

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058714.D
 Acq On : 11 Oct 2019 20:01
 Operator : JC/SP
 Sample : VN1013WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:52 AM

Quant Time: Oct 12 00:57:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	411844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	675770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	296536	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.57	113	211105	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.09	98	826237	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.41	95	302513	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	113212	22.072	ug/l 98
3) Chloromethane	2.04	50	126992	20.821	ug/l 100
4) Vinyl Chloride	2.17	62	128361	21.130	ug/l 100
5) Bromomethane	2.55	94	75016	20.299	ug/l 97
6) Chloroethane	2.68	64	79449	21.203	ug/l 100
7) Trichlorofluoromethane	3.00	101	156457	21.520	ug/l 97
8) Diethyl Ether	3.39	74	54213	20.182	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87146	21.022	ug/l 98
10) Methyl Iodide	3.93	142	111163	19.651	ug/l 98
11) Tert butyl alcohol	4.76	59	98795	105.802	ug/l 99
12) 1,1-Dichloroethene	3.71	96	82856	20.949	ug/l 98
13) Acrolein	3.59	56	70224	93.509	ug/l 98
14) Allyl chloride	4.30	41	161105	20.184	ug/l 100
15) Acrylonitrile	4.96	53	253452	107.631	ug/l 100
16) Acetone	3.80	43	233248	97.716	ug/l 100
17) Carbon Disulfide	4.03	76	251380	19.883	ug/l 100
18) Methyl Acetate	4.30	43	134307	22.182	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	296654	21.005	ug/l 97
20) Methylene Chloride	4.53	84	99604	19.966	ug/l 98
21) trans-1,2-Dichloroethene	5.02	96	90452	20.445	ug/l 99
22) Diisopropyl ether	5.93	45	327830	21.124	ug/l 96
23) Vinyl Acetate	5.87	43	1379659	110.174	ug/l 99
24) 1,1-Dichloroethane	5.82	63	185310	20.966	ug/l 99
25) 2-Butanone	6.82	43	359278	104.134	ug/l 99
26) 2,2-Dichloropropane	6.81	77	152770	18.935	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	104197	20.197	ug/l 99
28) Bromochloromethane	7.18	49	64428	20.953	ug/l 98
29) Tetrahydrofuran	7.19	42	237779	106.647	ug/l 99
30) Chloroform	7.36	83	182609	20.563	ug/l 98
31) Cyclohexane	7.64	56	170201	20.125	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	157804	20.837	ug/l 98
36) 1,1-Dichloropropene	7.78	75	136681	20.005	ug/l 99
37) Ethyl Acetate	6.91	43	152969	22.138	ug/l 99
38) Carbon Tetrachloride	7.76	117	140177	21.051	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	157277	19.837	ug/l	100
40) Benzene	8.03	78	402716	20.523	ug/l	99
41) Methacrylonitrile	7.16	41	60809m	18.800	ug/l	
42) 1,2-Dichloroethane	8.11	62	155809	20.668	ug/l	99
43) Isopropyl Acetate	8.15	43	238314	20.245	ug/l #	91
44) Trichloroethene	8.82	130	99059	20.328	ug/l	97
45) 1,2-Dichloropropane	9.11	63	108713	20.695	ug/l	98
46) Dibromomethane	9.20	93	69073	20.740	ug/l	100
47) Bromodichloromethane	9.39	83	138847	20.473	ug/l	97
48) Methyl methacrylate	9.19	41	111902	20.972	ug/l	99
49) 1,4-Dioxane	9.19	88	35087	425.047	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	741069	112.097	ug/l	98
52) Toluene	10.15	92	245922	20.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156851	20.164	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167032	20.225	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	98824	20.118	ug/l	98
56) Ethyl methacrylate	10.43	69	149977	20.899	ug/l	99
57) 1,3-Dichloropropane	10.71	76	172547	20.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	349145	100.954	ug/l	99
59) 2-Hexanone	10.75	43	552060	108.057	ug/l	98
60) Dibromochloromethane	10.90	129	104137	20.551	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100999	20.523	ug/l	100
64) Tetrachloroethene	10.63	164	87873	20.272	ug/l	93
65) Chlorobenzene	11.43	112	258859	20.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95473	20.526	ug/l	99
67) Ethyl Benzene	11.51	91	472938	21.092	ug/l	100
68) m/p-Xylenes	11.62	106	350617	41.668	ug/l	99
69) o-Xylene	11.95	106	165649	20.347	ug/l	100
70) Styrene	11.97	104	267741	20.065	ug/l	98
71) Bromoform	12.13	173	70010	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	453437	21.215	ug/l	100
74) N-amyl acetate	12.07	43	201120	20.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148669	21.115	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	136617m	21.101	ug/l	
77) Bromobenzene	12.53	156	109971	21.153	ug/l	98
78) n-propylbenzene	12.60	91	535565	21.504	ug/l	100
79) 2-Chlorotoluene	12.68	91	317272	20.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	390435	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46919	19.412	ug/l	97
82) 4-Chlorotoluene	12.78	91	325506	20.520	ug/l	100
83) tert-Butylbenzene	13.00	119	327991	20.982	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	386103	21.314	ug/l	99
85) sec-Butylbenzene	13.18	105	444731	21.591	ug/l	98
86) p-Isopropyltoluene	13.29	119	394198	21.057	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194619	20.299	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191259	19.620	ug/l	99
89) n-Butylbenzene	13.62	91	346545	20.020	ug/l	99
90) Hexachloroethane	13.88	117	68954	20.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	192490	20.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31807	19.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111248	19.516	ug/l	98
94) Hexachlorobutadiene	15.02	225	59291	19.752	ug/l	97
95) Naphthalene	15.13	128	325044	19.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109086	19.601	ug/l	99

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

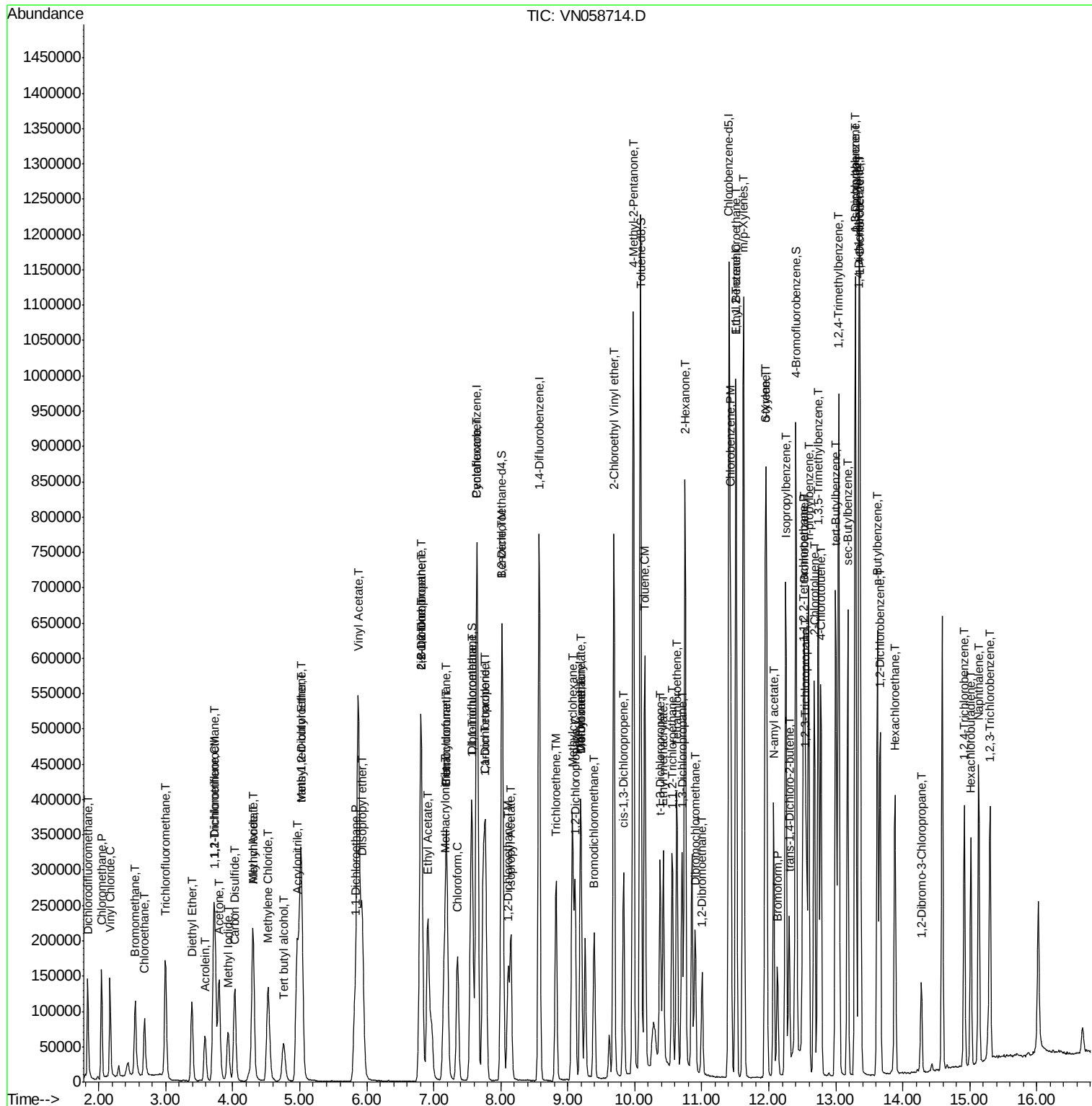
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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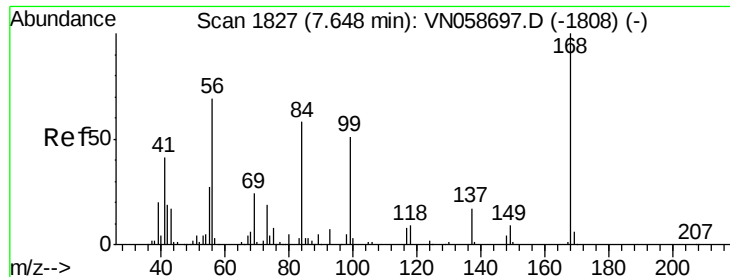
Instrument :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion:168 Resp: 411844

Ion Ratio Lower Upper

168 100

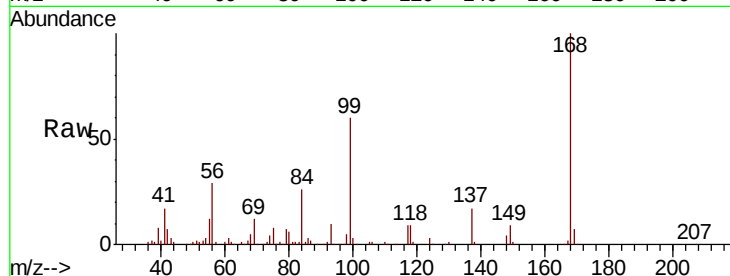
99 60.4 47.5 71.3

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

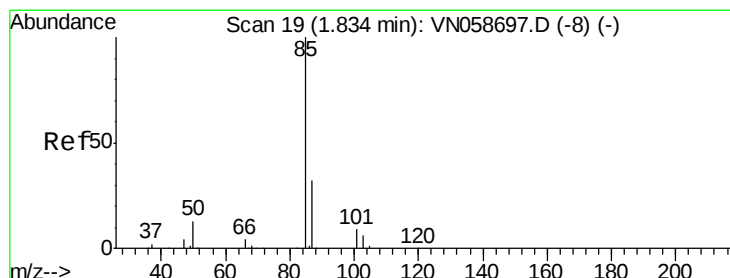
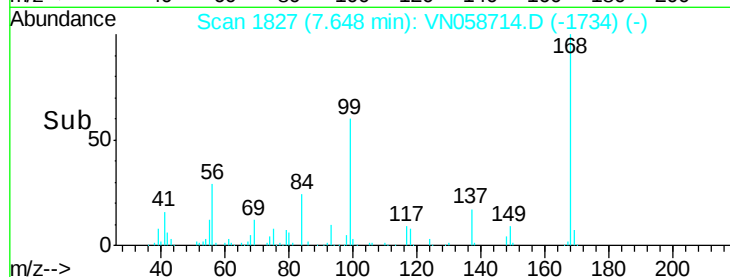
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.072 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058714.D

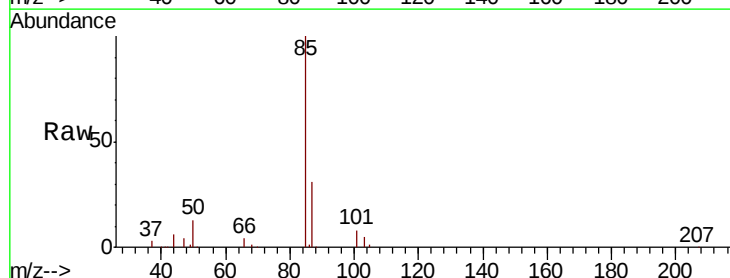
Acq: 11 Oct 2019 20:01

Tgt Ion: 85 Resp: 113212

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

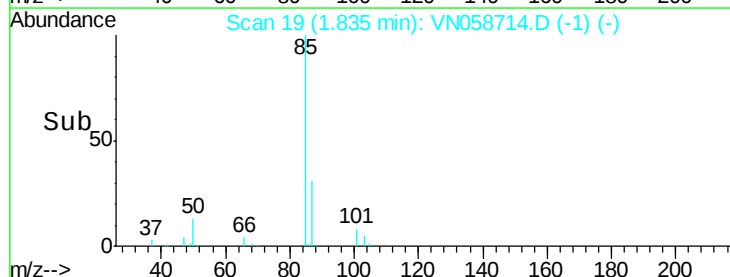
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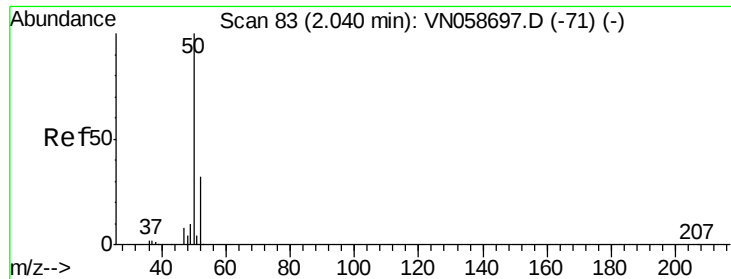
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.821 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 50 Resp: 126992

Ion Ratio Lower Upper

50 100

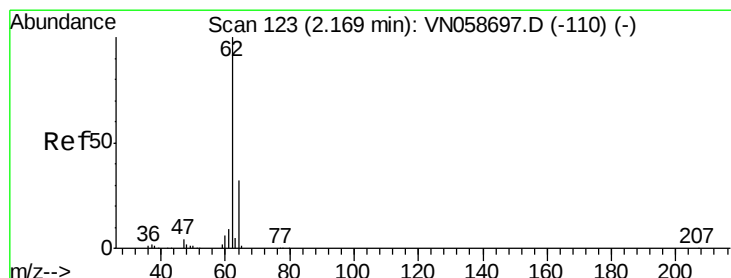
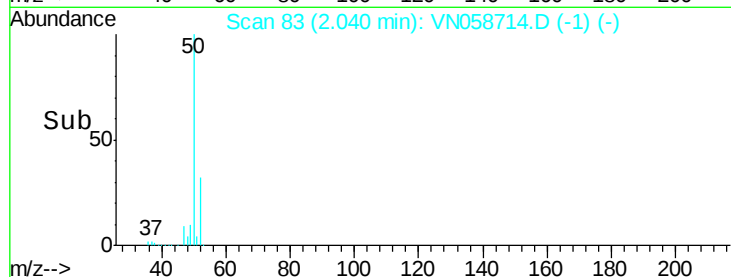
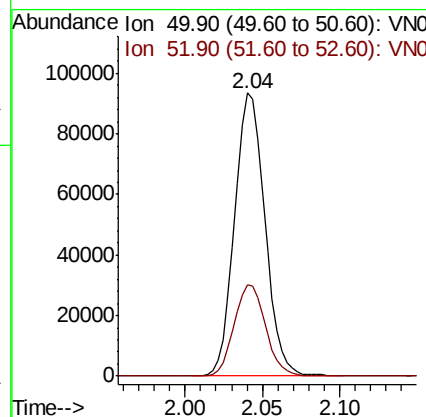
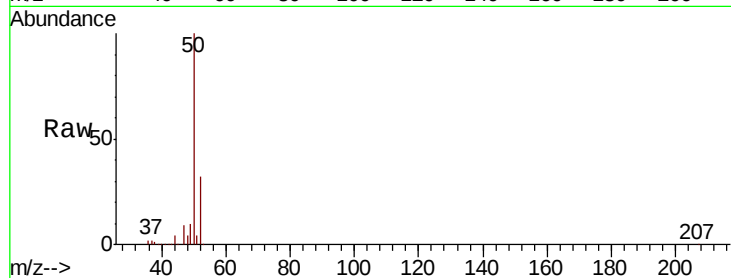
52 32.3 25.8 38.6

Manual Integrations

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10/16/2019 12:48:52 AM



#4

Vinyl Chloride

Concen: 21.130 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058714.D

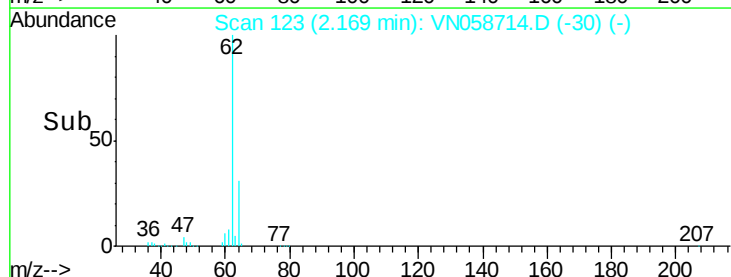
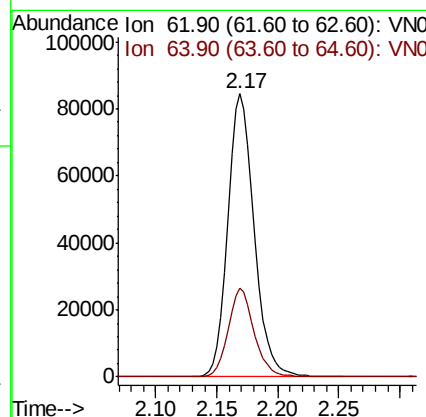
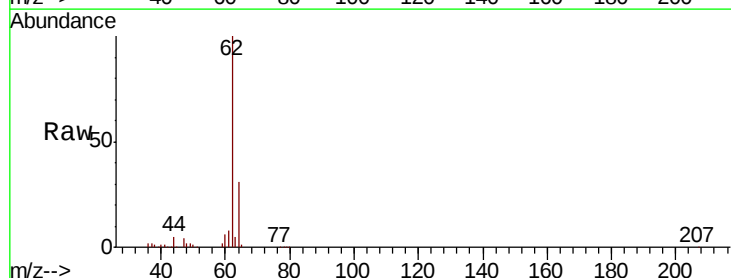
Acq: 11 Oct 2019 20:01

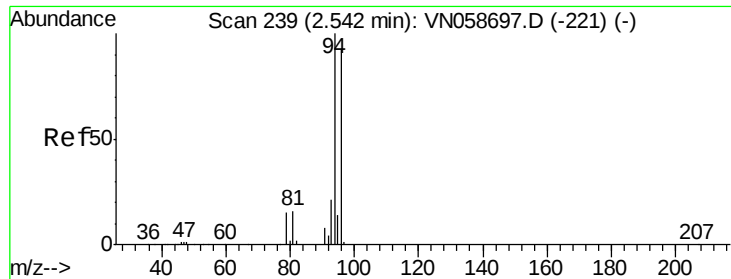
Tgt Ion: 62 Resp: 128361

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 20.299 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 94 Resp: 75016

Ion Ratio Lower Upper

94 100

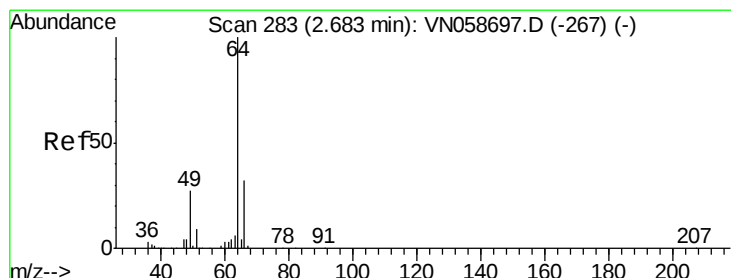
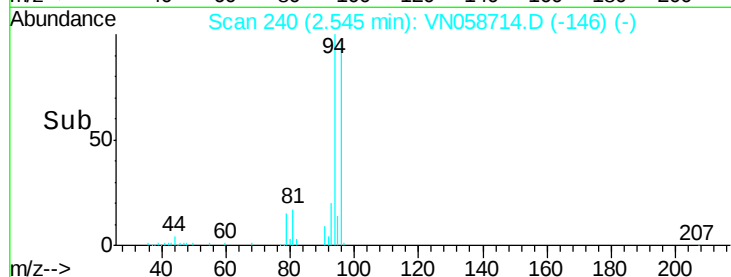
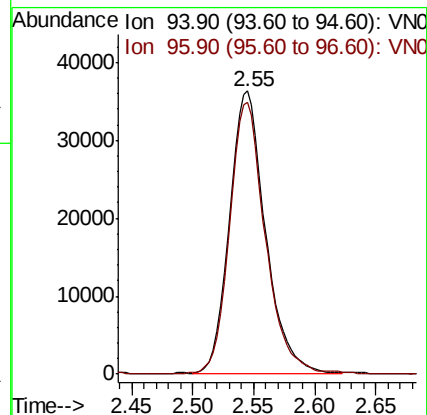
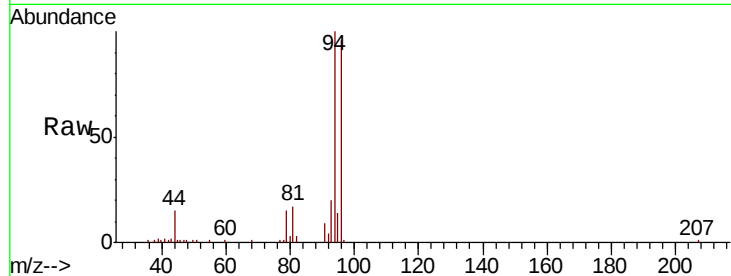
96 95.6 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 21.203 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058714.D

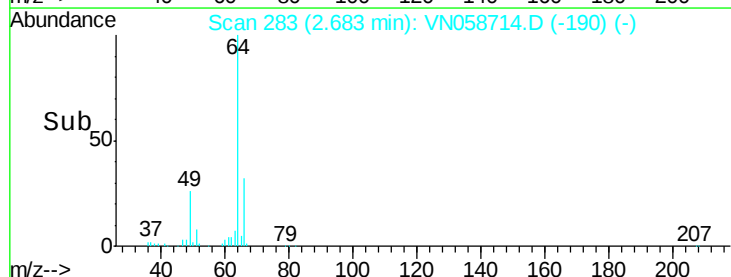
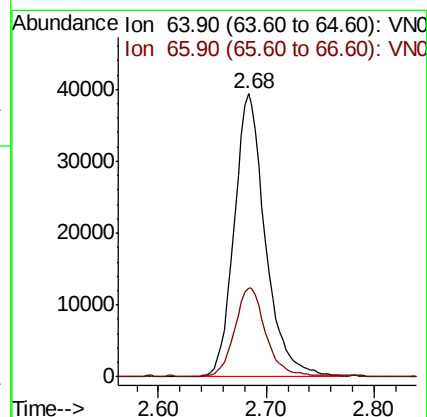
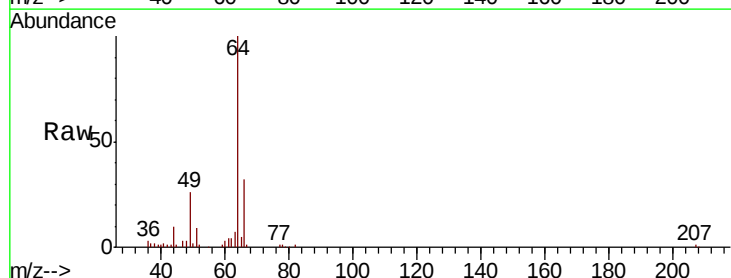
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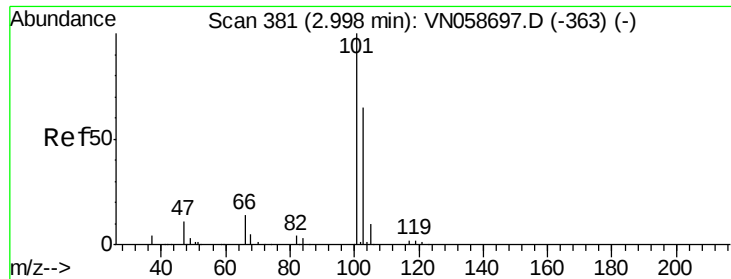
Tgt Ion: 64 Resp: 79449

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.2





#7

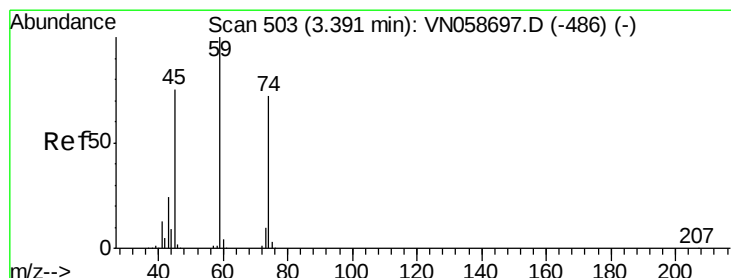
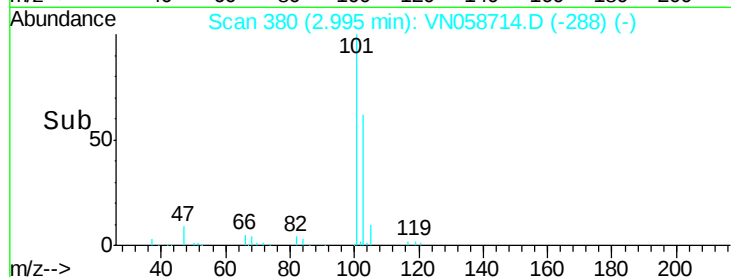
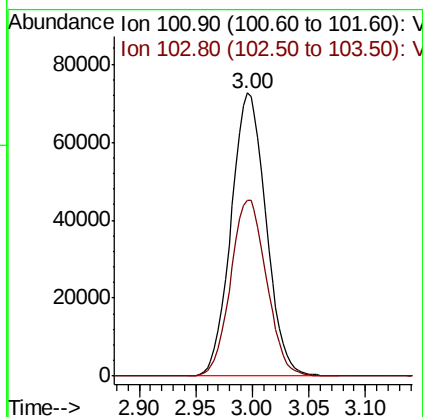
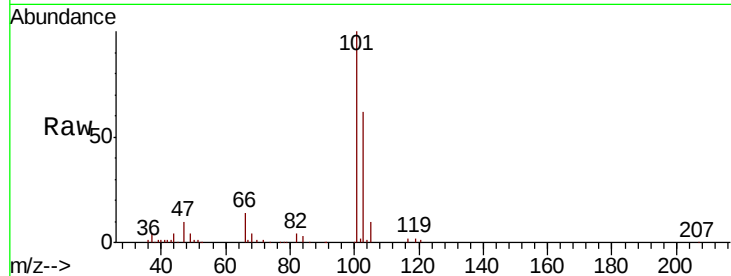
Trichlorofluoromethane
Concen: 21.520 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156457		
103	62.3	51.8	77.6		

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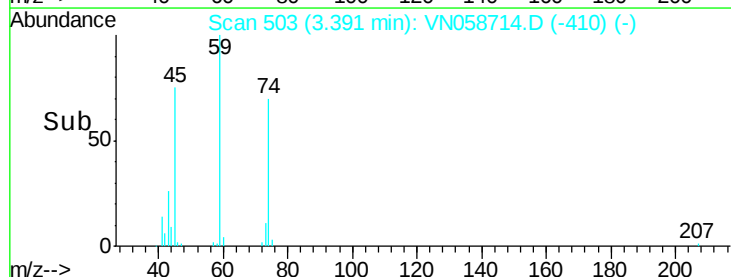
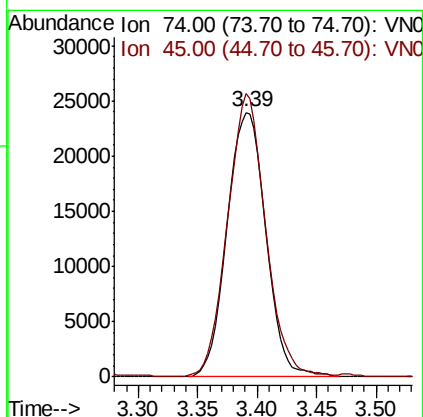
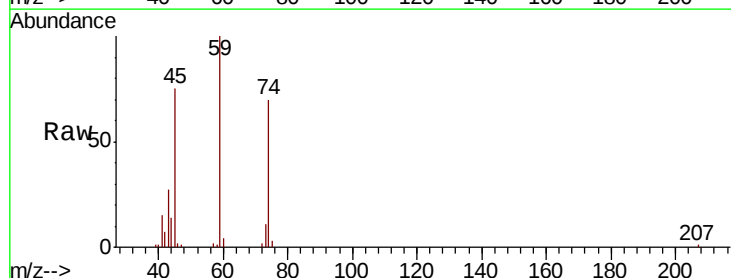
MMDadoda
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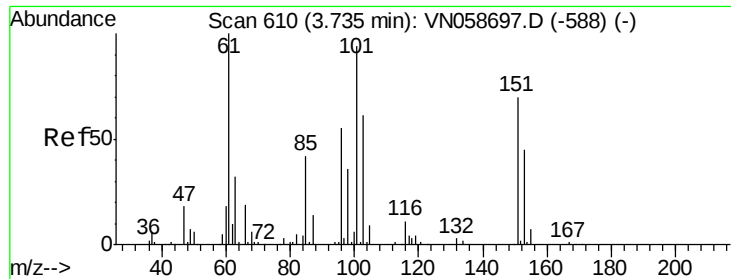


#8

Diethyl Ether
Concen: 20.182 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54213		
45	105.0	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.022 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

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MSVOA_N

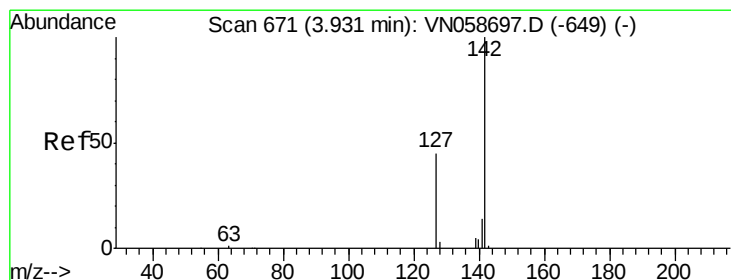
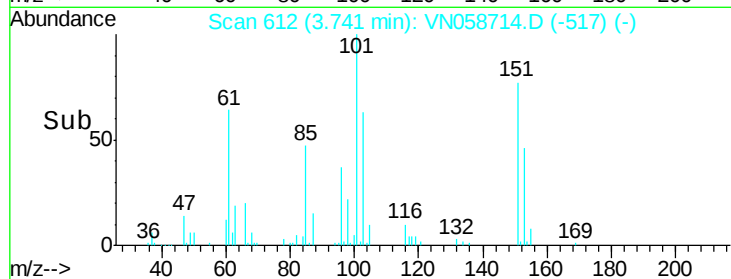
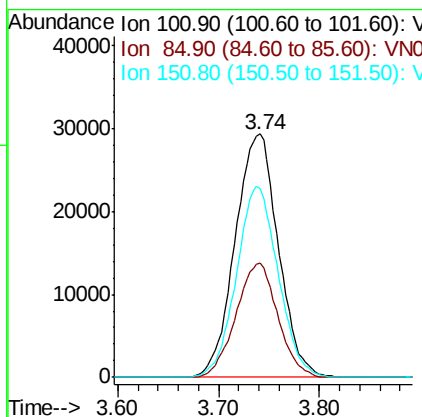
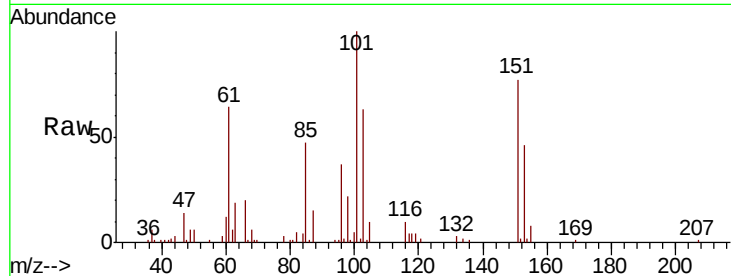
ClientSampleId :

