

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058961.D
 Acq On : 24 Oct 2019 15:12
 Operator : JC/SP
 Sample : VN1025WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 1:16:08 AM

Quant Time: Oct 25 02:15:09 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	332642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	538019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	249579	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.57	113	177833	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.08	98	680648	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	243670	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	80527	19.416	ug/l 98
3) Chloromethane	2.04	50	94565	18.410	ug/l 99
4) Vinyl Chloride	2.17	62	97968	19.209	ug/l 97
5) Bromomethane	2.55	94	58114	18.196	ug/l 99
6) Chloroethane	2.69	64	63553	19.432	ug/l 100
7) Trichlorofluoromethane	3.00	101	123305	19.540	ug/l 99
8) Diethyl Ether	3.39	74	43254	19.835	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68766	19.656	ug/l 98
10) Methyl Iodide	3.93	142	75425	16.393	ug/l 99
11) Tert butyl alcohol	4.75	59	75794	93.619	ug/l 99
12) 1,1-Dichloroethene	3.72	96	64170	19.569	ug/l 96
13) Acrolein	3.59	56	30542	54.904	ug/l 100
14) Allyl chloride	4.30	41	127980	19.287	ug/l 99
15) Acrylonitrile	4.96	53	206430	101.366	ug/l 99
16) Acetone	3.79	43	196803	81.635	ug/l 99
17) Carbon Disulfide	4.03	76	190783	18.061	ug/l 97
18) Methyl Acetate	4.30	43	110530	20.166	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	231928	20.198	ug/l 99
20) Methylene Chloride	4.53	84	80382	19.527	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	71698	19.798	ug/l 98
22) Diisopropyl ether	5.93	45	269666	20.777	ug/l 99
23) Vinyl Acetate	5.87	43	1102933	105.769	ug/l 100
24) 1,1-Dichloroethane	5.83	63	150144	19.950	ug/l 99
25) 2-Butanone	6.81	43	286670	91.604	ug/l 100
26) 2,2-Dichloropropane	6.81	77	119576	18.369	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	82878	20.034	ug/l 99
28) Bromochloromethane	7.17	49	52068	20.774	ug/l 100
29) Tetrahydrofuran	7.19	42	192056	100.323	ug/l 99
30) Chloroform	7.35	83	146449	19.399	ug/l 99
31) Cyclohexane	7.64	56	132710	18.928	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	124947	19.636	ug/l 99
36) 1,1-Dichloropropene	7.77	75	105577	19.167	ug/l 99
37) Ethyl Acetate	6.90	43	120289	20.042	ug/l 98
38) Carbon Tetrachloride	7.76	117	108328	19.090	ug/l 97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113238	18.309	ug/l	98
40) Benzene	8.02	78	319752	19.769	ug/l	98
41) Methacrylonitrile	7.16	41	47129m	17.631	ug/l	
42) 1,2-Dichloroethane	8.11	62	121164	19.446	ug/l	100
43) Isopropyl Acetate	8.15	43	190103	19.750	ug/l	99
44) Trichloroethene	8.82	130	76332	19.373	ug/l	99
45) 1,2-Dichloropropane	9.11	63	88817	20.025	ug/l	99
46) Dibromomethane	9.20	93	56163	20.030	ug/l	98
47) Bromodichloromethane	9.39	83	113372	19.618	ug/l	98
48) Methyl methacrylate	9.19	41	86306	19.762	ug/l	99
49) 1,4-Dioxane	9.19	88	26305	366.926	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	597967	106.357	ug/l	99
52) Toluene	10.15	92	194824	20.311	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125398	19.601	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	133039	19.465	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	77674	19.657	ug/l	98
56) Ethyl methacrylate	10.42	69	113694	18.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138025	19.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	251293	93.289	ug/l	99
59) 2-Hexanone	10.75	43	431953	99.425	ug/l	98
60) Dibromochloromethane	10.90	129	83353	19.598	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79939	19.768	ug/l	99
64) Tetrachloroethene	10.63	164	67604	19.230	ug/l	98
65) Chlorobenzene	11.43	112	202134	19.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76800	19.914	ug/l	99
67) Ethyl Benzene	11.51	91	361668	20.174	ug/l	97
68) m/p-Xylenes	11.62	106	266546	40.091	ug/l	99
69) o-Xylene	11.95	106	126480	19.947	ug/l	100
70) Styrene	11.97	104	204643	18.599	ug/l	99
71) Bromoform	12.13	173	57336	19.173	ug/l #	99
73) Isopropylbenzene	12.25	105	347843	20.359	ug/l	99
74) N-amyl acetate	12.07	43	152892	19.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	122157	20.334	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	105113m	19.400	ug/l	
77) Bromobenzene	12.53	156	83668	19.868	ug/l	99
78) n-propylbenzene	12.59	91	409827	20.293	ug/l	99
79) 2-Chlorotoluene	12.68	91	246102	19.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	293930	20.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38805	18.657	ug/l	98
82) 4-Chlorotoluene	12.78	91	250084	19.798	ug/l	99
83) tert-Butylbenzene	13.00	119	253302	20.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294299	20.785	ug/l	99
85) sec-Butylbenzene	13.17	105	332031	20.288	ug/l	98
86) p-Isopropyltoluene	13.29	119	293970	20.357	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	146569	19.464	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	146589	19.444	ug/l	98
89) n-Butylbenzene	13.62	91	255935	19.293	ug/l	100
90) Hexachloroethane	13.88	117	58976	20.155	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	148317	20.040	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25080	18.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76932	18.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	45175	18.832	ug/l	100
95) Naphthalene	15.13	128	207597	17.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76601	18.474	ug/l	99

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

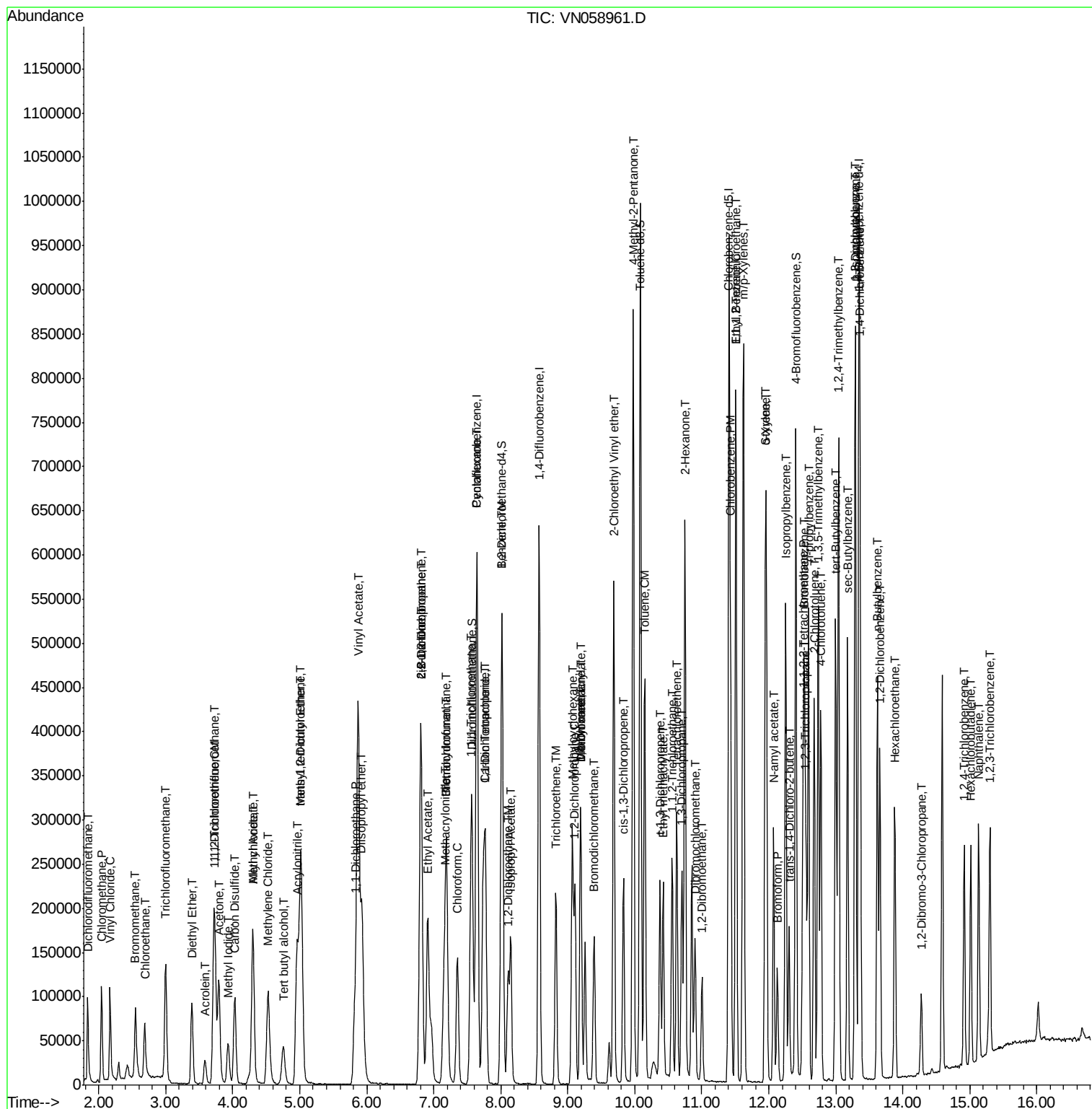
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Data File : VN058961.D
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Client Sampled :
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion:168 Resp: 332642

Ion Ratio Lower Upper

168 100

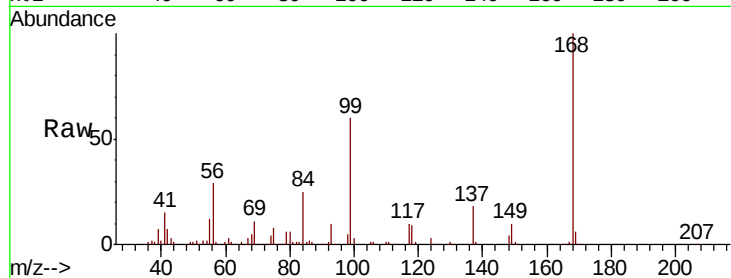
99 59.8 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

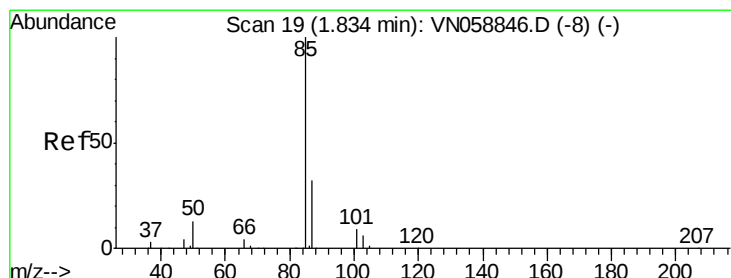
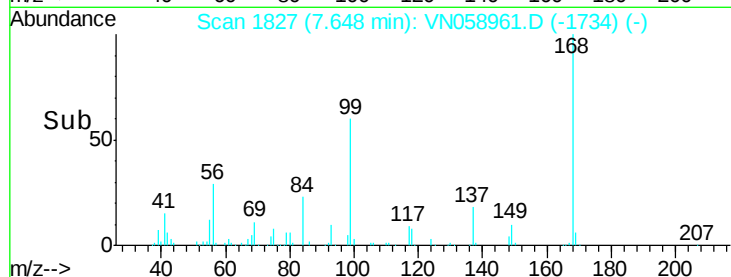
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.416 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058961.D

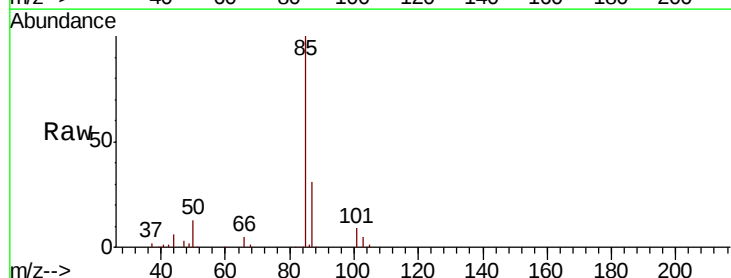
Acq: 24 Oct 2019 15:12

Tgt Ion: 85 Resp: 80527

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

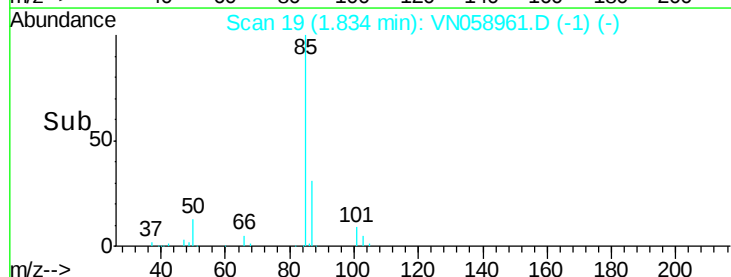
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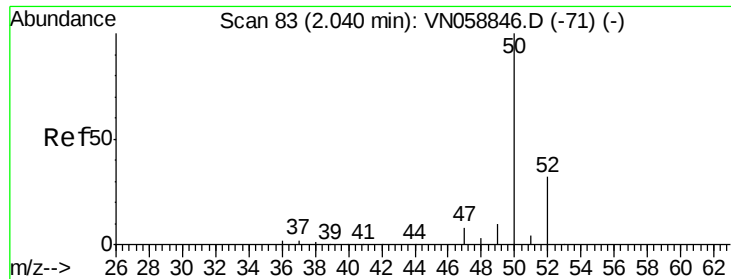
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.410 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 50 Resp: 94565

Ion Ratio Lower Upper

50 100

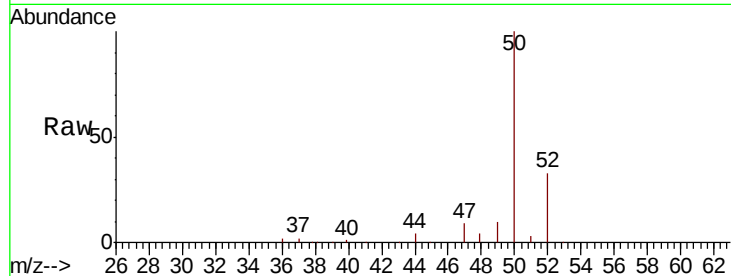
52 32.7 25.7 38.5

Manual Integrations

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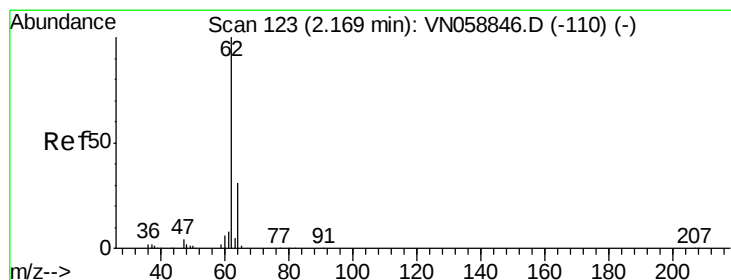
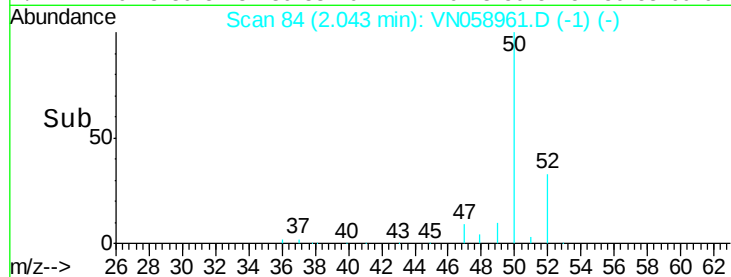
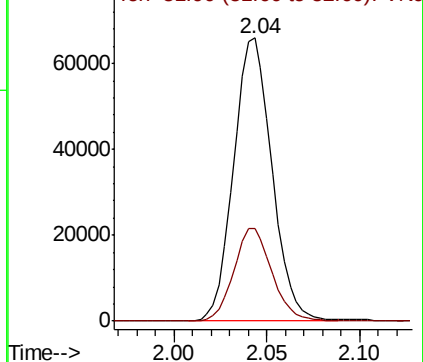
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.209 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058961.D

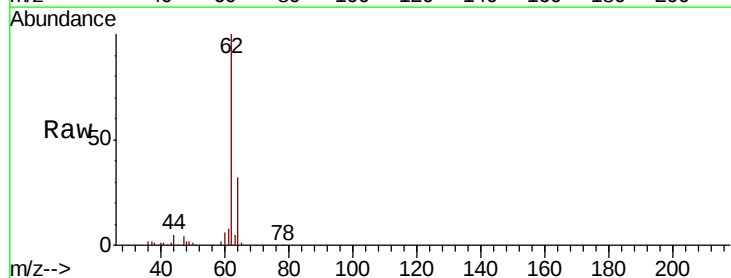
Acq: 24 Oct 2019 15:12

Tgt Ion: 62 Resp: 97968

Ion Ratio Lower Upper

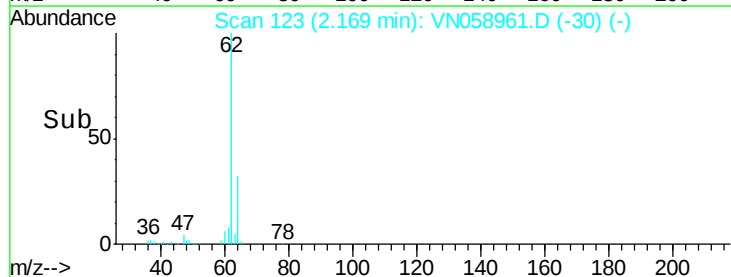
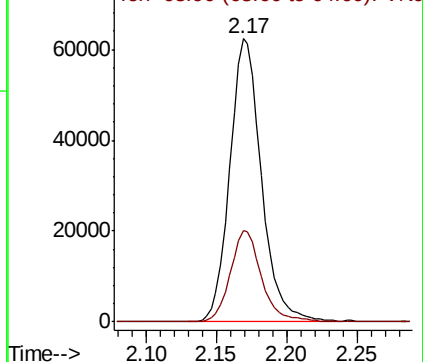
62 100

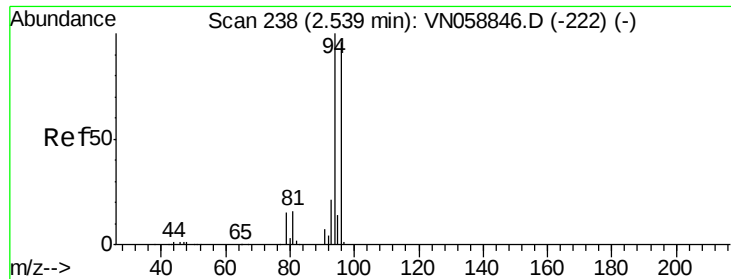
64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.196 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 94 Resp: 58114

Ion Ratio Lower Upper

94 100

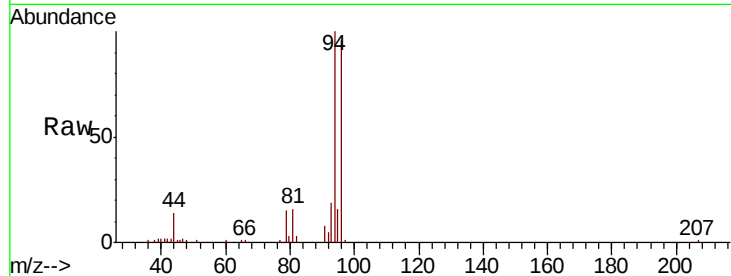
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Manual Integrations

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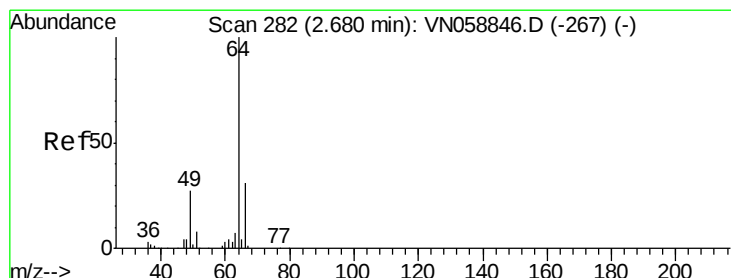
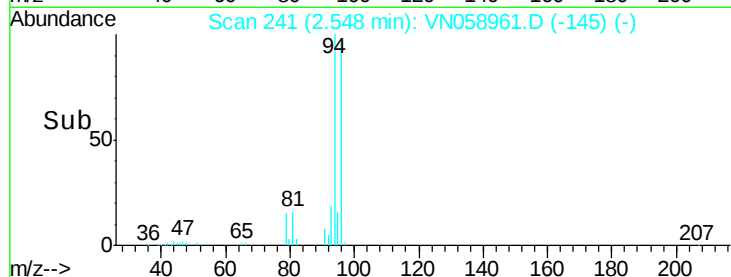
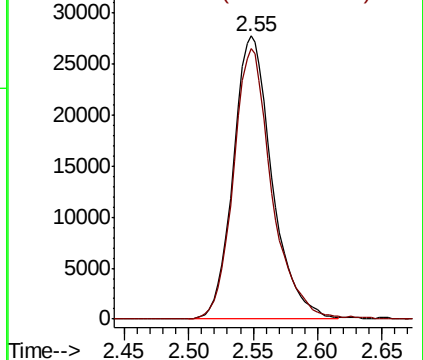
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.432 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058961.D

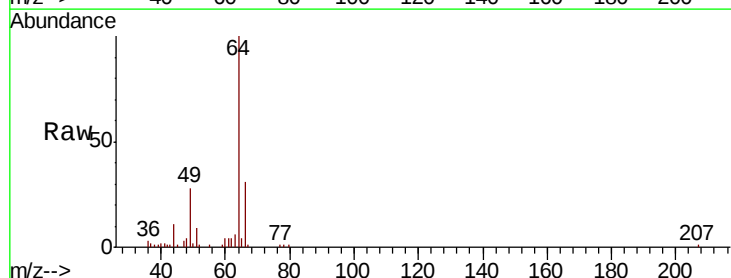
Acq: 24 Oct 2019 15:12

Tgt Ion: 64 Resp: 63553

Ion Ratio Lower Upper

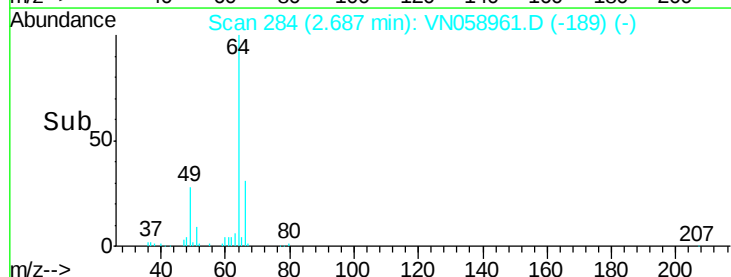
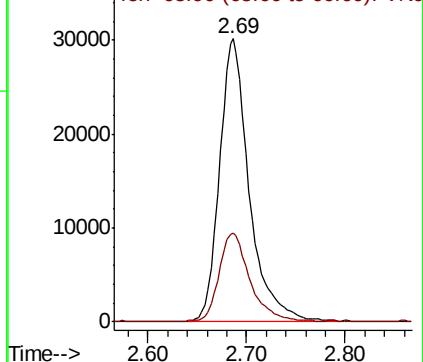
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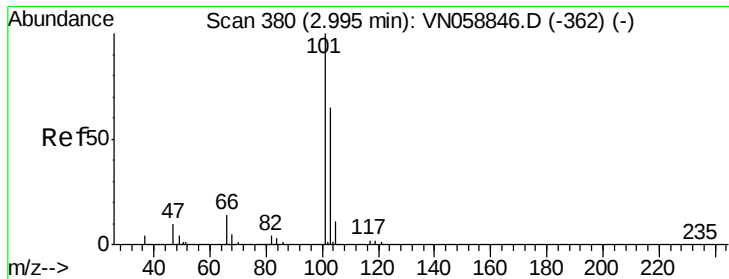
66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

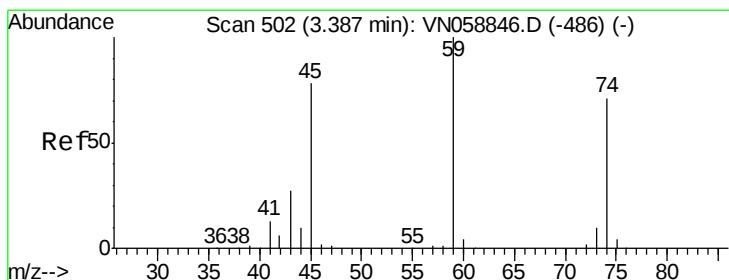
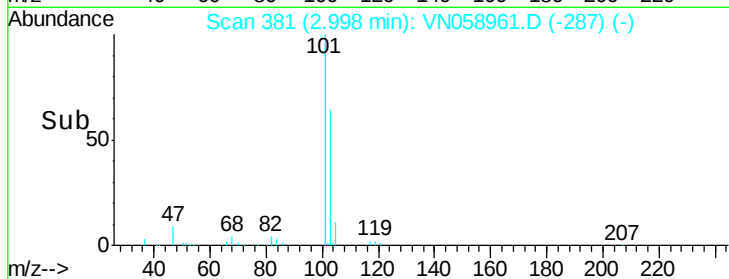
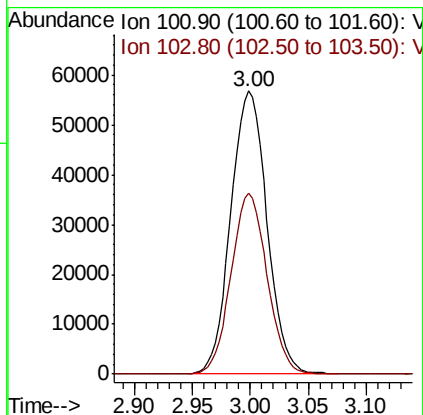
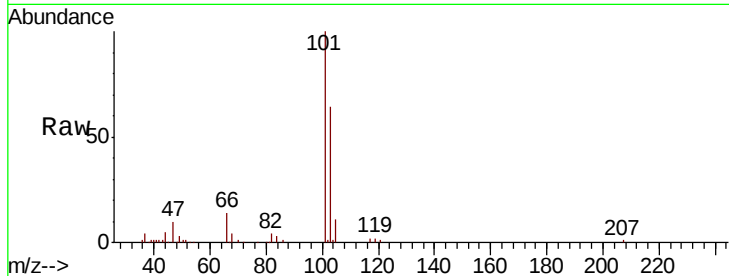
Trichlorofluoromethane
Concen: 19.540 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
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ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.2

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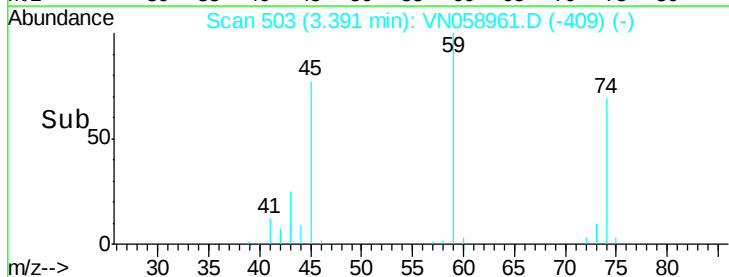
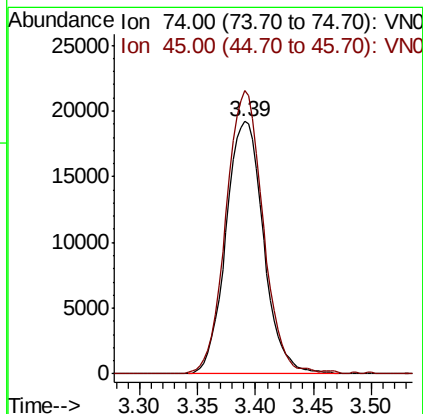
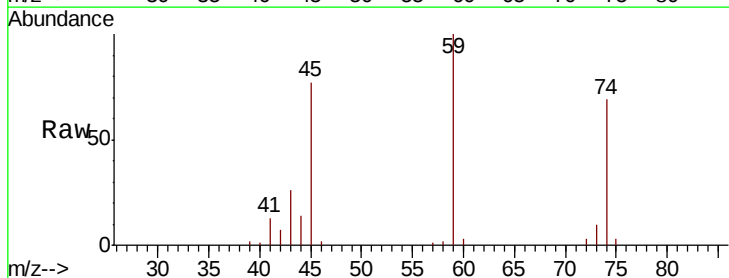
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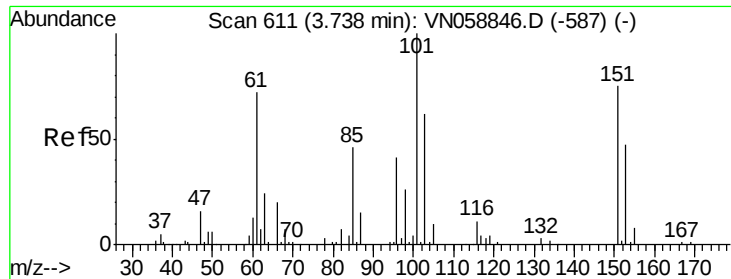


#8

Diethyl Ether
Concen: 19.835 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058961.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.9	164.5





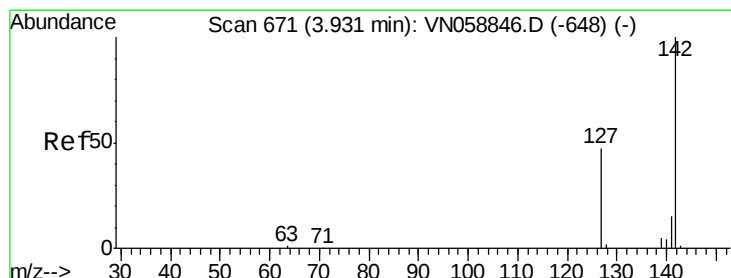
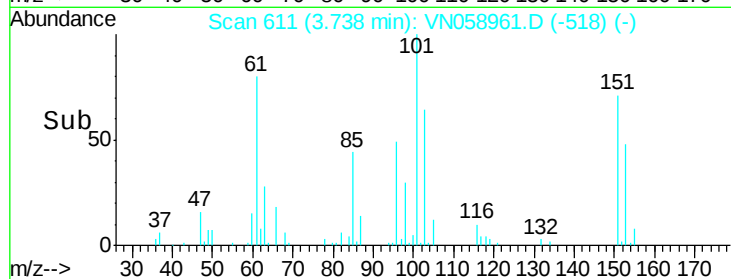
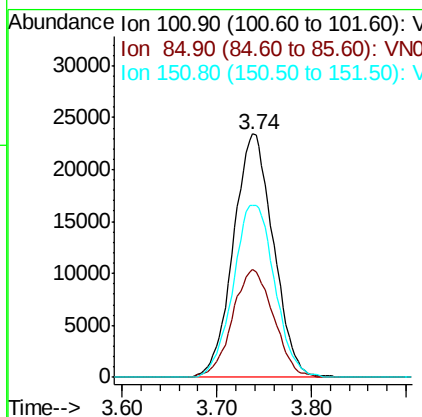
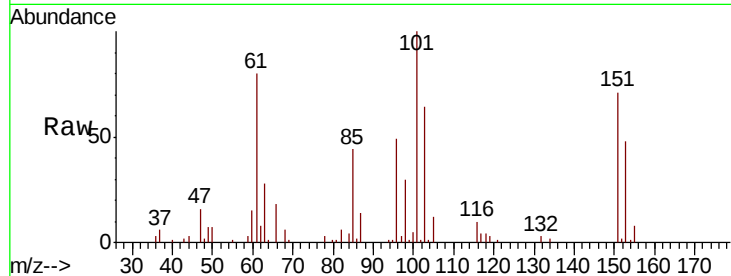
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.656 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	37.2	55.8
151	73.5	59.9	89.9

