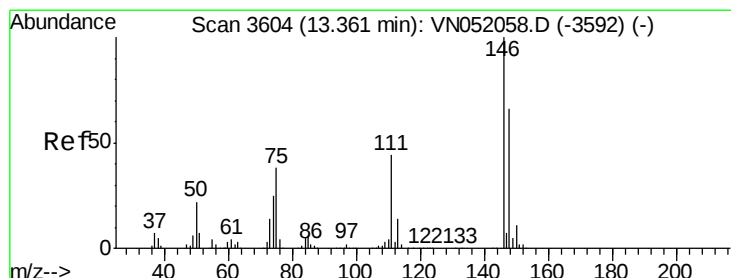
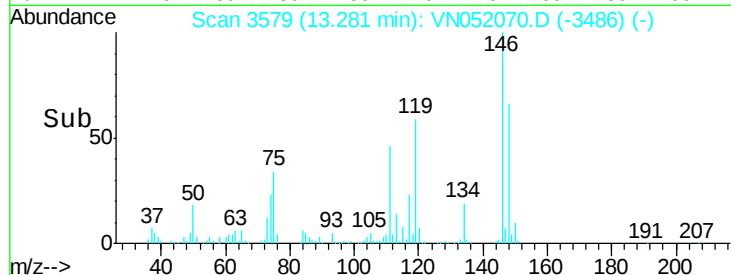
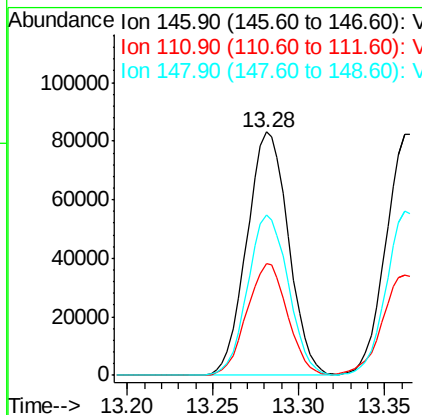
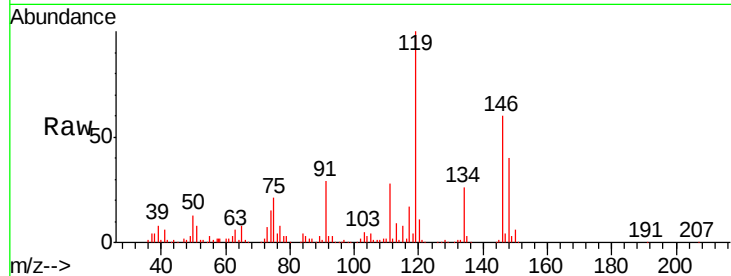
ClientSampleId :

VN1031WBSD01

Tgt Ion:	146	Resp:	139811
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.9	68.8
148	64.2	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.03 ug/l

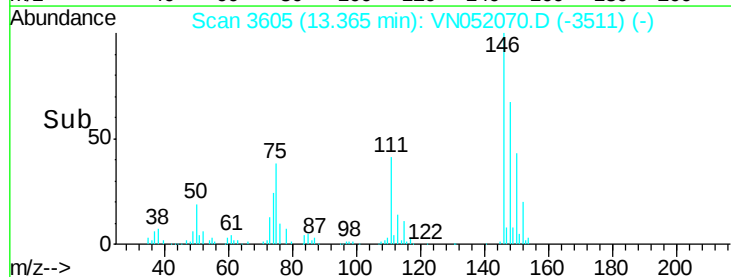
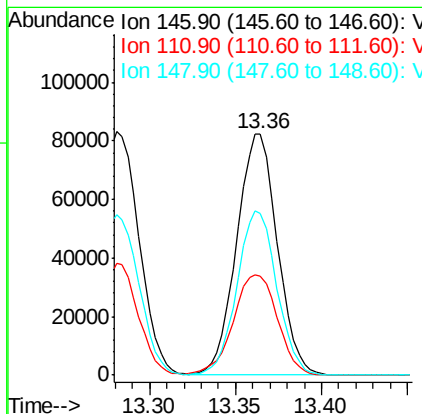
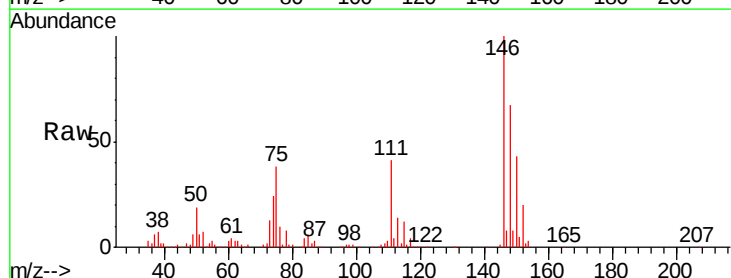
RT: 13.36 min Scan# 3605