VN1013WBSD01

Tot Ion:	101	Resp:	87146
Ion Ratio	Lower	Upper	
101	100		
85	45.4	37.0	55.6
151	75.7	61.8	92.6

Manual Integrations
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MMDadoda
10/16/2019 12:48:52 AM



#10

Methyl Iodide

Concen: 19.651 ug/l

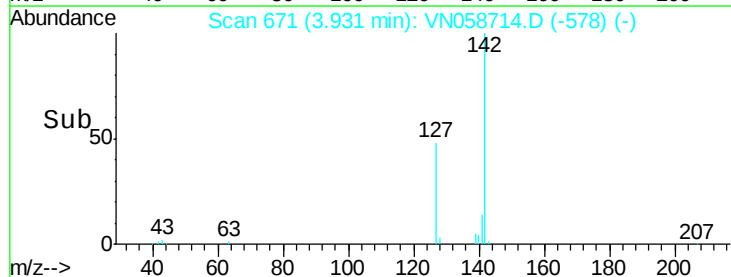
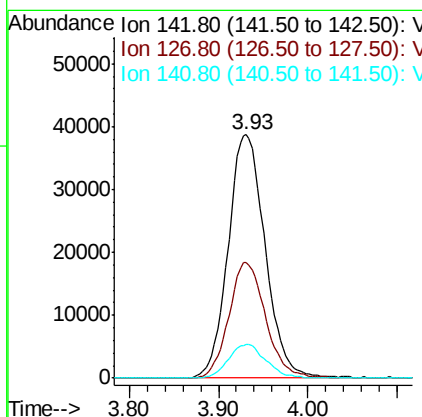
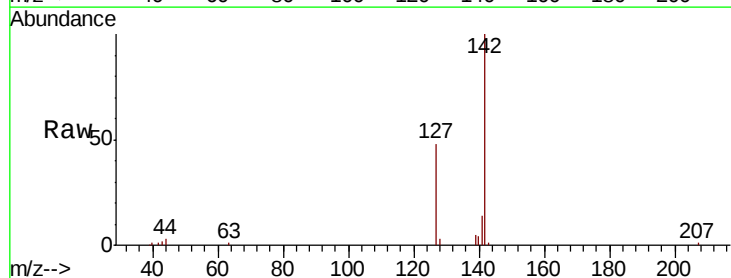
RT: 3.93 min Scan# 671

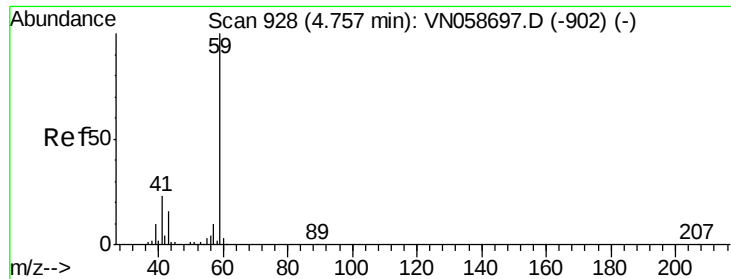
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	142	Resp:	111163
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.4	54.6
141	13.9	11.1	16.7





#11

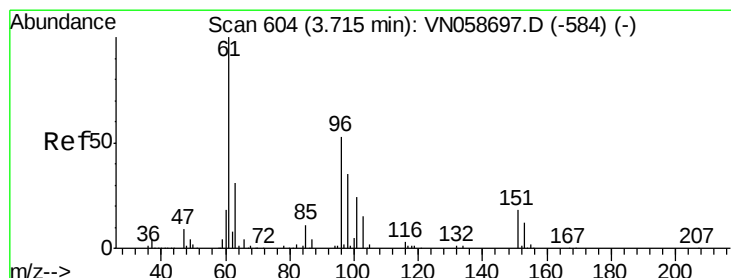
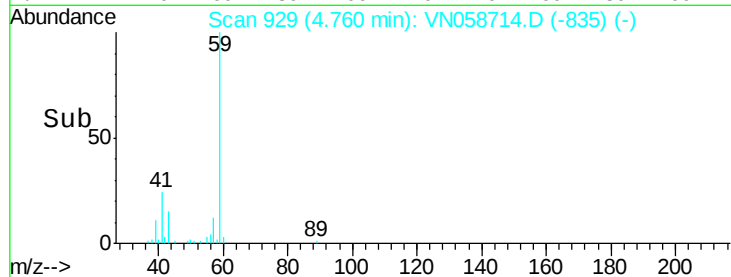
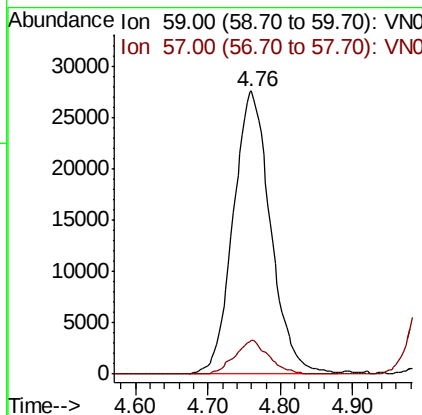
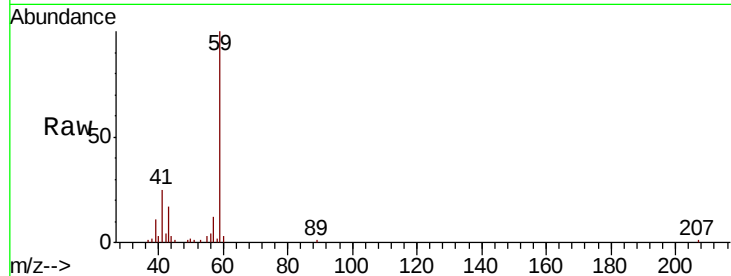
Tert butyl alcohol
 Concen: 105.802 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	59.00	Resp	98795
Ion Ratio	100	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
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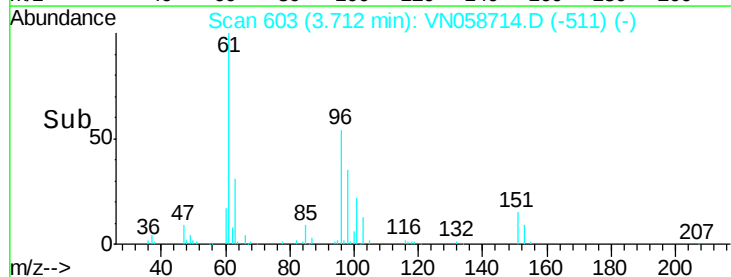
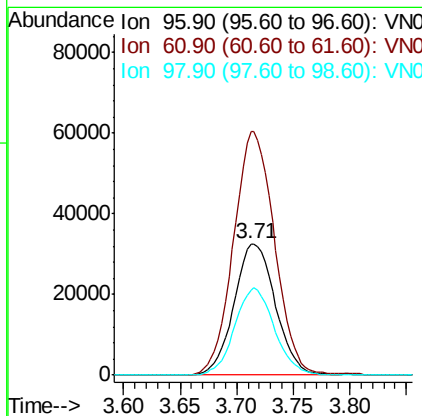
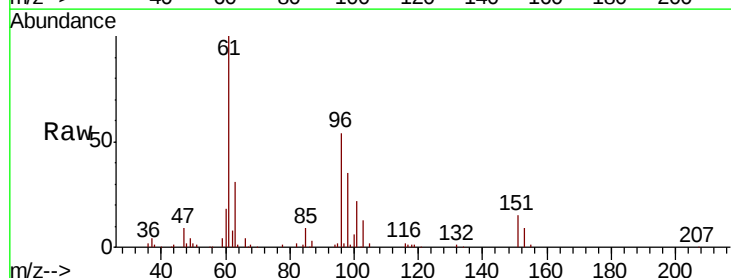
MMDadoda
 10/16/2019 12:48:52 AM

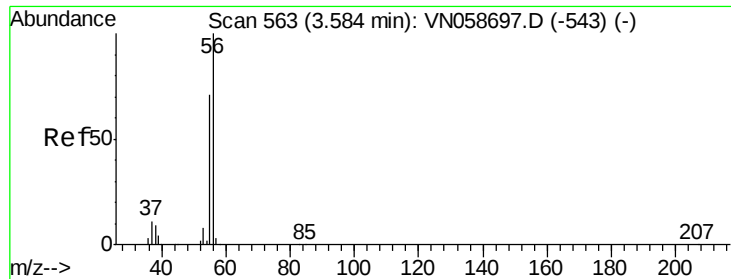


#12

1,1-Dichloroethene
 Concen: 20.949 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	96	Resp	82856
Ion Ratio	100	Lower	Upper
96	100		
61	185.1	151.3	226.9
98	64.4	52.6	78.8





#13

Acrolein

Concen: 93.509 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 56 Resp: 70224

Ion Ratio Lower Upper

56 100

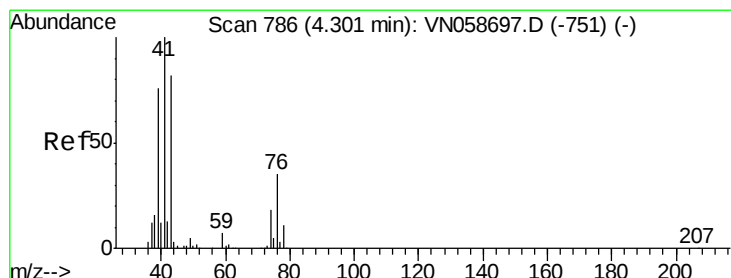
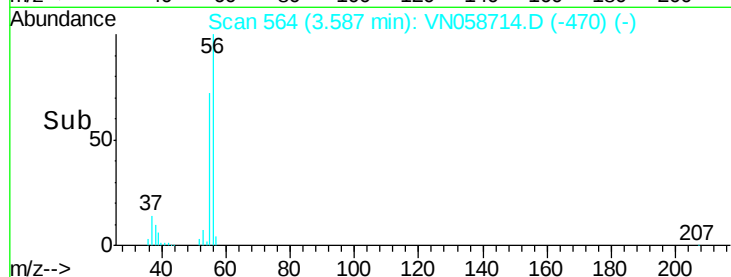
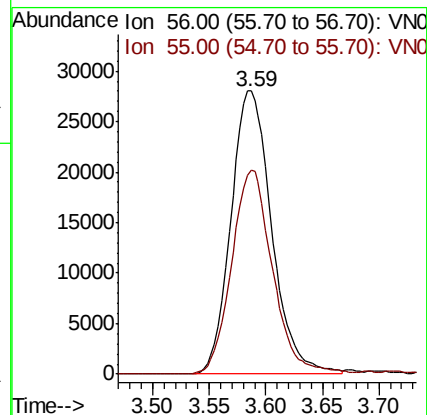
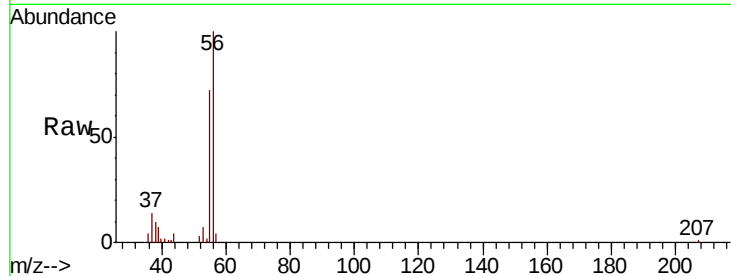
55 72.5 56.7 85.1

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.184 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

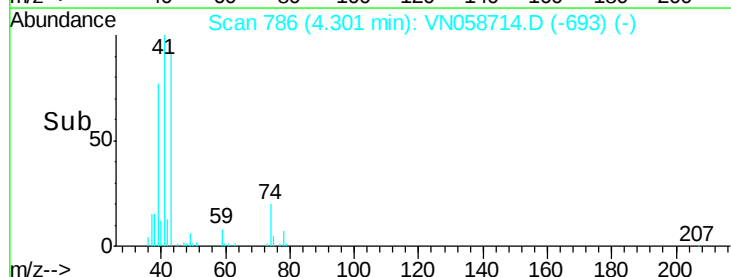
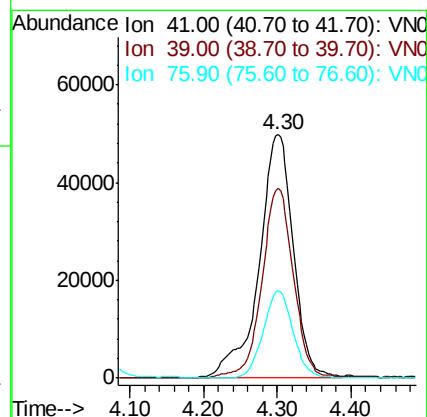
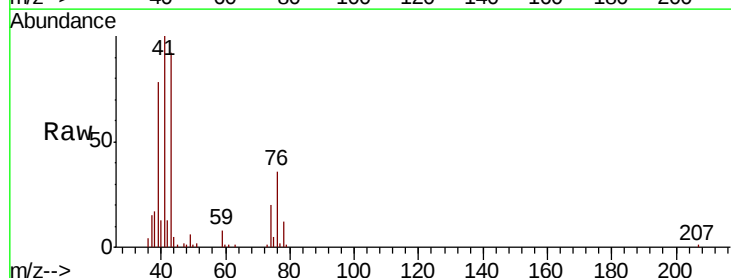
Tgt Ion: 41 Resp: 161105

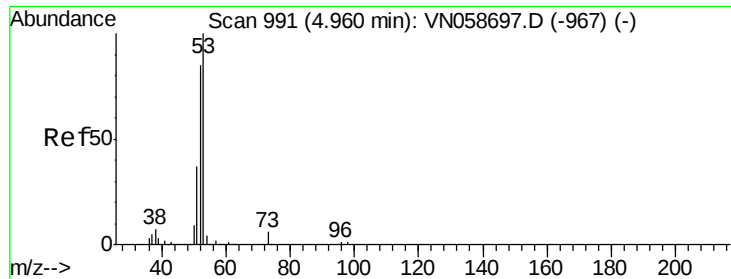
Ion Ratio Lower Upper

41 100

39 71.7 57.2 85.8

76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 107.631 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

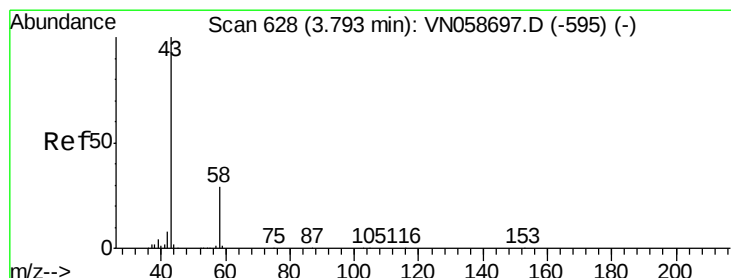
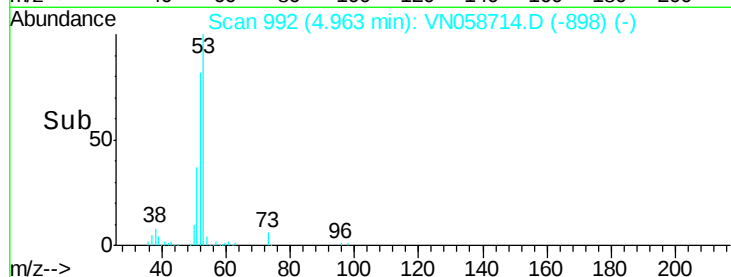
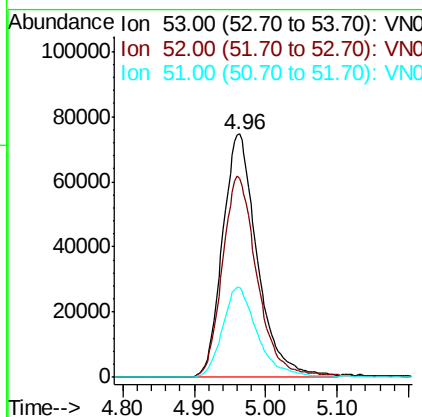
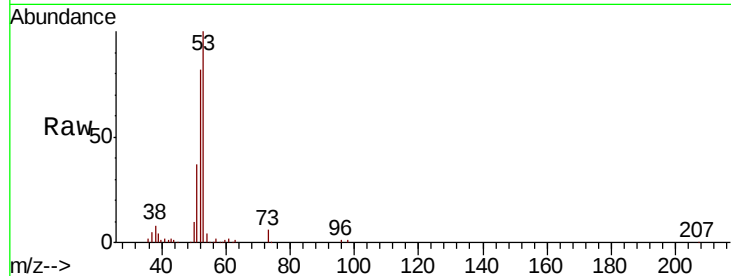
ClientSampleId :

VN1013WBSD01

Tot Ion:	53	Resp:	253452
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	37.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 97.716 ug/l

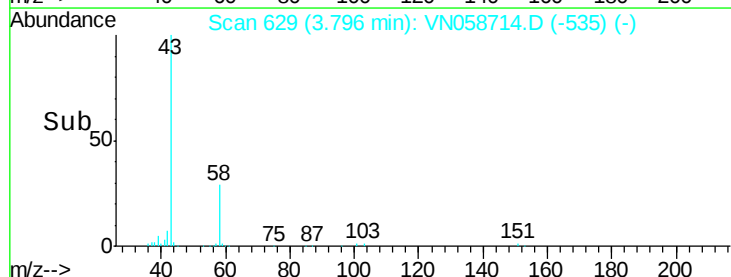
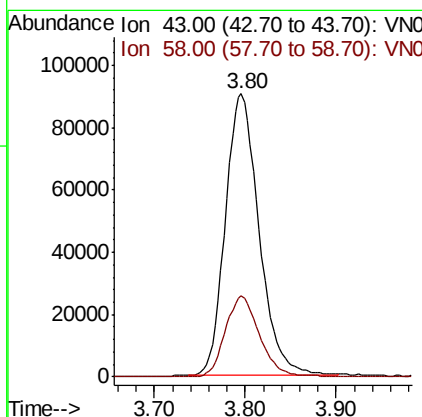
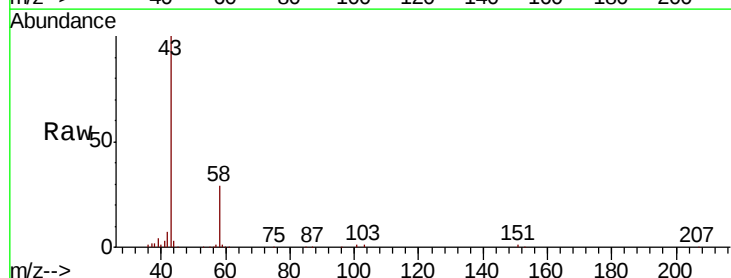
RT: 3.80 min Scan# 629

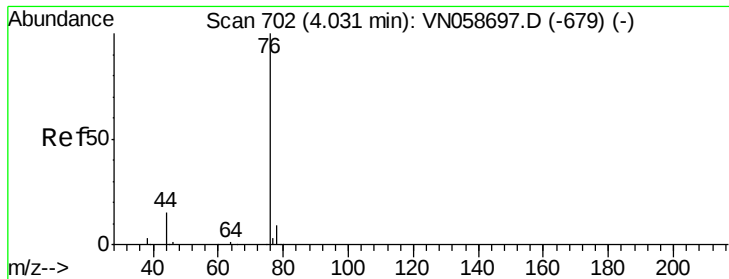
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	43	Resp:	233248
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.3	34.9





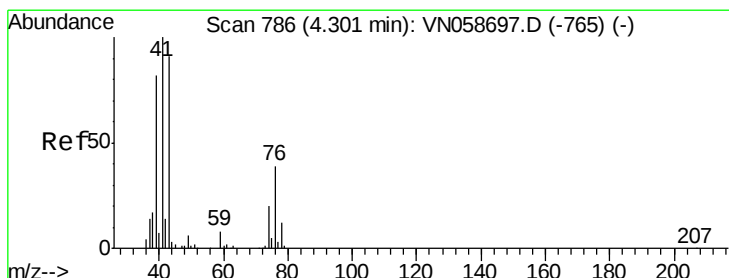
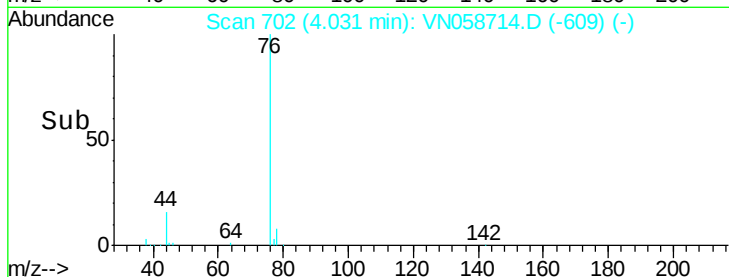
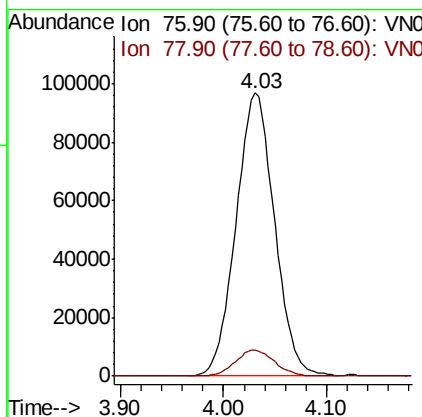
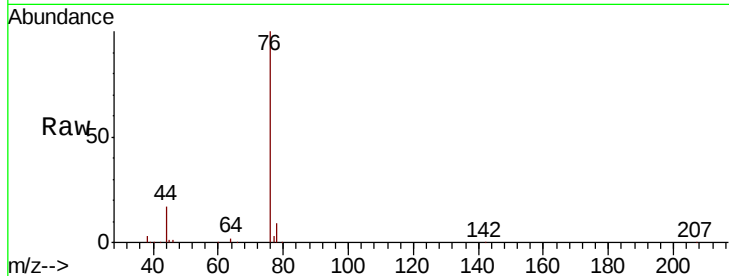
#17
Carbon Disulfide
Concen: 19.883 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

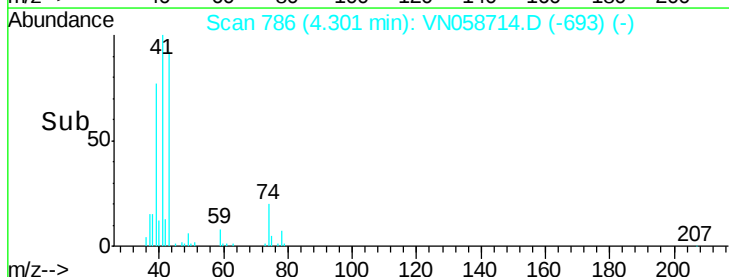
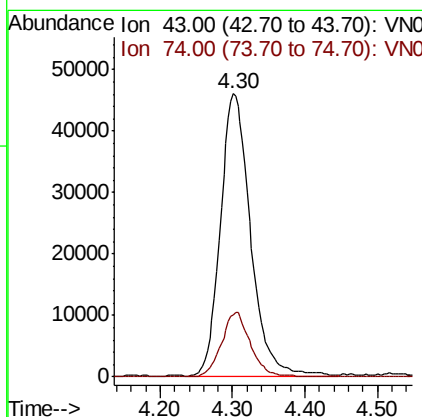
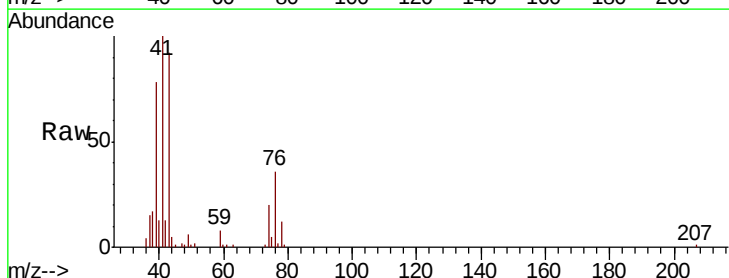
Manual Integrations
APPROVED

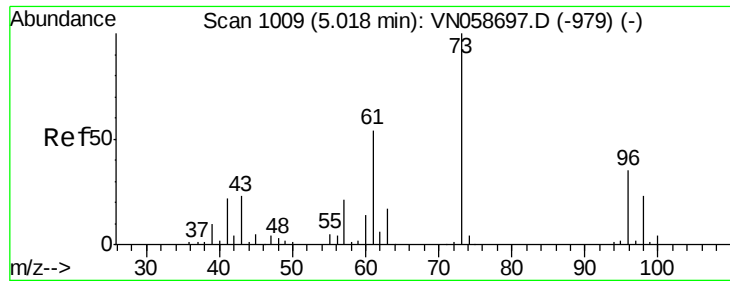
MMDadoda
10/16/2019 12:48:52 AM



#18
Methyl Acetate
Concen: 22.182 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.2	25.8





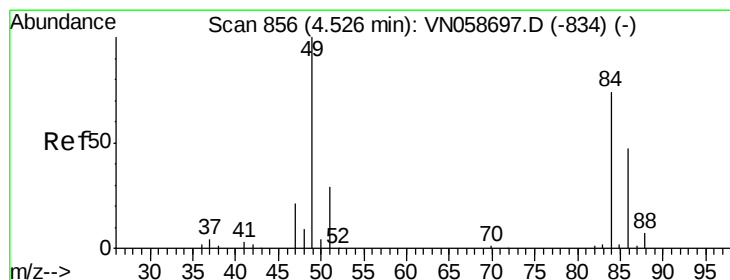
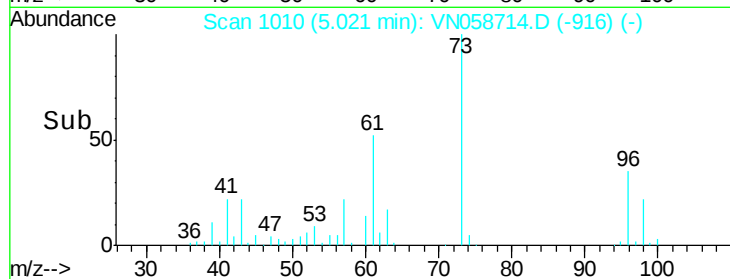
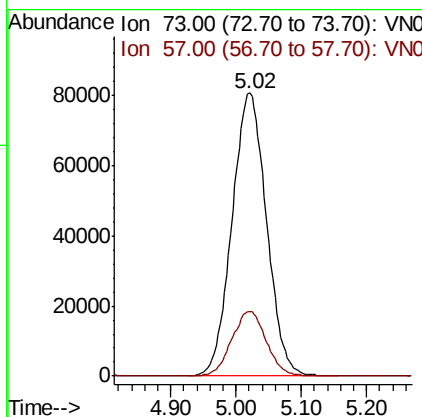
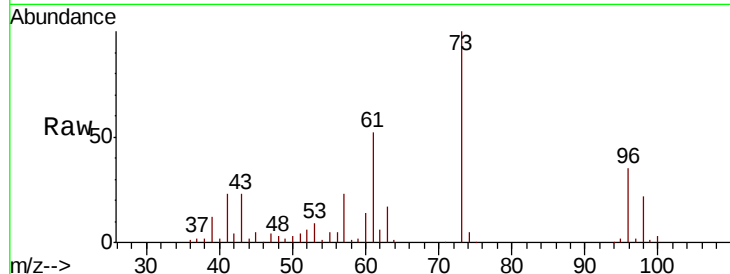
#19
Methvl tert-butvl Ether
Concen: 21.005 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion: 73 Resp: 296654
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6

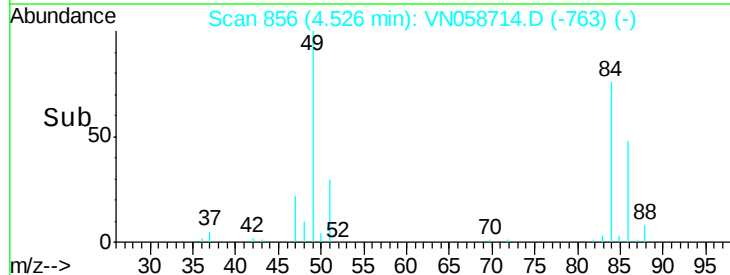
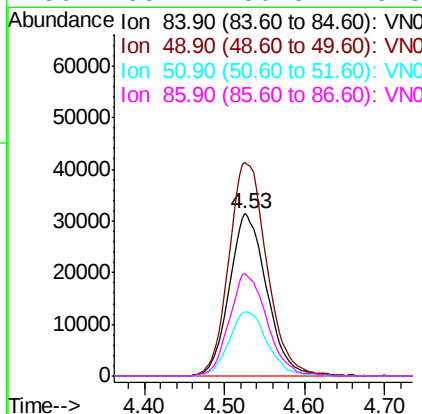
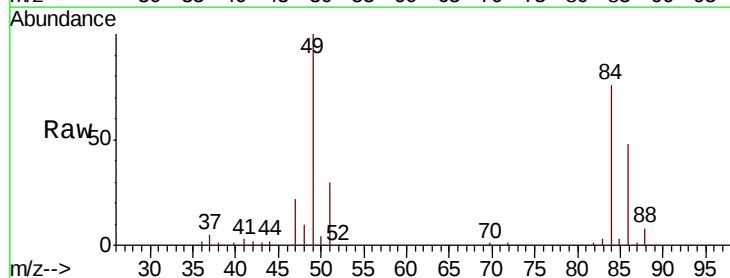
Manual Integrations
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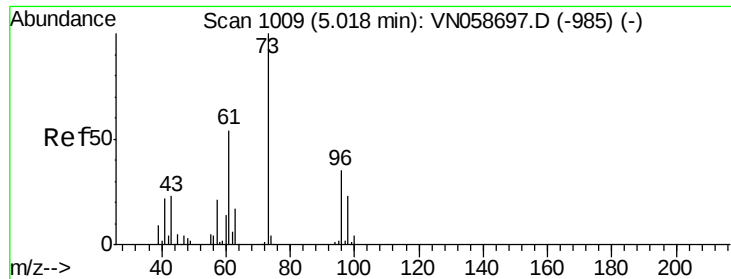
MMDadoda
10/16/2019 12:48:52 AM



#20
Methylene Chloride
Concen: 19.966 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 84 Resp: 99604
Ion Ratio Lower Upper
84 100
49 131.7 107.6 161.4
51 39.5 31.4 47.0
86 63.4 50.3 75.5