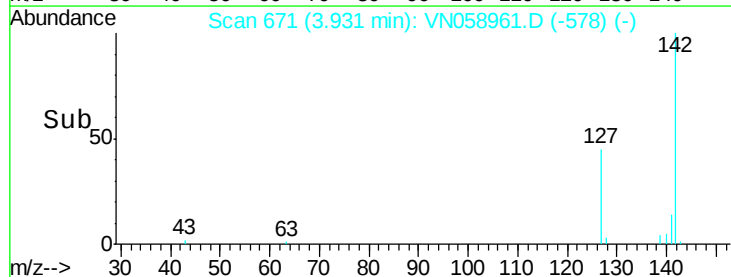
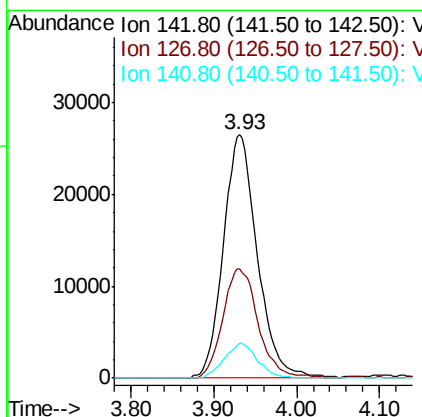
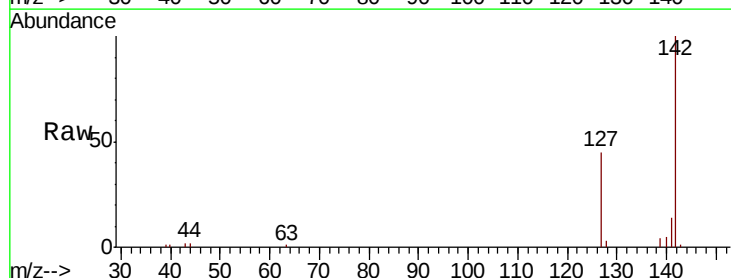
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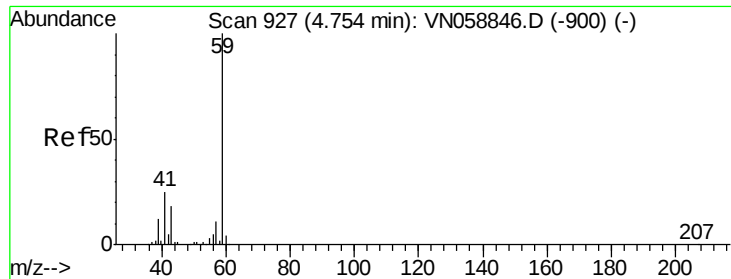
MMDadoda
 10/26/2019 1:16:08 AM



#10
 Methyl Iodide
 Concen: 16.393 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.5	36.6	54.8
141	14.0	11.4	17.2





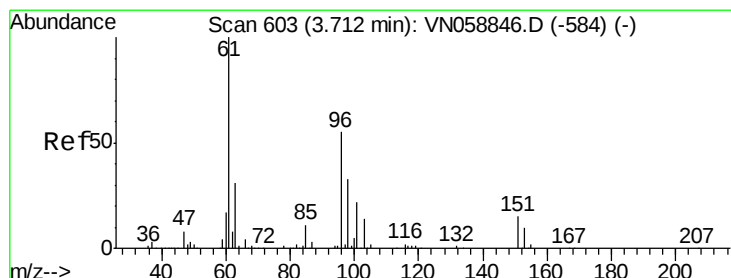
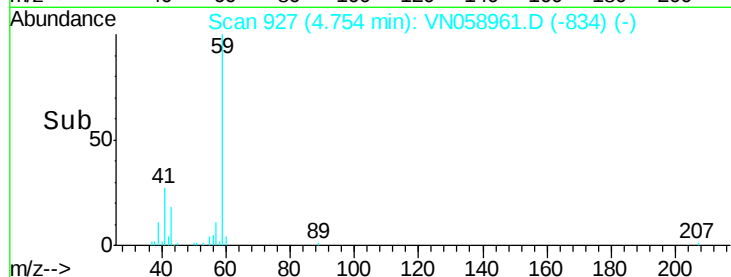
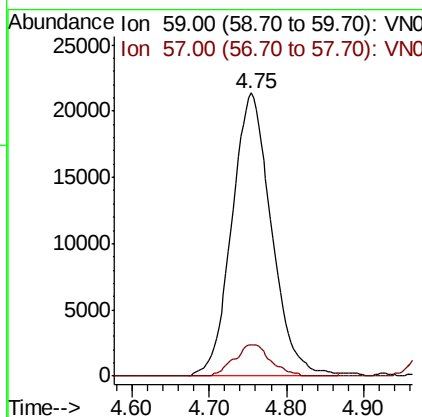
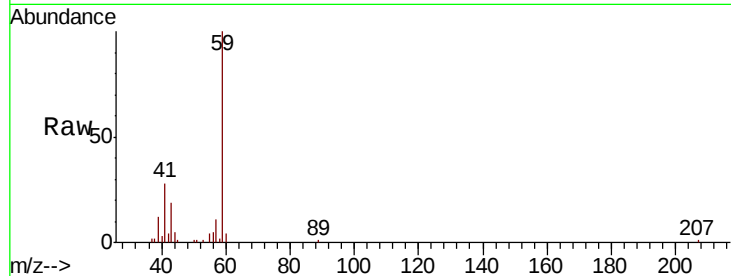
#11
Tert butyl alcohol
Concen: 93.619 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	59	57	Ratio	100	10.2	Resp	75794	Lower	8.6	Upper	12.8
Ion											

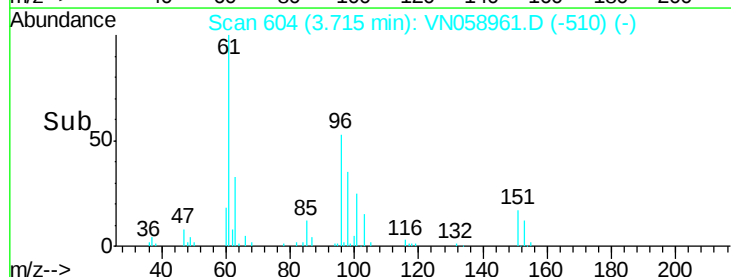
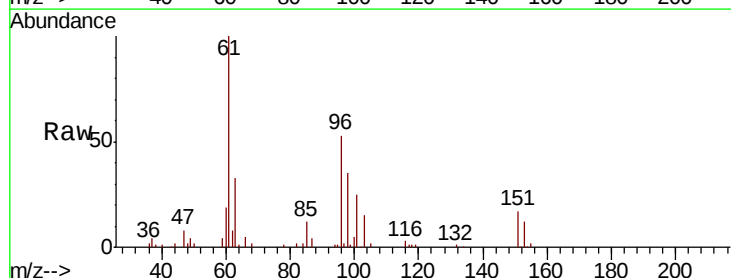
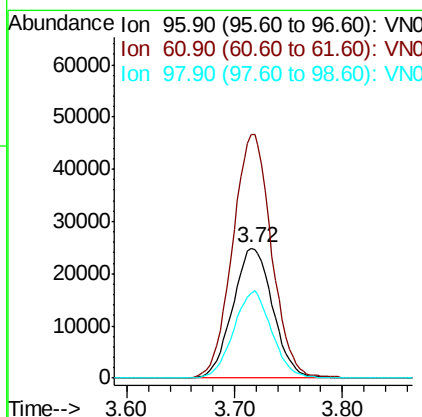
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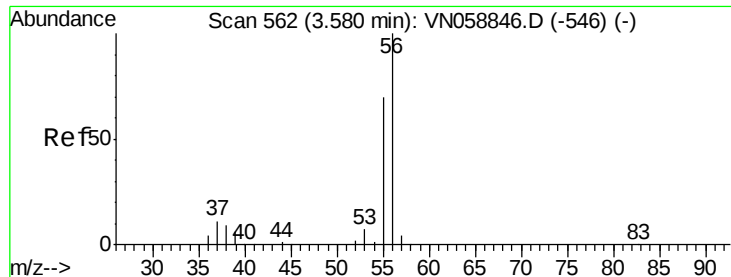
MMDadoda
10/26/2019 1:16:08 AM



#12
1,1-Dichloroethene
Concen: 19.569 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	96	61	98	Ratio	100	187.2	65.6	Resp	64170	Lower	146.2	48.7	Upper	219.2	73.1
Ion															





#13

Acrolein

Concen: 54.904 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 56 Resp: 30542

Ion Ratio Lower Upper

56 100

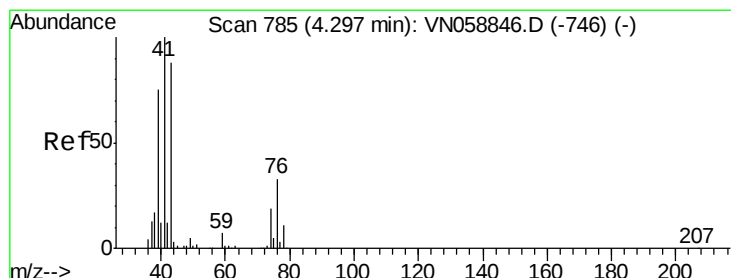
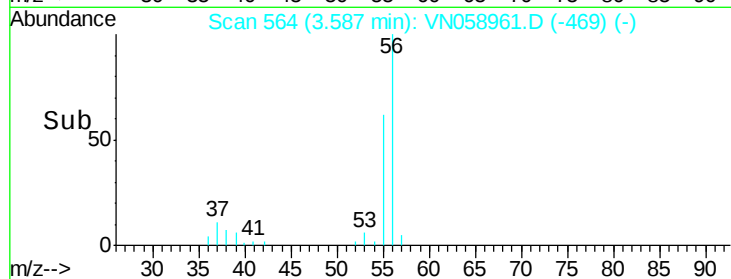
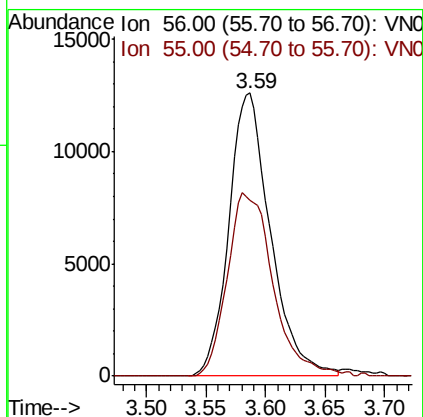
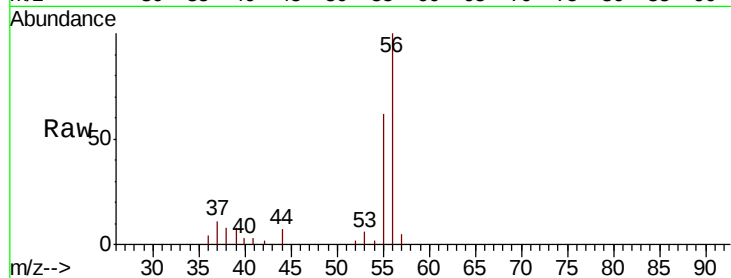
55 71.2 56.6 85.0

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#14

Allyl chloride

Concen: 19.287 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

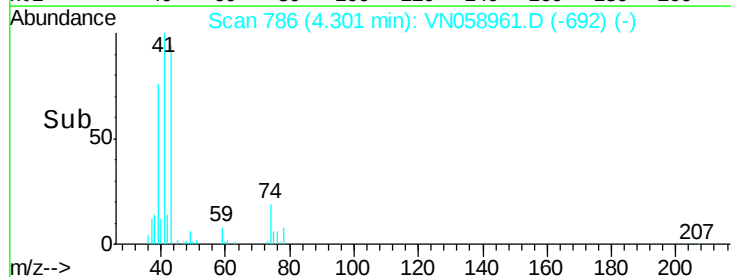
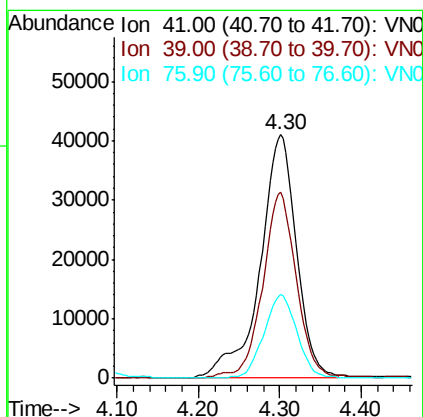
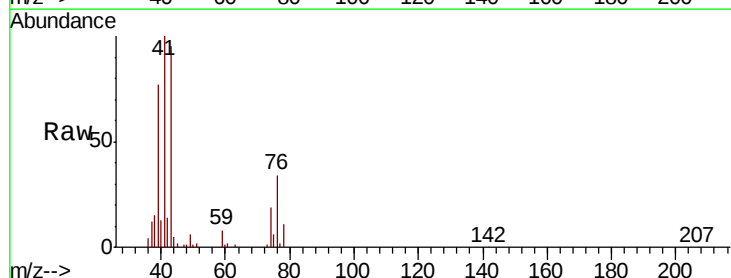
Tgt Ion: 41 Resp: 127980

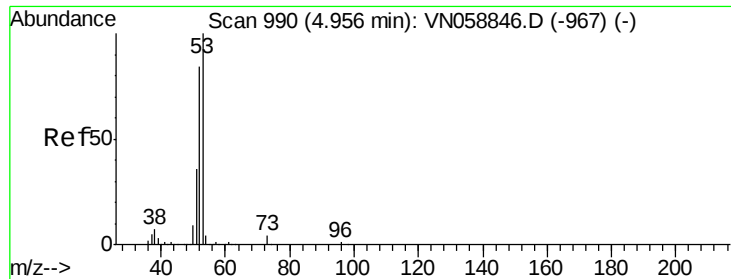
Ion Ratio Lower Upper

41 100

39 70.8 55.9 83.9

76 31.2 24.1 36.1





#15

Acrylonitrile

Concen: 101.366 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

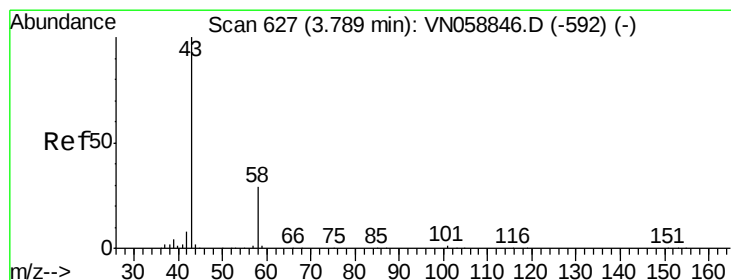
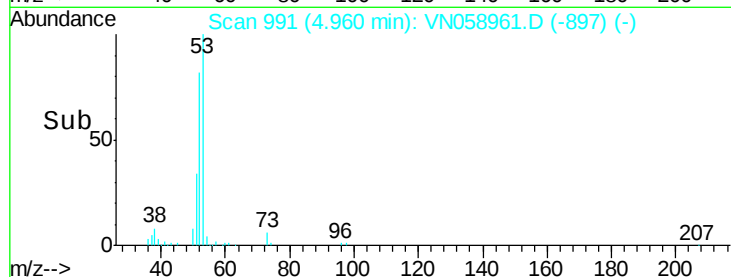
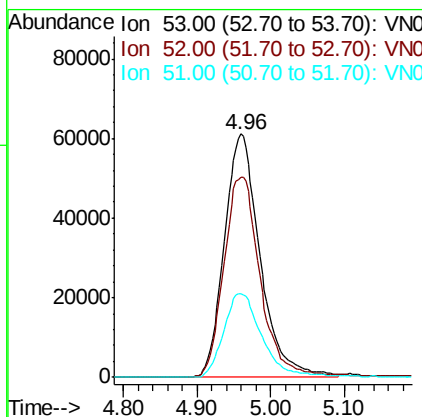
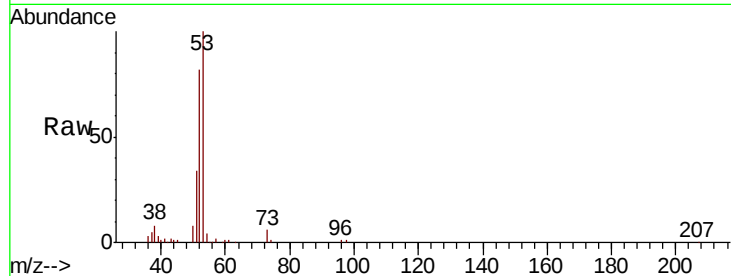
ClientSampleId :

VN1025WBSD02

Tot Ion	53	Resp	206430
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	99.8
51	36.6	29.2	43.8

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#16

Acetone

Concen: 81.635 ug/l

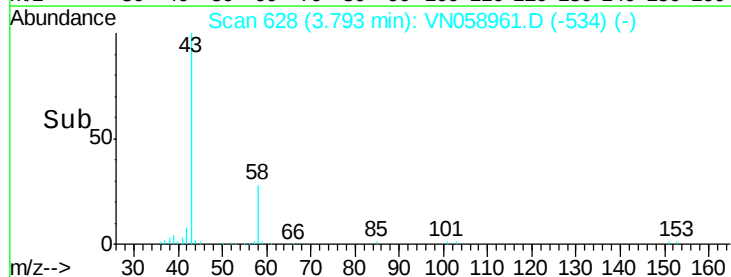
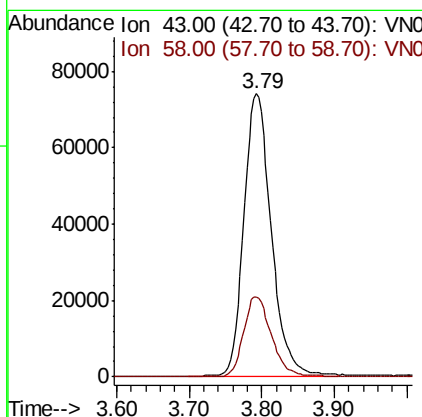
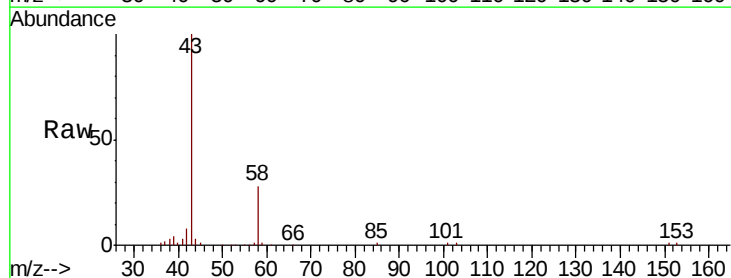
RT: 3.79 min Scan# 628

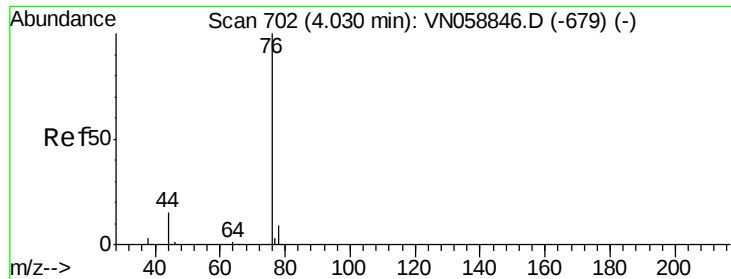
Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion	43	Resp	196803
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.1	34.7





#17

Carbon Disulfide

Concen: 18.061 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 76 Resp: 190783

Ion Ratio Lower Upper

76 100

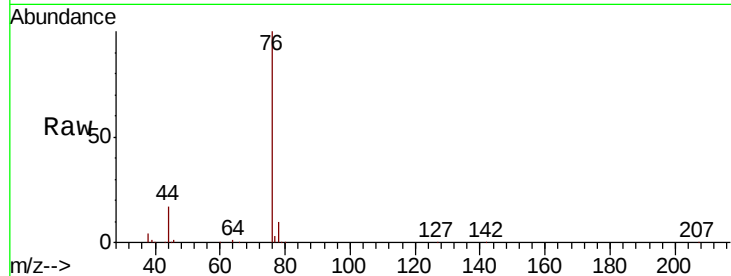
78 9.9 7.1 10.7

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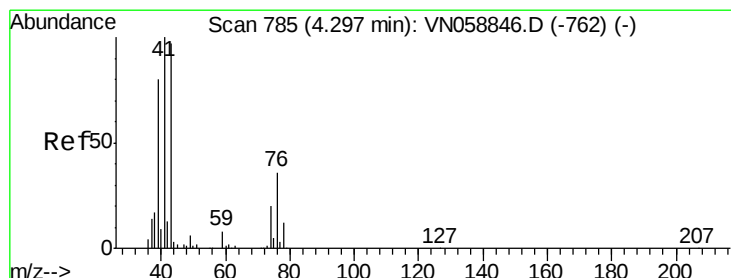
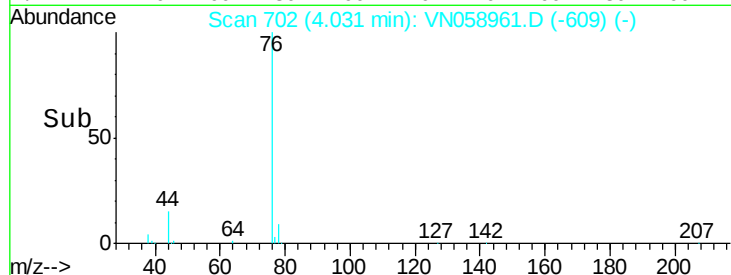
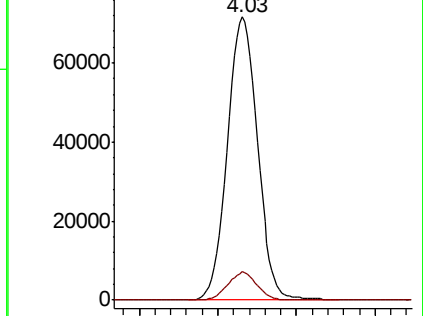
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.166 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058961.D

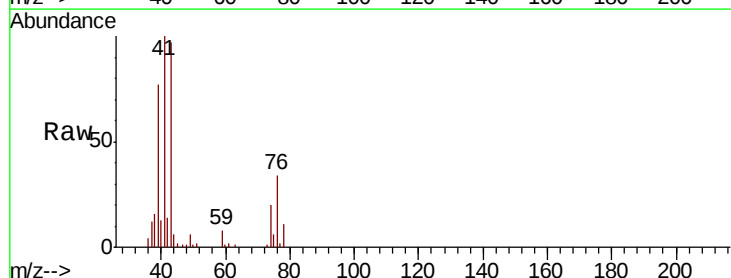
Acq: 24 Oct 2019 15:12

Tgt Ion: 43 Resp: 110530

Ion Ratio Lower Upper

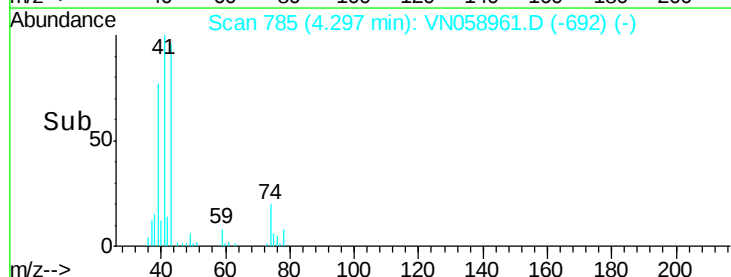
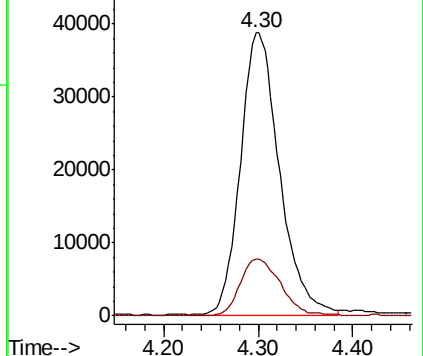
43 100

74 21.2 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





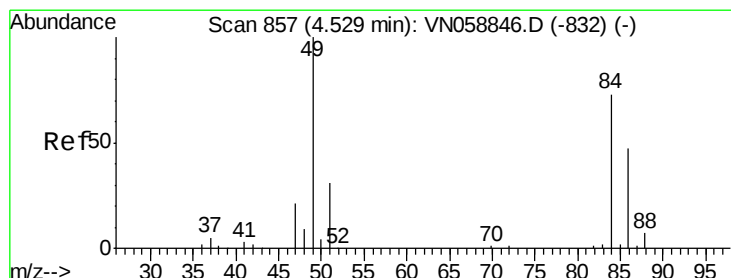
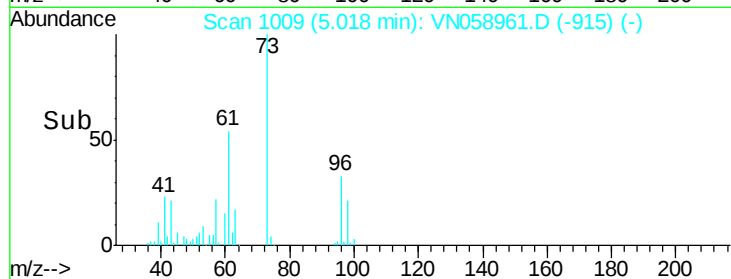
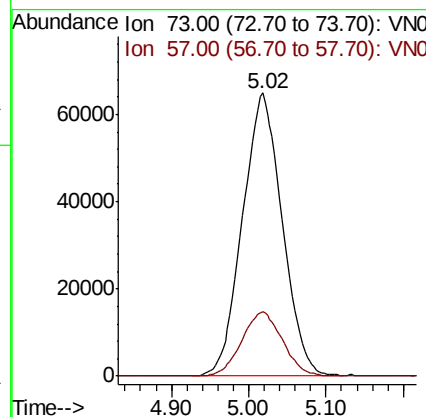
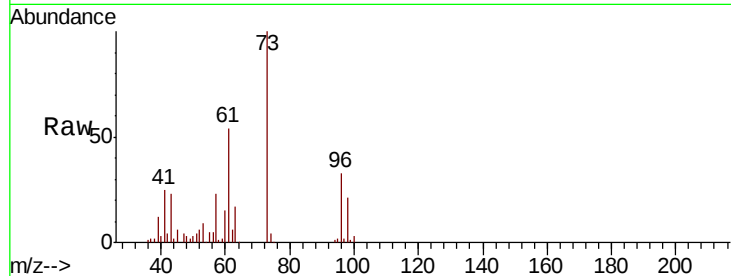
#19
Methvl tert-butvl Ether
Concen: 20.198 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 73 Resp: 231928
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

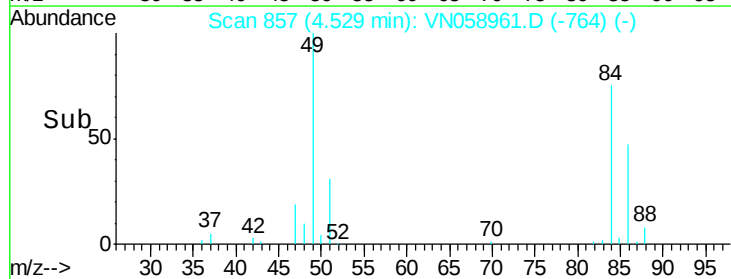
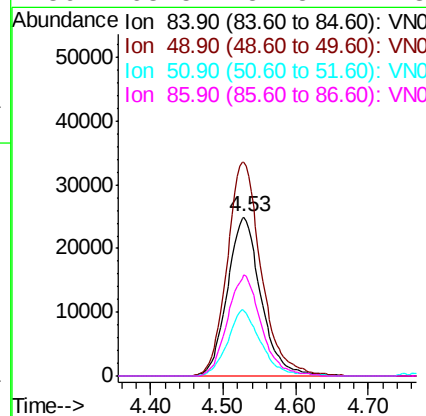
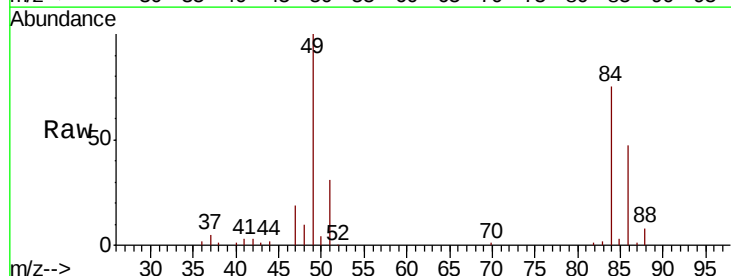
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#20
Methylene Chloride
Concen: 19.527 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 84 Resp: 80382
Ion Ratio Lower Upper
84 100
49 134.0 109.6 164.4
51 41.3 33.8 50.6
86 63.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.798 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 96 Resp: 71698

Ion Ratio Lower Upper

96 100

61 160.5 126.7 190.1

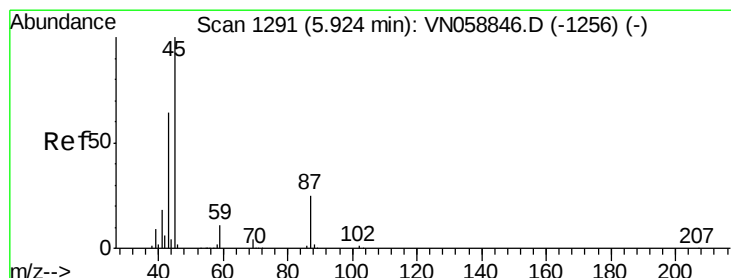
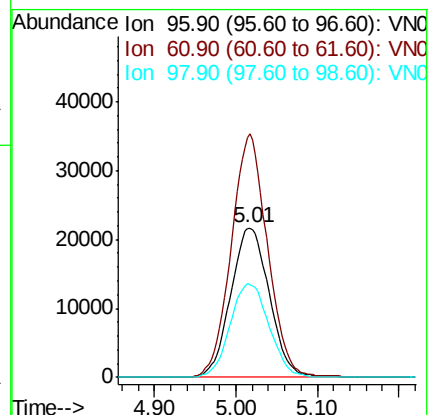
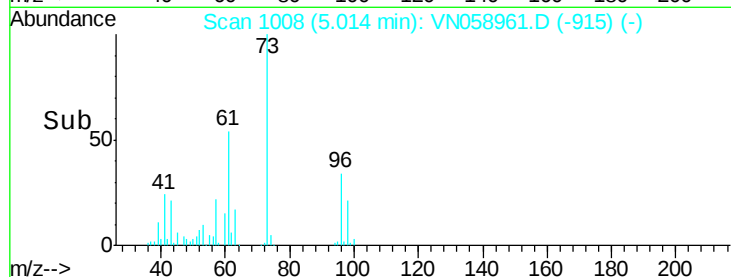
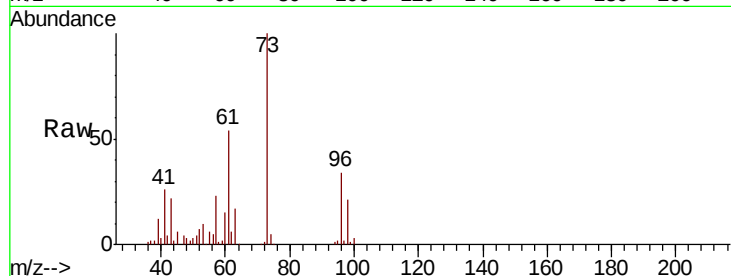
98 62.5 52.0 78.0

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#22

Diisopropyl ether

Concen: 20.777 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 45 Resp: 269666

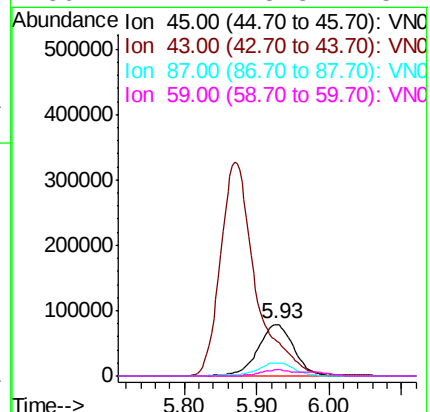
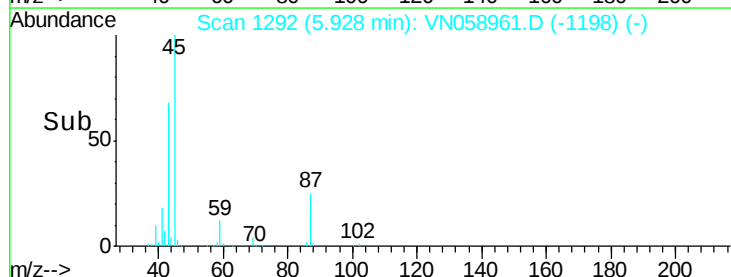
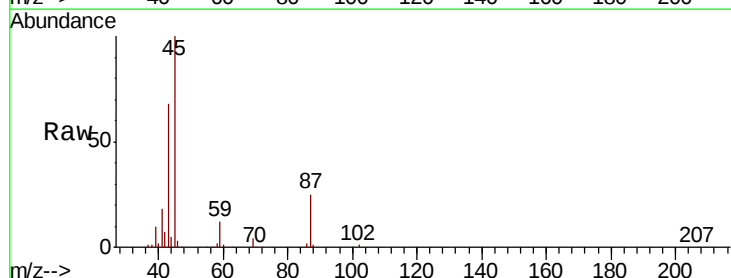
Ion Ratio Lower Upper

