

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052750.D
 Acq On : 10 Dec 2018 13:50
 Operator : MD\SY
 Sample : VN1210WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:55 PM

Quant Time: Dec 11 02:28:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	963496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1501598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542538	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	411480	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	
50) Toluene-d8	10.09	98	1858313	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	642133	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	150214	16.651	ug/l	98
3) Chloromethane	2.06	50	195573	16.423	ug/l	100
4) Vinyl Chloride	2.19	62	206676	16.895	ug/l	98
5) Bromomethane	2.58	94	116638	15.281	ug/l	99
6) Chloroethane	2.71	64	128122	17.291	ug/l	98
7) Trichlorofluoromethane	3.03	101	279374	18.592	ug/l	97
8) Diethyl Ether	3.41	74	110308	19.879	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	175368	18.703	ug/l	97
10) Methyl Iodide	3.96	142	192655	15.427	ug/l	99
11) Tert butyl alcohol	4.78	59	57297	109.097	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	166100	18.404	ug/l	98
13) Acrolein	3.61	56	16868	18.480	ug/l	96
14) Allyl chloride	4.33	41	288447	18.543	ug/l	97
15) Acrylonitrile	4.99	53	334465	100.605	ug/l	100
16) Acetone	3.82	43	241519	87.285	ug/l	98
17) Carbon Disulfide	4.06	76	430361	15.152	ug/l	99
18) Methyl Acetate	4.33	43	169386	21.341	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	497178	20.704	ug/l	98
20) Methylene Chloride	4.55	84	200740	18.539	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	178314	18.499	ug/l	94
22) Diisopropyl ether	5.95	45	633654	19.393	ug/l	98
23) Vinyl Acetate	5.90	43	1856874	91.240	ug/l	99
24) 1,1-Dichloroethane	5.85	63	356463	19.107	ug/l	99
25) 2-Butanone	6.83	43	378887	96.606	ug/l	99
26) 2,2-Dichloropropane	6.83	77	257573	19.947	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	215585	19.200	ug/l	99
28) Bromochloromethane	7.19	49	160386	18.822	ug/l	95
29) Tetrahydrofuran	7.21	42	249782	98.741	ug/l	98
30) Chloroform	7.37	83	353171	18.974	ug/l	99
31) Cyclohexane	7.66	56	317404	17.339	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	288717	19.578	ug/l	99
36) 1,1-Dichloropropene	7.79	75	261793	18.462	ug/l	98
37) Ethyl Acetate	6.93	43	166278	19.214	ug/l	99
38) Carbon Tetrachloride	7.78	117	247142	19.253	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	304163	17.648	ug/l	98
40) Benzene	8.04	78	806068	19.074	ug/l	98
41) Methacrylonitrile	7.17	41	89800	18.980	ug/l	93
42) 1,2-Dichloroethane	8.13	62	249513	19.500	ug/l	99
43) Isopropyl Acetate	8.16	43	319678	21.828	ug/l	97
44) Trichloroethene	8.84	130	217813	20.122	ug/l	98
45) 1,2-Dichloropropane	9.12	63	221825	19.744	ug/l	99
46) Dibromomethane	9.21	93	126234	20.296	ug/l	97
47) Bromodichloromethane	9.40	83	270565	20.009	ug/l	99
48) Methyl methacrylate	9.20	41	152046	19.911	ug/l	97
49) 1,4-Dioxane	9.20	88	33959	428.491	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	866389	105.439	ug/l	99
52) Toluene	10.16	92	494493	19.695	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	258079	19.839	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	307151	19.702	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	184342	20.873	ug/l	99
56) Ethyl methacrylate	10.43	69	238561	21.098	ug/l	97
57) 1,3-Dichloropropane	10.71	76	313760	20.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	659685	102.937	ug/l	98
59) 2-Hexanone	10.75	43	578375	104.877	ug/l	99
60) Dibromochloromethane	10.90	129	197721	20.613	ug/l	100
61) 1,2-Dibromoethane	11.01	107	178436	20.342	ug/l	99
64) Tetrachloroethene	10.63	164	230914	22.491	ug/l	97
65) Chlorobenzene	11.43	112	545166	19.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195959	20.640	ug/l	99
67) Ethyl Benzene	11.51	91	937275	19.601	ug/l	100
68) m/p-Xylenes	11.62	106	707722	39.758	ug/l	100
69) o-Xylene	11.95	106	348462	20.158	ug/l	99
70) Styrene	11.96	104	566314	20.569	ug/l	99
71) Bromoform	12.13	173	131204	20.871	ug/l #	100
73) Isopropylbenzene	12.25	105	933379	19.289	ug/l	100
74) N-amyl acetate	12.07	43	260490	21.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	210890	19.158	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	182037m	19.140	ug/l	
77) Bromobenzene	12.53	156	236658	19.786	ug/l	98
78) n-propylbenzene	12.59	91	1060616	19.293	ug/l	99
79) 2-Chlorotoluene	12.68	91	625758	19.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	751195	19.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55999	19.662	ug/l	99
82) 4-Chlorotoluene	12.77	91	633765	19.209	ug/l	98
83) tert-Butylbenzene	12.99	119	669511	19.459	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	764940	19.778	ug/l	100
85) sec-Butylbenzene	13.17	105	910119	19.421	ug/l	99
86) p-Isopropyltoluene	13.29	119	780310	19.550	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	415331	19.852	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	409561	19.874	ug/l	99
89) n-Butylbenzene	13.62	91	650190	19.587	ug/l	100
90) Hexachloroethane	13.88	117	127543	18.872	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	402031	20.113	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33408	21.220	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223526	22.088	ug/l	100
94) Hexachlorobutadiene	15.01	225	126001	19.594	ug/l	99
95) Naphthalene	15.13	128	483436	22.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	208366	22.295	ug/l	100

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

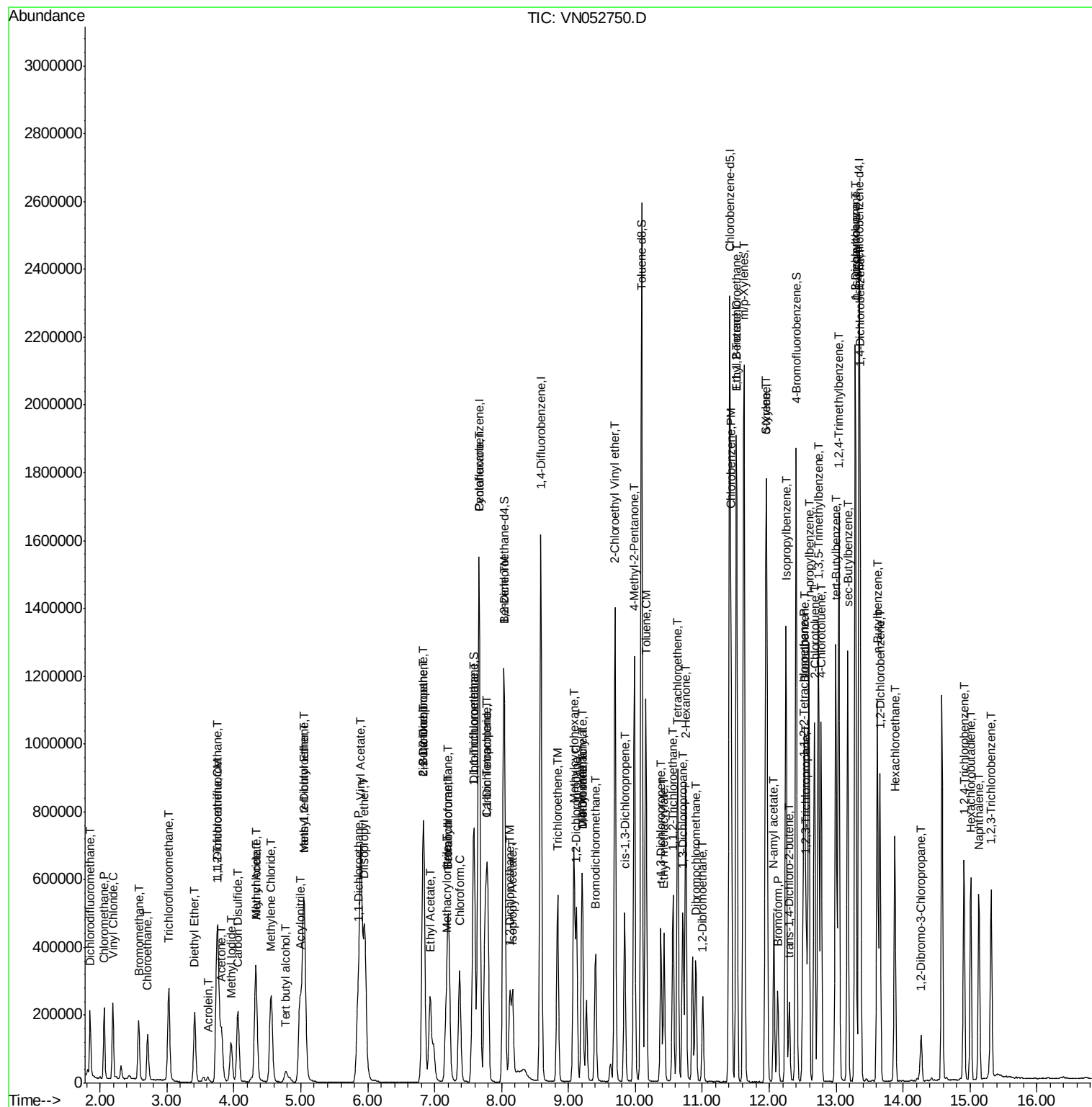
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052750.D
Acq On : 10 Dec 2018 13:50
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Sample : VN1210WBSD02
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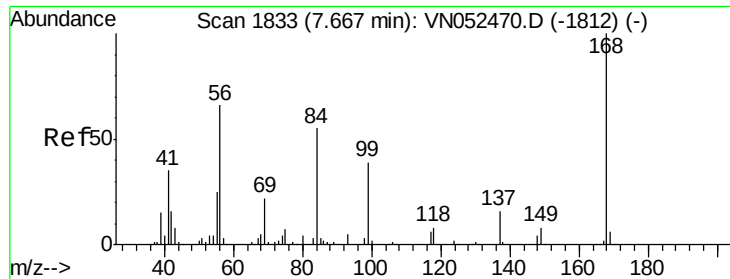
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Manual Integrations
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Quant Time: Dec 11 02:28:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion:168 Resp: 963496

Ion Ratio Lower Upper

168 100

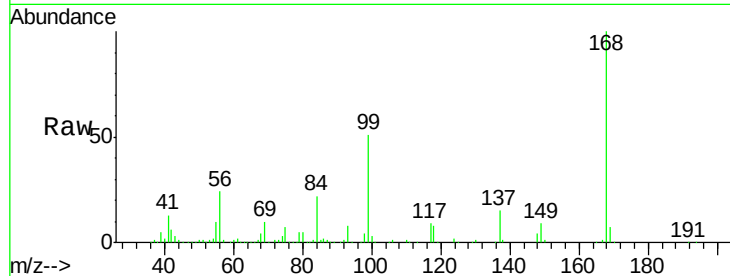
99 51.0 41.7 62.5

Manual Integrations

APPROVED

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12/11/2018 12:45:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

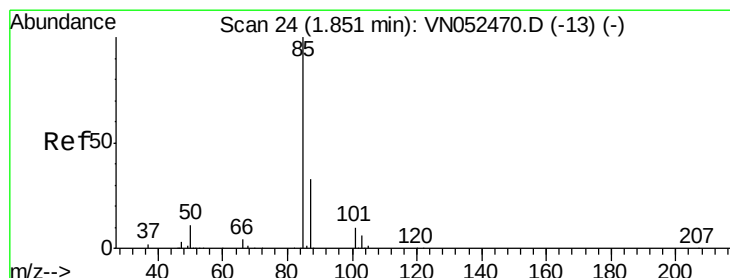
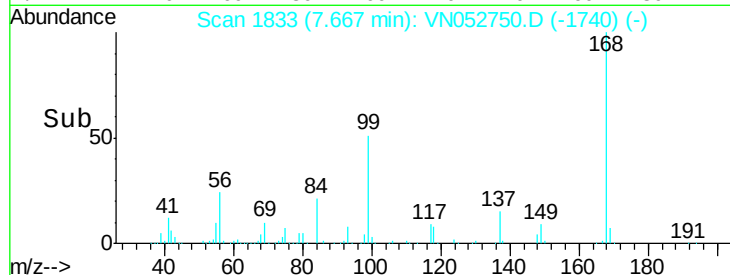
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.651 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052750.D

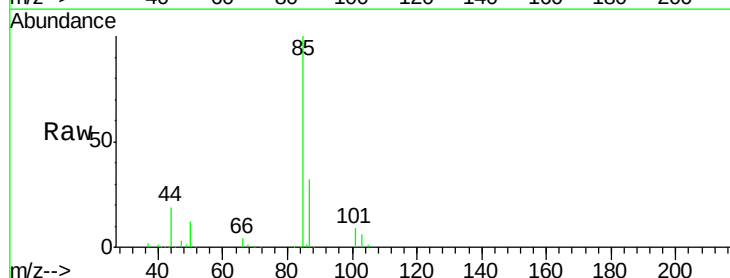
Acq: 10 Dec 2018 13:50

Tgt Ion: 85 Resp: 150214

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

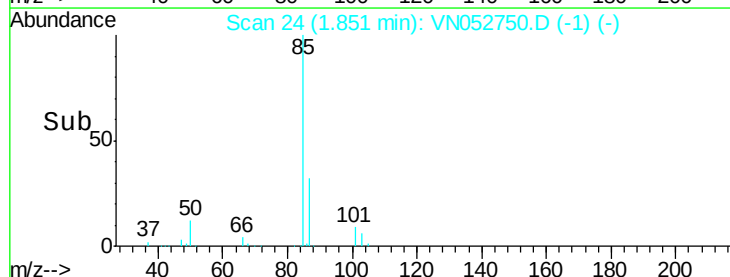
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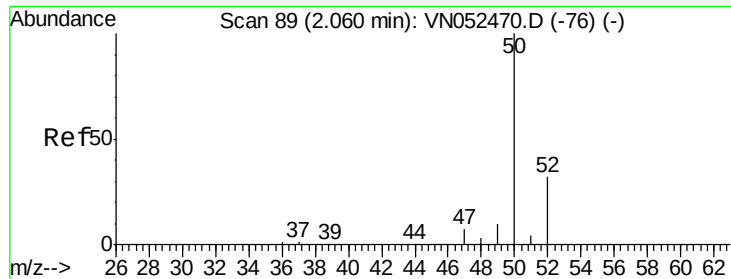
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.423 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 50 Resp: 195573

Ion Ratio Lower Upper

50 100

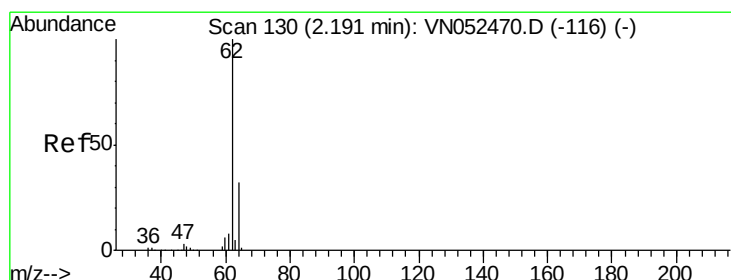
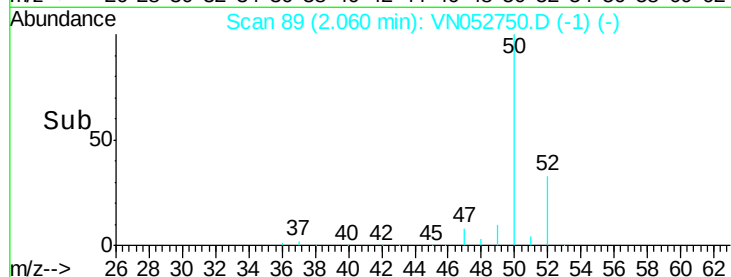
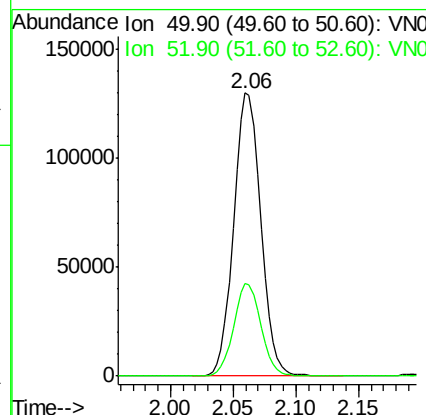
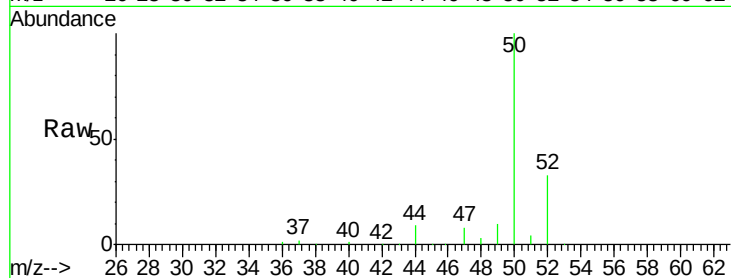
52 32.6 25.9 38.9

Manual Integrations

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12/11/2018 12:45:55 PM



#4

Vinyl Chloride

Concen: 16.895 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052750.D

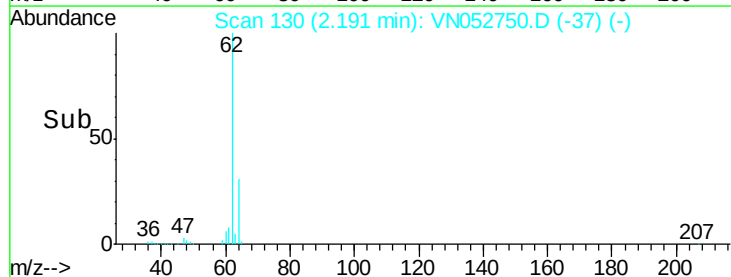
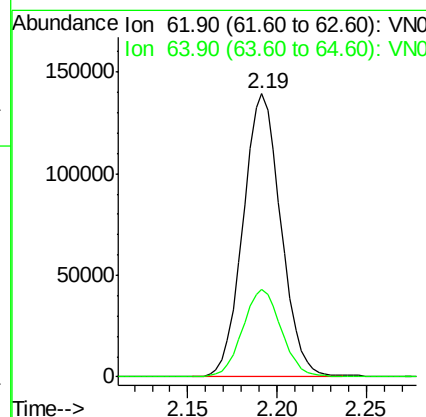
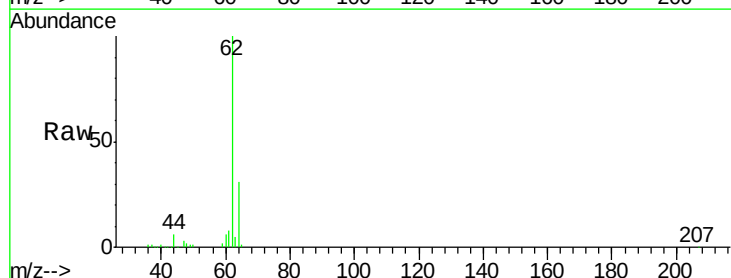
Acq: 10 Dec 2018 13:50

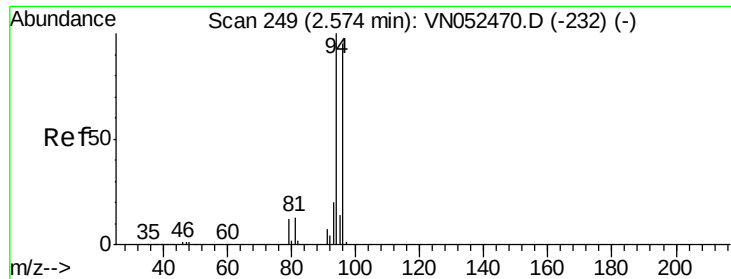
Tgt Ion: 62 Resp: 206676

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 15.281 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 94 Resp: 116638

Ion Ratio Lower Upper

94 100

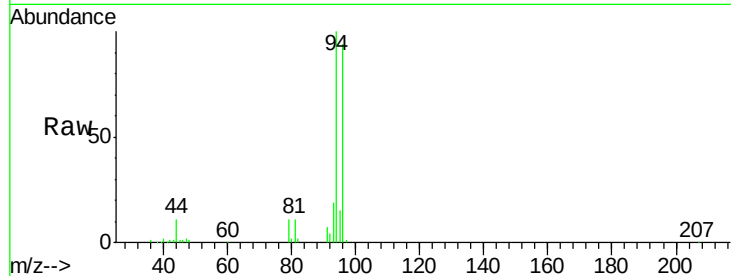
96 93.6 75.8 113.8

Manual Integrations

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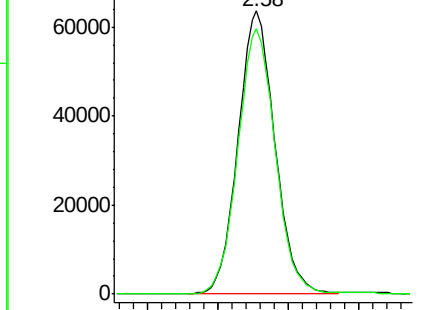
MMDadoda

12/11/2018 12:45:55 PM

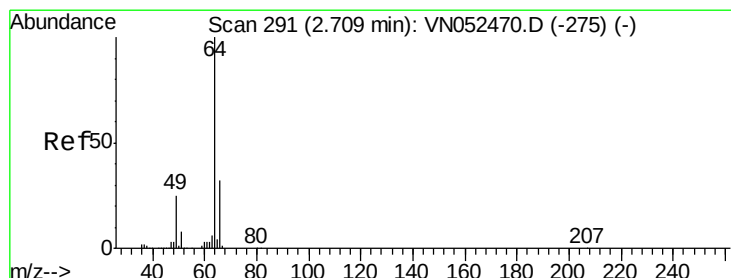
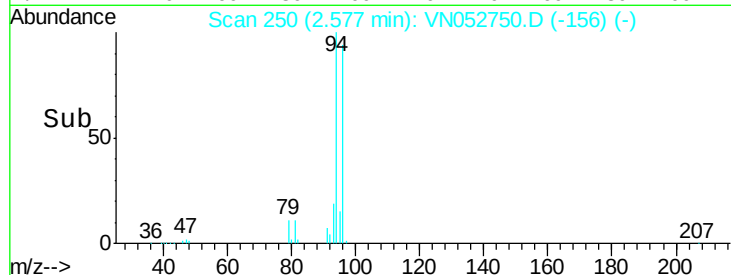


Abundance Ion 93.90 (93.60 to 94.60): VN052750.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052750.D (-156) (-)



Time-->



#6

Chloroethane

Concen: 17.291 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052750.D

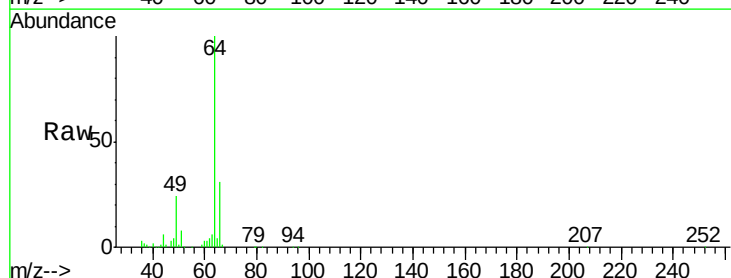
Acq: 10 Dec 2018 13:50

Tgt Ion: 64 Resp: 128122

Ion Ratio Lower Upper

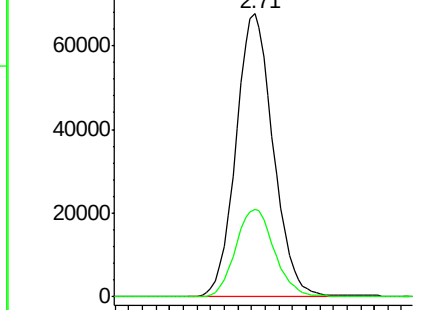
64 100

66 31.0 25.7 38.5

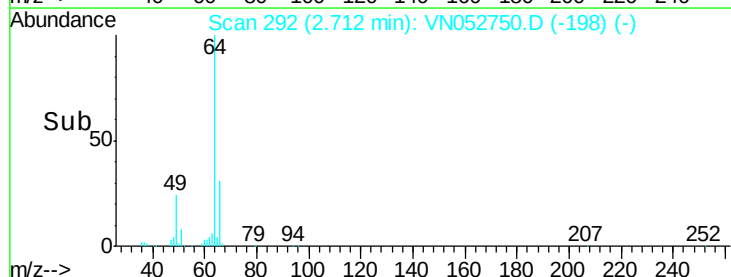


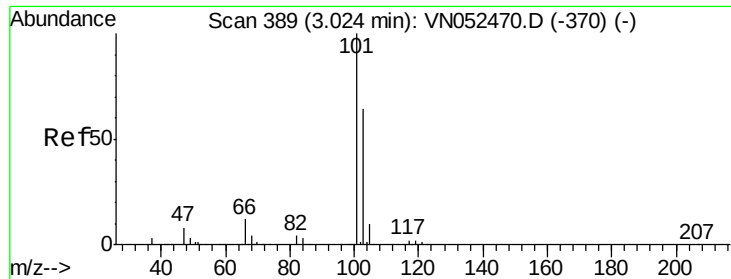
Abundance Ion 63.90 (63.60 to 64.60): VN052750.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052750.D (-198) (-)



Time-->





#7

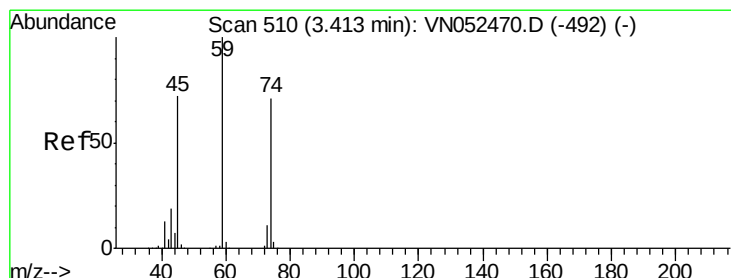
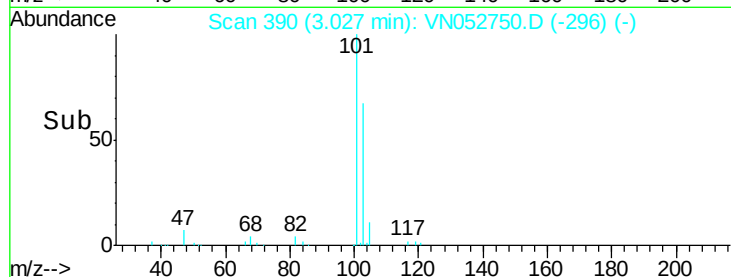
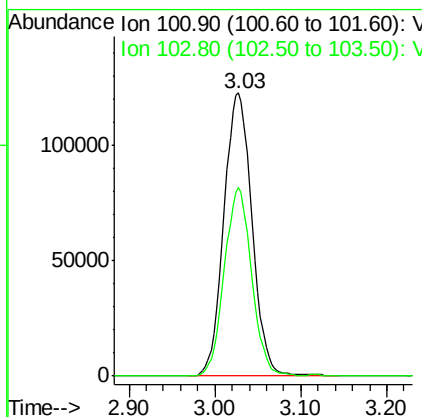
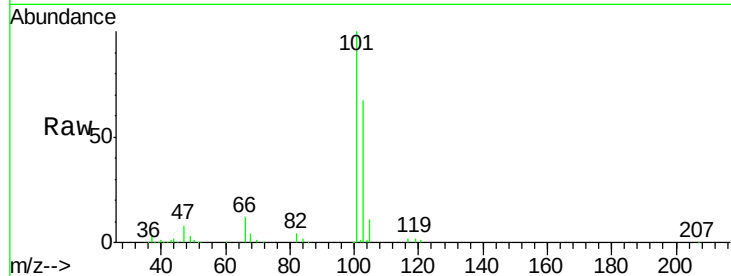
Trichlorofluoromethane
Concen: 18.592 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.4	77.2

Manual Integrations
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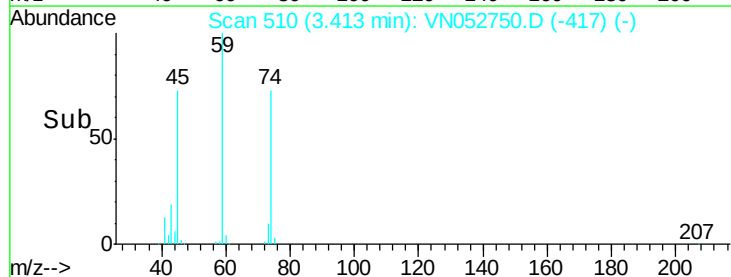
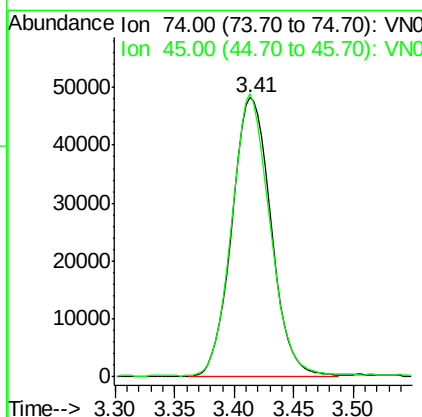
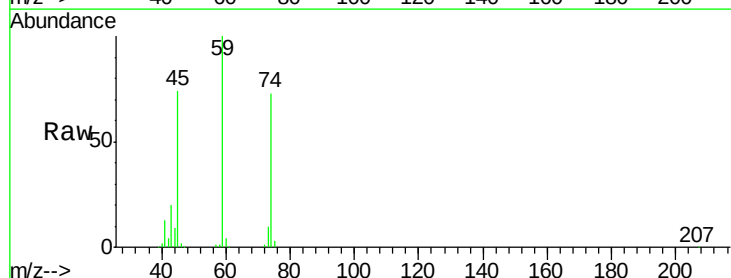
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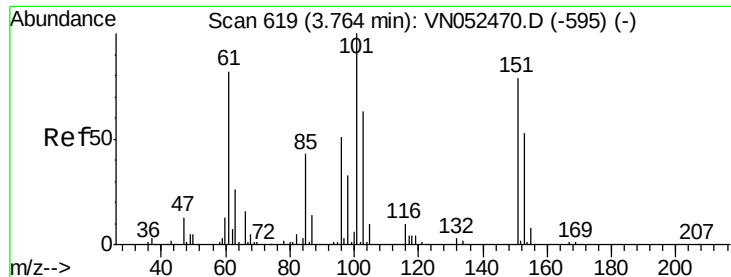


#8

Diethyl Ether
Concen: 19.879 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.703 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

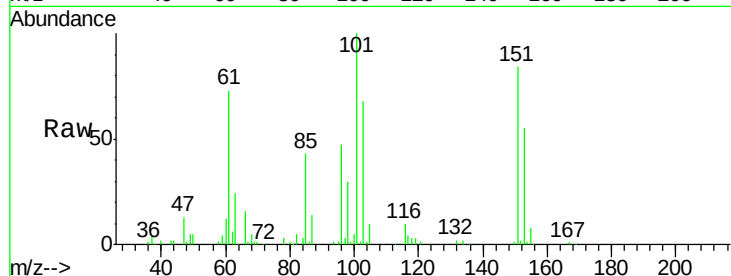
ClientSampleId :

VN1210WBSD02

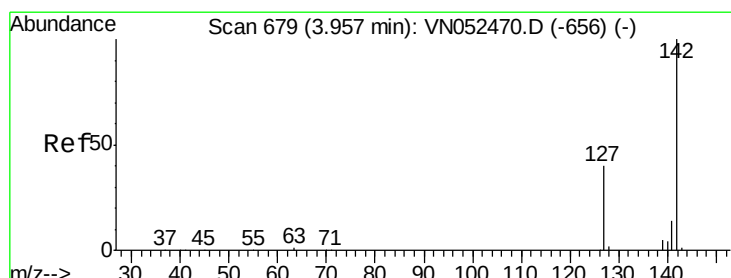
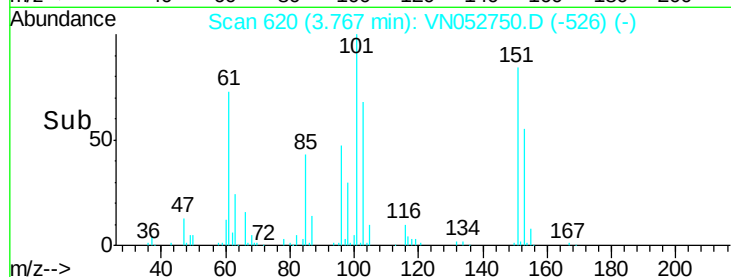
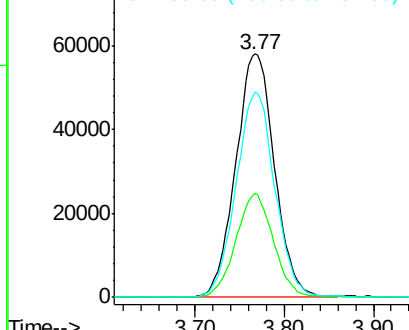
Tot Ion:	101	Resp:	175368
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.2	51.4
151	84.2	64.6	96.8