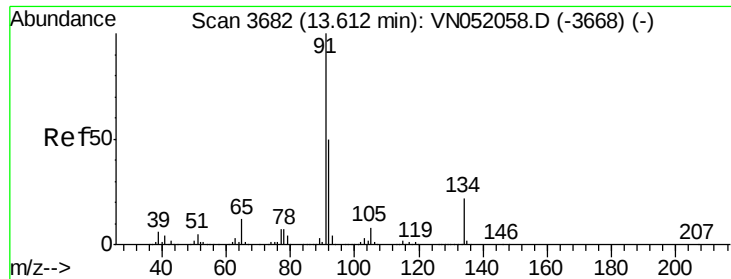
Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	146	Resp:	135135
Ion Ratio	Lower	Upper	
146	100		
111	45.3	21.9	65.8
148	66.7	32.6	98.0





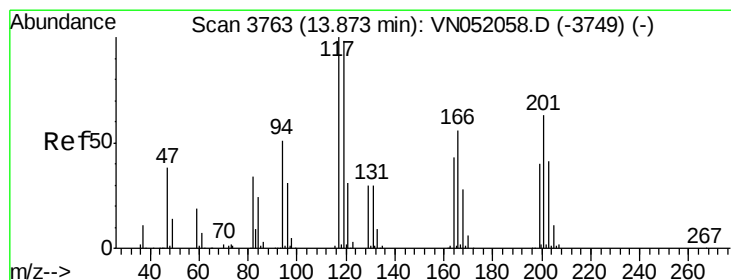
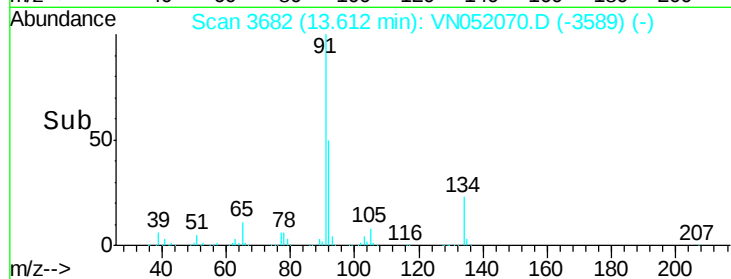
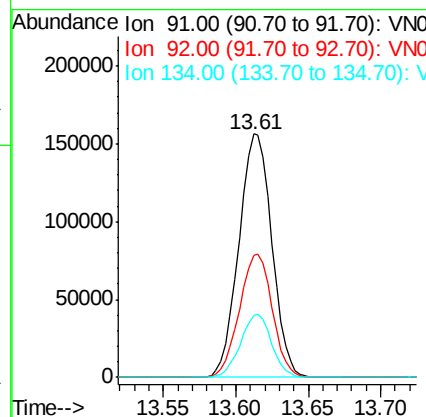
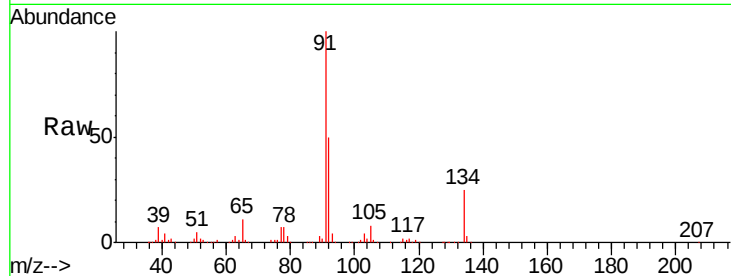
#89
n-Butylbenzene
Concen: 17.53 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.3	75.8
134	24.4	11.2	33.5