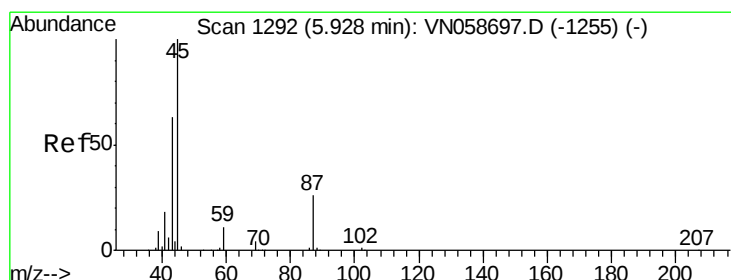
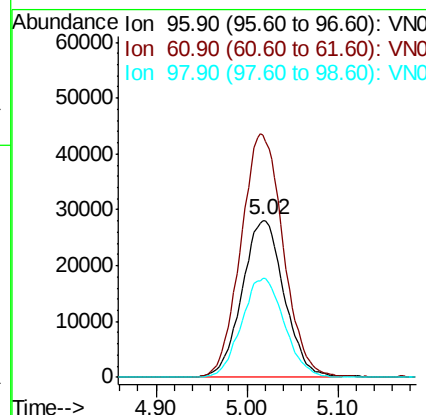
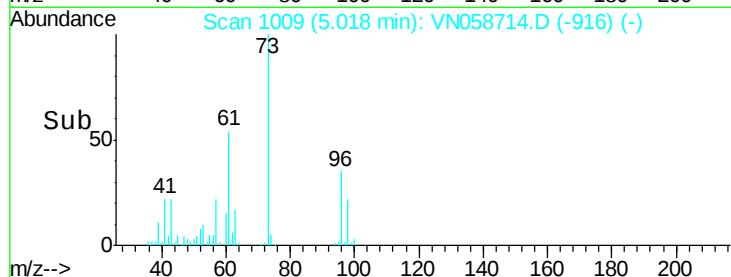
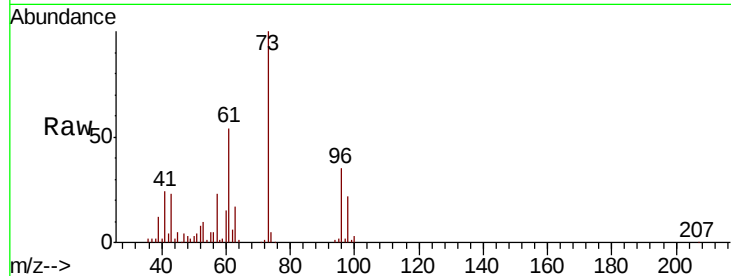
#21
trans-1,2-Dichloroethene
Concen: 20.445 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	123.6	185.4
98	63.2	52.1	78.1

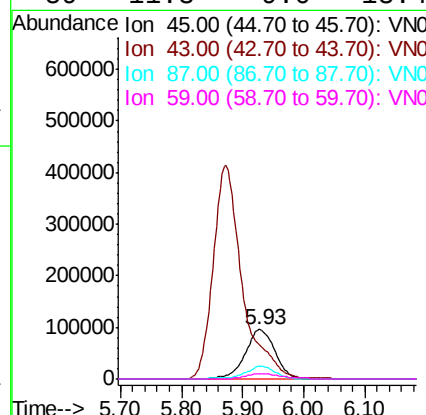
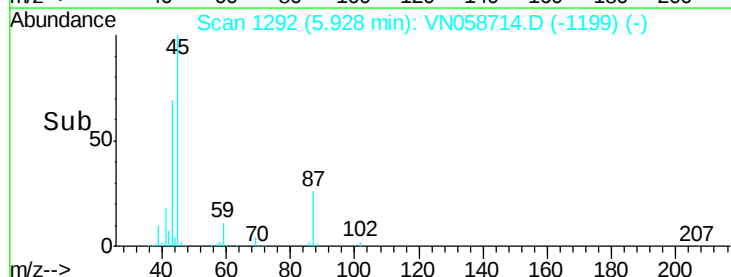
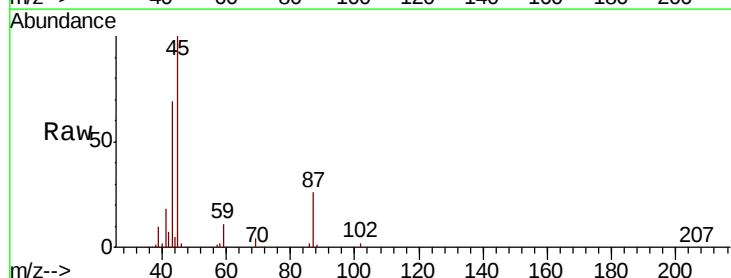
Manual Integrations
APPROVED

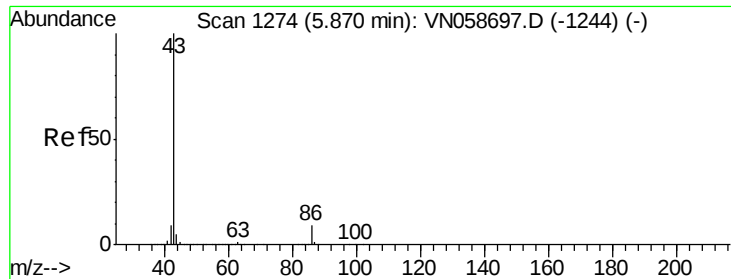
MMDadoda
10/16/2019 12:48:52 AM



#22
Diisopropyl ether
Concen: 21.124 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.3	50.6	75.8
87	25.8	21.1	31.7
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 110.174 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 43 Resp: 1379659

Ion Ratio Lower Upper

43 100

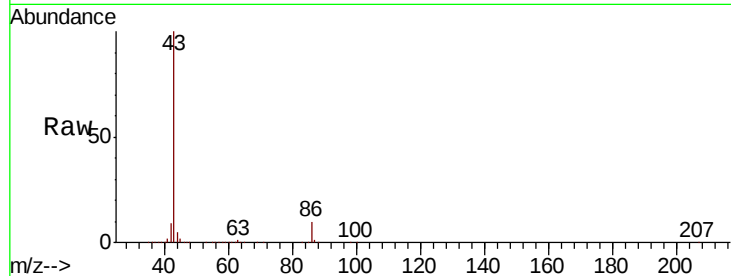
86 9.5 7.4 11.0

Manual Integrations

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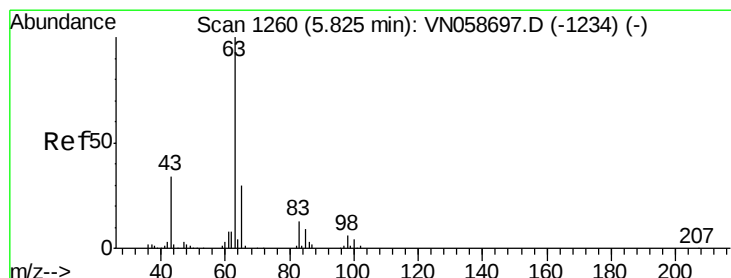
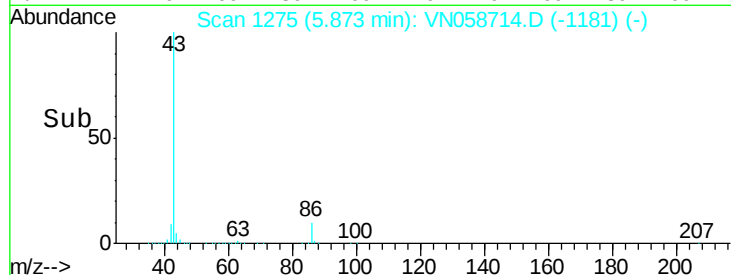
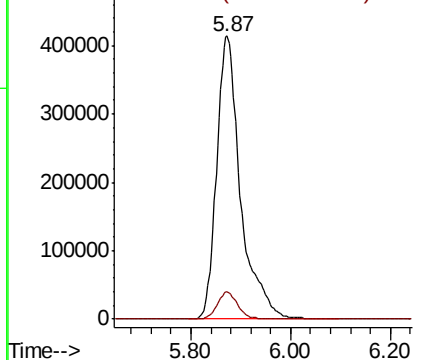
MMDadoda

10/16/2019 12:48:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.966 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

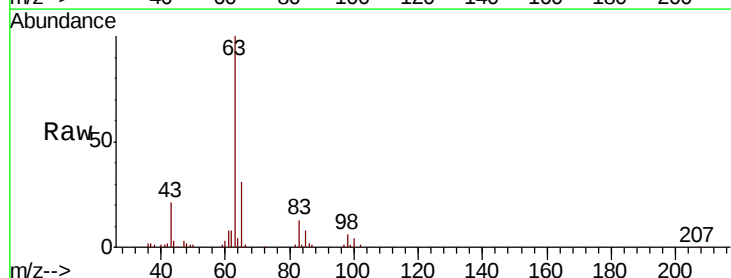
Tgt Ion: 63 Resp: 185310

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

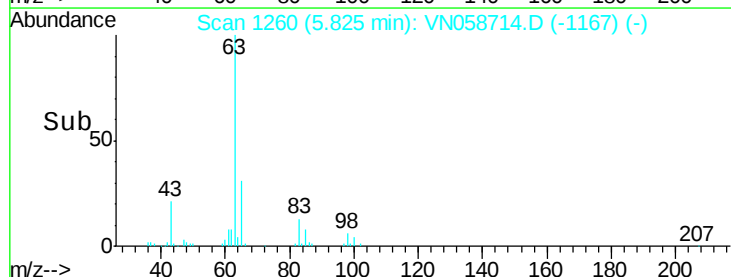
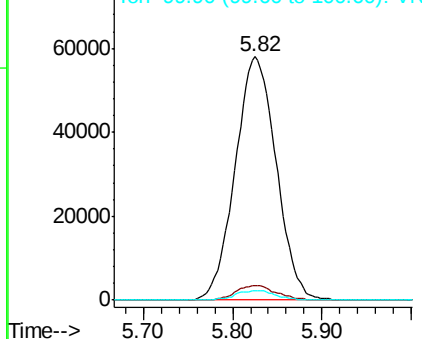
100 3.8 1.8 5.5

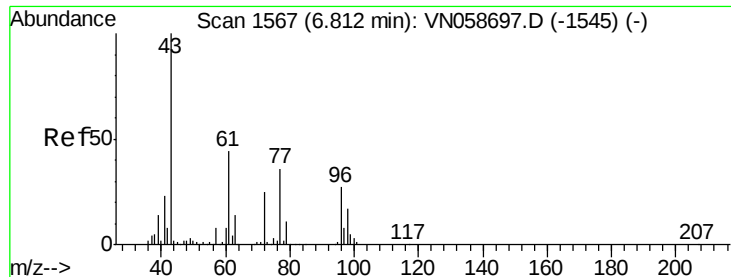


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.134 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 43 Resp: 359278

Ion Ratio Lower Upper

43 100

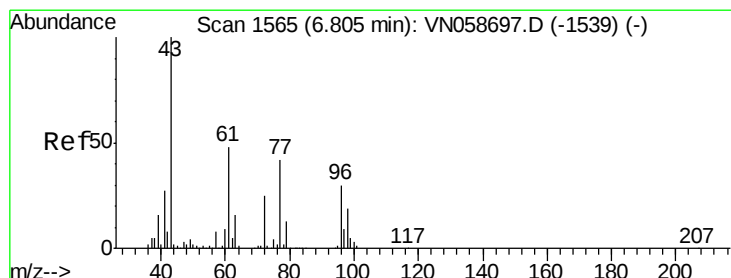
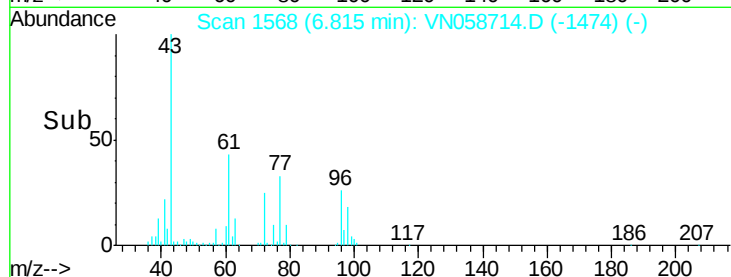
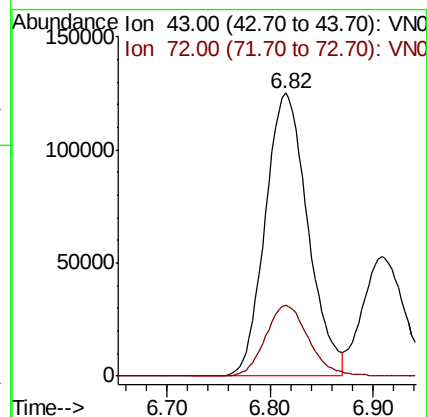
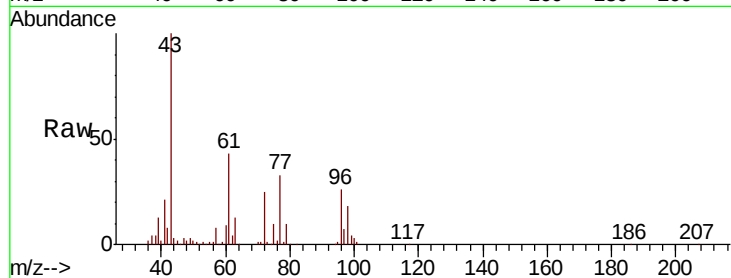
72 24.9 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 18.935 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058714.D

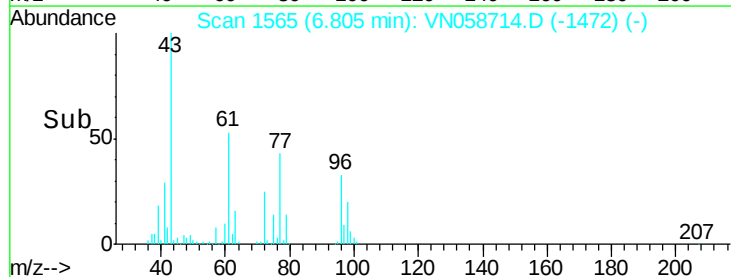
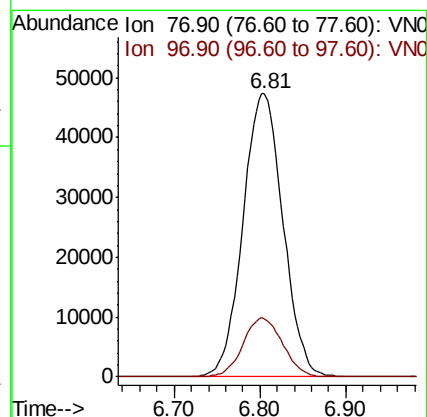
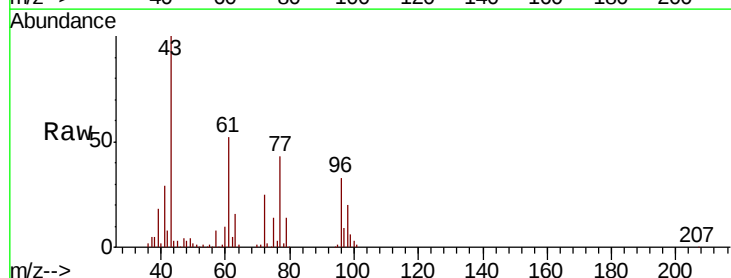
Acq: 11 Oct 2019 20:01

Tgt Ion: 77 Resp: 152770

Ion Ratio Lower Upper

77 100

97 20.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.197 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

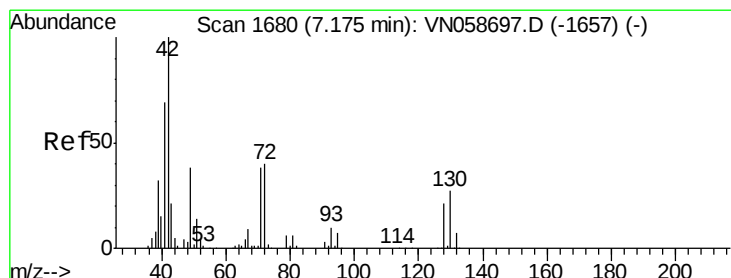
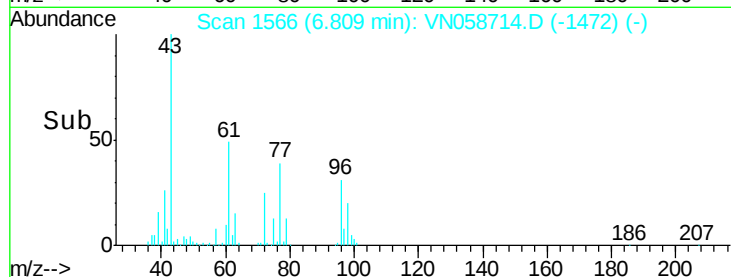
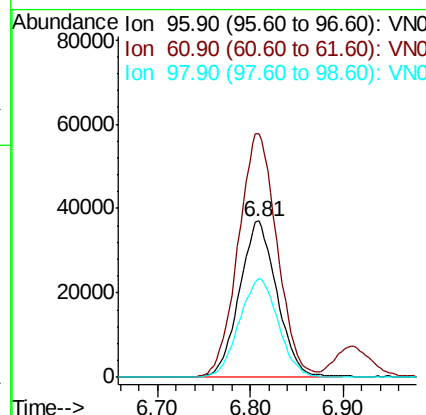
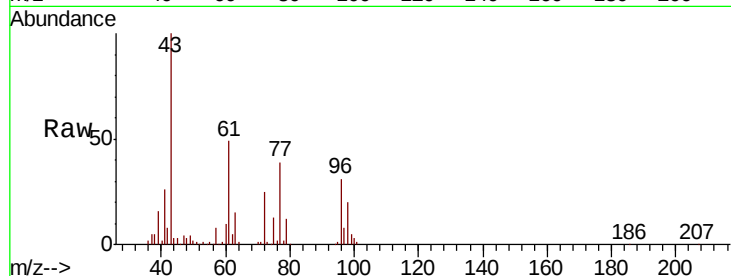
ClientSampleId :

VN1013WBSD01

Tot Ion:	96	Resp:	104197
Ion Ratio	Lower	Upper	
96	100		
61	160.8	0.0	324.8
98	65.5	0.0	129.2

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#28

Bromochloromethane

Concen: 20.953 ug/l

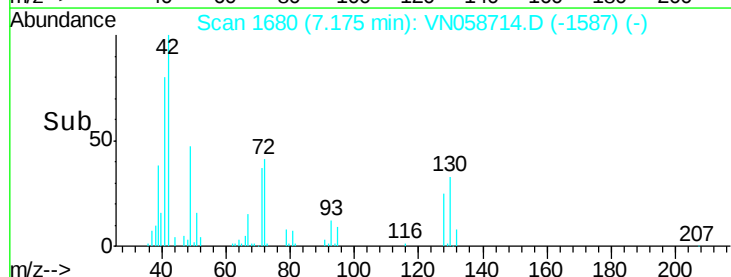
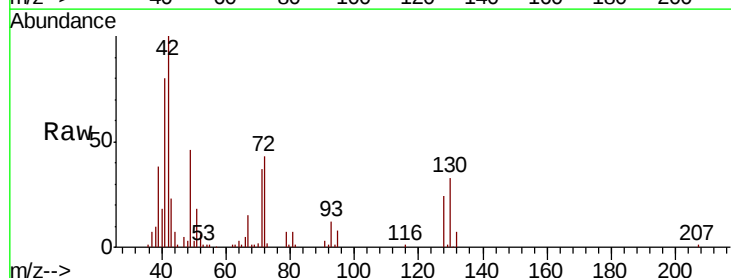
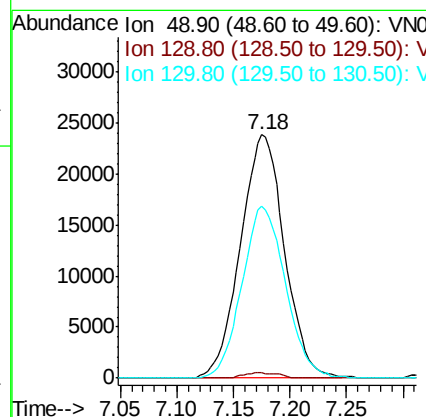
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	49	Resp:	64428
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.6
130	70.2	55.0	82.4





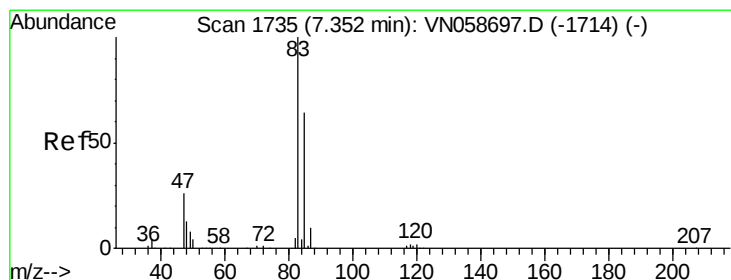
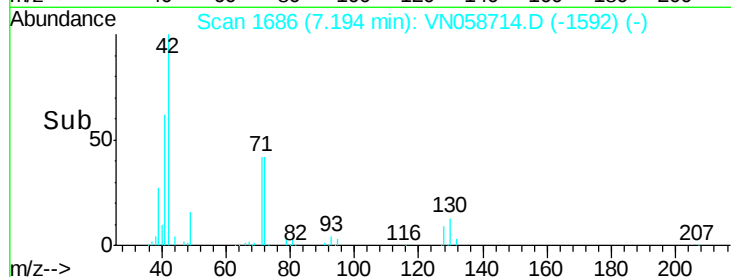
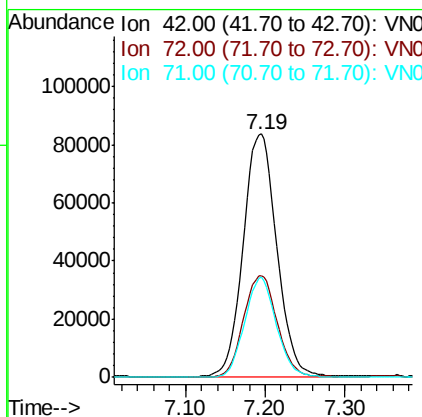
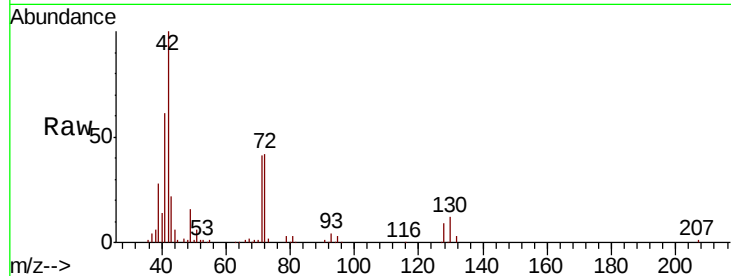
#29
Tetrahydrofuran
Concen: 106.647 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.8	49.2
71	38.8	31.1	46.7

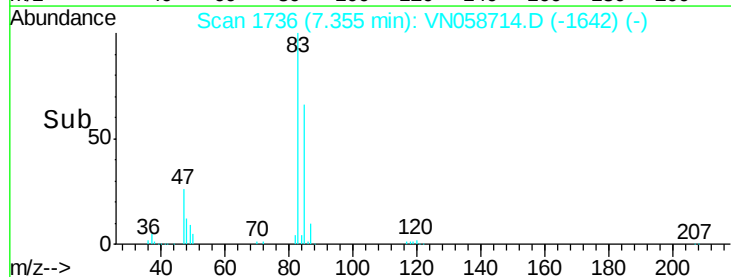
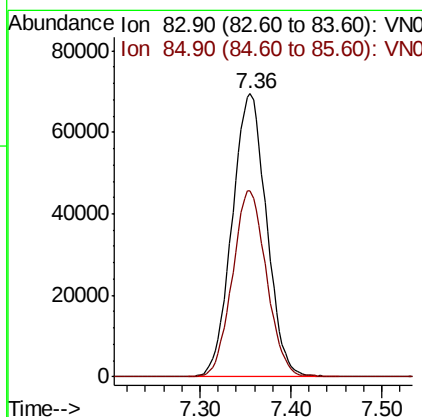
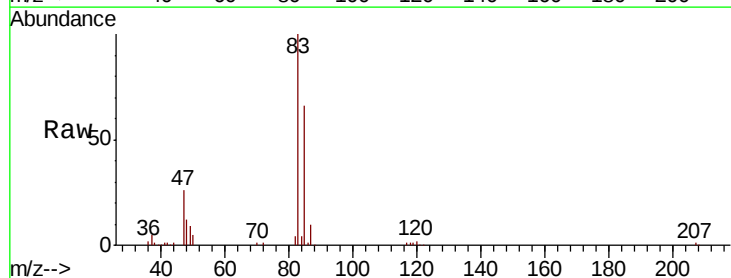
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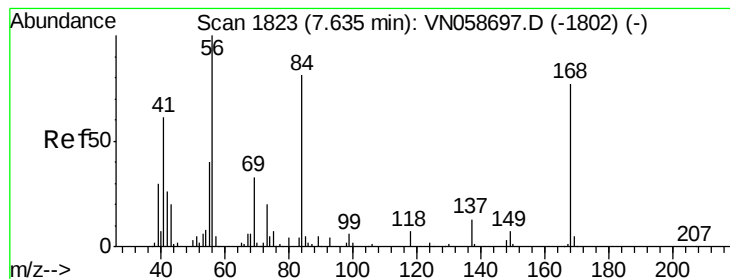
MMDadoda
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#30
Chloroform
Concen: 20.563 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.6





#31

Cyclohexane

Concen: 20.125 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

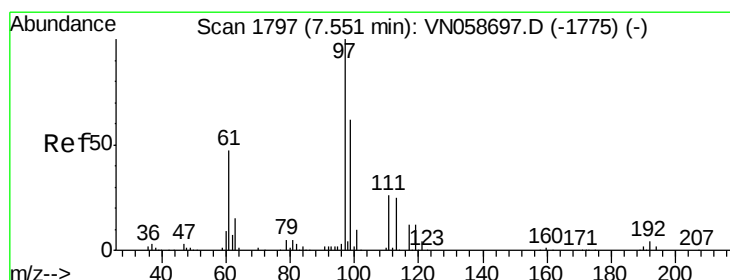
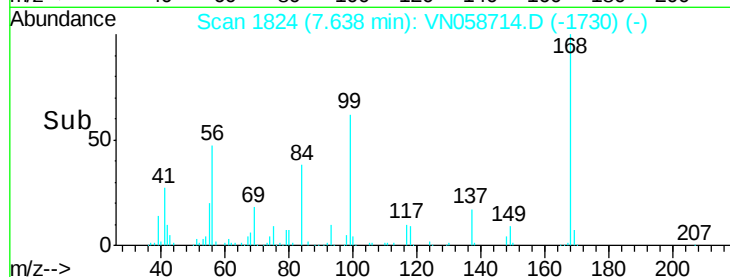
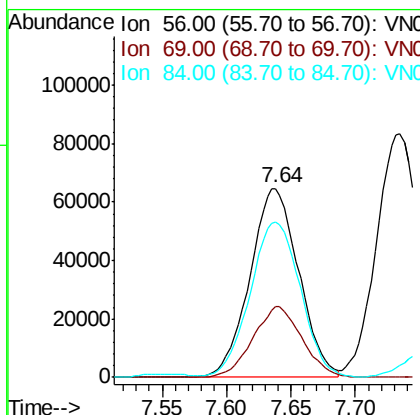
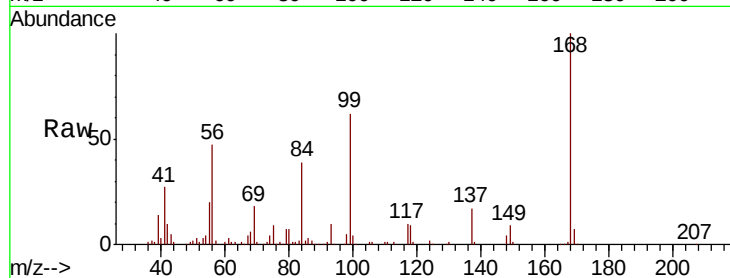
ClientSampleId :

VN1013WBSD01

Tot Ion:	56	Resp:	170201
Ion Ratio	Lower	Upper	
56	100		
69	37.7	26.2	39.4
84	81.1	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 20.837 ug/l

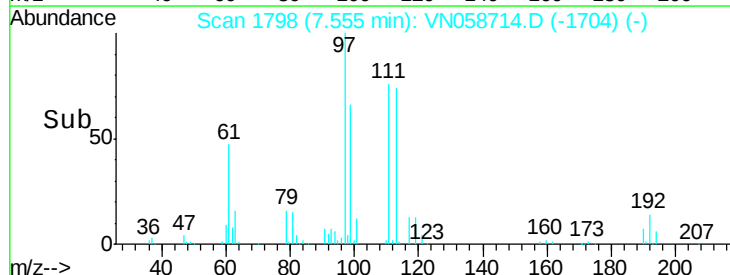
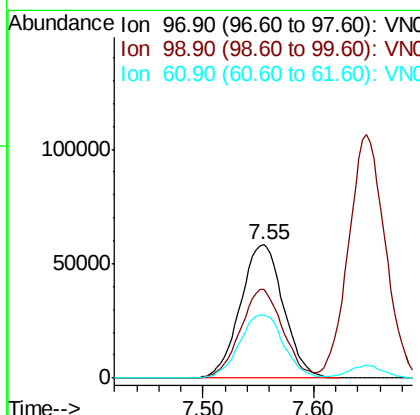
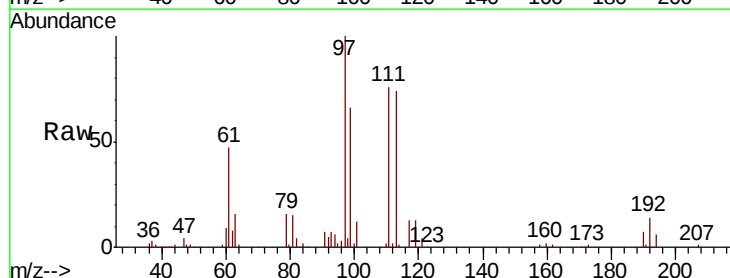
RT: 7.55 min Scan# 1798

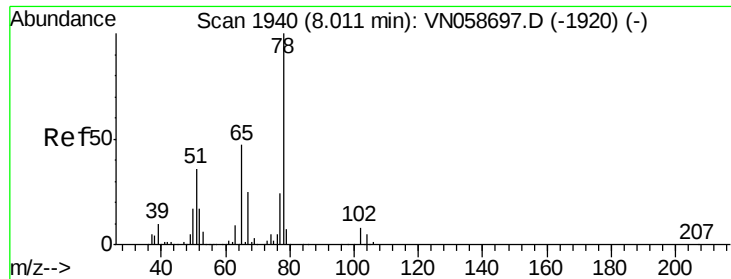
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	97	Resp:	157804
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.8	76.2
61	48.3	38.1	57.1





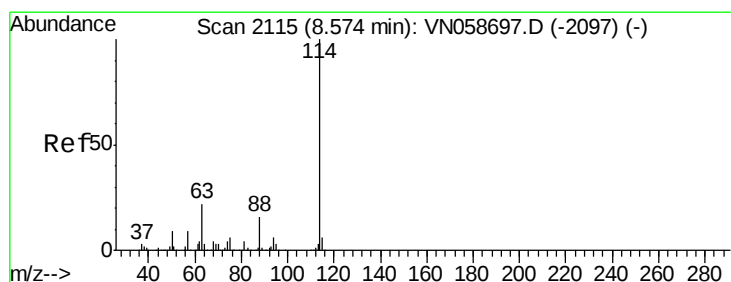
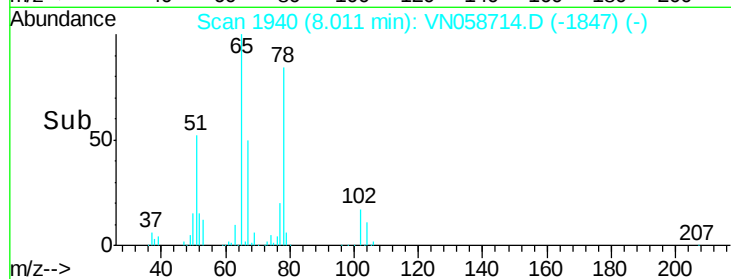
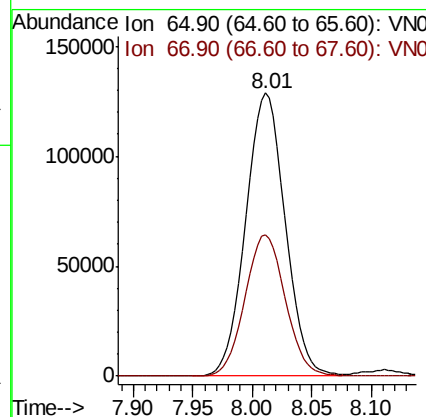
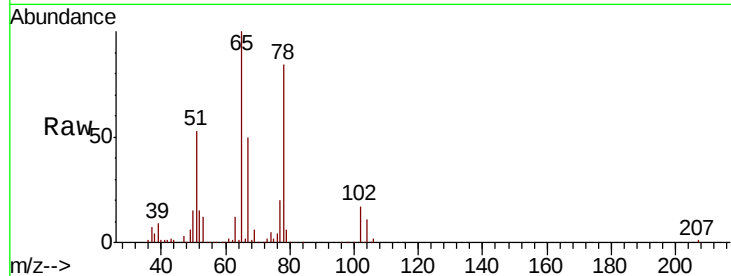
#33
 1,2-Dichloroethane-d4
 Concen: 51.431 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296536		
67	51.0	0.0	103.8	