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



#10

Methyl Iodide

Concen: 15.427 ug/l

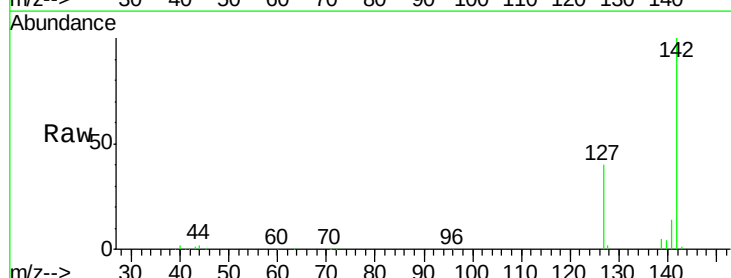
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

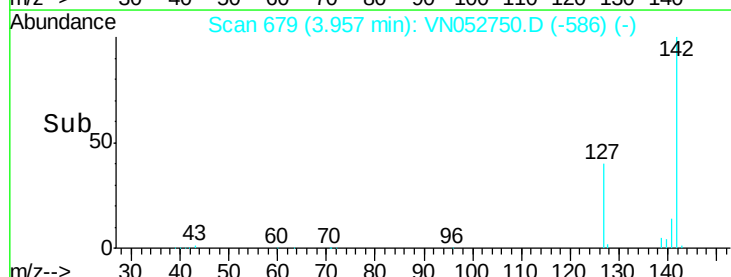
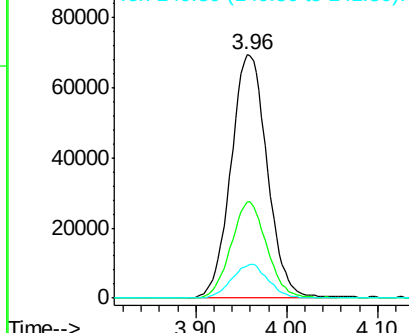
Lab File: VN052750.D

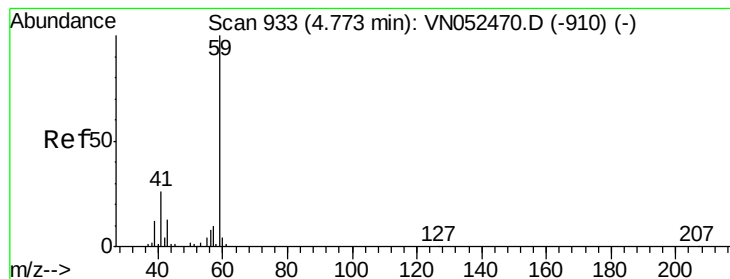
Acq: 10 Dec 2018 13:50

Tgt Ion:	142	Resp:	192655
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.8	47.6
141	13.9	11.4	17.0



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





#11

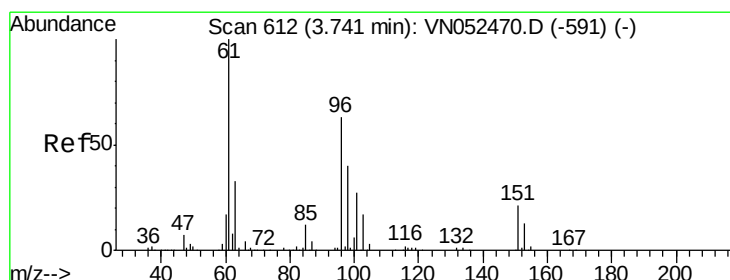
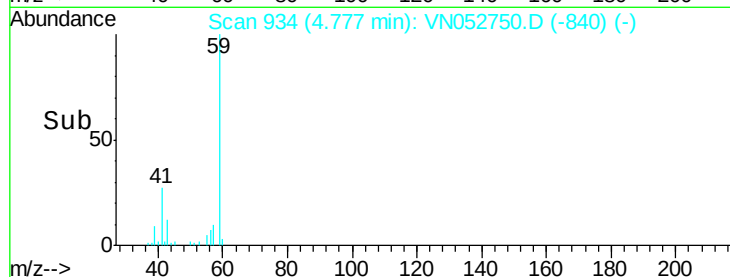
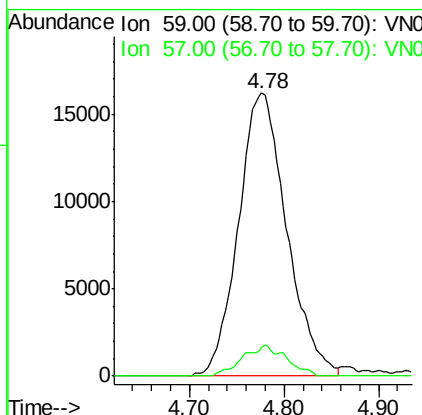
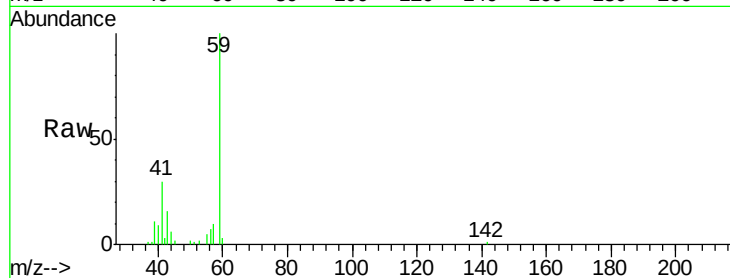
Tert butyl alcohol
 Concen: 109.097 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	7.9	11.9#

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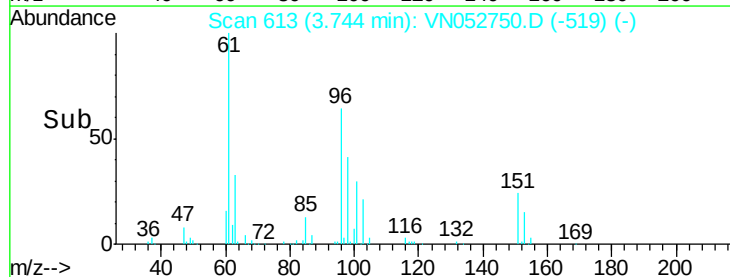
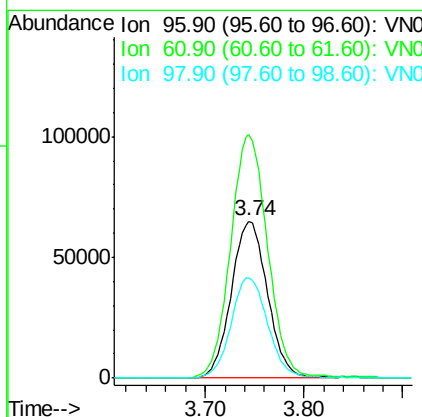
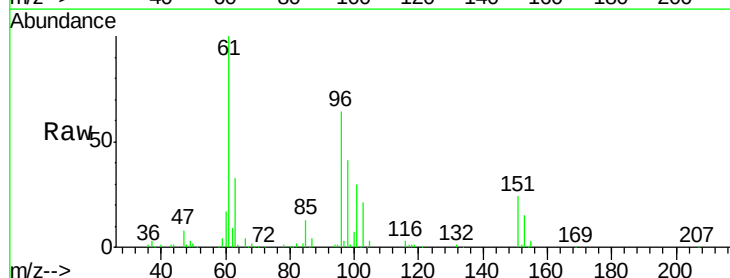
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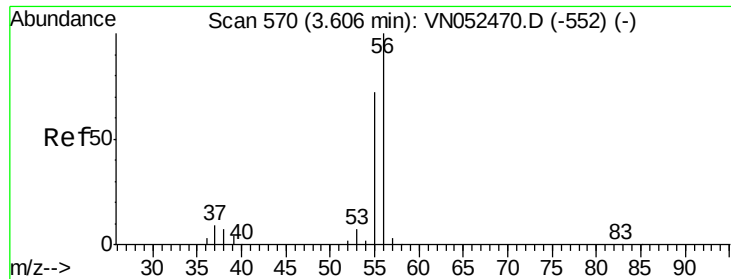


#12

1,1-Dichloroethene
 Concen: 18.404 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	127.0	190.6
98	63.8	50.3	75.5





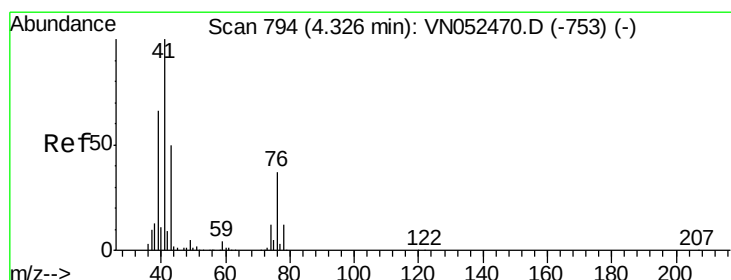
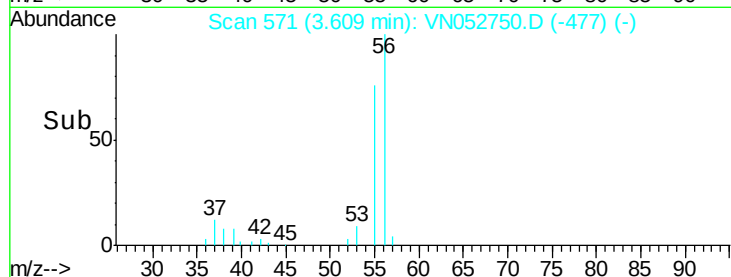
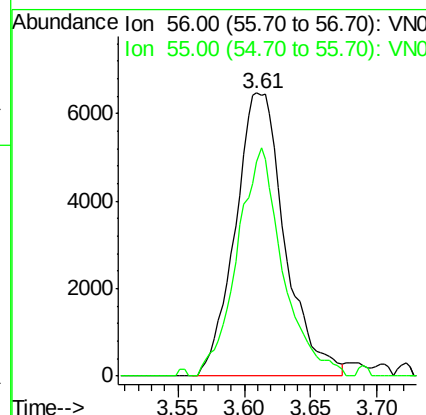
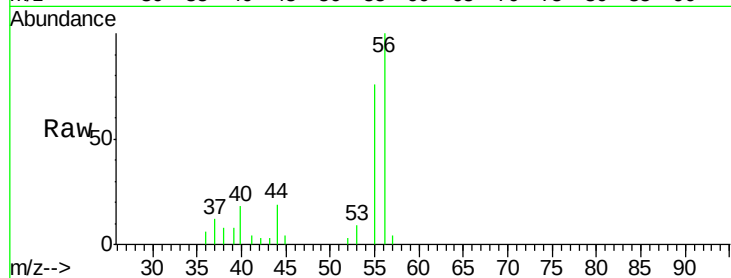
#13
Acrolein
Concen: 18.480 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.1	56.8	85.2

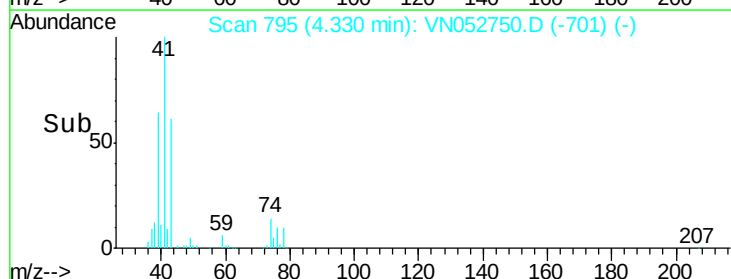
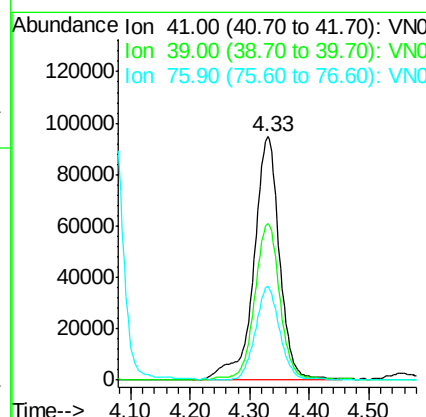
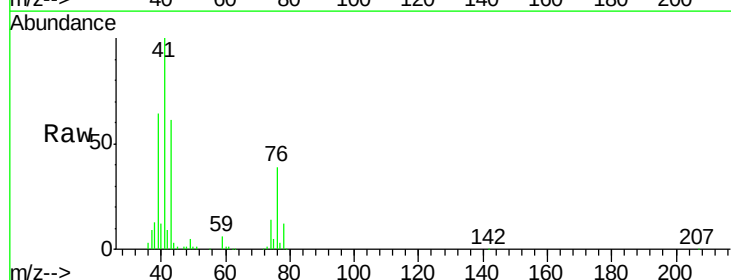
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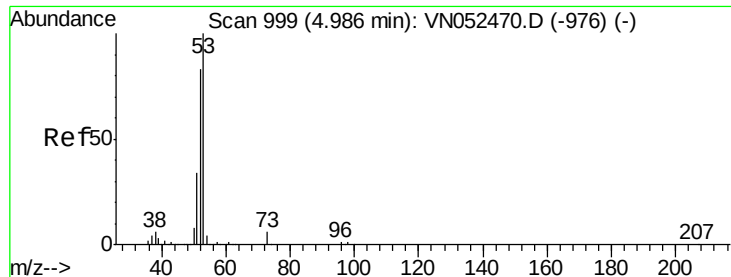
MMDadoda
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#14
Allyl chloride
Concen: 18.543 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	50.6	76.0
76	35.6	27.4	41.2





#15

Acrylonitrile

Concen: 100.605 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

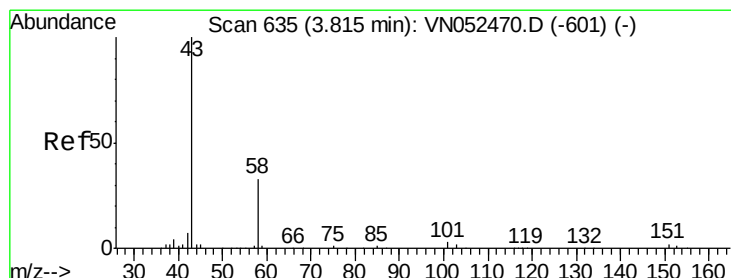
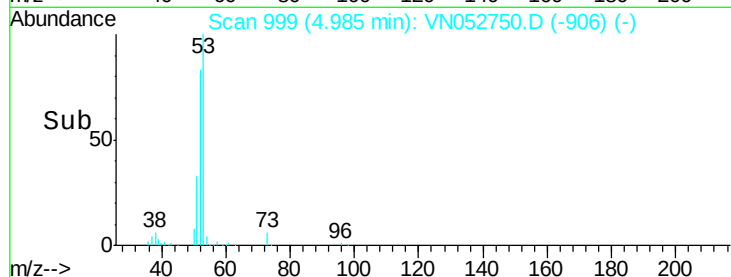
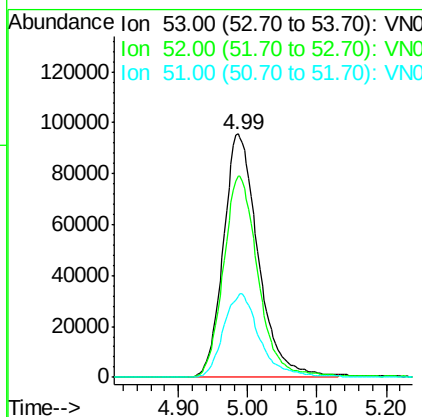
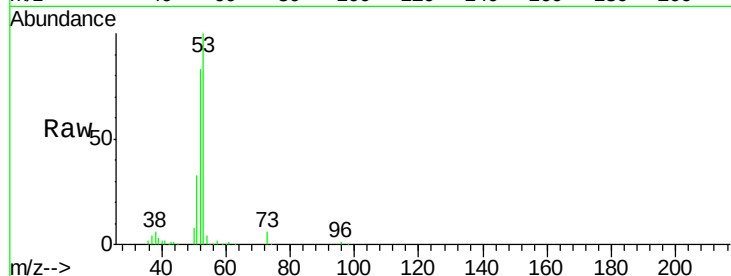
ClientSampleId :

VN1210WBSD02

Tot Ion:	53	Resp:	334465
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.7	28.1	42.1

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#16

Acetone

Concen: 87.285 ug/l

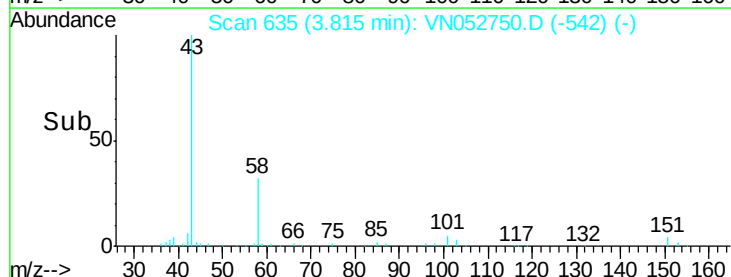
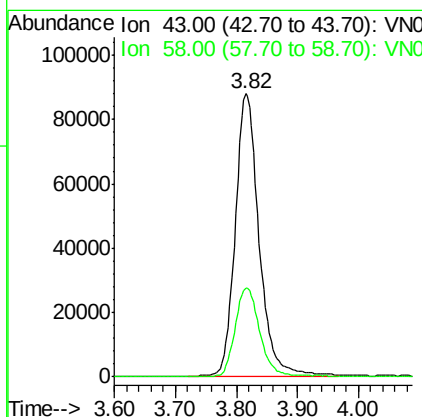
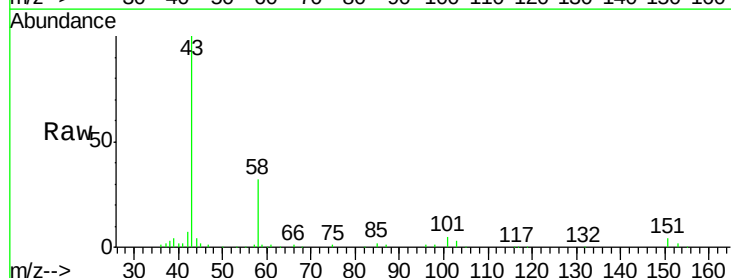
RT: 3.82 min Scan# 635

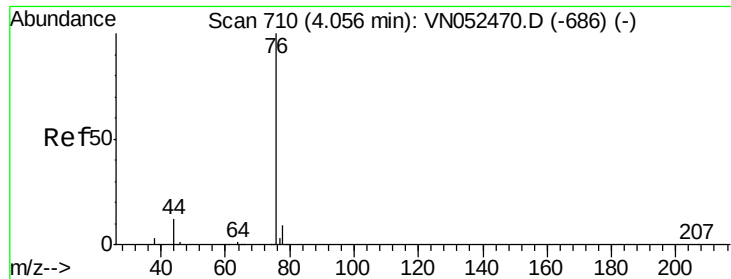
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	43	Resp:	241519
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.0	39.0





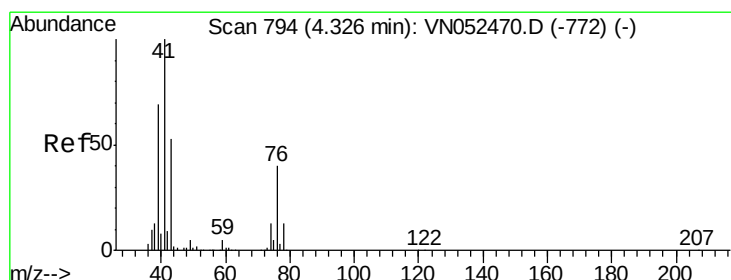
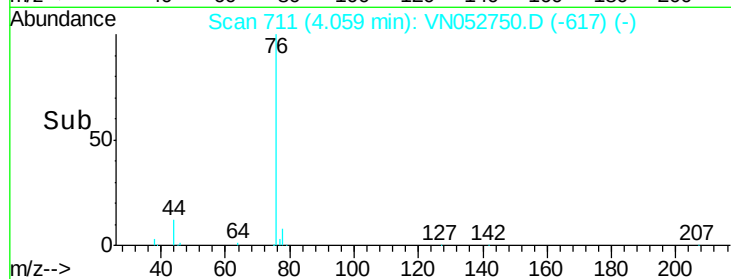
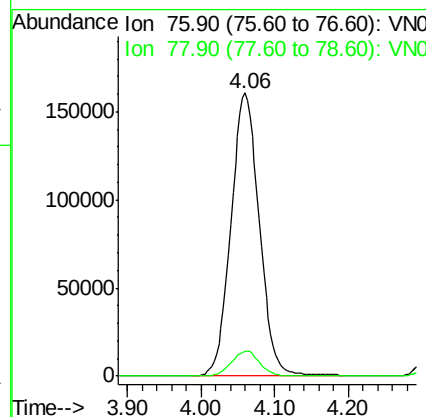
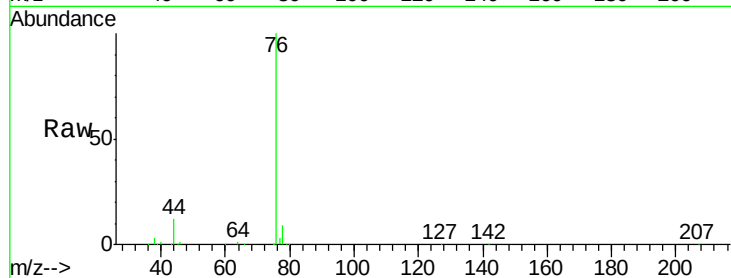
#17
Carbon Disulfide
Concen: 15.152 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

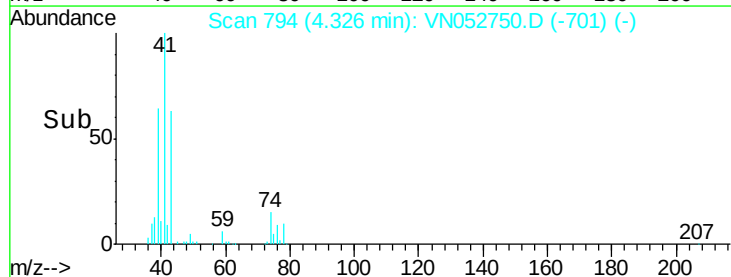
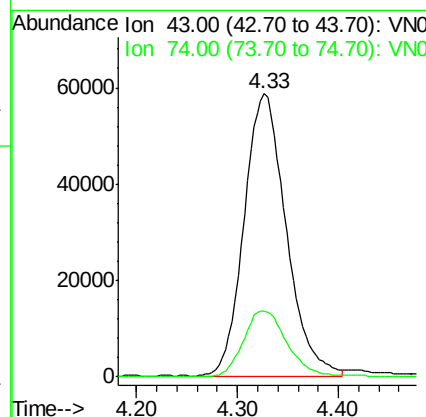
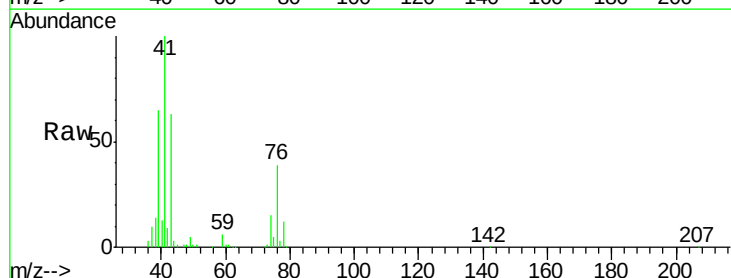
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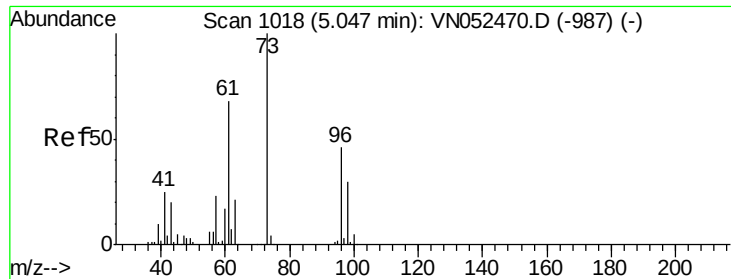
MMDadoda
12/11/2018 12:45:55 PM



#18
Methyl Acetate
Concen: 21.341 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.6	27.8





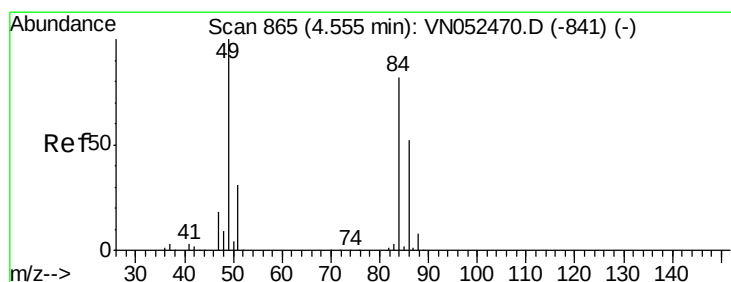
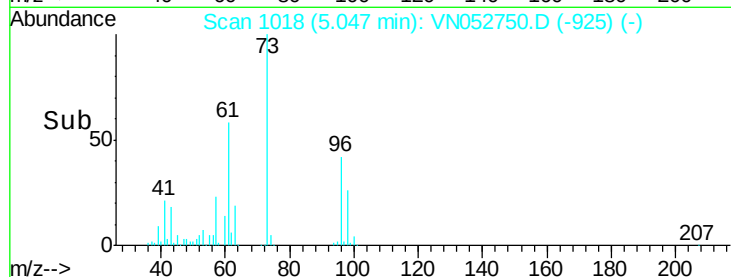
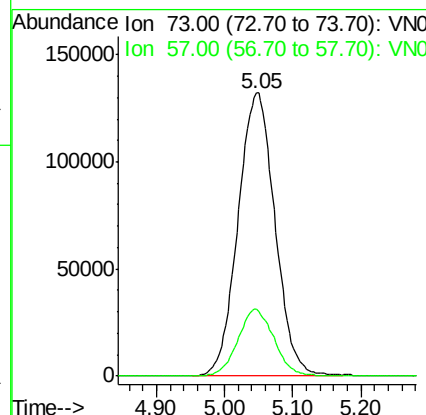
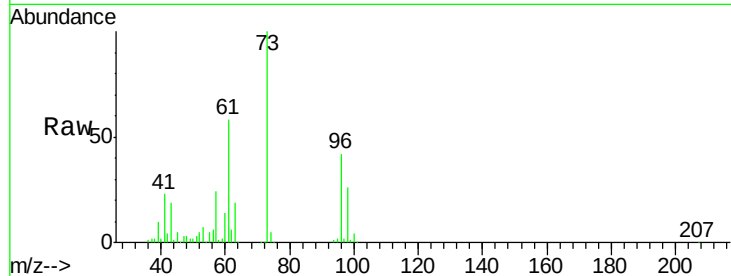
#19
Methvl tert-butyl Ether
Concen: 20.704 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion: 73 Resp: 497178
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.2

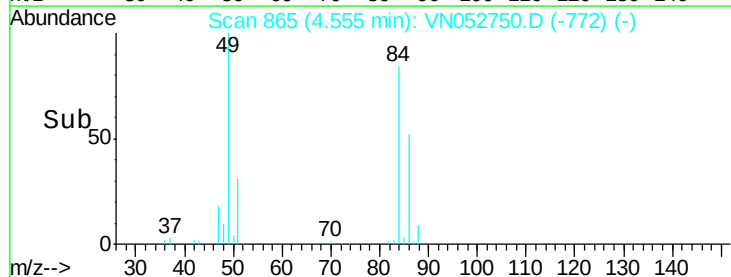
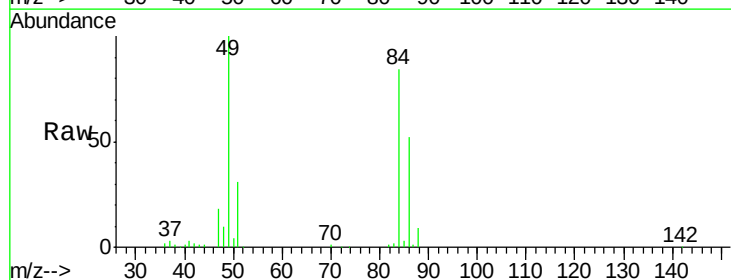
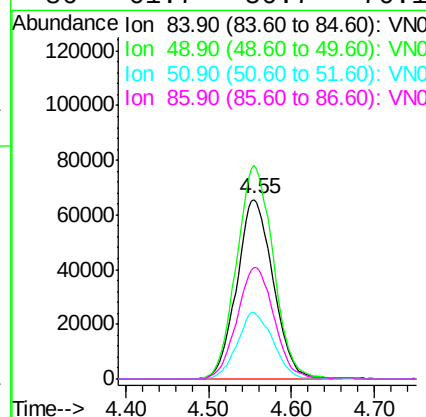
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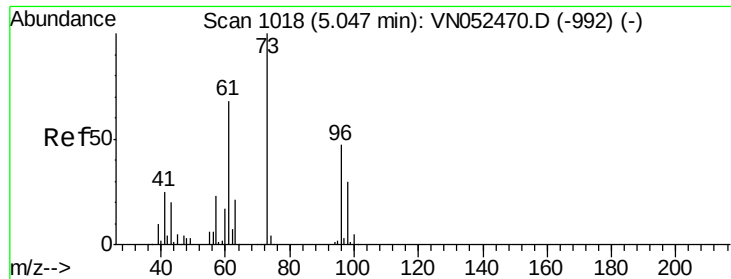
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#20
Methylene Chloride
Concen: 18.539 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion: 84 Resp: 200740
Ion Ratio Lower Upper
84 100
49 118.9 98.0 147.0
51 36.7 30.1 45.1
86 61.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.499 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

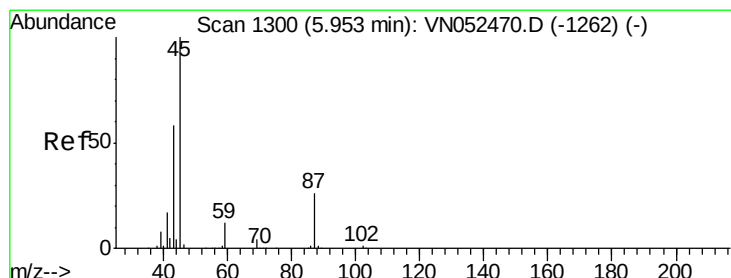
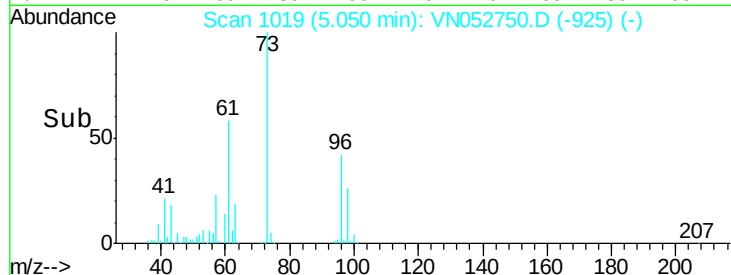
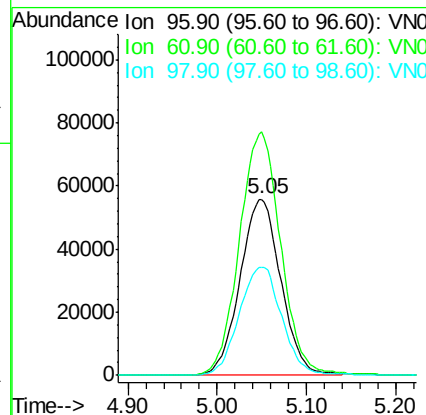
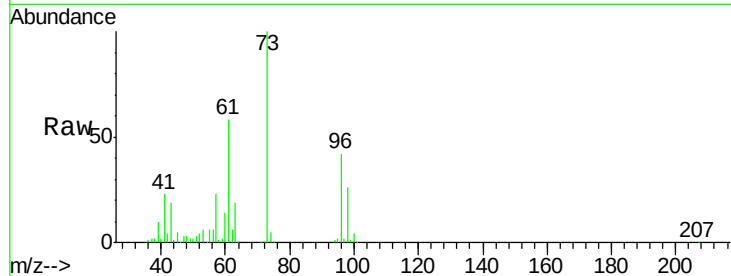
ClientSampleId :

VN1210WBSD02

Tot Ion:	96	Resp:	178314
Ion	Ratio	Lower	Upper
96	100		
61	138.1	117.0	175.4
98	61.3	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.393 ug/l