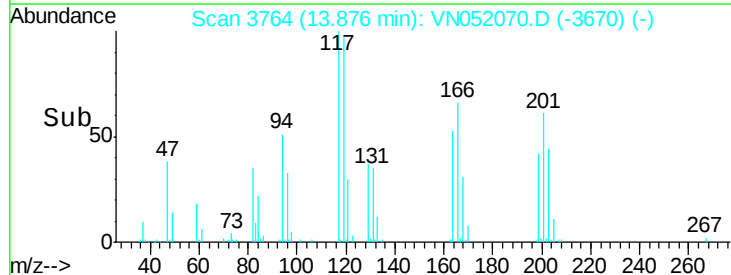
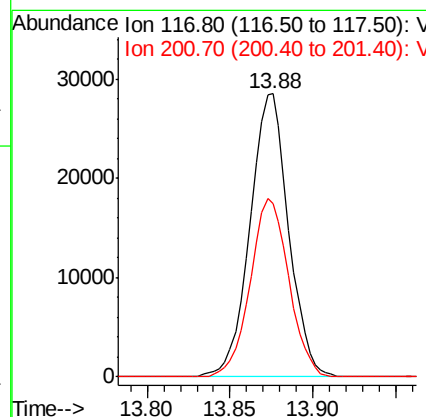
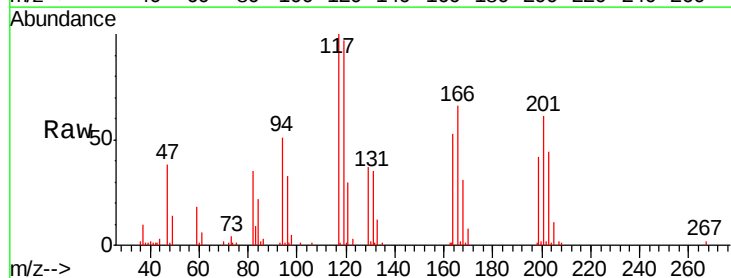
Manual Integrations
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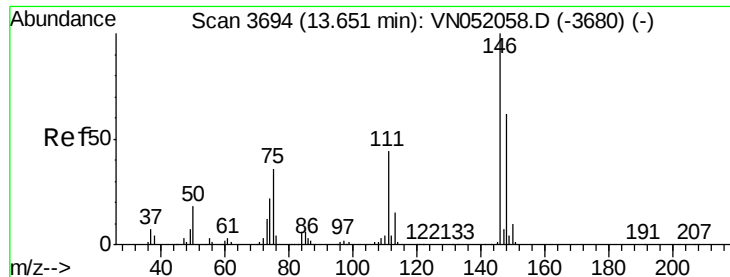
MMDadoda
11/2/2018 1:11:12 PM



#90
Hexachloroethane
Concen: 18.20 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.1	93.5





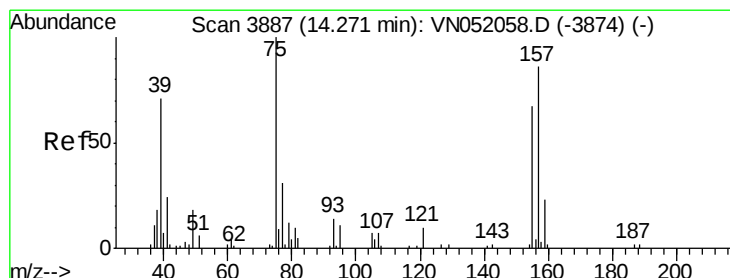
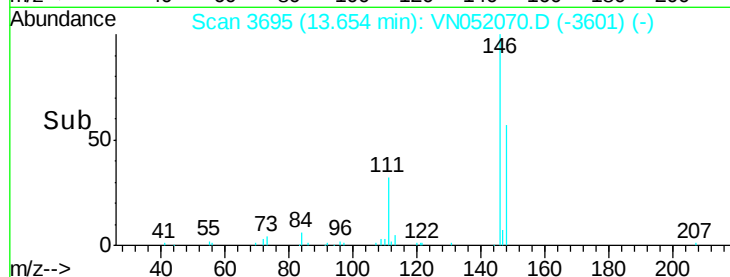
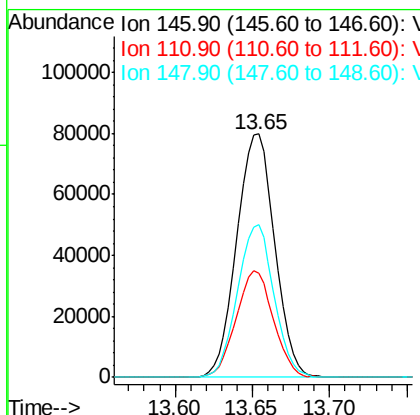
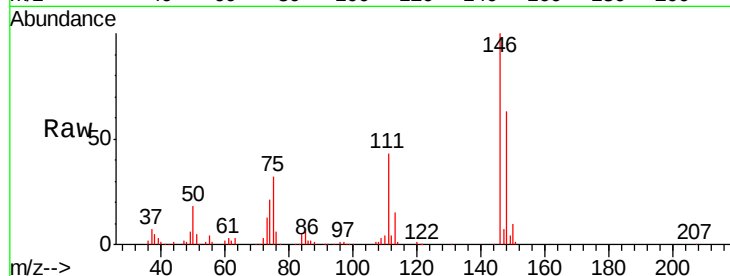
#91
 1,2-Dichlorobenzene
 Concen: 20.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.5	67.5
148	60.1	30.9	92.8