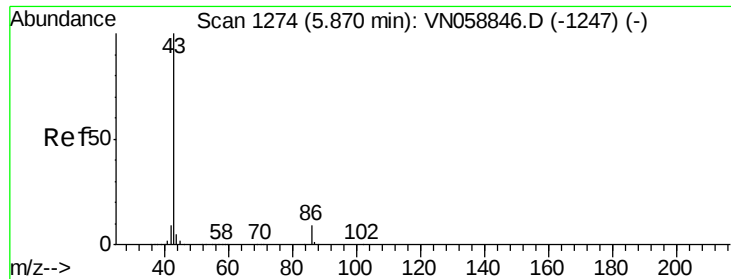
45 100

43 66.5 52.9 79.3

87 25.1 20.2 30.4

59 11.7 8.8 13.2





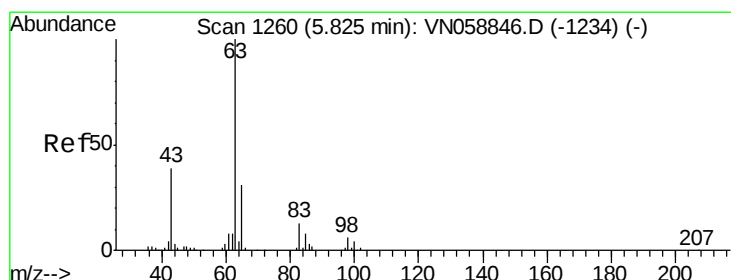
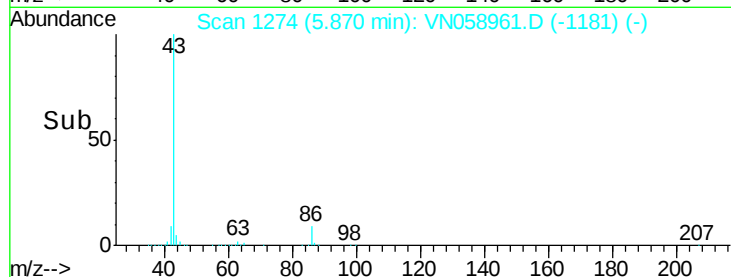
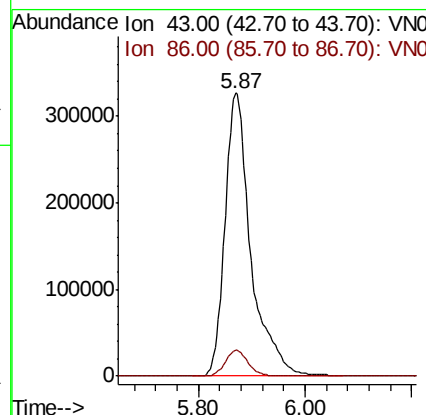
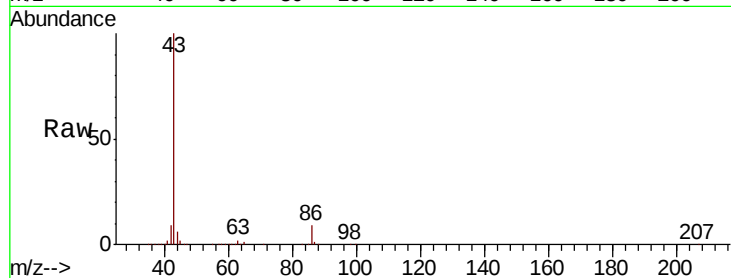
#23
 Vinyl Acetate
 Concen: 105.769 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion: 43 Resp: 1102933
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8

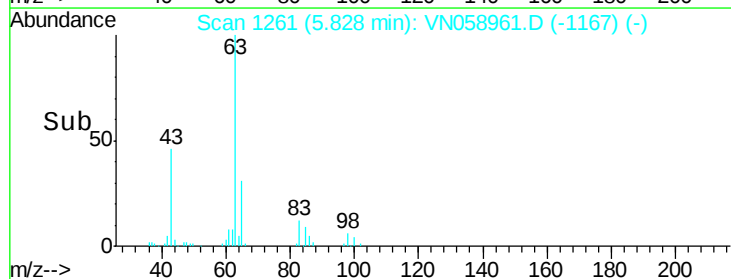
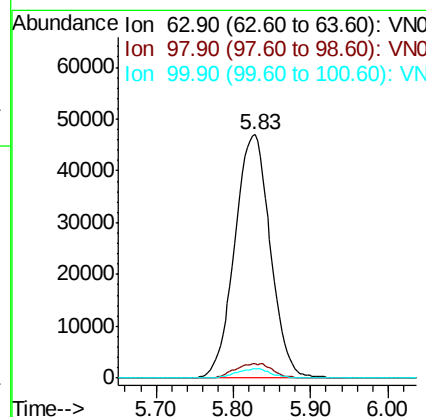
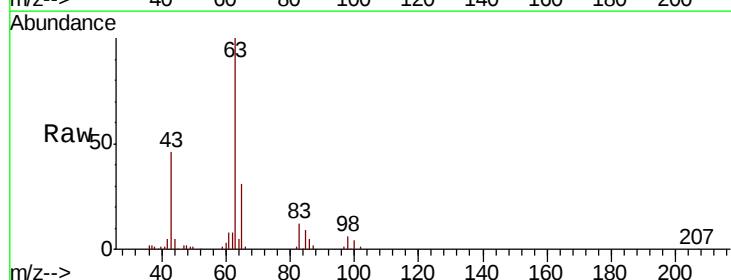
Manual Integrations
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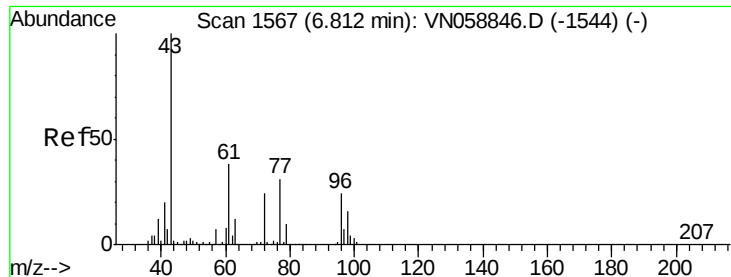
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.950 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 63 Resp: 150144
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 91.604 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 43 Resp: 286670

Ion Ratio Lower Upper

43 100

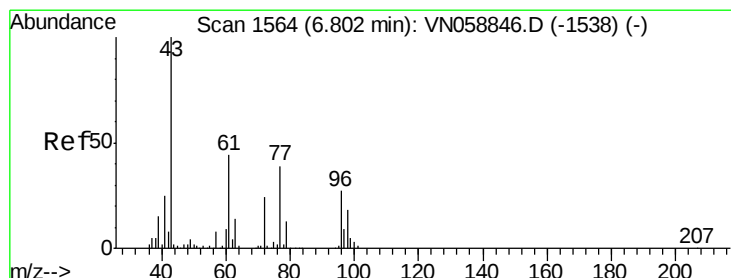
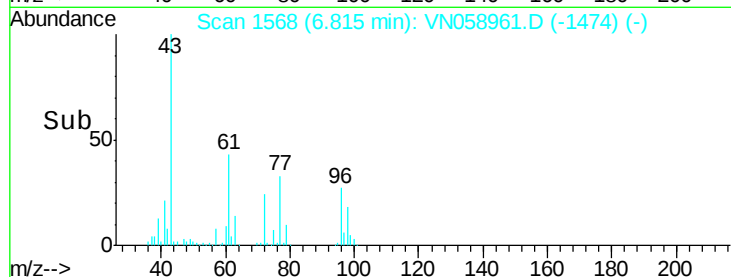
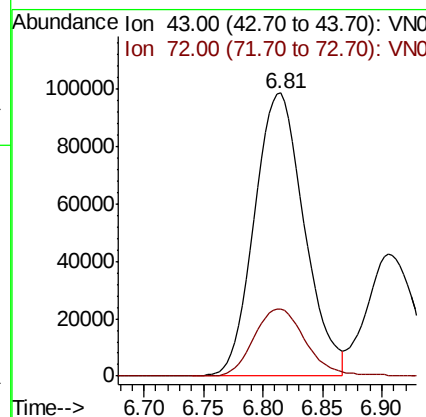
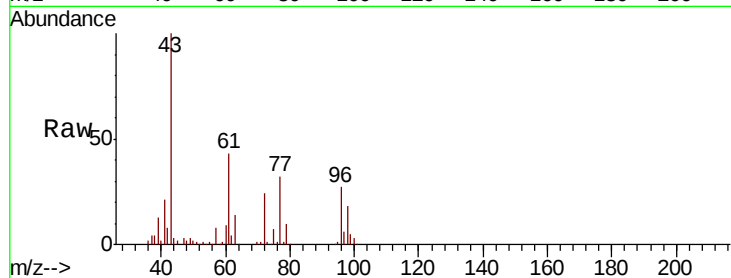
72 23.7 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.369 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058961.D

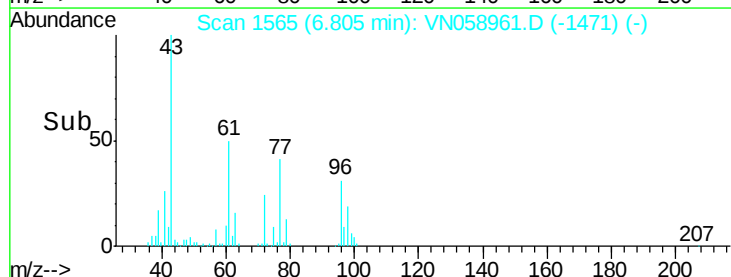
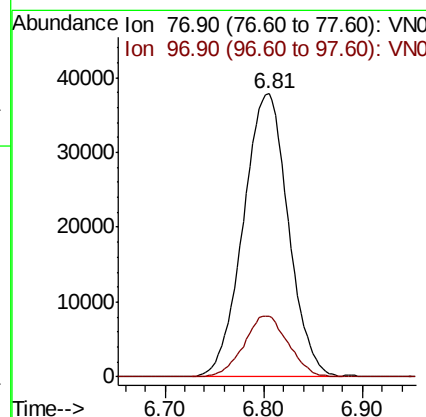
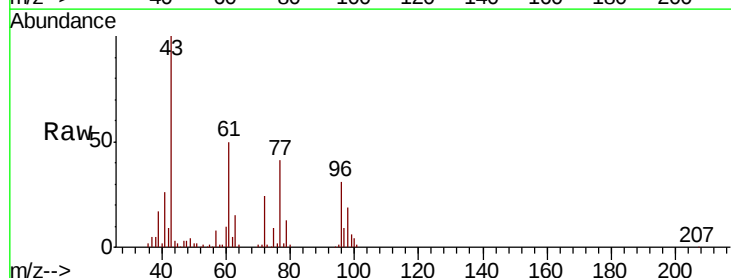
Acq: 24 Oct 2019 15:12

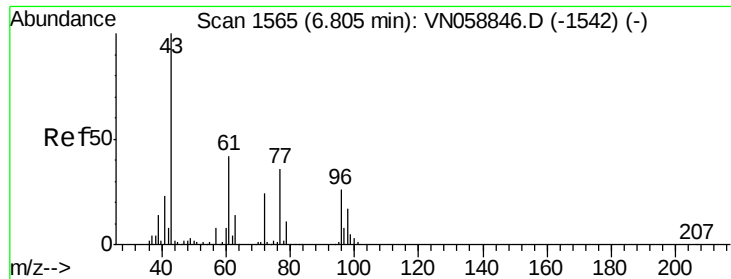
Tgt Ion: 77 Resp: 119576

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.034 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058961.D

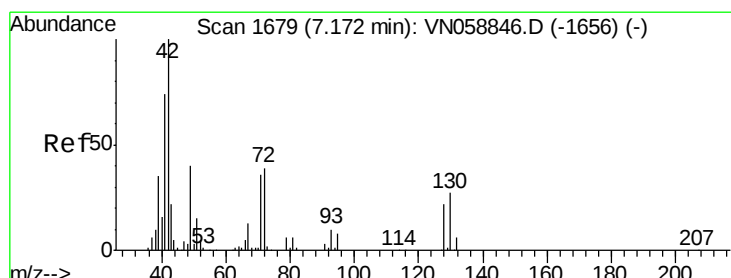
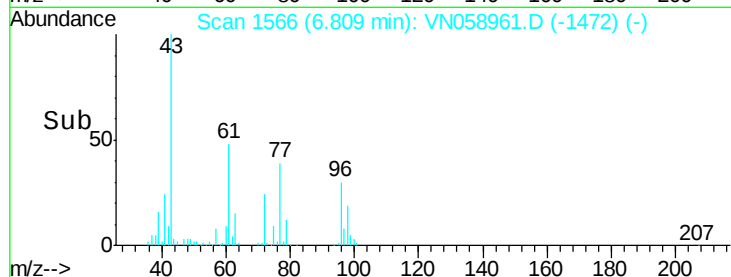
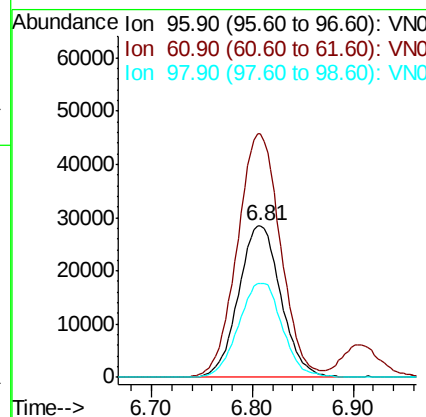
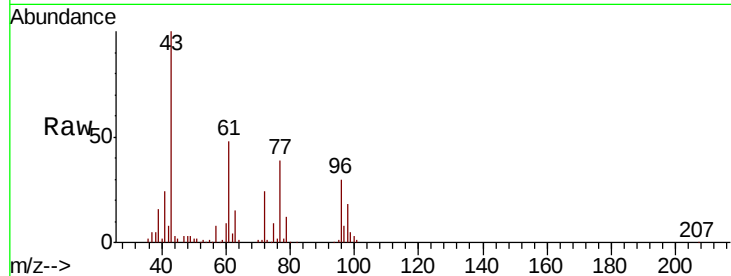
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	82878		
61	163.9		0.0	325.0
98	64.1		0.0	128.0

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#28

Bromochloromethane

Concen: 20.774 ug/l

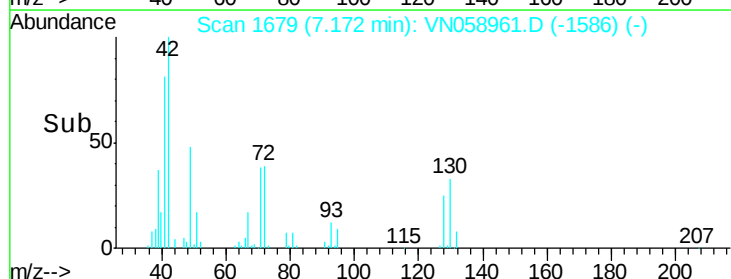
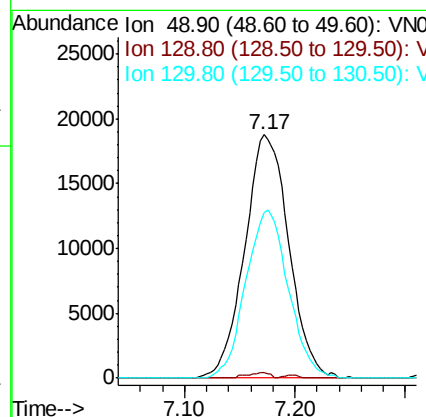
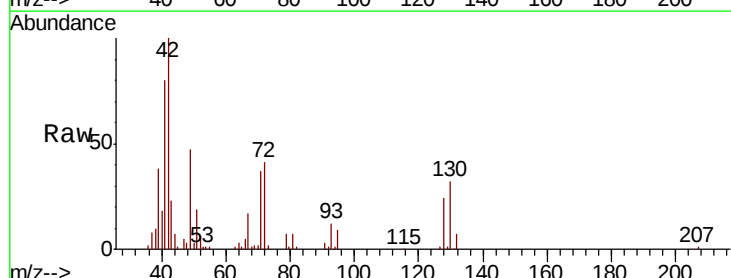
RT: 7.17 min Scan# 1679

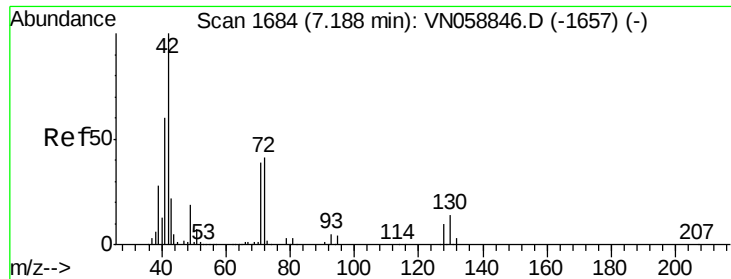
Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52068		
129	1.2		0.0	3.2
130	66.5		53.5	80.3





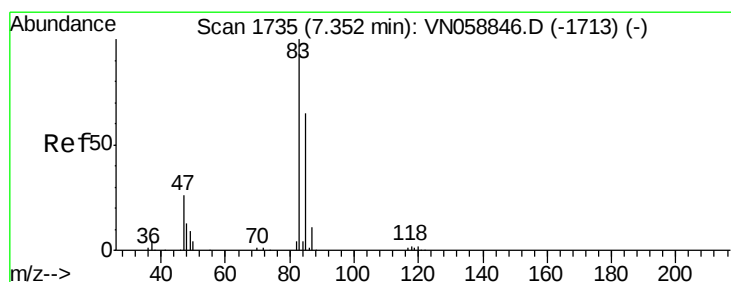
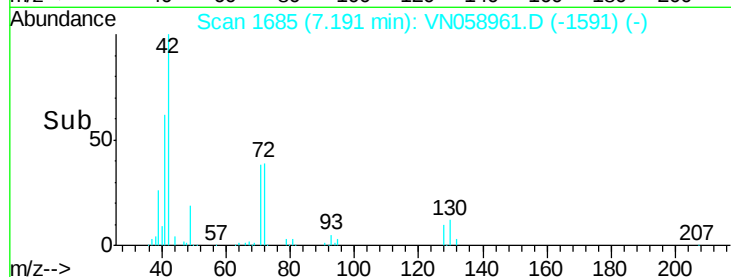
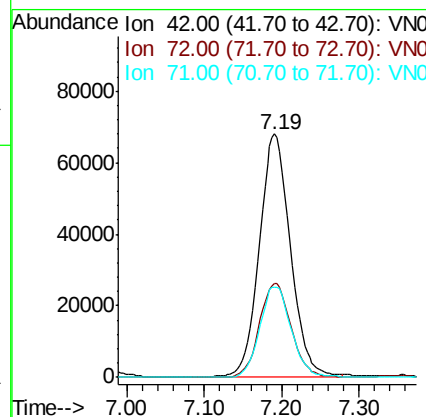
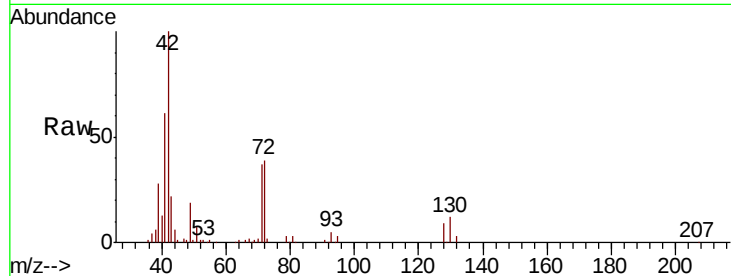
#29
Tetrahydrofuran
Concen: 100.323 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.2	48.2
71	37.6	30.6	45.8

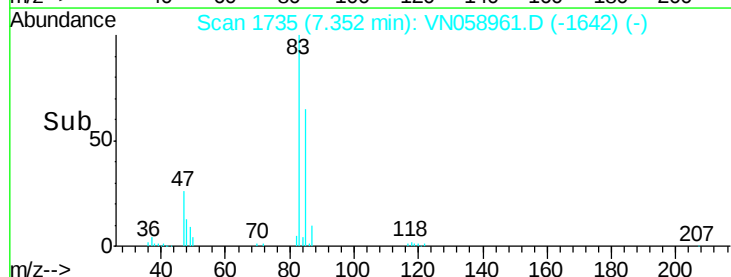
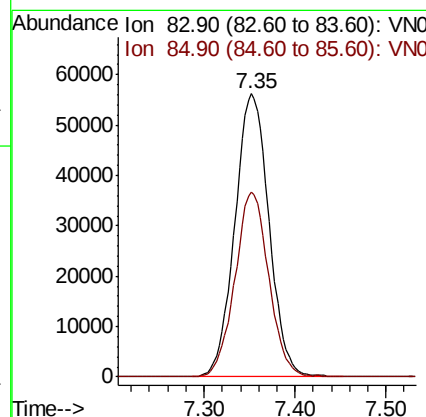
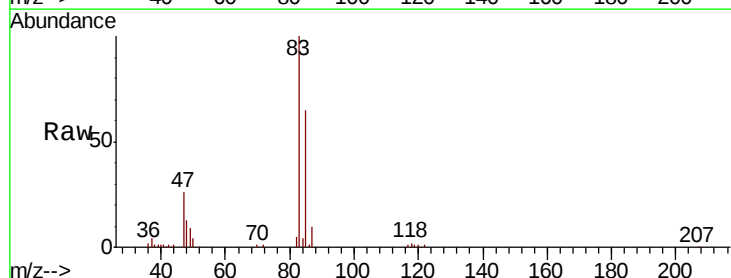
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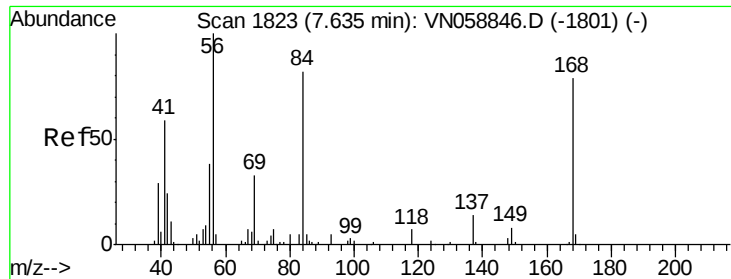
MMDadoda
10/26/2019 1:16:08 AM



#30
Chloroform
Concen: 19.399 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.9	77.9





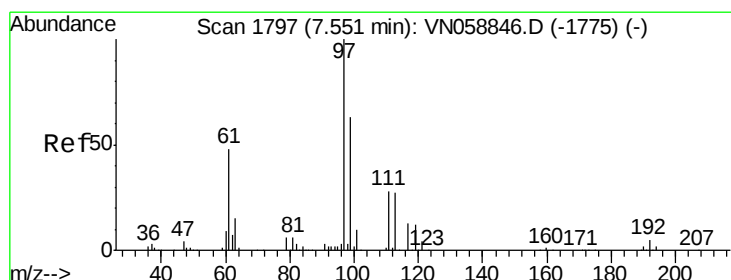
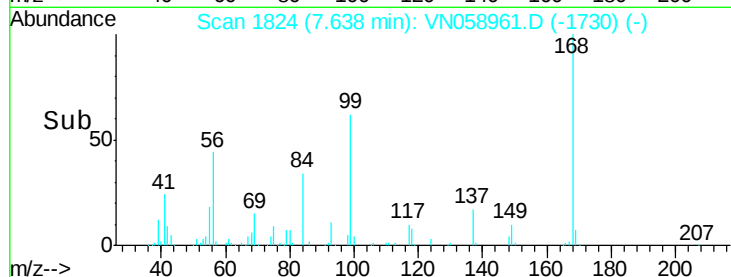
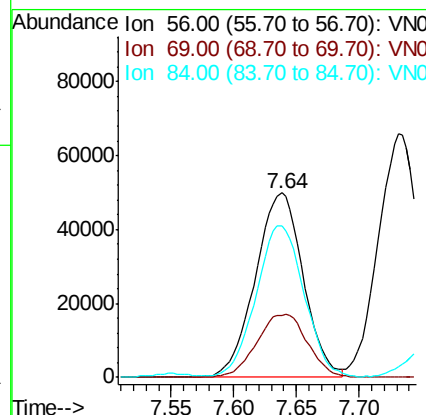
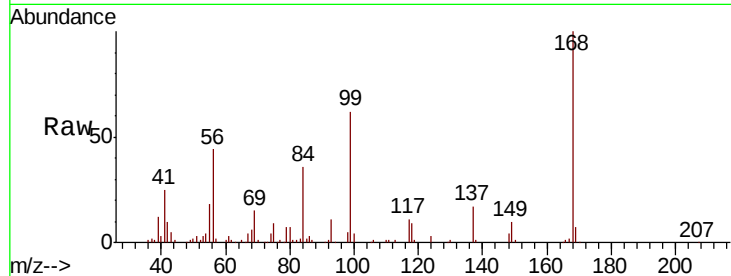
#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.2	39.4
84	80.7	65.6	98.4

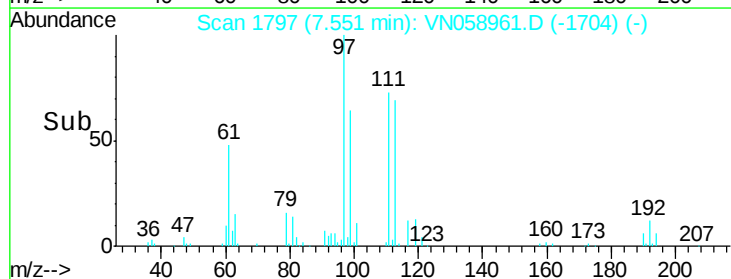
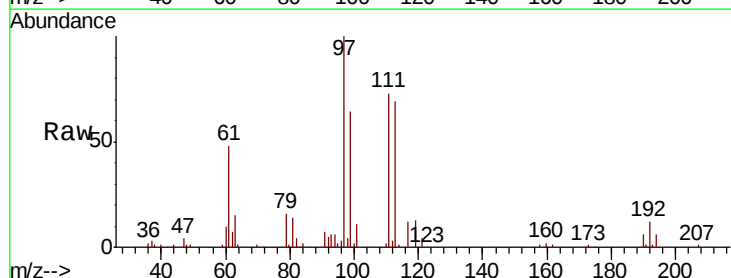
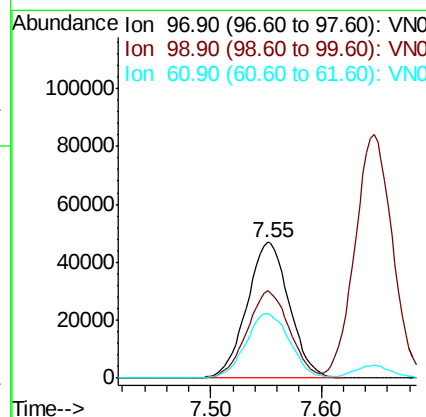
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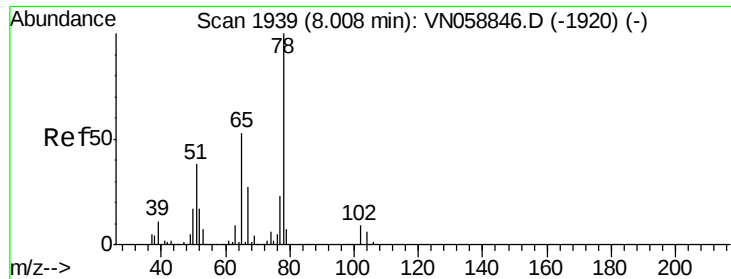
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10/26/2019 1:16:08 AM



#32
1,1,1-Trichloroethane
Concen: 19.636 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	49.3	38.6	58.0





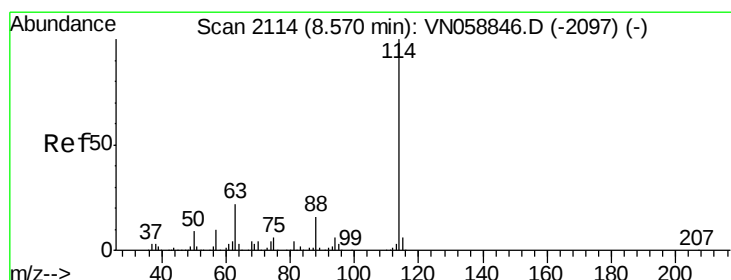
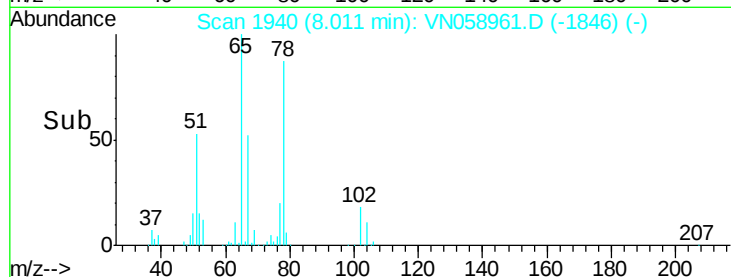
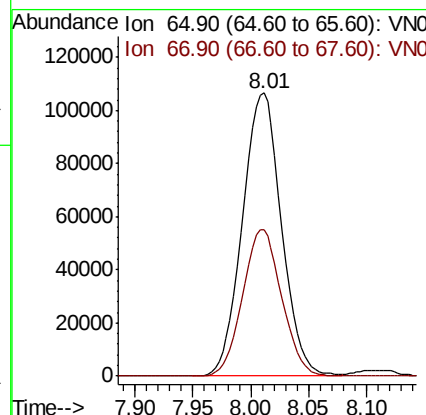
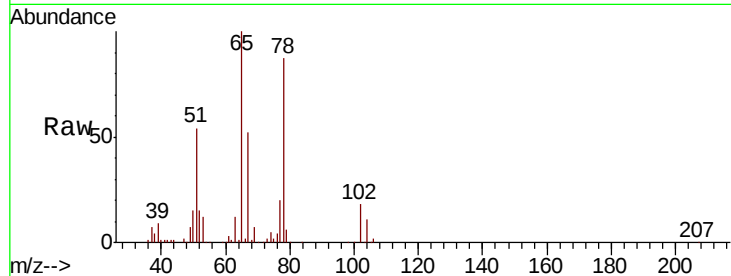
#33
 1,2-Dichloroethane-d4
 Concen: 51.157 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	249579		
67	51.7	0.0	103.2	