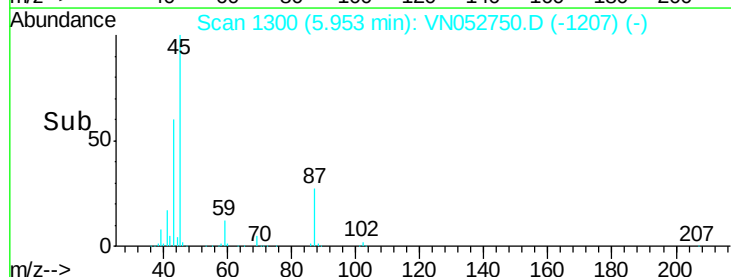
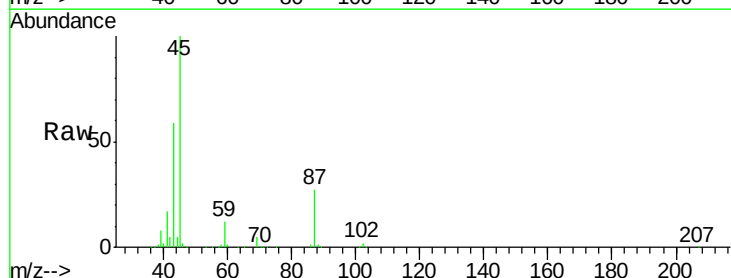
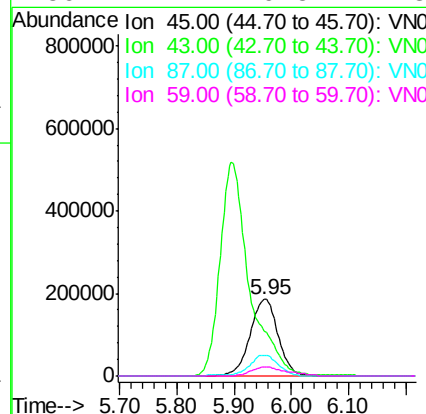
RT: 5.95 min Scan# 1300

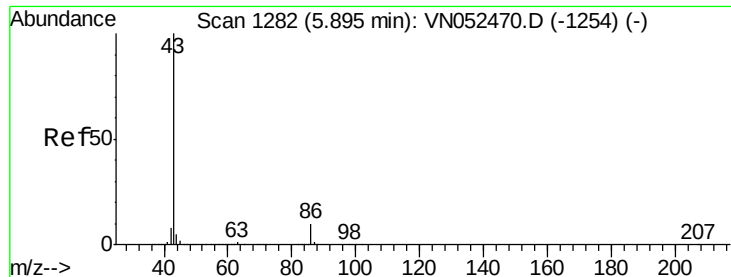
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	45	Resp:	633654
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.1	69.1
87	27.4	21.3	31.9
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 91.240 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 43 Resp: 1856874

Ion Ratio Lower Upper

43 100

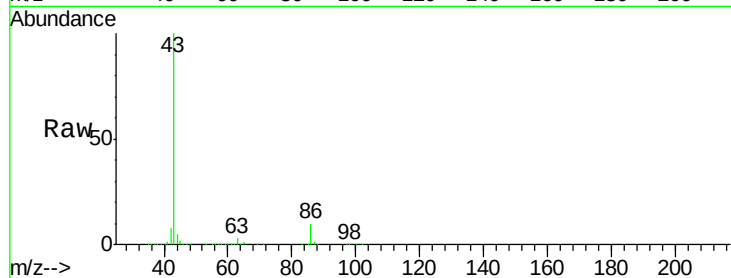
86 10.1 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

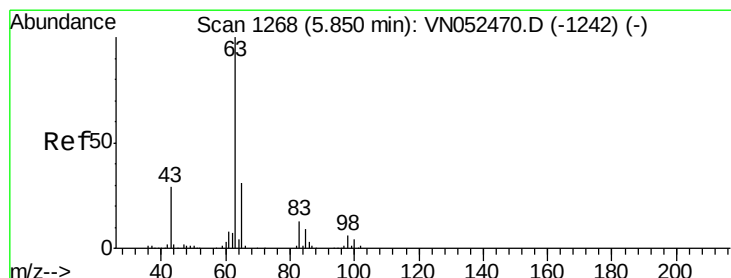
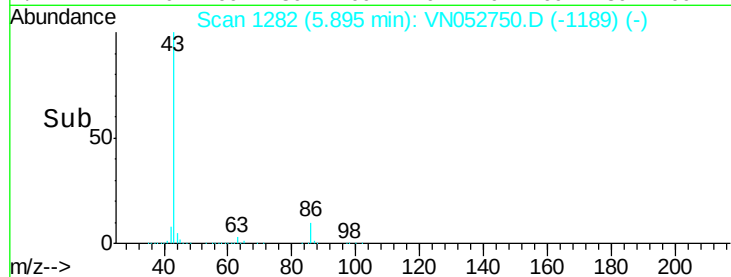
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.107 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

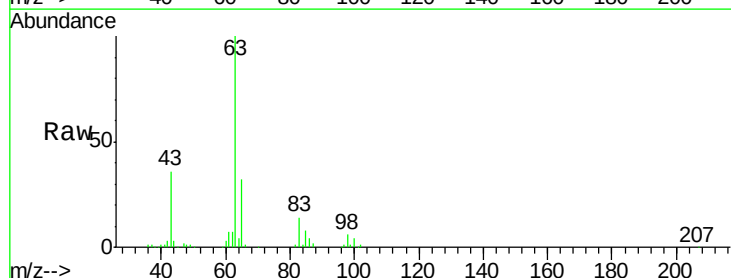
Tgt Ion: 63 Resp: 356463

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

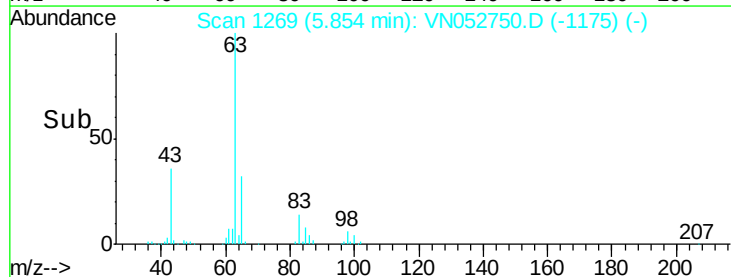
150000

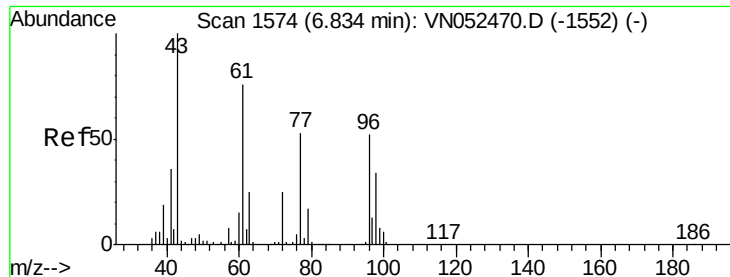
100000

50000

0

Time-->





#25

2-Butanone

Concen: 96.606 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 43 Resp: 378887

Ion Ratio Lower Upper

43 100

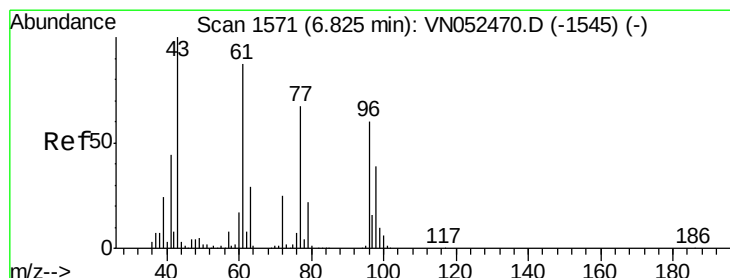
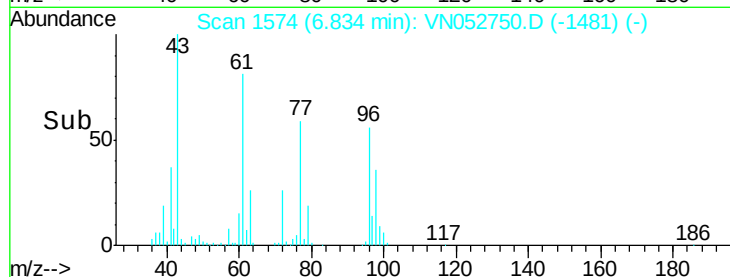
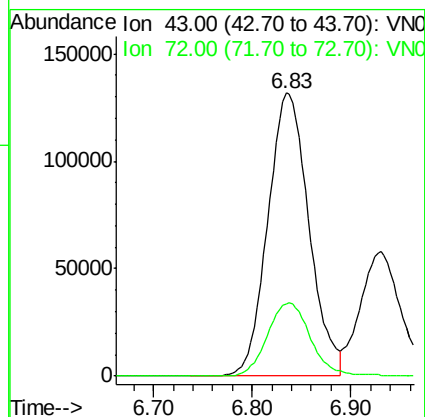
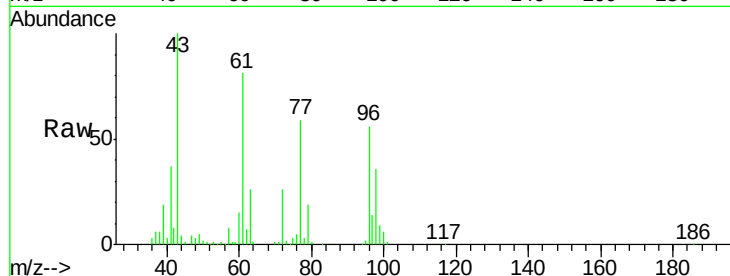
72 25.6 20.1 30.1

Manual Integrations

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12/11/2018 12:45:55 PM



#26

2,2-Dichloropropane

Concen: 19.947 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052750.D

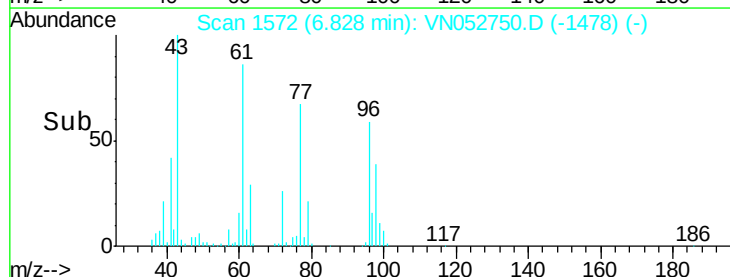
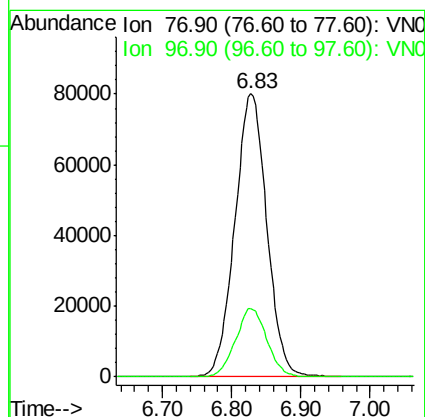
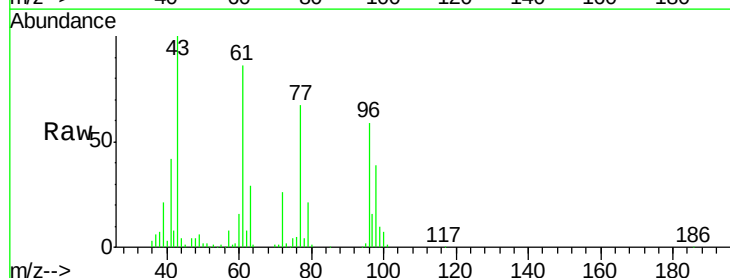
Acq: 10 Dec 2018 13:50

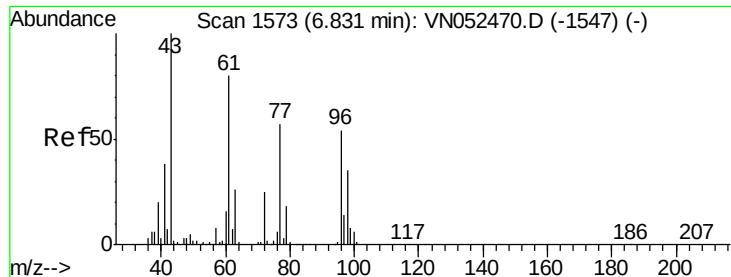
Tgt Ion: 77 Resp: 257573

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.200 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

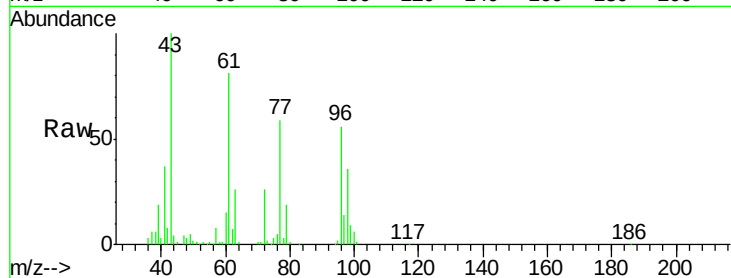
ClientSampleId :

VN1210WBSD02

Tot Ion:	96	Resp:	21585
Ion Ratio	Lower	Upper	
96	100		
61	143.8	0.0	291.0
98	64.8	0.0	130.0

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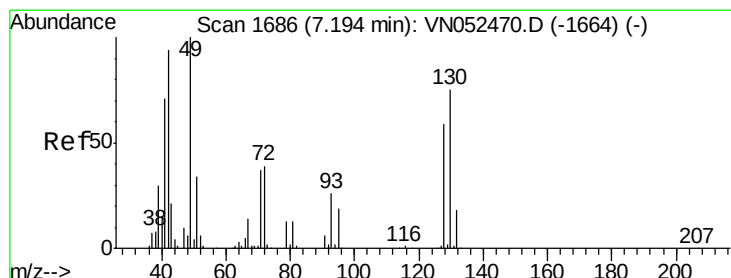
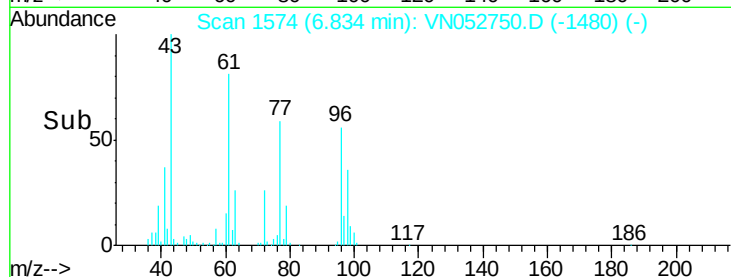
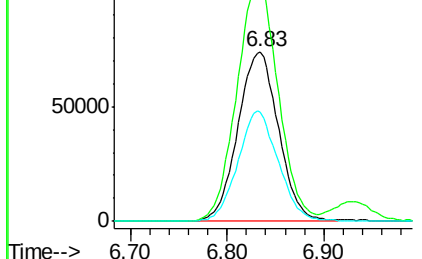


Abundance Ion 95.90 (95.60 to 96.60): VN052750.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052750.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052750.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 18.822 ug/l

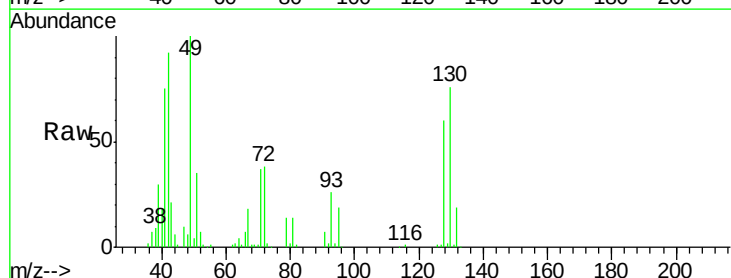
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	49	Resp:	160386
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	79.4	60.2	90.2

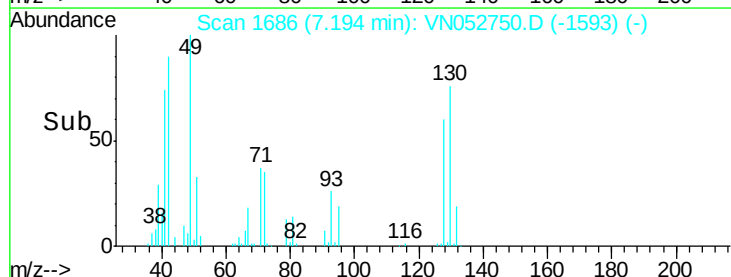
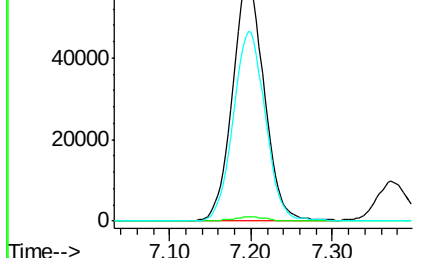


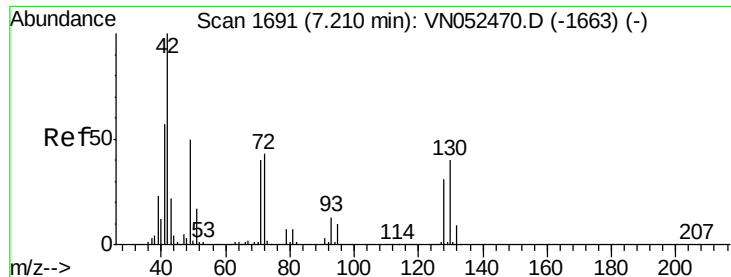
Abundance Ion 48.90 (48.60 to 49.60): VN052750.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052750.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052750.D (-1593) (-)

Time-->





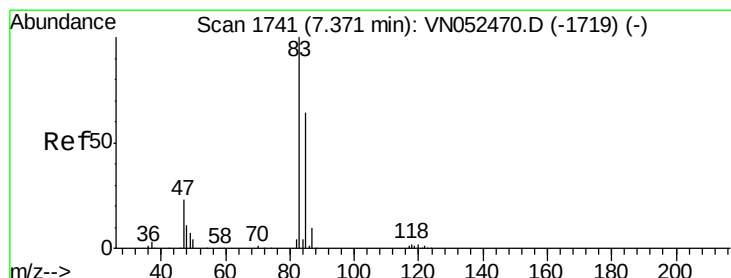
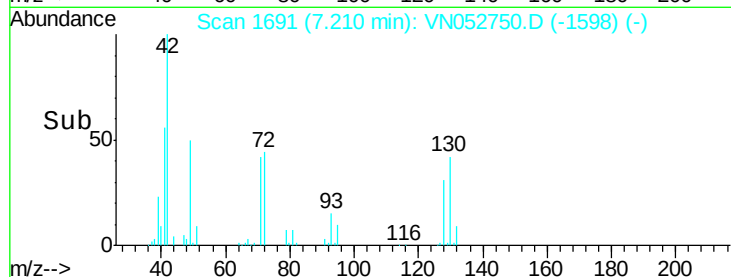
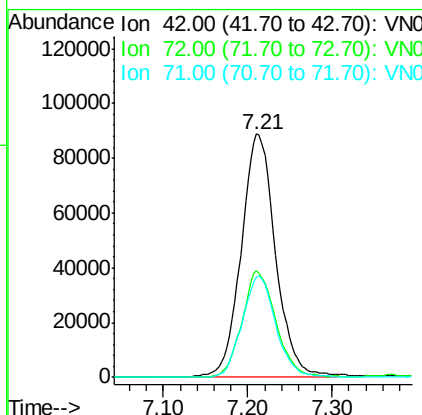
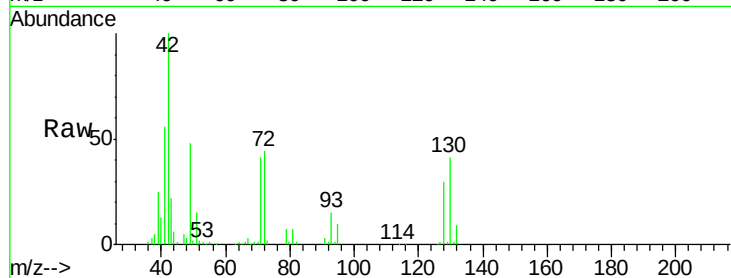
#29
Tetrahydrofuran
Concen: 98.741 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.3	49.9
71	41.3	32.0	48.0

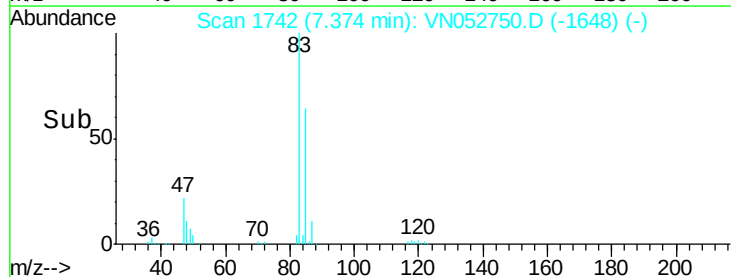
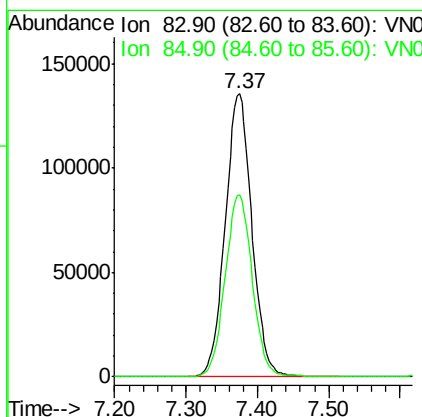
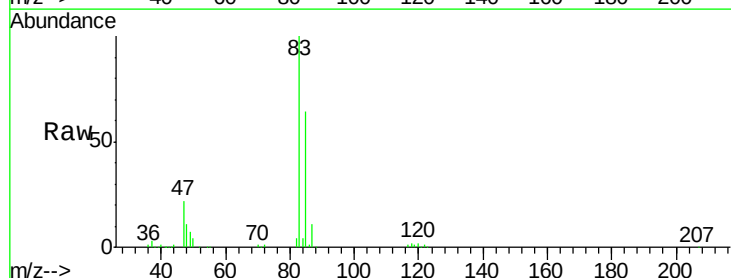
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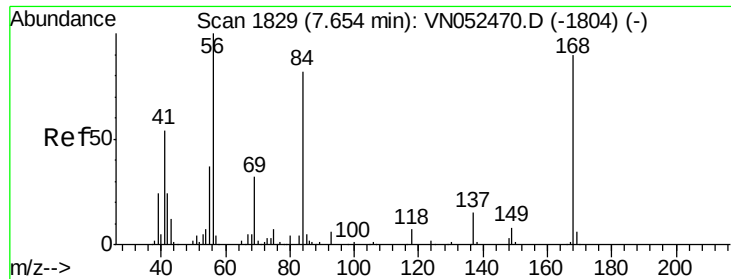
MMDadoda
12/11/2018 12:45:55 PM



#30
Chloroform
Concen: 18.974 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4





#31

Cyclohexane

Concen: 17.339 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

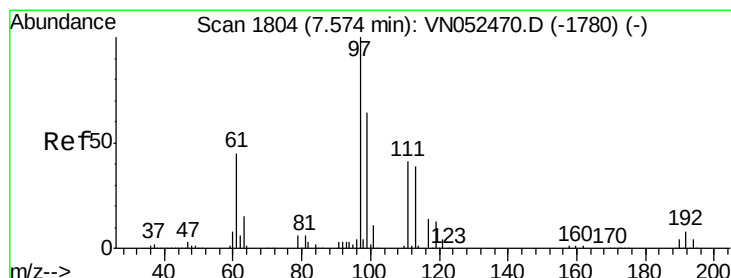
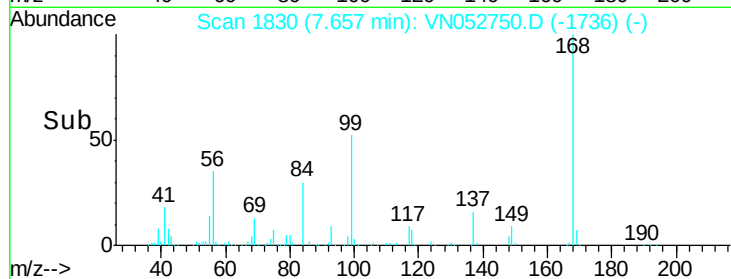
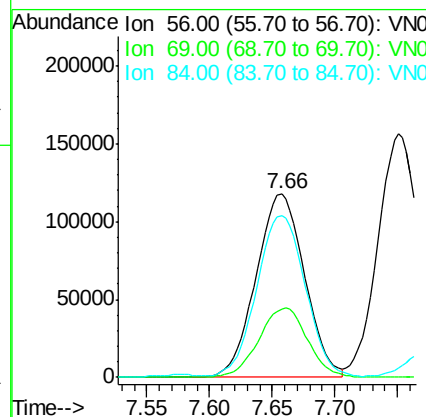
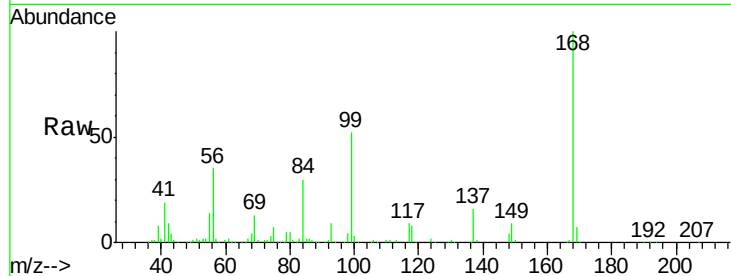
ClientSampleId :

VN1210WBSD02

Tot Ion:	56	Resp:	317404
Ion Ratio	Lower	Upper	
56	100		
69	37.5	25.8	38.6
84	86.8	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.578 ug/l

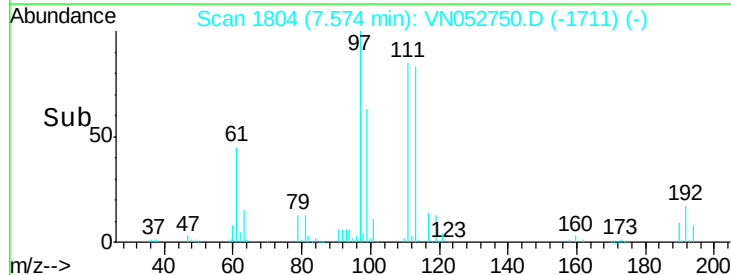
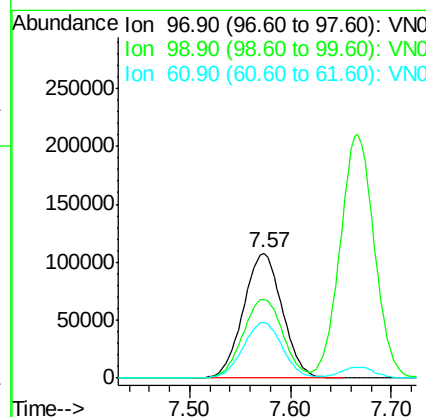
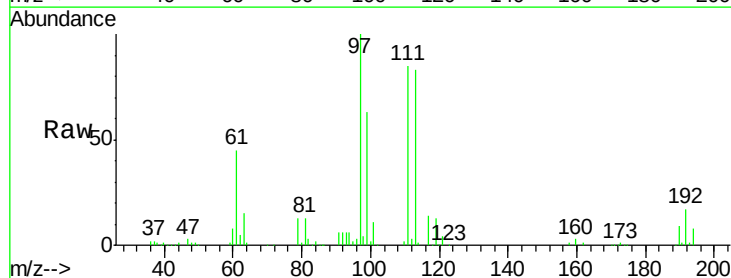
RT: 7.57 min Scan# 1804

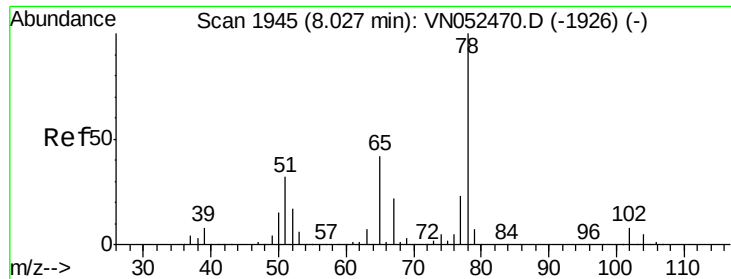
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	97	Resp:	288717
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.7	77.5
61	44.8	36.8	55.2





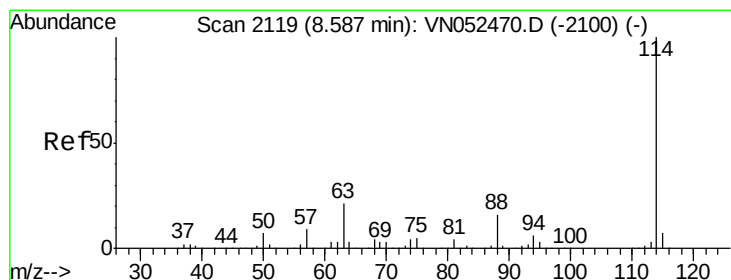
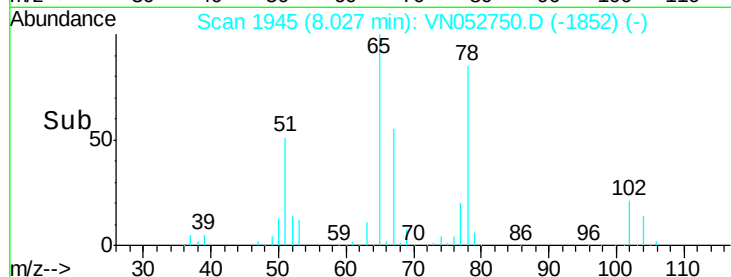
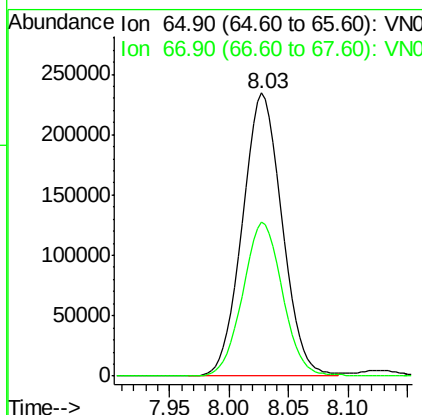
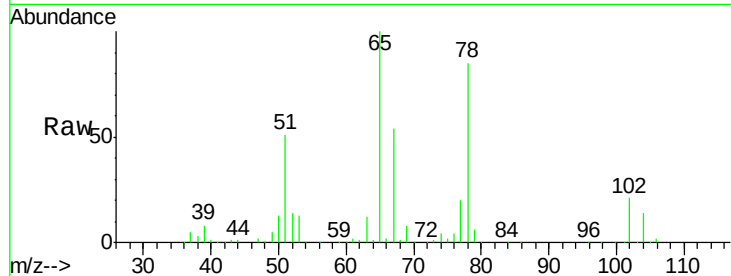
#33
 1,2-Dichloroethane-d4
 Concen: 19.578 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.8	

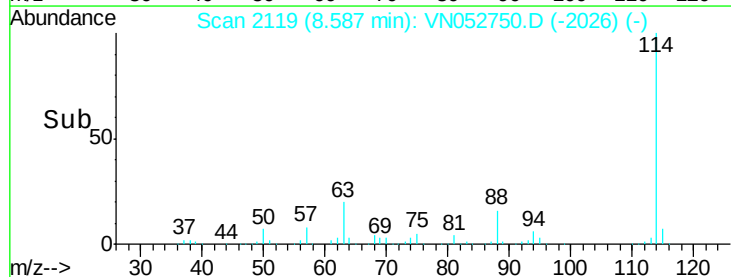
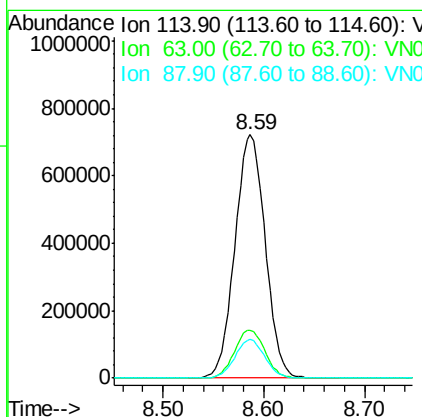
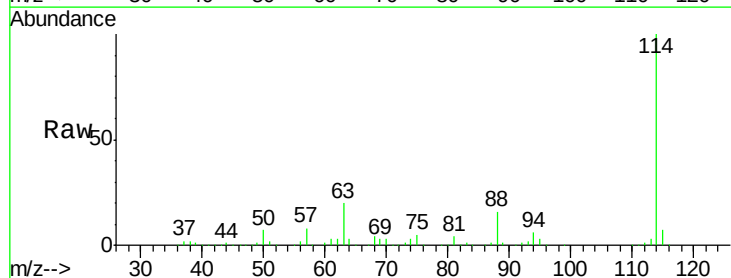
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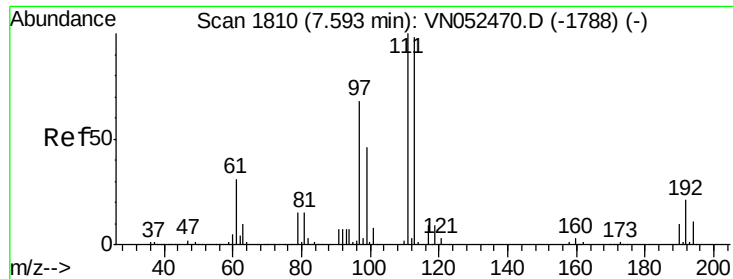
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	41.8	
88	15.8	0.0	31.6	