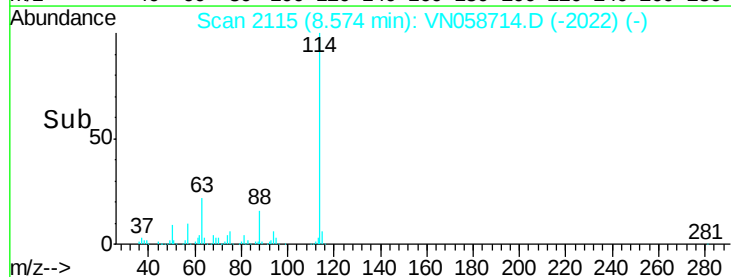
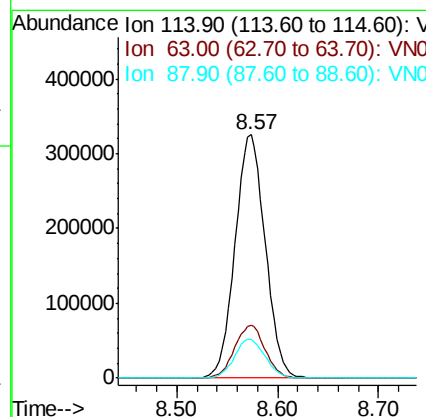
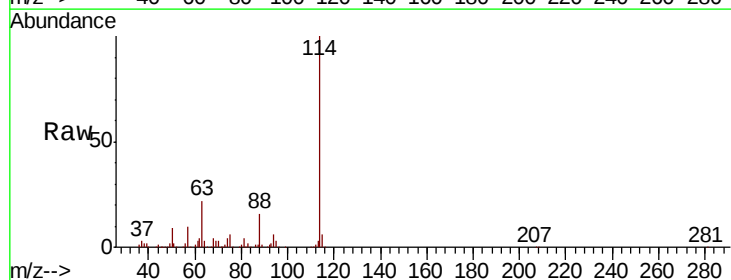
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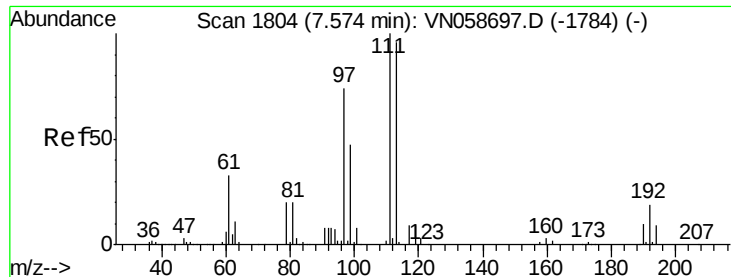
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	675770		
63	21.7	0.0	43.8	
88	15.8	0.0	32.0	





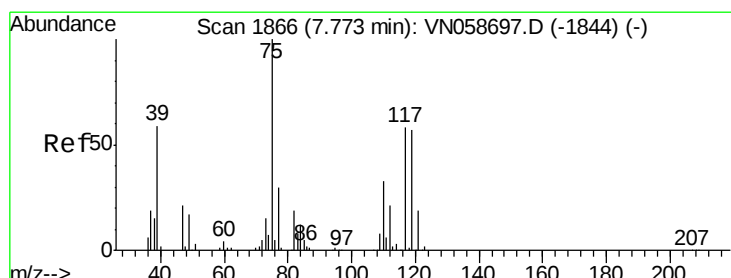
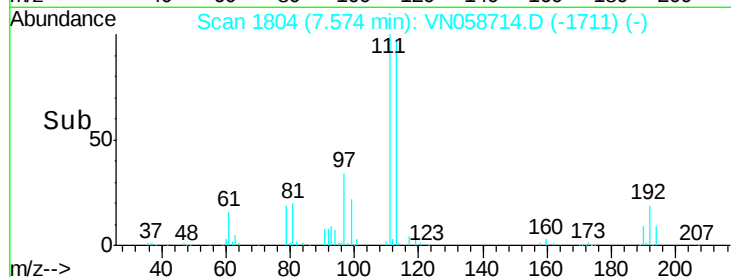
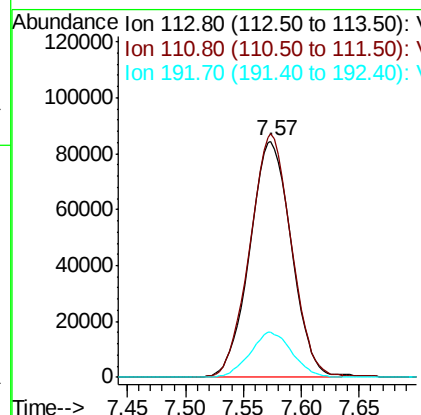
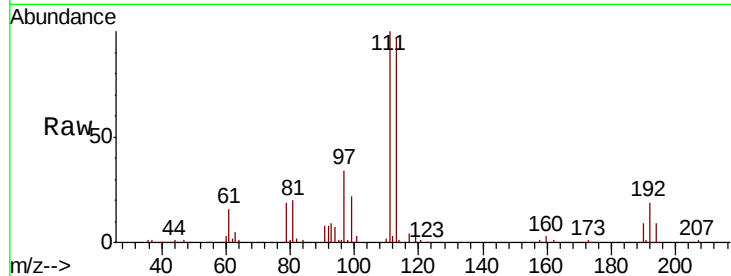
#35
 Dibromofluoromethane
 Concen: 50.575 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211105		
111	102.9	82.3	123.5	
192	19.3	15.0	22.6	

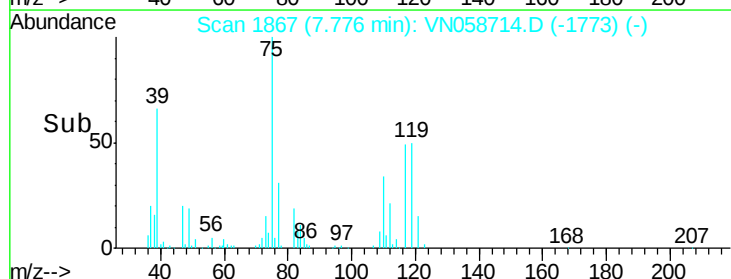
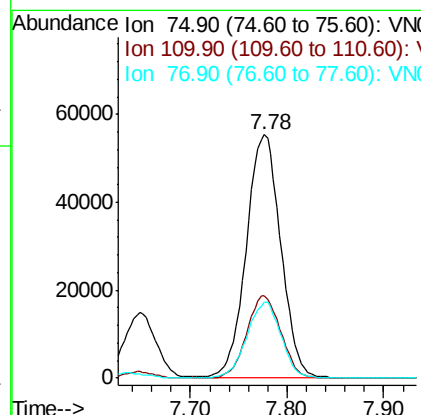
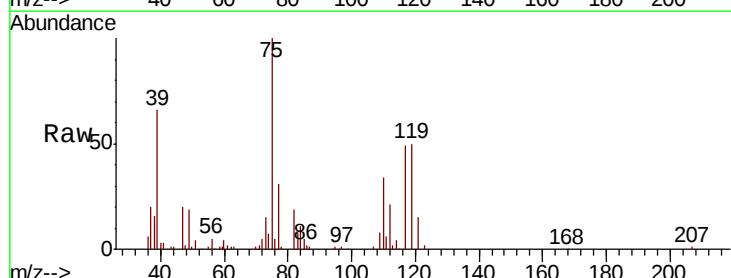
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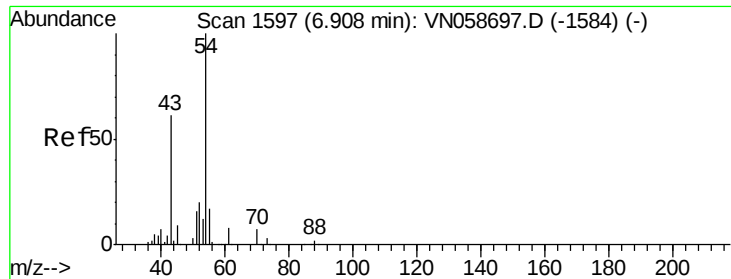
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#36
 1,1-Dichloropropene
 Concen: 20.005 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136681		
110	33.4	16.6	49.8	
77	31.2	24.6	37.0	





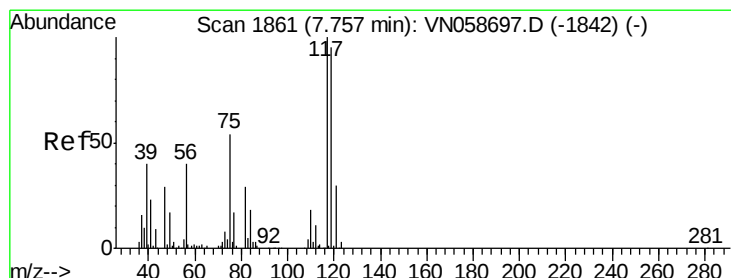
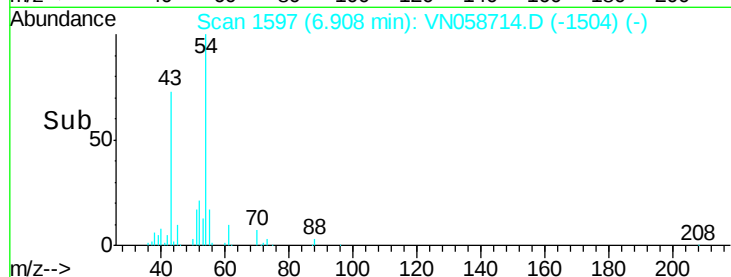
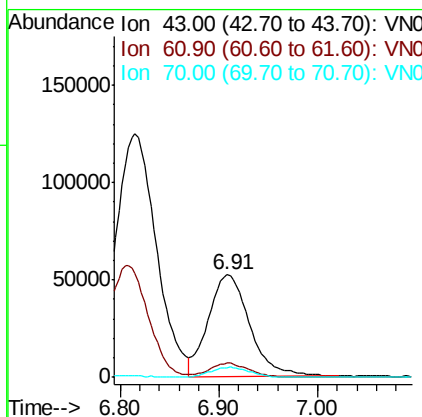
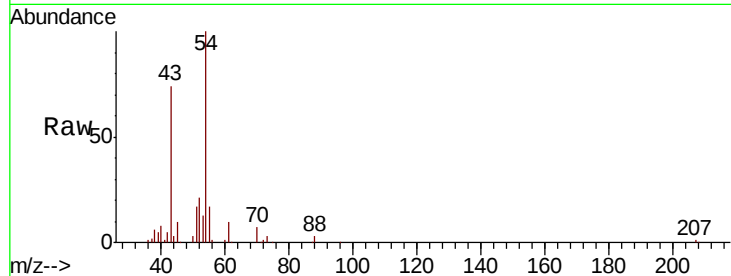
#37
Ethyl Acetate
Concen: 22.138 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	43	61	70
Resp	152969		
Ratio	100	13.5	9.5
Lower		11.3	7.2
Upper		16.9	10.8

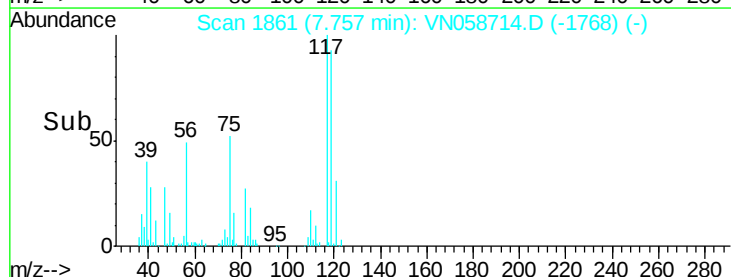
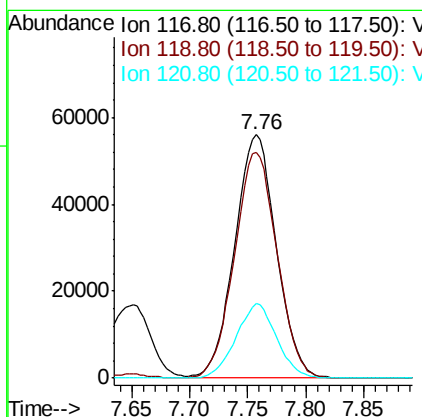
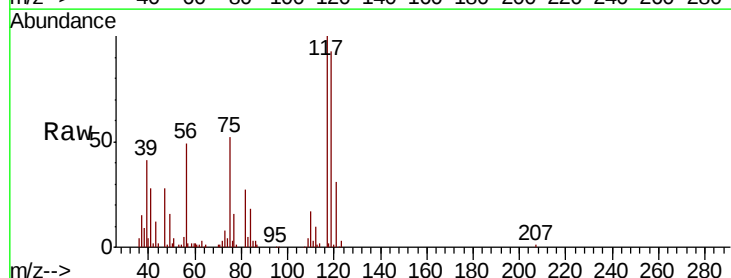
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#38
Carbon Tetrachloride
Concen: 21.051 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	117	119	121
Resp	140177		
Ratio	100	92.5	30.7
Lower		75.7	23.9
Upper		113.5	35.9





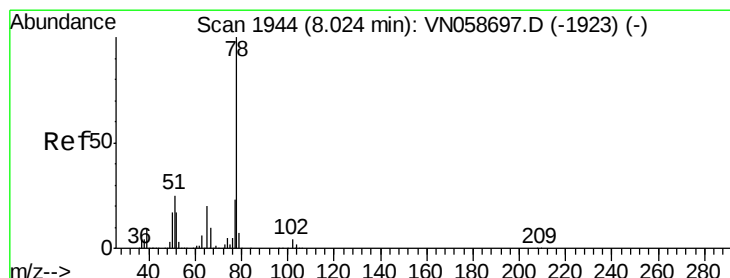
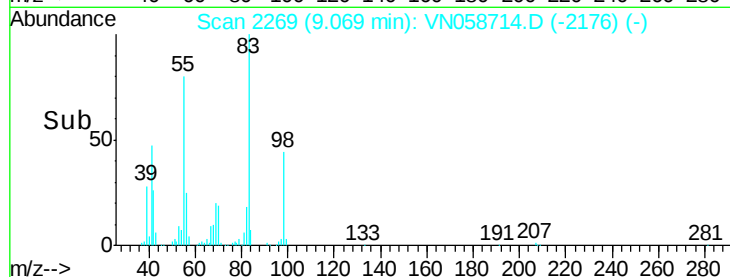
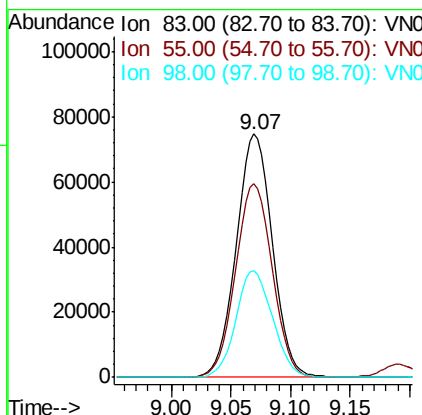
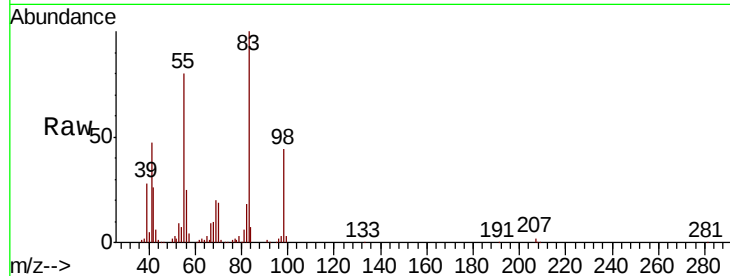
#39
Methvlcvclohexane
Concen: 19.837 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.4	95.0
98	44.1	35.1	52.7

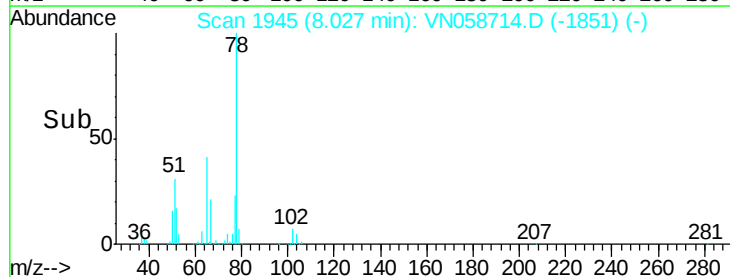
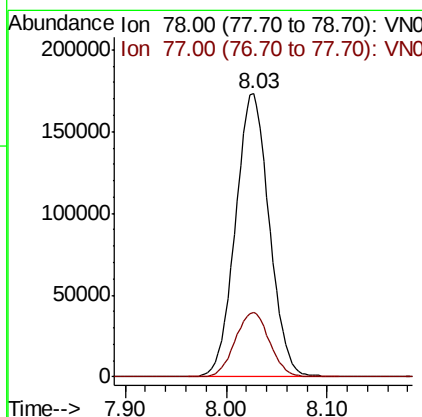
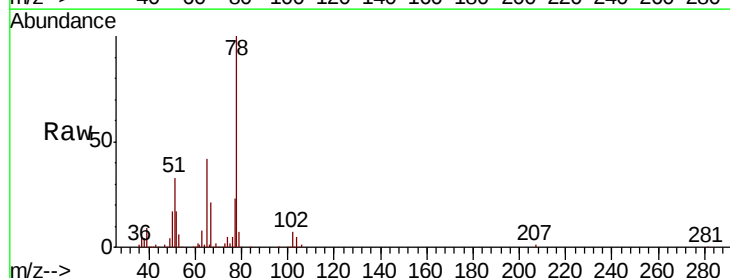
Manual Integrations
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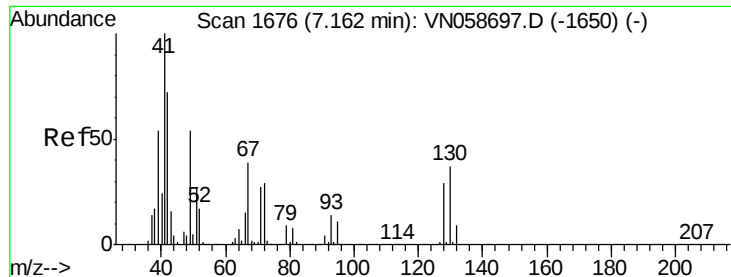
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#40
Benzene
Concen: 20.523 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





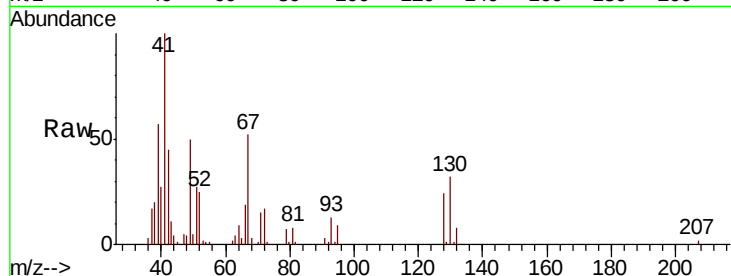
#41
Methacrylonitrile
Concen: 18.800 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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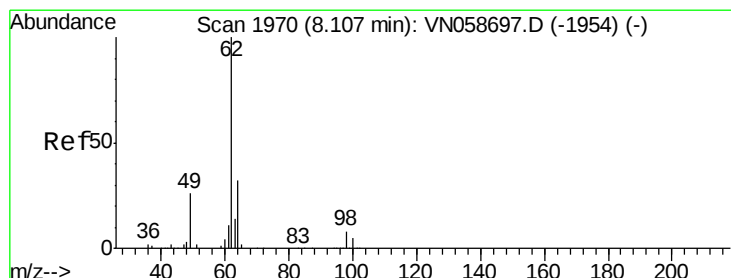
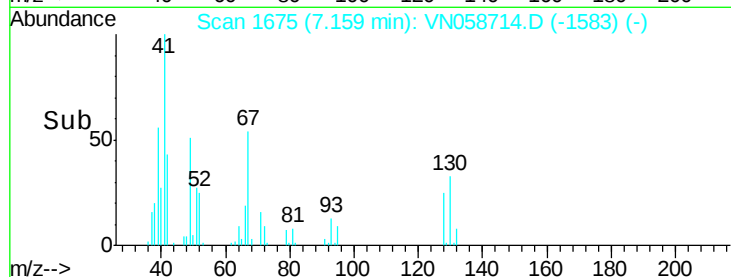
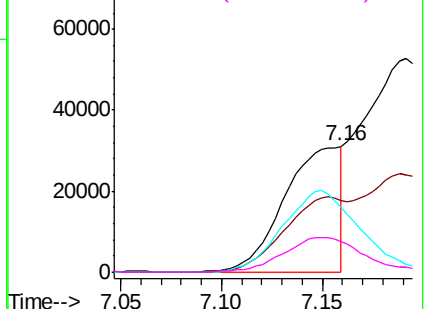
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

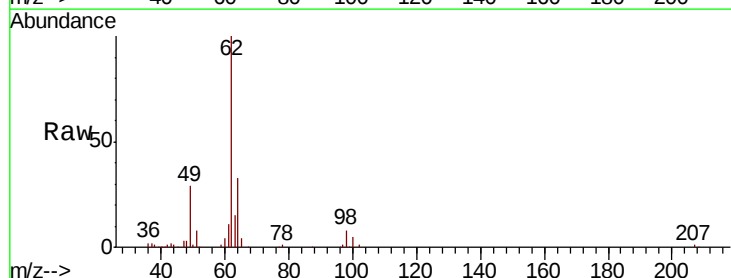
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.668 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

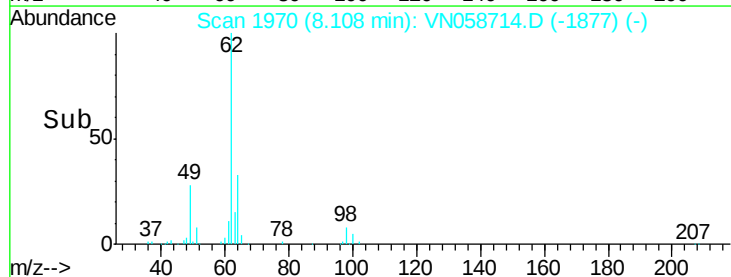
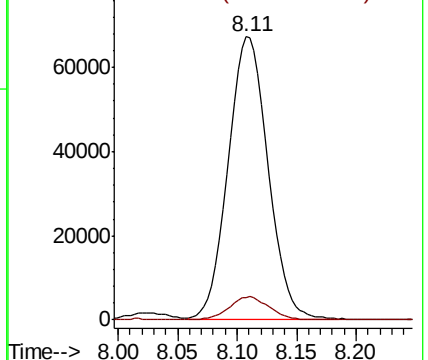
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8



Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





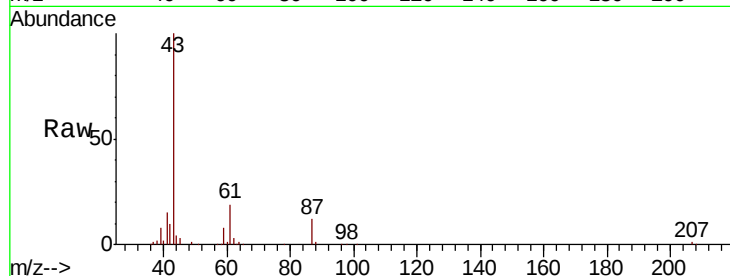
#43
Isopropyl Acetate
Concen: 20.245 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

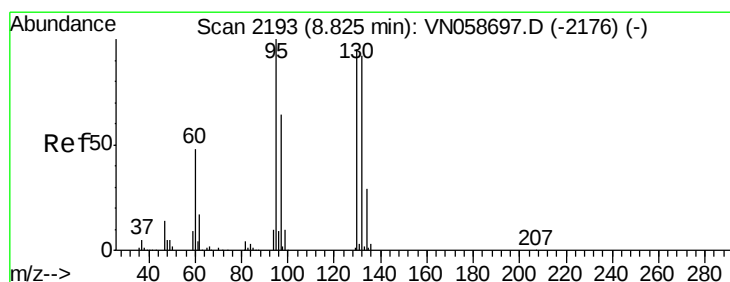
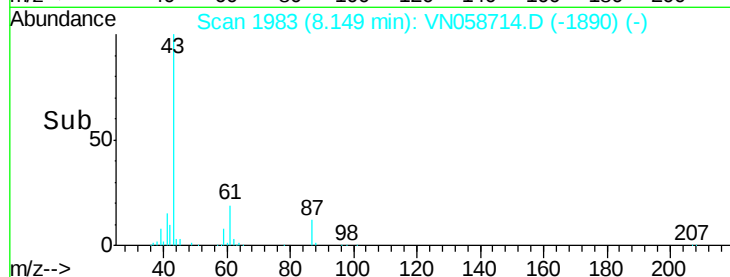
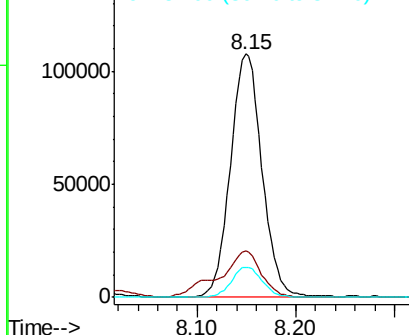
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	20.3	30.5#
87	12.1	9.8	14.6

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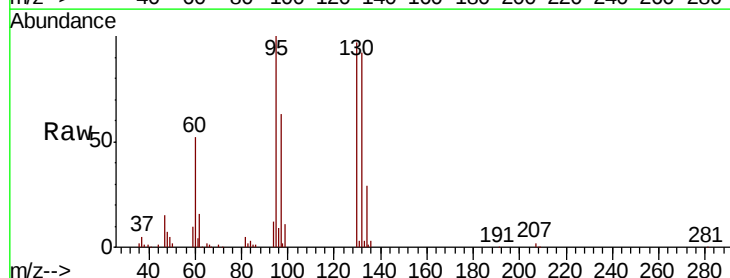


Abundance Ion 43.00 (42.70 to 43.70): VN058714.D (-1890) (-)
Ion 61.00 (60.70 to 61.70): VN058714.D (-1890) (-)
Ion 87.00 (86.70 to 87.70): VN058714.D (-1890) (-)

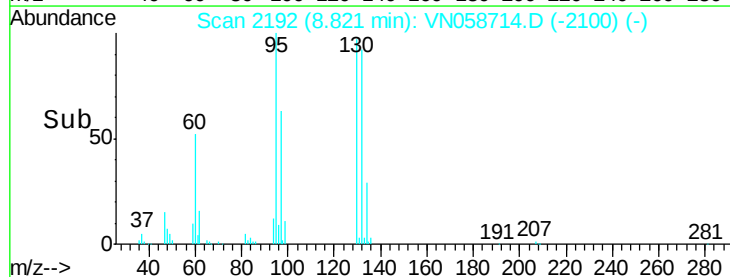
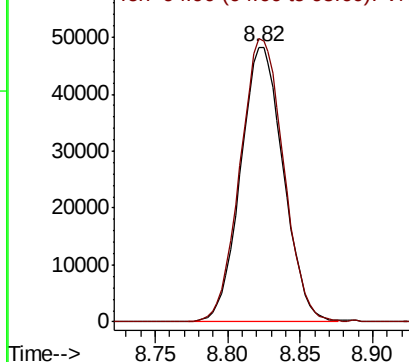


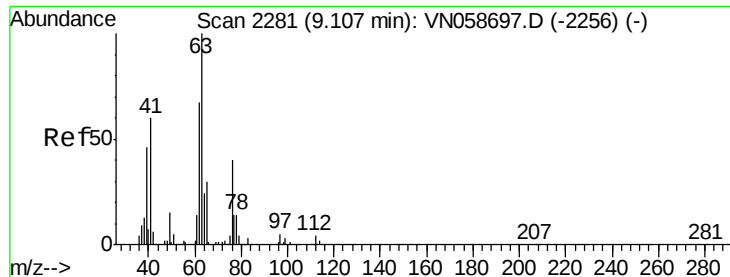
#44
Trichloroethene
Concen: 20.328 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058714.D (-2100) (-)
Ion 94.90 (94.60 to 95.60): VN058714.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 20.695 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 63 Resp: 108713

Ion Ratio Lower Upper

63 100

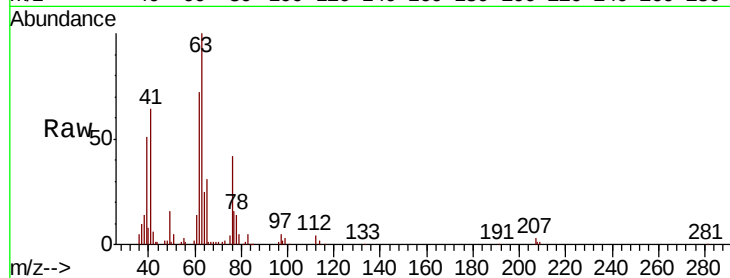
65 31.0 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

60000

50000

40000

30000

20000

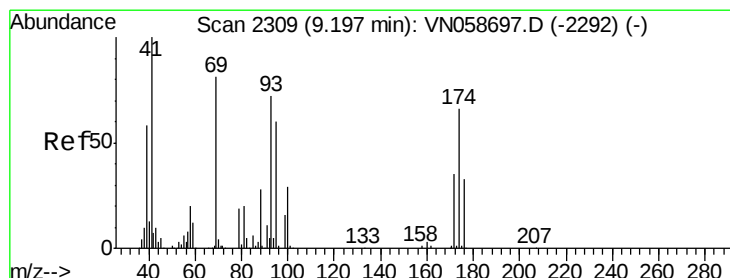
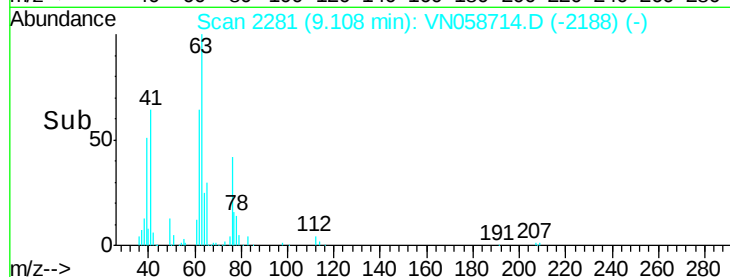
10000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.740 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

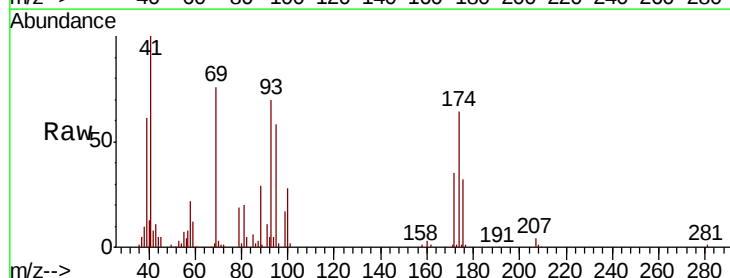
Tgt Ion: 93 Resp: 69073

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 93.3 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