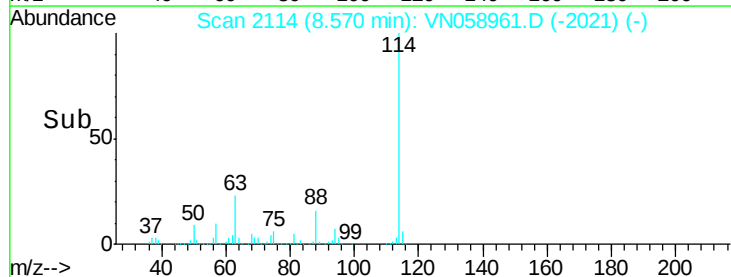
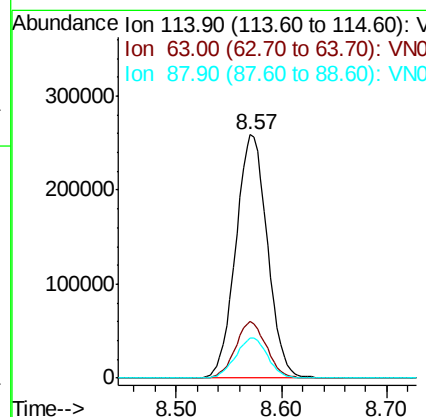
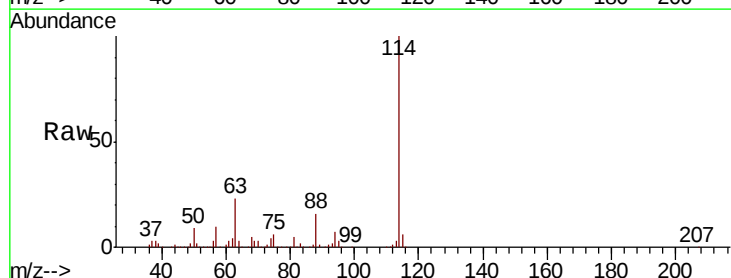
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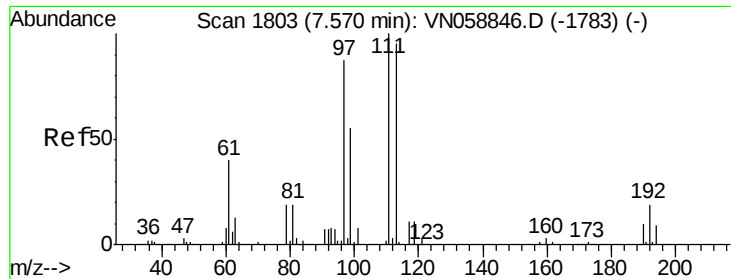
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 10/26/2019 1:16:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538019		
63	23.1	0.0	44.4	
88	16.3	0.0	31.4	





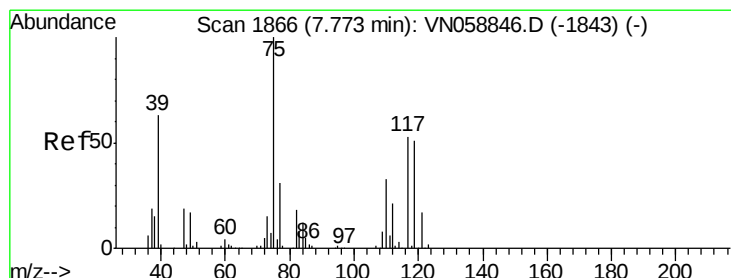
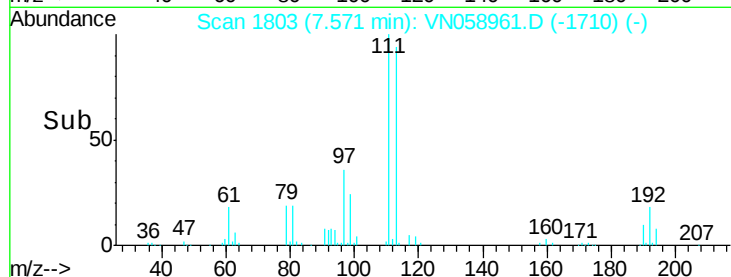
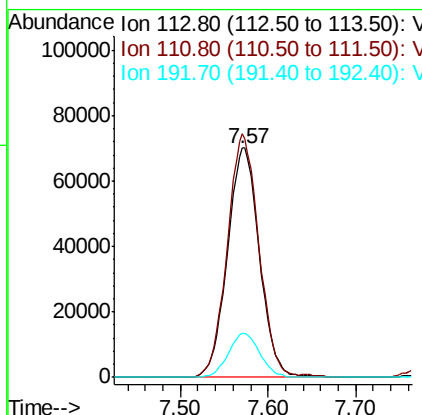
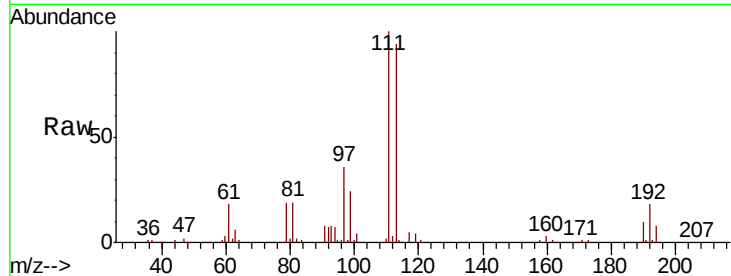
#35
 Dibromofluoromethane
 Concen: 50.273 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177833		
111	104.4	82.0	123.0	
192	18.9	15.0	22.6	

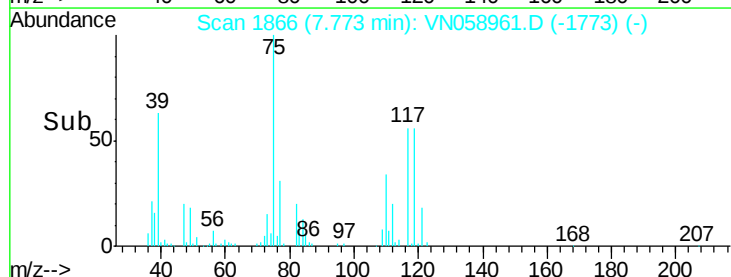
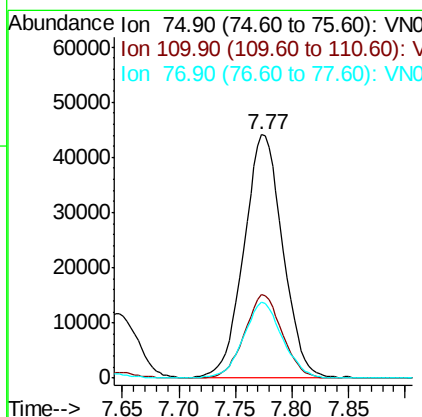
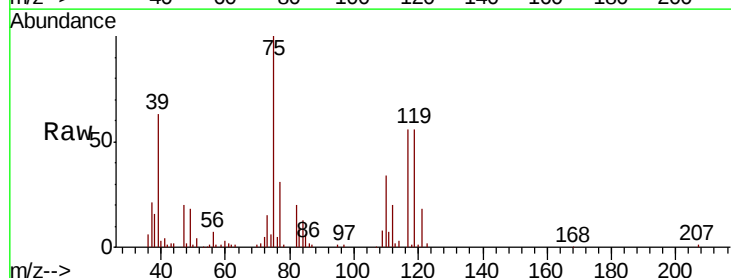
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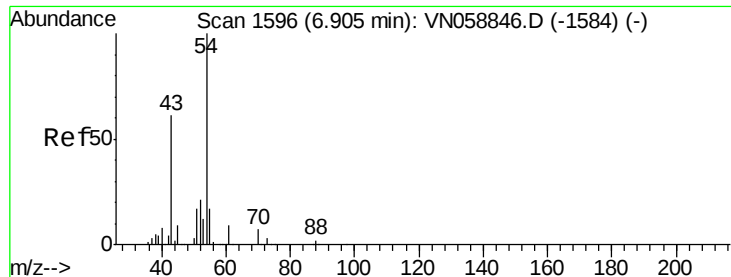
MMDadoda
 10/26/2019 1:16:08 AM



#36
 1,1-Dichloropropene
 Concen: 19.167 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105577		
110	33.0	16.3	48.9	
77	31.3	24.6	36.8	





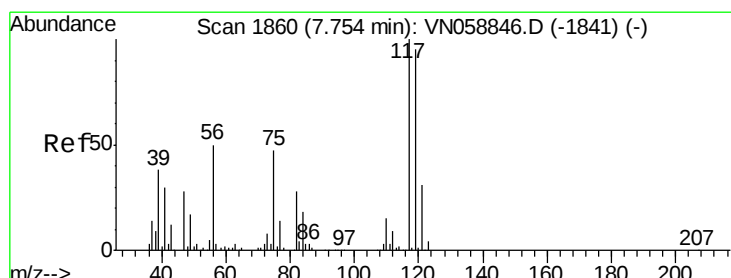
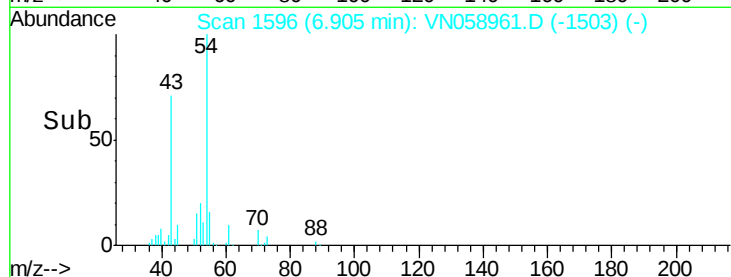
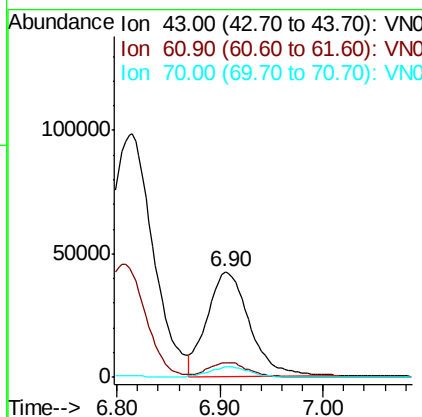
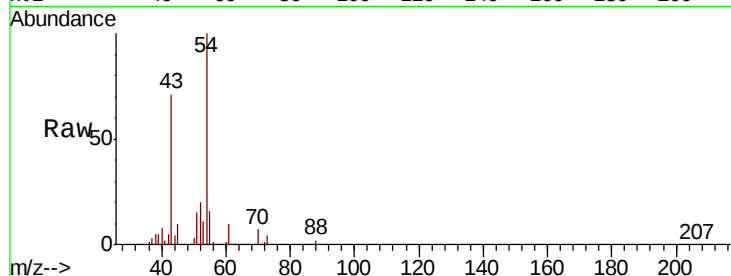
#37
Ethyl Acetate
Concen: 20.042 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	9.7	7.6	11.4

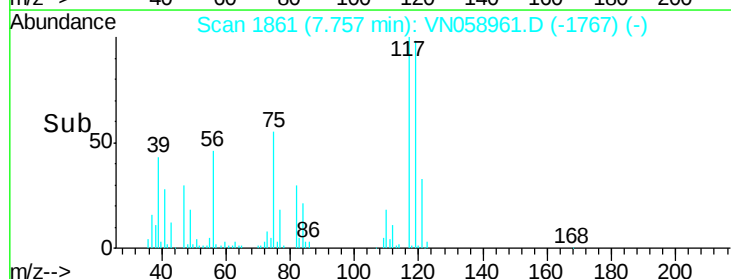
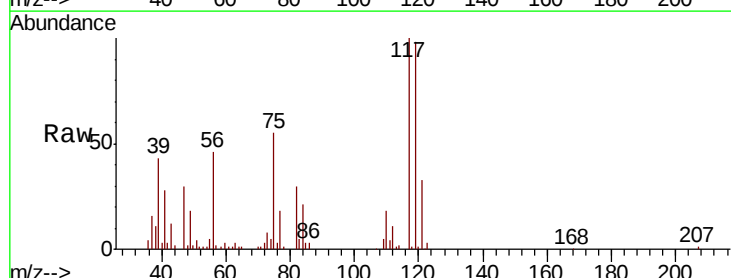
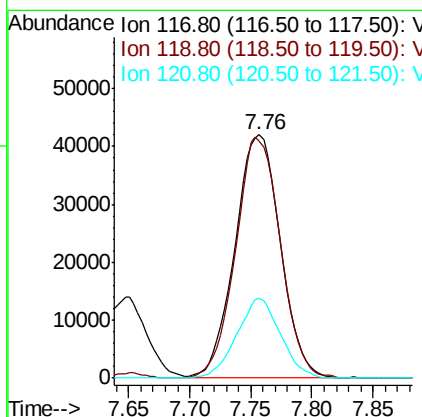
Manual Integrations
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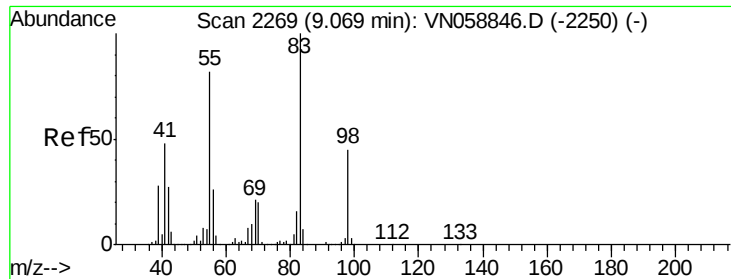
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.090 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
121	32.9	25.0	37.6





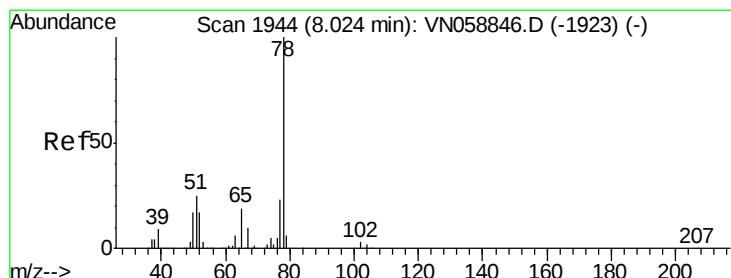
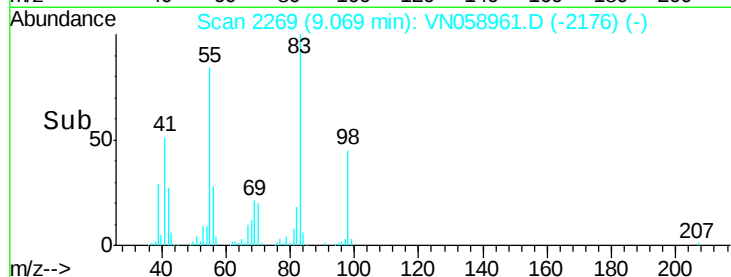
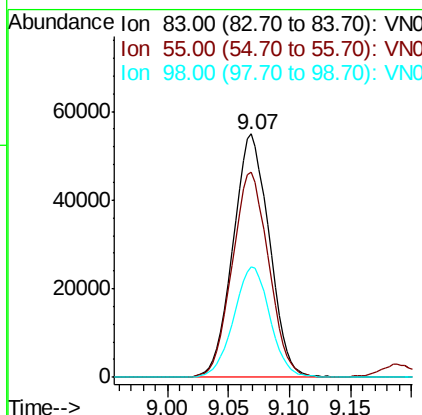
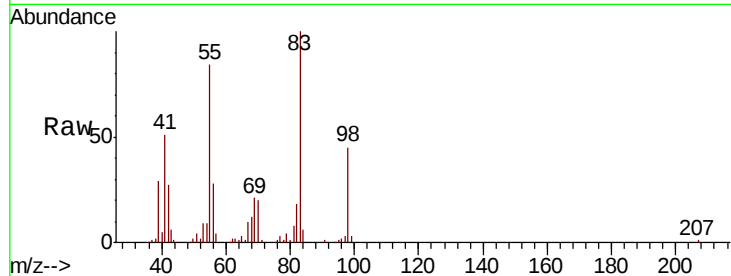
#39
Methvlcvclohexane
Concen: 18.309 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	65.5	98.3
98	45.4	35.7	53.5

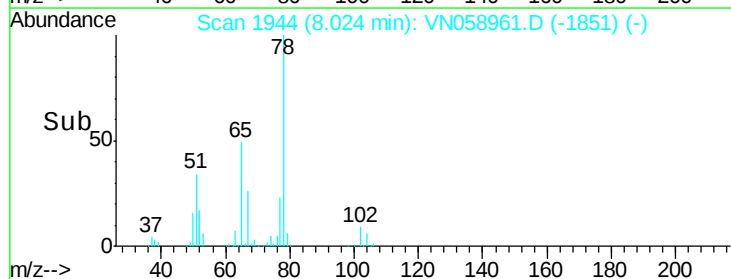
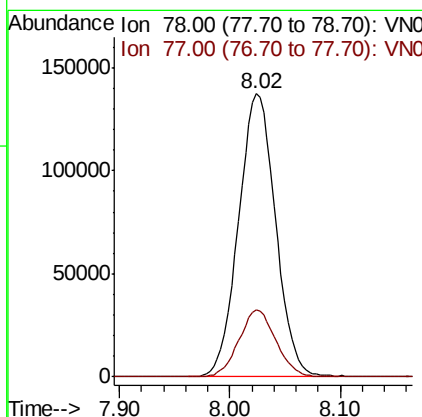
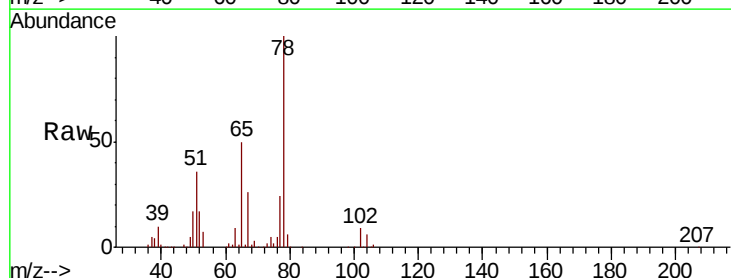
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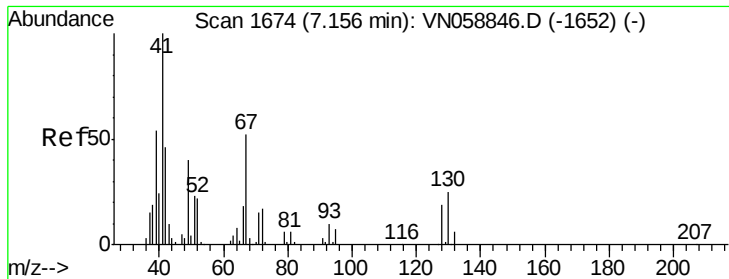
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#40
Benzene
Concen: 19.769 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.2





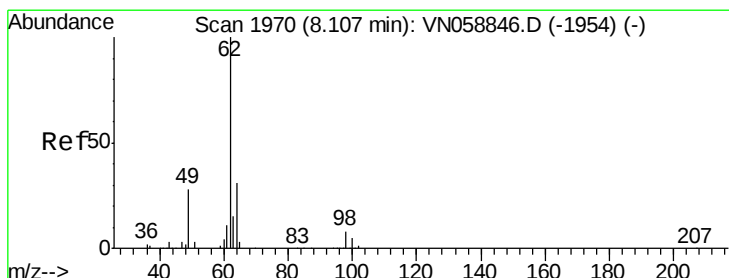
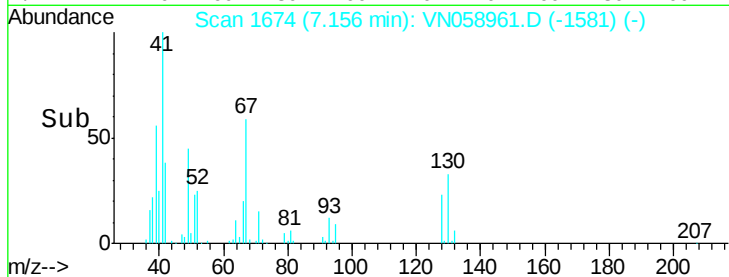
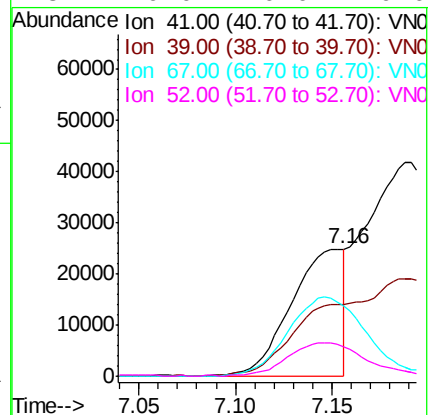
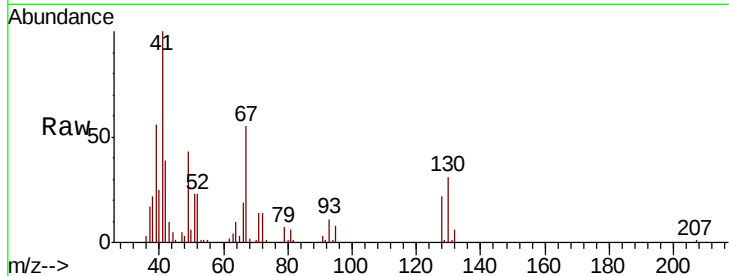
#41
Methacrylonitrile
Concen: 17.631 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	41	Resp	47129
Ion	Ratio	Lower	Upper
41	100		
39	187.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

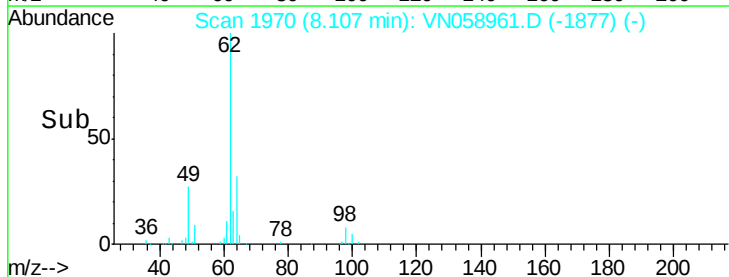
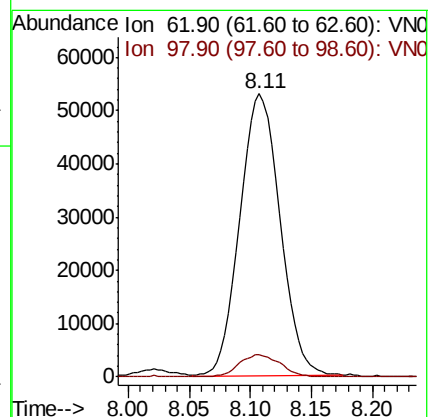
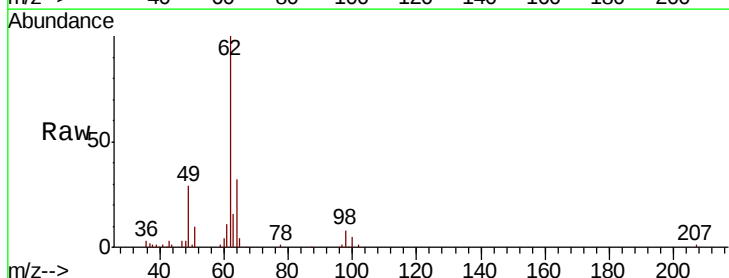
Manual Integrations
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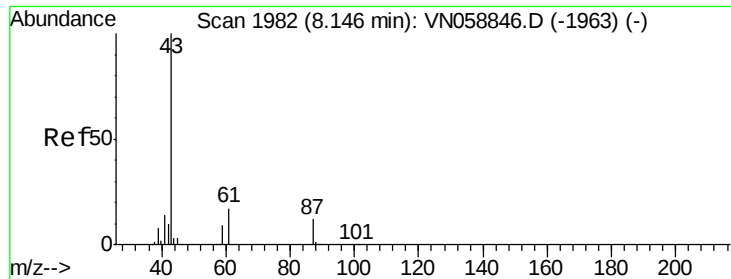
MMDadoda
10/26/2019 1:16:08 AM



#42
1,2-Dichloroethane
Concen: 19.446 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	62	Resp	121164
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





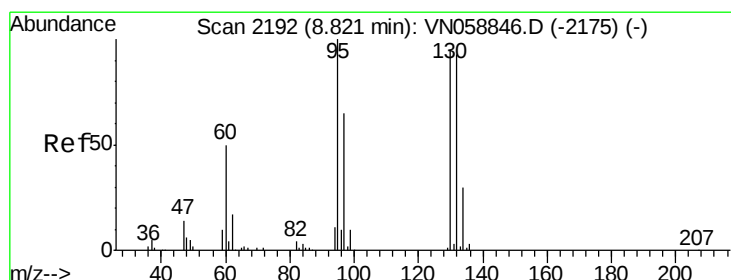
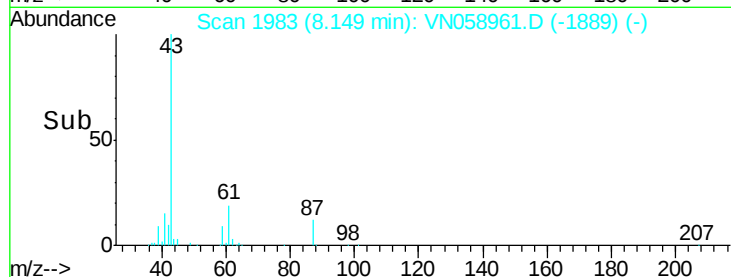
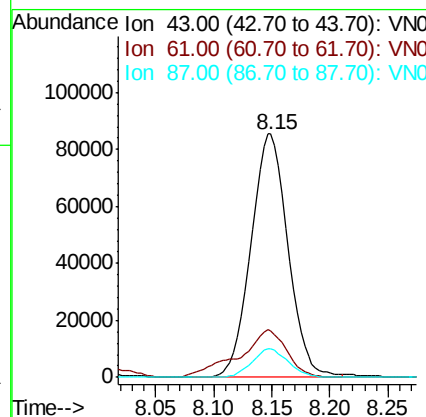
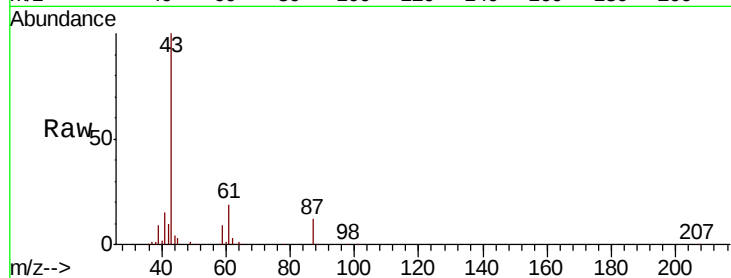
#43
Isopropyl Acetate
Concen: 19.750 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.2	30.2
87	11.4	9.5	14.3

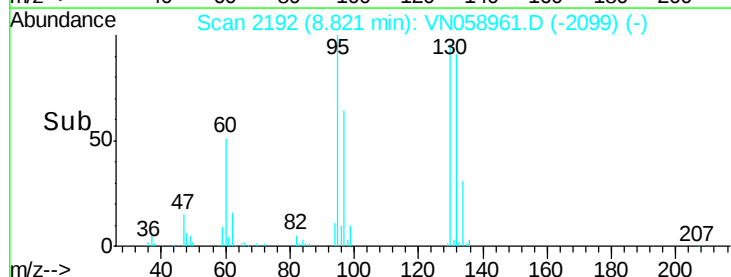
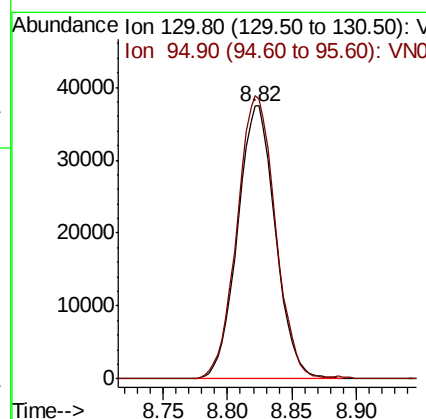
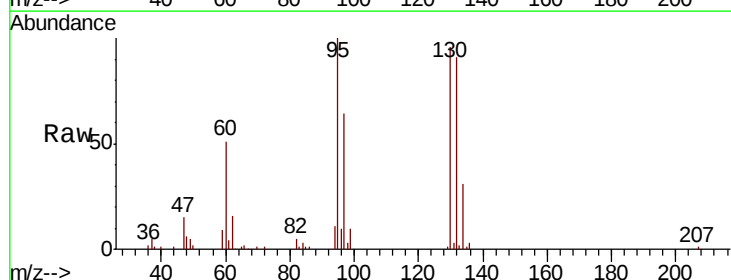
Manual Integrations
APPROVED

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#44
Trichloroethene
Concen: 19.373 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 20.025 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 63 Resp: 88817

Ion Ratio Lower Upper

63 100

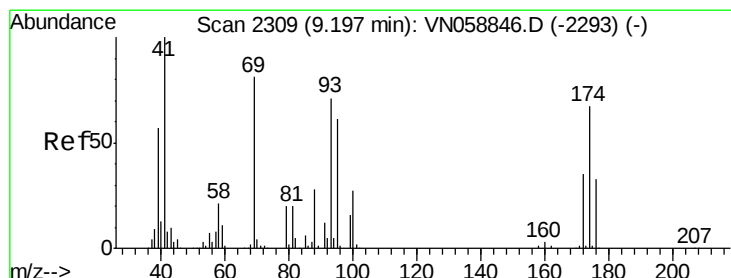
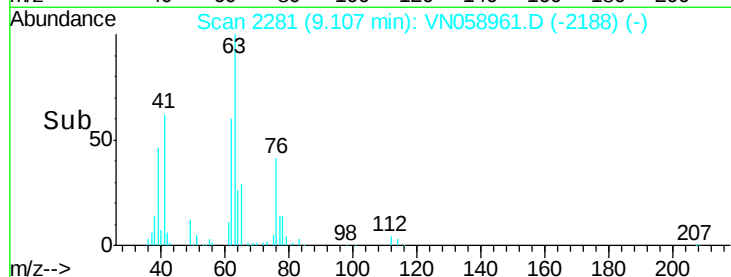
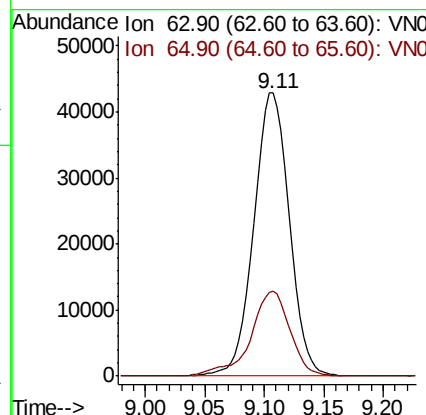
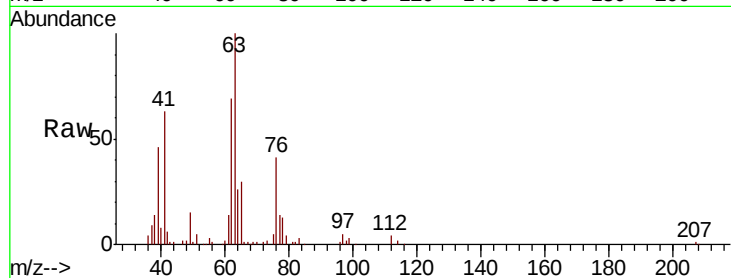
65 30.1 24.5 36.7

Manual Integrations

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10/26/2019 1:16:08 AM



#46

Dibromomethane

Concen: 20.030 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

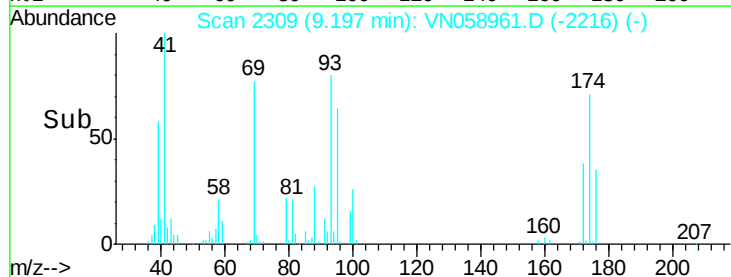
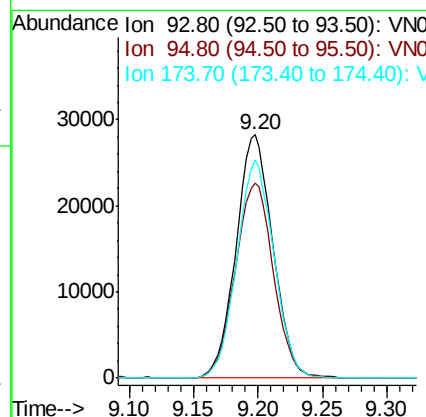
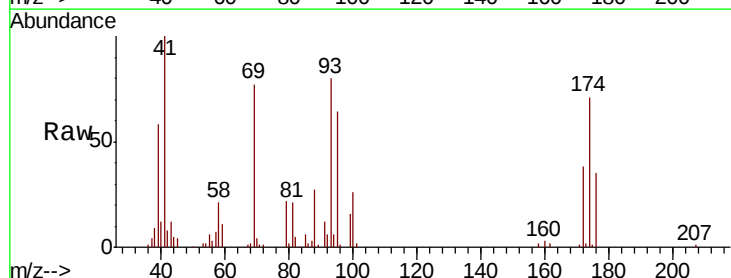
Tgt Ion: 93 Resp: 56163

