

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\
 Data File : VN058991.D
 Acq On : 28 Oct 2019 12:44
 Operator : JC/SP
 Sample : VN1028WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:08 PM

Quant Time: Oct 29 13:57:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	382622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271158	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.57	113	201464	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.08	98	761697	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.40	95	275334	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85392	17.900	ug/l	100
3) Chloromethane	2.04	50	110204	18.652	ug/l	99
4) Vinyl Chloride	2.17	62	113847	19.406	ug/l	99
5) Bromomethane	2.55	94	67826	18.463	ug/l	92
6) Chloroethane	2.69	64	69382	18.443	ug/l	98
7) Trichlorofluoromethane	3.00	101	138698	19.108	ug/l	100
8) Diethyl Ether	3.39	74	51402	20.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79902	19.856	ug/l	99
10) Methyl Iodide	3.93	142	87534	16.539	ug/l	99
11) Tert butyl alcohol	4.76	59	92369	99.189	ug/l	99
12) 1,1-Dichloroethene	3.72	96	75710	20.072	ug/l	96
13) Acrolein	3.59	56	37710	58.934	ug/l	95
14) Allyl chloride	4.30	41	153092	20.058	ug/l	97
15) Acrylonitrile	4.96	53	246285	105.139	ug/l	99
16) Acetone	3.79	43	251152	90.571	ug/l	97
17) Carbon Disulfide	4.03	76	214717	17.671	ug/l	98
18) Methyl Acetate	4.30	43	137173	21.758	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275200	20.836	ug/l	95
20) Methylene Chloride	4.53	84	91568	19.339	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	80302	19.278	ug/l	95
22) Diisopropyl ether	5.92	45	315413	21.127	ug/l	97
23) Vinyl Acetate	5.87	43	1296623	108.101	ug/l	99
24) 1,1-Dichloroethane	5.82	63	174095	20.111	ug/l	99
25) 2-Butanone	6.81	43	352327	97.878	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148426	19.823	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	96635	20.308	ug/l	99
28) Bromochloromethane	7.18	49	59649	20.690	ug/l	99
29) Tetrahydrofuran	7.19	42	228412	103.728	ug/l	99
30) Chloroform	7.35	83	167944	19.341	ug/l	98
31) Cyclohexane	7.64	56	152761	18.942	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	144536	19.747	ug/l	100
36) 1,1-Dichloropropene	7.78	75	121869	19.456	ug/l	99
37) Ethyl Acetate	6.91	43	141771	20.772	ug/l	99
38) Carbon Tetrachloride	7.75	117	125951	19.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136359	19.387	ug/l	99
40) Benzene	8.02	78	375181	20.397	ug/l	98
41) Methacrylonitrile	7.16	41	62116m	20.434	ug/l	
42) 1,2-Dichloroethane	8.11	62	139450	19.681	ug/l	100
43) Isopropyl Acetate	8.15	43	224340	20.495	ug/l	100
44) Trichloroethene	8.82	130	89656	20.009	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104482	20.715	ug/l	100
46) Dibromomethane	9.20	93	63949	20.055	ug/l	98
47) Bromodichloromethane	9.39	83	134407	20.452	ug/l	98
48) Methyl methacrylate	9.19	41	98660	19.866	ug/l	95
49) 1,4-Dioxane	9.19	88	30907	379.108	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	706010	110.424	ug/l	100
52) Toluene	10.15	92	223161	20.459	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	144962	19.925	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	158310	20.368	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	92450	20.574	ug/l	98
56) Ethyl methacrylate	10.43	69	137053	19.493	ug/l	97
57) 1,3-Dichloropropane	10.70	76	160176	20.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	280459	91.661	ug/l	100
59) 2-Hexanone	10.75	43	517823	104.811	ug/l	100
60) Dibromochloromethane	10.90	129	97994	20.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	92925	20.207	ug/l	99
64) Tetrachloroethene	10.63	164	78924	20.179	ug/l	96
65) Chlorobenzene	11.43	112	236650	20.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88784	20.693	ug/l	99
67) Ethyl Benzene	11.51	91	424839	21.300	ug/l	97
68) m/p-Xylenes	11.62	106	314279	42.489	ug/l	100
69) o-Xylene	11.95	106	146549	20.774	ug/l	99
70) Styrene	11.97	104	238584	19.408	ug/l	100
71) Bromoform	12.13	173	68668	20.639	ug/l #	98
73) Isopropylbenzene	12.25	105	405888	21.623	ug/l	99
74) N-amyl acetate	12.07	43	177921	20.907	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	141336	21.413	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	125811m	21.135	ug/l	
77) Bromobenzene	12.53	156	97684	21.113	ug/l	99
78) n-propylbenzene	12.59	91	474056	21.365	ug/l	100
79) 2-Chlorotoluene	12.68	91	286094	21.067	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	340694	21.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45950	20.109	ug/l	97
82) 4-Chlorotoluene	12.78	91	292086	21.047	ug/l	100
83) tert-Butylbenzene	13.00	119	292204	21.667	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	339581	21.830	ug/l	98
85) sec-Butylbenzene	13.17	105	389704	21.673	ug/l	99
86) p-Isopropyltoluene	13.29	119	344400	21.708	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	174566	21.101	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	171475	20.702	ug/l	99
89) n-Butylbenzene	13.62	91	296511	20.345	ug/l	99
90) Hexachloroethane	13.88	117	68974	21.455	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	175269	21.555	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28629	19.177	ug/l	97

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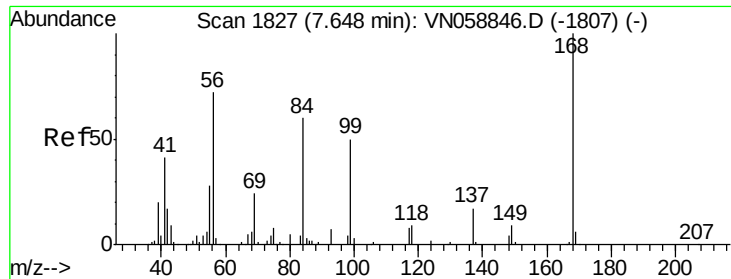
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	91885	19.566	ug/l	99
94) Hexachlorobutadiene	15.01	225	55252	20.965	ug/l	98
95) Naphthalene	15.13	128	249304	18.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	93937	20.342	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VN1028WBSD01

Tot Ion:168 Resp: 382622

Ion Ratio Lower Upper

168 100

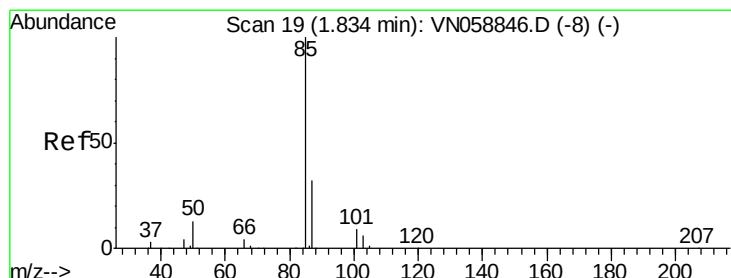
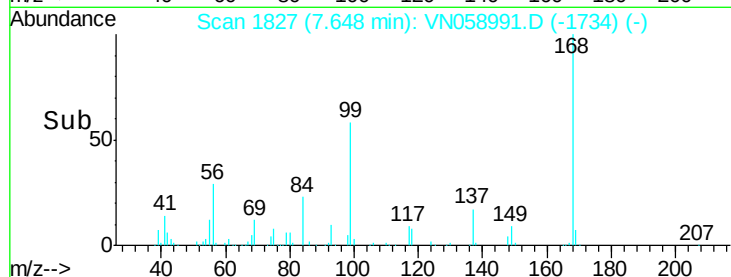
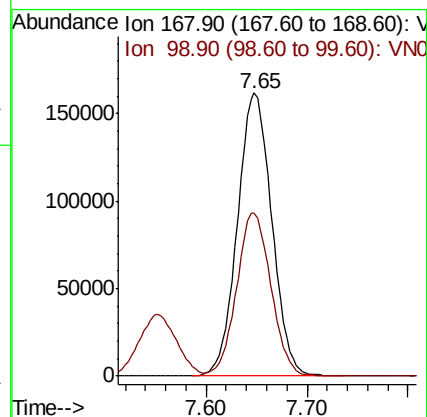
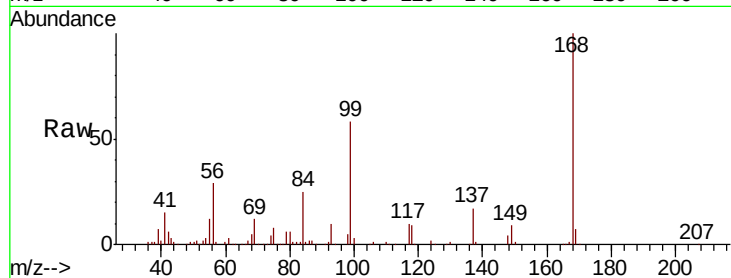
99 57.6 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.900 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058991.D

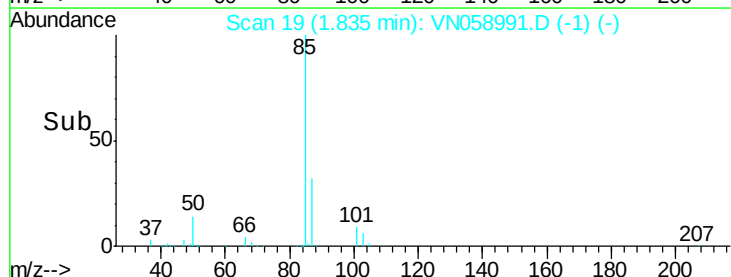
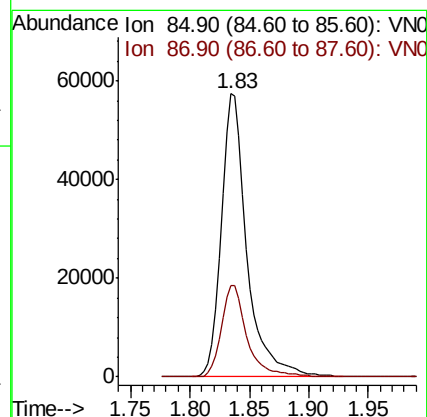
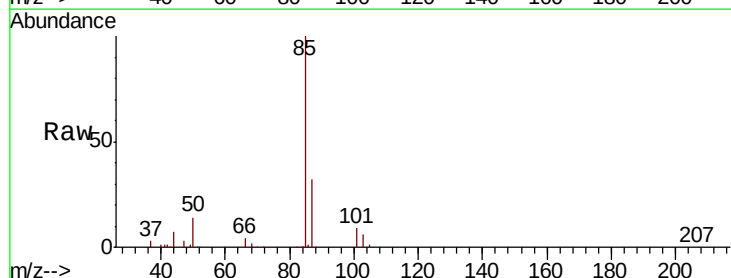
Acq: 28 Oct 2019 12:44

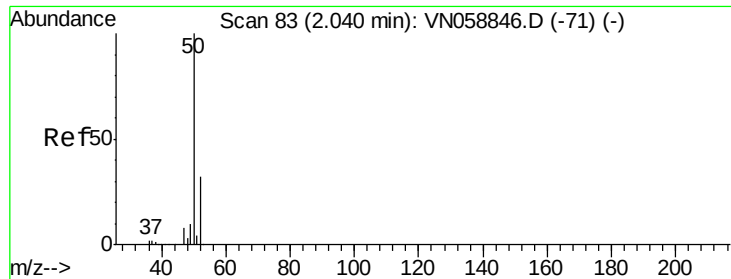
Tgt Ion: 85 Resp: 85392

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5





#3

Chloromethane

Concen: 18.652 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 50 Resp: 110204

Ion Ratio Lower Upper

50 100

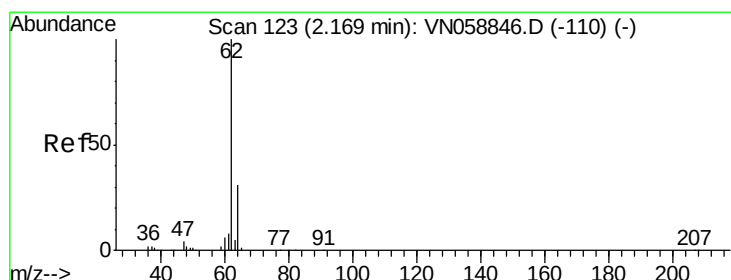
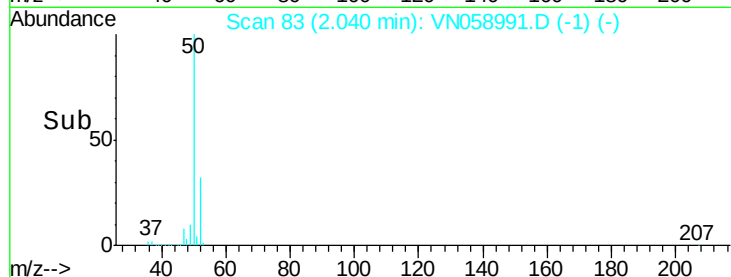
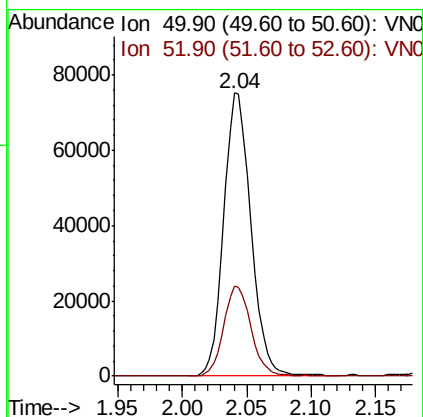
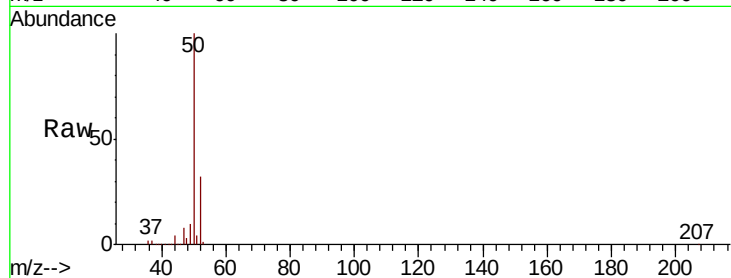
52 31.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.406 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058991.D

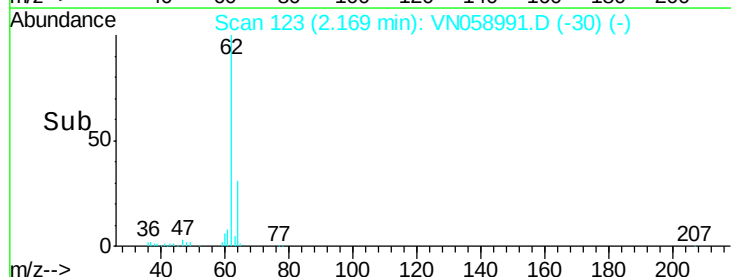
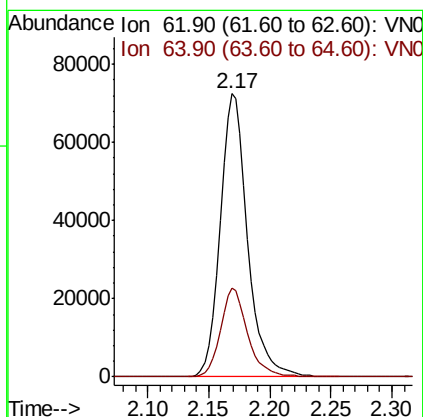
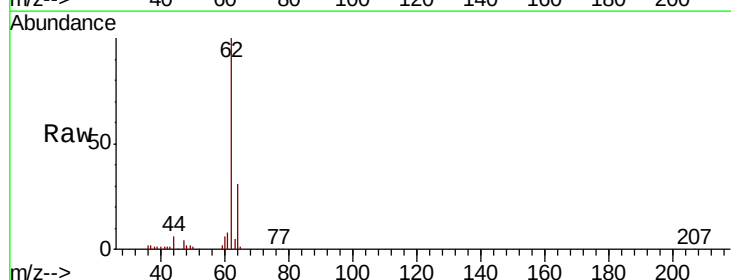
Acq: 28 Oct 2019 12:44

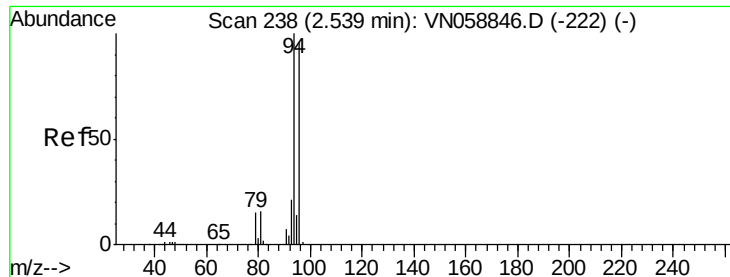
Tgt Ion: 62 Resp: 113847

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 18.463 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 94 Resp: 67826

Ion Ratio Lower Upper

94 100

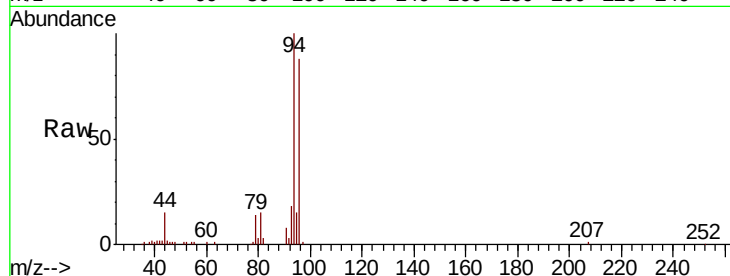
96 88.1 77.0 115.6

Manual Integrations

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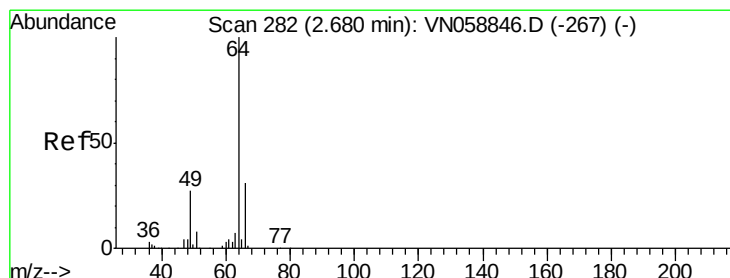
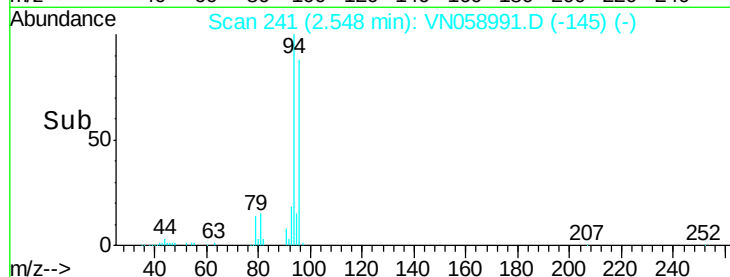
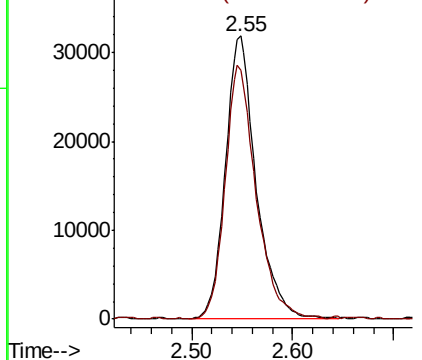
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.443 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058991.D

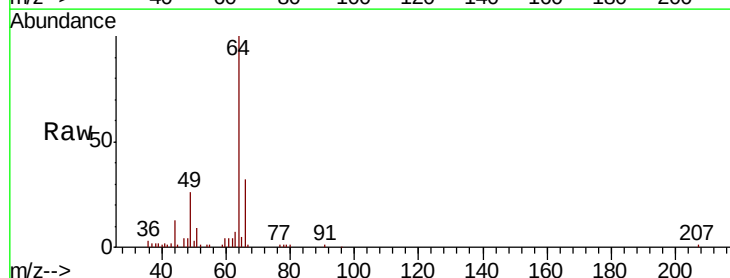
Acq: 28 Oct 2019 12:44

Tgt Ion: 64 Resp: 69382

Ion Ratio Lower Upper

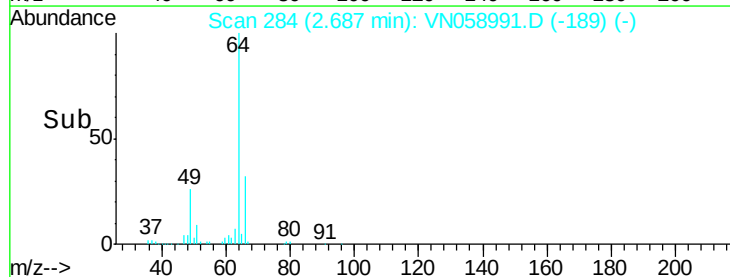
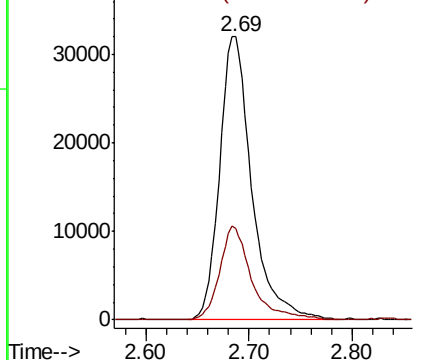
64 100

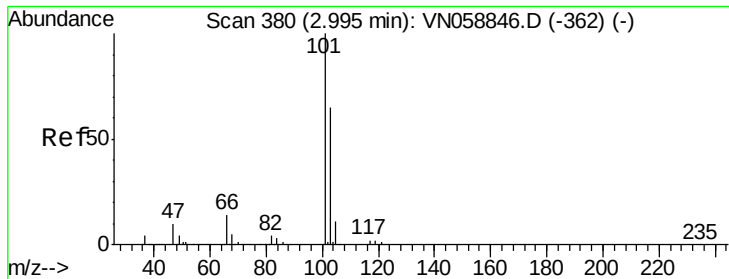
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

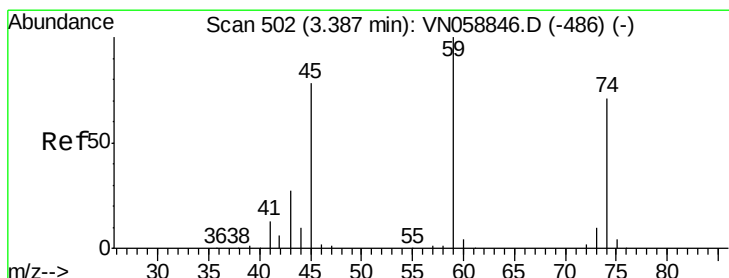
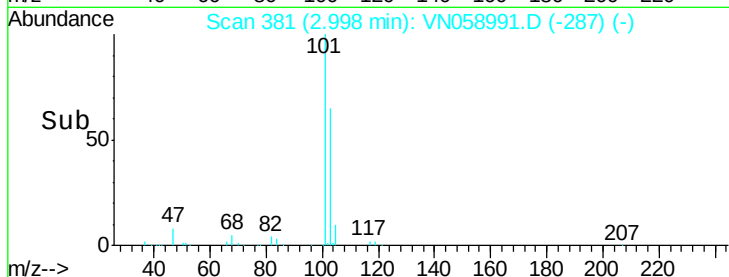
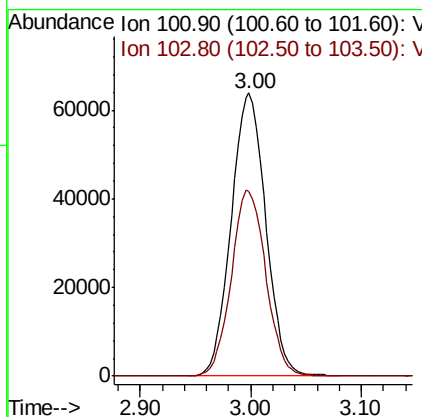
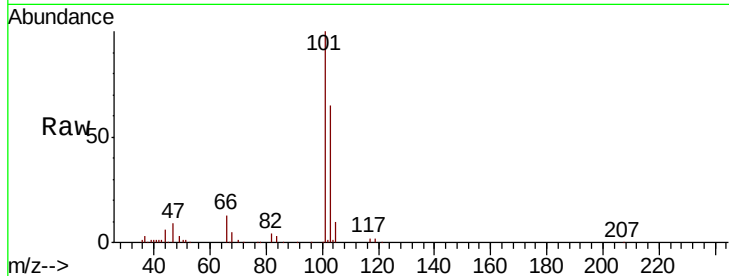
Trichlorofluoromethane
Concen: 19.108 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
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ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

Manual Integrations
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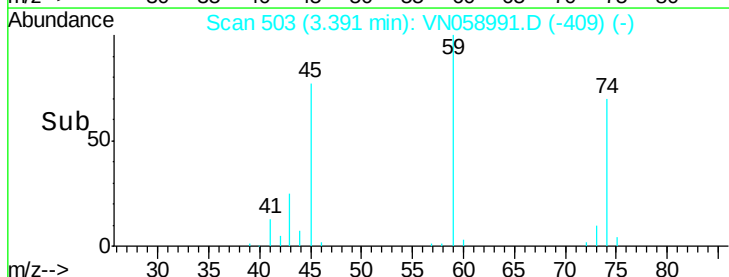
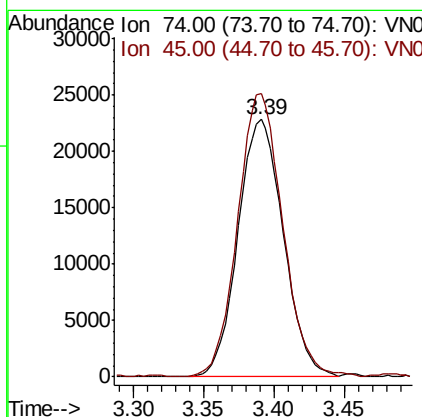
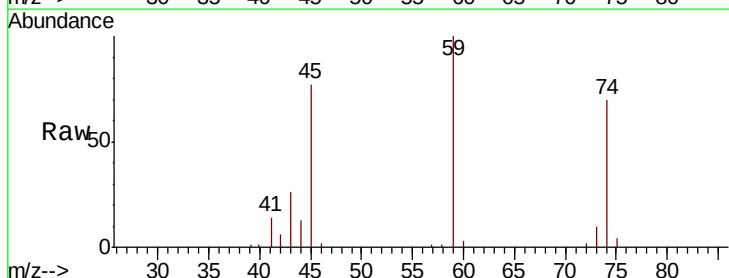
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10/30/2019 3:53:08 PM

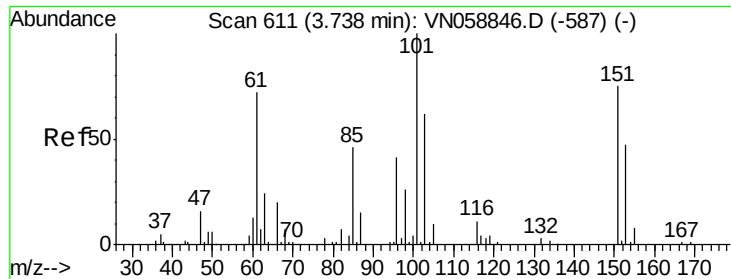


#8

Diethyl Ether
Concen: 20.492 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	54.9	164.5





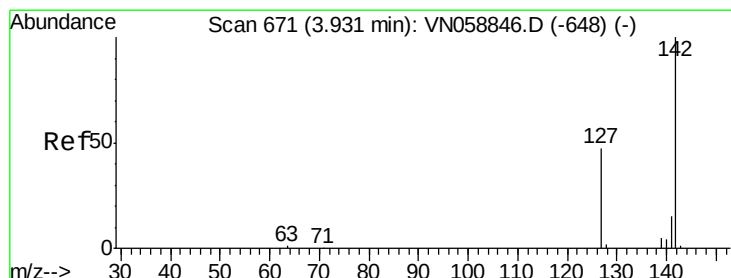
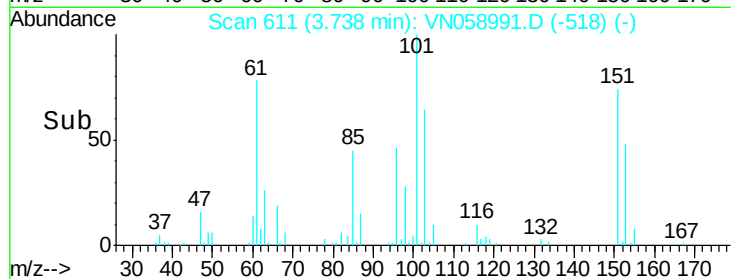
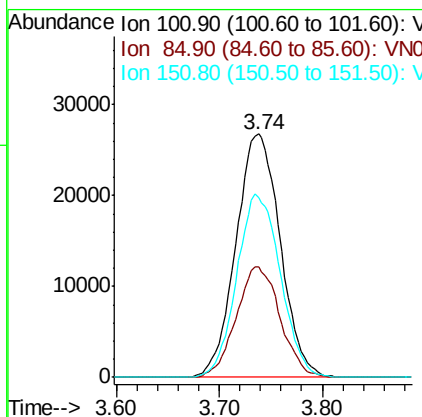
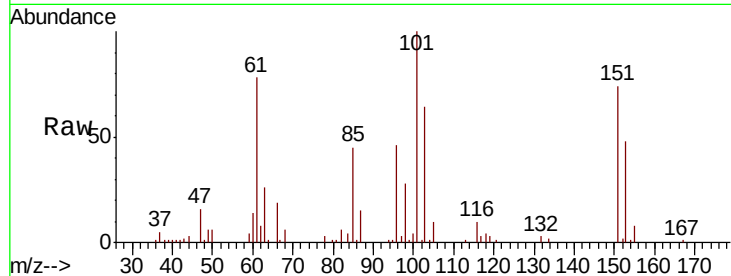
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.856 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058991.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	37.2	55.8
151	74.2	59.9	89.9

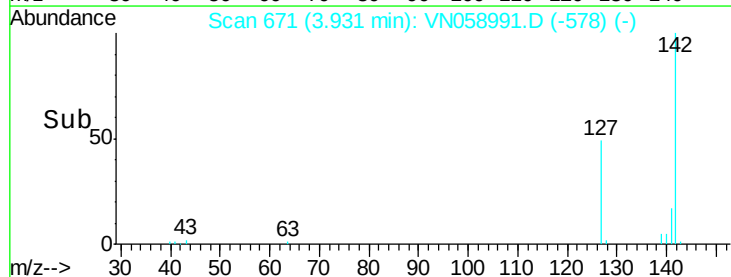
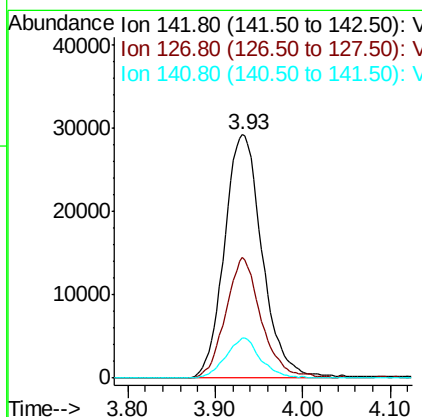
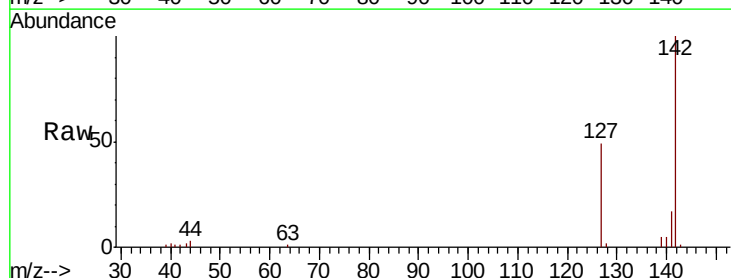
Manual Integrations
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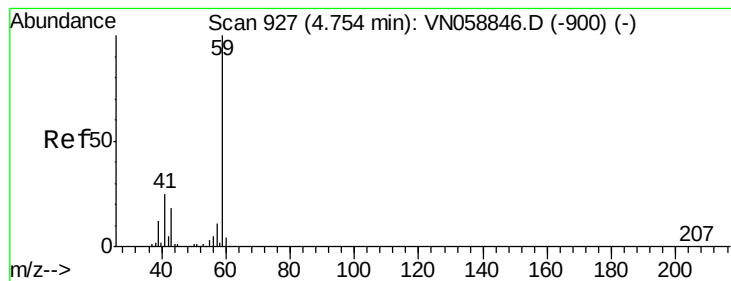
MMDadoda
 10/30/2019 3:53:08 PM