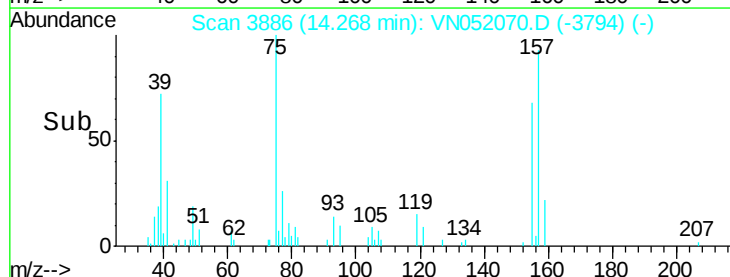
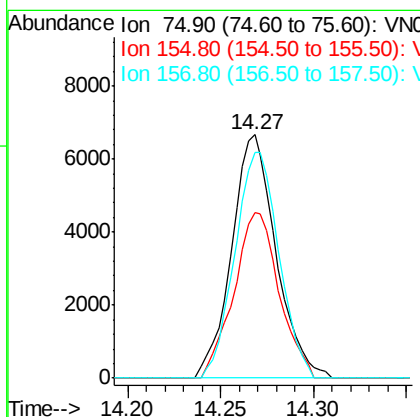
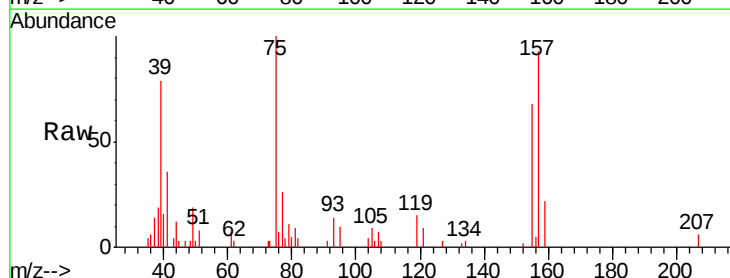
Manual Integrations
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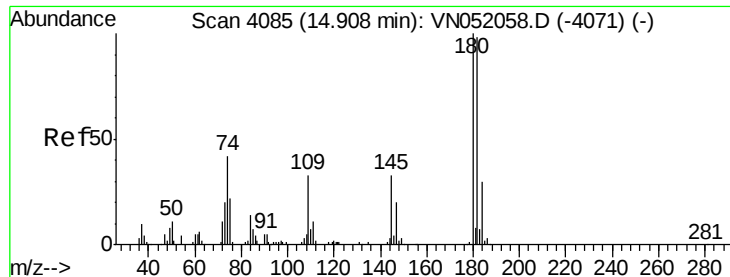
MMDadoda
 11/2/2018 1:11:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.85 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	34.0	102.0
157	91.9	42.1	126.4