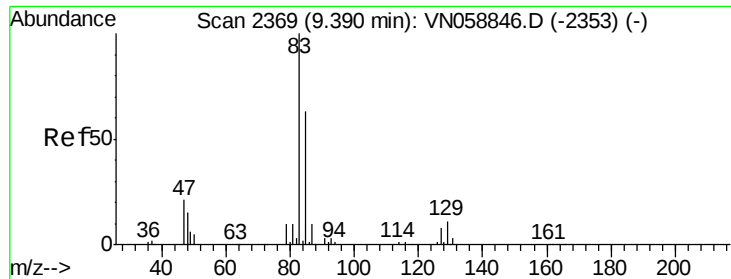
Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

174 89.9 74.1 111.1





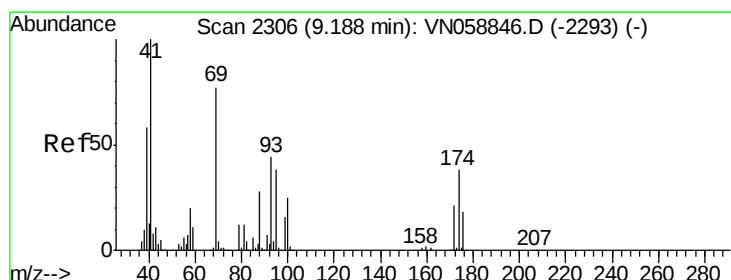
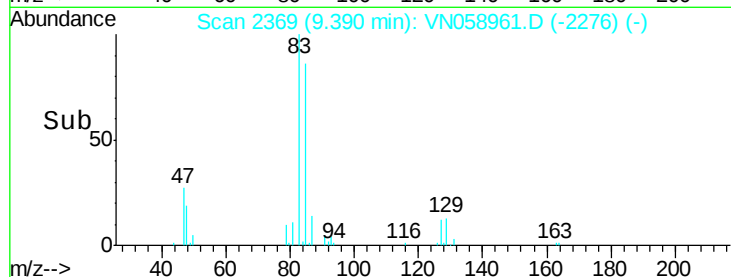
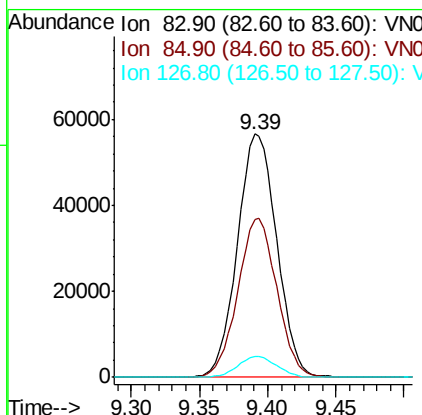
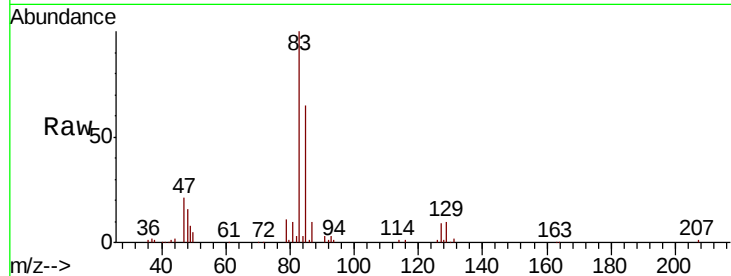
#47
Bromodichloromethane
Concen: 19.618 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	83	Resp	113372
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.6	75.8
127	8.7	6.5	9.7

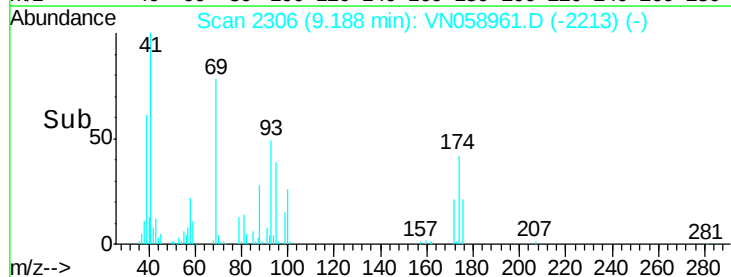
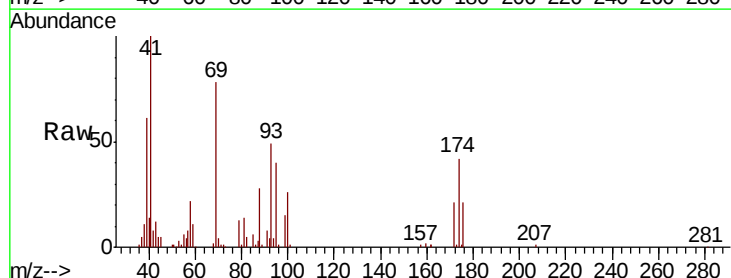
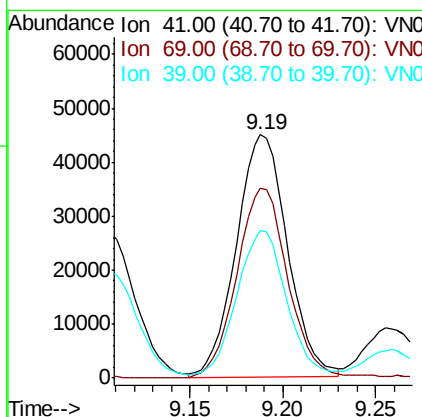
Manual Integrations
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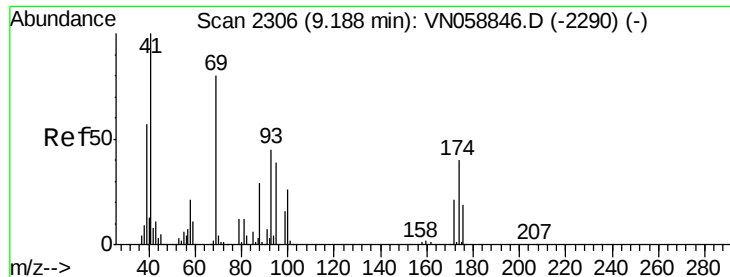
MMDadoda
10/26/2019 1:16:08 AM



#48
Methyl methacrylate
Concen: 19.762 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	41	Resp	86306
Ion Ratio	100	Lower	Upper
41	100		
69	78.7	63.8	95.6
39	59.4	47.8	71.8





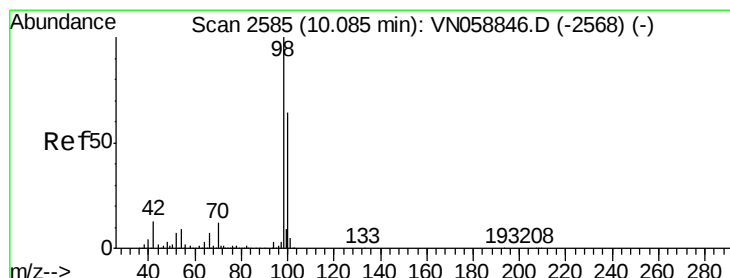
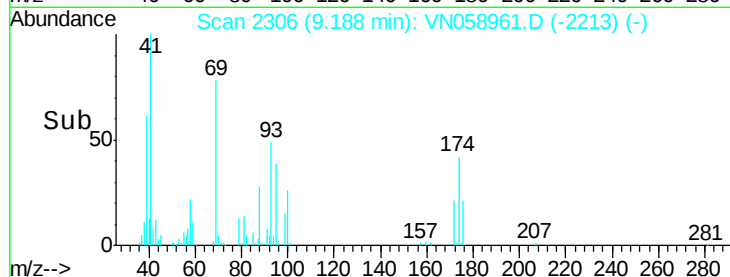
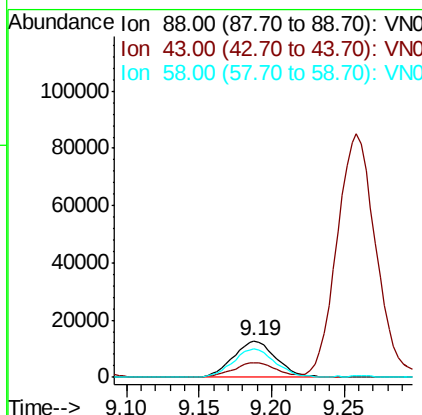
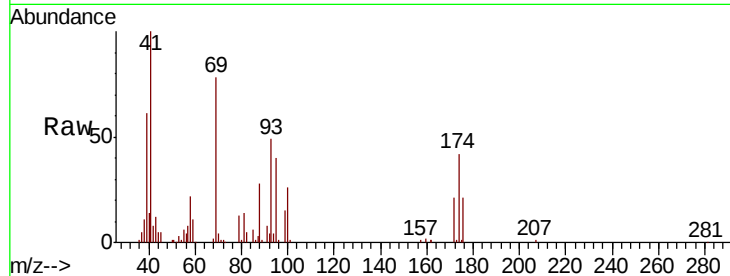
#49
1,4-Dioxane
Concen: 366.926 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	29.1	43.7
58	76.6	59.4	89.0

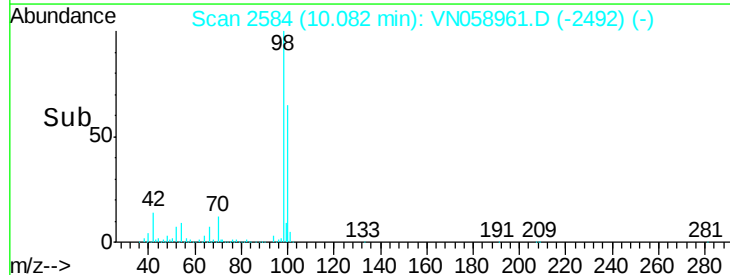
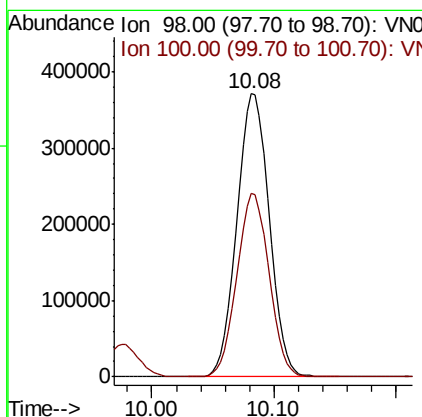
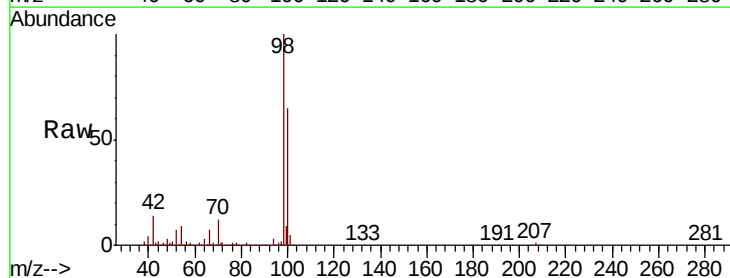
Manual Integrations
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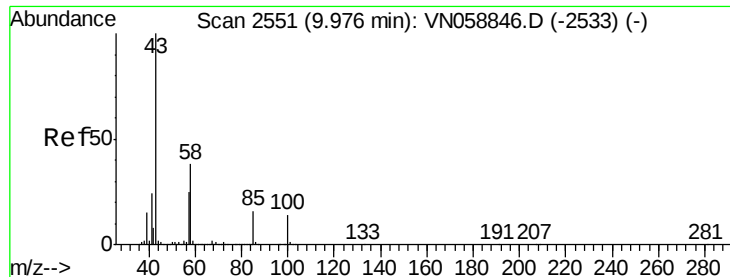
MMDadoda
10/26/2019 1:16:08 AM



#50
Toluene-d8
Concen: 49.569 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 106.357 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 43 Resp: 597967

Ion Ratio Lower Upper

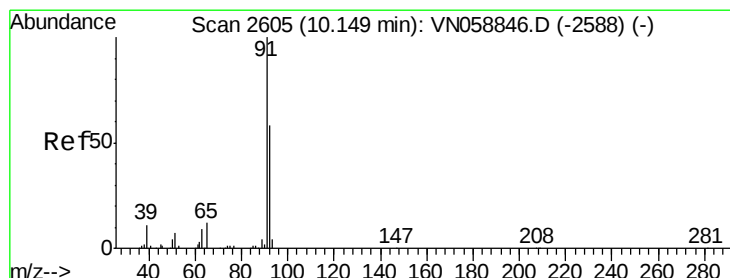
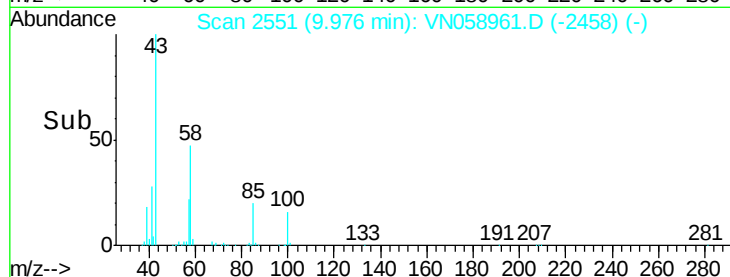
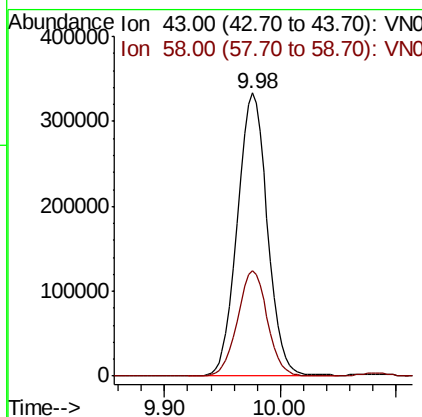
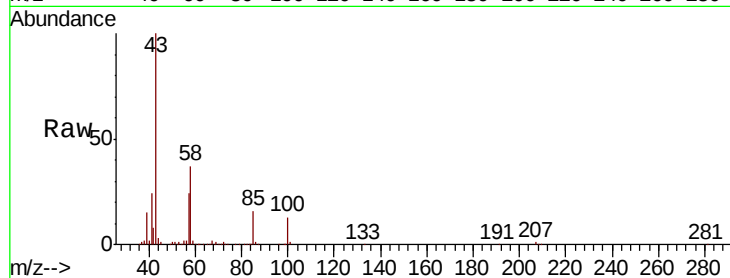
43 100

58 37.0 29.9 44.9

Manual Integrations
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#52

Toluene

Concen: 20.311 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058961.D

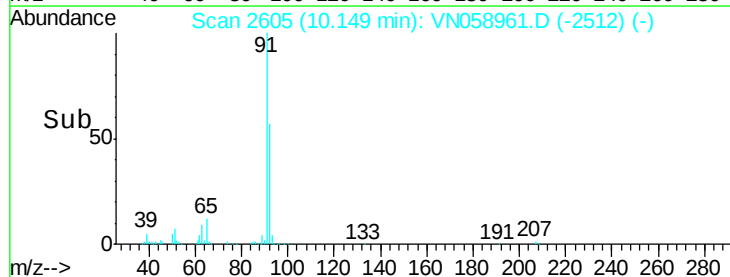
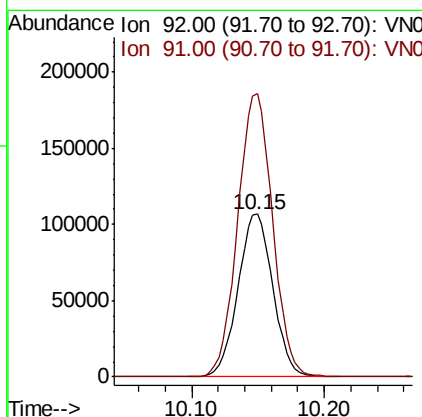
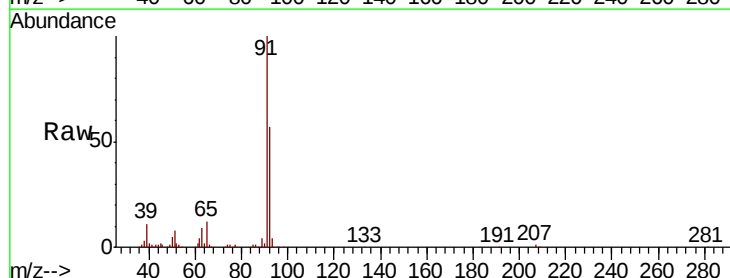
Acq: 24 Oct 2019 15:12

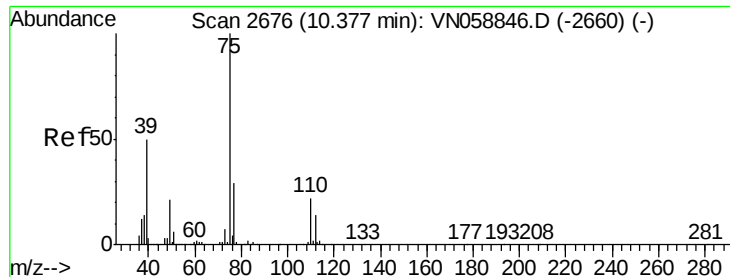
Tgt Ion: 92 Resp: 194824

Ion Ratio Lower Upper

92 100

91 175.1 138.9 208.3





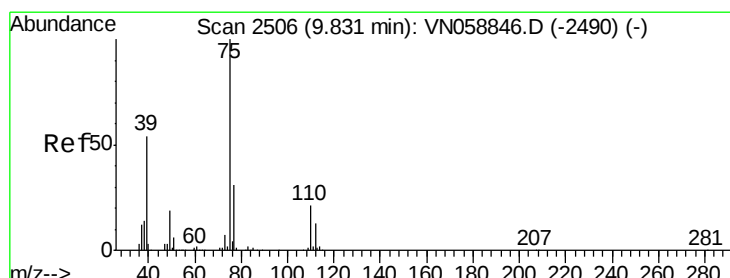
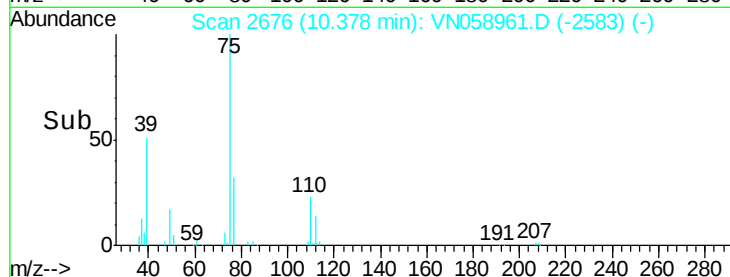
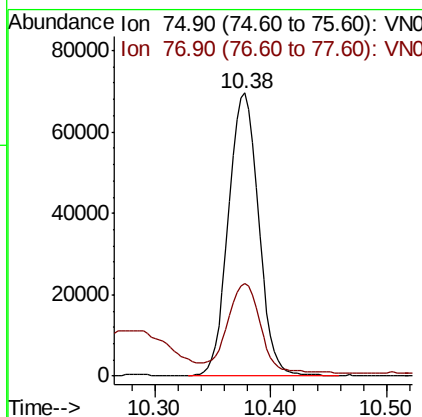
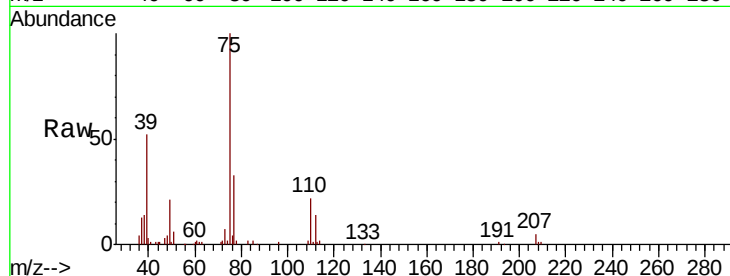
#53
t-1,3-Dichloropropene
Concen: 19.601 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

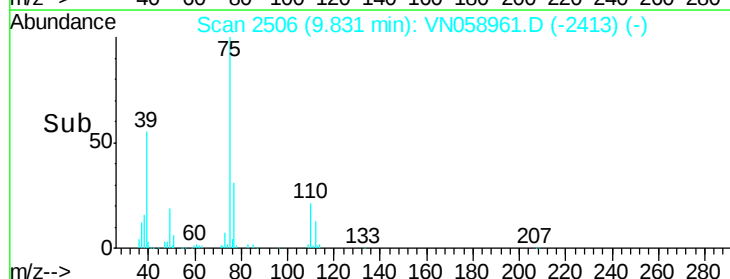
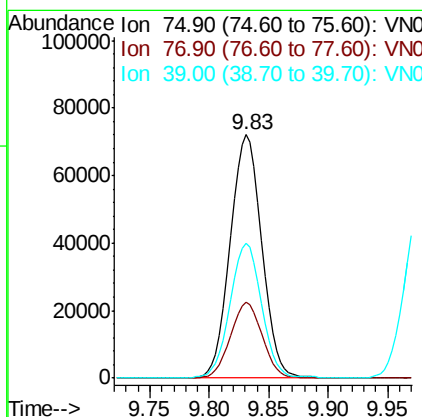
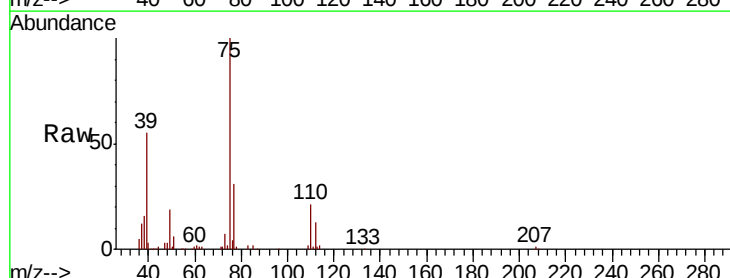
Manual Integrations
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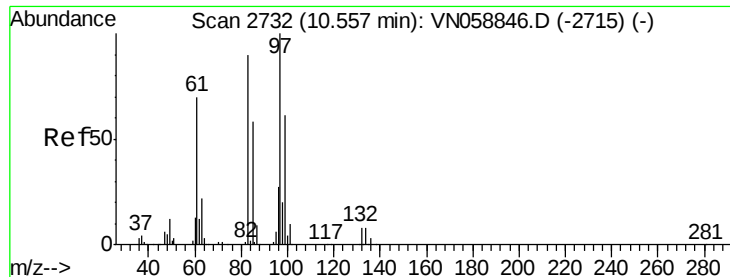
MMDadoda
10/26/2019 1:16:08 AM



#54
cis-1,3-Dichloropropene
Concen: 19.465 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	55.2	43.5	65.3





#55

1,1,2-Trichloroethane

Concen: 19.657 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

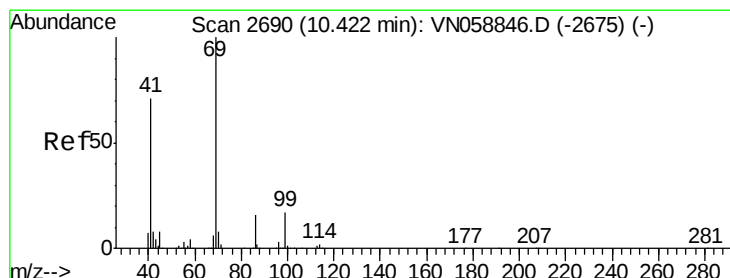
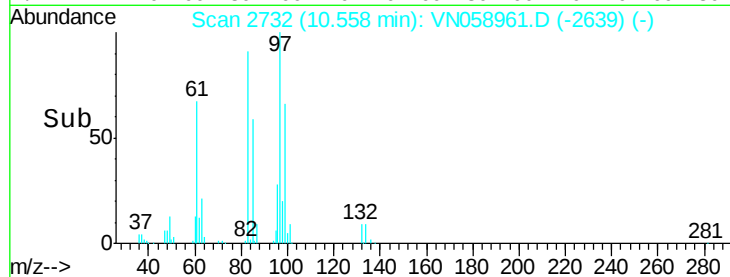
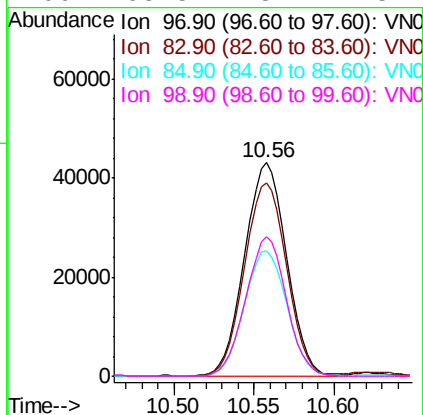
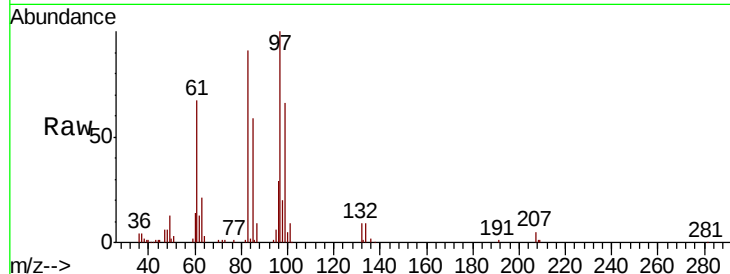
ClientSampleId :

VN1025WBSD02

Tot Ion:	97	Resp:	77674
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.2	108.4
85	59.0	46.2	69.2
99	65.5	48.7	73.1

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#56

Ethyl methacrylate

Concen: 18.508 ug/l

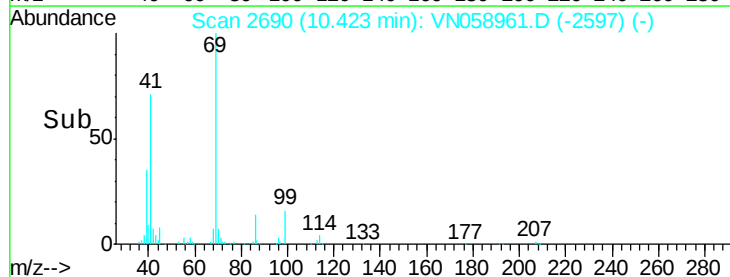
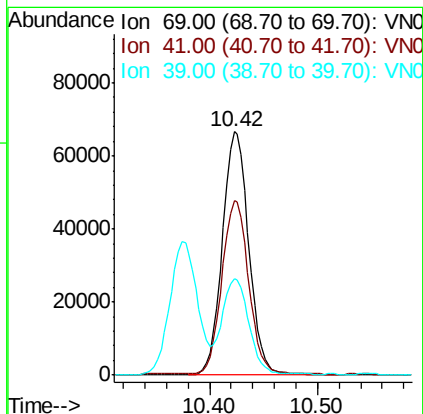
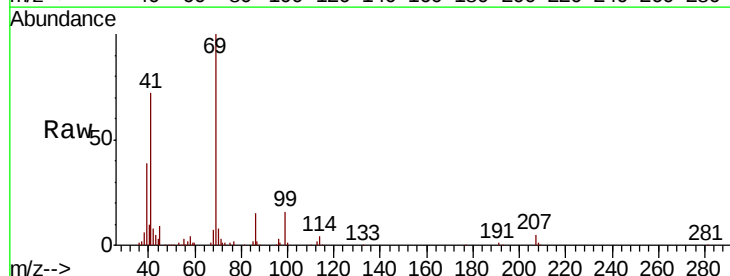
RT: 10.42 min Scan# 2690

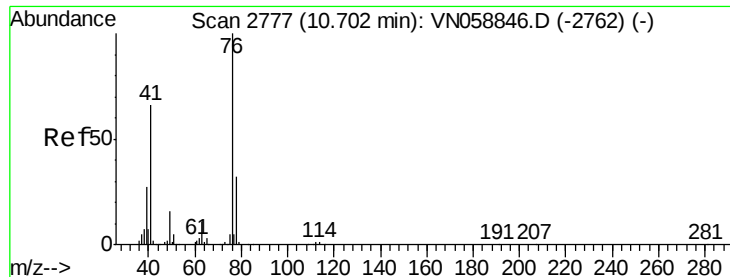
Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion:	69	Resp:	113694
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.2	85.8
39	38.9	31.0	46.4





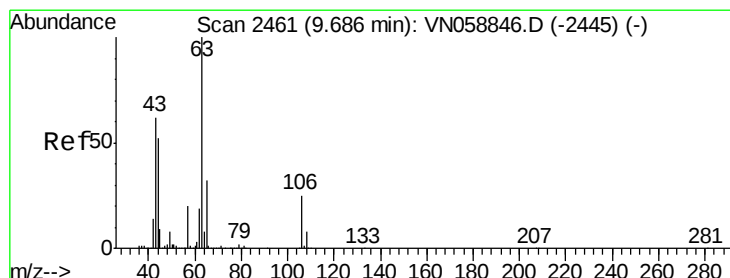
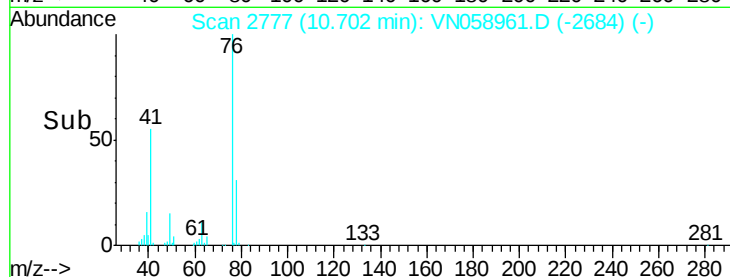
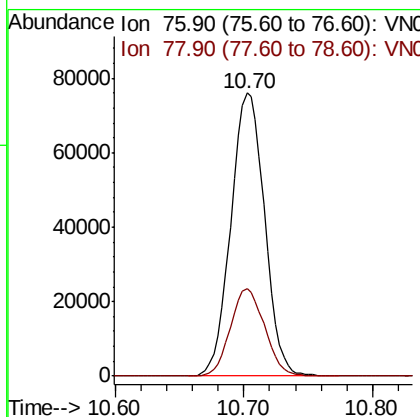
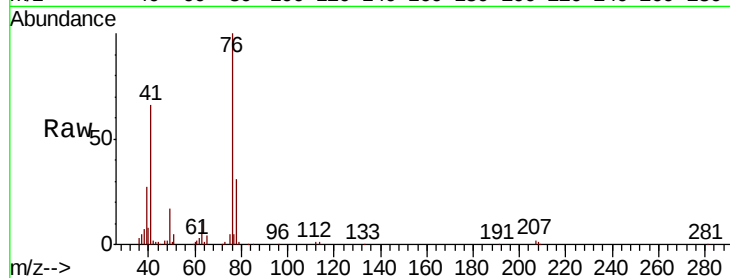
#57
 1,3-Dichloropropane
 Concen: 19.902 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.4	38.0

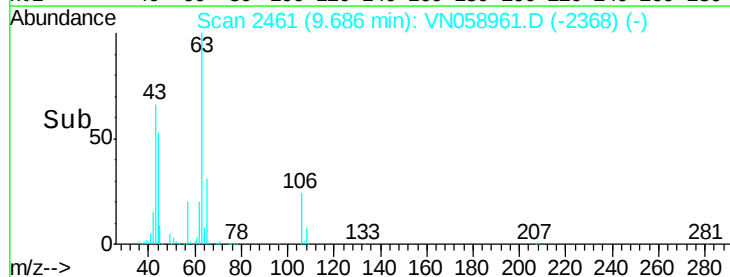
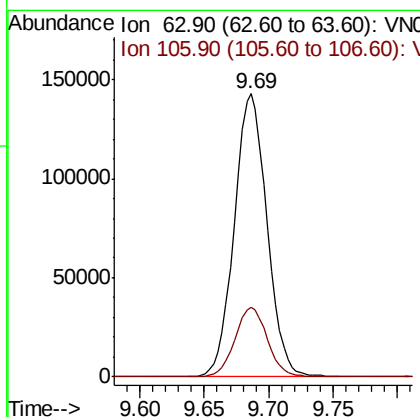
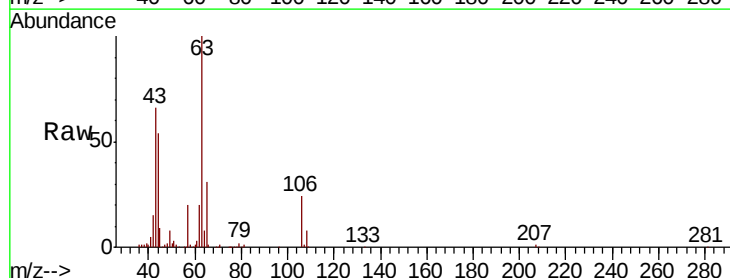
Manual Integrations
 APPROVED