#10
 Methyl Iodide
 Concen: 16.539 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.6	36.6	54.8
141	15.1	11.4	17.2





#11

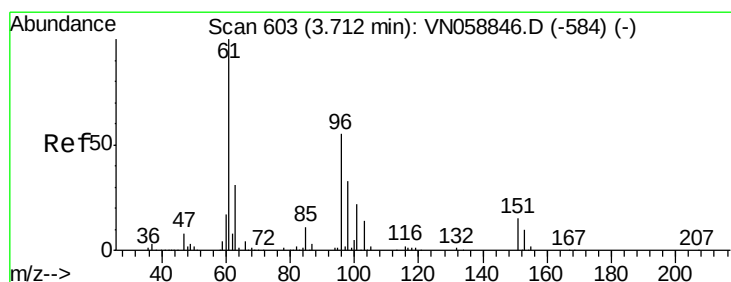
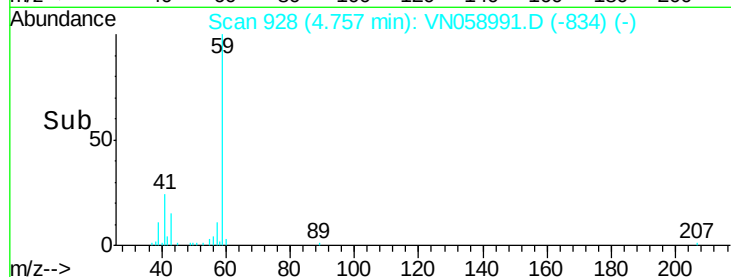
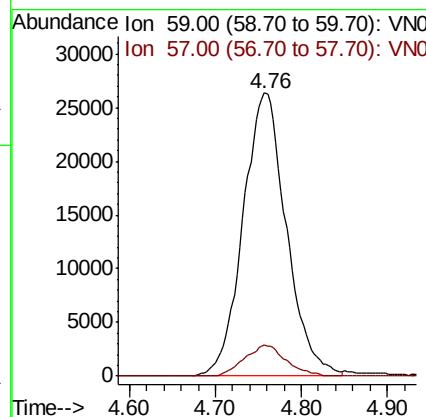
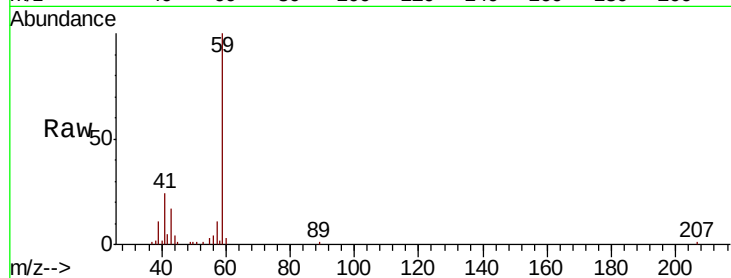
Tert butyl alcohol
 Concen: 99.189 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	59	Resp	92369
Ion Ratio	100	Lower	Upper
57	10.4	8.6	12.8

Manual Integrations
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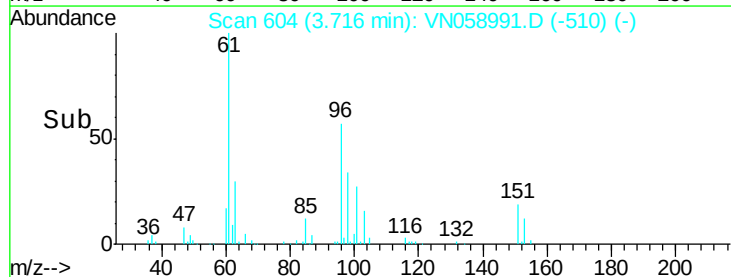
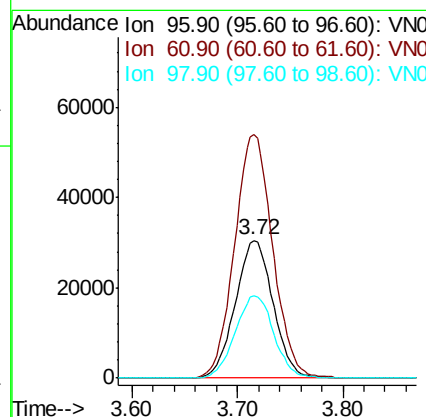
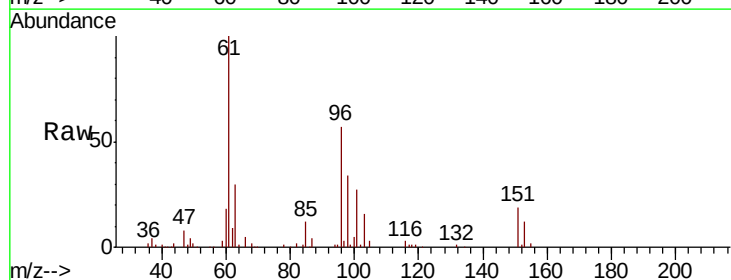
MMDadoda
 10/30/2019 3:53:08 PM

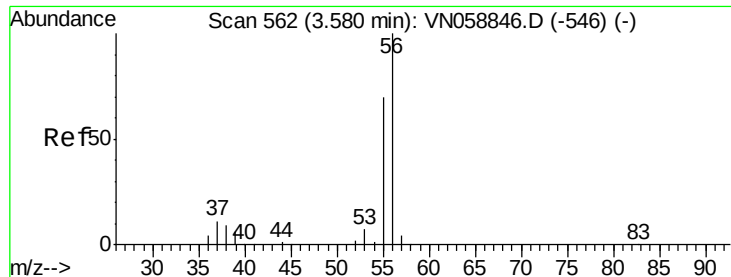


#12

1,1-Dichloroethene
 Concen: 20.072 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	96	Resp	75710
Ion Ratio	100	Lower	Upper
61	176.6	146.2	219.2
98	59.8	48.7	73.1





#13

Acrolein

Concen: 58.934 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 56 Resp: 37710

Ion Ratio Lower Upper

56 100

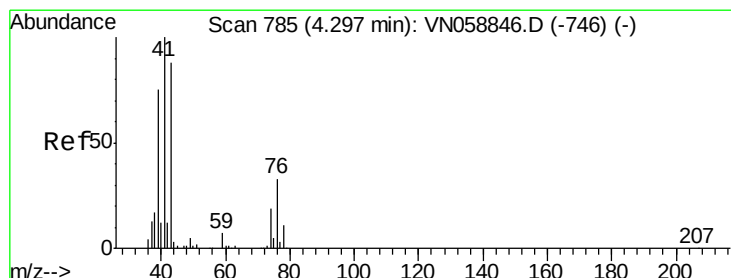
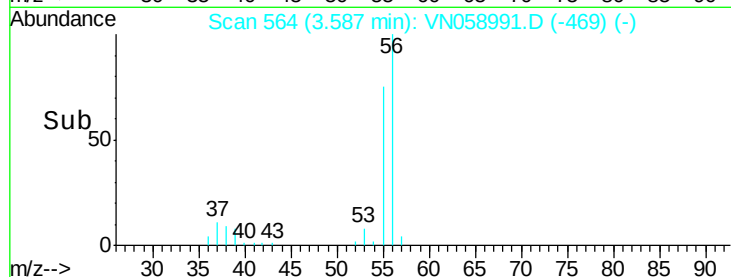
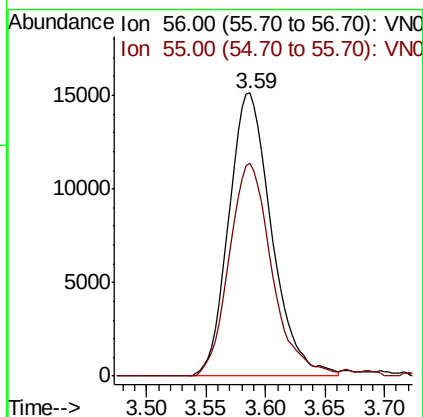
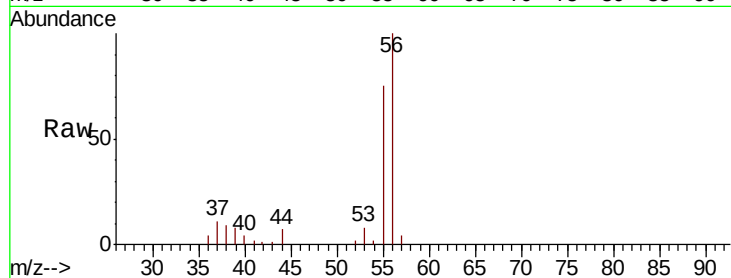
55 75.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.058 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

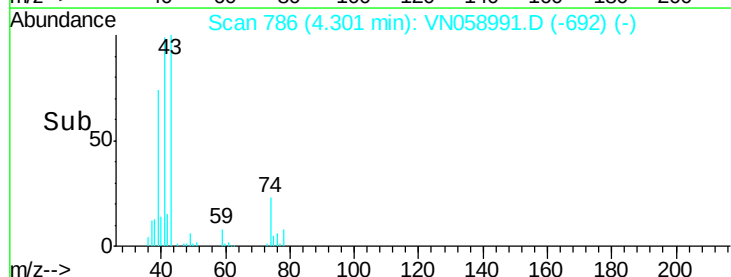
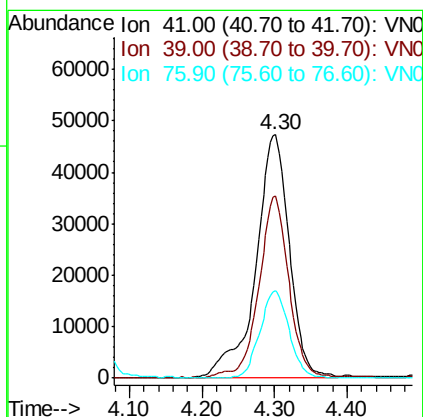
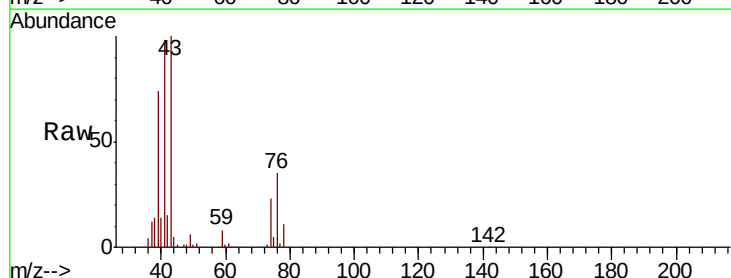
Tgt Ion: 41 Resp: 153092

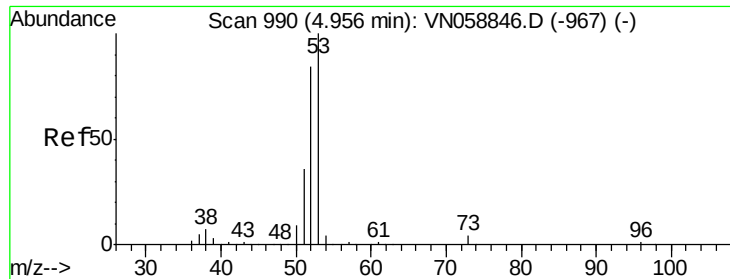
Ion Ratio Lower Upper

41 100

39 66.8 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 105.139 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

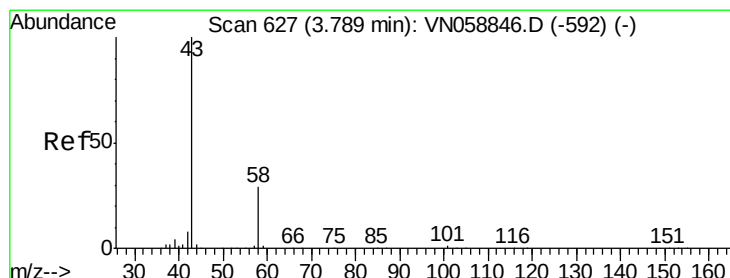
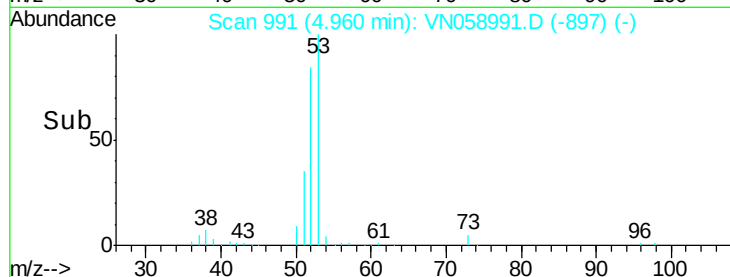
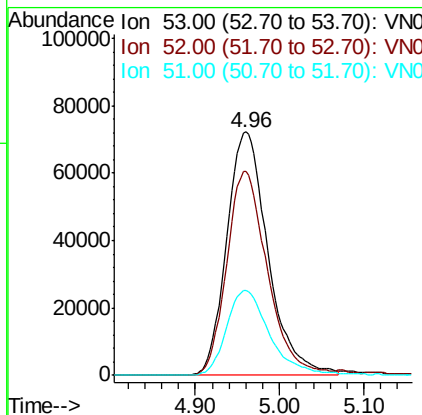
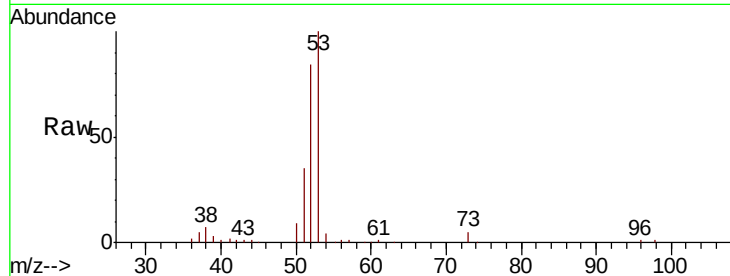
ClientSampleId :

VN1028WBSD01

Tot Ion:	53	Resp:	246285
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.6	99.8
51	36.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 90.571 ug/l

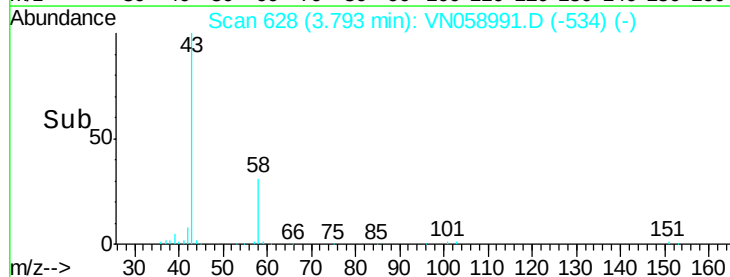
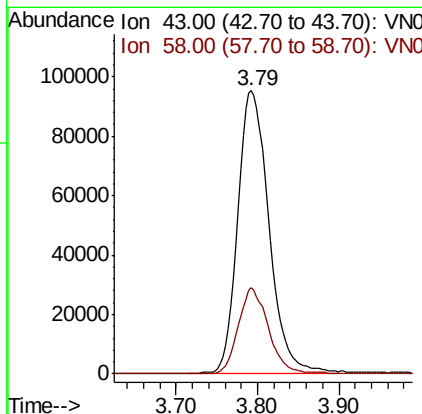
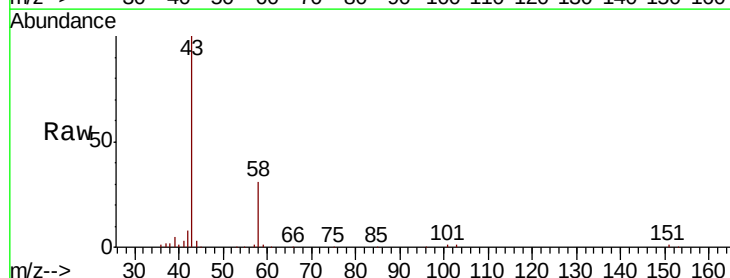
RT: 3.79 min Scan# 628

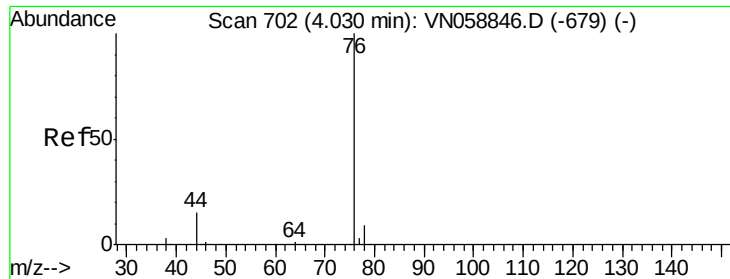
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	43	Resp:	251152
Ion Ratio		Lower	Upper
43	100		
58	30.6	23.1	34.7





#17

Carbon Disulfide

Concen: 17.671 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 76 Resp: 214717

Ion Ratio Lower Upper

76 100

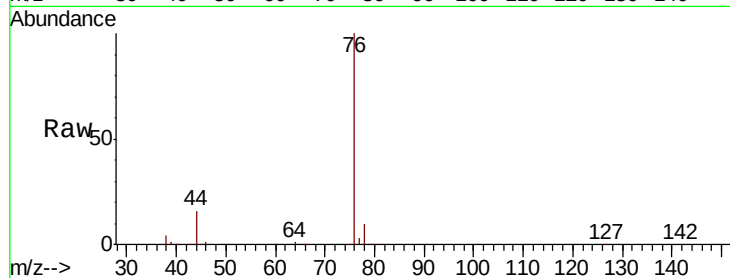
78 9.5 7.1 10.7

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

80000

60000

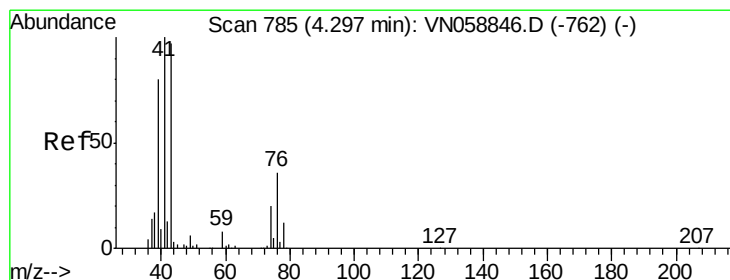
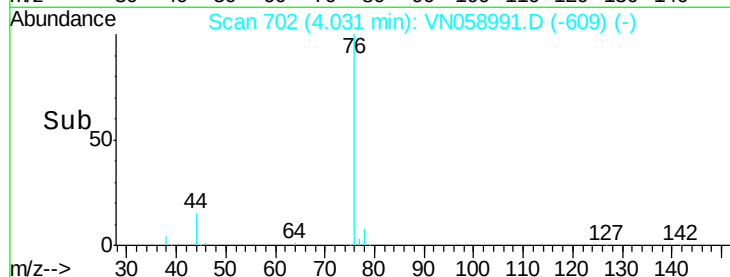
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 21.758 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058991.D

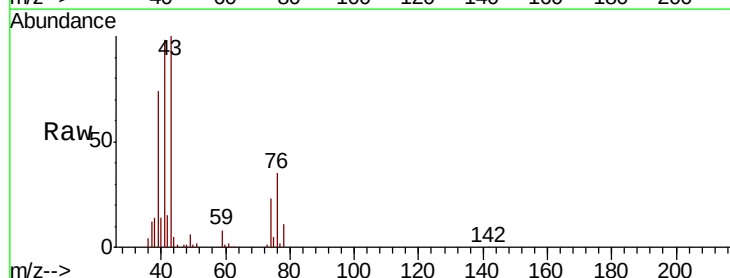
Acq: 28 Oct 2019 12:44

Tgt Ion: 43 Resp: 137173

Ion Ratio Lower Upper

43 100

74 22.0 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

50000

40000

30000

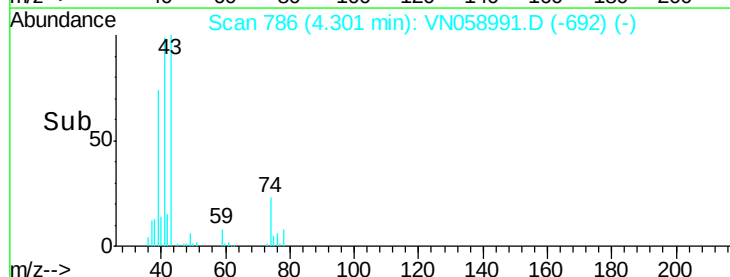
20000

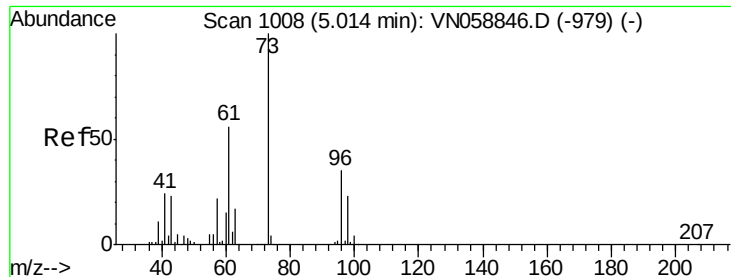
10000

0

Time-->

4.20 4.30 4.40





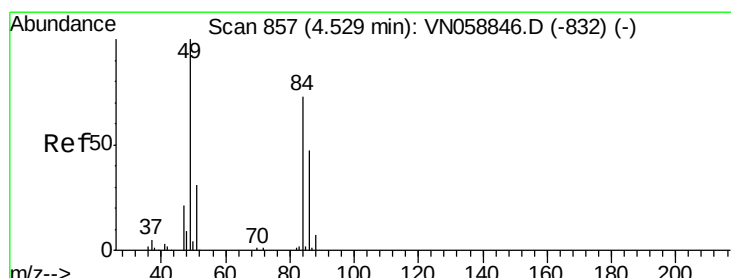
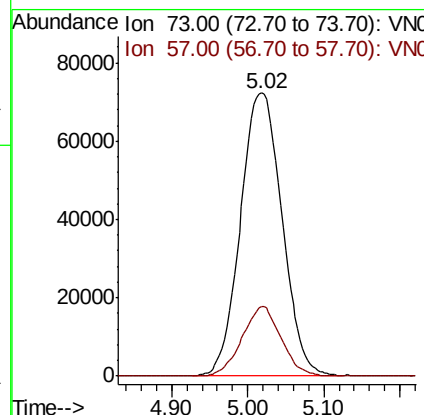
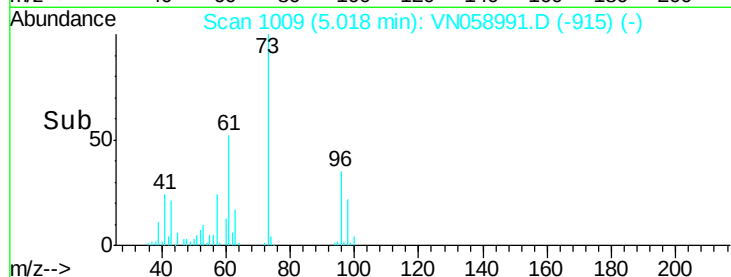
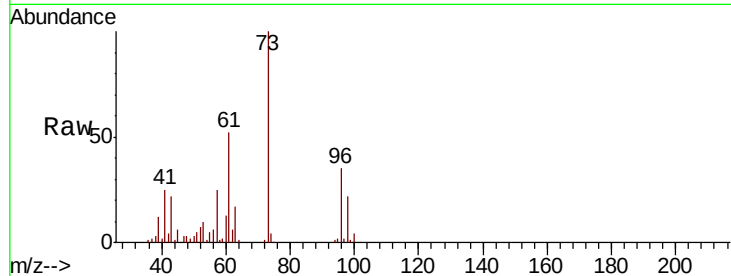
#19
Methyl tert-butyl Ether
Concen: 20.836 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 73 Resp: 275200
Ion Ratio Lower Upper
73 100
57 24.7 17.9 26.9

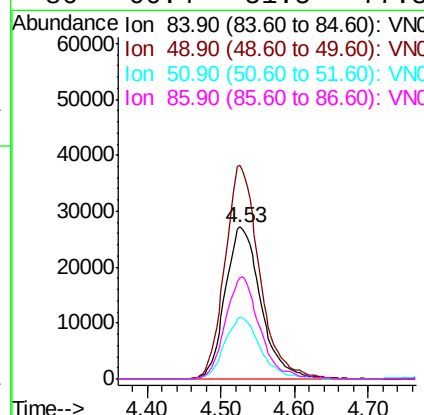
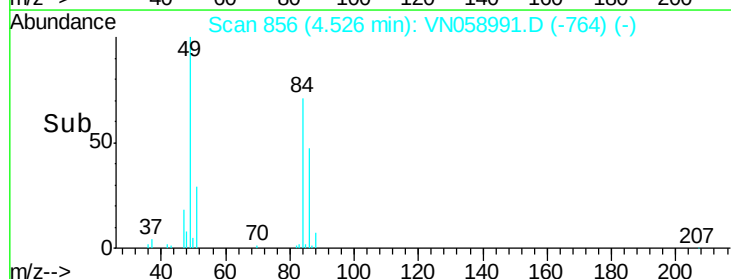
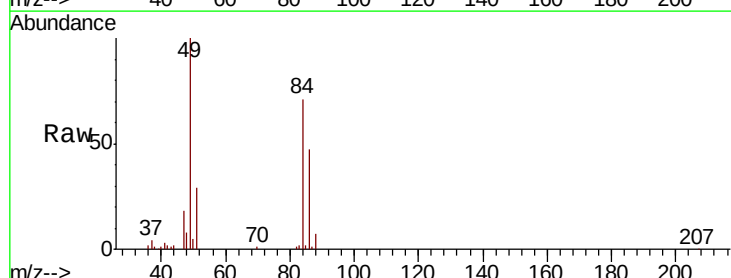
Manual Integrations
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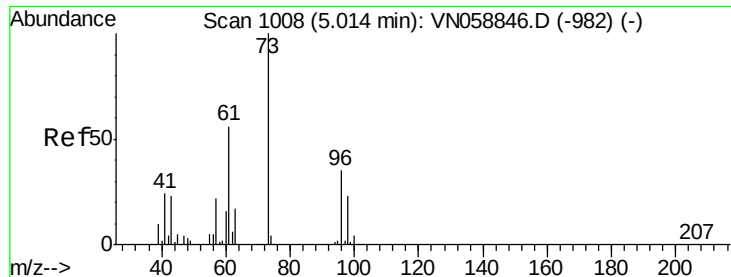
MMDadoda
10/30/2019 3:53:08 PM



#20
Methylene Chloride
Concen: 19.339 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 84 Resp: 91568
Ion Ratio Lower Upper
84 100
49 140.0 109.6 164.4
51 40.8 33.8 50.6
86 66.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.278 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 96 Resp: 80302

Ion Ratio Lower Upper

96 100

61 150.3 126.7 190.1

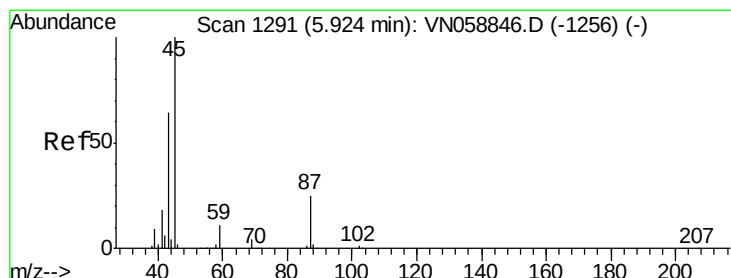
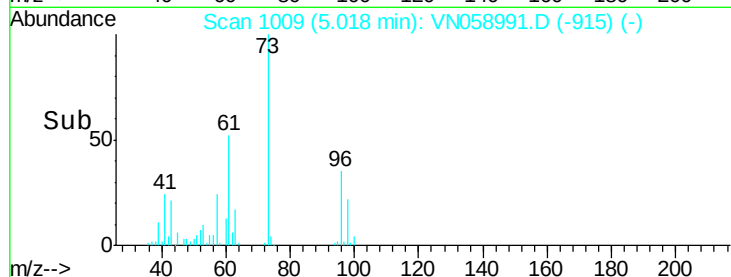
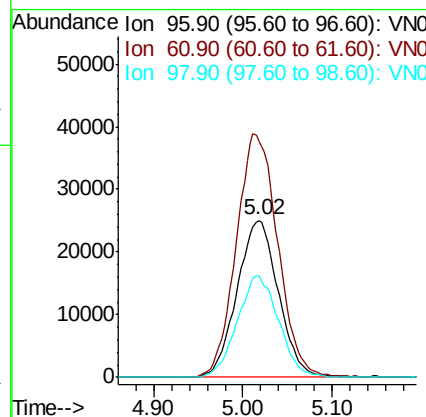
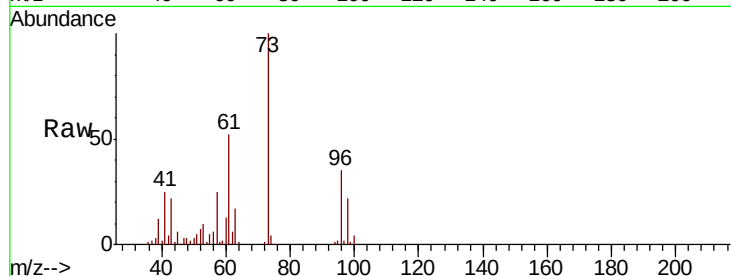
98 64.4 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.127 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion: 45 Resp: 315413

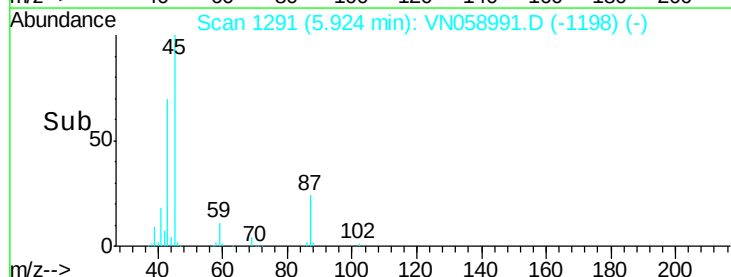
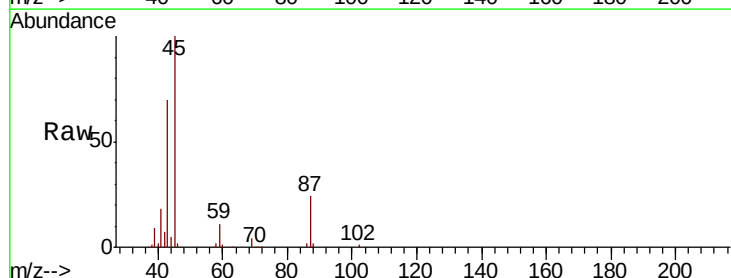
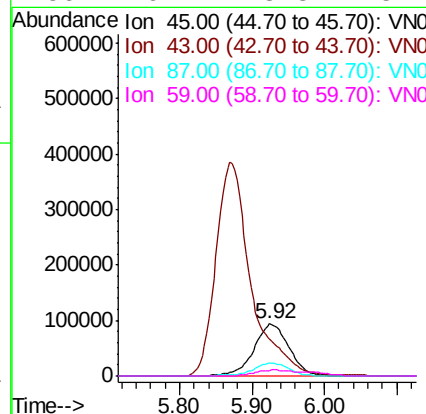
Ion Ratio Lower Upper