40000

30000

20000

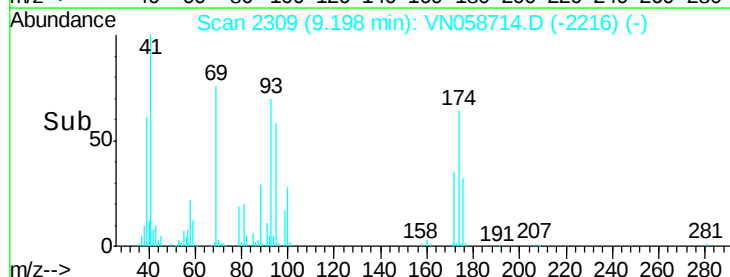
10000

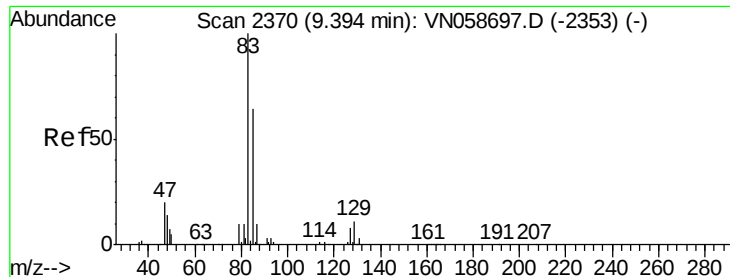
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 20.473 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

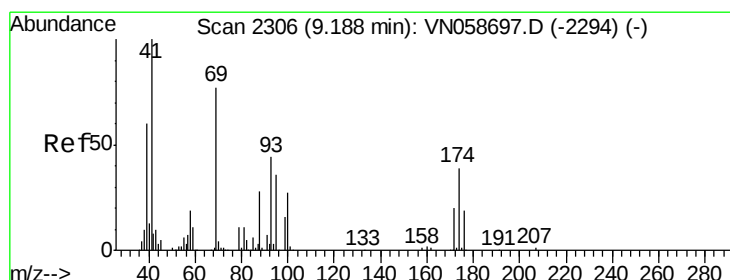
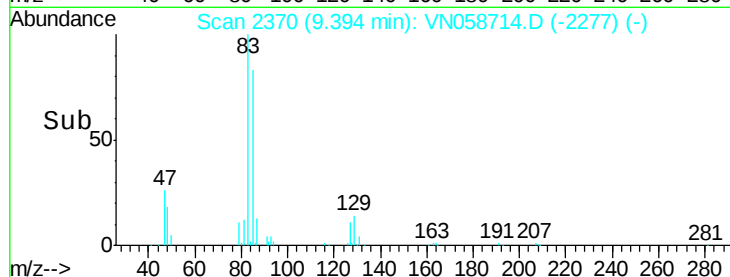
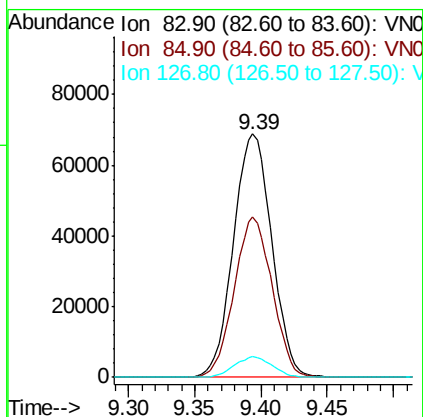
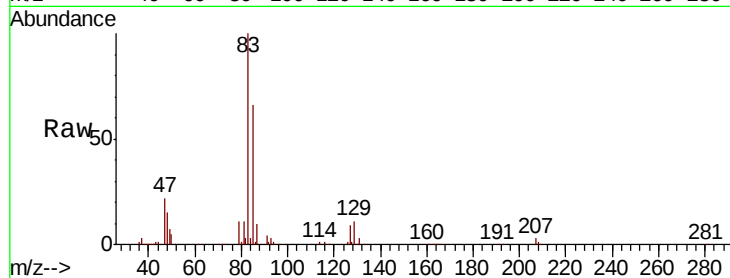
ClientSampleId :

VN1013WBSD01

Tot Ion:	83	Resp:	138847
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.9	76.3
127	8.5	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.972 ug/l

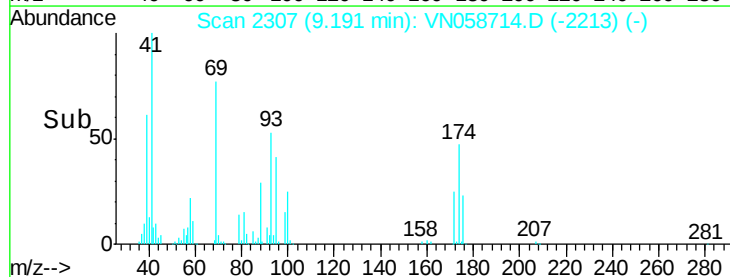
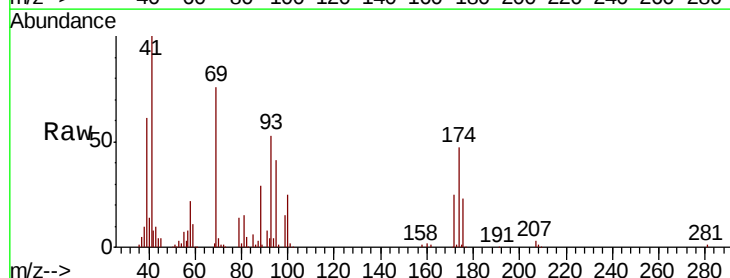
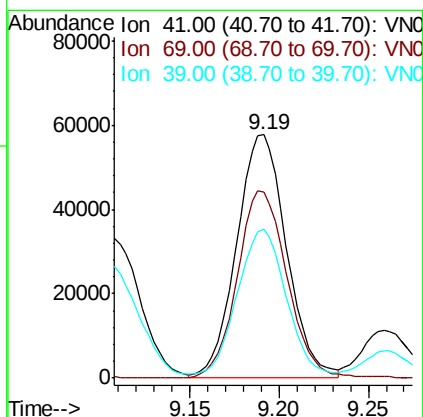
RT: 9.19 min Scan# 2307

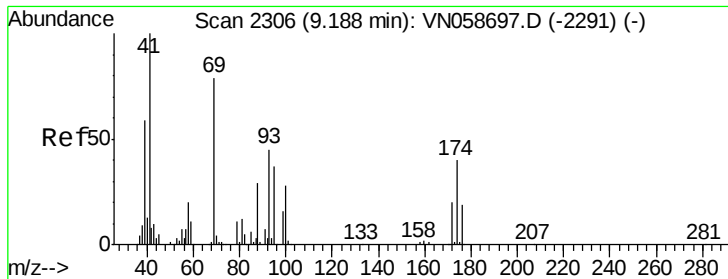
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	41	Resp:	111902
Ion Ratio	Lower	Upper	
41	100		
69	77.5	63.4	95.2
39	60.7	48.9	73.3





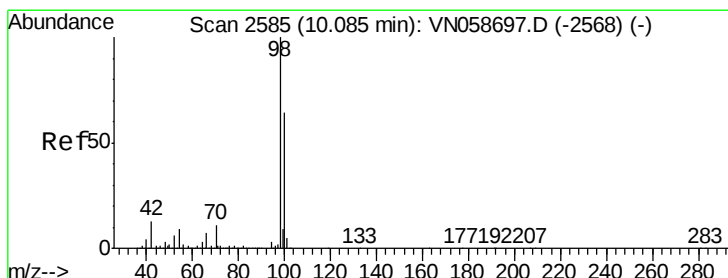
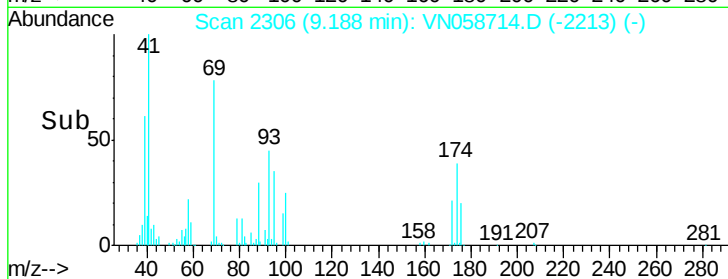
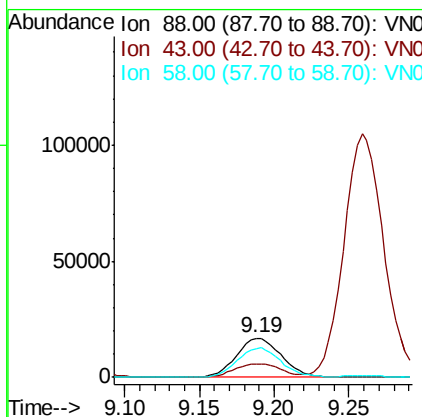
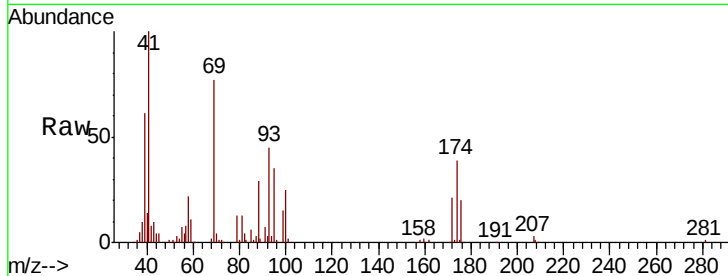
#49
1,4-Dioxane
Concen: 425.047 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.6	43.0
58	74.0	57.2	85.8

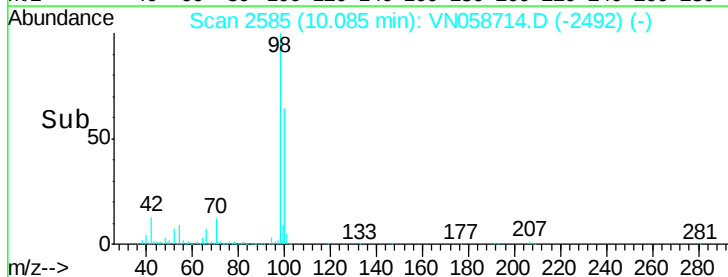
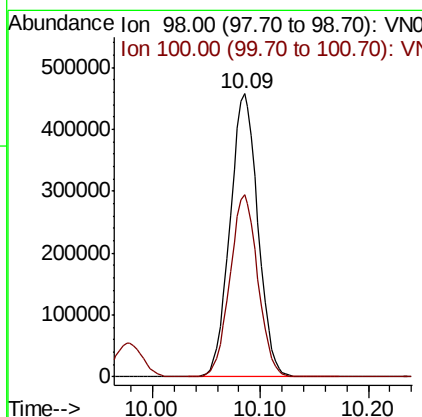
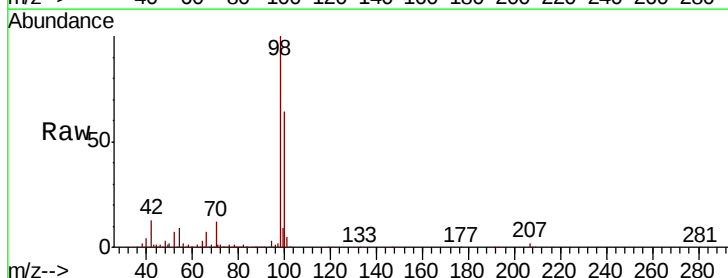
Manual Integrations
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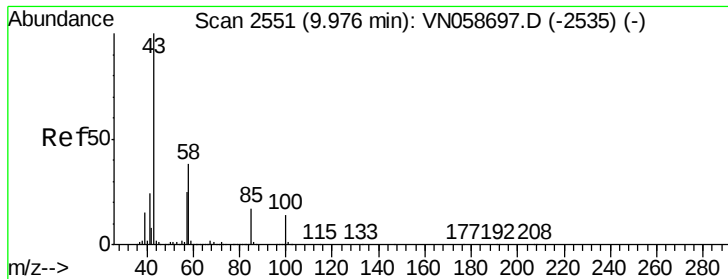
MMDadoda
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#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 112.097 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 43 Resp: 741069

Ion Ratio Lower Upper

43 100

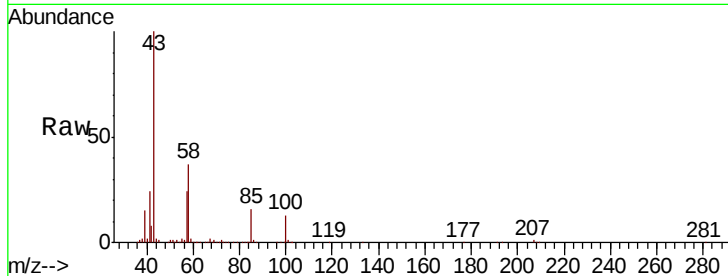
58 37.0 30.3 45.5

Manual Integrations

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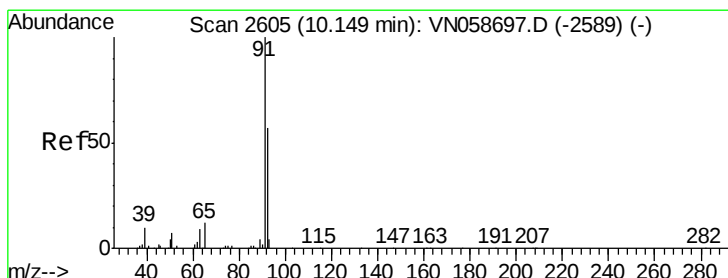
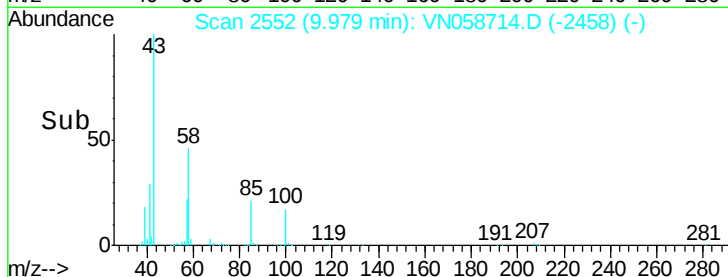
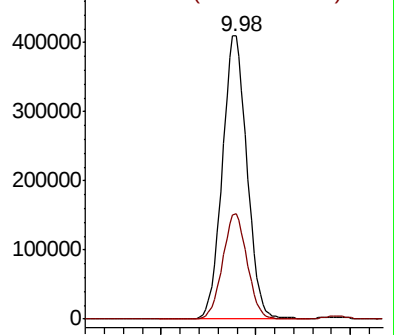
MMDadoda

10/16/2019 12:48:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.490 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058714.D

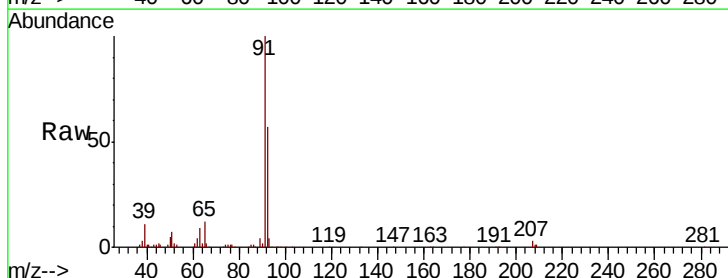
Acq: 11 Oct 2019 20:01

Tgt Ion: 92 Resp: 245922

Ion Ratio Lower Upper

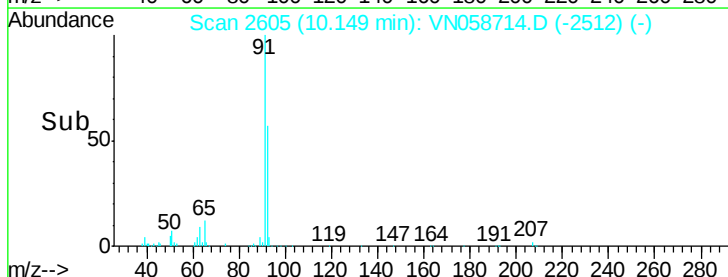
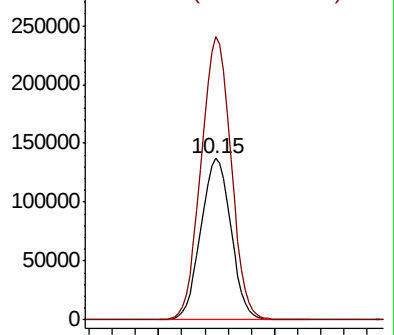
92 100

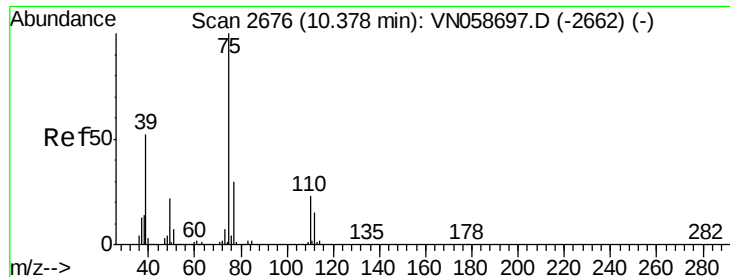
91 174.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





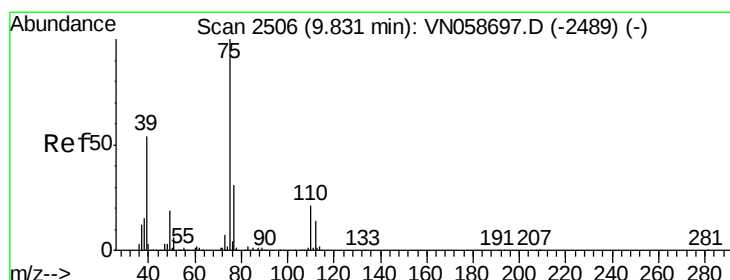
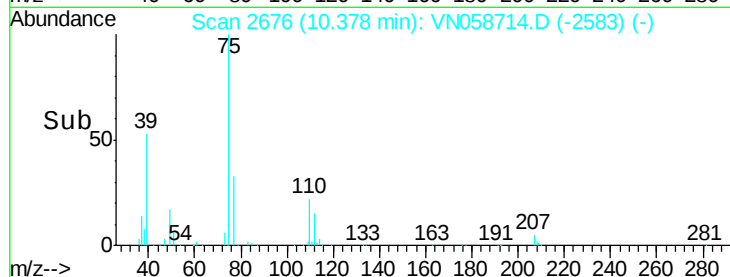
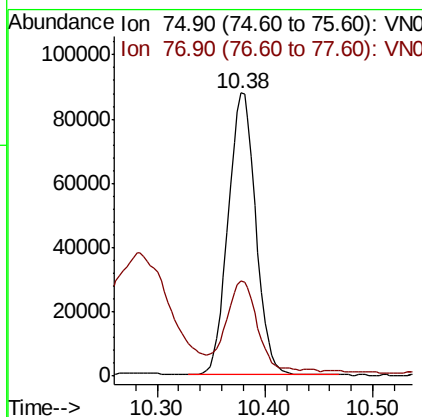
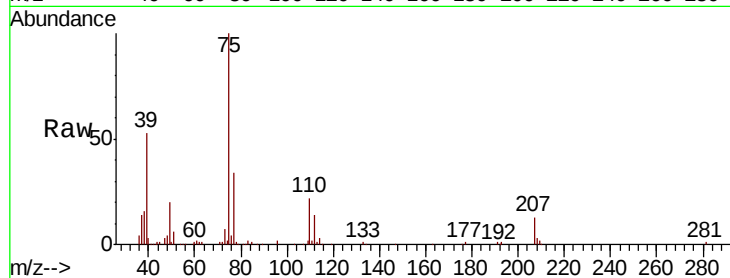
#53
t-1,3-Dichloropropene
Concen: 20.164 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.4

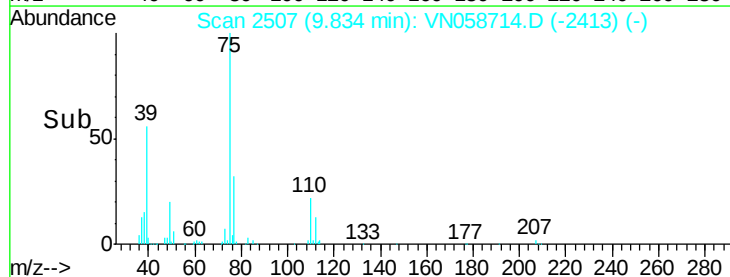
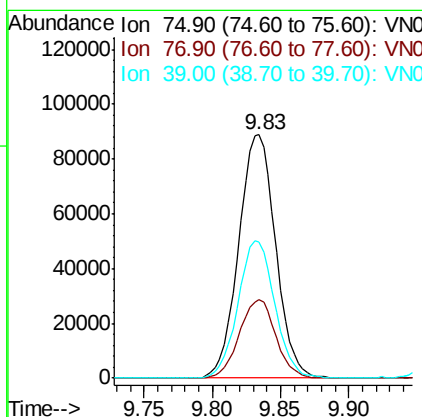
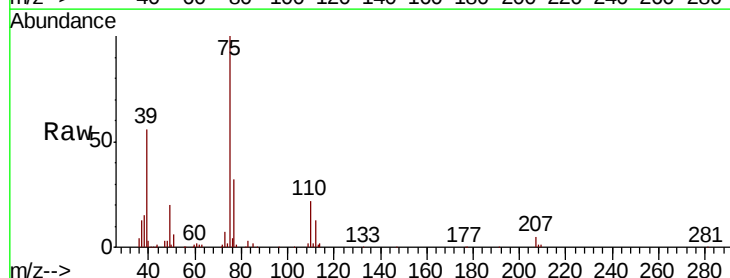
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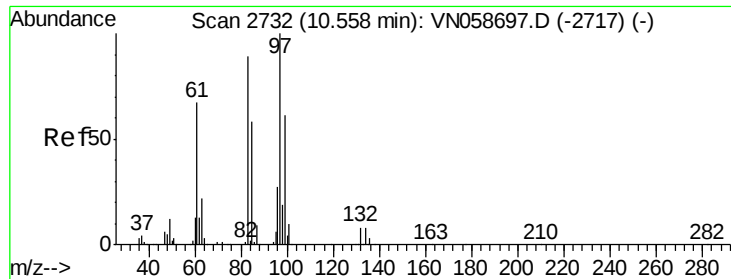
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#54
cis-1,3-Dichloropropene
Concen: 20.225 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.4	36.6
39	55.5	43.1	64.7





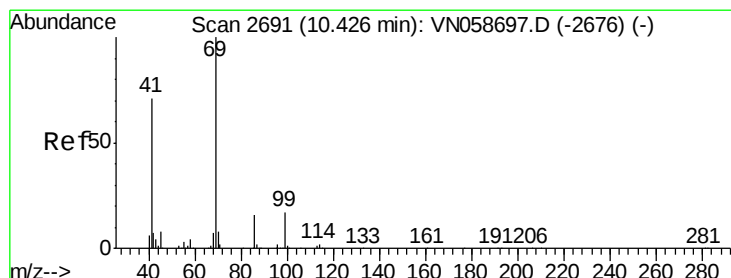
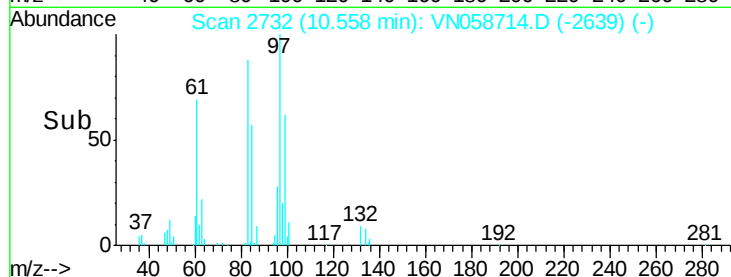
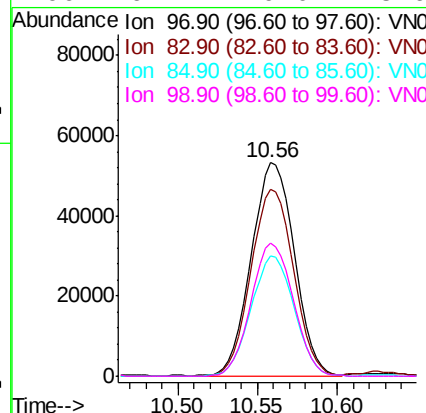
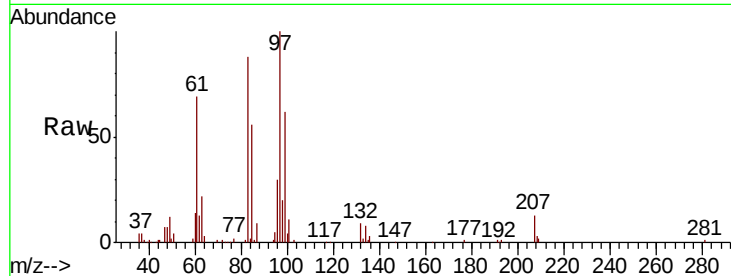
#55
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	97	100		
83	83	87.6	71.2	106.8
85	85	56.4	46.7	70.1
99	99	62.1	49.0	73.6

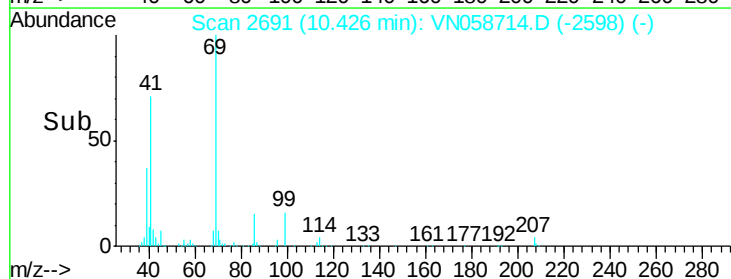
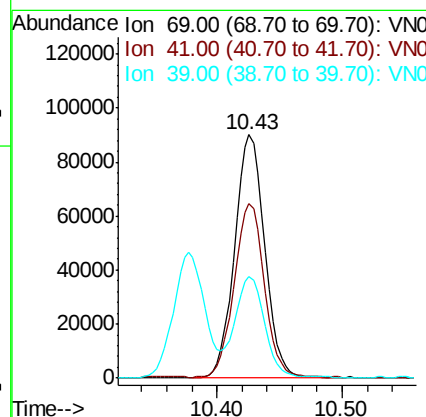
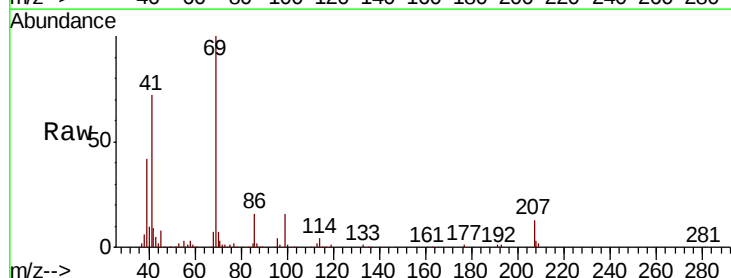
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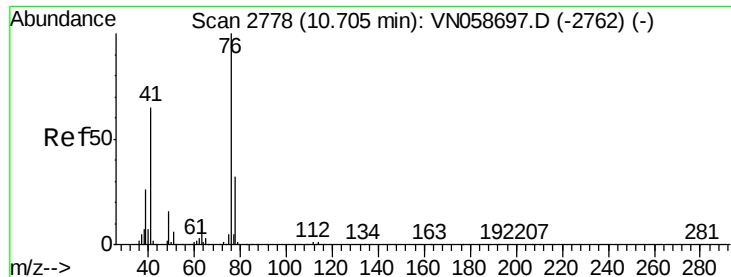
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 10/16/2019 12:48:52 AM



#56
 Ethyl methacrylate
 Concen: 20.899 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Lower	Upper
69	69	100		
41	41	71.3	56.8	85.2
39	39	41.1	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.613 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 76 Resp: 172547

Ion Ratio Lower Upper

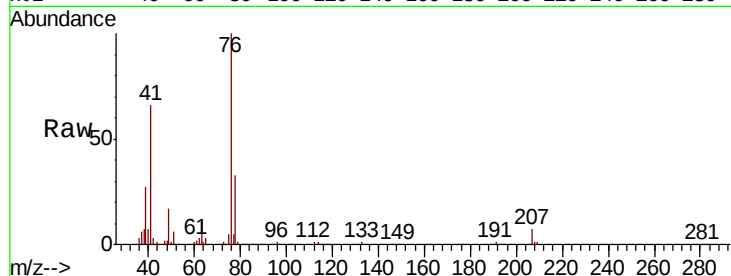
76 100

78 32.2 25.9 38.9

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

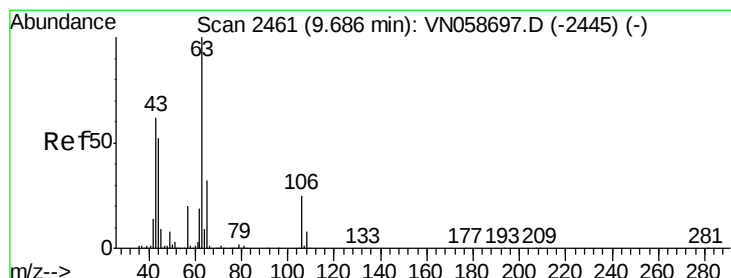
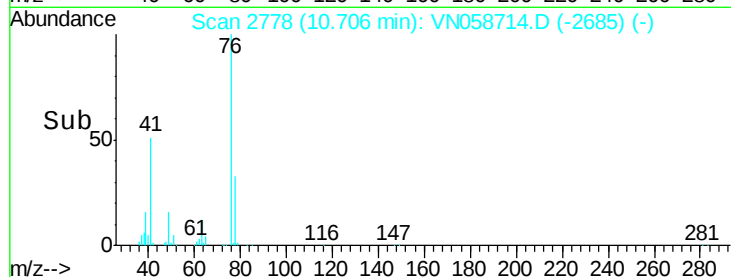
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.954 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058714.D

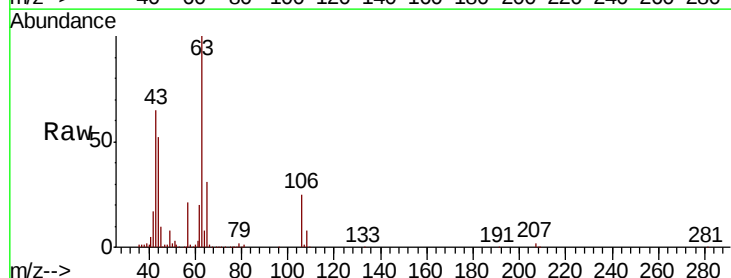
Acq: 11 Oct 2019 20:01

Tgt Ion: 63 Resp: 349145

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

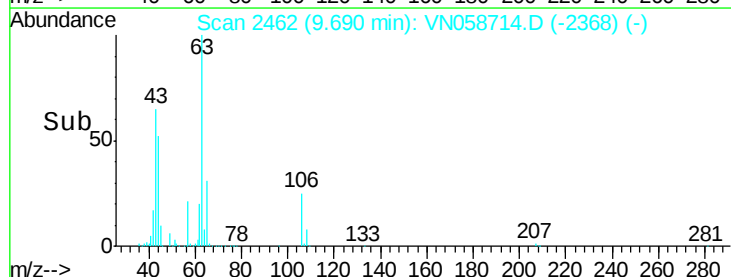
150000

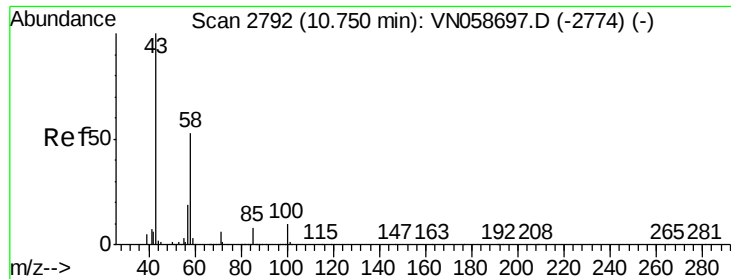
100000

50000

0

Time--> 9.60 9.70 9.80





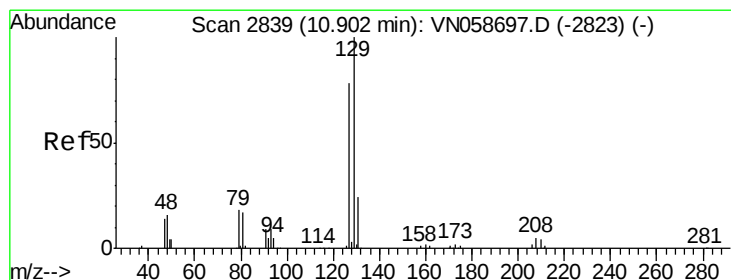
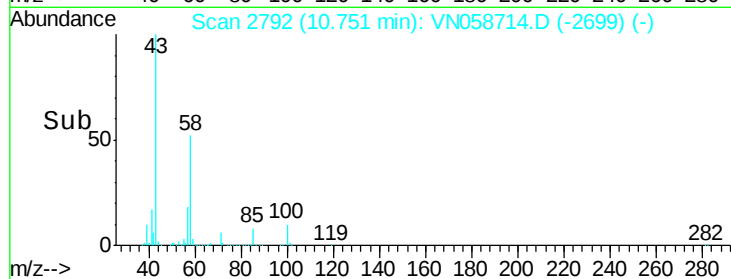
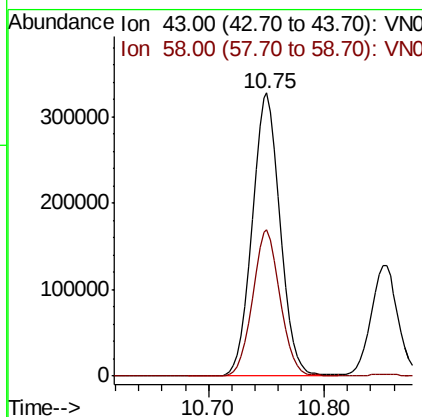
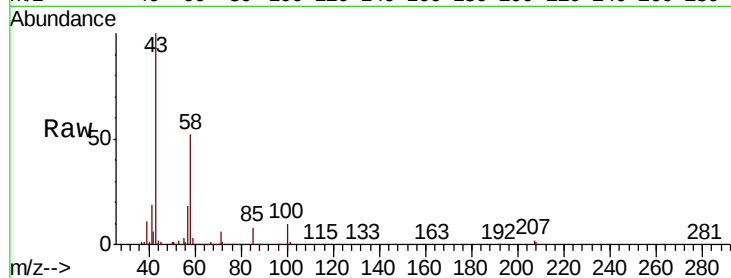
#59
2-Hexanone
Concen: 108.057 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion: 43 Resp: 552060
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3