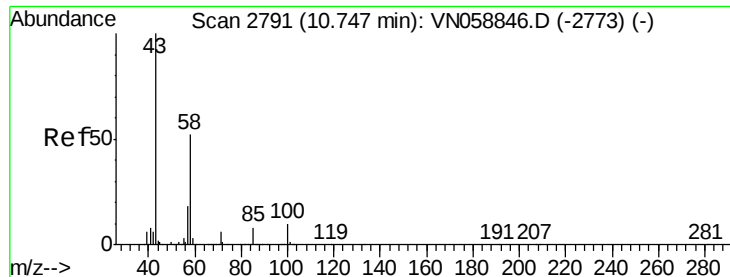
MMDadoda
 10/26/2019 1:16:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.289 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.8	29.8





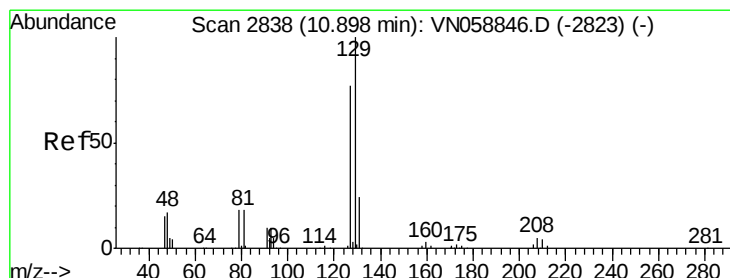
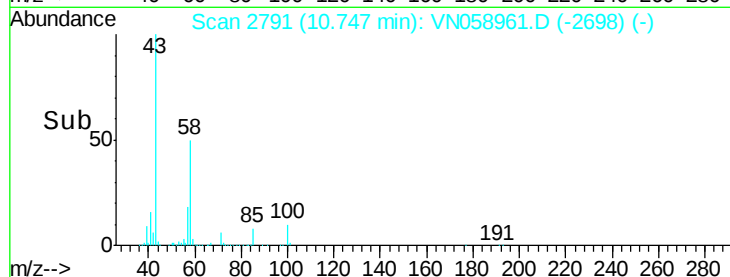
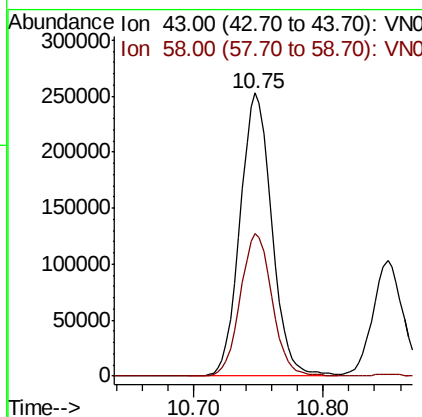
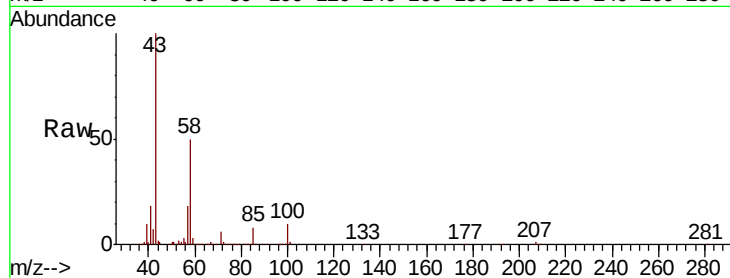
#59
2-Hexanone
Concen: 99.425 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 43 Resp: 431953
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7

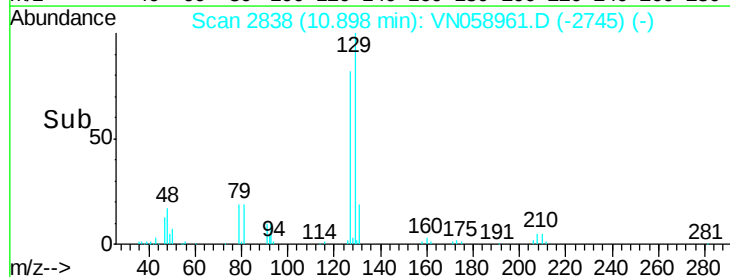
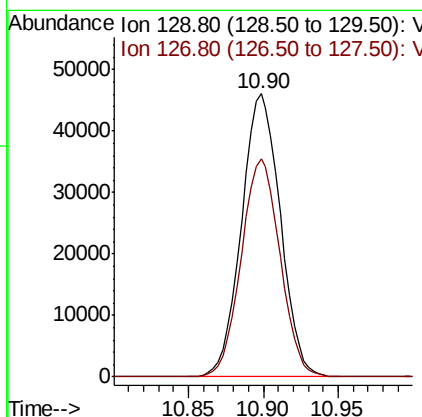
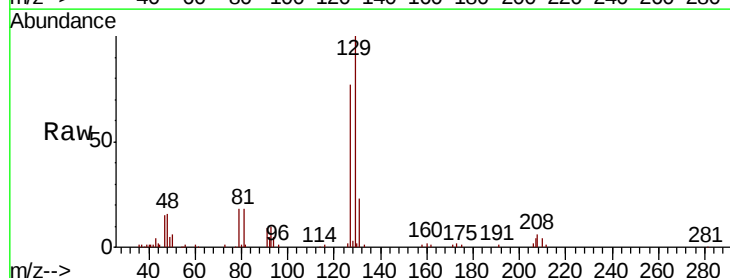
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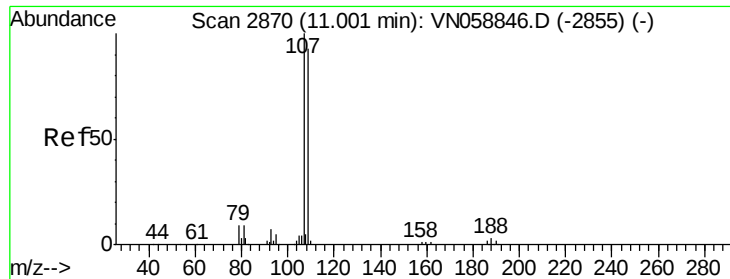
MMDadoda
10/26/2019 1:16:08 AM



#60
Dibromochloromethane
Concen: 19.598 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 129 Resp: 83353
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





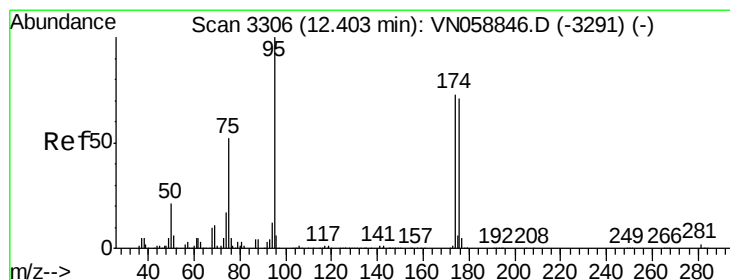
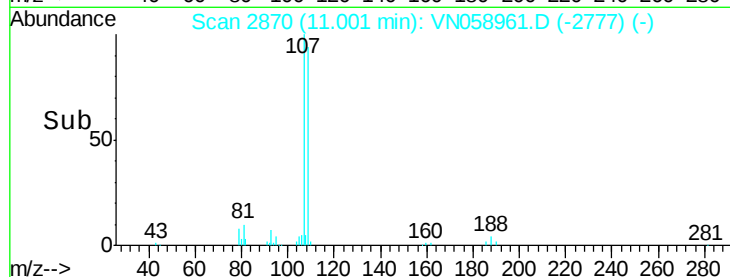
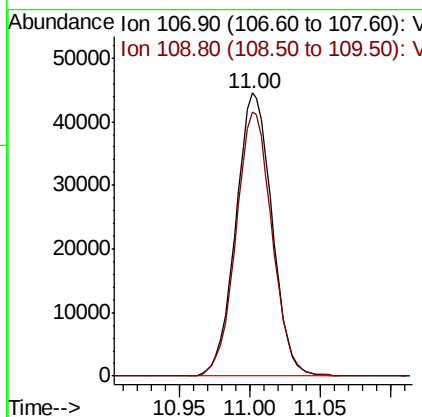
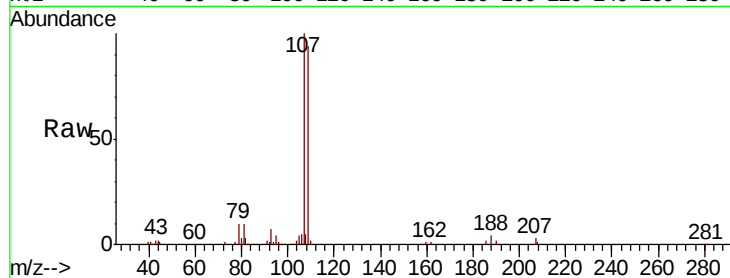
#61
 1,2-Dibromoethane
 Concen: 19.768 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.2	112.8

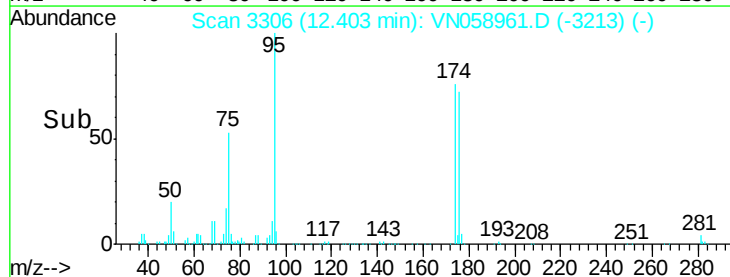
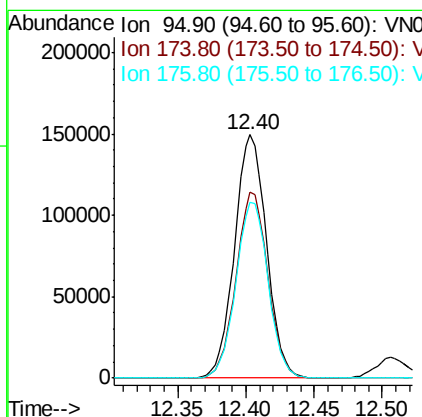
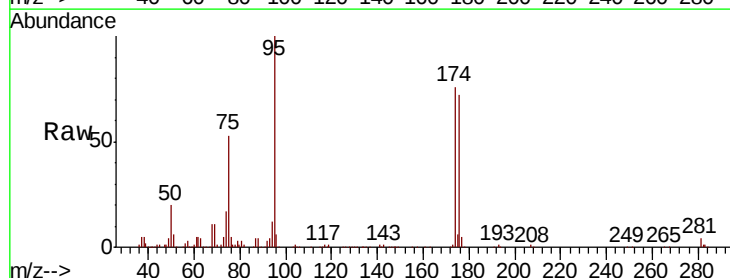
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.323 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	147.6
176	72.9	0.0	143.2





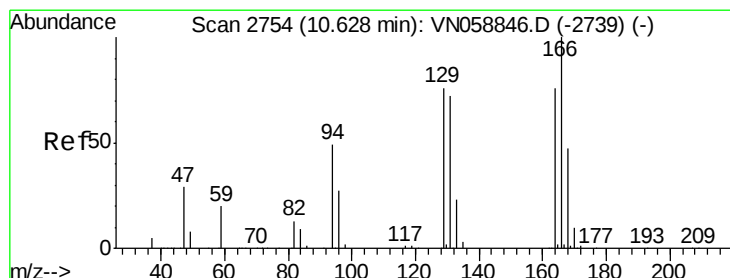
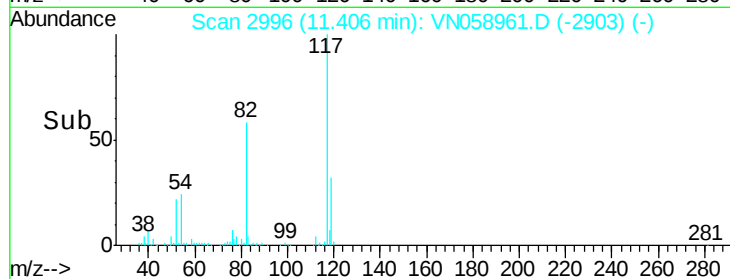
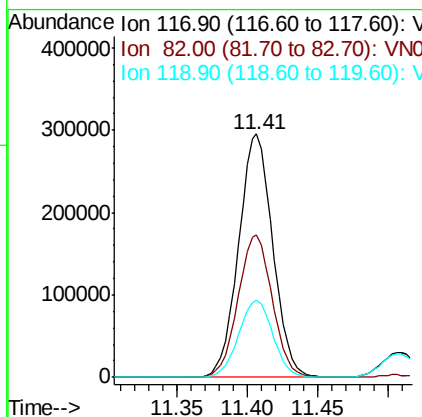
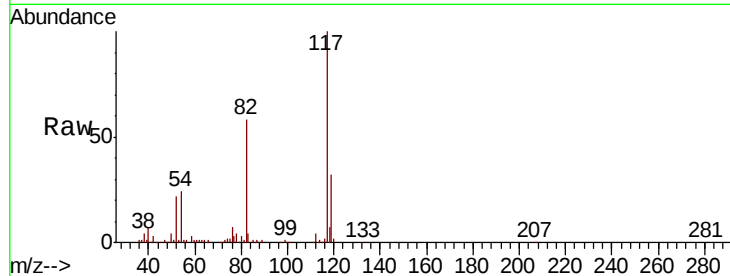
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.6	69.8
119	31.8	25.6	38.4

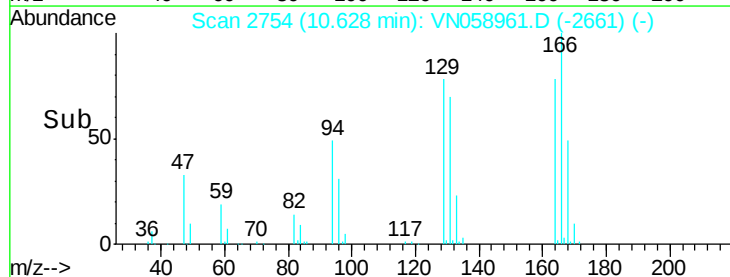
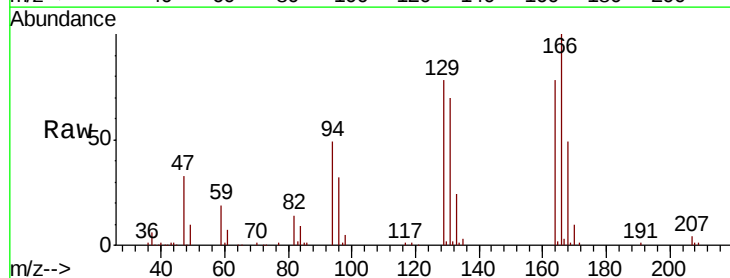
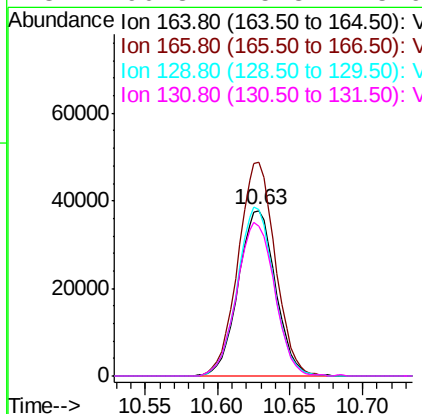
Manual Integrations
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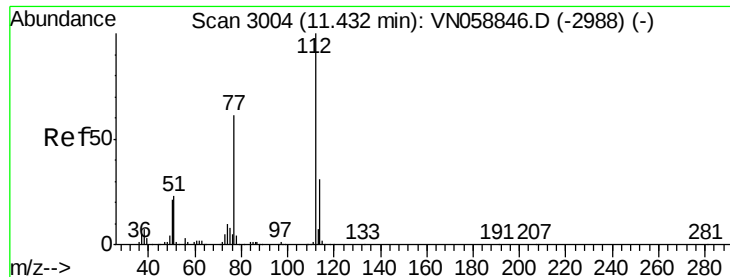
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#64
Tetrachloroethene
Concen: 19.230 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.8	157.2
129	100.3	79.3	118.9
131	90.3	75.8	113.6





#65

Chlorobenzene

Concen: 19.779 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion:112 Resp: 202134

Ion Ratio Lower Upper

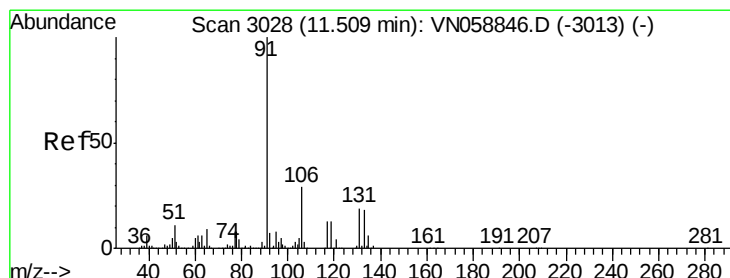
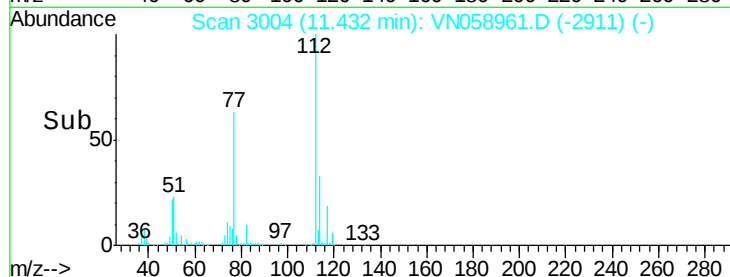
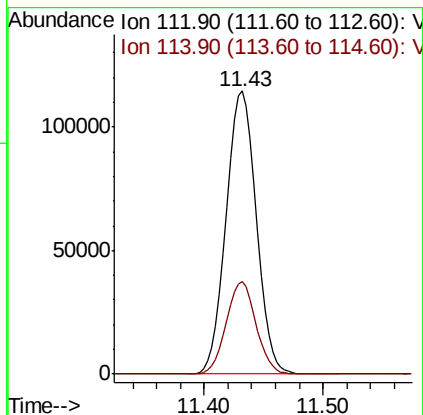
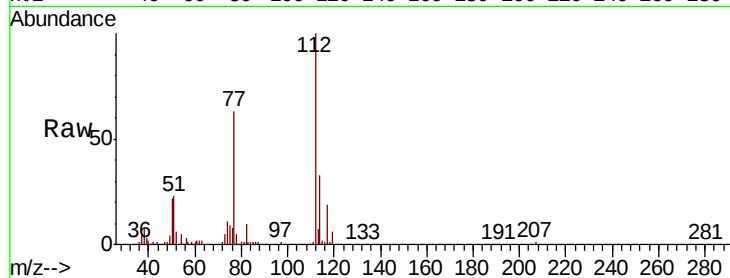
112 100

114 32.7 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.914 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

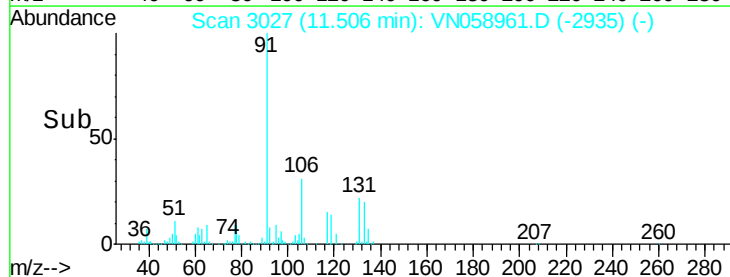
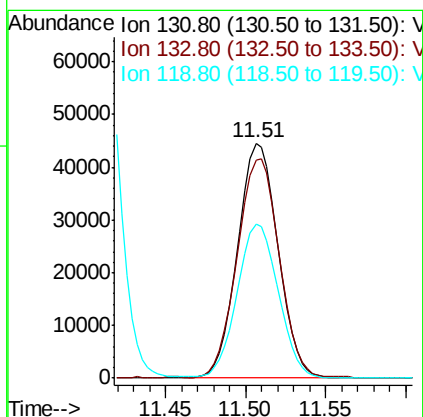
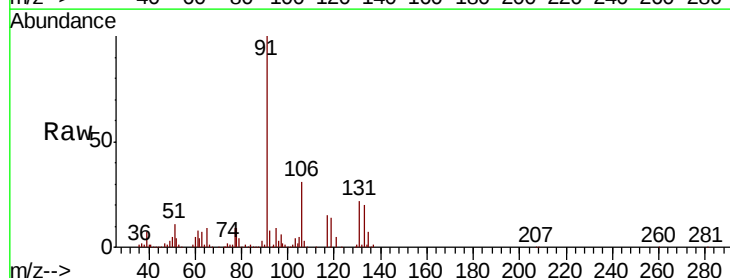
Tgt Ion:131 Resp: 76800

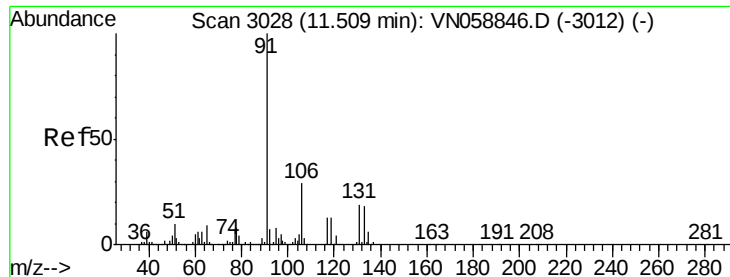
Ion Ratio Lower Upper

131 100

133 96.1 48.4 145.2

119 66.9 33.6 100.8





#67

Ethyl Benzene

Concen: 20.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 91 Resp: 361668

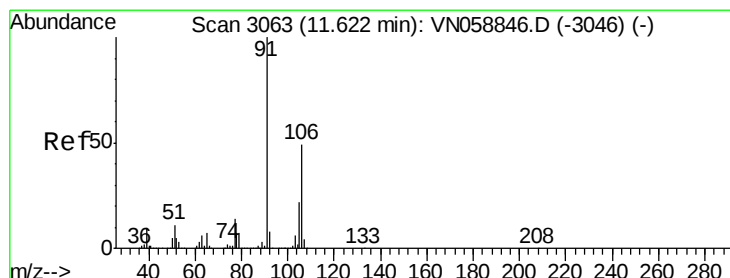
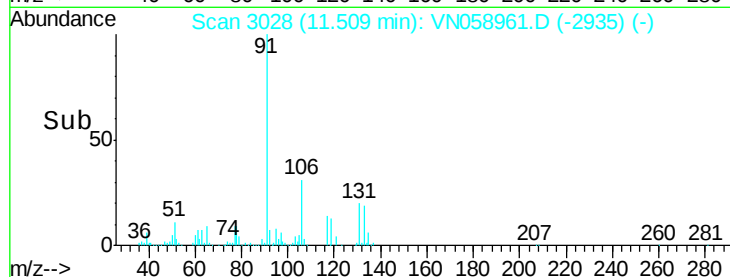
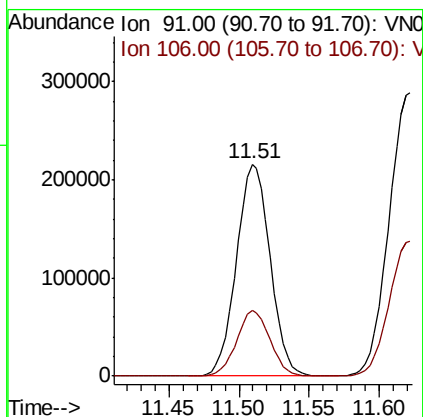
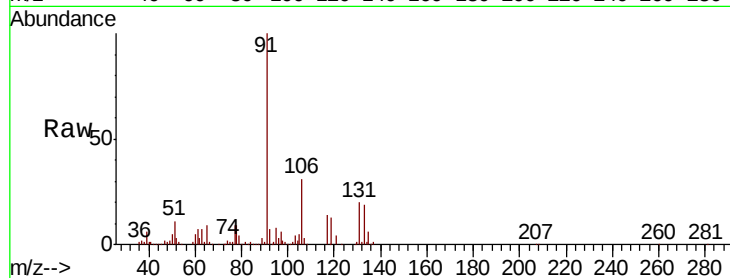
Ion Ratio Lower Upper

91 100

106 30.8 23.4 35.0

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#68

m/p-Xylenes

Concen: 40.091 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058961.D

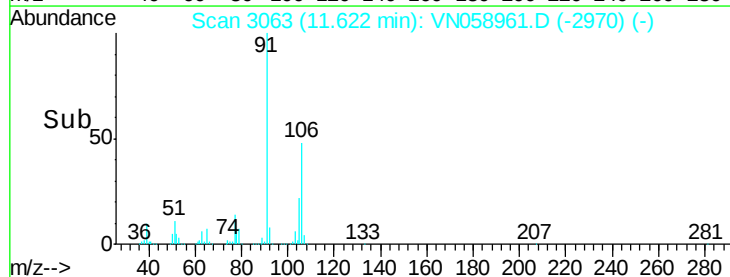
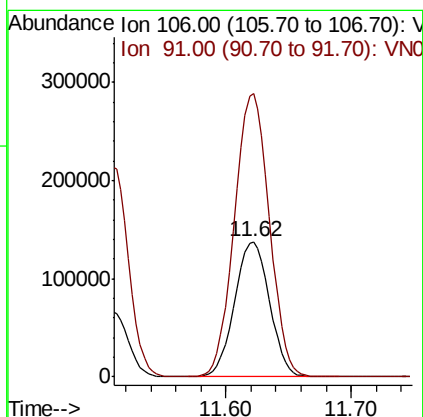
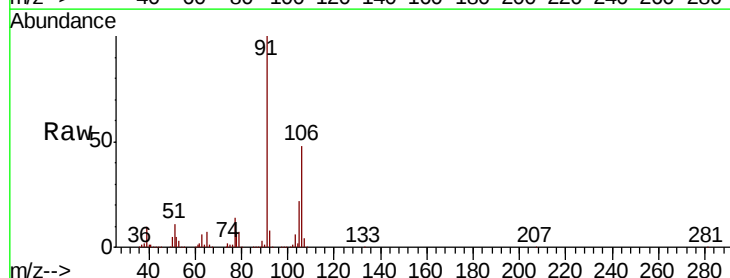
Acq: 24 Oct 2019 15:12

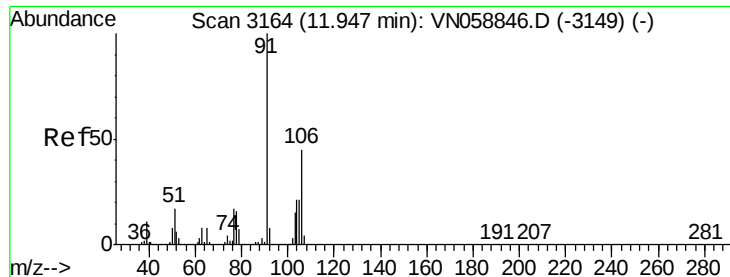
Tgt Ion: 106 Resp: 266546

Ion Ratio Lower Upper

106 100

91 209.2 166.6 249.8





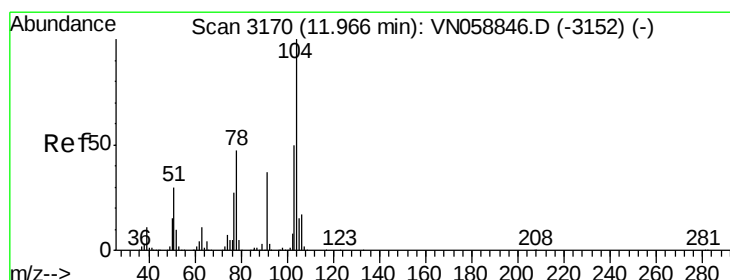
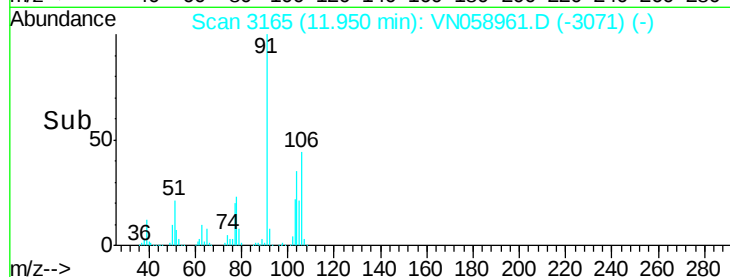
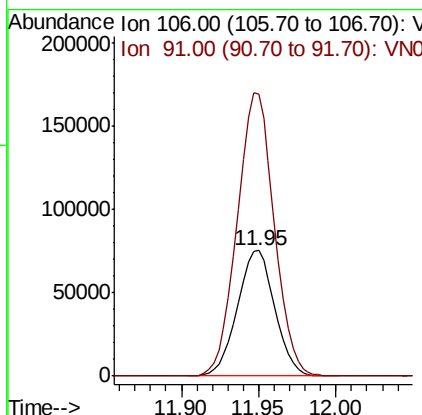
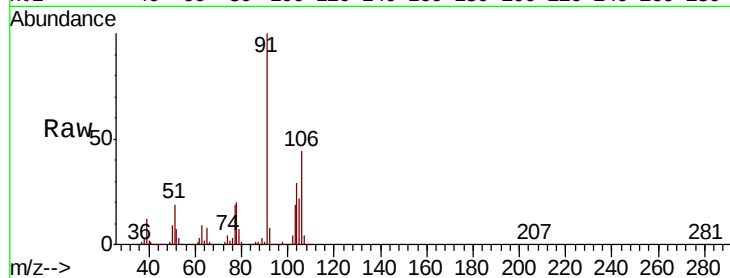
#69
o-Xylene
Concen: 19.947 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	111.5	334.4

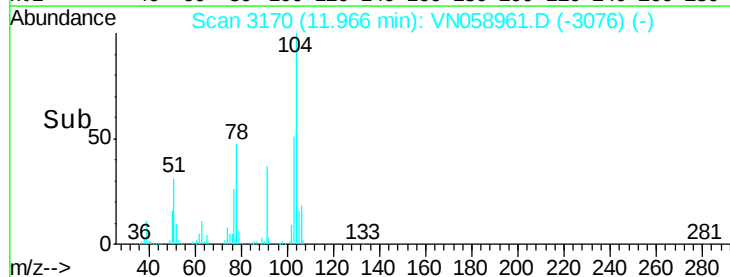
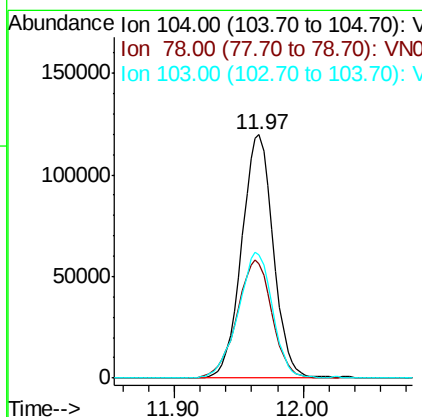
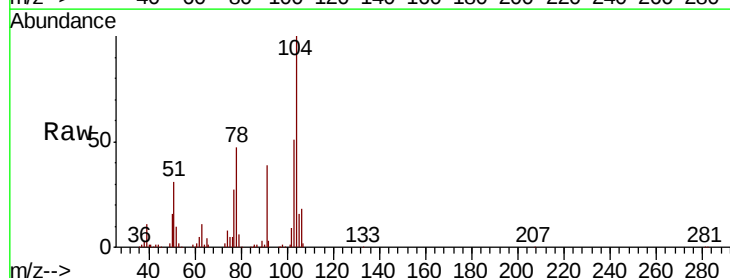
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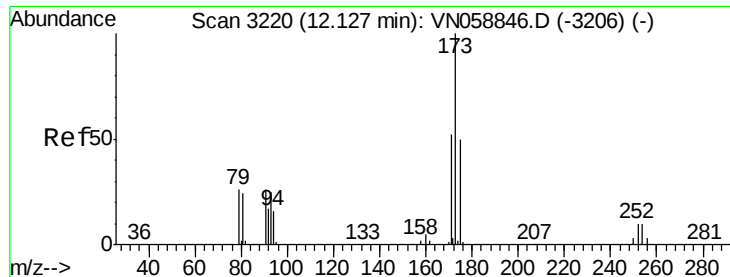
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#70
Styrene
Concen: 18.599 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.8	64.2
103	56.1	44.3	66.5