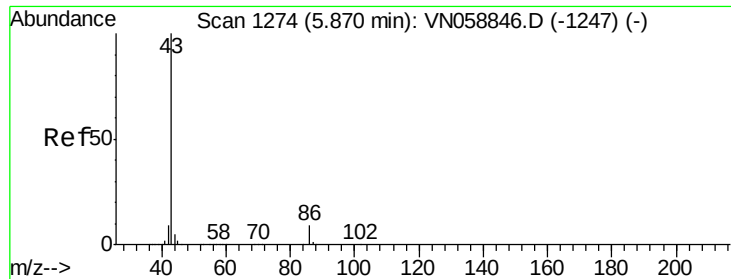
45 100

43 68.5 52.9 79.3

87 23.9 20.2 30.4

59 10.7 8.8 13.2





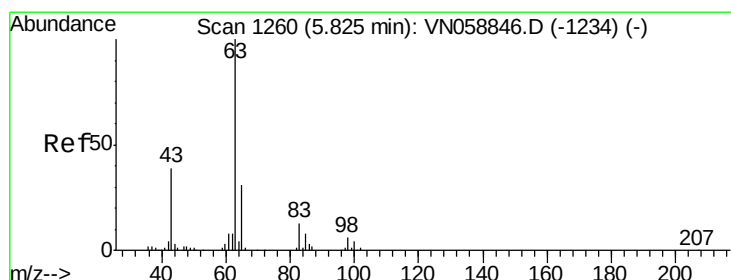
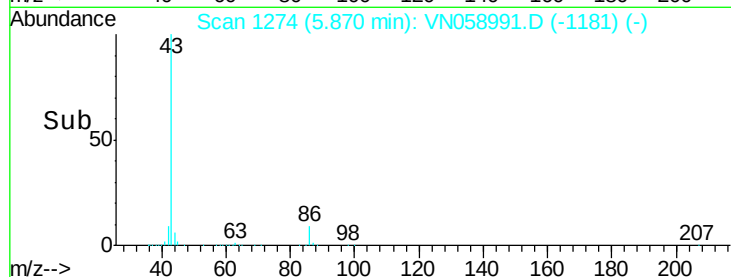
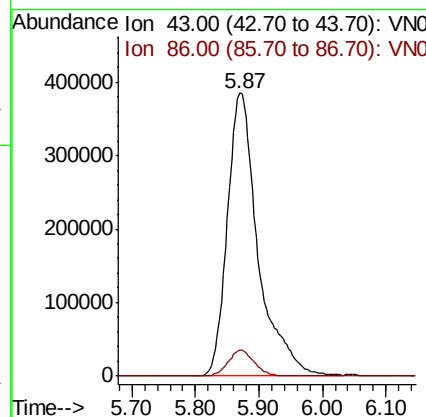
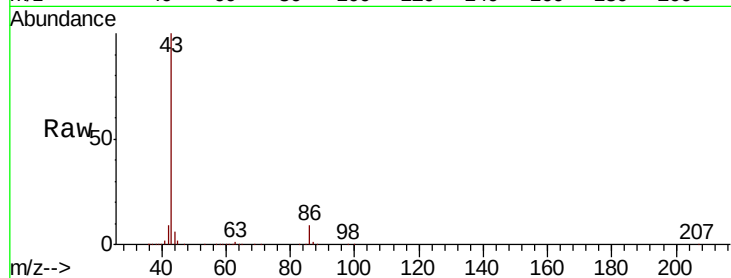
#23
 Vinyl Acetate
 Concen: 108.101 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion: 43 Resp: 1296623
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.2 10.8

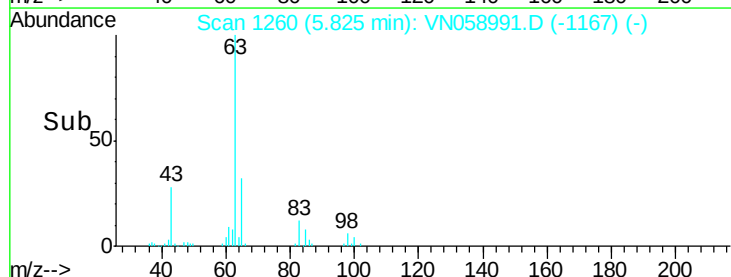
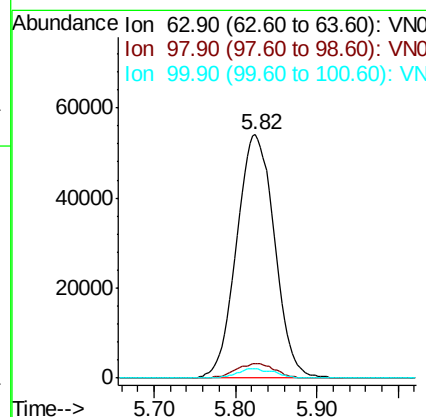
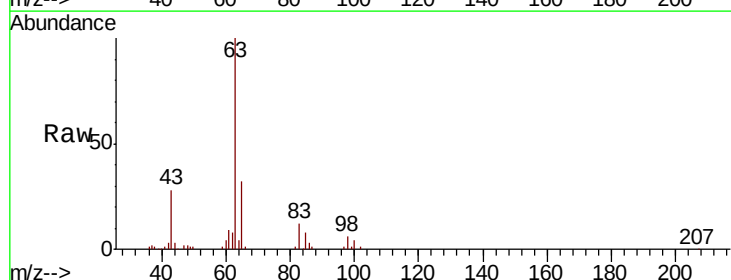
Manual Integrations
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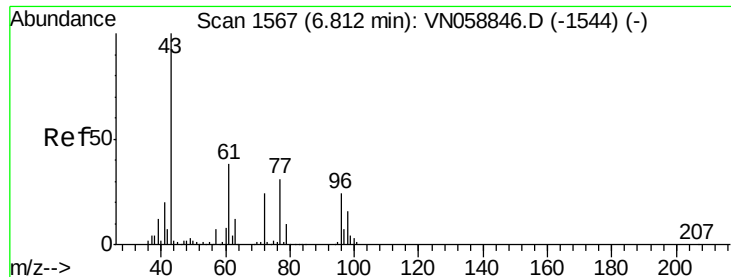
MMDadoda
 10/30/2019 3:53:08 PM



#24
 1,1-Dichloroethane
 Concen: 20.111 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion: 63 Resp: 174095
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 97.878 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 43 Resp: 352327

Ion Ratio Lower Upper

43 100

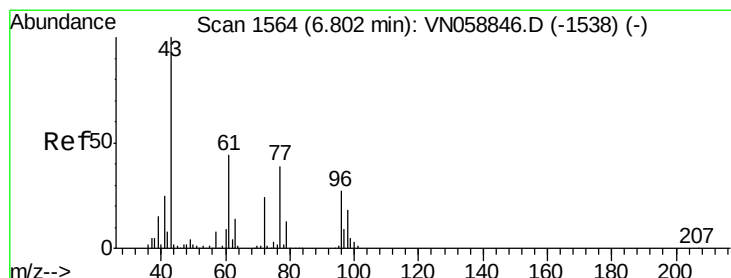
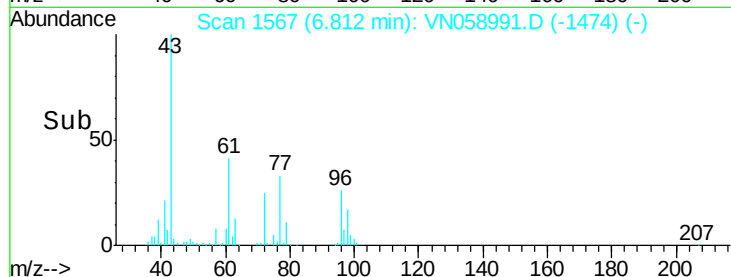
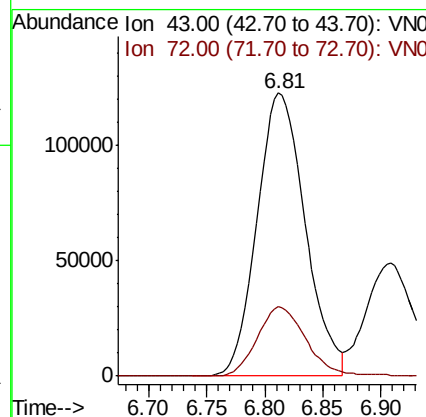
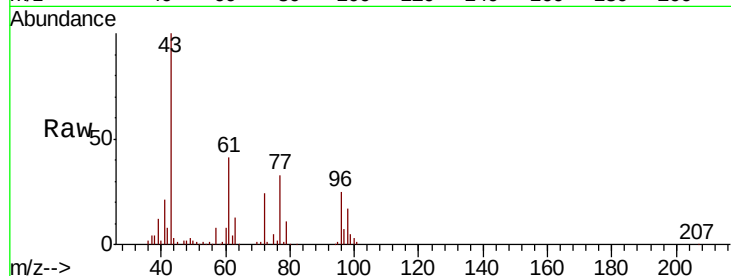
72 24.5 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.823 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058991.D

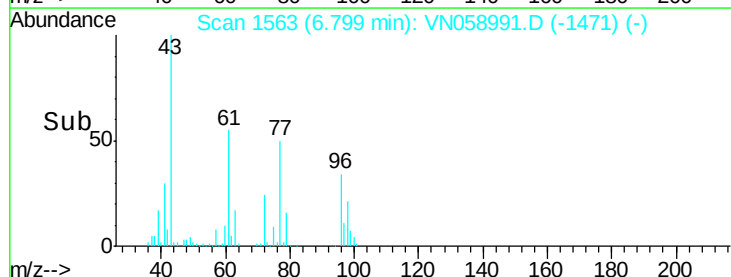
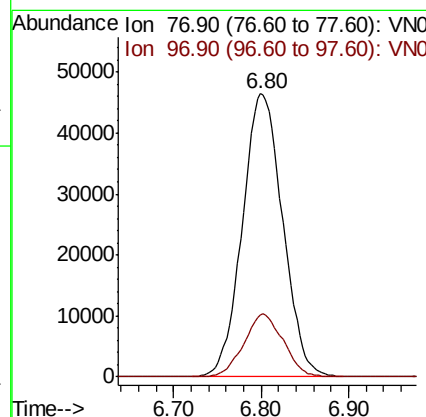
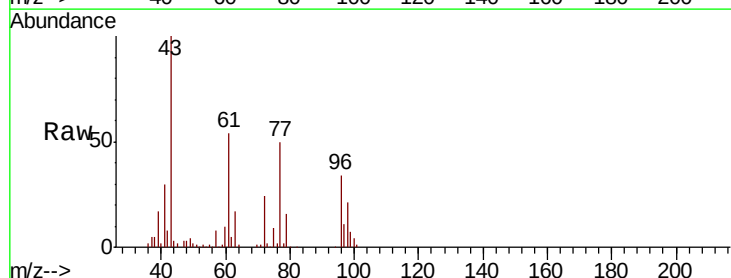
Acq: 28 Oct 2019 12:44

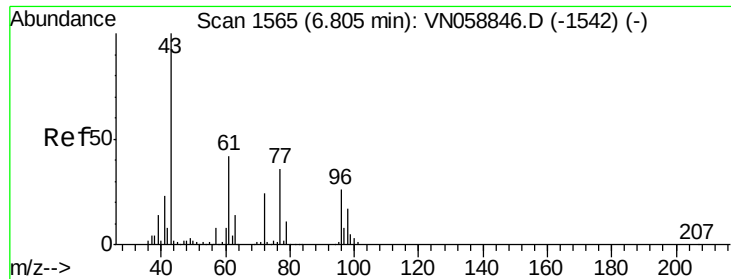
Tgt Ion: 77 Resp: 148426

Ion Ratio Lower Upper

77 100

97 21.6 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.308 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

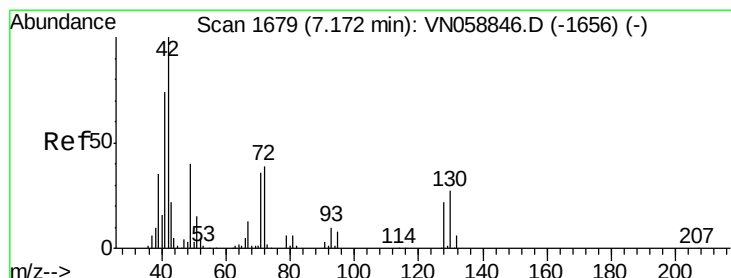
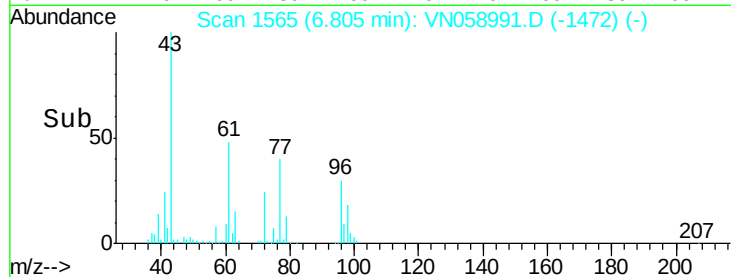
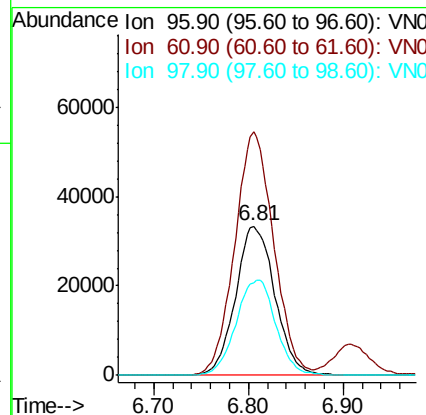
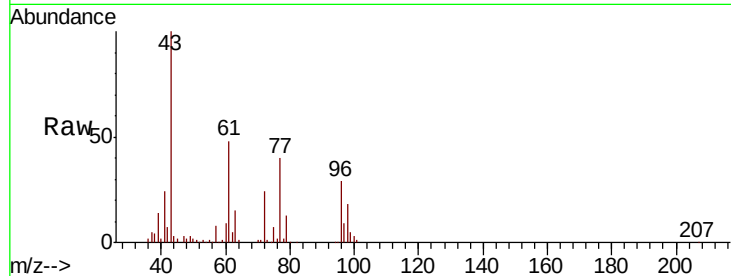
ClientSampleId :

VN1028WBSD01

Tot Ion:	96	Resp:	96635
Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	325.0
98	64.6	0.0	128.0

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#28

Bromochloromethane

Concen: 20.690 ug/l

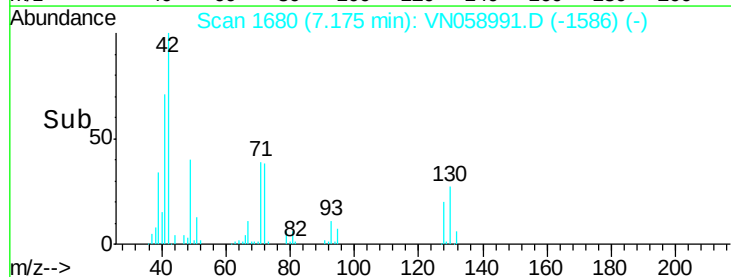
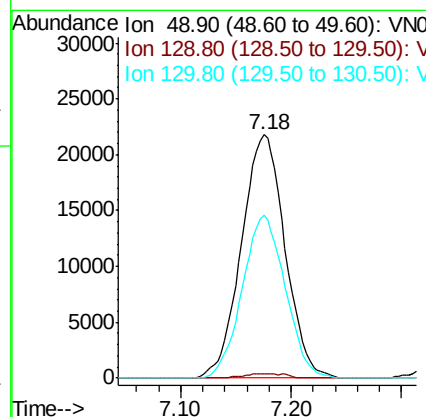
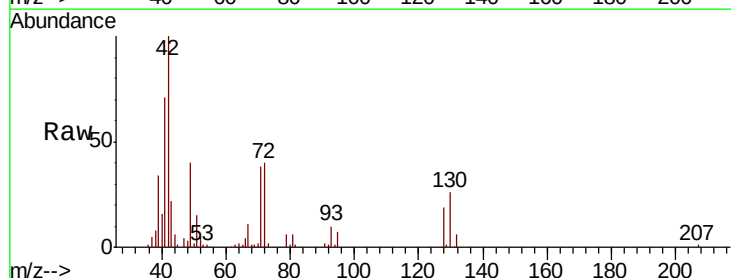
RT: 7.18 min Scan# 1680

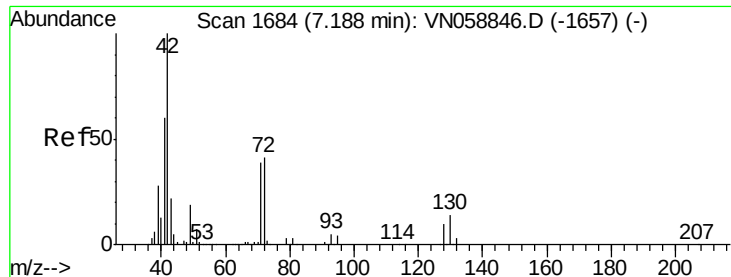
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	49	Resp:	59649
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.7	53.5	80.3





#29

Tetrahydrofuran

Concen: 103.728 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

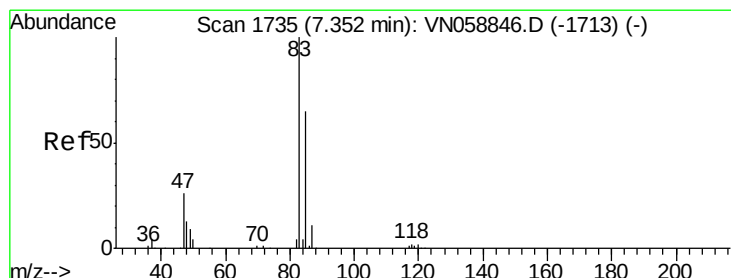
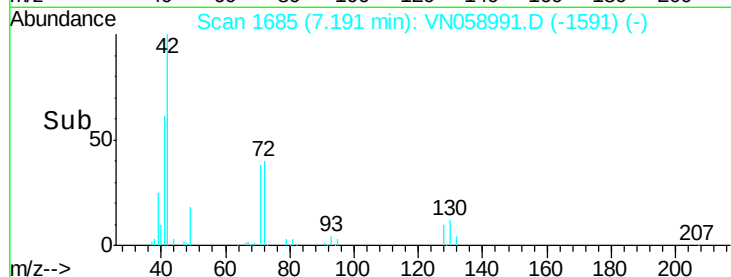
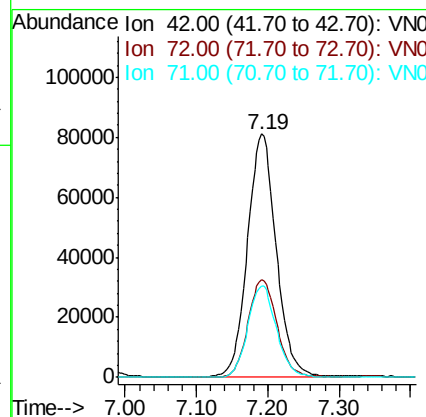
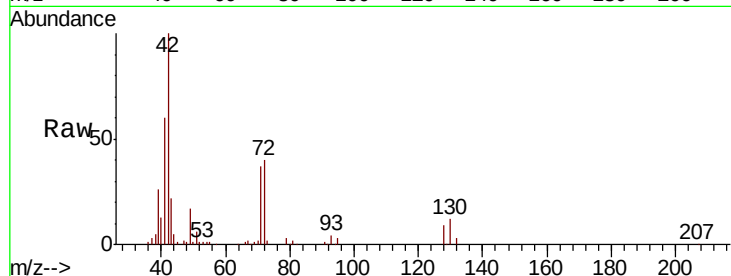
ClientSampleId :

VN1028WBSD01

Tot Ion:	42	Resp:	228412
Ion Ratio		Lower	Upper
42	100		
72	40.2	32.2	48.2
71	37.4	30.6	45.8

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#30

Chloroform

Concen: 19.341 ug/l

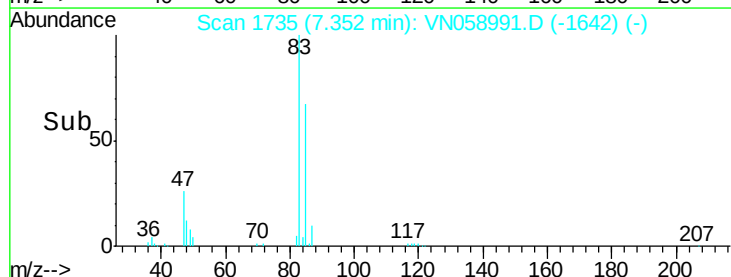
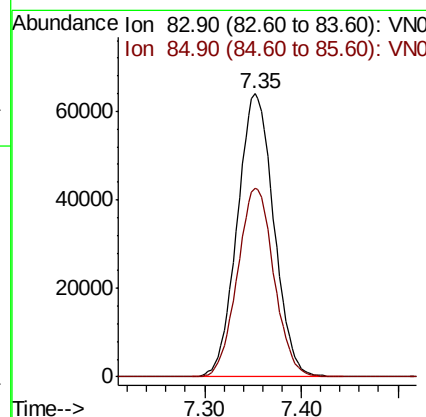
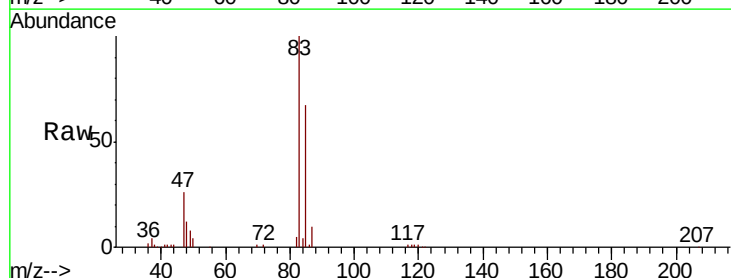
RT: 7.35 min Scan# 1735

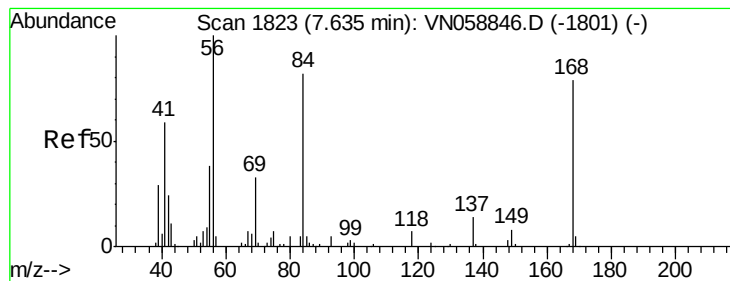
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	83	Resp:	167944
Ion Ratio		Lower	Upper
83	100		
85	66.8	51.9	77.9





#31

Cyclohexane

Concen: 18.942 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

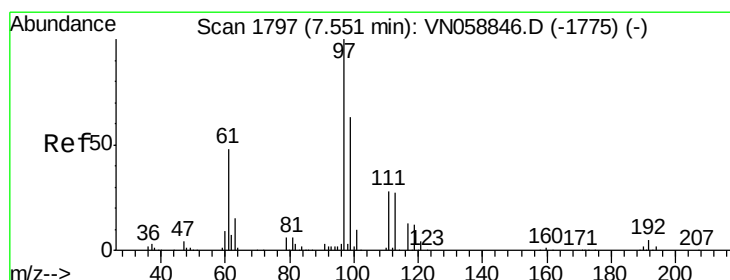
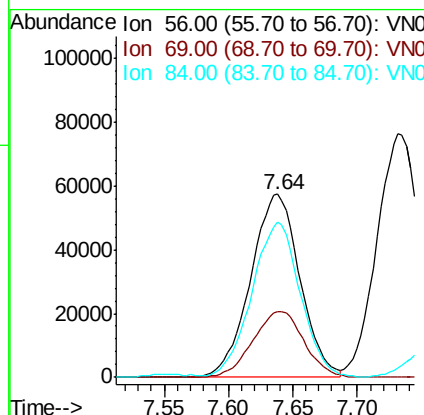
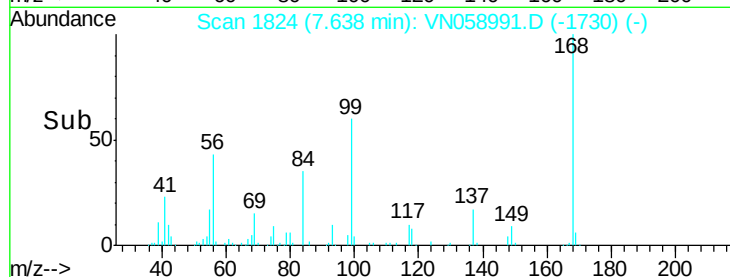
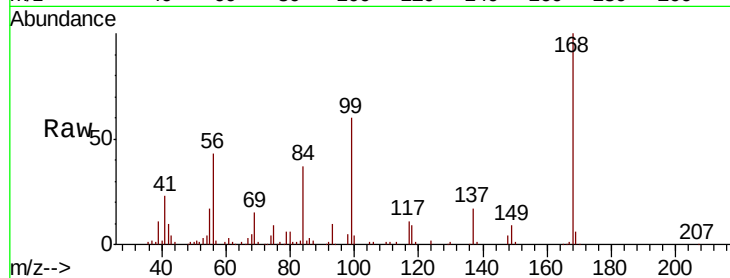
ClientSampleId :

VN1028WBSD01

Tot Ion:	56	Resp:	152761
Ion Ratio	Lower	Upper	
56	100		
69	35.9	26.2	39.4
84	83.3	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 19.747 ug/l

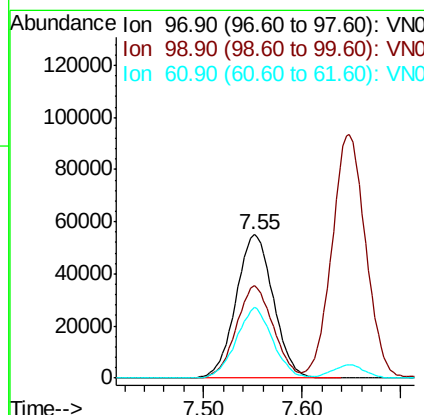
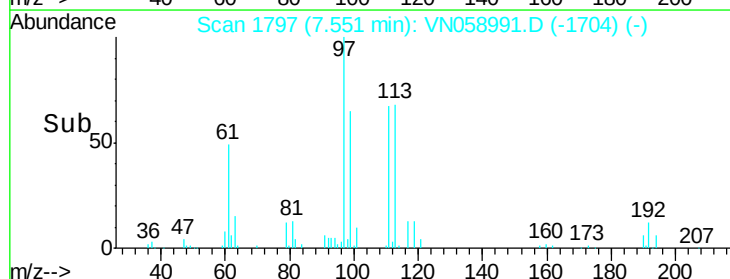
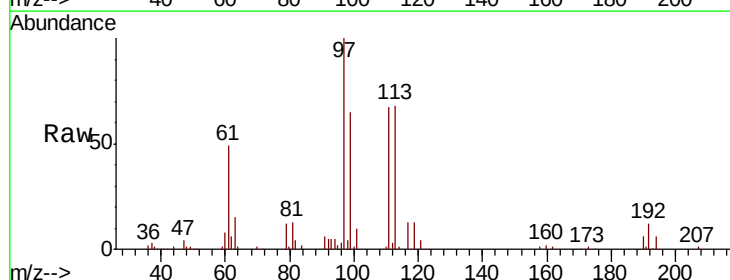
RT: 7.55 min Scan# 1797

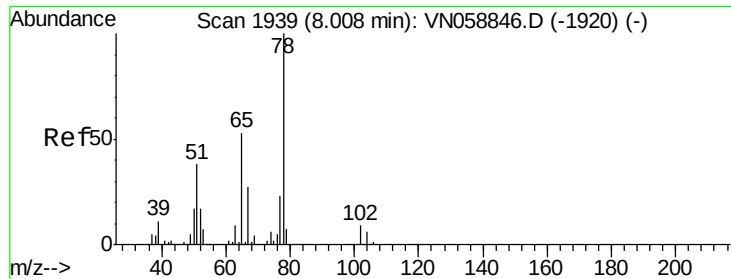
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	97	Resp:	144536
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.4
61	48.0	38.6	58.0





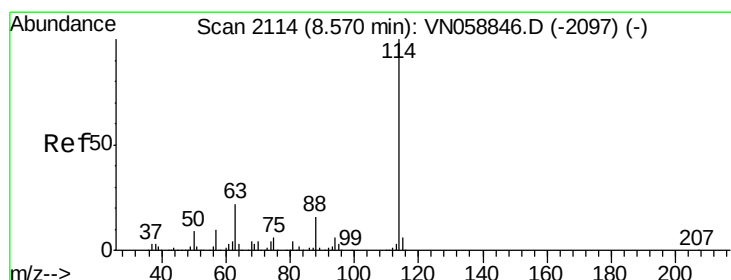
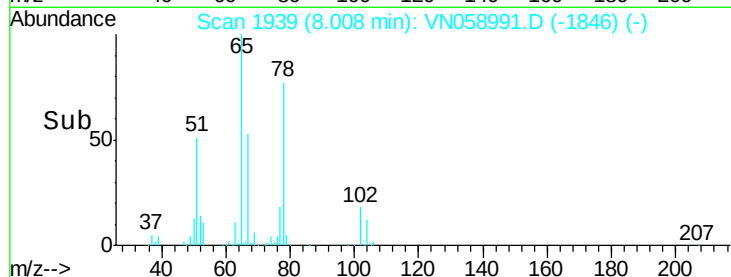
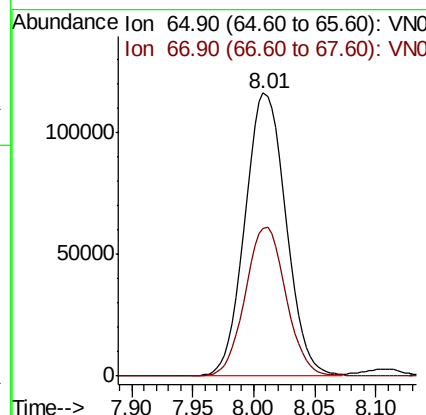
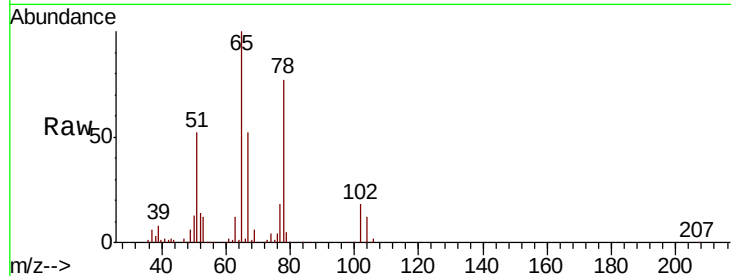
#33
 1,2-Dichloroethane-d4
 Concen: 48.320 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	271158		
67	52.2	0.0	103.2	

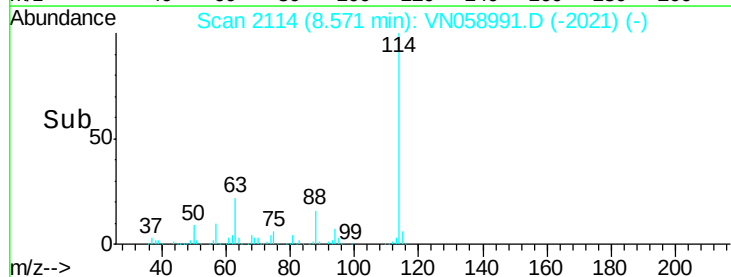
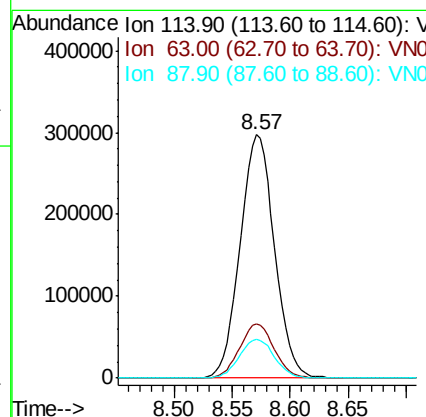
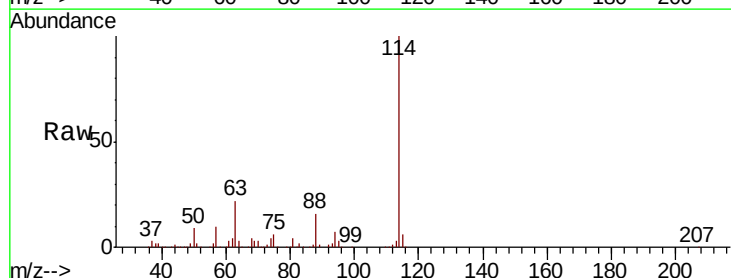
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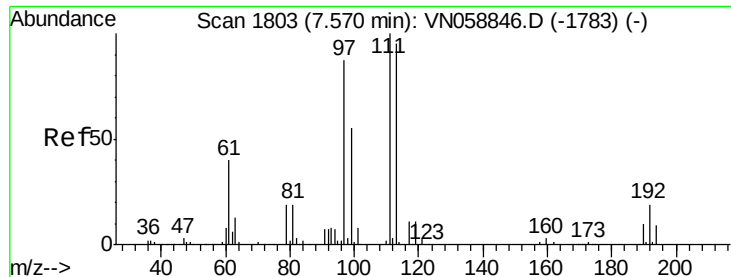
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	611832		
63	22.4	0.0	44.4	
88	16.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.083 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