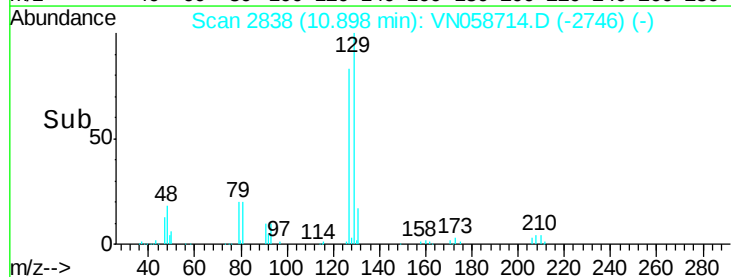
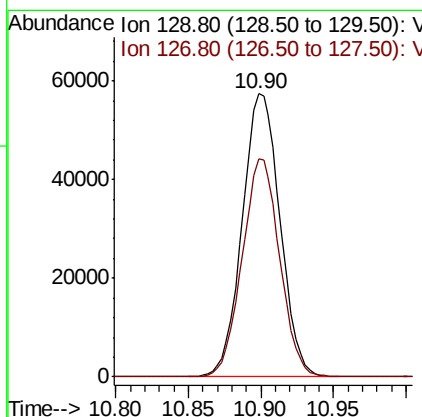
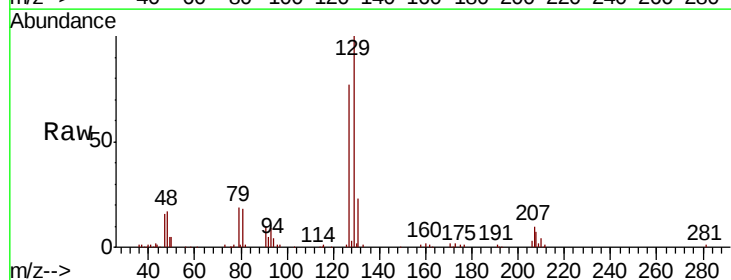
Manual Integrations
APPROVED

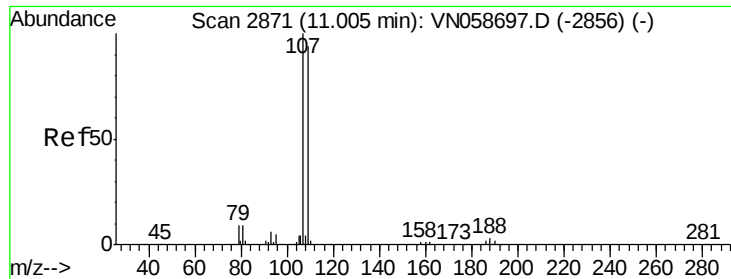
MMDadoda
10/16/2019 12:48:52 AM



#60
Dibromochloromethane
Concen: 20.551 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 129 Resp: 104137
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





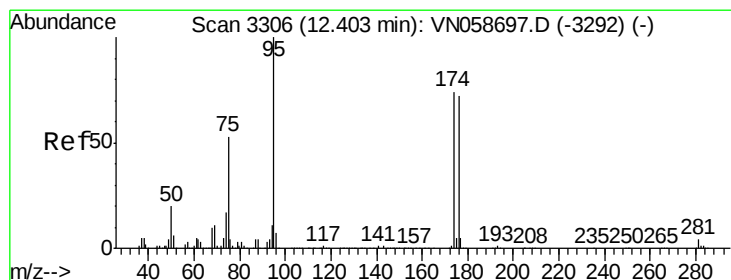
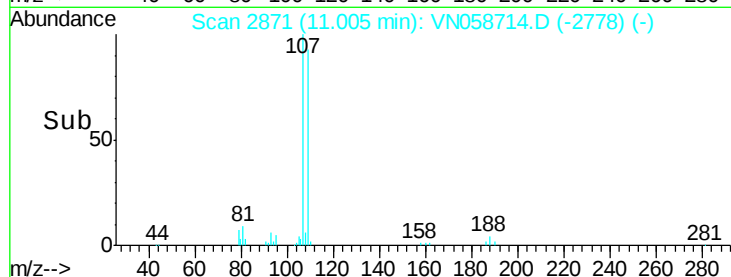
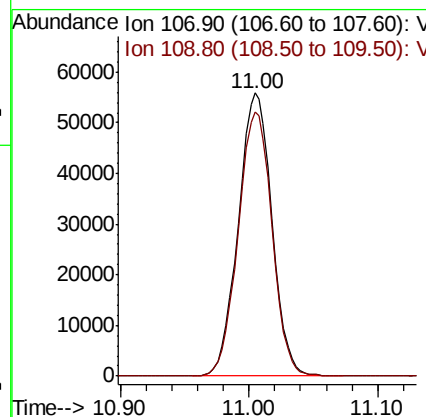
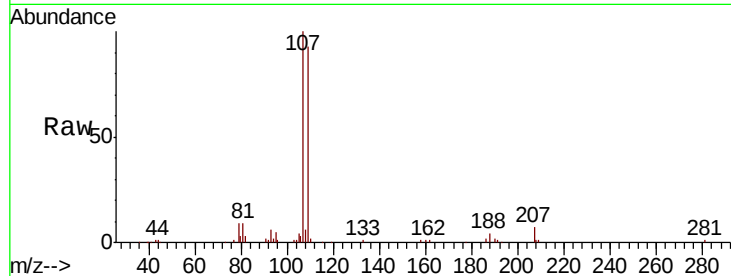
#61
1,2-Dibromoethane
Concen: 20.523 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

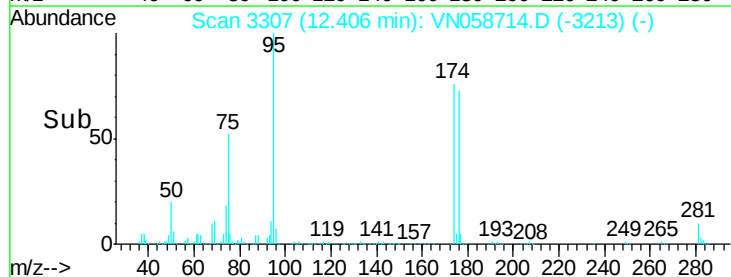
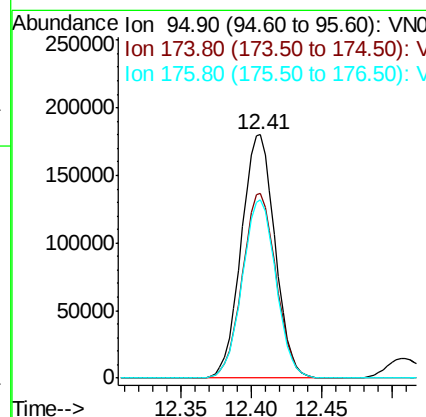
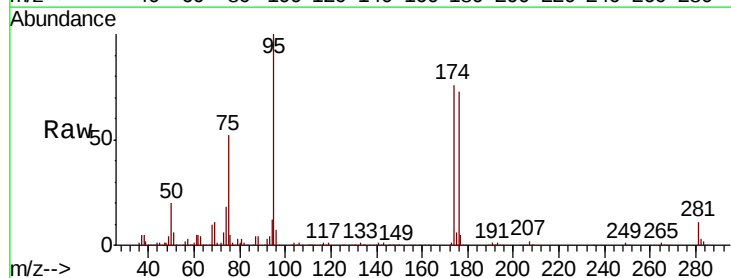
Manual Integrations
APPROVED

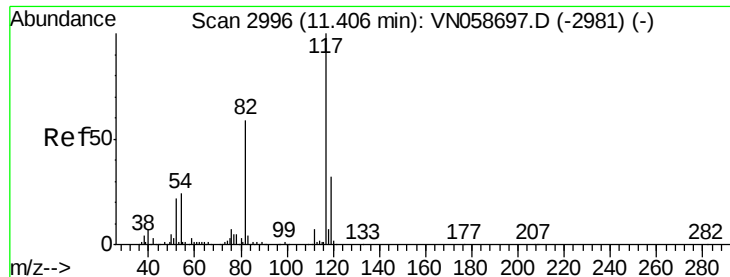
MMDadoda
10/16/2019 12:48:52 AM



#62
4-Bromofluorobenzene
Concen: 47.879 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.4
176	73.2	0.0	146.8





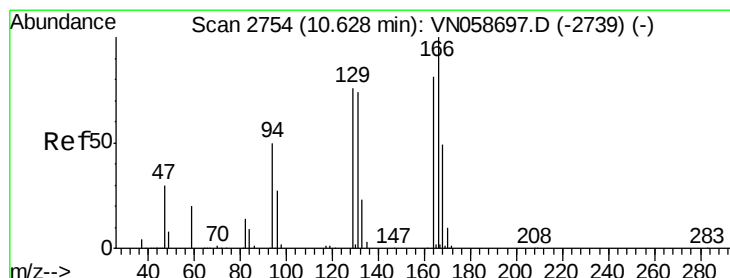
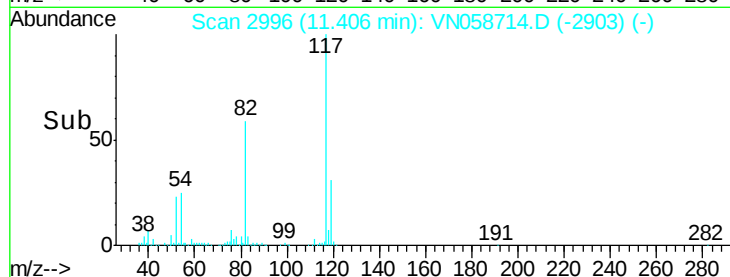
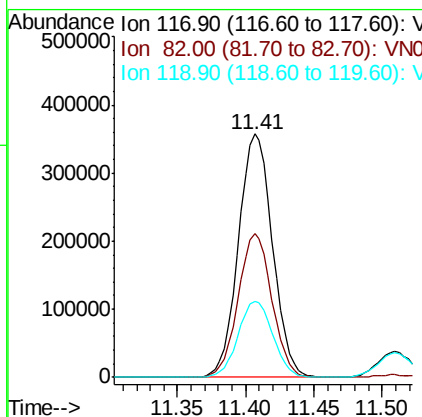
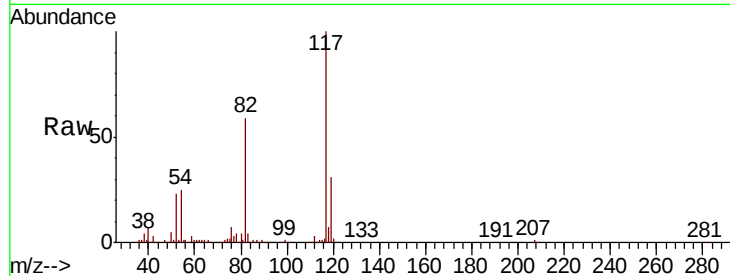
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	619391		
82	58.9	47.0	70.4	
119	31.3	25.4	38.2	

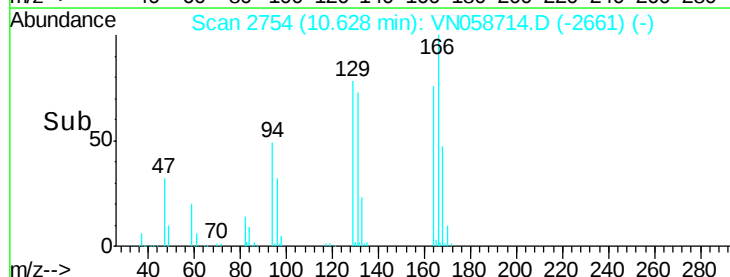
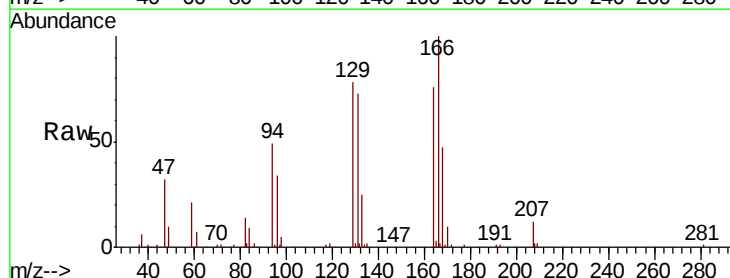
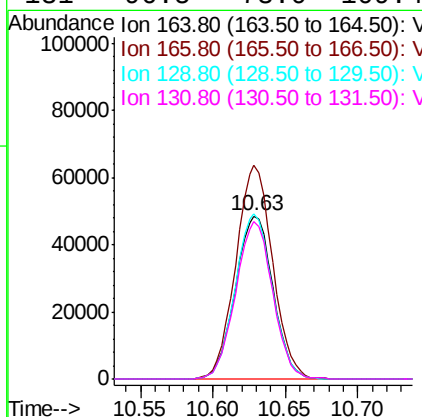
Manual Integrations
APPROVED

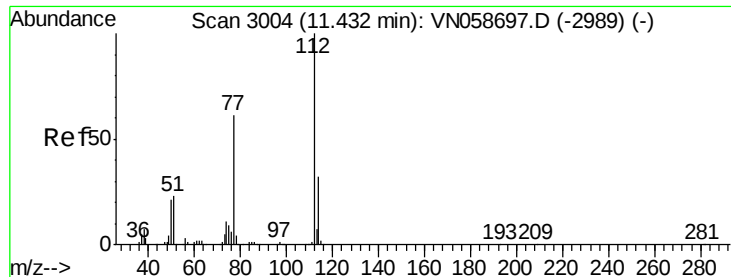
MMDadoda
10/16/2019 12:48:52 AM



#64
Tetrachloroethene
Concen: 20.272 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87873		
166	131.3	99.3	148.9	
129	101.9	75.2	112.8	
131	96.5	73.0	109.4	





#65

Chlorobenzene

Concen: 20.579 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion:112 Resp: 258859

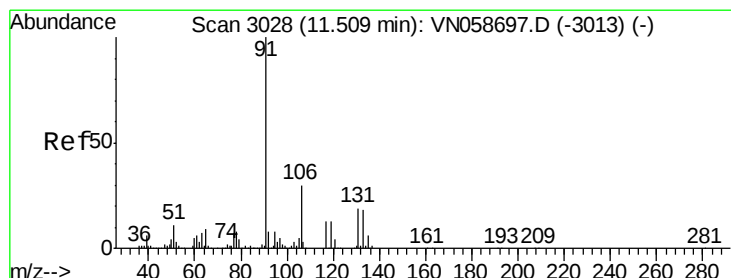
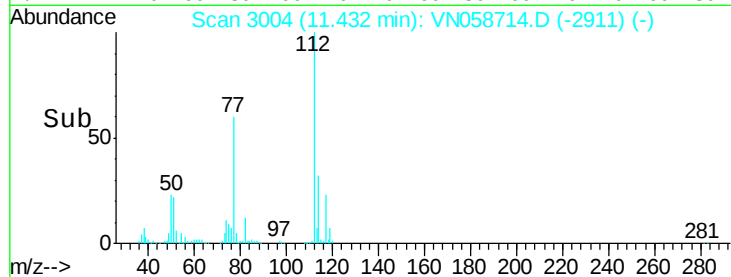
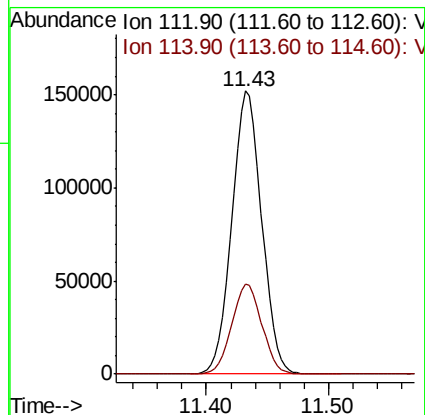
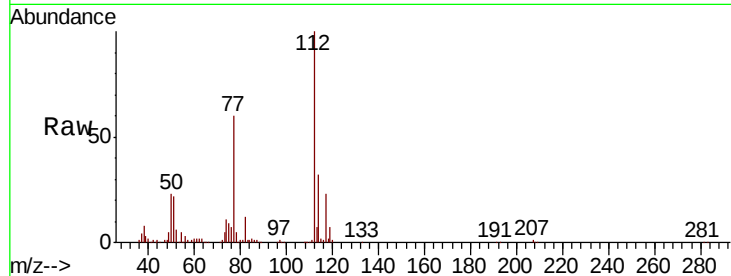
Ion Ratio Lower Upper

112 100

114 31.7 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.526 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

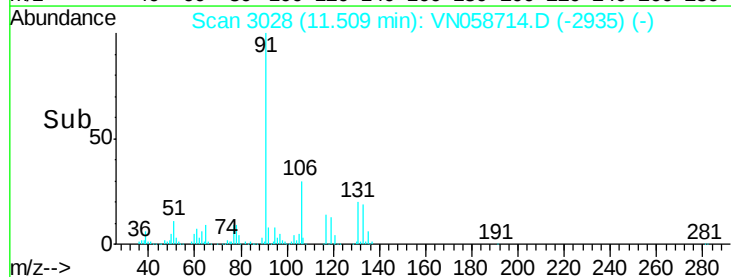
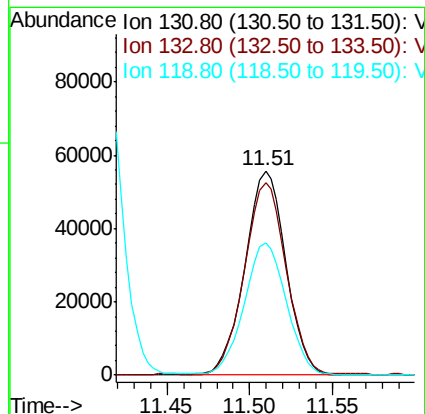
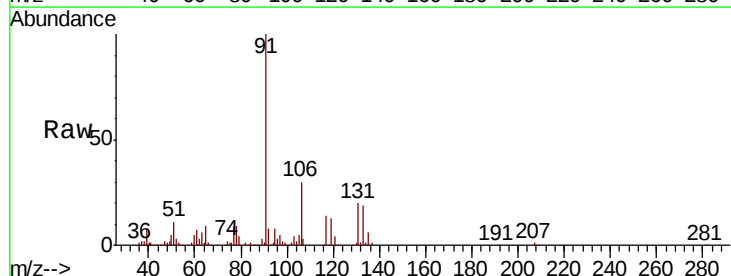
Tgt Ion:131 Resp: 95473

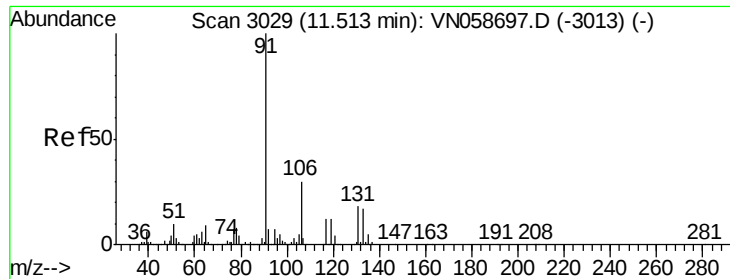
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 67.1 33.0 98.9





#67

Ethyl Benzene

Concen: 21.092 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 91 Resp: 472938

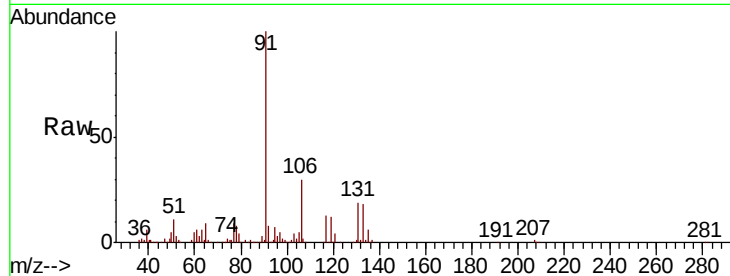
Ion Ratio Lower Upper

91 100

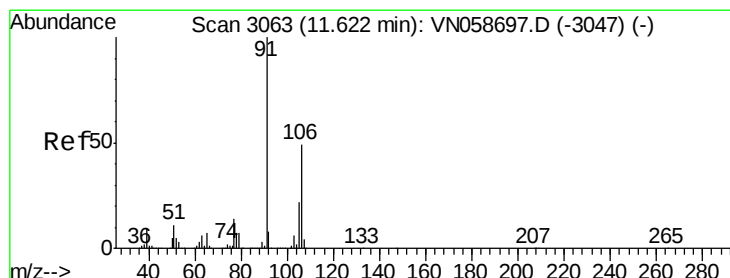
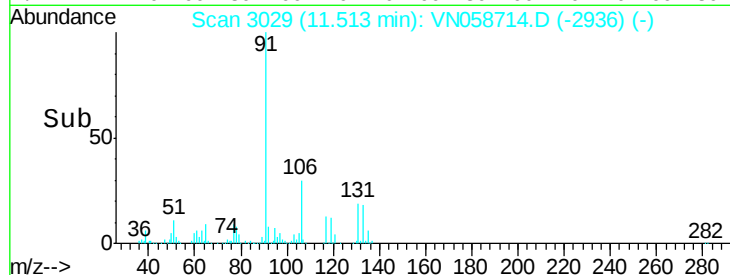
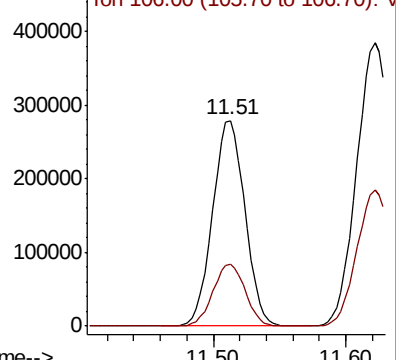
106 30.1 24.1 36.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 41.668 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058714.D

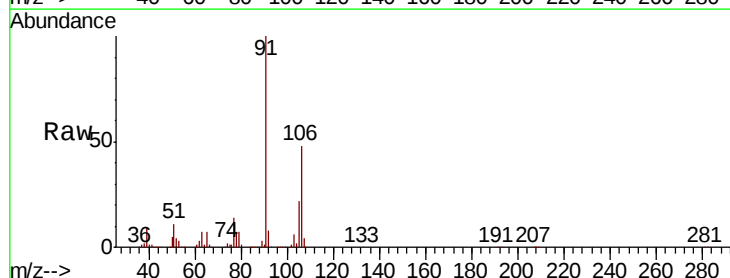
Acq: 11 Oct 2019 20:01

Tgt Ion: 106 Resp: 350617

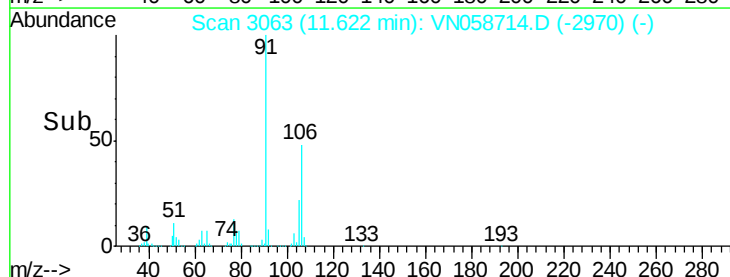
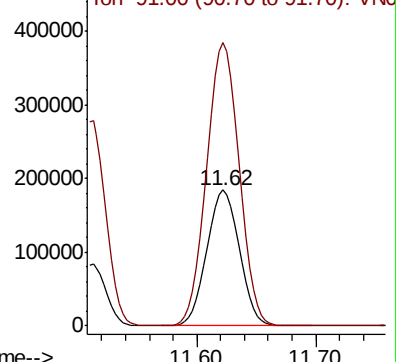
Ion Ratio Lower Upper

106 100

91 208.2 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)





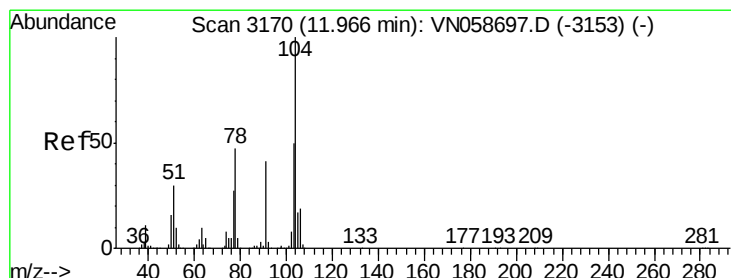
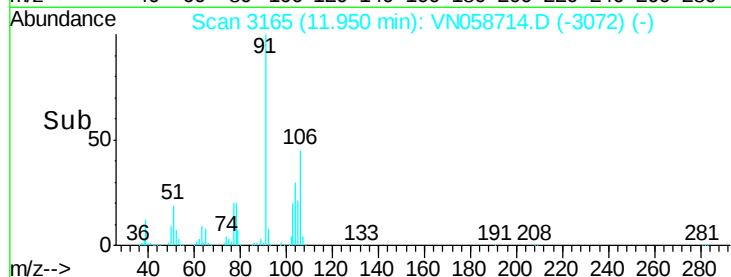
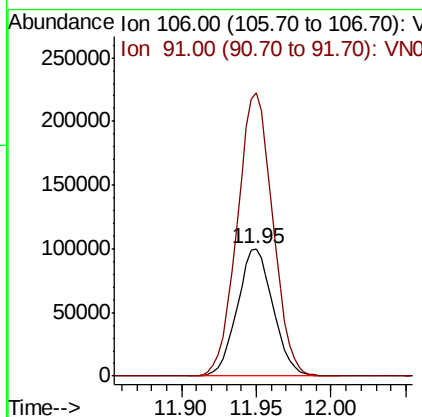
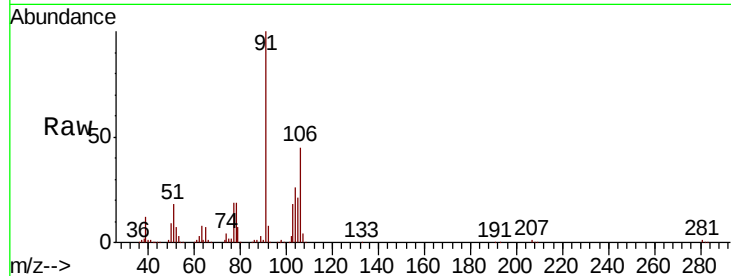
#69
o-Xylene
Concen: 20.347 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	165649		
91	91	222.3	110.9	332.9	

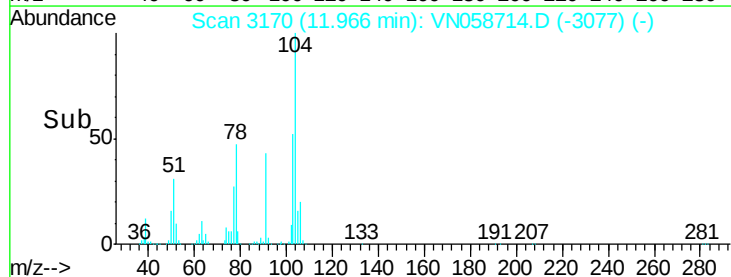
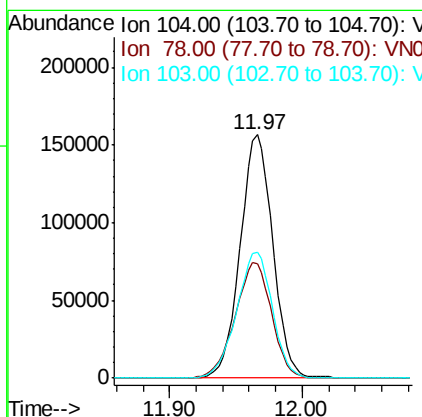
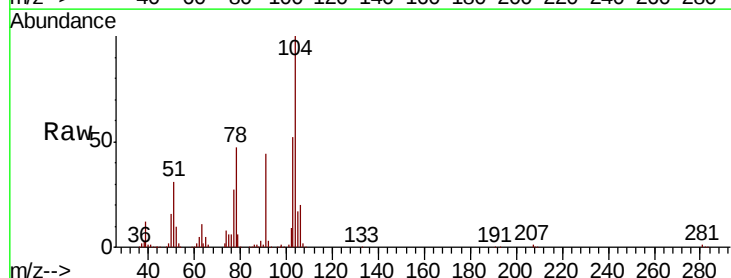
Manual Integrations
APPROVED

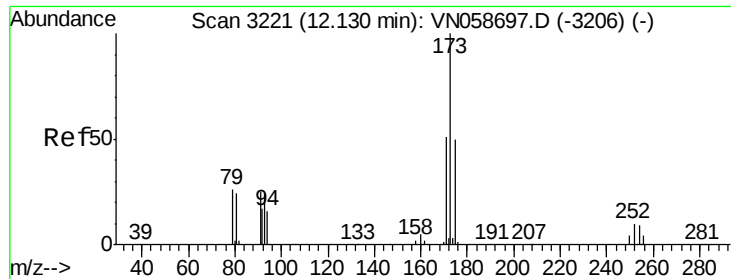
MMDadoda
10/16/2019 12:48:52 AM



#70
Styrene
Concen: 20.065 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	267741		
78	78	53.0	42.2	63.2	
103	103	56.8	43.7	65.5	