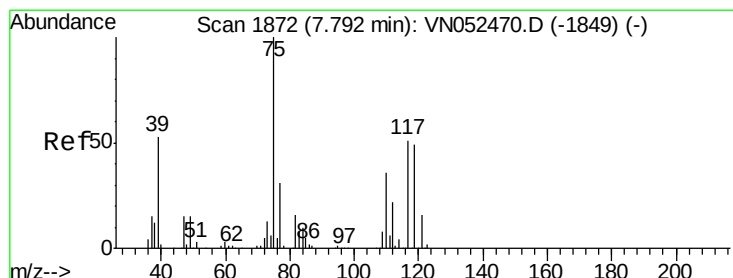
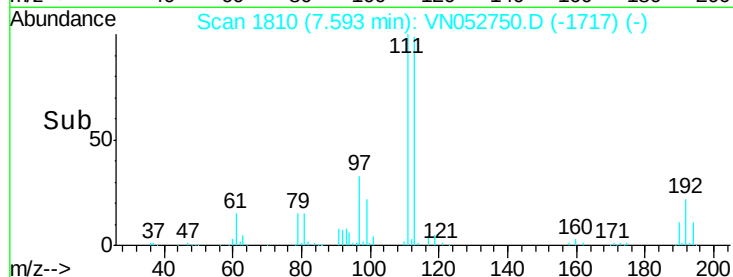
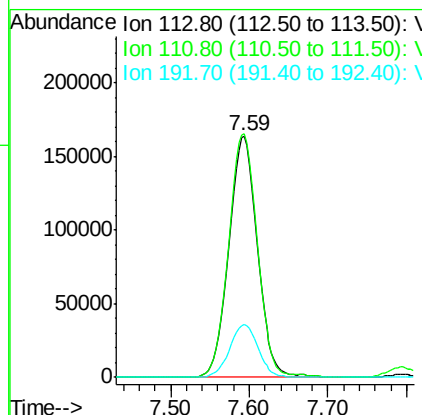
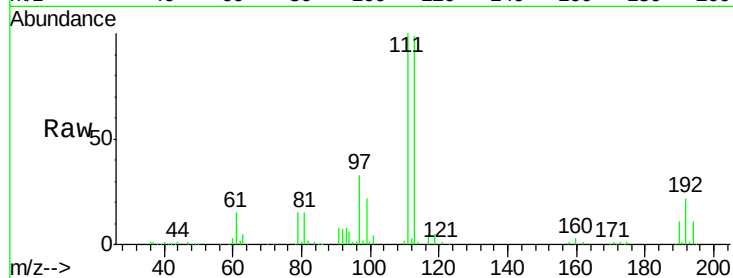
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	82.0	123.0	
192	22.0	17.0	25.6	

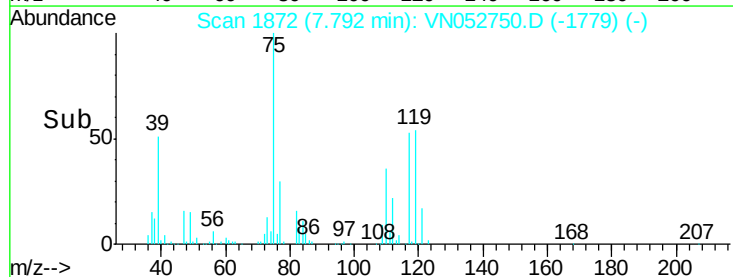
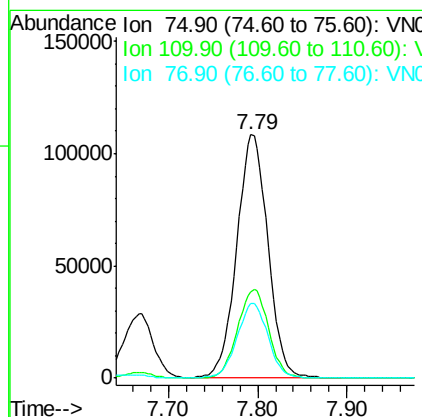
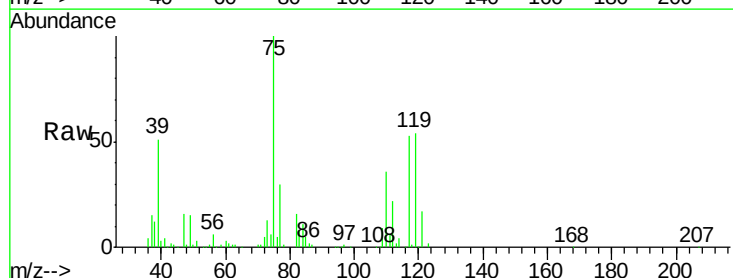
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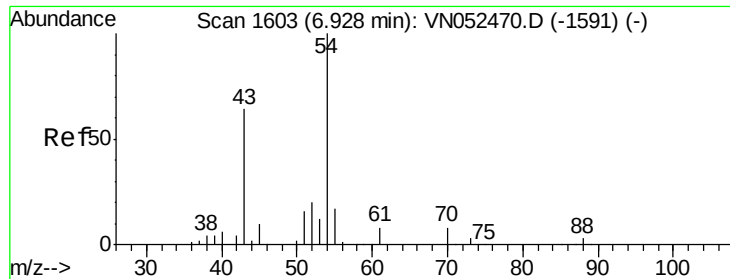
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#36
1,1-Dichloropropene
Concen: 18.462 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	17.5	52.6	
77	30.9	24.5	36.7	





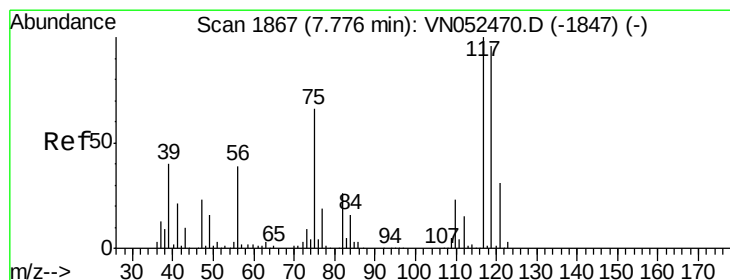
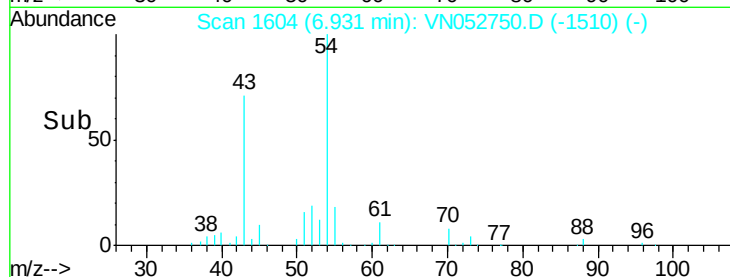
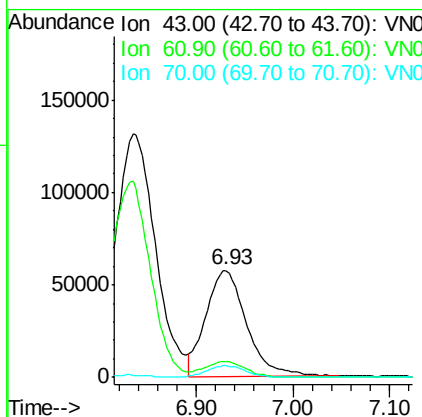
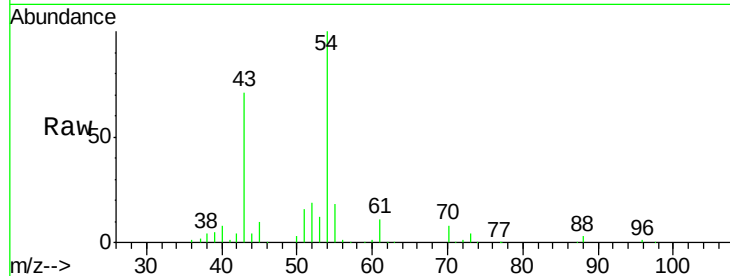
#37
Ethyl Acetate
Concen: 19.214 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	43	61	70
Resp	166278		
Ratio	100	14.4	9.9
Lower		11.8	7.8
Upper		17.8	11.8

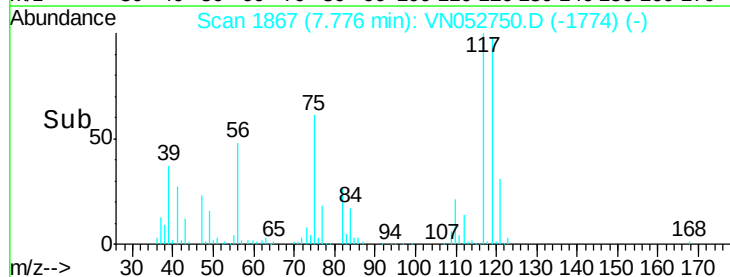
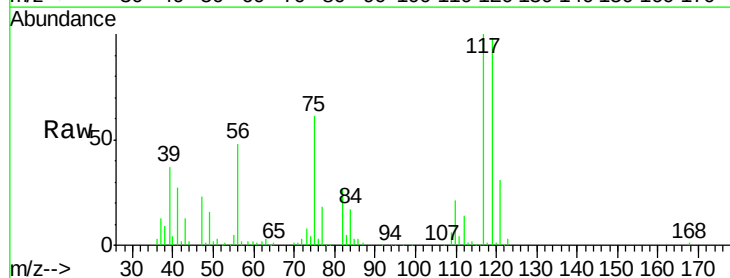
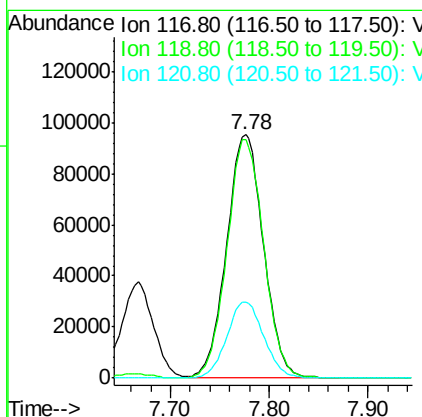
Manual Integrations
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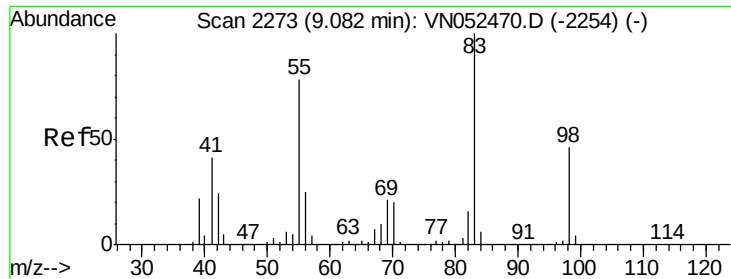
MMDadoda
12/11/2018 12:45:55 PM



#38
Carbon Tetrachloride
Concen: 19.253 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	117	119	121
Resp	247142		
Ratio	100	97.9	31.4
Lower		76.8	24.9
Upper		115.2	37.3





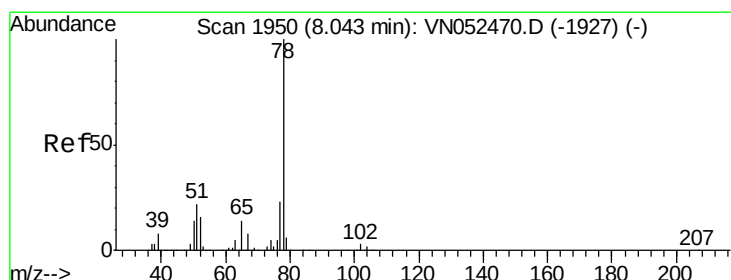
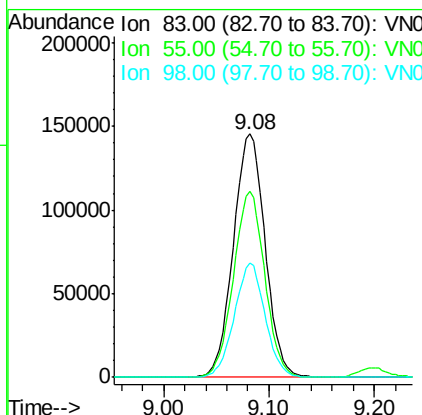
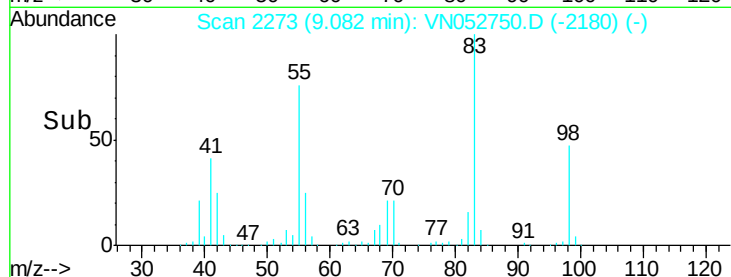
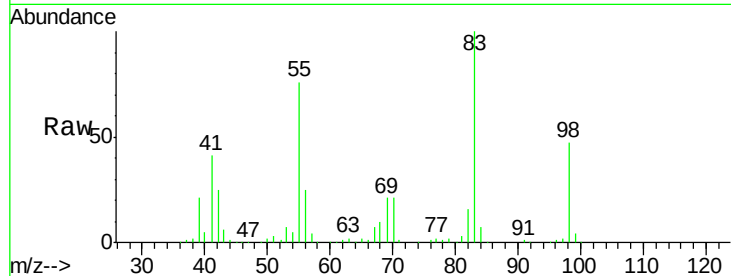
#39
Methylvlcyclohexane
Concen: 17.648 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.3	62.2	93.2	
98	46.8	36.4	54.6	

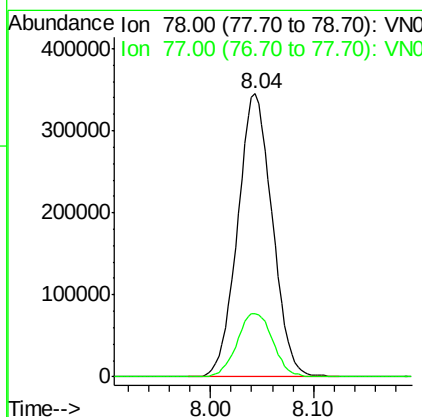
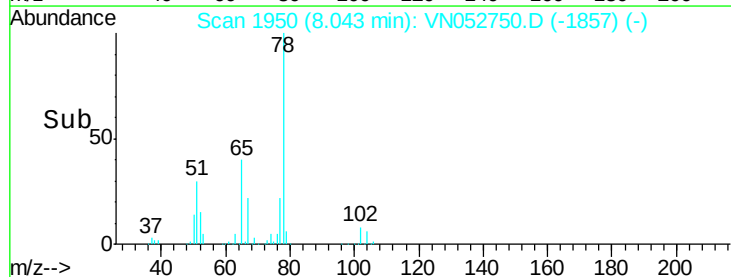
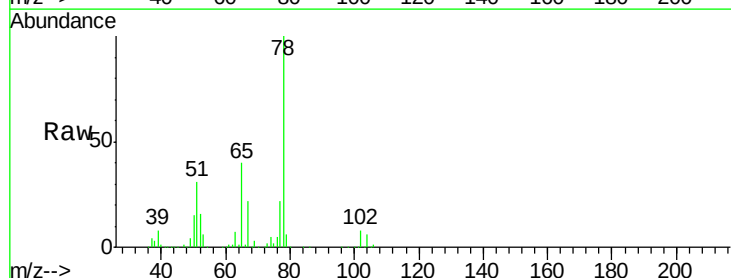
Manual Integrations
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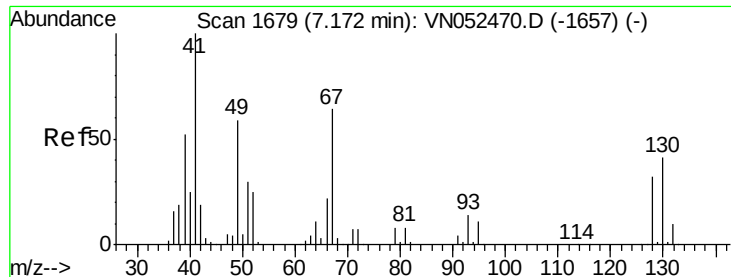
MMDadoda
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#40
Benzene
Concen: 19.074 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	18.8	28.2	





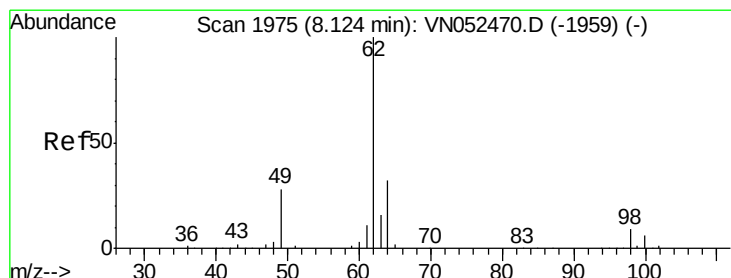
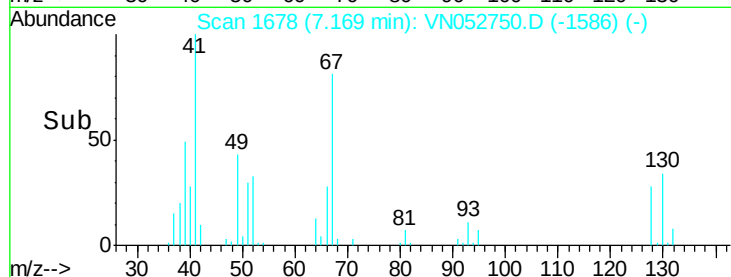
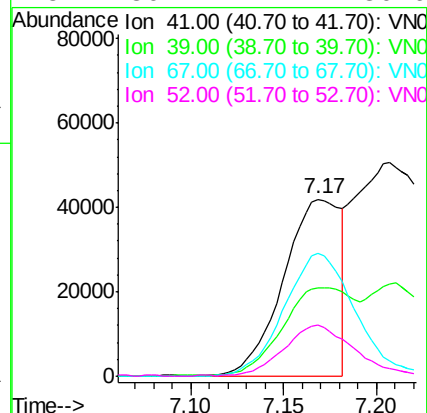
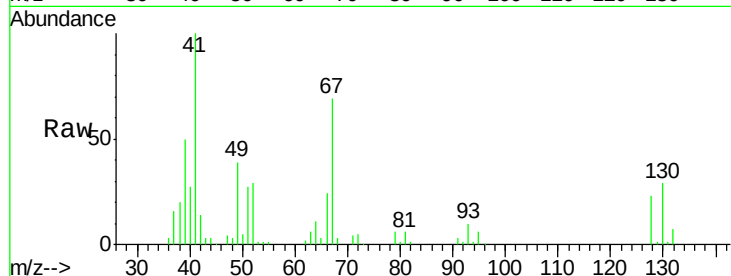
#41
Methacrylonitrile
Concen: 18.980 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion:	41	Resp:	89800
Ion	Ratio	Lower	Upper
41	100		
39	62.2	50.9	76.3
67	87.3	63.6	95.4
52	36.1	24.4	36.6

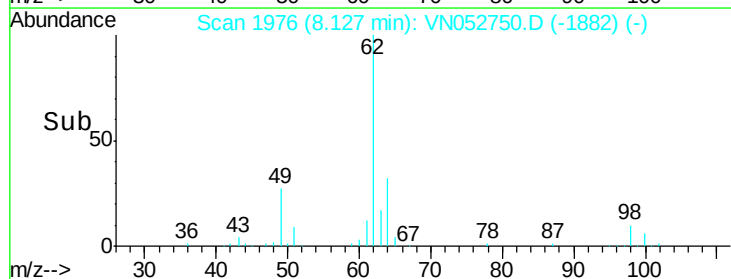
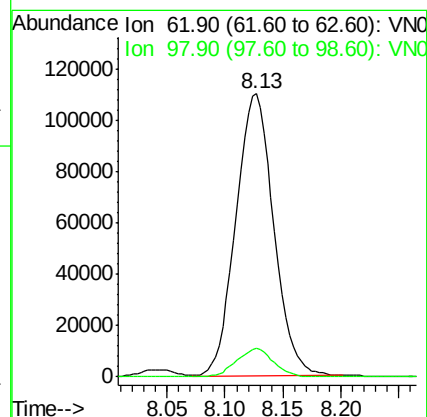
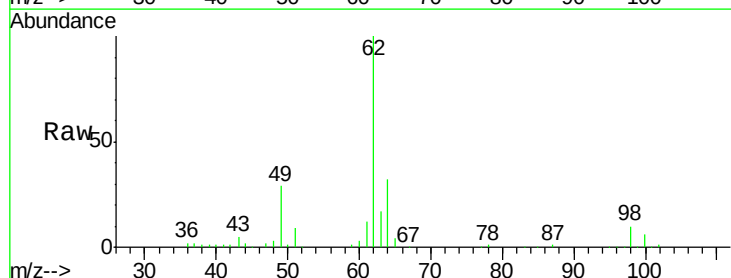
Manual Integrations
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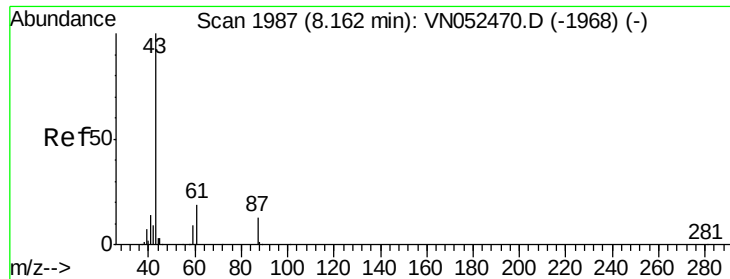
MMDadoda
12/11/2018 12:45:55 PM



#42
1,2-Dichloroethane
Concen: 19.500 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion:	62	Resp:	249513
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.828 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

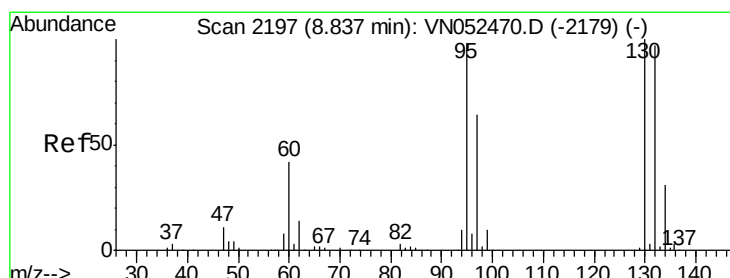
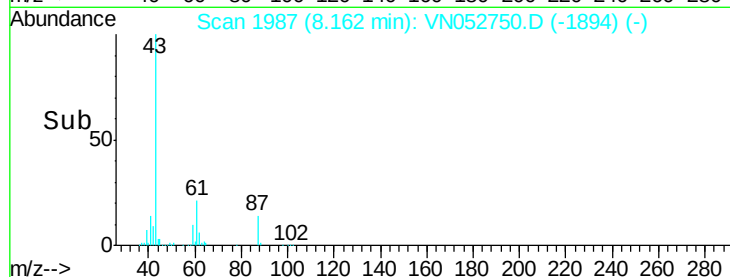
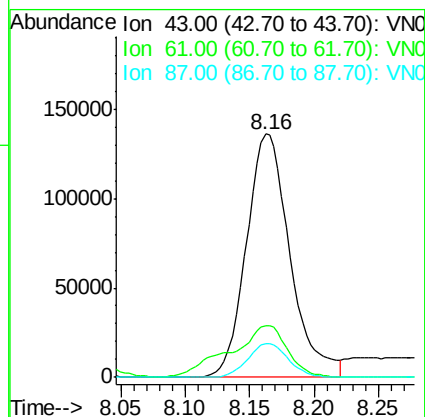
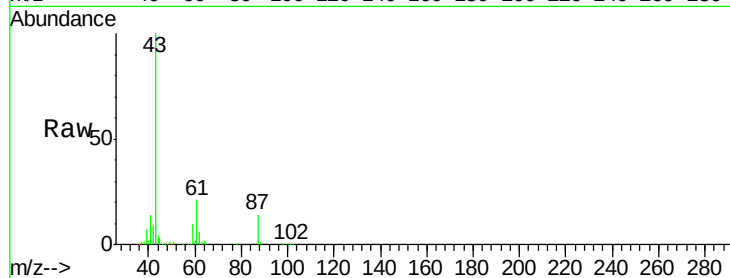
ClientSampleId :

VN1210WBSD02

Tot Ion:	43	Resp:	319678
Ion	Ratio	Lower	Upper
43	100		
61	27.9	24.1	36.1
87	12.9	10.6	15.8

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#44

Trichloroethene

Concen: 20.122 ug/l

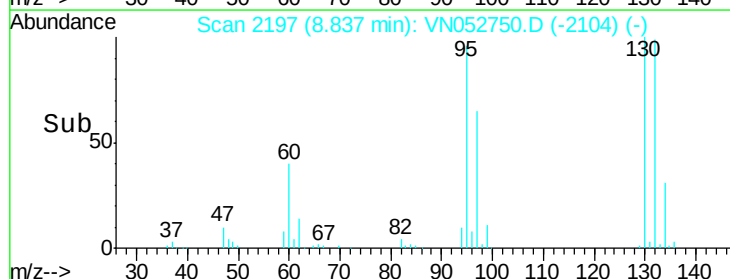
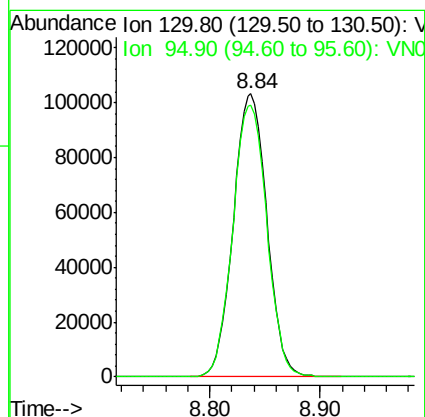
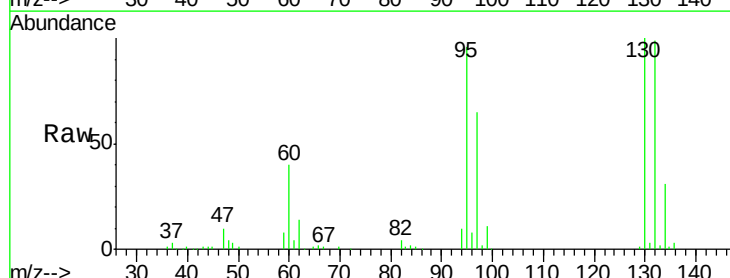
RT: 8.84 min Scan# 2197

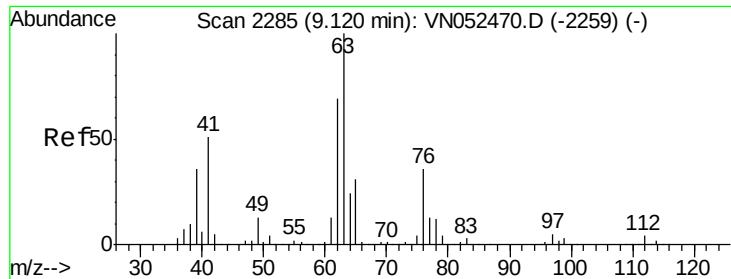
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	130	Resp:	217813
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	195.6





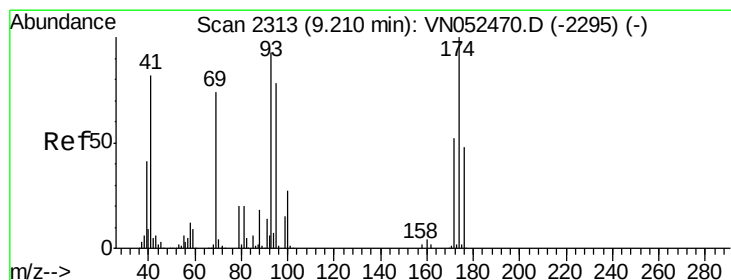
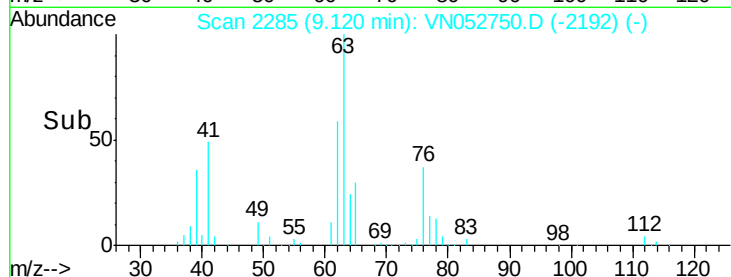
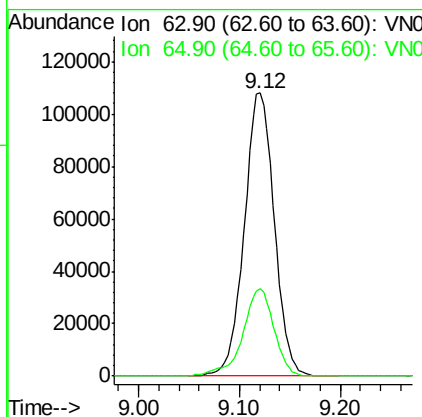
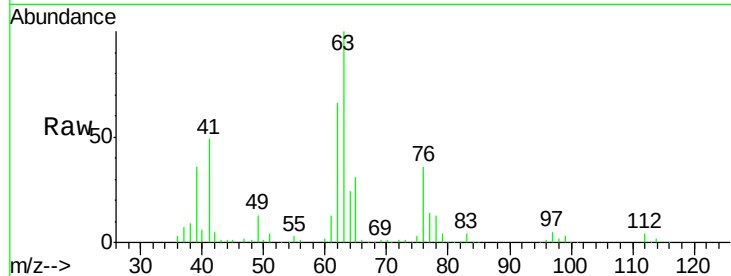
#45
 1,2-Dichloropropane
 Concen: 19.744 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.6

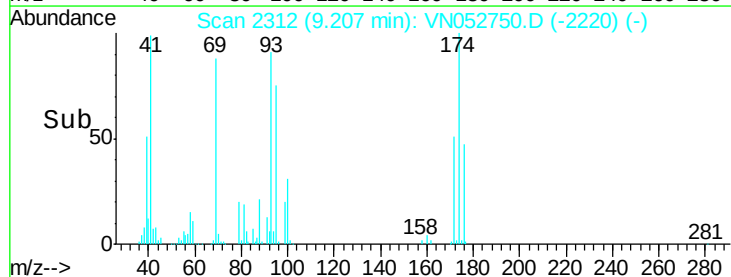
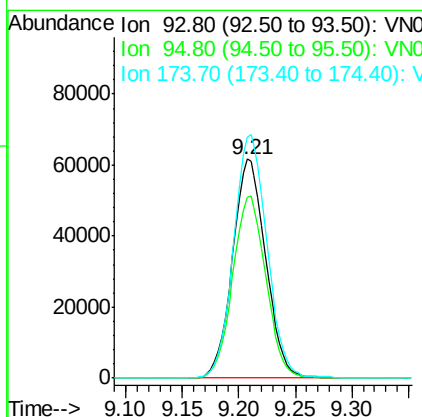
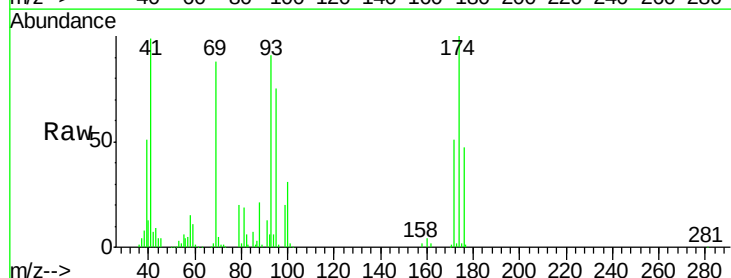
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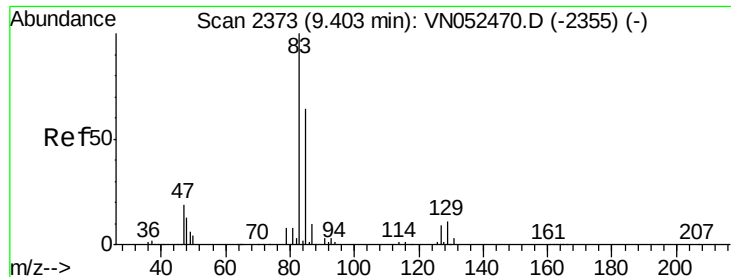
MMDadoda
 12/11/2018 12:45:55 PM