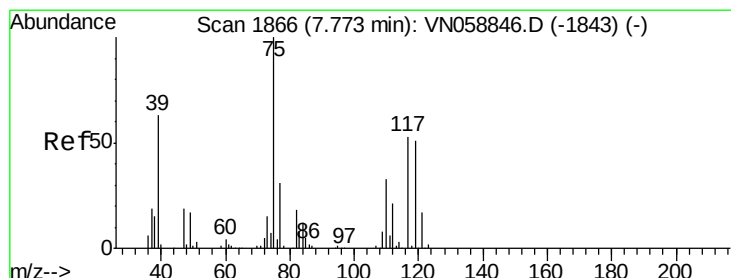
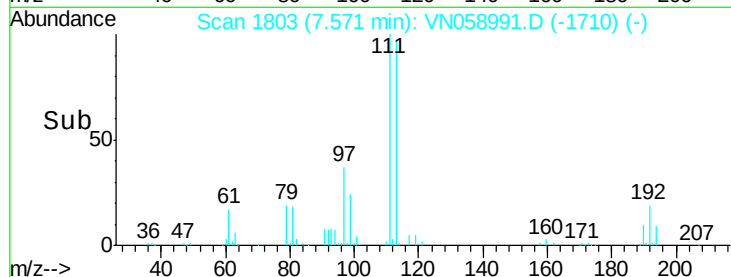
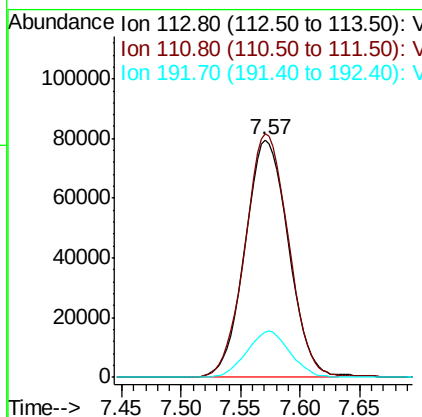
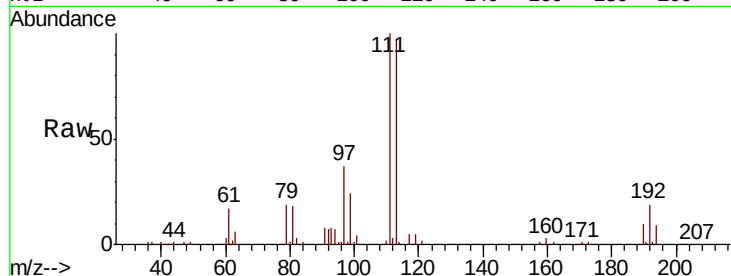
ClientSampleId :

VN1028WBSD01

Tot Ion:	113	Resp:	201464
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.0	123.0
192	19.4	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 19.456 ug/l

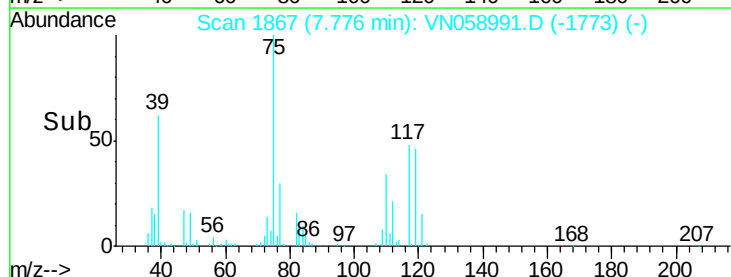
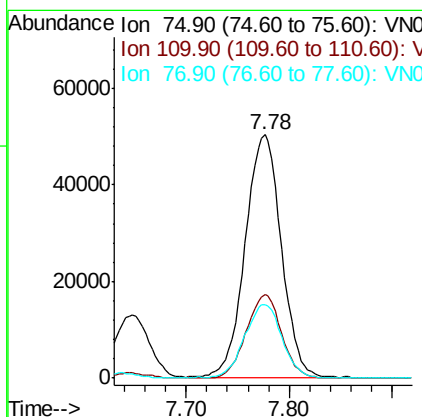
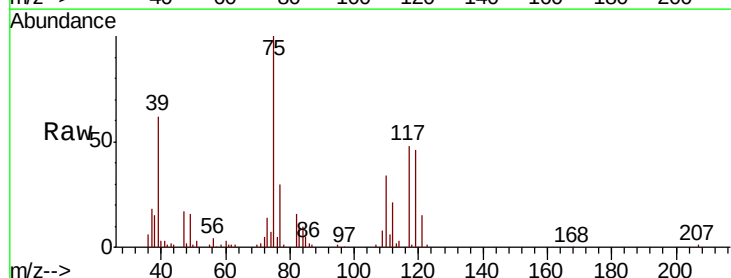
RT: 7.78 min Scan# 1867

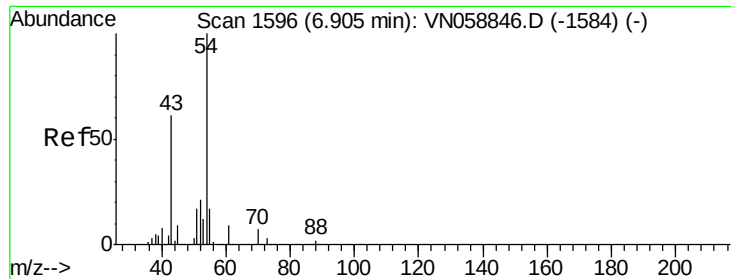
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	75	Resp:	121869
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.3	48.9
77	31.4	24.6	36.8





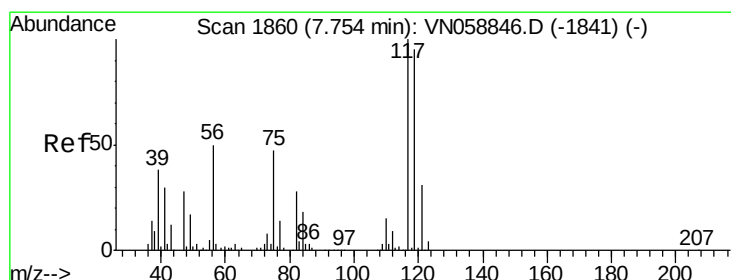
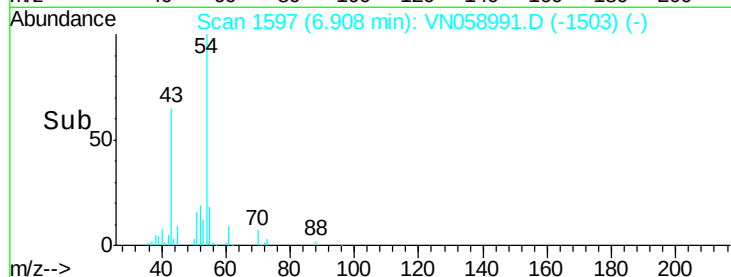
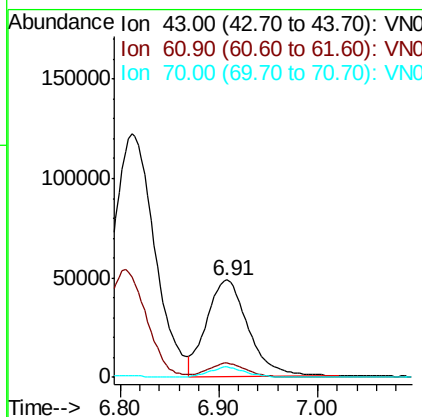
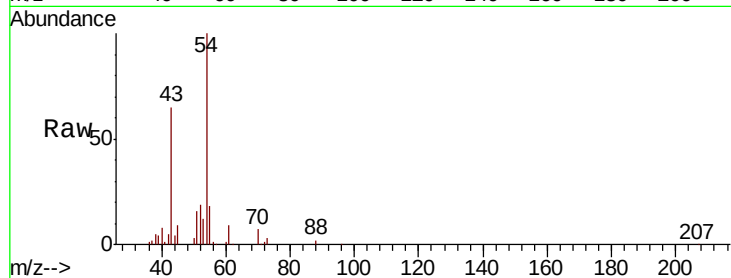
#37
Ethyl Acetate
Concen: 20.772 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	9.6	7.6	11.4

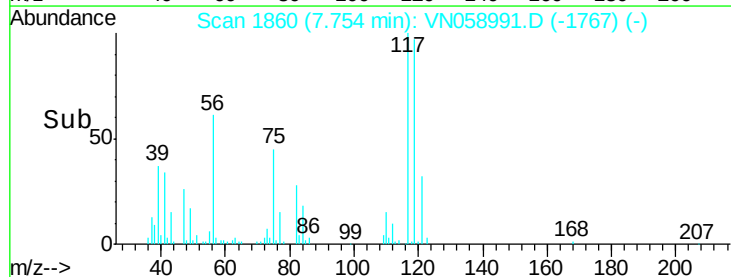
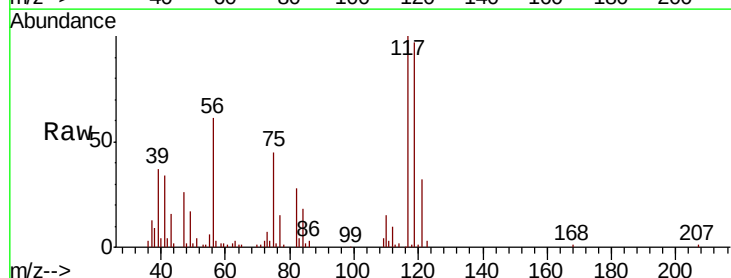
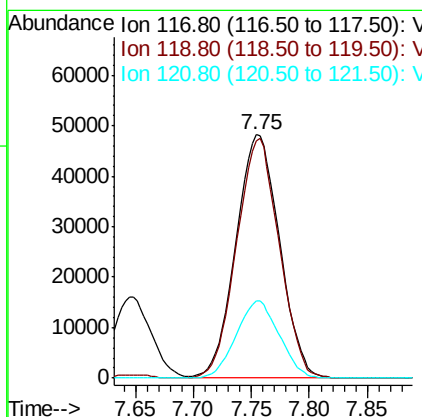
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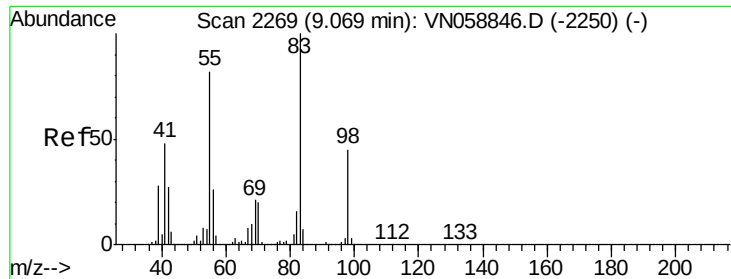
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#38
Carbon Tetrachloride
Concen: 19.518 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	32.0	25.0	37.6





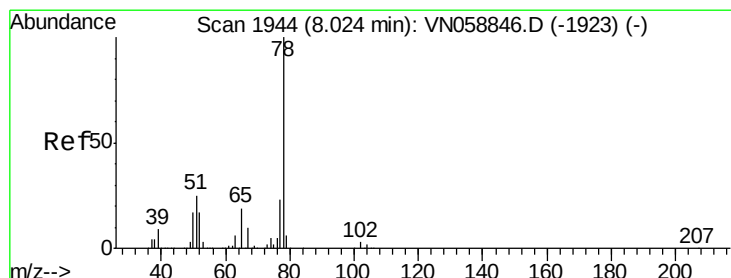
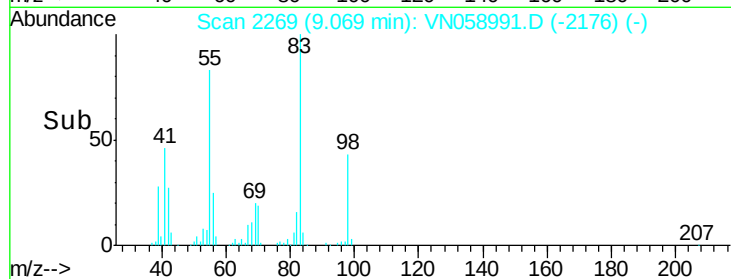
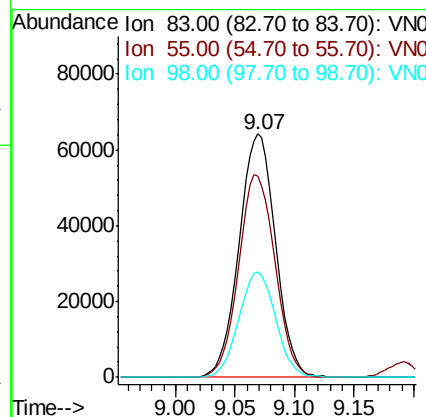
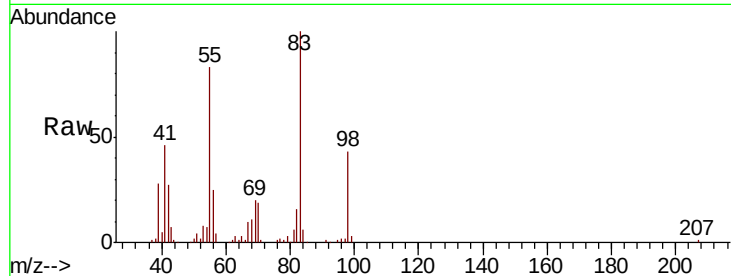
#39
Methylvlcyclohexane
Concen: 19.387 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	65.5	98.3
98	43.2	35.7	53.5

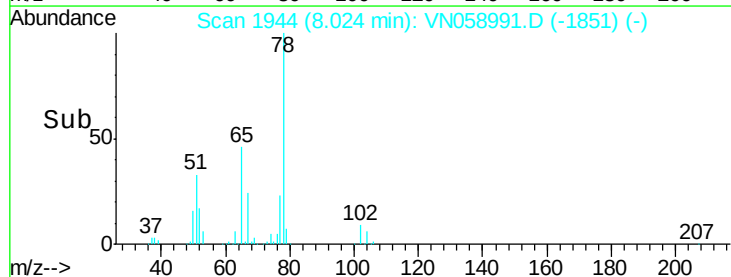
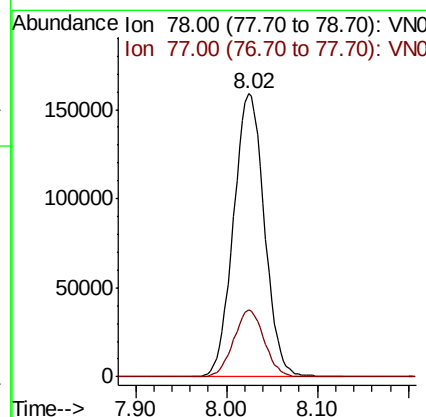
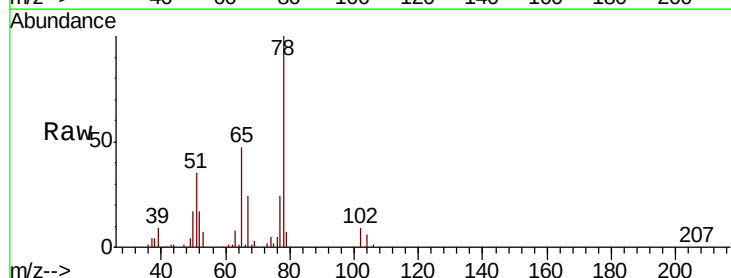
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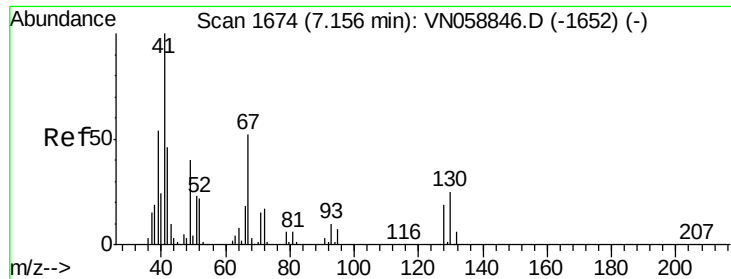
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#40
Benzene
Concen: 20.397 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





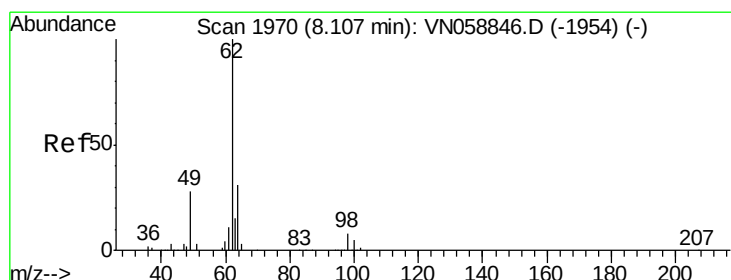
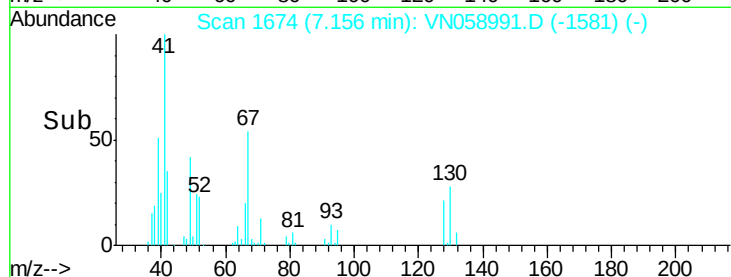
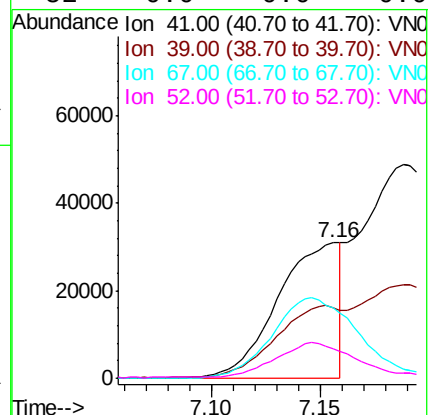
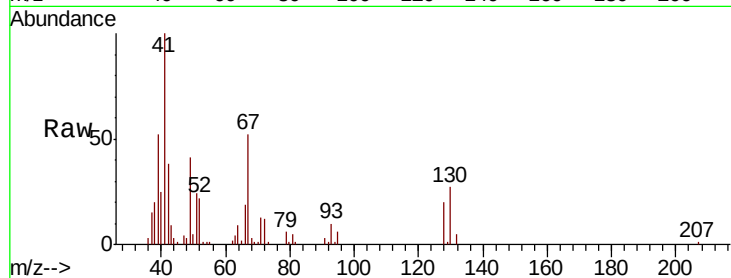
#41
Methacrylonitrile
Concen: 20.434 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

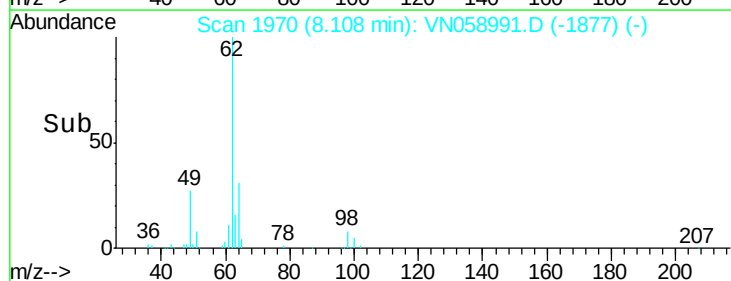
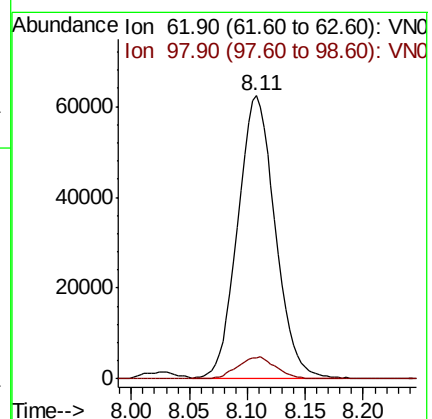
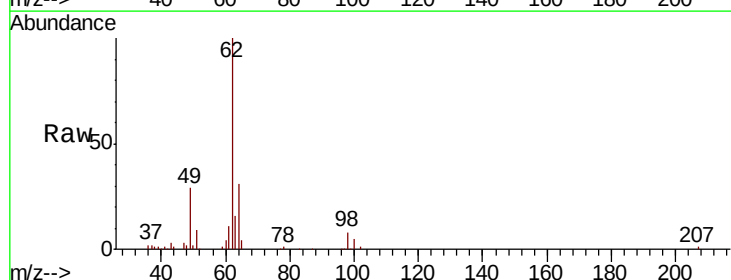
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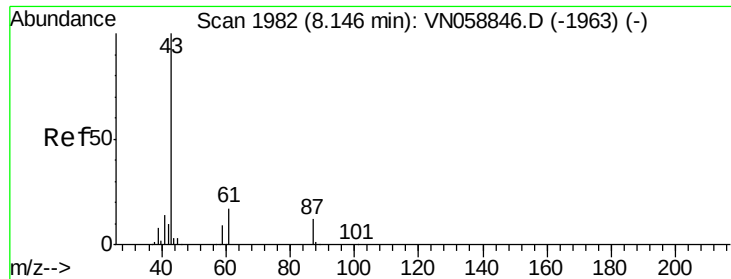
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#42
1,2-Dichloroethane
Concen: 19.681 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.495 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

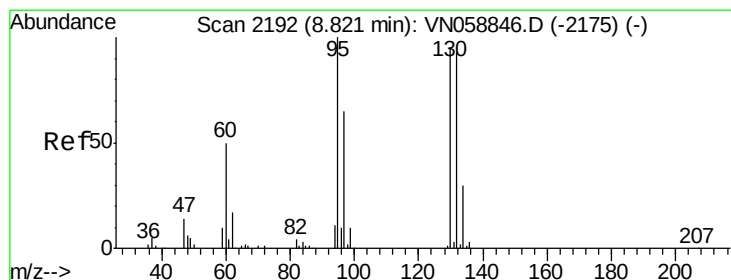
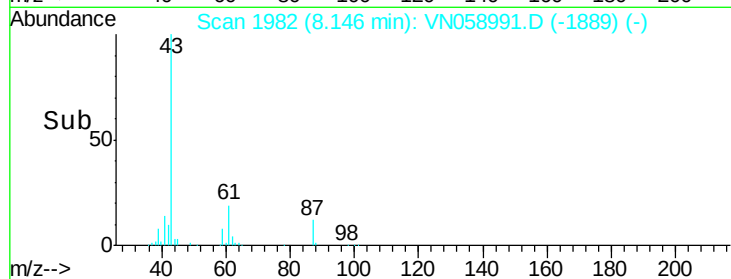
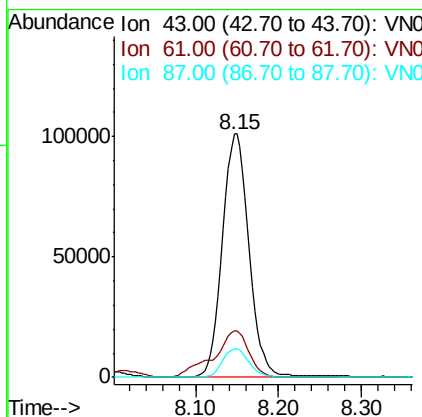
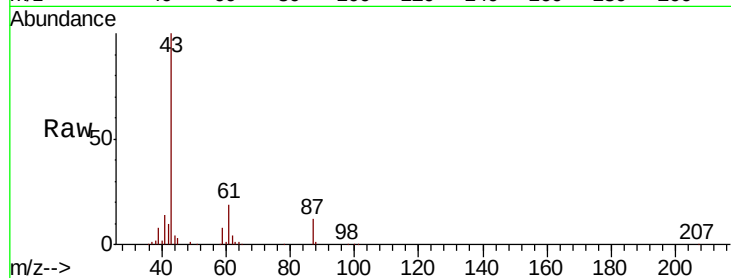
ClientSampleId :

VN1028WBSD01

Tot Ion:	43	Resp:	224340
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.2	30.2
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.009 ug/l

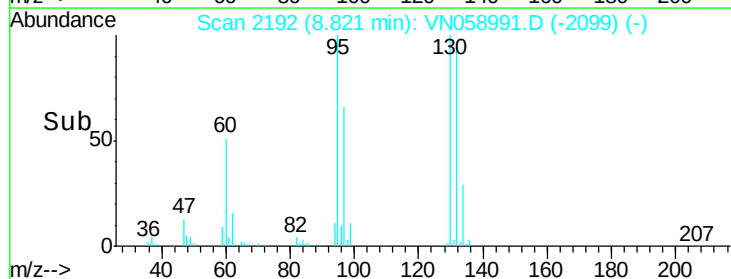
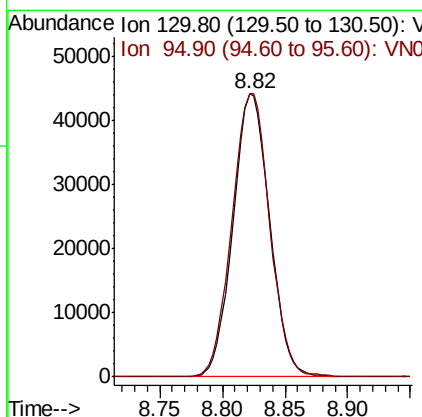
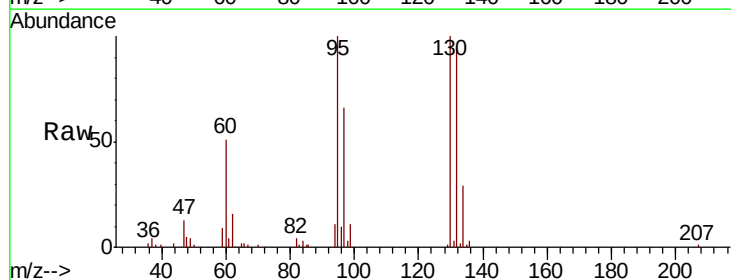
RT: 8.82 min Scan# 2192

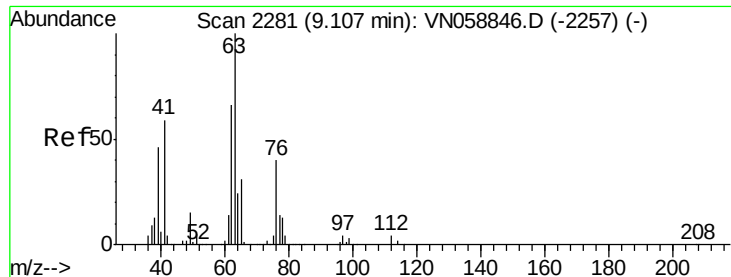
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	130	Resp:	89656
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	209.6





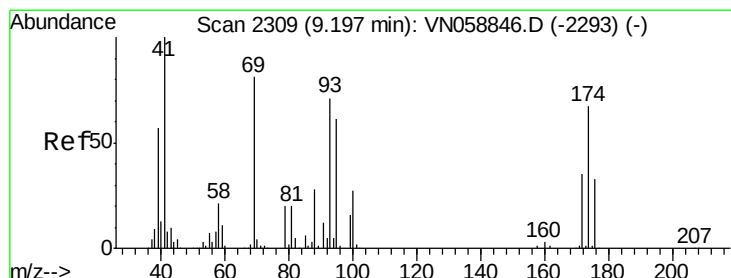
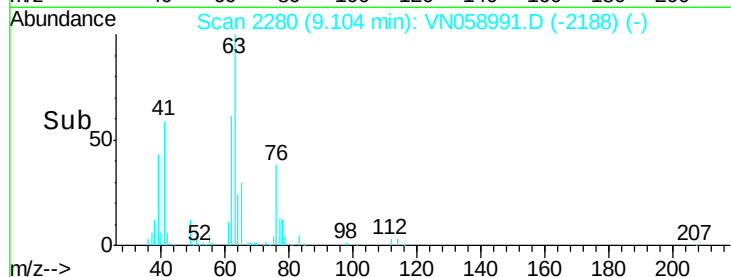
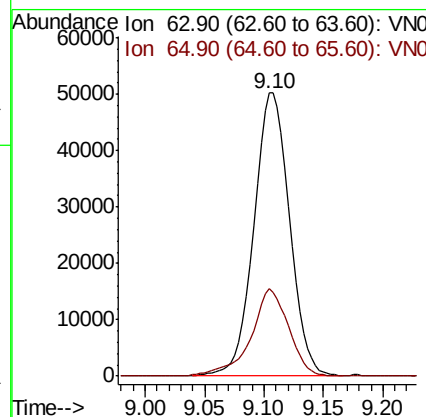
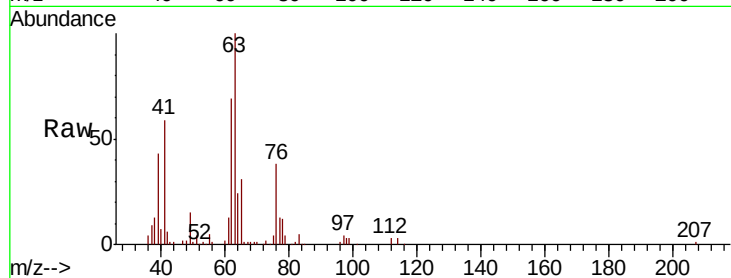
#45
 1,2-Dichloropropane
 Concen: 20.715 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

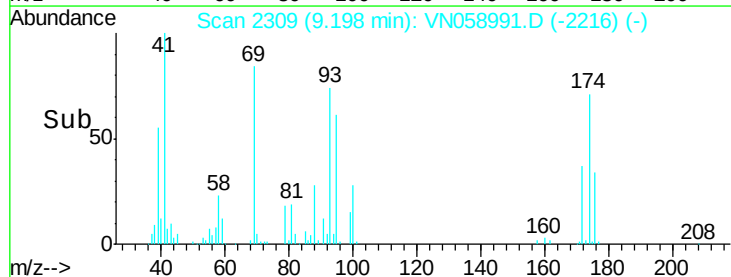
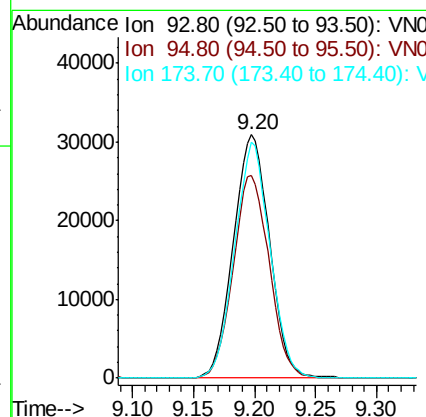
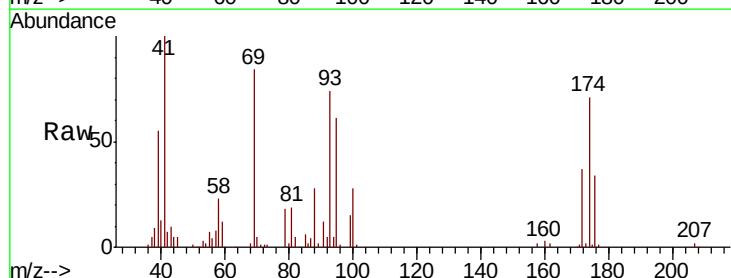
Manual Integrations
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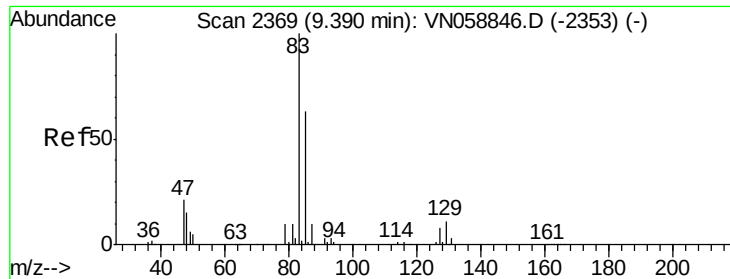
MMDadoda
 10/30/2019 3:53:08 PM



#46
 Dibromomethane
 Concen: 20.055 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.6	101.4
174	93.8	74.1	111.1