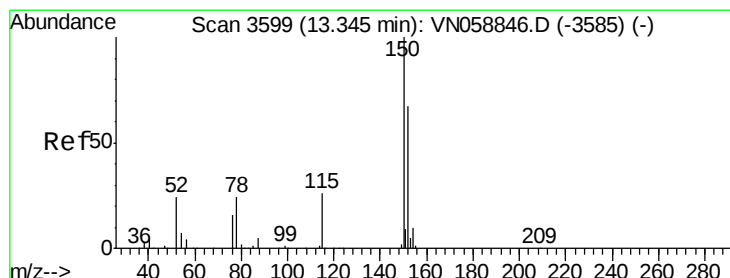
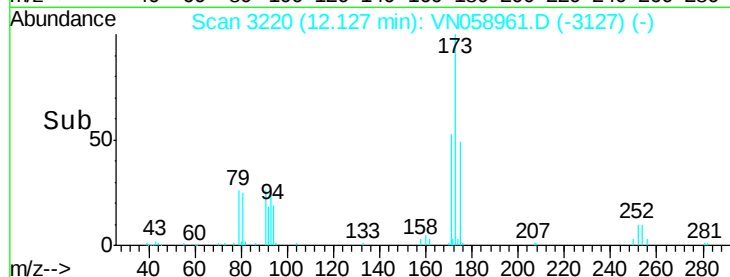
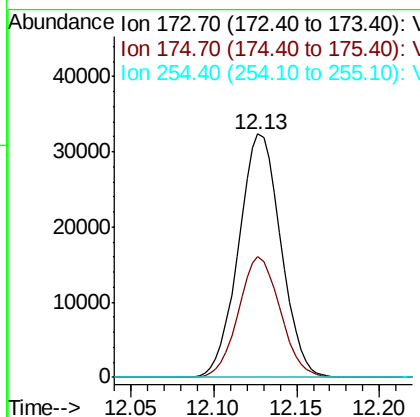
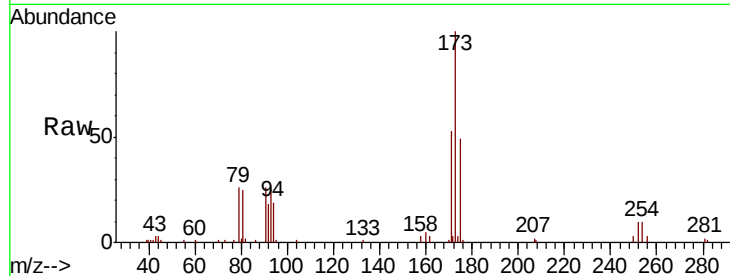
#71
Bromoform
Concen: 19.173 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.0	0.0	0.0

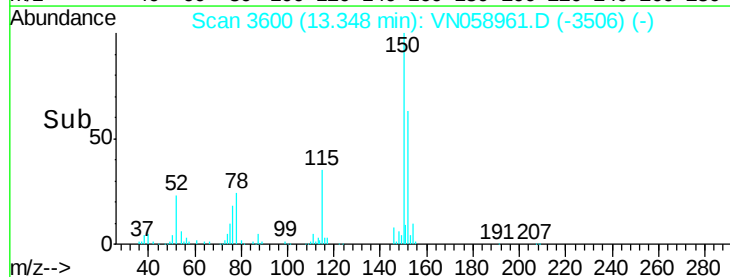
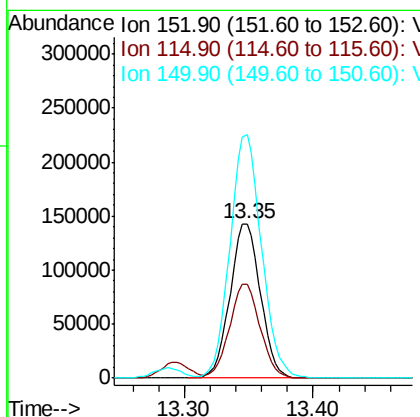
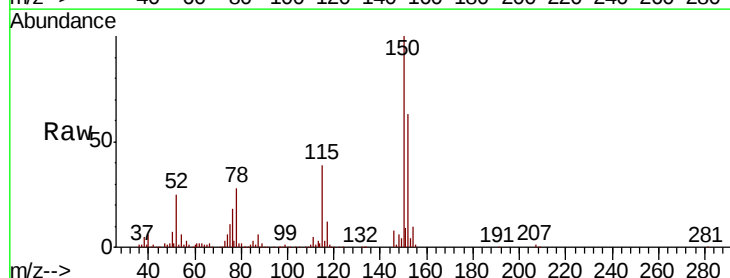
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.5	91.5
150	163.8	0.0	344.4





#73

Isopropylbenzene

Concen: 20.359 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 105 Resp: 347843

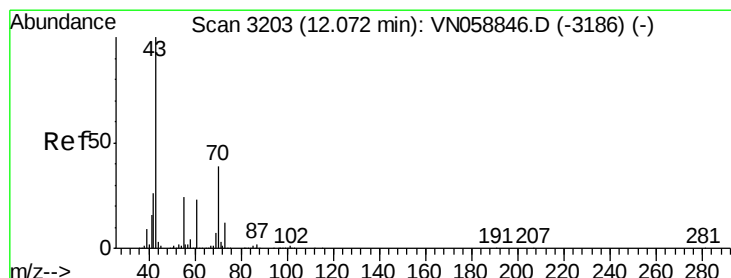
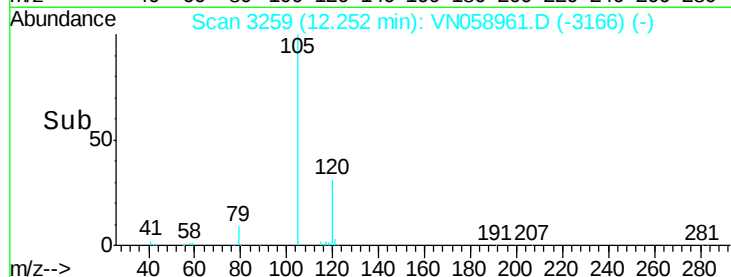
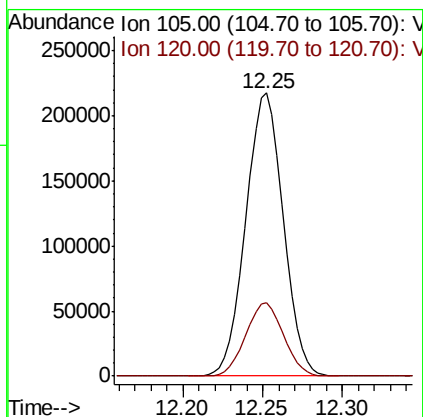
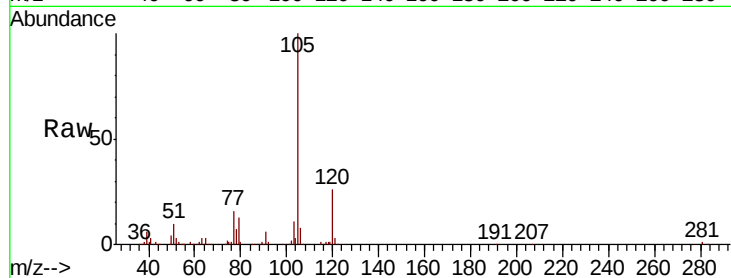
Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.739 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 43 Resp: 152892

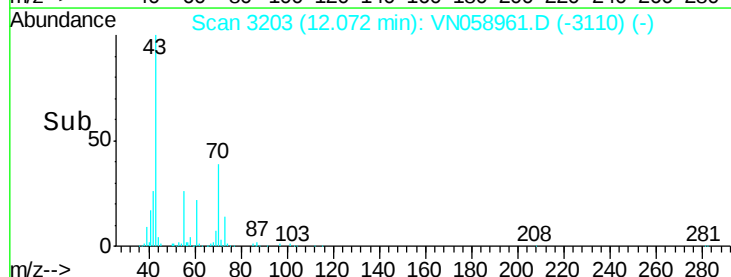
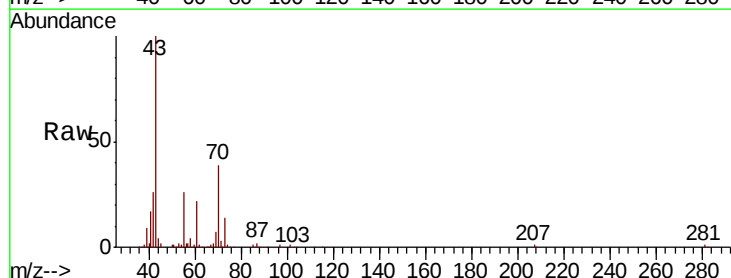
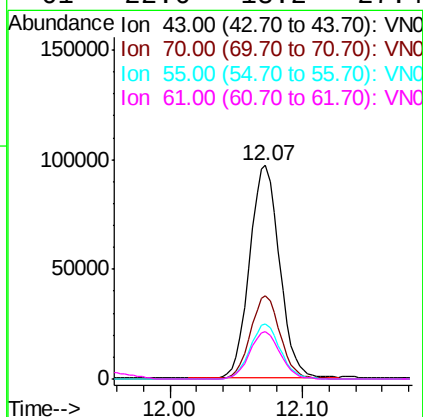
Ion Ratio Lower Upper

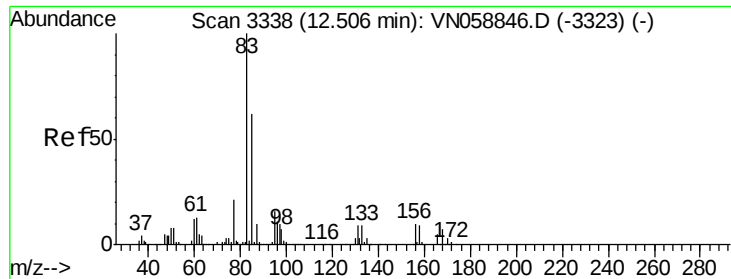
43 100

70 38.9 30.9 46.3

55 26.1 19.7 29.5

61 22.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 83 Resp: 122157
Ion Ratio Lower Upper

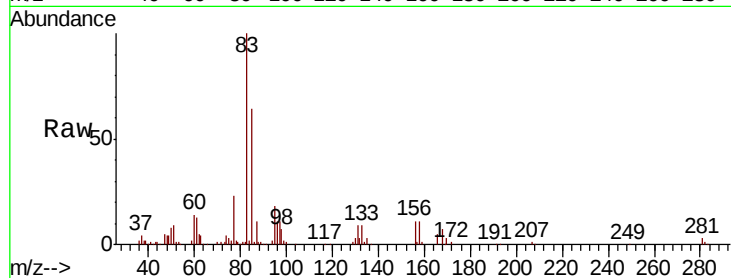
83 100

131 9.5 4.7 14.1

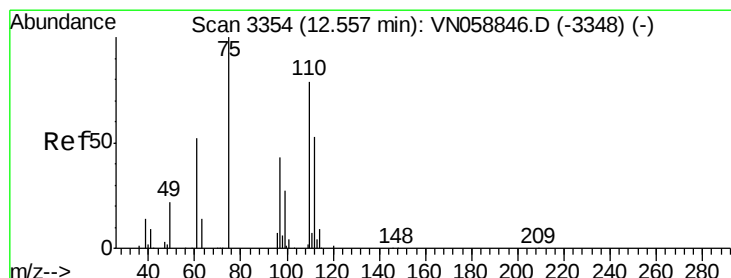
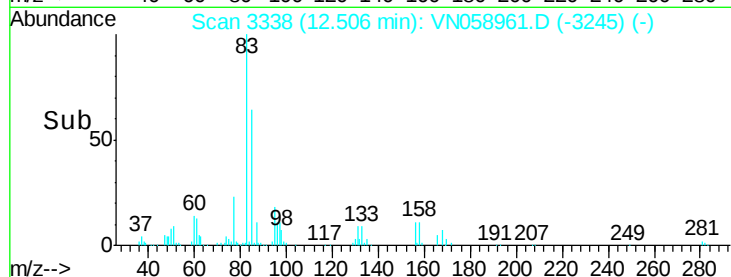
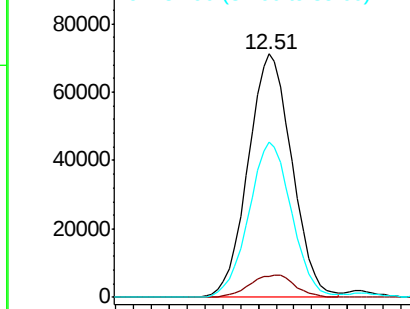
85 62.3 31.7 95.1

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.400 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

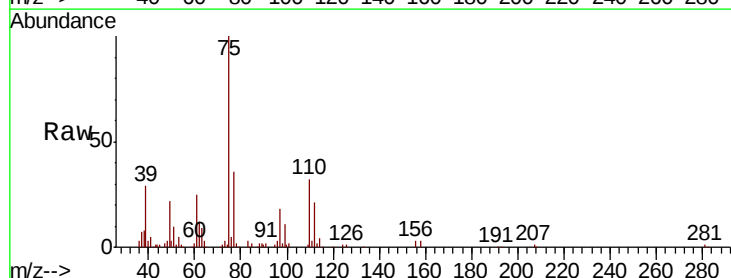
Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

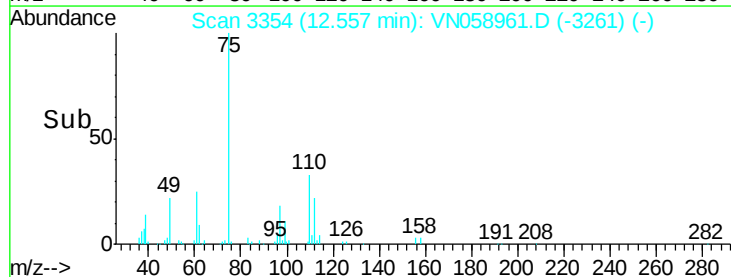
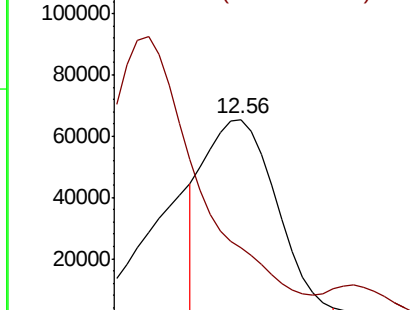
Tgt Ion: 75 Resp: 105113
Ion Ratio Lower Upper

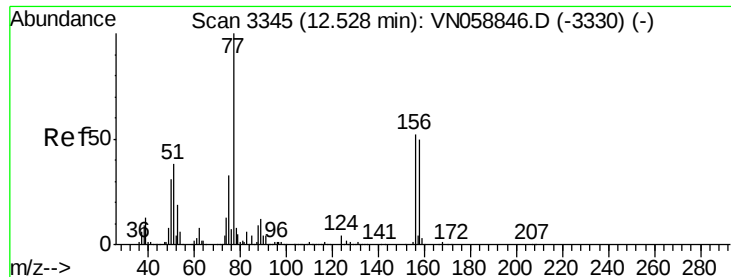
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.868 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion:156 Resp: 83668

Ion Ratio Lower Upper

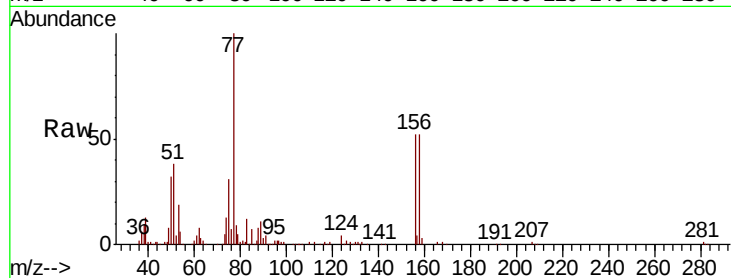
156 100

77 235.2 118.0 354.0

158 98.5 48.3 144.8

Manual Integrations
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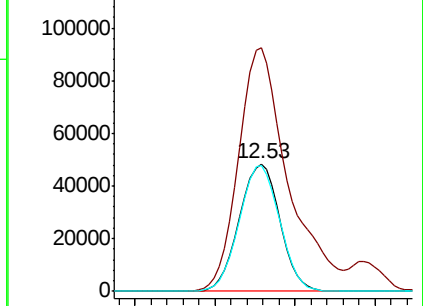
MMDadoda
10/26/2019 1:16:08 AM



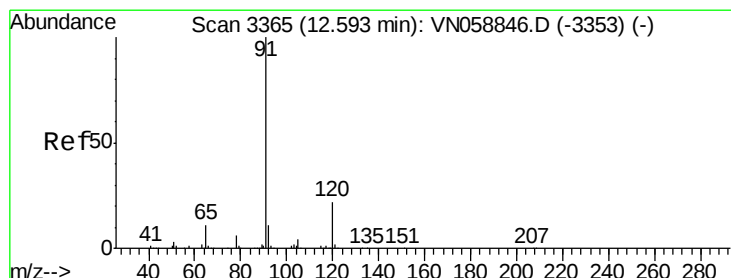
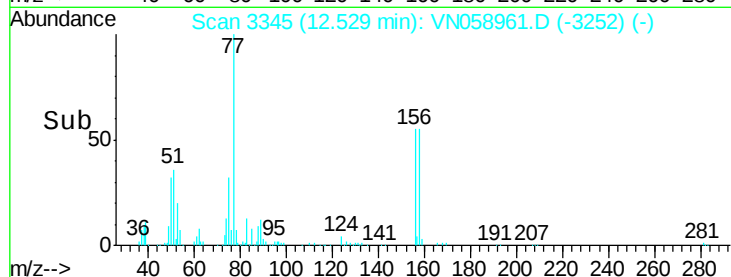
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.293 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058961.D

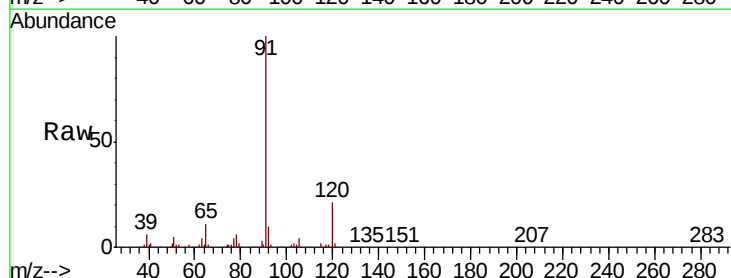
Acq: 24 Oct 2019 15:12

Tgt Ion: 91 Resp: 409827

Ion Ratio Lower Upper

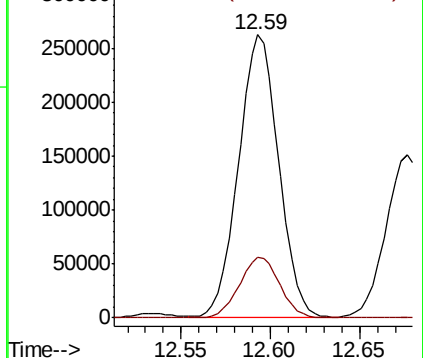
91 100

120 21.7 11.1 33.1

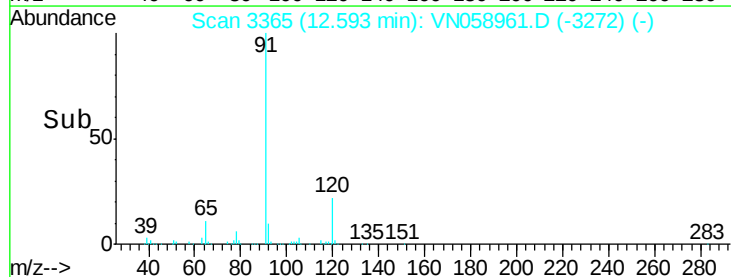


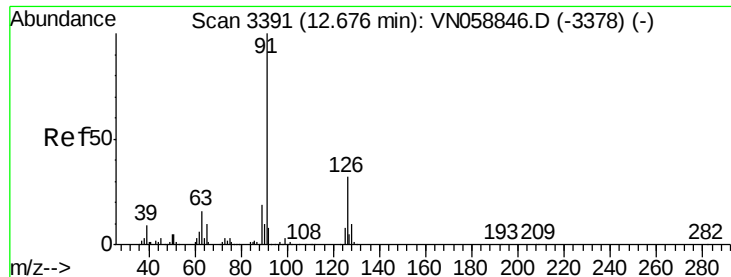
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





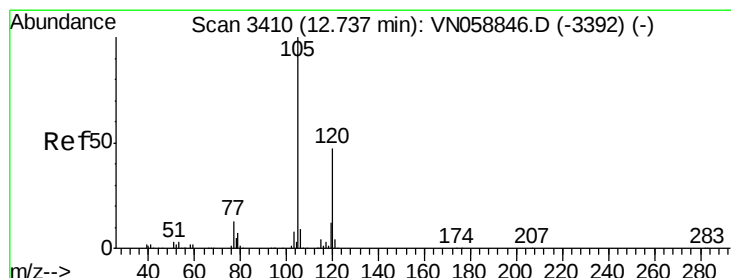
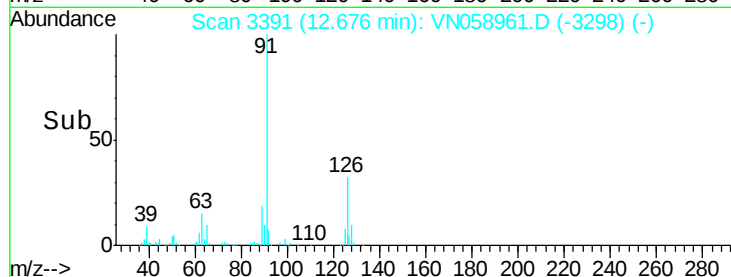
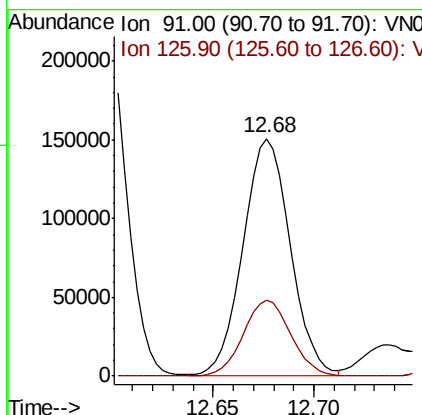
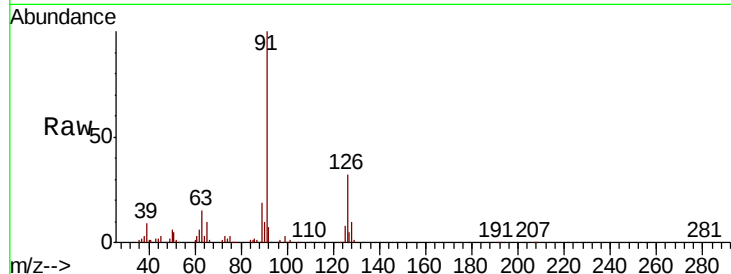
#79
 2-Chlorotoluene
 Concen: 19.910 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion: 91 Resp: 246102
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.6

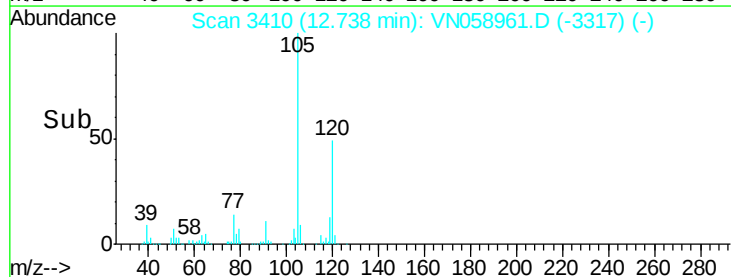
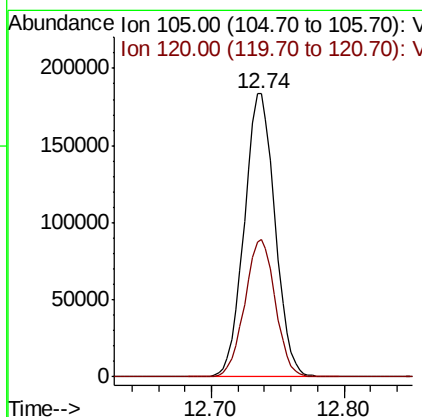
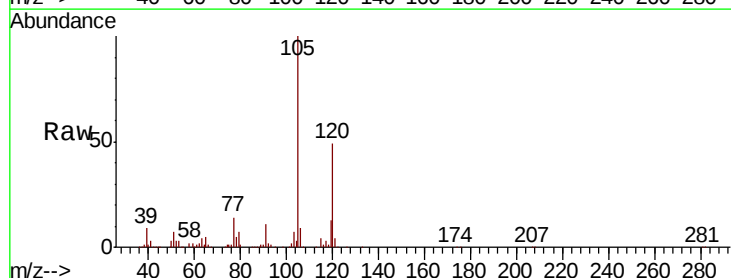
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.476 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 105 Resp: 293930
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.5





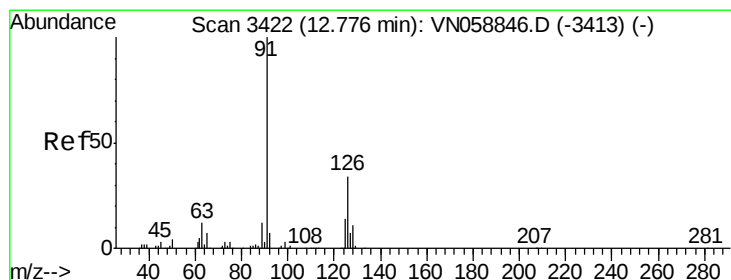
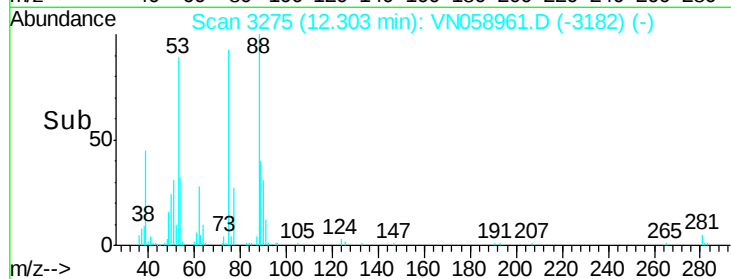
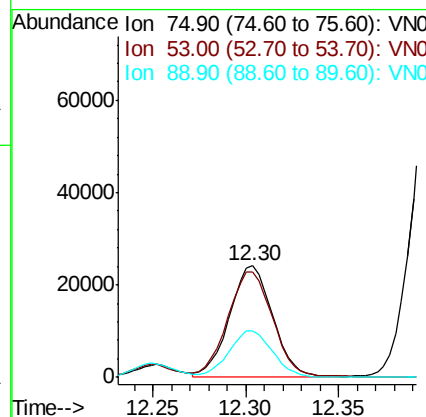
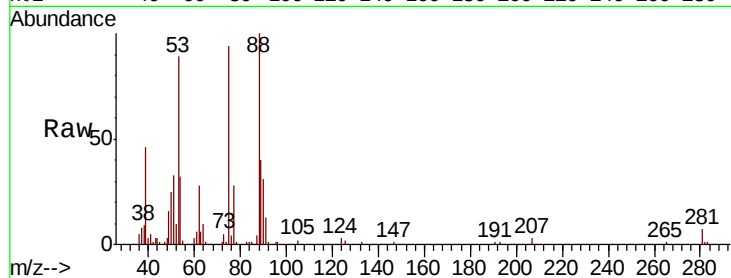
#81
trans-1,4-Dichloro-2-butene
Concen: 18.657 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	78.6	118.0
89	42.9	35.4	53.0

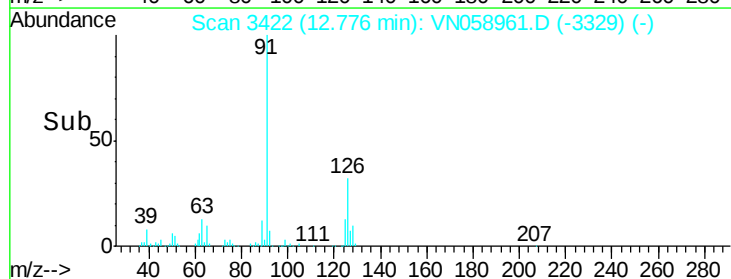
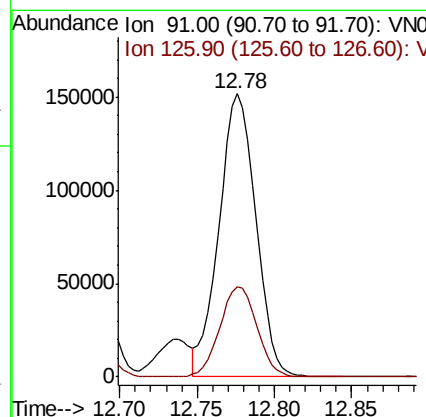
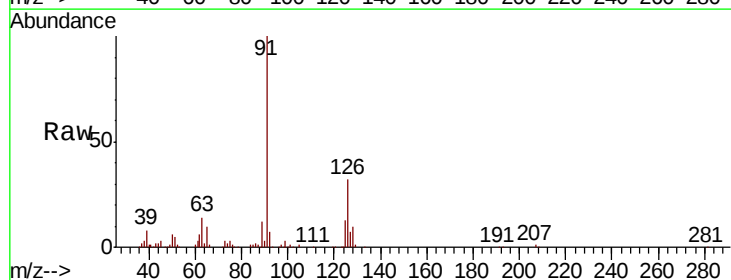
Manual Integrations
APPROVED

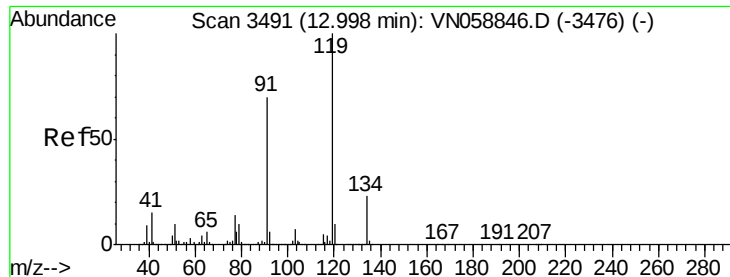
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#82
4-Chlorotoluene
Concen: 19.798 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9