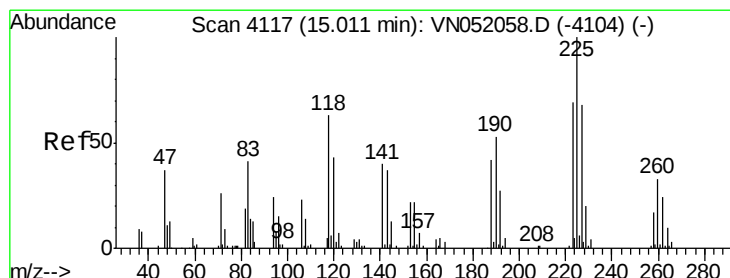
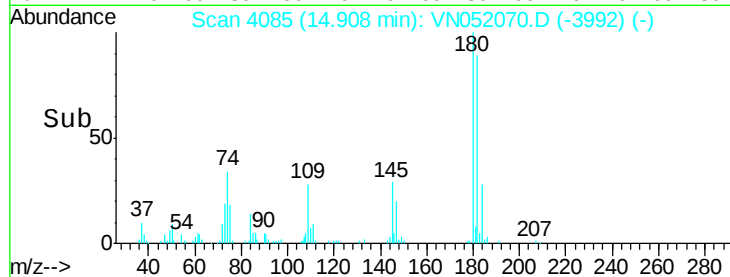
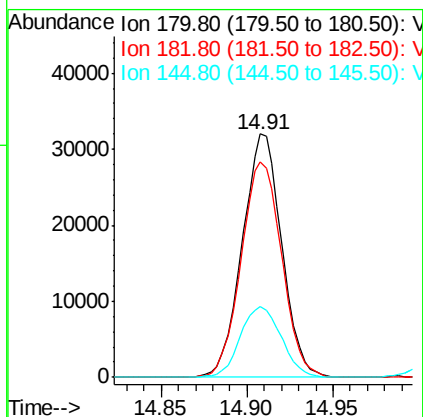
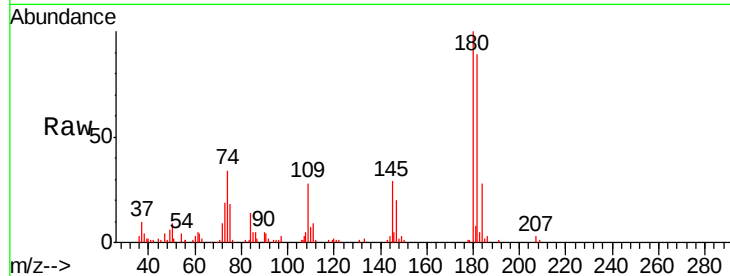
#93
 1,2,4-Trichlorobenzene
 Concen: 20.50 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	49.1	147.4
145	30.3	16.4	49.2

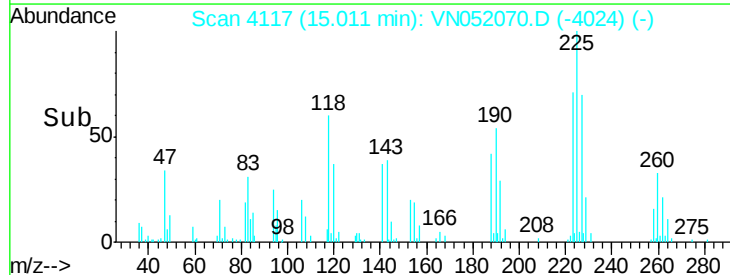
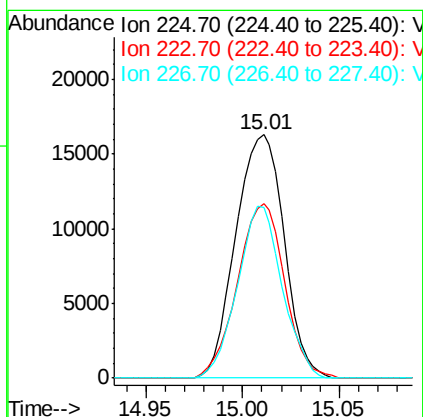
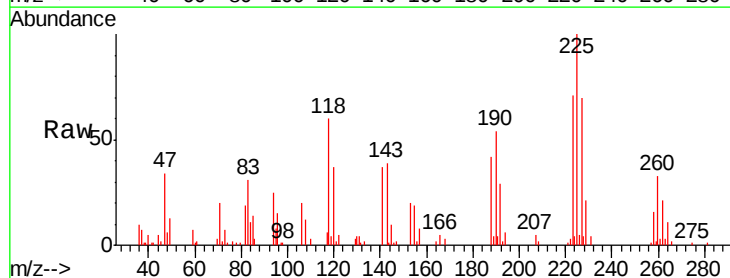
Manual Integrations
 APPROVED