#46
 Dibromomethane
 Concen: 20.296 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.1	100.7
174	111.6	85.8	128.8





#47

Bromodichloromethane

Concen: 20.009 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

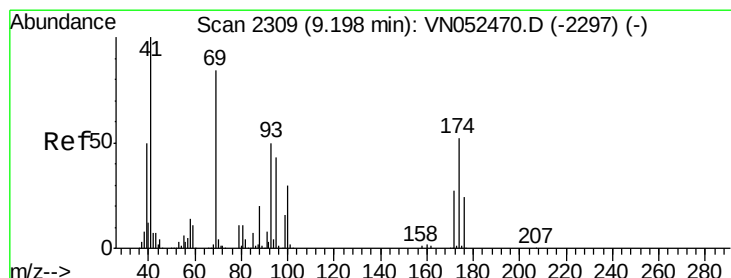
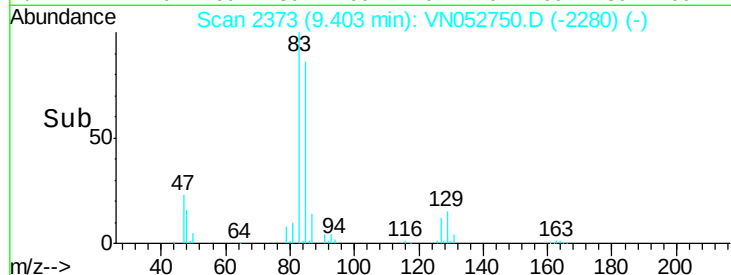
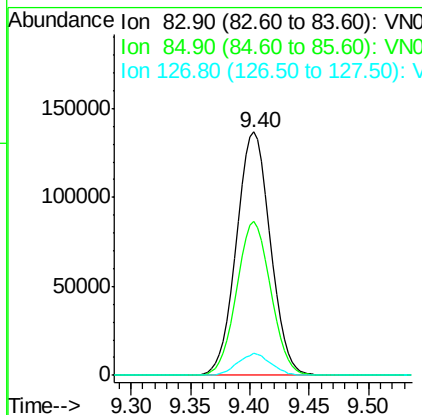
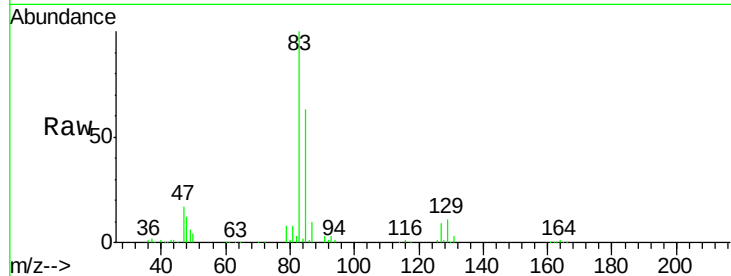
ClientSampleId :

VN1210WBSD02

Tot Ion:	83	Resp:	270565
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.3	76.9
127	8.9	6.9	10.3

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MMDadoda
12/11/2018 12:45:55 PM



#48

Methyl methacrylate

Concen: 19.911 ug/l

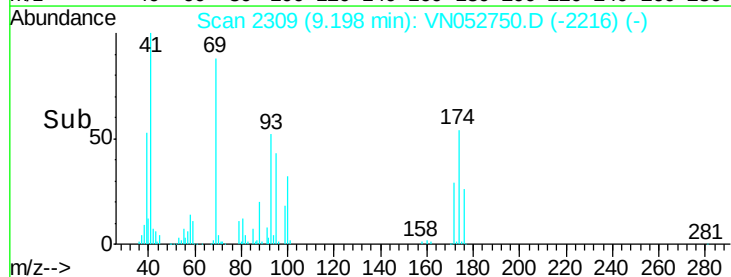
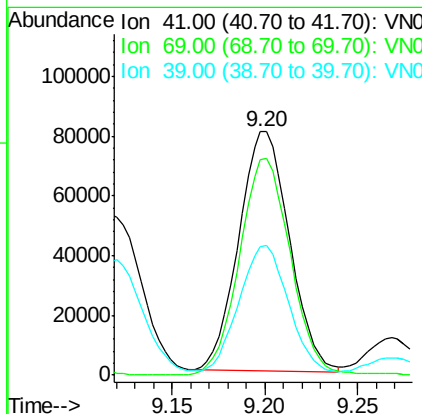
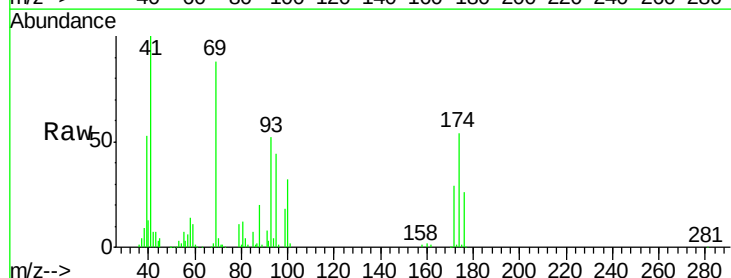
RT: 9.20 min Scan# 2309

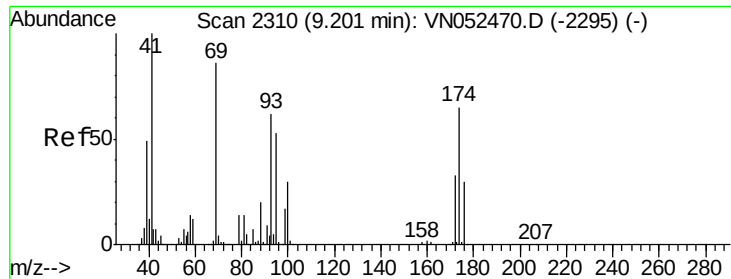
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	41	Resp:	152046
Ion Ratio	Lower	Upper	
41	100		
69	91.2	70.0	105.0
39	53.9	42.6	64.0





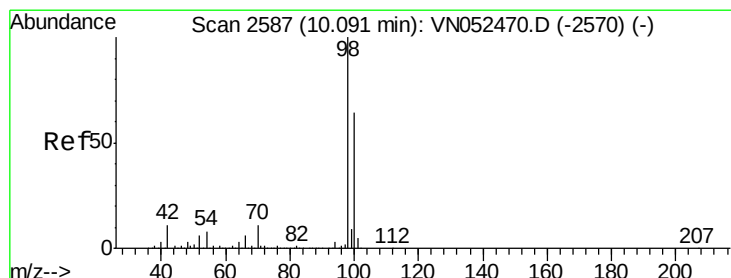
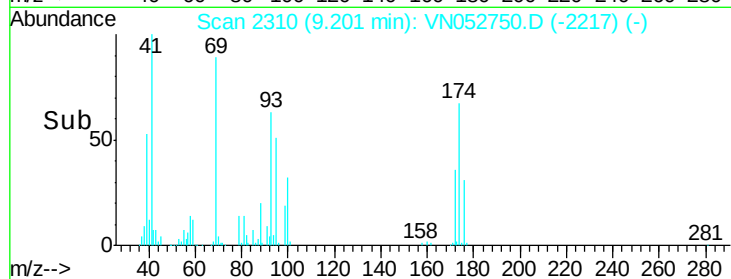
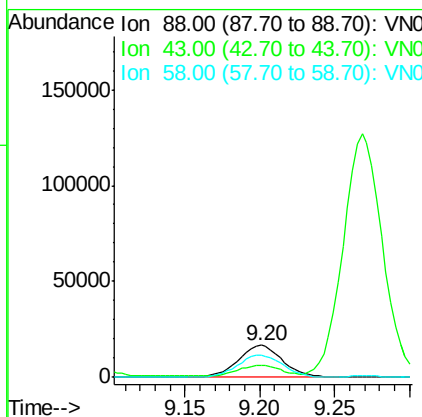
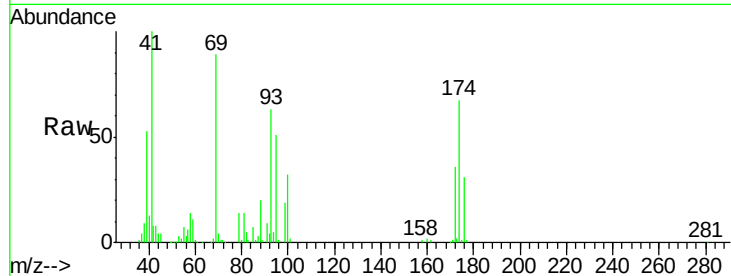
#49
1,4-Dioxane
Concen: 428.491 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	88	Resp	33959
Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.4	39.6
58	71.7	55.4	83.0

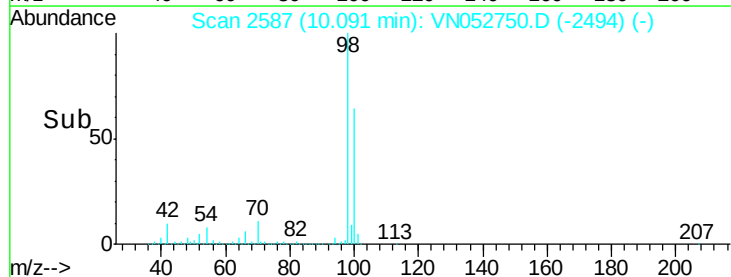
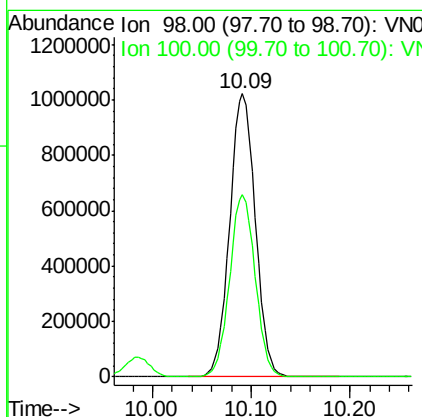
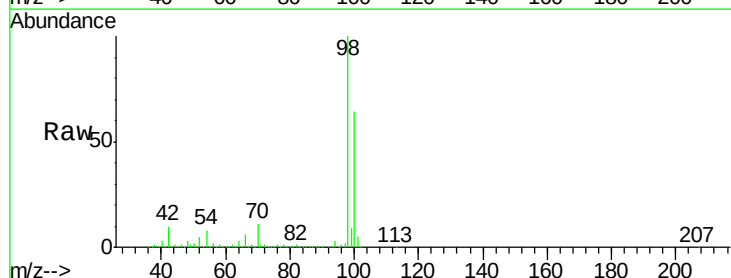
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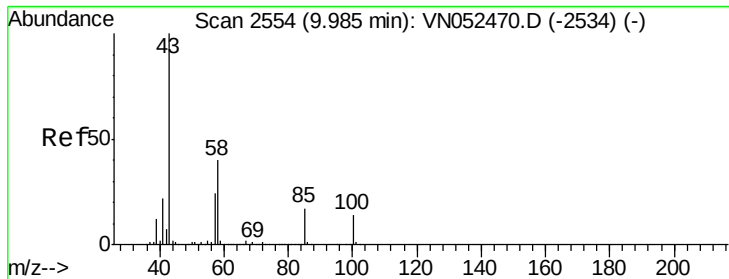
MMDadoda
12/11/2018 12:45:55 PM



#50
Toluene-d8
Concen: 428.491 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	98	Resp	1858313
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 105.439 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 43 Resp: 866389

Ion Ratio Lower Upper

43 100

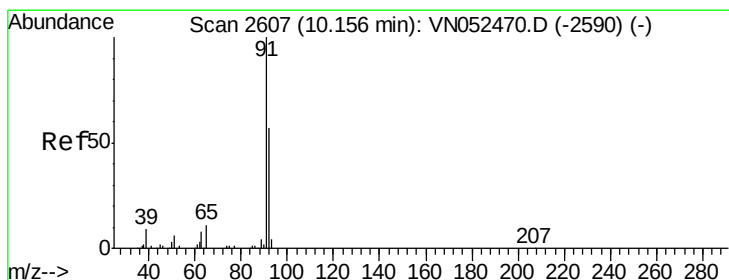
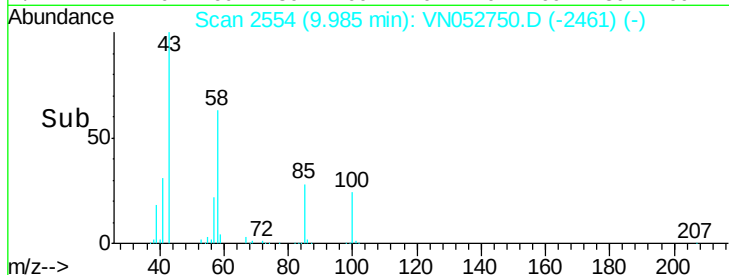
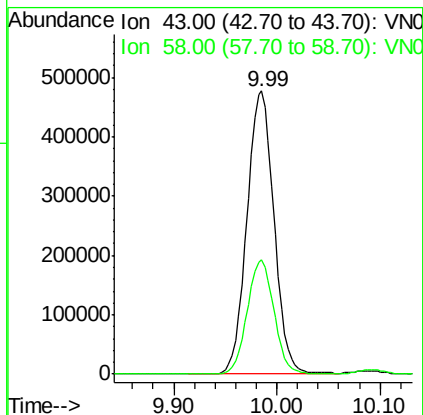
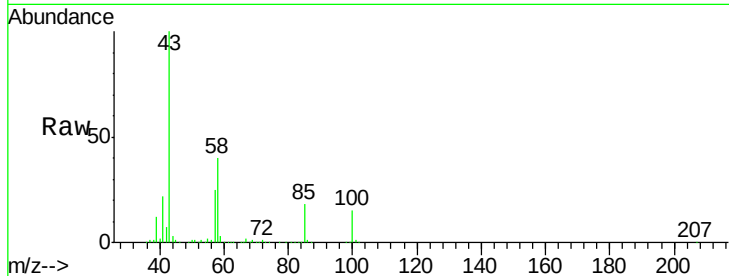
58 40.0 31.5 47.3

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#52

Toluene

Concen: 19.695 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052750.D

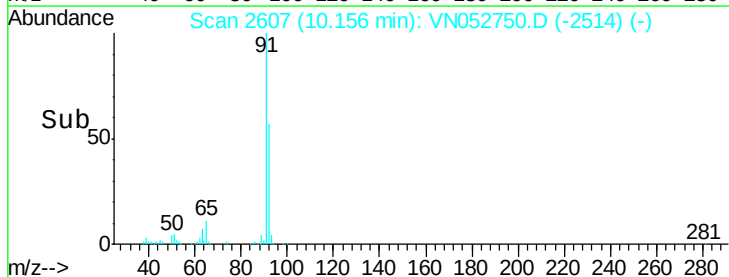
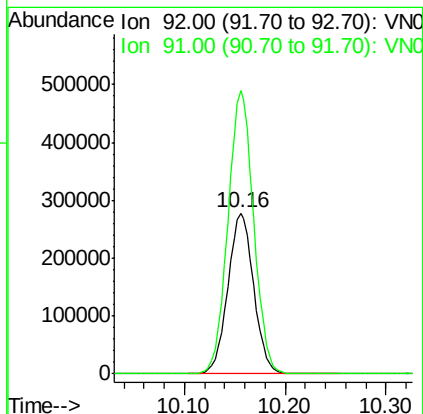
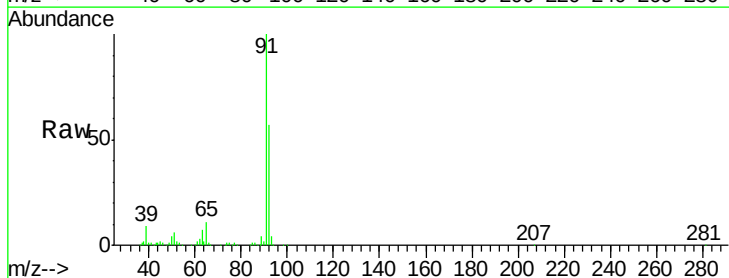
Acq: 10 Dec 2018 13:50

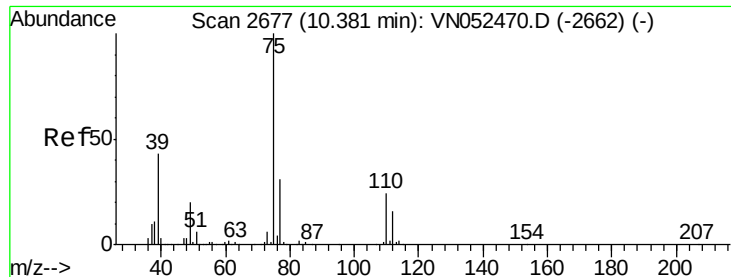
Tgt Ion: 92 Resp: 494493

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.4





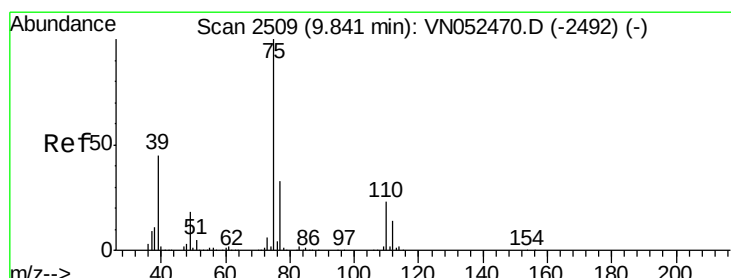
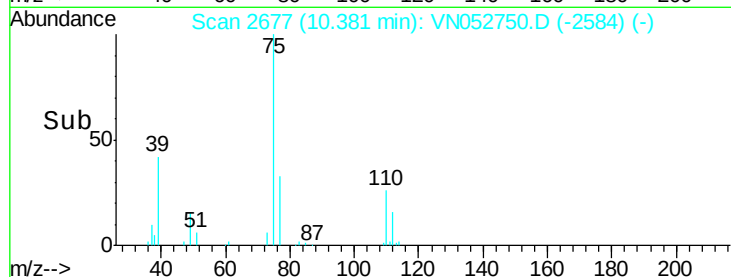
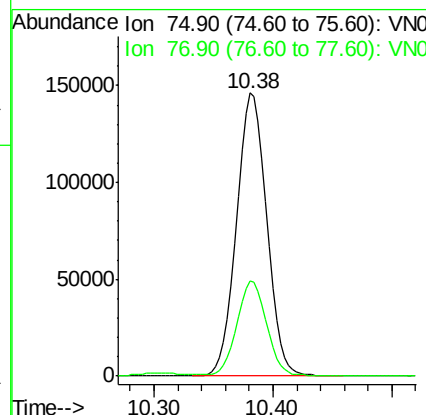
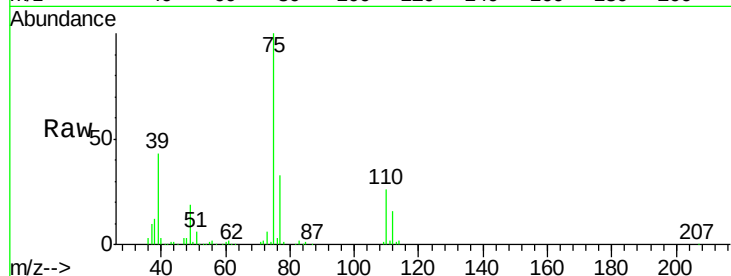
#53
t-1,3-Dichloropropene
Concen: 19.839 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.0	37.4

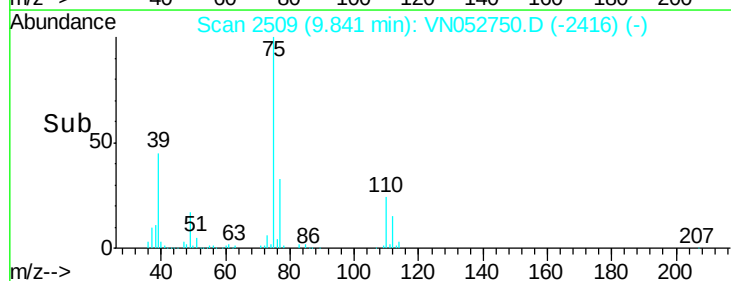
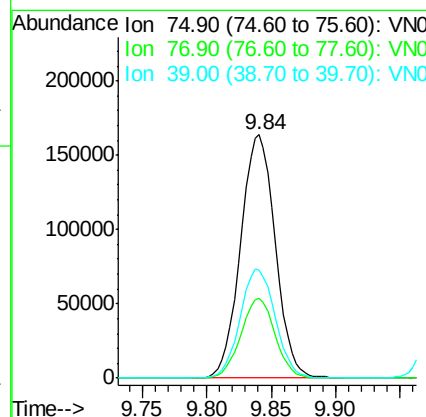
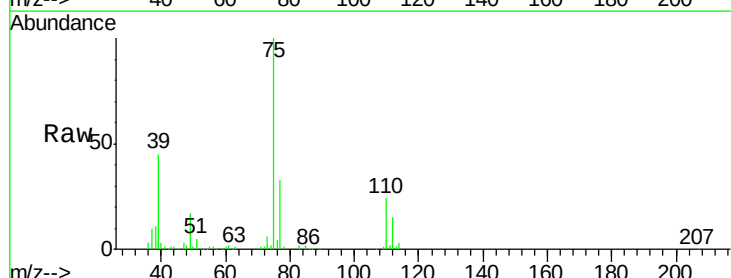
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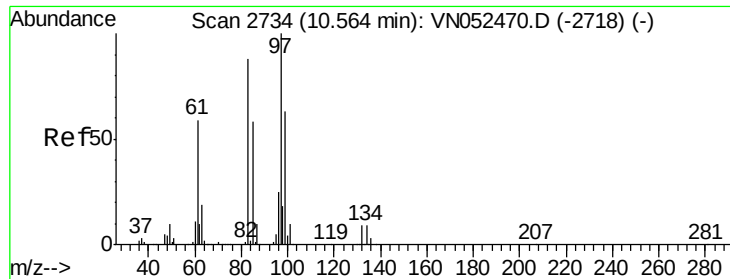
MMDadoda
12/11/2018 12:45:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.702 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.2
39	44.4	36.0	54.0





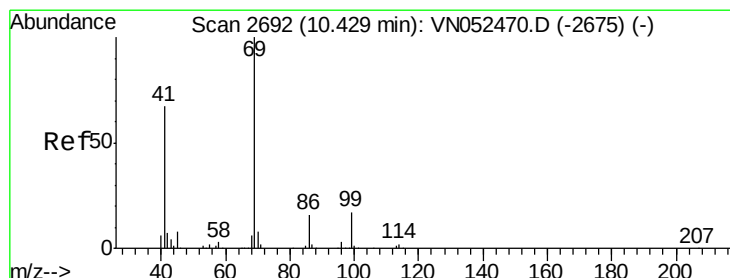
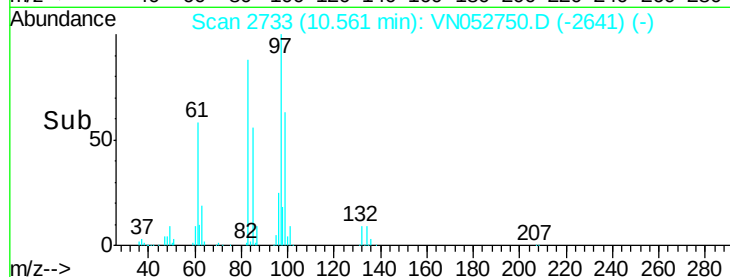
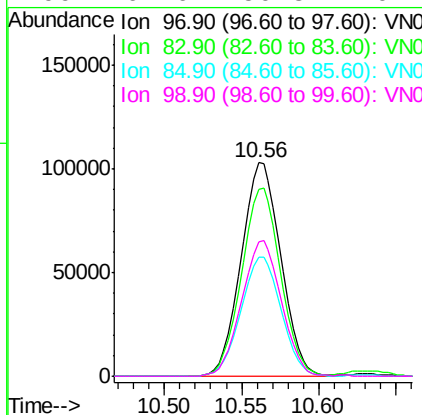
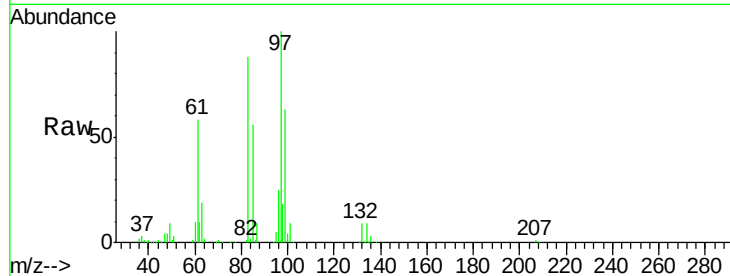
#55
 1,1,2-Trichloroethane
 Concen: 20.873 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		184342		
83	87.7	70.7	106.1		
85	55.7	46.1	69.1		
99	62.6	50.8	76.2		

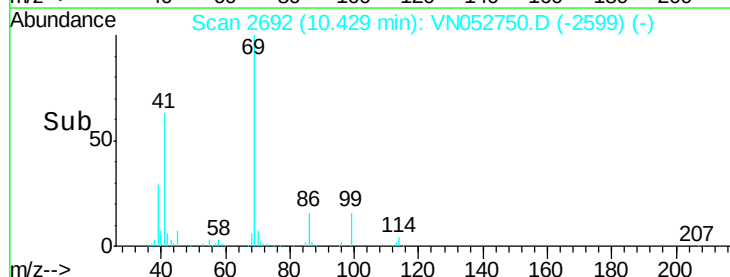
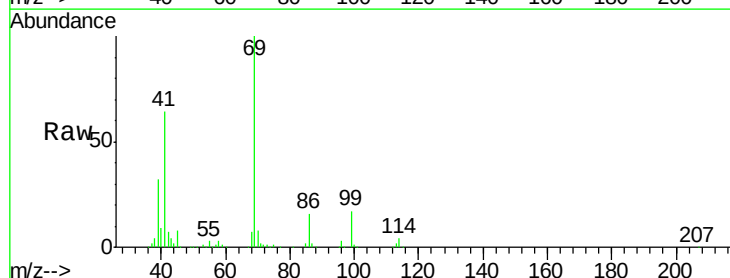
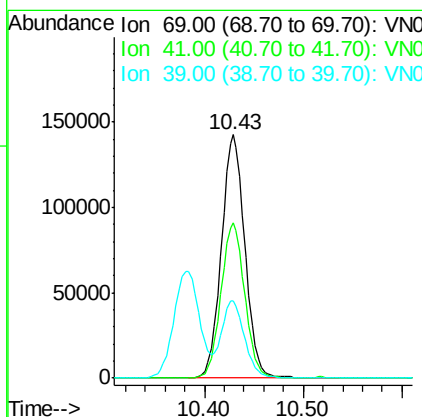
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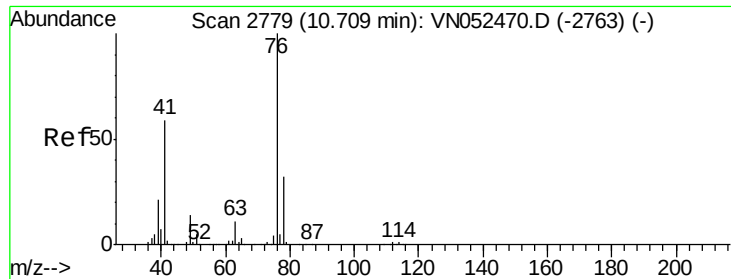
MMDadoda
 12/11/2018 12:45:55 PM



#56
 Ethyl methacrylate
 Concen: 21.098 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		238561		
41	63.6	52.6	79.0		
39	31.2	25.9	38.9		





#57

1,3-Dichloropropane

Concen: 20.120 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 76 Resp: 313760

Ion Ratio Lower Upper

76 100

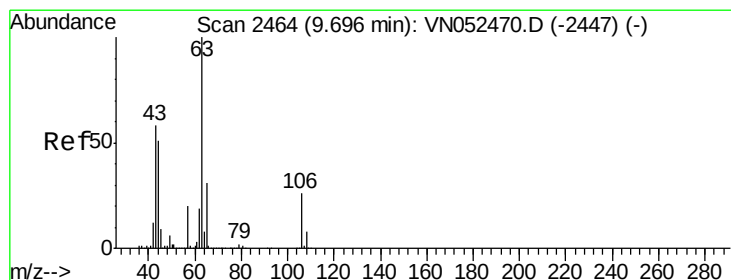
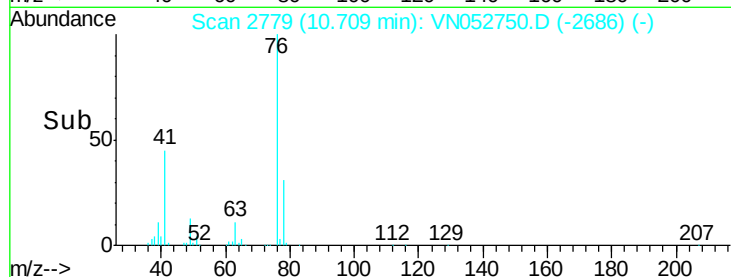
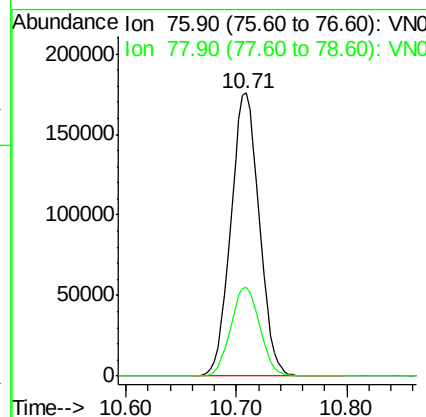
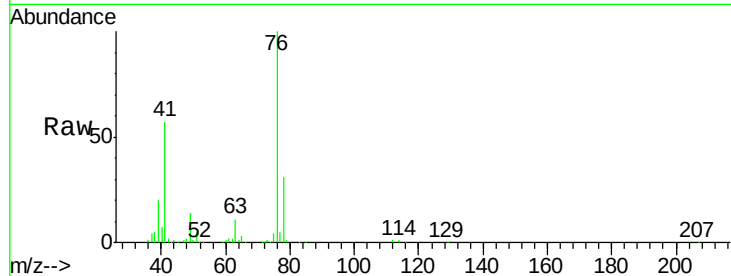
78 32.3 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.937 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052750.D

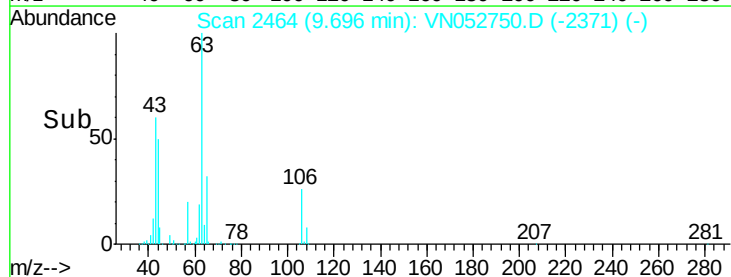
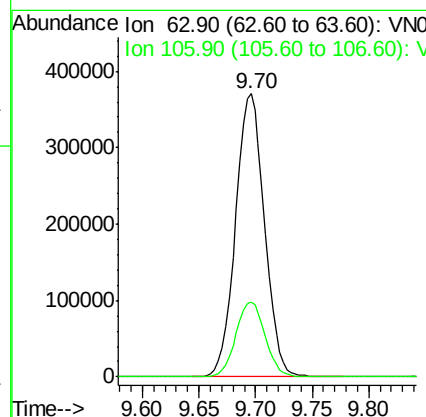
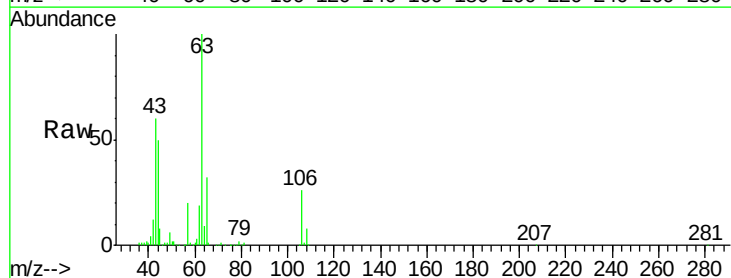
Acq: 10 Dec 2018 13:50