#71

Bromoform

Concen: 20.535 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

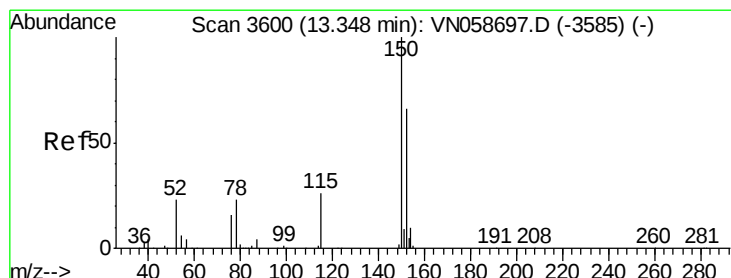
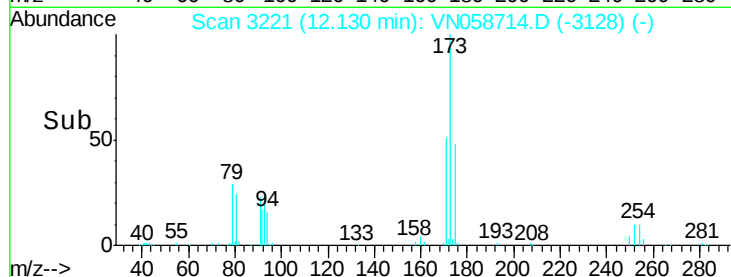
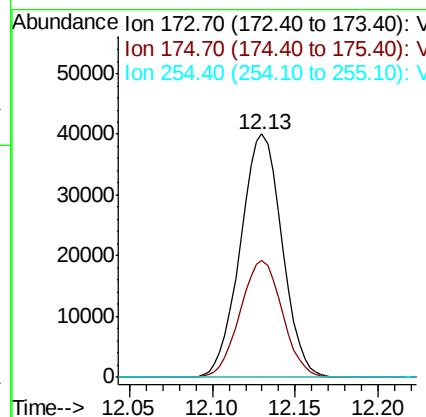
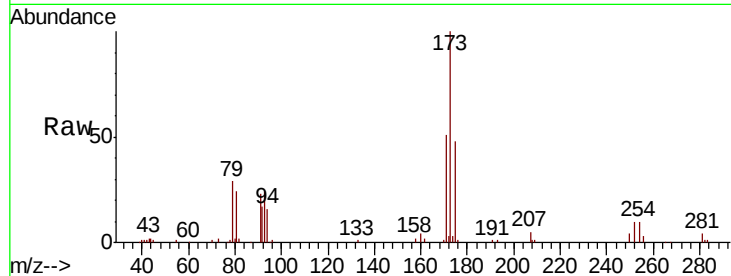
ClientSampleId :

VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

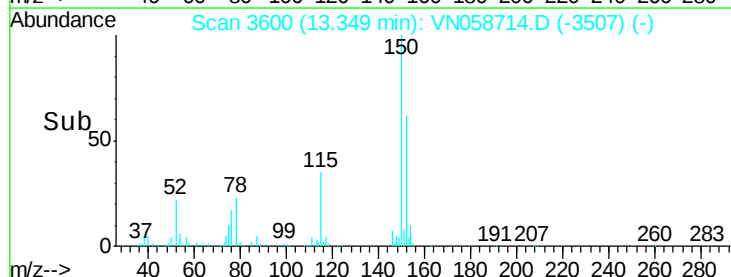
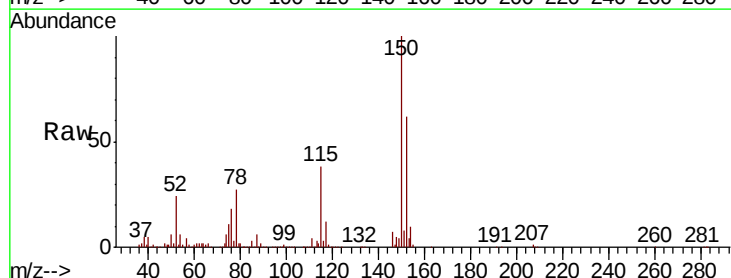
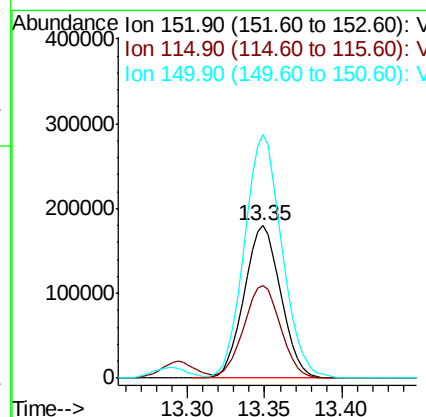
RT: 13.35 min Scan# 3600

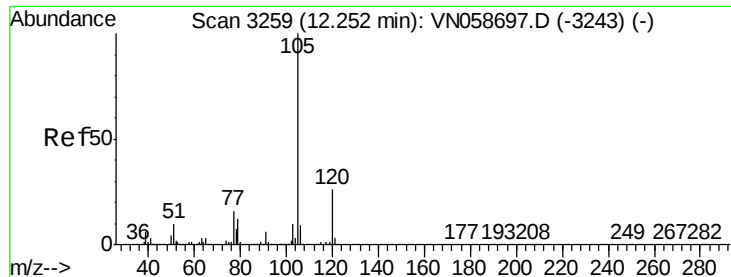
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.4	91.2
150	164.4	0.0	345.4





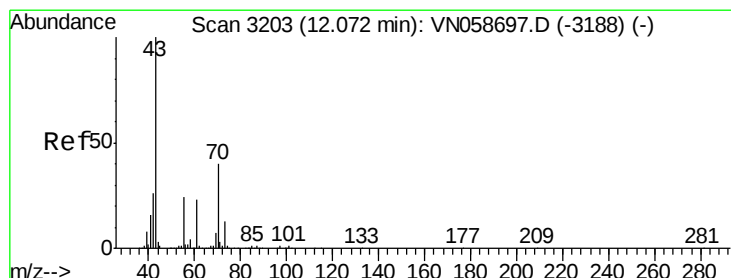
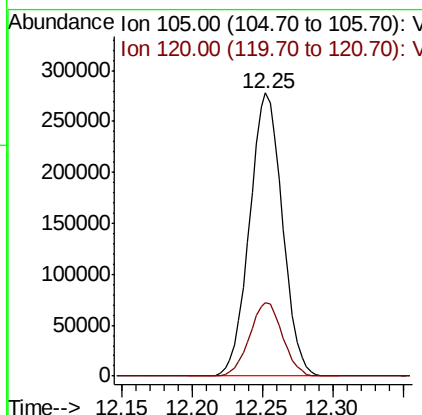
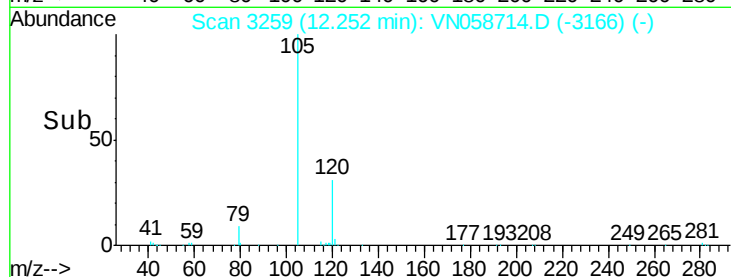
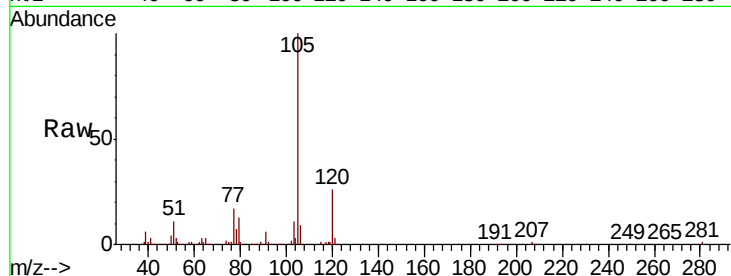
#73
Isopropylbenzene
Concen: 21.215 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

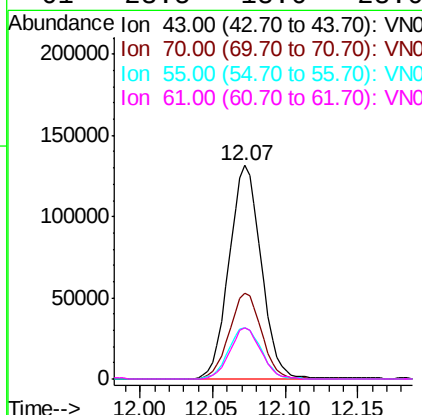
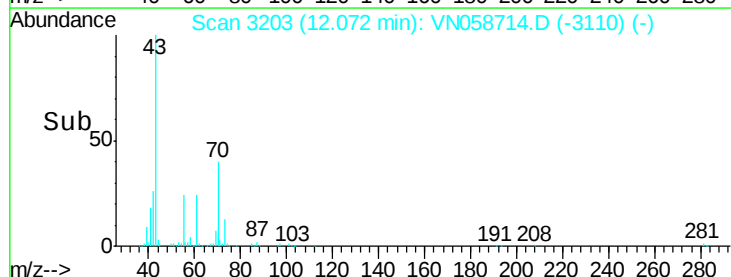
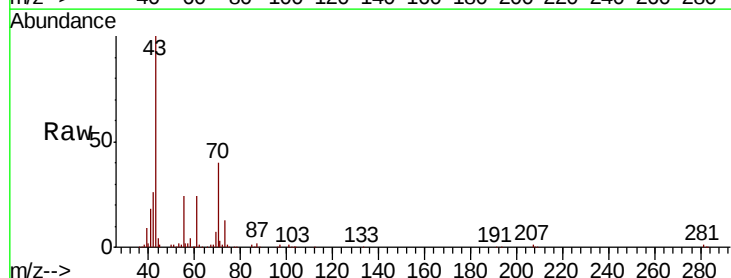
Manual Integrations
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MMDadoda
10/16/2019 12:48:52 AM



#74
N-ethyl acetate
Concen: 20.951 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.2	48.4
55	25.1	19.6	29.4
61	23.5	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

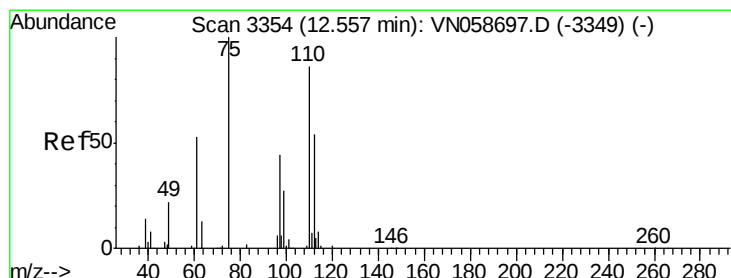
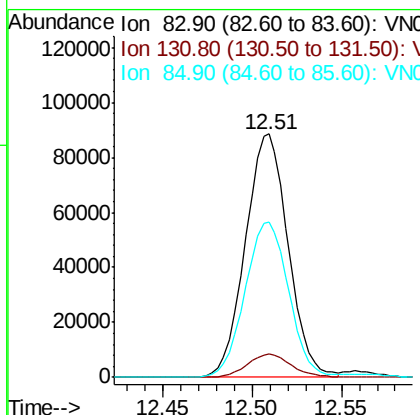
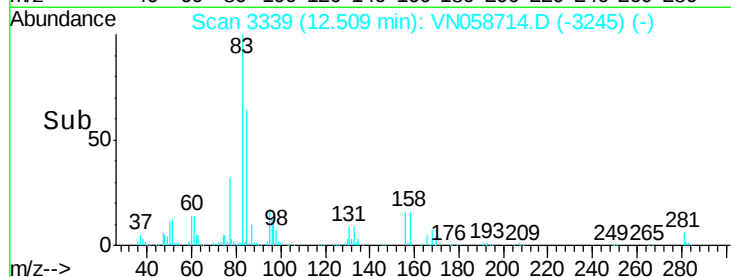
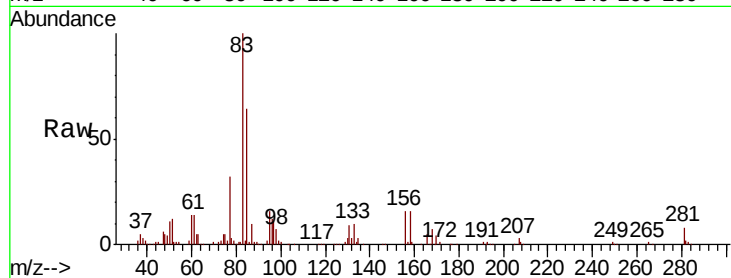
ClientSampleId :

VN1013WBSD01

Tot Ion:	83	Resp:	148669
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	64.8	31.9	95.5

Manual Integrations
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10/16/2019 12:48:52 AM



#76

1,2,3-Trichloropropane

Concen: 21.101 ug/l m

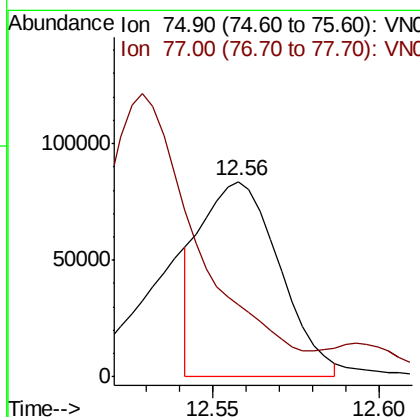
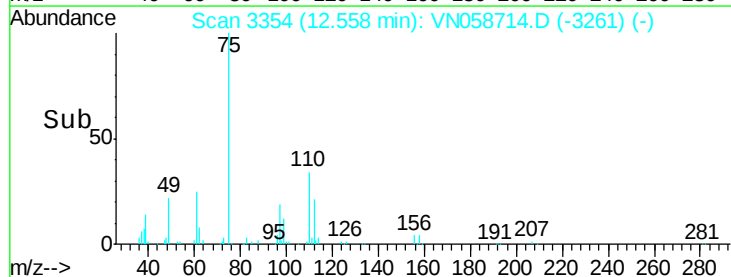
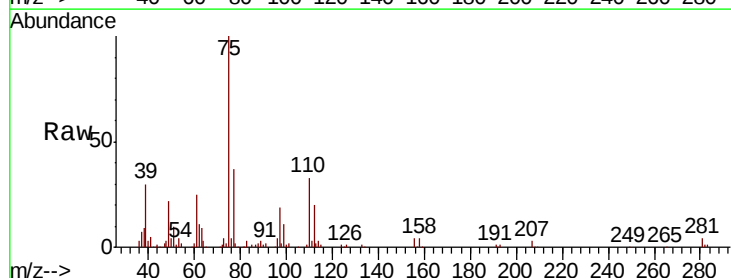
RT: 12.56 min Scan# 3354

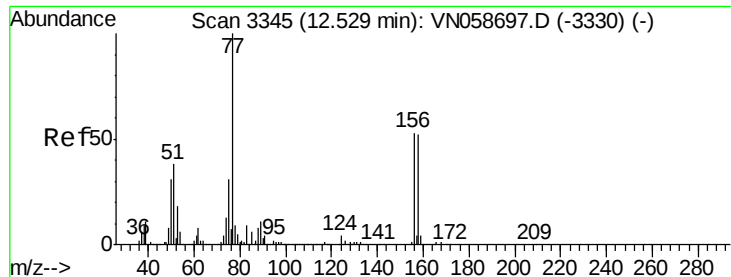
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	75	Resp:	136617
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.153 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

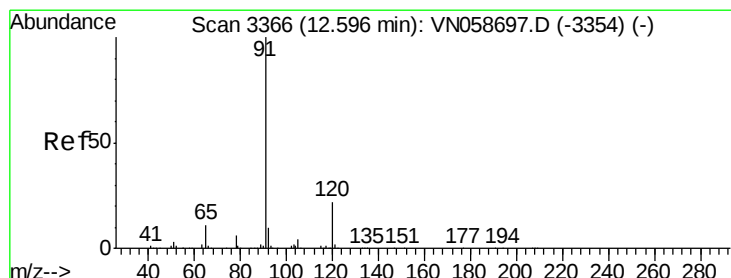
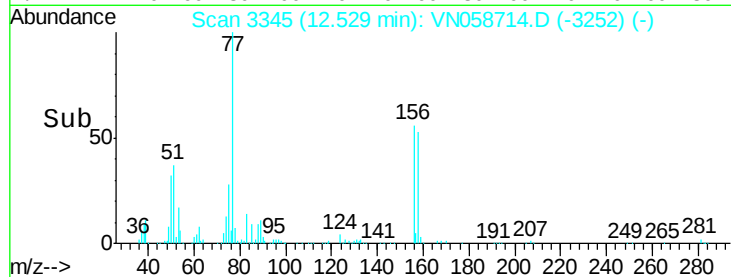
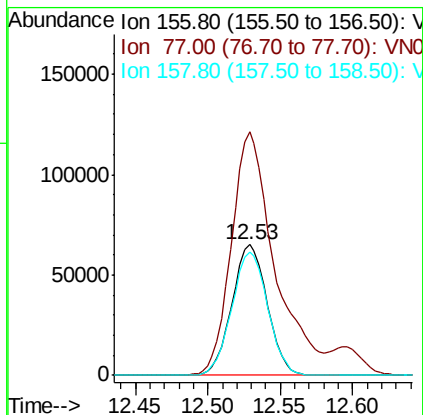
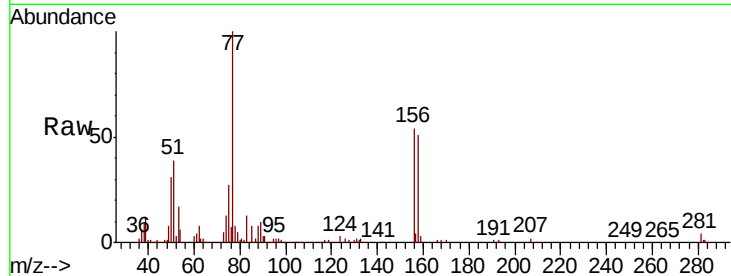
ClientSampleId :

VN1013WBSD01

Tot Ion:	156	Resp:	109971
Ion Ratio	Lower	Upper	
156	100		
77	228.4	115.8	347.3
158	96.2	48.9	146.6

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#78

n-propylbenzene

Concen: 21.504 ug/l

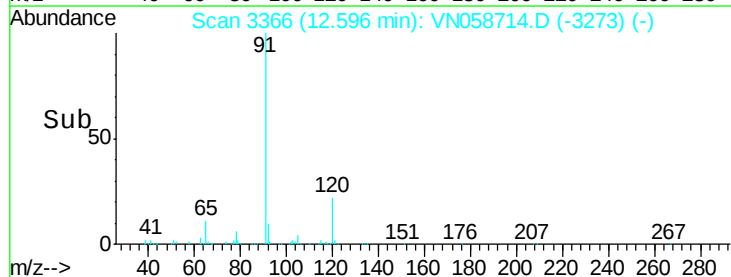
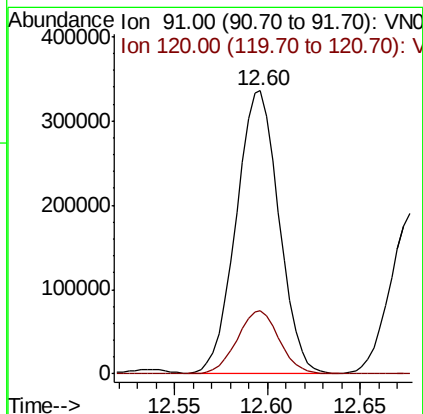
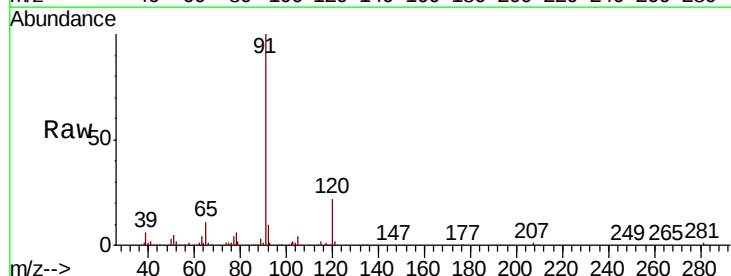
RT: 12.60 min Scan# 3366

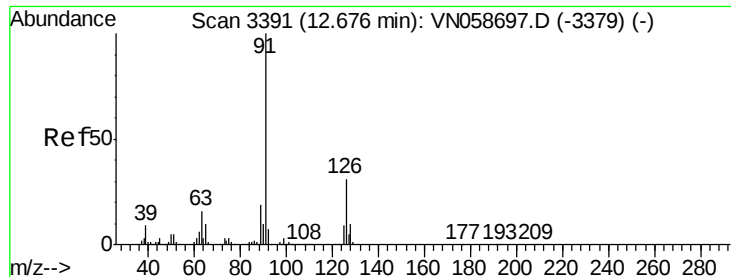
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	91	Resp:	535565
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.524 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 91 Resp: 317272

Ion Ratio Lower Upper

91 100

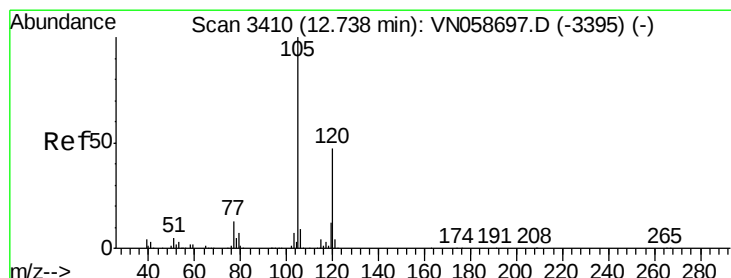
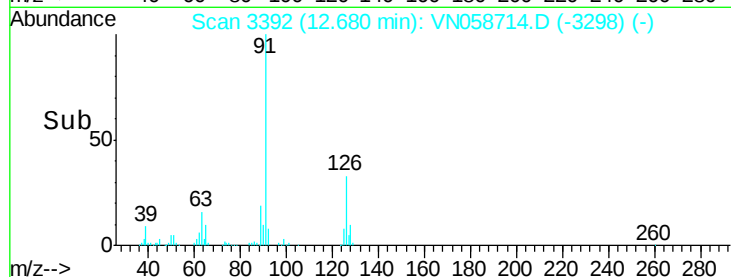
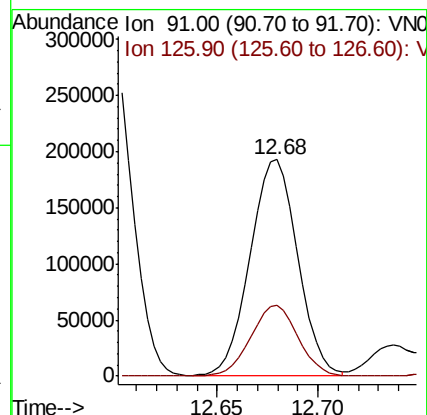
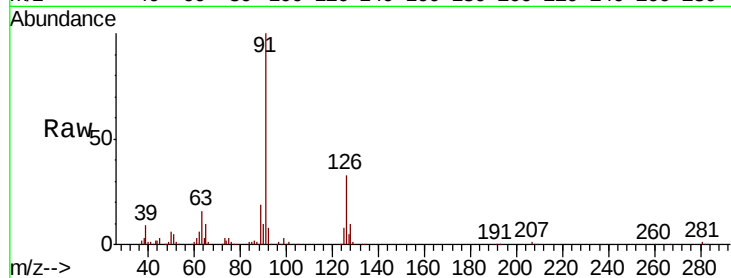
126 32.8 16.2 48.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.397 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058714.D

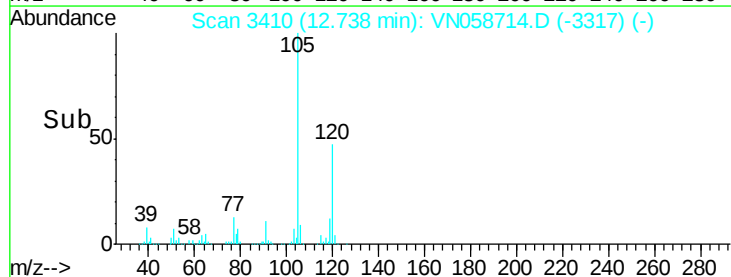
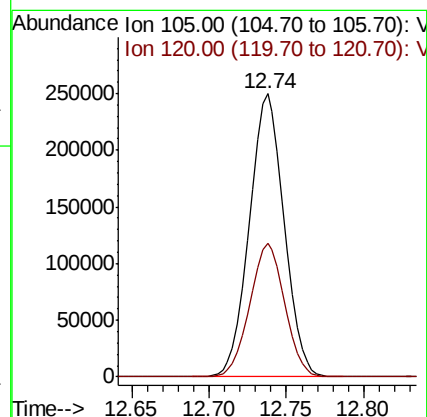
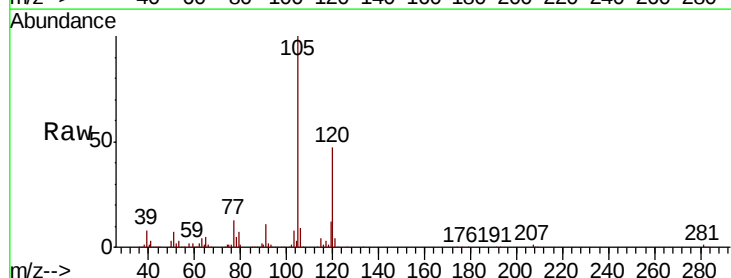
Acq: 11 Oct 2019 20:01

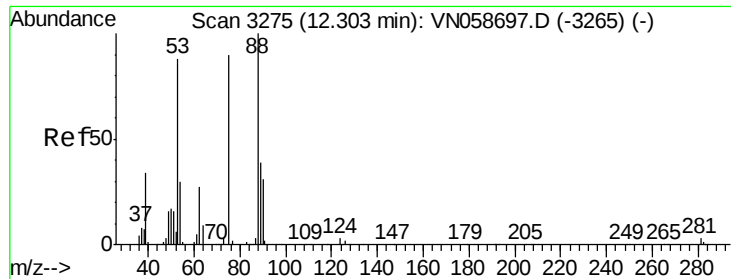
Tgt Ion: 105 Resp: 390435

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.2





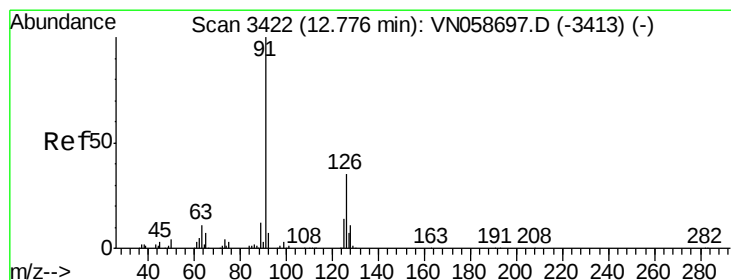
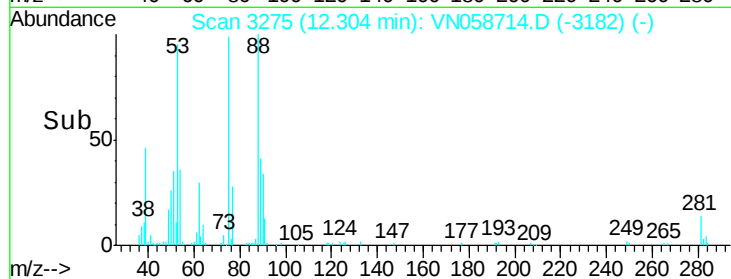
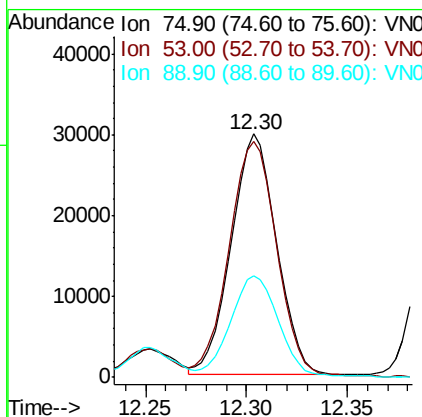
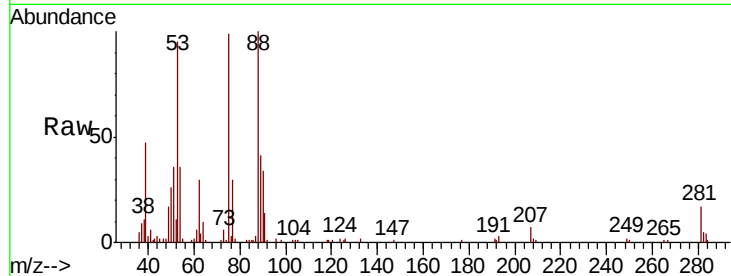
#81
trans-1,4-Dichloro-2-butene
Concen: 19.412 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.7	78.4	117.6
89	43.8	34.9	52.3

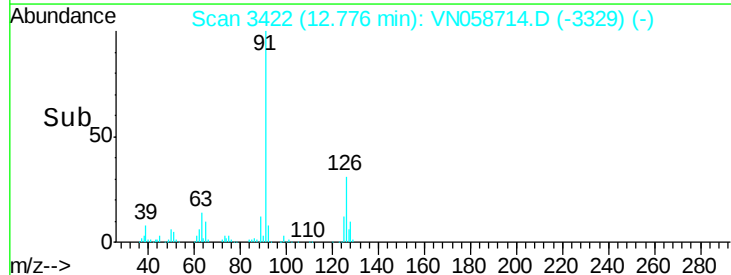
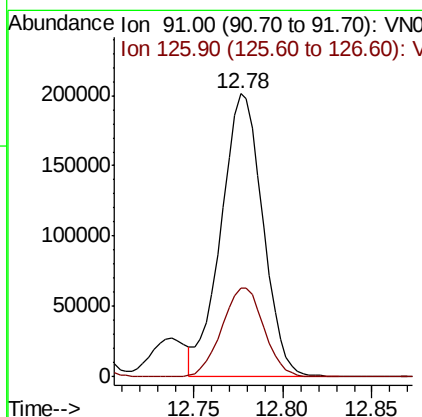
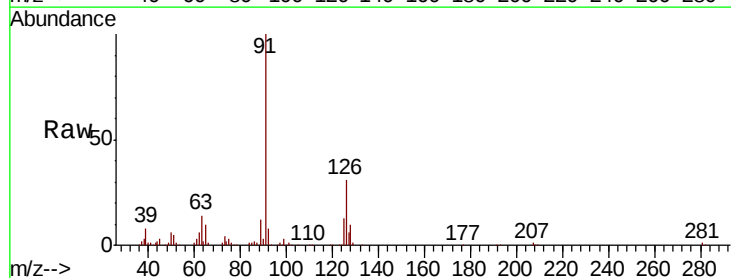
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#82
4-Chlorotoluene
Concen: 20.520 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.6





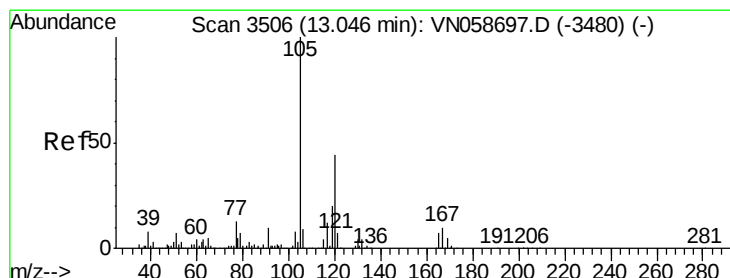
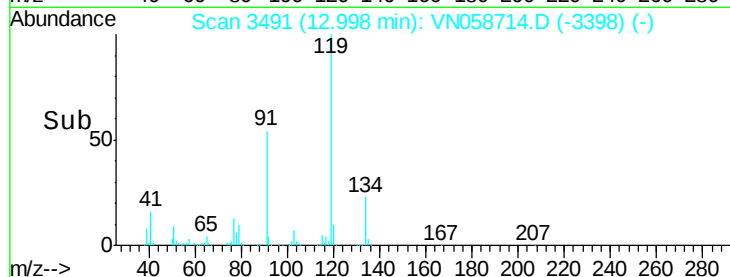
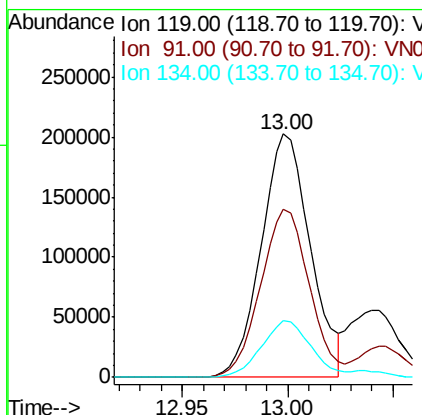
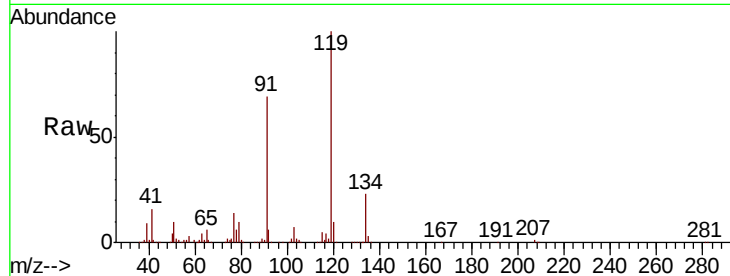
#83
tert-Butylbenzene
Concen: 20.982 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	119	100	327991		
91	91	68.9	33.8	101.3	
134	134	23.8	12.6	37.6	