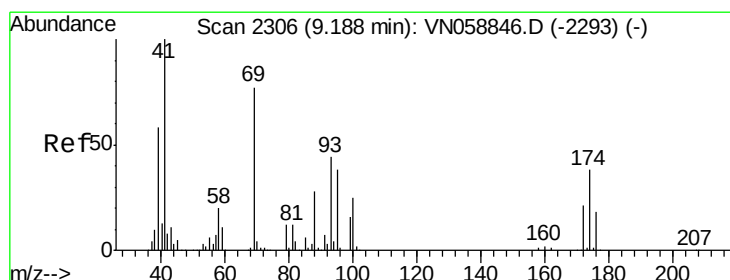
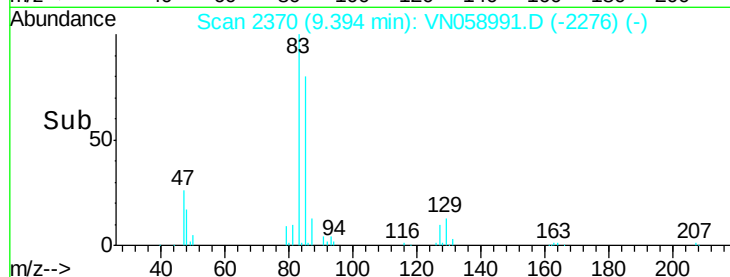
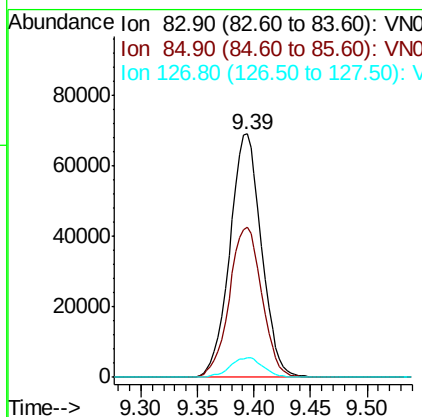
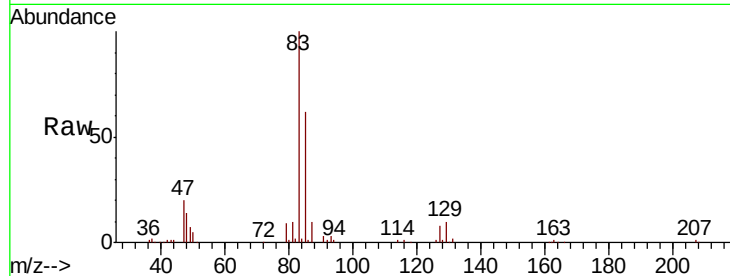
#47
Bromodichloromethane
Concen: 20.452 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	83	Resp	134407
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	50.6	75.8
127	8.0	6.5	9.7

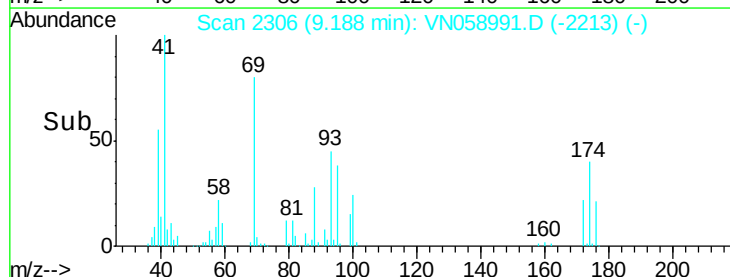
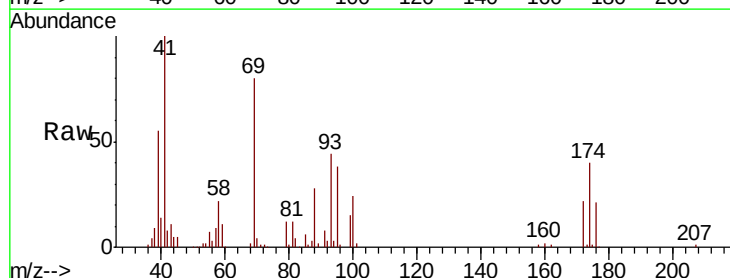
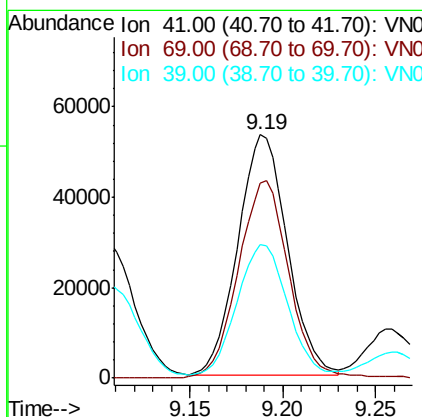
Manual Integrations
APPROVED

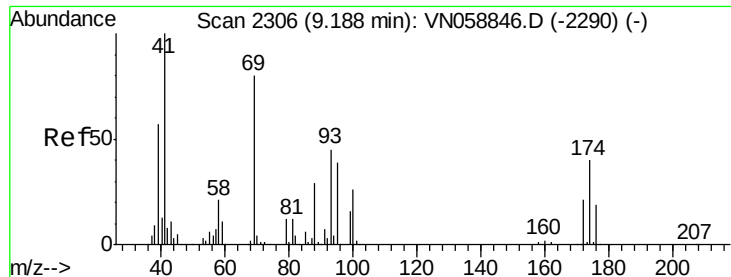
MMDadoda
10/30/2019 3:53:08 PM



#48
Methyl methacrylate
Concen: 19.866 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	41	Resp	98660
Ion Ratio	100	Lower	Upper
41	100		
69	84.2	63.8	95.6
39	56.9	47.8	71.8





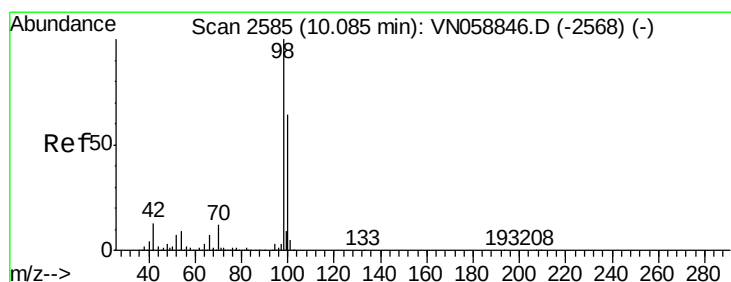
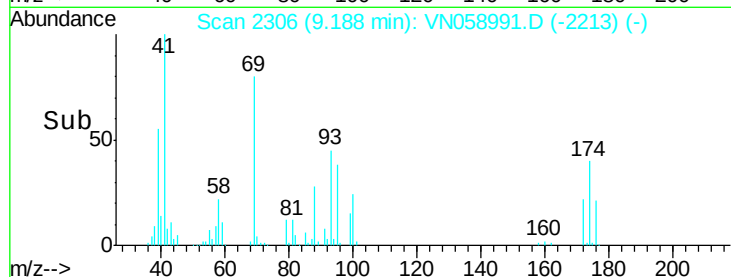
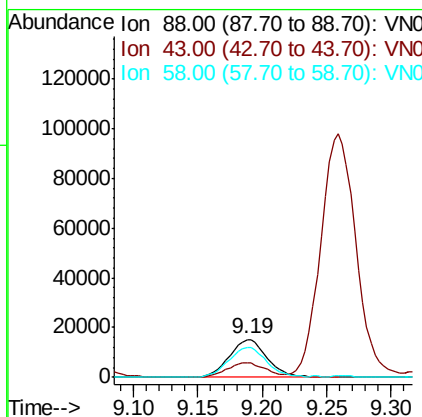
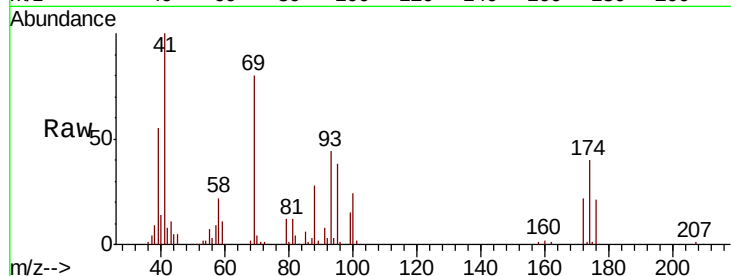
#49
1,4-Dioxane
Concen: 379.108 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.1	29.1	43.7
58	79.7	59.4	89.0

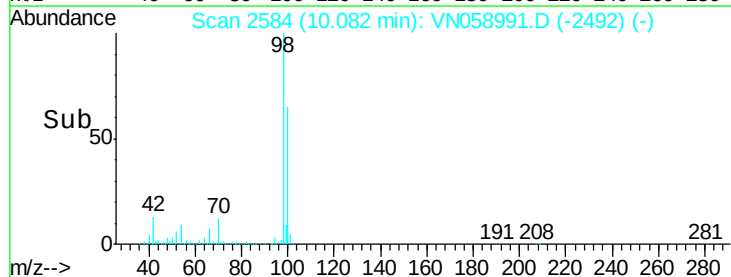
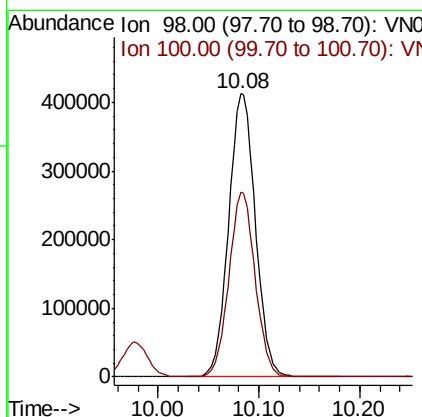
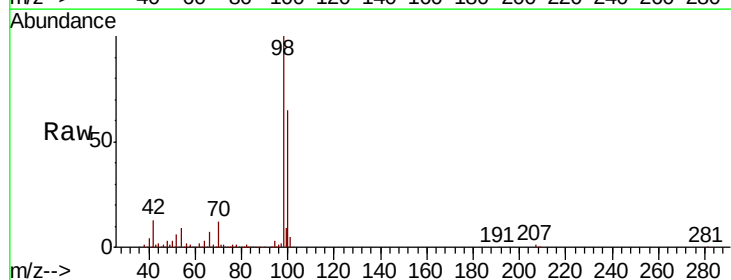
Manual Integrations
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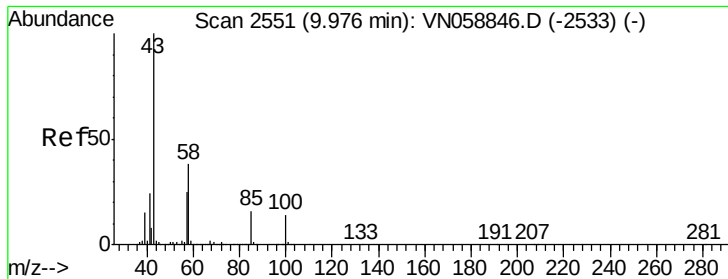
MMDadoda
10/30/2019 3:53:08 PM



#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 110.424 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 43 Resp: 706010

Ion Ratio Lower Upper

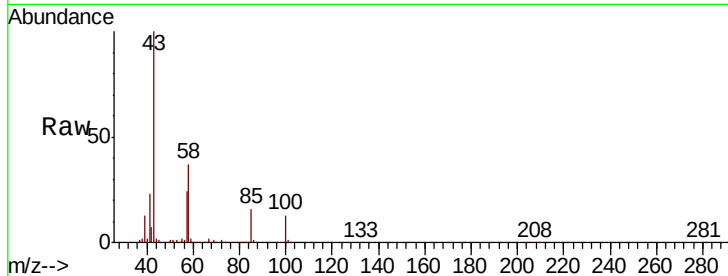
43 100

58 37.4 29.9 44.9

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

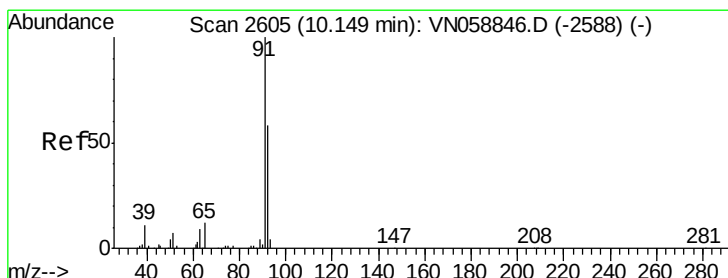
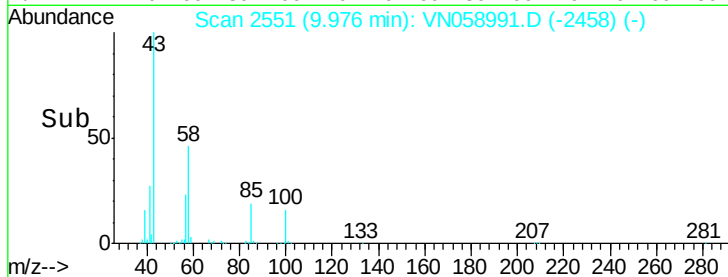
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.459 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058991.D

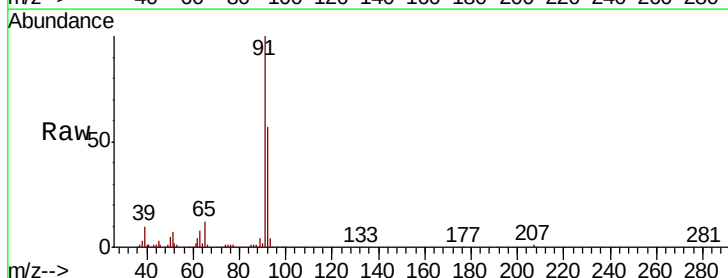
Acq: 28 Oct 2019 12:44

Tgt Ion: 92 Resp: 223161

Ion Ratio Lower Upper

92 100

91 176.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

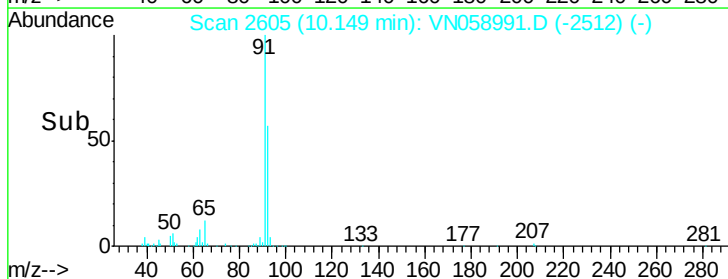
150000

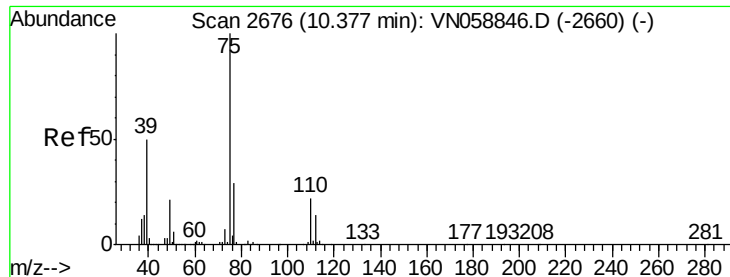
100000

50000

0

Time-->





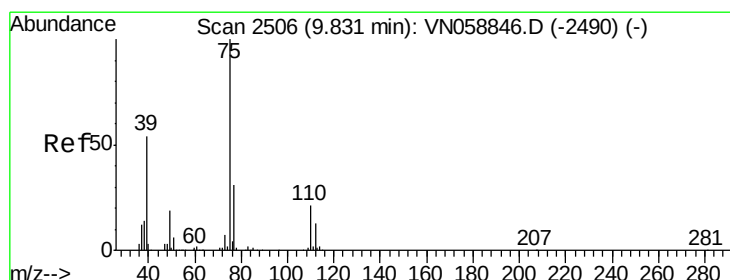
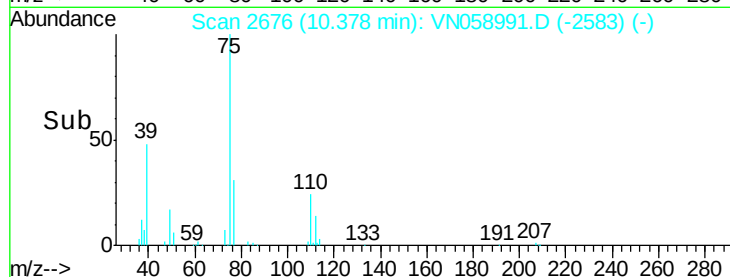
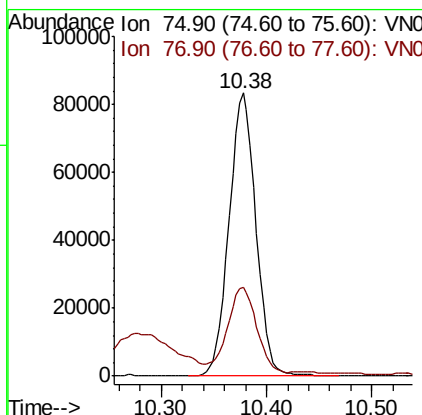
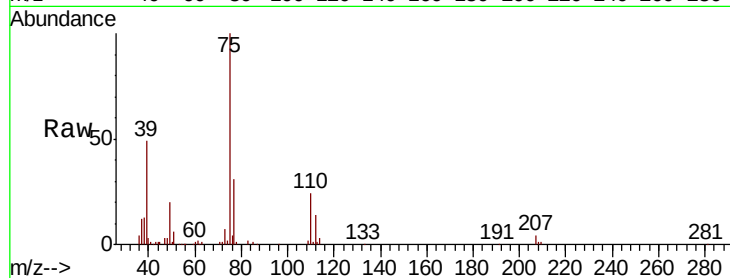
#53
t-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 75 Resp: 144962
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5

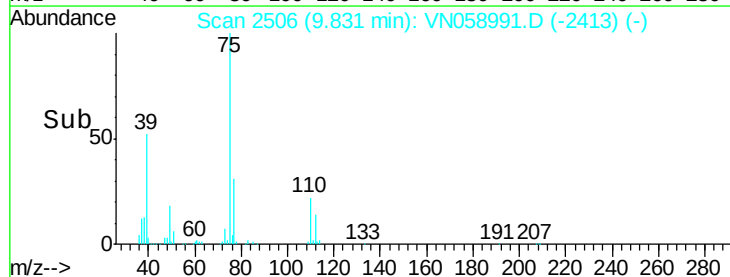
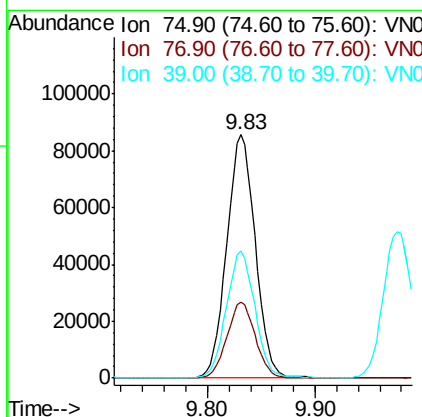
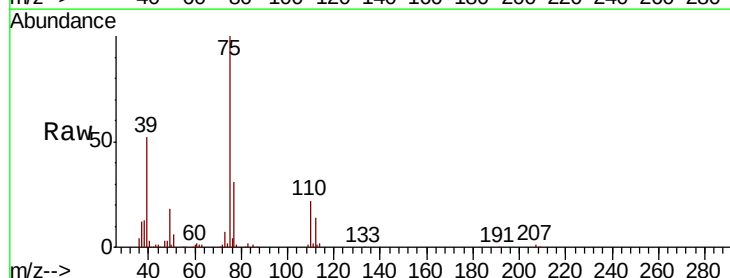
Manual Integrations
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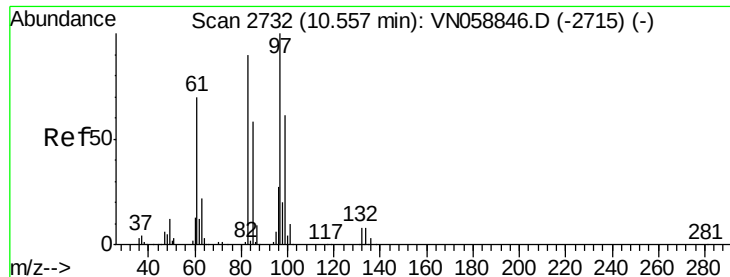
MMDadoda
10/30/2019 3:53:08 PM



#54
cis-1,3-Dichloropropene
Concen: 20.368 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 75 Resp: 158310
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1
39 51.8 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 20.574 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

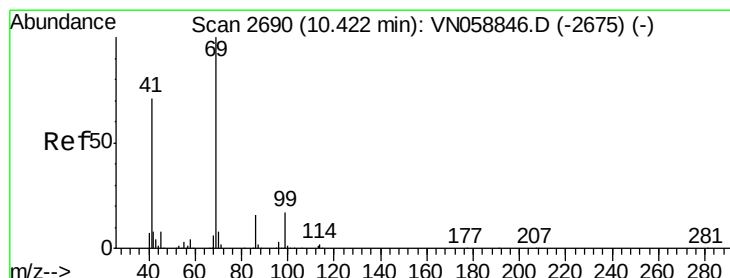
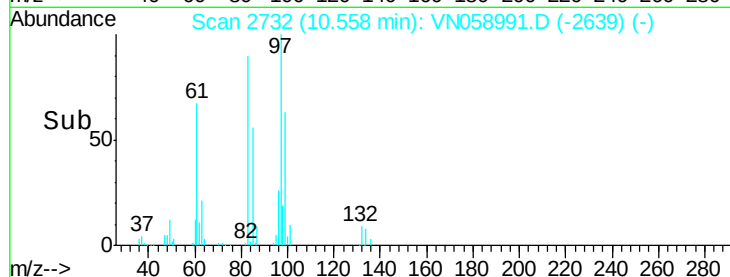
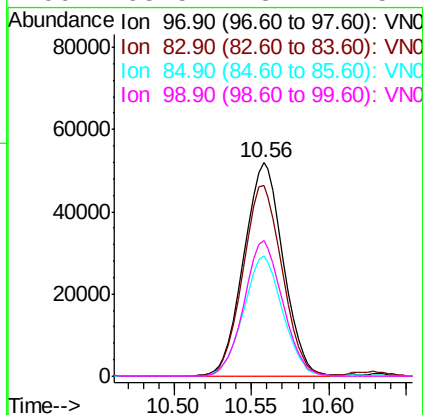
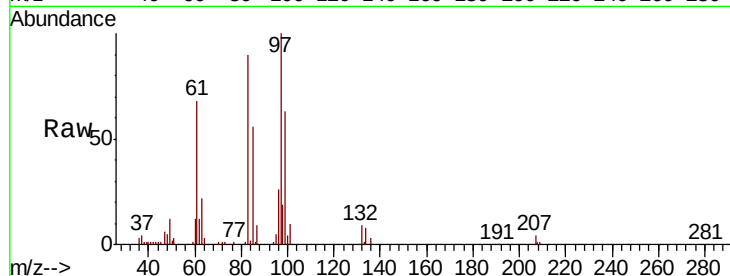
ClientSampleId :

VN1028WBSD01

Tot Ion:	97	Resp:	92450
Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.2	108.4
85	56.3	46.2	69.2
99	63.5	48.7	73.1

Manual Integrations
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10/30/2019 3:53:08 PM



#56

Ethyl methacrylate

Concen: 19.493 ug/l

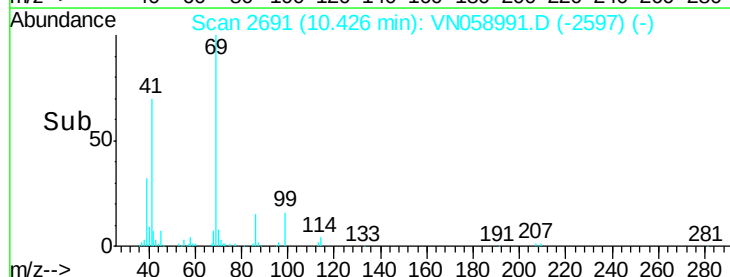
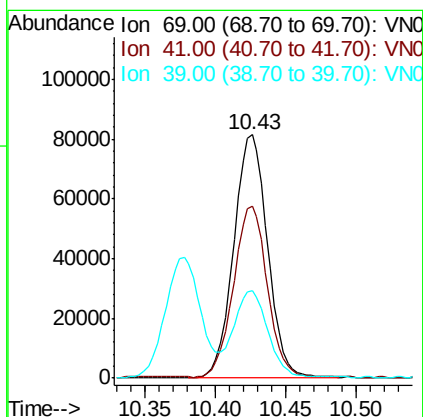
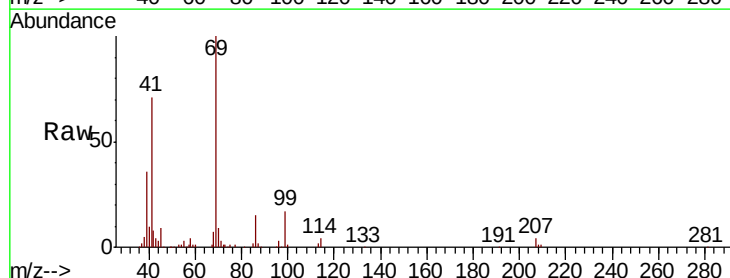
RT: 10.43 min Scan# 2691

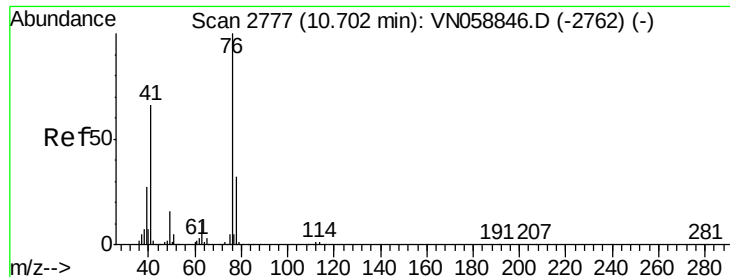
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	69	Resp:	137053
Ion	Ratio	Lower	Upper
69	100		
41	69.8	57.2	85.8
39	35.8	31.0	46.4





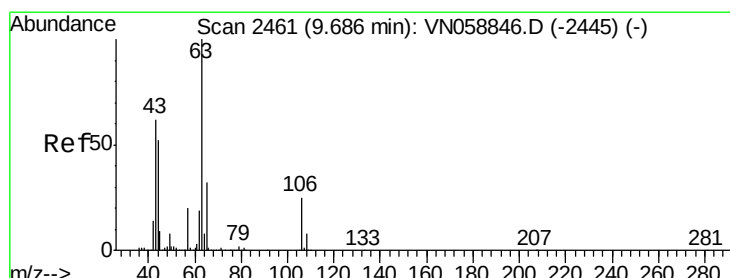
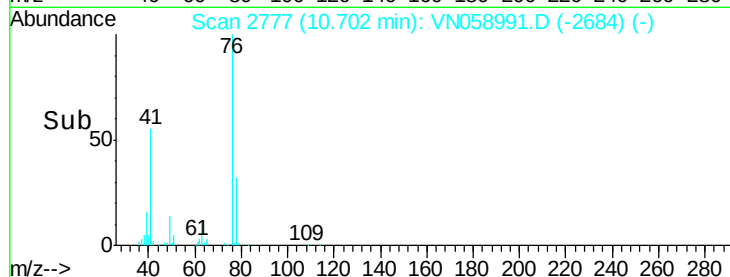
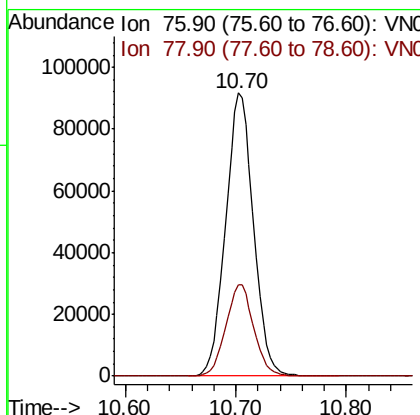
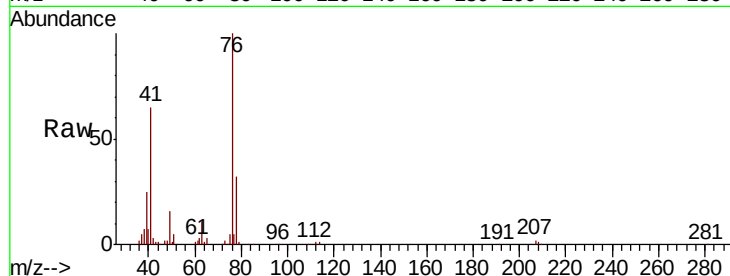
#57
 1,3-Dichloropropane
 Concen: 20.310 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.0

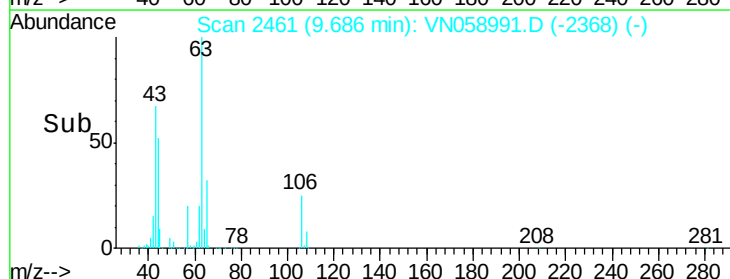
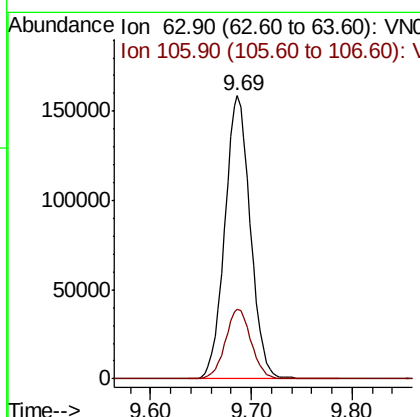
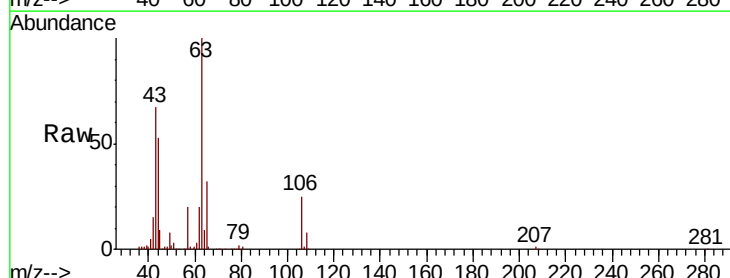
Manual Integrations
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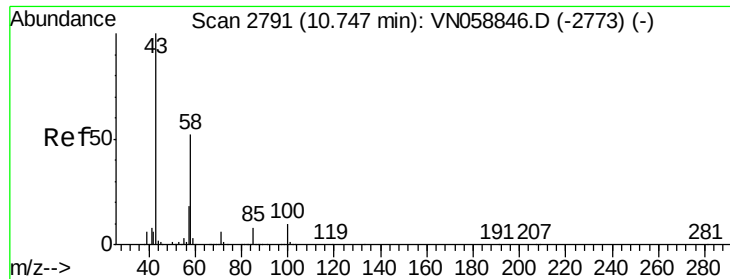
MMDadoda
 10/30/2019 3:53:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.661 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.8	29.8