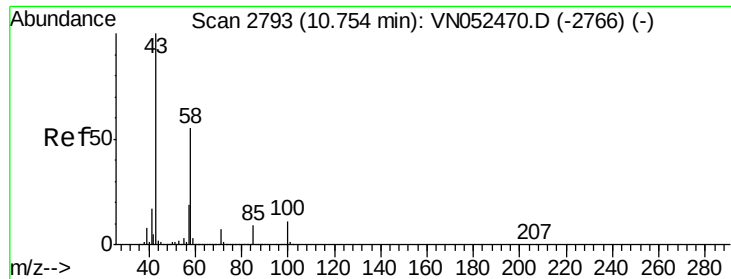
Tgt Ion: 63 Resp: 659685

Ion Ratio Lower Upper

63 100

106 26.7 20.6 30.8





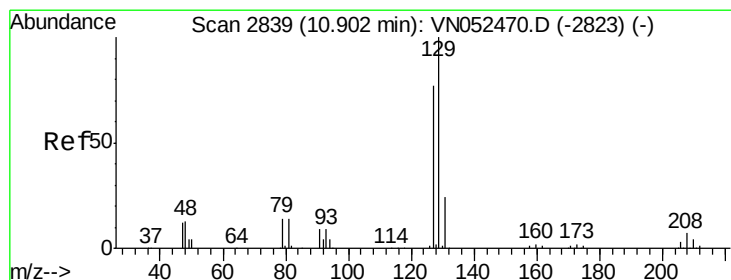
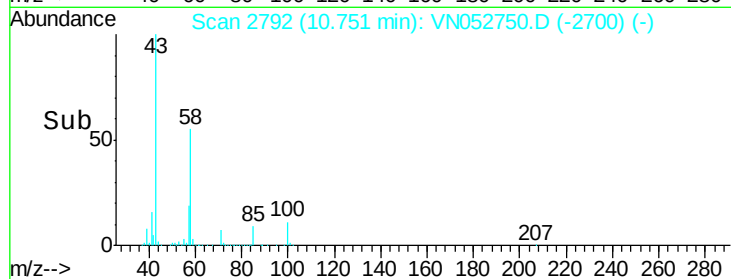
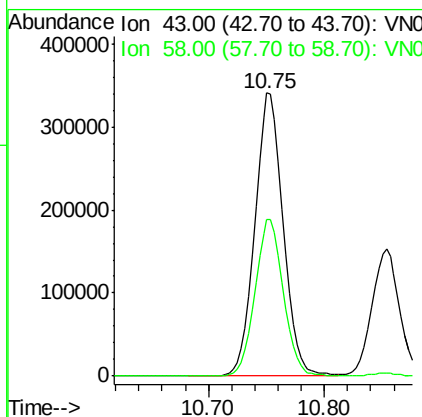
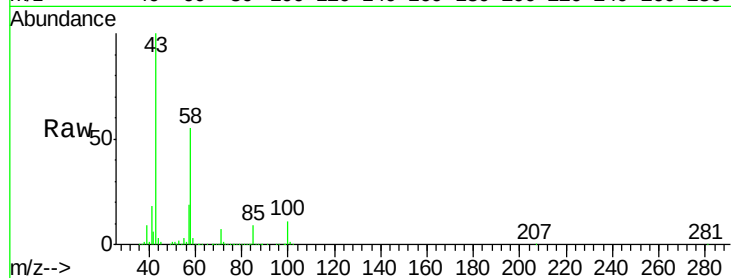
#59
2-Hexanone
Concen: 104.877 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.4	82.0

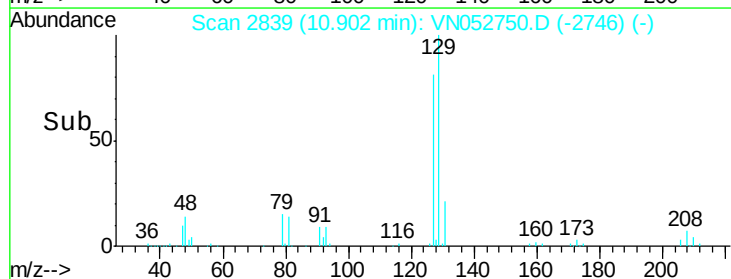
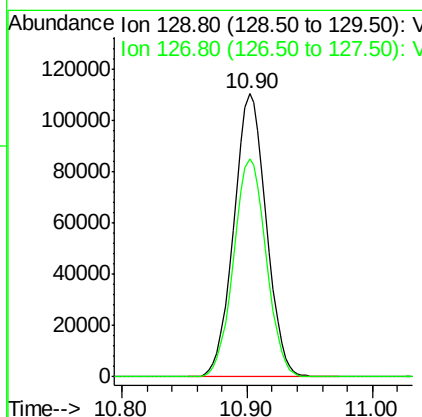
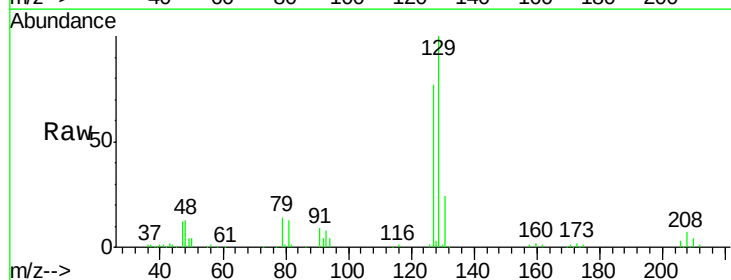
Manual Integrations
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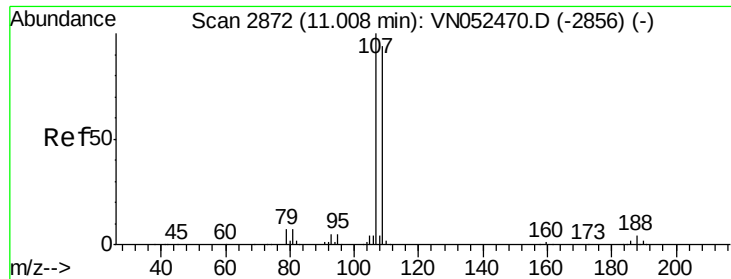
MMDadoda
12/11/2018 12:45:55 PM



#60
Dibromochloromethane
Concen: 20.613 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.6





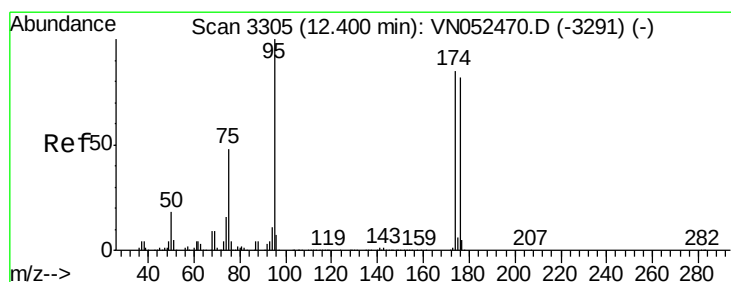
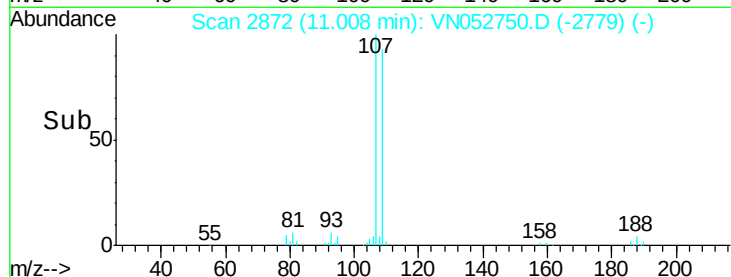
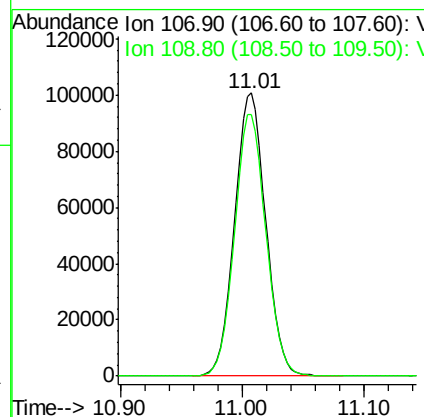
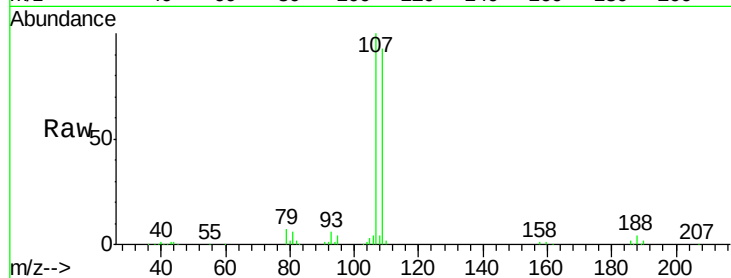
#61
 1,2-Dibromoethane
 Concen: 20.342 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4

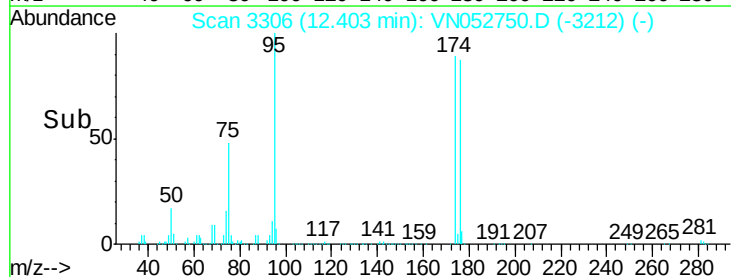
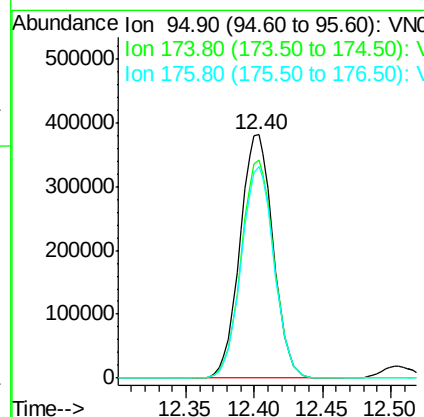
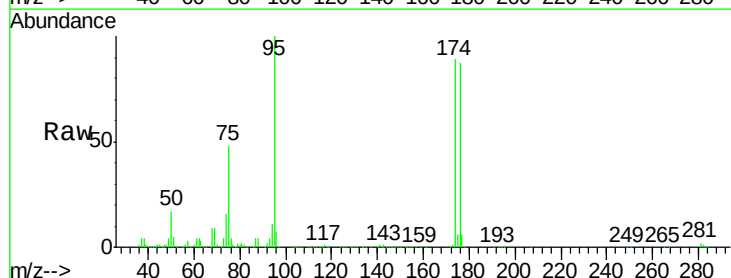
Manual Integrations
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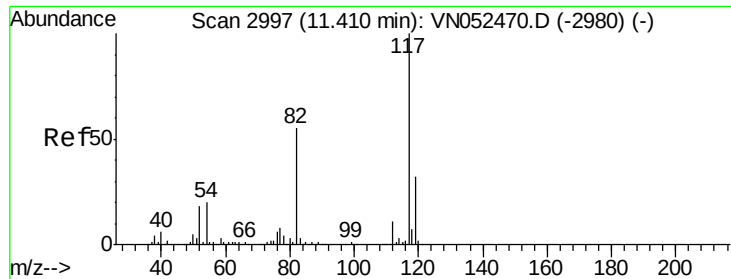
MMDadoda
 12/11/2018 12:45:55 PM



#62
 4-Bromofluorobenzene
 Concen: 20.342 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	173.0
176	85.9	0.0	166.2





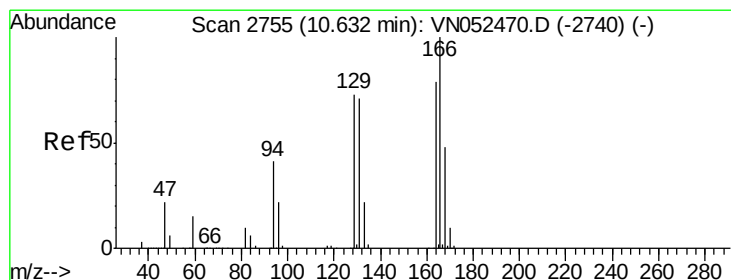
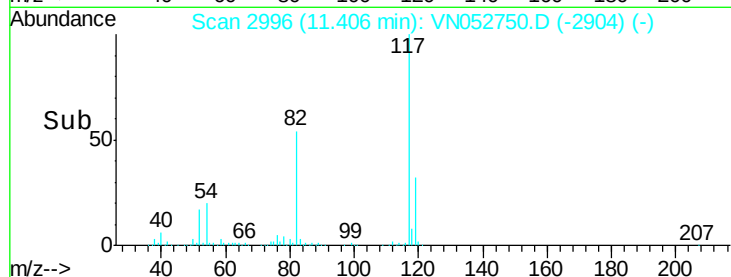
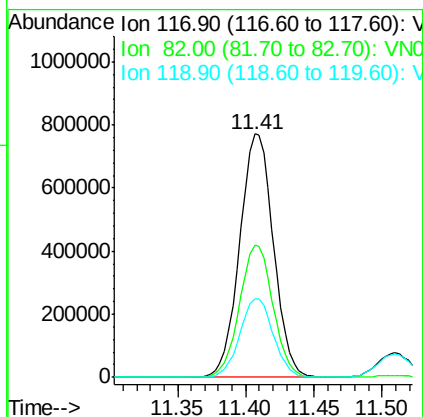
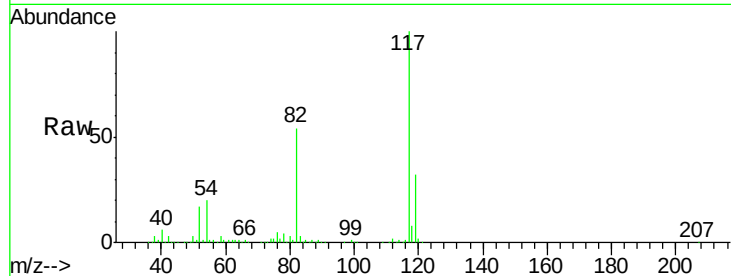
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.6	65.4
119	32.5	25.4	38.2

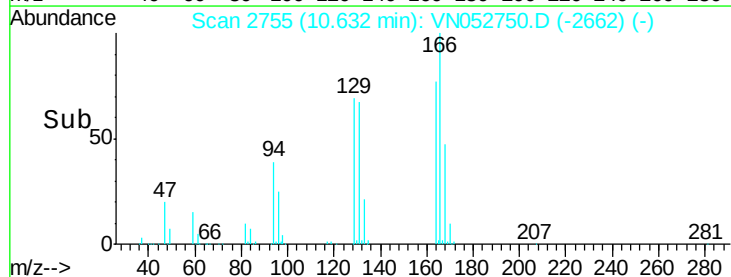
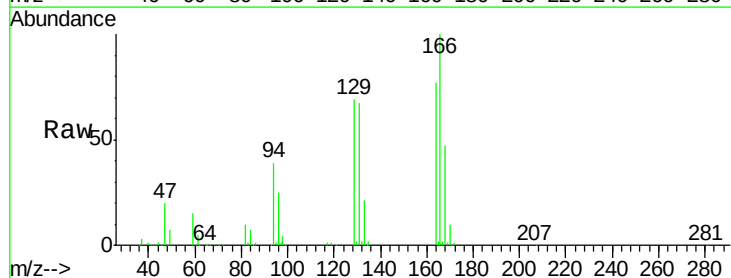
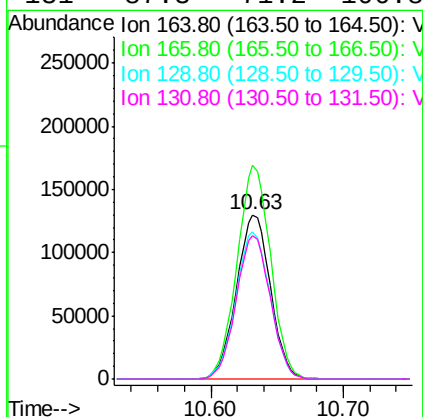
Manual Integrations
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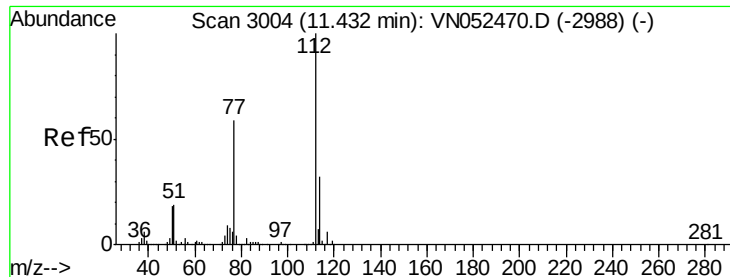
MMDadoda
12/11/2018 12:45:55 PM



#64
Tetrachloroethene
Concen: 22.491 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.4
129	89.8	73.8	110.6
131	87.3	71.2	106.8





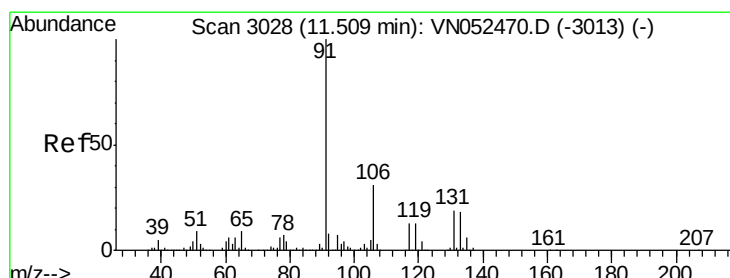
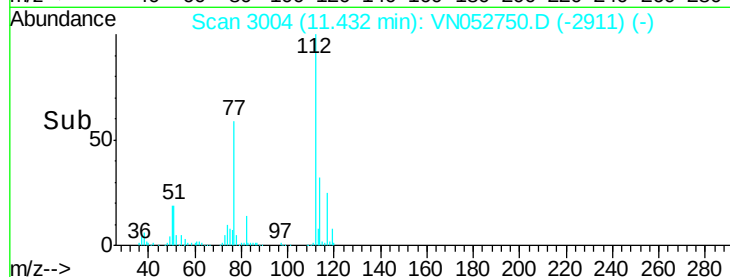
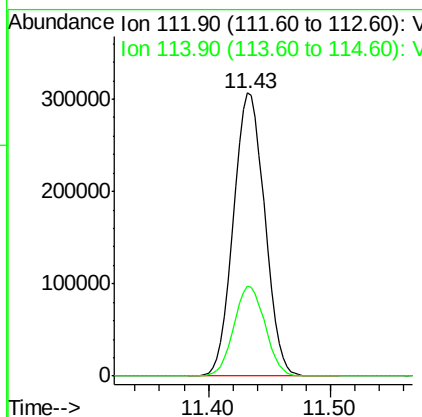
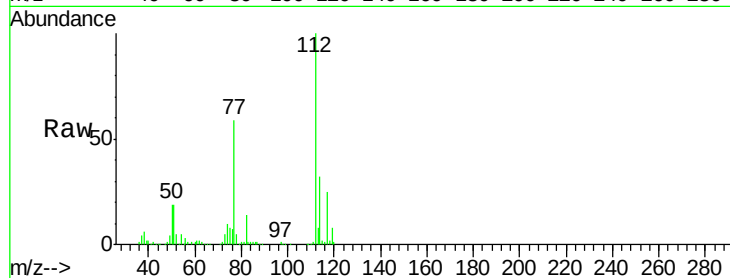
#65
Chlorobenzene
Concen: 19.965 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

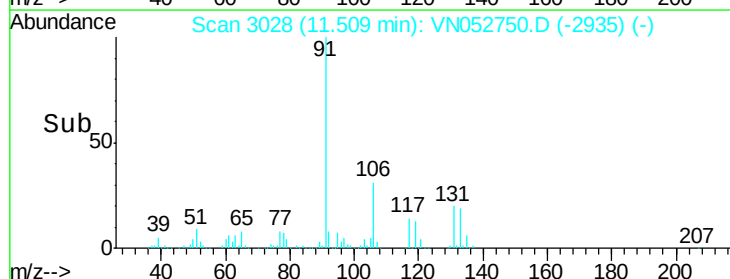
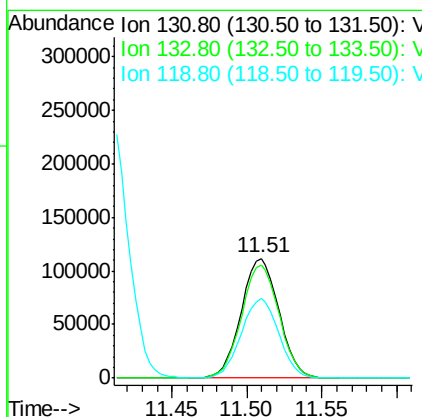
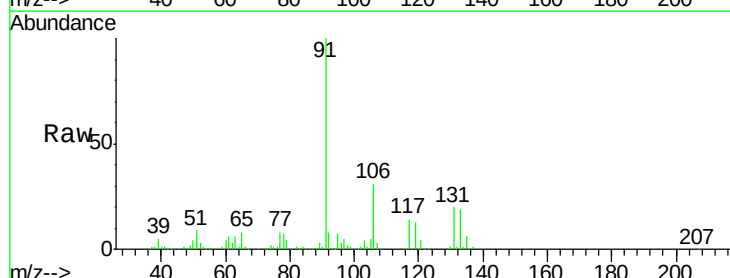
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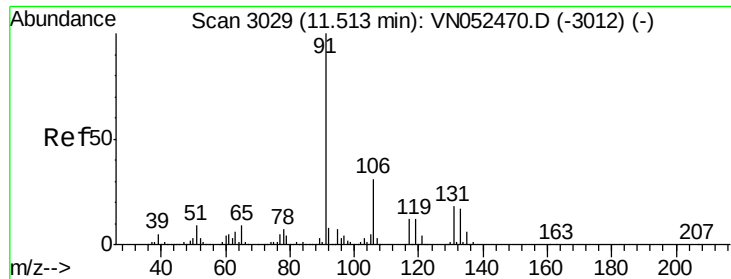
MMDadoda
12/11/2018 12:45:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.640 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.6	142.8
119	66.2	33.2	99.6





#67

Ethyl Benzene

Concen: 19.601 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 91 Resp: 937275

Ion Ratio Lower Upper

91 100

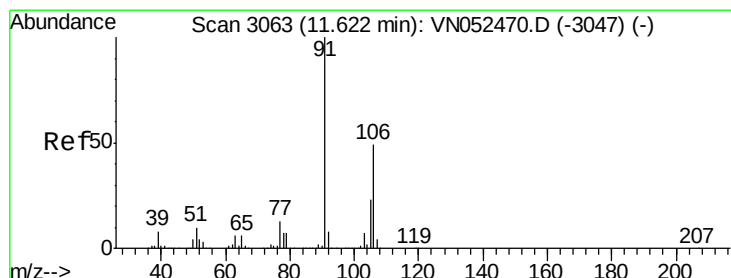
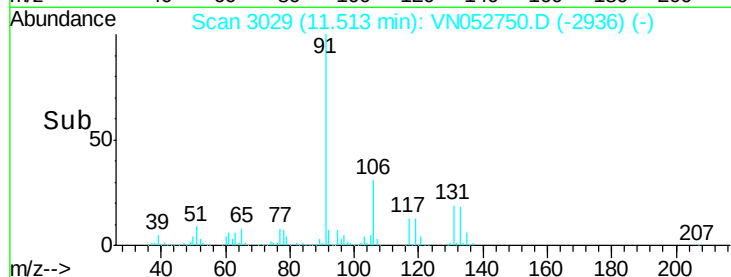
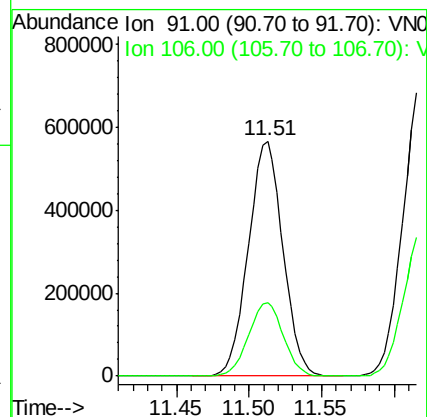
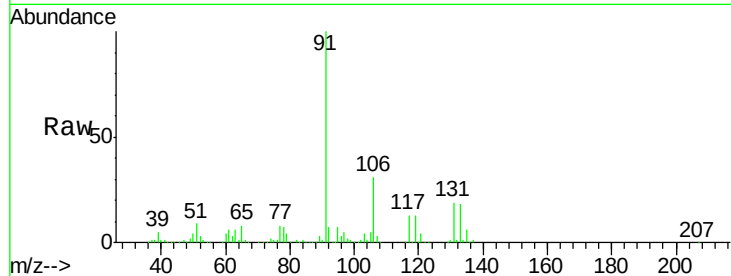
106 31.2 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.758 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052750.D

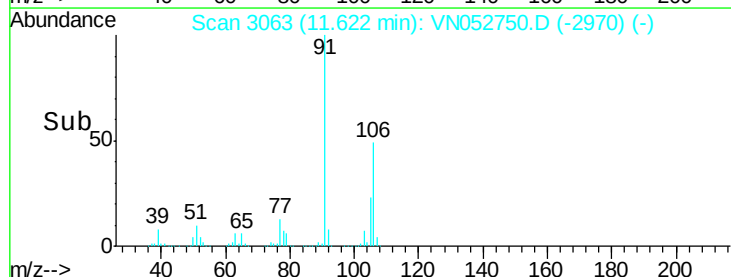
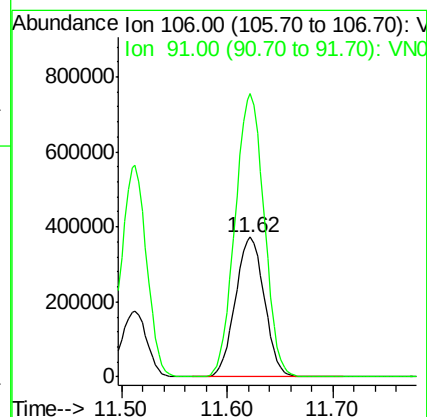
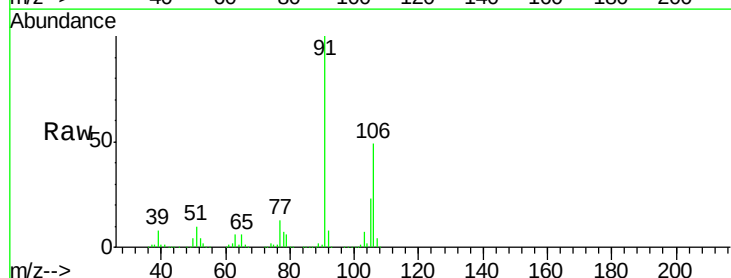
Acq: 10 Dec 2018 13:50

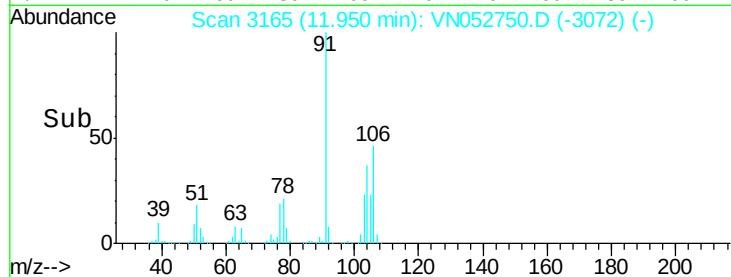
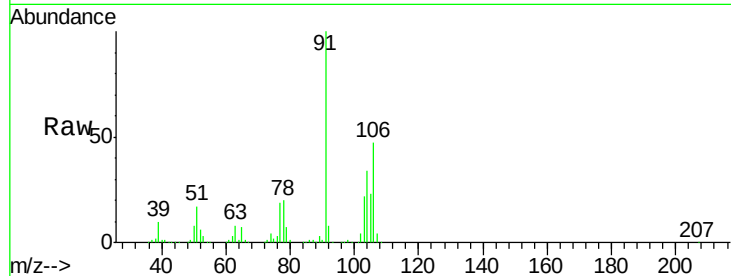
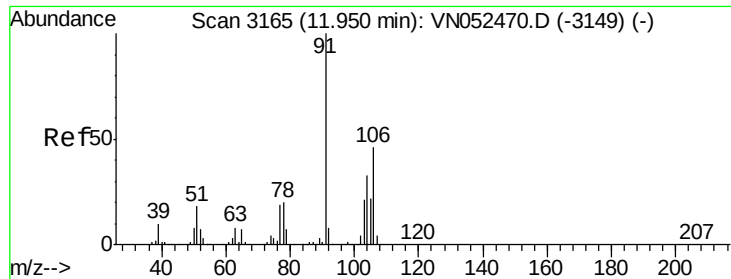
Tgt Ion: 106 Resp: 707722

Ion Ratio Lower Upper

106 100

91 203.2 163.2 244.8





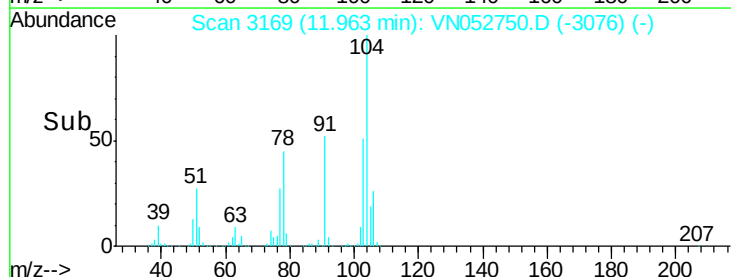
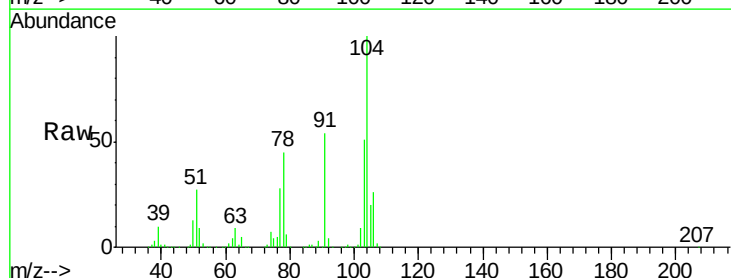
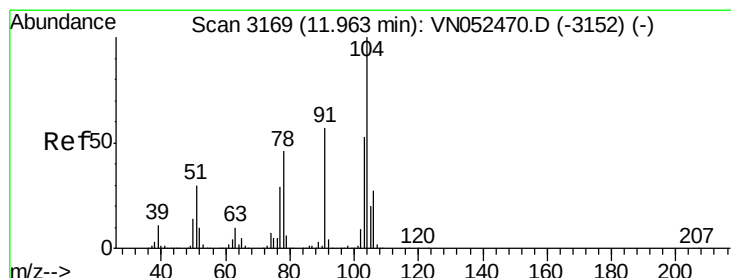
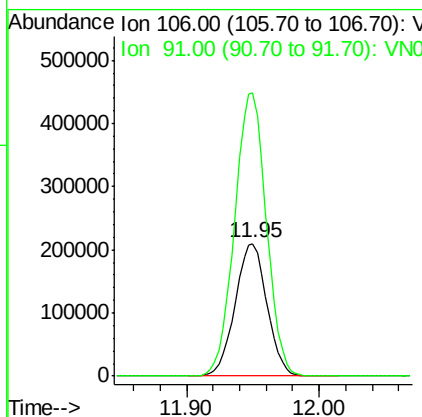
#69
o-Xylene
Concen: 20.158 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tot Ion:106 Resp: 348462
Ion Ratio Lower Upper
106 100
91 213.5 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

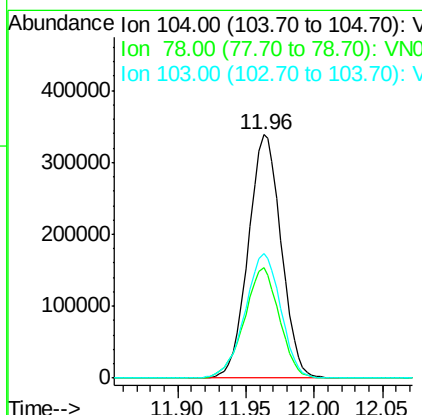
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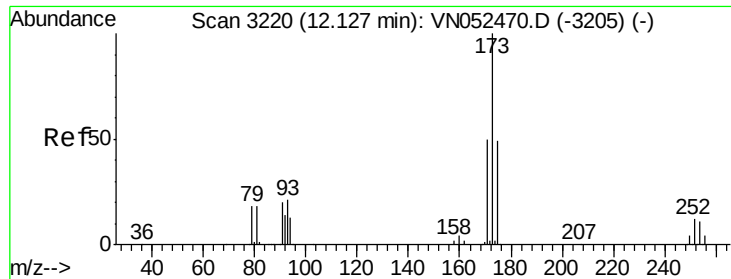
MMDadoda
12/11/2018 12:45:55 PM



#70
Styrene
Concen: 20.569 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion:104 Resp: 566314
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.2
103 55.7 44.9 67.3