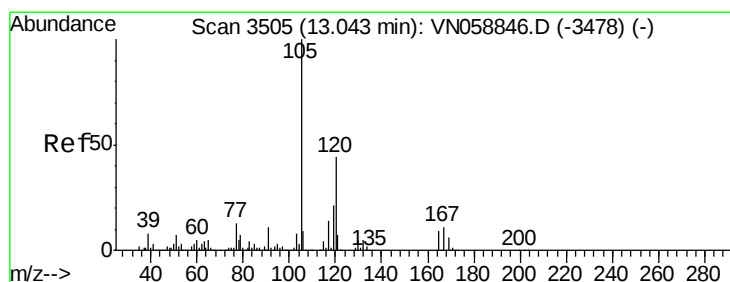
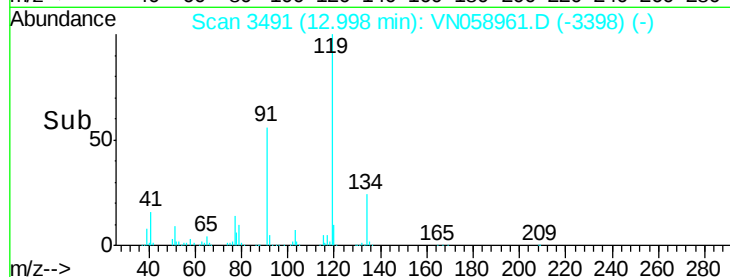
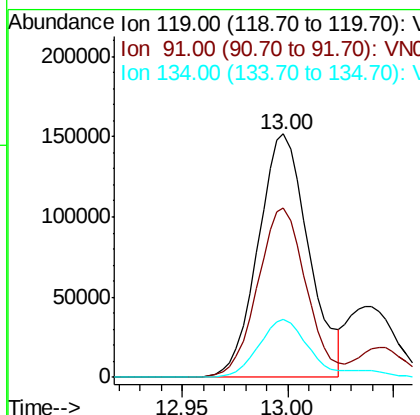
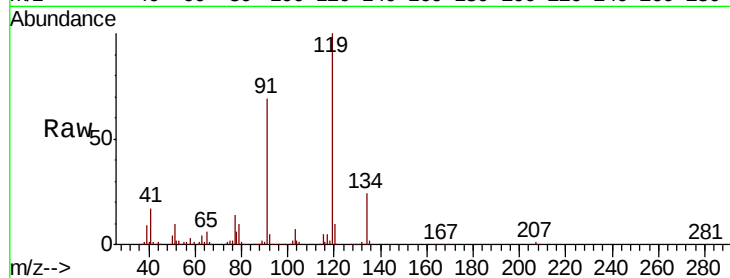
#83
 tert-Butylbenzene
 Concen: 20.635 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	23.2	11.6	34.8

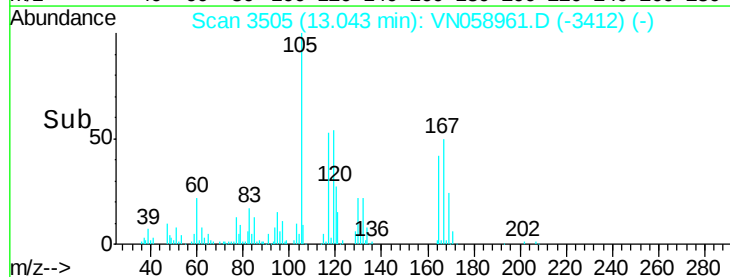
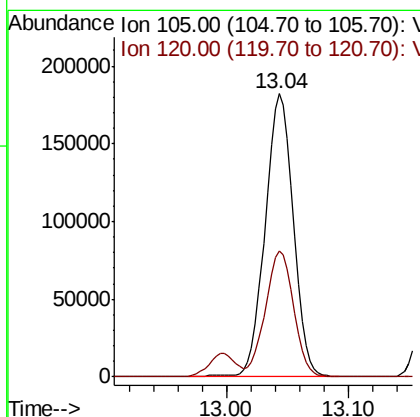
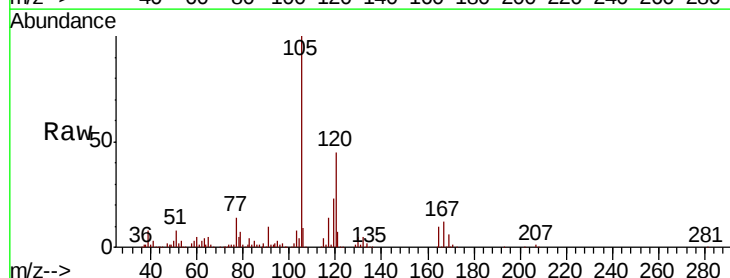
Manual Integrations
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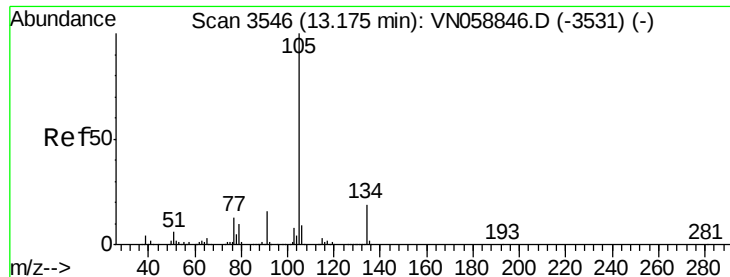
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.785 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.8





#85

sec-Butylbenzene

Concen: 20.288 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion:105 Resp: 332031

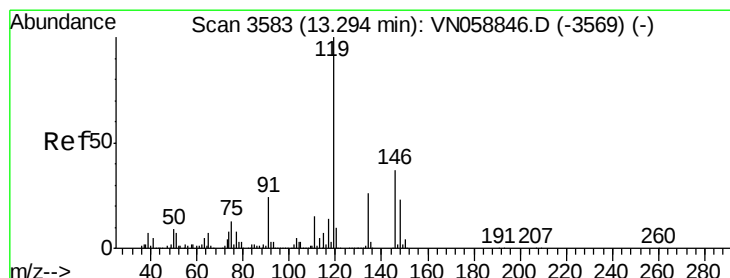
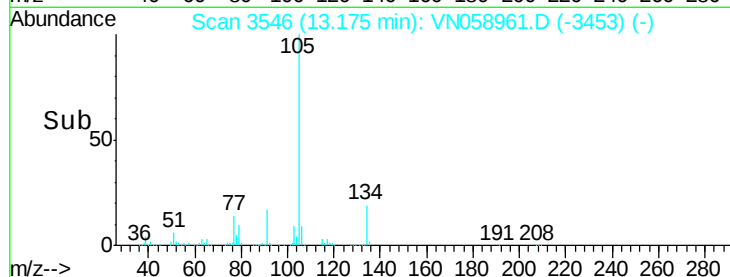
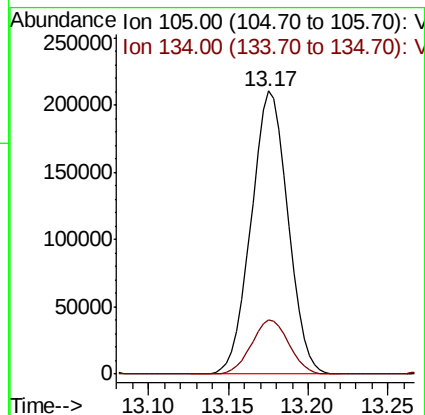
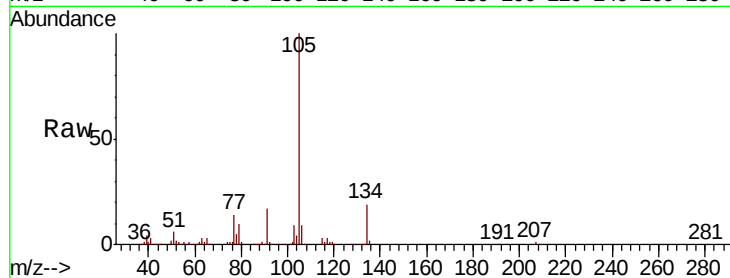
Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.357 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

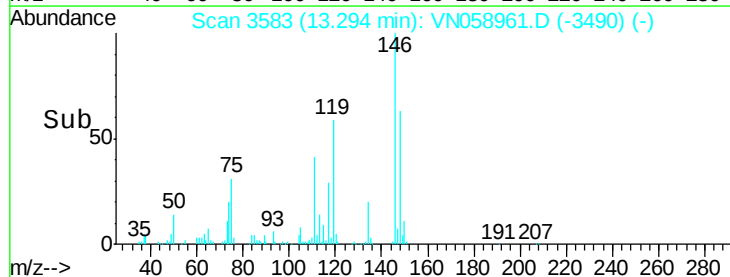
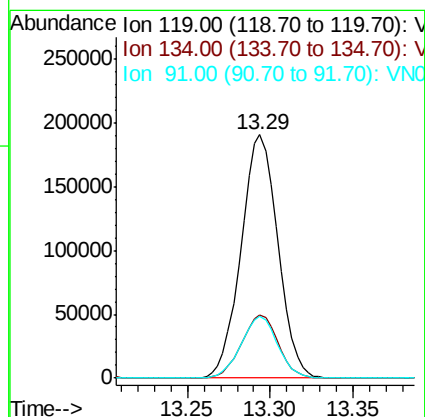
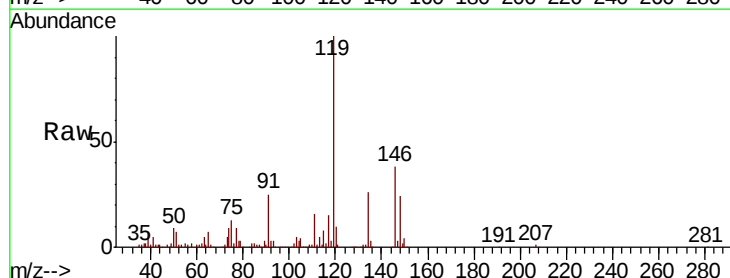
Tgt Ion:119 Resp: 293970

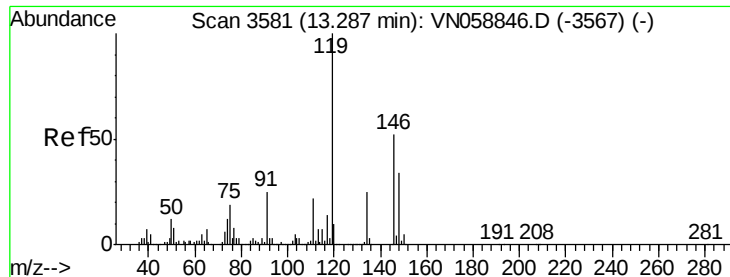
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 25.2 12.2 36.4





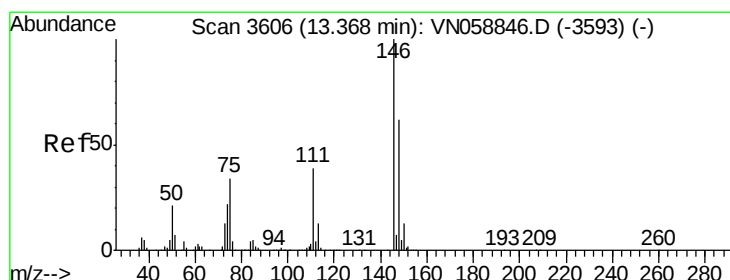
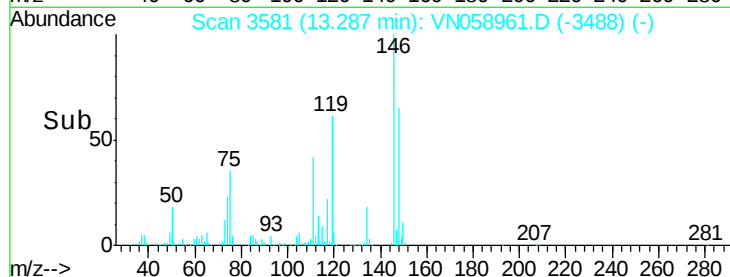
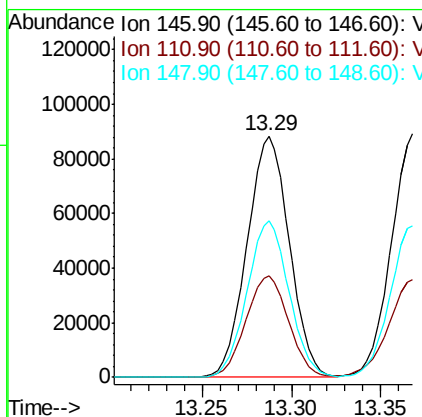
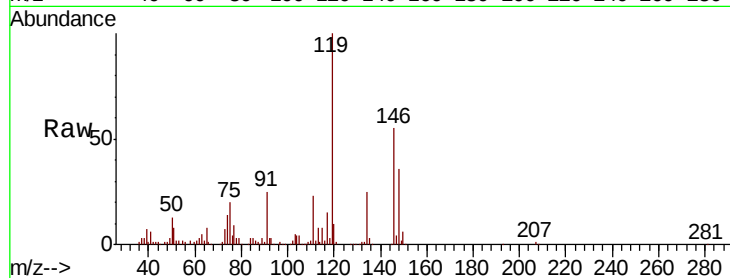
#87
 1,3-Dichlorobenzene
 Concen: 19.464 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.0	63.0
148	64.3	32.1	96.3

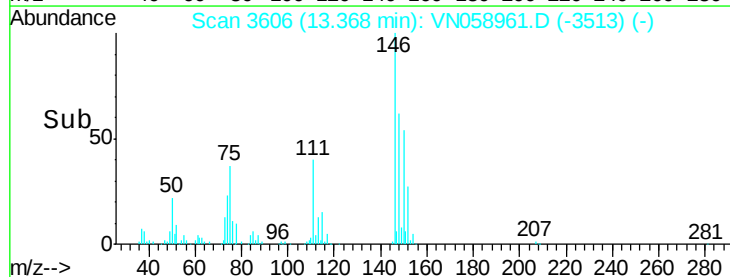
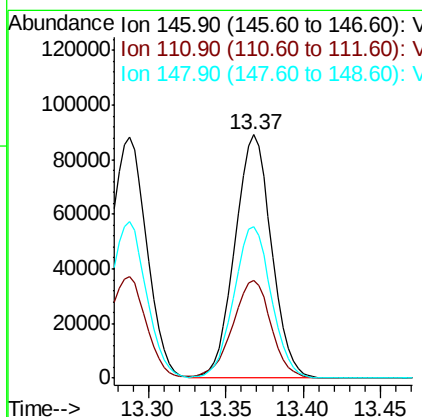
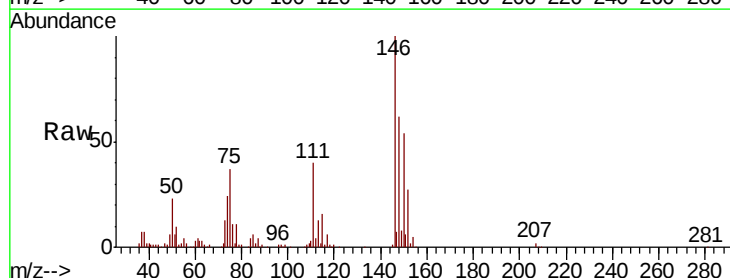
Manual Integrations
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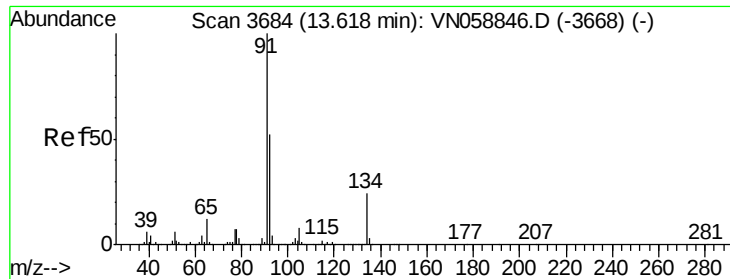
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#88
 1,4-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.2	60.6
148	63.5	31.6	94.7





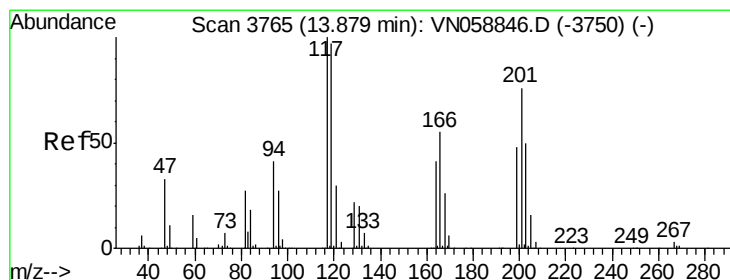
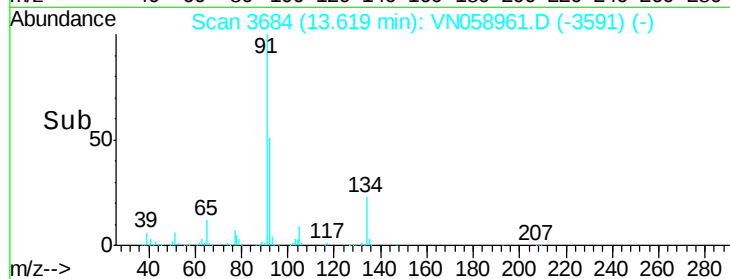
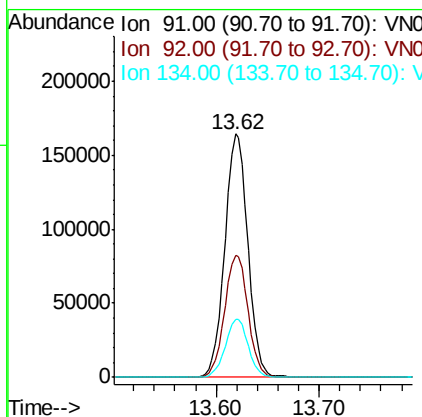
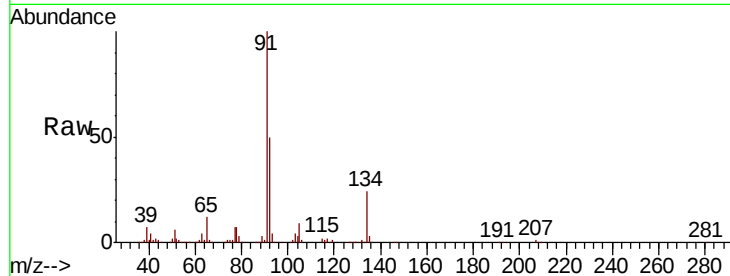
#89
n-Butylbenzene
Concen: 19.293 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.1
134	23.8	11.9	35.5

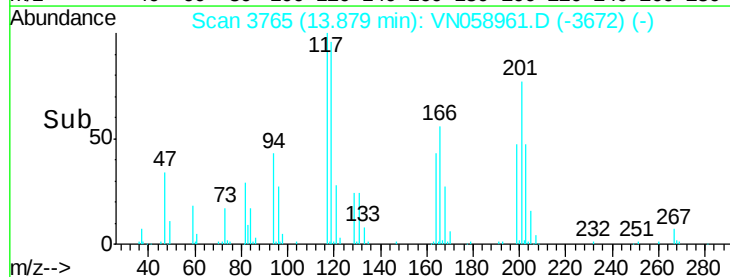
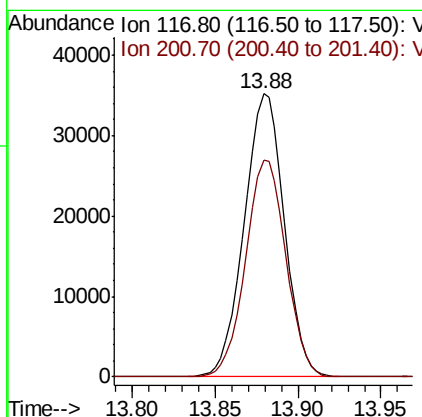
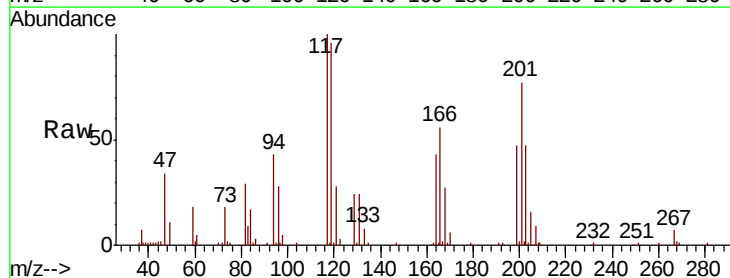
Manual Integrations
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#90
Hexachloroethane
Concen: 20.155 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	38.9	116.6





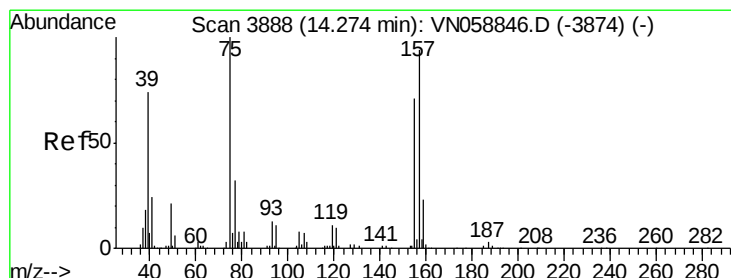
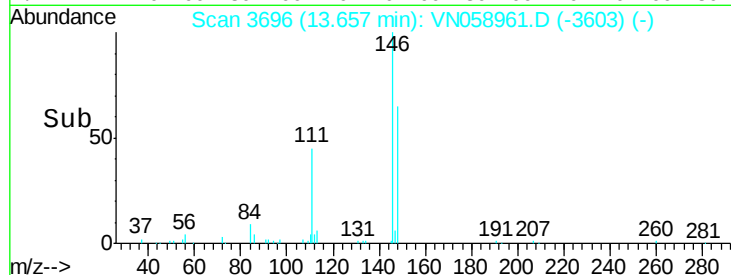
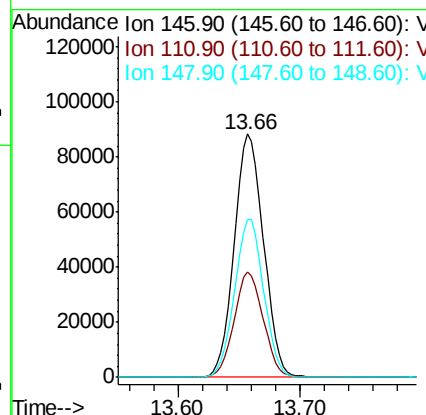
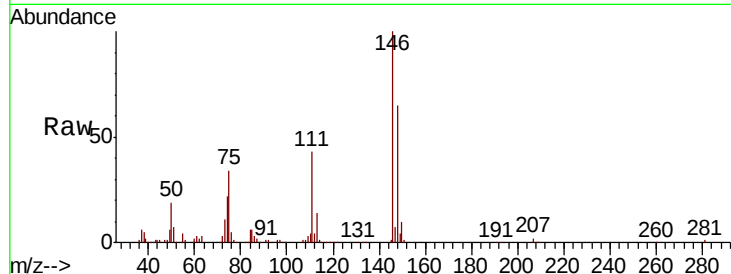
#91
 1,2-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	64.2	31.9	95.9

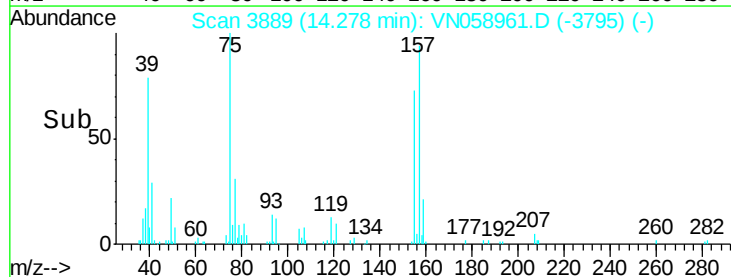
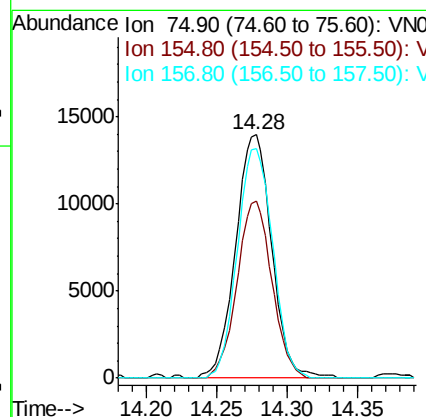
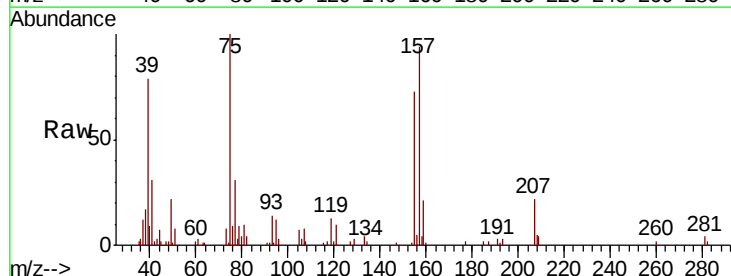
Manual Integrations
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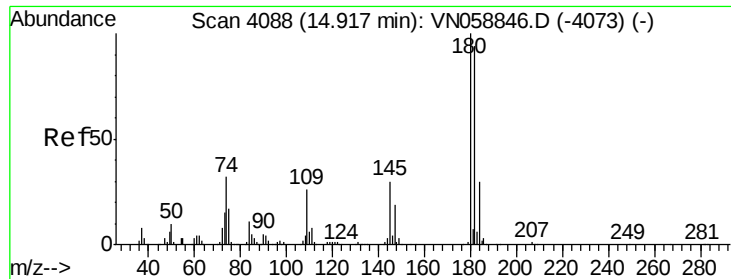
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.457 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	35.6	106.8
157	92.3	47.4	142.2





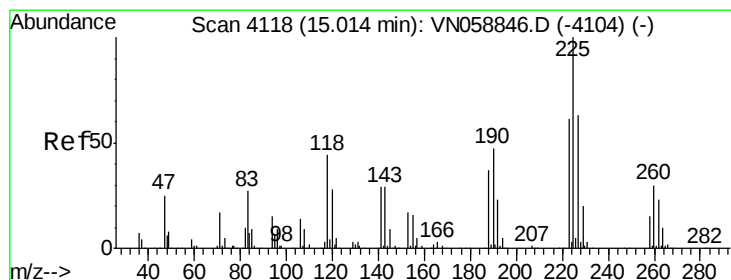
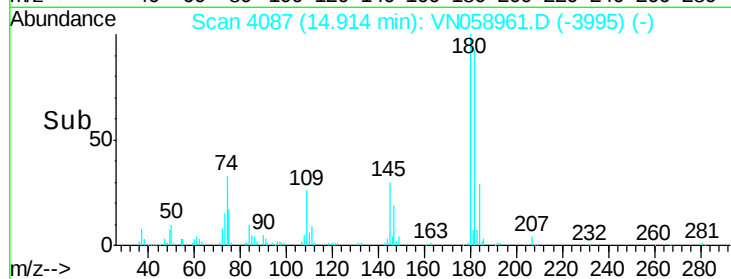
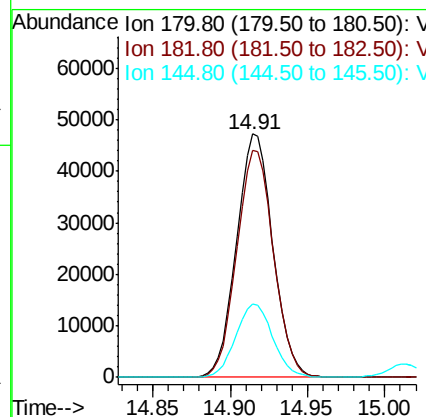
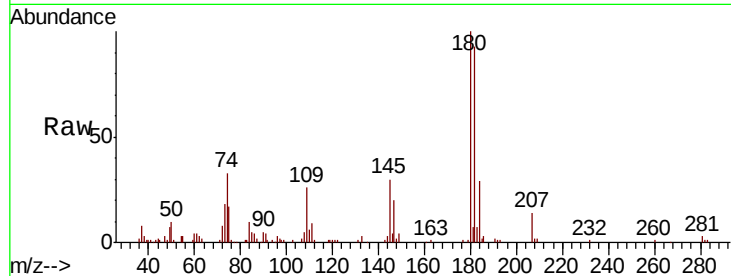
#93
 1,2,4-Trichlorobenzene
 Concen: 18.200 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	142.0
145	30.8	15.3	45.8

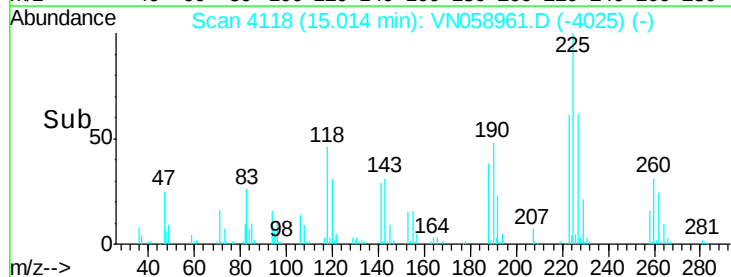
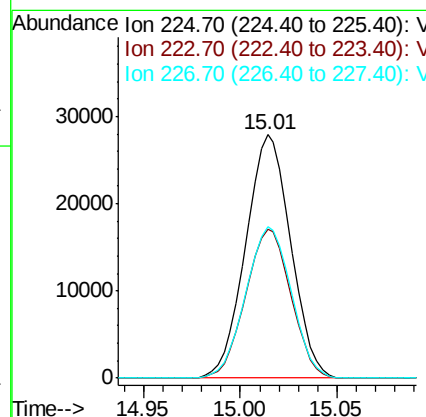
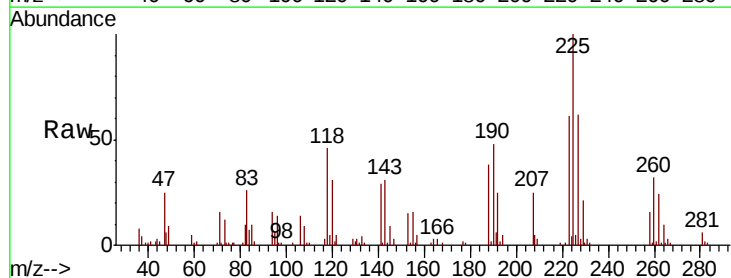
Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 1:16:08 AM



#94
 Hexachlorobutadiene
 Concen: 18.832 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.5
227	62.9	31.6	94.7





#95

Naphthalene

Concen: 17.038 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

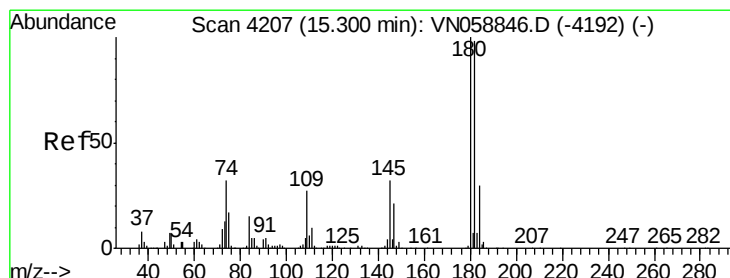
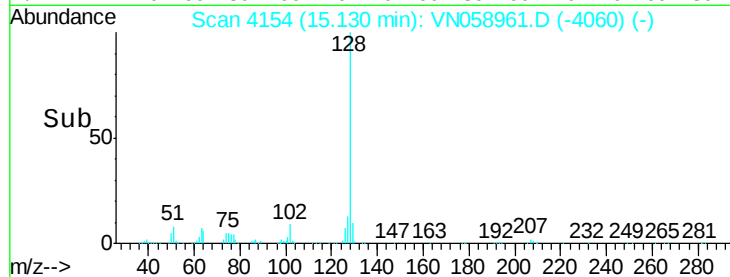
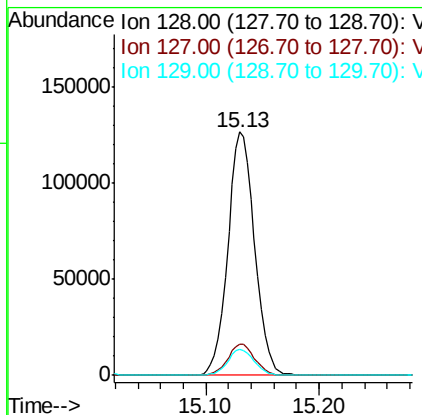
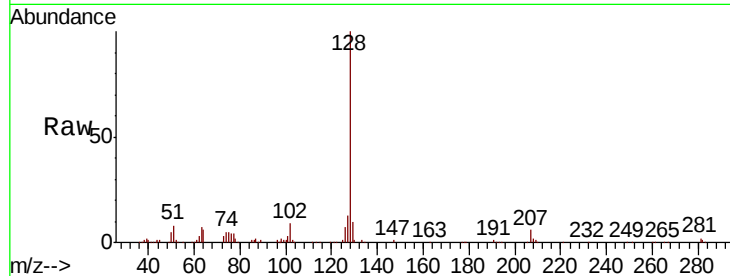
ClientSampleId :

VN1025WBSD02

Tot Ion:	128	Resp:	207597
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/26/2019 1:16:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.474 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion:	180	Resp:	76601
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.7
145	32.9	15.9	47.7