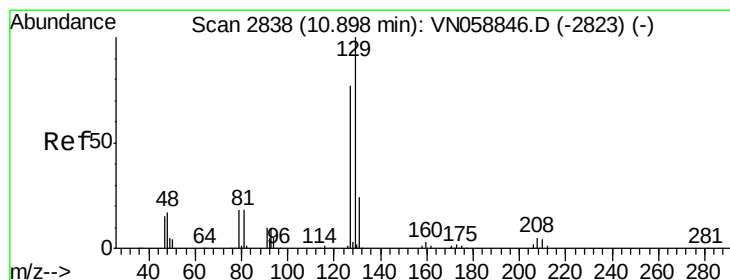
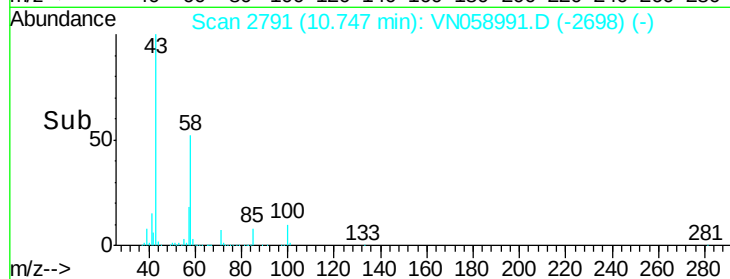
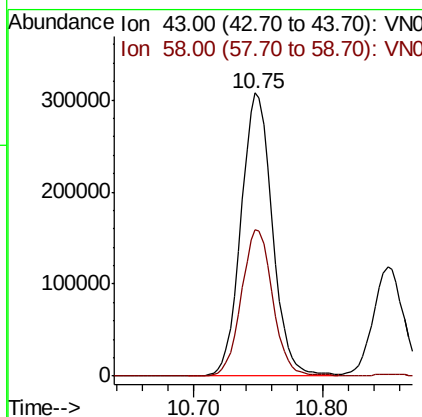
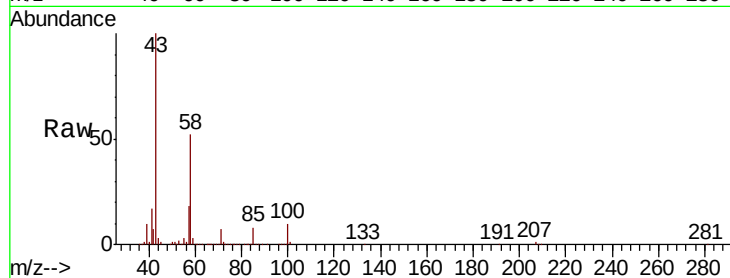
#59
2-Hexanone
Concen: 104.811 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion: 43 Resp: 517823
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

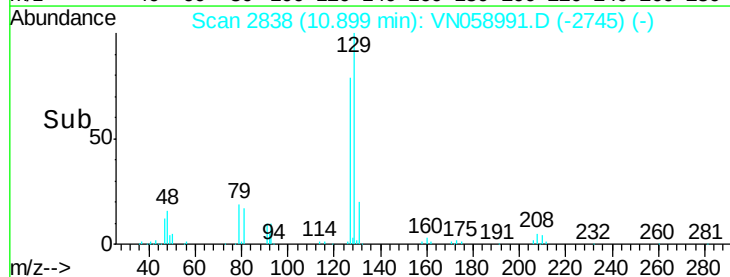
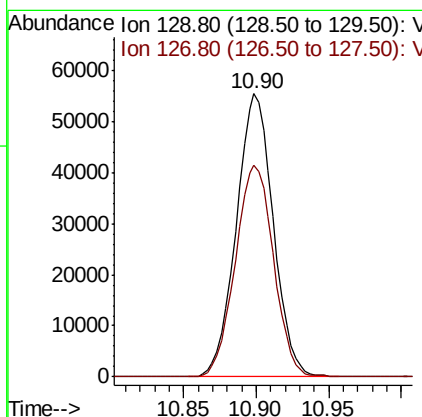
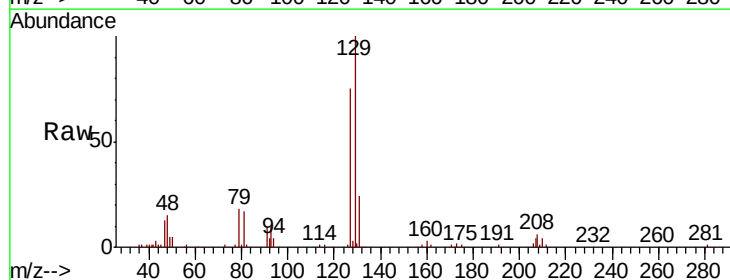
Manual Integrations
APPROVED

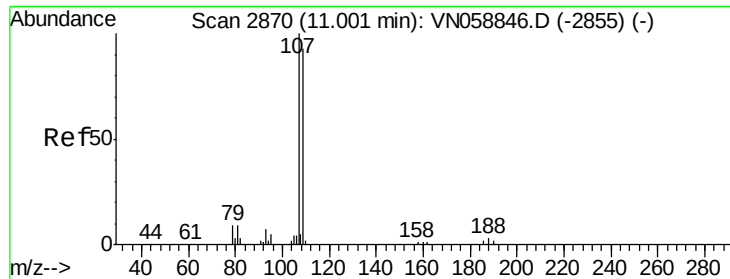
MMDadoda
10/30/2019 3:53:08 PM



#60
Dibromochloromethane
Concen: 20.261 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion: 129 Resp: 97994
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





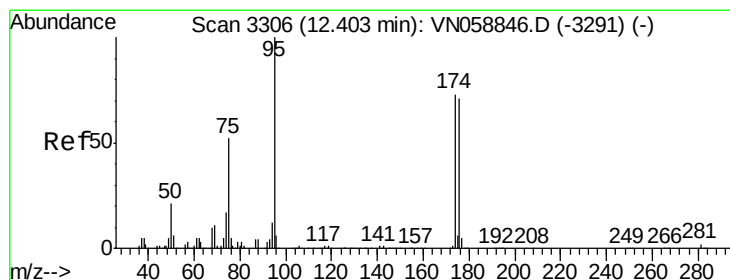
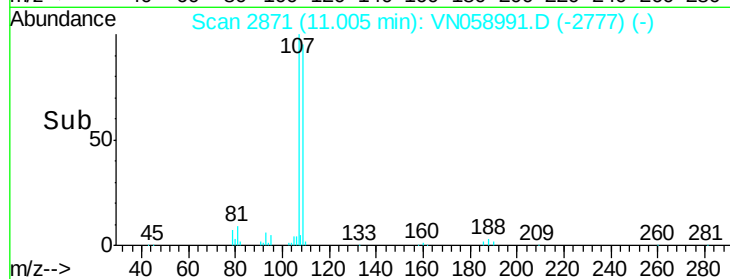
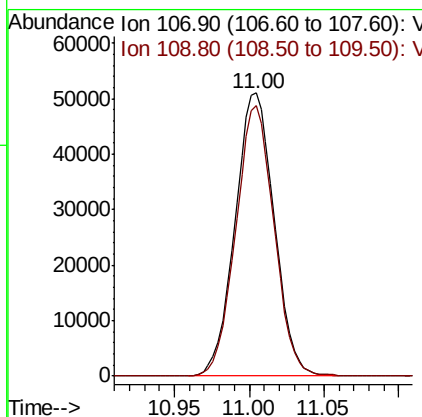
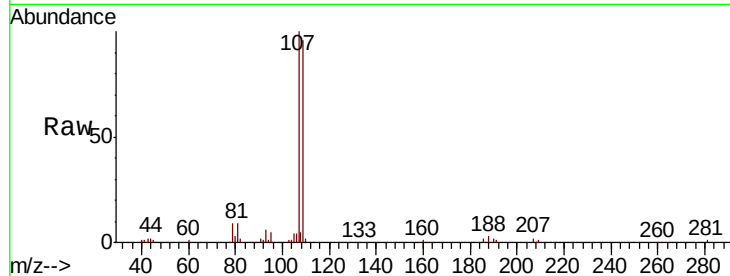
#61
 1,2-Dibromoethane
 Concen: 20.207 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion: 107 Resp: 92925
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8

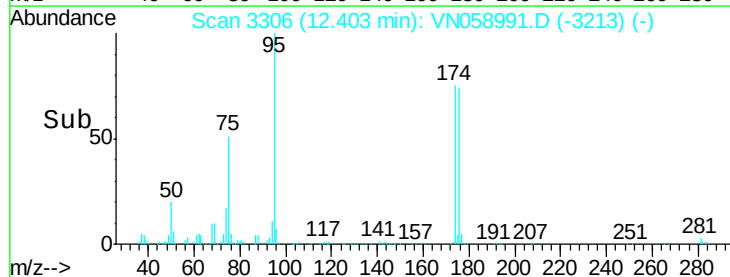
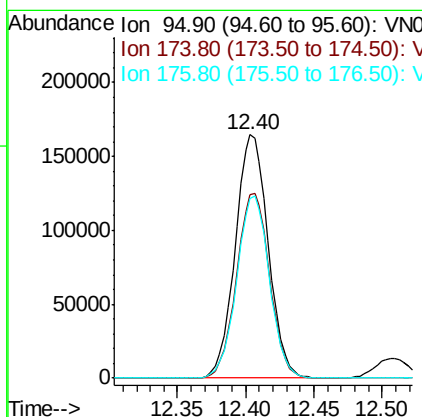
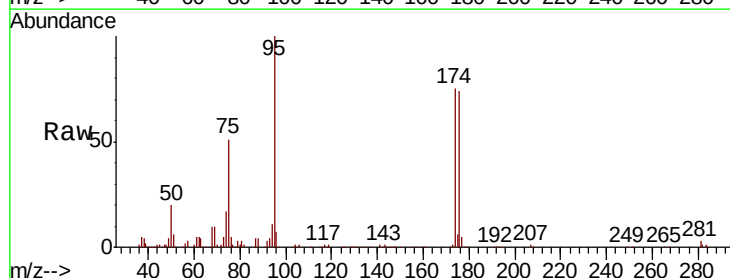
Manual Integrations
 APPROVED

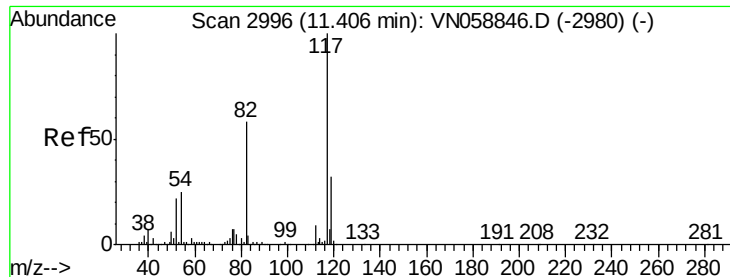
MMDadoda
 10/30/2019 3:53:08 PM



#62
 4-Bromofluorobenzene
 Concen: 48.015 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion: 95 Resp: 275334
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 147.6
 176 74.4 0.0 143.2





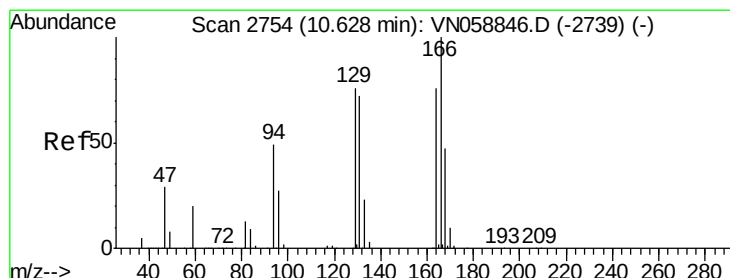
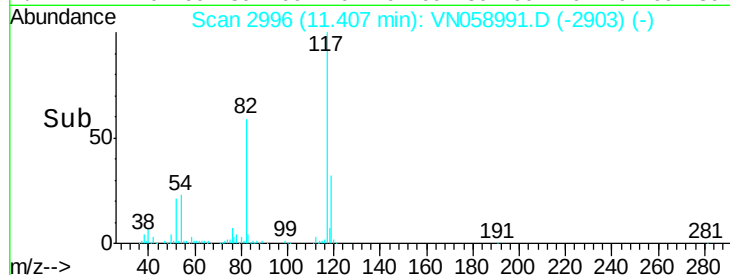
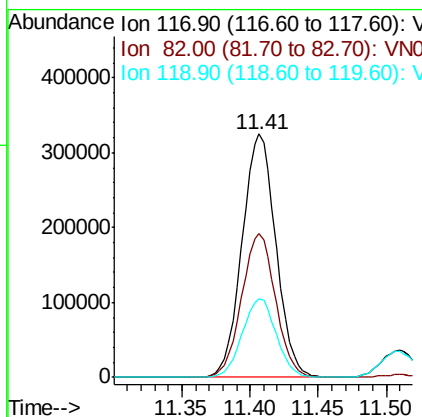
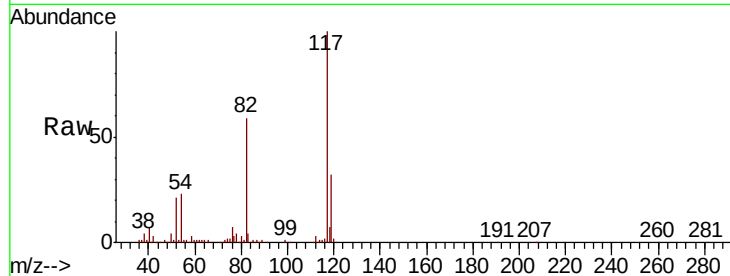
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	69.8
119	32.5	25.6	38.4

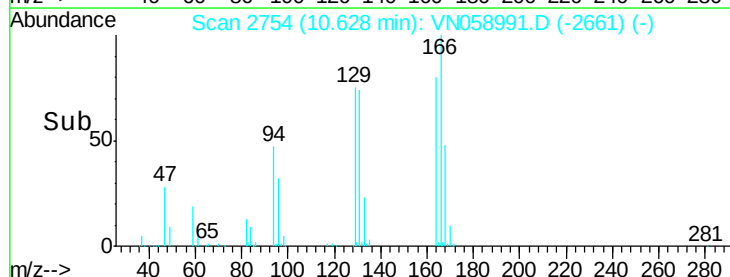
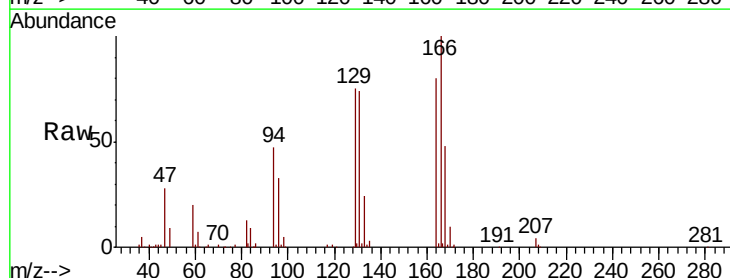
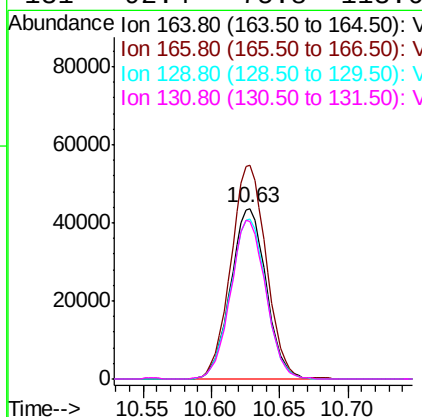
Manual Integrations
APPROVED

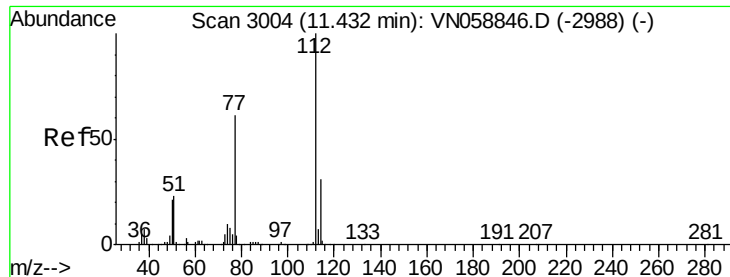
MMDadoda
10/30/2019 3:53:08 PM



#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	104.8	157.2
129	93.7	79.3	118.9
131	92.4	75.8	113.6





#65

Chlorobenzene

Concen: 20.814 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion:112 Resp: 236650

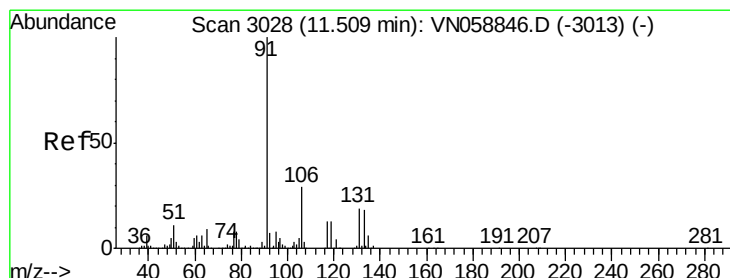
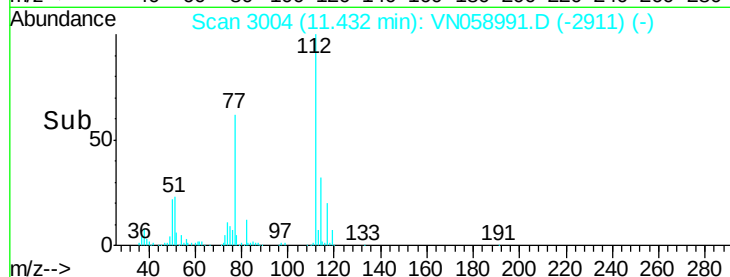
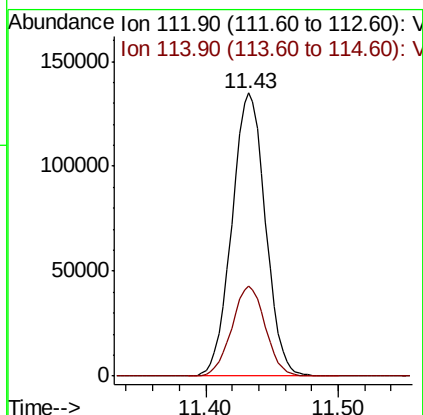
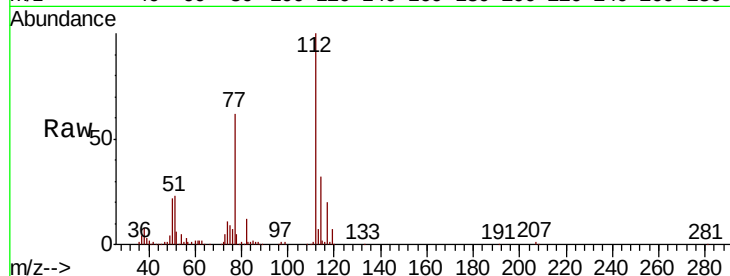
Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.693 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

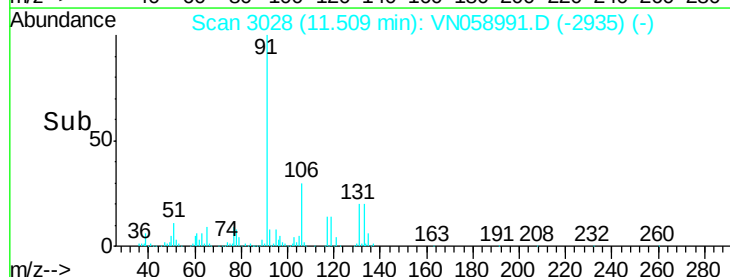
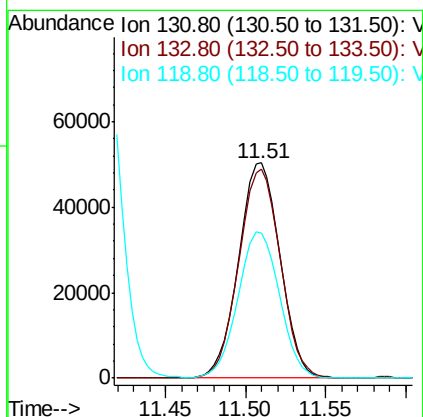
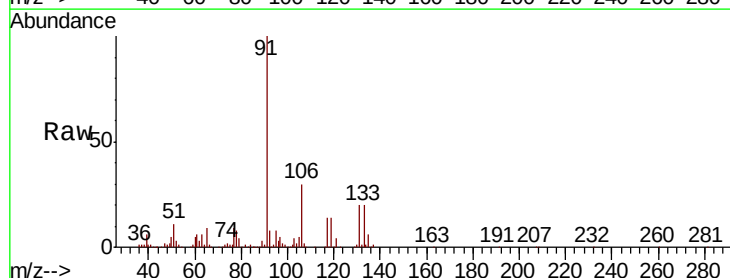
Tgt Ion:131 Resp: 88784

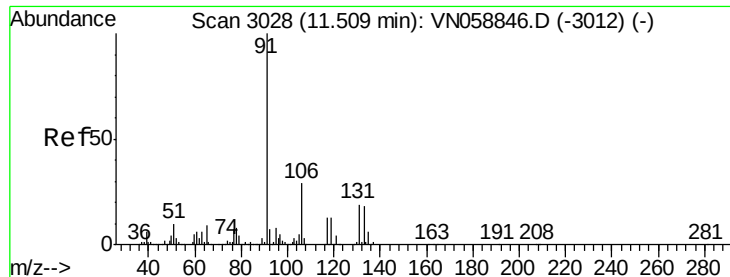
Ion Ratio Lower Upper

131 100

133 98.0 48.4 145.2

119 68.3 33.6 100.8





#67

Ethyl Benzene

Concen: 21.300 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 91 Resp: 424839

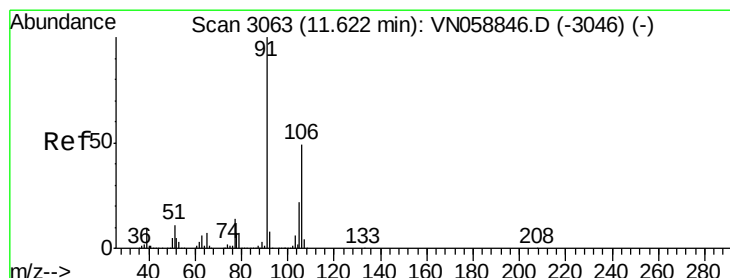
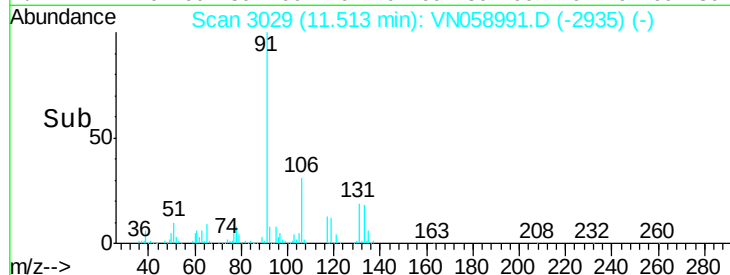
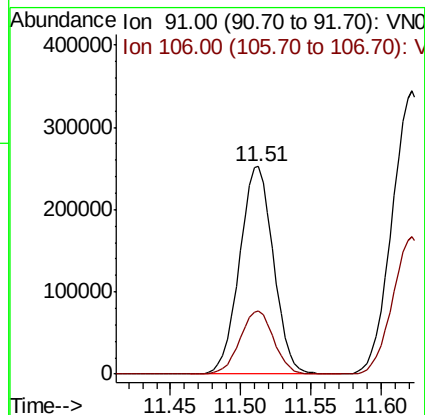
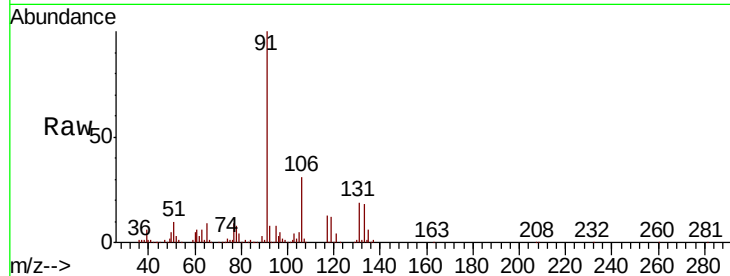
Ion Ratio Lower Upper

91 100

106 30.6 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.489 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058991.D

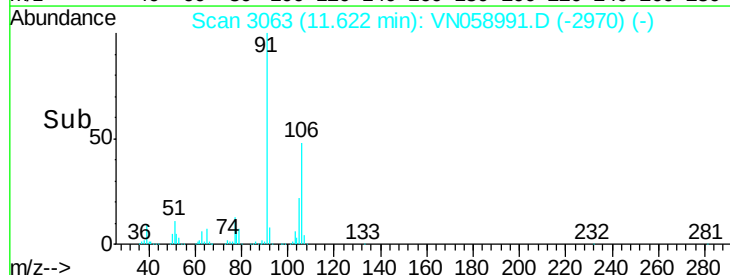
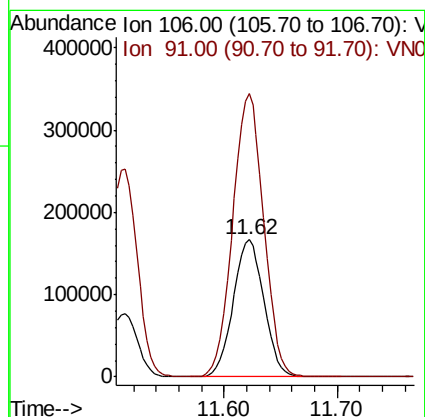
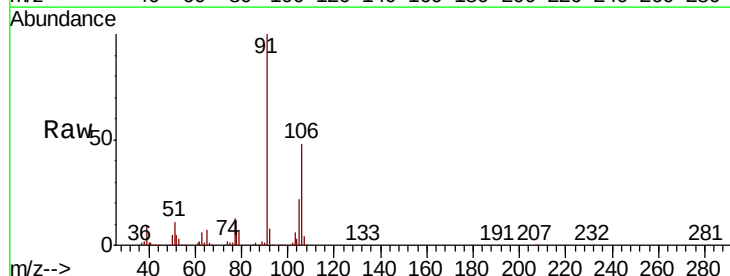
Acq: 28 Oct 2019 12:44

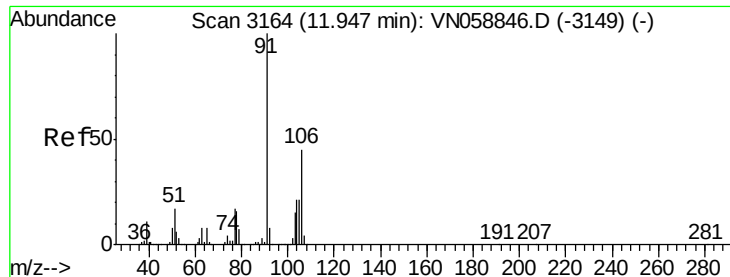
Tgt Ion: 106 Resp: 314279

Ion Ratio Lower Upper

106 100

91 207.6 166.6 249.8





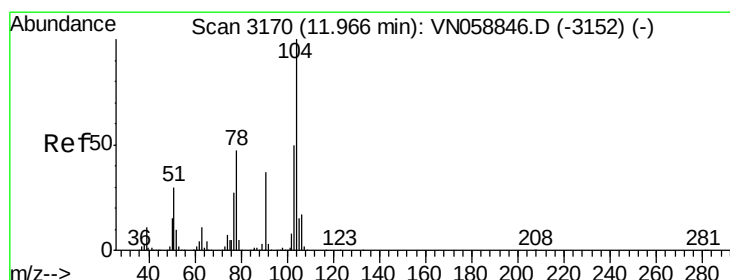
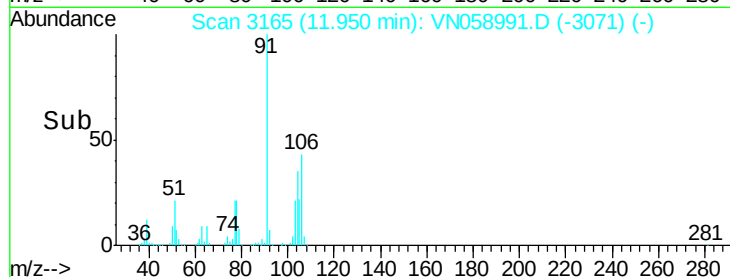
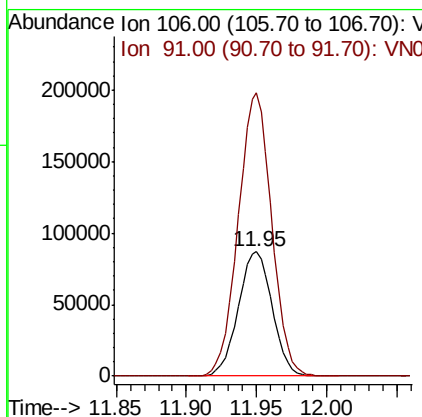
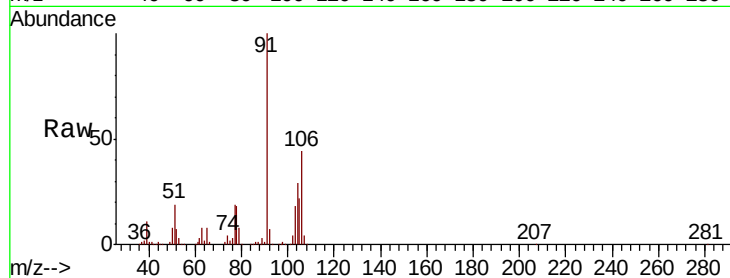
#69
o-Xylene
Concen: 20.774 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion:106 Resp: 146549
Ion Ratio Lower Upper
106 100
91 223.9 111.5 334.4

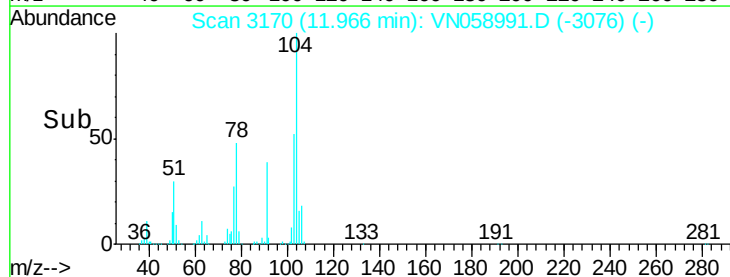
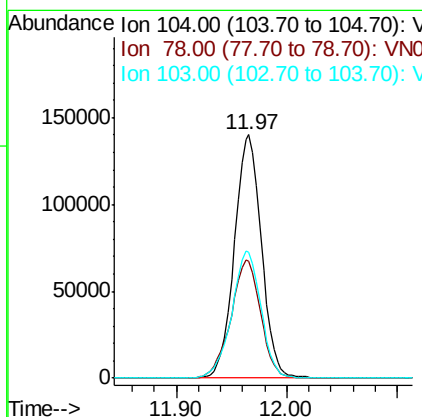
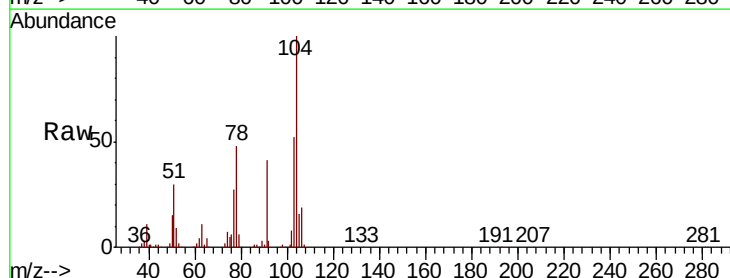
Manual Integrations
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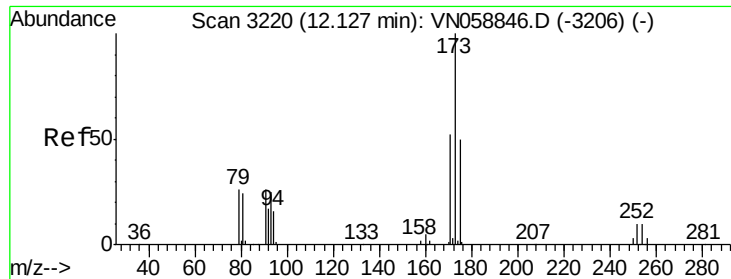
MMDadoda
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#70
Styrene
Concen: 19.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion:104 Resp: 238584
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 56.0 44.3 66.5