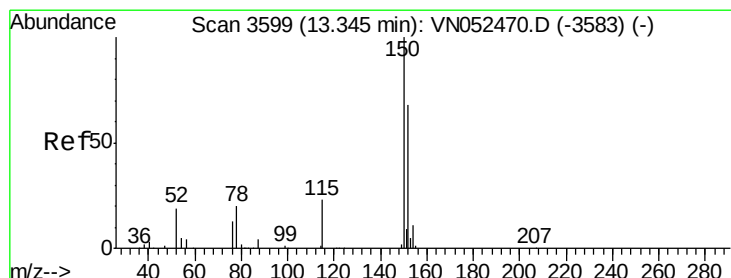
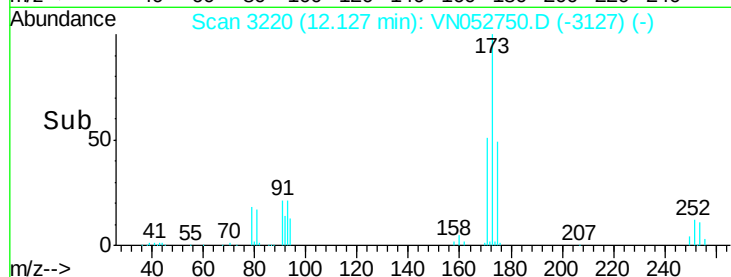
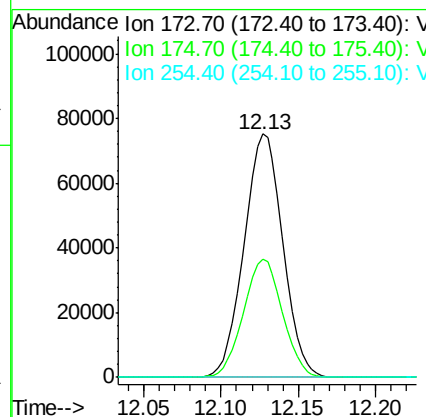
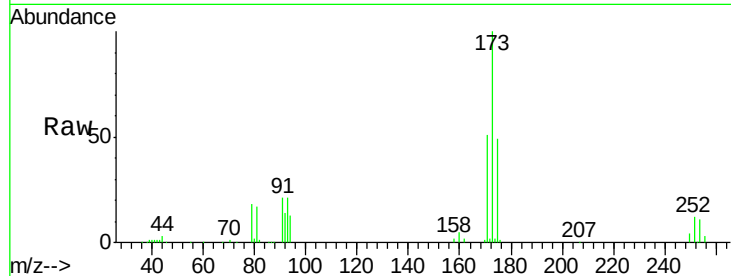
#71
Bromoform
Concen: 20.871 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.1	0.1#

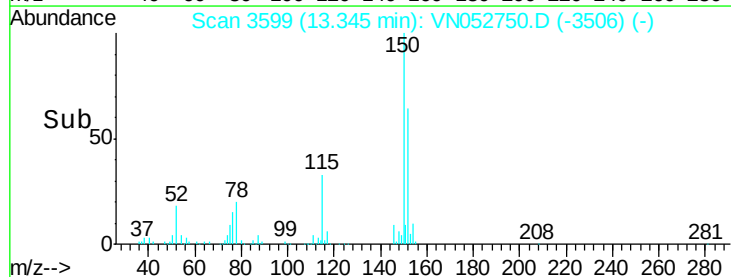
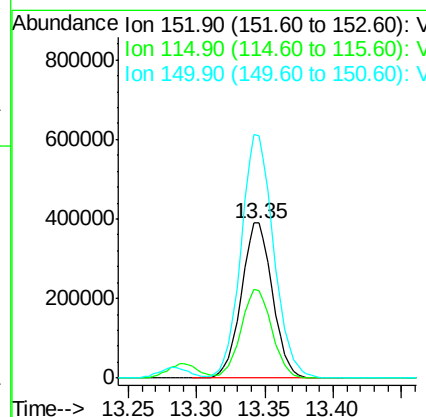
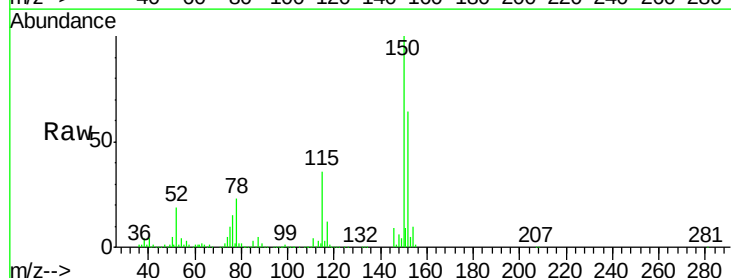
Manual Integrations
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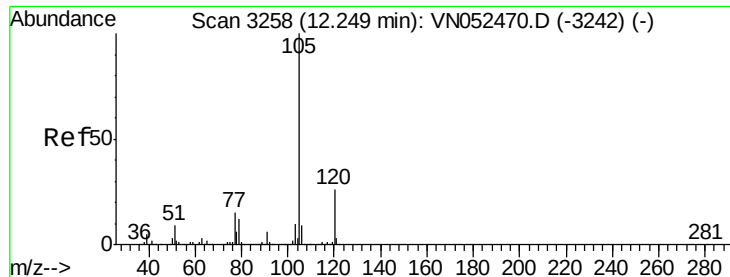
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	164.5	0.0	346.0





#73

Isopropylbenzene

Concen: 19.289 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 105 Resp: 933379

Ion Ratio Lower Upper

105 100

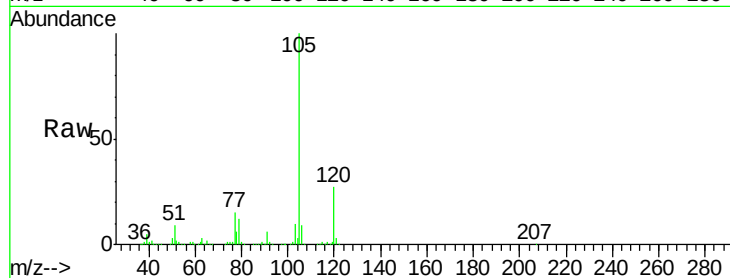
120 26.3 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

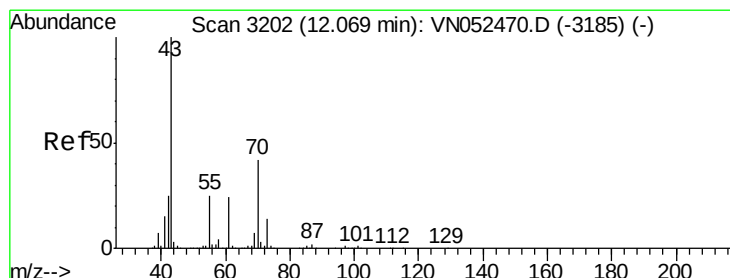
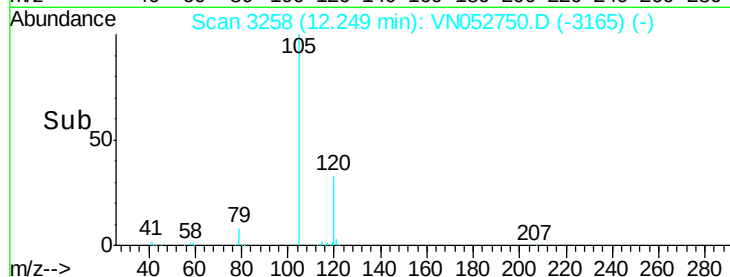
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.308 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion: 43 Resp: 260490

Ion Ratio Lower Upper

43 100

70 43.6 33.8 50.8

55 25.2 20.0 30.0

61 24.6 19.7 29.5

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

12.07

250000

200000

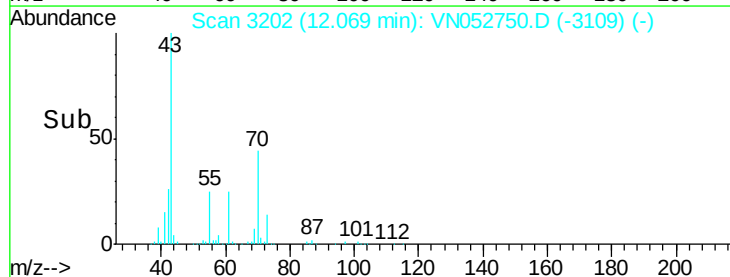
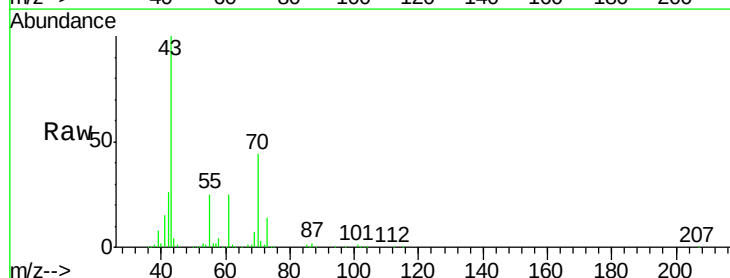
150000

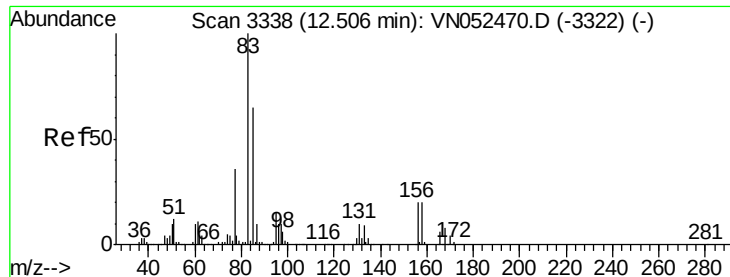
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.158 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 83 Resp: 210890

Ion Ratio Lower Upper

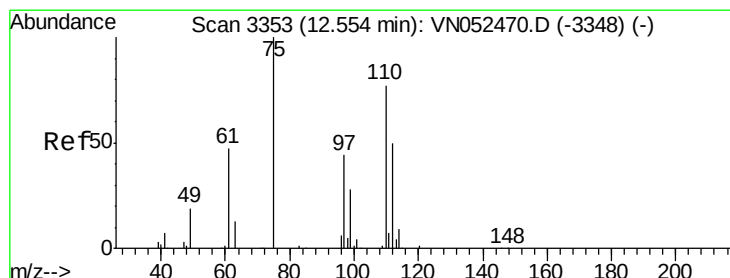
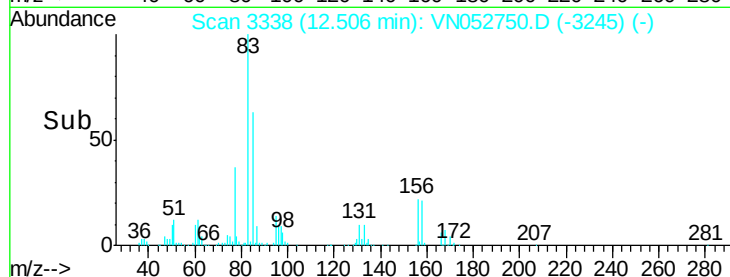
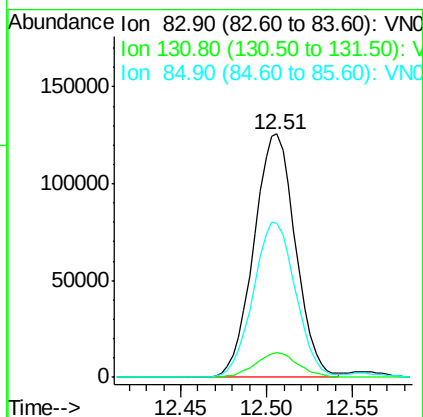
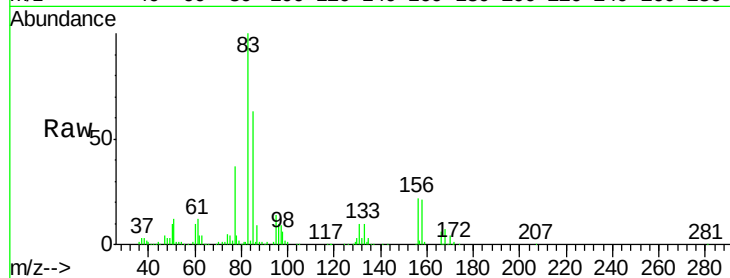
83 100

131 10.4 5.0 15.0

85 64.8 31.9 95.9

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#76

1,2,3-Trichloropropane

Concen: 19.140 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052750.D

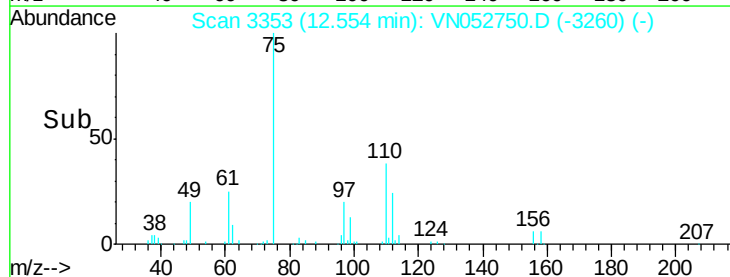
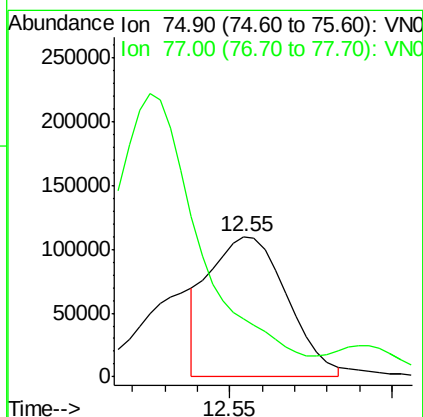
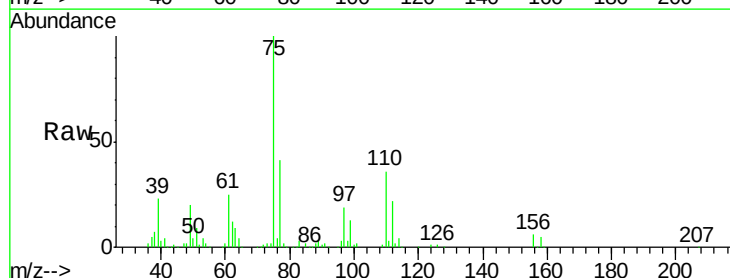
Acq: 10 Dec 2018 13:50

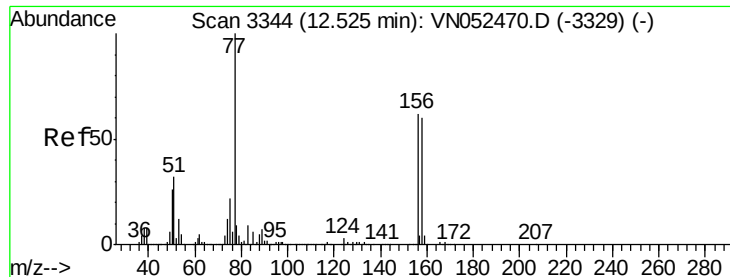
Tgt Ion: 75 Resp: 182037

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





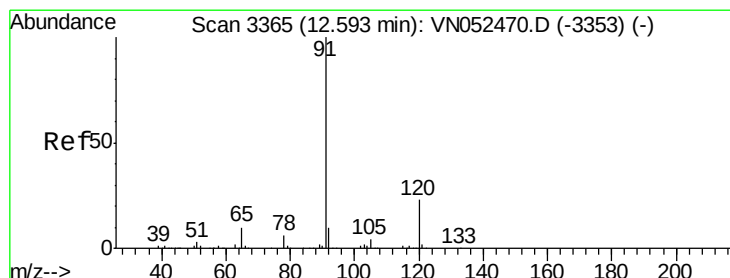
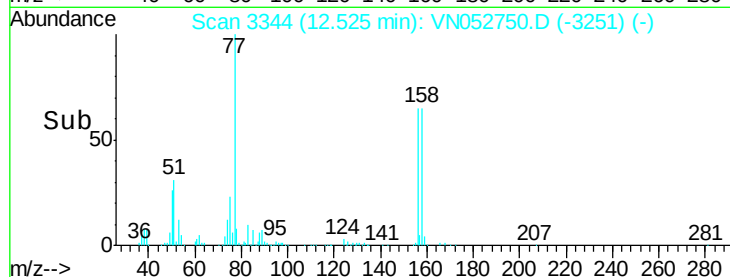
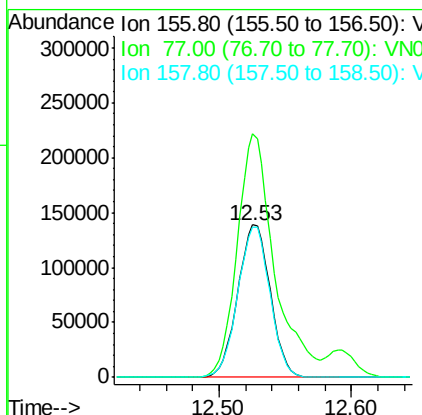
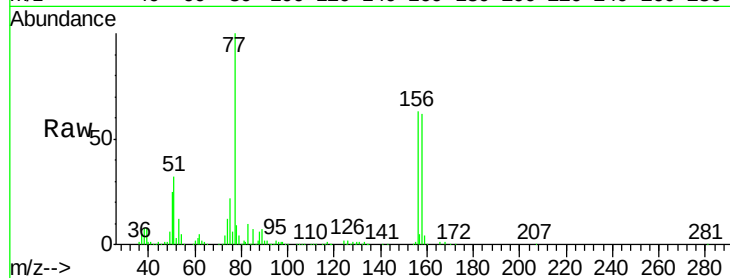
#77
Bromobenzene
Concen: 19.786 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.0	93.5	280.4
158	97.9	48.3	144.9

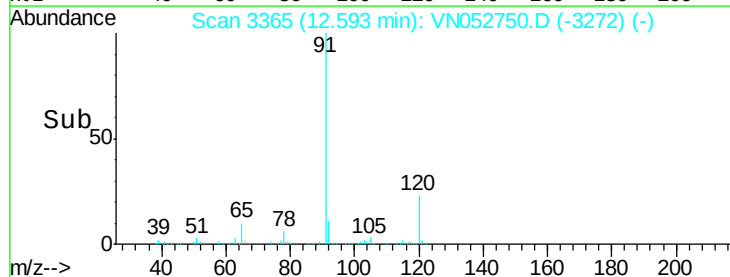
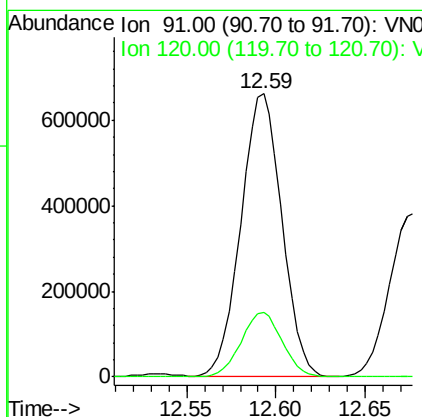
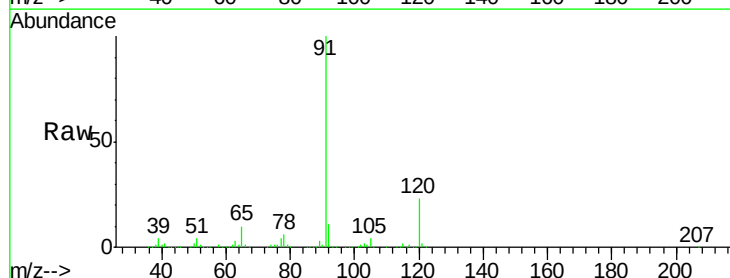
Manual Integrations
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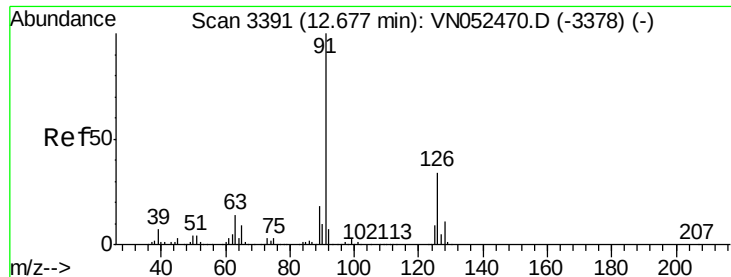
MMDadoda
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#78
n-propylbenzene
Concen: 19.293 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.115 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 91 Resp: 625758

Ion Ratio Lower Upper

91 100

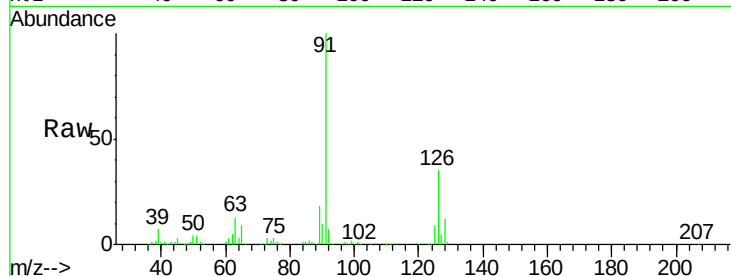
126 35.0 17.2 51.6

Manual Integrations

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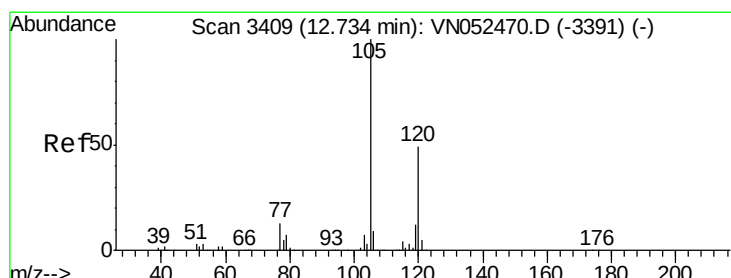
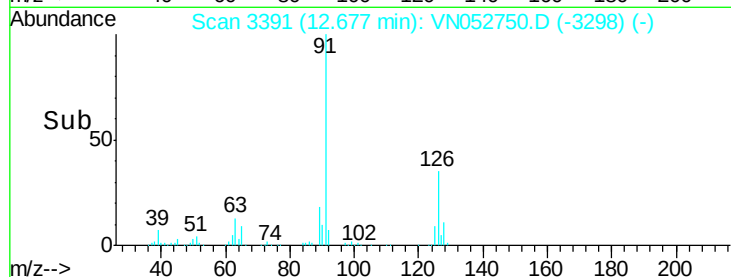
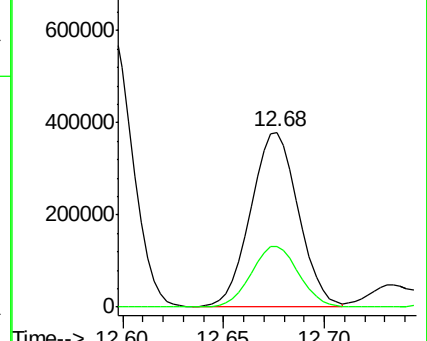
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Abundance Ion 91.00 (90.70 to 91.70): VN052750.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052750.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.465 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052750.D

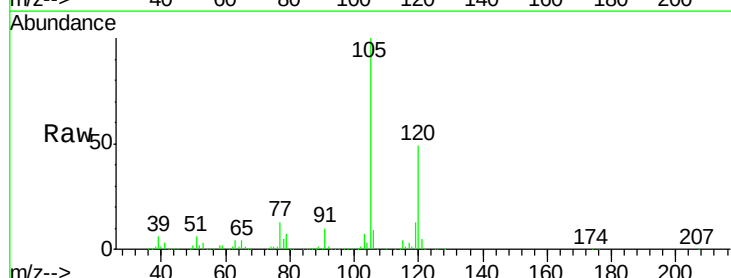
Acq: 10 Dec 2018 13:50

Tgt Ion: 105 Resp: 751195

Ion Ratio Lower Upper

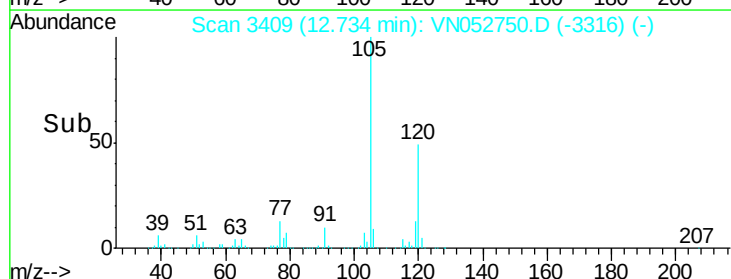
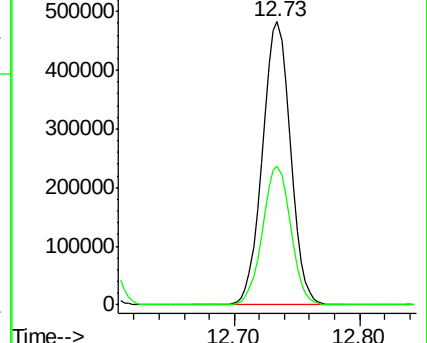
105 100

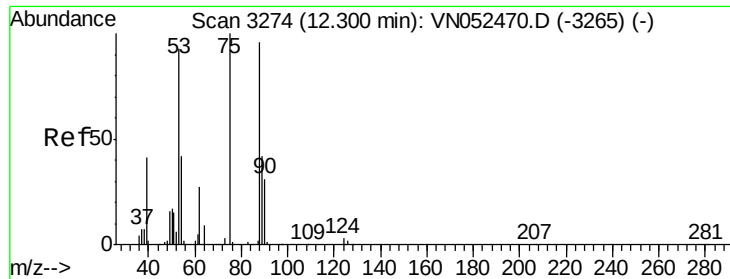
120 49.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052750.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052750.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion: 75 Resp: 55999

Ion Ratio Lower Upper

75 100

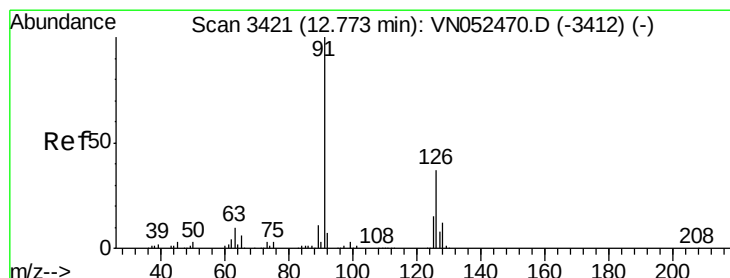
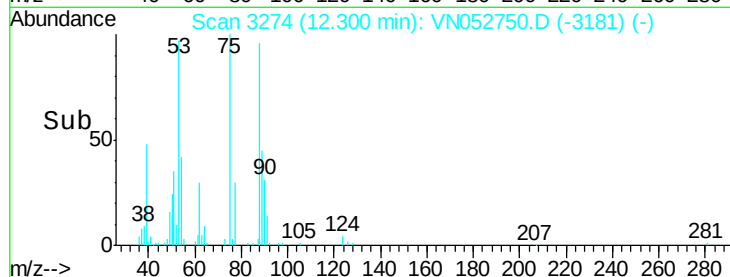
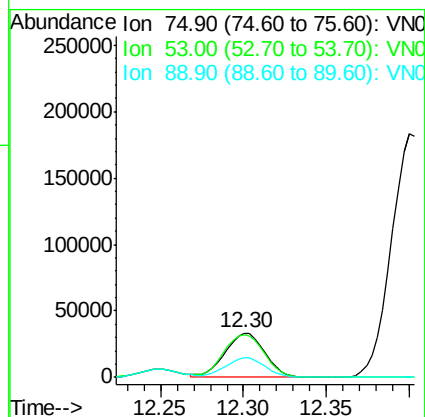
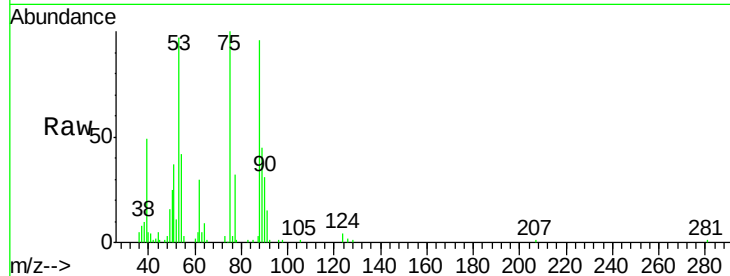
53 98.5 77.4 116.0

89 44.0 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.209 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052750.D

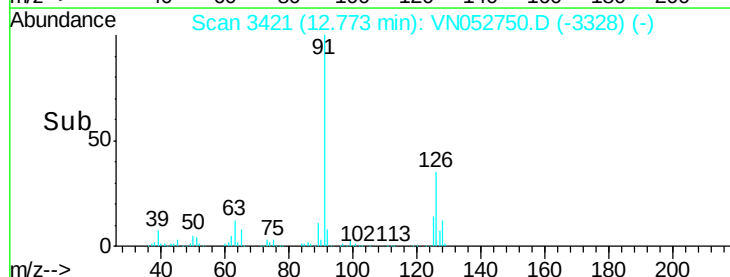
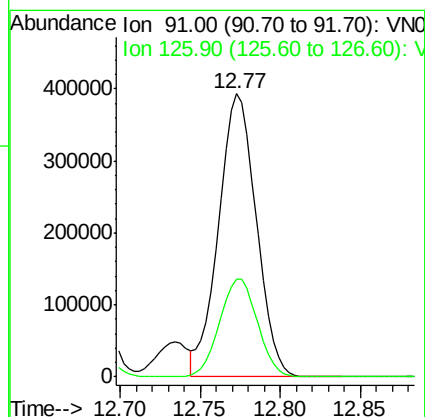
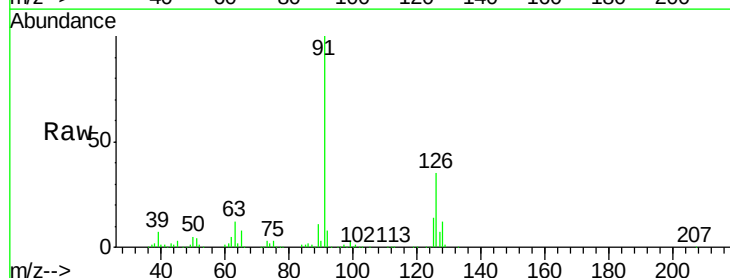
Acq: 10 Dec 2018 13:50

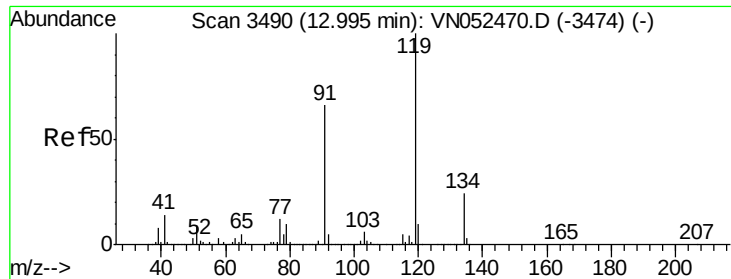
Tgt Ion: 91 Resp: 633765

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.6





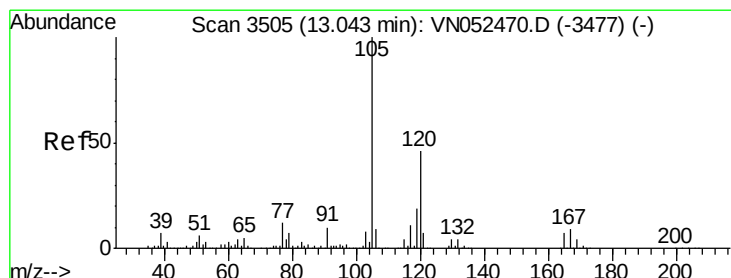
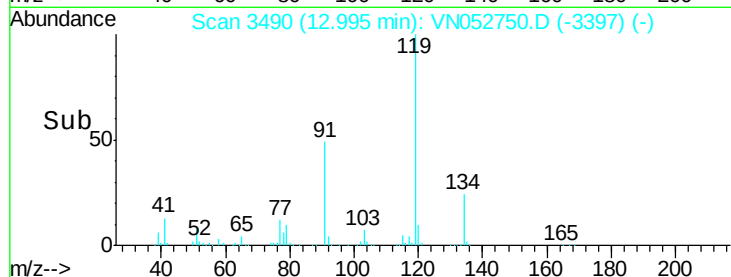
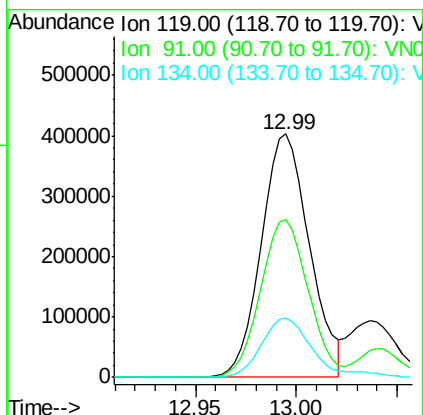
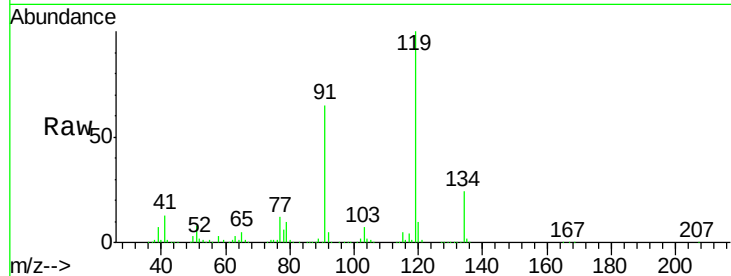
#83
 tert-Butylbenzene
 Concen: 19.459 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	669511		
91	64.5	32.3	96.9	
134	25.9	13.0	38.9	