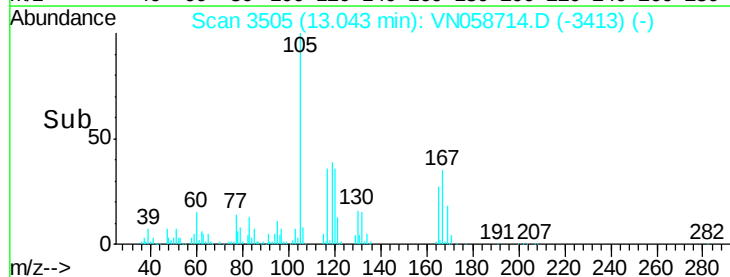
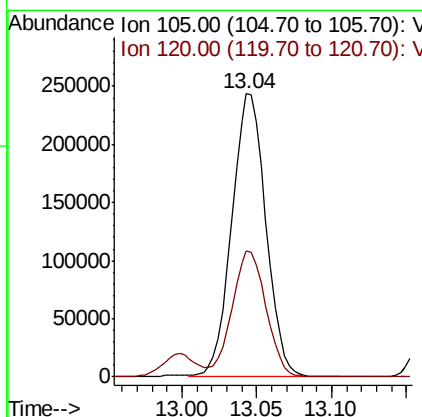
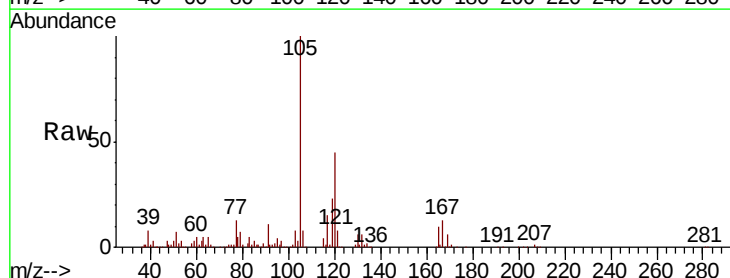
Manual Integrations
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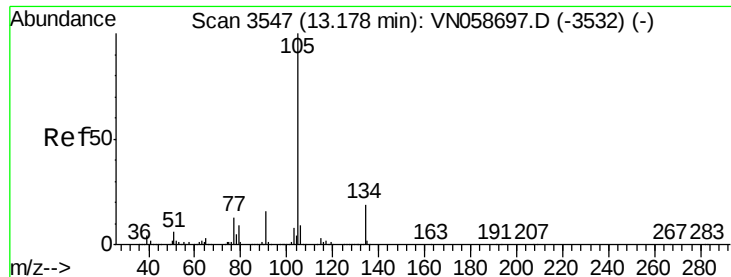
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#84
1,2,4-Trimethylbenzene
Concen: 21.314 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	386103		
120	120	44.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 21.591 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion:105 Resp: 444731

Ion Ratio Lower Upper

105 100

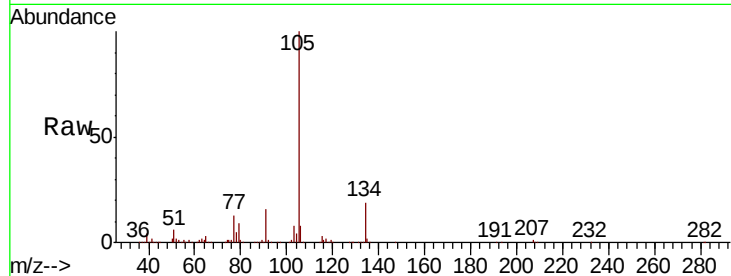
134 18.6 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

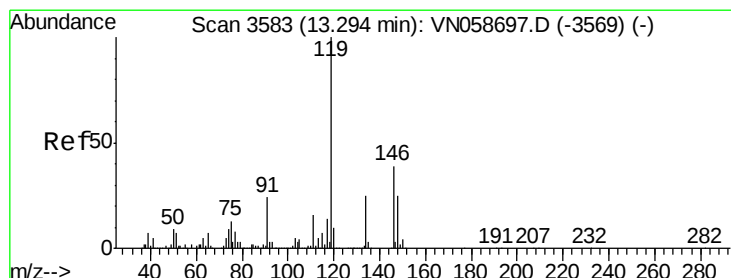
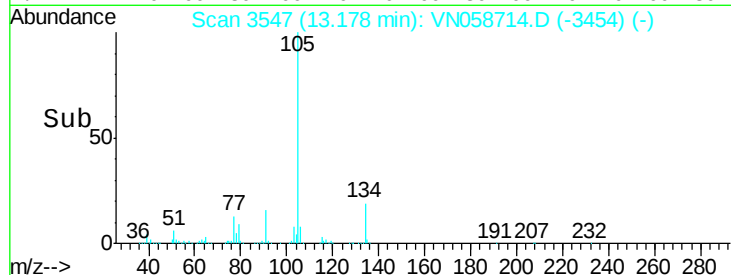
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.057 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

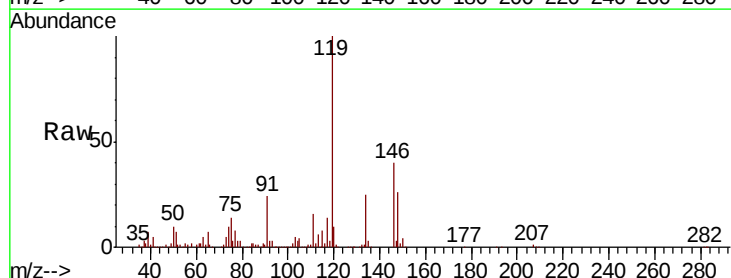
Tgt Ion:119 Resp: 394198

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

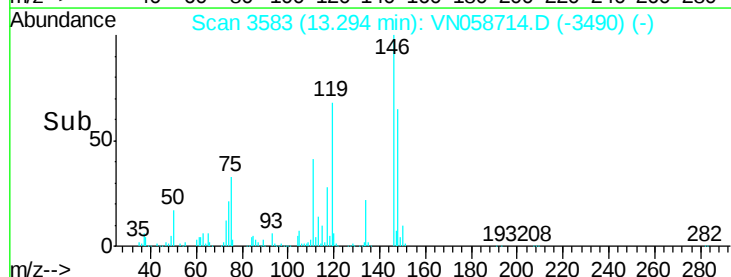
300000

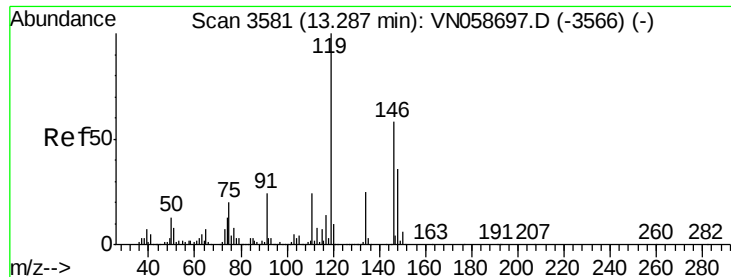
200000

100000

0

Time-->





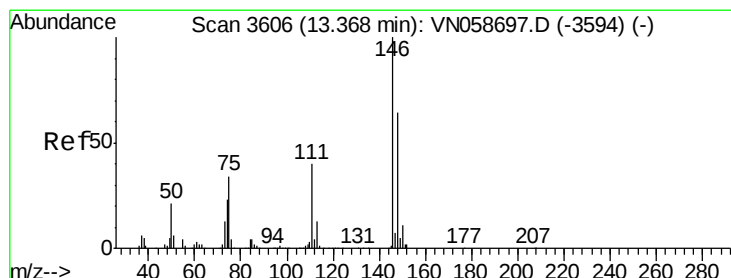
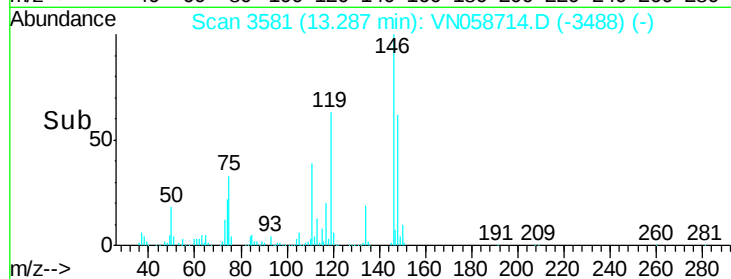
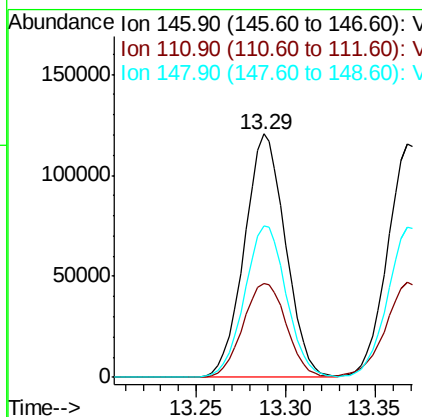
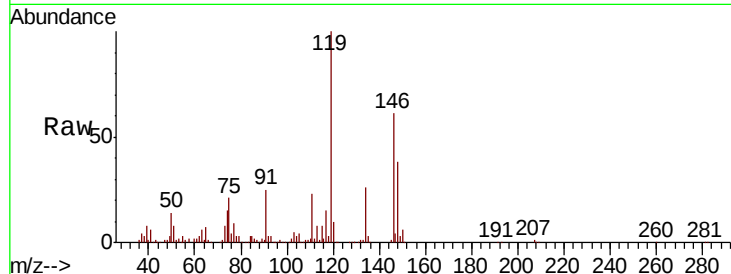
#87
 1,3-Dichlorobenzene
 Concen: 20.299 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	63.3	31.3	93.9

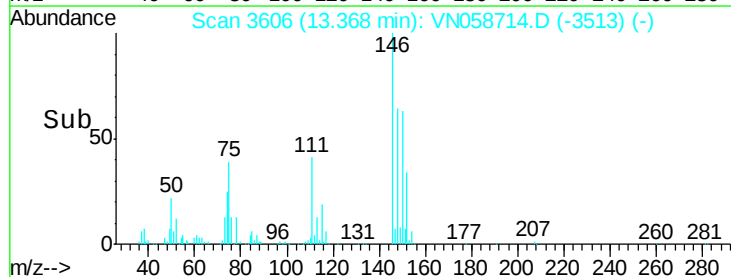
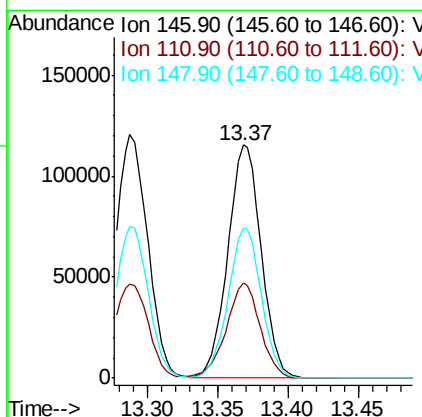
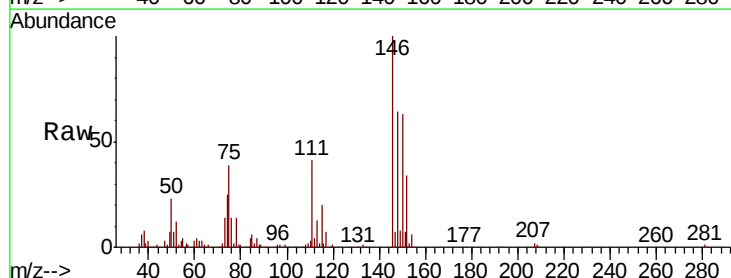
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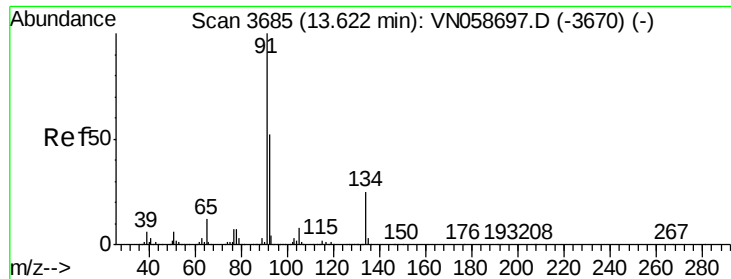
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#88
 1,4-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.2
148	64.4	31.9	95.7





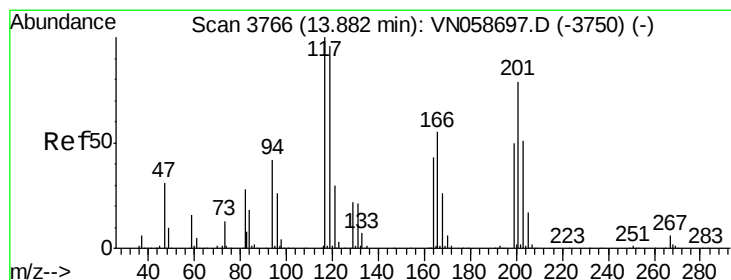
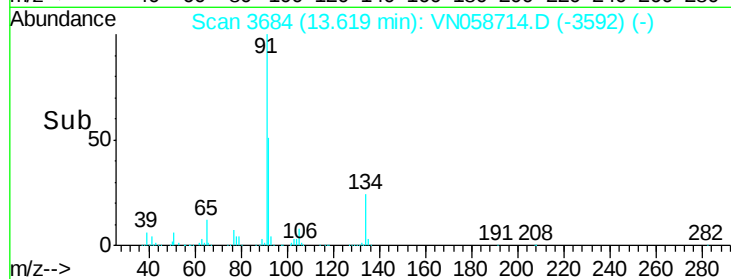
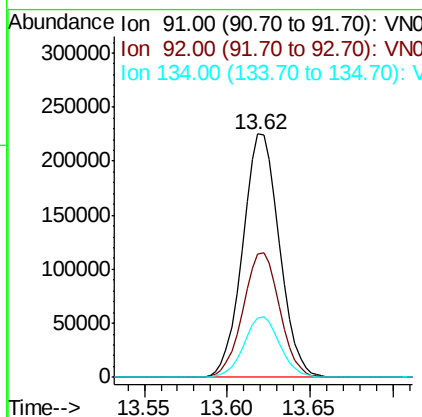
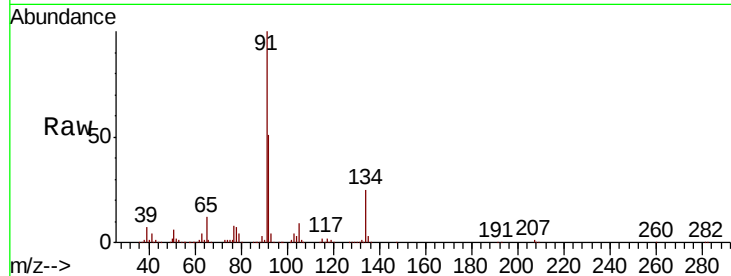
#89
n-Butylbenzene
Concen: 20.020 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		346545		
92	51.5	26.0	78.0		
134	24.5	12.2	36.6		

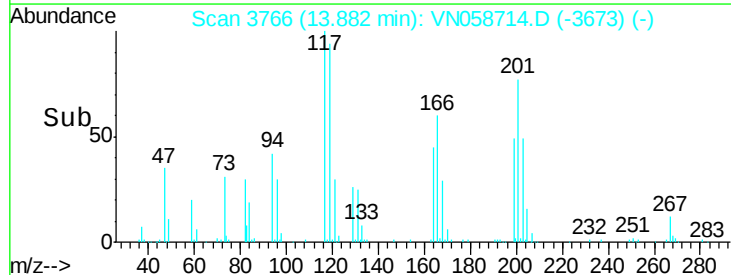
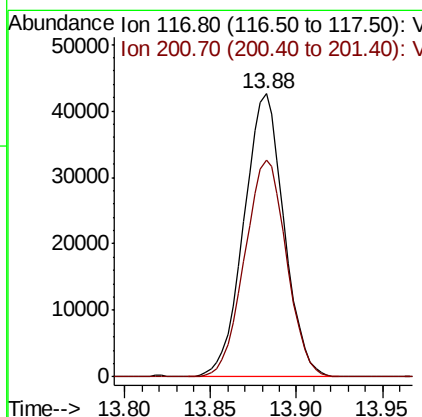
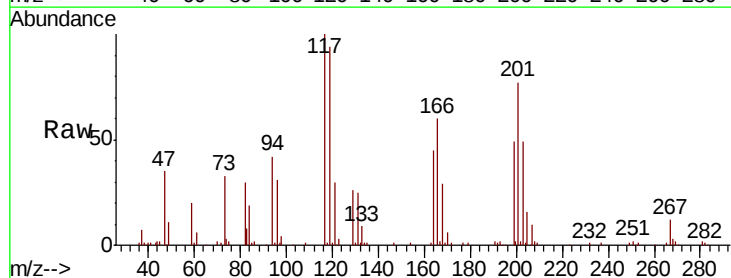
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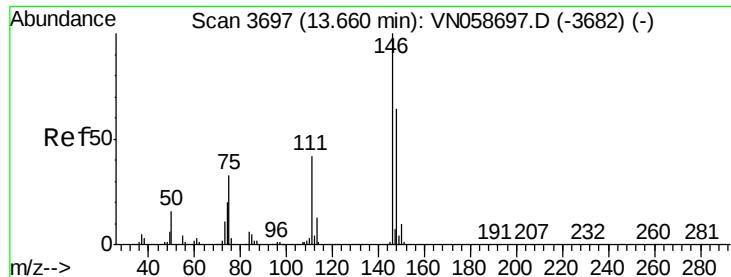
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#90
Hexachloroethane
Concen: 20.585 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		68954		
201	79.9	39.6	118.7		





#91

1,2-Dichlorobenzene

Concen: 20.600 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

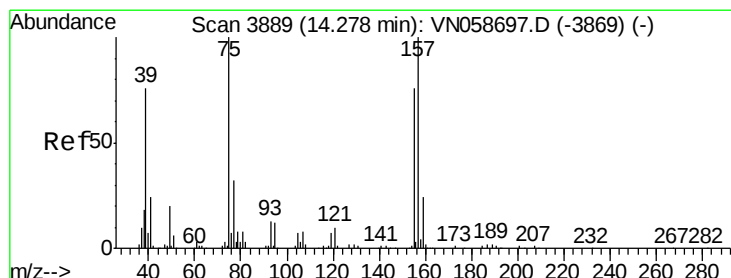
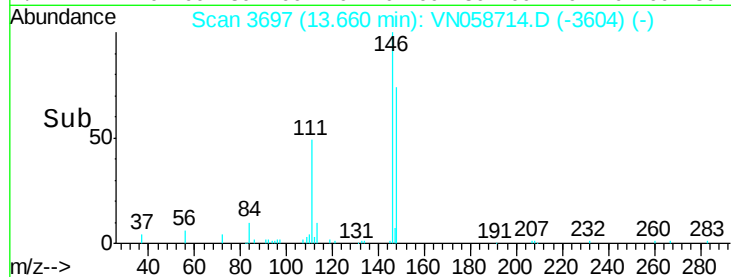
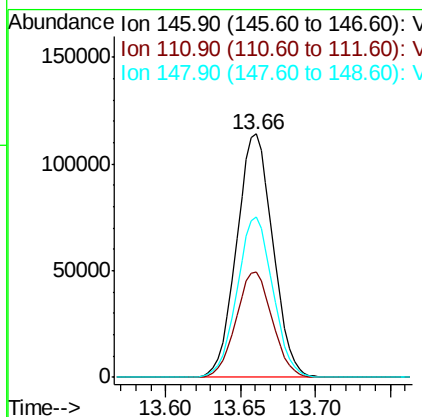
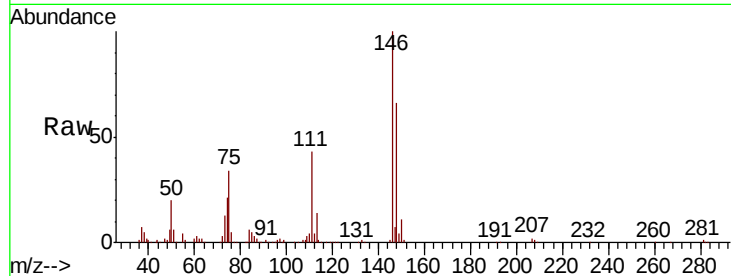
ClientSampleId :

VN1013WBSD01

Tot Ion:	146	Resp:	192490
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.1	63.4
148	64.9	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.336 ug/l

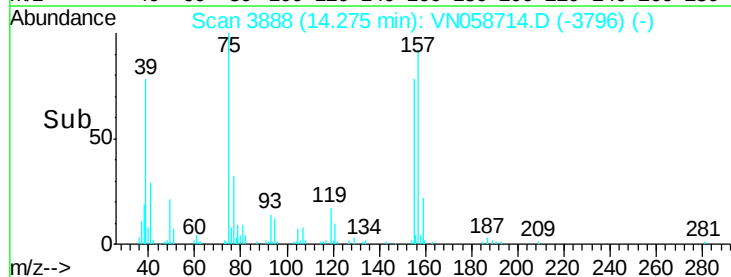
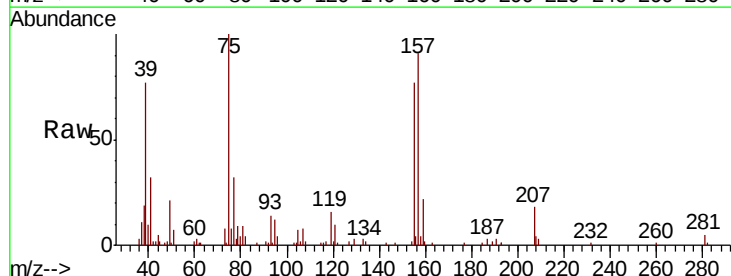
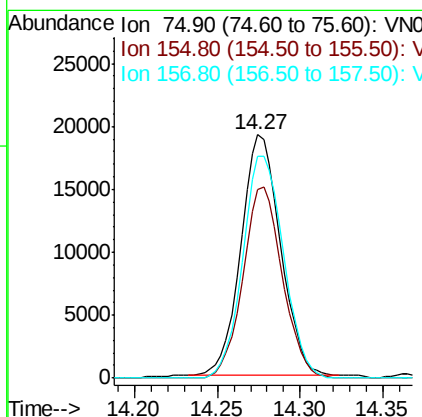
RT: 14.27 min Scan# 3888

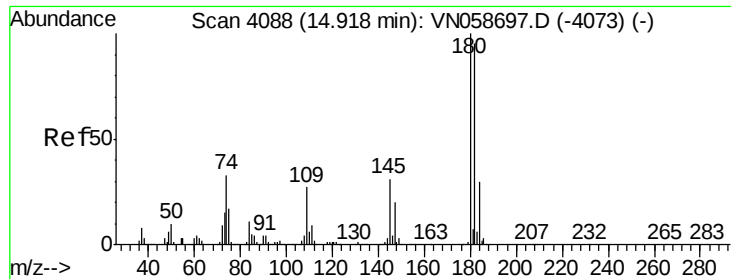
Delta R.T. -0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion:	75	Resp:	31807
Ion Ratio	Lower	Upper	
75	100		
155	78.6	37.9	113.6
157	94.8	49.4	148.2





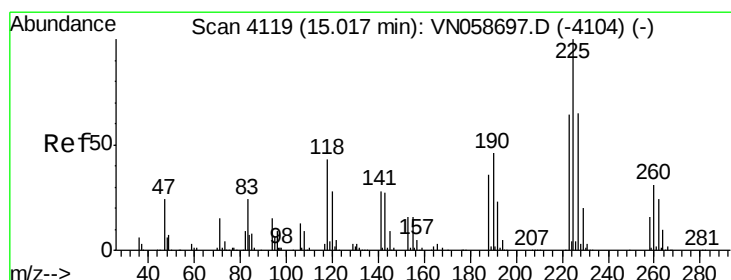
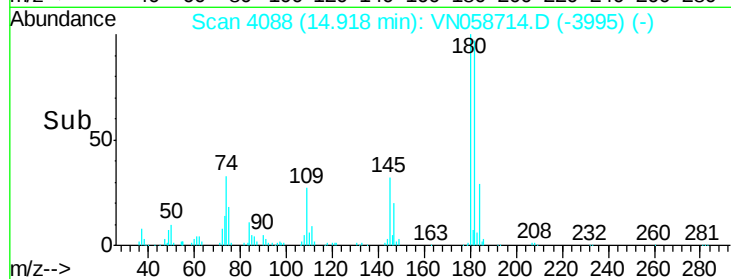
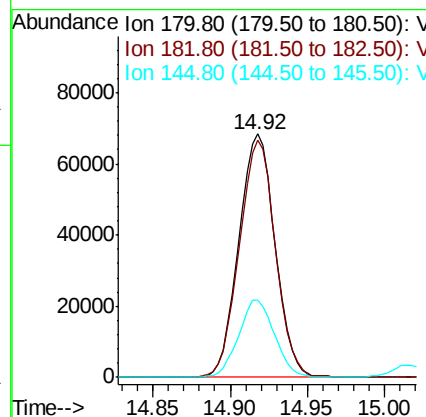
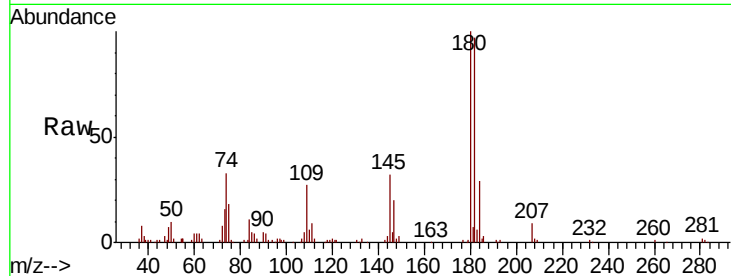
#93
 1,2,4-Trichlorobenzene
 Concen: 19.516 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111248		
182	96.8	47.4	142.2	
145	31.5	15.4	46.2	

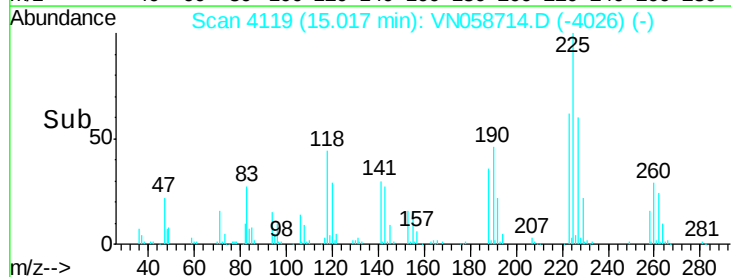
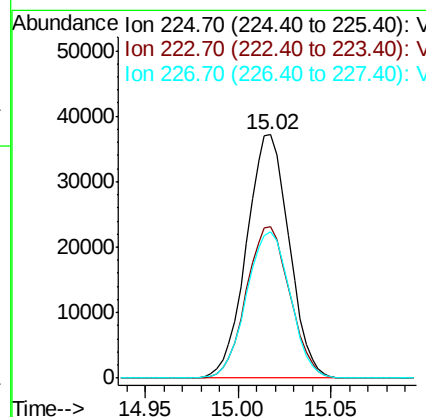
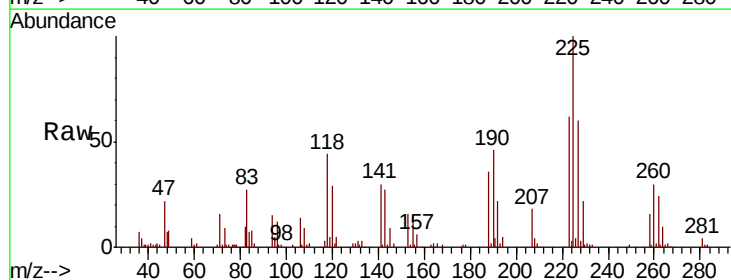
Manual Integrations
 APPROVED

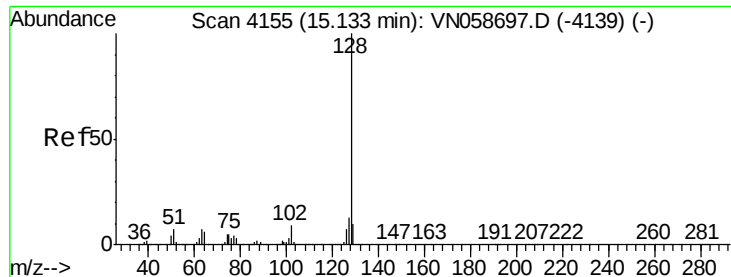
MMDadoda
 10/16/2019 12:48:52 AM



#94
 Hexachlorobutadiene
 Concen: 19.752 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59291		
223	63.4	32.3	96.8	
227	61.6	32.4	97.0	





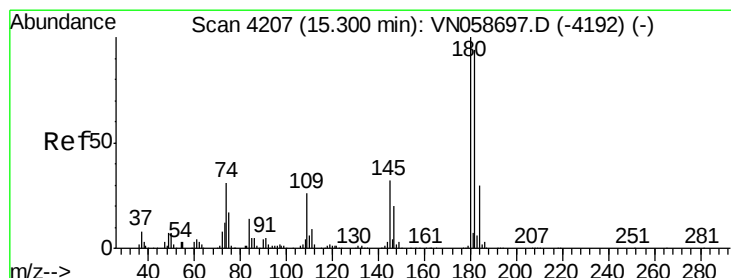
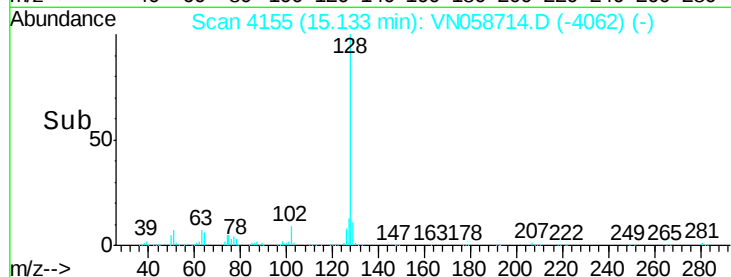
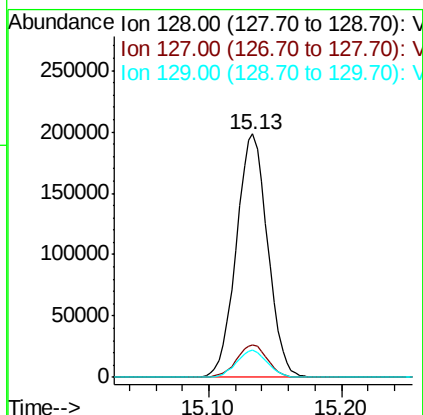
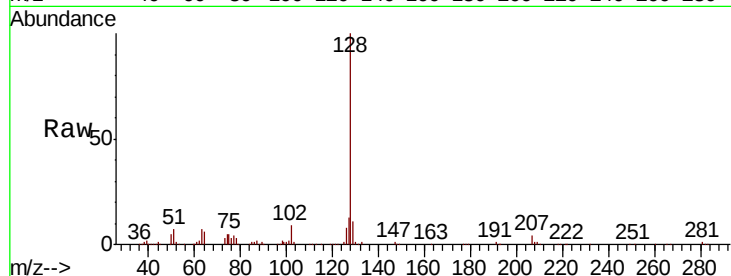
#95
Naphthalene
Concen: 19.841 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.601 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	32.4	16.2	48.6