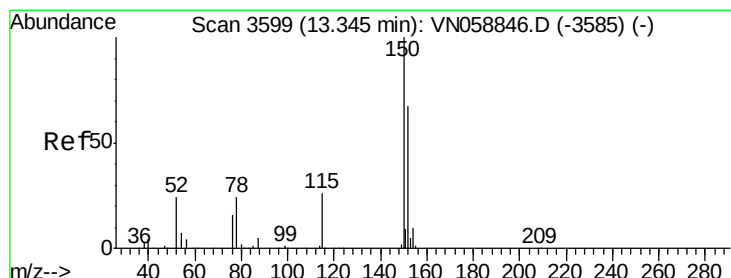
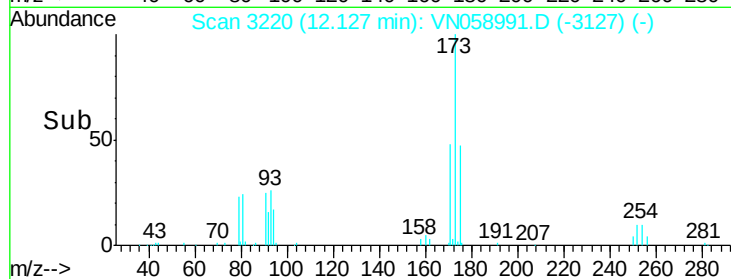
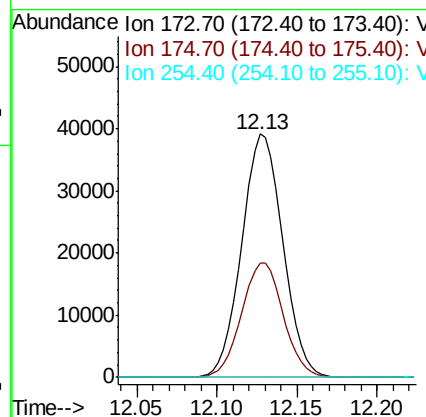
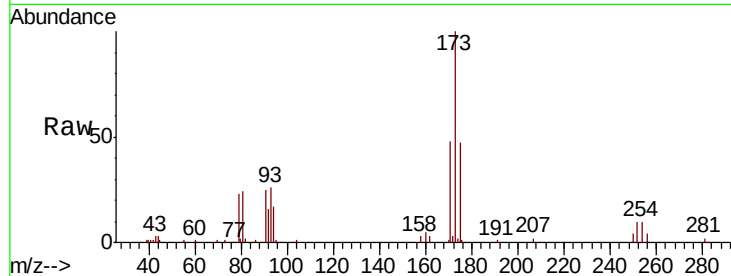
#71
Bromoform
Concen: 20.639 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.7	74.1
254	0.0	0.0	0.0

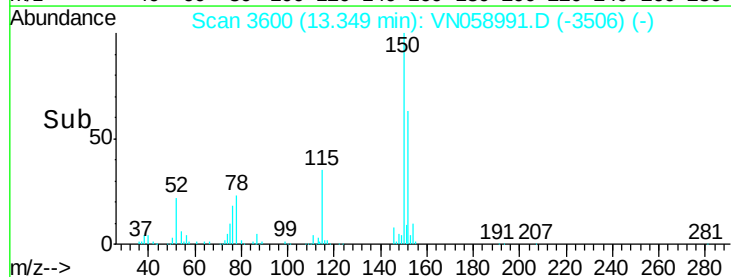
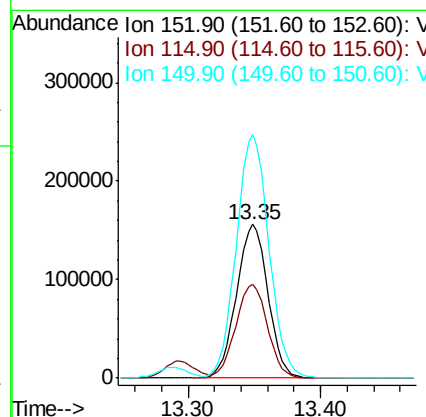
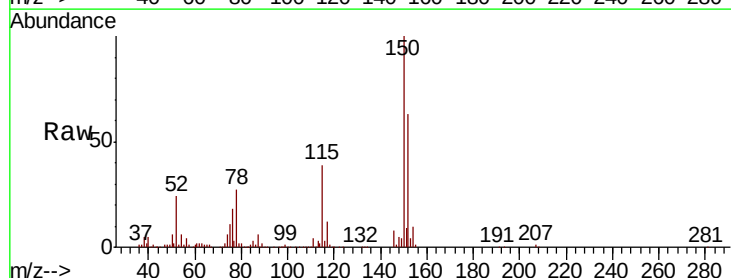
Manual Integrations
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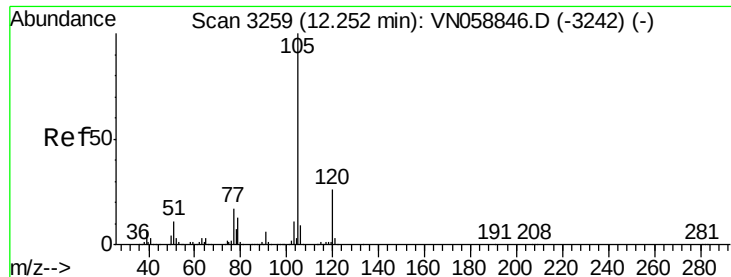
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.5	91.5
150	164.4	0.0	344.4





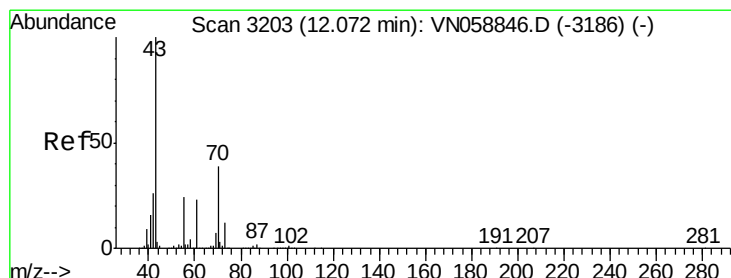
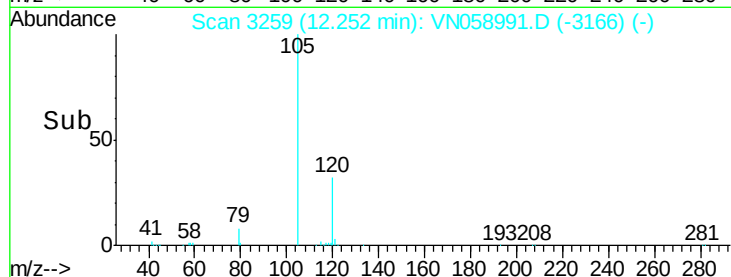
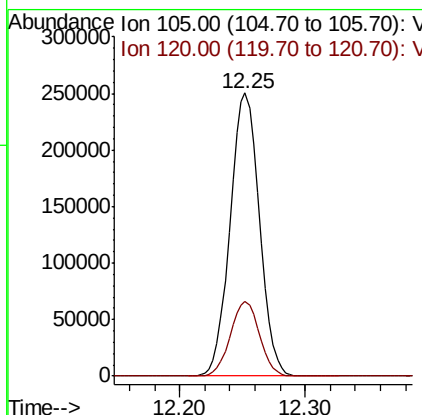
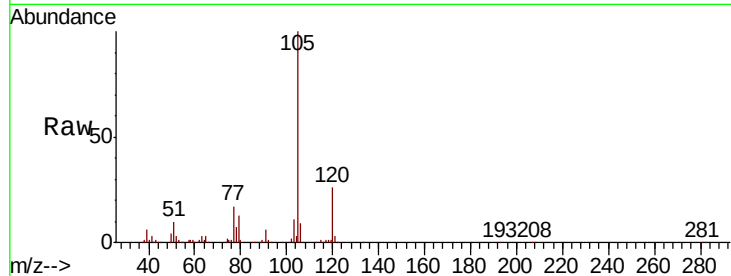
#73
Isopropylbenzene
Concen: 21.623 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

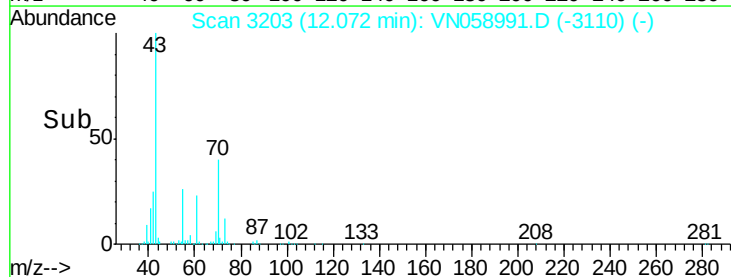
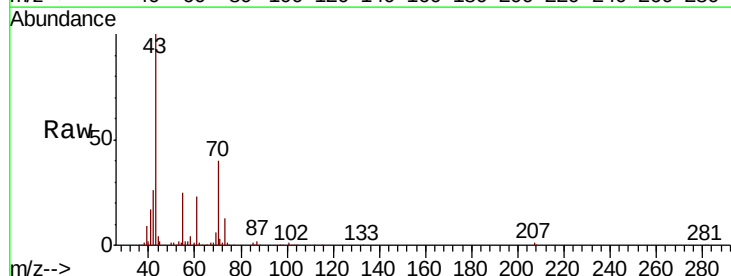
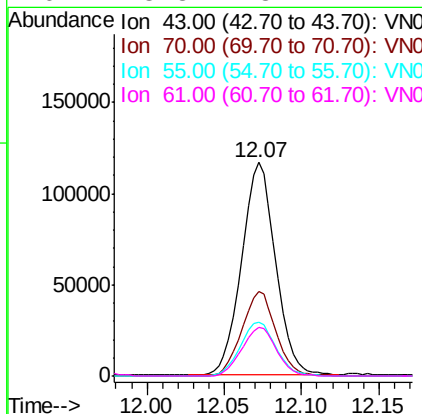
Manual Integrations
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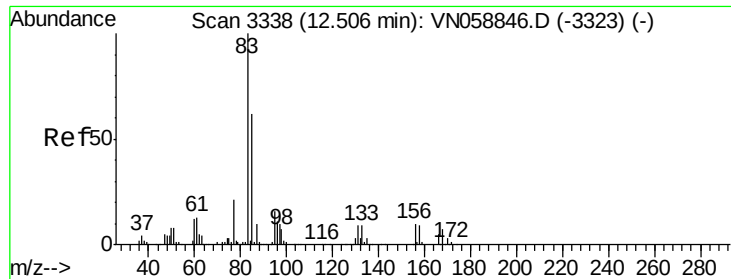
MMDadoda
10/30/2019 3:53:08 PM



#74
N-ethyl acetate
Concen: 20.907 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.0	30.9	46.3
55	26.9	19.7	29.5
61	23.3	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.413 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

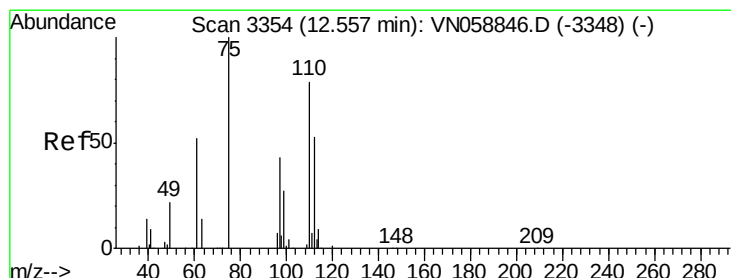
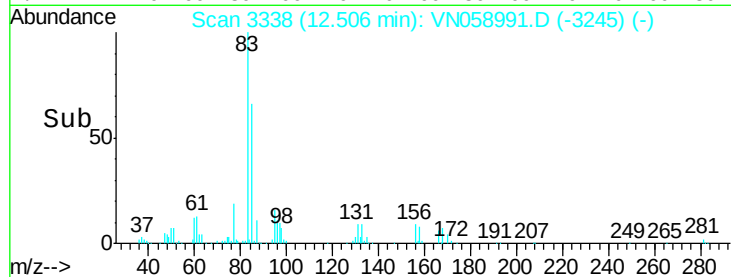
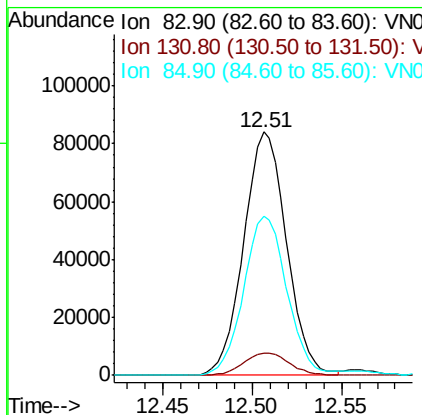
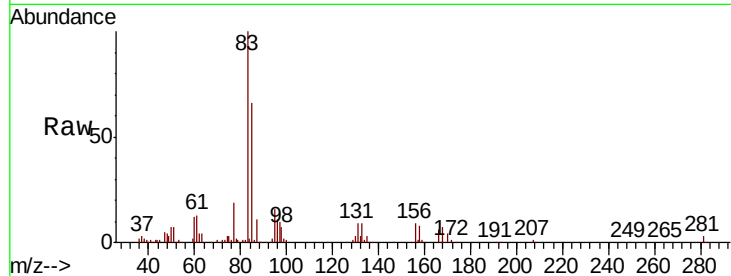
ClientSampleId :

VN1028WBSD01

Tot Ion:	83	Resp:	141336
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	65.5	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.135 ug/l m

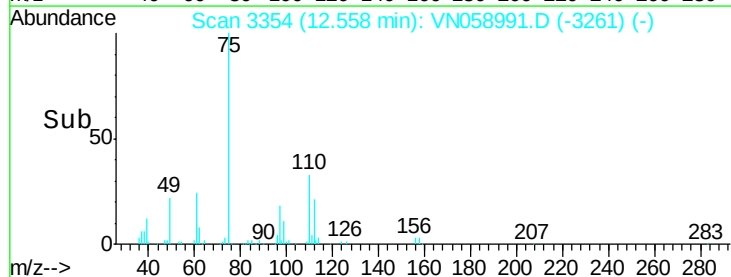
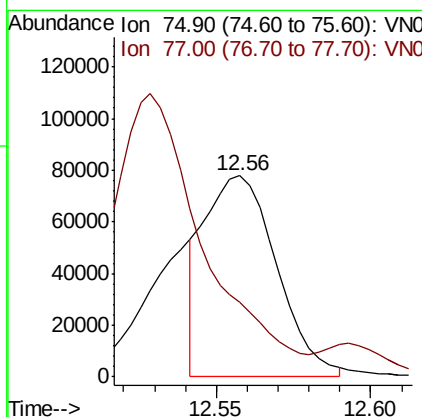
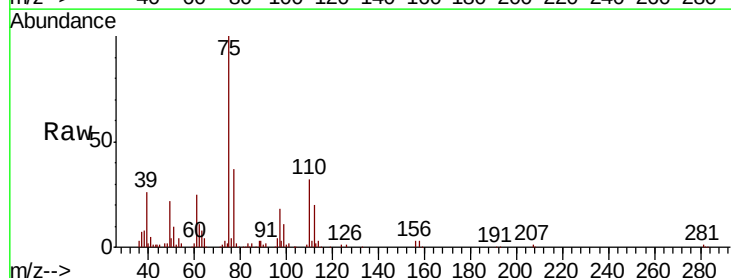
RT: 12.56 min Scan# 3354

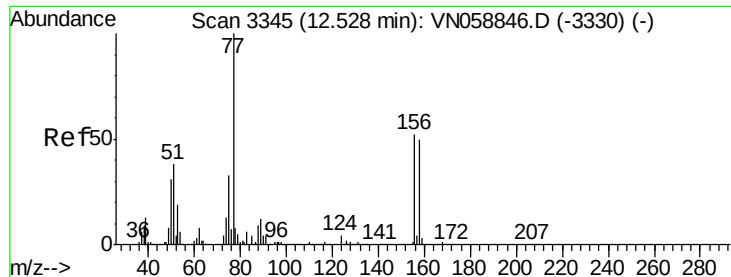
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion:	75	Resp:	125811
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





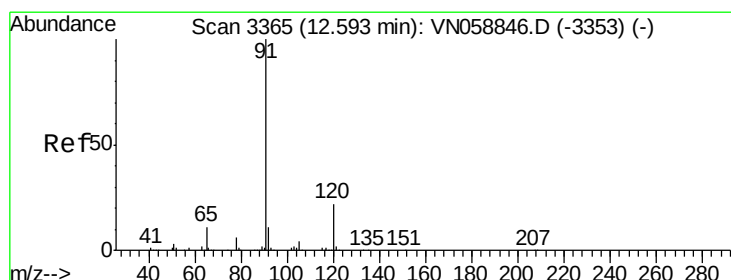
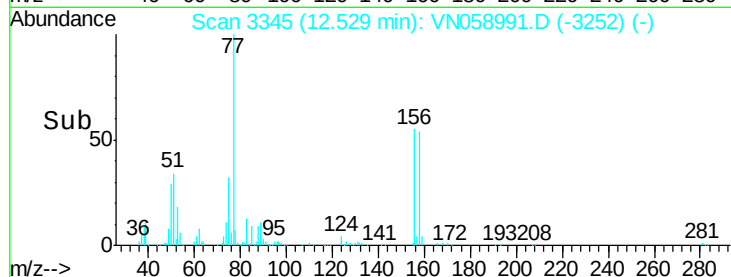
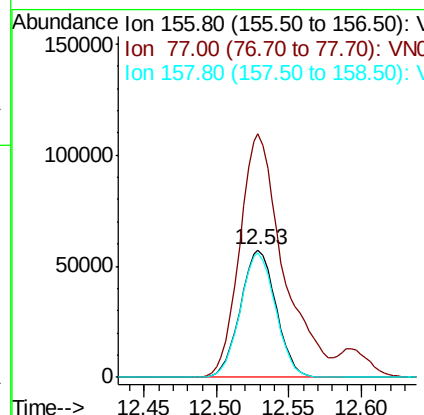
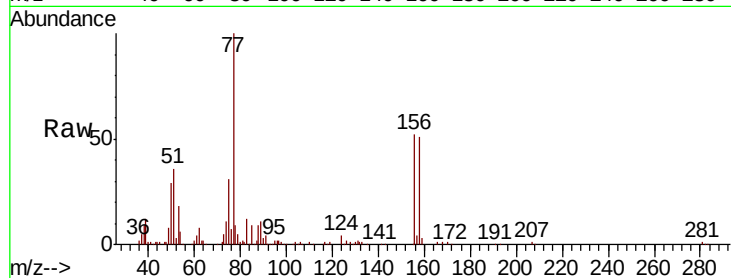
#77
Bromobenzene
Concen: 21.113 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.4	118.0	354.0
158	96.9	48.3	144.8

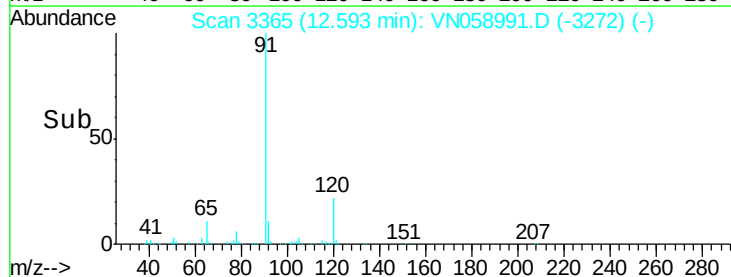
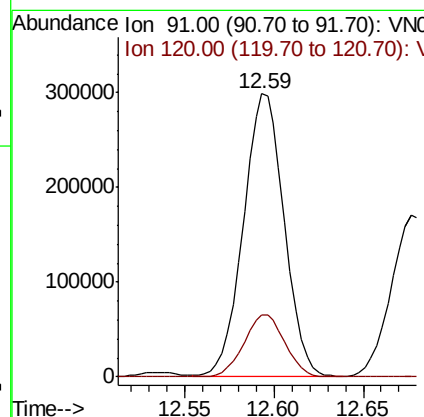
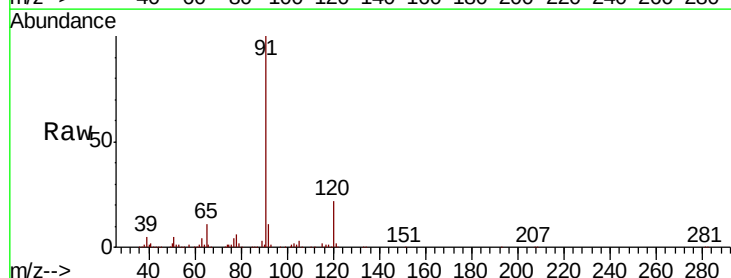
Manual Integrations
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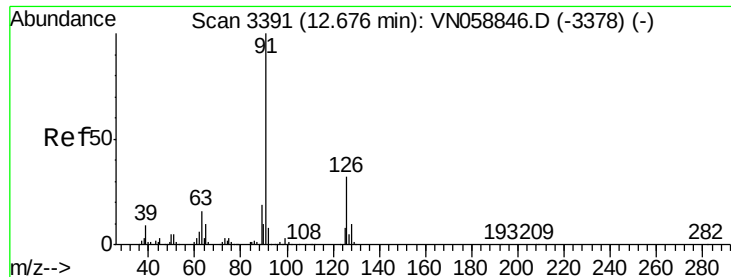
MMDadoda
10/30/2019 3:53:08 PM



#78
n-propylbenzene
Concen: 21.365 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.067 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 91 Resp: 286094

Ion Ratio Lower Upper

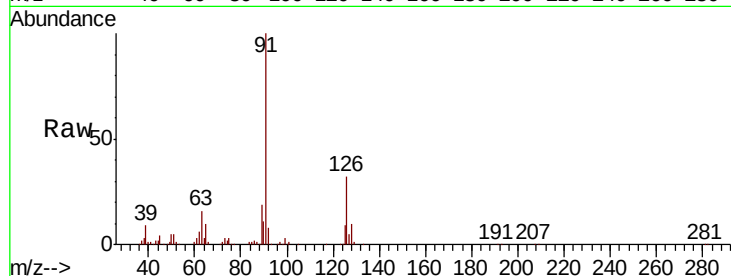
91 100

126 32.5 16.2 48.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

250000

200000

150000

100000

50000

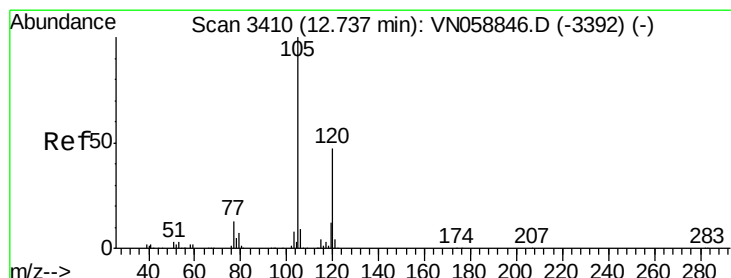
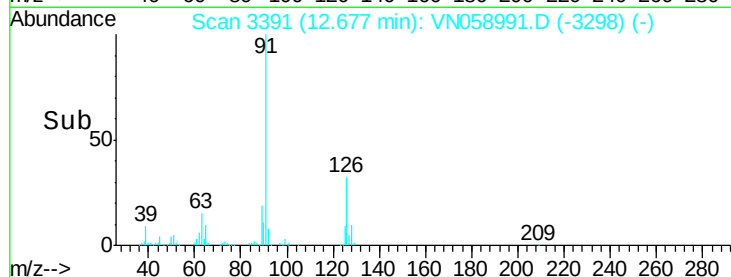
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.602 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058991.D

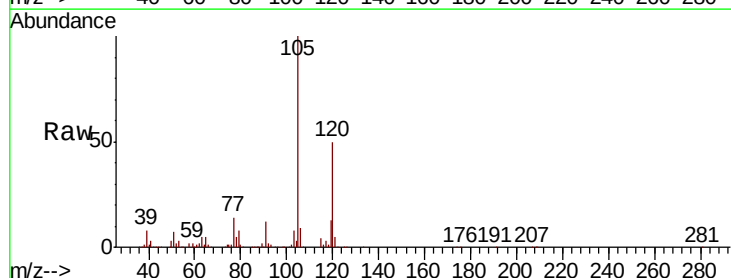
Acq: 28 Oct 2019 12:44

Tgt Ion: 105 Resp: 340694

Ion Ratio Lower Upper

105 100

120 48.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

250000

200000

150000

100000

50000

0

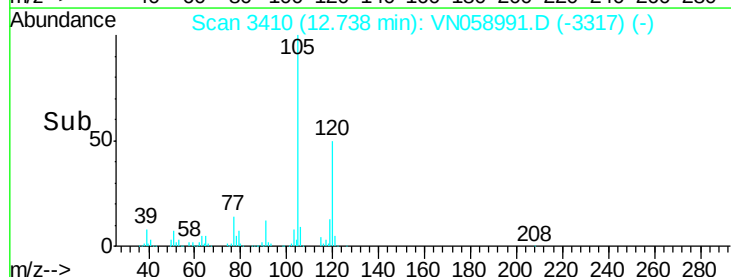
12.65

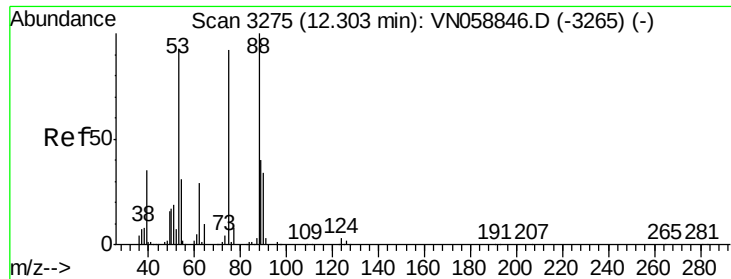
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.109 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBSD01

Tot Ion: 75 Resp: 45950

Ion Ratio Lower Upper

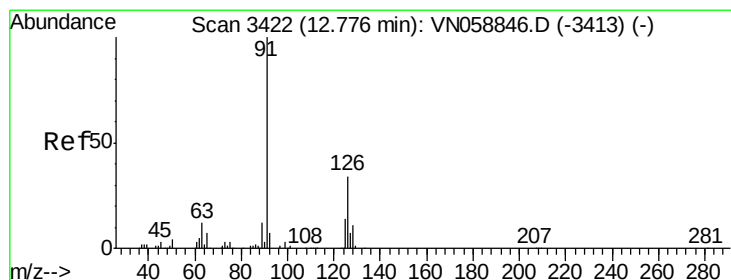
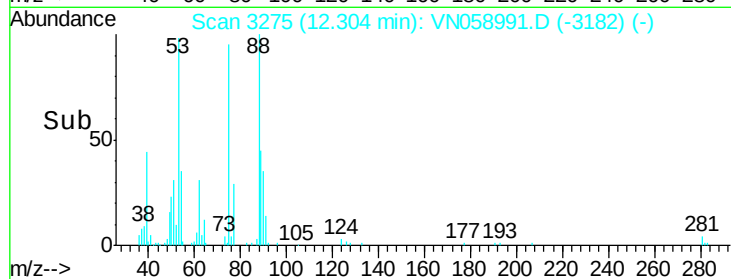
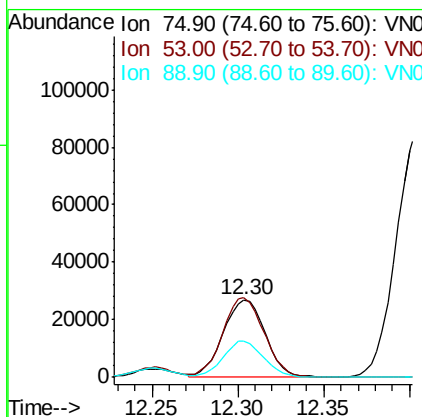
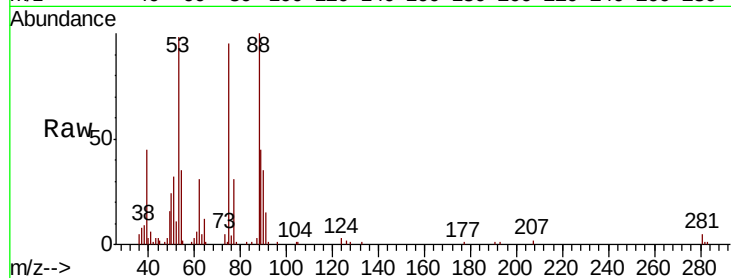
75 100

53 102.1 78.6 118.0

89 45.1 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.047 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058991.D

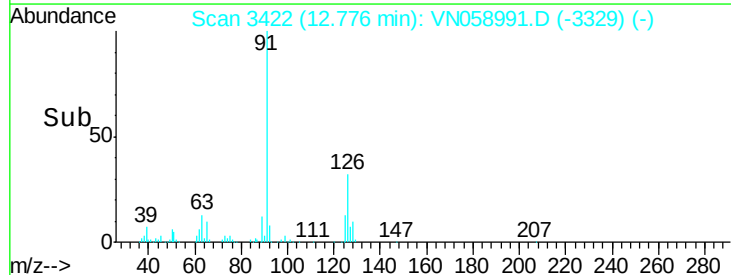
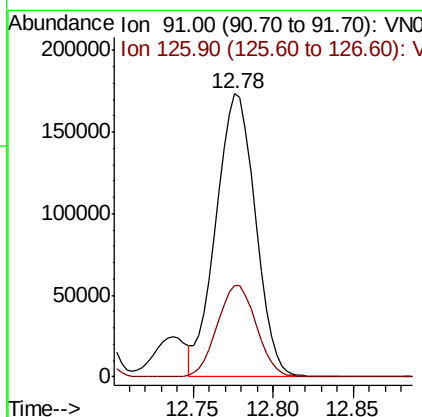
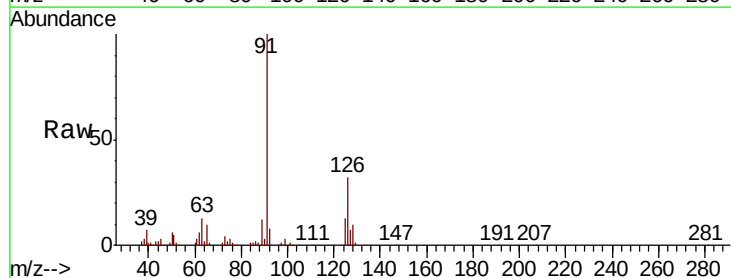
Acq: 28 Oct 2019 12:44

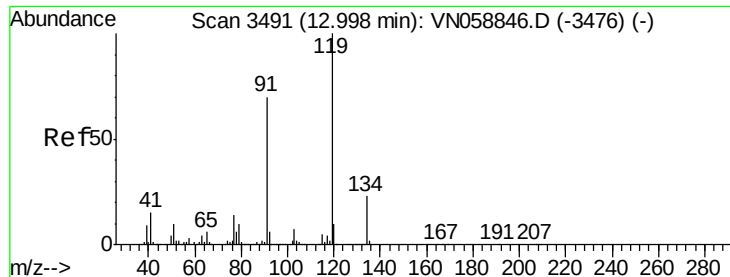
Tgt Ion: 91 Resp: 292086

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9





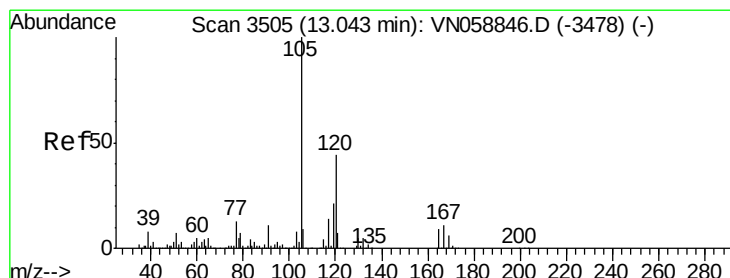
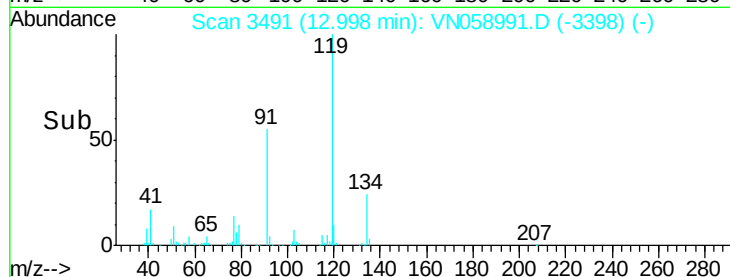
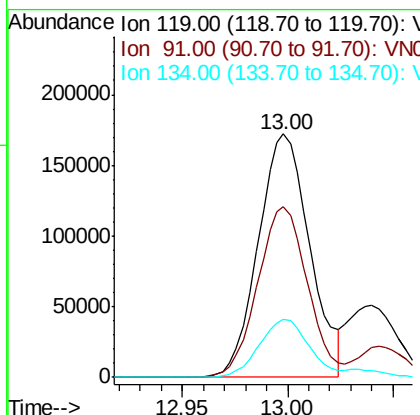
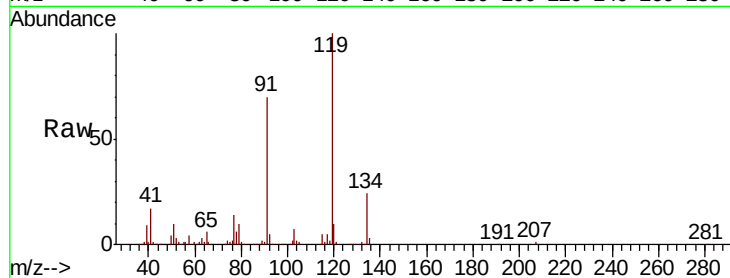
#83
 tert-Butylbenzene
 Concen: 21.667 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	23.3	11.6	34.8