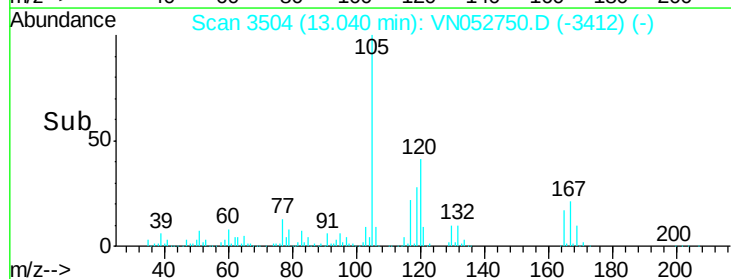
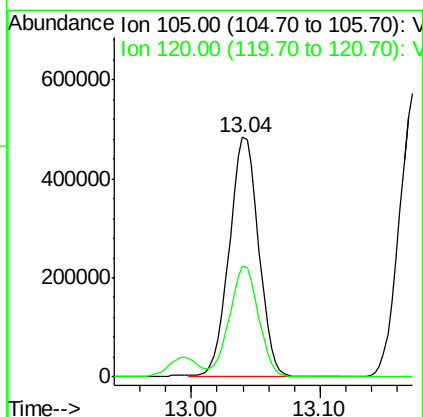
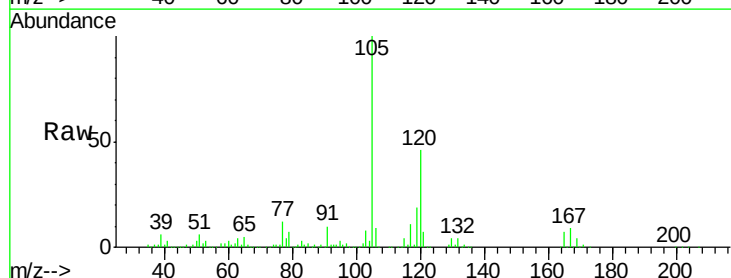
Manual Integrations
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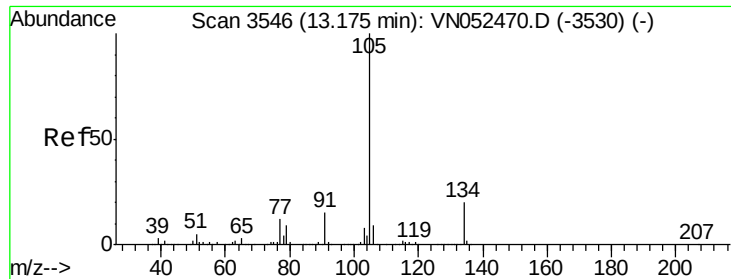
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.778 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	764940		
120	45.9	22.8	68.4	





#85

sec-Butylbenzene

Concen: 19.421 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD02

Tot Ion:105 Resp: 910119

Ion Ratio Lower Upper

105 100

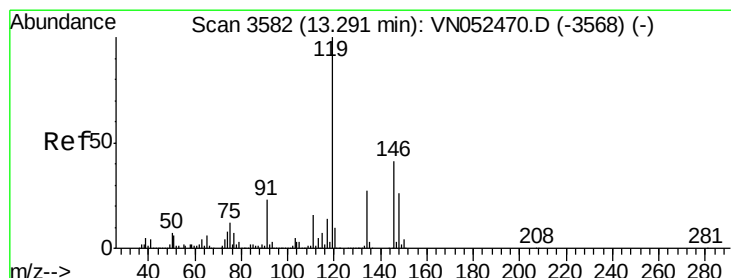
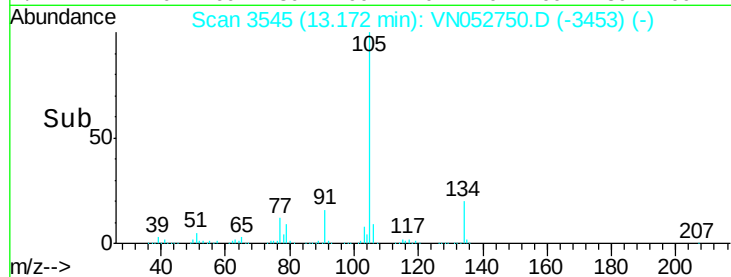
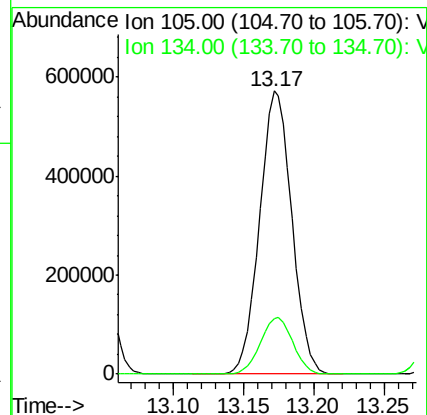
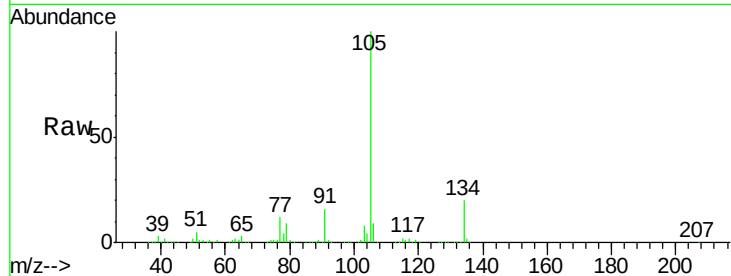
134 20.2 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 19.550 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

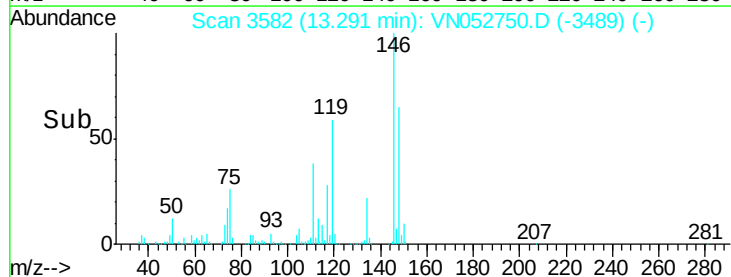
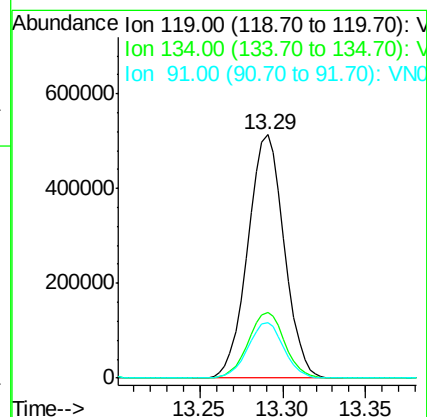
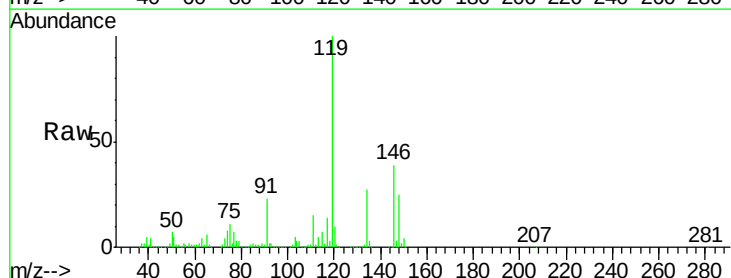
Tgt Ion:119 Resp: 780310

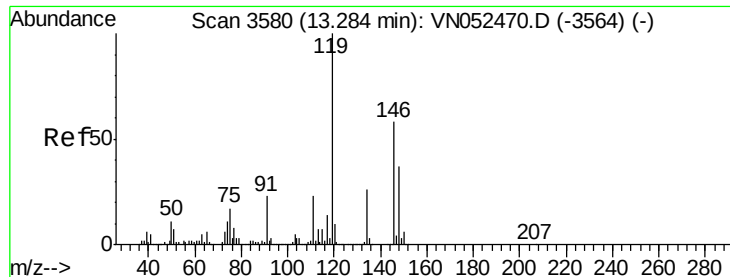
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.852 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

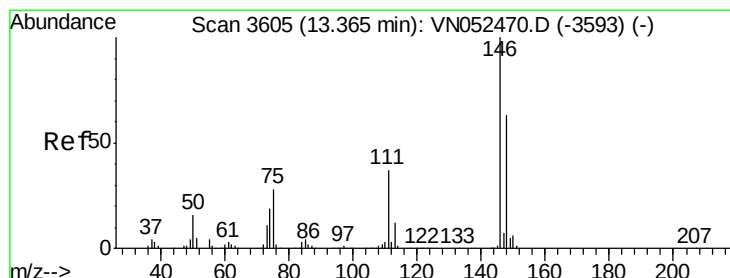
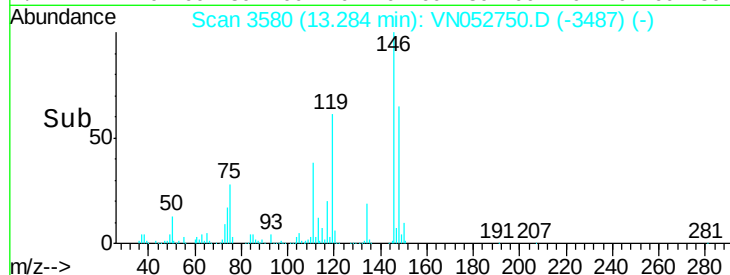
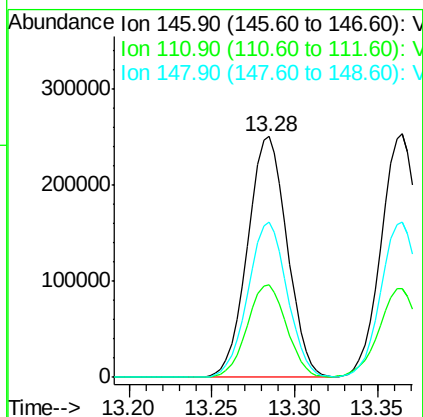
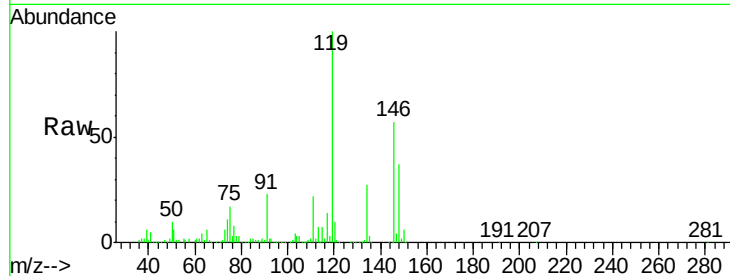
ClientSampleId :

VN1210WBSD02

Tot Ion:	146	Resp:	415331
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.4
148	64.0	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.874 ug/l

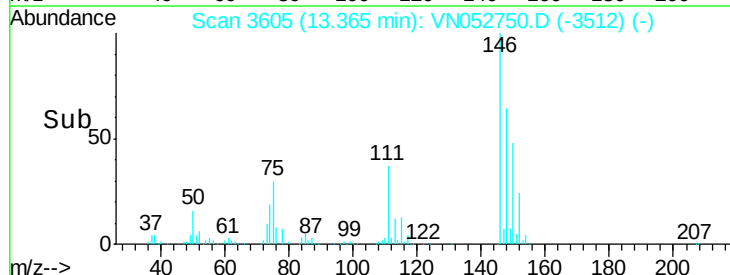
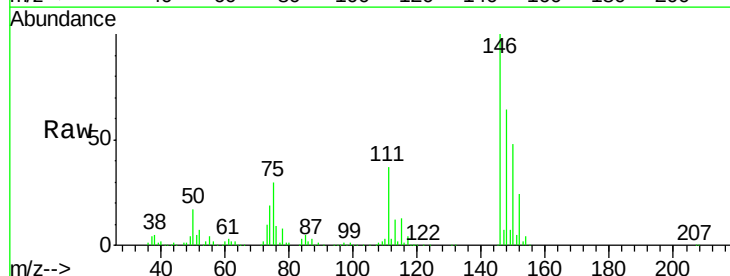
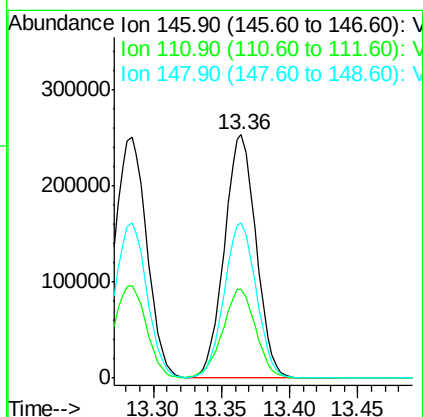
RT: 13.36 min Scan# 3605

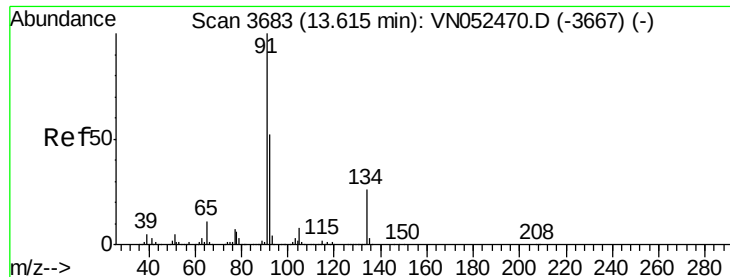
Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	146	Resp:	409561
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	56.0
148	64.6	31.9	95.9





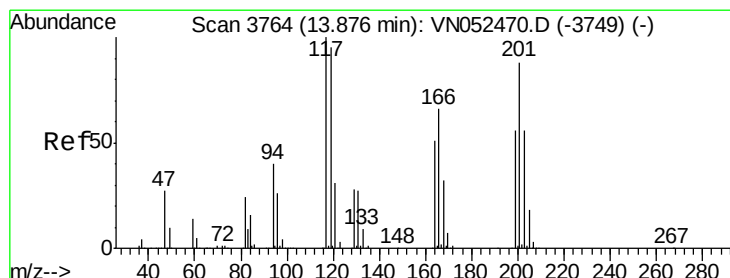
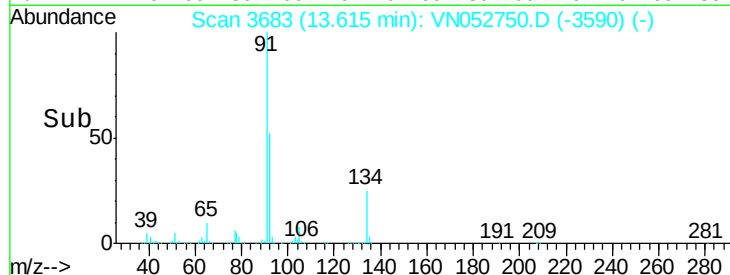
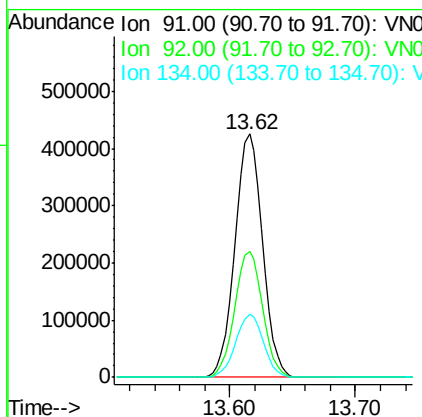
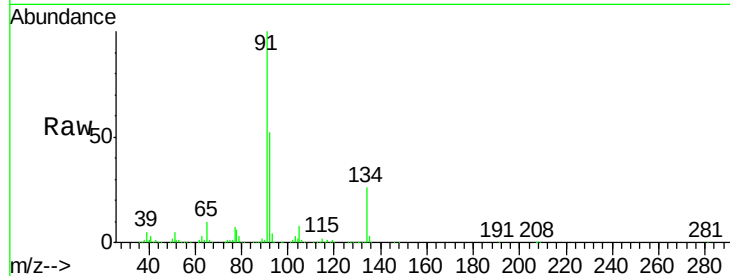
#89
n-Butylbenzene
Concen: 19.587 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	26.0	13.0	38.9

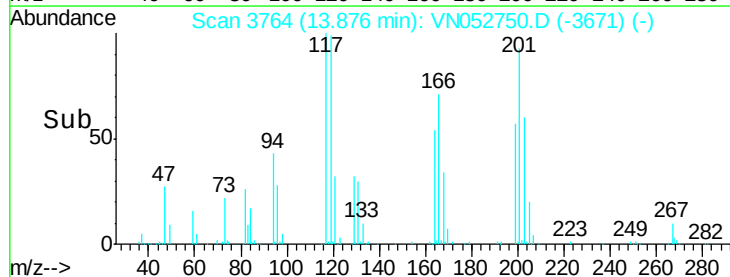
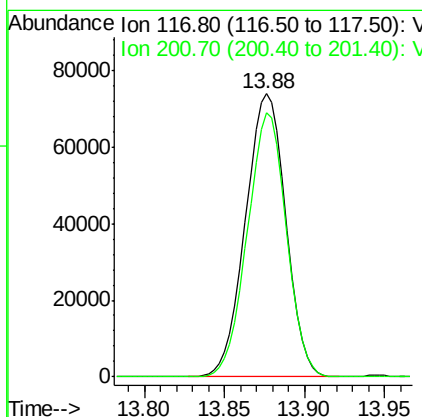
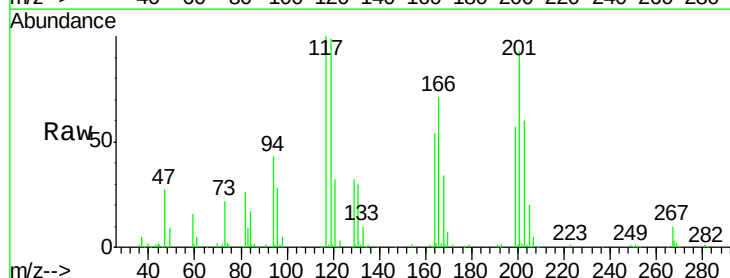
Manual Integrations
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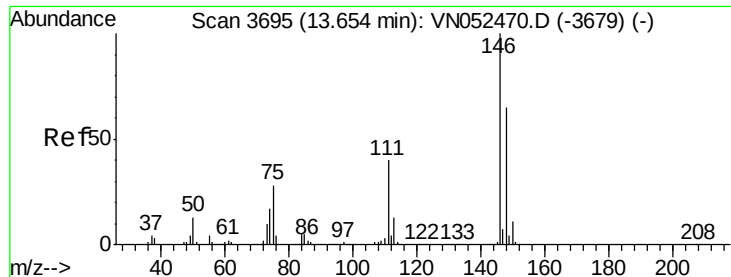
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#90
Hexachloroethane
Concen: 18.872 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	43.6	130.9





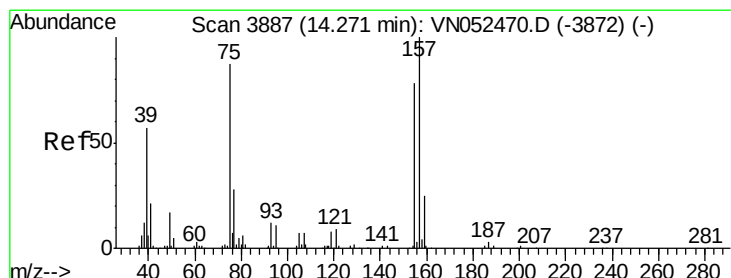
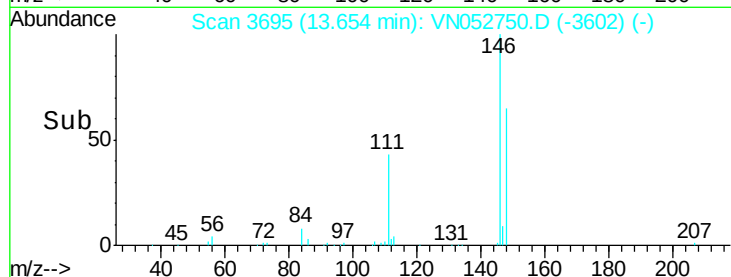
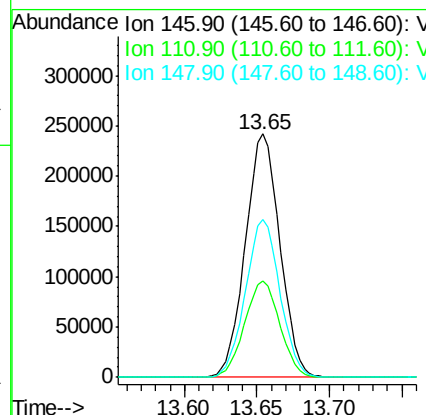
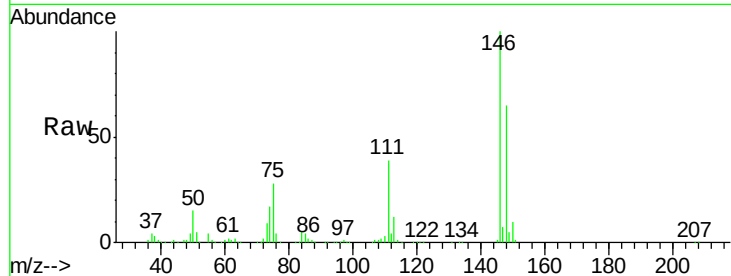
#91
 1,2-Dichlorobenzene
 Concen: 20.113 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.8	32.0	96.2

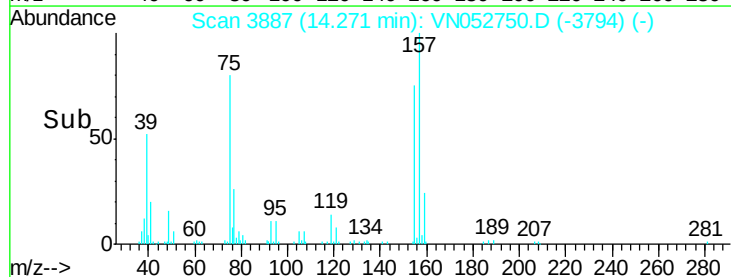
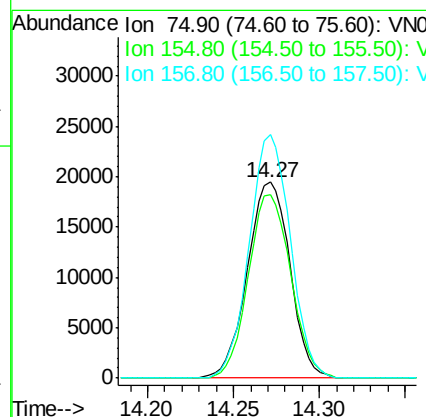
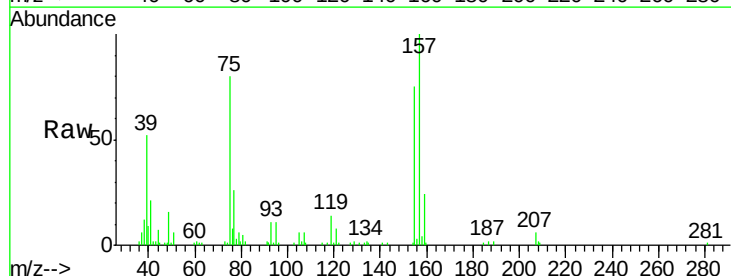
Manual Integrations
 APPROVED

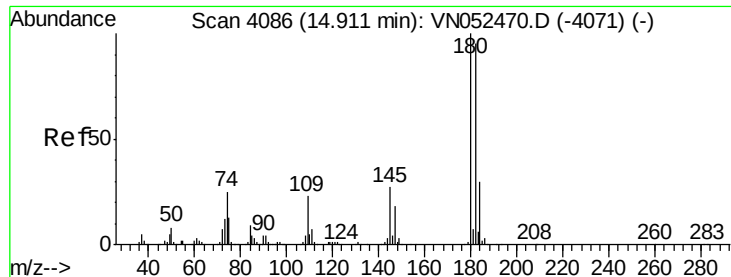
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 12/11/2018 12:45:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.220 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052750.D
 Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.3	135.9
157	120.1	58.1	174.2





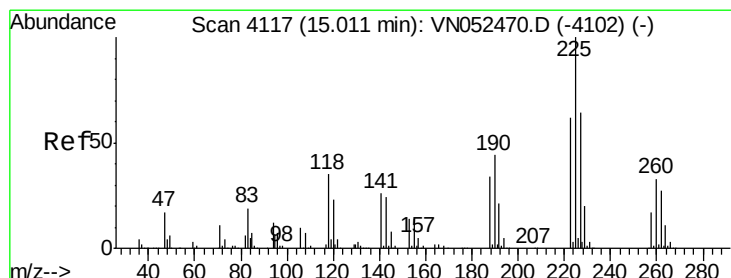
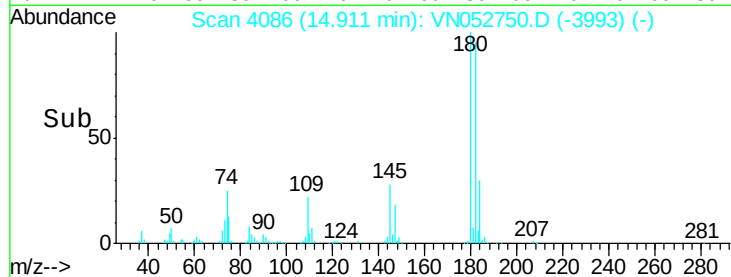
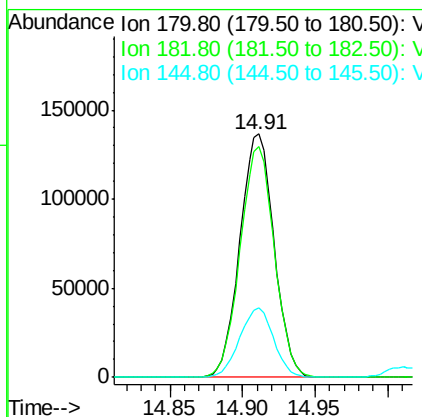
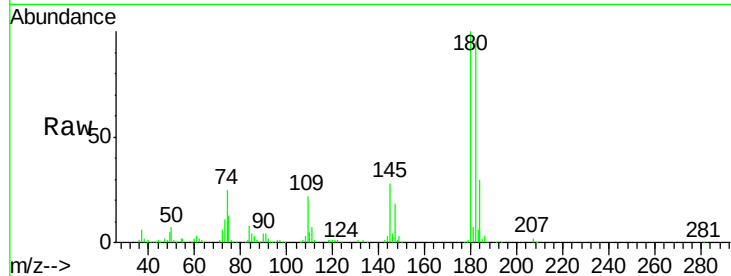
#93
1,2,4-Trichlorobenzene
Concen: 22.088 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	223526		
182	95.3	47.8	143.4	
145	28.4	14.1	42.3	

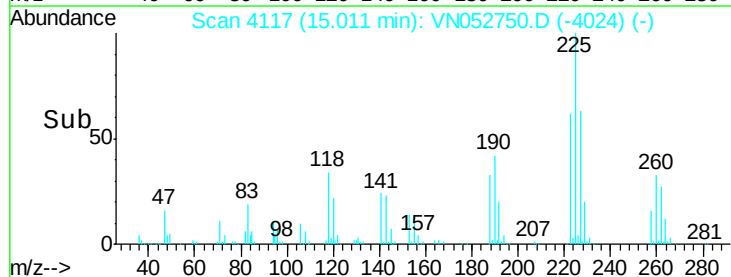
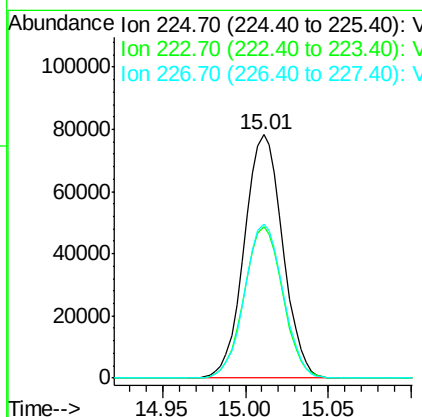
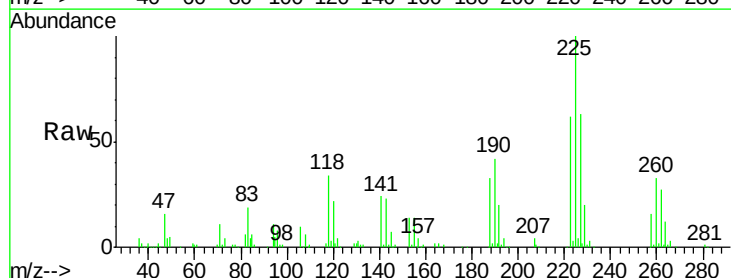
Manual Integrations
APPROVED

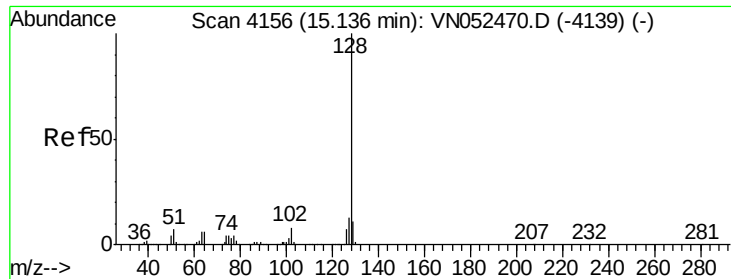
MMDadoda
12/11/2018 12:45:55 PM



#94
Hexachlorobutadiene
Concen: 19.594 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052750.D
Acq: 10 Dec 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126001		
223	62.7	31.4	94.2	
227	63.5	32.5	97.4	





#95

Naphthalene

Concen: 22.820 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Instrument :

MSVOA_N

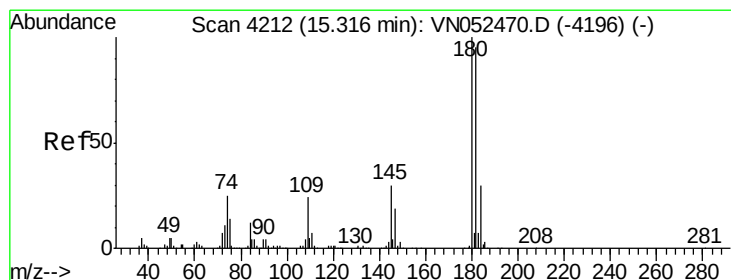
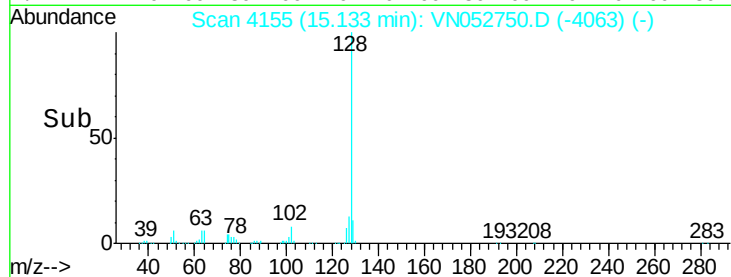
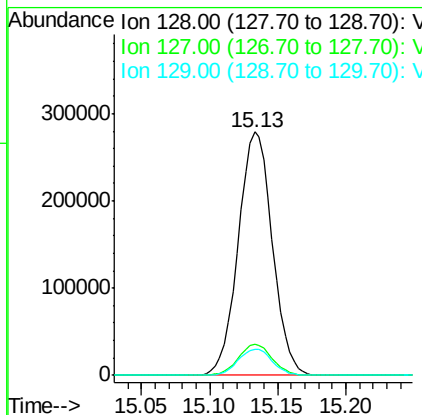
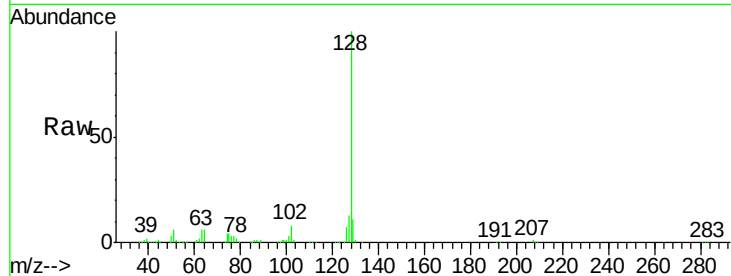
ClientSampleId :

VN1210WBSD02

Tot Ion:	128	Resp:	483436
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:45:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.295 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052750.D

Acq: 10 Dec 2018 13:50

Tgt Ion:	180	Resp:	208366
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	30.2	15.2	45.5