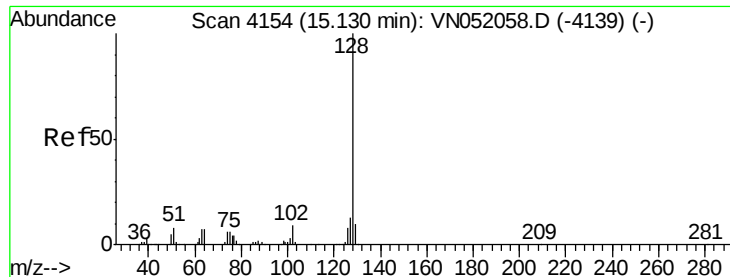
MMDadoda
 11/2/2018 1:11:12 PM



#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	33.1	99.3
227	65.4	32.6	97.8





#95

Naphthalene

Concen: 17.86 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

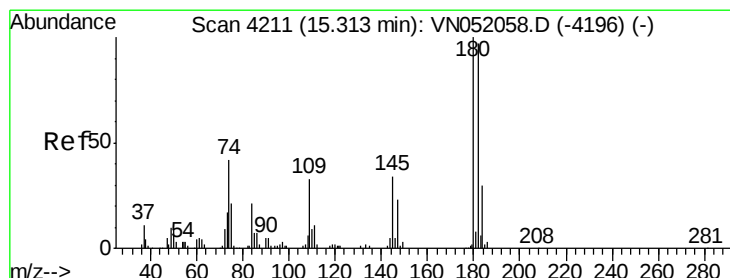
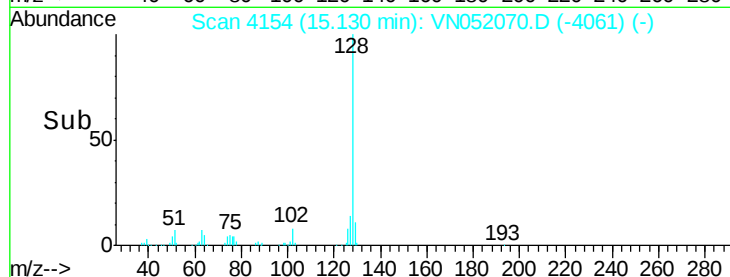
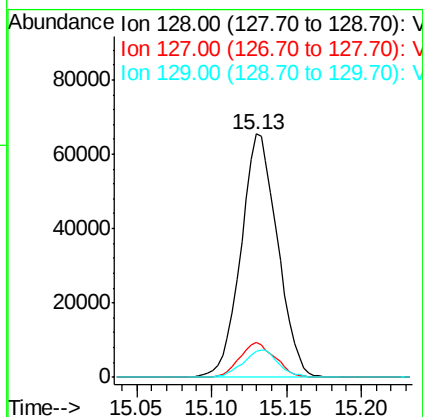
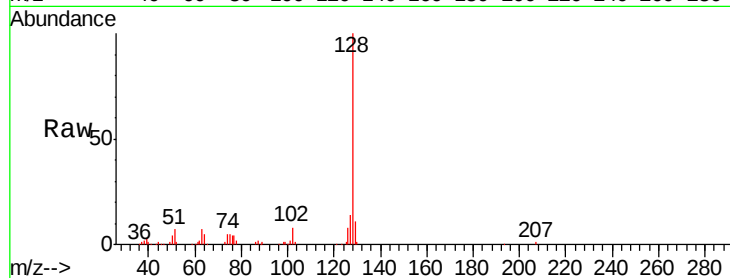
ClientSampleId :

VN1031WBSD01

Tgt Ion:	128	Resp:	111151
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 1:11:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.48 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion:	180	Resp:	43842
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.2	141.6
145	32.1	16.6	49.7