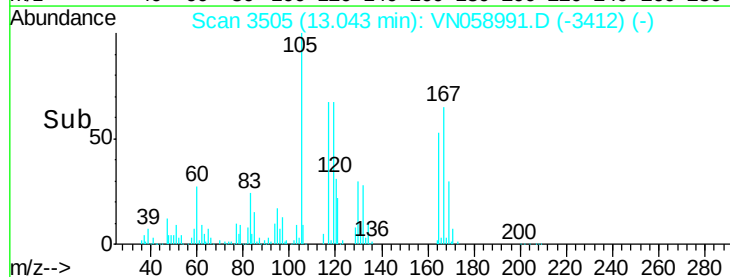
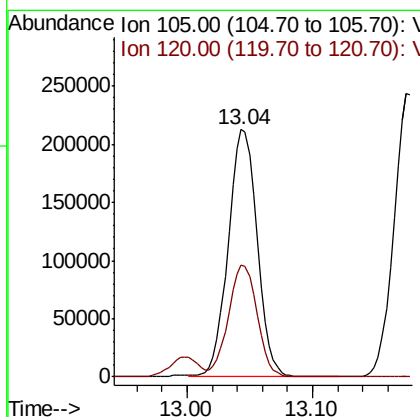
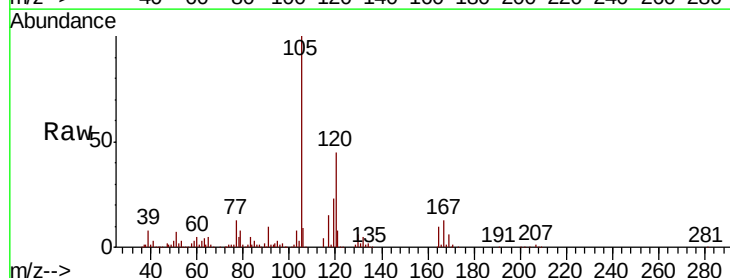
Manual Integrations
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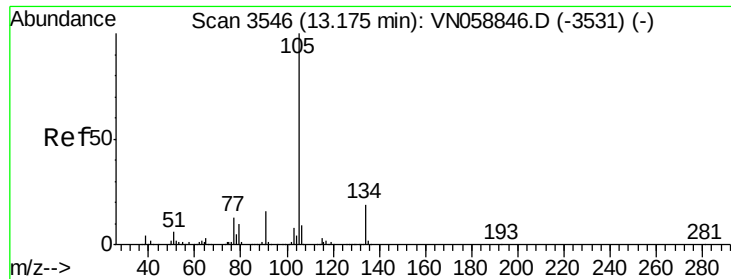
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.830 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.9	65.8





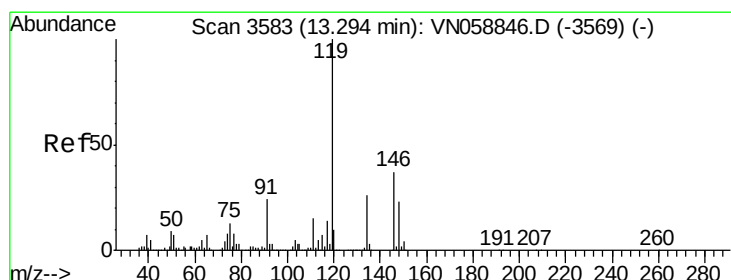
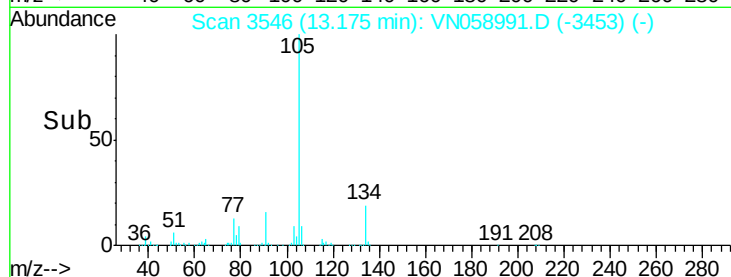
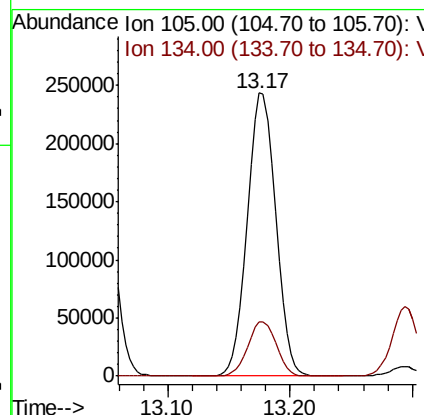
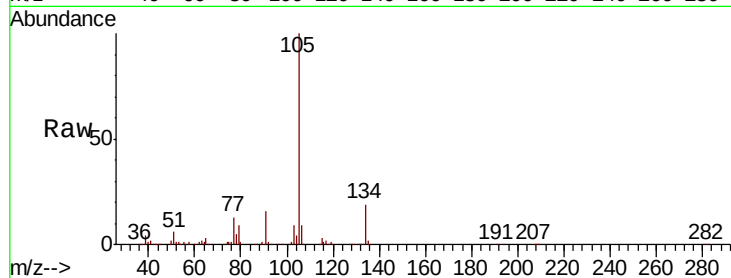
#85
 sec-Butylbenzene
 Concen: 21.673 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	389704		
134	19.3	9.4	28.2	

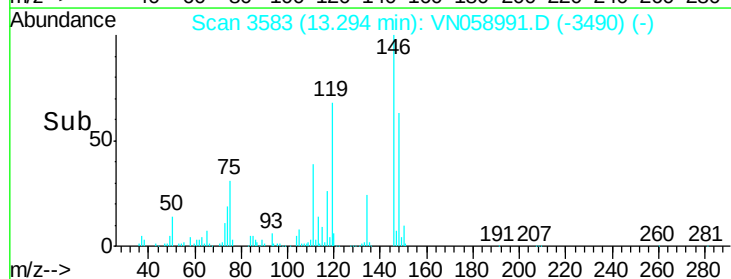
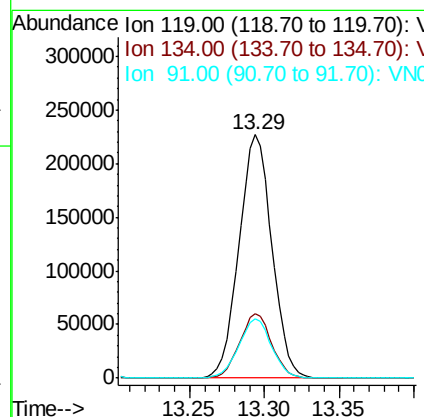
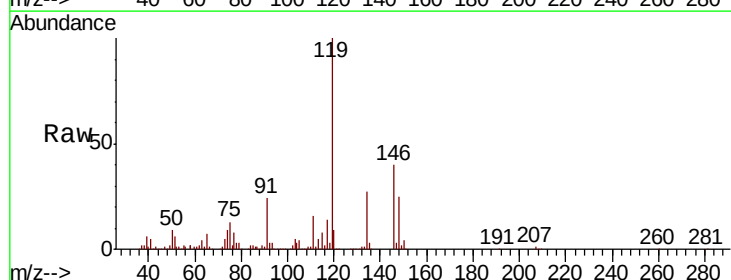
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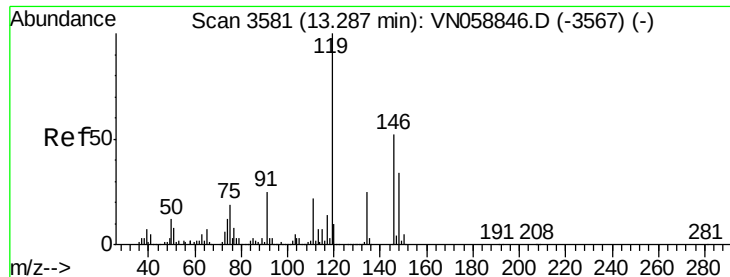
MMDadoda
 10/30/2019 3:53:08 PM



#86
 p-Isopropyltoluene
 Concen: 21.708 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	344400		
134	26.1	12.8	38.4	
91	24.1	12.2	36.4	





#87

1,3-Dichlorobenzene

Concen: 21.101 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058991.D

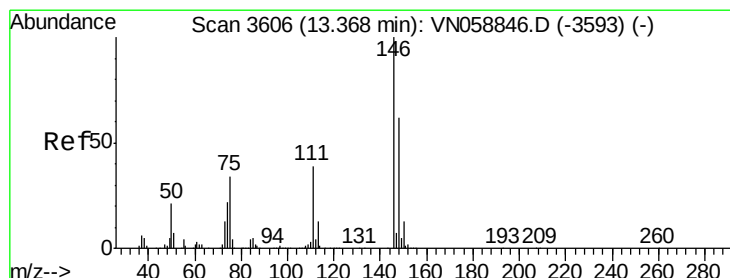
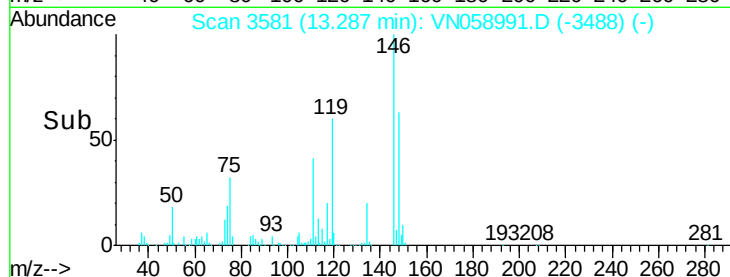
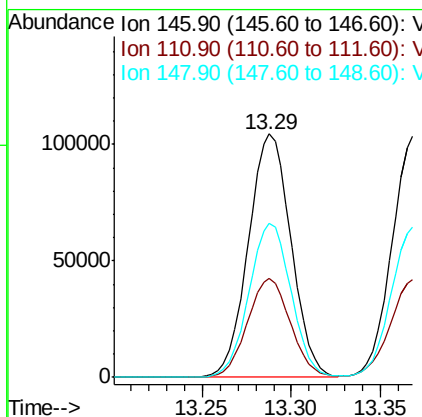
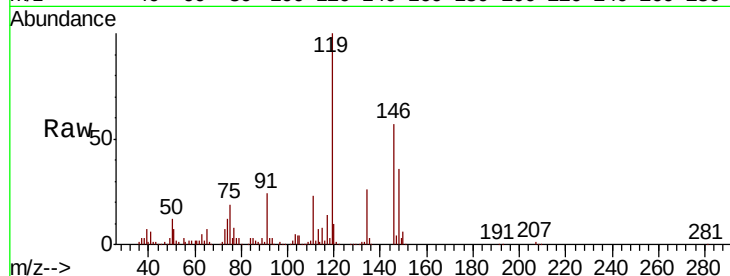
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	62.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.702 ug/l

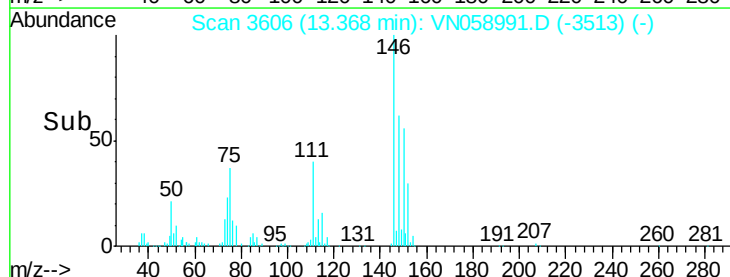
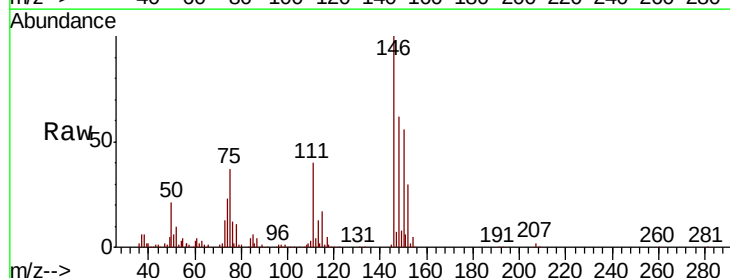
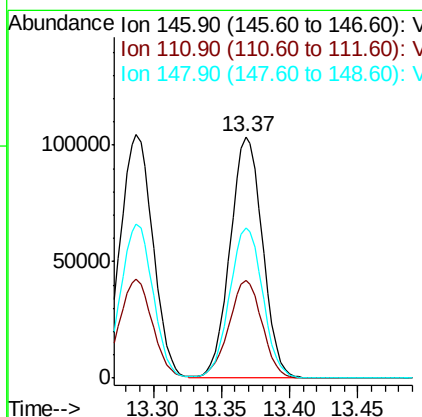
RT: 13.37 min Scan# 3606

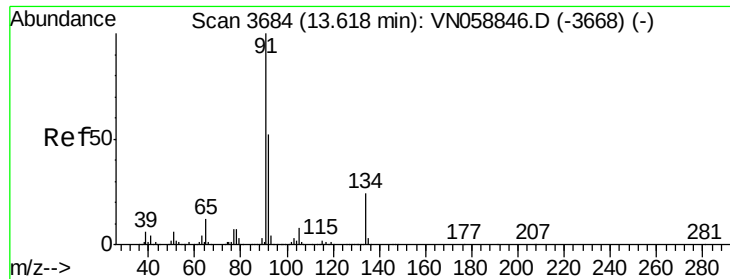
Delta R.T. 0.00 min

Lab File: VN058991.D

Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.7	31.6	94.7





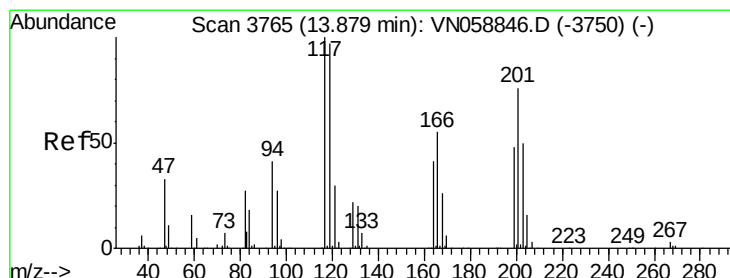
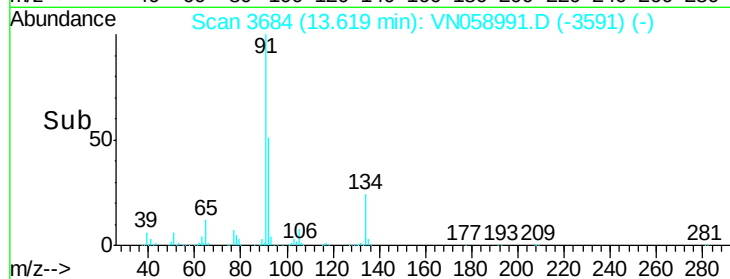
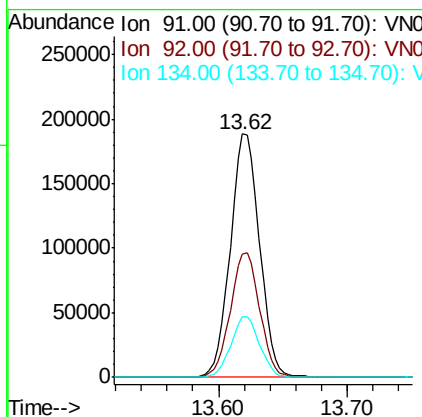
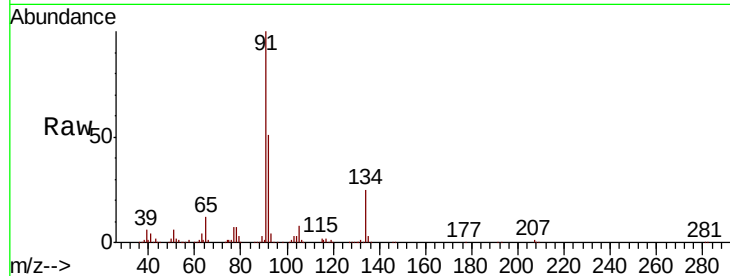
#89
n-Butylbenzene
Concen: 20.345 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.1
134	24.6	11.9	35.5

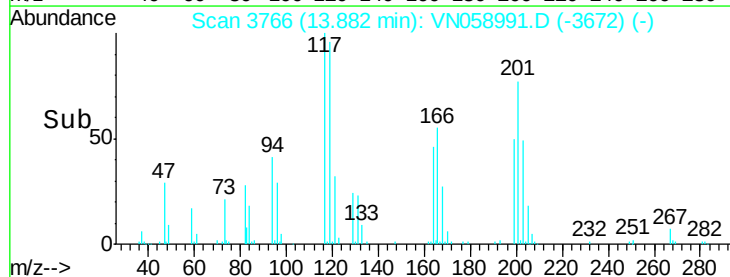
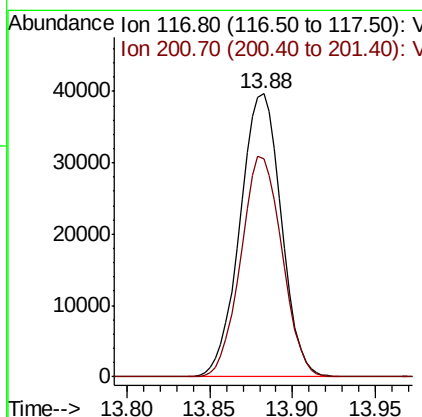
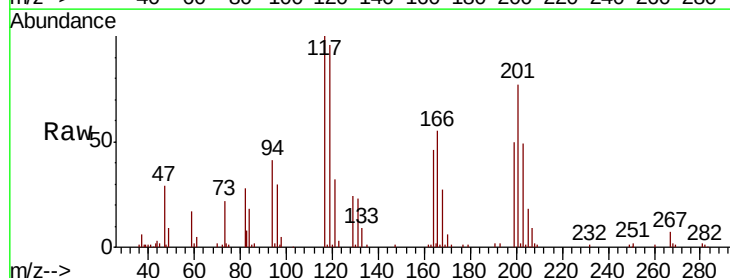
Manual Integrations
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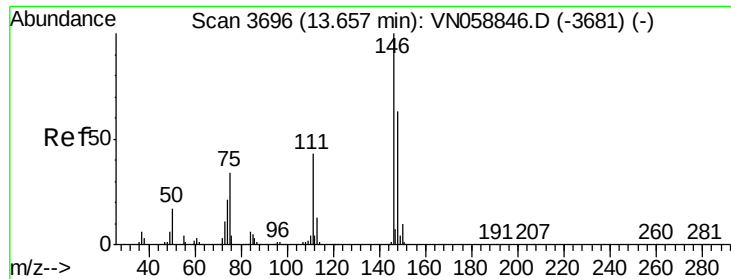
MMDadoda
10/30/2019 3:53:08 PM



#90
Hexachloroethane
Concen: 21.455 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.9	116.6





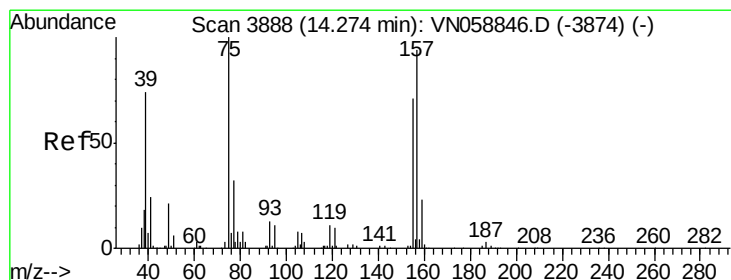
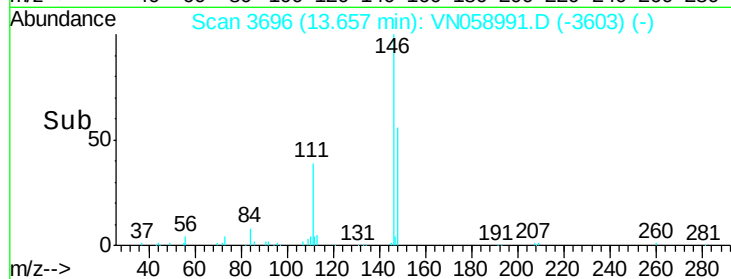
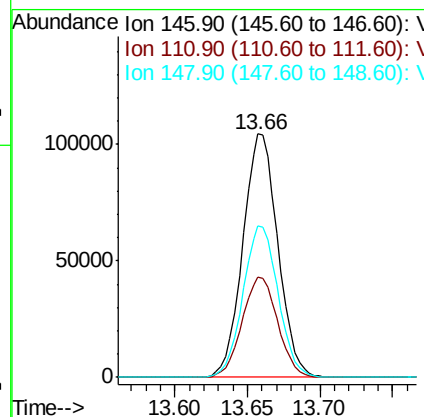
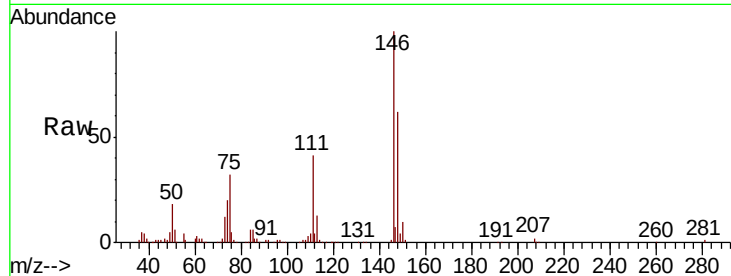
#91
 1,2-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.6	64.8
148	62.6	31.9	95.9

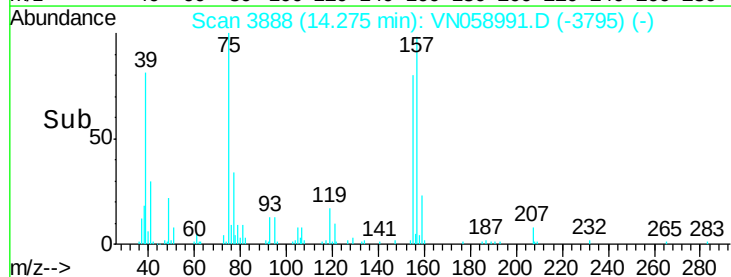
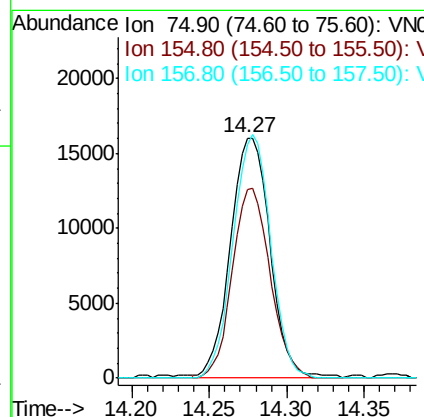
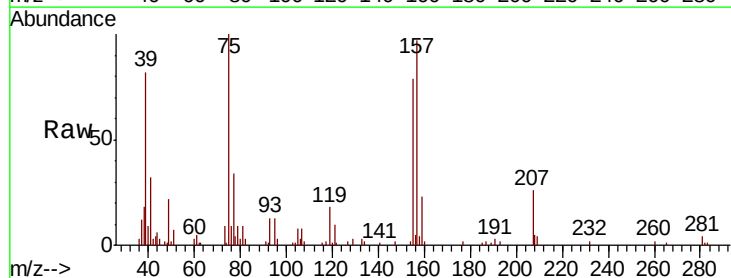
Manual Integrations
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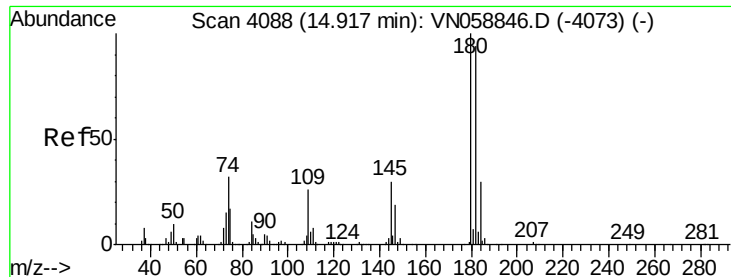
MMDadoda
 10/30/2019 3:53:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	35.6	106.8
157	95.8	47.4	142.2





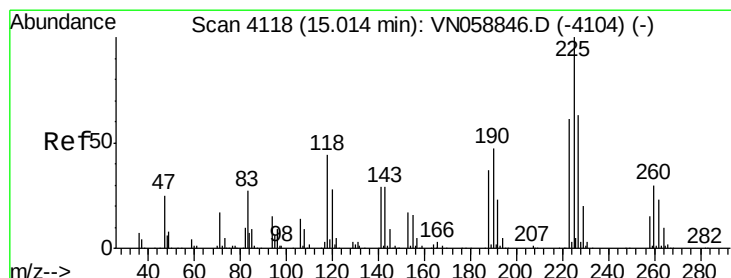
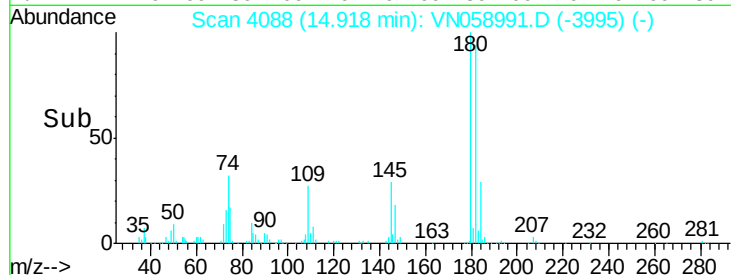
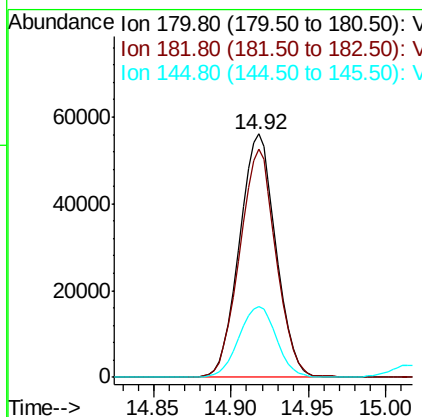
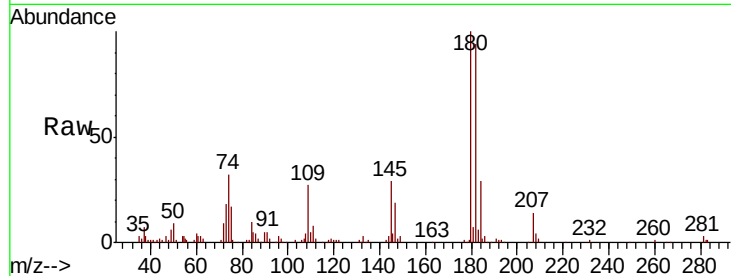
#93
 1,2,4-Trichlorobenzene
 Concen: 19.566 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91885		
182	93.6	47.3	142.0	
145	29.8	15.3	45.8	

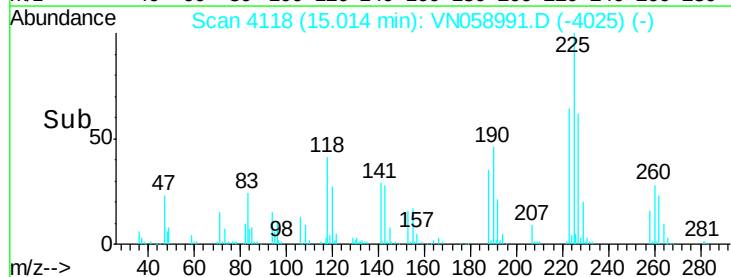
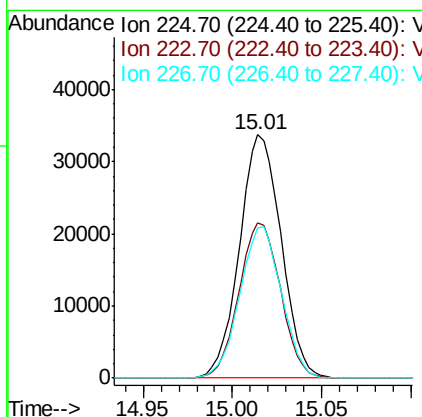
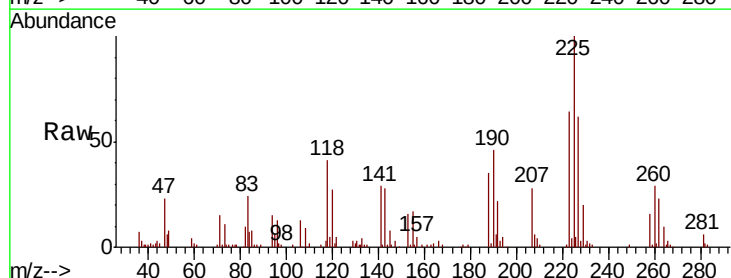
Manual Integrations
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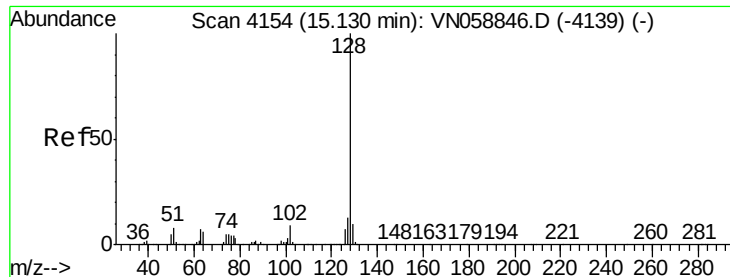
MMDadoda
 10/30/2019 3:53:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.965 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058991.D
 Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55252		
223	63.5	30.9	92.5	
227	62.2	31.6	94.7	





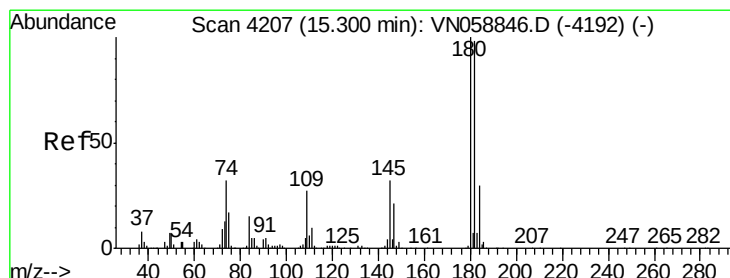
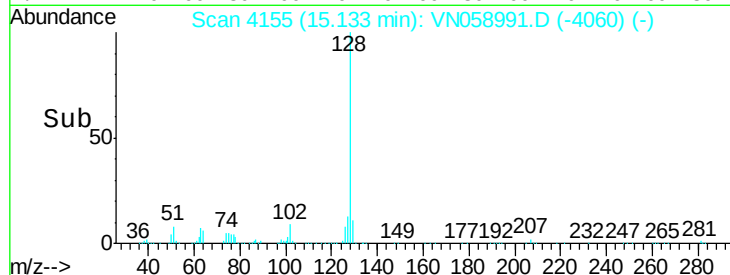
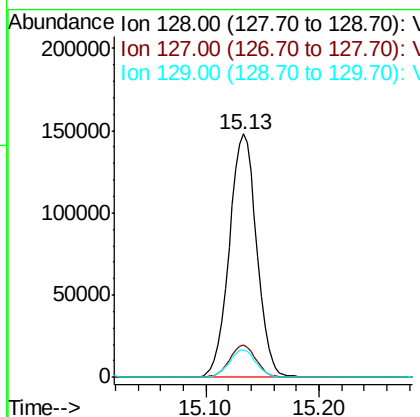
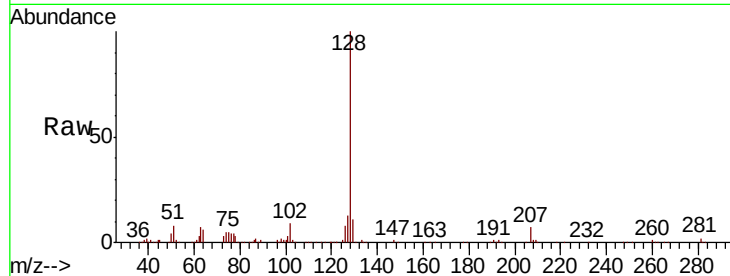
#95
Naphthalene
Concen: 18.416 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 3:53:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.342 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058991.D
Acq: 28 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	32.4	15.9	47.7

